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ADDENDUM NO. 01
December 11, 2025

To Drawings and Specifications dated December 05, 2025.

PKG 3B – GPHS ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY

Prepared by: PBK
11 Greenway Plaza, 22nd Floor
Houston, TX 77046-1104
PBK Project No: 240539

Notice to Bidders

A. Receipt of this Addendum shall be acknowledged on the Bid Form.
B. This Addendum forms part of the Contract documents for the above referenced project and shall be incorporated integrally therewith.
C. Each bidder shall make necessary adjustments and submit his proposal with full knowledge of all modifications, clarifications, and supplemental data included therein. Where provisions of the following supplemental data differ from those of the original Contract Documents, this Addendum shall govern.

GENERAL

Item No. 01 **Pre-proposal Conference Sign in Sheet –** Refer to Attachment
Item No. 02 **Pre-proposal Agenda** – Refer to Attachment
Item No. 03 **Pre-proposal Questions**

Question 01: Can you please provide date and time for question deadline
i. Response: 11:59 PM Dec 27

Question 02: What is the due date for question responses due?
i. Response: Question response due 5PM Jan 8

Question 03: GC are interested on a site visit
i. Response: GPISD will we need to coordinate but Dec 19 afternoon looks good

Question 04: Questions were asked about laydown area for stee
i. Response: Parking across can be considered

Question 05: When is the start date for athletics complex
i. Response: For start dates of athletics complex – please review special conditions line item 6 & 7.

Question 06: Please provide more information on Modular central package
i. Response: Modular central package is a separate package – coordination, concrete and other specified to be part of this package – see the specification

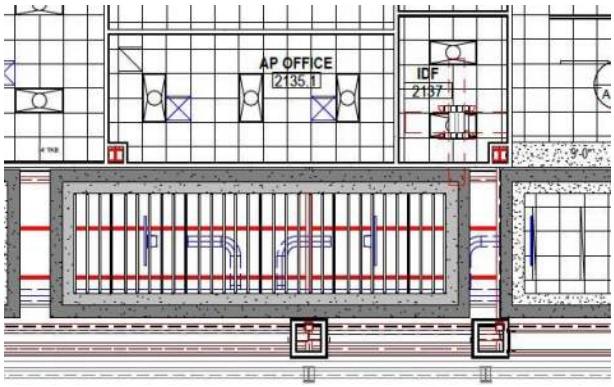
Question 07: The finish schedule on A-900 indicates ARC1 panels are on an accent wall at reception. There is no reception room on the plans and no indication of where ARC1 panels would be location. Can you clarify where the ARC1 panels are located?

i. Response: Confirmation, to be deleted off. Those are to go into Phase 4. Finish Schedule has been updated for ADD 1.

Question 08: The finish schedule on A-900 indicates ARC11, ARC12 & ARC13 are on the ceiling in the Library. There is no Library (or Media Center) indicated on the plans. Nor is there any indication of hexagon ceiling clouds on the RCP's. Please provide intended location of these ceiling clouds.

i. Response: Confirmation, to be deleted off. Those are to go into Phase 4. Finish Schedule has been updated for ADD 1.

Question 09: Are the baffles at the bottom of A-202D & A-202F intended to be ARC8, ARC9 & ARC10?



i. Response: Yes that is correct, will indicate with keynotes. Indicated on Sheet A-204. Updated on ADD 1.

Question 10: Will the Pre-Proposal Meeting sign in sheet be posted after the meeting?

i. Response: Issued in ADD 01.

Question 11: What is the jurisdiction this project is located in?

i. Response: City of Galena Park

Question 12: As discussed during the pre-bid, please confirm the question cut-off time to be Saturday 12/27/25 @ 11:59:59pm.

i. Response: Correct, deadline for questions expiration time has been added.

Question 13: Confirm Substantial date and Final Completion Date are July 15, 2027 and July 14, 2028

i. Response: Correct. Final completion includes the warranty period.

Question 14: Are both January 12th and 13th in person physical turn-ins or is 13th online?

i. Response: Refer to Volume 01 – instruction to bidders. Proposals are to be hand delivered or certified mailed, no online submissions are accepted.

Question 15: The deadline for questions/RFI's is December 27th a Saturday; two days after Christmas. Please confirm if this is the correct date.

i. Response: Correct.

Question 16: Please confirm the base bid date is on Monday January 12, and the alternate submission date is Tuesday, January 13.

i. Response: Correct. Refer to Volume 01 – instruction to bidders.

SPECIFICATIONS

Item No. 1 11 66 23

A. Added Porter www.gillporter.com/porter as the approved manufacturer for Gymnasium Equipment.

DRAWINGS

STRUCTURAL

Item No. 01 S-101A: Foundation Plan - Area A
- A. Adjusted column sizes as shown on the plan
- B. Adjusted plinth as shown on the plan

Item No. 02 S-101B: Foundation Plan - Area B
- A. Adjusted column sizes as shown on the plan
- B. Adjusted footing sizes as shown on the plan

Item No. 03 S-101C: Foundation Plan - Area C
- A. Adjusted pier sizes as shown on the plan

Item No. 04 S-101D: Foundation Plan - Area D
- A. Adjusted pier sizes as shown on the plan

Item No. 05 S-101E: Foundation Plan - Area E
- A. Adjusted pier sizes as shown on the plan

Item No. 06 S-101F: Foundation Plan - Area F
- A. Adjusted pier sizes as shown on the plan
- B. Adjusted column sizes and respective baseplate as shown on the plan

Item No. 07 S-102A: Second Floor Framing Plan - Area A
- A. Modified tube steel elevations as shown on the plan
- B. Annotated EJ as shown on the plan
- C. Added GC Note for miscellaneous tube steel

Item No. 08 S-102B: Second Floor Framing Plan - Area B
- A. Annotated EJ as shown on the plan
- B. Annotated EJ as shown on the plan
- C. Added GC Note for miscellaneous tube steel

Item No. 09 S-102C: Second Floor Framing Plan - Area C
- A. Modified tube steel elevations as shown on the plan
- B. Added GC Note for miscellaneous tube steel

Item No. 10 S-102D: Second Floor Framing Plan - Area D
- A. Modified tube steel elevations as shown on the plan
- B. Added GC Note for miscellaneous tube steel

Item No. 11 S-102E: Second Floor Framing Plan - Area E
- A. Modified tube steel elevations as shown on the plan
- B. Added GC Note for miscellaneous tube steel

Item No. 12 S-102F: Second Floor Framing Plan - Area F
- A. Added GC Note for miscellaneous tube steel

Item No. 13 S-103A: Third Floor Low Roof Framing Plan - Area A
- A. Added GC Note for miscellaneous tube steel
- B. Annotated EJ as shown on the plan

Item No. 14 S-103B: Third Floor Framing Plan - Area B
- A. Added GC Note for miscellaneous tube steel
- B. Modified tube steel elevations as shown on the plan
- C. Annotated EJ as shown on the plan
- D. Annotated EJ as shown on the plan
- E. Modified framing as shown on the plan

Item No. 15 S-103C: Third Floor Framing Plan - Area C
- A. Added GC Note for miscellaneous tube steel
- B. Modified tube steel elevations as shown on the plan

Item No. 16 S-103D: Third Floor and Low Roof Framing Plan - Area D
- A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 17 S-103E: Third Floor Framing Plan - Area E

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 18 S-103F: Third Floor and Low Roof Framing Plan - Area F

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 19 S-104A: Gym Low Roof Framing Plan - Area A

A. Annotated EJ as shown on the plan

Item No. 20 S-104C: Gym Low Roof Framing Plan - Area C

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 21 S-104D: Classroom Low Roof and Floor Framing Plan - Area D

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 22 S-104E: Classroom Low Roof Framing Plan - Area E

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 23 S-104F: Classroom Low Roof and Floor Framing Plan - Area F

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 24 S-104M: Misc Framing Plans

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 25 S-105G: Classroom High Roof Framing Plan - Area G

A. Added GC Note for miscellaneous tube steel

B. Modified tube steel elevations as shown on the plan

Item No. 26 S-303: General Foundation Notes and Typical Details

A. Modified detail 3/S-303

Item No. 27 S-303SF: General Foundation Notes and Typical Details

A. Modified detail 1/S-303SF

Item No. 28 S-500: General Steel Notes and Typical Details

A. Modified baseplate schedule

Item No. 29 S-524: Roof Framing Details

A. Modified detail 7/S-524

Item No. 30 S-526: Roof Framing Details

A. Modified detail 3/S-526

B. Modified detail 4/S-526

C. Modified detail 6/S-526

Item No. 31 S-532: Building Sections

A. Modified detail 2/S-532

B. Modified detail 3/S-532

Item No. 32 S-533: Building Elevation

A. Modified tube steel elevations as shown in the elevation

Item No. 33 S-600: Typical Wind Bracing Elevations - Area A

A. Bracing orientation flipped in 5/S-600

B. Bracing orientation flipped in 6/S-600

Item No. 34 S-604: Typical Wind Bracing Elevations - Area D

A. Bracing changed from diagonal to chevron in 6/S-604

Item No. 35 S-606: Typical Wind Bracing Elevations - Area F

A. Bracing changed from diagonal to chevron in 7/S-606

ARCHITECTURAL

Item No. 01 AS-111– Area B Floor Plan

A. Added annotations for gates.

Item No. 02 A-101B Level 1 – Area B Floor Plan

A. Relocated door #1545 to be accessed through the corridor.

Item No. 03 A-101E Level 1 – Area E Floor Plan

A. Moved the wall south to avoid conflict with the window/wall

Item No. 04 A-101F Level 1 – Area F Floor Plan

A. Detail 01: Added door # C1100 on Main Street.

Item No. 05 A-204 – Enlarged Ceiling Plan

A. Added sheet in its entirety

Item No. 06 A-401 Enlarged Floor Plans

A. Added General Notes, keynotes and dimensions

Item No. 07 A-402 Enlarged Floor Plans

A. Added General Notes and dimensions

Item No. 08 A-403 Enlarged Floor Plans

A. Added General Notes, keynotes and dimensions

Item No. 09 A-404 Enlarged Floor Plans

A. Added General Notes and dimensions

Item No. 10 A-405 Enlarged Floor Plans

A. Added General Notes and keynotes

Item No. 11 A-420 Enlarged Stair Plans and Sections

A. Detail 01: Revised dimensions
B. Detail 04: Added detail callouts
C. Detail 05: Revised dimensions

Item No. 12 A-421 Enlarged Stair Plans and Sections

A. Revised dimensions

Item No. 13 A-422 Enlarged Stair Plans and Sections

A. Revised dimensions

Item No. 14 A-423 Enlarged Stair Plans and Sections

A. Revised dimensions

Item No. 15 A-424 Enlarged Stair Plans and Sections

A. Revised dimensions

Item No. 16 A-425 Enlarged Stair Plans and Sections

A. Revised dimensions

Item No. 17 A-426 Enlarged Stair Plans and Sections

A. Revised dimensions

Item No. 18 A-427 Elevator Plans & Sections

A. Detail 01: Revised dimensions of the elevator shaft to match as specified.

Item No. 19 A-428 Stair Details

A. Detail 01/02/03/04: Changed epoxy terrazzo treads and aluminum risers to rubber

Item No. 20 A-501 Overall Exterior Elevations

A. Detail 05: Added downspouts along the east elevation of the MPF

Item No. 21 A-502 Exterior Elevations

A. Detail 01/02/03: Added downspouts along the east elevation of the MPF
B. Added glazing material legend

Item No. 22 A-503 Exterior Elevations

A. Detail 01: Aligned roof drains with top of roof.
B. Adjusted the clouded windows to align with the window above.
C. Added glazing material legend and keynoted the sunshade outrigger system

Item No. 23 A-504 Exterior Elevations

A. Added glazing material legend

Item No. 24 A-505 Exterior Elevations

A. Added glazing material legend

Item No. 25 A-511 Enlarged Exterior Elevations

A. Detail 04: Added keynotes and annotations
B. Detail 03: Added dimensions, keynotes and annotations. Made corrections to the brick coursing
C. Detail 02: Aligned stone joints and updated keynotes

Item No. 26 A-512 Enlarged Exterior Elevations

A. Detail 01: Added keynotes.

Item No. 27 A-701 Plan Details

A. Detail 08: Updated dimension from grid to wall.
B. Detail 11: Added missing detail components and added annotations
C. Detail 05: Added 'TYP' to Curtain wall notes, and added missing gyp sheathing
D. Detail 02 & 03: Added 'TYP' to Curtain wall notes
E. Detail 09: Updated detail components to match plan change

Item No. 28 A-702 Plan Details

A. Detail 05: Revised dimensions
B. Detail 02: Added a dimension

Item No. 29 A-703 Plan Details

A. Detail 02: Detail adjusted with the addition of door # C1100
B. Detail 08: Added masonry ties

Item No. 30 A-705 Plan Details

A. Detail 01/02: Update on the EJ details from Area F.

Item No. 31 A-723 Curtain Wall Details at Masonry Veneer

A. Revised a note

Item No. 32 A-727 Storefront Details at Masonry Veneer

A. Revised a note

Item No. 33 A-810 Door Schedule Level 01

A. Added door # C1100 on Main Street.
B. Added Card readers to Door #s:
- 1500A,1503, 1550,1545, C1508, C1508C, C1508D, 1100A, 1118, 1142, C1100.1, C1100.2
C. Added fire rating to door #s on the schedule to reflect the life safety plan:
<u>For Floor 1</u>:
2hr rating - FSD1, FSD2 ,1106, 1115, 1128, 1129, 1138, FSD5, FSD6, 1160, 1162, 1545

1hr rating - 1550A, 1550.1, 1536A

Item No. 34 A-811 Door Schedule Level 02 & 03

A. Added Card readers to Door #s:
<u>For Floor 2:</u> - 2510.2
<u>For Floor 3:</u> - 3146 & 3106
B. Added fire rating to door #s on the schedule to reflect the life safety plan:
2hr rating - 2103, 2104, FSD7, FSD8, 2125, 2158, 2159, FSD11, FSD12, 2137, FSD13, 2510.2

1hr rating - 2512.2, 2513A, 2513
<u>For Floor 3:</u>

2hr rating - FSD14, 3106, FSD15, 3123, FSD16, 3146, FSD17

Item No. 35 A-821 Window & Storefront Elevations
- A. Added glazing tags to SF-06 and SF-03, & SF-01

Item No. 36 A-841 Curtain Wall Elevations
- A. Updated the mullion for CW-04 & CW 13
- B. Added glazing tag for CW-9
- C. Updated the CW legend

Item No. 37 A-900 Finish Schedule
- A. Updated finish selection for,
  09 68 00.CP1, 09 84 00.ARC1, ARC11, ARC12 and ARC13.

Item No. 38 A-942 Interior Elevations
- A. Added Interior & Exterior materials legend

Item No. 39 A-943 Interior Elevations
- A. Added Interior & Exterior materials legend

Item No. 40 A-951 Casework Elevations
- A. Detail 01/02: Added backsplash in the prep rooms

Item No. 41 A-952 Casework Elevations
- A. Detail 01/02: Added backsplash in the prep rooms

Item No. 42 A-953 Casework Elevations
- A. Detail 01/02: Added backsplash in the prep rooms

Item No. 43 AG-101 Level 1 – Overall Graphics & Signage Plan
- A. Added sign types on the schedule and floor plan
- B. Added match lines and match line tags

Item No. 44 AG-102 Overall Graphics & Signage Plan
- A. Added sign types on the schedule and floor plan
- B. Added match lines and match line tags

Item No. 45 AG-103 Overall Graphics & Signage Plan
- A. Added sign types on the schedule and floor plan
- B. Added match lines and match line tags

MECHANICAL

Item No. 01. MD-101H - 1ST FLOOR MECHANICAL DEMO PLAN - AREA H - CTE
- A. Added keynote 3 for Relocated walk in cooler condenser
- B. Placed N.I.C filled region on PKG 3C central plant

Item No. 02. M-101A - 1ST FLOOR MECHANICAL PLAN - AREA A NEW GYM FLOOR PLAN
- A. Added AHU-A2-01 thermostat in Lobby.
- B. Added AHU-A2-02 and AHU-A2-03 Thermostat for Competition Gym.
- C. Added keynote 8 for sensor enclosures

Item No. 03. M-101B - 1ST FLOOR MECHANICAL PLAN - AREA B NEW GYM FLOOR PLAN
- A. Updated thermostats for Area B stairwells by GYM B after changing from mini splits to RTUs for Stairwells.
- B. Added Keynote 12 for sensor enclosures in high traffic areas.

Item No. 04. M-101C FLOOR PL - 1ST FLOOR MECHANICAL PLAN -AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN
- A. Rerouted refrigerant lines and condensate line for FCU-IDF-1162.
- B. Renamed thermostat for stairwell to RTU-C1
- C. Added missing thermostats for AHU-MP-02 and RTU-MP-02 serving the field.
- D. Added keynote 6-7

Item No. 05. M-101D - 1ST FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Rerouted FCU-IDF-1138 Refrigerant lines.
B. Added keynote 6 for sensor enclosure in high traffic areas.
C. Adjusted diffuser layout for Architectural background update to d1135-Vestible room size.

Item No. 06. M-101E - 1ST FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Added keynote 6 for sensor enclosure in high traffic areas.
B. Updated refrigerant line and condensate line routing for FCU-IDF-1106
C. Added thermostats for RTU-MP-01 and AHU-MP-01
D. Updated stairwell thermostat.

Item No. 07. M-101F - 1ST FLOOR MECHANICAL PLAN -AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Updated mislabeled thermostat in 1118-STAIRS
B. Updated location of FCU-IDF-IDF-1129. Rerouted refrigerant lines.
C. Updated and moved mislabeled thermostat serving Library/Temporary band
D. Added keynotes 5-7.

Item No. 08. M-101HT - 1ST FLOOR TEMPORARY MECHANICAL PLAN - AREA H - CTE

A. Updated Main CHS/R piping running through CTE corridor after DX RTUs replacing AHUs. Updated keynote 5.
B. Updated keynote 1 with "INSTALLING CONTRACTOR TO ENSURE CHILLER WARRANTY IS MAINTAINED AFTER TEMPORARY RELOCATION"

Item No. 09. M-101H - 1ST FLOOR MECHANICAL PLAN - AREA H - CTE

A. Updated Main CHS/R piping running through CTE corridor after RTUs replacing AHUs.

Item No. 010. M-102C - 2ND FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. adjusted refrigerant lines for FCU-IDF-1162 coming from below.
B. Removed FCU-STAIRS-C2 which was before the switch to RTUs on the stairwells.
C. Added keynote 6-8

Item No. 011. M-102D - 2ND FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Rerouted refrigerant lines and condensate line for IDF-2137.
B. Adjusted refrigerant lines for FCU-IDF-1138
C. Updated linear diffuser type on Main Street to Jet throw linear diffusers

Item No. 012. M-102E - 2ND FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Adjusted refrigerant lines for FCU-IDF-1106 coming from below.
B. Added keynotes 5-7

Item No. 013. M-102F - 2ND FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Routed FCU-IDF-2125 to closer lavatory tailpiece.
B. Updated linear diffuser type on Main Street to Jet throw linear diffusers TYPE H.
C. Added keynotes 5-12.

Item No. 014. M-103C - 3RD FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. adjusted refrigerant lines for FCU-IDF-1162 coming from below
B. Added refrigerant lines and condensate drain line for FCU-IDF-3146
C. Keynoted all Return air Transfer opening.
D. Added keynotes 5-13.

Item No. 015. M-103D - 3RD FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Adjusted refrigerant lines for FCU-IDF-1138 and FCU-IDF-2137 coming from below.
B. Rerouted Refrigerant lines for FCU-3131. routed condensate line to nearest lavatory tailpiece.
C. Added keynotes 6-10.

Item No. 016. M-103E - 3RD FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Updated T-Stat for FCU-IDF-3106
B. Adjusted refrigerant lines for FCU-IDF-2104 and FCU-IDF-1106 coming from below.
C. Added missing refrigerant lines and condensate line to FCU-IDF-3106
D. Added keynotes 6-12

Item No. 017. M-103F - 3RD FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Routed Condensate and refrigerant lines for FCU-IDF-3131
B. Rerouted refrigerant lines for FCU-IDF-1129 and FCU-IDF-2125 from below.
C. Added keynotes 6-10.

Item No. 018. M-103G - 3RD FLOOR MECHANICAL PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN

A. Routed Condensate and refrigerant lines for FCU-IDF-3131.

Item No. 019. M-203 - ENLARGED MECHANICAL PLAN

A. Added condensate drain line to all AHUs.
B. Routed condensate drain line from FCU-IDF-2137 to floor sink in 2145 - MECH.
C. Added keynotes 2-14

Item No. 020. M-204 - ENLARGED MECHANICAL PLAN

A. Added condensate drain line to all AHUs.
B. Adding missing hydronic lines to AHU-E3-01
C. Added 48"x18" (internal dimensions) lined return air elbow to two ST-05s in 2124-Mech RM
D. Added keynotes 2 – 14

Item No. 021. M-205 - ENLARGED MECHANICAL PLAN

A. In 4000-Mech, renamed all sound traps to ST-02. Added 48"x48" (internal dimensions) lined return air elbow to them
B. Updated AHU-MP-01 and AHU-MP-02 to all be round ductwork.
C. Added Missing Condensate Drain Line for all AHUs.
D. Added keynotes 8 -14.

Item No. 022. M-206 - ENLARGED MECHANICAL PLAN

A. Added missing condensate lines for All AHUs
B. Added Keynotes 2-15

Item No. 023. M-207 - ENLARGED MECHANICAL PLAN

A. Made Sound traps penetrating floor ST-07 24"x18"(3' in length) in 2500-MECH
B. Added missing condensate lines for all AHUs
C. Updated Main ductwork sizing for AHU-A2-01
D. Added missing motorized damper and volume damper to AHU-B3-01
E. Updated GYM A return air Grille Type.
F. Added Keynotes 2 – 15

Item No. 024. M-208 - ENLARGED MECHANICAL PLAN

A. Updated Gym B return air grille type.
B. Added keynotes 6-8

Item No. 025. M-301 - MECHANICAL ROOF PLAN - NEW GYM & MULTIPURPOSE FACILITY OVERAL FLOOR PLAN

A. Reconfigured ACCU-IDF-2104 refrigerant lines.

B. Reconfigured Exhaust Fans and ACCUs by RTU-MP-01 and RTU-MP-02
C. Reconfigured refrigerant line for ACCU-IDF-1106
D. Missing ACCU-IDF-3106 and refrigerant lines were added.
E. Removed ACCU-1132I. Must have been left over when the room tags changed.

Item No. 026. M-401 - MECHANICAL PIPING DIAGRAM
A. Added new sheet with Chilled water piping diagram

Item No. 027. M-402 - MECHANICAL PIPING DIAGRAM
A. Added new sheet with Chilled water piping diagram

Item No. 028. M-503 - MECHANICAL SCHEDULESs
A. Added ST-07 to duct silencer schedule

ELECTRICAL

Item No. 01. E-101F - 1ST FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Updated circuits for mechanical equipment
B. Removed keyed note for elevator disconnect

Item No. 02. E-101H - 1ST FLOOR POWER PLAN - AREA H CTE
A. Added tag for MTS1

Item No. 03. E-102F - 2ND FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added circuit tag for won door

Item No. 04. E-103C - 3RD FLOOR POWER PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added circuit tag for won door

Item No. 05. E-103D - 3RD FLOOR POWER PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added power for BAS Panel
B. Updated electrical equipment layout to account for new electrical equipment for optional standby mezzanine loads
C. Updated UV Light circuits

Item No. 06. E-103F - 3RD FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added power for won door
B. Added circuiting for elevator and associated keynote

Item No. 07. E-103G - 3RD FLOOR POWER PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added power for DF-01’s

Item No. 08. E-201G - 1ST FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added switching for multipurpose and associated keynote
B. Added group fixture tag

Item No. 09. E-202B - 2ND FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN
A. Added fixture tags
B. Added switches in gyms
C. Updated circuiting for lighting

Item No. 010. E-203B - 3RD FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN
A. Updated control and circuiting for gym lights
B. Added circuiting mech rooms

Item No. 011. E-203D - 3RD FLOOR LIGHTING PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added fixtures and switch to mechanical room

Item No. 012. E-203E - 3RD FLOOR LIGHTING PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Updated lighting circuiting

Item No. 013. E-203G - 3RD FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added multipurpose light fixtures, circuiting and control

Item No. 014. E-301A - ELECTRICAL ROOF PLAN - AREA A NEW GYM FLOOR PLAN
A. Added MAPA pedestal note and tagged as shown
B. Added note clarify RTU receptacle and disconnect scope of work and tagged as shown

Item No. 015. E-301B - ELECTRICAL ROOF PLAN - AREA B NEW GYM FLOOR PLAN
A. Added MAPA pedestal note and tagged as shown
B. Added note clarify RTU receptacle and disconnect scope of work and tagged as shown3
C. Conformed layout to updated mechanical layout

Item No. 016. E-301C - ELECTRICAL ROOF PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added MAPA pedestal note and tagged as shown
B. Added note clarify RTU receptacle and disconnect scope of work and tagged as shown3
C. Conformed layout to updated mechanical layout

Item No. 017. E-301D - ELECTRICAL ROOF PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added MAPA pedestal note and tagged as shown
B. Added note clarify RTU receptacle and disconnect scope of work and tagged as shown3
C. Conformed layout to updated mechanical layout

Item No. 018. E-301E - ELECTRICAL ROOF PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added MAPA pedestal note and tagged as shown
B. Added note clarify RTU receptacle and disconnect scope of work and tagged as shown3
C. Conformed layout to updated mechanical layout

Item No. 019. E-301F - ELECTRICAL ROOF PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
A. Added MAPA pedestal note and tagged as shown
B. Added note clarify RTU receptacle and disconnect scope of work and tagged as shown3
C. Conformed layout to updated mechanical layout

Item No. 020. E-502 - ELECTRICAL RISER DIAGRAM
A. Added optional standby panels for multipurpose loads

Item No. 021. EP-702 - ELECTRICAL PANEL SCHEDULES
A. Updated panel schedules to reflect floorplan circuit changes

Item No. 022. EP-703 - ELECTRICAL PANEL SCHEDULES
A. Updated panel schedules to reflect floorplan circuit changes

Item No. 023. EP-706 - ELECTRICAL PANEL SCHEDULES
A. Updated panel schedules to reflect floorplan circuit changes

Item No. 024. EP-707 - ELECTRICAL PANEL SCHEDULES
A. Updated panel schedules to reflect floorplan circuit changes

Item No. 025. EP-708 - ELECTRICAL PANEL SCHEDULES
A. Updated panel schedules to reflect floorplan circuit changes

Item No. 026. EP-709 - ELECTRICAL PANEL SCHEDULES
A. Updated panel schedules to reflect floorplan circuit changes

Item No. 027. ES-101 - ELECTRICAL SITE PLAN
A. Added callout for enlarged view

Item No. 028. ES-101A - ELECTRICAL SITE PLAN - ENLARGED VIEWS
A. New Sheet
B. Added details for new service feeder to central plan

TECHNOLOGY

Item No. 01 TS-101 TECHNOLOGY SITE PLAN

A. **Replace Sheet in its entirety**
B. Updated Keynote 3 to clarify verbiage.
C. Updated Keynote 18 to include (4) 1.5” conduits routed at plenum height.
D. Updated Keynote 19 to include (2) 8x8x4 NEMA4 Surface-mounted boxes at plenum height for data cable and separated fire alarm cable routing.
E. Added Keynote 20 to indicate conduit pathway interconnection in plenum for IDF 1129 to IDF 1545. Indicated conduit pathway shall run through plenum at plenum height across skybridge into athletics building plenum space.
F. Added Keynote 21 indicating 4 qty. 4 in. conduits routed from IDF 1106 to edge of foundation of MP building for future phase technology cable routing.
G. Removed conduit pathway to temporary chiller trailer location.
H. Added GENERAL BASIC SCOPE OF WORK NOTES to sheet.

END OF ADDENDUM NO. 01



12/11/2025

PRE PROPOSAL MEETING

Galena Park High School Phase 3B

GPISD Project Number: B104

Meeting Date and Time: Wednesday, December 10, 2025 @ 10:00 AM

Meeting Location: Q106

Attendees				
Initials	Name / Title	Company / Role	Phone	Email
	Angel Ortega	IDR Demolition	337-707-6797	angel@idrdemo.com.
	PAM HAYNES	GAMMA CONST	713 963 0088	PHAYNES@GAMMACONST.com
	Brian Bushong	UES	713-259-0632	bbushong@teamues.com
	Jacob Whitman	Tristerglass	409-504-5883	Tristar409@yahoo.com
	Elizabeth Stemac	Satterfield&Pontikes	713 996 1300	houstonbids@satpon.com
	Nathan Rasberry	Bartlett Cocke	832 480 1157	NRasberry@Bartlettcocke.com
	TREVOR HENOTE	MY GARAGE AND GATES	346-442-8744	trevor@mygarageandgates
	BRENT MOCTAZUMA	MY GARAGE AND GATE	406-210-7862	Brent@mygarageandgates
	GLORIA CARLOS	PBK	8.455.9120	gloria.carlos@pbk.com
	ISABELA ESPARZA	PBK	830-877-7603	isabela.esparza@PBK

PRE PROPOSAL MEETING

Galena Park High School Phase 3B

GPISD Project Number: B104

Meeting Date and Time: Wednesday, December 10, 2025 @ 10:00 AM

Meeting Location: Q106

Attendees				
Initials	Name / Title	Company / Role	Phone	Email
SN	Shellie Natho, BD	Bartlett Cocke	281-725-8055	snatho@bartlettcocke.com
JS	Jeff Schafer	ICI Construction	281-355-5151	bids@iciconstruction-inc.com
WP	Warren Parker, PX	Bartlett Cocke	713-870-1489	wparker@bartlettcocke.com
CF	Cody Fite, Reg. Est. Manager	Bartlett Cocke	713-259-1758	cfite@bartlettcocke.com
JP	Jason Peltier, PM	Bartlett Cocke	979 549 7600	jpeltier@bartlettcocke.com
JV	Jeff Vandercook, PM	Bartlett Cocke	972 837 3632	JVandercook@bartlettcocke.
	ISRAEL YOHANNES	RGCI	346-228-0610	

PRE PROPOSAL MEETING

Galena Park High School Phase 3B

GPISD Project Number: B104

Meeting Date and Time: Wednesday, December 10, 2025 @ 10:00 AM

Meeting Location: Q106

Attendees				
Initials	Name / Title	Company / Role	Phone	Email
PV	PHILLIP CANO	PRIME CONTRACTORS	281 799 0875	estimating@primecontractorsinc.com
BW	Brian Wildish	S&P	971 888 3444	houstonbids@satpon.com
BA	Brandon Assuncao	S+P	281-797-2220	houstonbids@satpon.com
AJ	Andrew Janczak	S&P	7133511662	houstonbids@satpon.com
TG	TODD GRANATA	S+P	8329434208	tgranata@satpon.com
BR	BRECK RHODES	S+P	214 877-7126	BRHODES@SATPON.COM
SM	Sydney McKay	GP	x1020	smckay@galenaparkisd.com
SS	Scott Simpson	FiberTite	2817708898	SSimpson@seamancorp.com
JC	JON CROWE	PREMIER	480 815-5570	estimating@premierdemo.com
LR	Lee Ramirez	GPISD	832-386-1056	lramirez@galenaparkisd.com

Galena Park High School Phase 3B
Athletics, Academic & Multi-Purpose Facility
GALENA PARK INDEPENDENT SCHOOL DISTRICT

GPISD Project Number: B104
PBK Project Number: 240539

PRE-PROPOSAL CONFERENCE

AGENDA

Wednesday, December 10, 2025 at 10:00 A.M.

I. Introduction of Representatives

A. OWNER: Galena Park Independent School District...832-386-1000
- 01 Dr. John Moore .....GPISD Superintendent of Schools
- 02 Mr. Ed Martir .....GPISD Director for Facilities Planning & Construction
- 03 Mr. Lee Ramirez .....GPISD Executive Director for School Operations
- 04 Ms. Sydney McKay .....GPISD Project Control Specialist for Facilities P&C
- 05 Mr. Trey Kraemer .....GPISD Campus Liaison
- 06 Mr. Ron Keller .....RGCI Vice President - Program Manager
- 07 Mr. Israel Yohannes .....RGCI Senior PM - Program Manager
- 08 Mr. Jesse Garcia .....RGCI PM – Program Manager

B. ARCHITECT: PBK 713-965-0608
- 01 Mr. Manuel “Manny” Torres .....Partner -in- Charge
- 02 Ms. Gloria Carlos .....Senior Project Manager
- 03 Ms. Isabela Esparza .....Assistant PM
- 04 Ms. Grecia Jimenez .....Field Representative

C. FACILITIES: BEAM 713-940-3201
- 01 Mr. Shawn LeCrone .....President
- 02 Mr. Jason Benoit .....Senior Project Manager
- 03 Mr. Gaspar Montoya .....Field Representative

D. CIVIL: DIG Engineers 346-308-9036
- 01 Mr. Trace Cryer .....Senior Principal
- 02 Mr. Rajeeb Rajbhandari .....Civil Project Manager
- 03 Mr. Malik McLemore .....Field Representative

E. LANDSCAPE: Edgeland 713-460-0988
- 01 Mr. Jacon Galles .....President
- 02 Mr. Austin Taphorn .....Project Manager

F. STRUCTURAL: Kubala Engineers 713-965-0608
- 01 Mr. John Kubala P.E. .....President
- 02 Mr. Sam Ibrahim P.E. .....Senior Project Manager

G. MEPT: LEAF Engineering 713-940-3300
- 01 Mr. Matt Sickorez .....Vice President
- 02 Mr. Jesse Alatorre .....Project Manager
- 03 Mr. Derek Metz .....Field Representative

II. Proposal Date: Monday, January 12, 2026 (Base-Bid) 2:00pm.
Tuesday, January 13, 2026 (Alternates) 2:00pm.

Proposal Time: All proposals will be read out loud at 2:00pm on Tuesday, January 13, 2026.

Proposal Location: Galena Park Independent School District
Administration Building – Main Lobby
14705 Woodforest Blvd.
Houston, Texas 77015
Phone: (832) 386-1000

III. Proposal Submission: Hand Delivery or Certified Mail Only
Facilities Planning and Construction Department
Administration Building
Galena Park ISD
14705 Woodforest Blvd.
Houston, TX 77015
Phone: (832) 386-1259
No fax or email submissions will be accepted.

IV. Instructions to Proposers:

a. Registration and documents, including request for Competitive Sealed Proposals document available in CSP 25-605 Galena Park High School Phase 3B - Athletics, Academic & Multi-Purpose Facility
b. Refer to "Bid Attributes" section information regarding requirements and submissions prior to Proposal Opening. These documents are due Monday, January 05, 2026. **Email:** facilities@galenaparkisd.com
    1) OSHA inspection logs
    2) Qualification Statement (AIA Document A305)
    3) List of five (5) projects of similar scope completed within the last five (5) years.
    4) Contractor's Proposed Project Personnel
c. Refer to "INSTRUCTIONS TO PROPOSERS FOR CONTRACTS FOR CONSTRUCTION" for information:
    1) Definitions
    2) Proposer's Presentations
    3) Proposal Documents
    4) Proposal Procedures
    5) Pre & Post Proposal Information
    6) Consideration of Proposals
    7) Performance and Payment Bonds
d. Any changes arising out of questions requiring interpretation, clarification or correction to the Proposal Documents will be made by Addendum.
e. The last day for Proposers to submit questions is Saturday, December 27, 2025.
f. Proposers to review "Bid Attributes" section for instructions and guidelines required.

V. Proposal Forms (to be submitted manually as outlined in the documents)

- Proposal (including Alternate Proposals)
- Proposal Bond (10%)

Bid Attachments:

- W9
- Conflict of Interest Form
- Form 1295 (Certificate of Interested Parties)
- Texas and Federal Certifications
- Certification of Criminal History Record
- General Conditions & Supplementary Conditions
- AIA A305 Qualification Statement
- References
- Contractor's Proposed Project Personnel

VI. Summary of Work (Section 01 10 00)

1.3 Project Information

A. Project Location: 1000 Keene St. Galena Park, Texas 77547

1.4 Work Covered by Contract Documents

A. The Work of Project is defined by the Contract Documents and consists of the following: The construction of the Athletics Building, Academic Wing and Multi-purpose Facility. The Athletics Building to include a Competition Gymnasium and two (2) Auxiliary Gymnasiums in addition to locker rooms, offices, secondary weight room and trainer's room. The Academic Wing will include all programmed classrooms, science labs, SPED classrooms, LGI rooms, Assistant Principal satellite offices and all support spaces. The project will require the demolition of the existing Fieldhouse once the New Fieldhouse (in Phase 3A) is completed. The multi-purpose Facility is designed to provide maximum flexibility and adaptability for use by Athletics, CTE, Academic Classrooms or any other campus program. The total gross area of the phase is 269,000 square feet.

B. Type of Contract: Project will be constructed under a Competitive Sealed Proposal (CSP) contract.

VII. Allowances (Section 01 21 00 & GPISD Bid Package Volume 01)

A. Owner's Contingency Allowance $4,500,000.00
B. Interior Printed and Custom Painted Graphics Allowance $125,000.00
C. Temp Swing Space Tie-in Allowance $60,000.00
D. Miscellaneous Steel Allowance $168,000.00

VIII. Construction Schedule

A. The Owner has a critical need for the work to begin upon Notice to Proceed and shall be Substantially Complete by July 15, 2027.

IX. Bid Activities Schedule:

Questions Deadline 12/27/2025

(email to gloria.carlos@pbk.com facilities@galenaparkisd.com or via Ionwave)

Pre-Qualifications Due 01/05/2026

AE Response to Questions 01/08/2026

Proposals Due

(Base-bid 2:00 pm) 01/12/2026

(Alternates 2:00 pm) 01/13/2026

Award at Board of Trustee Meeting (Subject to Change) 02/09/2026

X. Additional Discussion:

A. Demolition of existing fieldhouse
B. Athletics Complex start date

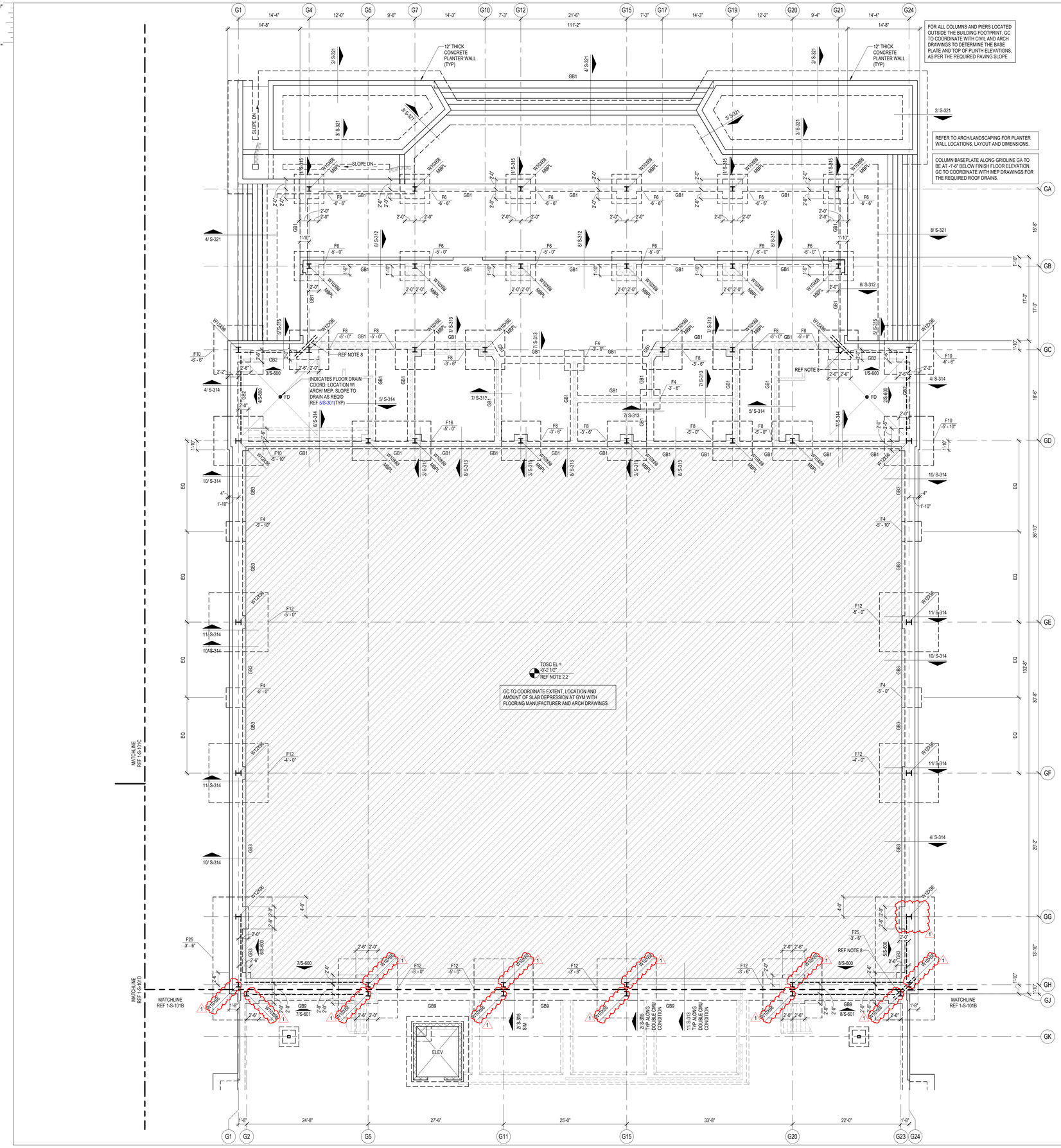
XI. Questions:

Disclaimer: *This agenda is provided for general guidance only and must be read in conjunction with the Request for Proposals (RFP) and all related documents issued. Nothing in this agenda shall be construed to modify, override, or supplement the requirements of the official RFP, unless such clarification is formally issued in an addendum. Bidders are responsible for reviewing the complete RFP package and adhering to all submission requirements and deadlines.*

FOUNDATION PLAN - AREA A
S-101A

FOR BLUEBEAM LABELING/OCR:

0"
1"



FOR ALL COLUMNS AND PIERS LOCATED OUTSIDE THE BUILDING FOOTPRINT, GC TO COORDINATE WITH CIVIL AND ARCH DRAWINGS TO DETERMINE THE BASE PLATE AND TOP OF PLINTH ELEVATIONS, AS PER THE REQUIRED PAVING SLOPE

REFER TO ARCH/LANDSCAPING FOR PLANTER WALL LOCATIONS, LAYOUT AND DIMENSIONS.

COLUMN BASEPLATE ALONG GRIDLINE GA TO BE AT -1'-6" BELOW FINISH FLOOR ELEVATION. GC TO COORDINATE WITH MEP DRAWINGS FOR THE REQUIRED ROOF DRAINS.

FOR ALL PIERS SUPPORTING THE LANDSCAPING WALLS, RAMPS AND STAIRS OUTSIDE THE BUILDING FOOTPRINT TO LIMIT THE DEPTH TO 35'-0" BELOW EXISTING GRADE.

FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 0'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.

2.1 5" THICK CONCRETE SLAB ON GRADE REINFORCED WITH #4@15" OC EACH WAY, ON 2 1/2" CHAIRS FOR #4 BARS SPACED AT 30" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301.

2.2 6" THICK CONCRETE SLAB ON GRADE REINFORCED WITH #4@14" OC EACH WAY, ON 3 1/2" CHAIRS SPACED AT 28" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301 .

2.3 5 1/2" THICK CONCRETE SLAB ON GRADE AT THE POLISHED CONC AREAS REINFORCED WITH #4@14" OC EACH WAY ON 3" CHAIRS SPACED AT 28" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301.

3.1 TOP OF INTERIOR GRADE BEAM ELEVATION SHALL BE = -1'-0" UON.
TOP OF PERIMETER GRADE BEAM ELEVATION SHALL BE = -1'-0" UON.

3.2 TOP OF INTERIOR/ EXTERIOR PLINTH ELEVATION SHALL BE = -1'-0" UON.
TOP OF INTERIOR PIER ELEVATION WITHOUT PLINTH SHALL BE = -1'-0" UON.
TOP OF INTERIOR PIER ELEVATION WITH PLINTH SHALL BE = -3'-6" UON.
TOP OF INTERIOR PIER ELEVATION WITH GRADE BEAM SHALL BE = -3'-6" UON.
TOP OF EXTERIOR PIER ELEVATION SHALL BE = -3'-6" UON.

4. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.

5. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.

6. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.

7. GC COORDINATE ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.

8. PROVIDE (2) - #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.

9. GC COORDINATE ALL THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.

10. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS

11. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.

12. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.

13. REF S5.xx SERIES DRAWINGS FOR STEEL DETAILS.

14. REF S6.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.

15. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES AND FLOOR DRAINS. REF 10/S-301 FOR TRENCH DETAIL AND REF 4/S-301 FOR FLOOR DRAIN DETAIL.

16. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 4/S-313 TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE TURNDOWN SIMILAR TO DETAIL 4/S-313, TYPICAL.

17. PIERS/FOOTINGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
   A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
   B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
   C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
   D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.

18. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 7/S-301 FOR DETAIL TYP

19. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.

20. INDICATES STRUCTURAL CMU THAT ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

21. INDICATES NON-STRUCTURAL CMU THAT ARE NOT PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND ARE NOT DESIGNED TO SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

22. IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REF DETAIL 4/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0" AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FORM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0" THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 4/S-311 (TYP.)

23. PROVIDE STRUCTURAL GEO-FOAM WITH 4" CONCRETE TOPPING SLAB WITH WWF OVER SLAB ON GRADE FOR HATCHED AREAS. GEO-FOAM AND TOPPING SLAB BY MANUFACTURER - REF ARCH AND GENERAL NOTES.
GC NOTE: ORIGINAL BASE/ FLAT SLAB EXTENDS CONTINUOUS BELOW PLATFORM AND STAIRS. PROVIDE GEO-FOAM FILL BELOW PLATFORM WITH 4" CONCRETE TOPPING SLAB WITH 6x6x2.9x2.9 W.W.M. AT MID-HEIGHT OF SLAB. ADDITIONALLY PROVIDE 4" CONCRETE WALLS WITH #4 BARS AT 12" OC EACH WAY - DRILL AND EPOXY 4" INTO BASE/ FLAT SLAB WITH HILTI HY-200 V3 ADHESIVE.

24. REFER TO S-300 FOR CONCRETE FINISHES NOTES.

1 FOUNDATION PLAN - AREA A
1/8" = 1'-0"

PBK
TBPE FIRM #2012
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-6008

Kubala ENGINEERS
www.kubalaengineers.com
TBPE FIRM #
TX REG NO F-23612

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

A

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
REGISTERED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

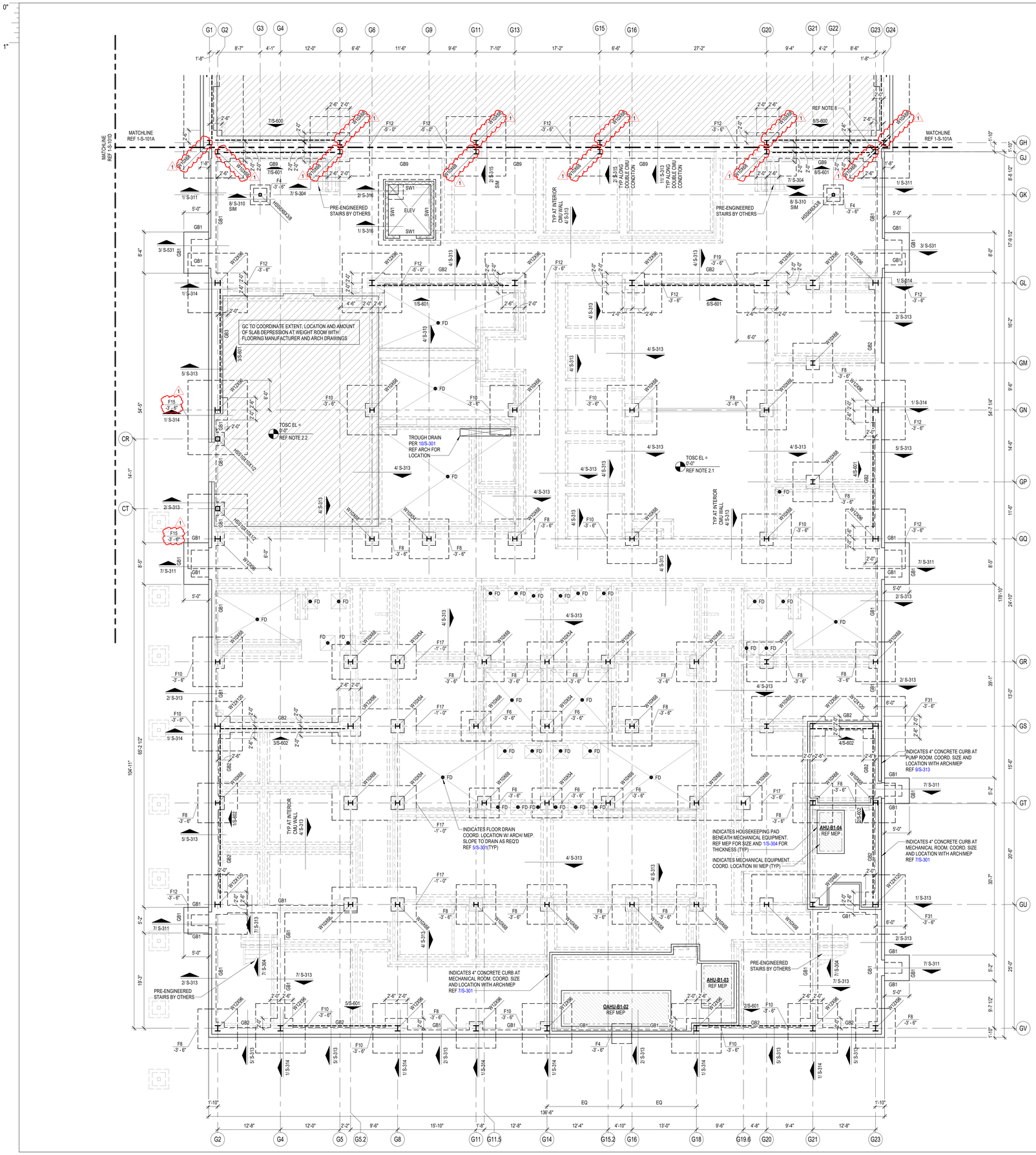
CHECKED BY: SI
DRAWN BY: CML

FOUNDATION PLAN - AREA A

S-101A

Plot Stamp:
12/10/2025 4:14:57 PM

FOUNDATION PLAN - AREA B
S-101B
FOR BLUEBEAM LABELINGDOOR:



FOUNDATION PLAN NOTES

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14. REF S6.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.

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16. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 4/S-313 TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE TURNDOWN SIMILAR TO DETAIL 4/S-313, TYPICAL.

17. PIERS/FOOTINGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
   A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
   B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
   C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
   D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.

18. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 7/S-301 FOR DETAIL TYP

19. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.

20. ▨ INDICATES STRUCTURAL CMU THAT ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

21. ▨ INDICATES NON-STRUCTURAL CMU THAT ARE NOT PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND ARE NOT DESIGNED TO SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

22. IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REF DETAIL 4/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0" AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FORM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0" THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 4/S-311 (TYP.)

23. PROVIDE STRUCTURAL GEO-FOAM WITH 4" CONCRETE TOPPING SLAB WITH WWF OVER SLAB ON GRADE FOR HATCHED AREAS. GEO-FOAM AND TOPPING SLAB BY MANUFACTURER - REF ARCH AND GENERAL NOTES.
GC NOTE: ORIGINAL BASE/ FLAT SLAB EXTENDS CONTINUOUS BELOW PLATFORM AND STAIRS. PROVIDE GEO-FOAM FILL BELOW PLATFORM WITH 4" CONCRETE TOPPING SLAB WITH 6x6x2.9x2.9 W.W.M. AT MID-HEIGHT OF SLAB.
ADDITIONALLY PROVIDE 4" CONCRETE WALLS WITH #4 BARS AT 12" OC EACH WAY - DRILL AND EPOXY 4" INTO BASE/ FLAT SLAB WITH HILTI HY-200 V3 ADHESIVE.

24. REFER TO S-300 FOR CONCRETE FINISHES NOTES.

1 FOUNDATION PLAN - AREA B
1/8" = 1'-0"

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ISSUE FOR PROPOSAL

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TBPE FIRM NO. F-23612
TX REG NO. 106120

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

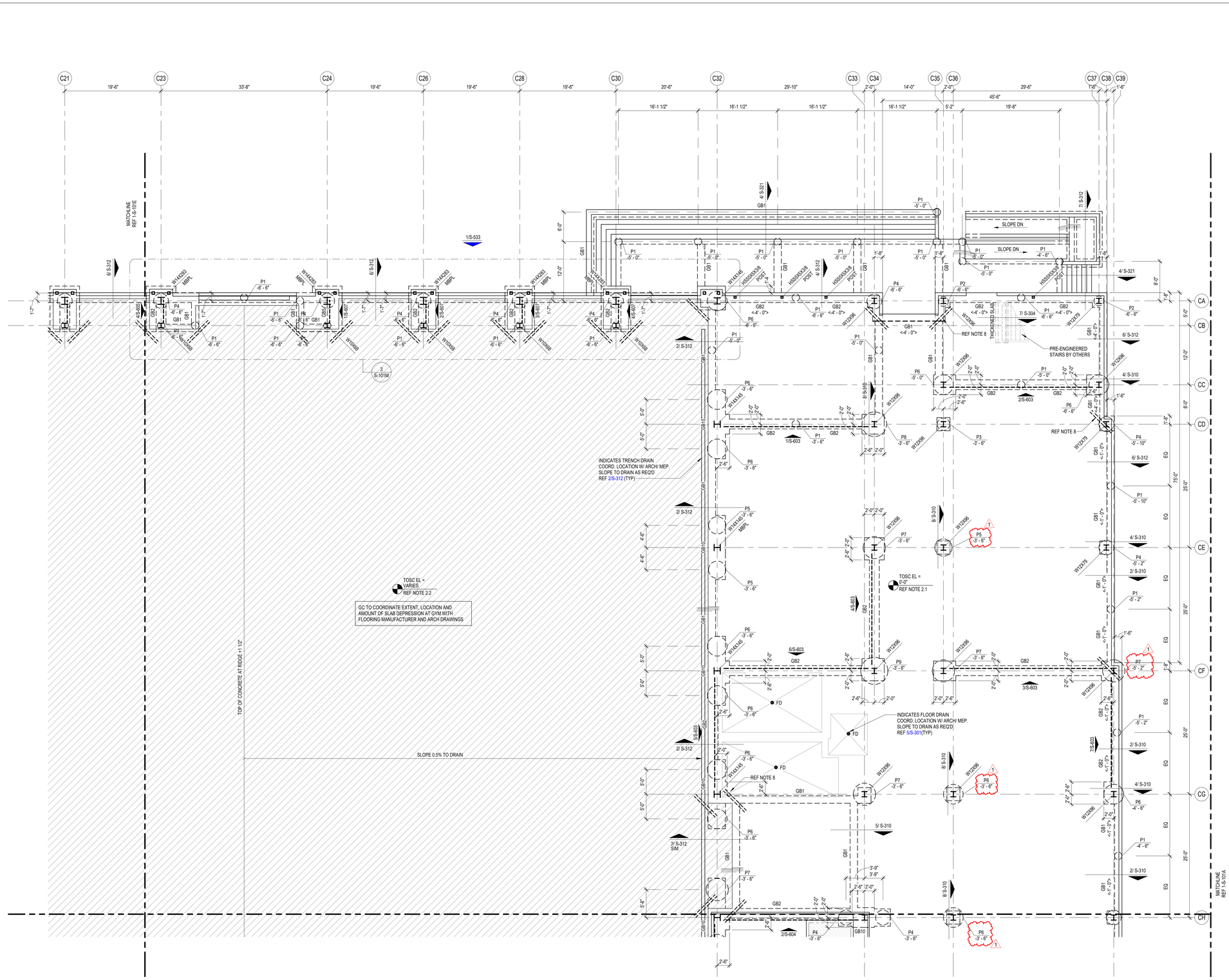
CHECKED BY: SI
DRAWN BY: CML

FOUNDATION PLAN - AREA B

S-101B

Plot Stamp:
12/10/2025 4:15:02 PM

FOUNDATION PLAN - AREA C
S-101C
FOR BLUEBEAM LABELING/DOOR:



FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 0'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.

2.1 5" THICK CONCRETE SLAB ON GRADE REINFORCED WITH #4@15" OC EACH WAY, ON 2 1/2" CHAIRS FOR #4 BARS SPACED AT 30" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301.

2.2 6" THICK CONCRETE SLAB ON GRADE REINFORCED WITH #4@14" OC EACH WAY, ON 3 1/2" CHAIRS SPACED AT 28" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301 .

2.3 5 1/2" THICK CONCRETE SLAB ON GRADE AT THE POLISHED CONC AREAS REINFORCED WITH #4@14" OC EACH WAY ON 3" CHAIRS SPACED AT 28" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301.

3.1 TOP OF INTERIOR GRADE BEAM ELEVATION SHALL BE = -1'-0" UON.
TOP OF PERIMETER GRADE BEAM ELEVATION SHALL BE = -1'-0" UON.

3.2 TOP OF INTERIOR/ EXTERIOR PLINTH ELEVATION SHALL BE = -1'-0" UON.
TOP OF INTERIOR PIER ELEVATION WITHOUT PLINTH SHALL BE = -1'-0" UON.
TOP OF INTERIOR PIER ELEVATION WITH PLINTH SHALL BE = -3'-6" UON.
TOP OF INTERIOR PIER ELEVATION WITH GRADE BEAM SHALL BE = -3'-6" UON.
TOP OF EXTERIOR PIER ELEVATION SHALL BE = -3'-6" UON.

4. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.

5. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.

6. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.

7. GC COORDINATE ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.

8. PROVIDE (2) - #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.

9. GC COORDINATE ALL THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.

10. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS

11. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.

12. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.

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1 FOUNDATION PLAN - AREA C
1/8" = 1'-0"

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TX REG NO. F-23612

Galena Park ISD

KEY PLAN
NORTH: PLAN ≈ TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

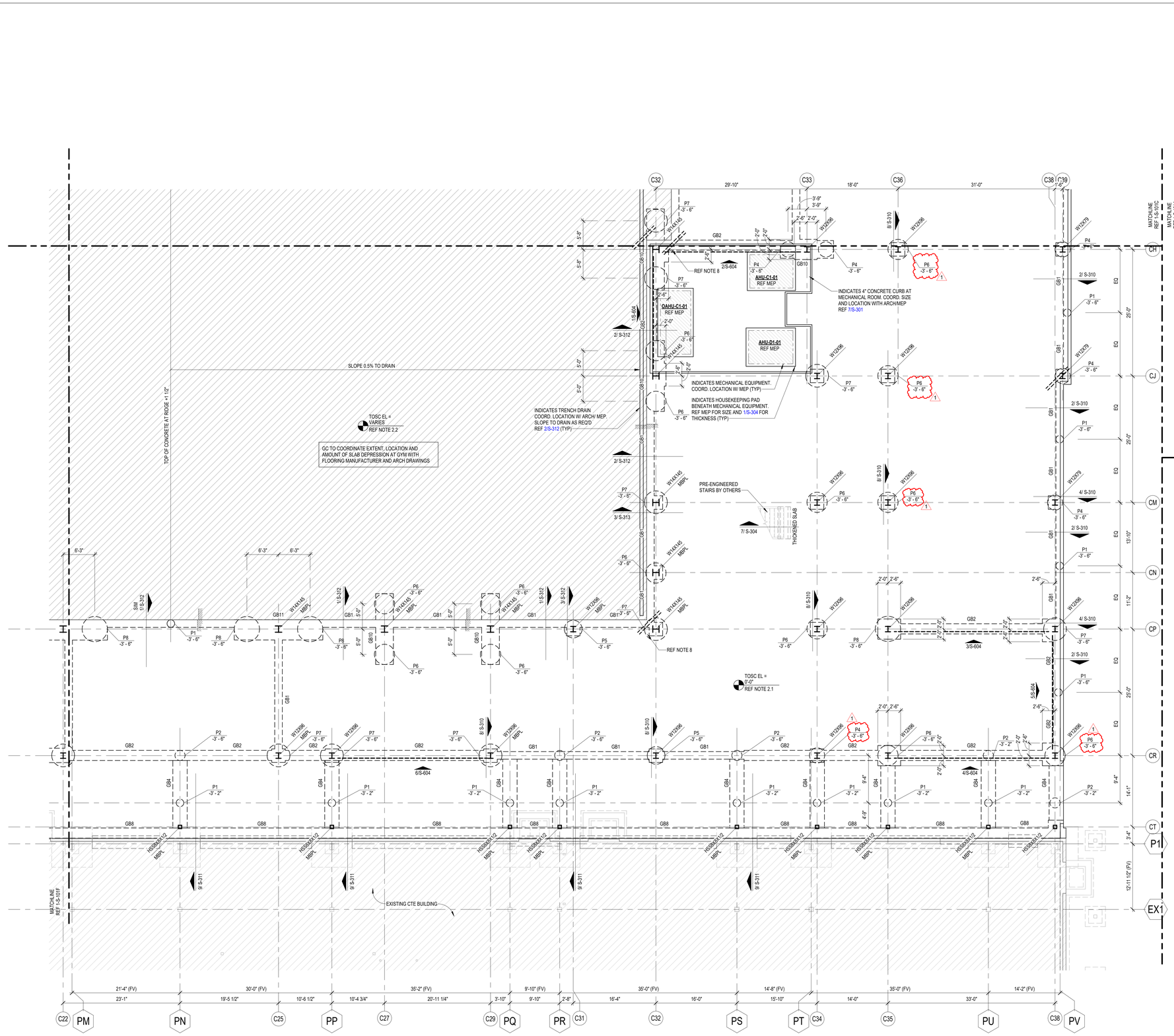
FOUNDATION PLAN - AREA C

S-101C

Plot Stamp:
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FOUNDATION PLAN - AREA D
S-101D
FOR BLUEBEAM LABELING/OCR:

0"
1"



FOUNDATION PLAN NOTES

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24. REFER TO S-300 FOR CONCRETE FINISHES NOTES.

1 FOUNDATION PLAN - AREA D
1/8" = 1'-0"

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TX REG: No F-23612

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

D

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT: Galena Park ISD
DATE: December 5, 2025
PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

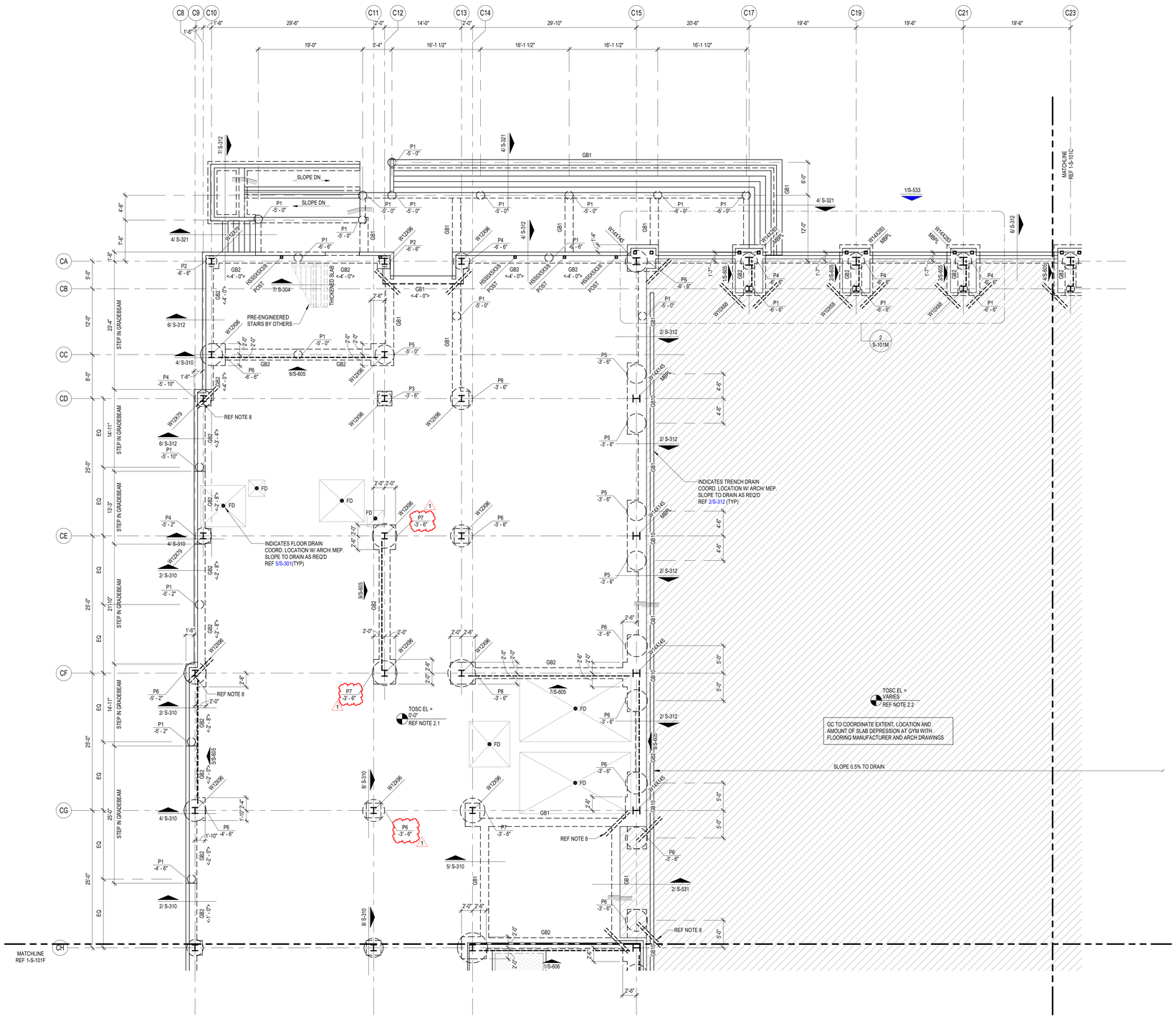
FOUNDATION PLAN - AREA D

S-101D

Plot Stamp:
12/10/2025 4:15:08 PM

FOUNDATION PLAN - AREA E
S-101E
FOR BLUEBEAM LABELINGDOOR:

0"
1"



FOUNDATION PLAN NOTES

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13. REF S5.xx SERIES DRAWINGS FOR STEEL DETAILS.

14. REF S6.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.

15. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES AND FLOOR DRAINS. REF 10/S-301 FOR TRENCH DETAIL AND REF 4/S-301 FOR FLOOR DRAIN DETAIL.

16. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 4/S-313 TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE TURNDOWN SIMILAR TO DETAIL 4/S-313, TYPICAL.

17. PIERS/FOOTINGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
   A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
   B. GRADE BEAMS AND WALLS: CENTERLINE OF THE GRADE BEAM OR WALL.
   C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
   D. PIERS SUPPORTING SLABS ON CARTON FORMS: UNLESS NOTED OTHERWISE, PIERS NOT DIMENSIONED SHALL BE SPACED EQUALLY BETWEEN PIERS THAT ARE DIMENSIONALLY SET ON PLAN.

18. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 7/S-301 FOR DETAIL TYP

19. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.

20. INDICATES STRUCTURAL CMU THAT ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

21. INDICATES NON-STRUCTURAL CMU THAT ARE NOT PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND ARE NOT DESIGNED TO SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

22. IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REF DETAIL 4/S-311); HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0" AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FORM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0" THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 4/S-311 (TYP.)

23. PROVIDE STRUCTURAL GEO-FOAM WITH 4" CONCRETE TOPPING SLAB WITH WWF OVER SLAB ON GRADE FOR HATCHED AREAS. GEO-FOAM AND TOPPING SLAB BY MANUFACTURER - REF ARCH AND GENERAL NOTES.
GC NOTE: ORIGINAL BASE/ FLAT SLAB EXTENDS CONTINUOUS BELOW PLATFORM AND STAIRS. PROVIDE GEO-FOAM FILL BELOW PLATFORM WITH 4" CONCRETE TOPPING SLAB WITH 6x6x2.9x2.9 W.W.M. AT MID-HEIGHT OF SLAB. ADDITIONALLY PROVIDE 4" CONCRETE WALLS WITH #4 BARS AT 12" OC EACH WAY - DRILL AND EPOXY 4" INTO BASE/ FLAT SLAB WITH HILTI HY-200 V3 ADHESIVE.

24. REFER TO S-300 FOR CONCRETE FINISHES NOTES.

1 FOUNDATION PLAN - AREA E
1/8" = 1'-0"

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Galena Park ISD
BUILDING FOR TOMORROW

E

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

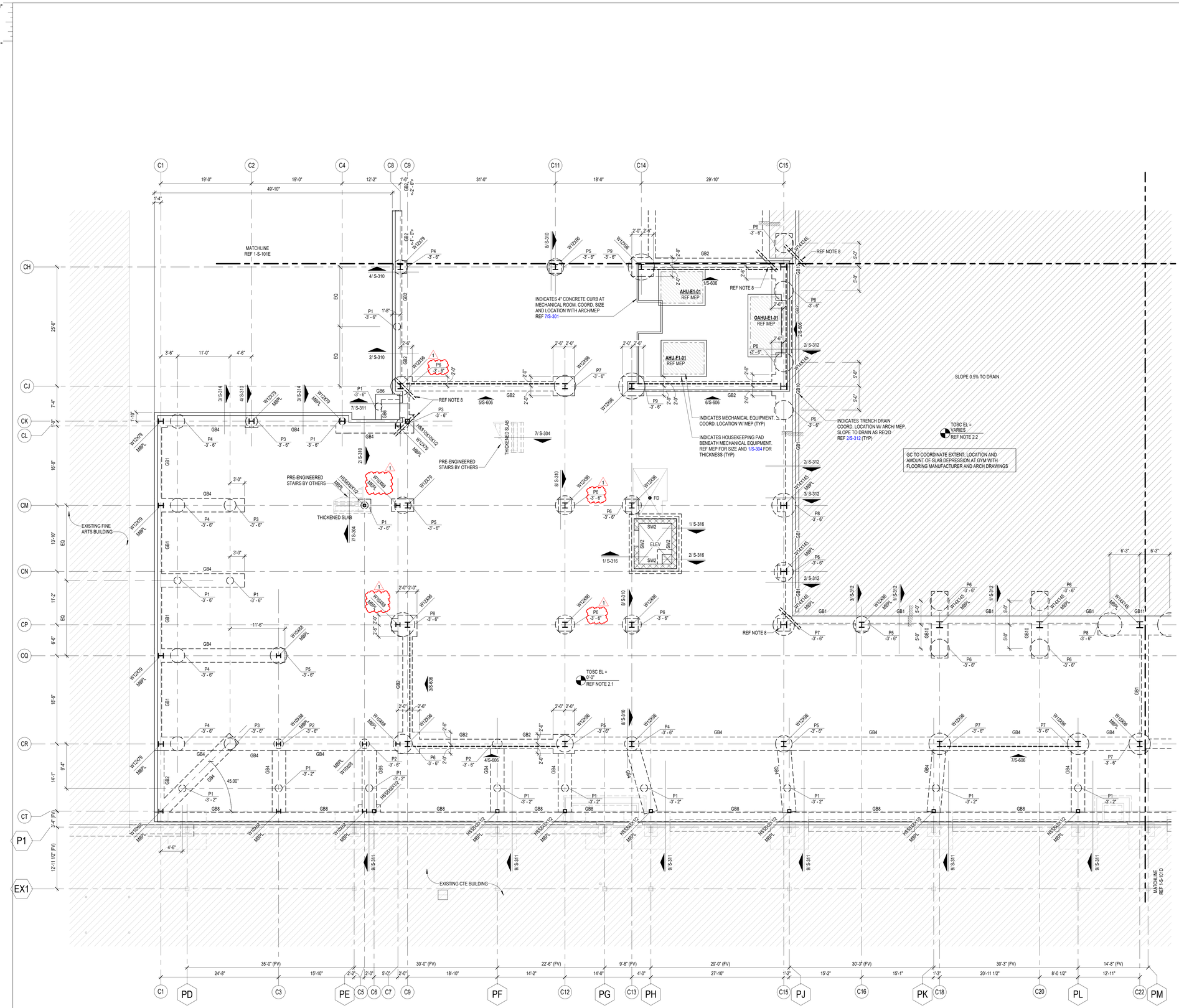
FOUNDATION PLAN - AREA E

S-101E

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FOUNDATION PLAN - AREA F
S-101F
FOR BLUEBEAM LABEL/INDOOR:

0"
1"



FOUNDATION PLAN NOTES

1. REFER TO PLAN FOR TOP OF STRUCTURAL CONCRETE ELEVATIONS (TOSC EL). ALL ELEVATIONS SHOWN ON THE PLAN ARE BASED ON A LEVEL ONE REFERENCE ELEVATION = 0'-0". THIS REFERENCE ELEVATION IS EQUIVALENT TO THE LEVEL ONE MEAN SEA LEVEL ELEVATION = REF CIVIL SHOWN IN THE CIVIL AND ARCHITECTURAL DRAWINGS AND IS NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE.

2.1 5" THICK CONCRETE SLAB ON GRADE REINFORCED WITH #4@15" OC EACH WAY, ON 2 1/2" CHAIRS FOR #4 BARS SPACED AT 30" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301.

2.2 6" THICK CONCRETE SLAB ON GRADE REINFORCED WITH #4@14" OC EACH WAY, ON 3 1/2" CHAIRS SPACED AT 28" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301.

2.3 5 1/2" THICK CONCRETE SLAB ON GRADE AT THE POLISHED CONC AREAS REINFORCED WITH #4@14" OC EACH WAY ON 3" CHAIRS SPACED AT 28" OC EACH WAY. PLACE THE SLAB ON 15 MIL WATER VAPOR BARRIER OVER COMPACTED SELECT FILL (SOIL REPORT) FOR SLAB JOINT DETAILS REFER TO 1/S-301 AND 2/S-301.

3.1 TOP OF INTERIOR GRADE BEAM ELEVATION SHALL BE = -1'-0" UON.
TOP OF PERIMETER GRADE BEAM ELEVATION SHALL BE = -1'-0" UON.

3.2 TOP OF INTERIOR/ EXTERIOR PLINTH ELEVATION SHALL BE = -1'-0" UON.
TOP OF INTERIOR PIER ELEVATION WITHOUT PLINTH SHALL BE = -1'-0" UON.
TOP OF INTERIOR PIER ELEVATION WITH PLINTH SHALL BE = -3'-6" UON.
TOP OF INTERIOR PIER ELEVATION WITH GRADE BEAM SHALL BE = -3'-6" UON.
TOP OF EXTERIOR PIER ELEVATION SHALL BE = -3'-6" UON.

4. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.

5. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.

6. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES.

7. GC COORDINATE ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.

8. PROVIDE (2) - #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.

9. GC COORDINATE ALL THE SIZE AND EXTENT OF ALL BRICK LEDGES SHOWN ON PLAN OR DETAILS WITH ARCHITECTURAL DRAWINGS.

10. REF S0.xx SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS

11. REF S3.xx SERIES DRAWINGS FOR FOUNDATION AND SLAB-ON-GRADE DETAILS.

12. REF S4.xx SERIES DRAWINGS FOR CMU DETAILS.

13. REF S5.xx SERIES DRAWINGS FOR STEEL DETAILS.

14. REF S6.xx SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.

15. REFER TO ARCH AND PLUMBING DWGS FOR THE SIZE, NUMBER AND LOCATION OF ALL THE TRENCHES AND FLOOR DRAINS. REF 10/S-301 FOR TRENCH DETAIL AND REF 4/S-301 FOR FLOOR DRAIN DETAIL.

16. AT INTERIOR CMU WALL LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE SLAB TURNDOWN PER DETAIL 4/S-313 TYPICAL. AT INTERIOR GLAZING LOCATIONS, WHERE THE GRADE BEAM IS NOT SHOWN, PROVIDE TURNDOWN SIMILAR TO DETAIL 4/S-311, TYPICAL.

17. PIERS/FOOTINGS WITHOUT CENTERLINES SHOWN ON PLANS, SECTIONS AND/OR DETAILS SHALL BE LOCATED AS FOLLOWS:
   A. COLUMNS AND PILASTERS: CENTERLINE OF THE COLUMN.
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   C. ALONG THE LENGTH OF GRADE BEAMS AND WALLS: INTERMEDIATE PIERS/FOOTINGS SHALL BE SPACED EQUALLY BETWEEN PIERS/FOOTINGS THAT ARE DIMENSIONALLY SET ON PLAN OR AS NOTED ABOVE.
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18. GC TO COORDINATE THE LOCATION OF ALL CONC CURBS WITH ARCH DWGS. REF 7/S-301 FOR DETAIL TYP

19. GC COORDINATE THE LOCATION OF ALL CANOPY COLUMNS WITH ARCH DRAWINGS.

20. INDICATES STRUCTURAL CMU THAT ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

21. INDICATES NON-STRUCTURAL CMU THAT ARE NOT PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND ARE NOT DESIGNED TO SUPPORTS GRAVITY LOADS. REFER TO ARCH DWGS FOR THE LOCATION OF ALL NON-STRUCTURAL CMU. A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.

22. IT CAN BE COMMON PRACTICE FOR STEEL STUB-UPS WITH STRUCTURAL STEEL SILL SUPPORT MEMBERS TO BE PROVIDED AT LONG FIRST FLOOR WINDOW SILLS (REF DETAIL 4/S-311). HOWEVER, FOR FIRST FLOOR WINDOWS, 8'-0" AND NARROWER, THE GC SHALL PROVIDE PRE-ENGINEERED COLD-FORM SILL SUPPORTS UTILIZING COLD-FORM FRAMING ONLY. THESE COLD-FORM SILL SHALL BE DESIGNED BY THE DRYWALL SUBCONTRACTOR'S ENGINEER AND SUBMITTED IN THE SHOP DRAWINGS FOR REVIEW. WHERE FIRST FLOOR WINDOW SILLS EXCEED 8'-0" THE CONTRACTOR SHALL PROVIDE MISC. STRUCTURAL STEEL PER 4/S-311 (TYP.)

23. PROVIDE STRUCTURAL GEO-FOAM WITH 4" CONCRETE TOPPING SLAB WITH WWF OVER SLAB ON GRADE FOR HATCHED AREAS. GEO-FOAM AND TOPPING SLAB BY MANUFACTURER - REF ARCH AND GENERAL NOTES
GC NOTE: ORIGINAL BASE/ FLAT SLAB EXTENDS CONTINUOUS BELOW PLATFORM AND STAIRS. PROVIDE GEO-FOAM FILL BELOW PLATFORM WITH 4" CONCRETE TOPPING SLAB WITH 6x6x2.9x2.9 W.W.M. AT MID-HEIGHT OF SLAB. ADDITIONALLY PROVIDE 4" CONCRETE WALLS WITH #4 BARS AT 12" OC EACH WAY - DRILL AND EPOXY 4" INTO BASE/ FLAT SLAB WITH HILTI HY-200 V3 ADHESIVE.

24. REFER TO S-300 FOR CONCRETE FINISHES NOTES.

1 FOUNDATION PLAN - AREA F
1/8" = 1'-0"

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Galena Park, TX 77547
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Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

FOUNDATION PLAN - AREA F

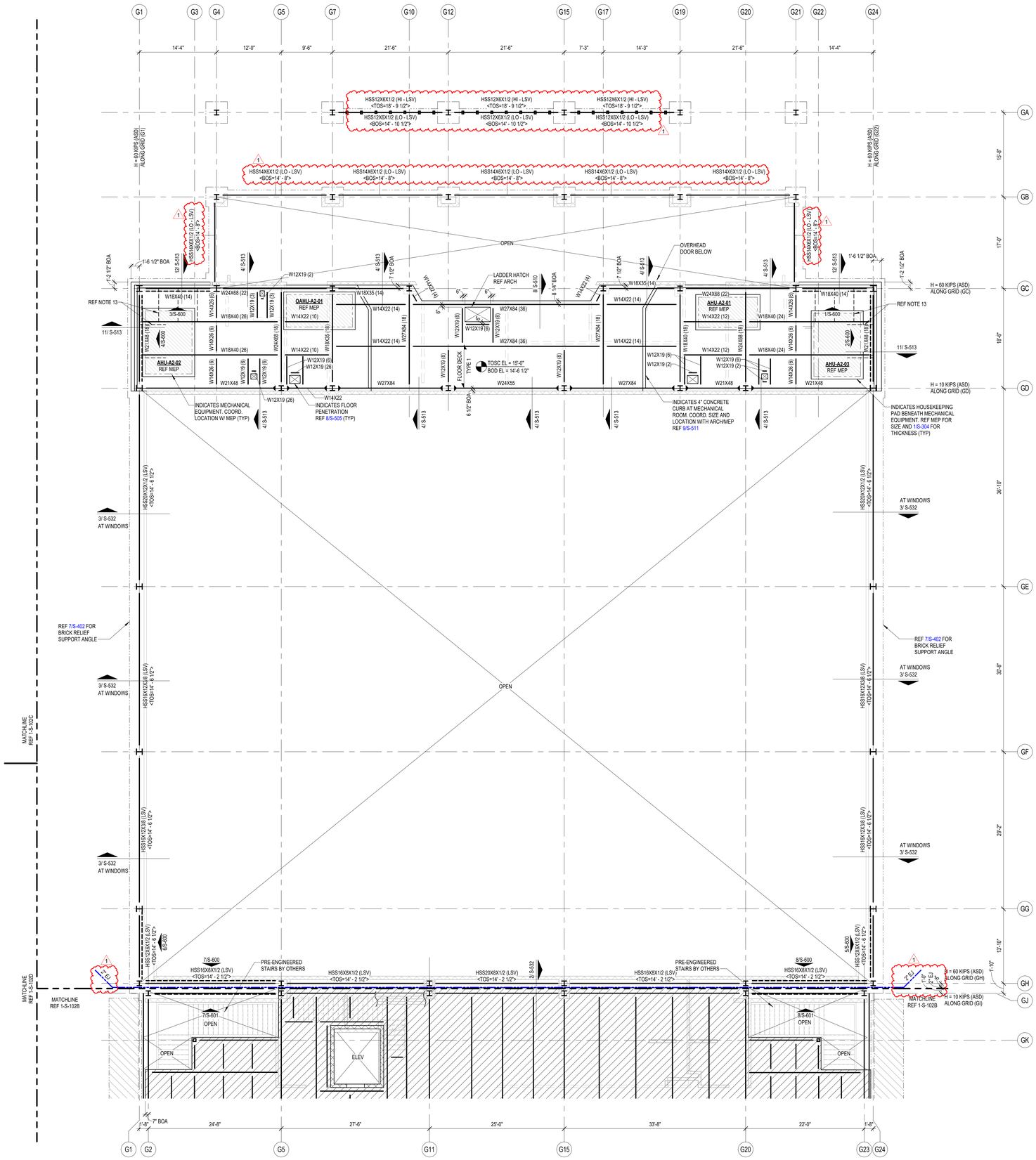
S-101F

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12/10/2025 4:15:17 PM

SECOND FLOOR FRAMING PLAN - AREA A

S-102A

FOR BLUEBEAM LABEL/INDOOR:



COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504 .
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
16. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. XXXX - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=X/X K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

1 GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

1 SECOND FLOOR FRAMING PLAN - AREA A
1/8" = 1'-0"

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EXCELLENCE ALL FOR ALL

A

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI

DRAWN BY: CML

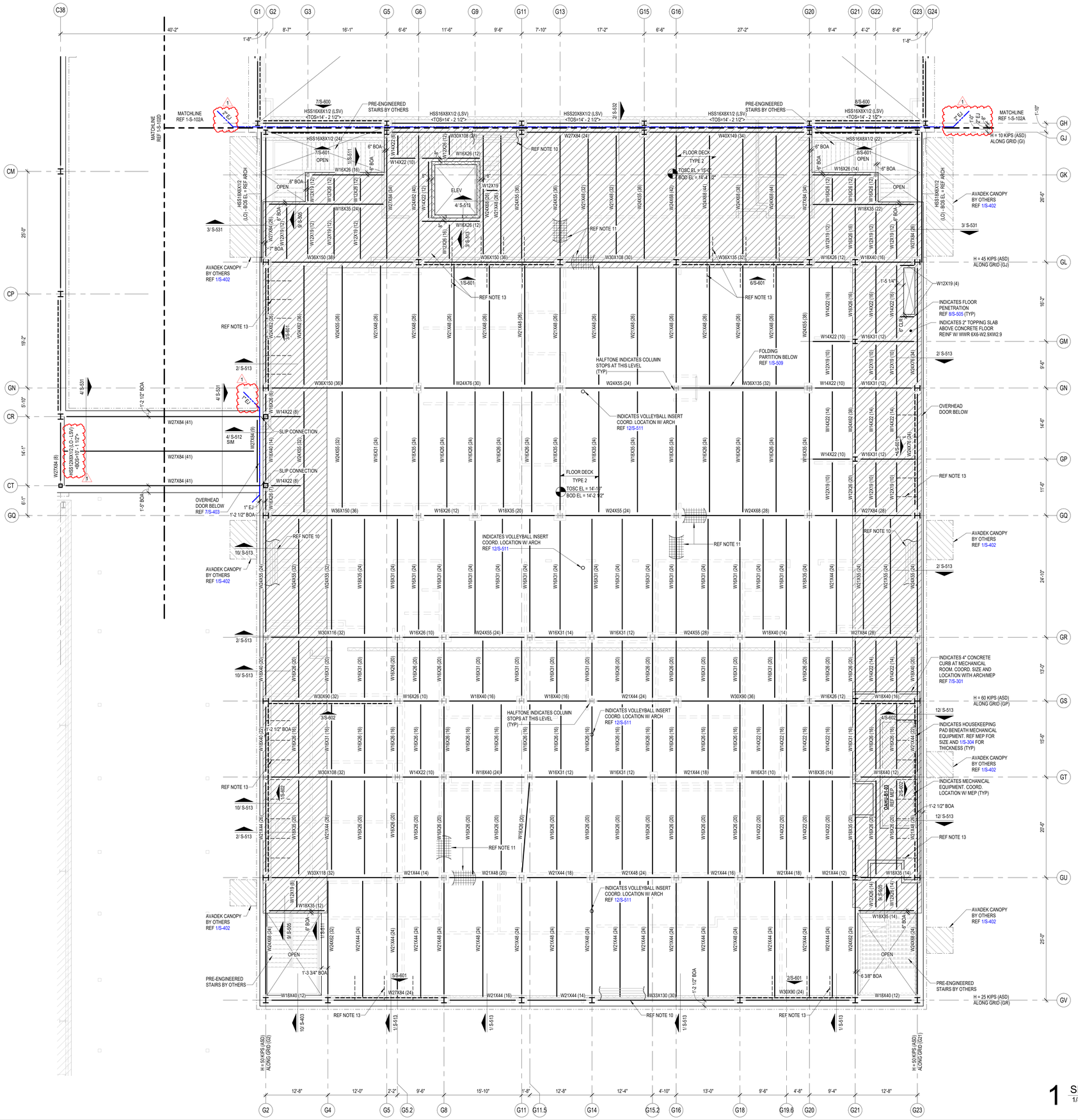
SECOND FLOOR FRAMING PLAN - AREA A

S-102A

Plot Stamp:
12/10/2025 4:15:22 PM

SECOND FLOOR FRAMING PLAN - AREA B
S-102B

FOR BLUEBEAM LABELING/DOOR:



COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504 .
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
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15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
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19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
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COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
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1

GC NOTES:

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1 SECOND FLOOR FRAMING PLAN - AREA B
1/8" = 1'-0"

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-965-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala Engineers
www.kubalaengineers.com
713-465-1447
TX REG: NO F-23612

Galena Park ISD

B

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025

Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

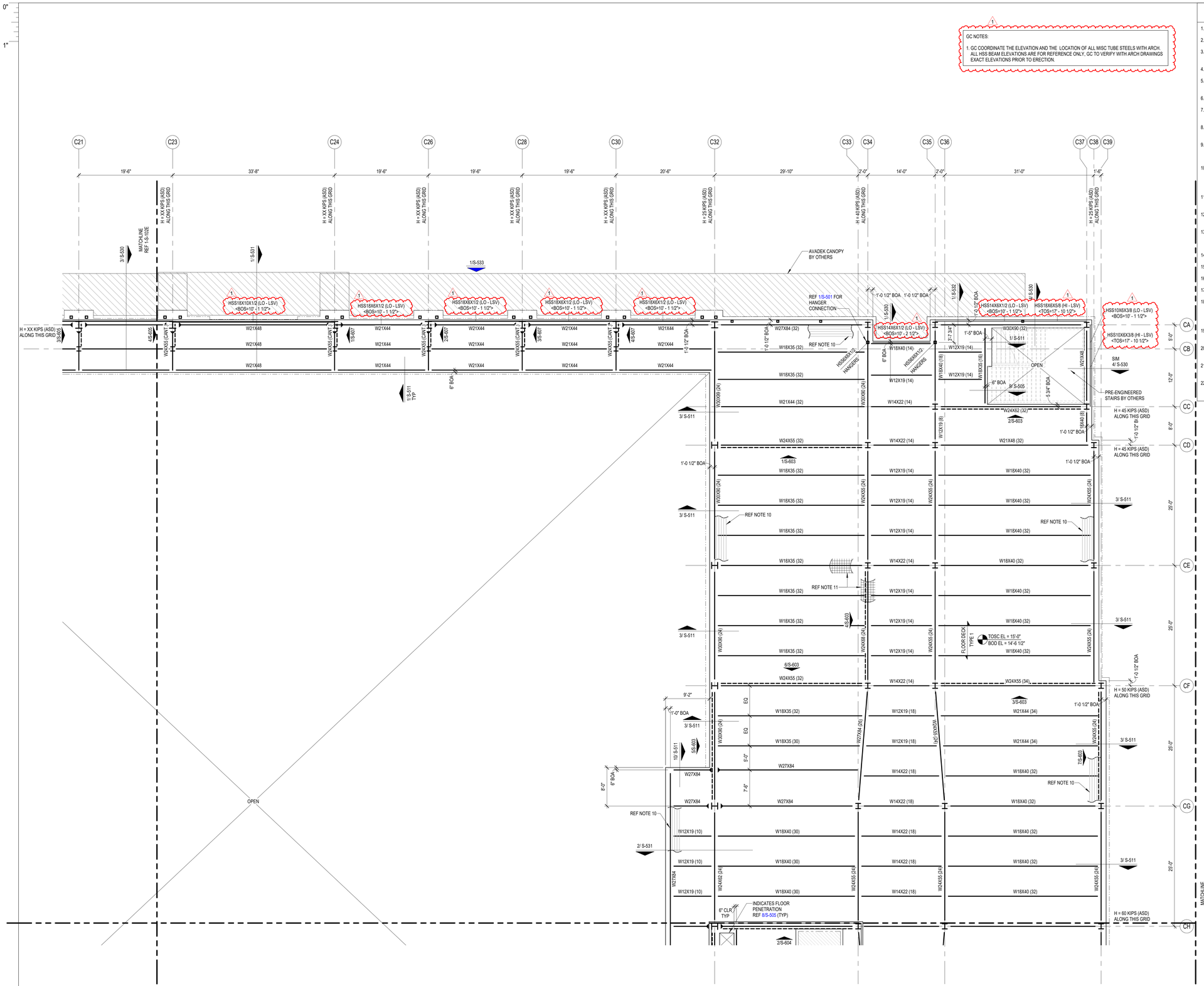
CHECKED BY: SI
DRAWN BY: CML

SECOND FLOOR FRAMING PLAN - AREA B

S-102B

Plot Stamp:
12/10/2025 4:15:28 PM

SECOND FLOOR FRAMING PLAN - AREA C
S-102C
FOR BLUEBEAM LABELING/DOOR:



COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504 .
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
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22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

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3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
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ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

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1/8" = 1'-0"

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ISSUE FOR PROPOSAL

Kubala ENGINEERS
www.kubalaengineers.com
TBPE/TBPLS FIRM # 20070
TX REG. NO. F-23612

Galena Park ISD
EXCELLENCE IN ALL TOGETHER

C

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
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CHECKED BY: SI
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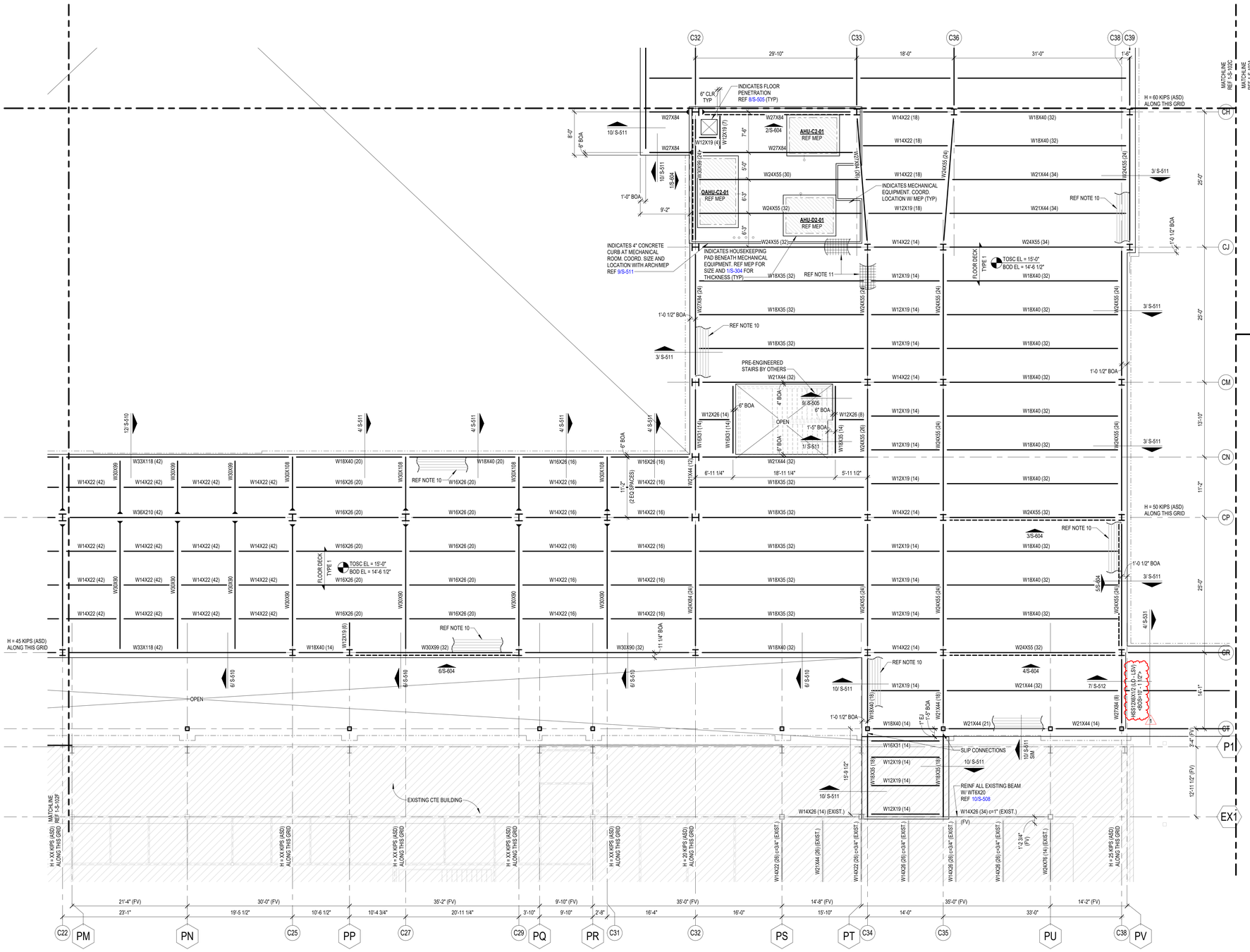
SECOND FLOOR FRAMING PLAN - AREA C

S-102C

Plot Stamp:
12/10/2025 4:15:32 PM

SECOND FLOOR FRAMING PLAN - AREA D
S-102D
FOR BLUEBEAM LABELING/DOOR:

0"
1"



COMPOSITE FLOOR PLAN NOTES

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COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

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1/8" = 1'-0"

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala ENGINEERS
www.kubalaengineers.com
713-621-5247
TX: REG. NO. F-23612

Galena Park ISD
BUILDING FOR TOMORROW

D

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

SECOND FLOOR FRAMING PLAN - AREA D

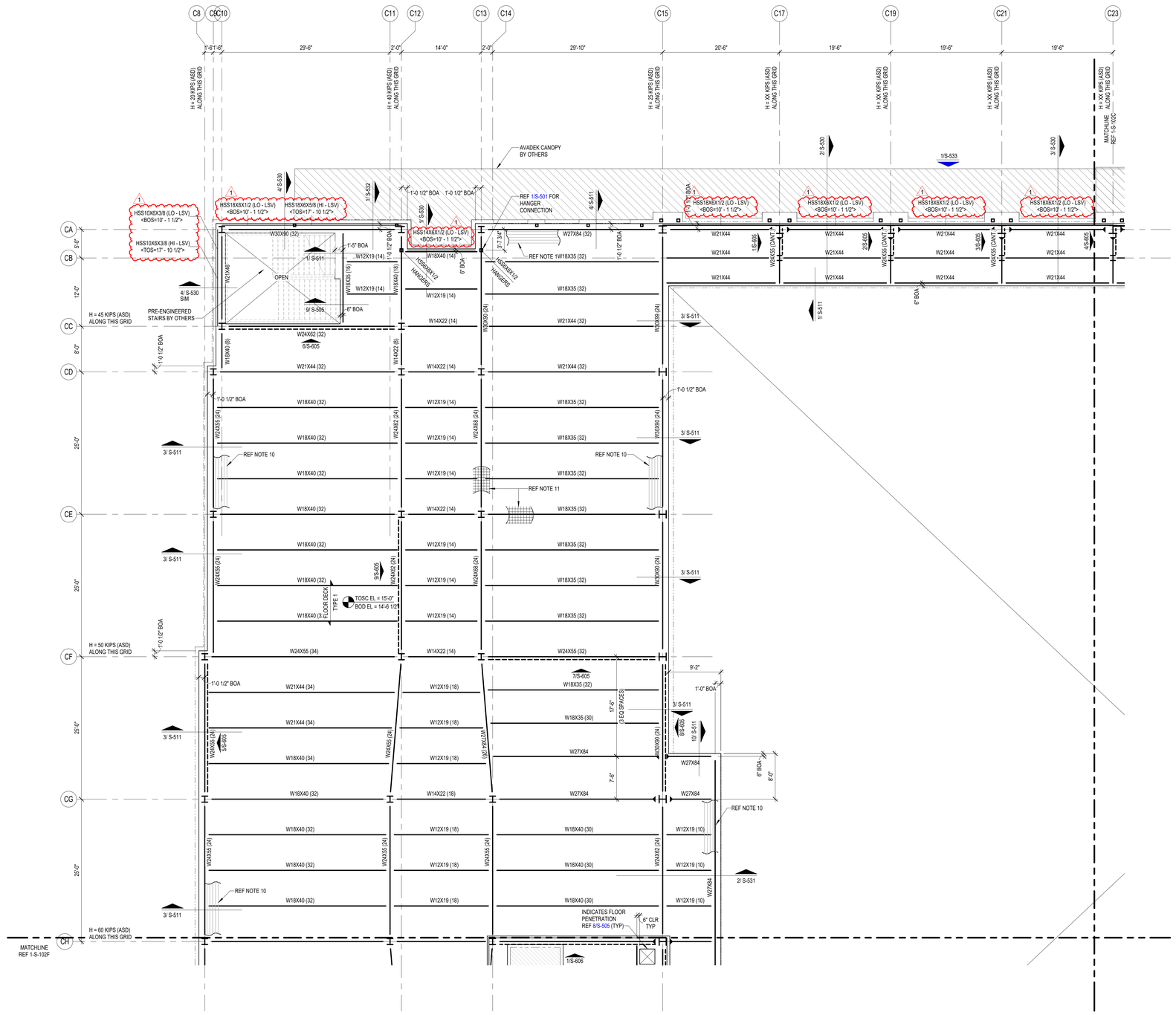
S-102D

Plot Stamp:
12/10/2025 4:15:36 PM

SECOND FLOOR FRAMING PLAN - AREA E
S-102E

FOR BLUEBEAM LABELING/DOOR:

0"
1"



COMPOSITE FLOOR PLAN NOTES

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COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

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1/8" = 1'-0"

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ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE ALL TOGETHER

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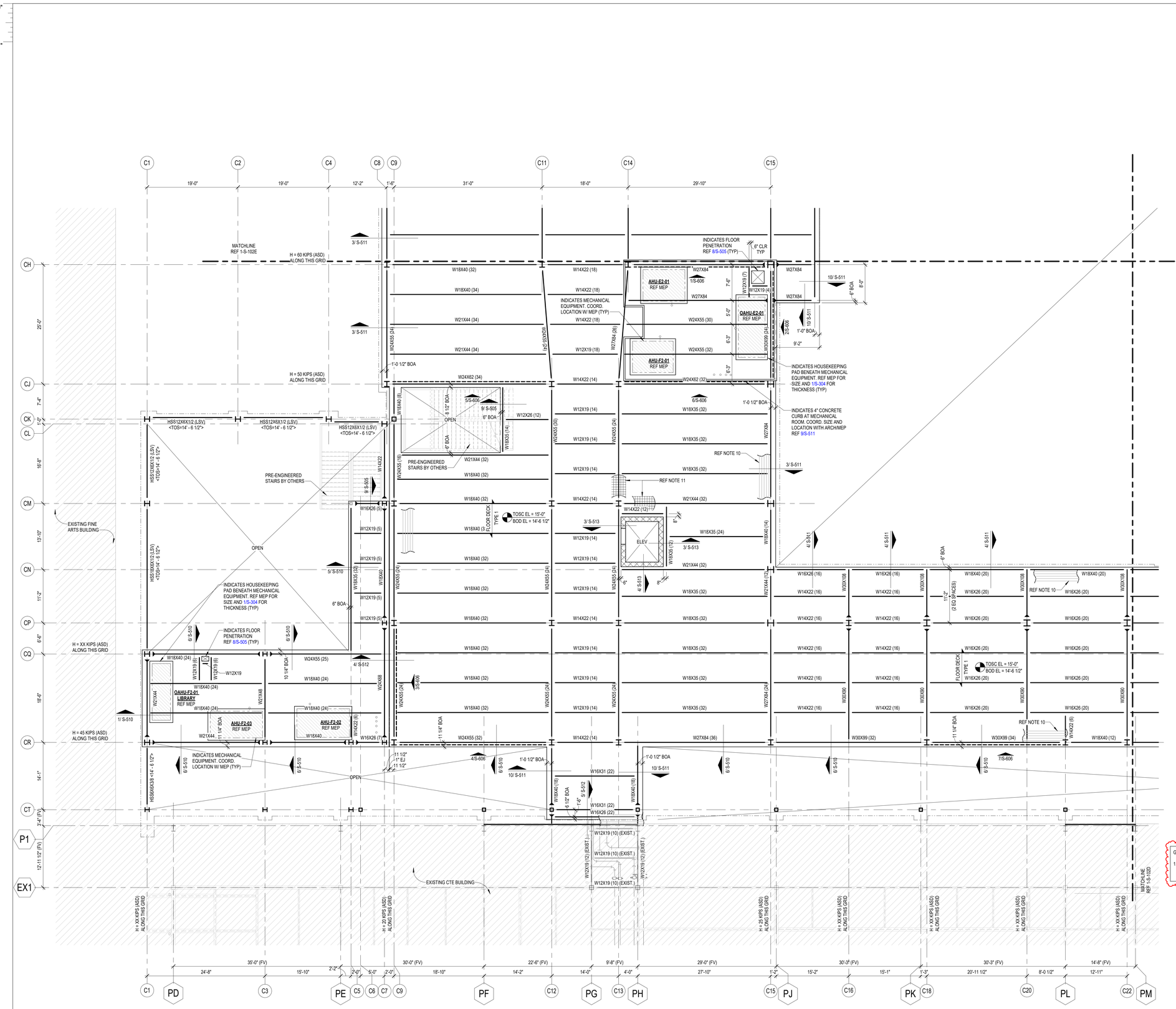
SECOND FLOOR FRAMING PLAN - AREA E

S-102E

Plot Stamp:
12/10/2025 4:15:40 PM

SECOND FLOOR FRAMING PLAN - AREA F
S-102F

FOR BLUEBEAM LABELING/DOOR:



1 SECOND FLOOR FRAMING PLAN - AREA F
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2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504 .
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
16. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. ⬚ - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED [DOG LEG DOWN], TYP.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2 REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

1
GC NOTES:
1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

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ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE IN ALL WE DO

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

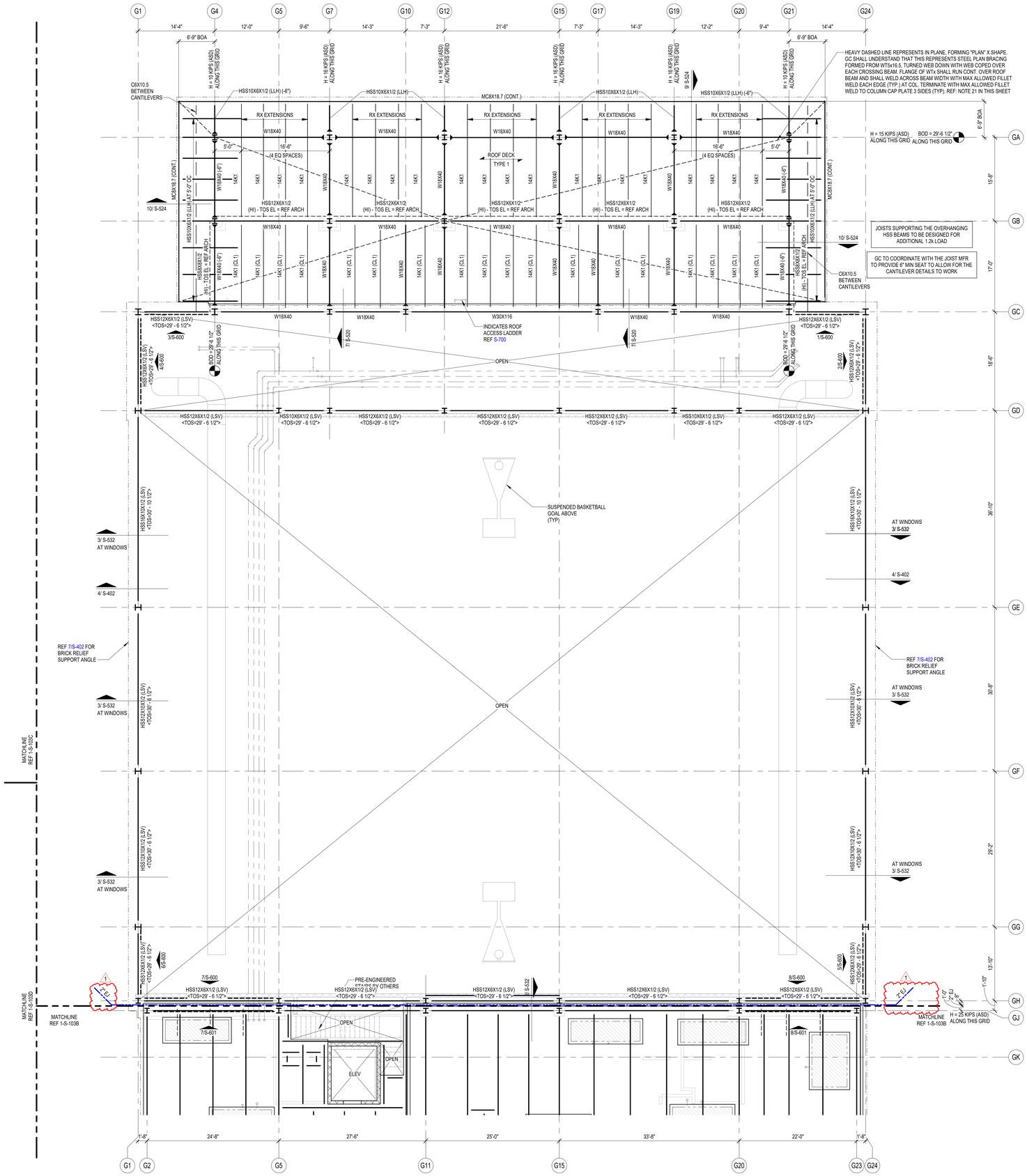
SECOND FLOOR FRAMING PLAN - AREA F

S-102F

Plot Stamp:
12/10/2025 4:15:44 PM

0"
1"

THIRD FLOOR LOW ROOF FRAMING PLAN - AREA A
S-103A
FOR BLUEBEAM LABELINGDOOR:



1 LOW ROOF FRAMING PLAN - AREA A
1/8" = 1'-0"

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. \/ \ - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 KLF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS,UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

1
GC NOTES:
1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

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ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE MAKES THE DIFFERENCE

A

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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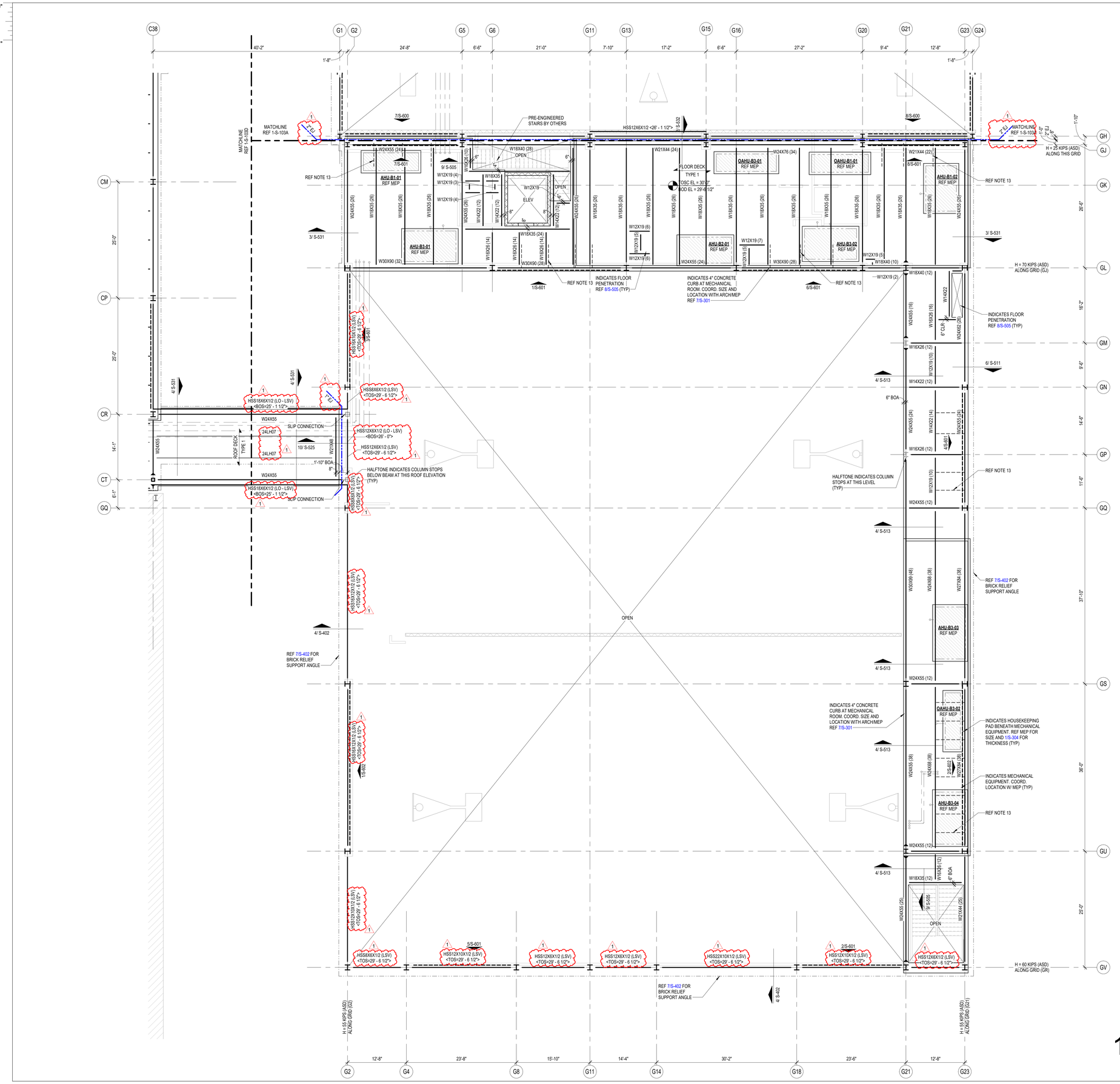
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DRAWN BY: CML

THIRD FLOOR LOW ROOF FRAMING PLAN - AREA A

S-103A

Plot Stamp:
12/10/2025 4:15:48 PM

THIRD FLOOR FRAMING PLAN - AREA B
S-103B
FOR BLUEBEAM LABELING/DOOR:



COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504 .
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
16. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. [CMU] - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT W75X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

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FLOOR DECK TYPE 2:
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METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
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GC NOTES:

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1 THIRD FLOOR FRAMING PLAN - AREA B
1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

B

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

THIRD FLOOR FRAMING PLAN - AREA B

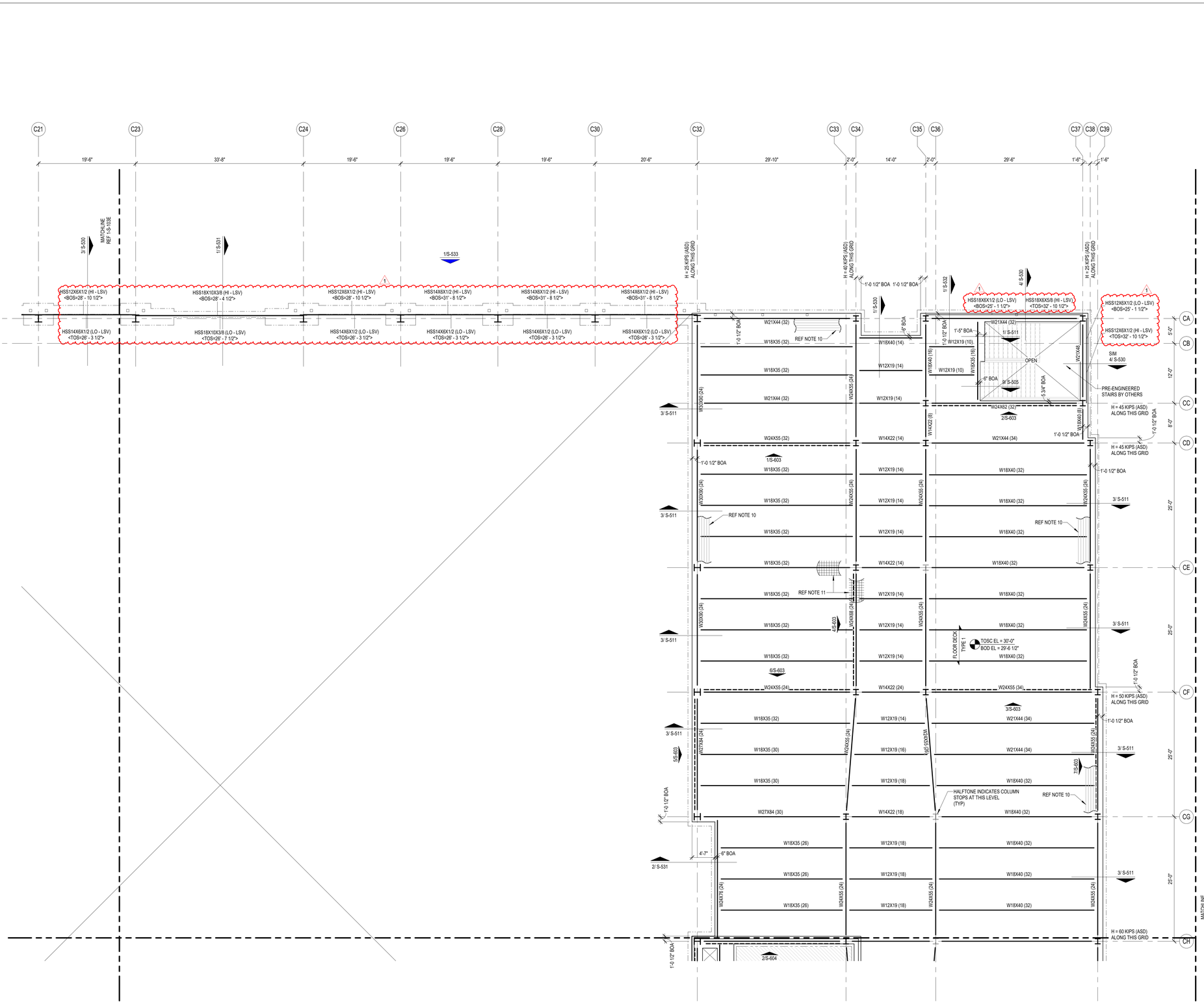
S-103B

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12/10/2025 4:15:51 PM

THIRD FLOOR FRAMING PLAN - AREA C

S-103C

FOR BLUEBEAM LABELING/DOOR:



COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
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7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504 .
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
16. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. [XXXX] - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT W75X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=X/X K (ASD)" IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=X/X K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

1

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

1 THIRD FLOOR FRAMING PLAN - AREA C
1/8" = 1'-0"

PBK
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TX FIRM: BR 1608
HOUSTON, TX
713-865-6008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keerie St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala ENGINEERS
www.kubalaengineers.com
TBPE #F-23612
TX REG: No.T-12812

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI

DRAWN BY: CML

THIRD FLOOR FRAMING PLAN - AREA C

S-103C

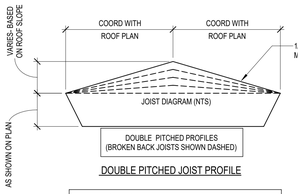
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12/10/2025 4:15:54 PM

THIRD FLOOR AND LOW ROOF FRAMING PLAN - AREA D

S-103D

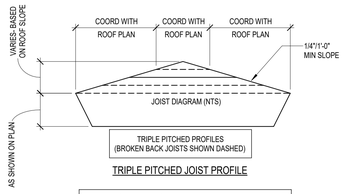
FOR BLUEBEAM LABEL/NOCOR:

0"
1"



DOUBLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.



TRIPLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 50 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

GC PLEASE NOTE:

1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402 THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— – – – ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. V - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 KLF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS,UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504.
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
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17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. [XXXX] - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

1

GC NOTES:

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1 THIRD FLOOR AND LOW ROOF FRAMING PLAN - AREA D
1/8" = 1'-0"

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713-965-0008

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala Engineers
F-23612

KEY PLAN

NORTH: PLAN TRUE

JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI

DRAWN BY: CML

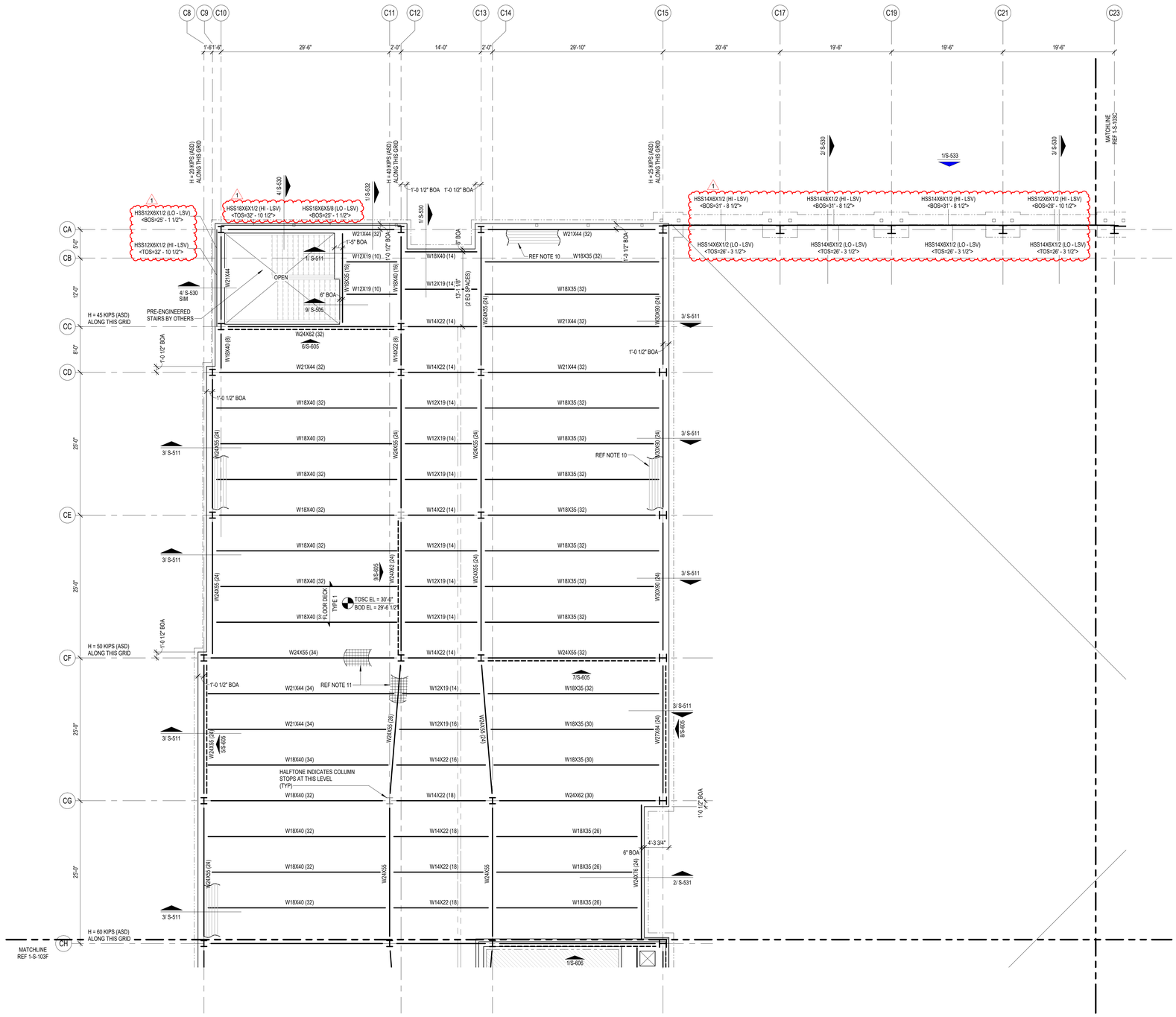
THIRD FLOOR AND LOW ROOF FRAMING PLAN - AREA D

S-103D

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12/10/2025 4:15:58 PM

THIRD FLOOR FRAMING PLAN - AREA E
S-103E

FOR BLUEBEAM LABELING/DOOR:



COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
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11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
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19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=X/X K (ASD)" IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=X/X K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

1

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

1 THIRD FLOOR FRAMING PLAN - AREA E
1/8" = 1'-0"

PBK
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TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

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TBPE REG. NO. F-23612
TEL 832.541.1567 / 2812

Galena Park ISD

E

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI

DRAWN BY: CML

THIRD FLOOR FRAMING PLAN - AREA E

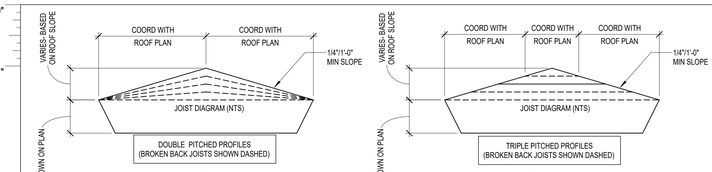
S-103E

Plot Stamp:
12/10/2025 4:16:00 PM

THIRD FLOOR AND LOW ROOF FRAMING PLAN - AREA F

S-103F

FOR BLUEBEAM LABEL/INDOOR:



DOUBLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

TRIPLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 50 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

GC PLEASE NOTE:

1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE. HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402 THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. ⋁ - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 KLF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504.
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
16. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. XXXX - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

1

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

1 THIRD FLOOR AND LOW ROOF FRAMING PLAN - AREA F
1/8" = 1'-0"

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TX FIRM: BR 1608

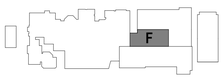
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TEL 832.651.1567 ©2012

Galena Park ISD



KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED
PROFESSIONAL
ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI

DRAWN BY: CML

THIRD FLOOR AND LOW ROOF FRAMING PLAN - AREA F

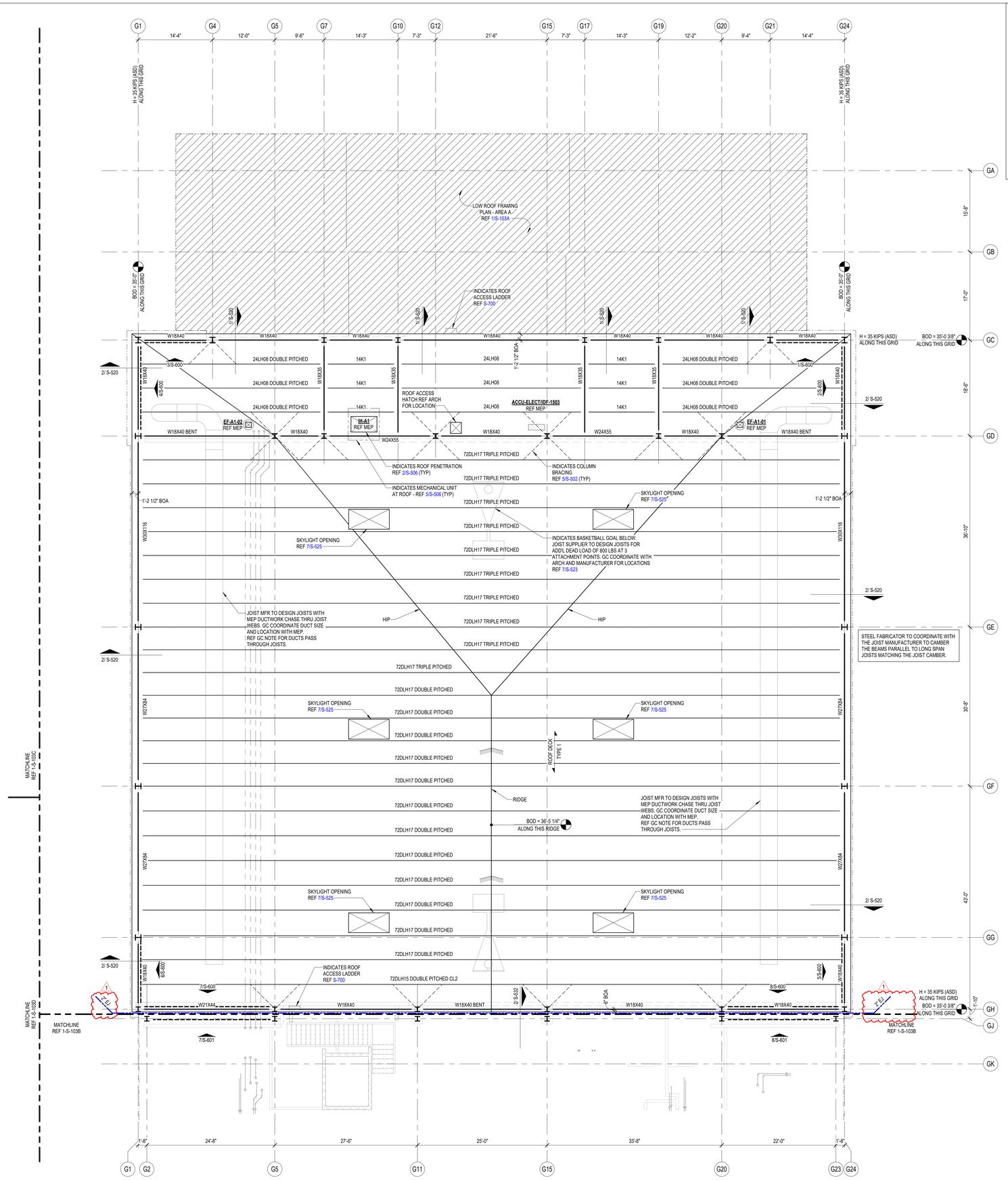
S-103F

Plot Stamp:
12/10/2025 4:16:04 PM

GYM LOW ROOF FRAMING PLAN - AREA A
S-104A

FOR BLUEBEAM LABELING/OCR:

0"
1"



GC PLEASE NOTE:

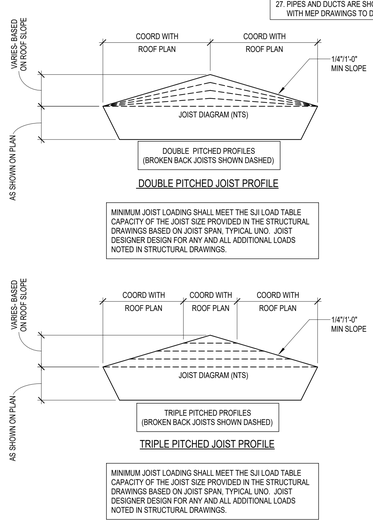
1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402. THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION. TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. \ / - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADDTL DL= 2.0 K (PERP.) OR DL= 0.5 KLF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.



COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2 REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

1 GYM ROOF FRAMING PLAN - AREA A
1/8" = 1'-0"

PBK
www.pbk.com
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HOUSTON, TX
713-865-6008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala Engineers
ENGINEERS
www.kubalaengineers.com
TEL 832.831.1067 © 2021

A

KEY PLAN
NORTH: PLAN TRUE

JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

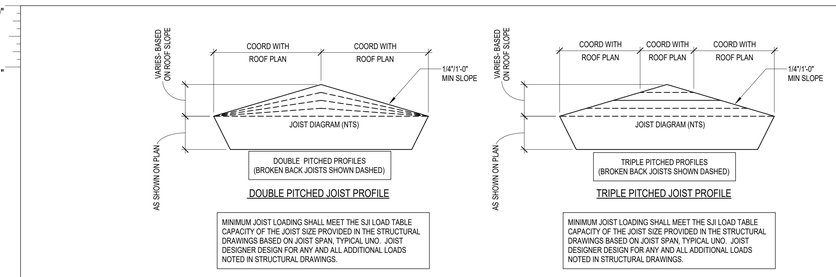
GYM LOW ROOF FRAMING PLAN - AREA A

S-104A

Plot Stamp:
12/10/2025 4:16:07 PM

CLASSROOM LOW ROOF FRAMING PLAN - AREA C
S-104C

FOR BLUEBEAM LABELING/OCR:



DOUBLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

TRIPLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX.K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX.K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

GC PLEASE NOTE:

1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402 THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL CHORDS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 K/LF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS,UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2 REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

1 CLASSROOM LOW ROOF FRAMING PLAN - AREA C
1/8" = 1'-0"

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-6008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)
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ISSUE FOR PROPOSAL

Kubala ENGINEERS
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TBPE/TBPELS F-23612
TX: 469.261.1907 / 2951

Galena Park ISD

C

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

CLASSROOM LOW ROOF FRAMING PLAN - AREA C

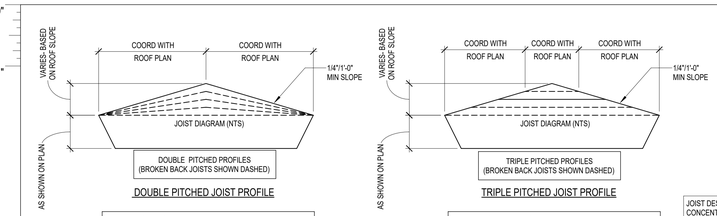
S-104C

Plot Stamp:
12/10/2025 4:16:09 PM

CLASSROOM LOW ROOF AND FLOOR FRAMING PLAN - AREA D

S-104D

FOR BLUEBEAM LABELINGOOR:



DOUBLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

TRIPLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 50 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

GC PLEASE NOTE:

1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE. HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE. HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402 THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SL.ABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

ROOF PLAN NOTES

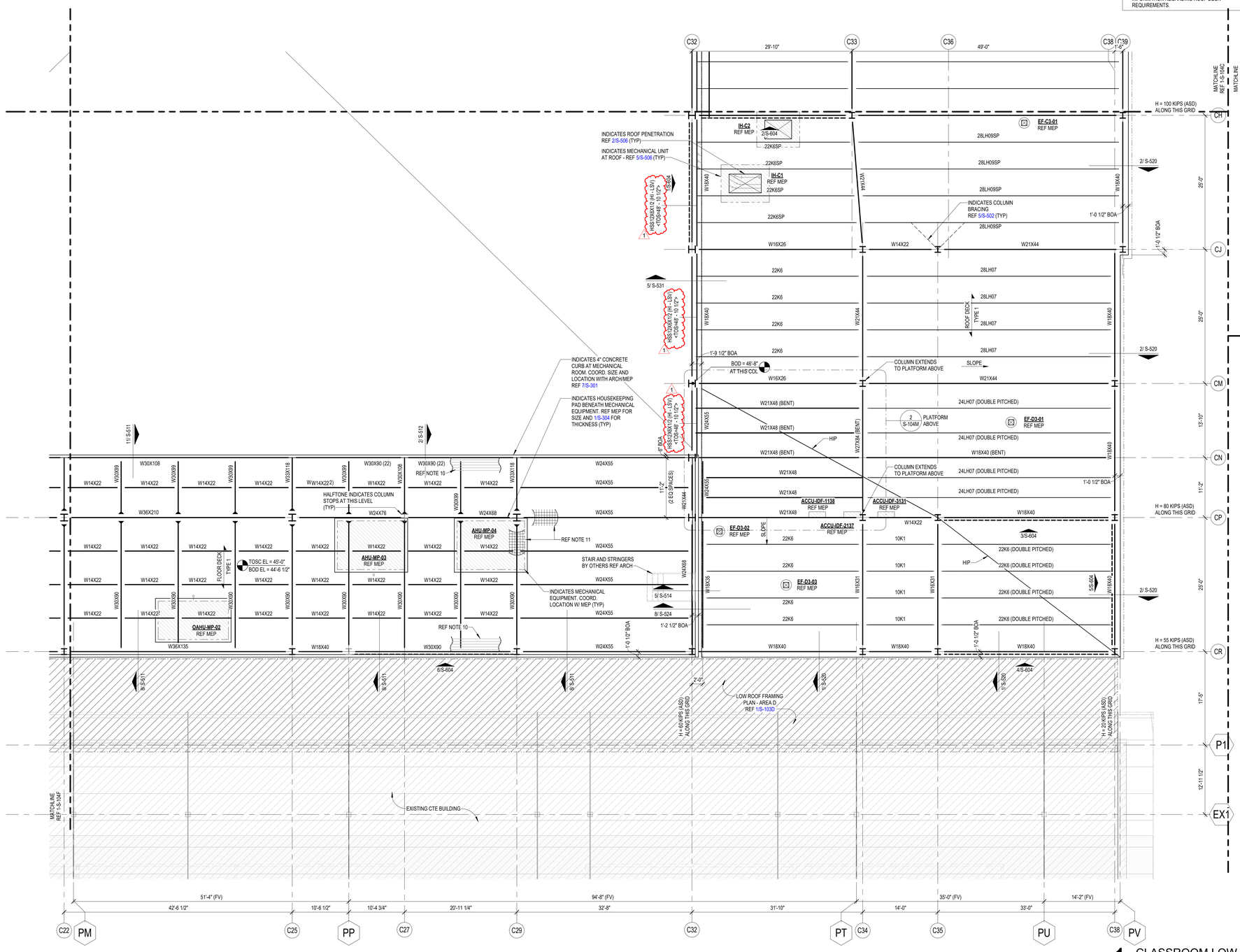
1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— – – – ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 K/LF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS,UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504.
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505 TYP ALONG ENTIRE GRID;AT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
16. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. XXXX - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.



1 CLASSROOM LOW ROOF AND FLOOR FRAMING PLAN - AREA D
1/8" = 1'-0"

PBK

www.pbk.com

TX FIRM: BR 1608

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL



KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: SI

DRAWN BY: CML

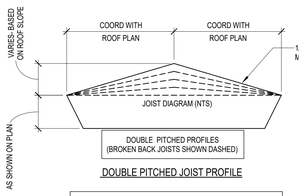
CLASSROOM LOW ROOF AND FLOOR FRAMING PLAN - AREA D

S-104D

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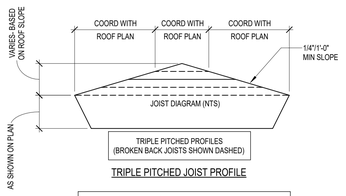
CLASSROOM LOW ROOF FRAMING PLAN - AREA E
S-104E

FOR BLUEBEAM LABEL/INDOOR:



DOUBLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.



TRIPLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

GC PLEASE NOTE:

1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 35'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402 THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
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12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
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14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. ⋁ - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 KLF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS,UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2 REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

1 CLASSROOM LOW ROOF FRAMING PLAN - AREA E
1/8" = 1'-0"

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-6008

Kubala ENGINEERS
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713-465-5683
TX REG: No F-23612

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN

NORTH: PLAN ≈ TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT: Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI

DRAWN BY: CML

CLASSROOM LOW ROOF FRAMING PLAN - AREA E

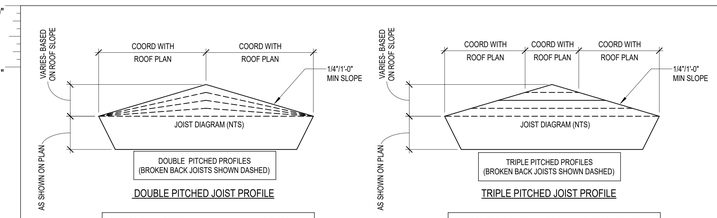
S-104E

Plot Stamp:
12/10/2025 4:16:15 PM

CLASSROOM LOW ROOF AND FLOOR FRAMING PLAN - AREA F

S-104F

FOR BLUEBEAM LABEL/INDOOR:



DOUBLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

TRIPLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 50 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

GC PLEASE NOTE:

1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE. HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402 THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2. REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. ⟋⟍ - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 KLF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0"
3. STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
4. COMPOSITE BEAM CONSTRUCTION IS UNSHORED.
5. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
6. TOS EL = BOTTOM OF DECK.
7. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
8. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
9. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
10. PROVIDE ADDITIONAL (5) - #5 CONT. BARS IN COMPOSITE SLAB ALONG FULL PERIMETER OF SLAB AND AROUND OPENINGS. EXTEND BARS 10'-0" PAST CORNERS OF OPENINGS. PROVIDE STD HOOK AT TERMINATION ENDS. ALL LAPS IN REINFORCING SHALL BE WITH MECHANICAL COUPLERS OR 20'-0" LAP SPLICE (TYP). REFER TO DETAIL 1/S-504.
11. PROVIDE 6'-0" WIDE EXTRA LAYER OF WWF AT 3/4" CLR. FROM TOSC OVER EVERY SINGLE BEAM THAT RUNS BETWEEN COLUMNS IN ADDITION TO EVERY GIRDER BEAM (TYP).
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 2/S-505TYP ALONG ENTIRE GRIDAT ALL BRACE FRAMES. AT LOCATIONS WHERE BEAM SPACING EXCEEDS 4'-0" OC REF 1/S-505 .
14. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS.
15. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
16. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
17. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
18. ⟋⟍ - ALL CMU SHOWN ON PLAN ARE PART OF THE STRUCTURAL LATERAL FORCE RESISTING SYSTEM AND SUPPORTS GRAVITY LOADS. NON-STRUCTURAL CMU EXISTS IN OTHER LOCATION (REF ARCH DWGS). A 3/8" VERT CONTROL JOINT SHALL BE PROVIDED WHEREVER STRUCTURAL AND NON-STRUCTURAL CMU ABUT.
19. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
20. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. REF DETAIL 1/S-509 .
21. REF DETAIL 5/S-513 FOR ADDITIONAL REINF UNDER INTERIOR CMU WALLS PARALLEL TO DECK SPAN. GC TO COORDINATE THE LOCATION OF ALL CMU WALLS WITH ARCH DRAWINGS.
22. PROVIDE MISC. STEEL PER 12/S-501ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.

1

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

1 CLASSROOM LOW ROOF AND FLOOR FRAMING PLAN - AREA F
1/8" = 1'-0"

PBK

www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-965-0008

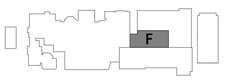
PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala Engineers
www.kubalaengineers.com
TBPE/TBPLS Firm #10193973
TEL 832.661.1200

KEY PLAN



NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI

DRAWN BY: CML

CLASSROOM LOW ROOF AND FLOOR FRAMING PLAN - AREA F

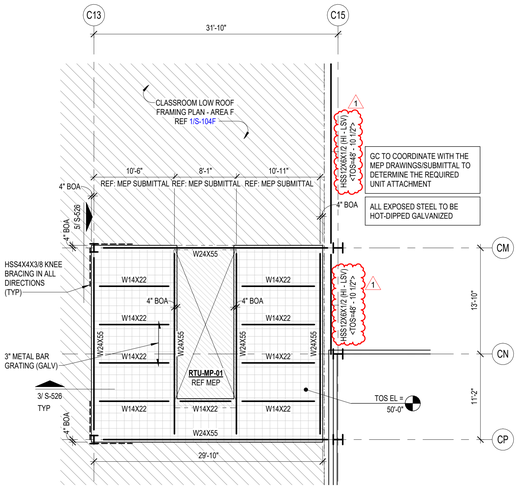
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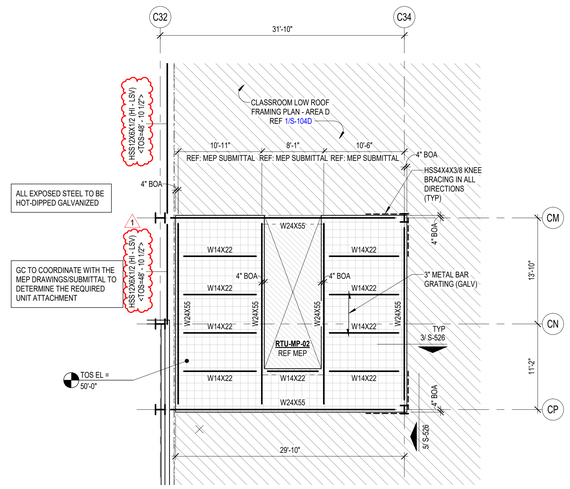
0"

1"

MISC FRAMING PLANS
S-104M
FOR BLUEBEAM LABELINGDOOR:



1 CLASSROOM ROOF PLATFORM - AREA F
1/8" = 1'-0"



2 CLASSROOM ROOF PLATFORM - AREA D
1/8" = 1'-0"

GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H+XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H+X/X K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.

GC PLEASE NOTE:

1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4X4X1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP.).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402 THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN. REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. \ / - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 K/LF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS,UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2 REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

1

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-965-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala ENGINEERS
www.kubalaengineers.com
713-467-1447

Galena Park ISD



KEY PLAN
NORTH: PLAN = TRUE



CLIENT	
Galena Park ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

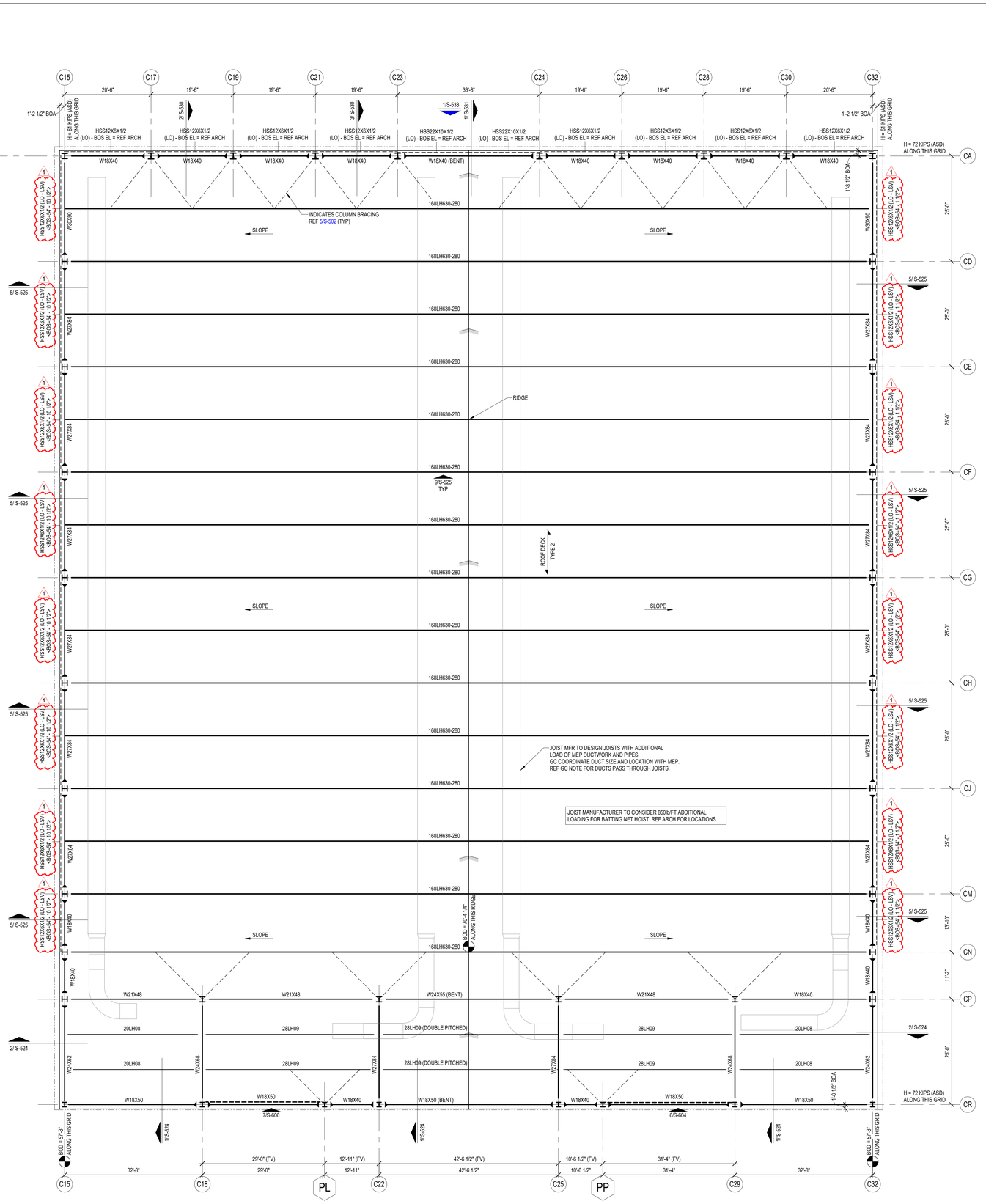
MISC FRAMING PLANS

S-104M

Plot Stamp:
12/10/2025 4:16:19 PM

CLASSROOM HIGH ROOF FRAMING PLAN - AREA G
S-105G

FOR BLUEBEAM LABELING/OCR:



1 CLASSROOM HIGH ROOF FRAMING PLAN - AREA G
3/32" = 1'-0"

GC PLEASE NOTE:

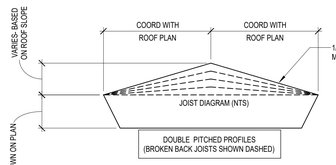
1. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE BEAMS, GIRDERS, AND PURLINS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE BENT AND HAVE FULL CAPACITY MOMENT CONNECTIONS AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A GIRDER BEAM OR PURLIN BEAM PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH A PURLIN OR MAIN GIRDER BEAM. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ACCOUNT FOR THE FULL NUMBER OF ADDED MOMENT CONNECTIONS REQUIRED TO CREATE THE ROOF DECK SLOPES NEEDED FOR PROPER DRAINAGE.
2. FOR THE BASE BID OF THIS PROJECT, THE GC SHALL ACCOUNT FOR 100% OF THE JOISTS, CROSSING A HIP, VALLEY, AND RIDGE ROOF LINES TO BE DOUBLE OR TRIPLE PITCHED AS NEEDED AT EACH LOCATION. CHANGES IN ROOF DECK SLOPE LOCATIONS ARE DEFINED AS WHEN A JOIST PASSES THROUGH A RIDGE LINE, HIP LINE, OR VALLEY LINE. THE BEND LOCATIONS VARY BASED ON WHERE THE ROOF DECK SLOPE CHANGE INTERSECTS WITH JOIST. THE GC MUST COORDINATE WITH ROOF FRAMING PLANS AND ARCHITECTURAL DRAWINGS.
3. GC TO PROVIDE CONT 4XX1/4 THICK BENT PLATE ALONG THE RIDGE, HIP, AND VALLEY LINES TO SUPPORT DECKING AT WRAP (TYP).
4. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A BRICK RELIEF ANGLE AT ANY POINT WHERE THE BRICK EXTENDS BEYOND THE ELEVATION OF 30'-0" AND IS SUPPORTED BY A CONCRETE MASONRY UNIT (CMU) BACKUP. PLEASE REFER TO DETAIL 7/S-402. THE BRICK RELIEF ANGLE SHOULD BE INSTALLED AT THE SECOND AND THIRD FLOORS WITHIN THE CLASSROOM AREAS AND ROTUNDA AS INDICATED IN COMPOSITE DETAILS AND SECTION CUTS ON PLANS.

JOIST DESIGNATIONS, SHOWN ON THE FRAMING PLANS, FOLLOWED BY THE DESIGNATION "CL" SUPPORT A CONCENTRATED DEAD LOAD. THE JOIST SIZES DESIGNATED ON THE FRAMING PLANS DO NOT TAKE INTO ACCOUNT THIS CONCENTRATED DEAD LOAD. THE JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS TO SUPPORT THIS CONCENTRATED DEAD LOAD IN ADDITION TO THE TOTAL LOAD CAPACITY PROVIDED IN THE SJI LOAD TABLES FOR THE JOISTS SPECIFIED ON THE FRAMING PLANS. JOISTS SUPPORTING THESE CONCENTRATED DEAD LOADS SHALL BE FABRICATED SYMMETRICALLY ABOUT THEIR CENTERLINE. DESIGN JOISTS FOR THE FOLLOWING "CL" DESIGNATIONS WHERE SHOWN ON THE FRAMING PLANS:

1. CL1 - 750 POUNDS LOCATED 1'-6" FROM THE FACE OF THE SUPPORTING PANEL ADJACENT TO HIGH ROOF.
2. CL2 - 250 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
3. CL3 - 450 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.
4. CL4 - 700 POUNDS LOCATED 1'-6" FROM THE CENTERLINE OF THE SUPPORTING STEEL BEAM.

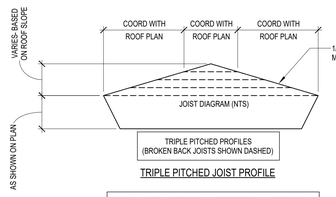
GC PLEASE NOTE:

WHERE HORIZONTAL H WIND FORCES ARE INDICATED ON THE STRUCTURAL PLANS AS "H=XX K (ASD)," IN CONJUNCTION WITH BRACE FRAMES, THE GENERAL CONTRACTOR IS REQUIRED TO ASSUME AN H LOAD OF 80 KIPS (ASD) ALONG THE ENTIRE GRID LINE OF BRACE FRAMES AT THE SECOND FLOORS, THIRD FLOORS, AND MEZZANINES. ADDITIONALLY, FOR HORIZONTAL H WIND FORCES INDICATED AS "H=XX K (ASD)" IN CONJUNCTION WITH BRACE FRAMES AT THE ROOFS, THE GENERAL CONTRACTOR SHOULD ASSUME AN H LOAD OF 65 KIPS (ASD) ALONG THE ENTIRE GRID LINE. THE GC HOLDS THE RESPONSIBILITY FOR DESIGNING CONNECTIONS THAT CAN ACCOMMODATE THESE SPECIFIED LOAD ASSUMPTIONS. FOR FURTHER GUIDANCE ON CONNECTION DESIGN, PLEASE REFER TO CONNECTION GENERAL NOTE SHEET S-500. TYP ALL AREAS.



DOUBLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.



TRIPLE PITCHED JOIST PROFILE

MINIMUM JOIST LOADING SHALL MEET THE SJI LOAD TABLE CAPACITY OF THE JOIST SIZE PROVIDED IN THE STRUCTURAL DRAWINGS BASED ON JOIST SPAN, TYPICAL UNO. JOIST DESIGNER DESIGN FOR ANY AND ALL ADDITIONAL LOADS NOTED IN STRUCTURAL DRAWINGS.

ROOF PLAN NOTES

1. REF PLAN FOR TOP OF SLAB ELEVATION.
2. ALL ELEVATIONS ARE BASED ON TOSC EL = 0'-0".
3. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. REF ELEVATIONS NOTED ON PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.
4. JOIST MFR NOTE:
   BRIDGING NOT SHOWN ON PLAN. MANUFACTURER SHALL PROVIDE STANDARD BRIDGING COMPLYING WITH SJI SPECIFICATIONS OF LATEST ADOPTION, TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ADJACENT JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRIDGING IS CONTINUOUS.
5. REFER TO THE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
6. REF ARCH FOR TOP OF WALL ELEVATIONS.
7. DETAILING OF ALL MEMBER CONNECTIONS TO THE SUPPORTS SHALL BE PERFORMED TO SATISFY LATEST OSHA ERECTION REQUIREMENTS.
8. TOS EL = BOTTOM OF DECK.
9. UNLESS SHOWN OTHERWISE, STEEL BEAMS OR JOISTS ARE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES.
10. ALL STRUCTURAL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
11. GC COORDINATE ALL PENETRATIONS AND UNDERGROUND UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL SLAB EDGE DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
13. INDICATES WIND BRACE BEAM BOTTOM FLANGE BRACING PER 4/S-508 . PROVIDE BFB ALONG THE ENTIRE GRID LINE WHERE A BRACE IS PRESENT IN AT LEAST ONE BAY. THIS INCLUDES THE BRACED FRAME BAY AS WELL AS ALL OTHER BAYS ALONG THAT GRID LINE WHERE A BRACE IS LOCATED. NOT ALL DASHED LINES ARE SHOWN ON THE PLAN FOR CLARITY.
14. REF DETAIL 5/S-507 WHERE ROOF TOP EQUIPMENT REQUIRES A STRUCTURAL CURB. JOISTS THAT ARE SUPPORTING ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED DEAD LOAD (AS SHOWN ON PLAN AT ANY POINT ALONG JOIST SPAN). GC SHALL COORDINATE WITH MEP, ARCHITECTURE AND EQUIPMENT CUTSHEETS FOR FINAL WEIGHT, DIMENSIONS, LOCATION, ETC.
15. ——— - - - ——— INDICATES PIPING RUN, REF MEP DRAWINGS; GC SHALL COORDINATE GIVEN LOAD WITH JOIST MANUFACTURER. REF SHEET S-011.
16. REF S0.XX SERIES DRAWINGS FOR GENERAL NOTES AND TYP DETAILS
17. REF S4.XX SERIES DRAWINGS FOR CMU DETAILS.
18. REF S5.XX SERIES DRAWINGS FOR STEEL FRAMING DETAILS.
19. REF S6.XX SERIES DRAWINGS FOR STEEL BRACE ELEVATIONS AND DETAILS.
20. \/ - INDICATES COLUMN BRACING PER 5/S-502. TYPICAL AT COLUMNS UNBRACED BY FRAMING MEMBER ABOUT THEIR LOCAL AXIS. NOT ALL SHOWN ON PLAN FOR MORE CLARITY.
21. INDICATES PLAN DIAGONAL STRUT WT5X15. COPE WEB AT BEAMS AND OVERLAP FLANGE 4". WELD TO TOP FLANGE AND COLUMNS WITH 5/16" FILLET WELD 3-SIDES (TYP.)
22. UPLIFT X-BRIDGING NOT SHOWN ON PLANS FOR CLARITY. GC SHALL PROVIDE X-BRIDGING BETWEEN ADJACENT WF BEAMS AT ROOF PER DETAIL 3/S-507.
23. GC SHALL COORDINATE LOCATION OF FOLDING PARTITIONS WITH ARCH DRAWINGS. JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR ADD'L DL= 2.0 K (PERP.) OR DL= 0.5 KLF (PARALLEL) (DEF. FROM DL SHALL NOT EXCEED 3/8"). END JOISTS ABOVE FOLDING PARTITION SHALL BE DESIGNED FOR STACKED END LOAD EQUAL TO 9000 POUNDS FOR BOTH ENDS (DEF. FROM DL SHALL NOT EXCEED 3/8"). REF DETAIL 1/S-509.
24. PROVIDE MISC. STEEL PER 12/S-501 ABOVE AND BELOW ANY WINDOW THAT DOES NOT ALIGN WITH THE BACK-UP, UNO, TYP. LOOSE LINTELS REQUIRED BELOW WINDOW SHALL BE INVERTED (DOG LEG DOWN), TYP.
25. ALL JOISTS LOCATED BENEATH ROOFTOP UNITS AND THE ADJACENT JOISTS ON EACH SIDE THAT ARE NOT ENTIRELY POSITIONED UNDER THE ROOFTOP UNIT MUST BE DESIGNED TO SUPPORT A DEAD LOAD OF 2.0 KIPS,UNO ON PLANS. GC MUST COORD LOCATION OF RTUS WITH MEP DRAWINGS.
26. WHERE K-JOISTS AND LH-JOISTS BE . . . ON THE SAME BEAM, K-JOISTS SEAT TO MATCH LH-JOIST SEAT
27. PIPES AND DUCTS ARE SHOWN GRAPHICALLY FOR REFERENCE ONLY. GC TO COORDINATE WITH MEP DRAWINGS TO DETERMINE THE EXACT LOCATION AND LAYOUT.

COMPOSITE FLOOR DECK AND METAL ROOF DECK LEGEND

COMPOSITE FLOOR DECK TYPES

FLOOR DECK TYPE 1:
3 1/2" NWC ON 2" VLI 18 GA (GALV) (G90) COMPOSITE STEEL DECK (5 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

FLOOR DECK TYPE 2:
4 1/2" NWC ON 3.0 VLI 20 GA (GALV) (G90) COMPOSITE STEEL DECK (7 1/2" TOTAL SLAB THICKNESS). COMPOSITE SLAB SHALL BE REINFORCED WITH WWR 6x6-W2.9xW2.9, U.N.O.

METAL ROOF DECK TYPES

ROOF DECK TYPE 1:
1.0 CSV 20 GA (GALV.) (G90) VENTED MTL DECK.

ROOF DECK TYPE 2:
3PLN-32 DECK 20GA (GALV) (G90) MTL DECK

NOTES:

1. STEEL DECK SHALL BE PLACED WITH TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER-OF-RECORD.
2. REF SLABS FORM DECK (AT FLOORS) GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-504 FOR MORE INFORMATION REGARDING FLOOR DECK REQUIREMENTS.
2 REF METAL ROOF DECKING GENERAL NOTES AND METAL DECK SCHEDULE ON SHEET S-506 FOR MORE INFORMATION REGARDING ROOF DECK REQUIREMENTS.

1

GC NOTES:

1. GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH. ALL HSS BEAM ELEVATIONS ARE FOR REFERENCE ONLY, GC TO VERIFY WITH ARCH DRAWINGS EXACT ELEVATIONS PRIOR TO ERECTION.

PBK
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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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ISSUE FOR PROPOSAL

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Galena Park ISD
EXCELLENCE IN EVERY DETAIL



KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

CLASSROOM HIGH ROOF FRAMING PLAN - AREA G

S-105G

Plot Stamp:
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GENERAL FOUNDATION NOTES AND TYP DETAILS

S-303

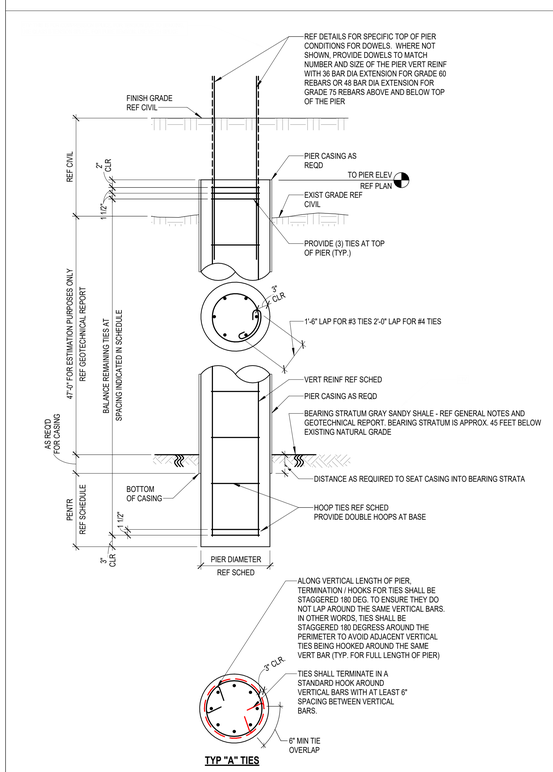
FOR BLUEBEAM LABEL/INDOOR:

0"

1"

STRAIGHT SHAFT PIERS:

1. PIER DESIGN IS BASED UPON THE FOLLOWING CRITERIA. REFER TO TYPICAL PIER DETAIL FOR PIER SCHEDULE AND REINFORCING.
   - A. ALLOWABLE END BEARING PRESSURE..... 7,500 PSF
   - B. SIDE FRICTION RESISTANCE..... 300 PSF FOR 8FT TO 13FT, 400 PSF FOR 13FT TO 40FT AND 600 PSF FOR 40FT TO 50FT
   - C. SIDE FRICTION (UPLIFT RESISTANCE)..... X.X PSF
   - D. UPLIFT PRESSURE (FROM SOIL)..... X.X PSF
   - E. MINIMUM PENETRATION INTO BEARING STRATUM..... X.X FT
   - F. BEARING STRATUM..... 50.0 FT
2. UNLESS NOTED OTHERWISE BY THE OWNER OR ARCHITECT, THE GENERAL CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER OR OTHER AUTHORIZED INSPECTOR DURING EARTHWORK OPERATIONS, AND KEEP A COMPETENT TRAINED TECHNICIAN ASSIGNED TO THE PROJECT ON SITE DURING OPERATIONS. SERVICES PROVIDED SHALL INCLUDE:
   - A. OBSERVING THE BOTTOM OF SHAFT FOR CLEANLINESS.
   - B. PROPER BEARING MATERIAL SHALL BE VERIFIED BEFORE CONCRETE POURING OCCURS. THE TOP ELEVATION OF PIERS IS SHOWN ON THE DRAWINGS. THE ACTUAL BEARING ELEVATION MAY VARY AS REQUIRED TO PROVIDE PROPER CAPACITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER OF RECORD.
   - C. CHECKING SHAFT FOR CONFORMANCE TO REQUIRED TOLERANCES. FOOTINGS SHALL BE WITHIN 3" OF THEIR REQUIRED LOCATIONS AND SHAFTS SHALL NOT BE OUT OF PLUMB BY MORE THAN 2 PERCENT OF THE SHAFT LENGTH. CHECK THAT THE BELL IS CONCENTRIC WITH THE SHAFT.
3. ENSURE THAT ALL SPOILS FROM THE DRILLED PIER EXCAVATIONS ARE REMOVED FROM THE BUILDING PAD AND THAT THE PAD IS MOISTURE CONDITIONED AND RECOMPACTED AS SPECIFIED.
4. ESTABLISH TOP OF FOOTINGS/PIERS AT ELEVATIONS SHOWN ON PLANS. IF FIELD CONDITIONS REQUIRE CHANGES TO REACH THE DESIRED STRATUM, ADJUSTMENTS TO CONTRACT ARE TO BE MADE ON A UNIT PRICE BASIS. CONTRACTOR SHALL PROVIDE UNIT PRICE ADD AND DEDUCT FOR EACH PIER SIZE ON THE PROJECT.
5. PIER CONSTRUCTION AND CONCRETING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND AS PER THE LATEST VERSION OF ACI 336. DRILLED HOLES ARE TO BE EXCAVATED, CLEANED, REINFORCED, AND FILLED WITH CONCRETE DURING THE SAME DAY. NO HOLE IS TO BE LEFT OPEN OVERNIGHT. PUMP ANY ACCUMULATED WATER FROM THE PIER HOLES PRIOR TO CONCRETE PLACEMENT. REFER TO THE GEOTECHNICAL REPORT FOR CASING REQUIREMENTS.
6. REINFORCING CAGE SHALL BE HELD SECURELY AWAY FROM EARTH AT SIDES AND BOTTOM BY SETS OF 3 OR MORE SPACERS AT A MAXIMUM SPACING OF 5 FEET ALONG THE LENGTH OF THE CAGE AND 1 FOOT FROM THE BOTTOM.
7. THE CONTRACTOR SHALL VERIFY DEPTHS OF PIERS BEFORE PIER STEEL IS CUT. PIER STEEL MAY BE DELIVERED TO THE JOBSITE IN STANDARD LENGTHS OF 40 OR 60 FEET AND CUT AS REQUIRED. PROVIDE 64 BAR DIAMETER LAPS IN ALL VERTICAL PIER REINFORCING.
8. WHERE THE CLEAR DISTANCE BETWEEN TWO PIERS IS LESS THAN THE PIER DIAMETER OF THE LARGER PIER, WAIT AT LEAST 48 HOURS AFTER CASTING THE FIRST PIER BEFORE DRILLING THE SECOND PIER.
9. CONTRACTOR SHALL PROVIDE IN HIS BID A UNIT PRICE ADD AND UNIT PRICE DEDUCT FOR EACH PIER SIZE UTILIZED ON THE PROJECT.
10. THE PRICE FOR CASING OF PIERS OR SLURRY METHOD SHALL BE INCLUDED WITHIN THE BASE BID FOR ALL STRAIGHT SHAFT PIERS ON THE PROJECT. CONTRACTOR SHALL PROVIDE AN ALLOWANCE FOR 100% CASING OF DRILLED PIERS. CONTRACTOR SHALL ALSO PROVIDE UNIT PRICE FOR EACH SIZE OF CASING UTILIZED ON THE PROJECT. PAYMENT FOR CASING SHALL BE BASED UPON NET LENGTH OF CASING UTILIZED MULTIPLIED BY THE UNIT PRICE.



TYP "A" TIES

NOTE(S):

1. DEPTH OF BEARING STRATUM IS INDICATED FOR INFORMATION ONLY. ACTUAL DEPTH MAY VARY. REFER TO THE GEOTECHNICAL REPORT AND THE GRADING PLAN FOR DEPTH OF BEARING STRATUM BELOW FINISH FLOOR AND ADJUST DEPTHS AS REQD. CONTRACTOR TO PROVIDE AN ALLOWANCE ON PER LINEAR FOOT BASIS FOR ADD AND DEDUCT.
2. CONTRACTOR SHALL PROVIDE AN ALLOWANCE FOR PIER CASINGS OR SLURRY METHOD ON A PER LINEAR FOOT BASIS AS PER DIVISION 1 OF THE PROJECT SPECIFICATIONS. ALSO REFER TO THE GEOTECHNICAL REPORT FOR PIER CASING REQUIREMENTS.
3. SPLICE VERTICAL REINFORCING IN PIERS WITH CLASS B TENSION LAP SPLICE.
4. FOR PIERS LOCATED WITHIN THREE SHAFT DIAMETERS CLEAR SPACING, THE SECOND PIER SHALL BE DRILLED A MIN OF 48 HOURS AFTER THE FIRST.
5. TEMPORARY CASING AND/OR SLURRY METHOD IS REQUIRED, CASING SHALL BE SIZED TO MAINTAIN THE PIER DIAMETER INDICATED IN SCHEDULE. THE PIER EMBED SHALL BE INCREASED FOR ANY ADDITIONAL SEATING DISTANCE OF THE CASING NEEDED TO SEAL OFF THE WATER.

STRAIGHT SHAFT PIER SCHED.

MARK	SIZE			REINFORCING		TIES	
	DIAMETER	EMBED	TOTAL LENGTH	VERT. REINF.	TOP BAR/DOWEL TERMINATION	SIZE	SPACING
P1	1'-6"	5'-0"	52'-0"	(6) #6	STD. HOOK	#4	8" OC
P2	2'-0"	5'-0"	52'-0"	(8) #6	STD. HOOK	#4	8" OC
P3	2'-6"	5'-0"	52'-0"	(8) #7	STD. HOOK	#4	10" OC
P4	3'-0"	5'-0"	52'-0"	(9) #8	STD. HOOK	#4	10" OC
P5	3'-6"	5'-0"	52'-0"	(11) #9	STD. HOOK	#4	8" OC
P6	4'-0"	5'-0"	52'-0"	(15) #10	STD. HOOK	#4	8" OC
P7	4'-6"	5'-0"	52'-0"	(18) #10	STD. HOOK	#4	8" OC
P8	5'-0"	5'-0"	52'-0"	(20) #11	STD. HOOK	#4	8" OC
P9	5'-6"	5'-0"	52'-0"	(23) #11	STD.HOOK	#3	8" OC

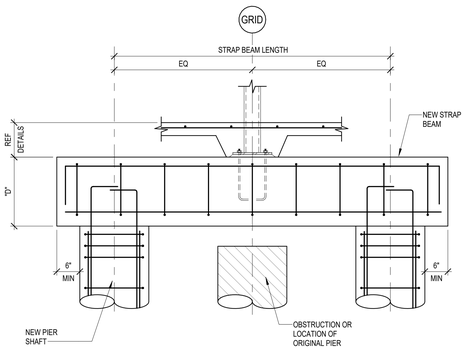
5 TYPICAL STRAIGHT SHAFT PIER SCHEDULE
NO SCALE

NOTE:

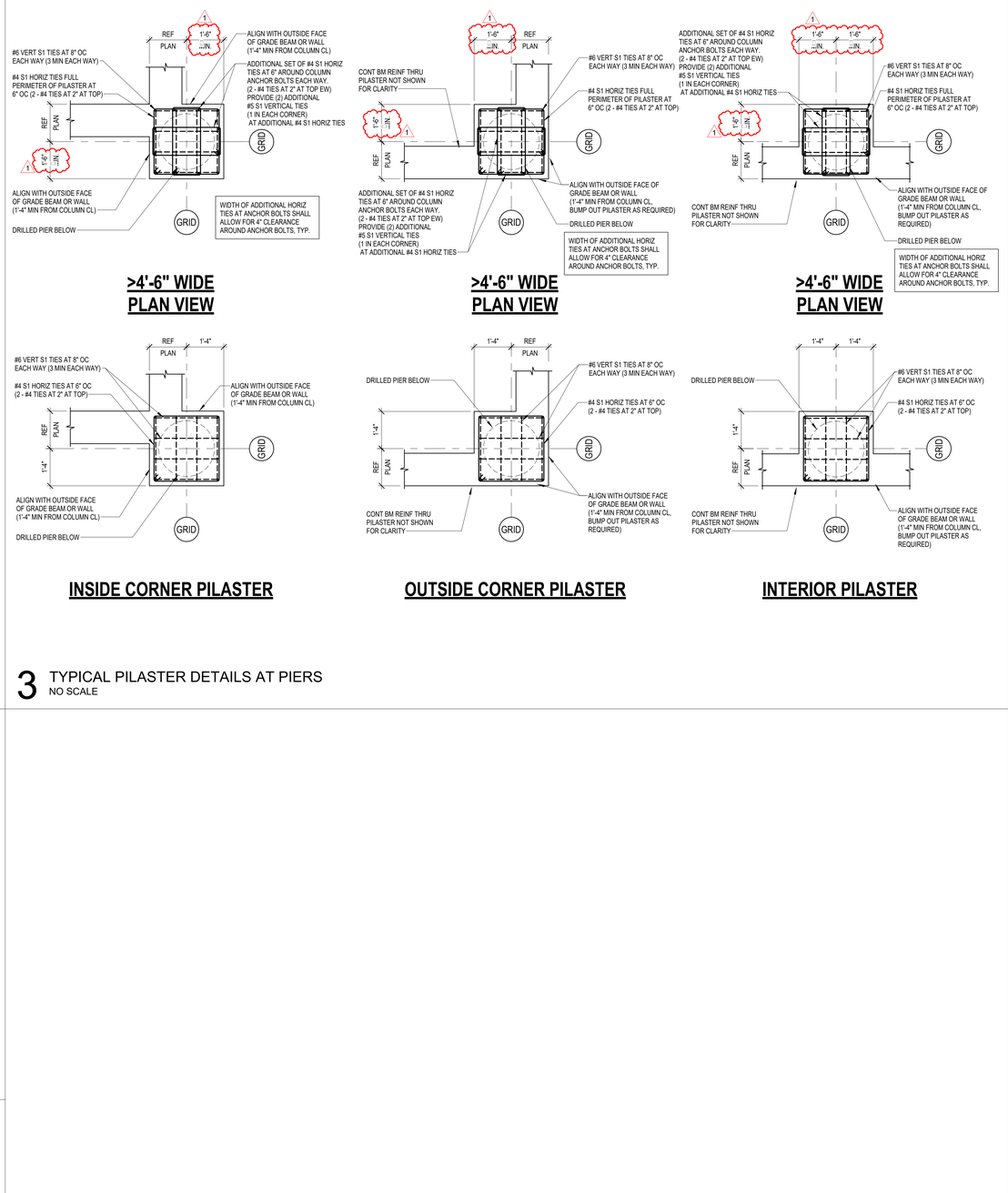
1. THIS DETAIL SHALL BE USED AT BUILDING SITES WHERE EXISTING UTILITIES, FOUNDATIONS OR OBSTRUCTIONS ARE ENCOUNTERED DURING THE PIER INSTALLATIONS. THE ORIGINAL SINGLE PIER SHALL BE REPLACED WITH TWO NEW PIERS AND A NEW STRAP BEAM SHALL BE ADDED AS SHOWN. ANY UTILITY LINES THAT ARE ENCOUNTERED SHALL BE COVERED WITH CONCRETE.

STRAP BEAM SCHEDULE

ORIGINAL BELL DIAM (IN)	DBL PIER BELL SIZE (IN)	DBL PIER SHAFT SIZE (IN)	STRAP BEAM LENGTH	STRAP BEAM (W X D)	STRAP BEAM REINFORCING
24, 36	30	16	5'-0"	14"x24"	(2)-#7 T&B #3 @ 10"
42, 48	36	18	6'-0"	14"x24"	(3)-#6 T&B #3 @ 10"
54, 60	48	24	8'-0"	16"x24"	(2)-#6 TOP (4)-#7 BOTT #3 @ 10"
66, 72	54	28	9'-0"	20"x24"	(3)-#7 TOP (5)-#8 BOTT #3 @ 9"
78, 84	60	30	10'-0"	24"x24"	(3)-#7 TOP (6)-#9 BOTT #4 @ 9"



2 STRAP BEAM DETAIL AT CONSTRUCTION
NO SCALE



3 TYPICAL PILASTER DETAILS AT PIERS
NO SCALE

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT: Galena Park ISD
DATE: December 5, 2025
PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

GENERAL FOUNDATION NOTES AND TYP DETAILS

S-303

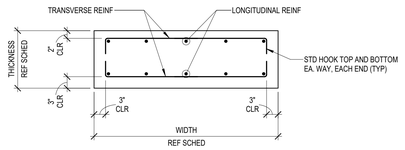
Plot Stamp:
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GENERAL FOUNDATION NOTES AND TYP DETAILS
S-303SF
FOR BLUEBEAM LABELINGDOOR:

0"
1"

FOOTINGS:

1. FOOTING DESIGN IS BASED UPON THE FOLLOWING CRITERIA. REFER TO TYPICAL FOOTING DETAIL FOR FOOTING SCHEDULE AND REINFORCING. DISTRIBUTION OF FOOTING TYPES AS INDICATED ON PLANS.
   - A. NET ALLOWABLE SOIL BEARING PRESSURE..... XXX PSF
   - B. MINIMUM FOOTING BEARING DEPTH..... XXX FT BELOW FINAL EXTERIOR GRADE
   - C. MINIMUM WALL FOOTING WIDTH..... XXX INCHES
   - D. MINIMUM COLUMN FOOTING WIDTH..... XXX INCHES
   - E. COEFFICIENT OF BASE FRICTION AT FOOTING BASE..... XXX
   - F. ALLOWABLE PASSIVE EARTH PRESSURE FOR FOOTINGS BEARING AGAINST NATIVE SANDS OR SAND BACKFILL..... XXX PSF/FT
   - G. ALLOWABLE PASSIVE EARTH PRESSURE FOR FOOTINGS BEARING AGAINST NATIVE CLAYS OR PROPERLY PLACED AND COMPACTED CLAY BACKFILL..... XXX PSF
   - H. DEPTH OF SOIL WHERE PASSIVE EARTH PRESSURE SHALL BE NEGLECTED..... XXX FT FROM ADJACENT GRADE
   - I. BEARING STRATUM..... XXXXX
2. FOOTINGS NOT SPECIFICALLY LOCATED ON THE PLAN SHALL BE LOCATED ON CENTERLINE OF THE COLUMN ABOVE, WHERE NO COLUMN OCCURS, LOCATE FOOTING ON CENTERLINE OF WALL OR BEAM.
3. PROVIDE DOWELS FROM FOOTINGS INTO CONCRETE ABOVE PER THE TYPICAL FOOTING DETAIL.
4. ELEVATION OF TOP OF FOOTING IS NOTED ON DRAWINGS.
5. REFERENCE PLANS AND FOOTING SCHEDULE FOR FOOTING SIZE, REINFORCING, AND DEPTH OF BEARING STRATUM.
6. ALL FOOTINGS SHALL BE INSPECTED BY A REPRESENTATIVE OF THE PROJECT'S GER IN ORDER TO ENSURE THAT THE BEARING STRATUM IS PROPER AND IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN THE GEOTECHNICAL REPORT.
7. USE TEMPLATES TO SET DOWELS AND ANCHOR BOLTS IN FOOTINGS. PROVIDE DETAILS OF THE TEMPLATES IN THE FOOTING SHOP DRAWINGS. REMOVE THE TEMPLATE COMPLETELY FROM THE TOP OF THE FOOTING PRIOR TO SUPERSTRUCTURE CONSTRUCTION.
8. UNLESS REQUIRED BY THE PROJECT'S GER TO BE FORM-SIDED, THE FOOTING EXCAVATIONS SHALL BE MADE TO NEAT LINES AND SHALL BE FREE OF LOOSE OR WET MATERIALS. CONCRETE CAN BE PLACED DIRECTLY AGAINST THE SOIL WITHOUT FORMING.
9. PLACE CONCRETE IN FOOTING EXCAVATION WITHIN 8 HOURS OF FINAL EXCAVATION OR AS SPECIFIED IN THE GEOTECHNICAL REPORT.



REINF DIAGRAM

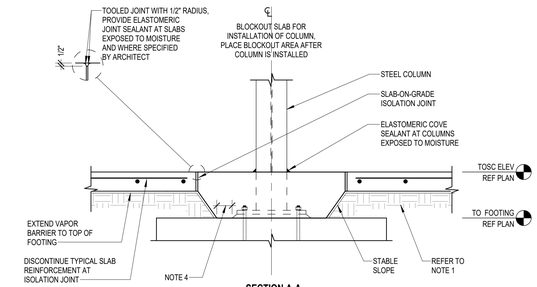
SPREAD FOOTING SCHEDULE

MARK	WIDTH (FT-IN)	LENGTH (FT-IN)	THICKNESS (FT-IN)	LONGITUDINAL TOP REINF	LONGITUDINAL BOT REINF	TRANSVERSE TOP REINF	TRANSVERSE BOT REINF	REMARKS
F4	4' - 0"	4' - 0"	2' - 0"	#4 @ 12" OC	#5 @ 10" OC	#4 @ 12" OC	#5 @ 10" OC	
F6	6' - 0"	6' - 0"	2' - 0"	#5 @ 12" OC	#7 @ 10" OC	#5 @ 12" OC	#7 @ 10" OC	
F8	8' - 0"	8' - 0"	2' - 0"	#5 @ 10" OC	#8 @ 10" OC	#5 @ 10" OC	#8 @ 10" OC	
F10	10' - 0"	10' - 0"	2' - 0"	#5 @ 10" OC	#8 @ 10" OC	#5 @ 10" OC	#8 @ 10" OC	
F12	12' - 0"	12' - 0"	2' - 0"	#5 @ 10" OC	#8 @ 10" OC	#5 @ 10" OC	#8 @ 10" OC	
F14	14' - 0"	14' - 0"	2' - 0"	#5 @ 10" OC	#8 @ 10" OC	#5 @ 10" OC	#8 @ 10" OC	
F16	16' - 0"	8' - 0"	2' - 0"	#7 @ 10" OC	#8 @ 10" OC	#7 @ 10" OC	#8 @ 10" OC	
F17	17' - 0"	7' - 0"	2' - 0"	#6 @ 10" OC	#8 @ 10" OC	#6 @ 10" OC	#8 @ 10" OC	
F19	19' - 0"	12' - 0"	2' - 0"	#7 @ 10" OC	#8 @ 10" OC	#7 @ 10" OC	#8 @ 10" OC	
F25	25' - 0"	12' - 0"	2' - 0"	#7 @ 10" OC	#8 @ 10" OC	#7 @ 10" OC	#8 @ 10" OC	
F31	31' - 0"	12' - 0"	2' - 0"	#8 @ 10" OC	#8 @ 10" OC	#8 @ 10" OC	#8 @ 10" OC	

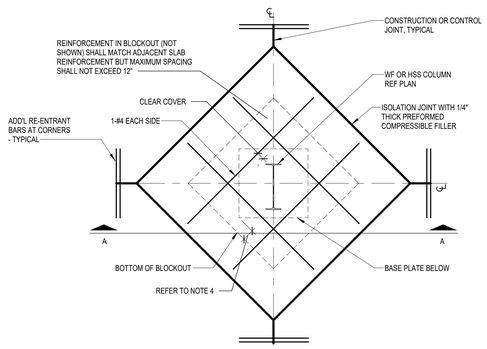
CONTINUOUS FOOTING SCHED.

TYPE	WIDTH (FT-IN)	THICKNESS	LONGITUDINAL TOP REINF.	LONGITUDINAL BOT REINF.	TRANSVERSE TOP REINF.	TRANSVERSE BOT REINF.	REMARKS
F-CONT	4'-0"	1'-6"	X @ X" OC	X @ X" OC	X @ X" OC	X @ X" OC	-

1 TYPICAL FOOTING REINF DIAGRAM AND SCHEDULE
NO SCALE



SECTION A-A

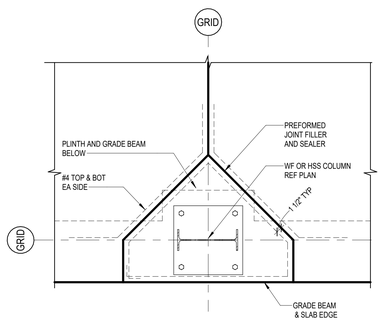


PLAN

NOTES:

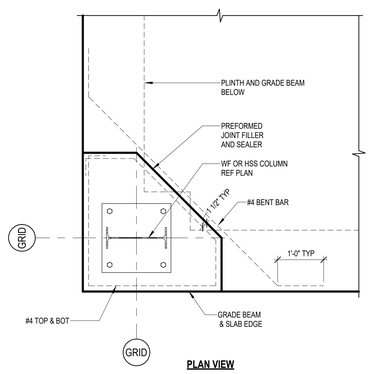
1. REFER TO "TYPICAL SLAB-ON-GRADE SUBGRADE PREPARATION" FOR SUBGRADE PREPARATION REQUIREMENTS INCLUDING LOCATION OF VAPOR BARRIER RELATIVE TO SLAB AND GRANULAR BASE AND WHETHER FINE-GRADE GRANULAR MATERIAL IS REQUIRED.
2. REFER TO "TYPICAL CONSTRUCTION AND CONTROL JOINTS - SLAB-ON-GRADE" FOR CONSTRUCTION AND CONTROL JOINT REQUIREMENTS.
3. CONTRACTOR TO COORDINATE REQUIRED SIZE OF BLOCKOUT FOR STRUCTURAL STEEL COLUMNS WITH STEEL ERECTOR. SUBMIT THE DESIRED BLOCKOUT SIZE TO ARCHITECT FOR APPROVAL.
4. BLOCKOUT SHALL BE SIZED TO PROVIDE 3" MINIMUM CONCRETE COVER ALL AROUND COLUMN AND BASE PLATE.
5. THE BLOCKOUT SHALL BE KEYWAYED WITH RE-ENTRANT BARS.

2 TYPICAL SLAB-ON-GRADE INTERIOR BLOCKOUT DETAIL
NO SCALE



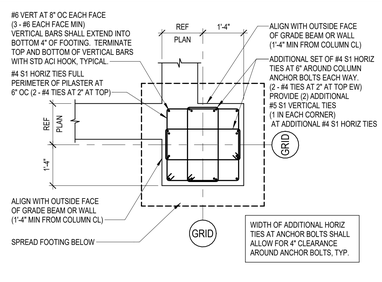
PLAN VIEW

4 TYPICAL SLAB-ON-GRADE PERIMETER BLOCKOUT DETAIL
NO SCALE



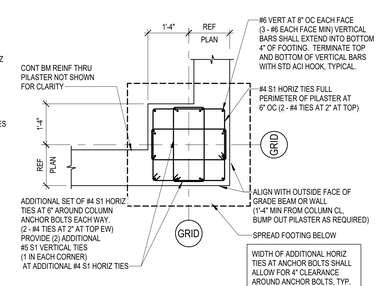
PLAN VIEW

5 TYPICAL SLAB-ON-GRADE CORNER BLOCKOUT DETAIL
NO SCALE



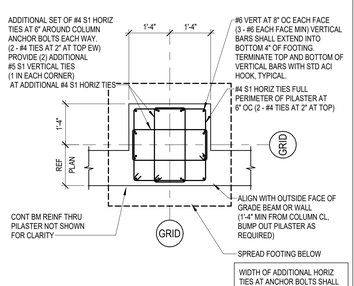
>4'-6" WIDE PLAN VIEW

INSIDE CORNER PILASTER



>4'-6" WIDE PLAN VIEW

OUTSIDE CORNER PILASTER



>4'-6" WIDE PLAN VIEW

INTERIOR PILASTER

3 TYPICAL PILASTER DETAILS AT SPREAD FOOTING
NO SCALE

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

Kubala ENGINEERS
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TEL 832.667.7263

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)
1000 Keerie St.
Galena Park, TX 77547
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: Checker
DRAWN BY: Author

GENERAL FOUNDATION NOTES AND TYP DETAILS

S-303SF

Plot Stamp:
12/10/2025 4:16:26 PM

GENERAL STEEL NOTES AND TYP DETAILS
S-500
FOR BLUEBEAM LABELINGDOOR:

0"
1"

STRUCTURAL STEEL:

MATERIAL:

1. STRUCTURAL STEEL IS TO CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, AND IS TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS:
   - A. STEEL WIDE FLANGE AND WT SECTIONS..... ASTM A992 OR ASTM A572 - GRADE 50
   - B. MISCELLANEOUS STEEL SECTIONS (ANGLES, CHANNELS AND BARS)..... ASTM A36
   - C. HOLLOW STEEL SECTIONS..... ASTM A500, GRADE B OR C, (46 KSI MIN)
   - D. STEEL PIPE SECTIONS..... ASTM A53, GRADE B
   - E. BOLTS AND NUTS (HEAVY-HEX)..... ASTM A325
   - F. SHEAR-STUD CONNECTORS..... ASTM A108
   - G. ANCHOR RODS..... ASTM F1554, GRADE 36, GRADE 55 OR GRADE 105
   - H. PLATES..... ASTM A36 OR A572 GRADE 50
   - K. WASHERS..... ASTM F436
2. ALL STEEL SHALL BE DOMESTICALLY (INCLUDING CANADA) MILLED AND FABRICATED. FOREIGN STEEL SHALL NOT BE UTILIZED WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER. THE APPROVAL PROCESS SHALL TAKE PLACE DURING BIDDING TIME. ANY REQUEST TO UTILIZE FOREIGN STEEL MADE AFTER BIDDING SHALL BE REJECTED.
3. STRUCTURAL STEEL, MISCELLANEOUS METAL, AND EMBEDS EXPOSED TO THE EXTERIOR ARE TO BE HOT DIP GALVANIZED AFTER FABRICATION, EXCEPT AS NOTED ON THE DRAWINGS. TUBE SHAPE MEMBERS EXPOSED TO THE EXTERIOR SHALL HAVE CAP PLATES SEAL WELDED, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. STRUCTURAL STEEL IS TO BE PREPARED AND PRIMED ACCORDING TO THE PROJECT SPECIFICATIONS. STRUCTURAL STEEL LOCATED IN CRAWL SPACES OR OTHERWISE INACCESSIBLE AREAS IS TO RECEIVE 2 COATS OF PRIMER.
5. CONTINUITY PLATES (FULL DEPTH COLUMN STIFFENERS ALIGNED WITH BEAM FLANGES, OR FULL DEPTH BEAM STIFFENERS ALIGNED WITH COLUMN FLANGES) SHALL MATCH THE STEEL GRADE OF THE BASE MEMBER.
6. IN ADDITION TO THE STEEL INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INCLUDE THREE (3) PERCENT OF TOTAL TONNAGE OF FABRICATED STEEL (LABOR FOR ERECTION SHALL BE INCLUDED) DURING THE PROCESS OF WORK AS MAY BE DIRECTED BY THE ARCHITECT/ENGINEER OF RECORD. IF STEEL IS NOT USED DURING THE COURSE OF THE PROJECT, OWNER IS TO RECEIVE A CREDIT FOR THE PORTION NOT USED.

CONNECTIONS:

1. THE DESIGN OF THE STRUCTURAL STEEL CONNECTIONS, WHICH ARE NOT FULLY DETAILED IN THE CONTRACT DOCUMENTS, IS THE RESPONSIBILITY OF THE CONTRACTOR AND THE STEEL FABRICATOR. THE DESIGN OF THE CONNECTIONS SHALL BE PERFORMED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE IN WHICH THE PROJECT IS LOCATED, WORKING FOR THE FABRICATOR, IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE AISC 303-CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. THE FABRICATOR'S LICENSED STRUCTURAL ENGINEER IN RESPONSIBLE CHARGE OF THE CONNECTION DESIGN SHALL REVIEW AND CONFIRM IN WRITING THAT THE SHOP AND ERECTION DRAWINGS PROPERLY INCORPORATE THE CONNECTION DESIGNS PRIOR TO SUBMITTING THE CONNECTION CALCULATIONS AND SHOP DRAWINGS TO THE ENGINEER-OF-RECORD FOR REVIEW.
3. THE FABRICATOR SHALL PROVIDE A MEANS BY WHICH THE CONNECTION INFORMATION PREPARED BY THE FABRICATOR'S LICENSED PROFESSIONAL ENGINEER IN RESPONSIBLE CHARGE OF THE CONNECTION DESIGN IS REFERENCED TO THE RELATED CONNECTIONS ON THE SHOP AND ERECTION DRAWINGS FOR THE PURPOSE OF REVIEW.
4. THE FABRICATOR SHALL PROVIDE BEAM SHEAR CONNECTIONS USING THE VERTICAL REACTIONS PROVIDED ON THE PLANS, WHICH ARE PROVIDED AS KIPS (SERVICE-LOAD LEVEL). ALLOWABLE STRESS DESIGN (ASD) SHALL BE USED IN THE SELECTION, COMPLETION AND DESIGN OF CONNECTION DETAILS. **IN INSTANCES WHERE REACTIONS ARE NOT SPECIFIED ON THE PLANS, THE CONNECTION DESIGNER SHALL PROVIDE CONNECTIONS BASED ON THE WORST-CASE SHEAR REACTION (HIGHEST SHEAR CAPACITY) FROM THE OPTIONS LISTED BELOW:**
   - **4.1 OPTION 1 (BASED ON BEAMS' ALLOWABLE UNIFORM LOAD):** SHEAR CONNECTION CAPACITIES FOR BEAMS SHALL BE ONE-HALF (50 PERCENT) THE TOTAL ALLOWABLE UNIFORM LOAD GIVEN IN TABLE 3-6 THROUGH 3-9 OF THE AISC MANUAL OF STEEL CONSTRUCTION. CONNECTIONS FOR COMPOSITE BEAMS AND CAMBERED ROOF BEAMS SHALL HAVE THE STANDARD AISC CAPACITY INCREASED BY 35 PERCENT.
   - **4.2 OPTION 2 (MINIMUM SERVICE-LOAD / ASD) SHEAR REACTIONS:** ALL BEAM CONNECTIONS SHALL HAVE A MINIMUM SERVICE LOAD (ASD) SHEAR CAPACITY GIVEN IN TABLE 4.2. REFER TO TYPICAL DOUBLE-ANGLE CONNECTION SCHEDULE (1/S-503) AND TYPICAL SHEAR TAB BOLTED CONNECTION SCHEDULE (2/S-503) FOR SHEAR CONNECTIONS THAT MEET THE MINIMUM SERVICE-LOAD (ASD) SHEAR CONNECTION CAPACITIES LISTED IN TABLE 4.2. ALTERNATE CONNECTION DETAILS ARE ACCEPTABLE PROVIDED SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS ARE SUBMITTED, AND ALL CONNECTION DESIGNS ARE PERFORMED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

TABLE 4.2 - MINIMUM SERVICE-LOAD (ASD) SHEAR CONNECTION CAPACITIES

BEAM SIZE	MINIMUM REACTION (KIPS) (SERVICE-LOAD LEVEL)	BEAM SIZE	MINIMUM REACTION (KIPS) (SERVICE-LOAD LEVEL)
W8	9	W24	83
W10	14	W27	113
W12	23	W30	119
W14	28	W33	142
W16	40	W36	160
W18	48	W40	193
W21	64	W44	195

5. SHEAR CONNECTIONS MAY BE SELECTED FROM THE TABLES IN PART 10 OF THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION IF THE CONNECTION MEETS THE SHEAR CAPACITY REQUIREMENTS OF CONNECTION NOTE 4 ABOVE. TABLE 10-1 SHALL BE USED FOR BOLTED DOUBLE ANGLE CONNECTIONS, TABLE 10-2 SHALL BE USED FOR WELDED/BOLTED DOUBLE ANGLE CONNECTIONS, AND TABLE 10-3 SHALL BE USED FOR WELDED DOUBLE ANGLE CONNECTIONS.
6. DOUBLE CONNECTIONS AT COLUMNS AND/OR AT BEAM WEBS OVER A COLUMN. WHEN TWO STRUCTURAL MEMBERS ON OPPOSITE SIDES OF A COLUMN WEB, OR A BEAM WEB OVER A COLUMN, ARE CONNECTED SHARING COMMON CONNECTION HOLES, AT LEAST ONE BOLT WITH ITS WRENCH-TIGHT NUT SHALL REMAIN CONNECTED TO THE FIRST MEMBER UNLESS A SHOP-ATTACHED OR FIELD-ATTACHED SEAT OR EQUIVALENT CONNECTION DEVICE IS SUPPLIED WITH THE MEMBER TO SECURE THE FIRST MEMBER AND PREVENT THE COLUMN FROM BEING DISPLACED.
7. THE DRAWINGS INDICATE VARIOUS NON-PRIMARY STRUCTURAL FRAME ELEMENTS SUCH AS SHELF ANGLES, LINTELS, SUPPORT MEMBERS FOR CURTAIN WALLS OR MASONRY, AND EDGE ANGLES FOR OPENINGS AND PERIMETER CONDITIONS WHICH ARE INTENDED TO SUPPORT OR BE COORDINATED WITH MATERIALS FURNISHED BY OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR PROPER FIT-UP OF THE VARIOUS COMPONENTS OF THE FRAMING AND FOR MEETING THE TOLERANCES REQUIRED BY OTHER TRADES, WHICH MAY BE MORE STRINGENT THAN A.I.S.C. TOLERANCES FOR STRUCTURAL STEEL. WHERE THESE NON-PRIMARY STRUCTURAL FRAME ELEMENTS ARE INDICATED TO BE WELDED (INDICATED EITHER FIELD OR SHOP WELDED) IN THE DRAWINGS, THE CONTRACTOR SHALL HAVE THE FINAL RESPONSIBILITY FOR DETERMINING IF THE WELDS SHOULD BE MADE IN THE SHOP OR FIELD IN ORDER TO ACHIEVE PROPER FIT-UP OF THE VARIOUS COMPONENTS OF THE FRAMING AND FOR MEETING THE TOLERANCES REQUIRED BY OTHER TRADES.
8. SPLICING OF STRUCTURAL STEEL MEMBERS MUST BE APPROVED BY THE STRUCTURAL ENGINEER, IF NOT ALREADY SHOWN ON THE DRAWINGS.
9. SHOP BOLTED CONNECTIONS ARE PERMISSIBLE IF SUFFICIENT BOLT CLEARANCE IS AVAILABLE FOR TIGHTENING OF HIGH STRENGTH BOLTS. CLEARANCES SHALL BE IN ACCORDANCE WITH TABLE 7-16 AND 7-17 OF THE LATEST EDITION OF THE MANUAL OF STEEL CONSTRUCTION OF THE AISC. ALL STEEL MEMBERS AND ASSEMBLIES SHALL BE SHOP FABRICATED TO THE GREATEST EXTENT POSSIBLE. TRUSSES SHALL BE FULLY SHOP ASSEMBLED. FIELD SPLICES FOR SHIPPING PURPOSES SHALL ONLY BE AS APPROVED BY THE ENGINEER OF RECORD. THE STEEL FABRICATOR AND THE STEEL ERECTOR SHALL COORDINATE THE SHOP FABRICATION, SHIPPING AND ERECTION OF ALL STRUCTURAL MEMBERS AND ASSEMBLIES.
10. ALL CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS MUST CONFORM TO ASTM A325-N HIGH-STRENGTH BOLTS UNLESS NOTED OTHERWISE. MINIMUM SIZE SHALL BE 3/4 INCH DIAMETER. STRUCTURAL STEEL CONNECTIONS SHALL BE DESIGNED BY THE CONTRACTOR IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS SPECIFIED ON S-503. BOLTS SHALL BE DIRECT TENSION INDICATING BOLTS CONFORMING TO ASTM F1852 WITH HARDENED WASHERS UNDER THE NUT AND SACRIFICIAL SPLINES. HEX NUTS MUST CONFORM TO ASTM A563 AND WASHERS MUST CONFORM TO ASTM F436.
11. ALL MOMENT CONNECTIONS SHALL BE FULL WELDED CONNECTIONS DESIGNED TO DEVELOP THE FULL CROSS-SECTION OF THE MEMBER. STIFFENER PLATES, WHERE SHOWN, ARE MANDATORY AND MAY NOT BE OMITTED. MOMENT CONNECTIONS ARE INDICATED ON THE PLANS BY A TRIANGULAR BULB ON THE END OF THE BEAM, OR BY THE LETTERS "MC". CANTILEVER BEAMS MOMENT CONNECTED TO THE FRAME SHALL BE THE SAME SIZE AS THE BACK-UP SPAN IF NO SIZE IS GIVEN.
12. WHERE HORIZONTAL FORCES ARE INDICATED ON PLAN AS "H= _K", THE LICENSED PROFESSIONAL ENGINEER WORKING FOR THE FABRICATOR SHALL SIZE THE CONNECTION TO TRANSFER THE HORIZONTAL FORCE IN ADDITION TO THE REQUIRED VERTICAL REACTION. SLOTTED HOLES ARE NOT PERMITTED AT CONNECTIONS WITH HORIZONTAL FORCES.
13. EMBED PLATES TO BE INSTALLED IN THE FOUNDATION AND/OR SLAB SHALL BE SUBMITTED FOR REVIEW WITH THE ANCHOR BOLTS.
14. BOLTS SHALL BE TIGHTENED BY THE AISC "SNUG TIGHT" METHOD UNLESS NOTED OTHERWISE.
15. CANTILEVER BEAMS MOMENT CONNECTED TO THE FRAME SHALL BE THE SAME SIZE AS THE BACK-UP SPAN IF NO SIZE IS GIVEN.
16. SHELF ANGLES SHOWN AS CONTINUOUS IN THE SECTIONS SHALL BE INSTALLED IN 20'-0" MAXIMUM LENGTHS, LEAVING A 1/4" GAP BETWEEN ENDS AND AT CORNERS. LOCATE GAPS TO MATCH MASONRY CONTROL JOINTS. AT BUILDING EXPANSION JOINT, LEAVE A GAP TO MATCH EXPANSION JOINT WIDTH.
17. CONNECT MISCELLANEOUS STEEL MEMBERS USING FILLET WELDS SUFFICIENT TO DEVELOP THE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT UNLESS SHOWN OTHERWISE.
18. STEEL MEMBERS SHOWN TO BE CURVED SHALL BE ROLLED IN A MANNER THAT WILL NOT CAUSE DISTORTION OR BUCKLING. SHOULD ALTERATIONS TO THE MEMBER SIZE, SUCH AS A THICKER FLANGE OR WEB, BE REQUIRED TO ENSURE THIS OUTCOME, THE ADDITIONAL STEEL SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.
19. WHERE STIFFENER PLATES ARE INDICATED ON DRAWINGS, THEY ARE REQUIRED AND SHALL BE PROVIDED AS INDICATED.
20. PROVIDE WELDED IN SPACER PLATES AT THREE FEET ON CENTER AT ALL BACK-TO-BACK CHANNELS OR DOUBLE ANGLES.
21. BEAMS WITH LATERAL BRACING ATTACHED AND WEB CONNECTIONS OF MOMENT-CONNECTED BEAMS SHALL UTILIZE SLIP CRITICAL BOLTS OR WELDED CONNECTIONS.
22. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS), IF NOTED ON STRUCTURAL PLANS OR BY THE ARCHITECT, SHALL CONFORM TO AISC 303 SECTION 10.
23. INSTALL LEDGER ANGLES FOR FASCIA BRICK SUPPORT SUCH THAT THE SWEEP OR CAMBER DOES NOT EXCEED 1/8 INCH DEVIATION FROM STRAIGHT LINE.
24. TEMPORARY SUPPORTS, BRACES, FALSE WORK, SHORES, CRIBBING OR OTHER SUPPORTS REQUIRED DURING ERECTION TO KEEP STRUCTURAL STEEL SECURE, SUPPORTED, PLUMB, AND IN ALIGNMENT SHALL BE DESIGNED, FURNISHED AND INSTALLED BY THE CONTRACTOR AND STEEL ERECTOR. THESE TEMPORARY SUPPORTS SHALL SECURE THE STRUCTURAL STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST ALL LATERAL AND VERTICAL LOADS, INCLUDING BUT NOT LIMITED TO THOSE RESULTING FROM WIND, SEISMIC, ERECTION OPERATIONS AND THE WEIGHT OF THE STRUCTURE AND SUPPORTED ELEMENTS. ALL TEMPORARY SUPPORTS SHALL REMAIN IN PLACE DURING CONSTRUCTION UNTIL THE PERMANENT STRUCTURAL STEEL, CONNECTIONS, FLOOR DECKS AND BRACING ELEMENTS INDICATED IN THE CONTRACT DOCUMENTS ARE COMPLETE.

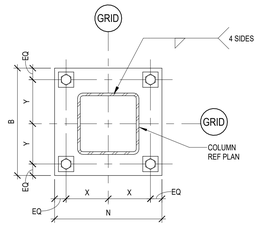
WELDING:

1. ALL WELDING MUST CONFORM TO THE AMERICAN WELDING SOCIETY ANSI/AWS D1.1 STANDARDS, AND SHALL CONFORM TO THE STANDARDS OF THE LATEST EDITION OF THE MANUAL OF STEEL CONSTRUCTION. ALL WELDERS MUST BE CERTIFIED IN ACCORDANCE WITH AWS D1.1. WELDING OF REINFORCING BARS SHALL COMPLY TO THE AMERICAN WELDING SOCIETY AWS D1.4. SHORT CIRCUIT TRANSFER FOR THE GAS METAL ARC WELDING PROCESS IS NOT PERMITTED.
2. ELECTRODES FOR ALL FIELD AND SHOP WELDING SHALL BE CLASS E70XX. ELECTRODES FOR MOMENT CONNECTIONS SHALL BE CLASS E7018 WITH A CHARPY TOUGHNESS OF AT LEAST 20 FT-LBS AT -20 DEGREES FAHRENHEIT.
3. ALL MISCELLANEOUS WELDS SHALL BE MINIMUM SIZE FILLET ALL AROUND AND MUST BE IN ACCORDANCE WITH AISC. WELDING OF CONTINUOUS MEMBERS SHALL BE A MINIMUM OF 2 INCHES OF 3/16 INCH FILLET STITCH WELDS AT 12 INCHES O.C., STAGGERED EACH SIDE, UNLESS SHOWN OTHERWISE ON THE DRAWINGS. COLUMN BASE PLATES, STIFFENER PLATES AND CAP PLATES SHALL BE WELDED ALL AROUND.
4. HEADED STUDS SHALL BE WELDED TO EMBED PLATES BY A METHOD IN WHICH THE CONNECTION CAN DEVELOP THE FULL TENSION AND SHEAR CAPACITY OF THE STUD.

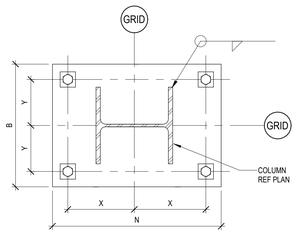
BASE PLATE NOTES:

1. ALL ANCHOR RODS SHALL BE F1554 GRADE 55 UNLESS NOTED OTHERWISE.
2. SIZE WELDS PER AISC MINIMUM FILLET REQUIREMENTS, 5/16" MINIMUM.
3. UNLESS NOTED OTHERWISE, ALL ANCHOR ROD NUTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC AFTER THE CONCRETE IS AT LEAST 14 DAYS OLD.
4. USE OVERSIZED HOLES FOR ANCHOR RODS ACCORDING TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION. PLATE WASHERS WITH STANDARD HOLES SHALL BE INSTALLED OVER OVERSIZED HOLES.
5. CONTRACTOR SHALL PROVIDE TEMPLATE FOR ANCHOR ROD INSTALLATION.
6. NON-SHRINK GROUT FOR BASE PLATES AND BEARING PLATES:

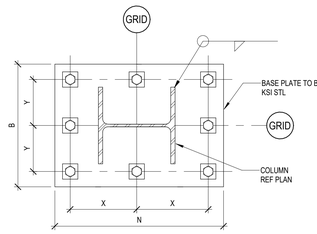
   ALL GROUT USED UNDER STEEL COLUMN BASE PLATES OR BEARING PLATES SHALL BE A NON-METALLIC, SHRINKAGE RESISTANT COMPOUND CONFORMING TO ASTM C1090 AND THE CORPS OF ENGINEERS SPECIFICATION CRD-C-621. THE GROUT SHALL HAVE A MINIMUM STRENGTH OF 6,000 PSI WHEN BEARING ON 3,000 PSI CONCRETE OR LESS. A STRENGTH OF 8,000 PSI WHEN BEARING ON CONCRETE BETWEEN 3,000 AND 4,000 PSI. AND, UNLESS NOTED OTHERWISE ON THE DRAWINGS, A STRENGTH OF 8,000 PSI WHEN BEARING ON CONCRETE GREATER THAN 4,000 PSI. 100 PERCENT OF VOID UNDER ALL BASE PLATES IS TO BE GROUTED. ALL BASE PLATES WITH A DIMENSION GREATER THAN 24" SHALL HAVE TWO 1" DIAMETER GROUT HOLES. IF THE SPACE UNDER A COLUMN BASE PLATE IS LESS THAN 1/4", A PRESSURE INJECTION SYSTEM SHALL BE USED.



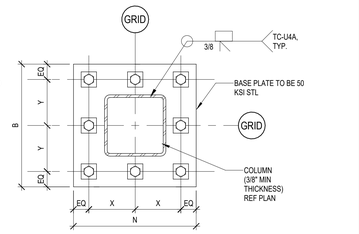
TYPE 1 HSS BASE PLATE
NTS



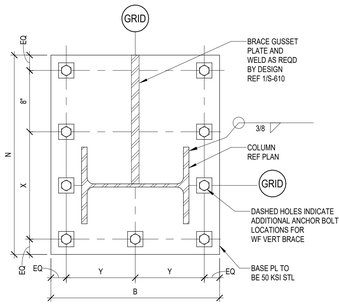
TYPE 2 WIDE FLANGE BASE PLATE
NTS



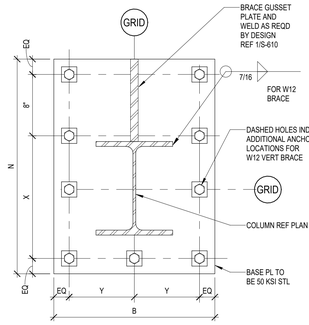
TYPE 3 WIDE FLANGE MOMENT BASE PLATE
NTS



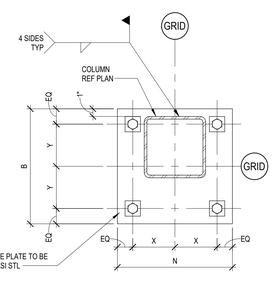
TYPE 4 MOMENT BASE PLATE
NTS



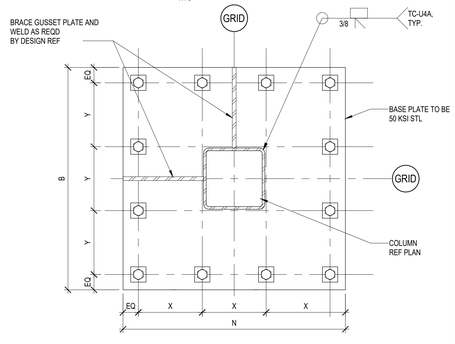
TYPE 5 BRACE BASE PLATE
NTS



TYPE 6 BRACE BASE PLATE
NTS



TYPE 7 HSS BASE PLATE
NTS



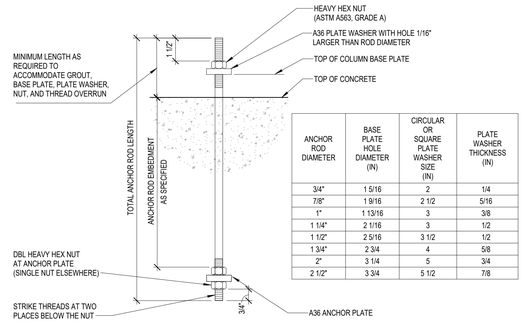
TYPE 8 VERTICAL BRACE BASE PLATE
NTS

BASE PLATE SCHEDULE

MARK	COLUMN SIZE	BASE PLATE TYPE	BASE PLATE DIMENSIONS					ANCHOR RODS				NOTES
			N LENGTH (IN)	B WIDTH (IN)	T THICKNESS (IN)	X (IN)	Y (IN)	NUMBER	DIA (IN)	EMBED LENGTH (IN)	ANCHOR ROD GRADE	
-	HSS5X5	1	12	12	1	4	4	4	3/4	18	36	-
-	HSS6X6 FIXED BP	1	14	14	1	4 1/2	4 1/2	4	3/4	18	36	-
-	HSS8X8	1	16	16	1 1/4	6	6	4	1	18	36	-
-	HSS10X10	1	19	19	1 1/2	7	7	4	1 1/4	18	36	-
	HSS8X8 FIXED BP	4	19	19	1 1/2	7	7	8	1 3/4	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W10X54	2	18	16	1 1/2	7	6	4	1	18	36	-
-	W12X79 W12X96 W12X120	2	22	20	1 3/4	8 1/2	7	4	1 1/4	18	36	BASE PLATE TO BE 50 KSI STEEL
-	W14X145	3	26	24	2 1/4	10 1/2	9 1/2	8	1 1/2	18	36	BASE PLATE TO BE 50 KSI STEEL
-	W14X283	3	26	26	2 1/2	10	10	8	1 1/2	20	105	BASE PLATE TO BE 50 KSI STEEL
1 -	W10 BRACE	5 OR 6	32	21	2	19	8	8	1 1/4	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W12 BRACE	5 OR 6	32	24	2	18	9	9	1 1/2	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W12 BRACE 2-DIRECTIONS	8	31	31	2	8	8	12	1 1/2	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W10 FIXED BP	3	23	21	1 3/4	8 1/2	7 1/2	8	1 1/2	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W12 FIXED BP	3	25	23	2	9 1/2	8 1/2	8	1 1/2	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W14 FIXED BP	3	28	26	2 1/4	11	10	8	1 1/2	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W14 BRACE	5 OR 6	34	27	2 1/2	20	10 1/2	9	1 1/2	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL
-	W14 BRACE 2-DIRECTIONS	8	31	31	2 1/2	8	8	12	1 1/2	18	105	COMPLETE JOINT PENETRATION REQUIRED BASE PLATE TO BE 50 KSI STEEL

NOTES:

1. USE OVERSIZED HOLES FOR ANCHOR RODS ACCORDING TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. PLATE WASHERS WITH STANDARD HOLES SHALL BE INSTALLED OVER OVERSIZED HOLES.
3. CONTRACTOR SHALL PROVIDE TEMPLATE FOR ANCHOR ROD INSTALLATION.
4. MINIMUM GROUT THICKNESS PER GROUT THICKNESS SCHEDULE.
5. SIZE WELDS PER AISC MINIMUM FILLET REQUIREMENTS, 5/16" MINIMUM.



ANCHOR ROD DIAMETER	BASE PLATE HOLE DIAMETER (IN)	CIRCULAR OR SQUARE PLATE WASHER SIZE (IN)	PLATE WASHER THICKNESS (IN)
3/4"	1 5/16	2	1/4
7/8"	1 9/16	2 1/2	5/16
1"	1 13/16	3	3/8
1 1/4"	2 1/16	3	1/2
1 1/2"	2 5/16	3 1/2	1/2
1 3/4"	2 3/4	4	5/8
2"	3 1/4	5	3/4
2 1/2"	3 3/4	5 1/2	7/8

GROUT THICKNESS SCHEDULE	
ANCHOR BOLT SIZE (DIA.)	MINIMUM GROUT THICKNESS
LESS THAN OR EQUAL TO 1 1/4"Ø	2"
GREATER THAN 1 1/4"Ø	3"

NOTES:

1. REFER TO SPECIFICATIONS AND GENERAL NOTES FOR GROUT REQUIREMENTS.
2. GROUT MAY BE BEVELED OR FORMED BUT SHALL EXTEND A MIN OF 1 1/2" BEYOND FACE OF BASE PLATE.

1 COLUMN BASE PLATE AND ANCHOR ROD SCHEDULE
NO SCALE

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Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT
Galena Park ISD
DATE: December 5, 2025
PROJECT NUMBER: 240539
DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

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DRAWN BY: CML

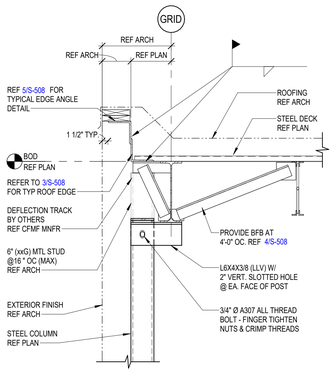
GENERAL STEEL NOTES AND TYP DETAILS

S-500

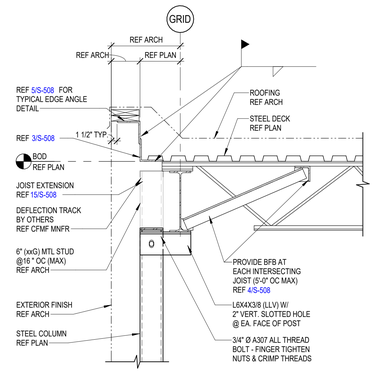
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ROOF FRAMING DETAILS
S-524
FOR BLUEBEAM LABELING/OCR:

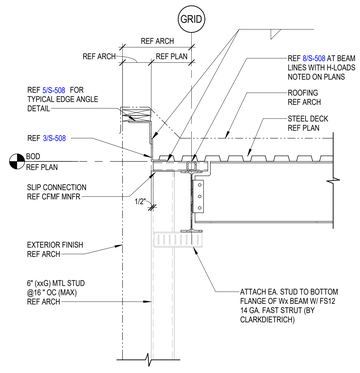
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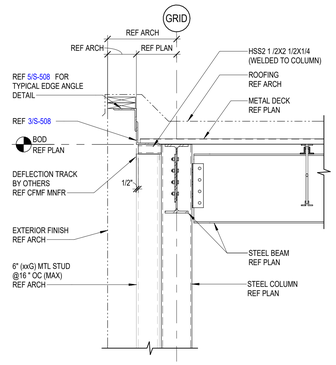
1 ROOF SECTION
3/4" = 1'-0"



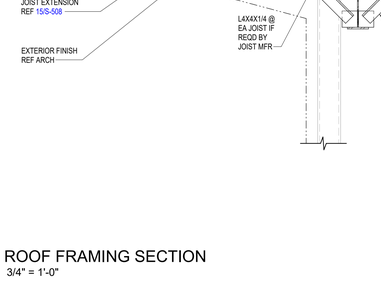
2 ROOF SECTION
3/4" = 1'-0"



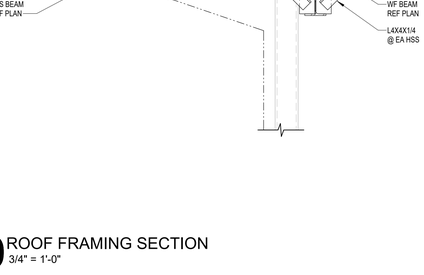
3 TYPICAL ROOF SECTION
3/4" = 1'-0"



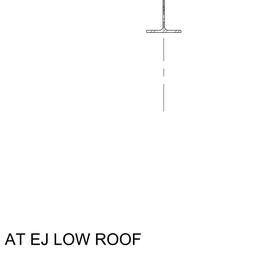
4 TYPICAL ROOF SECTION AT COLUMN
3/4" = 1'-0"



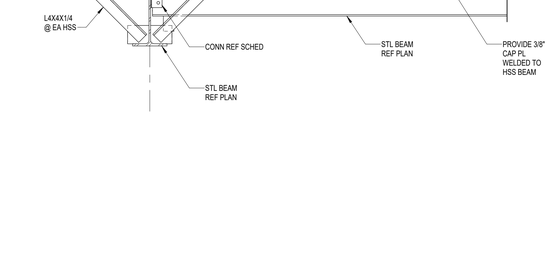
5 TYPICAL ROOF SECTION AT COLUMN
3/4" = 1'-0"



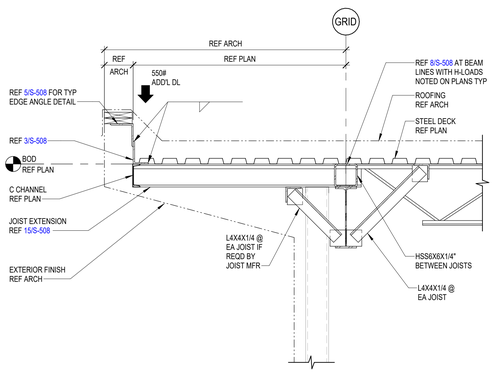
6 ROOF SECTION
3/4" = 1'-0"



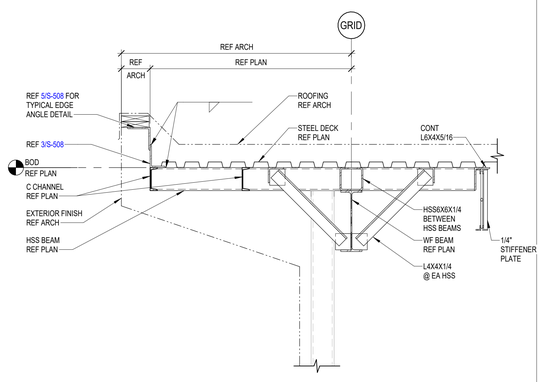
7 FRAMING SECTION
3/8" = 1'-0"



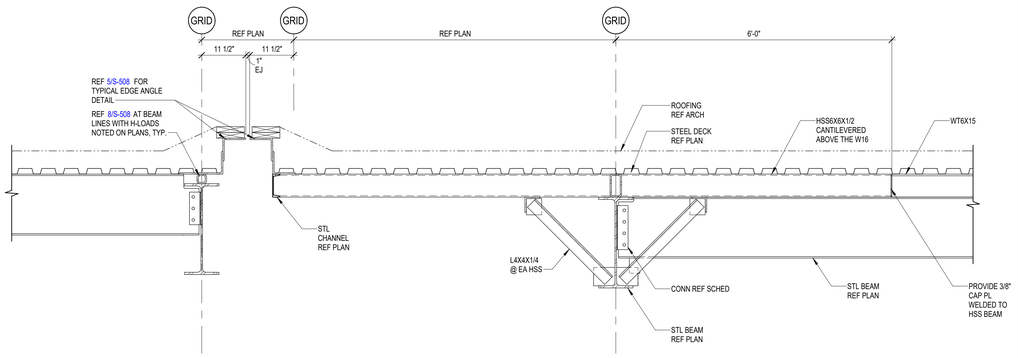
8 FLOOR TO ROOF FRAMING SECTION
3/4" = 1'-0"



9 ROOF FRAMING SECTION
3/4" = 1'-0"



10 ROOF FRAMING SECTION
3/4" = 1'-0"



11 SECTION AT EJ LOW ROOF
3/4" = 1'-0"

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KEY PLAN
NORTH: PLAN TRUE



Kubala Engineers
F-23612
12/05/2025

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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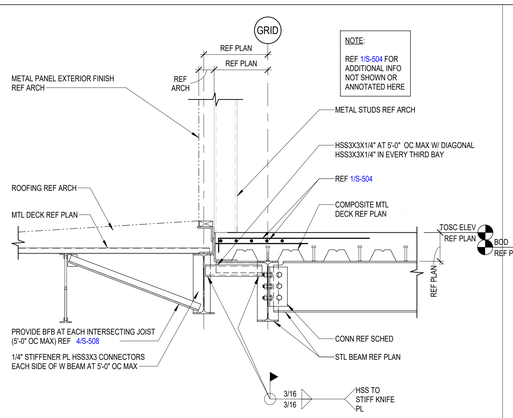
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DRAWN BY: CML

ROOF FRAMING DETAILS

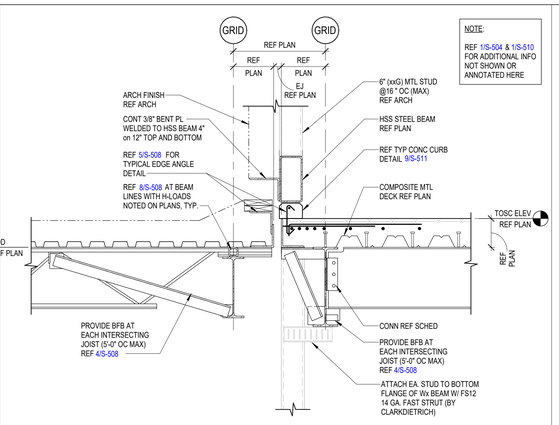
S-524

ROOF FRAMING DETAILS
S-526
FOR BLUEBEAM LABELINGDOOR:

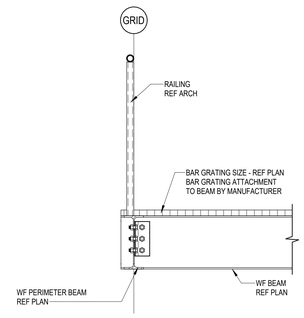
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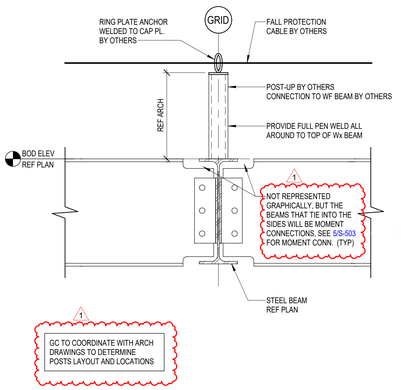
1 ROOF SECTION
3/4" = 1'-0"



2 ROOF SECTION EXPANSION JOINT
3/4" = 1'-0"



1
3 TYPICAL PLATFORM EDGE DETAIL
3/4" = 1'-0"



4 TYPICAL TIE-BACK POST
1 1/2" = 1'-0"

5 KNEE BRACING AT PLATFORM
3/4" = 1'-0"

6 EXHAUST FAN TIE DOWN CONNECTION
3/4" = 1'-0"

7 MEP DUCTWORK SUPPORT BETWEEN JOISTS
3/4" = 1'-0"

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STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
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CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

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ROOF FRAMING DETAILS

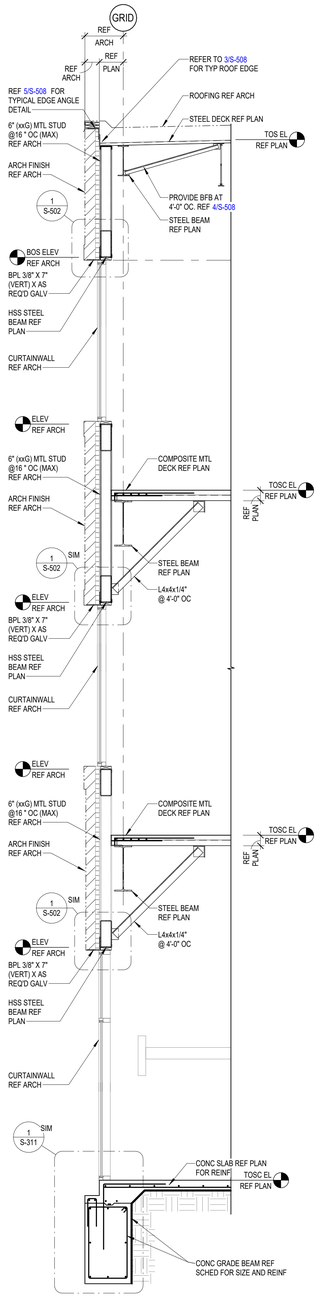
S-526

BUILDING SECTIONS
S-532
FOR BLUEBEAM LABELING/DOOR:

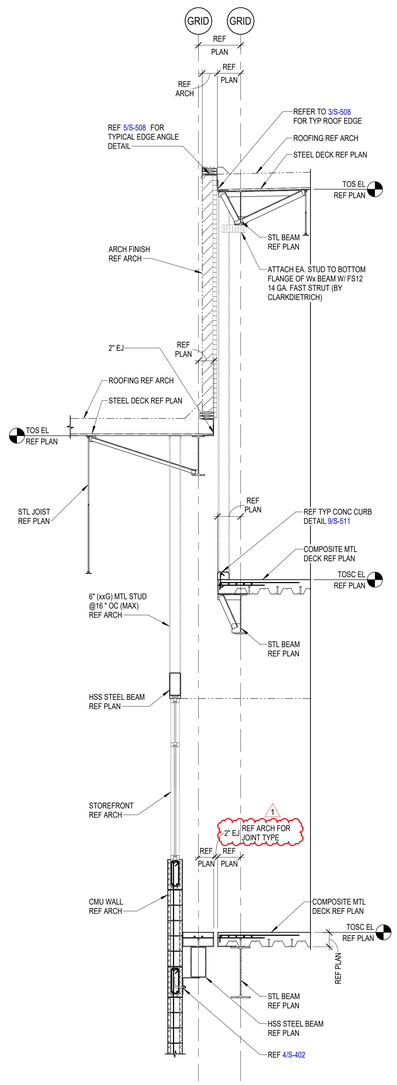
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GC NOTES:

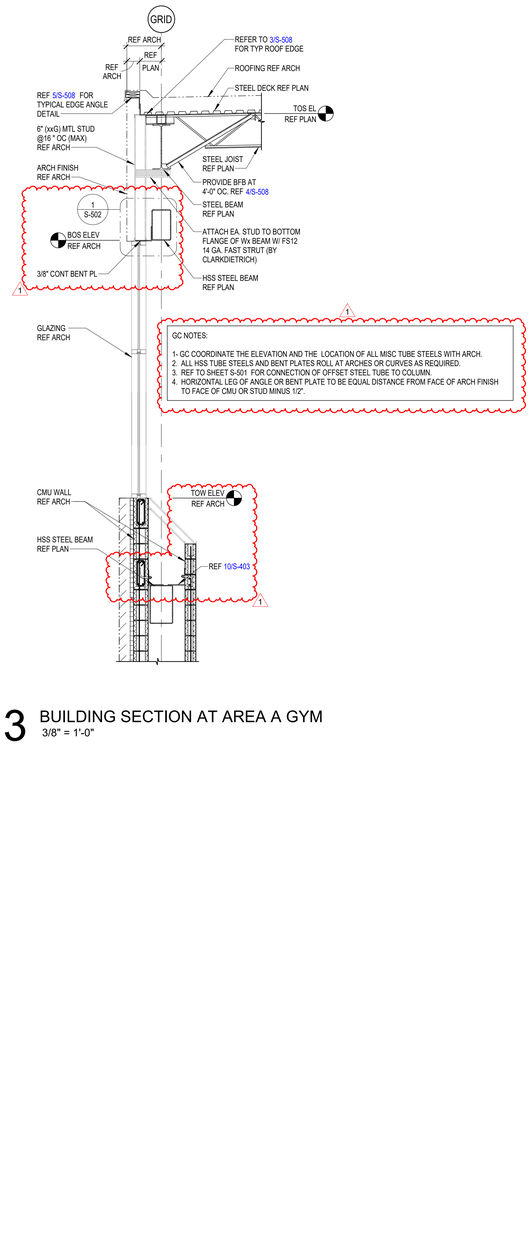
1- GC COORDINATE THE ELEVATION AND THE LOCATION OF ALL MISC TUBE STEELS WITH ARCH.
2. ALL HSS TUBE STEELS AND BENT PLATES ROLL AT ARCHES OR CURVES AS REQUIRED.
3. REF TO SHEET S-501 FOR CONNECTION OF OFFSET STEEL TUBE TO COLUMN.
4. HORIZONTAL LEG OF ANGLE OR BENT PLATE TO BE EQUAL DISTANCE FROM FACE OF ARCH FINISH TO FACE OF CMU OR STUD MINUS 1/2".



1 AREA C AND E STAIR SECTION
3/8" = 1'-0"



2 BUILDING SECTION AT GYM EJ
3/8" = 1'-0"



3 BUILDING SECTION AT AREA A GYM
3/8" = 1'-0"

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DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

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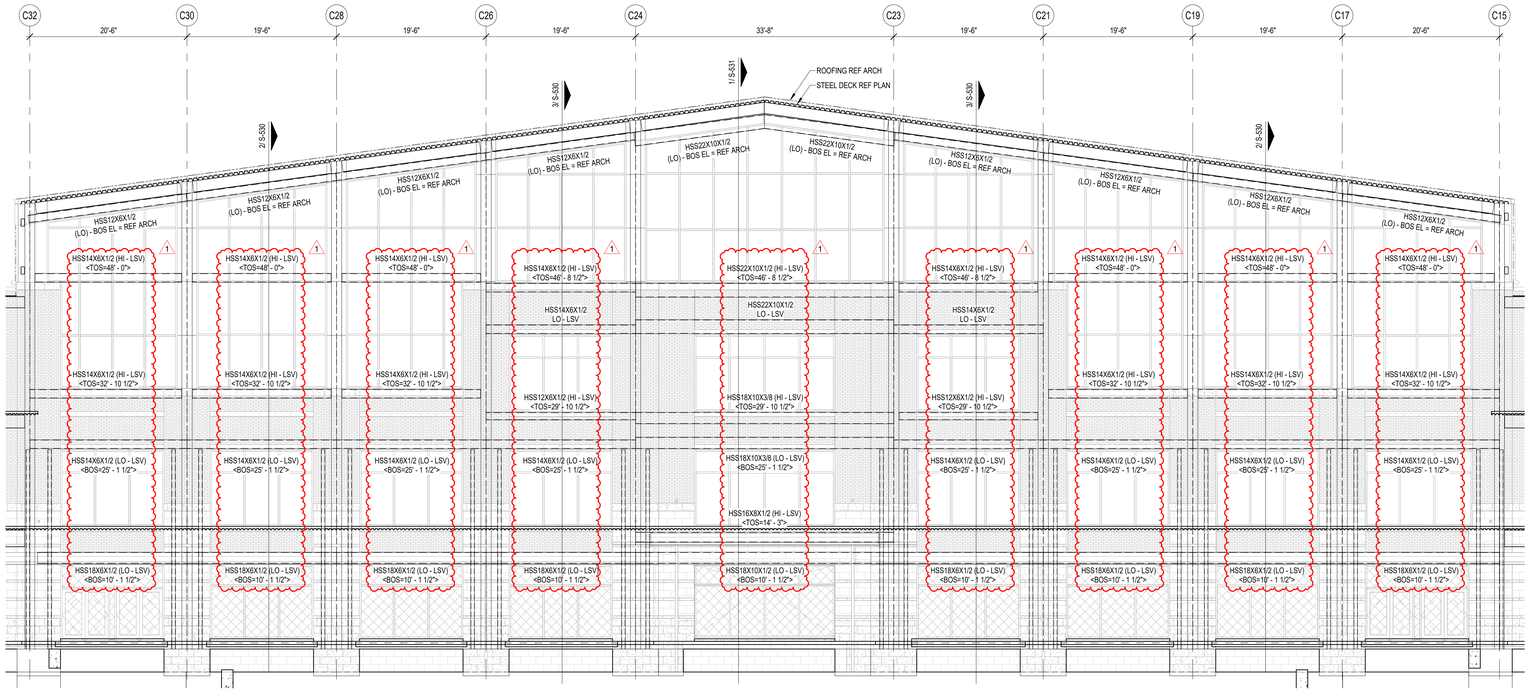
BUILDING SECTIONS

S-532

Plot Stamp:
12/10/2025 4:16:32 PM

BUILDING ELEVATION
S-533
FOR BLUEBEAM LABELING/DOOR:

0"
1"



1 MULTI-PURPOSE FRONT ELEVATION
1/8" = 1'-0"

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106120
PROFESSIONAL ENGINEER
12/05/2025
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DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
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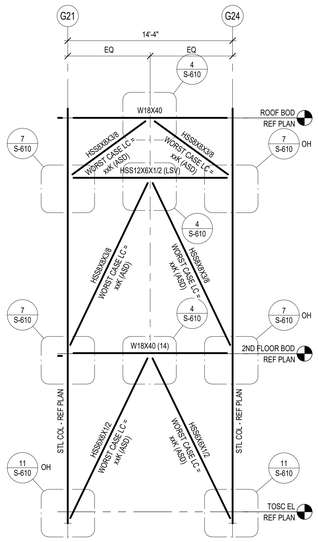
BUILDING ELEVATION

S-533

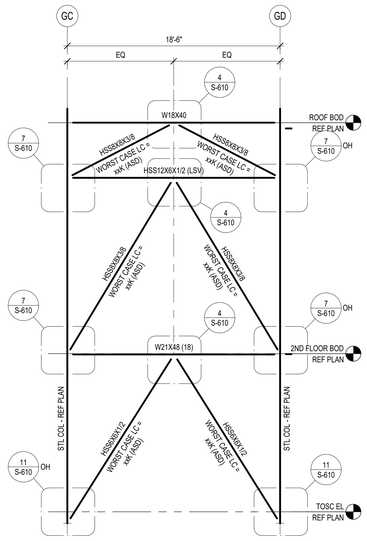
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12/10/2025 4:16:36 PM

0"
1"

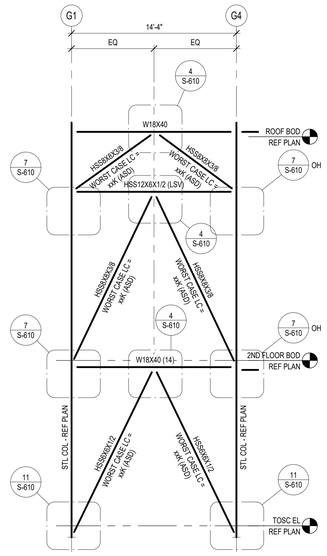
TYPICAL WIND BRACING ELEVATIONS - AREA A
S-600
FOR BLUEBEAM LABELING/DOOR:



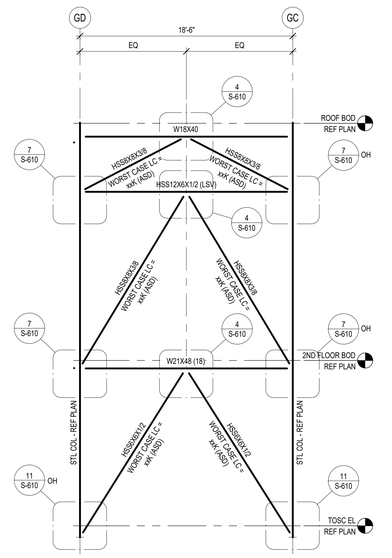
1 BRACE ELEVATION
3/16" = 1'-0"



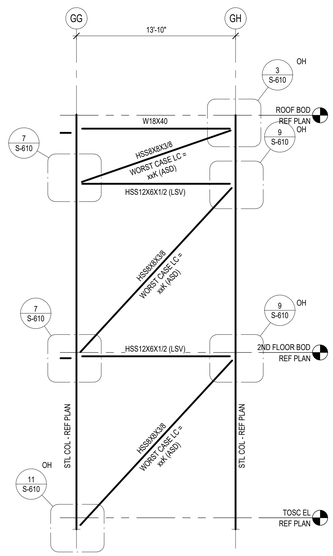
2 BRACE ELEVATION
3/16" = 1'-0"



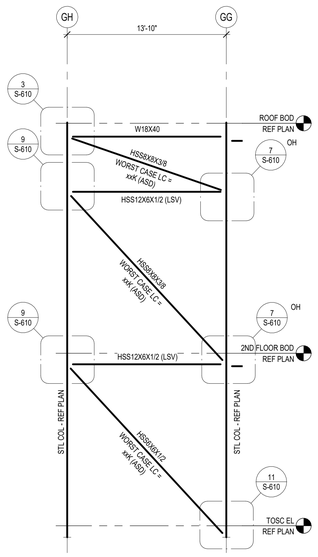
3 BRACE ELEVATION
3/16" = 1'-0"



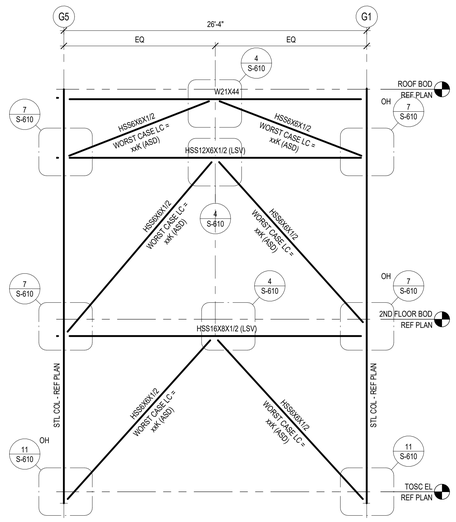
4 BRACE ELEVATION
3/16" = 1'-0"



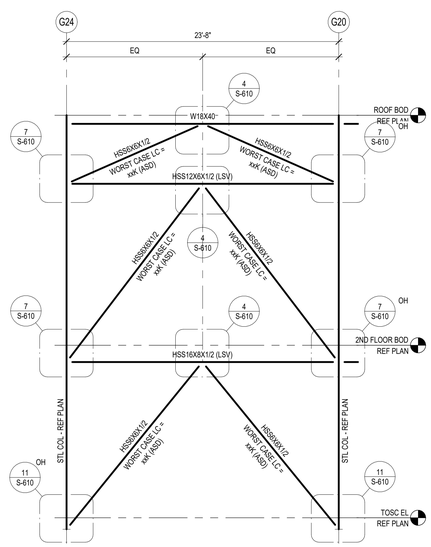
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3/16" = 1'-0"



6 BRACE ELEVATION
3/16" = 1'-0"



7 BRACE ELEVATION
3/16" = 1'-0"



8 BRACE ELEVATION
3/16" = 1'-0"

Plot Stamp:
12/10/2025 4:16:39 PM

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Kubala ENGINEERS
www.kubalaengineers.com
Phone: 832-912-4944
TX REG: No. F-23612

Galena Park ISD

A

KEY PLAN
NORTH: PLAN = TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
LICENSED PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: SI
DRAWN BY: CML

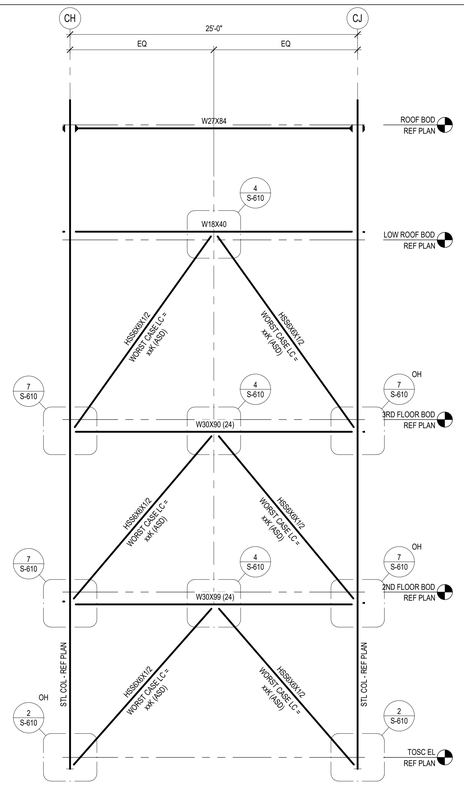
TYPICAL WIND BRACING ELEVATIONS - AREA A

S-600

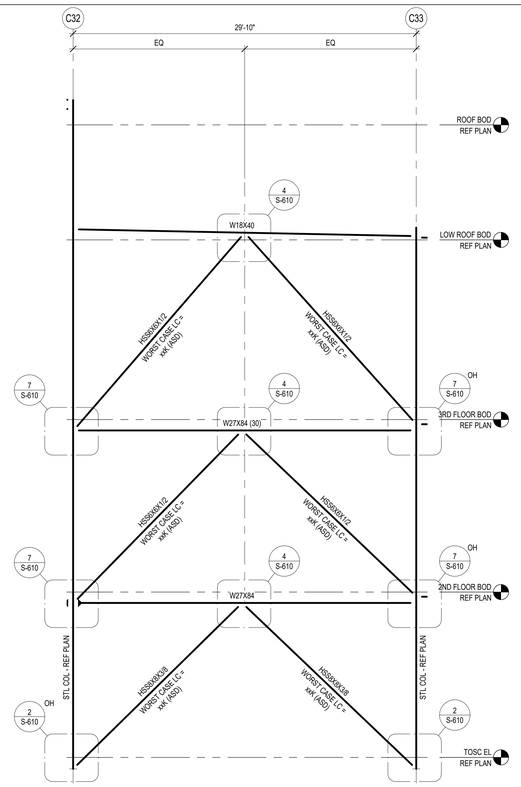
TYPICAL WIND BRACING ELEVATIONS - AREA D

S-604

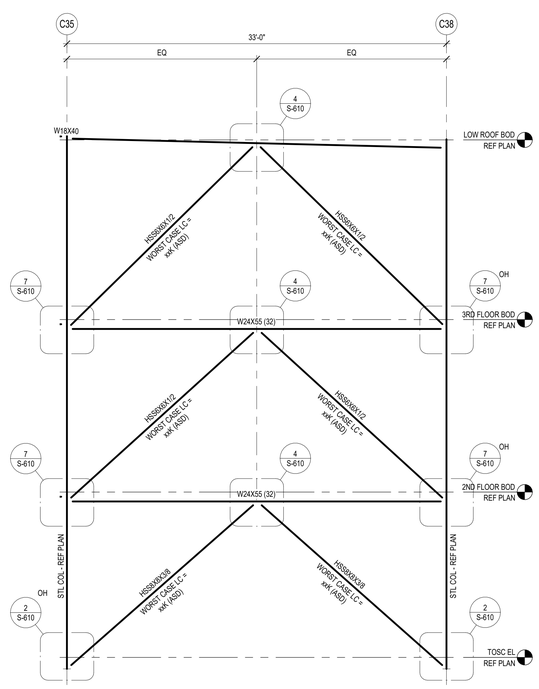
FOR BLUEBEAM LABELING/DOOR:



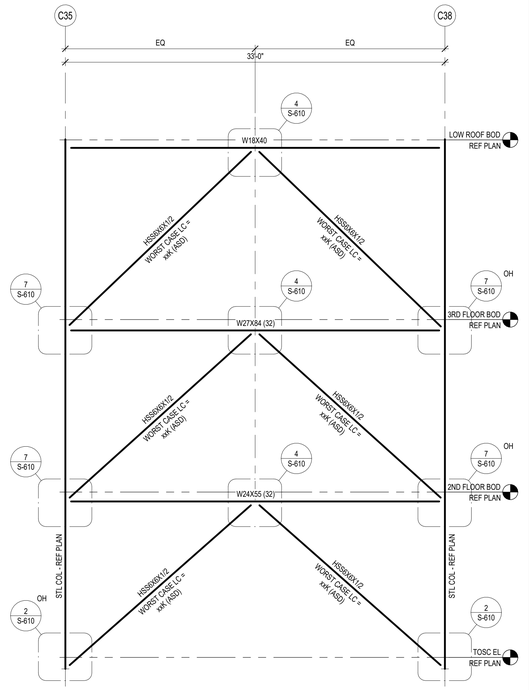
1 BRACE ELEVATION
3/16" = 1'-0"



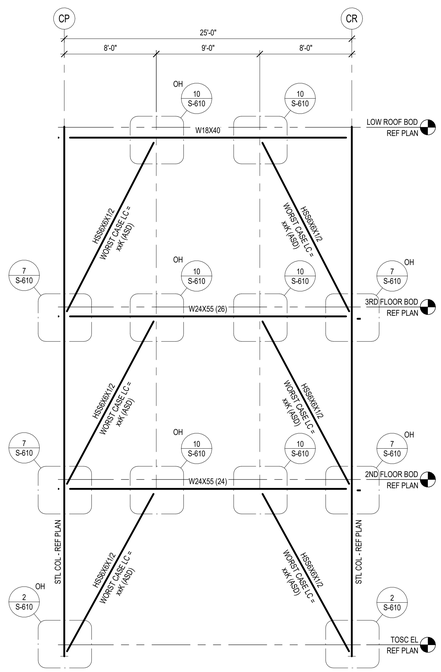
2 BRACE ELEVATION
3/16" = 1'-0"



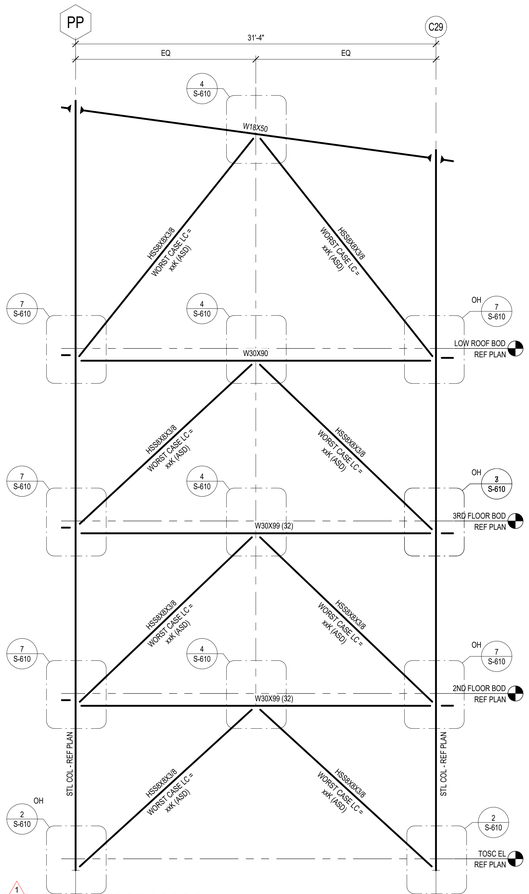
3 BRACE ELEVATION
3/16" = 1'-0"



4 BRACE ELEVATION
3/16" = 1'-0"



5 BRACE ELEVATION
3/16" = 1'-0"



1 BRACE ELEVATION
3/16" = 1'-0"

Plot Stamp:
12/10/2025 4:16:41 PM

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN
NORTH: PLAN TRUE



12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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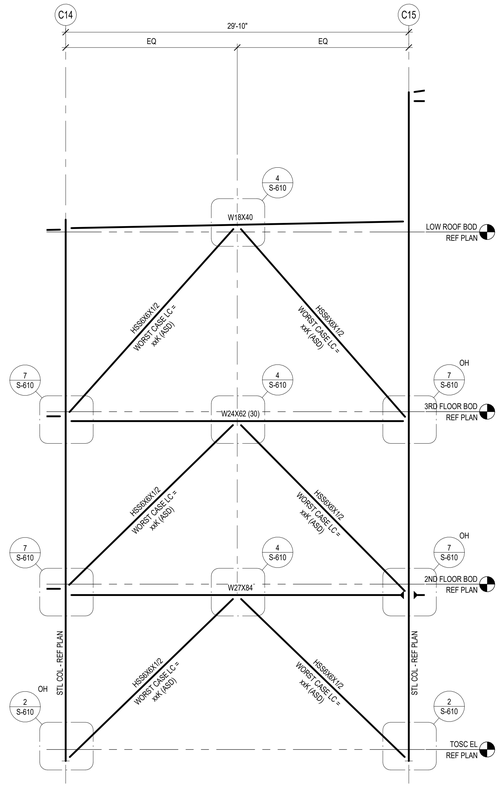
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DRAWN BY: CML

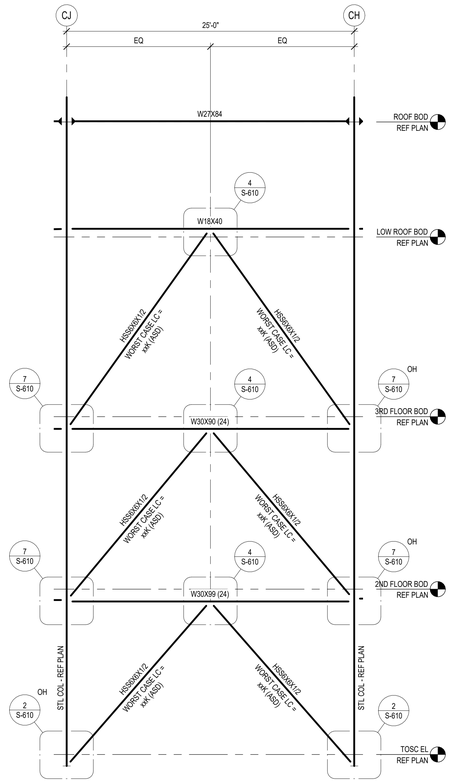
TYPICAL WIND BRACING ELEVATIONS - AREA D

S-604

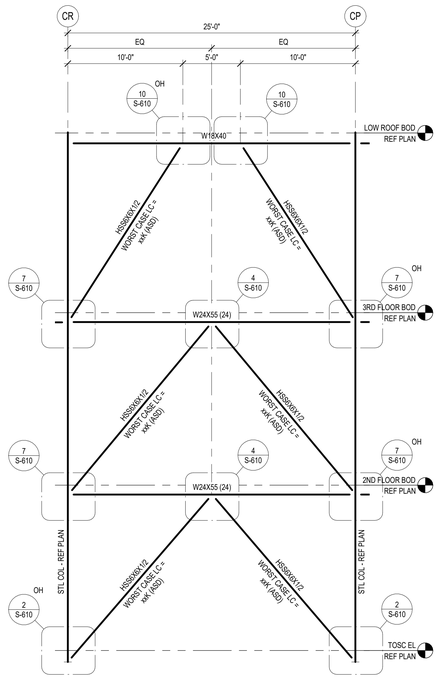
TYPICAL WIND BRACING ELEVATIONS - AREA F
S-606
FOR BLUEBEAM LABELING/DOOR:



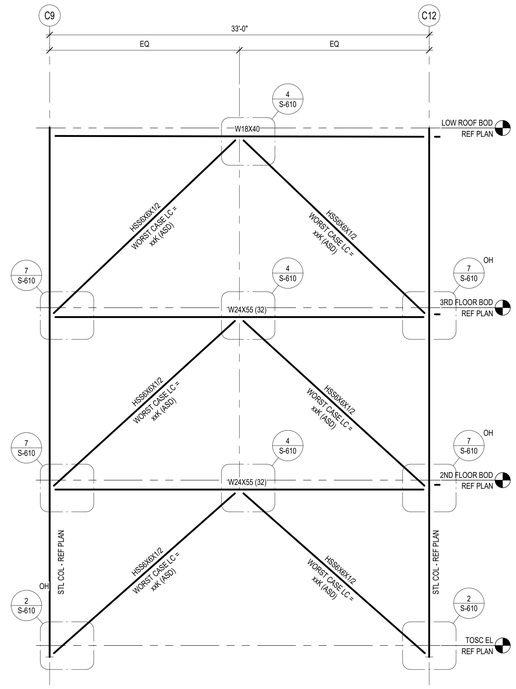
1 BRACE ELEVATION
3/16" = 1'-0"



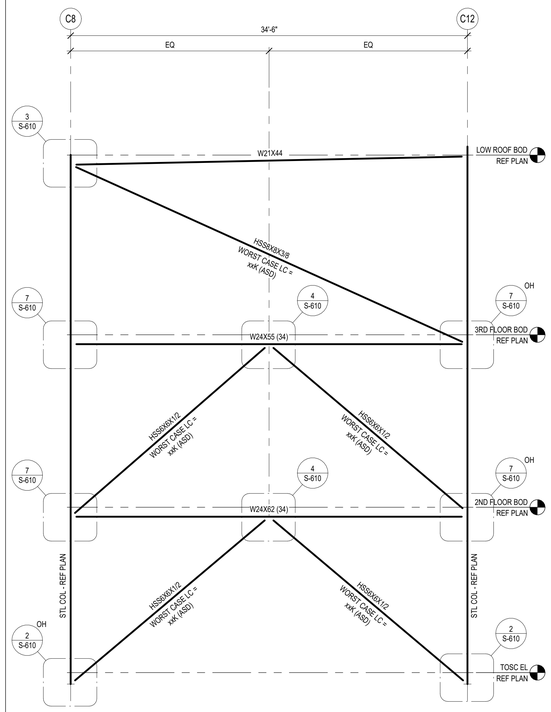
2 BRACE ELEVATION
3/16" = 1'-0"



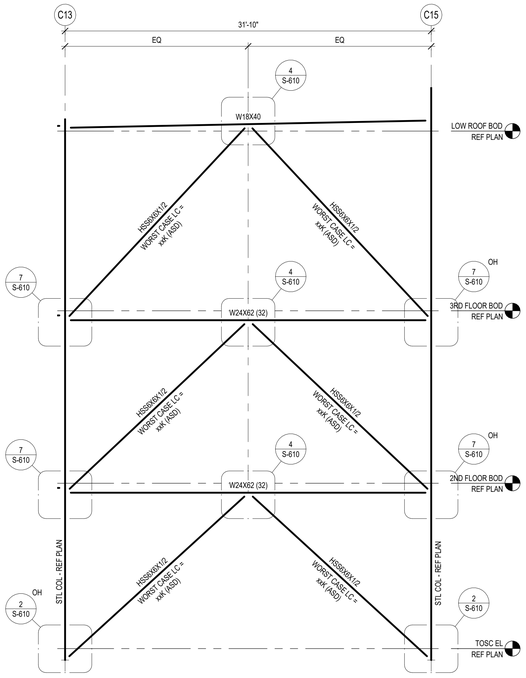
3 BRACE ELEVATION
3/16" = 1'-0"



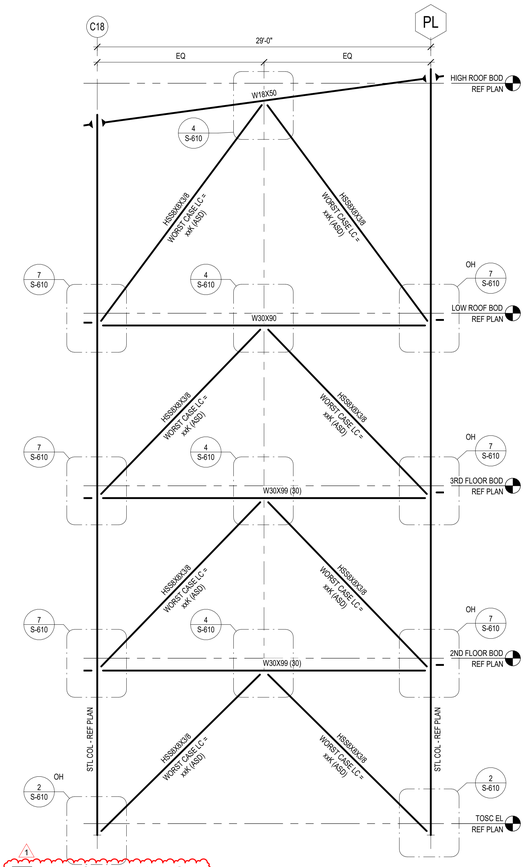
4 BRACE ELEVATION
3/16" = 1'-0"



5 BRACE ELEVATION
3/16" = 1'-0"



6 BRACE ELEVATION
3/16" = 1'-0"



1
7 BRACE ELEVATION
3/16" = 1'-0"

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)
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Phone: 832-328-5274
www.kubalaengineers.com
TX: HC01 NM 1 12801

Galena Park ISD

E

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
JOHN R. KUBALA
106120
PROFESSIONAL ENGINEER
12/05/2025
Kubala Engineers
F-23612

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 01	12/10/2025

CHECKED BY: SI
DRAWN BY: CML

TYPICAL WIND BRACING ELEVATIONS - AREA F

S-606

Plot Stamp:
12/10/2025 4:16:44 PM

SITE PLAN - PHASE 3B
AS-111
FOR BLUEBEAM LABELING/DOOR:

0"
1"

KEYNOTE LEGEND

NUMBER	DESCRIPTION
05 50 00.PBR	PIPE BOLLARD, REMOVABLE

KEENE ST

02/AS-402
01/AS-402
01/AS-403
DECORATIVE GATE
RE LANDSCAPE
EXISTING PERFORMING
ARTS CENTER
CHAINLINK GATE
PROPOSED 3-STORY
ACADEMICS &
MULTIPURPOSE
PROPOSED 2-STORY
GYMNASIUM
BUILDING
EXISTING CTE & DINING
COMMONS BUILDING
DECORATIVE GATE
RE LANDSCAPE
05 50 00.PBR
NEW
CENTRAL
PLANT
(N.I.C.)
(E) GENERATOR
PLATFORM, RE: MEP
(E) SAND / OIL
INTERCEPTOR &
SAMPLE WELL, RE: MEP
(E) FIRE LANE
EXISTING DUMPSTERS
RELOCATED, OWNER
PROVIDED
(E) PAD MOUNTED
TRANSFORMER AND
TAP BOX, RE: MEP
NEW LOCATION OF (E) FIRE
PUMP HOUSE, RE: MEP
NEW LOCATIONS OF (E)
STORAGE TANKS, RE: MEP

01 SITE PLAN
1" = 20'-0"

Plot Stamp:
12/11/2025 4:14:59 PM

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
STATE OF TEXAS
25572

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

SITE PLAN - PHASE 3B

AS-111

LEVEL 1 - AREA B FLOOR PLAN
A-101B
FOR BLUEBEAM LABELING/DOOR:

0"
1"



01 LEVEL 1 - AREA B NEW GYM FLOOR PLAN
1/8" = 1'-0"

GENERAL ARCH PLAN NOTES

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE, CONTACT ARCH IF CLARIFICATION IS NECESSARY IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS.
2. DRAWINGS NOTED AS "N.T.S" OR "NTS" ARE NOT TO SCALE.
3. ALL DIMENSIONS ARE TO STRUCTURAL COLUMN LINES OR THE SURFACE OF PARTITION ASSEMBLY U.N.O.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
5. NOTES OR DIMENSIONS NOTED AS "TYPICAL" OR "TYP." OR "TYP" SHALL APPLY TO CONDITIONS THAT ARE THE SAME OR SIMILAR.
6. DIMENSIONS NOTED AS "FIELD VERIFY" OR "V.I.F." OR "VIF" SHALL BE MEASURED AND CONFIRMED AT THE PROJECT SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCH. BEFORE INCORPORATING INTO THE WORK.
7. DIMENSIONS NOTED AS "CLEAR" OR "CLEAR INSIDE" OR "CLR" REQUIRE SPECIFIC COORDINATION AMONG DISCIPLINES AND OR MANUFACTURERS.
8. REFER TO PARTITION TYPES ON A-600 SERIES SHEETS.
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE M6 U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE M4 U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE.
12. PROVIDE AND INSTALL CONTINUOUS REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE.
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 4 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS.
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT.
16. COORDINATE ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION.
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48.
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES.
19. COORDINATE HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED.
20. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED.
21. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
22. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.
23. REFER TO STRUC FOR SLAB DEPRESSION

KEYNOTE LEGEND

NUMBER	DESCRIPTION
06 20 00.BNC	CUSTOM BENCH
07 95 13.EJC1	INTERIOR, FLOOR, THERMAL-MOVEMENT JOINT COVER
10 22 39.FPH	HORIZONTAL-OPENING FOLDING PANEL PARTITION
10 51 26.LBA	LOCKER BENCH, ACCESSIBLE, 20"D X 42"W
10 51 26.LBC	LOCKER BENCH, 18"D X 48"W
11 46 83.ICE1	ICE MACHINE
11 66 23.VBI	VOLLEYBALL FLOOR INSERT
11 90 00.VDC	COMBINATION VENDING MACHINE (OFOI)
22 40 00.DF	

EQUIPMENT SCHEDULE

TYPE MARK	DESCRIPTION	MANUF	MODEL No.	REMARKS	Count
EQ4	Metal Shelving - 5 Shelves - 36" W x 18" D x 7'-2" H	U-Line	Chrome Wire Shelving/H-2940-54	CFCI	50
EQ7	Metal Shelving - 6 Shelves - 36" W x 18" D x 5'-0" H	U-Line	Chrome Wire Shelving/H-2940-54	CFCI	91
LR1	Gas Dryer - 55 lbs Capacity	HUEBSCH	HT075NMB1G1W03	CFCI	6
LR2	Front Load Washer - 40 lbs Capacity	CONTINENTAL	L105OSR21010	CFCI	6

LOCKER SCHEDULE

Type Mark	Description	Count
A	ATHLETICS LOCKER - SINGLE TIER, PAD LOCK - 15" W x 18" D x 6'-0" H	154
B	ATHLETICS LOCKER - DOUBLE TIERS, PAD LOCK - 15" W x 18" D x 6'-0" H	121
C	ATHLETICS LOCKER - TRIPLE TIERS, PAD LOCK - 15" W x 18" D x 6'-0" H	120
D	ATHLETICS LOCKER - COACH - 18" W x 21" D x 6'-0" H	14

FLOOR PLAN LEGEND

- **10 65 13.4PSSM** METAL SHELVING, 72" H — SHELF LENGTH, SHELF WIDTH
- **10 11 00.MBP** PORCELAIN-ENAMEL MARKERBOARD — LENGTH
- **10 11 00.TKB** TACKBOARD — LENGTH
- CR CARD READER — REFER TO TECHNOLOGY
- OP LV AUTOMATIC OPERATOR — REFER TO TECHNOLOGY
- **F.E.C.** **10 44 00.FE#** FIRE EXTINGUISHER CABINET
- **A.E.D.** **10 43 00.AED** AUTOMATED EXTERNAL DEFIBRILLATOR
- **10 51 26.LBC** LOCKER ROOM BENCH 18" X 48"
- **10 51 26.LBA** ADA BENCH LEFT CLEAENCE 42" X 20"

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park ISD

KEY PLAN — NORTH: PLAN / TRUE

REGISTERED ARCHITECT — JAN EPICOSKY — 25572 — STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

LEVEL 1 - AREA B FLOOR PLAN

A-101B

Plot Stamp:
12/11/2025 5:55:58 PM

LEVEL 1 - AREA E FLOOR PLAN
A-101E

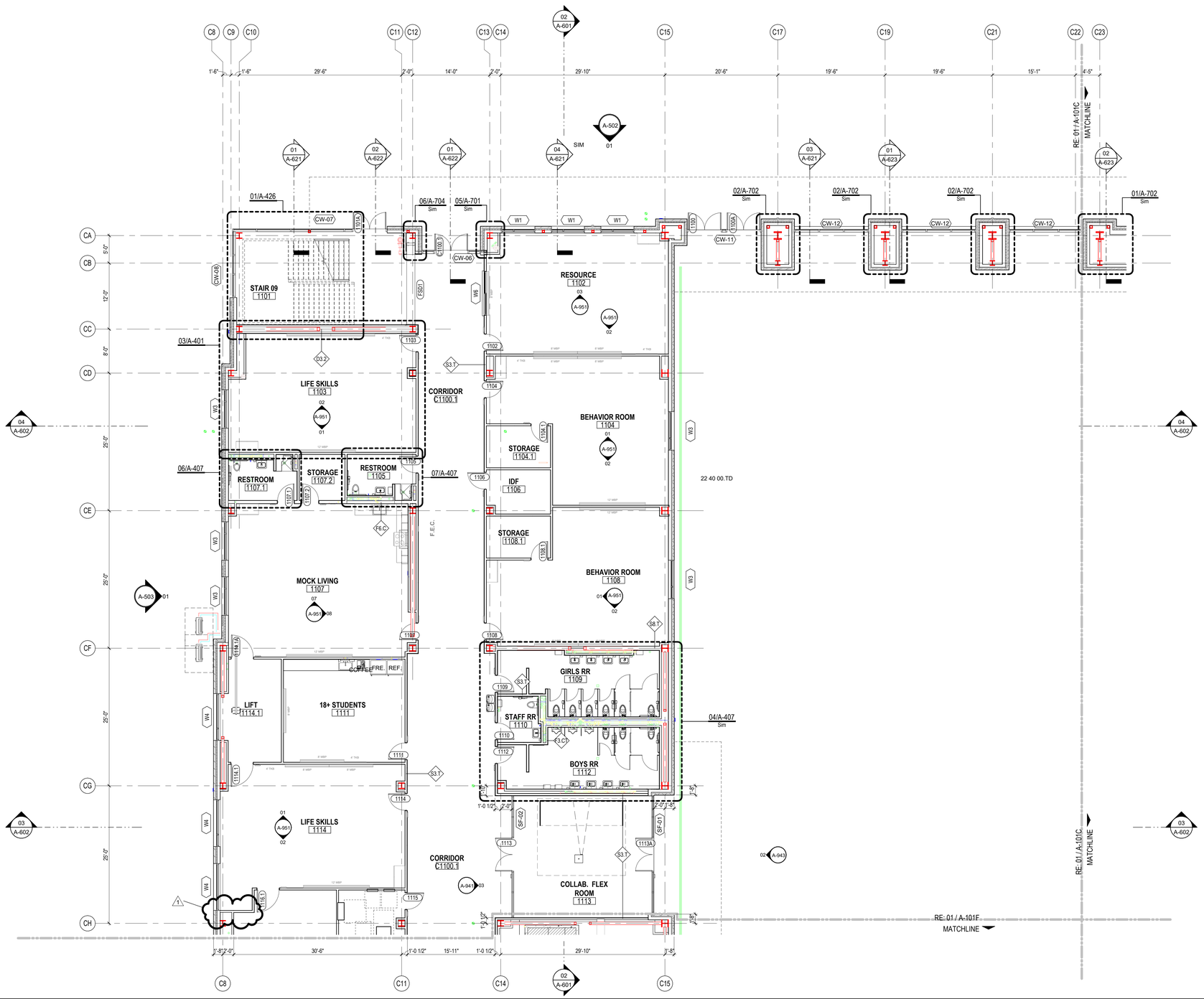
FOR BLUEBEAM LABELING/OCR:

GENERAL ARCH PLAN NOTES

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8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS.
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3, U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE F3.C, U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE.
12. PROVIDE AND INSTALL CONTINUOUS REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE.
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KEYNOTE LEGEND

NUMBER	DESCRIPTION
22 40 00.TD	TRENCH DRAIN, REFER TO PLUMBING



01 LEVEL 1 - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

E

KEY PLAN
NORTH: PLAN TRUE

LISA REGISTERED ARCHITECT LEPICOVSKY 25572

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

LEVEL 1 - AREA E FLOOR PLAN

A-101E

Plot Stamp:
12/11/2025 5:56:03 PM

LEVEL 1 - AREA F FLOOR PLAN
A-101F
FOR BLUEBEAM LABELING/OCR:

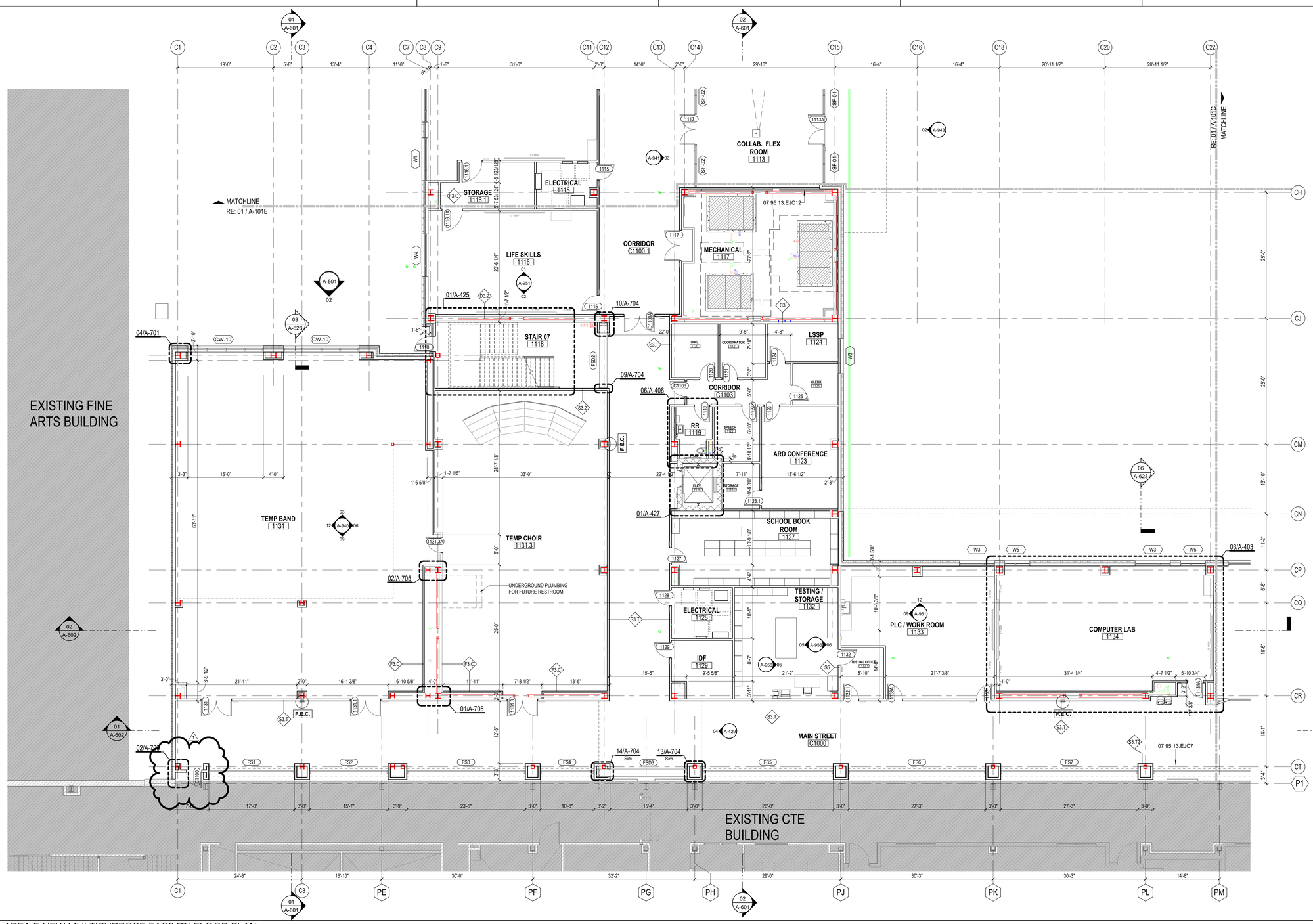
0"
1"

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8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS.
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3, U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE F3.C. U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE.
12. PROVIDE AND INSTALL CONTINUOUS REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE.
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14. ALL DOORS SHALL BE SET 4 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS.
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT.
16. COORDINATE ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION.
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48.
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES.
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21. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
22. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
07 95 13.EJC7	INTERIOR, FIRE-RATED, FLOOR/WALL/CEILING, SEISMIC-MOVEMENT JOINT COVER
07 95 13.EJC12	EXTERIOR, ROOF EXPANSION JOINT COVER



01 LEVEL 1 - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

F

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
IAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

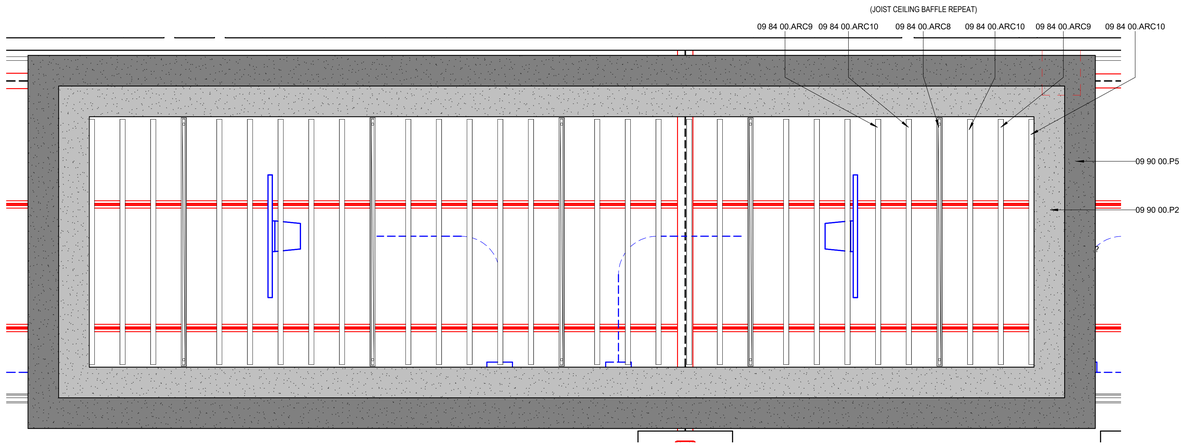
CHECKED BY: Checker
DRAWN BY: Author

LEVEL 1 - AREA F FLOOR PLAN

A-101F

0"
1"

ENLARGED CEILING PLANS
A-204
FOR BLUEBEAM LABELING/DOOR:



1 LEVEL 2 - AREA D CEILING PLAN - ENLARGED
1/2" = 1'-0"

GENERAL CEILING PLAN NOTES

1. ALL CEILING HEIGHTS ARE FROM THE MAIN FLOOR LEVEL WITHIN THE ROOM AND OR SPACE, AND ARE NOT FROM AN ELEVATED FLOOR LEVEL, AND ARE NOT FROM A RECESSED FLOOR LEVEL.
2. NO FIRE SPRINKLER HEADS ARE SHOWN ON ARCHITECTURAL CEILING PLANS. ALL SPRINKLER HEADS SHALL BE CENTERED WITHIN CEILING TILES U.N.O.
3. ONLY CEILING MOUNTED FIXTURES AND EQUIPMENT IS SHOWN ON ARCHITECTURAL CEILING PLANS. REFER TO INTERIOR ELEVATIONS FOR WALL MOUNTED FIXTURES. REFER TO MEPT DOCUMENTS FOR ADDITIONAL INFORMATION CONCERNING CEILING MOUNTED FIXTURES AND OR WALL MOUNTED FIXTURES
4. CEILING MOUNTED LIGHT FIXTURES ARE SHOWN FOR LOCATION PURPOSES ONLY. COORDINATE WITH ELECTRICAL DOCUMENTS FOR LIGHT FIXTURE DESIGNATIONS.
5. CEILING MOUNTED LIGHT FIXTURES WITHIN FIRE RATED CEILING ASSEMBLIES SHALL HAVE LIGHT FIXTURE PROTECTION AND BE TENTED OR OTHERWISE FIRE-RATED TO MATCH CEILING ASSEMBLY FIRE RATING.
6. VERIFY LOCATIONS OF ALL CEILING ACCESS PANELS WITH MEPT DOCUMENTS. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION. CEILING ACCESS PANEL FIRE RATINGS SHALL MATCH CEILING ASSEMBLY FIRE RATINGS.
7. REFER TO WALL SECTIONS FOR WALL-CEILING INTERFACE.
8. ALL EXTERIOR WALLS SHALL EXTEND TO DECK AND BE SEALED, INCLUDING WALLS ADJACENT TO SOFFITS AND ABOVE DOORS AND WINDOWS. THESE EXTERIOR WALLS SHALL BE DAMPROOFED AND INSULATED.
9. COORDINATE LOCATION OF ALL LIGHT FIXTURES, EXIT SIGNS, GRILLES, AND SPEAKERS WITH MEPT DRAWINGS.
10. REFER TO MEP FOR ALL MECHANICAL ROOM LIGHTING AND ANY FIXTURES NOT SHOWN ON ARCHITECTURAL RCP.
11. PAINT ALL DUCTWORK, CONDUITS, PIPING, GYP BOARD CEILING FURRDOWNS, STRUCTURAL BEAMS, STRUCTURAL JOISTS, STRUCTURAL COLUMNS, METAL ROOF DECK, AND OTHER STRUCTURAL MEMBERS - BOTH EXTERIOR AND INTERIOR - WHERE EXPOSED TO VIEW. COORDINATE PAINT COLOR(S) WITH THE ARCHITECT.
12. LIGHTING FIXTURES TO BE CENTERED AND SPACED EQUALLY UNLESS NOTED OTHERWISE.
13. CEILINGS AT ALL SHOWERS SHALL BE EPOXY PAINTED MOISTURE RESISTANT GYP BOARD.
14. ALL CEILING HEIGHT ON THIS SHEET, EXCEPT FOR FURR-DOWNS, SHALL BE AT _10'-0"___ UNLESS NOTED OTHERWISE.
15. ALL WALL-MOUNTED LIGHT FIXTURES ARE TO BE MOUNTED AT ___ A.F.F. TO THE TOP OF THE FIXTURE, UNLESS NOTED OTHERWISE.
16. CONDUIT AND / OR RACEWAY MOUNTED TO STRUCTURAL MEMBERS IN EXPOSED-TO-STRUCTURE SPACES SHALL BE INSTALLED TIGHT TO DECK AND PARALLEL OR PERPENDICULAR TO BUILDING LINES. DO NOT INSTALL CONDUIT, RACEWAY, OR WIRING PERPENDICULAR TO JOISTS NEAR BOTTOM CHORD LEVEL.
17.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
09 84 00.ARC8	ACOUSTIC ROOM COMPONENT TYPE 8 - CEILING-HUNG [ILLUMINATED] BAFFLE
09 84 00.ARC9	ACOUSTIC ROOM COMPONENT TYPE 9 - CEILING-HUNG BAFFLE
09 84 00.ARC10	ACOUSTIC ROOM COMPONENT TYPE 9 - CEILING-HUNG BAFFLE
09 90 00.P2	PAINT TYPE 2 - [L.GRAY ACCENT]
09 90 00.P5	PAINT TYPE 5 - [BLACK ACCENT]

CEILING MATERIALS LEGEND

- **09 51 00.ACT1** ACOUSTICAL CEILING PANEL, TYPE 1 - STANDARD, 2'X2' GRID
- **09 51 00.ACT2** ACOUSTICAL CEILING PANEL, TYPE 2 - VINYL FACED, 2'X2' GRID
- **09 51 00.ACT3** ACOUSTICAL CEILING PANEL, TYPE 3 - HIGH NRC, 2'X2' GRID
- **09 51 00.ACT4** ACOUSTICAL CEILING PANEL, TYPE 4 - REFLECTIVE, 2'X2' GRID
- **09 51 00.ACT5** ACOUSTICAL CEILING PANEL, TYPE 5 - HIGH NRC, 2'X2' GRID, BLACK FINISH
- **09 21 16.GCX** GYPSUM CEILING BOARD, 5/8" TYPE X, NON-RATED
- **07 42 13.SFT1** METAL SOFFIT PANEL SYSTEM
- **09 24 00.PSD** CEMENT PLASTER SOFFIT - DASH FINISH
- **09 54 26.WCS#** WOOD CEILING SYSTEM

CEILING FIXTURE LEGEND

- 2' x 2' RECESSED LIGHT FIXTURE *RE: ELECTRICAL*
- 4" RECESSED CAN LIGHT *RE: ELECTRICAL*
- 2' x 4' RECESSED LIGHT FIXTURE *RE: ELECTRICAL*
- 6" RECESSED CAN LIGHT *RE: ELECTRICAL*
- 1' x 4' RECESSED LIGHT FIXTURE *RE: ELECTRICAL*
- 1' X 4' PENDANT LIGHT FIXTURE *RE: ELECTRICAL*
- SUPPLY AIR CEILING DIFFUSER *RE: MECHANICAL*
- 96" SUSPENDED BAFFLE
- RETURN AIR GRILLE / REGISTER *RE: MECHANICAL*
- 96" SUSPENDED BAFFLE LIT *RE: ELECTRICAL*
- EXHAUST GRILLE / REGISTER *RE: MECHANICAL*
- PROJECTOR

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

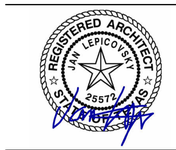
1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

G

KEY PLAN
NORTH: PLAN TRUE



CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date

CHECKED BY: D.Z
DRAWN BY: D.Z

ENLARGED CEILING PLANS

A-204

Plot Stamp:
12/11/2025 5:56:09 PM

0"
1"

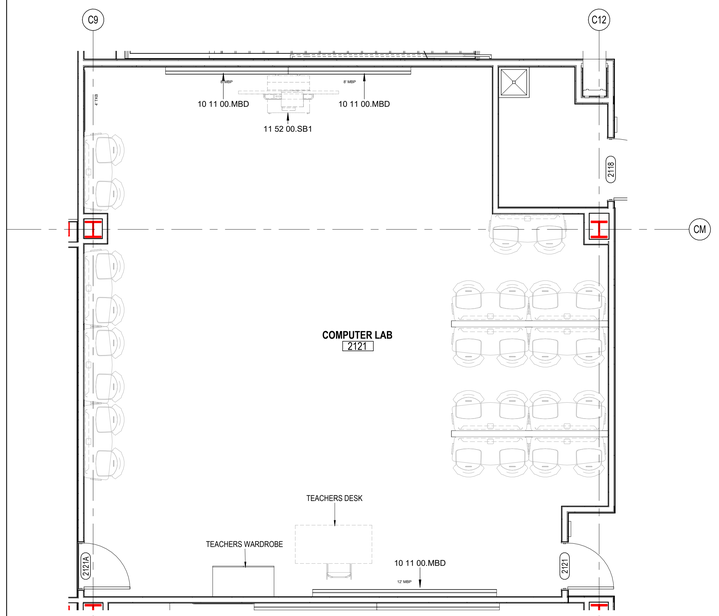
ENLARGED FLOOR PLANS
A-401
FOR BLUEBEAM LABELING/DOCR:

GENERAL ARCH PLAN NOTES

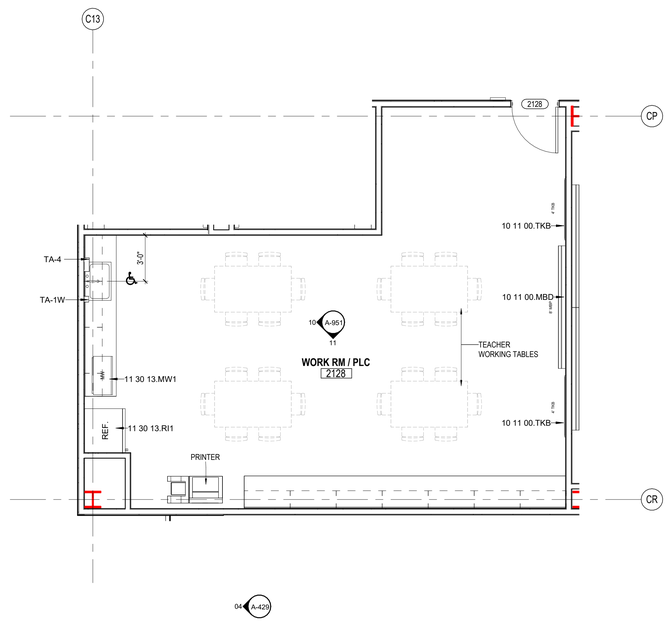
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KEYNOTE LEGEND

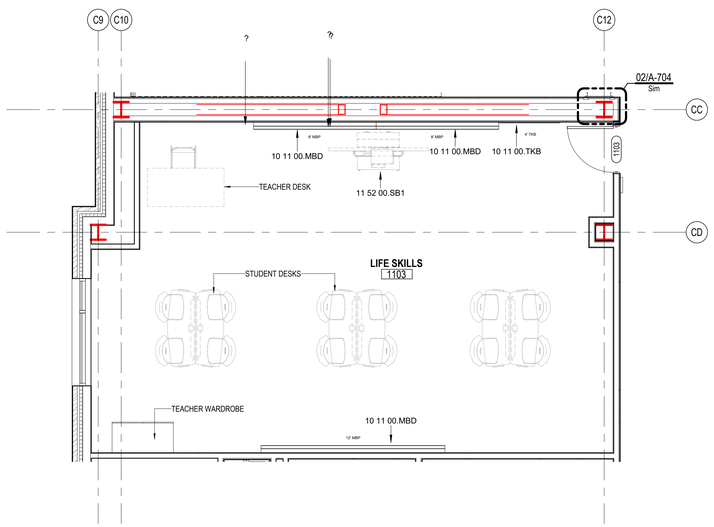
NUMBER	DESCRIPTION
10 11 00.MBD	12' MARKERBOARD
10 11 00.SDU	HORIZONTAL-SLIDING VISUAL DISPLAY UNITS
10 11 00.TKB	TACKBOARD
11 30 13.CD1	CLOTHES DRYER
11 30 13.CW1	CLOTHES WASHER
11 30 13.MW1	COUNTERTOP	MICROWAVE
11 30 13.RH	
11 30 13.RI1	
11 52 00.SB1	SMARTBOARD (OFOI)
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



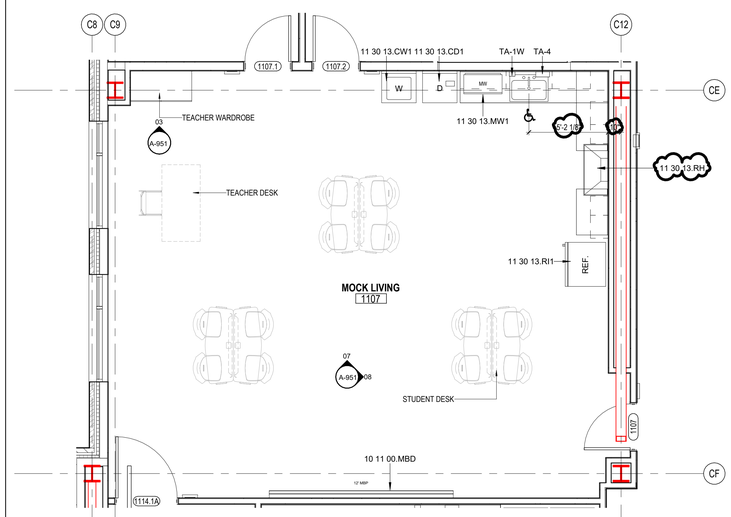
05 COMPUTER LAB - 2121
1/4" = 1'-0"



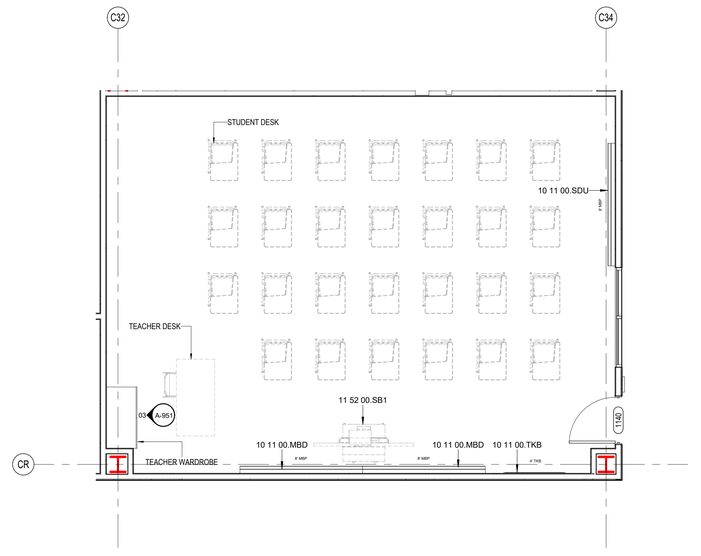
04 LEVEL 2 - AREA F FLOOR PLAN - WORK ROOM / PLACE
1/4" = 1'-0"



03 LEVEL 1 - AREA E FLOOR PLAN - TYPICAL LIFE SKILLS
1/4" = 1'-0"



02 LEVEL 1 - AREA E FLOOR PLAN - MOCK LIVING
1/4" = 1'-0"



01 TYPICAL CLASSROOM
1/4" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

ENLARGED FLOOR PLANS

A-401

ENLARGED FLOOR PLANS
A-402

FOR BLUEBEAM LABELING/OCR:

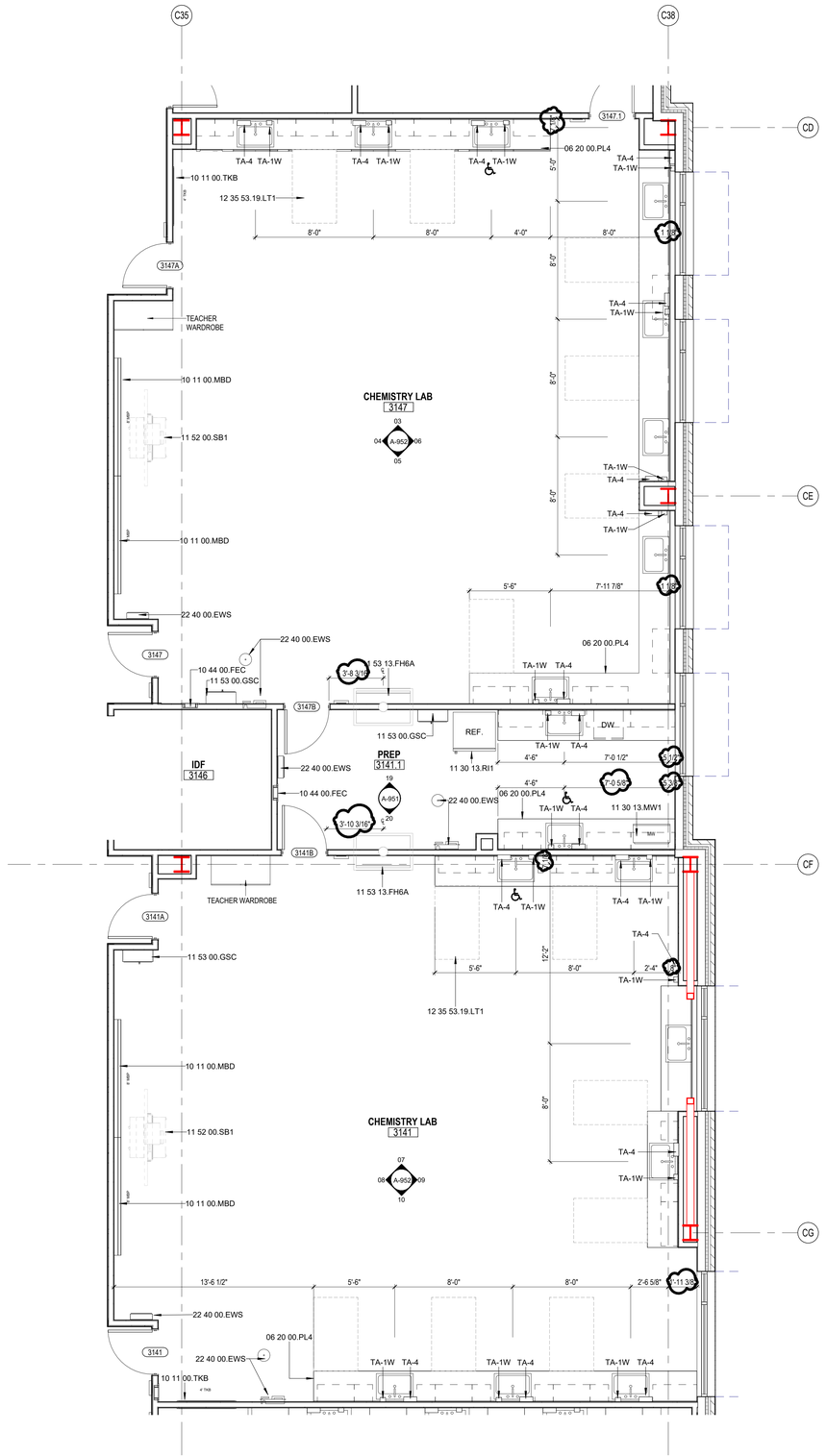
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GENERAL ARCH PLAN NOTES

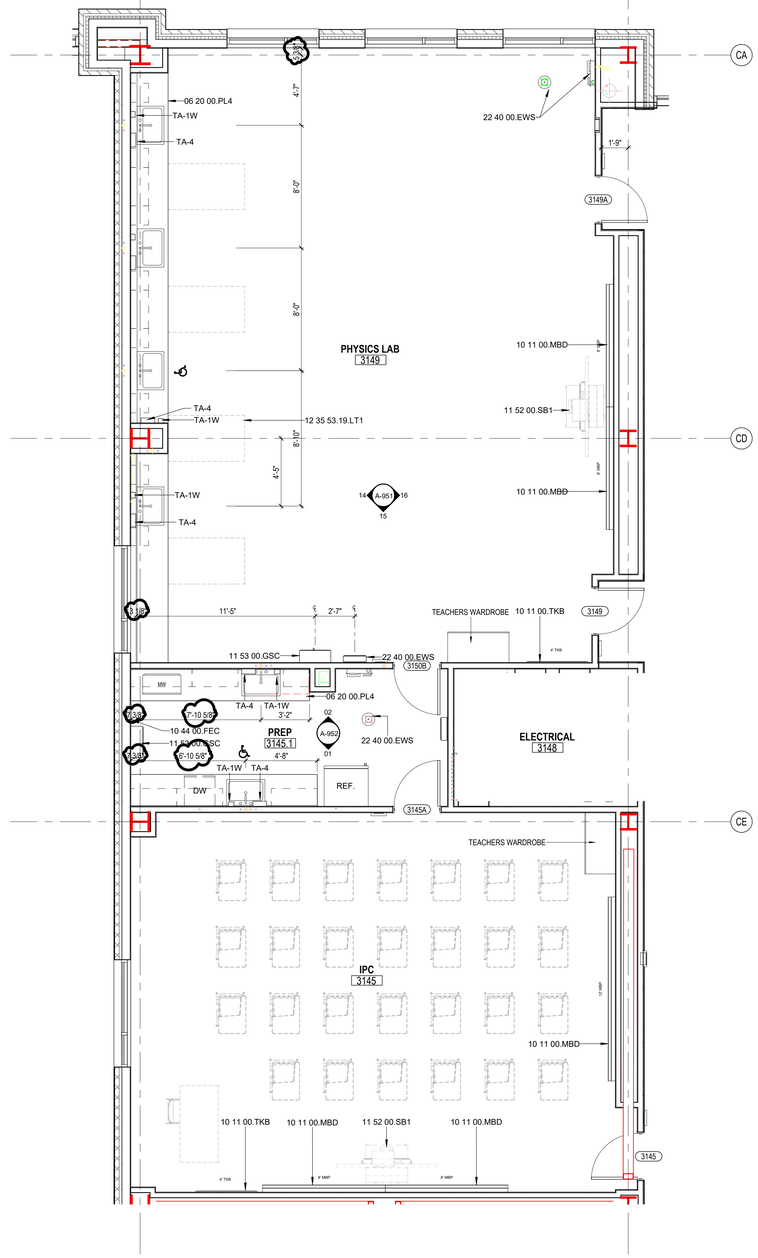
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KEYNOTE LEGEND

NUMBER	DESCRIPTION
06 20 00.PL4	PLASTIC LAMINATE, TYPE 4 - [COUNTERTOPS]
10 11 00.MBD	12' MARKERBOARD
10 11 00.TKB	TACKBOARD
10 44 00.FEC	FIRE EXTINGUISHER CABINET
11 30 13.MW1	[COUNTERTOP] MICROWAVE
11 30 13.RI1	
11 52 00.SB1	SMARTBOARD (OFOI)
11 53 00.GSC	
11 53 13.FH6A	FUME HOOD, 6 FOOT LENGTH ACCESSIBLE
12 35 53.19.LT1	LABORATORY TABLE, TYPE 1
22 40 00.EWS	EMERGENCY EYEWASH AND SHOWER, REFER TO PLUMBING
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



02 LEVEL 3 - AREA C FLOOR PLAN - CHEMISTRY LAB 3147 & 3141
1/4" = 1'-0"



01 LEVEL 3 - AREA C FLOOR PLAN - PHYSICS LAB 3149 & IPC 3145
1/4" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN

NORTH: PLAN TRUE

JAN LEPICOVSKY
REGISTERED ARCHITECT
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE
December 5, 2025

PROJECT NUMBER
240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

DRAWN BY: Author

ENLARGED FLOOR PLANS

A-402

Plot Stamp:
12/11/2025 5:56:18 PM

ENLARGED FLOOR PLANS
A-403

FOR BLUEBEAM LABELING/OCR:

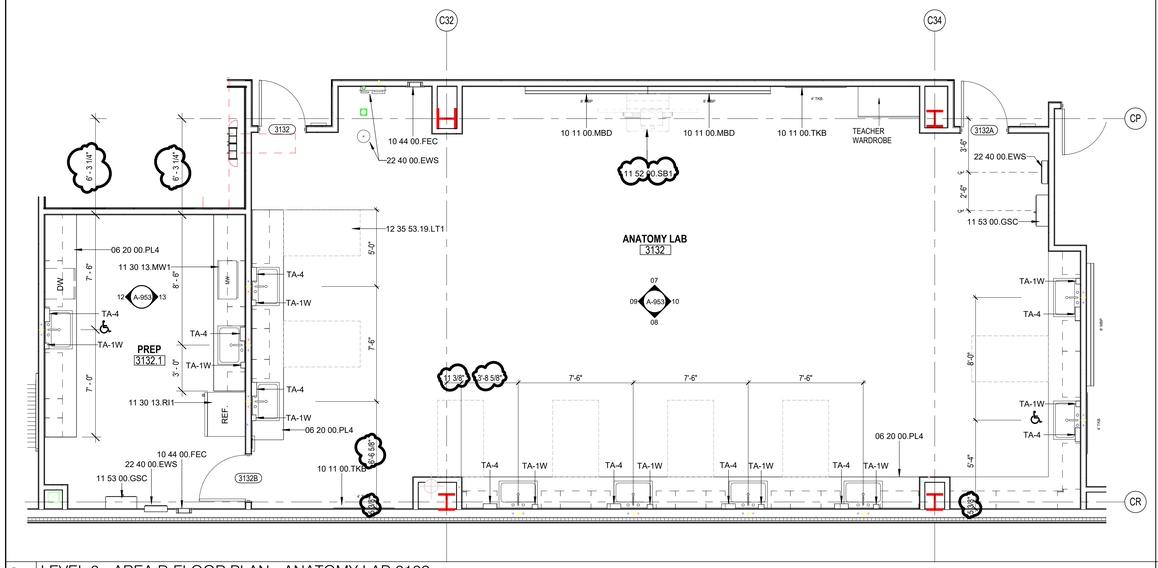
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GENERAL ARCH PLAN NOTES

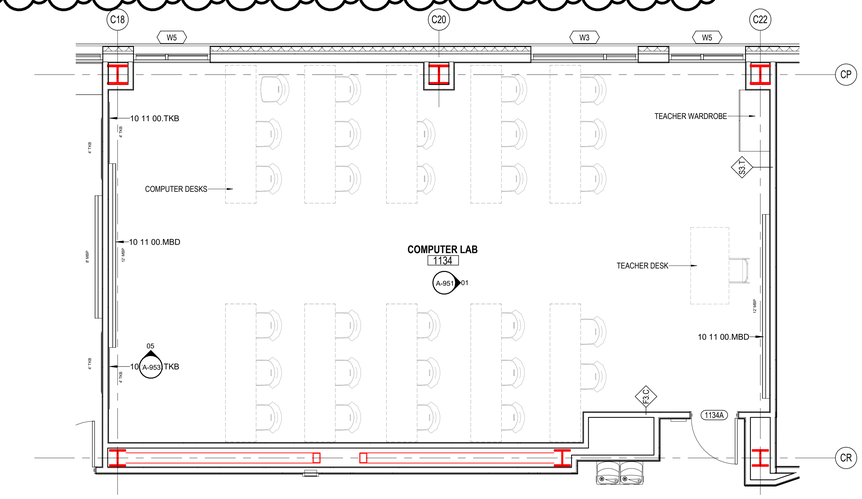
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14. ALL DOORS SHALL BE SET 4 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS.
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT.
16. COORDINATE ALL ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO FLOOR SLAB CONSTRUCTION.
17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48.
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES.
19. COORDINATE HOUSEKEEPING PAD LOCATIONS AND DIMENSIONS WITH EQUIPMENT TO BE INSTALLED.
20. ALL REQUIRED ACCESSIBLE CLEARANCES FOR ALL ITEMS, INCLUDING BUT NOT LIMITED TO ALL COUNTER TOPS, ALL PLUMBING FIXTURES, ALL DRINKING FOUNTAINS, ALL ELECTRIC WATER COOLERS, ALL LAVATORIES, ALL URINALS, ALL TOILETS SHALL BE STRICTLY ENFORCED.
21. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
22. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.

KEYNOTE LEGEND

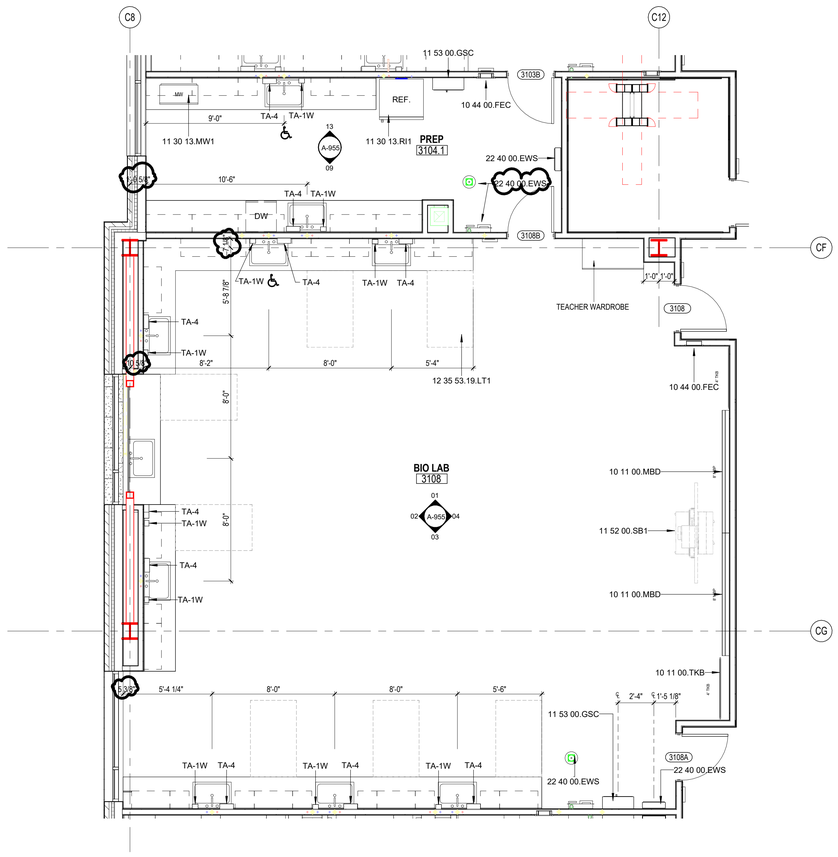
NUMBER	DESCRIPTION
06 20 00.PL4	PLASTIC LAMINATE, TYPE 4 - [COUNTERTOPS]
10 11 00.MBD	12' MARKERBOARD
10 11 00.TKB	TACKBOARD
10 44 00.FEC	FIRE EXTINGUISHER CABINET
11 30 13.MW1	[COUNTERTOP] MICROWAVE
11 30 13.RI1	
11 52 00.SB1	SMARTBOARD (OFOI)
11 53 00.GSC	
12 35 53.19.LT1	LABORATORY TABLE, TYPE 1 (OFOI)
22 40 00.EWS	EMERGENCY EYEWASH AND SHOWER, REFER TO PLUMBING
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



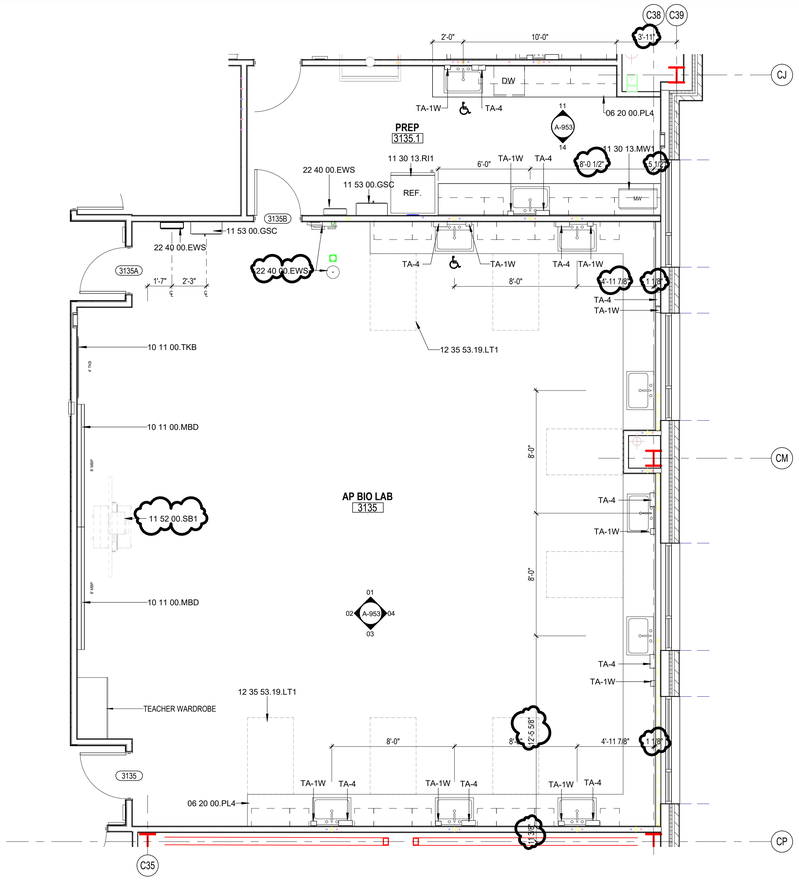
04 LEVEL 3 - AREA D FLOOR PLAN - ANATOMY LAB 3132
1/4" = 1'-0"



03 COMPUTER LAB - 1134
1/4" = 1'-0"



02 LEVEL 3 - AREA E FLOOR PLAN - BIO LAB 3108
1/4" = 1'-0"



01 LEVEL 3 - AREA D FLOOR PLAN - AP BIO LAB 3135
1/4" = 1'-0"

Plot Stamp:

PBK

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HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

JAN LEPICOVSKY
REGISTERED ARCHITECT
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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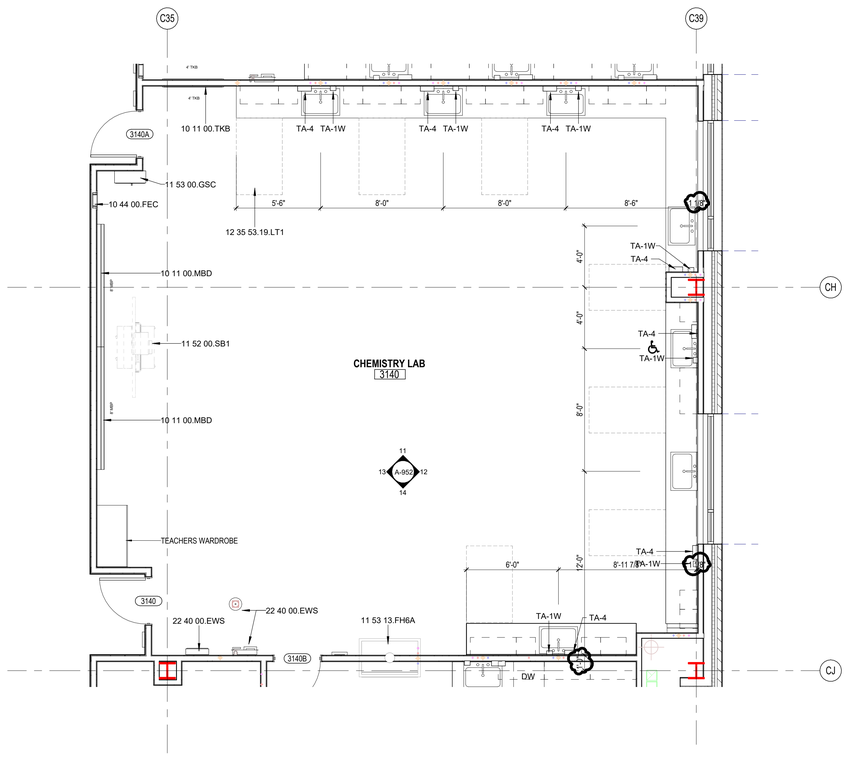
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DRAWN BY: Author

ENLARGED FLOOR PLANS

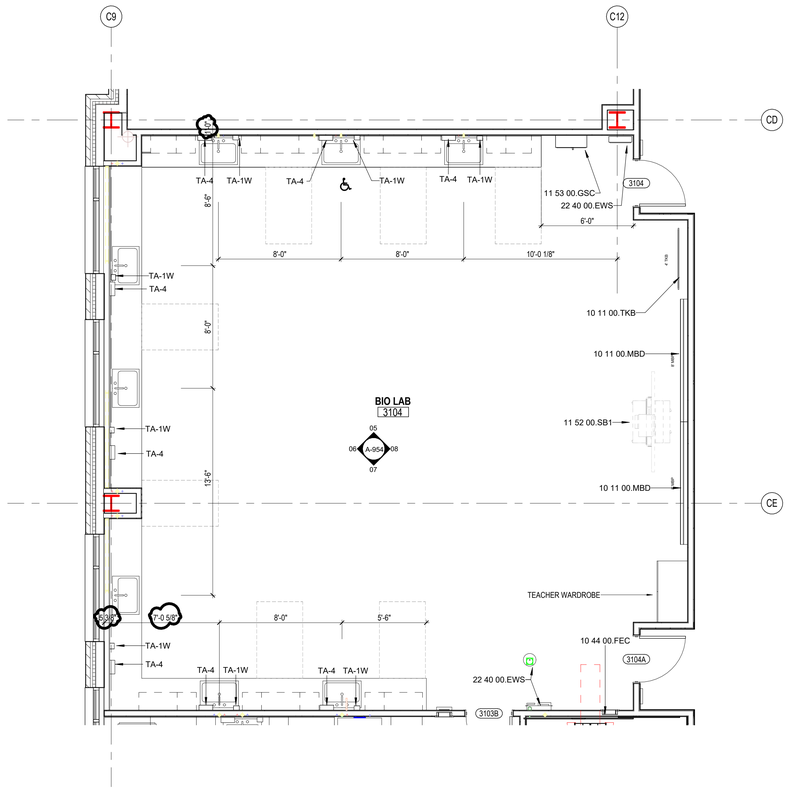
A-403

ENLARGED FLOOR PLANS
A-404
FOR BLUEBEAM LABELING/DOOR:

0"
1"



03 LEVEL 3 - AREA C FLOOR PLAN - CHEMISTRY LAB 3140
1/4" = 1'-0"



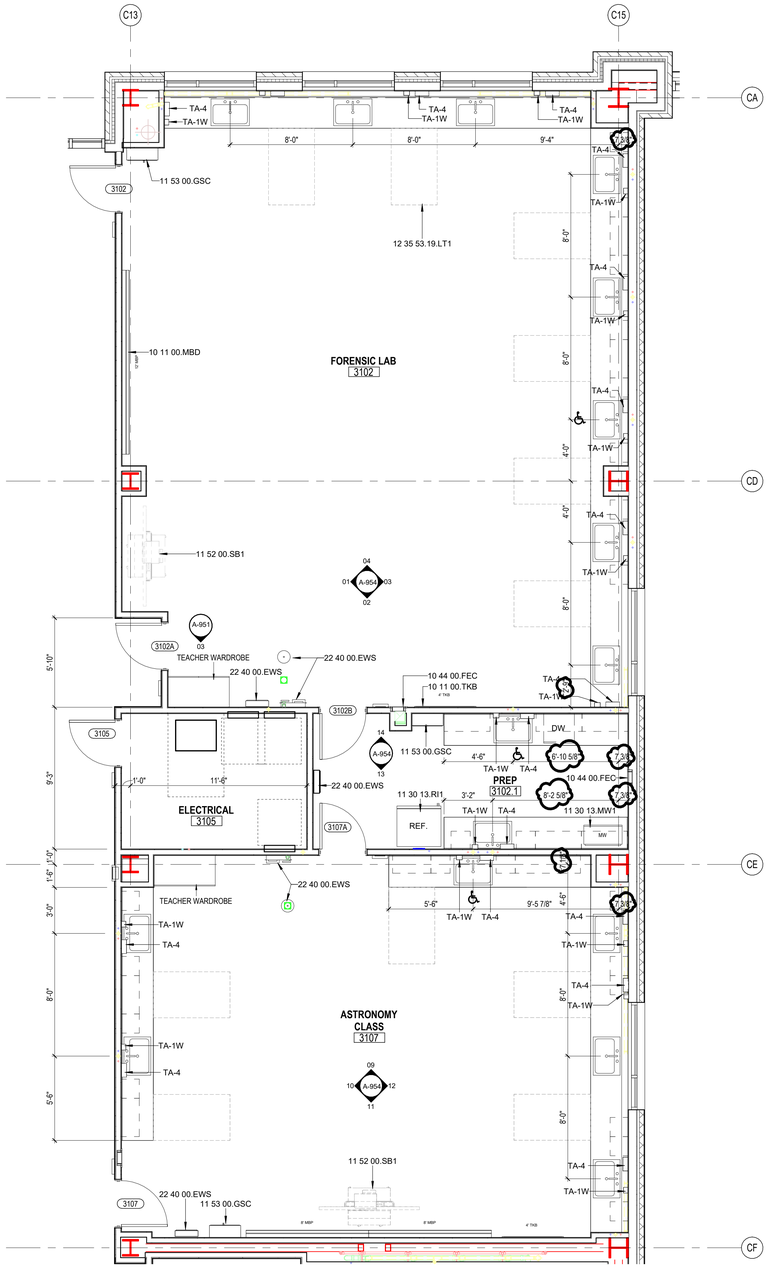
02 LEVEL 3 - AREA E FLOOR PLAN - BIO LAB 3104
1/4" = 1'-0"

GENERAL ARCH PLAN NOTES

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS TAKE PRECEDENCE, CONTACT ARCH IF CLARIFICATION IS NECESSARY IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS.
2. DRAWINGS NOTED AS "N.T.S" OR "NTS" ARE NOT TO SCALE.
3. ALL DIMENSIONS ARE TO STRUCTURAL COLUMN LINES OR THE SURFACE OF PARTITION ASSEMBLY U.N.O.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
5. NOTES OR DIMENSIONS NOTED AS "TYPICAL" OR "TYP." OR "TYP" SHALL APPLY TO CONDITIONS THAT ARE THE SAME OR SIMILAR.
6. DIMENSIONS NOTED AS "FIELD VERIFY" OR "V.I.F." OR "VIF" SHALL BE MEASURED AND CONFIRMED AT THE PROJECT SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCH. BEFORE INCORPORATING INTO THE WORK.
7. DIMENSIONS NOTED AS "CLEAR" OR "CLEAR INSIDE" OR "CLR" REQUIRE SPECIFIC COORDINATION AMONG DISCIPLINES AND OR MANUFACTURERS.
8. REFER TO PARTITION TYPES ON A-800 SERIES SHEETS.
9. ALL INTERIOR PARTITIONS THIS SHEET, EXCEPT FOR FURR-OUT PARTITIONS, SHALL BE PARTITION TYPE S3, U.N.O.
10. ALL INTERIOR FURR-OUT PARTITIONS THIS SHEET SHALL BE PARTITION TYPE F3.C, U.N.O.
11. ALIGN FINISHED FACE OF WALLS WHERE WALL PARTITIONS OF DIFFERING THICKNESS ABUT AND OR ADJOIN IN THE SAME PLANE.
12. PROVIDE AND INSTALL CONTINUOUS REVEAL TRIM AT JOINT WHERE GYPSUM BOARD WALL PARTITIONS ABUT AND OR ADJOIN MASONRY WALL PARTITIONS IN THE SAME PLANE.
13. ALL INTERIOR CMU OUTSIDE CORNERS SHALL HAVE BULLNOSE U.N.O.
14. ALL DOORS SHALL BE SET 4 INCHES OFF THE ADJACENT PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR U.N.O., NOTIFY ARCH. OF ANY DOOR-RELATED CONFLICTS, INCLUDING BUT NOT LIMITED TO CONFLICTS CONCERNING ACCESSIBILITY STANDARDS.
15. ALL DOOR THRESHOLDS AT ALL EXTERIOR DOORS SHALL BE SET IN FULL BED OF SEALANT.
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17. ALL FLOOR SLOPES TO FLOOR DRAINS SHALL NOT EXCEED 1:48.
18. PROVIDE AND INSTALL SELF-LEVELING UNDERLAYMENT WHERE UNEVEN FLOOR SLAB EXISTS PRIOR TO INSTALLATION OF FLOOR FINISHES.
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21. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL STEEL MEMBERS AT ALL EXTERIOR CANOPY LOCATIONS.
22. REFER TO OTHER DISCIPLINE DOCUMENTS FOR ADDITIONAL SCOPE OF WORK.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
10 11 00.MBD	12' MARKERBOARD
10 11 00.TKB	TACKBOARD
10 44 00.FEC	FIRE EXTINGUISHER CABINET
11 30 13.MW1	[COUNTERTOP] MICROWAVE
11 30 13.RI1	
11 52 00.SB1	SMARTBOARD (OFOI)
11 53 00.GSC	
11 53 13.FH6A	FUME HOOD, 6 FOOT LENGTH, GOOSENECK
12 35 53.19.LT1	LABORATORY TABLE, TYPE 1
22 40 00.EWS	EMERGENCY EYEWASH AND SHOWER, REFER TO PLUMBING
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



01 LEVEL 3 - AREA E FLOOR PLAN - FORENSIC LAB 3102 / ASTRONOMY CLASS 3107
1/4" = 1'-0"

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HOUSTON, TX
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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	Galena Park ISD
DATE	December 5, 2025
PROJECT NUMBER	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

ENLARGED FLOOR PLANS

A-404

Plot Stamp:
12/11/2025 5:56:28 PM

ENLARGED FLOOR PLANS
A-405
FOR BLUEBEAM LABELING/OCR:

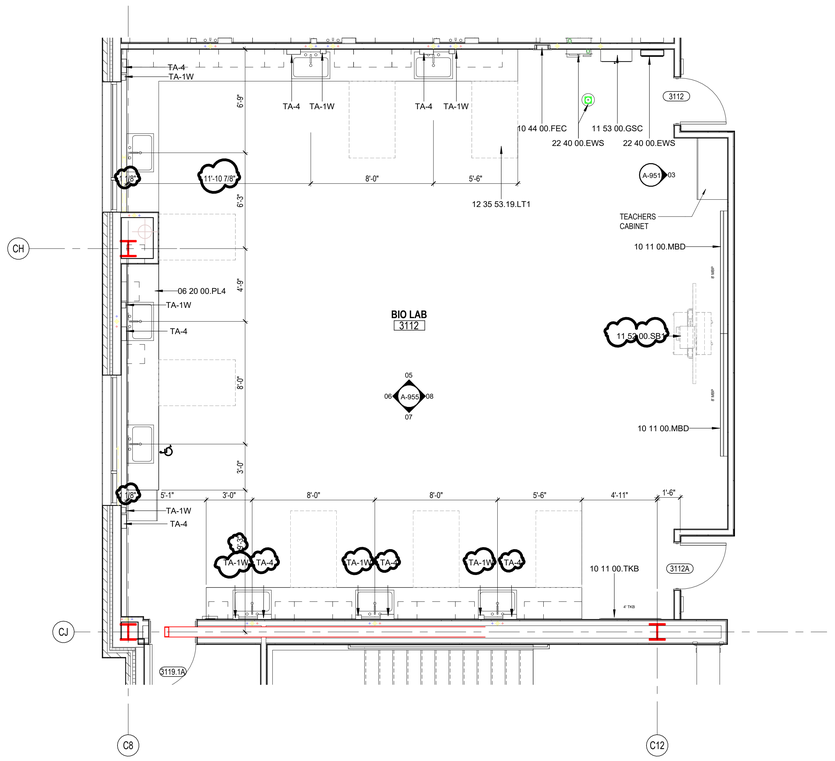
0"
1"

GENERAL ARCH PLAN NOTES

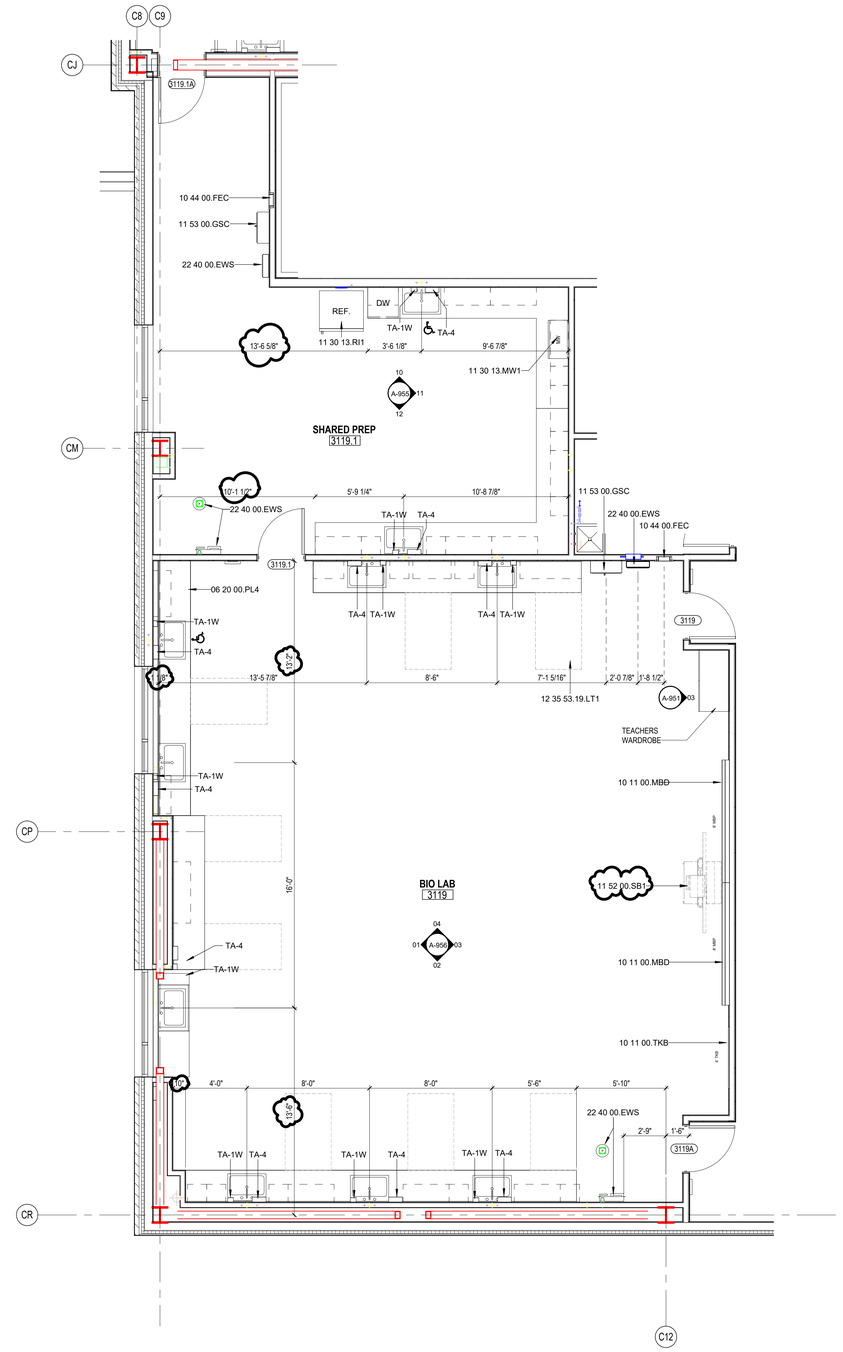
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11 30 13.RI1	
11 52 00.SB1	SMARTBOARD (OFOI)
11 53 00.GSC	(OFOI)
12 35 53.19.LT1	LABORATORY TABLE, TYPE 1
22 40 00.EWS	EMERGENCY EYEWASH AND SHOWER, REFER TO PLUMBING
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



02 LEVEL 3 - AREA F FLOOR PLAN- BIO LAB 3112
1/4" = 1'-0"



01 LEVEL 3 - ENLARGED PLAN - AREA F - 3119.1 SHARED PREP ROOM & BIO LAB 3119
1/4" = 1'-0"

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HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN ≈ TRUE

REGISTERED ARCHITECT
IAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

ENLARGED FLOOR PLANS

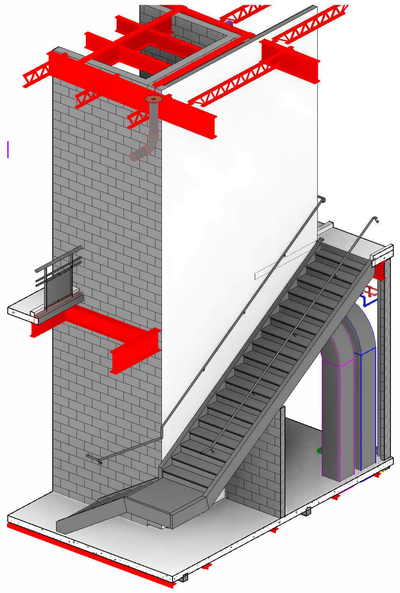
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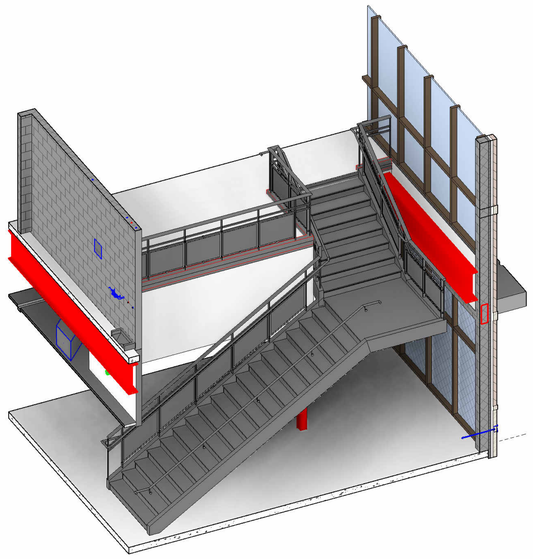
ENLARGED STAIR PLANS AND SECTIONS
A-420

FOR BLUEBEAM LABELING/DOOR:

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1"



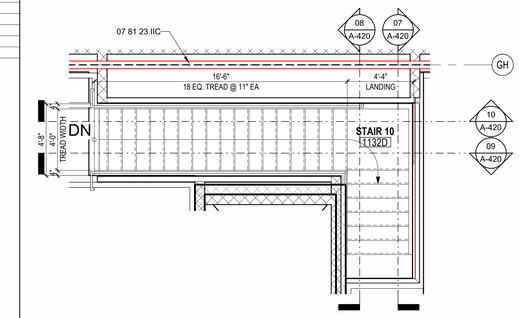
13 ISOMETRIC STAIR 01 - Area B



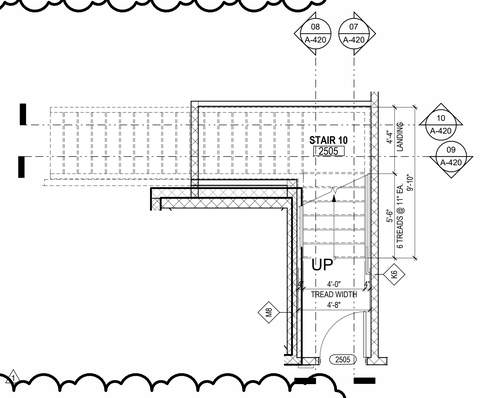
12 ISOMETRIC STAIR 01 - Area B

KEYNOTE LEGEND

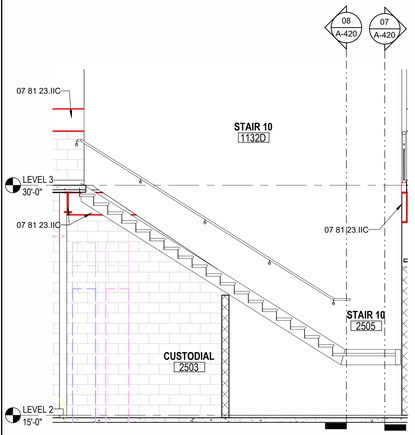
NUMBER	DESCRIPTION
05 52 00.HRL	HANDRAIL, 1-1/2" O.D.
05 52 00.MRA	ALUMINUM RAILING SYSTEM
07 81 23.IIC	INTERIOR INTUMESCENT COATING
10 73 16.13.ACS	ALUMINUM CANOPY SYSTEM



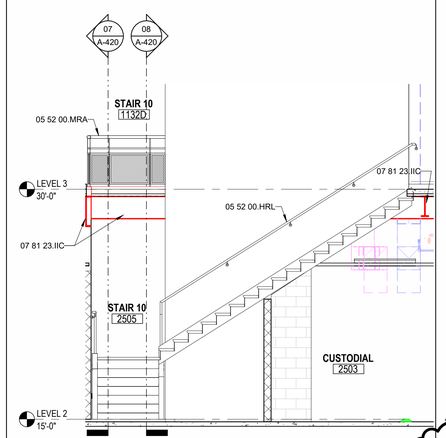
14 LEVEL 3 - AREA B FLOOR PLAN - STAIR 10
1/4" = 1'-0"



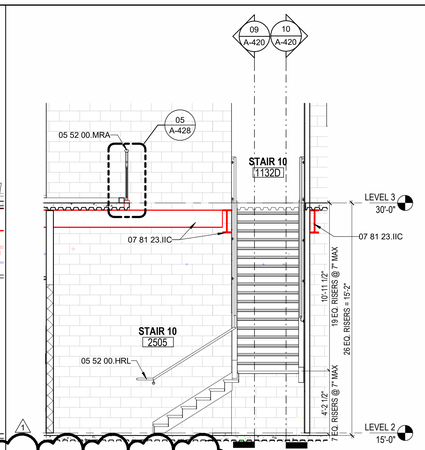
11 LEVEL 2 - AREA B FLOOR PLAN - STAIR 10
1/4" = 1'-0"



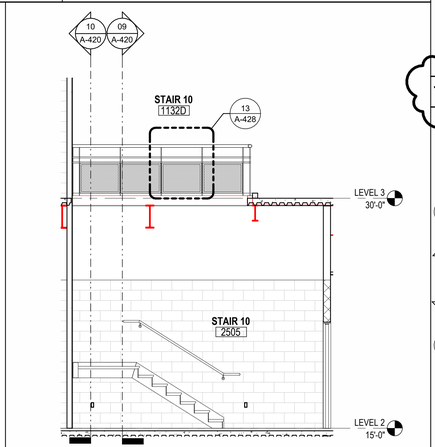
10 STAIR 10 SECTION 04
1/4" = 1'-0"



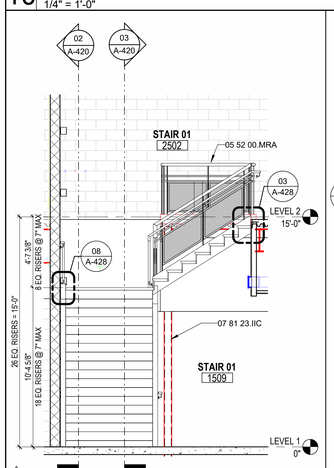
09 STAIR 10 SECTION 03
1/4" = 1'-0"



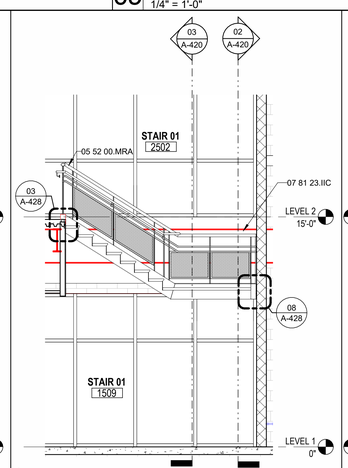
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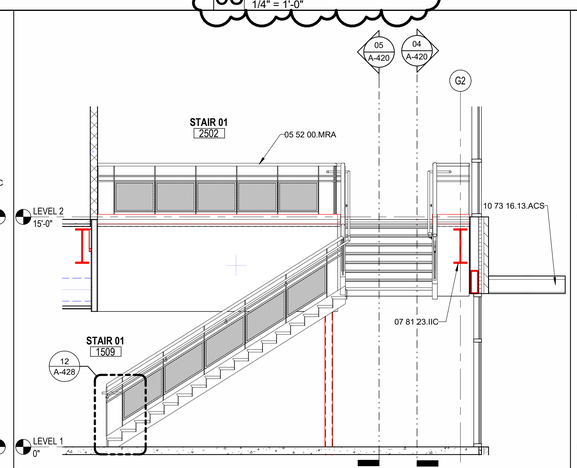
07 STAIR 10 SECTION 01
1/4" = 1'-0"



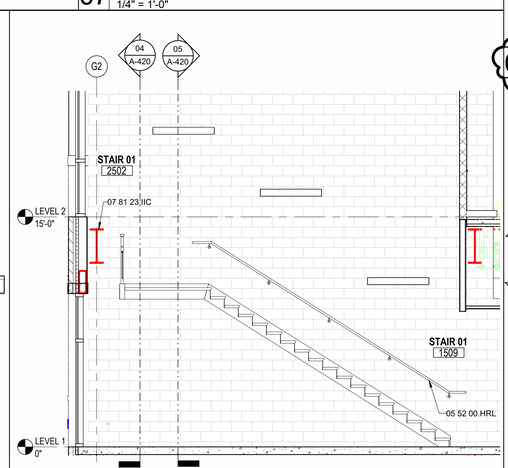
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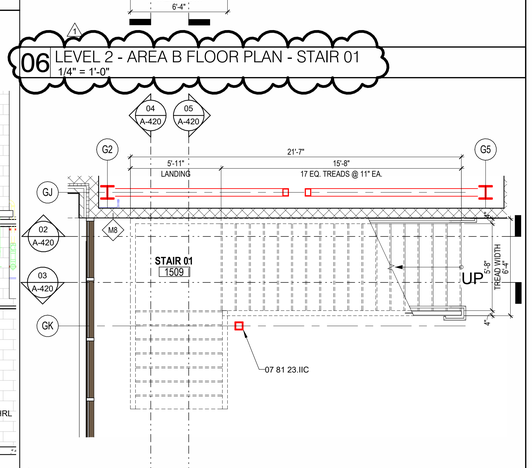
04 STAIR 01 SECTION 03
1/4" = 1'-0"



03 STAIR 01 SECTION 02
1/4" = 1'-0"



02 STAIR 01 SECTION 01
1/4" = 1'-0"



06 LEVEL 2 - AREA B FLOOR PLAN - STAIR 01
1/4" = 1'-0"

01 LEVEL 1 - AREA B FLOOR PLAN - STAIR 01
1/4" = 1'-0"

Plot Stamp:
12/11/2025 5:56:49 PM

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713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

JAN LEPICOVSKY 25572 REGISTERED ARCHITECT STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: Checker

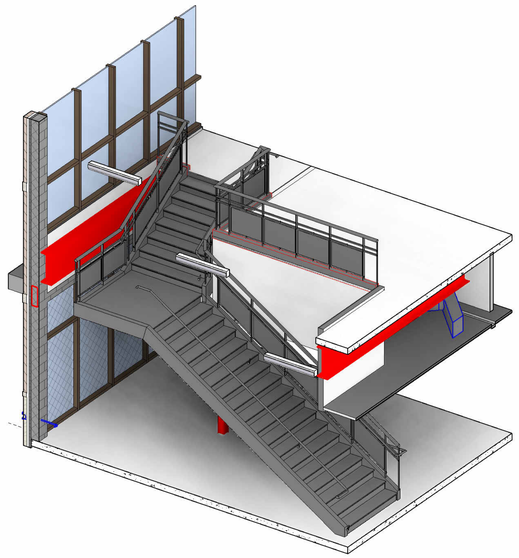
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ENLARGED STAIR PLANS AND SECTIONS

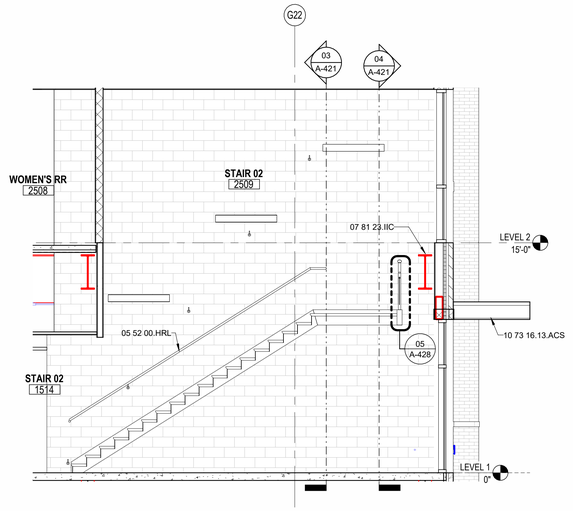
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1"

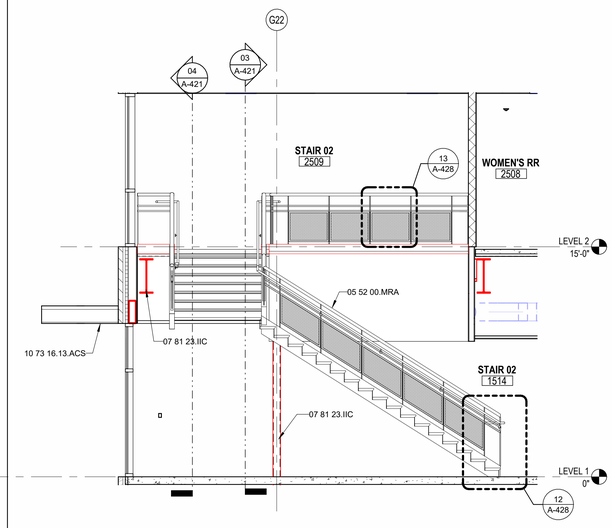
ENLARGED STAIR PLANS AND SECTIONS
A-421
FOR BLUEBEAM LABELING/DOOR:



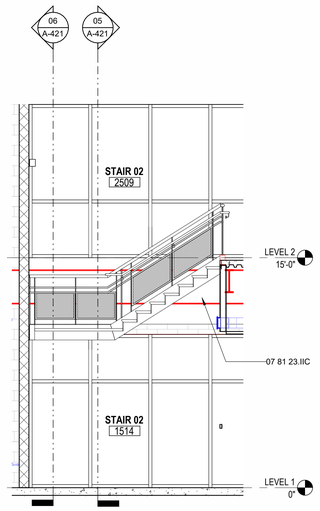
07 ISOMETRIC STAIR 02 - AREA B



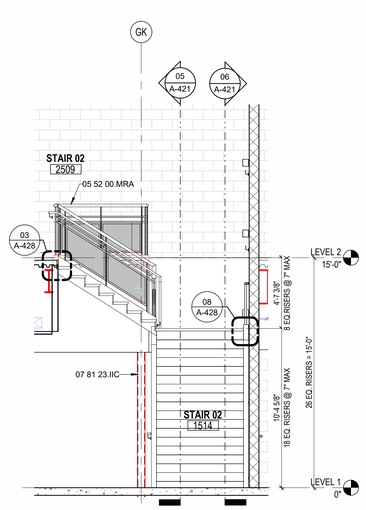
06 STAIRS 02 SECTION 04
1/4" = 1'-0"



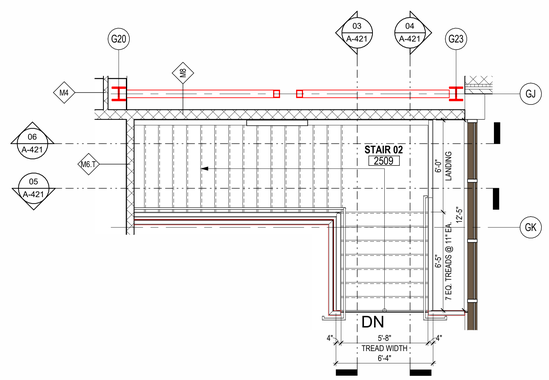
05 STAIRS 02 SECTION 03
1/4" = 1'-0"



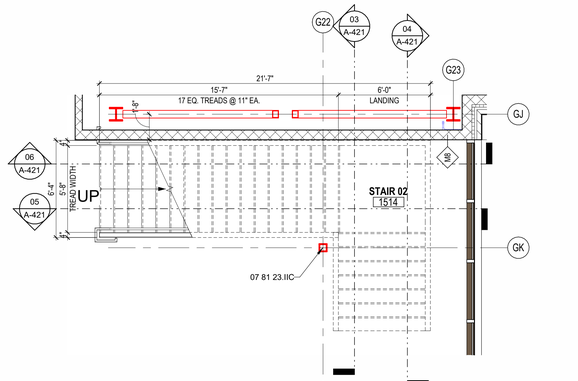
04 STAIR 02 SECTION 02
1/4" = 1'-0"



03 STAIR 02 SECTION 01
1/4" = 1'-0"



02 LEVEL 2 - AREA B FLOOR PLAN - STAIR 02
1/4" = 1'-0"



01 LEVEL 1 - AREA B FLOOR PLAN - STAIR 02
1/4" = 1'-0"

Plot Stamp:
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PBK

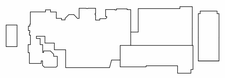
HOUSTON, TX
713-865-6008
TX FIRM: BR 1608
www.pbk.com

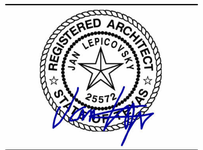
PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE





CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

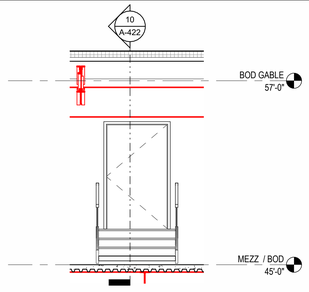
CHECKED BY: Checker
DRAWN BY: Author

1 ENLARGED STAIR PLANS AND SECTIONS

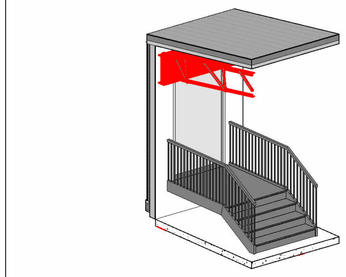
A-421

ENLARGED STAIR PLANS AND SECTIONS
A-422
FOR BLUEBEAM LABELING/DOOR:

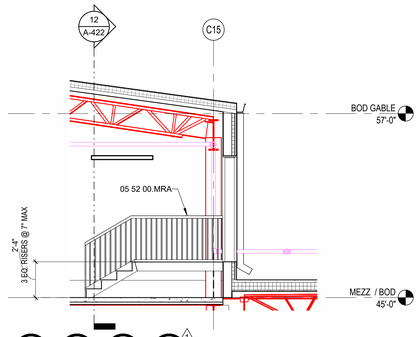
0"
1"



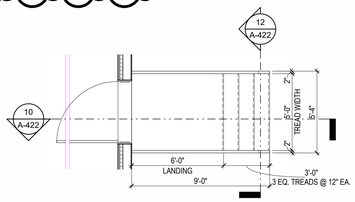
12 STAIR 11 - SECTION 02
1/4" = 1'-0"



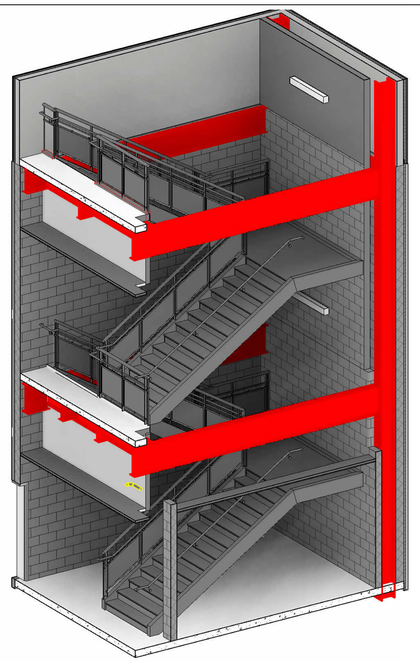
11 ISOMETRIC STAIR 11



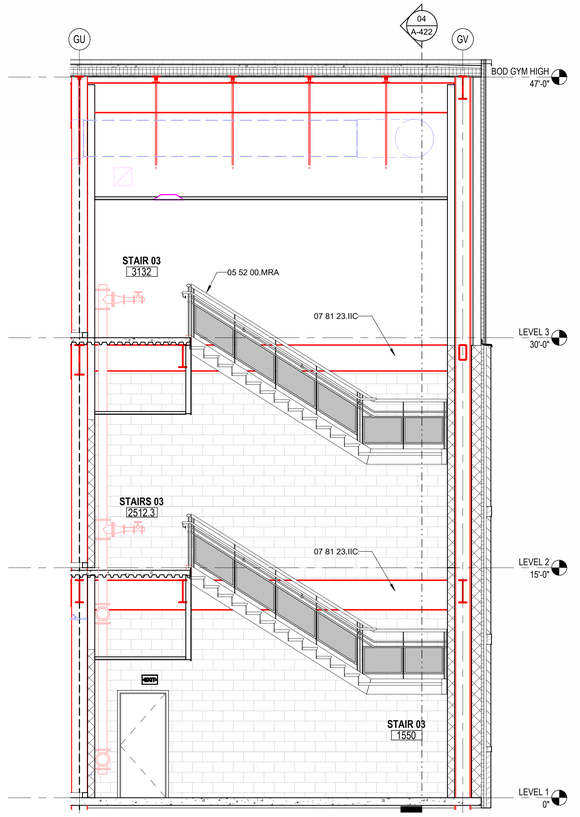
10 STAIR 11 - SECTION 01
1/4" = 1'-0"



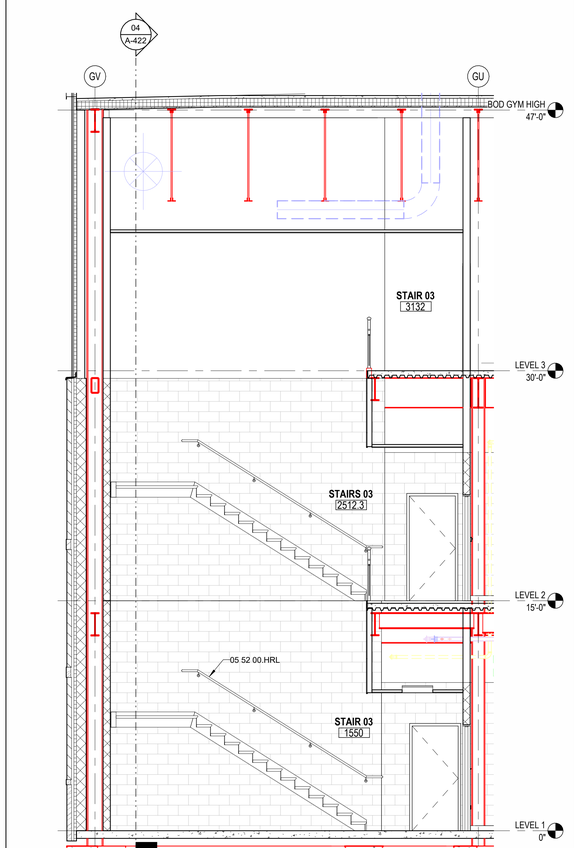
09 MECHANICAL PENTHOUSE FLOOR PLAN - STAIR 11
1/4" = 1'-0"



08 ISOMETRIC STAIR 03 - AREA B

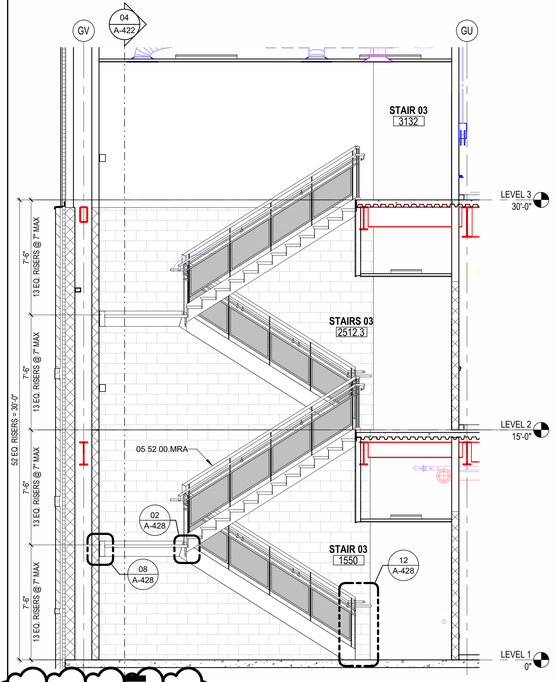


07 STAIR 03 SECTION 04
1/4" = 1'-0"

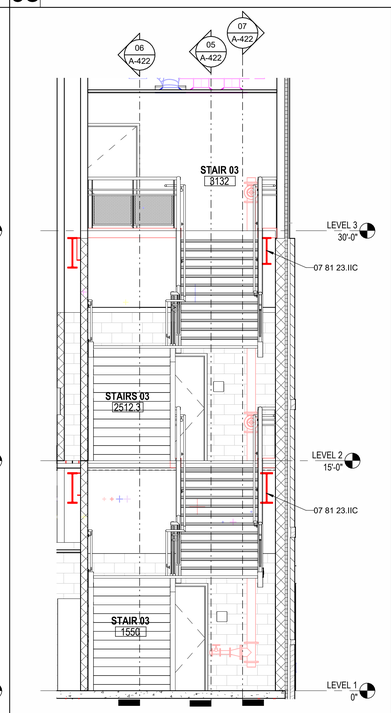


06 STAIR 03 SECTION 03
1/4" = 1'-0"

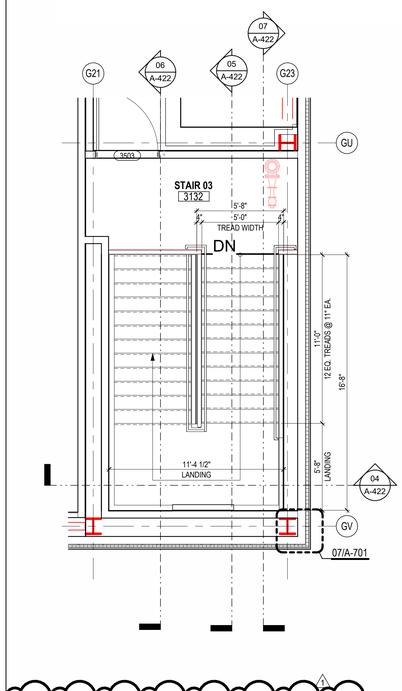
KEYNOTE LEGEND	
NUMBER	DESCRIPTION
05 52 00.HRL	HANDRAIL, 1-1/2" O.D.
05 52 00.MRA	ALUMINUM RAILING SYSTEM
07 81 23.IIC	INTERIOR INTUMESCENT COATING



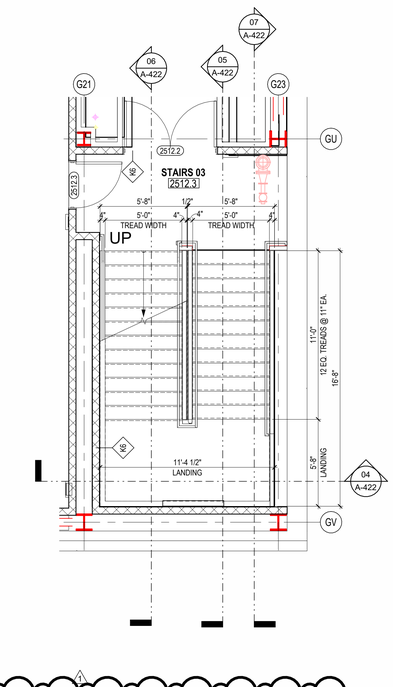
05 STAIR 03 SECTION 01
1/4" = 1'-0"



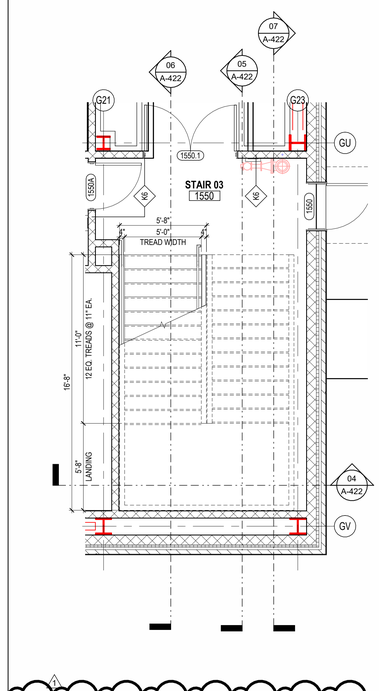
04 STAIR 03 SECTION 02
1/4" = 1'-0"



03 LEVEL 3 - AREA B FLOOR PLAN - STAIR 03
1/4" = 1'-0"



02 LEVEL 2 - AREA B FLOOR PLAN - STAIR 03
1/4" = 1'-0"



01 LEVEL 1 - AREA B FLOOR PLAN - STAIR 03
1/4" = 1'-0"

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)
1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

PBK
HOUSTON, TX
713-865-6008
TX FIRM: BR 1608
www.pbk.com

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

1 **ENLARGED STAIR PLANS AND SECTIONS**

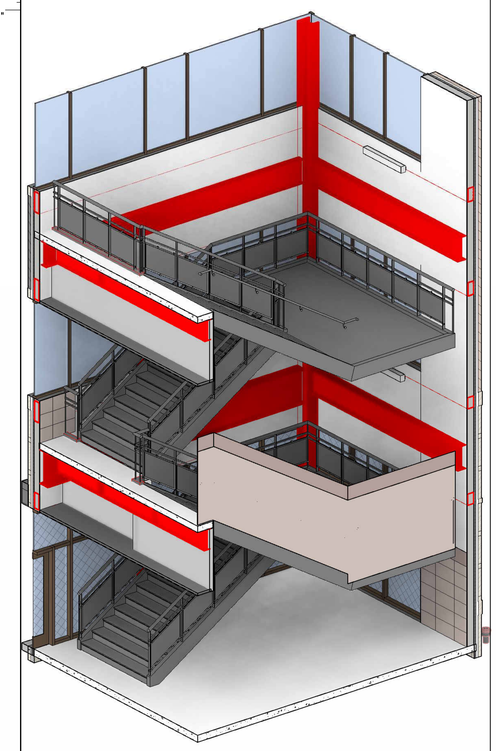
A-422

Plot Stamp:
12/11/2025 5:57:14 PM

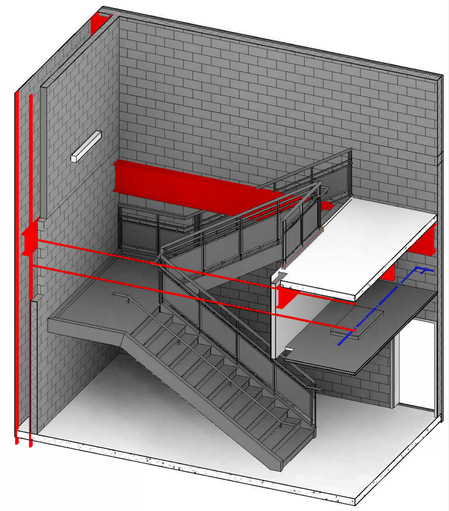
ENLARGED STAIR PLANS AND SECTIONS
A-423

FOR BLUEBEAM LABELING/OCR:

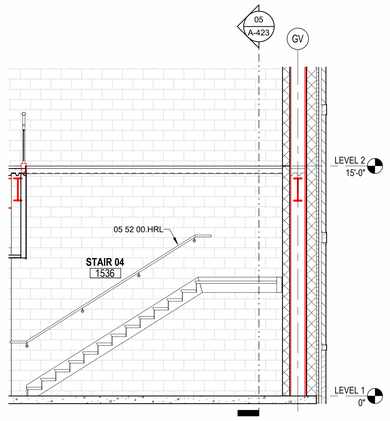
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1"



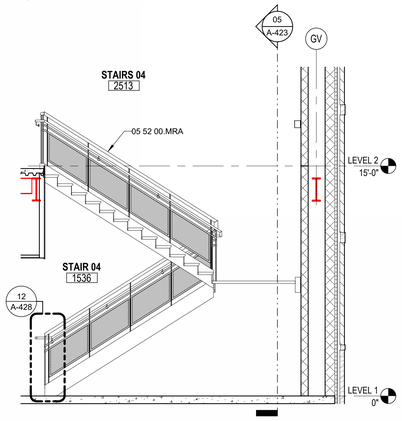
15 ISOMETRIC STAIRS 05 - AREA C



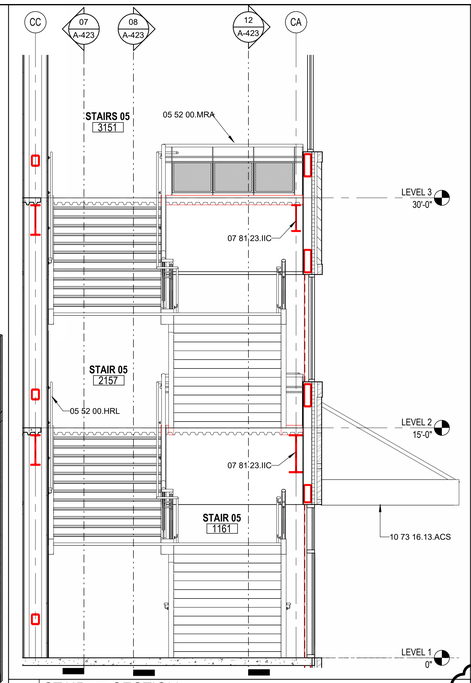
16 ISOMETRIC STAIRS 04 - AREA C



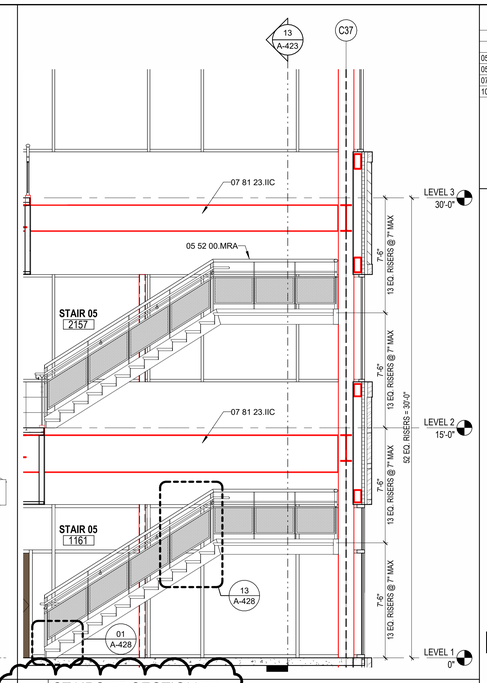
10 STAIR 04 SECTION 04
1/4" = 1'-0"



09 STAIR 04 SECTION 03
1/4" = 1'-0"



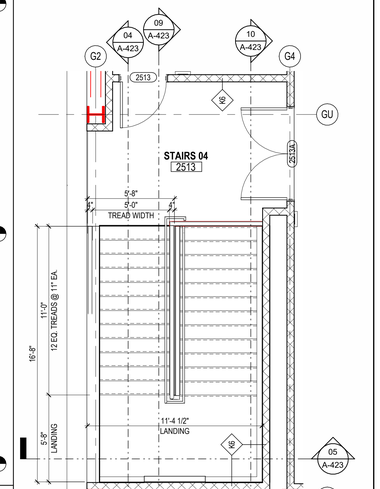
13 STAIR 05 SECTION 04
1/4" = 1'-0"



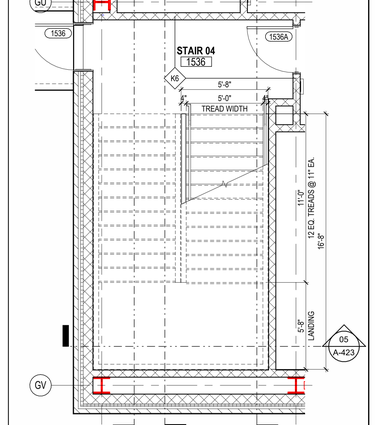
12 STAIRS 05 SECTION 03
1/4" = 1'-0"

KEYNOTE LEGEND

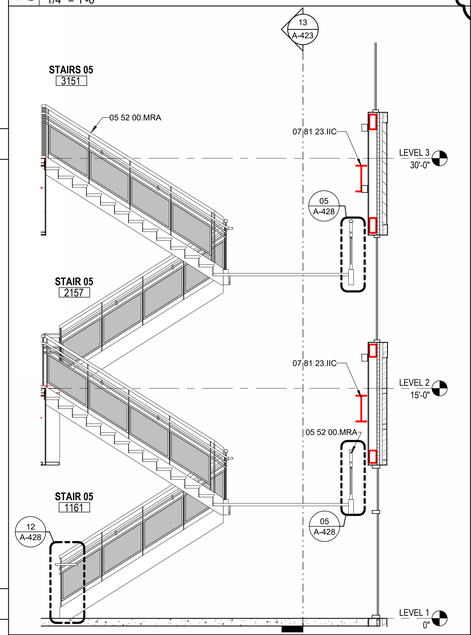
NUMBER	DESCRIPTION
05 52 00.HRL	HANDRAIL, 1-1/2" O.D.
05 52 00.MRA	ALUMINUM RAILING SYSTEM
07 81 23.IIC	INTERIOR INTUMESCENT COATING
10 73 16.13.ACS	ALUMINUM CANOPY SYSTEM



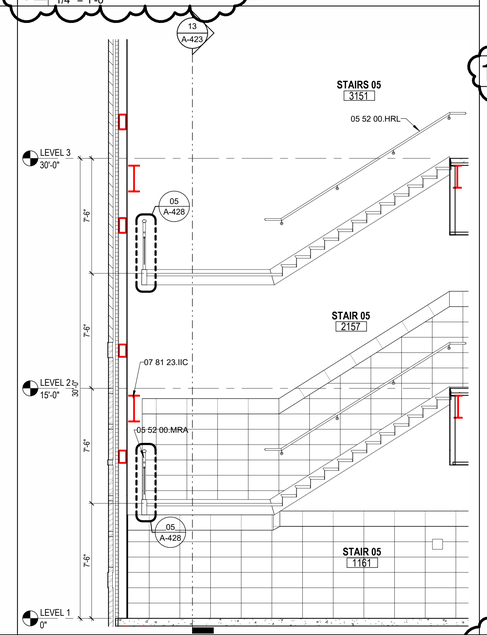
11 LEVEL 2 - AREA B FLOOR PLAN - STAIR 04
1/4" = 1'-0"



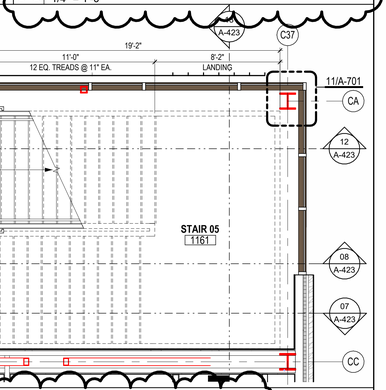
06 LEVEL 1 - AREA B FLOOR PLAN - STAIR 04
1/4" = 1'-0"



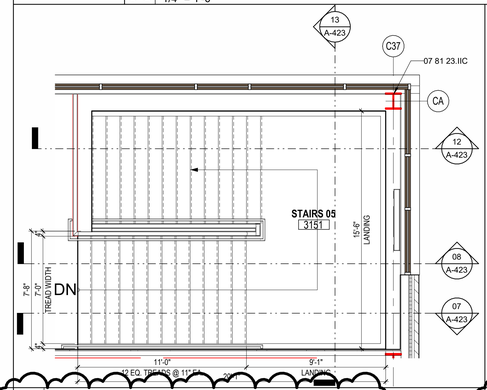
08 STAIRS 05 SECTION 02
1/4" = 1'-0"



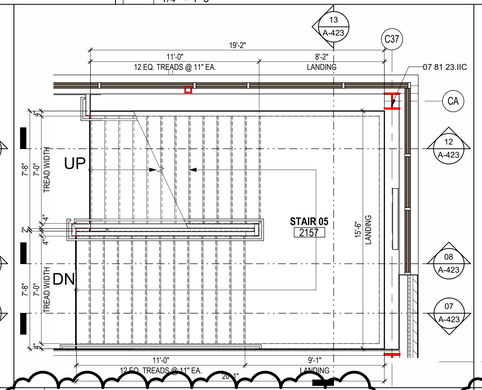
07 STAIRS 05 SECTION 01
1/4" = 1'-0"



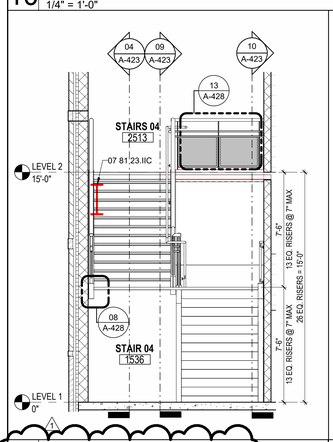
01 LEVEL 1 - AREA C FLOOR PLAN - STAIR 05
1/4" = 1'-0"



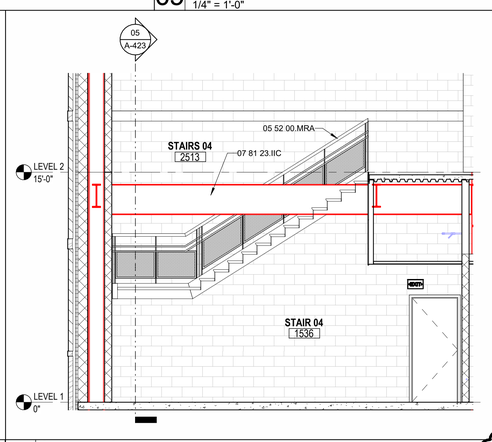
03 LEVEL 3 - AREA C FLOOR PLAN - STAIR 05
1/4" = 1'-0"



02 LEVEL 2 - AREA C FLOOR PLAN - STAIR 05
1/4" = 1'-0"



05 STAIR 04 SECTION 02
1/4" = 1'-0"



04 STAIR 04 SECTION 01
1/4" = 1'-0"

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-6008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

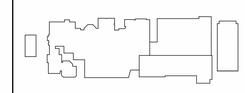
1000 Keene St.
Galena Park, TX 77547

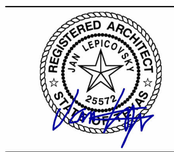
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN

NORTH: PLAN = TRUE





CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

DRAWN BY: Author

ENLARGED STAIR PLANS AND SECTIONS

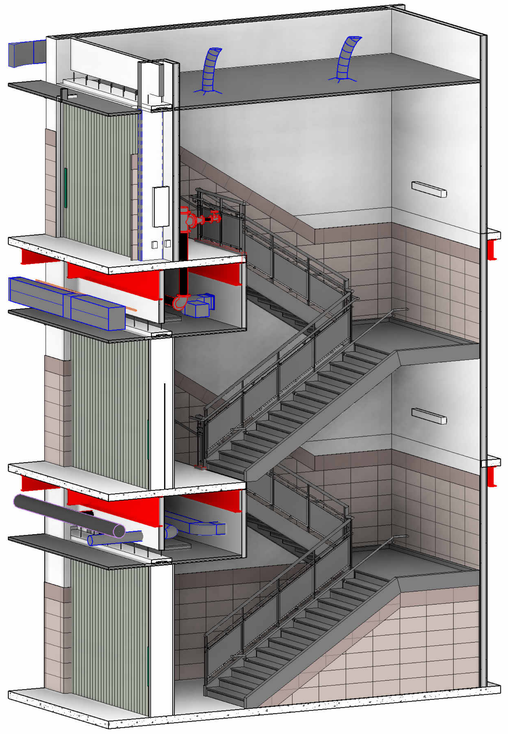
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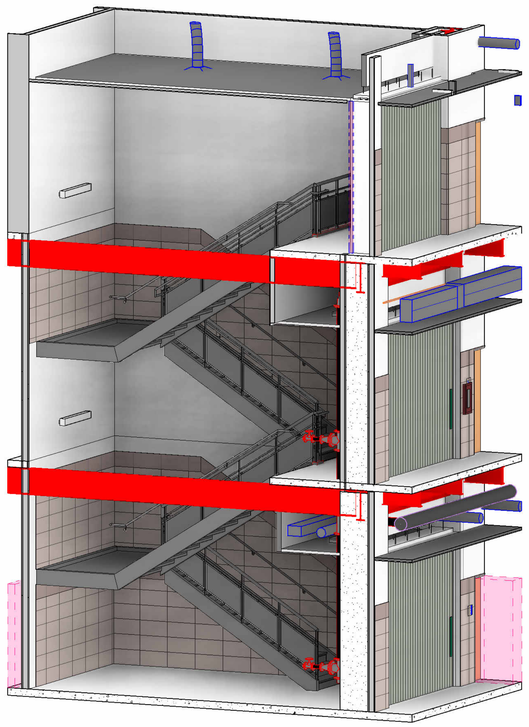
ENLARGED STAIR PLANS AND SECTIONS
A-424

FOR BLUEBEAM LABELING/DOOR:

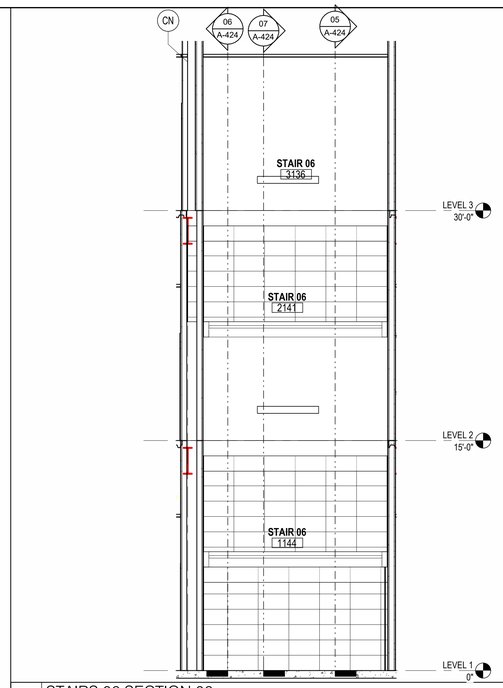
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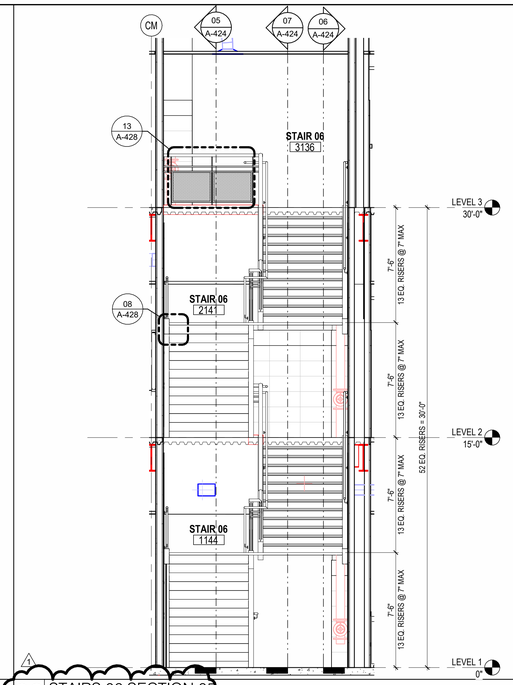
10 ISOMETRIC STAIRS 06 - AREA D



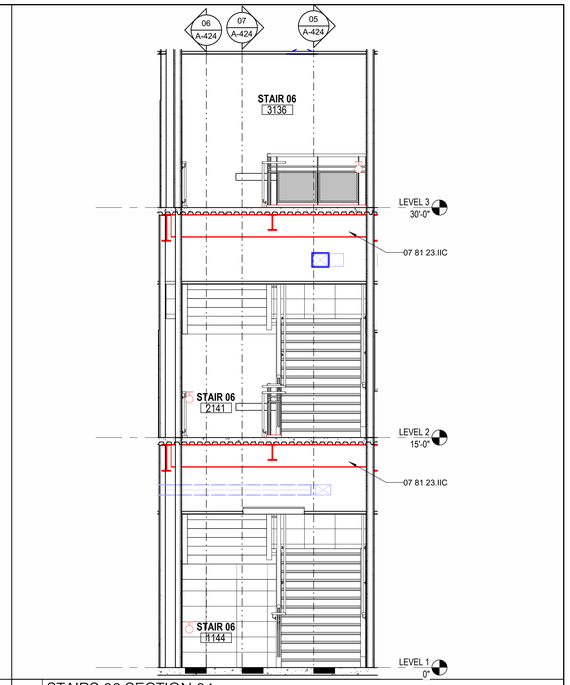
04 ISOMETRIC STAIRS 06 - AREA D



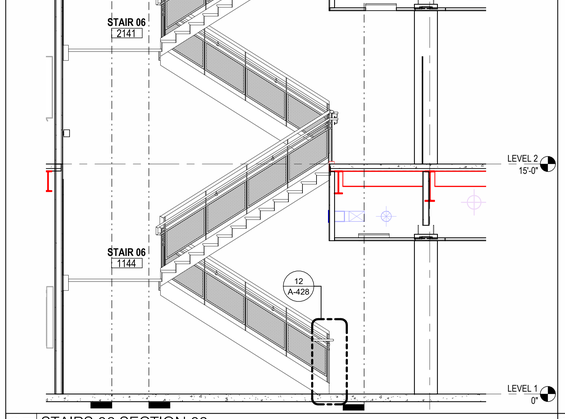
09 STAIRS 06 SECTION 06
1/4" = 1'-0"



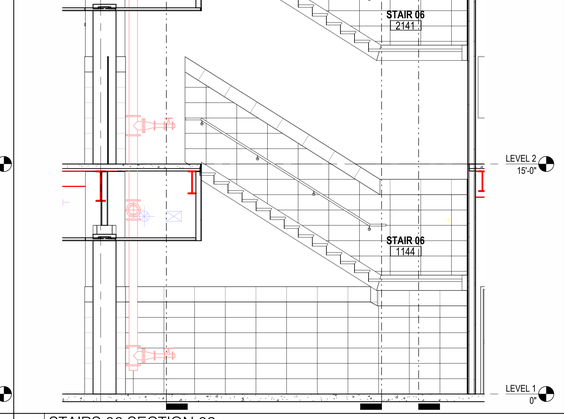
08 STAIRS 06 SECTION 05
1/4" = 1'-0"



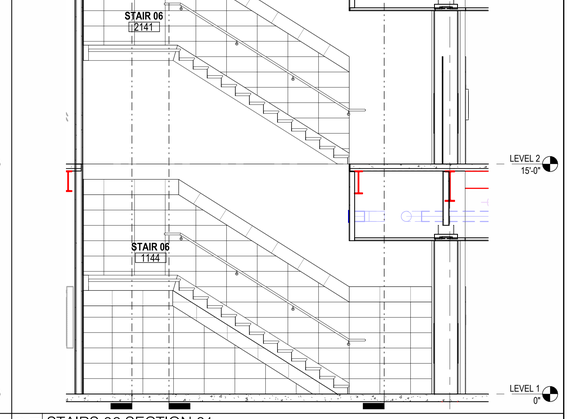
11 STAIRS 06 SECTION 04
1/4" = 1'-0"



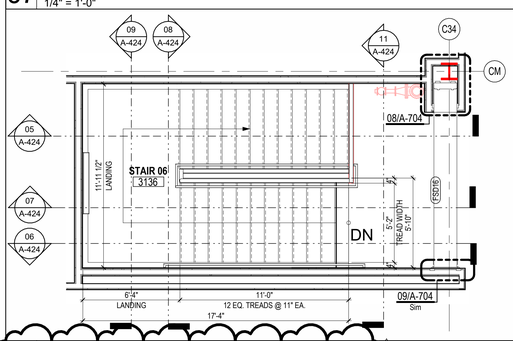
07 STAIRS 06 SECTION 03
1/4" = 1'-0"



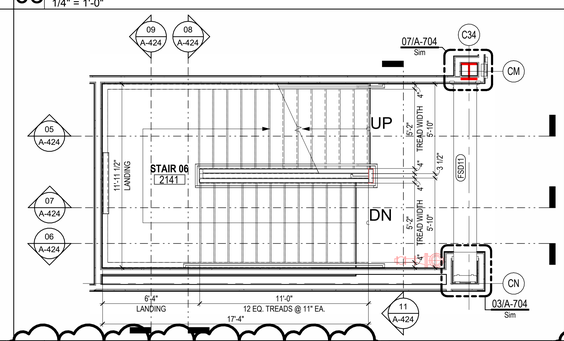
06 STAIRS 06 SECTION 02
1/4" = 1'-0"



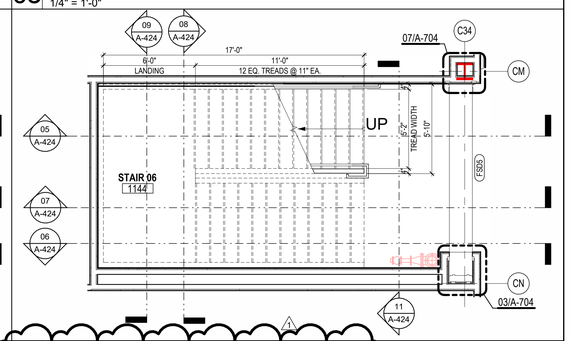
05 STAIRS 06 SECTION 01
1/4" = 1'-0"



03 LEVEL 3 - AREA D FLOOR PLAN - STAIRS 06
1/4" = 1'-0"



02 LEVEL 2 - AREA D FLOOR PLAN - STAIRS 06
1/4" = 1'-0"



01 LEVEL 1 - AREA D FLOOR PLAN - STAIRS 06
1/4" = 1'-0"

Plot Stamp:
12/11/2025 5:57:50 PM

PBK

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TX FIRM: BR 1608
HOUSTON, TX
713-865-6908

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25577
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

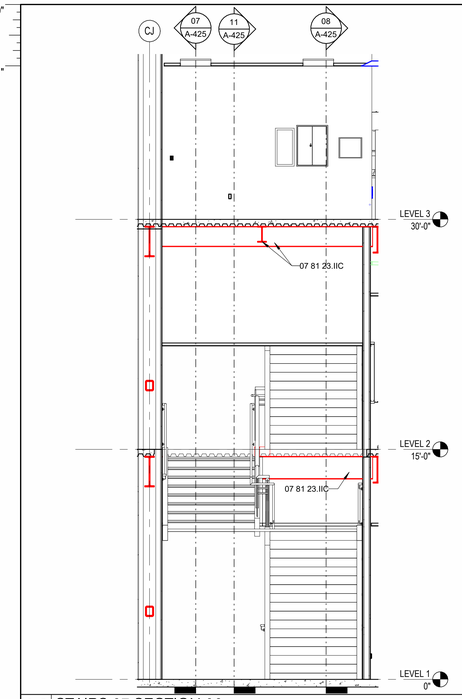
No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

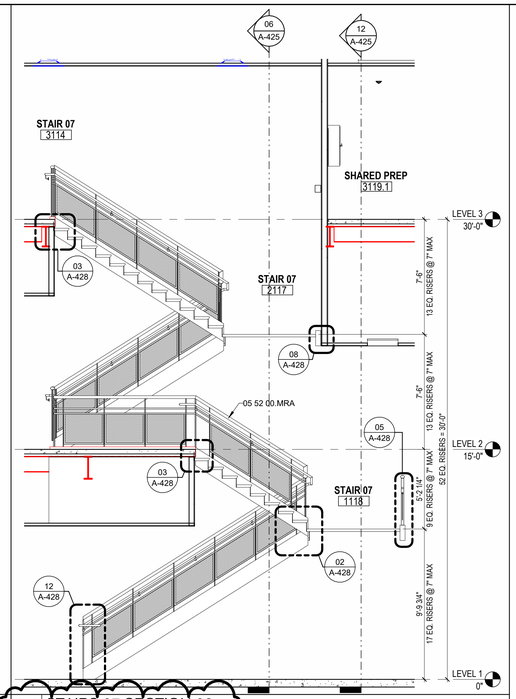
ENLARGED STAIR PLANS AND SECTIONS

A-424

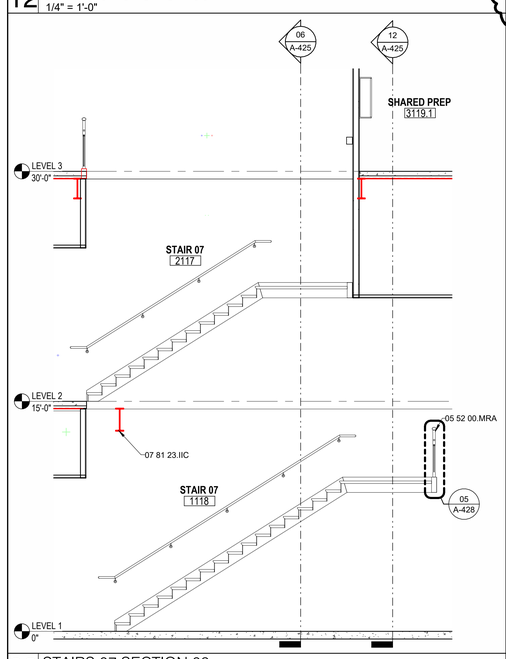
ENLARGED STAIR PLANS AND SECTIONS
A-425
FOR BLUEBEAM LABELING/OCR:



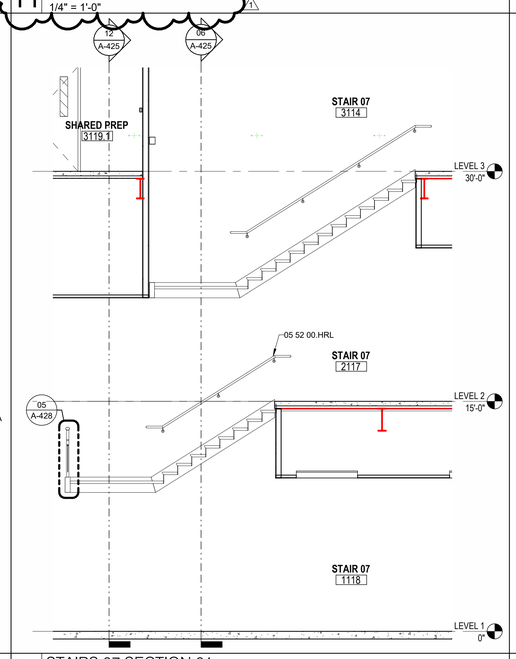
12 STAIRS 07 SECTION 06
1/4" = 1'-0"



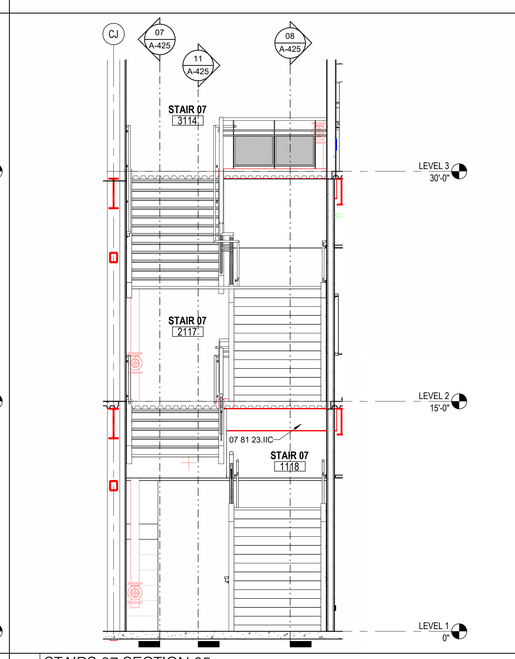
11 STAIRS 07 SECTION 02
1/4" = 1'-0"



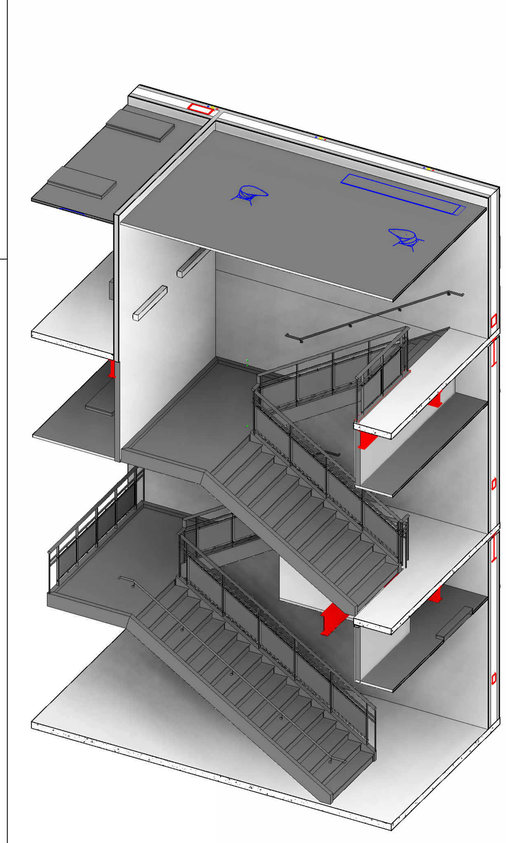
08 STAIRS 07 SECTION 03
1/4" = 1'-0"



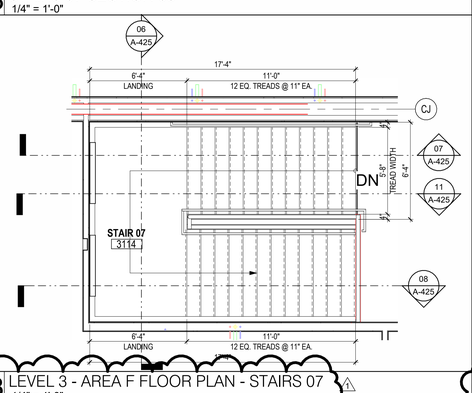
07 STAIRS 07 SECTION 01
1/4" = 1'-0"



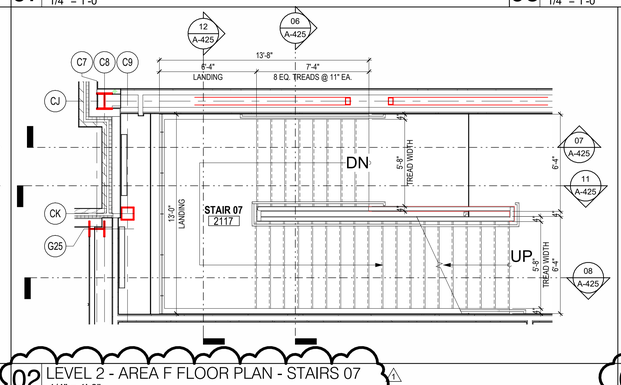
06 STAIRS 07 SECTION 05
1/4" = 1'-0"



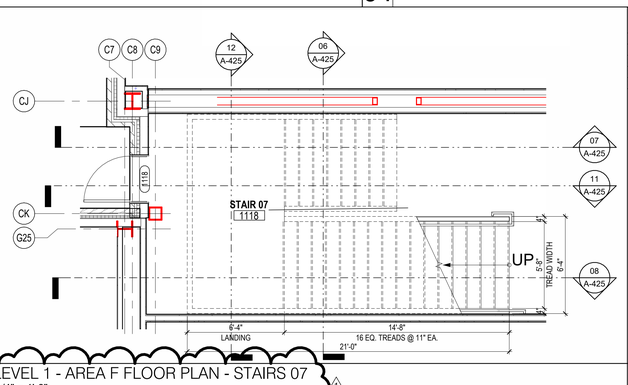
04 ISOMETRIC STAIRS 07 - AREA F



03 LEVEL 3 - AREA F FLOOR PLAN - STAIRS 07
1/4" = 1'-0"



02 LEVEL 2 - AREA F FLOOR PLAN - STAIRS 07
1/4" = 1'-0"



01 LEVEL 1 - AREA F FLOOR PLAN - STAIRS 07
1/4" = 1'-0"

KEYNOTE LEGEND

NUMBER	DESCRIPTION
05 52 00.HRL	HANDRAIL, 1-1/2" O.D.
05 52 00.MRA	ALUMINUM RAILING SYSTEM
07 81 23.IIC	INTERIOR INTUMESCENT COATING

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

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713-865-6668
TX FIRM #R 1608
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KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT JAN LEPICOVSKY 25572 STATE OF TEXAS

CLIENT
Galena Park ISD
DATE
December 5, 2025
PROJECT NUMBER
240539
DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

ENLARGED STAIR PLANS AND SECTIONS

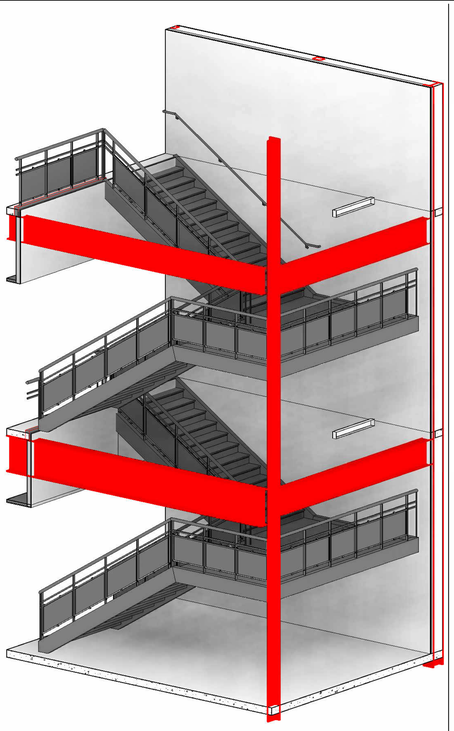
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12/11/2025 5:58:02 PM

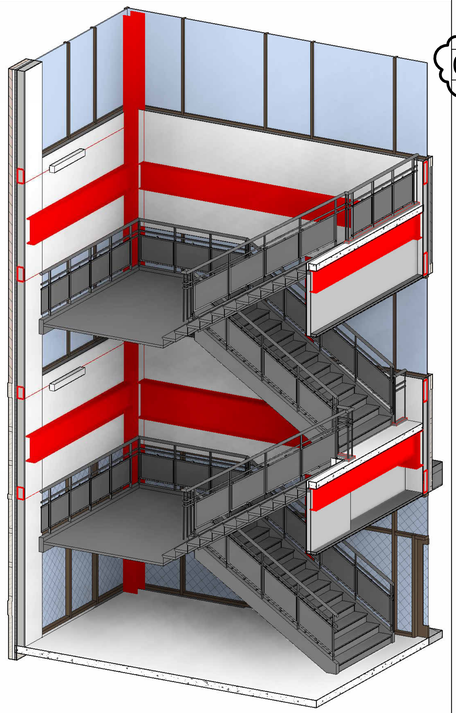
ENLARGED STAIR PLANS AND SECTIONS
A-426

FOR BLUEBEAM LABELING/DOOR:

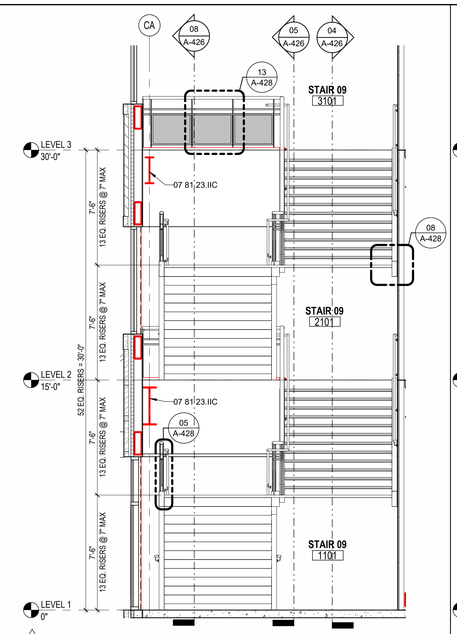
0"
1"



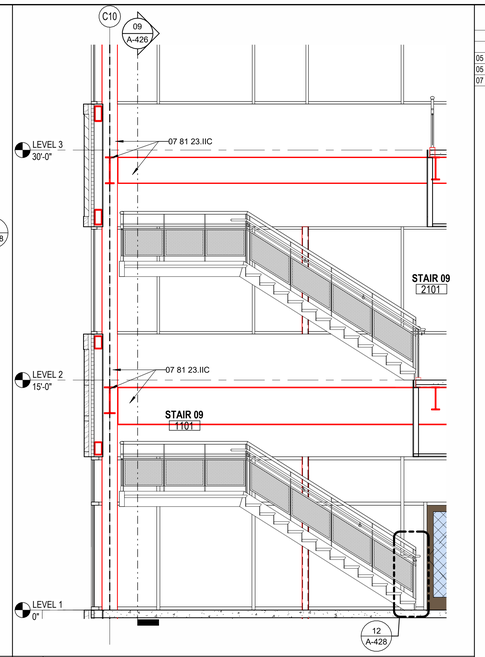
07 ISOMETRIC STAIRS 09 - AREA E



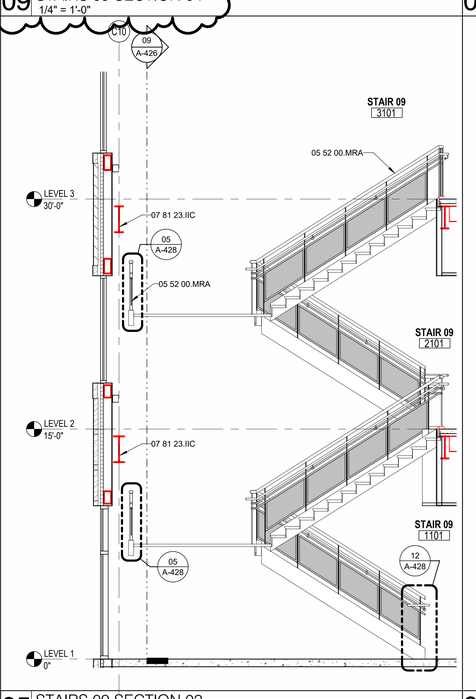
06 ISOMETRIC STAIRS 09 - AREA E



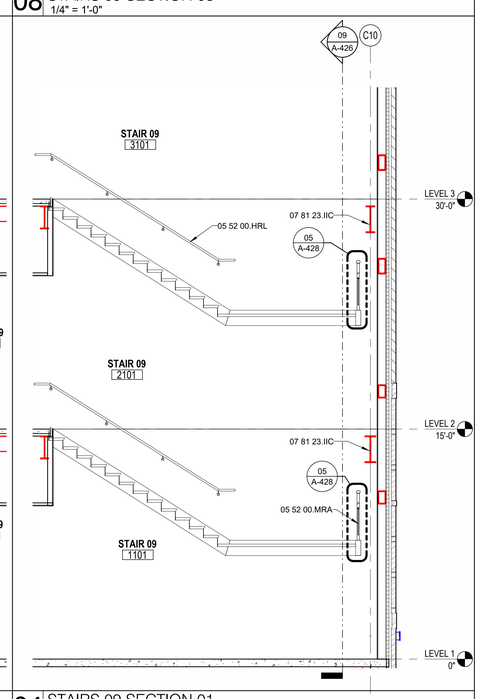
09 STAIRS 09 SECTION 04
1/4" = 1'-0"



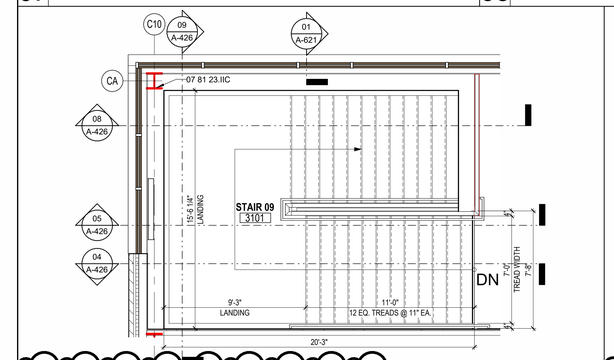
08 STAIRS 09 SECTION 03
1/4" = 1'-0"



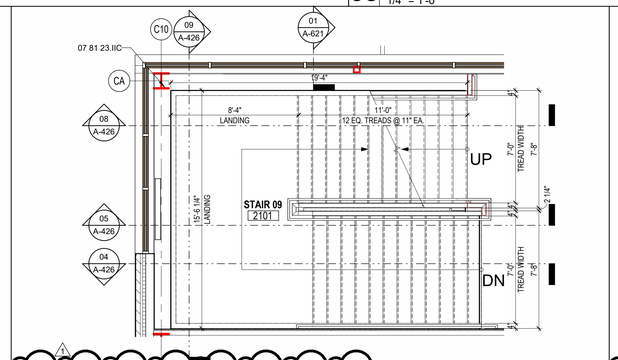
05 STAIRS 09 SECTION 02
1/4" = 1'-0"



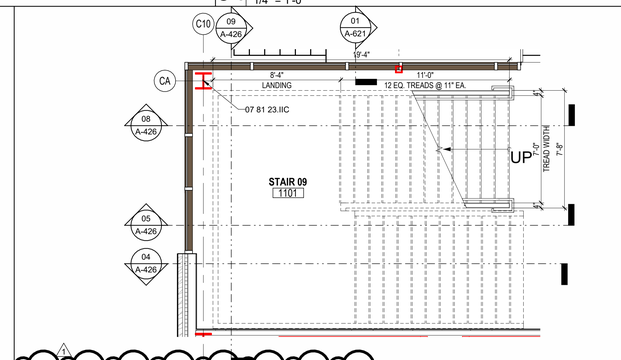
04 STAIRS 09 SECTION 01
1/4" = 1'-0"



03 LEVEL 3 - AREA E FLOOR PLAN - STAIRS 09
1/4" = 1'-0"



02 LEVEL 2 - AREA E FLOOR PLAN - STAIRS 09
1/4" = 1'-0"



01 LEVEL 1 - AREA E FLOOR PLAN - STAIRS 09
1/4" = 1'-0"

KEYNOTE LEGEND

NUMBER	DESCRIPTION
05 52 00.HRL	HANDRAIL, 1-1/2" O.D.
05 52 00.MRA	ALUMINUM RAILING SYSTEM
07 81 23.IIC	INTERIOR INTUMESCENT COATING

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE. REAL TOMORROWS.

KEY PLAN

NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: Checker

DRAWN BY: Author

ENLARGED STAIR PLANS AND SECTIONS

A-426

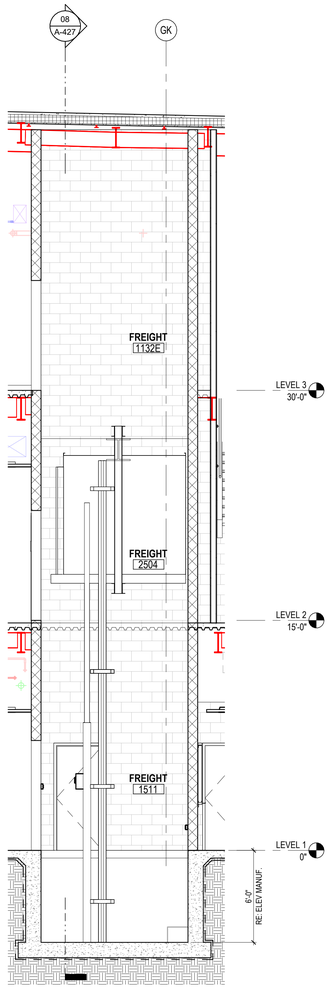
Plot Stamp:
12/11/2025 5:58:16 PM

0"
1"

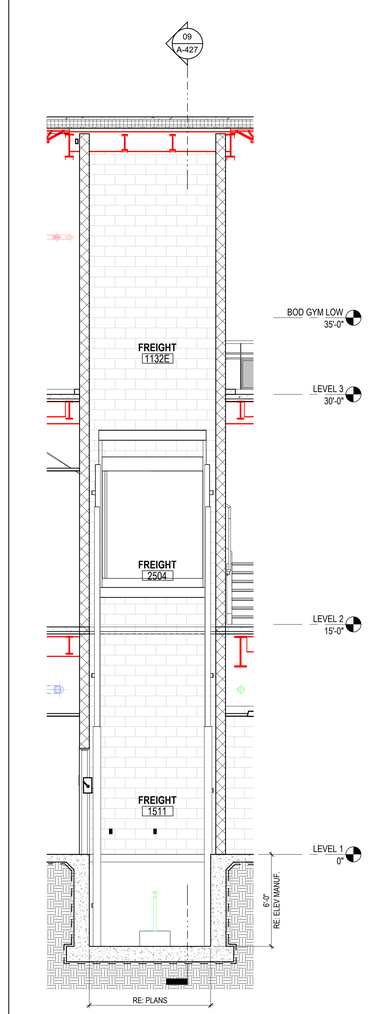
ELEVATOR PLANS & SECTIONS
A-427
FOR BLUEBEAM LABELING/DOOR:

KEYNOTE LEGEND

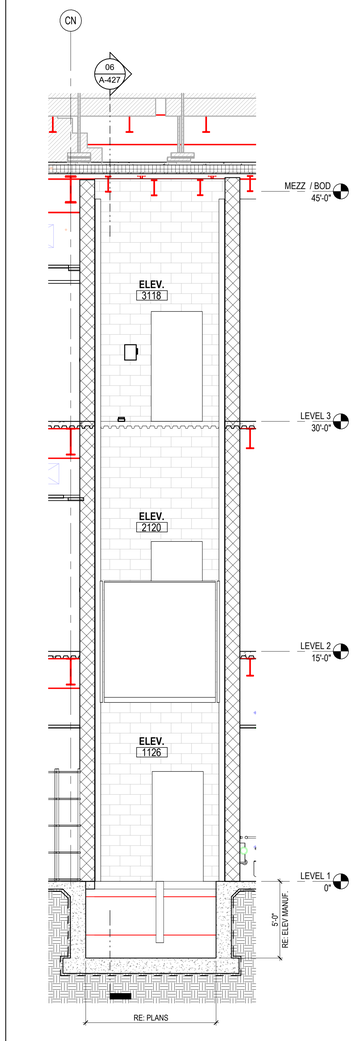
NUMBER	DESCRIPTION



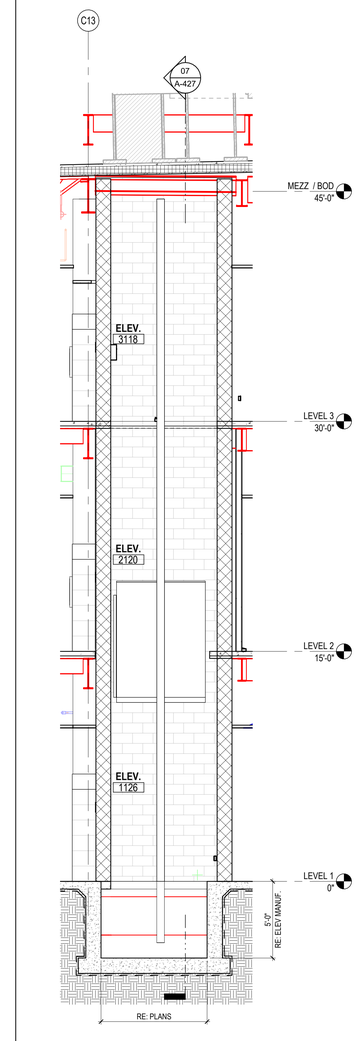
09 FREIGHT ELEVATOR PLAN @ AREA B
1/4" = 1'-0"



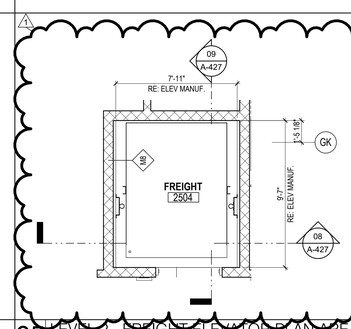
08 FREIGHT ELEVATOR PLAN @ AREA B
1/4" = 1'-0"



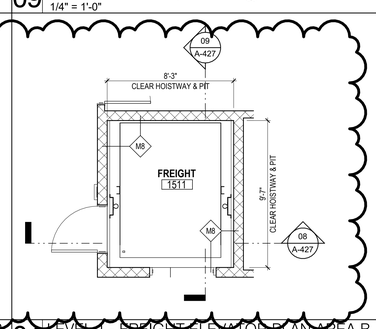
07 ELEVATOR PLAN @ AREA F
1/4" = 1'-0"



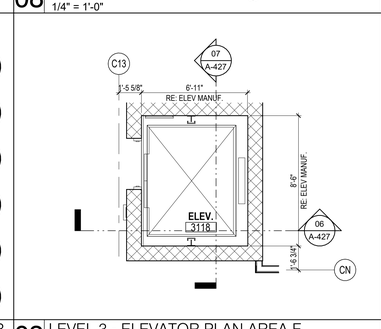
06 ELEVATOR PLAN @ AREA F
1/4" = 1'-0"



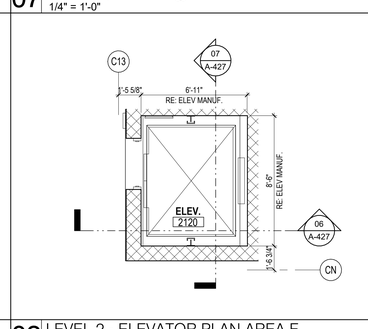
05 LEVEL 2 - FREIGHT ELEVATOR PLAN AREA B
1/4" = 1'-0"



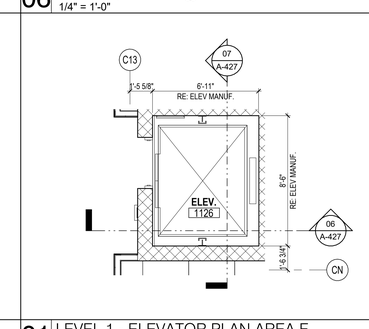
04 LEVEL 1 - FREIGHT ELEVATOR PLAN AREA B
1/4" = 1'-0"



03 LEVEL 3 - ELEVATOR PLAN AREA F
1/4" = 1'-0"



02 LEVEL 2 - ELEVATOR PLAN AREA F
1/4" = 1'-0"



01 LEVEL 1 - ELEVATOR PLAN AREA F
1/4" = 1'-0"

Plot Stamp:
12/11/2025 5:58:25 PM

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE



CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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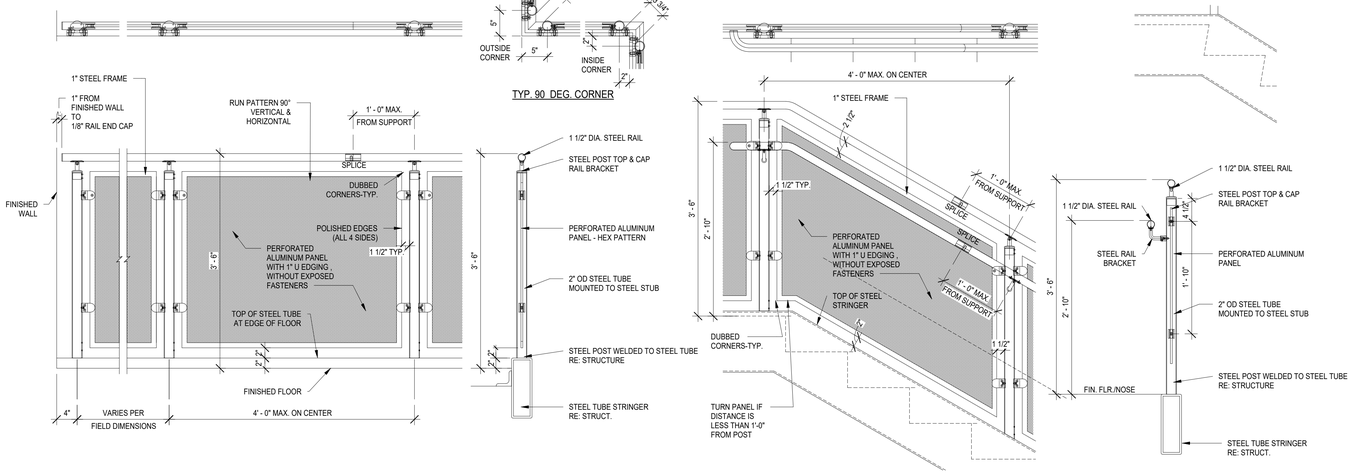
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ELEVATOR PLANS & SECTIONS

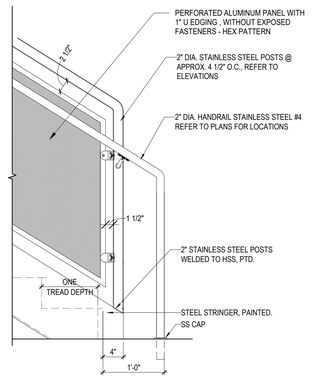
A-427

0"
1"

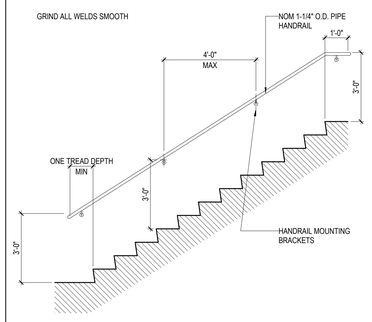
STAIR DETAILS
A-428
FOR BLUEBEAM LABELING/DOOR:



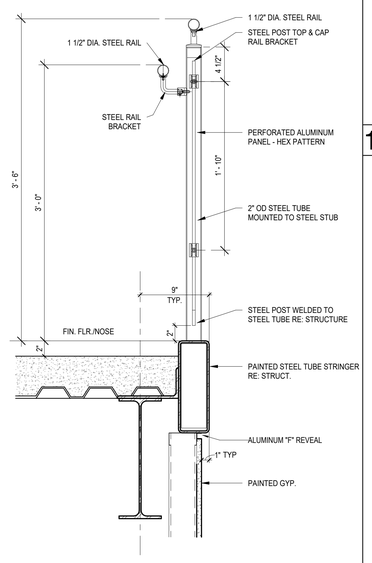
13 STAIR DETAIL - ORNAMENTAL HANDRAIL
1" = 1'-0"



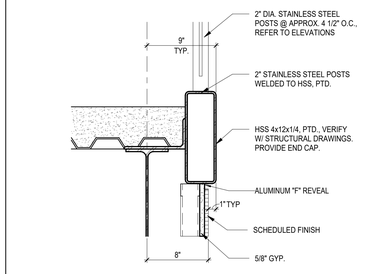
12 STAIR DETAIL - BOTTOM HANDRAIL
1" = 1'-0"



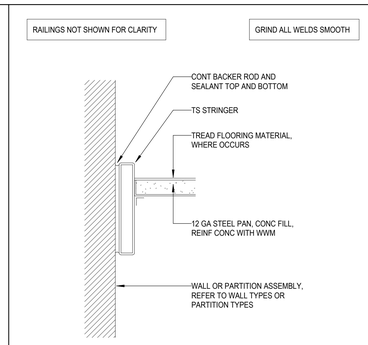
11 TYP. WALL MOUNTED RAILING
3/8" = 1'-0"



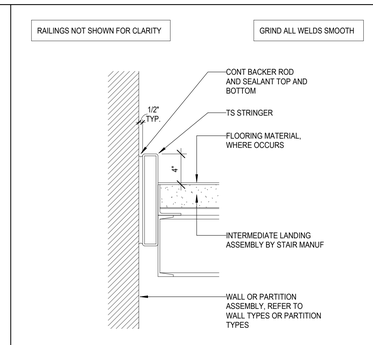
05 GUARDRAIL SECTION - SLAB EDGE
1 1/2" = 1'-0"



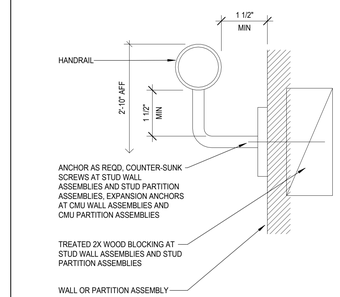
10 SECTION DETAIL
1 1/2" = 1'-0"



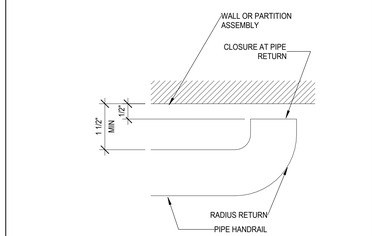
09 STAIR STRINGER @ WALL
1 1/2" = 1'-0"



08 STAIR STRINGER @ LANDING
1 1/2" = 1'-0"

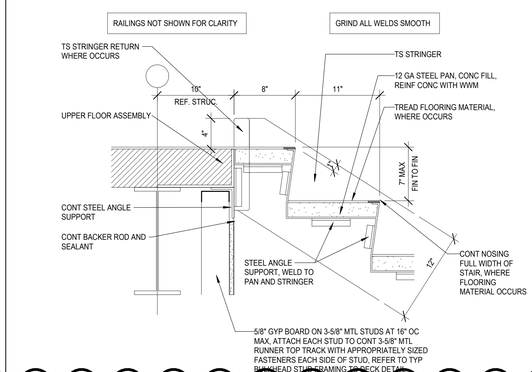


07 STAIR HANDRAIL SECTION DETAIL
6" = 1'-0"

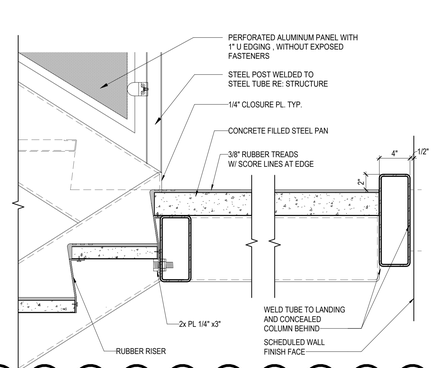


06 RETURNING HAND RAIL
6" = 1'-0"

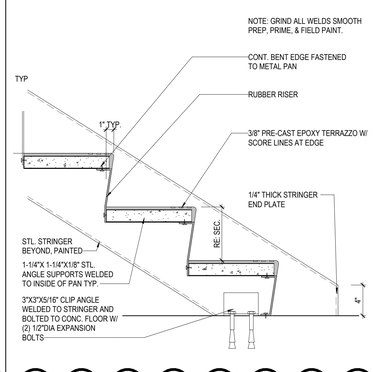
04 TYP. NOSING DETAIL
N.T.S.



03 UPPER STAIR LANDING
1 1/2" = 1'-0"



02 STAIR TREAD AT MID-LANDING
1 1/2" = 1'-0"



01 STAIR AT LEVEL SLAB
1 1/2" = 1'-0"

Plot Stamp:
12/11/2025 5:58:29 PM

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HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN ≈ TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

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No.	Description	Date
1	ADD 01	2025/12/11

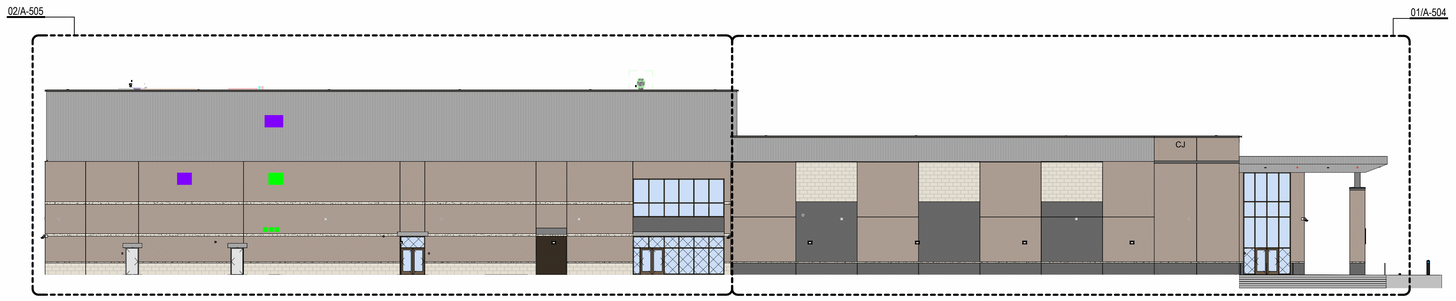
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DRAWN BY: Author

STAIR DETAILS

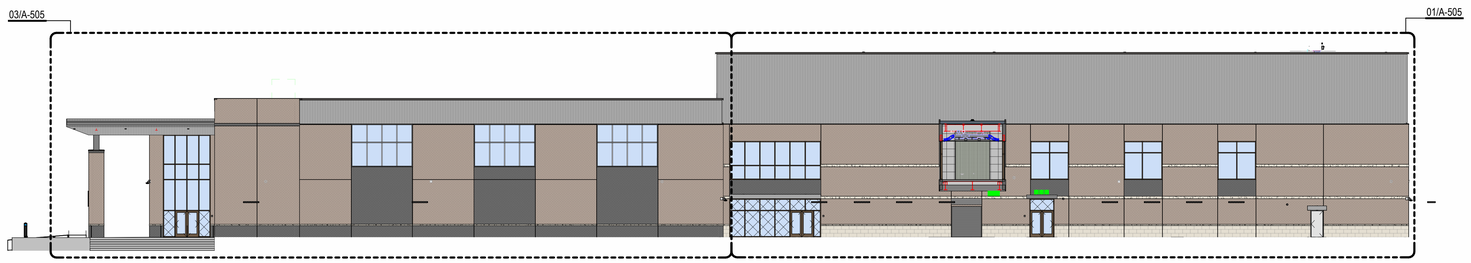
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OVERALL EXTERIOR ELEVATIONS
A-501
FOR BLUEBEAM LABELING/OCR:

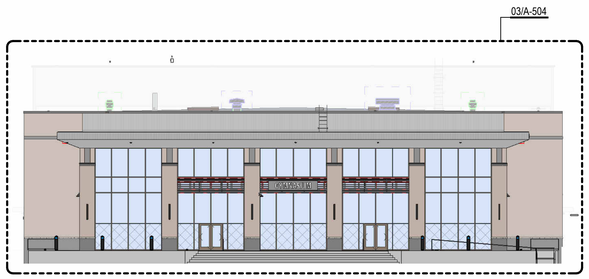
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1"



07 OVERALL EXTERIOR ELEVATION - GYM SOUTH
1/16" = 1'-0"

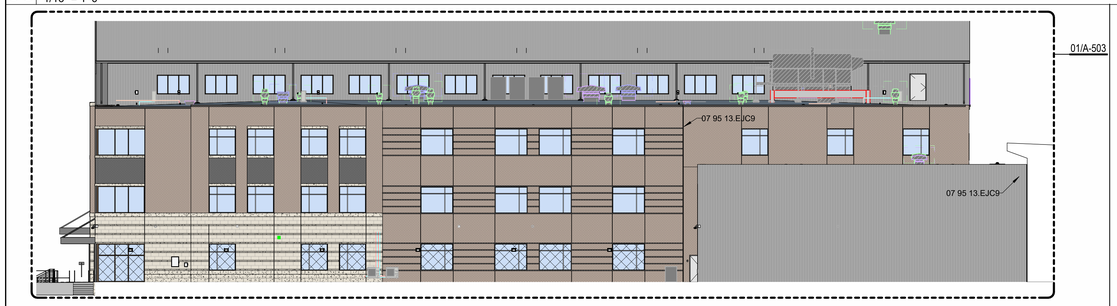


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1/16" = 1'-0"

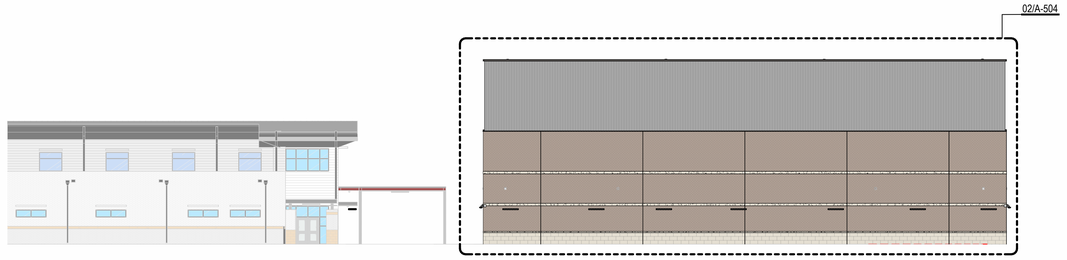




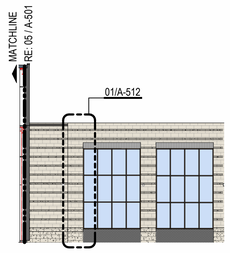
05 OVERALL EXTERIOR ELEVATION - EAST
1/16" = 1'-0"



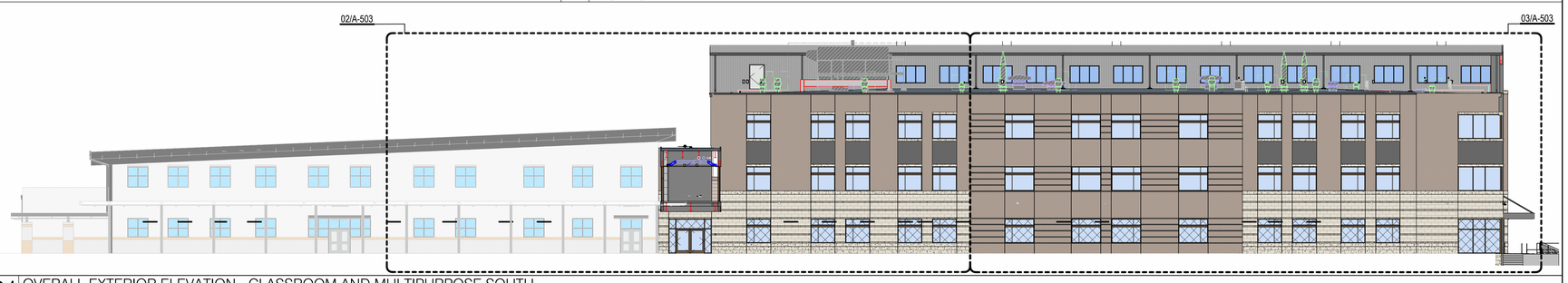
04 OVERALL EXTERIOR ELEVATION - CLASSROOM AND MULTIPURPOSE NORTH
1/16" = 1'-0"



03 OVERALL EXTERIOR ELEVATION - WEST
1/16" = 1'-0"



02 OVERALL EXTERIOR ELEVATION - LIBRARY EAST
1/16" = 1'-0"



01 OVERALL EXTERIOR ELEVATION - CLASSROOM AND MULTIPURPOSE SOUTH
1/16" = 1'-0"

Plot Stamp:
12/11/2025 6:00:40 PM

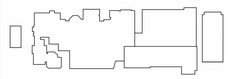
PBK
www.pbk.com
TX FIRM: BR 1608
03 / A-504
HOUSTON, TX
713-865-6008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN
NORTH: PLAN = TRUE

REGISTERED ARCHITECT
IAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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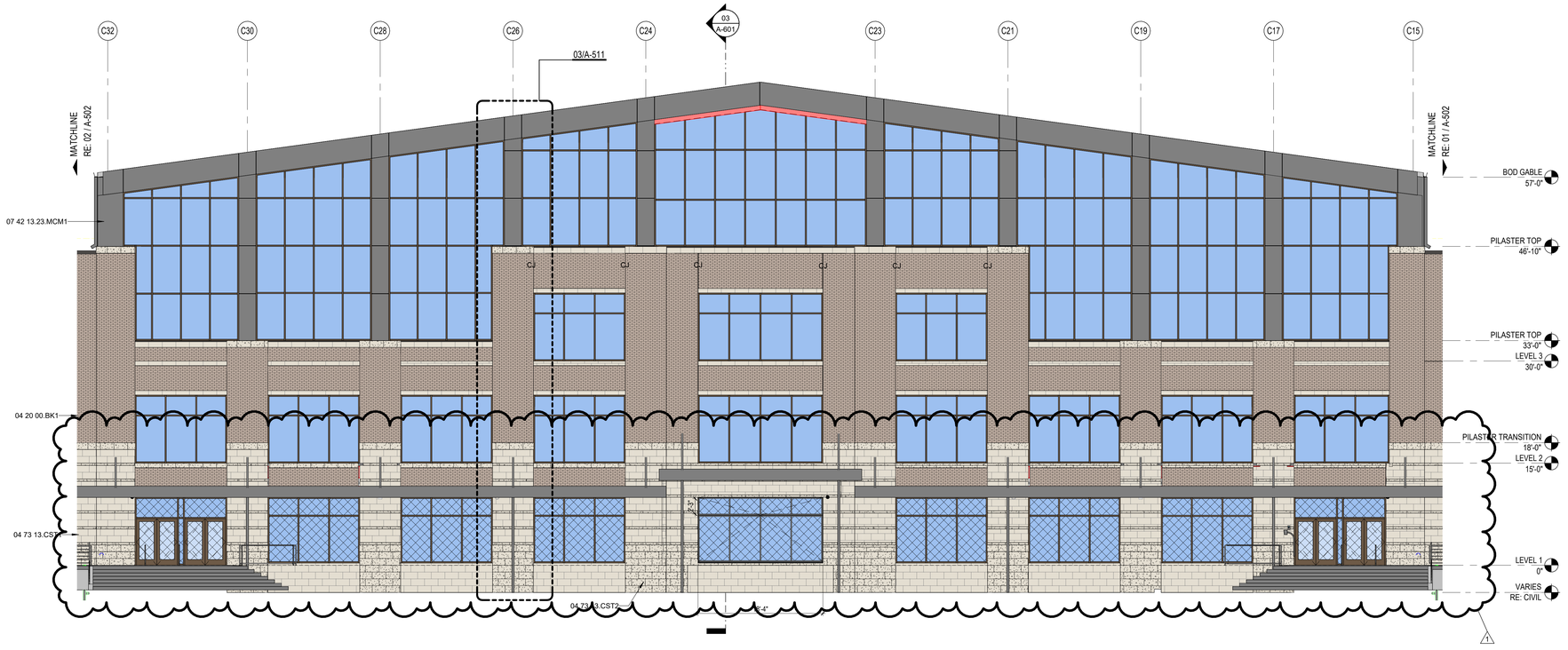
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OVERALL EXTERIOR ELEVATIONS

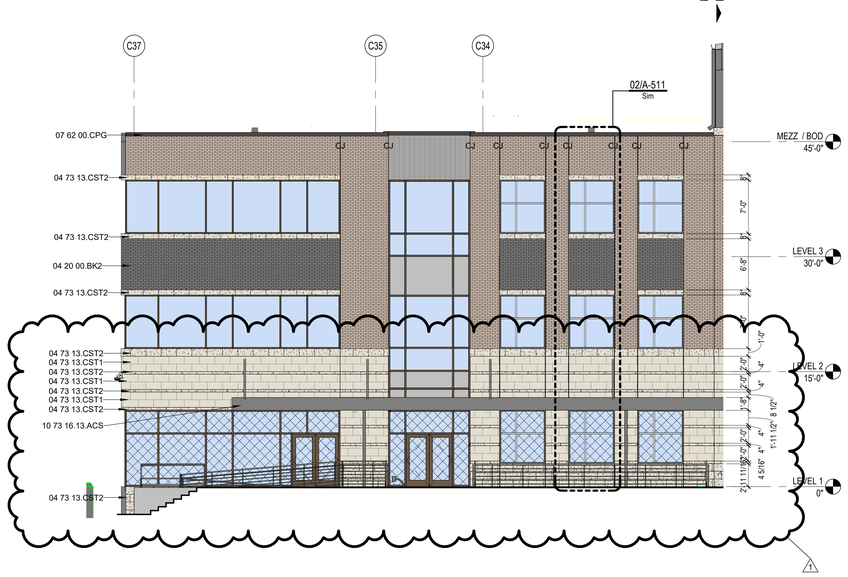
A-501

EXTERIOR ELEVATIONS
A-502
FOR BLUEBEAM LABELING/DOCR:

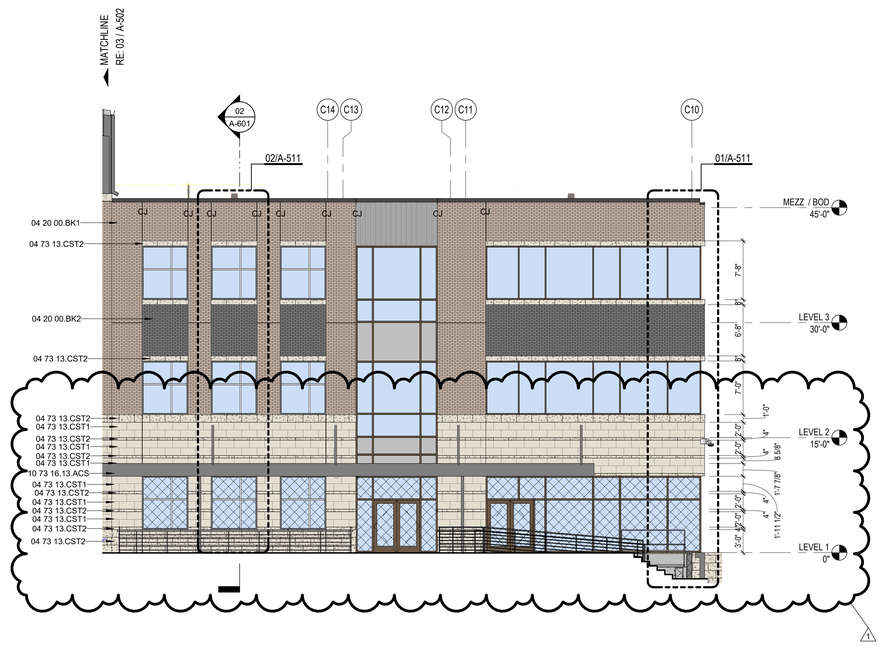
0"
1"



03 EXTERIOR ELEVATION - EAST 3
1/8" = 1'-0"



02 EXTERIOR ELEVATION - EAST 2
1/8" = 1'-0"



01 EXTERIOR ELEVATION - EAST 1
1/8" = 1'-0"

GENERAL ELEVATION NOTES

1. ALL BUILDING EXPANSION JOINT TO BE 1" UNLESS OTHERWISE NOTED.
2. CONTROL JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED. EXTEND FULL HEIGHT OF WALL.
3. 1/2" EXPANSION JOINT FILLER ON BOTH ENDS OF ALL STEEL LINTEL ANGLES.
4. EXPOSED EXTERIOR STRUCTURAL STEEL TUBE MEMBERS SHALL BE PAINTED P-9.
5. STEEL MASONRY LINTELS SHALL BE GALVANIZED.
6. EXPOSED CONCRETE WALLS, COLUMNS, AND BEAMS SHALL BE RUBBED GROUT FINISH.
7. MASONRY WEEP AT 16" O.C. MAXIMUM.
8. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE ALUMINUM SUB-SILLS WITH END DAMS.
9. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE CONTINUOUS ALUMINUM BACKFILLERS WITH CONTINUOUS PERIMETER ALUMINUM ANGLE.
10. FLEXIBLE MEMBRANE FLASHING AT WINDOWS SILLS AND LINTELS SHALL HAVE PRE-FORMED END DAMS.
11. MASONRY VENEER CONTROL JOINTS SHALL BE 3/8" AT INSIDE CORNERS. AT DISTANCES NOT TO EXCEED 3'-4" FROM OUTSIDE CORNERS, AND AT 30'-0" O.C. MAXIMUM. UNLESS NOTED OTHERWISE. REFERENCE EXTERIOR ELEVATIONS.
12. GUTTERS, CONDUCTOR HEADS, AND DOWNSPOUTS SHALL BE PRE-FINISHED SHEET METAL. COLOR SELECTED BY ARCHITECT.
13. DOWNSPOUTS SHALL HAVE 16 GAUGE PRE-FINISHED DOWNSPOUT BOOTS TO 6'-0" ABOVE FINISH GRADE. COLOR SELECTED BY ARCHITECT.
14. DOWNSPOUTS AND/OR ROOF DRAINS SHALL BE CONNECTED TO STORM DRAIN SYSTEM UNLESS OTHERWISE NOTED. REFERENCE CIVIL FOR STORM DRAIN CONNECTION DETAILS AND LOCATIONS.
15. CONTRACTOR SHALL PROVIDE MOCK-UP FOR EACH EXTERIOR CONDITION AND CONSTRUCTION ASSEMBLY TYPE. INCLUDE A 2X2 WINDOW MOCK-UP. MOCK-UP SHALL INCLUDE METAL FLASHINGS, VERTICAL AND HORIZONTAL FLEXIBLE MEMBRANE FLASHINGS, AND WINDOW INSTALLATIONS AS DETAILED IN CONSTRUCTION DOCUMENTS. MOCK-UP SHALL BE A MINIMUM OF 8'-0" TALL X 16'-0" LONG WITH AN EXTERIOR CORNER, INTERIOR CORNER, AND VERTICAL CONTROL JOINTS. COORDINATE LOCATION OF MOCK-UP PANEL WITH ARCHITECT PRIOR TO CONSTRUCTION.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
04 20 00.BK1	BRICK TYPE 1 - GALENA NEW BLEND
04 20 00.BK2	BRICK TYPE 2 - MIDNIGHT IRONSPOT VELOUR
04 73 13.CST1	
04 73 13.CST2	
07 42 13.23.MCM1	ALUMINUM METAL COMPOSITE MATERIAL WALL PANEL, TYPE 1 - [DARK BRONZE]
07 62 00.CPG	PRE-FINISHED METAL COPING
10 73 16.13.ACS	ALUMINUM CANOPY SYSTEM

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

GG2
1" CLEAR INSULATED VISION GLASS

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1,
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 20 00.BK2 (R)
BRICK TYPE 2
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL
BERRIDGE, DOUBLE-RIB PANEL WITH
EXPOSED FASTENERS,
DARK BRONZE

04 73 13.CST2
SPLIT-FACE GINGER
STONE VENEER,
ARRISCRAFT

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE
MATERIAL WALL PANEL

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713-965-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSER PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25577
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

EXTERIOR ELEVATIONS

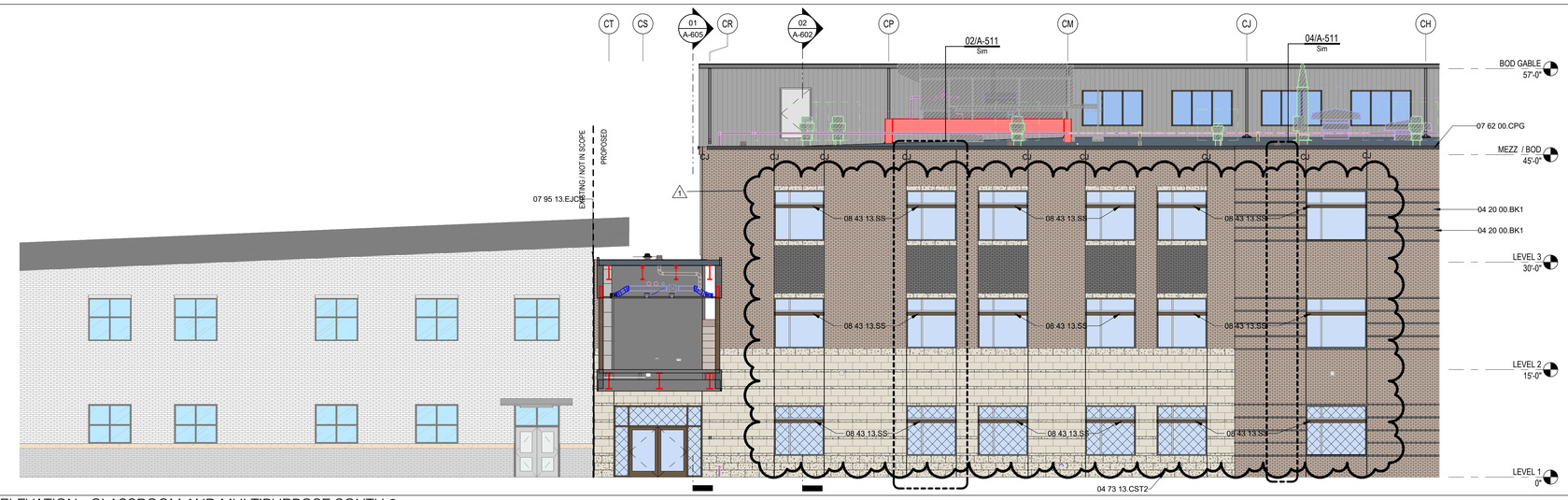
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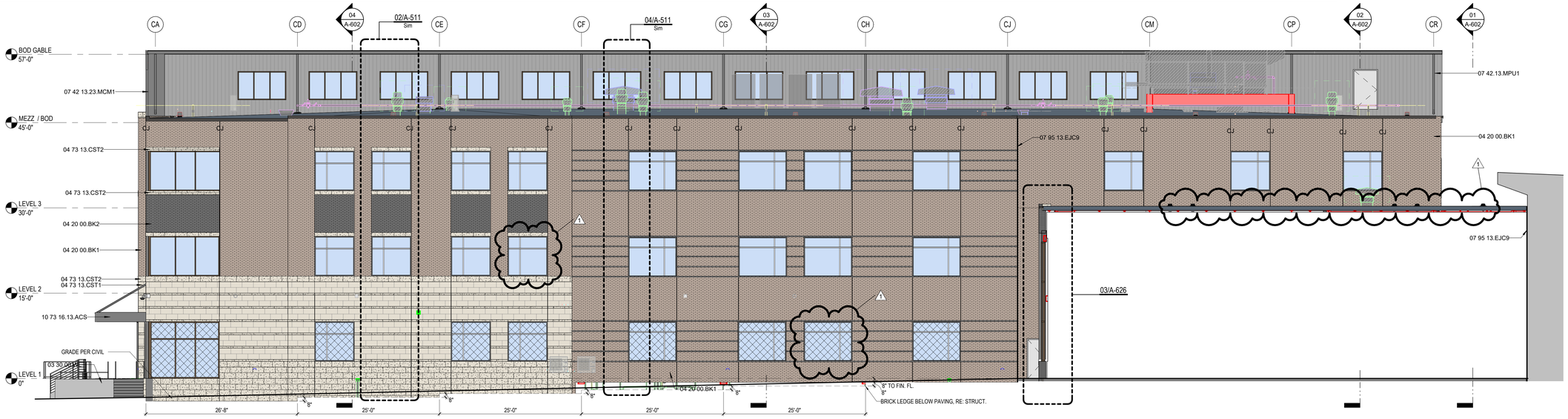
EXTERIOR ELEVATIONS
A-503
FOR BLUEBEAM LABELING/DOOR:



03 EXTERIOR ELEVATION - CLASSROOM AND MULTIPURPOSE SOUTH 1
1/8" = 1'-0"



02 EXTERIOR ELEVATION - CLASSROOM AND MULTIPURPOSE SOUTH 2
1/8" = 1'-0"



01 EXTERIOR ELEVATION - CLASSROOM AND MULTIPURPOSE NORTH
1/8" = 1'-0"

GENERAL ELEVATION NOTES

1. ALL BUILDING EXPANSION JOINT TO BE 1" UNLESS OTHERWISE NOTED.
2. CONTROL JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED. EXTEND FULL HEIGHT OF WALL.
3. 1/2" EXPANSION JOINT FILLER ON BOTH ENDS OF ALL STEEL LINTEL ANGLES.
4. EXPOSED EXTERIOR STRUCTURAL STEEL TUBE MEMBERS SHALL BE PAINTED P-9.
5. STEEL MASONRY LINTELS SHALL BE GALVANIZED.
6. EXPOSED CONCRETE WALLS, COLUMNS, AND BEAMS SHALL BE RUBBED GROUT FINISH.
7. MASONRY WEEP AT 16" O.C. MAXIMUM.
8. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE ALUMINUM SUB-SILLS WITH END DAMS.
9. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE CONTINUOUS ALUMINUM BACKFILLERS WITH CONTINUOUS PERIMETER ALUMINUM ANGLE.
10. FLEXIBLE MEMBRANE FLASHING AT WINDOWS SILLS AND LINTELS SHALL HAVE PRE-FORMED END DAMS.
11. MASONRY VENEER CONTROL JOINTS SHALL BE 3/8" AT INSIDE CORNERS. AT DISTANCES NOT TO EXCEED 3'-4" FROM OUTSIDE CORNERS, AND AT 30'-0" O.C. MAXIMUM. UNLESS NOTED OTHERWISE. REFERENCE EXTERIOR ELEVATIONS.
12. GUTTERS, CONDUCTOR HEADS, AND DOWNSPOUTS SHALL BE PRE-FINISHED SHEET METAL. COLOR SELECTED BY ARCHITECT.
13. DOWNSPOUTS SHALL HAVE 16 GAUGE PRE-FINISHED DOWNSPOUT BOOTS TO 6'-0" ABOVE FINISH GRADE. COLOR SELECTED BY ARCHITECT.
14. DOWNSPOUTS AND/OR ROOF DRAINS SHALL BE CONNECTED TO STORM DRAIN SYSTEM UNLESS OTHERWISE NOTED. REFERENCE CIVIL FOR STORM DRAIN CONNECTION DETAILS AND LOCATIONS.
15. CONTRACTOR SHALL PROVIDE MOCK-UP FOR EACH EXTERIOR CONDITION AND CONSTRUCTION ASSEMBLY TYPE. INCLUDE A 2X2 WINDOW MOCK-UP. MOCK-UP SHALL INCLUDE METAL FLASHINGS, VERTICAL AND HORIZONTAL FLEXIBLE MEMBRANE FLASHINGS, AND WINDOW INSTALLATIONS AS DETAILED IN CONSTRUCTION DOCUMENTS. MOCK-UP SHALL BE A MINIMUM OF 8'-0" TALL X 16'-0" LONG WITH AN EXTERIOR CORNER, INTERIOR CORNER, AND VERTICAL CONTROL JOINTS. COORDINATE LOCATION OF MOCK-UP PANEL WITH ARCHITECT PRIOR TO CONSTRUCTION.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
03 30 00.WL	CAST-IN-PLACE CONCRETE WALL
04 20 00.BK1	BRICK TYPE 1 - GALENA NEW BLEND
04 20 00.BK2	BRICK TYPE 2 - MIDNIGHT IRONSPOT VELOUR
04 73 13.CST1	
04 73 13.CST2	
07 42 13.23.MCM1	ALUMINUM METAL COMPOSITE MATERIAL WALL PANEL, TYPE 1 - [DARK BRONZE]
07 42 13.MPU1	UNINSULATED METAL WALL PANEL, TYPE 1 - CONCEALED FASTENER
07 62 00.CPG	PRE-FINISHED METAL COPING
07 95 13.EJC9	EXTERIOR, WALL, THERMAL-MOVEMENT JOINT COVER
08 43 13.SS	SUNSHADE OUTRIGGER SYSTEM, 30" DEPTH
10 73 16.13.ACS	ALUMINUM CANOPY SYSTEM

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

GG2
1" CLEAR INSULATED VISION GLASS

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1,
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 20 00.BK2 (R)
BRICK TYPE 2,
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL
BERRIDGE, DOUBLE-RIB PANEL WITH
EXPOSED FASTENERS,
DARK BRONZE

04 73 13.CST2
SPLIT-FACE GINGER
STONE VENEER,
ARRISCRAFT

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE
MATERIAL WALL PANEL

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TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JOHN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

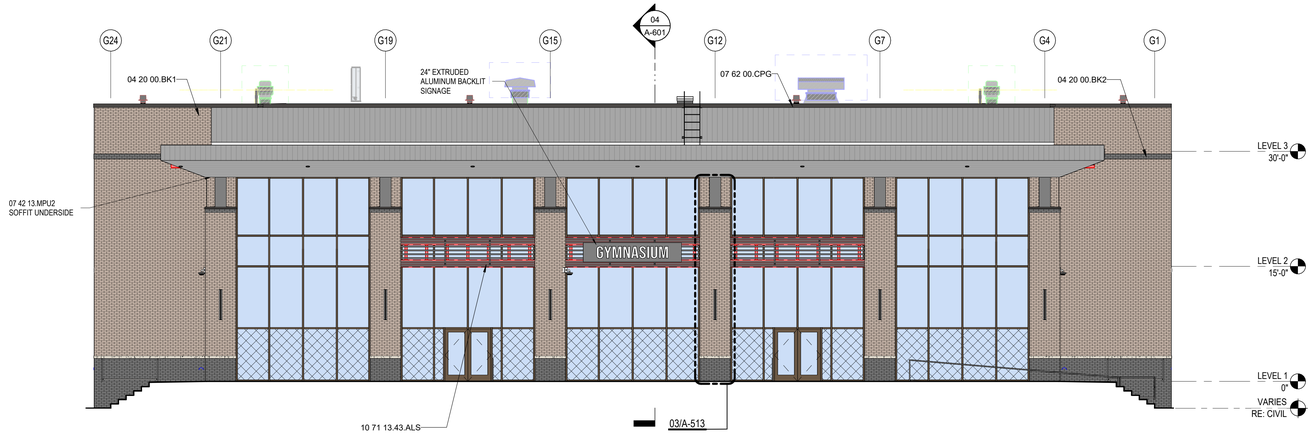
EXTERIOR ELEVATIONS

A-503

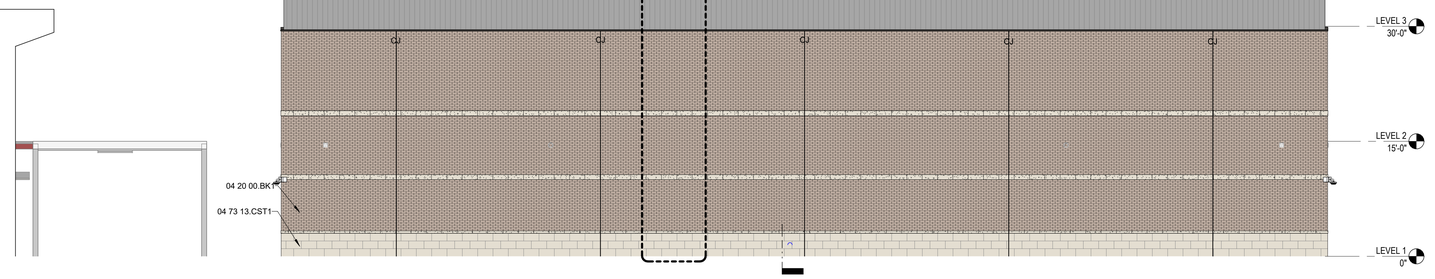
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EXTERIOR ELEVATIONS
A-504
FOR BLUEBEAM LABELING/DOCR:

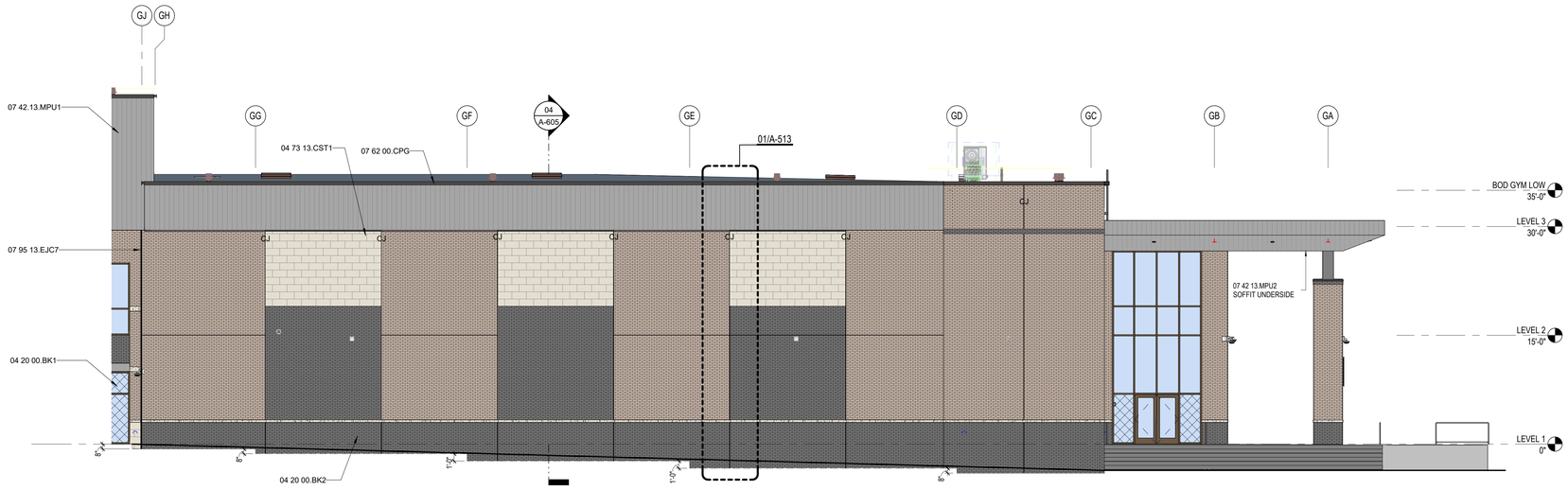
0"
1"



03 EXTERIOR ELEVATION - GYM EAST
1/8" = 1'-0"



02 EXTERIOR ELEVATION - GYM WEST
1/8" = 1'-0"



01 EXTERIOR ELEVATION - GYM SOUTH 1
1/8" = 1'-0"

GENERAL ELEVATION NOTES

1. ALL BUILDING EXPANSION JOINT TO BE 1" UNLESS OTHERWISE NOTED.
2. CONTROL JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED. EXTEND FULL HEIGHT OF WALL.
3. 1/2" EXPANSION JOINT FILLER ON BOTH ENDS OF ALL STEEL LINTEL ANGLES.
4. EXPOSED EXTERIOR STRUCTURAL STEEL TUBE MEMBERS SHALL BE PAINTED P-9.
5. STEEL MASONRY LINTELS SHALL BE GALVANIZED.
6. EXPOSED CONCRETE WALLS, COLUMNS, AND BEAMS SHALL BE RUBBED GROUT FINISH.
7. MASONRY WEEP AT 16" O.C. MAXIMUM.
8. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE ALUMINUM SUB-SILLS WITH END DAMS.
9. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE CONTINUOUS ALUMINUM BACKFILLERS WITH CONTINUOUS PERIMETER ALUMINUM ANGLE.
10. FLEXIBLE MEMBRANE FLASHING AT WINDOWS SILLS AND LINTELS SHALL HAVE PRE-FORMED END DAMS.
11. MASONRY VENEER CONTROL JOINTS SHALL BE 3/8" AT INSIDE CORNERS. AT DISTANCES NOT TO EXCEED 2'-4" FROM OUTSIDE CORNERS, AND AT 30'-0" O.C. MAXIMUM. UNLESS NOTED OTHERWISE. REFERENCE EXTERIOR ELEVATIONS.
12. GUTTERS, CONDUCTOR HEADS, AND DOWNSPOUTS SHALL BE PRE-FINISHED SHEET METAL. COLOR SELECTED BY ARCHITECT.
13. DOWNSPOUTS SHALL HAVE 16 GAUGE PRE-FINISHED DOWNSPOUT BOOTS TO 6'-0" ABOVE FINISH GRADE. COLOR SELECTED BY ARCHITECT.
14. DOWNSPOUTS AND/OR ROOF DRAINS SHALL BE CONNECTED TO STORM DRAIN SYSTEM UNLESS OTHERWISE NOTED. REFERENCE CIVIL FOR STORM DRAIN CONNECTION DETAILS AND LOCATIONS.
15. CONTRACTOR SHALL PROVIDE MOCK-UP FOR EACH EXTERIOR CONDITION AND CONSTRUCTION ASSEMBLY TYPE. INCLUDE A 2X2 WINDOW MOCK-UP. MOCK-UP SHALL INCLUDE METAL FLASHINGS, VERTICAL AND HORIZONTAL FLEXIBLE MEMBRANE FLASHINGS, AND WINDOW INSTALLATIONS AS DETAILED IN CONSTRUCTION DOCUMENTS. MOCK-UP SHALL BE A MINIMUM OF 8'-0" TALL X 16'-0" LONG WITH AN EXTERIOR CORNER, INTERIOR CORNER, AND VERTICAL CONTROL JOINTS. COORDINATE LOCATION OF MOCK-UP PANEL WITH ARCHITECT PRIOR TO CONSTRUCTION.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
04 20 00.BK1	BRICK TYPE 1 - GALENA NEW BLEND
04 20 00.BK2	BRICK TYPE 2 - MIDNIGHT IRONSPOT VELOUR
04 73 13.CST1	
07 42.13.MPU1	UNINSULATED METAL WALL PANEL, TYPE 1 - CONCEALED FASTENER
07 62 00.CPG	PRE-FINISHED METAL COPING
07 95 13.EJC7	INTERIOR, FIRE-RATED, FLOOR/WALL/CEILING, SEISMIC-MOVEMENT JOINT COVER
10 71 13.43 ALS	ALUMINUM SUN SCREEN SYSTEM

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

GG2
1" CLEAR INSULATED VISION GLASS

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 20 00.BK2 (R)
BRICK TYPE 2
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL
BERRIDGE, DOUBLE-RIB PANEL WITH EXPOSED FASTENERS,
DARK BRONZE

04 73 13.CST2
SPLIT-FACE GINGER STONE VENEER,
ARRISCRAFT

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE MATERIAL WALL PANEL

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www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN / TRUE

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

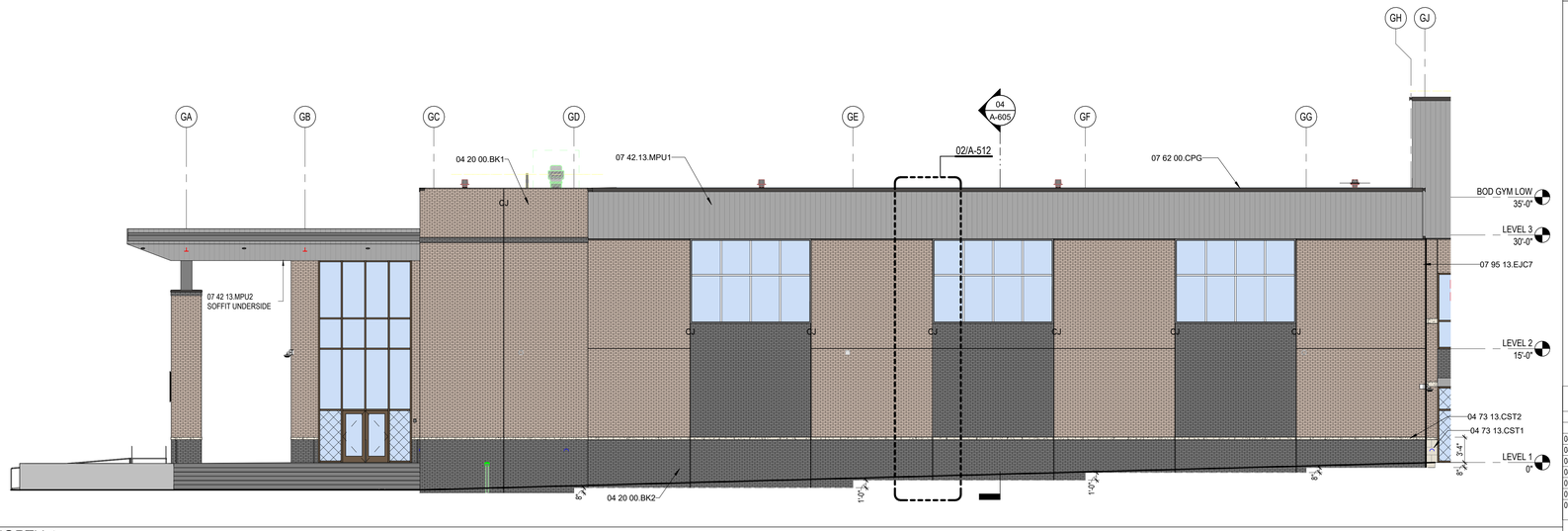
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DRAWN BY: Author

EXTERIOR ELEVATIONS

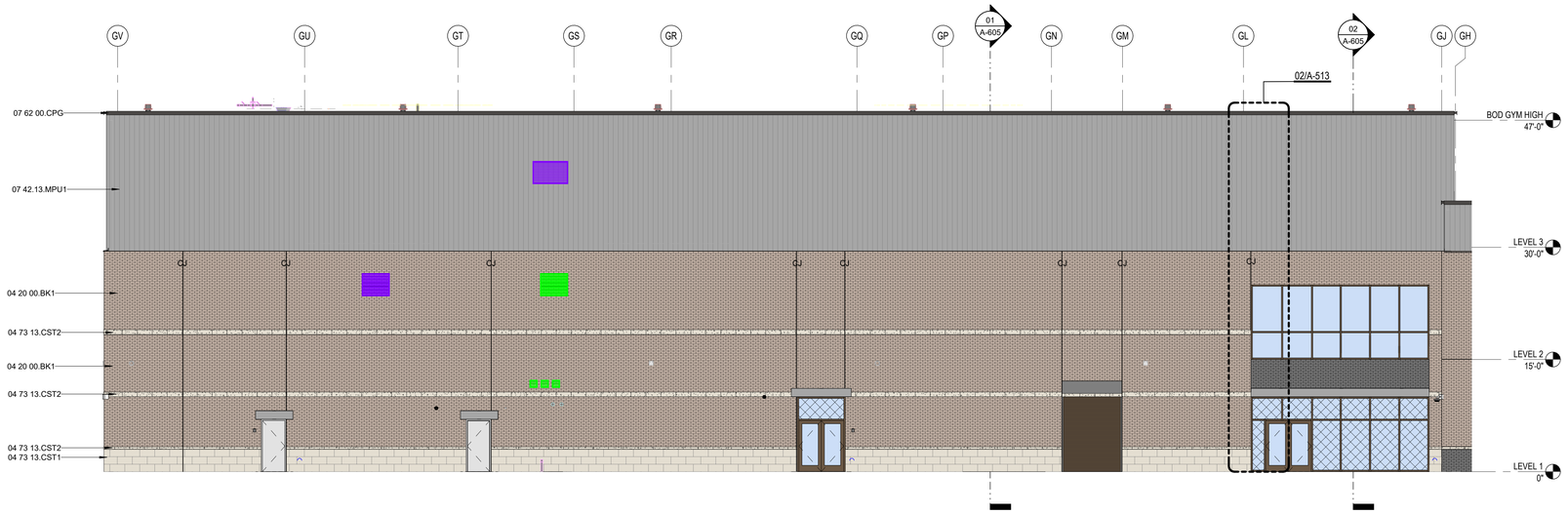
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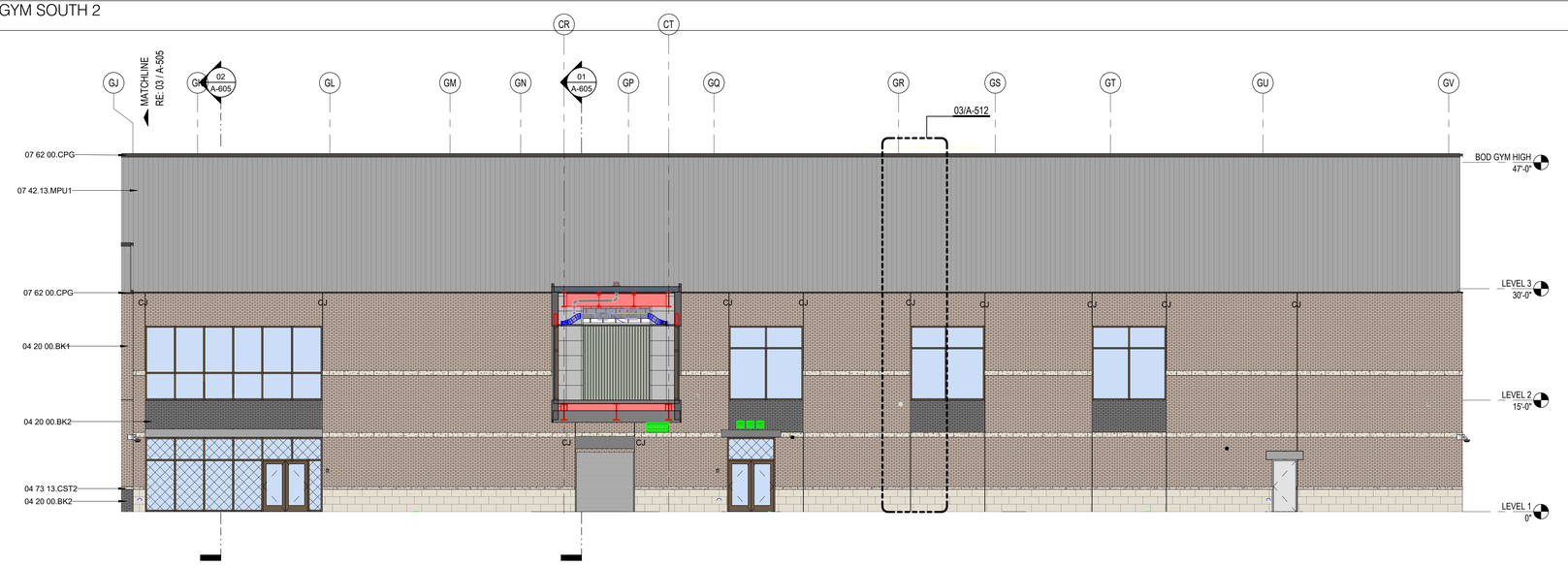
0"
1"



03 EXTERIOR ELEVATION - GYM NORTH 1
1/8" = 1'-0"



02 EXTERIOR ELEVATION - GYM SOUTH 2
1/8" = 1'-0"



01 EXTERIOR ELEVATION - GYM NORTH 2
1/8" = 1'-0"

GENERAL ELEVATION NOTES

1. ALL BUILDING EXPANSION JOINT TO BE 1" UNLESS OTHERWISE NOTED.
2. CONTROL JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED. EXTEND FULL HEIGHT OF WALL.
3. 1/2" EXPANSION JOINT FILLER ON BOTH ENDS OF ALL STEEL LINTEL ANGLES.
4. EXPOSED EXTERIOR STRUCTURAL STEEL TUBE MEMBERS SHALL BE PAINTED P-9.
5. STEEL MASONRY LINTELS SHALL BE GALVANIZED.
6. EXPOSED CONCRETE WALLS, COLUMNS, AND BEAMS SHALL BE RUBBED GROUT FINISH.
7. MASONRY WEEP AT 16" O.C. MAXIMUM.
8. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE ALUMINUM SUB-SILLS WITH END DAMS.
9. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE CONTINUOUS ALUMINUM BACKFILLERS WITH CONTINUOUS PERIMETER ALUMINUM ANGLE.
10. FLEXIBLE MEMBRANE FLASHING AT WINDOWS SILLS AND LINTELS SHALL HAVE PRE-FORMED END DAMS.
11. MASONRY VENEER CONTROL JOINTS SHALL BE 3/8" AT INSIDE CORNERS. AT DISTANCES NOT TO EXCEED 3'-4" FROM OUTSIDE CORNERS, AND AT 30'-0" O.C. MAXIMUM. UNLESS NOTED OTHERWISE. REFERENCE EXTERIOR ELEVATIONS.
12. GUTTERS, CONDUCTOR HEADS, AND DOWNSPOUTS SHALL BE PRE-FINISHED SHEET METAL. COLOR SELECTED BY ARCHITECT.
13. DOWNSPOUTS SHALL HAVE 16 GAUGE PRE-FINISHED DOWNSPOUT BOOTS TO 6'-0" ABOVE FINISH GRADE. COLOR SELECTED BY ARCHITECT.
14. DOWNSPOUTS AND/OR ROOF DRAINS SHALL BE CONNECTED TO STORM DRAIN SYSTEM UNLESS OTHERWISE NOTED. REFERENCE CIVIL FOR STORM DRAIN CONNECTION DETAILS AND LOCATIONS.
15. CONTRACTOR SHALL PROVIDE MOCK-UP FOR EACH EXTERIOR CONDITION AND CONSTRUCTION ASSEMBLY TYPE. INCLUDE A 2X2 WINDOW MOCK-UP. MOCK-UP SHALL INCLUDE METAL FLASHINGS, VERTICAL AND HORIZONTAL FLEXIBLE MEMBRANE FLASHINGS, AND WINDOW INSTALLATIONS AS DETAILED IN CONSTRUCTION DOCUMENTS. MOCK-UP SHALL BE A MINIMUM OF 8'-0" TALL X 16'-0" LONG WITH AN EXTERIOR CORNER, INTERIOR CORNER, AND VERTICAL CONTROL JOINTS. COORDINATE LOCATION OF MOCK-UP PANEL WITH ARCHITECT PRIOR TO CONSTRUCTION.

KEYNOTE LEGEND

NUMBER	DESCRIPTION
04 20 00.BK1	BRICK TYPE 1 - GALENA NEW BLEND
04 20 00.BK2	BRICK TYPE 2 - MIDNIGHT IRONSPOT VELOUR
04 73 13.CST1	
04 73 13.CST2	
07 42.13.MPU1	UNINSULATED METAL WALL PANEL, TYPE 1 - CONCEALED FASTENER
07 62 00.CPG	PRE-FINISHED METAL COPING
07 95 13.EJC7	INTERIOR, FIRE-RATED, FLOOR/WALL/CEILING, SEISMIC-MOVEMENT JOINT COVER

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

GG2
1" CLEAR INSULATED VISION GLASS

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1,
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 20 00.BK2 (R)
BRICK TYPE 2,
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL
BERRIDGE, DOUBLE-RIB PANEL WITH
EXPOSED FASTENERS,
DARK BRONZE

04 73 13.CST2
SPLIT-FACE GINGER
STONE VENEER,
ARRISCRAFT

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE
MATERIAL WALL PANEL

EXTERIOR ELEVATIONS
A-505
FOR BLUEBEAM LABELING/OCR:

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN = TRUE



CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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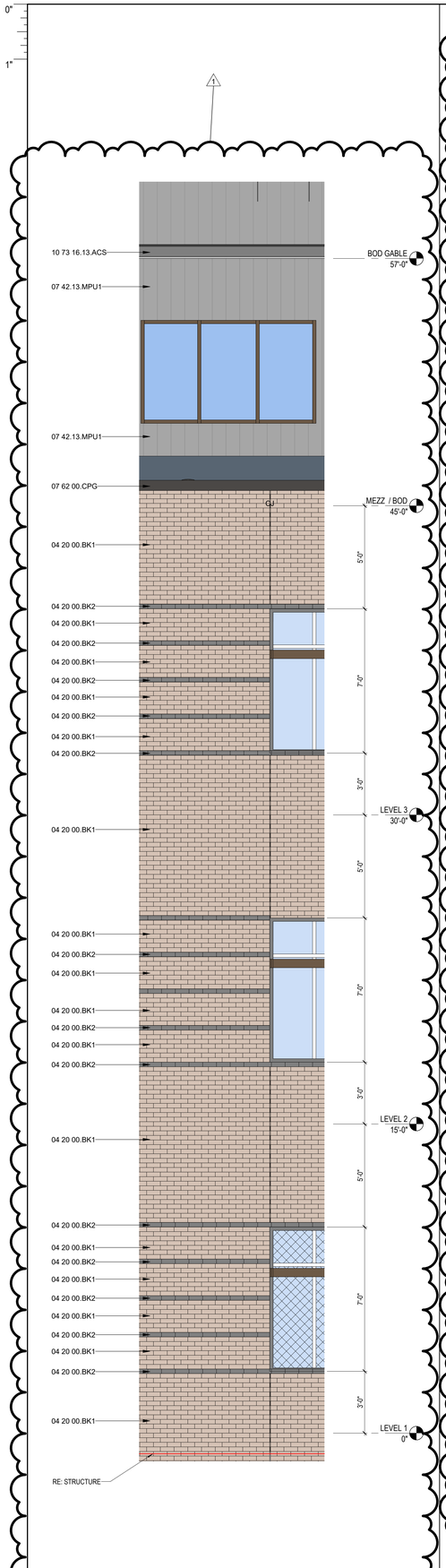
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EXTERIOR ELEVATIONS

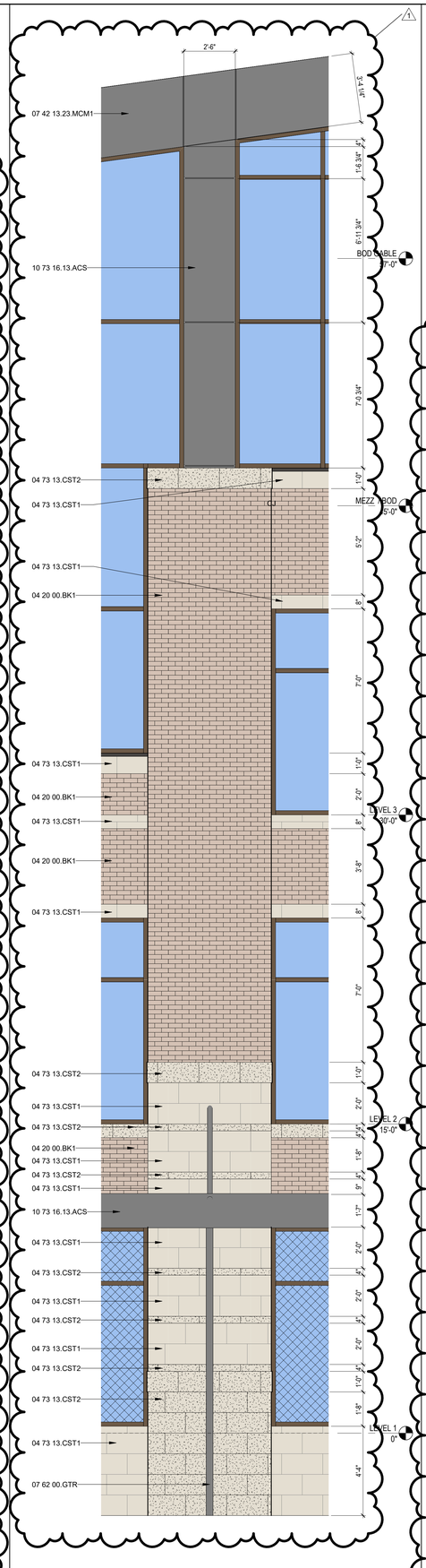
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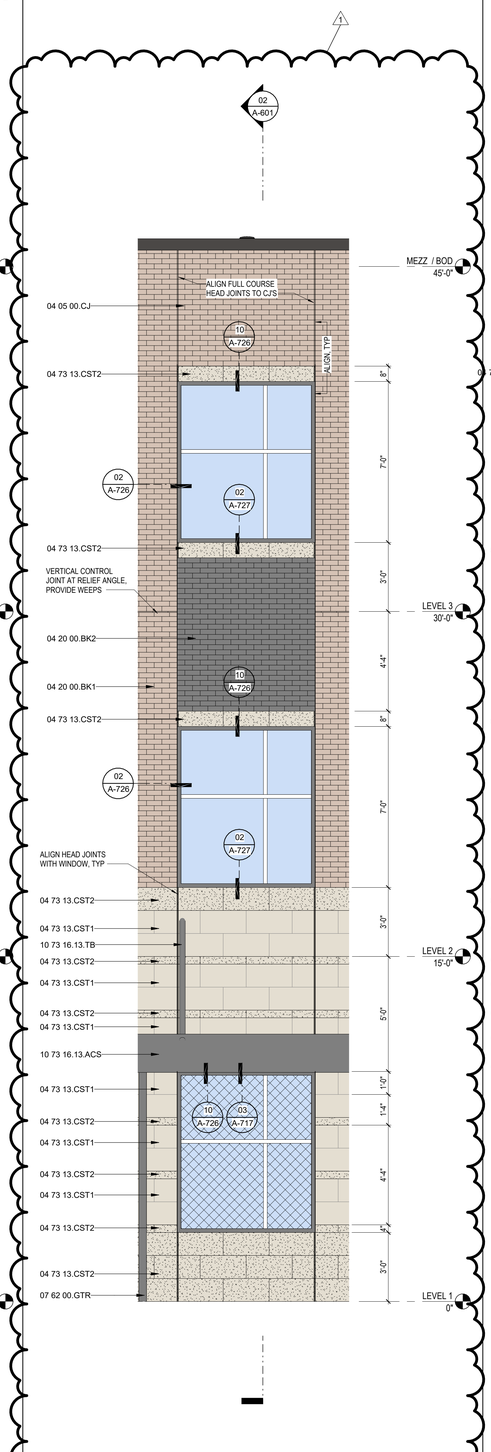
ENLARGED EXTERIOR ELEVATIONS
A-511
FOR BLUEBEAM LABELING/DOOR:



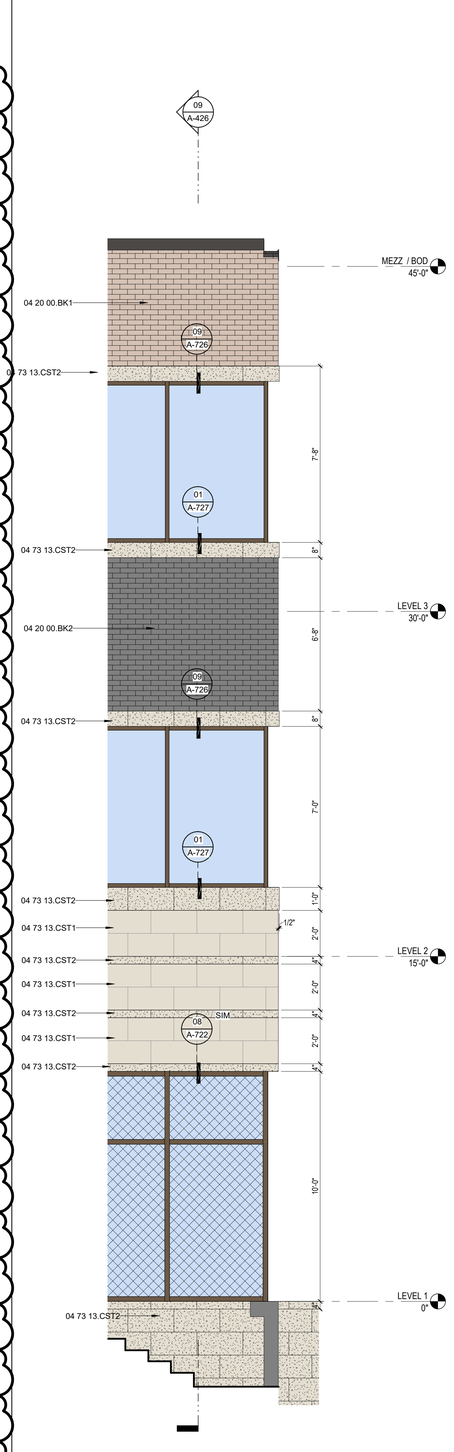
04 ENLG EXT ELEVATION - CLSRM & MULTIPRSE SOUTH 01
3/8" = 1'-0"



03 ENLARGED EXTERIOR ELEVATION - EAST 03
3/8" = 1'-0"



02 TYPICAL EXTERIOR ELEVATION - EAST 02
3/8" = 1'-0"



01 TYPICAL EXTERIOR ELEVATION - EAST 01
3/8" = 1'-0"

GENERAL ELEVATION NOTES

1. ALL BUILDING EXPANSION JOINT TO BE 1" UNLESS OTHERWISE NOTED.
2. CONTROL JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED. EXTEND FULL HEIGHT OF WALL.
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5. STEEL MASONRY LINTELS SHALL BE GALVANIZED.
6. EXPOSED CONCRETE WALLS, COLUMNS, AND BEAMS SHALL BE RUBBED GROUT FINISH.
7. MASONRY WEEP AT 16" O.C. MAXIMUM.
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9. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE CONTINUOUS ALUMINUM BACKFILLERS WITH CONTINUOUS PERIMETER ALUMINUM ANGLE.
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KEYNOTE LEGEND

NUMBER	DESCRIPTION
04 05 00.CJ	MASONRY CONTROL JOINT
04 20 00.BK1	BRICK TYPE 1 - GALENA NEW BLEND
04 20 00.BK2	BRICK TYPE 2 - MIDNIGHT IRONSPOT VELOUR
04 73 13.CST1	
04 73 13.CST2	
07 42 13.23.MCM1	ALUMINUM METAL COMPOSITE MATERIAL WALL PANEL, TYPE 1 - [DARK BRONZE]
07 42.13.MPU1	UNINSULATED METAL WALL PANEL, TYPE 1 - CONCEALED FASTENER
07 62 00.CPG	PRE-FINISHED METAL COPING
07 62 00.GTR	GUTTER
10 73 16.13.ACS	ALUMINUM CANOPY SYSTEM
10 73 16.13.TB	CANOPY TIE BACK, COORD. W/ STRUCT.

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1,
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 20 00.BK2 (R)
BRICK TYPE 2,
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL
BERRIDGE, DOUBLE-RIB PANEL WITH
EXPOSED FASTENERS,
DARK BRONZE

04 73 13.CST2
SPLIT-FACE GINGER
STONE VENEER,
ARRISCRAFT

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE
MATERIAL WALL PANEL

PBK

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TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: Checker
DRAWN BY: KMc

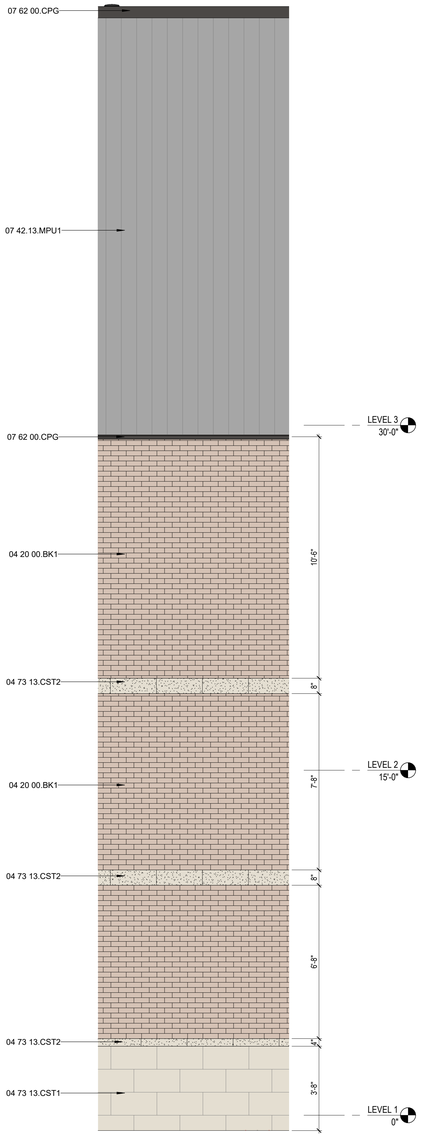
ENLARGED EXTERIOR ELEVATIONS

A-511

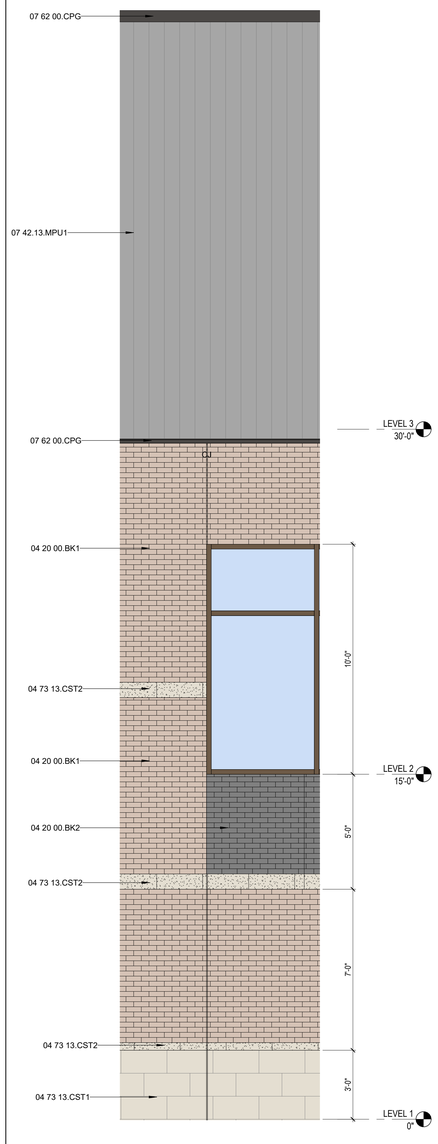
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ENLARGED EXTERIOR ELEVATIONS
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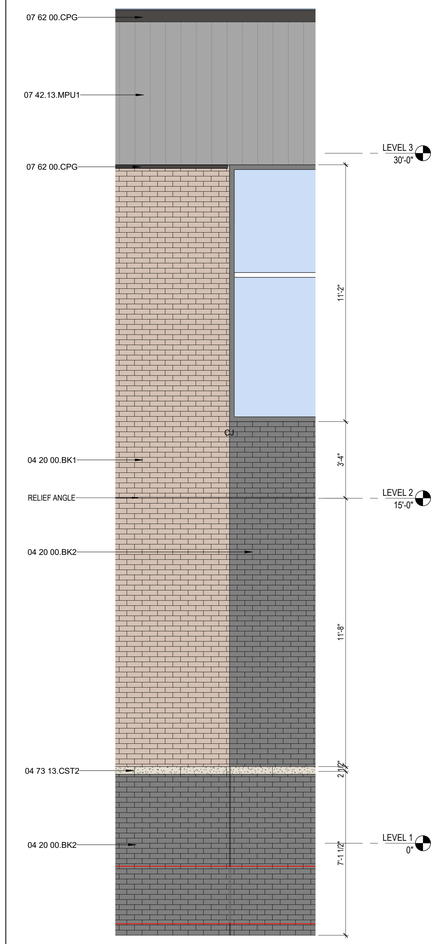
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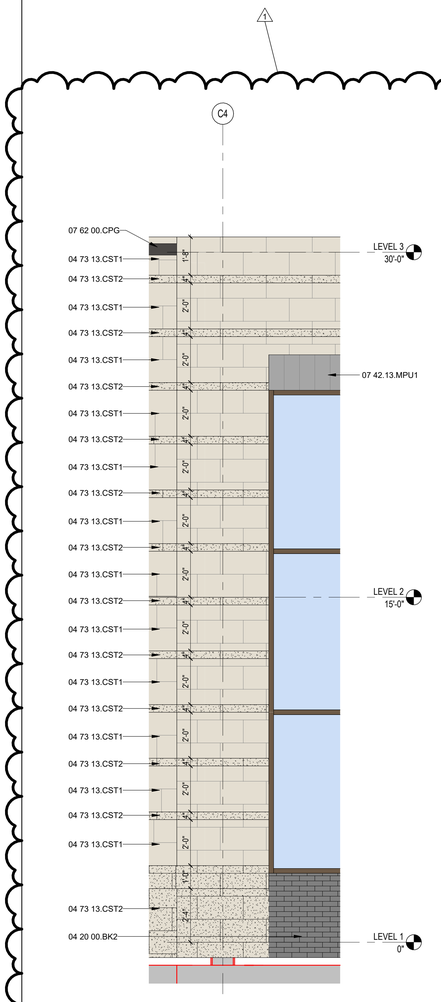
04 ENLARGED EXTERIOR ELEVATION - GYM WEST
3/8" = 1'-0"



03 ENLARGED EXTERIOR ELEVATION - GYM NORTH 02
3/8" = 1'-0"



02 ENLARGED EXTERIOR ELEVATION - GYM NORTH 01
3/8" = 1'-0"



01 ENLARGED EXTERIOR ELEVATION - LIBRARY EAST
3/8" = 1'-0"

GENERAL ELEVATION NOTES

1. ALL BUILDING EXPANSION JOINT TO BE 1" UNLESS OTHERWISE NOTED.
2. CONTROL JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED. EXTEND FULL HEIGHT OF WALL.
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5. STEEL MASONRY LINTELS SHALL BE GALVANIZED.
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7. MASONRY WEEP AT 16" O.C. MAXIMUM.
8. EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL HAVE ALUMINUM SUB-SILLS WITH END DAMS.
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KEYNOTE LEGEND

NUMBER	DESCRIPTION
04 20 00.BK1	BRICK TYPE 1 - GALENA NEW BLEND
04 20 00.BK2	BRICK TYPE 2 - MIDNIGHT IRONSPOT VELOUR
04 73 13.CST1	
04 73 13.CST2	
07 42.13.MPU1	UNINSULATED METAL WALL PANEL, TYPE 1 - CONCEALED FASTENER
07 62 00.CPG	PRE-FINISHED METAL COPING

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1,
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 20 00.BK2 (R)
BRICK TYPE 2,
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL
BERRIDGE, DOUBLE-RIB PANEL WITH EXPOSED FASTENERS,
DARK BRONZE

04 73 13.CST2
SPLIT-FACE GINGER STONE VENEER,
ARRISCRAFT

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE MATERIAL WALL PANEL

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN = TRUE

JAN LEPICOVSKY
REGISTERED ARCHITECT
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: KMc

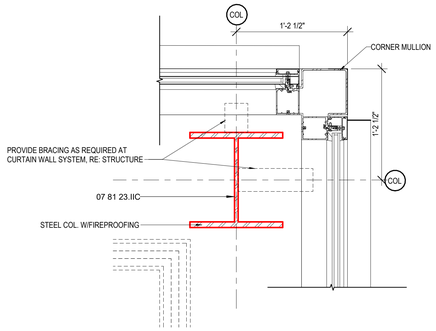
ENLARGED EXTERIOR ELEVATIONS

A-512

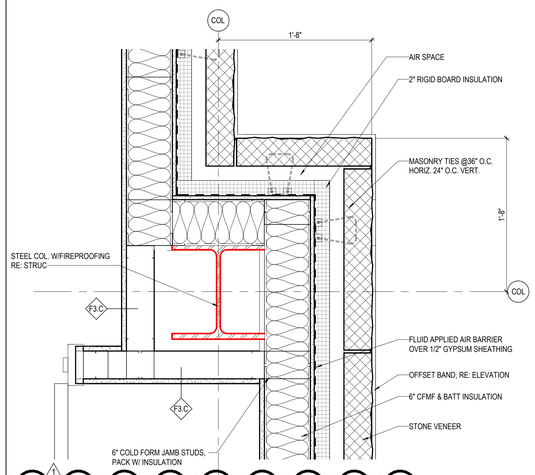
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PLAN DETAILS
A-701
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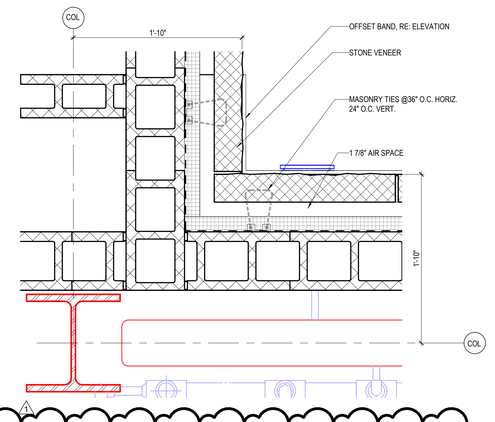
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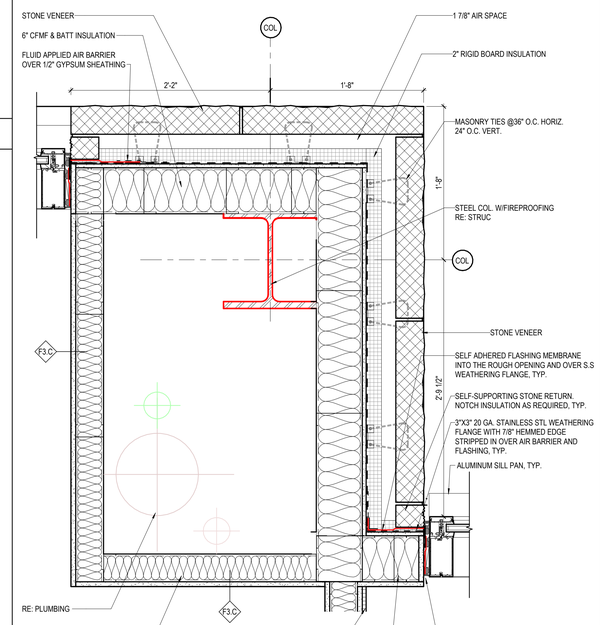
11 LEVEL 1 - AREA C - COLUMN @ STAIR
1 1/2" = 1'-0"



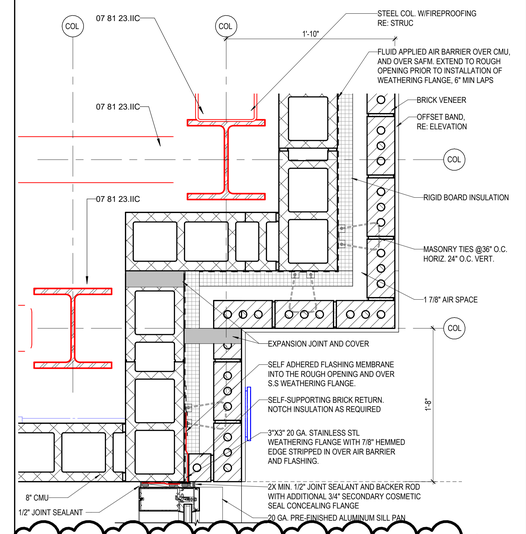
10 LEVEL 1 - AREA C - COLUMN @ STORAGE ROOM
1 1/2" = 1'-0"



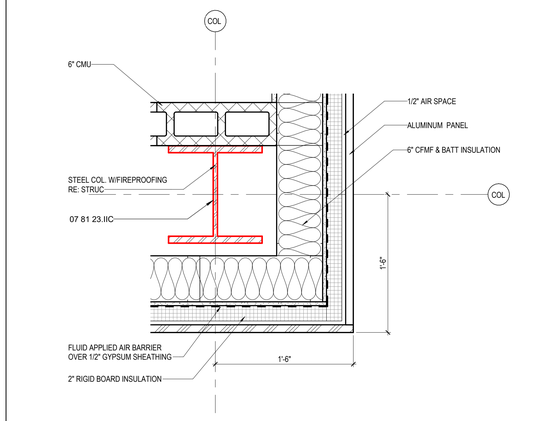
09 LEVEL 1 - AREA A - RESTROOM @ PLUMBING CHASE 02
1 1/2" = 1'-0"



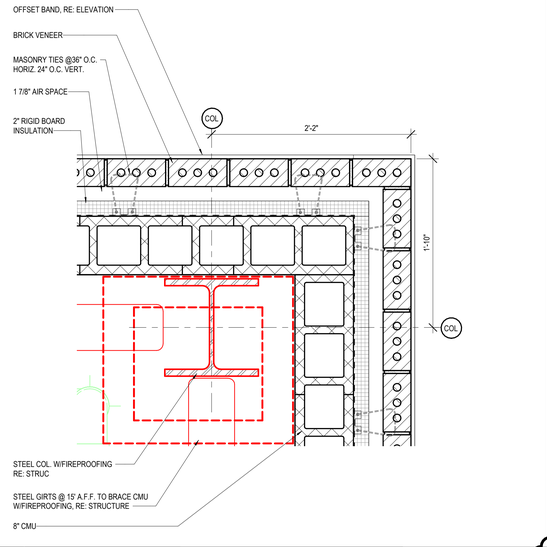
05 LEVEL 1 -EXTERIOR CORNER @ PLUMBING CHASE
1 1/2" = 1'-0"



08 LEVEL 1 - AREA B FLOOR PLAN - COLUMN @ STAIR 02
1 1/2" = 1'-0"

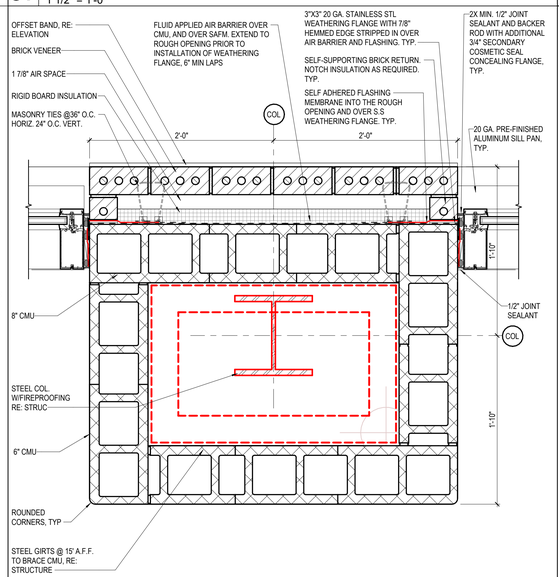


07 LEVEL 3 - AREA B - COLUMN @ STAIR
1 1/2" = 1'-0"

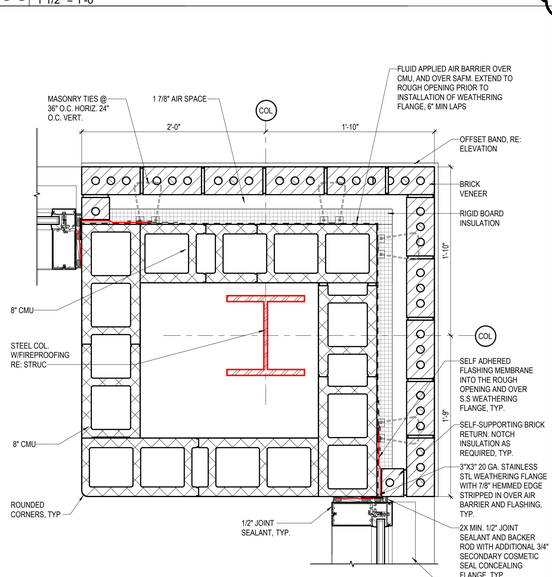


06 LEVEL 1 - AREA A - RESTROOM @ PLUMBING CHASE 01
1 1/2" = 1'-0"

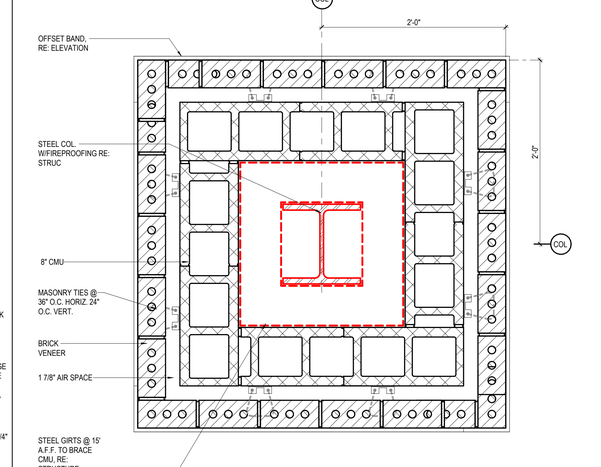
04 LEVEL 1 - AREA F FLOOR PLAN - COLUMN WRAP @ LIBRARY
1 1/2" = 1'-0"



03 LEVEL 1 - AREA A - CMU COLUMN WRAP
1 1/2" = 1'-0"



02 LEVEL 1 - AREA A - OUTSIDE CORNER
1 1/2" = 1'-0"



01 LEVEL 1 - AREA A - EXTERIOR COLUMN
1 1/2" = 1'-0"

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HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
IAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

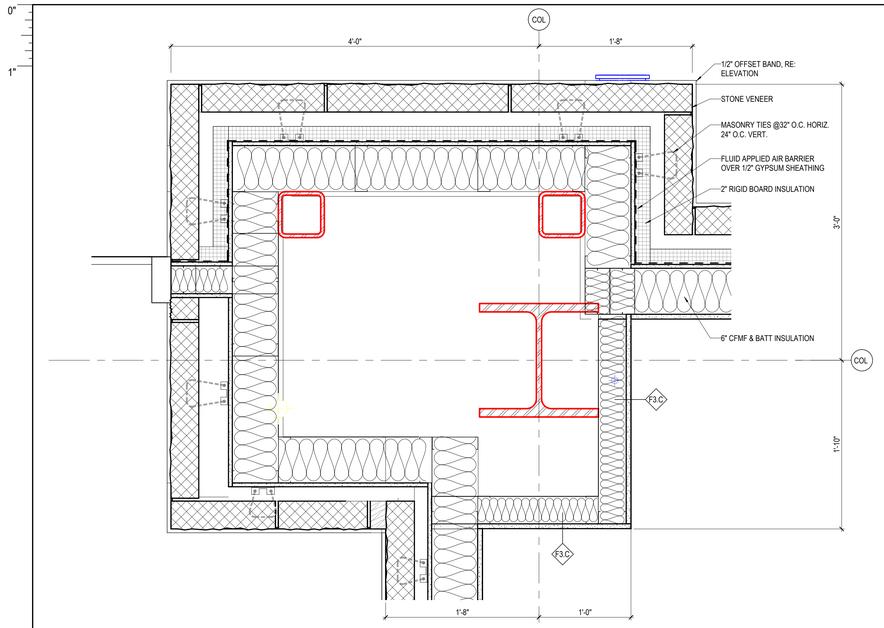
CHECKED BY: Checker
DRAWN BY: Author

PLAN DETAILS

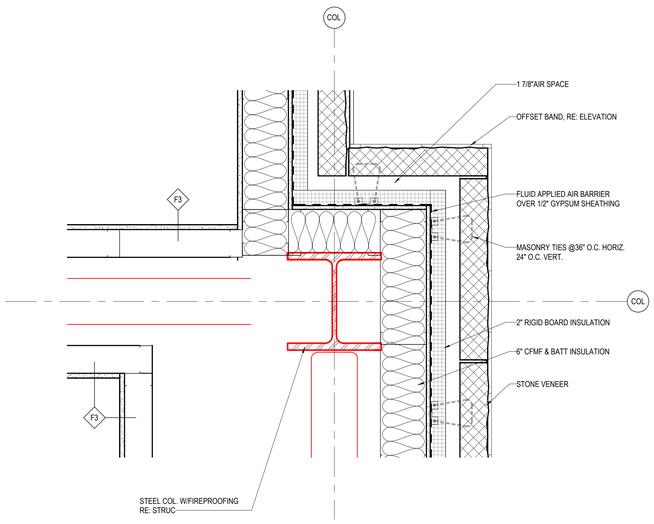
A-701

Plot Stamp:
12/11/2025 6:02:01 PM

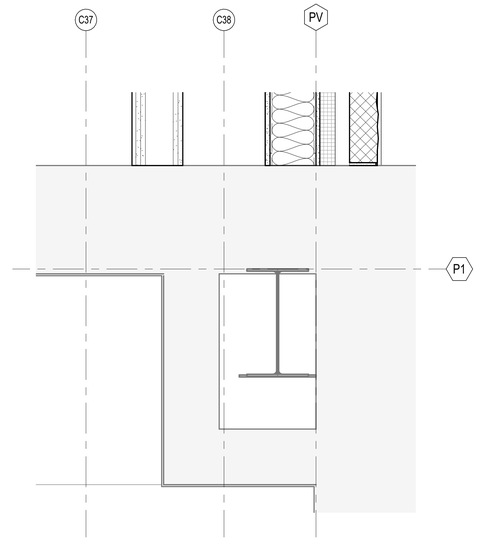
PLAN DETAILS
A-702
FOR BLUEBEAM LABELING/OCR:



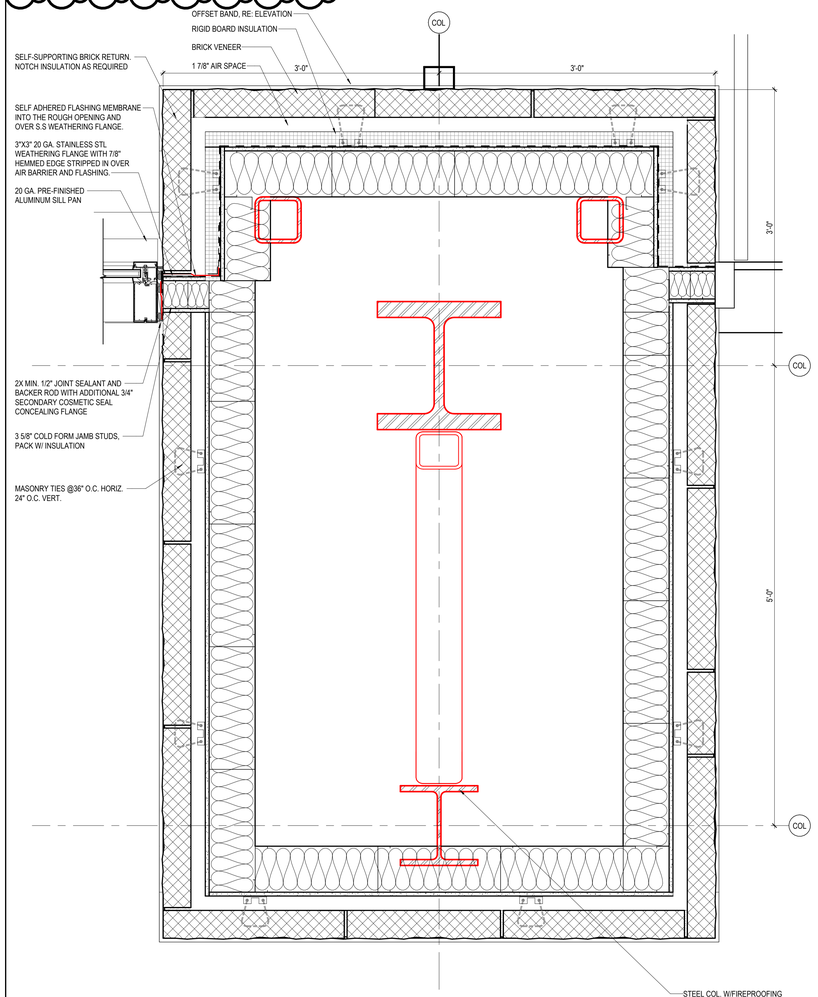
05 LEVEL 1 - EXTERIOR PILASTER DETAIL
1 1/2" = 1'-0"



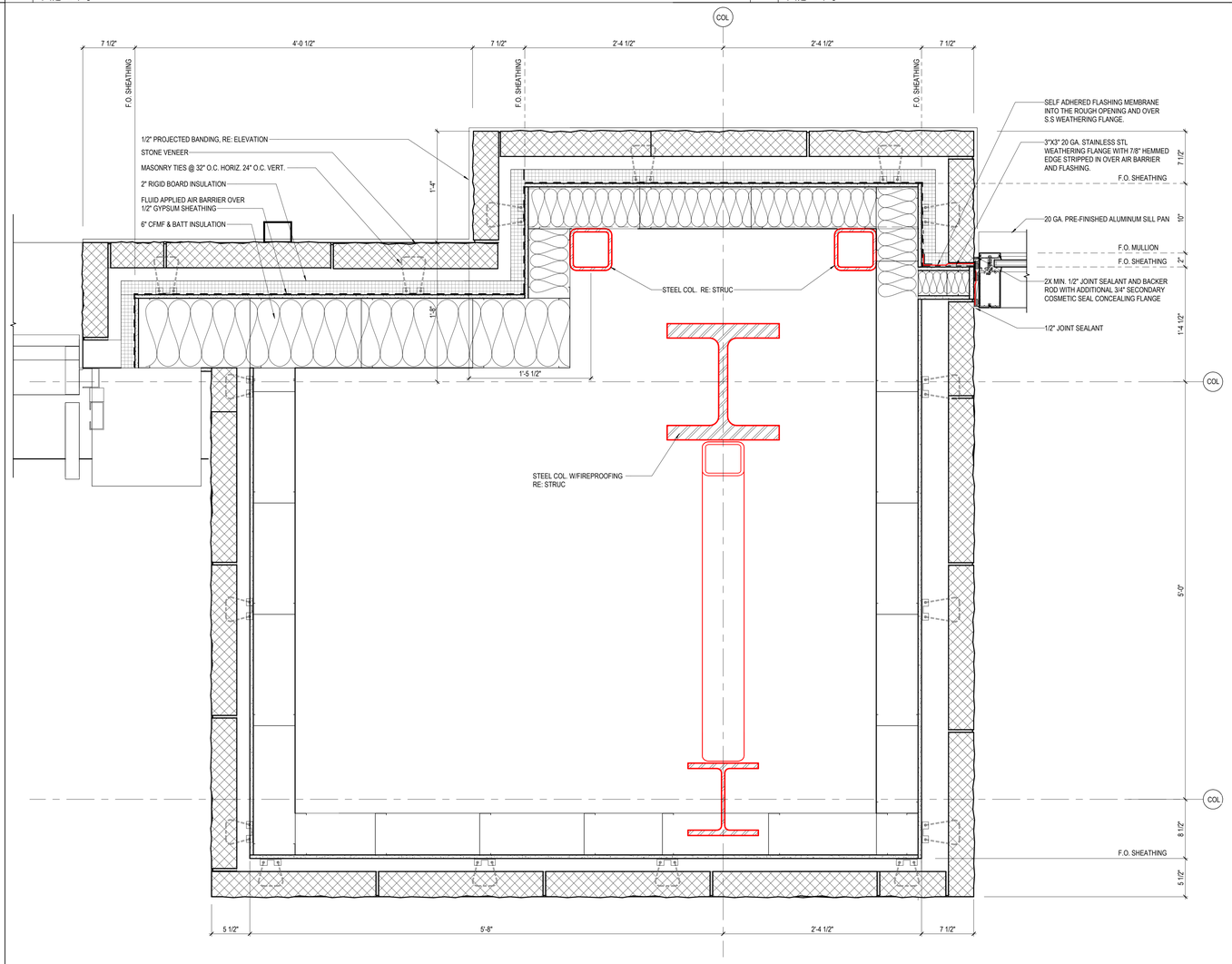
04 LEVEL 1 - AREA C - EXTERIOR BUMP OUT @ CLASSROOM
1 1/2" = 1'-0"



03 LEVEL 1 - AREA D - EXISTING COLUMN
1 1/2" = 1'-0"



02 LEVEL 1 - AREA G - COLUMN @ CW
1 1/2" = 1'-0"



01 LEVEL 1 - AREA G - COLUMN @ OVERHEAD DOOR
1 1/2" = 1'-0"

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1000 Keene St.
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KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

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CHECKED BY: Checker
DRAWN BY: Author

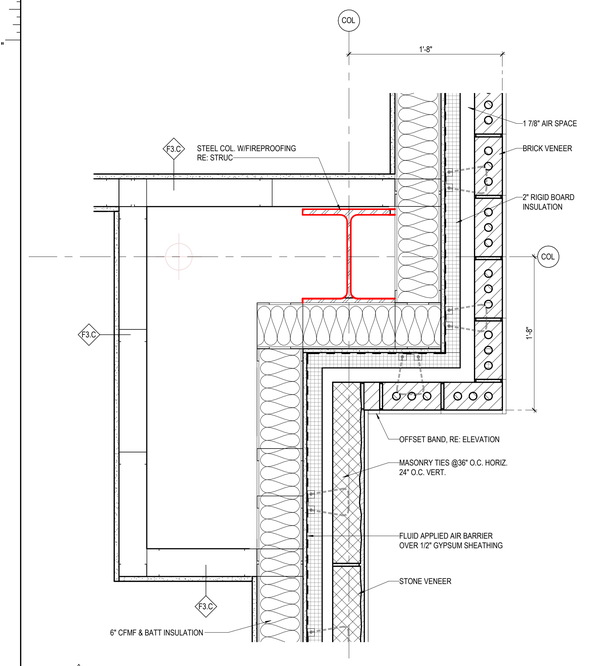
PLAN DETAILS

A-702

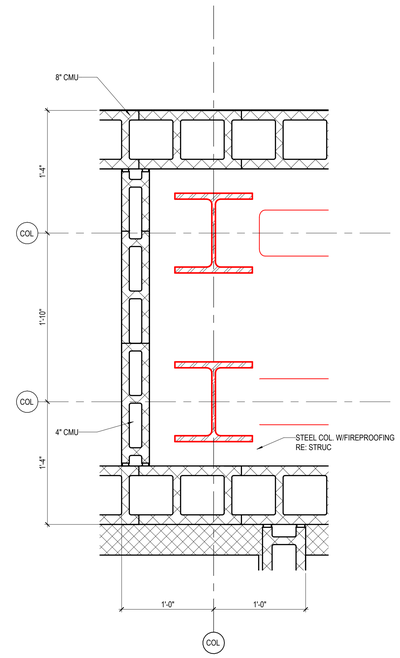
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PLAN DETAILS
A-703
FOR BLUEBEAM LABELING/OCR:

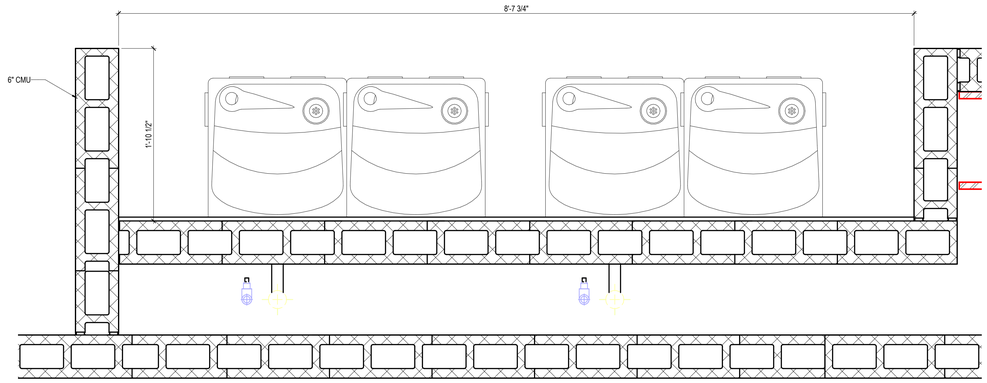
0"
1"



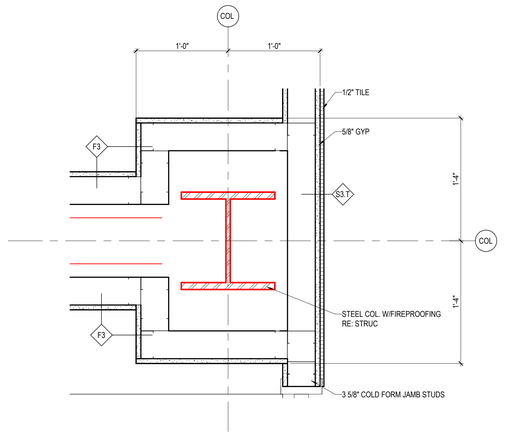
08 LEVEL 1 - AREA D - EXTERIOR BUMPOUT @ PLUMBING CHASE
1 1/2" = 1'-0"

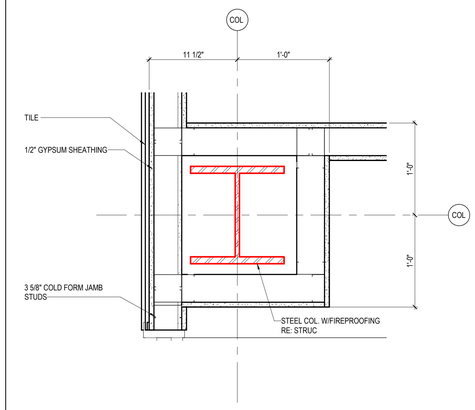


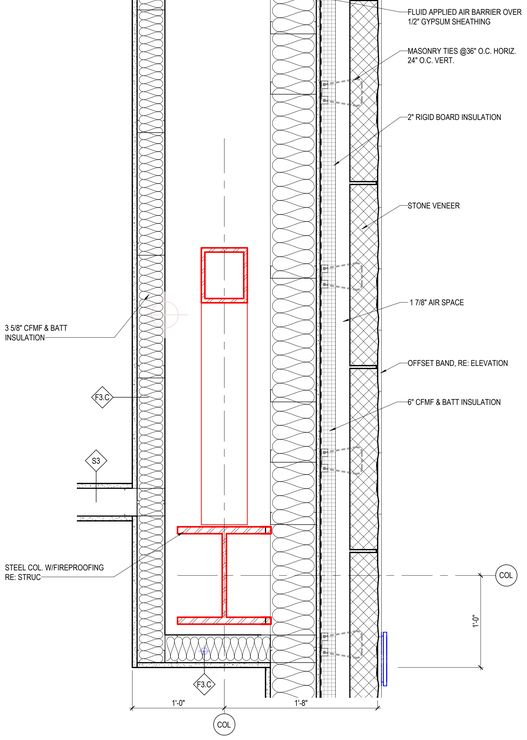
07 LEVEL 2 - AREA B - COLUMN
1 1/2" = 1'-0"



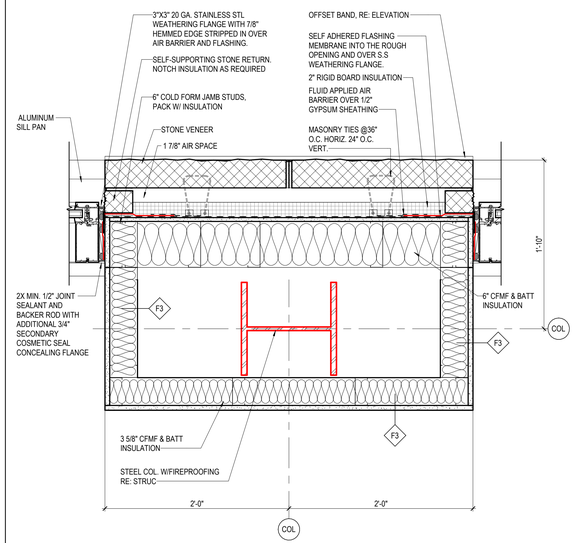
09 TYP DRINKING FOUNTAIN
1 1/2" = 1'-0"



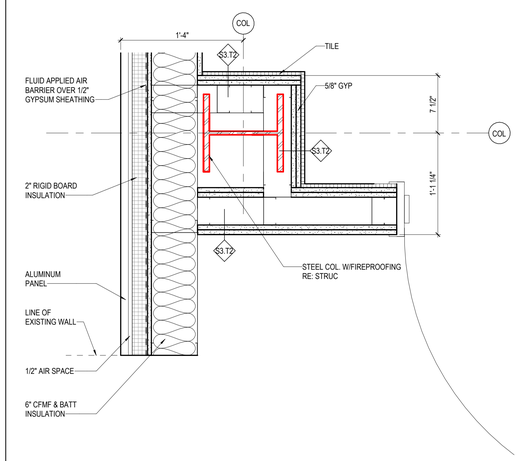




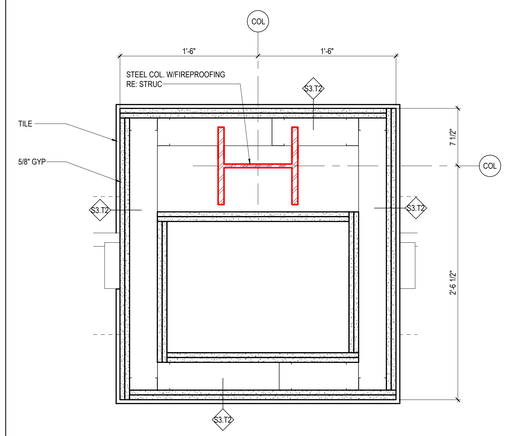
04 LEVEL 1 - AREA C - STRUCTURAL BEAM WRAP
1 1/2" = 1'-0"



03 LEVEL 1 - AREA F - COLUMN WRAP @ CW
1 1/2" = 1'-0"



02 LEVEL 1 - AREA F - COLUMN WRAP @ EXT WALL
1 1/2" = 1'-0"



01 LEVEL 1 - AREA F - COLUMN WRAP @ OVERHEAD DOORS
1 1/2" = 1'-0"

Plot Stamp:
12/11/2025 6:02:15 PM

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713-865-0808

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park, TX 77547

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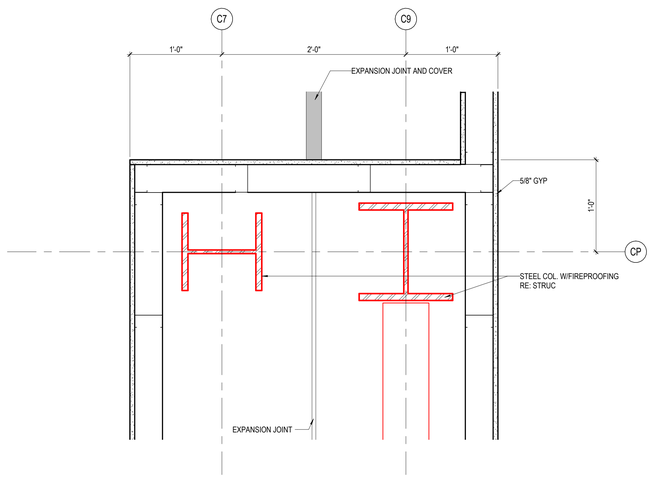
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PLAN DETAILS

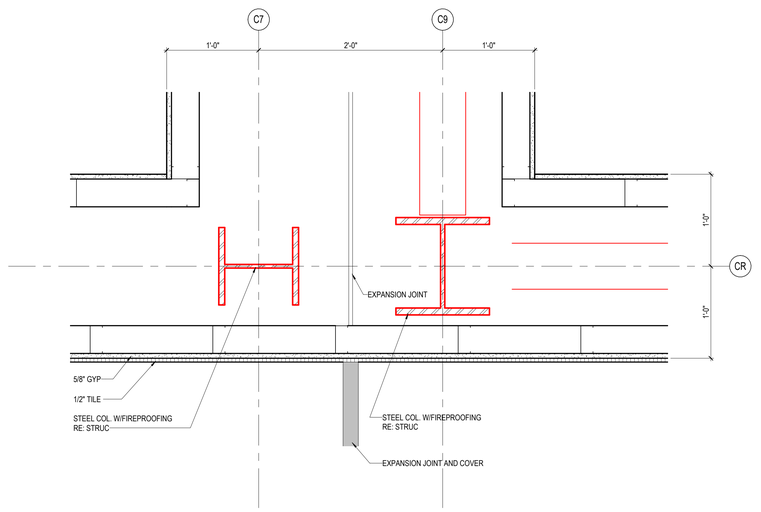
A-703

PLAN DETAILS
A-705
FOR BLUEBEAM LABELING/DOOR:

0"
1"



02 LEVEL 1 - AREA F - EJ DETAIL 02 ⚠1
1 1/2" = 1'-0"



01 LEVEL 1 - AREA F - EJ DETAIL 01 ⚠1
1 1/2" = 1'-0"

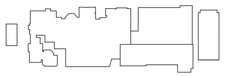
PBK
HOUSTON, TX
713-865-0008
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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

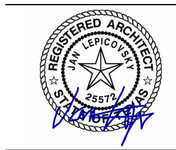
1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN
NORTH: PLAN ≈ TRUE



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Galena Park ISD	
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DRAWN BY: Author

PLAN DETAILS

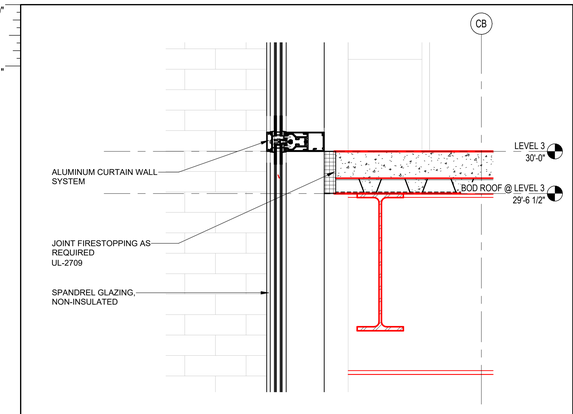
A-705

Plot Stamp:
12/11/2025 6:02:17 PM

CURTAINWALL DETAILS AT MASONRY VENEER

A-723

FOR BLUEBEAM LABELING/OCR:



12 CURTAIN WALL AT FLOOR EDGE - FIRESAFE DETAIL
1 1/2" = 1'-0"

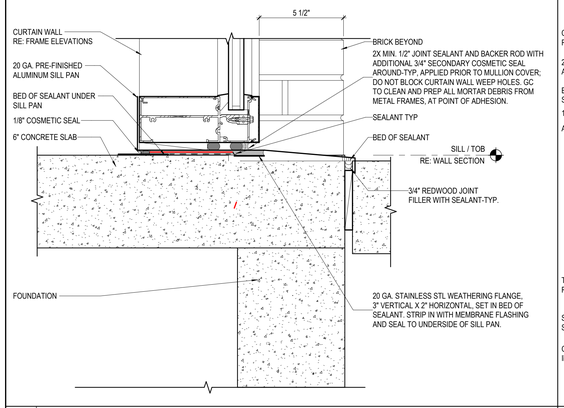
SECTION DETAIL SYMBOL LEGEND

09 21 16.GBD - 5/8" GYP. BD.
05 40 00.CS6 - 6" CFMF @ 16" O.C. GAUGE AND SPACING PER SPECS
07 21 00 - BATT INSULATION
06 16 00.GA5 - 1/2" SHEATHING
INTERIOR
EXTERIOR

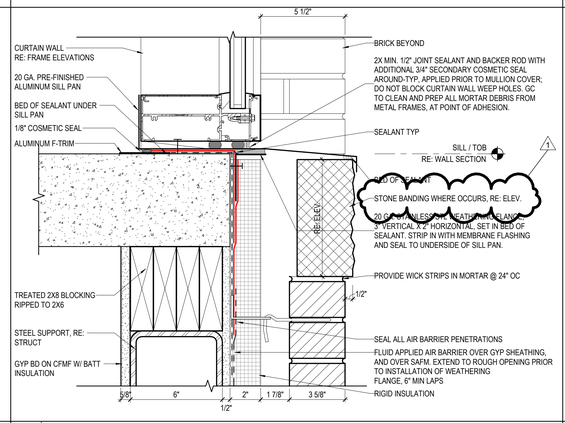
04 20 00 - CMU BLOCK
4" HIGH CMU STARTER COURSE
04 43 00 FACE STONE
04 05 00.CDP CAVITY PROTECTION DEVICE

07 42.13 UNINSULATED METAL PANEL WALL SYSTEM
09 24 00 7/8" 3 LAYER CEMENT PLASTER SYSTEM
07 21 00.PIF 2" RIGID INSULATION

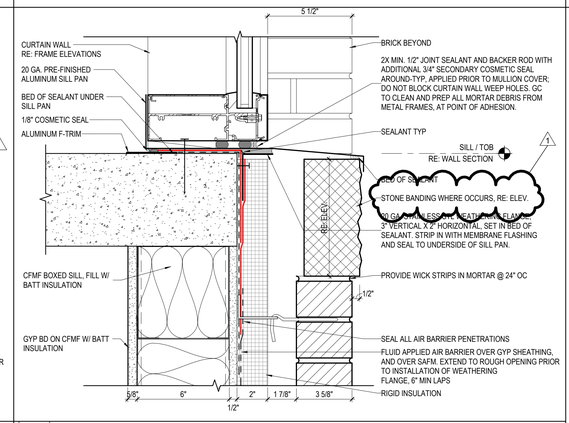
04 20 00 FACE MODULAR KING
04 05 00.TIE GALVANIZED MASONRY ANCHORS AND TIES @16" O.C
04 05 00.TIE GALVANIZED MASONRY ANCHORS AND TIES @16" O.C
04 05 00.TIE GALVANIZED MASONRY ANCHORS AND TIES @16" O.C
07 92 00.WSJ BED OF SEALANT
SELECT FILL



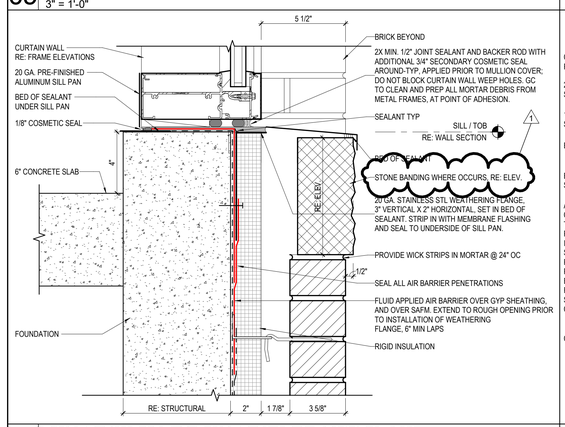
09 CW BASE @ SLAB & FOUNDATION
3" = 1'-0"



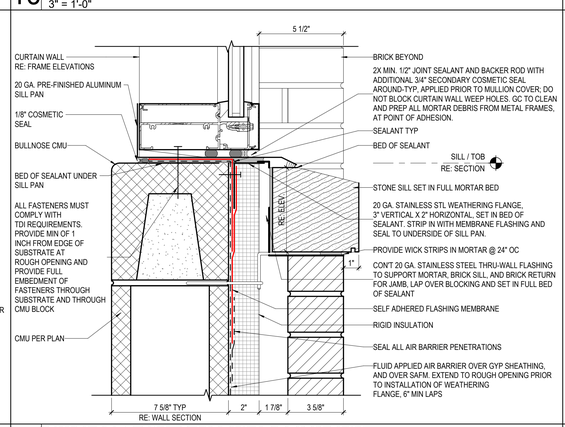
10 CW SILL @ SLAB & MODULAR BRICK CFMF STL POST
3" = 1'-0"



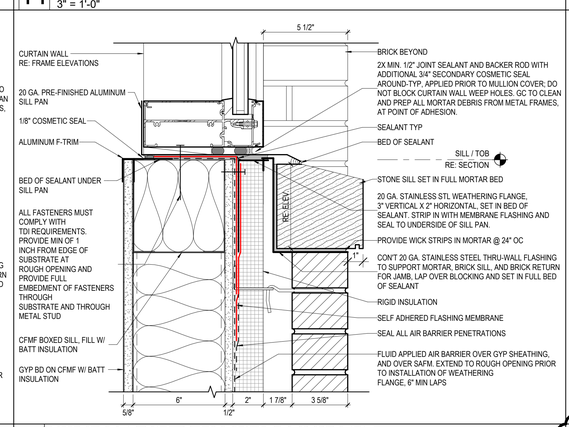
11 CW SILL @ SLAB & MODULAR BRICK CFMF
3" = 1'-0"



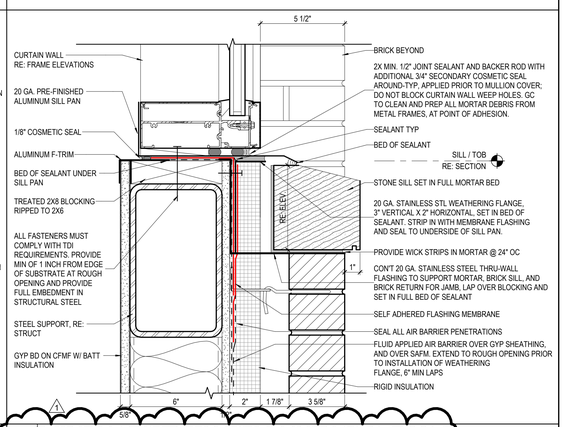
08 RAISED CW BASE @ RAISED SLAB & FOUNDATION
3" = 1'-0"



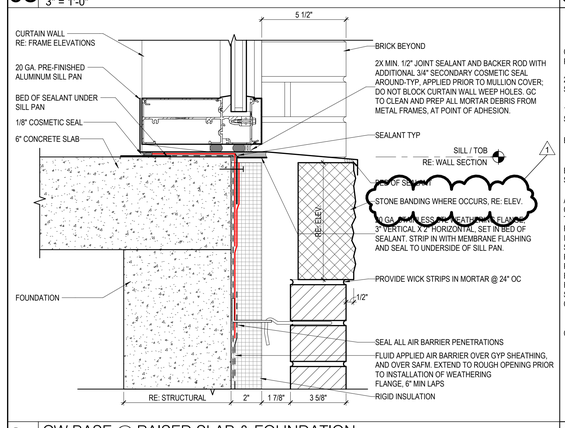
07 CW SLOPED SILL @ MODULAR BRICK CMU
3" = 1'-0"



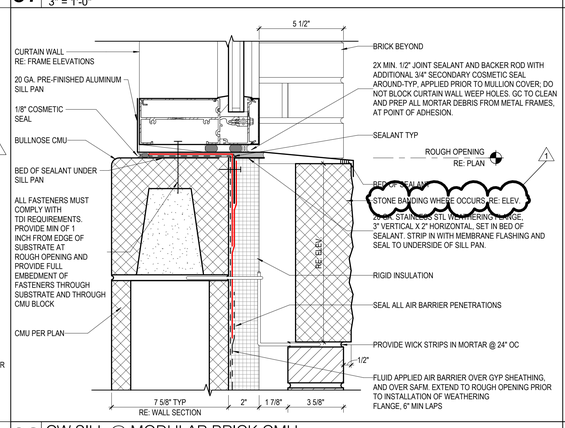
06 CW SLOPED SILL @ MODULAR BRICK CFMF
3" = 1'-0"



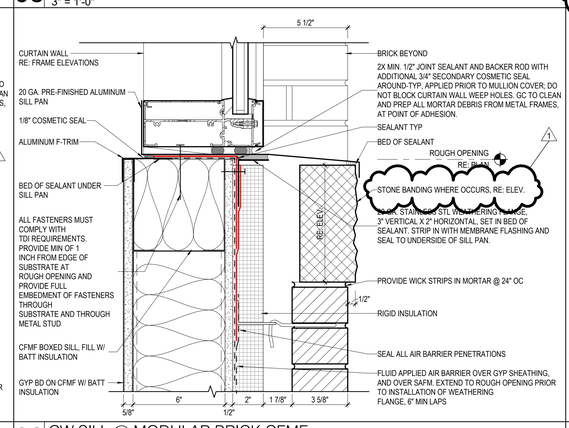
05 CW SLOPED SILL @ MODULAR BRICK CFMF STL POST
3" = 1'-0"



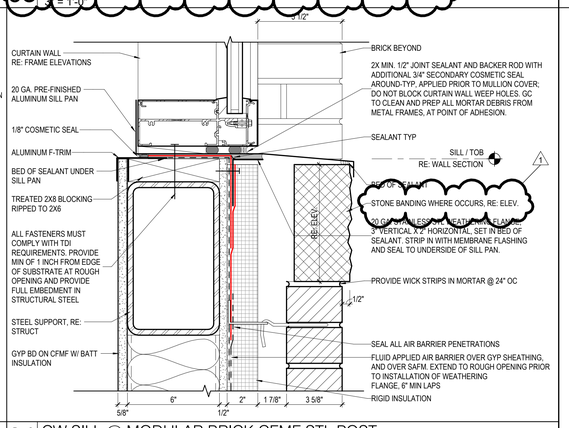
04 CW BASE @ RAISED SLAB & FOUNDATION
3" = 1'-0"



03 CW SILL @ MODULAR BRICK CMU
3" = 1'-0"



02 CW SILL @ MODULAR BRICK CFMF
3" = 1'-0"



01 CW SILL @ MODULAR BRICK CFMF STL POST
3" = 1'-0"

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

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KALUZA INC
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LANDSCAPE
KALUZA INC
T.713-965-0608
STRUCTURAL
DALLY + ASSOCIATES, INC
T.713-337-8881
MEP
TBD
T.713-840-3300
THEATER + ACOUSTICS + A/V
TBD
T.210-691-9800
FOOD SERVICE
TBD
T.281-500-7222
SPORTS ARCHITECTURE
TBD
T.713-965-0608
BUILDING ENVELOPE
BEAM
T.713-965-0608

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Galena Park ISD

DATE
December 5, 2025

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DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

DRAWN BY: Author

CURTAINWALL DETAILS AT MASONRY VENEER

A-723

Plot Stamp:
12/11/2025 6:02:22 PM

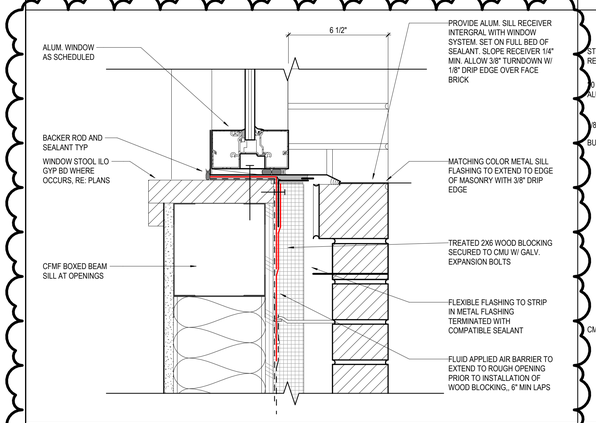
STOREFRONT DETAILS AT MASONRY VENEER

A-727

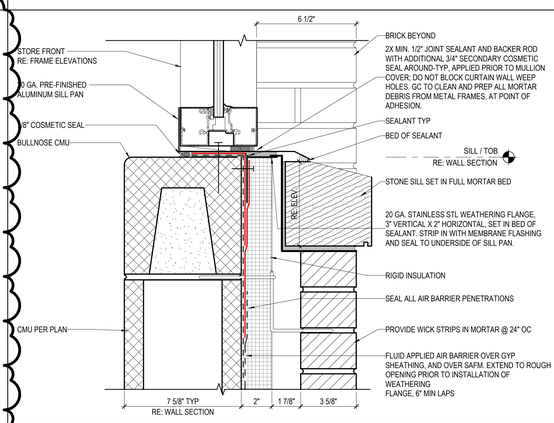
FOR BLUEBEAM LABELING/DOOR:

0"

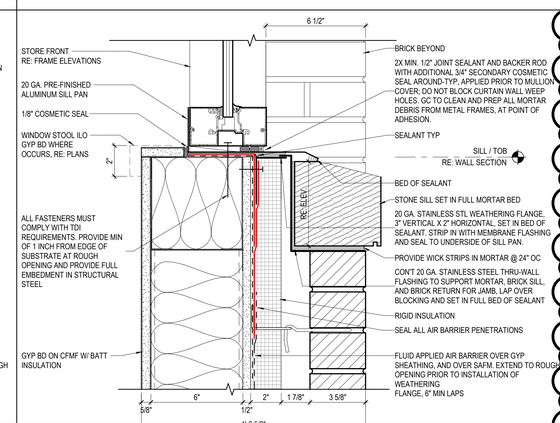
1"



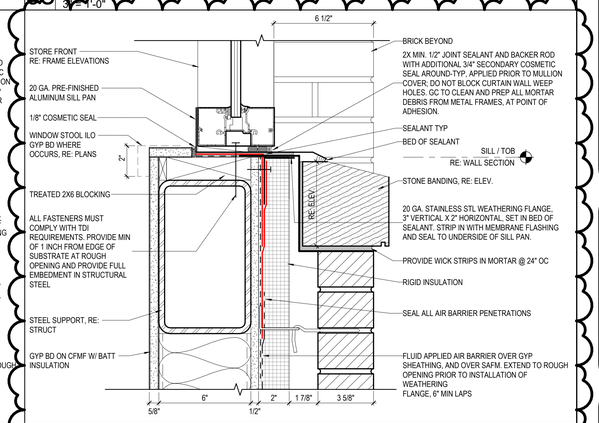
07 ALUM WINDOW SILL @ MODULAR ON CFMF
3" = 1'-0"



06 SF SLOPED SILL @ MODULAR BRICK CMU
3" = 1'-0"

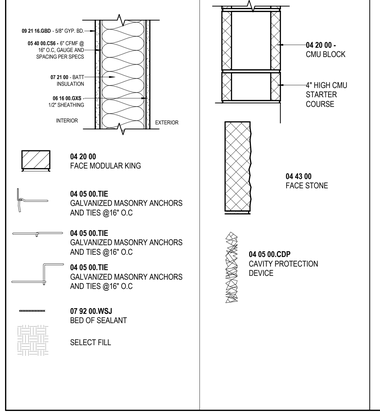


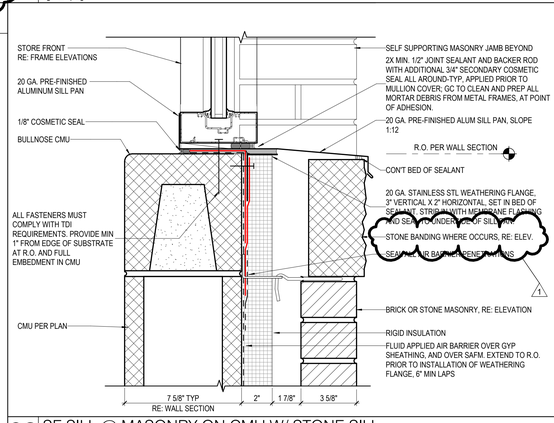
05 SF SLOPED SILL @ MODULAR BRICK CFMF
3" = 1'-0"



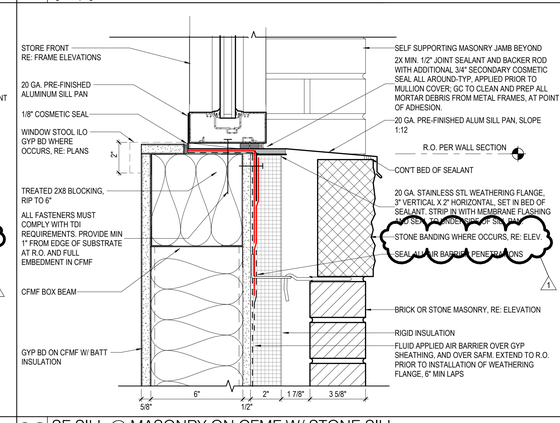
04 SF SLOPED SILL @ MODULAR BRICK CFMF STL POST
3" = 1'-0"

SECTION DETAIL SYMBOL LEGEND

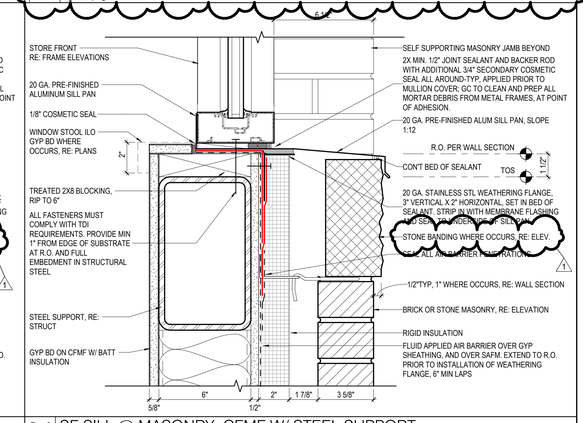




03 SF SILL @ MASONRY ON CMU W/ STONE SILL
3" = 1'-0"



02 SF SILL @ MASONRY ON CFMF W/ STONE SILL
3" = 1'-0"



01 SF SILL @ MASONRY, CFMF W/ STEEL SUPPORT
3" = 1'-0"

PBK

ARCHITECT PBK Architects, Inc.
HOUSTON PBK.com
11 Greenway Plaza, 22nd Floor
Houston, TX 77046
713-965-0608 P
713-961-4571 F
TX Firm: BR 1608

CIVIL
KALUZA INC
T 281-341-0808
CIVIL SPORTS
KALUZA INC
T 713-503-0502
LANDSCAPE
KALUZA INC
T 713-665-0588
STRUCTURAL
DALLY + ASSOCIATES, INC
T 713-337-8881
MEP
MEP7
T 713-840-3300
THEATER + ACOUSTICS + A/V
ESI
T 210-651-9800
FOOD SERVICE
FSP
T 281-500-7227
SPORTS ARCHITECTURE
BEAM
T 713-965-0608
BUILDING ENVELOPE
BEAM
T 713-965-0608

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

CLIENT
Galena Park ISD

DATE
December 5, 2025

PROJECT NUMBER
240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

DRAWN BY: Author

STOREFRONT DETAILS AT MASONRY VENEER

A-727

Plot Stamp:
12/11/2025 6:02:23 PM

DOOR SCHEDULE LEVEL 1
A-810
FOR BLUEBEAM LABELINGDOOR:

DOOR SCHEDULE REMARKS

1. ELEC. DOOR OPENER W/ HC BUTTON ON INSIDE AND OUTSIDE OF DOOR
2. ELEC. CONTROLLED ACCESS HARDWARE WITH CARD READER
3. ELEC. CONTROLLED ACCESS HARDWARE WITH PUSH-BUTTON
4. ELEC. CONTROLLED ACCESS HARDWARE, ROUGH-IN ONLY
5. DOOR BUZZER
6. DOOR CHIME ON OPEN
7. MAGNETIC HOLD-OPEN, CONNECT TO FIRE ALARM
8. MAGNETIC HOLD-OPEN, CONNECT TO SECURITY SYSTEM
9. SOUND DOOR
10. PANIC DEVICE
11. REFER TO STOREFRONT OR CURTAIN WALL ELEVATIONS

OPERABLE WALLS, OVERHEAD DOORS AND GRILLES

12. SOUND RATED DOOR ASSEMBLY, STC AS SPECIFIED
13. WINDSTORM DOOR HARDWARE SHALL BE TESTED AS PART OF A COMPLETE DOOR OPENING ASSEMBLY. THE TESTED DOOR OPENING ASSEMBLY SHALL INCLUDE DOOR HARDWARE. THE ENTIRE DOOR OPENING, INCLUDING DOOR HARDWARE, SHALL BE BY DOOR MANUF.
14. ACOUSTICAL GLASS TO MEET FIRE DOOR ASSEMBLY REQUIREMENTS FOR FIRE RATING INDICATED
15. MANUAL OPERATION
16. ELEC MOTOR OPERATION WITH KEY SWITCH CONTROL, KEY SWITCH ON ONE SIDE OF DOOR ONLY
17. ELEC MOTOR OPERATION WITH KEY SWITCH CONTROL, KEY SWITCH ON BOTH SIDES OF DOOR
18. ELEC MOTOR OPERATION WITH PUSH-BUTTON CONTROL ON ONE SIDE OF DOOR ONLY
19. AUTOMATIC OPEN ON FIRE ALARM ACTIVATION U.N.O.
20. AUTOMATIC CLOSE ON FIRE ALARM ACTIVATION

DOOR SCHEDULE

DOOR NUMBER	DATA TO ROOM NAME	DOOR WIDTH	DOOR HEIGHT	PANEL TYPE	PANEL MATL	PANEL FINISH	FRAME TYPE	FRAME MATL	FRAME FINISH	GENERAL FIRE RATING	GENERAL HARDWARE SET	GENERAL REMARKS
LEVEL 1												
ATHLETICS												
1500A	GYM LOBBY	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			2, 10, 11
1500B	GYM LOBBY	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			10, 11
1500C	GYM LOBBY	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			10, 11
1500D	GYM LOBBY	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			2, 10, 11
1500E	GYM LOBBY	6'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			10
1500F	GYM LOBBY	6'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			10
1501	WOMEN'S RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1502	GYM STORAGE	4'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1503	GYM LOBBY	3'-0"	6'-10"	F	WS	PLAM - Black	001	ALUM	CLR ANO			2
1504	TICKET BOOTH	3'-0"	6'-10"	F	WS	PLAM - Black	001	ALUM	CLR ANO			2
1504.1	TICKET BOOTH STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1505	CONCESSIONS	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			2
1505A	CONCESSION STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1505B	GYM LOBBY	6'-0"	4'-2"	OHCS	ALUM	CLR ANO	00CF	ALUM	CLR ANO			
1506	MEN'S RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1507	STAIR 01	6'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			10
1507A	STAIR 02	6'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			10
1510	OFFICIAL FLEX OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1511	STAIR 01	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1511.1	VISITOR / FLEX ROOM	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1512	ELECTRICAL	4'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1513	VOLLEYBALL/BASKETBALL STORAGE	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1515	CORRIDOR	6'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1515B	CORRIDOR	6'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1515C	MAIN WEIGHT ROOM	8'-0"	8'-0"	OHCS	ALUM	CLR ANO	00CF	ALUM	CLR ANO			
1516	BOYS RR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1517	GIRLS RR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1518	OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1519	CORRIDOR	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1520	TRAINERS	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1520.1	CART STORAGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1520.1A	CART STORAGE	8'-0"	10'-0"	OHCS	ALUM	DB ANO	00CF	ALUM	DB ANO			
1521	OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1522	OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1523	OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1524	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1524.1	CORRIDOR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			2
1524.2	FLEX OFF.	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1525	OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1526	CORRIDOR	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1527	CUSTODIAL	4'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1528	HEAD COACH GIRLS SPORTS	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1529	GIRLS SPORTS COACHES OFFICE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1529.2	COACHES RR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1529A	GIRLS SPORTS COACHES OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1530	GIRLS PE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1531	GIRLS BASKETBALL	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1531.1	STORAGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1533	TRACK / CROSS COUNTRY	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1533.1	STORAGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1534	GIRLS VOLLEYBALL	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1534.1	STORAGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1535	CHEERLEADING	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1535.1	STORAGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1536		3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			10
1536A	STAIR 04	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2	1-HR		
1537	GIRLS GOLF	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1538	GIRLS SOCCER	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1538.1	STORAGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1539	HEAD COACH BOYS SPORTS	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1540	BOYS PE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1541	BOYS SPORTS COACHES OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1541.1	COACHES RR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1541A	BOYS SPORTS COACHES OFFICE	3'-0"	6'-10"	NV-1	HM	PT-2	001	HM	PT-2			
1543	BOYS LAUNDRY	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1544	PUMP ROOM	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1545	CORRIDOR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			2
1546	BOYS BASKETBALL	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1546.1	STORAGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1547	BOYS GOLF STOR.	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1548	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1549	BOYS GOLF & CROSS COUNTRY	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1550		3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			2, 10
1550.1	MECHANICAL	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2	1-HR		
1550A	STAIR 03	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2	1-HR		
C1508	CORRIDOR	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			2, 10, 11
C1508.1	CORRIDOR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
C1508.2	CORRIDOR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
C1508.3	CORRIDOR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
C1508.4	CORRIDOR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
C1508A	CORRIDOR	6'-1 15/256"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			10, 11
C1508C	CORRIDOR	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			2, 10, 11
C1508D	CORRIDOR	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			2, 10, 11
ATHLETICS: 83												
ACADEMICS												
1100		6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			10, 11
1100A		6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE					2, 10, 11
1100B		0"	0"		ALUM	DB ANO		ALUM	DB ANO			Vertically Folding Glass Door
1100C	MP SPACE	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			10, 11
1100D	MP SPACE	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			10, 11
1101A	STAIR 09	5'-11 3/4"	6'-10"	FG-1	ALUM	DB ANO	NONE	-	-			10, 11
1102	RESOURCE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1103	LIFE SKILLS	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1104	BEHAVIOR ROOM	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1104.1	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1105	RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1106	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
1107	MOCK LIVING	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1107.1	RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1107.2	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1108	BEHAVIOR ROOM	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1108.1	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1109	GIRLS RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1110	STAFF RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1111	18+ STUDENTS	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1112	BOYS RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1113	COLLAB. FLEX ROOM	6'-0"	6'-10"	FG-1	CLR ANO	ALUM	NONE	-	-			
1113A	MP SPACE	6'-0"	6'-10"	FG-1	CLR ANO	ALUM	NONE	-	-			
1114	LIFE SKILLS	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1114.1	LIFE SKILLS	4'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1114.1A	MOCK LIVING	4'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1115	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		
1116	LIFE SKILLS	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1116.1	STORAGE	4'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1116.1A	LIFE SKILLS	4'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			

DOOR SCHEDULE

DOOR NUMBER	DATA TO ROOM NAME	DOOR WIDTH	DOOR HEIGHT	PANEL TYPE	PANEL MATL	PANEL FINISH	FRAME TYPE	FRAME MATL	FRAME FINISH	GENERAL FIRE RATING	GENERAL HARDWARE SET	GENERAL REMARKS
1117	CORRIDOR	6'-0"	6'-10"	F	HM	PL-1	001	HM	PT-2			
1118		3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			2
1119	RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1120	DIAG.	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1121	COORDINATOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1122	SPEECH	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1123	2ND CONFERENCE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1123.1	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1124	LSSP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1125	CLERK	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1127	SCHOOL BOOK ROOM	3'-0"	6'-10"	F	WS	PL-1	001	HM	CLR ANO			
1128	MAIN STREET	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		
1129	MAIN STREET	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
1131	MAIN STREET	6'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1131.1	MAIN STREET	6'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1131.3	MAIN STREET	6'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1131.3A	TEMP BAND	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1132	TESTING OFFICE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1132.1	TESTING OFFICE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1133	PLC / WORK ROOM	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1133A	PLC / WORK ROOM	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1134A	MAIN STREET	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1135	VESTIBULE	16'-0"	7'-5 3/4"	SL-BA : -	CLR ANO	CLR ANO		-				
1136A	MAIN STREET	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1137	TECHNICAL STORAGE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1138	MAIN STREET	3'-0"	6'-10"	F	WS	PL-1	001	CLR ANO	CLR ANO	2-HR		2
1139	AP OFFICE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1140	ENGLISH 13	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1141	ENGLISH #1	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1142	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			2
1142.1	BREAKROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1143	ENGLISH #2	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1145	ENGLISH #12	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1146	ENGLISH #3	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1147	ENGLISH #4	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1148	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
1149	ENGLISH #5	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1150A	CORRIDOR	6'-0"	6'-10"	FG-1	ALUM	CLR ANO	NONE	-				
1150B	COLLAB. FLEX ROOM	6'-0"	6'-10"	FG-1	ALUM	CLR ANO	NONE	-				
1151	ENGLISH #6	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1152	BOYS RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1153	RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1154	GIRLS RR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1155	ENGLISH #11	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1156	ENGLISH #7	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1157	ENGLISH #10	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1158	ENGLISH #8	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1158.1	ENGLISH #8	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
1159	ENGLISH #9	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
1160	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		
1161A		6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-				10, 11
C1100	MAIN STREET	3'-0"	6'-10"	HGL	ALUM	CLR ANO	001	ALUM	CLR ANO			
C1100A	CORRIDOR	6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-				10, 11
C1100.2		6'-0"	6'-10"	FG-1	ALUM	DB ANO	NONE	-				2, 10, 11
C1100A	MAIN STREET	6'-0"	6'-10"	HGL	ALUM	CLR ANO	001	ALUM	CLR ANO			
C1103	MAIN STREET	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
ACADEMICS: 87												
1901A	1F MAIN CORRIDOR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1901B		3'-0"	6'-10"	F	08_Hollow Metal Doors, HM	09_Paint, PT-1	001	08_Hollow Metal Doors, HM	09_Paint, PT-1		102	
1902	LAUNDRY	6'-0"	6'-10"	NV-1	08_Hollow Metal Doors, HM	09_Paint, PT-1	001	08_Hollow Metal Doors, HM	09_Paint, PT-1		101	
1903		3'-0"	6'-10"	F	08_Hollow Metal Doors, HM	09_Paint, PT-1	001	08_Hollow Metal Doors, HM	09_Paint, PT-1		104	
1904A	1F MAIN CORRIDOR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1904B		3'-0"	6'-10"	F	08_Hollow Metal Doors, HM	09_Paint, PT-1	001	08_Hollow Metal Doors, HM	09_Paint, PT-1		102	

HORIZONTAL SLIDING FIRE DOOR & FIRE CURTAIN SCHEDULE

DOOR NUMBER	DATA TO ROOM NAME	DOOR WIDTH	DOOR HEIGHT	PANEL TYPE	PANEL MATL	PANEL FINISH	FRAME TYPE	FRAME MATL	FRAME FINISH	GENERAL FIRE RATING	GENERAL HARDWARE SET	GENERAL REMARKS
LEVEL 1												
ACADEMICS												
FS1	MAIN STREET	17'-0"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	<By Category>	2-HR		
FS2	MAIN STREET	15'-6"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS3	MAIN STREET	23'-5"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS4	MAIN STREET	10'-7"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS5	MAIN STREET	25'-11"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS6	MAIN STREET	27'-2"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS7	MAIN STREET	27'-2"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS8	MAIN STREET	32'-11"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS9	MAIN STREET	26'-11"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS10	MAIN STREET	31'-4"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS11	MAIN STREET	31'-2"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS12	MAIN STREET	12'-0"	25'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS13	MAIN STREET	12'-5"	10'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FS14	MAIN STREET	16'-0"	10'-0"	OHRG	WS	Metal - Aluminum, Brushed	00CF	HM	Metal - Aluminum, Brushed	2-HR		
FSD1	CORRIDOR	12'-9"	10'-0"							2-HR		
FSD2	STAIR 07	11'-0"	10'-0"							2-HR		
FSD3	MAIN STREET	15'-4"	10'-0"									
FSD4	MAIN STREET	8'-4"	10'-0"									
FSD5	STAIR 06	11'-0"	10'-0"							2-HR		
FSD6	STAIR 05	12'-9"	10'-0"							2-HR		
ACADEMICS: 20												
FS24		3'-0"	6'-10"		ALUM	DB ANO						
FS25		3'-0"	6'-10"		ALUM	DB ANO						
FS26		8'-0"	10'-0"		ALUM	DB ANO						
FS27		3'-0"	6'-10"		ALUM	DB ANO						
FS28		3'-0"	6'-10"		ALUM	DB ANO						
FS30		8'-0"	10'-0"						<By Category>	<By Category>		
: 6												
LEVEL 1: 26												
LEVEL 2												
ACADEMICS												
FS22		16'-0"	10'-0"	OHRG	WS	<By Category>	00CF	HM	<By Category>	2-HR		
FSD7	STAIR 09	12'-9"	10'-0"							2-HR		
FSD8	STAIR 07	13'-1"	10'-0"							2-HR		
FSD9		15'-4"	10'-0"									
FSD10		12'-6"	10'-0"									
FSD11	STAIR 06	11'-0"	10'-0"									
FSD12	STAIR 05	12'-9"	10'-0"							2-HR		
ACADEMICS: 7												
FSD13	CORRIDOR	9'-0"	10'-0"							2-HR		
FSD.2	SKYBRIDGE	15'-7 3/4"	17'-2"						HM	<By Category>		
: 2												
LEVEL 2: 9												
LEVEL 3												
ACADEMICS												
FSD14	STAIR 09	12'-9"	10'-0"							2-HR		
FSD15	STAIR 07	11'-0"	10'-0"							2-HR		
FSD16	STAIR 06	10'-2"	10'-0"							2-HR		
FSD17	STAIRS 05	12'-9"	10'-0"							2-HR		
ACADEMICS: 4												
LEVEL 3: 4												
Grand total: 39												

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN

NORTH: PLAN = TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

DRAWN BY: Author

DOOR SCHEDULE LEVEL 1

A-810

Plot Stamp:
12/11/2025 6:02:30 PM

LEVEL 2 AND 3

14. ACOUSTICAL GLASS TO MEET FIRE DOOR ASSEMBLY REQUIREMENTS FOR FIRE RATING INDICATED
15. MANUAL OPERATION
16. ELEC MOTOR OPERATION WITH KEY SWITCH CONTROL, KEY SWITCH ON ONE SIDE OF DOOR ONLY
17. ELEC MOTOR OPERATION WITH KEY SWITCH CONTROL, KEY SWITCH ON BOTH SIDES OF DOOR
18. ELEC MOTOR OPERATION WITH PUSH-BUTTON CONTROL ON ONE SIDE OF DOOR ONLY
19. AUTOMATIC OPEN ON FIRE ALARM ACTIVATION U.N.O.
20. AUTOMATIC CLOSE ON FIRE ALARM ACTIVATION

THE TESTED DOOR OPENING ASSEMBLY SHALL INCLUDE DOOR HARDWARE. THE ENTIRE DOOR OPENING, INCLUDING DOOR HARDWARE, SHALL BE BY DOOR MANUF.

DOOR SCHEDULE

DOOR	DATA	DOOR		PANEL			FRAME			GENERAL		
NUMBER	TO ROOM NAME	WIDTH	HEIGHT	TYPE	MATL	FINISH	TYPE	MATL	FINISH	FIRE RATING	HARDWARE SET	REMARKS
1905	WT RM COORD. OFF.	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1906	CUSTODIAL	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1907		4'-0"	6'-10"	F	08_Hollow Metal Doors, HM	09_Paint, PT-1	001	08_Hollow Metal Doors, HM	09_Paint, PT-1		104	
1908A	EQUIPMENT ROOM	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		103	
1908B		6'-0"	4'-0"	OHCS	Stainless Steel	Stainless Steel		AL-2	AL-2		114	
1910	GIRLS RR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1911	BOYS RR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1912	OFFICE	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1913		3'-0"	6'-10"	F	08_Hollow Metal Doors, HM	09_Paint, PT-1	001	08_Hollow Metal Doors, HM	09_Paint, PT-1		104	
1914	1F MAIN CORRIDOR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1915	BASEBALL LOCKER	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1916	SOCCER LOCKER	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1917A	1F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	
1917B	1F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	
1918	TRAINER'S OFFICE	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	012	AL-2	AL-2		108	
1919	STAFF LOCKER	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1920	STAFF RR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		110	BY DEMOUNTABLE WALL MFR
1921	STUDENT LOCKERS	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		111	BY DEMOUNTABLE WALL MFR
1922	STUDENT LOCKERS	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		110	
1923	STUDENT LOCKERS	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		110	
1924	STORAGE	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1925	HYDROTHERAPY	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	
1926	STAFF RR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		110	BY DEMOUNTABLE WALL MFR
1927A	WEIGHT ROOM	6'-0"	7'-0"	FG-1	AL-1	ALUM	RE ELEV	AL-1	AL-1		113.1	
1927B	1F MAIN CORRIDOR	6'-0"	7'-0"	FG-1	AL-1	ALUM	RE ELEV	AL-1	AL-1		113	
C1000N		8'-0"	7'-0"	FG-1	ALUM	DB ANO	NONE	-	-			1, 2, 10, 11
C1900A		6'-0"	7'-0"	FG-1	AL-1	AL-1	RE ELEV	AL-1	AL-1		113	2
C1900B	1F MAIN CORRIDOR	6'-0"	7'-0"	FG-1	AL-1	AL-1	RE ELEV	AL-1	AL-1		113	2
E1000A	1F MAIN CORRIDOR	3'-0"	6'-10"	F	08_Hollow Metal Doors, HM	09_Paint, PT-1	001	08_Hollow Metal Doors, HM	08_Hollow Metal Doors, HM	45 Minute	115	ELEVATOR MACHINE ACCESS
. 35												
LEVEL 1: 205												
LEVEL 2												
ATHLETICS												
2503	CUSTODIAL	4'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2505	STAIR 10	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2506	TEAM LOUNGE	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2507	MEN'S RR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2508	WOMEN'S RR	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2510	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			10
2510.1	P.E. STORAGE	4'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2510.2	AUXILIARY GYM A	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2	2-HR		2
2510A	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			10
2511	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2512.1	AUXILIARY GYM B	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2512.2	MECHANICAL	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2	1-HR		
2512.2B	AUXILIARY GYM B	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2512.3	STAIRS 03	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			10
2513	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			10
2513	STAIRS 04	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2513A	AUXILIARY GYM B	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			10
2513A	STAIRS 04	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			10
C2501	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
ATHLETICS: 19												
ACADEMICS												
2102	SPECIALIST	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2103	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO	2-HR		
2104	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
2105	MATH CLASS #1	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2105.1	STORAGE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2106	MATH CLASS #2	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2107	MATH CLASS #3	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2108	MATH CLASS #4	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2109	GIRLS RR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2110	STAFF RR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2111	BOYS RR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2112	MATH CLASS #5	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2114	MATH CLASS #6	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2115	CORRIDOR	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2116	MATH CLASS #7	3'-0"	6'-10"	NV-1	WS	PL-1	001	HM	CLR ANO			
2118	CORRIDOR	4'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2119	MATH CLASS #8	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2121	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2121A	COMPUTER LAB	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2122	MATH CLASS #9	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2123	RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2124	MECH.	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2125	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
2126	RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2127	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2128	WORK RM / PLC	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2129	MATH CLASS #10	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2130	MATH CLASS #11	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2131	MATH CLASS #12	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2132	MATH CLASS #13	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2133	SOCIAL STUDIES #13	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2134	SOCIAL STUDIES #12	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2135	AP SUITE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2135A	AP OFFICE	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2136	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2137		3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
2138	SRO	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2139	SOCIAL STUDIES #11	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2140	SOCIAL STUDIES #1	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2142	SOCIAL STUDIES #10	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2143	SOCIAL STUDIES #2	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2144	SOCIAL STUDIES #3	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2145		6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
2146	SOCIAL STUDIES #4	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2148	SOCIAL STUDIES #5	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2149	BOYS RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			

DOOR SCHEDULE

DOOR	DATA	DOOR		PANEL			FRAME			GENERAL		
NUMBER	TO ROOM NAME	WIDTH	HEIGHT	TYPE	MATL	FINISH	TYPE	MATL	FINISH	FIRE RATING	HARDWARE SET	REMARKS
2150	RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2151	GIRLS RESTROOM	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2152	SOCIAL STUDIES #9	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2153	SOCIAL STUDIES #6	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2154	SOCIAL STUDIES 8	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2155	SOCIAL STUDIES #7	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2155.1	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
2156	SPECIALIST	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
2158		3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		
2159		3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
C2100.3	CORRIDOR	6'-0"	6'-10"	HGL	ALUM	PL-1	001	ALUM	CLR ANO			10
C2100.3A		6'-0"	6'-10"	HGL	ALUM	CLR ANO	001	ALUM	CLR ANO			10
ACADEMICS: 58												
1951	AD OFFICE	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1952	AD RR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		110	BY DEMOUNTABLE WALL MFR
1953	CONFERENCE	3'-0"	6'-10"	FG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		109	BY DEMOUNTABLE WALL MFR
1954	VIDEO REVIEW	3'-0"	6'-10"	NV-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	BY DEMOUNTABLE WALL MFR
1955	GROUP INSTRUCTION	3'-0"	6'-10"	NV-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	BY DEMOUNTABLE WALL MFR
1956A	COACHES OFFICE	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1956B	2F COACHES CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1958	VIDEO ROOM	3'-0"	6'-10"	NV-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	BY DEMOUNTABLE WALL MFR
1959	VIDEO REVIEW	3'-0"	6'-10"	NV-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	BY DEMOUNTABLE WALL MFR
1960	IDF	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1961	ELEC	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1962	STORAGE	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1963	STORAGE	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		103	BY DEMOUNTABLE WALL MFR
1964	2F MAIN CORRIDOR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		110.3	BY DEMOUNTABLE WALL MFR
1965	2F MAIN CORRIDOR	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		110.3	BY DEMOUNTABLE WALL MFR
1966	STORAGE	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1966B	STORAGE	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1967	STORAGE	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1968	COACHES LOCKERS	3'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	BY DEMOUNTABLE WALL MFR
1968A	2F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1968B	2F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1969A	2F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1969B	2F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		107	BY DEMOUNTABLE WALL MFR
1970A	KITCHEN	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	
1970B	KITCHEN	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		108	
1970C		12'-0"	5'-2"	OHCG	Stainless Steel	Stainless Steel		AL-2	AL-2		114	
1971A	FLEX STORAGE	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
1971B	FLEX STORAGE	4'-0"	6'-10"	F	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		106	BY DEMOUNTABLE WALL MFR
C1951A	2F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		112	BY DEMOUNTABLE WALL MFR
C1951B	2F MAIN CORRIDOR	3'-0"	6'-10"	HG-1	Wood	TF-1 (Thermafoil)	001	AL-2	AL-2		112	BY DEMOUNTABLE WALL MFR
. 30												
LEVEL 2: 107												
LEVEL 3												
ATHLETICS												
3503	MECH.	4'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
ATHLETICS: 1												
ACADEMICS												
3102	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3102A	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3102B	PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3103	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3103B	PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3104	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3104A	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3105	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3106	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
3107	ASTRONOMY CLASS	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3107A	PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3108	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3108A	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3108B	PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3109	GIRLS RR	3'-0"	6'-10"	F	WS	PL-1	001	HM	PT-2			
3110	STAFF RR	3'-0"	6'-10"	F	WS	PL-1	001	HM	PT-2			
3111	BOYS RR	3'-0"	6'-10"	F	WS	PL-1	001	HM	PT-2			
3112	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3112A	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3113	MECHANICAL	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
3115	SRO	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3116	SPANISH 1	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3116.1	SPANISH 1	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3117	CUSTODIAL	3'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
3119	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3119.1	SHARED PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3119.1A	SHARED PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3119A	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3120	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3120.1	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3121	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3122	SPANISH 2	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3123	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO	2-HR		2
3124	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3125	SPANISH 3	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3126	SPANISH 4	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3127	SPANISH 5	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3128	SPANISH 6	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3129	SPANISH 7	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3130	CORRIDOR	4'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
3131	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	WS	CLR ANO			2
3132	CORRIDOR	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3132A		3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3132B	PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3133	CORRIDOR	3'-0"	6'-10"	F	WS	PL-1	001	ALUM	CLR ANO			
3134	PLC / WORK ROOM	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3135		3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3135A		3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3135B	PREP	3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3137	FRENCH	3'-0"	6'-10"	F	WS	PL-1	001	WS	CLR ANO			
3138	STORAGE	3'-0"	6'-10"	F	WS	PL-1	001	WS	CLR ANO			
3139	MECH.	6'-0"	6'-10"	F	HM	PT-2	001	HM	PT-2			
3140		3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3140A		3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			
3140B		3'-0"	6'-10"	NV-1	WS	PL-1	001	ALUM	CLR ANO			
3141		3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			
3141A		3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			
3141B	PREP	3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			
3142	BOYS RESTROOM	3'-0"	6'-10"	F	WS	PT-2	001	ALUM	CLR ANO			
3143	RESTROOM	3'-0"	6'-10"	F	WS	PT-2	001	ALUM	CLR ANO			
3144	GIRLS RESTROOM	3'-0"	6'-10"	F	WS	PT-2	001	ALUM	CLR ANO			
3145	IPC	3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			
3145A	PREP	3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			
3146		3'-0"	6'-10"	F	WS	PT-2	001	ALUM	CLR ANO	2-HR		2
3147		3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			
3147.1	STORAGE	3'-0"	6'-10"	F	WS	PT-2	001	ALUM	CLR ANO			
3147A		3'-0"	6'-10"	NV-1	WS	PT-2	001	ALUM	CLR ANO			

Plot Stamp:
12/11/2025 6:02:36 PM

HOUSTON, TX
713-965-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN

NORTH: PLAN TRUE

REGISTERED ARCHITECT — STATE OF TEXAS — JAN LEPICOVSKY — 25577

CLIENT: Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

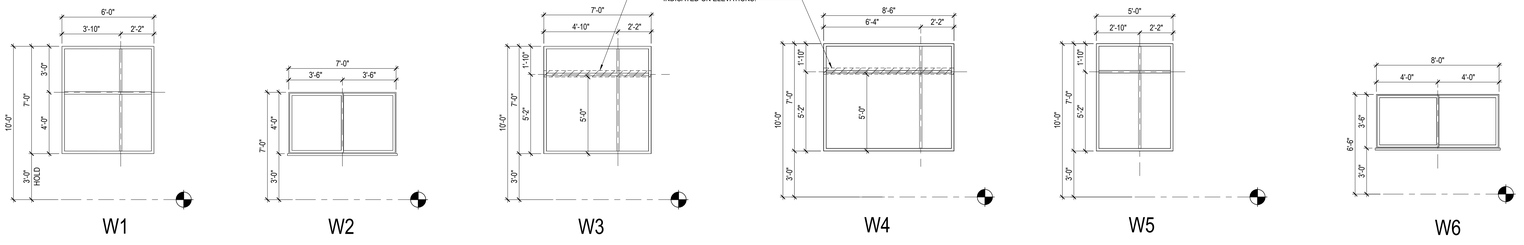
DRAWN BY: Author

DOOR SCHEDULE LEVEL 2 AND 3

A-811

WINDOW AND STOREFRONT ELEVATIONS
A-821
FOR BLUEBEAM LABELING/DOOR:

0"
1"



FOR GLAZING TYPE, REF. ELEVATIONS AND SECTIONS

02 WINDOW FRAME ELEVATIONS
1/4" = 1'-0"

GENERAL GLAZING NOTES

1. PROVIDE BACK PAINTED SPANDREL GLAZING AT ALL EXTERIOR AND INTERIOR GLAZING PANELS ABOVE INTERIOR CEILINGS. COLOR AND PATTERN AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

GENERAL WINDOW, CURTAIN WALL, & STOREFRONT ELEVATION NOTES

1. REFER TO FRAME DETAIL LEGEND FOR FRAME DETAILS, TYPICAL FOR ALL STOREFRONT, WINDOW, AND CURTAIN WALL FRAMES

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

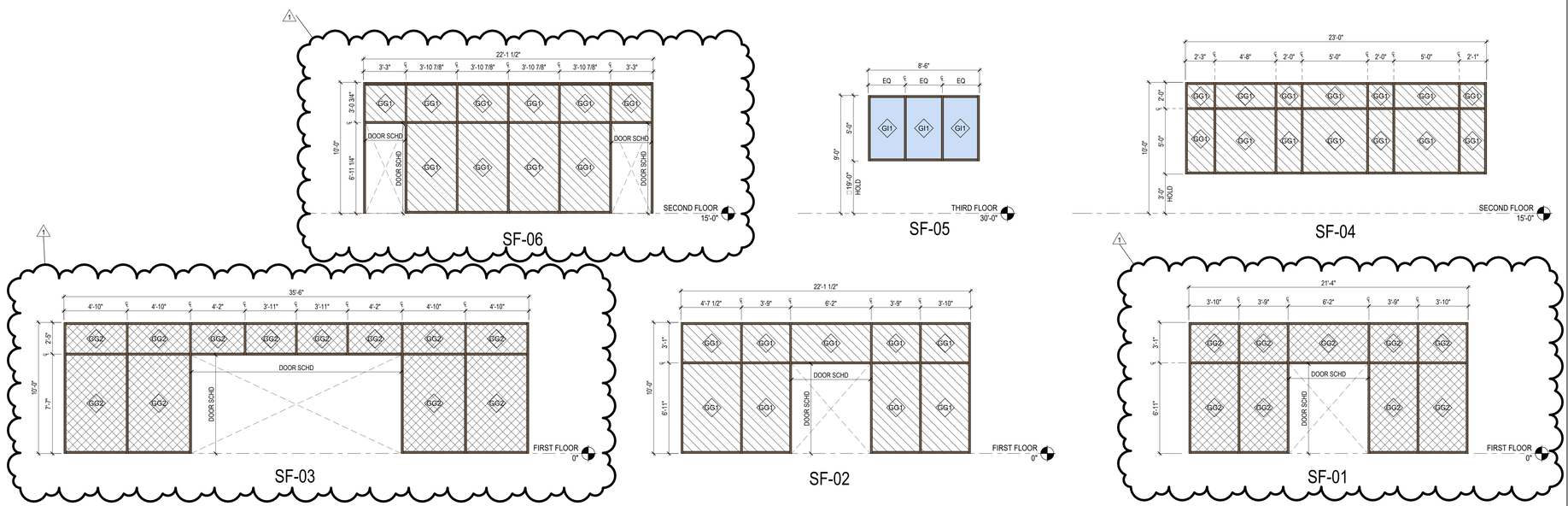
GG2

1" CLEAR INSULATED VISION GLASS

STOREFRONT FRAME LEGEND

STOREFRONT FRAMES

SILL IN EXTERIOR KING BRICK CFMF WALL: 05 / A-715
JAMB IN EXTERIOR KING BRICK CFMF WALL: 02 / A-726
HEAD IN EXTERIOR KING BRICK CFMF WALL: 10 / A-726



01 STOREFRONT FRAME ELEVATIONS
1/4" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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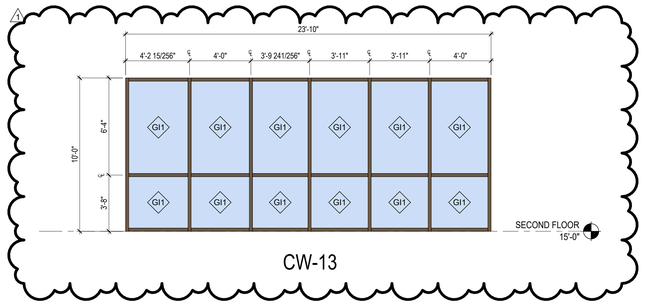
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DRAWN BY: Author

WINDOW AND STOREFRONT ELEVATIONS

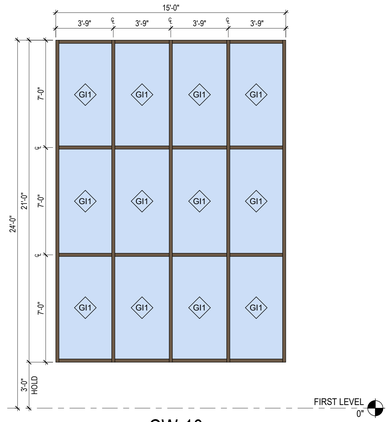
A-821

CURTAIN WALL ELEVATIONS
A-841
FOR BLUEBEAM LABELING/DOOR:

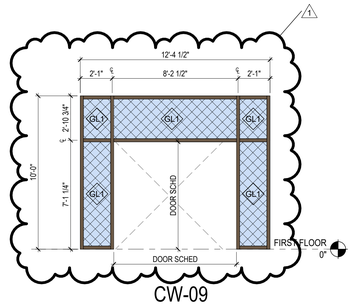
0"
1"



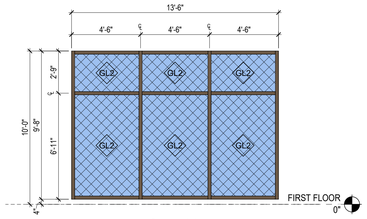
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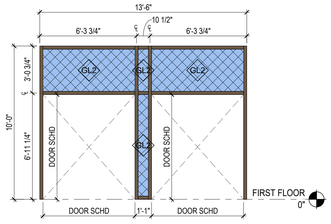
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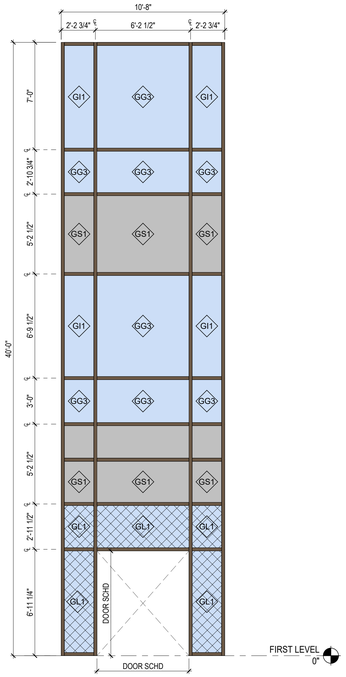
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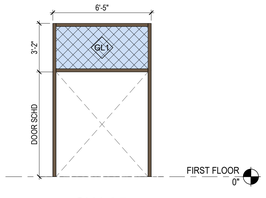
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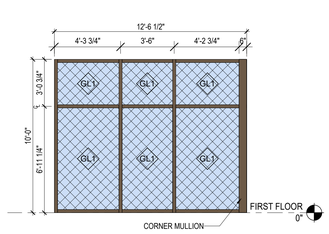
CW-11



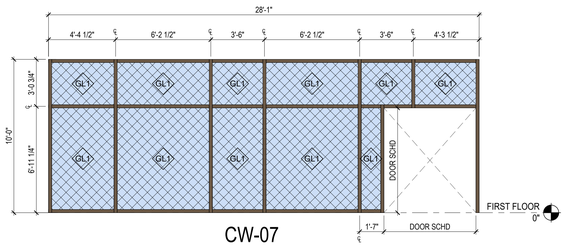
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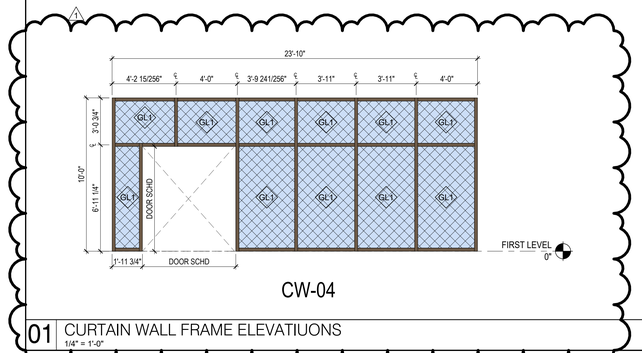
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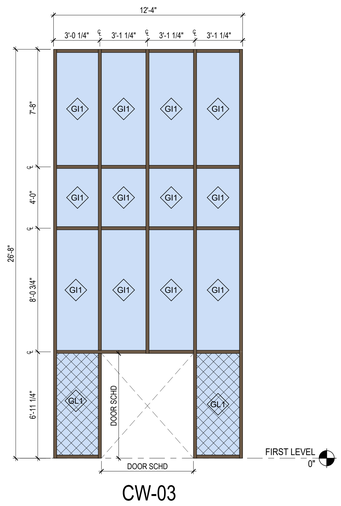
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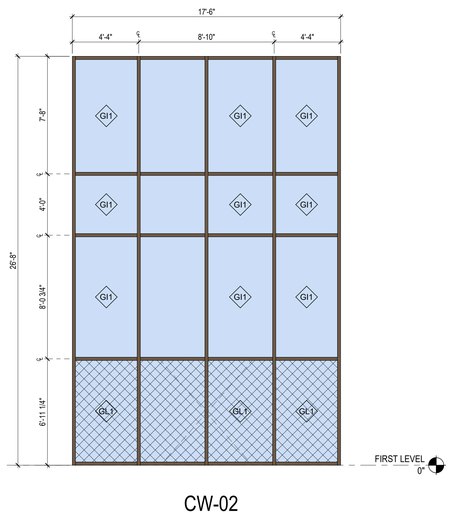
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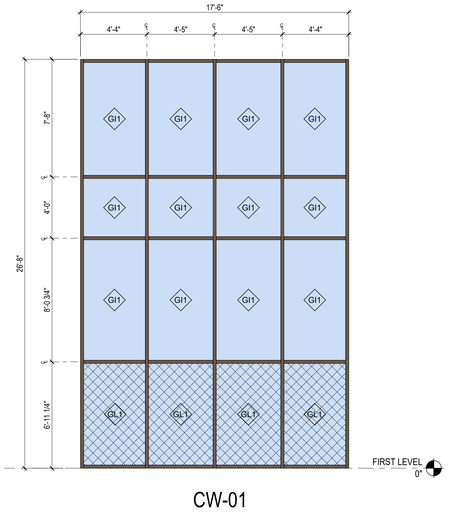
CW-04



CW-03



CW-02



CW-01

01 CURTAIN WALL FRAME ELEVATIUONS
1/4" = 1'-0"

GENERAL GLAZING NOTES

1. PROVIDE BACK PAINTED SPANDREL GLAZING AT ALL EXTERIOR AND INTERIOR GLAZING PANELS ABOVE INTERIOR CEILINGS. COLOR AND PATTERN AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

GENERAL WINDOW, CURTAIN WALL, & STOREFRONT ELEVATION NOTES

1. REFER TO FRAME DETAIL LEGEND FOR FRAME DETAILS, TYPICAL FOR ALL STOREFRONT, WINDOW, AND CURTAIN WALL FRAMES

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

GG2
1" CLEAR INSULATED VISION GLASS

CURTAIN WALL FRAME LEGEND

1

CURTAIN WALL FRAMES

SILL IN EXTERIOR MODULAR BRICK CFMF WALL: 06 / A-723
JAMB IN EXTERIOR MODULAR BRICK CFMF WALL: 02 / A-722
HEAD IN EXTERIOR MODULAR BRICK CFMF WALL: 05 / A-722

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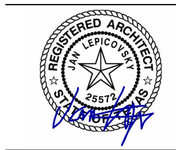
PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE





CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

CURTAIN WALL ELEVATIONS

A-841

Plot Stamp:
12/11/2025 6:03:03 PM

FINISH SCHEDULE
A-900

FOR BLUEBEAM LABELING/DOOR:

0"
1"

2405398 GALENA PARK PHASE 3B - INTERIOR SCHEDULE OF FINISHES

ITEM	MANUFACTURER	DESCRIPTION	COLOR	SIZE	LOCATION	NOTES
CONCRETE FINISHING						
03 35 00.SC1		SEALED CONCRETE			REF TO FINISH FLOOR PLAN	SEALED CONCRETE
STONE						
04 20 00.CV1	BEST BLOCK	BURNISH BLOCK	COLOR: TBD		GYM LOBBY	
STAIR SYSTEM						
05 73 00.DR1	VIVA RAILING	POST SUPPORTED METAL RAILING SYSTEM	Viva Railing: Guardrail Posts with fascia (side-mounted) rail. Material: 2-inch OD stainless steel tube, Type 304. Height: 42 inches. Spacing: 5'-0" on center maximum. Handrails: 1-1/2-inch OD stainless steel tube, Type 304. Finish: Stainless Steel Handrails and Posts: Circular #4 satin.			
05 52 00.IPM	VIVA RAILING	PERFORATED INFILL PANEL	Perforated Metal: Type: Stainless steel, Satin #6. Thickness: 1/8 inch. Style: Viva Railings' PMSL-0325			
TRIMS / TRANSITIONS / NOSINGS						
05 75 00.DT1	SCHLUTER	JOLLY	AT, SATIN NICKEL ANODIZED ALUMINUM		TILE EDGES	
05 75 00.DT2	SCHLUTER	SCHIENE	GS, BLACK, RAL 9011		TILE TO TILE TRANSITION FOR TILE 09 30 00.T4	
05 75 00. DT3	SCHLUTER	QUADEC	AT, SATIN NICKEL ANODIZED ALUMINUM		EDGES AT TILE	
05 75 00.MT1	SCHLUTER	RENO-RAMP	AE, SATIN ANODIZED ALUMINUM		RAMP TRANSITION	
05 75 00.MT2	SCHLUTER	RENO-T	AT, SATIN NICKEL ANODIZED ALUMINUM		SAME HEIGHT TRANSITION	
05 75 00.MT3	SCHLUTER	RENO-TK	AT, SATIN NICKEL ANODIZED ALUMINUM		TILE TO CARPET	
05 75 00.MT4	SCHLUTER	DILEX-AHK	AT, SATIN NICKEL ANODIZED ALUMINUM		TILED FLOOR TO WALL COVE	WALL TILE TO FLOOR TILE
05 75 00.MT5	SCHLUTER	VINPRO-S	AT, SATIN NICKEL ANODIZED ALUMINUM		RESILIENT FLOORING EDGE	
PLASTIC LAMINATE						
06 20 00.PL1	FORMICA		5883-58, PECAN WOOD LINE	MATTE FINISH	DOORS., CASEWORK	
06 20 00.PL2	NEVAMAR		S-4022 SUNRAY	TEXTUREED	PORTAL AT GYM LOBBY AND MAKERSPACE	
06 20 00.PL3	FORMICA	DECO METAL	M4254-99 BRUSHED BLACK ALUMINUM	METAL FINISH	WALLS AND DOORS AT GYM LOBBY	
12 36 00.PLC	FORMICA		5882-58 CITADEL WARP	MATTE TEXTURE	COUNTERTOPS WHERE APPLICABLE	
12 36 00.PLC2	WILSONART	CHEMSURF FINISH			COUNTERTOPS AT SCIENCE LABS	
TILE						
09 30 00.T1	BPI - ATLAS CONCORDE	REFLEX	TITANIUM	12" X 24"	WAINSCOT FIELD TILE	GROUT:
09 30 00.T2	BPI - ATLAS CONCORDE	REFLEX	MERCURY	12" X 24"	WAINSCOT ACCENT TILE	GROUT:
09 30 00.T3	BPI - ATLAS CONCORDE	REFLEX	NIGHT	12" X 24"	WAINSCOT ACCENT BAND AT TOP	GROUT:
09 30 00.T4	CROSSVILLE - LAMINAM	FILO	COLOR: PECE, TEXTURED	1000 X 3000 MM RECTIFIED	WALL TILE AT GYM LOBBY	GROUT:
09 30 00.T5	EMSER	RAKU	COLOR: WHITE	3" X 12"	RESTROOM WALLS	GROUT:
09 30 00.T6	EMSER	RAKU	COLOR: CHARCOAL	3" X 12"	RESTROOM WALLS	GROUT:
09 30 00.T7	EMSER	RAKU	COLOR: MUSTARD	3" X 12"	RESTROOM WALLS	GROUT:
09 30 00.T8	TILE BAR	HEXART	COLOR: YELLOW POP	8" HEXAGON	DRINKING FOUNTAINS	GROUT:
09 30 00.T9	BPI - ATLAS CONCORDE	REFLEX	NIGHT	24" X 48"	ACCENT AT MAINSTREET	GROUT:
ACOUSTICAL CEILINGS						
09 51 00.ACP1	ARMSTRONG - ACOUSTIC CEILING PANEL/TILE	STANDARD	WHITE	24'X24", 15/16"		RE: RCPS
09 51 00.ACP2	ACOUSTICAL CEILING PANEL	VINYL FACED	WHITE	24'X24", 15/16"		RE: RCPS
09 51 00.ACP3	ACOUSTICAL CEILING PANEL	HIGHER NRC	WHITE	24'X24", 15/16"		RE: RCPS
09 51 00.ACT4	ACOUSTICAL CEILING PANEL	REFLECTIVE		24'X24", 15/16"		RE: RCPS
09 51 00.ACT5	ACOUSTICAL CEILING PANEL	HIGHER NRC	BLACK	24'X24", 15/16"		RE: RCPS
09 51 00.ACS1	ACOUSTIC CEILING SYSTEM		WHITE	15/16"	FIELD ACS	RE: RCPS
09 51 00.ACS2	ACOUSTIC CEILING SYSTEM		BLACK	15/16"		RE: RCPS
09 51 00.ACS3	ACOUSTIC CEILING SYSTEM					
09 51 00.XCT6	CEILING TRIM	AXIOM CLASSIC	TBD	6"	CEILING CLOUDS	RE: RCPS
WOOD FLOORING						
09 64 66.WGM	TARKETT	CLUTCH COURT	2ND & BETTER (MAIN COURT) & 3RD (PERIMETER)		COMP & AUX GYM FLOORING	
LUXURY VINYL TILE						
09 65 00.RFT1	TARKETT	COLOR PLAY; COLOR BEAM	C113 MOONLIGHT	18"X18"	CLASSROOM WING, CLASSROOMS	LIGHT FIELD
09 65 00.RFT2	TARKETT	COLOR PLAY; COLOR BEAM	C121 FLANNEL	18"X18"	CLASSROOM WING, CLASSROOMS	ACCENT GRAY
09 65 00.RFT3	TARKETT	COLOR PLAY; COLOR BEAM	C120 ECLIPSE	18"X18"	CLASSROOM WING, CLASSROOMS	ACCENT BLACK
09 65 00.RFT4	TARKETT	COLOR PLAY; COLOR BEAM	C106 STRAW	18"X18"	CLASSROOM WING, CLASSROOMS	ACCENT GOLD
09 65 00.RFT5	MOHAWK	LIVING LOCAL COLLECTION, PREMIUM WOOD C0194	330 ALMOND	7.75" X 52" NOMINAL	CORRIDORS AT LEVEL 2	MATCH LVT AT PHASE 2
RUBBER BASE						
09 65 13.RB1	JOHNSONITE	TRADITIONAL WALL BASE	CHARCOAL	4"	FIELD	
09 65 13.RB2	JOHNSONITE	TRADITIONAL WALL BASE	BLACK	4"	WEIGHT ROOM	
09 65 13.RB3	JOHNSONITE	VENTED COVE BASE	BLACK		COMPETITION GYM AND PRACTICE GYMS	
RUBBER STAIR TREAD & RUBBER TILE						
09 65 13.RSR	TARKETT	ANGLE FIT RUBBER STAIR TREAD W/ INTEGRATED RISER	COLOR: VG1 FORK FALLS	TEXTURE: RAISED ROUND	EGRESS STAIRS	
09 65 13.RSR2	TARKETT	ANGLE FIT RUBBER STAIR TREAD W/ INTEGRATED RISER	COLOR:	TEXTURE: RAISED ROUND	STAIRS AT LIBRARY	
09 65 19 RT1	TARKETT	COLOR SPLASH	COLOR: VG1 FORK FALLS		LANDINGS EGRESS STAIRS	
RESILIENT ATHLETIC FLOORING						
09 65 66.PRA1	TARKETT SPORTS	REPLAY	RA1 MELLOWED	18"MM THICKNESS, ROLLS	WEIGHT ROOM, FIELD	
09 65 66.PRA2	TARKETT SPORTS	REPLAY	507 NIGHT	18"MM THICKNESS, ROLLS	WEIGHT ROOM, ACCENT	
TERRAZZO FLOORING						
09 66 23.16. TZE1	TERRAZZO & MARBLE	TERROXY	TM 19GG-856		FIELD -WHITE	MAIN STREET
09 66 23.16. TZE2	TERRAZZO & MARBLE	TERROXY	TM 19GG-538		ACCENT - BLACK	MAINSTREET, GYM LOBBY
09 66 23.16. TZE3	TERRAZZO & MARBLE	TERROXY	TM 21GG-480		ACCENT - GRAY	MAINSTREET, GYM LOBBY
09 66 23.16. TZE4	TERRAZZO & MARBLE	TERROXY	TM 19GG-995		ACCENT - GOLD	ACCENT AT MAIN STREET AND GYM LOBBY
EPOXY FLOORING						
1 09 67 00.FF1	PATCRAFT	RESIN FLAKE	STYLE: TRADITIONAL FLAKE, COLOR: F0130 GLINT	INTERGRAL EPOXY BASE 4"	RESTROOMS, CONCESSION, LAUNDRY, LOCKER ROOMS	
CARPET						
09 68 00.CP1	TARKETT	CUSTOM POWERBOND CARPET	115736598-10, POWERBOND	POWERBOND RS	ADMIN CARPET, CONFERENCE ROOMS, TEMP BAND ROOM	
09 68 00.CP2	TARKETT	ANGLED BLA ENRICH MAT	4361 FAUNA THEORY 46709 INCLUSION	POWERBOND RS	LIBRARY AND AUDITORIUM	
09 68 00.CP3	TARKETT	ASSERTIVE ACTION 04837	STEELWORK 26002	POWERBOND RS	WALK OFF CARPET	
09 68 00.CP4	TARKETT	PLEXUS COLOUR	18560 LEMON PEEL	POWERBOND RS	ACCENT GOLD	
INTERIOR WALL PANELS						
09 78 00.DPS	PSI	HIGH PRESSURE LAMINATE	EDGING: VINYL, CUSTOM COLOR; DIVIDER MOLDING: CLEAR ANODIZED #631; EDGE TRIM: CLEAR ANODIZED, #60			
ACOUSTICAL MATERIALS						
09 84 00.ARC1	NOT IN USE	NOT IN USE				
1 09 84 00.ARC2	MPS	COLIGO RECTANGLE	COLOR: TBD	SIZE: 4' X 8'	MAIN STREET	REF: TO INTERIOR ELEVATIONS
09 84 00.ARC3	MPS	COLIGO RECTANGLE	COLOR: 03 MARBLE	SIZE: 4' X 8'	MAIN STREET	REF: TO INTERIOR ELEVATIONS
09 84 00.ARC4	MPS	COLIGO RECTANGLE	COLOR: 04 GRAPHITE	SIZE: 4' X 8'	MAIN STREET	REF: TO INTERIOR ELEVATIONS
09 84 00.ARC5	ACOUFELT	WALL TILE, HEXAGON SHAPE	COLOR: TBD		LIBRARY AND COMPETITION GYM	GOLD COLOR
09 84 00.ARC6	ACOUFELT	WALL TILE, HEXAGON SHAPE	COLOR: PI24 PIANO BLACK		LIBRARY	BLACK COLOR
09 84 00.ARC7	ACOUFELT	WALL TILE, HEXAGON SHAPE	COLOR: GR02 GREY		LIBRARY	GREY COLOR
09 84 00.ARC8	MPS	JOIST LED CEILING BAFFLE	COLOR: 09 ONYX	92.50" L X 12"H X 2.77"W	PET CEILING BAFFLES AT MAIN STREET CORRIDOR AND GYM LOBBY	RE: RCPS, CABLE GRIPPER INSTALLATION
09 84 00.ARC9	MPS	JOIST FELT CEILING BAFFLE	COLOR: 09 ONYX	92.50" L X 12"H X 2.77"W	PET CEILING BAFFLES AT MAIN STREET CORRIDOR AND GYM LOBBY	RE: RCPS, CABLE GRIPPER INSTALLATION
09 84 00.ARC10	MPS	JOIST FELT CEILING BAFFLE	COLOR: 11 LEMON	92.50" L X 12"H X 2.77"W	PET CEILING BAFFLES AT MAIN STREET CORRIDOR AND GYM LOBBY	RE: RCPS, CABLE GRIPPER INSTALLATION
09 84 00.ARC11	NOT IN USE	NOT IN USE				
09 84 00.ARC12	NOT IN USE	NOT IN USE				
09 84 00.ARC13	NOT IN USE	NOT IN USE				
1 09 84 00.ARC14	WILSONART	TEKTONA WALL/CEILING PANELS			DIRECT ATTACHED	REFER TO DWGS FOR SIZES AND LOCATIONS
09 84 00.ARC15	CSI CREATIVE	SINGLE BAFFLES 003	BFL-SGL-003, SOUNDCORE; COLOR: TBD		BAFFLES AT COLLAB/FLEX AREAS	
PAINT						
09 90 00.P1	SHERWIN WILLIAMS		SW 7014 EIDER WHITE		FIELD	
09 90 00.P2	SHERWIN WILLIAMS		SW 7066 GRAY MATTERS		ACCENT, EXPOSED CEILING AT GYM	
09 90 00.P3	SHERWIN WILLIAMS		SW 7068 GRIZZLE GRAY		ACCENT, DOOR FRAMES, GYP CEILING AT WEIGHT ROOM	
09 90 00.P4	SHERWIN WILLIAMS		BRANDING GOLD		SPIRIT COLOR	CONFIRM WITH DISTRICT
09 90 00.P5	SHERWIN WILLIAMS		SW 6991 BLACK MAGIC		SPIRIT COLOR, EXPOSED STRUCTURE	
09 90 00.P6	SHERWIN WILLIAMS		SW7014 EIDER WHITE (EPOXY FINISH)		CMU WALLS WHERE INDICATED	
09 90 00.P7	SHERWIN WILLIAMS		SW 7066 GRAY MATTERS (EPOXY FINISH)			
09 90 00.P8	SHERWIN WILLIAMS		BRANDING GOLD (EPOXY FINISH)		SPIRIT COLOR	CONFIRM WITH DISTRICT
09 90 00.P9	SHERWIN WILLIAMS		SW 6991 BLACK MAGIC (EPOXY FINISH)			
09 90 00.P10	SHERWIN WILLIAMS		SW 7648 BIG CHILL (EPOXY FINISH)		GYM FIELD PAINT COLOR	
SIGNAGE						
10 14 00.RID1	FORMICA		COLOR: MATCH SIGNAGE FROM PHASE 2		ROOM SIGNAGE	TOP
10 14 00.RID2	FORMICA		COLOR: MATCH SIGNAGE FROM PHASE 2		ROOM SIGNAGE	BOTTOM
TOILET COMPARTMENTS/PARTITIONS						
10 21 13.19.PTC	ASI-ACCURATE PARTITION	SOLID PLASTIC	#9205 BLACK		RESTROOMS	
CORNER GUARDS/WALL PROTECTION						
10 26 00.CG1	KOROSEAL	KOROGARD	COLOR TO BE SELECTED DURING SUBMITTALS		WHERE APPLICABLE	
06 83 16.FPW		FRP	COLOR: TBD, FINISH: PEBBLED	4' x 8' PANEL		
06 83 16.TRM		FRP TRIM	FINISH: VINYL			
WINDOW TREATMENT						
12 21 13.HB1	HUNTER DOUGLAS	2" FAUX WOOD BLINDS			REF TO DRAWINGS	HORIZONTAL BLINDS
12 24 00.SB1	DRAPER	SUNBLOC SERIES			REF TO DRAWINGS	WINDOW SHADE BLACKOUT FABRIC
12 24 00.SF1	DRAPER	SHEERWEAVE SERIES			REF TO DRAWINGS	WINDOW SHADE FABRIC
12 22 00						
SOLID SURFACE/RESIN						
12 36 00.SCT1	WILSONART	SOLID SURFACE COUNTERTOPS	AVALANCHE MELANGE, 9175ML		COUNTERTOPS WHERE APPLICABLE	
12 36 00 SCT2	WILSONART	SOLID SURFACE WINDOW SILLS	FROSTY WHITE, 1573SL		WINDOW SILLS	
12 36 00. ERC	SHELDON LABORATORY SYSTEMS	EPOXY RESIN COUNTERTOPS	COLOR: BLACK, TR-5 FINISH, 1" THICKNESS; SURFACE FINISH: SMOOTH, NON GLARE		CHEMISTRY LABS AND IPC	
MISC.						
10 51 13.AL	METAL LOCKERS				LOCKER ROOM	METAL LOCKERS
	BLEACHERS	TELESCOPIC BENCH	BENCH COLOR: BLACK		GYMS	
	WALL PADS		COLOR: BLACK		GYMS	
	DUCT SOCK				GYMS	
10 22 39.FPH	OPERABLE PARTITION	MODERNFOLD	ACOUSTI SEAL, MODEL 933	MANUAL	TEAM ROOMS	
06 83 16.FPW		FRP WALL SYSTEM			WHERE APPLICABLE	
10 12 00.DCR	CLARIDGE	370 SERIES RECESSED DISPLAY CASE				

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TX FIRM: BR 1608

HOUSTON, TX
713-865-6008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN

NORTH: PLAN TRUE

REGISTERED ARCHITECT
IAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

DRAWN BY: Author

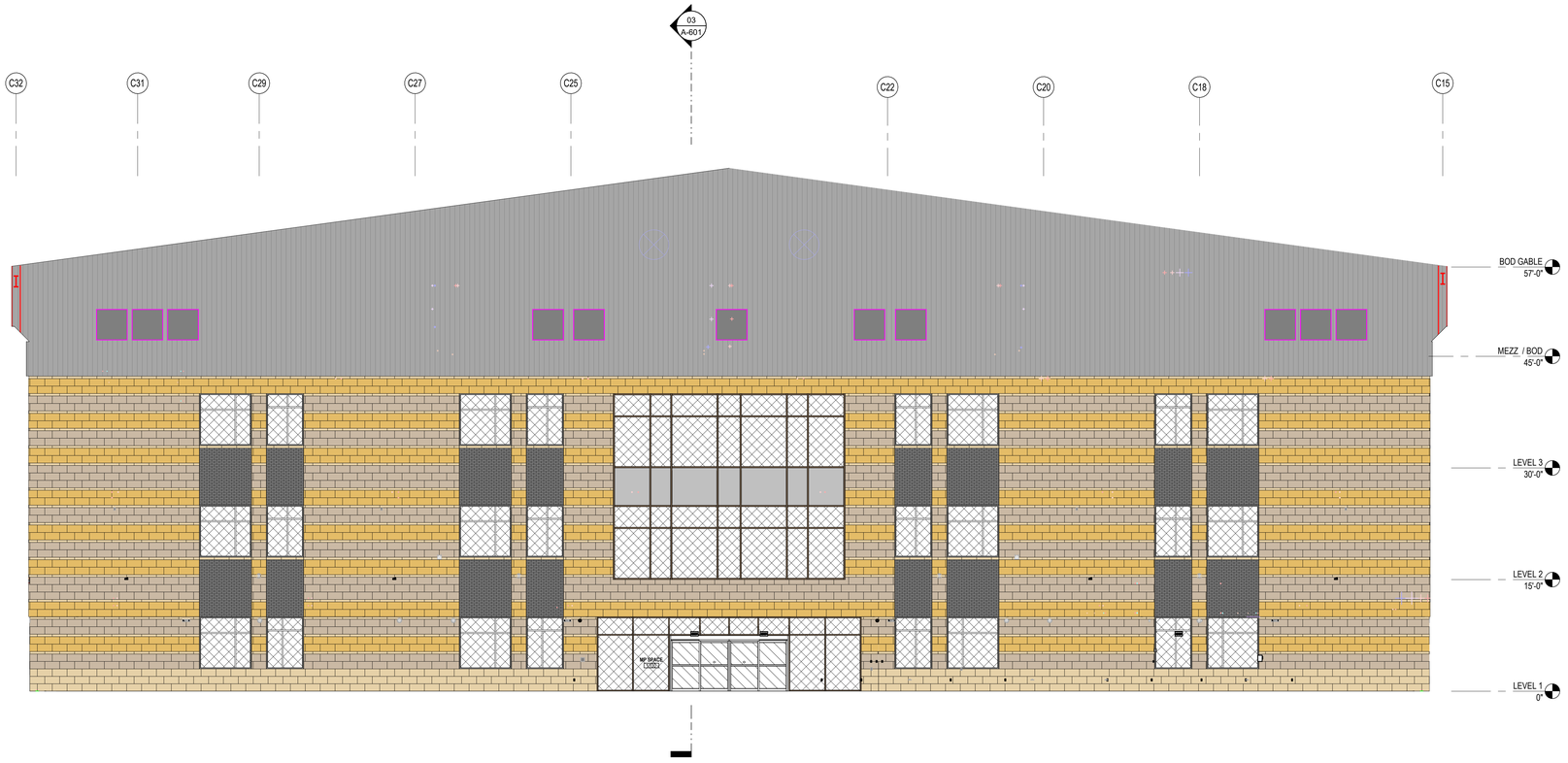
FINISH SCHEDULE

A-900

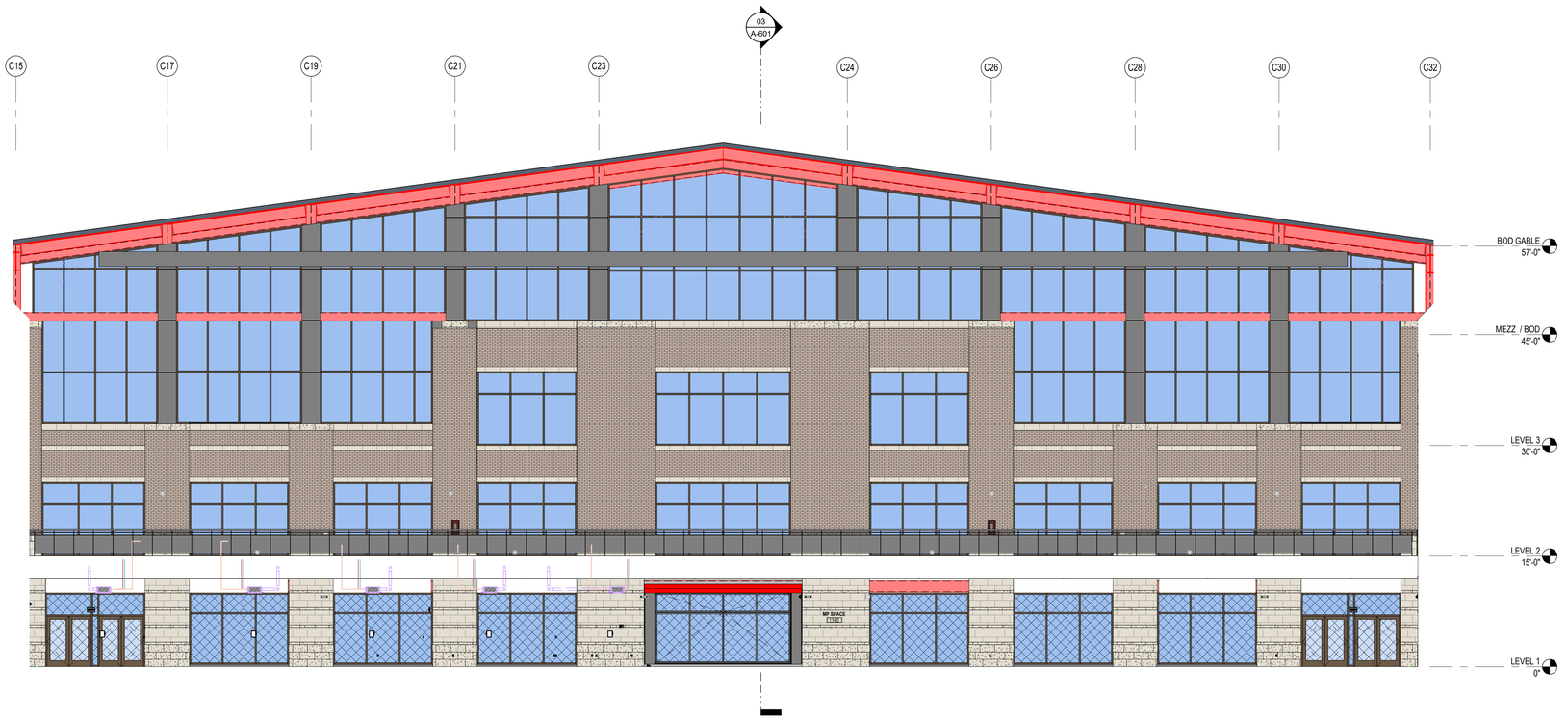
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INTERIOR ELEVATIONS
A-942
FOR BLUEBEAM LABELING/DOOR:

0"
1"



02 INTERIOR MULTIPURPOSE - WEST
1/8" = 1'-0"



01 INTERIOR MULTIPURPOSE - EAST
1/8" = 1'-0"

KEYNOTE LEGEND

NUMBER	DESCRIPTION

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

GG2
1" CLEAR INSULATED VISION GLASS

INTERIOR MATERIALS LEGEND

1

04 20 00.CV1
CONCRETE MASONRY UNIT,
BURNISHED BLOCK,
WHITE LIMESTONE 700

04 20 00.CV2
CONCRETE MASONRY UNIT,
BURNISHED BLOCK,
WHITE TERRAZZO 704

04 20 00.CV3
CONCRETE ACOUSTICAL
MASONRY UNIT,
BURNISHED BLOCK,
SOUNDBLOX BY SOUND SEAL

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1,
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 20 00.BK2 (R)
BRICK TYPE 2,
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL,
BERRIDGE, DOUBLE-RIB PANEL WITH
EXPOSED FASTENERS,
DARK BRONZE

04 73 13.CST2
SPLIT-FACE GINGER
STONE VENEER,
ARRISCRAFT

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE
MATERIAL WALL PANEL

PBK

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TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

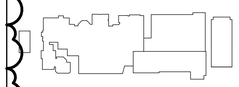
PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

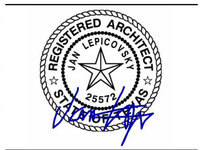
1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE





CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker

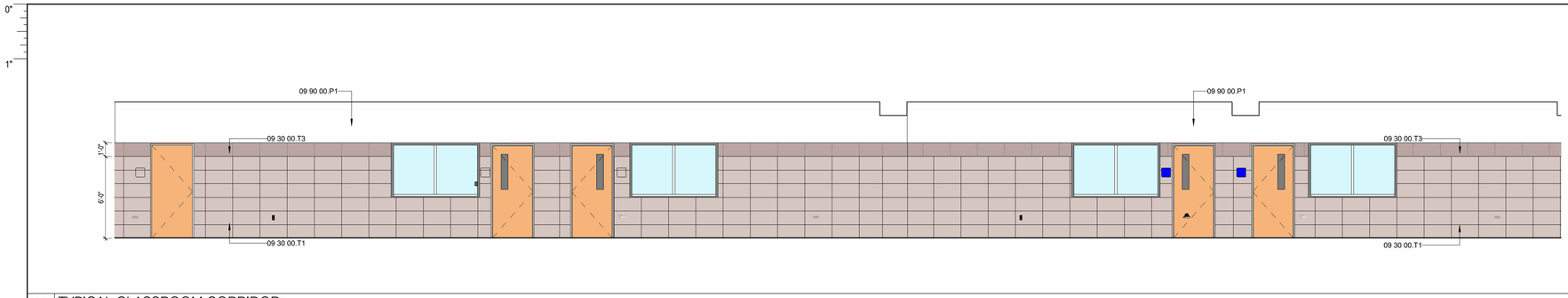
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INTERIOR ELEVATIONS

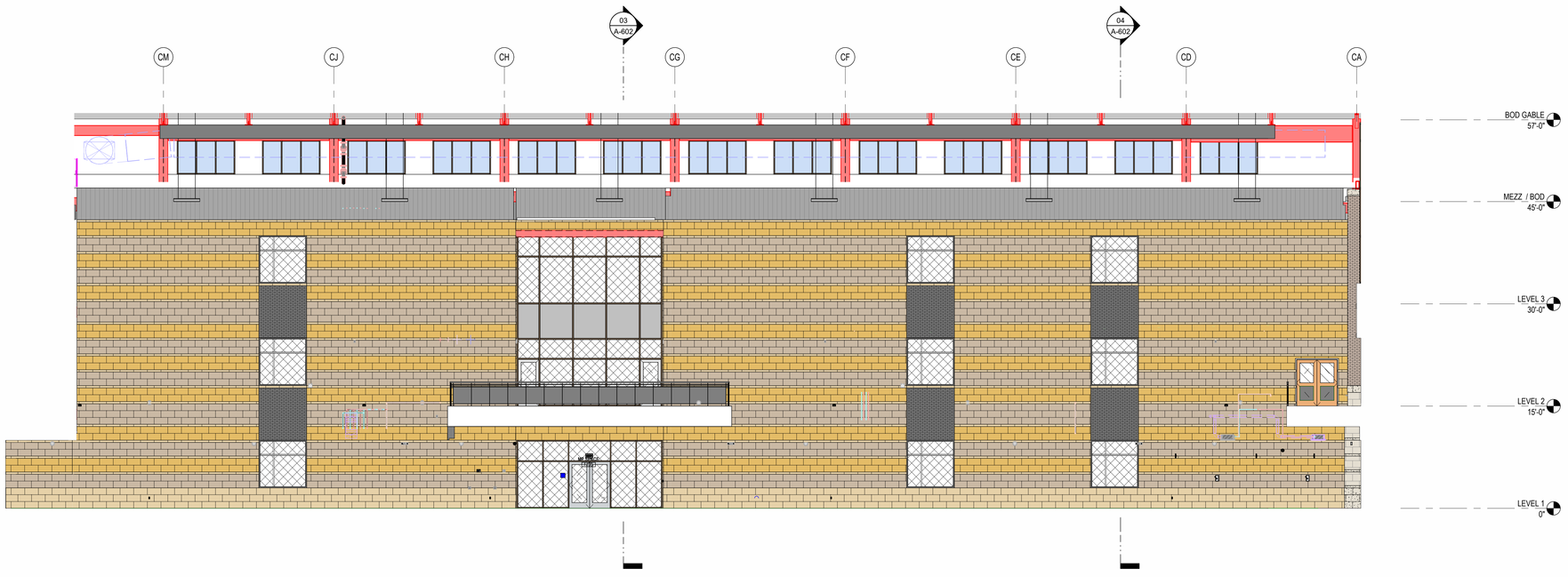
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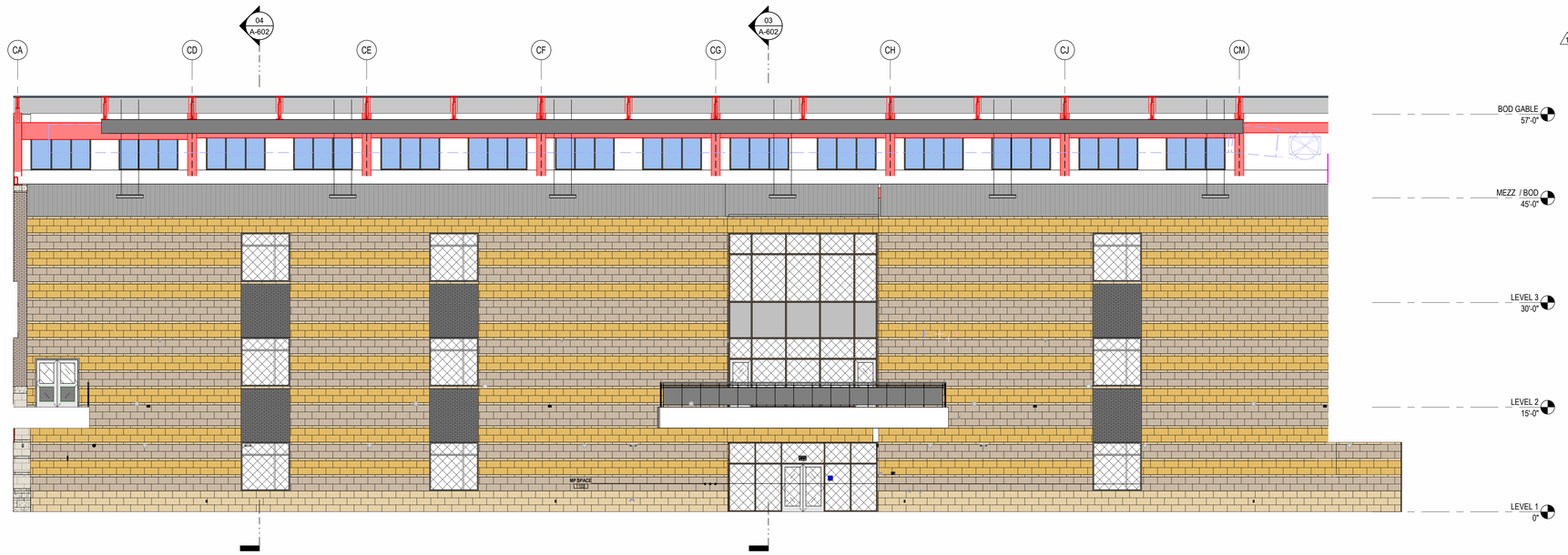
INTERIOR ELEVATIONS
A-943
FOR BLUEBEAM LABELING/OCR:



03 TYPICAL CLASSROOM CORRIDOR
1/4" = 1'-0"



02 INTERIOR MULTIPURPOSE - NORTH
1/8" = 1'-0"



01 INTERIOR MULTIPURPOSE - SOUTH
1/8" = 1'-0"

KEYNOTE LEGEND

NUMBER	DESCRIPTION
09 30 00.T1	TILE TYPE 1 - [WAINSCOT FIELD TILE]
09 30 00.T3	TILE TYPE 3 - [WAINSCOT ACCENT TILE]
09 90 00.P1	PAINT TYPE 1 - [FIELD]

GLAZING MATERIALS LEGEND

GI1
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR INTERIOR PANE

GL1
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- CLEAR LAMINATED INTERIOR PANE

GI2
1" INSULATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT INTERIOR PANE

GL2
1" INSULATED LAMINATED UNIT
- BRONZE TINT EXTERIOR PANE
- TRANSLUCENT LAMINATED INTERIOR PANE

GG1
1/4 INCH CLEAR, FLOAT GLASS

GS1
1" INSULATED UNIT, BACK PAINTED ON SURFACE 3
COLOR: AS SELECTED BY ARCHITECT

GG2
1" CLEAR INSULATED VISION GLASS

INTERIOR MATERIALS LEGEND

04 20 00.CV1
CONCRETE MASONRY UNIT,
BURNISHED BLOCK
WHITE LIMESTONE 700

04 20 00.CV2
CONCRETE MASONRY UNIT,
BURNISHED BLOCK,
WHITE TERRAZZO 704

04 20 00.CV3
CONCRETE ACOUSTICAL
MASONRY UNIT,
BURNISHED BLOCK,
SOUNDBLOX BY SOUND SEAL

EXTERIOR MATERIALS LEGEND

04 20 00.BK1 (R)
BRICK TYPE 1,
MODULAR, RUNNING BOND
CLOUD CERAMICS
GALENA NEW BLEND

04 73 13.CST2
SPLIT-FACE GINGER
STONE VENEER,
ARRISCRAFT

04 20 00.BK2 (R)
BRICK TYPE 2,
MODULAR, RUNNING BOND
CLOUD CERAMICS
MIDNIGHT IRONSPOT VELOUR

04 73 13.CST1
SMOOTH WHITE LIMESTONE
12"x24", ARRISCRAFT

07 42 13.MPU1
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
DARK BRONZE

07 42 13.23.MCM1
ALUMINUM METAL COMPOSITE
MATERIAL WALL PANEL

07 42 13.MPU2
UNINSULATED METAL WALL PANEL
BERRIDGE FW-12,
SHASTA WHITE

07 42 13.MPU3
UNINSULATED METAL WALL PANEL,
BERRIDGE, DOUBLE-RIB PANEL WITH
EXPOSED FASTENERS,
DARK BRONZE

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TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

JAN LEPICOVSKY
REGISTERED ARCHITECT
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: Checker
DRAWN BY: Author

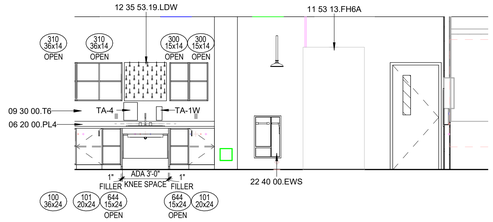
INTERIOR ELEVATIONS

A-943

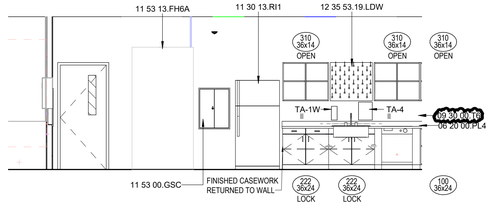
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CASEWORK ELEVATION
A-951
FOR BLUEBEAM LABELING/DOOR:

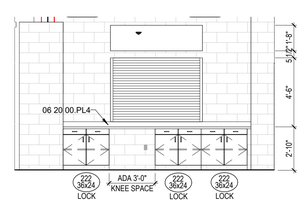
0"
1"



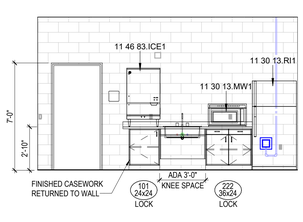
20 3141.1 SHARED PREP ROOM WEST ELEV
1/4" = 1'-0"



19 3141.1 SHARED PREP ROOM EAST ELEV
1/4" = 1'-0"



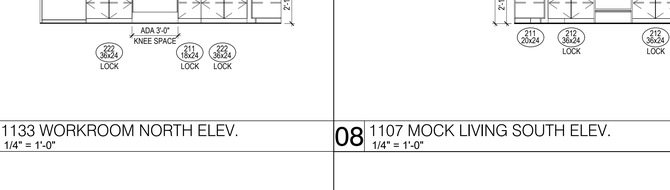
18 1505 CONCESSIONS EAST ELEV
1/4" = 1'-0"



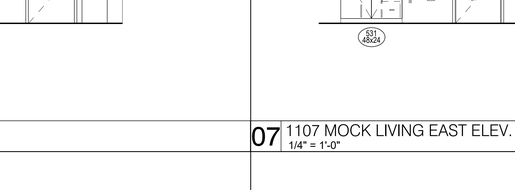
17 1505 CONCESSION WEST ELEV
1/4" = 1'-0"

KEYNOTE LEGEND

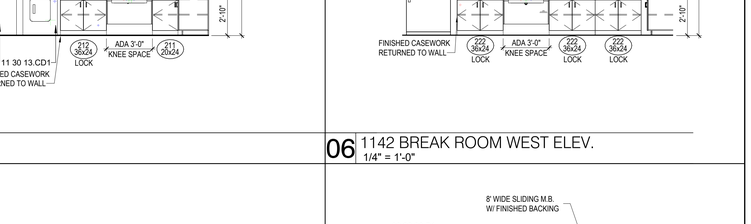
NUMBER	DESCRIPTION
06 20 00.PL4	PLASTIC LAMINATE, TYPE 4 - [COUNTERTOPS]
09 30 00.T6	TILE TYPE 6 - [RR WALL TILE]
09 90 00.P1	PAINT TYPE 1 - [FIELD]
10 11 00.MBD	12' MARKERBOARD
10 11 00.TKB	TACKBOARD
10 44 00.FEC	FIRE EXTINGUISHER CABINET
11 28 00.CP1	COPIER/PRINTER (OFOI)
11 30 13.CD1	CLOTHES DRYER
11 30 13.CW1	CLOTHES WASHER
11 30 13.MW1	[COUNTERTOP] MICROWAVE
11 30 13.RH	
11 30 13.RI1	
11 46 83.ICE1	ICE MACHINE
11 52 00.SB1	SMARTBOARD (OFOI)
11 53 00.GSC	
11 53 13.FH6A	FUME HOOD, 6 FOOT LENGTH ACCESSIBLE
12 35 53.19.LDW	LABORATORY DRYING RACK, WALL MOUNTED
22 40 00.EWS	EMERGENCY EYEWASH AND SHOWER, REFER TO PLUMBING
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



16 3149 PHYSICS LAB SOUTH ELEV
1/4" = 1'-0"



15 3149 PHYSICS LAB WEST ELEV
1/4" = 1'-0"



14 3149 PHYSICS LAB NORTH ELEV.
1/4" = 1'-0"

13 1504 TICKET BOOTH EAST ELEV
1/4" = 1'-0"

12 1133 WORKROOM EAST ELEV.
1/4" = 1'-0"

11 2128 WORK RM/PLC WEST ELEV.
1/4" = 1'-0"

10 2128 WORK RM/PLC NORTH ELEV.
1/4" = 1'-0"

09 1133 WORKROOM NORTH ELEV.
1/4" = 1'-0"

08 1107 MOCK LIVING SOUTH ELEV.
1/4" = 1'-0"

07 1107 MOCK LIVING EAST ELEV.
1/4" = 1'-0"

06 1142 BREAK ROOM WEST ELEV.
1/4" = 1'-0"

05 1142 BREAK ROOM NORTH ELEV
1/4" = 1'-0"

04 TYP. CLSSRM 12' MARKER BOARD ELEV
1/4" = 1'-0"

03 TYP. CLASSROOM WARDROBE CABINET
1/4" = 1'-0"

02 TYP. CLASSROOM TACK BOARD & MARKER BOARDS ELEV
1/4" = 1'-0"

NOTE: REFER TO AREA PLANS FOR EQUIPMENT CONFIGURATION

01 TYP. CLASSROOM CABINET & MARKERBOARD ELEV
1/4" = 1'-0"

Plot Stamp:
12/11/2025 6:03:47 PM

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HOUSTON, TX
713-865-6008

Package 2

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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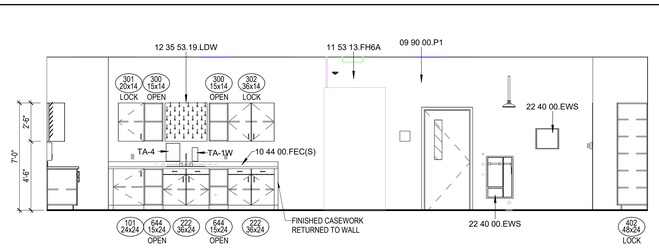
CHECKED BY: Checker
DRAWN BY: Author

CASEWORK ELEVATION

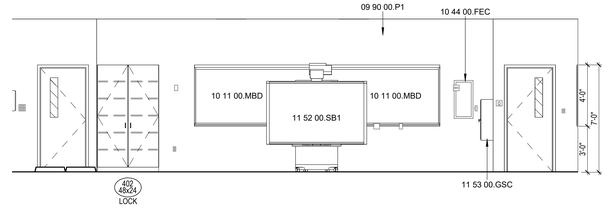
A-951

CASEWORK ELEVATION
A-952
FOR BLUEBEAM LABELING/DOOR:

0"
1"

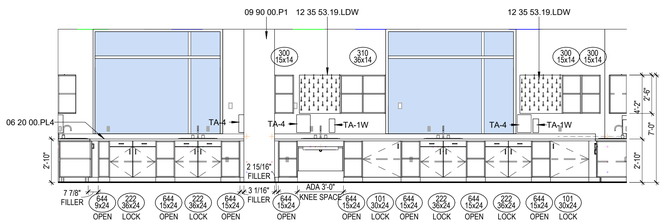


14 3140 CHEMISTRY LAB WEST ELEV
1/4" = 1'-0"

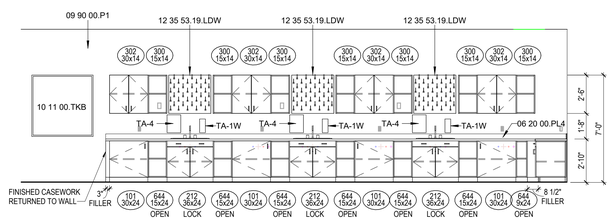


13 3140 CHEMISTRY LAB NORTH ELEV
1/4" = 1'-0"

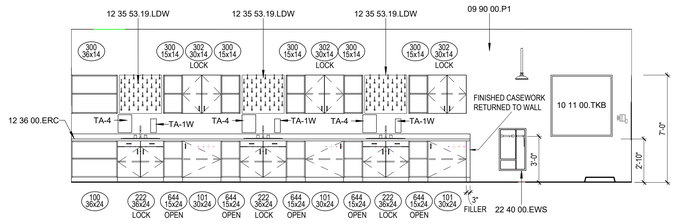
KEYNOTE LEGEND	
NUMBER	**DESCRIPTION**
06 20 00.PL4	PLASTIC LAMINATE, TYPE 4 - [COUNTERTOPS]
09 30 00.T6	TILE TYPE 6 - [RR WALL TILE]
09 90 00.P1	PAINT TYPE 1 - [FIELD]
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10 11 00.TKB	TACKBOARD
10 44 00.FEC	FIRE EXTINGUISHER CABINET
10 44 00.FEC(S)	FIRE EXTINGUISHER CABINET, SURFACE-MOUNTED
11 30 13.MW1	[COUNTERTOP] MICROWAVE
11 30 13.RI1	
11 52 00.SB1	SMARTBOARD (OFOI)
11 53 00.GSC	
11 53 13.FH6A	FUME HOOD, 6 FOOT LENGTH ACCESSIBLE
12 35 53.19.LDW	LABORATORY DRYING RACK, WALL MOUNTED
12 36 00.ERC	EPOXY RESIN COUNTERTOP
22 40 00.EWS	EMERGENCY EYEWASH AND SHOWER, REFER TO PLUMBING
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



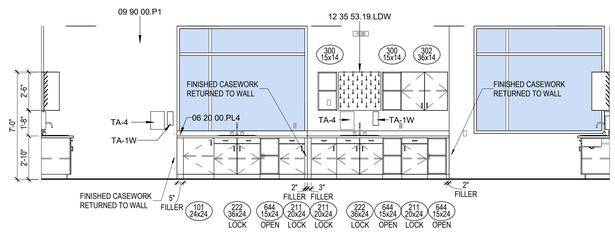
12 3140 CHEMISTRY LAB SOUTH ELEV
1/4" = 1'-0"



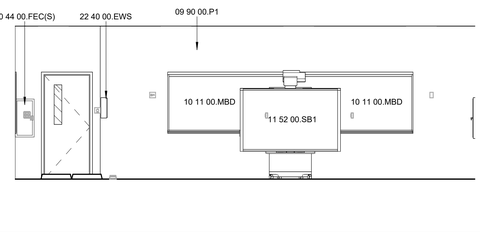
11 3140 CHEMISTRY LAB EAST ELEV
1/4" = 1'-0"



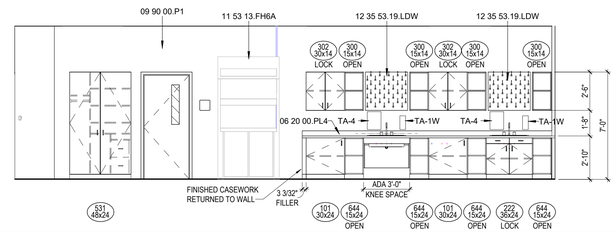
10 3141 CHEMISTRY LAB WEST ELEV
1/4" = 1'-0"



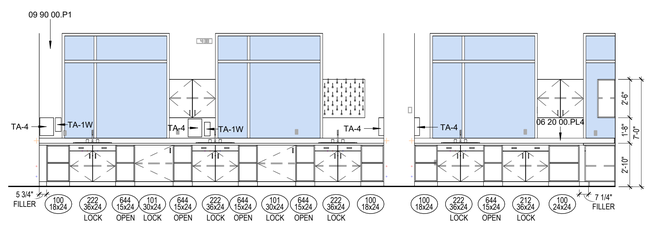
09 3141 CHEMISTRY LAB SOUTH ELEV
1/4" = 1'-0"



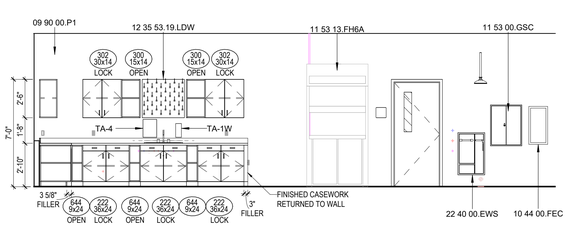
08 3141 CHEMISTRY LAB NORTH ELEV
1/4" = 1'-0"



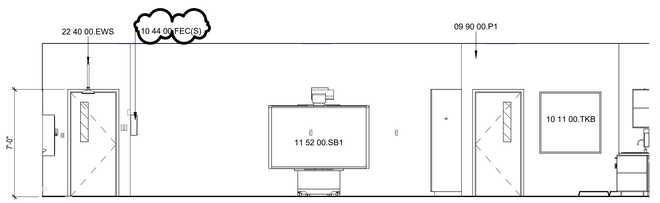
07 3141 CHEMISTRY LAB EAST ELEVATION
1/4" = 1'-0"



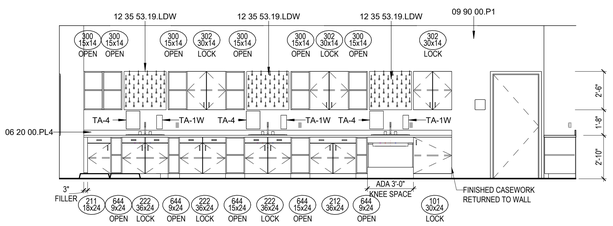
06 3147 CHEMISTRY LAB SOUTH ELEV
1/4" = 1'-0"



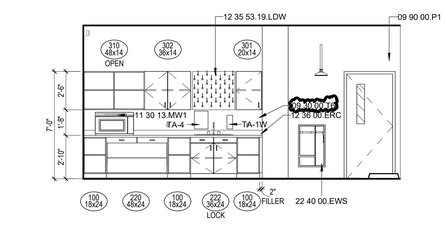
05 3147 CHEMISTRY LAB WEST ELEV
1/4" = 1'-0"



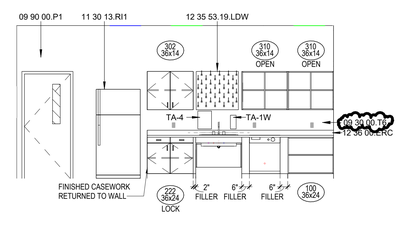
04 3147 CHEMISTRY LAB NORTH ELEV.
1/4" = 1'-0"



03 3147 CHEMISTRY LAB EAST ELEV
1/4" = 1'-0"



02 TYP. 3145.1 PREP ROOM EAST ELEV.
1/4" = 1'-0"



01 TYP. 3145.1 PREP ROOM WEST ELEV.
1/4" = 1'-0"

Plot Stamp:
12/11/2025 6:04:07 PM

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

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Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JUN EPICO SY
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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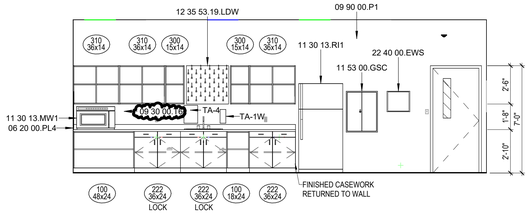
CHECKED BY: Checker
DRAWN BY: Author

CASEWORK ELEVATION

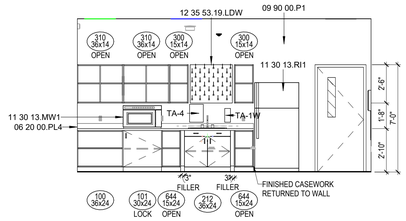
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CASEWORK ELEVATION
A-953
FOR BLUEBEAM LABELING/OCR:

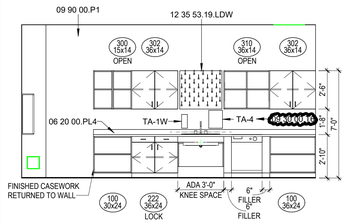
0"
1"



14 3135.1 SCIENCE LAB PREP ROOM WEST ELEV
1/4" = 1'-0"



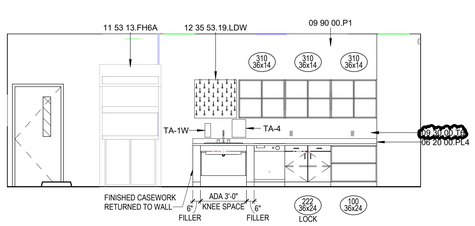
13 3132 ANATOMY PREP ROOM SOUTH ELEV
1/4" = 1'-0"



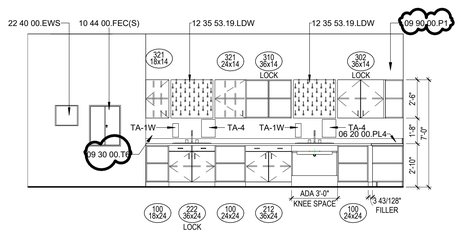
12 3132 ANATOMY PREP ROOM NORTH ELEV
1/4" = 1'-0"

KEYNOTE LEGEND

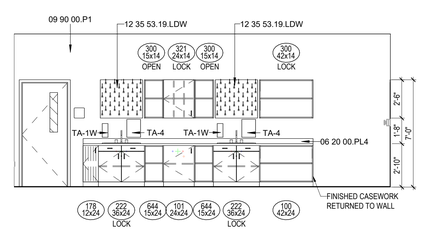
NUMBER	DESCRIPTION
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10 44 00.FEC(S)	FIRE EXTINGUISHER CABINET, SURFACE-MOUNTED
11 28 00.CP1	COPIER/PRINTER (OFOI)
11 30 13.MW1	[COUNTERTOP] MICROWAVE
11 30 13.RI1	
11 52 00.SB1	SMARTBOARD (OFOI)
11 53 00.GSC	
11 53 13.FH6A	FUME HOOD, 6 FOOT LENGTH ACCESSIBLE
12 35 53.19.LDW	LABORATORY DRYING RACK, WALL MOUNTED
22 40 00.EWS	EMERGENCY EYEWASH AND SHOWER, REFER TO PLUMBING
TA-1W	SOAP DISPENSER, WALL-MOUNTED, TYPICAL
TA-4	PAPER TOWEL DISPENSER, TYPICAL



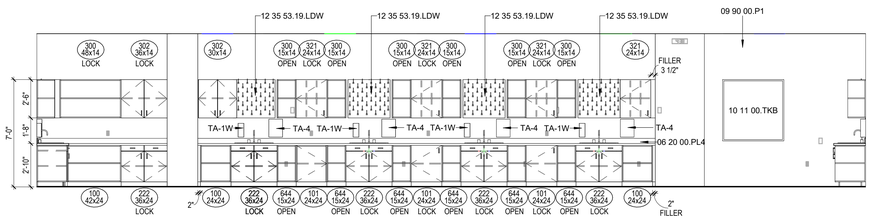
11 3135.1 SCIENCE LAB PREP ROOM EAST ELEV
1/4" = 1'-0"



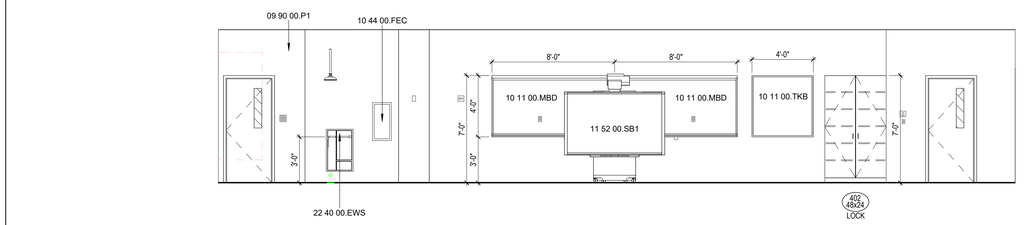
10 3132 ANATOMY LAB SOUTH ELEV
1/4" = 1'-0"



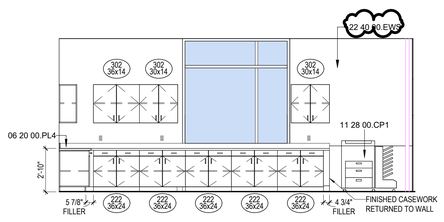
09 3132 ANATOMY LAB NORTH ELEV
1/4" = 1'-0"



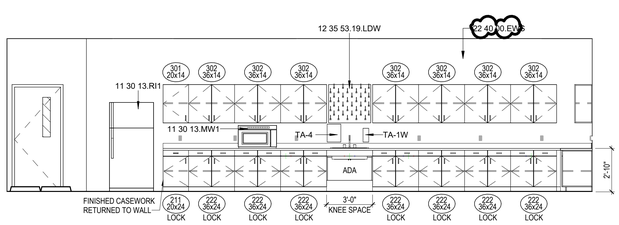
08 3132 ANATOMY LAB WEST ELEV
1/4" = 1'-0"



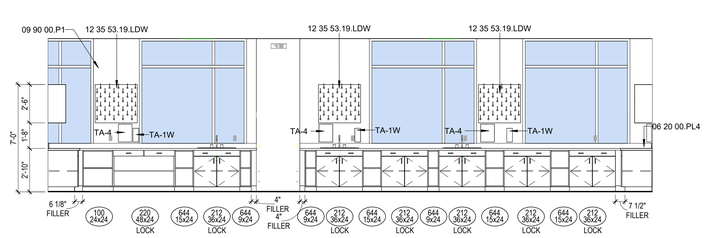
07 3132 ANATOMY LAB EAST ELEV
1/4" = 1'-0"



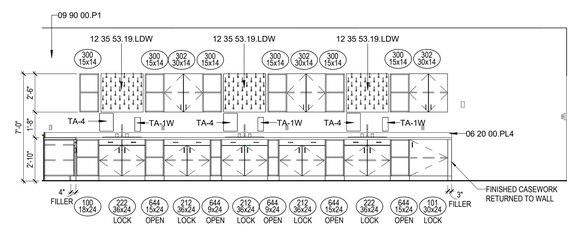
06 3134 PLC / WORK ROOM SOUTH ELEV
1/4" = 1'-0"



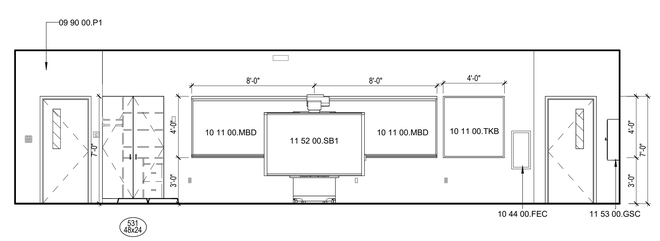
05 3134 PLC / WORK ROOM EAST ELEV
1/4" = 1'-0"



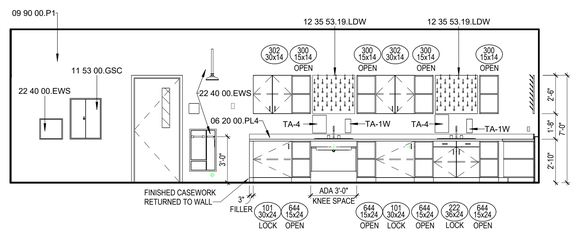
04 3135 AP BIO LAB SOUTH ELEV
1/4" = 1'-0"



03 3135 AP BIO LAB WEST ELEV
1/4" = 1'-0"



02 3135 AP BIO LAB NORTH ELEV
1/4" = 1'-0"



01 3135 AP BIO LAB EAST ELEV
1/4" = 1'-0"

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)
1000 Keene St.
Galena Park, TX 77547
ISSUE FOR PROPOSAL

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TX FIRM: BR 1608
HOUSTON, TX
713-865-0008

KEY PLAN
NORTH: PLAN TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25577
STATE OF TEXAS

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: Checker
DRAWN BY: Author

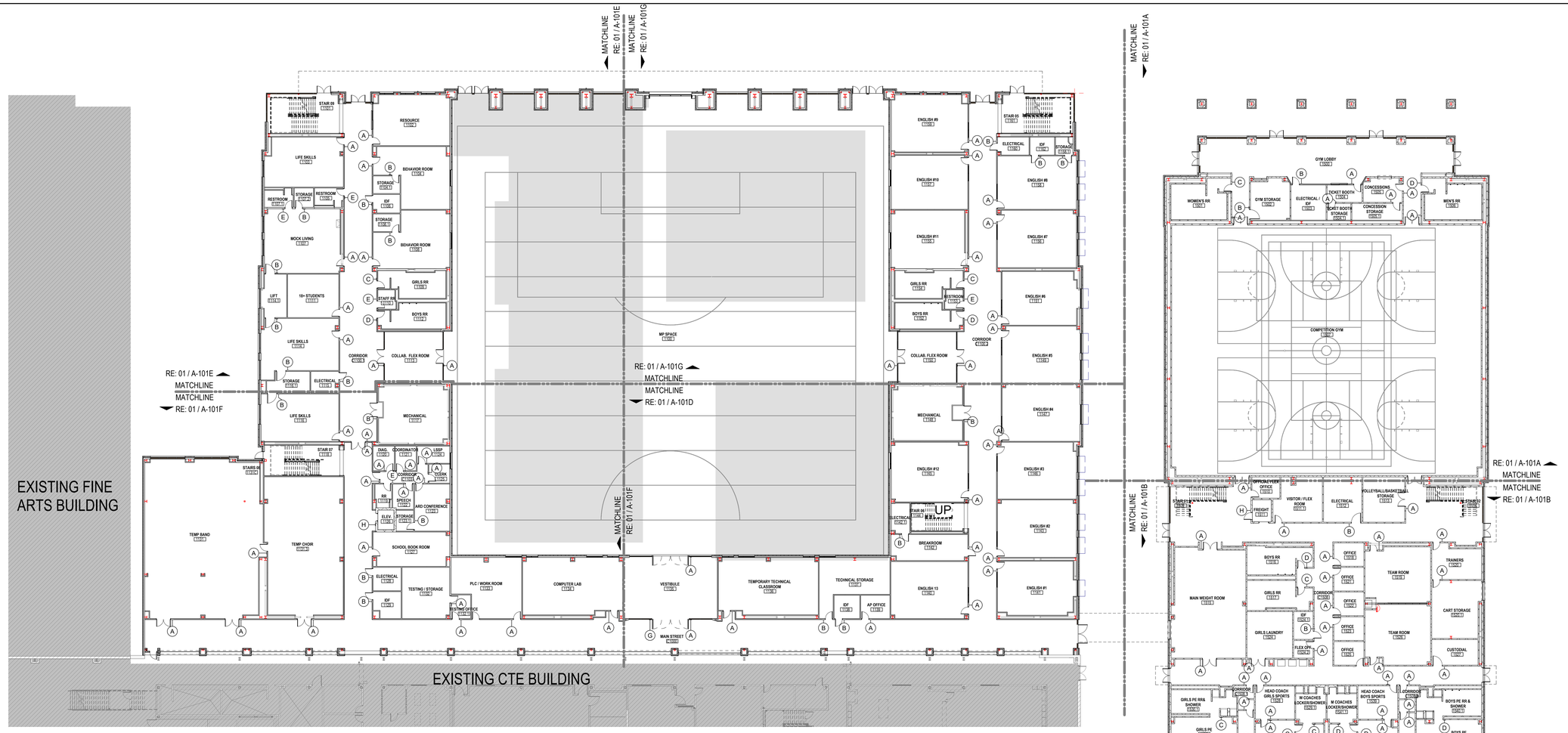
CASEWORK ELEVATION

A-953

Plot Stamp:
12/11/2025 6:04:26 PM

LEVEL 1 - OVERALL GRAPHICS & SIGNAGE PLAN
AG101
FOR BLUEBEAM LABELING/DOOR:

0"
1"



ROOM SIGNAGE SCHEDULE - 1ST LEVEL

PLAN ROOM NUMBER	SIGNAGE ROOM NUMBER	PLAN ROOM NAME	SIGNAGE ROOM NAME	SIGN TYPE	NOTES
LEVEL 1					
113		CENTRAL PLANT (NIC)		-	
1100		MP SPACE		A	
1101		STAIR 09		-	
1102		RESOURCE		A	
1103		LIFE SKILLS		A	
1104		BEHAVIOR ROOM		A	
1104.1		STORAGE		B	
1105		RESTROOM		E	
1106		IDF		B	
1107		MOCK LIVING		A	
1107.1		RESTROOM		E	
1107.2		STORAGE		B	
1108		BEHAVIOR ROOM		A	
1108.1		STORAGE		B	
1109		GIRLS RR		C	
1110		STAFF RR		E	
1111		18+ STUDENTS		A	
1112		BOYS RR		D	
1113		COLLAB. FLEX ROOM		A	
1114		LIFE SKILLS		A	
1114.1		LIFT		B	
1115		ELECTRICAL		B	
1116		LIFE SKILLS		A	
1116.1		STORAGE		B	
1117		MECHANICAL		B	
1118		STAIR 07		-	
1119		RR		E	
1120		DIAG.		A	
1121		COORDINATOR		A	
1122		SPEECH		A	
1123		ARD CONFERENCE		A	
1123.1		STORAGE		B	
1124		LSSP		A	
1125		CLERK		A	
1126		ELEV.		H	
1127		SCHOOL BOOK ROOM		A	
1128		ELECTRICAL		B	
1129		IDF		B	
1131		TEMP BAND		A	
1131.3		TEMP CHOIR		A	
1131C		STAIRS 08		-	
1132		TESTING / STORAGE		A	
1132.1		TESTING OFFICE		A	
1133		PLC / WORK ROOM		A	
1134		COMPUTER LAB		A	
1135		VESTIBULE		A	
1136		TEMPORARY TECHNICAL CLASSROOM		A	
1137		TECHNICAL STORAGE		B	
1138		IDF		B	
1139		AP OFFICE		A	
1140		ENGLISH 13		A	
1141		ENGLISH #1		A	
1142		BREAKROOM		A	

ROOM SIGNAGE SCHEDULE - 1ST LEVEL

PLAN ROOM NUMBER	SIGNAGE ROOM NUMBER	PLAN ROOM NAME	SIGNAGE ROOM NAME	SIGN TYPE	NOTES
1142.1		ELECTRICAL		B	
1143		ENGLISH #2		A	
1144		STAIR 06		-	
1145		ENGLISH #12		A	
1146		ENGLISH #3		A	
1147		ENGLISH #4		A	
1148		MECHANICAL		B	
1149		ENGLISH #5		A	
1150		COLLAB. FLEX ROOM		A	
1151		ENGLISH #6		A	
1152		BOYS RR		D	
1153		RESTROOM		E	
1154		GIRLS RR		C	
1155		ENGLISH #11		A	
1156		ENGLISH #7		A	
1157		ENGLISH #10		A	
1158		ENGLISH #8		A	
1158.1		STORAGE		B	
1159		ENGLISH #9		A	
1160		ELECTRICAL		B	
1161		STAIR 05		-	
1162		IDF		B	
1500		GYM LOBBY		-	
1501		WOMEN'S RR		C	
1502		GYM STORAGE		B	
1503		ELECTRICAL / IDF		B	
1504		TICKET BOOTH		A	
1504.1		TICKET BOOTH STORAGE		A	
1505		CONCESSIONS		A	
1505.1		CONCESSION STORAGE		A	
1506		MEN'S RR		D	
1507		COMPETITION GYM		A	
1509		STAIR 01		-	
1510		OFFICIAL FLEX OFFICE		A	
1511		FREIGHT		H	
1511.1		VISITOR / FLEX ROOM		A	
1512		ELECTRICAL		B	
1513		VOLLEYBALL/BASKETBALL STORAGE		A	
1514		STAIR 02		-	
1515		MAIN WEIGHT ROOM		A	
1516		BOYS RR		D	
1517		GIRLS RR		C	
1518		OFFICE		A	
1519		TEAM ROOM		A	
1520		TRAINERS		A	
1520.1		CART STORAGE		A	
1521		OFFICE		A	

ROOM SIGNAGE SCHEDULE - 1ST LEVEL

PLAN ROOM NUMBER	SIGNAGE ROOM NUMBER	PLAN ROOM NAME	SIGNAGE ROOM NAME	SIGN TYPE	NOTES
1522		OFFICE		A	
1523		OFFICE		A	
1524		GIRLS LAUNDRY		A	
1524.1		IDF		B	
1524.2		FLEX OFF.		A	
1525		OFFICE		A	
1526		TEAM ROOM		A	
1527		CUSTODIAL		A	
1528		HEAD COACH GIRLS SPORTS		A	
1529		GIRLS SPORTS COACHES OFFICE		A	
1529.1		W COACHES LOCKER/SHOWER		C	
1529.2		COACHES RR		C	
1530		GIRLS PE		A	
1530.1		GIRLS PE RR& SHOWER		C	
1531		GIRLS BASKETBALL		A	
1531.1		STORAGE		B	
1532		GIRLS ATHLETIC RR / SHOWER		C	
1533		TRACK / CROSS COUNTRY		A	
1533.1		STORAGE		B	
1534		GIRLS VOLLEYBALL		A	
1534.1		STORAGE		B	
1535		CHEERLEADING		A	
1535.1		STORAGE		B	
1536		STAIR 04		-	
1537		GIRLS GOLF		A	
1538		GIRLS SOCCER		A	
1538.1		STORAGE		B	
1539		HEAD COACH BOYS SPORTS		A	
1540		BOYS PE		A	
1540.1		BOYS PE RR & SHOWER		D	
1541		BOYS SPORTS COACHES OFFICE		A	
1541.1		M COACHES LOCKER/SHOWER		D	
1541.2		COACHES RR		D	
1542		BOYS ATHLETIC RR / SHOWER		D	
1543		BOYS LAUNDRY		A	
1544		PUMP ROOM		-	
1545		IDF		B	
1546		BOYS BASKETBALL		A	
1546.1		STORAGE		B	
1547		BOYS GOLF STOR.		A	
1548		MECHANICAL		B	
1549		BOYS GOLF & CROSS COUNTRY		A	
1550		STAIR 03		-	
1550.1		MECHANICAL		B	
C1000		MAIN STREET		-	
C1100.1		CORRIDOR		-	
C1100.2		CORRIDOR		-	
C1103		CORRIDOR		-	
C1508		CORRIDOR		-	
C1508.1		CORRIDOR		-	
C1508.2		CORRIDOR		-	
C1508.3		CORRIDOR		-	
C1508.4		CORRIDOR		-	

01 LEVEL 1 - OVERALL GRAPHICS & SIGNAGE PLAN
1" = 20'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
REGISTERED ARCHITECT
JAN LEPICOVSKY
25572

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: TC
DRAWN BY: AE

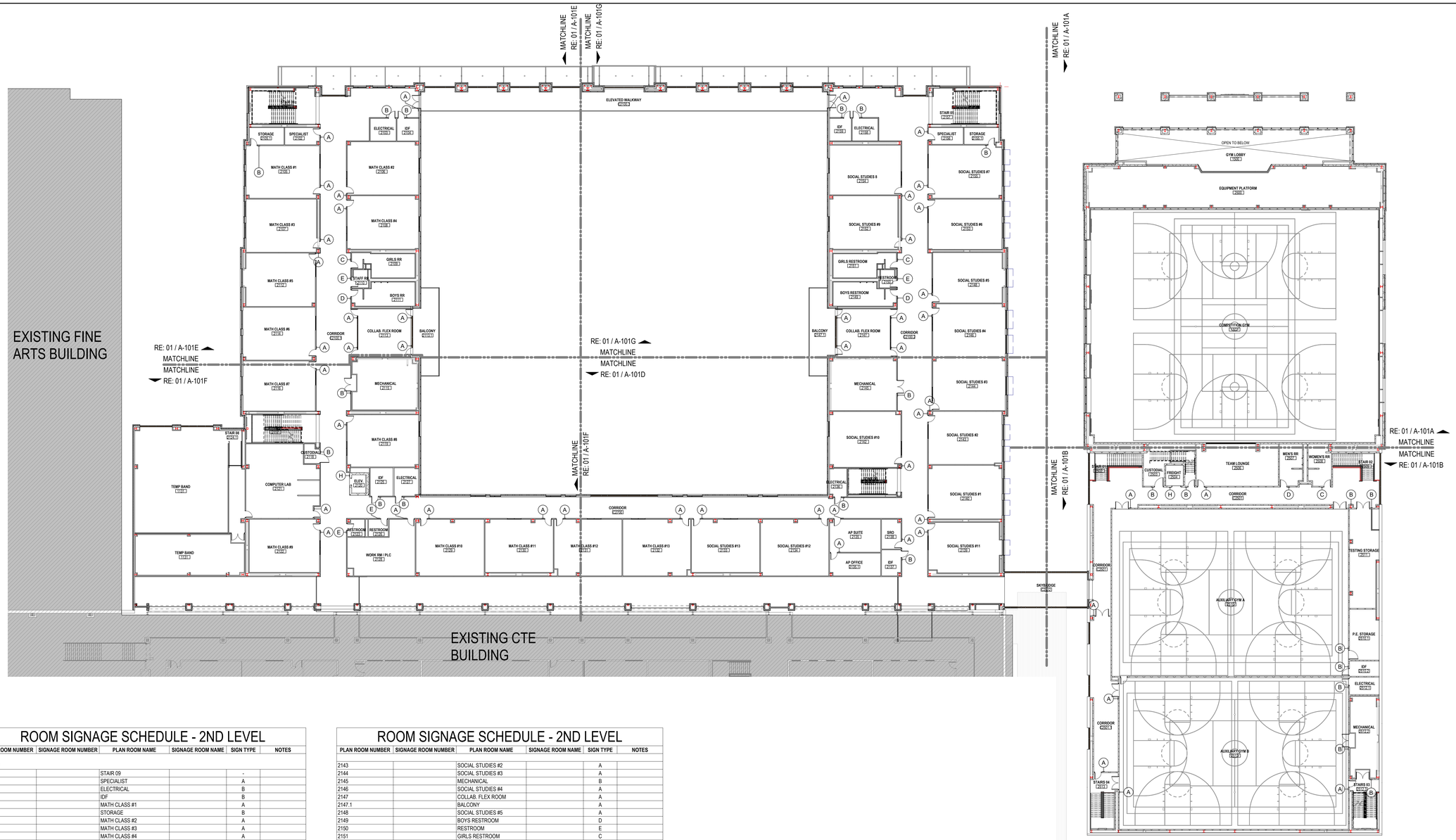
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LEVEL 1 - OVERALL GRAPHICS & SIGNAGE PLAN

AG101

LEVEL 2 - OVERALL GRAPHICS & SIGNAGE PLAN
AG102
FOR BLUEBEAM LABELING/DOOR:

0"
1"



ROOM SIGNAGE SCHEDULE - 2ND LEVEL

PLAN ROOM NUMBER	SIGNAGE ROOM NUMBER	PLAN ROOM NAME	SIGNAGE ROOM NAME	SIGN TYPE	NOTES
LEVEL 2					
2101		STAIR 09		-	
2102		SPECIALIST		A	
2103		ELECTRICAL		B	
2104		IDF		B	
2105		MATH CLASS #1		A	
2105.1		STORAGE		B	
2106		MATH CLASS #2		A	
2107		MATH CLASS #3		A	
2108		MATH CLASS #4		A	
2109		GIRLS RR		C	
2110		STAFF RR		E	
2111		BOYS RR		D	
2112		MATH CLASS #5		A	
2113		COLLAB. FLEX ROOM		A	
2113.1		BALCONY		A	
2114		MATH CLASS #6		A	
2115		MECHANICAL		B	
2116		MATH CLASS #7		A	
2117		STAIR 07		-	
2118		CUSTODIAL		B	
2119		MATH CLASS #8		A	
2120		ELEV.		H	
2121		COMPUTER LAB		A	
2122		MATH CLASS #9		A	
2123		RESTROOM		E	
2124		MECH.		B	
2124.1		STAIR 08		-	
2125		IDF		B	
2126		RESTROOM		E	
2127		ELECTRICAL		B	
2128		WORK RM / PLC		A	
2129		MATH CLASS #10		A	
2130		MATH CLASS #11		A	
2131		MATH CLASS #12		A	
2132		MATH CLASS #13		A	
2133		SOCIAL STUDIES #13		A	
2134		SOCIAL STUDIES #12		A	
2135		AP SUITE		A	
2135.1		AP OFFICE		A	
2136		ELECTRICAL		B	
2137		IDF		B	
2138		SRO		A	
2139		SOCIAL STUDIES #11		A	
2140		SOCIAL STUDIES #1		A	
2141		STAIR 06		-	
2142		SOCIAL STUDIES #10		A	

ROOM SIGNAGE SCHEDULE - 2ND LEVEL

PLAN ROOM NUMBER	SIGNAGE ROOM NUMBER	PLAN ROOM NAME	SIGNAGE ROOM NAME	SIGN TYPE	NOTES
2143		SOCIAL STUDIES #2		A	
2144		SOCIAL STUDIES #3		A	
2145		MECHANICAL		B	
2146		SOCIAL STUDIES #4		A	
2147		COLLAB. FLEX ROOM		A	
2147.1		BALCONY		A	
2148		SOCIAL STUDIES #5		A	
2149		BOYS RESTROOM		D	
2150		RESTROOM		E	
2151		GIRLS RESTROOM		C	
2152		SOCIAL STUDIES #9		A	
2153		SOCIAL STUDIES #6		A	
2154		SOCIAL STUDIES 8		A	
2155		SOCIAL STUDIES #7		A	
2155.1		STORAGE		B	
2156		SPECIALIST		A	
2157		STAIR 05		-	
2158		ELECTRICAL		B	
2159		IDF		B	
2500		EQUIPMENT PLATFORM		-	
2502		STAIR 01		-	
2503		CUSTODIAL		B	
2504		FREIGHT		H	
2505		STAIR 10		-	
2506		TEAM LOUNGE		A	
2507		MEN'S RR		D	
2508		WOMEN'S RR		C	
2509		STAIR 02		-	
2510		AUXILIARY GYM A		A	
2510.1		P.E. STORAGE		B	
2510.2		IDF		B	
2511		TESTING STORAGE		B	
2512.1		ELECTRICAL		B	
2512.2		MECHANICAL		B	
2512.3		STAIRS 03		A	
2513		STAIRS 04		A	
2513		AUXILIARY GYM B		A	
C2100.1		CORRIDOR		-	
C2100.2		CORRIDOR		-	
C2100.3		ELEVATED WALKWAY		A	
C2501		CORRIDOR		-	
C2501.1		CORRIDOR		-	
C2512		SKYBRIDGE		-	
C2700		CORRIDOR		-	

01 LEVEL 2 - NEW GYM & MULTIPURPOSE FACILITY OVERALL FLOOR PLAN
1" = 20'-0"

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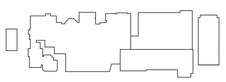
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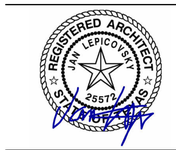
PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St,
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE





CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: TC
DRAWN BY: AE

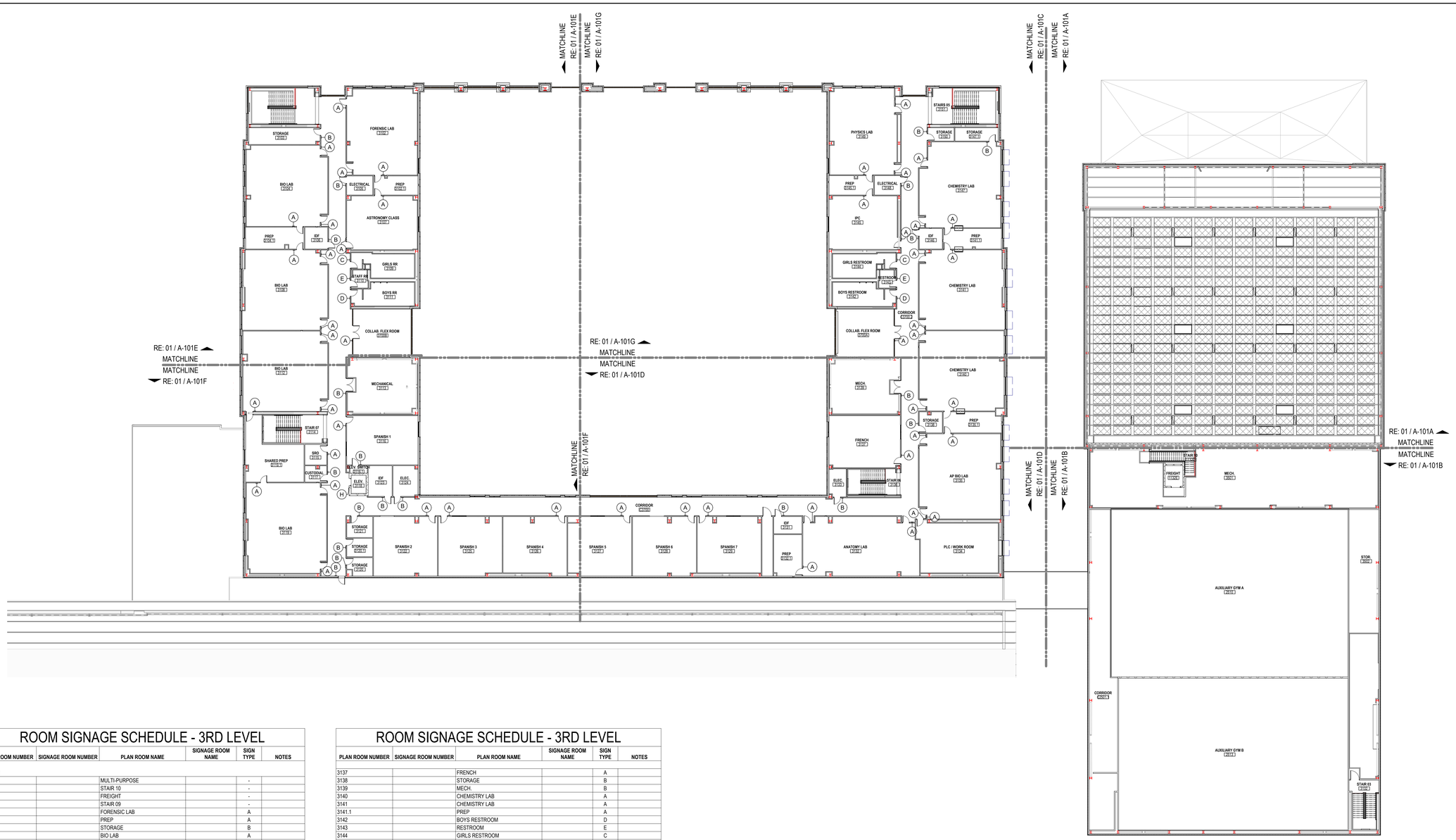
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LEVEL 2 - OVERALL GRAPHICS & SIGNAGE PLAN

AG102

0"
1"

LEVEL 3 - OVERALL GRAPHICS & SIGNAGE PLAN
AG103
FOR BLUEBEAM LABELING/DOOR:



ROOM SIGNAGE SCHEDULE - 3RD LEVEL

PLAN ROOM NUMBER	SIGNAGE ROOM NUMBER	PLAN ROOM NAME	SIGNAGE ROOM NAME	SIGN TYPE	NOTES
LEVEL 3					
1000		MULTI-PURPOSE		-	
1132D		STAIR 10		-	
1132E		FREIGHT		-	
3101		STAIR 09		-	
3102		FORENSIC LAB		A	
3102.1		PREP		A	
3103		STORAGE		B	
3104		BIO LAB		A	
3104.1		PREP		A	
3105		ELECTRICAL		B	
3106		IDF		B	
3107		ASTRONOMY CLASS		A	
3108		BIO LAB		A	
3109		GIRLS RR		C	
3110		STAFF RR		E	
3111		BOYS RR		D	
3112		BIO LAB		A	
3113		MECHANICAL		B	
3114		STAIR 07		-	
3115		SRO		A	
3116		SPANISH 1		A	
3116.1		ELEV. SWITCH		B	
3117		CUSTODIAL		B	
3118		ELEV.		H	
3119		BIO LAB		A	
3119.1		SHARED PREP		A	
3120		STORAGE		B	
3120.1		STORAGE		B	
3121		STORAGE		B	
3122		SPANISH 2		A	
3123		IDF		B	
3124		ELEC.		B	
3125		SPANISH 3		A	
3126		SPANISH 4		A	
3127		SPANISH 5		A	
3128		SPANISH 6		A	
3129		SPANISH 7		A	
3130		MECH. ACCESS		-	
3131		IDF		B	
3132		ANATOMY LAB		A	
3132.1		STAIR 03		-	
3133		PREP		B	
3134		ELEC.		A	
3135		PLC / WORK ROOM		A	
3135.1		AP BIO LAB		A	
3136		PREP		A	
		STAIR 06		-	

ROOM SIGNAGE SCHEDULE - 3RD LEVEL

PLAN ROOM NUMBER	SIGNAGE ROOM NUMBER	PLAN ROOM NAME	SIGNAGE ROOM NAME	SIGN TYPE	NOTES
3137		FRENCH		A	
3138		STORAGE		B	
3139		MECH.		B	
3140		CHEMISTRY LAB		A	
3141		CHEMISTRY LAB		A	
3141.1		PREP		A	
3142		BOYS RESTROOM		D	
3143		RESTROOM		E	
3144		GIRLS RESTROOM		C	
3145		IPC		A	
3145.1		PREP		A	
3146		IDF		B	
3147		CHEMISTRY LAB		A	
3147.1		STORAGE		B	
3148		ELECTRICAL		B	
3149		PHYSICS LAB		A	
3150		STORAGE		B	

01 LEVEL 3 - NEW GYM & MULTIPURPOSE FACILITY OVERALL FLOOR PLAN
1" = 20'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN = TRUE

REGISTERED ARCHITECT
JAN LEPICOVSKY
25572
STATE OF TEXAS

CLIENT
Galena Park ISD

DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

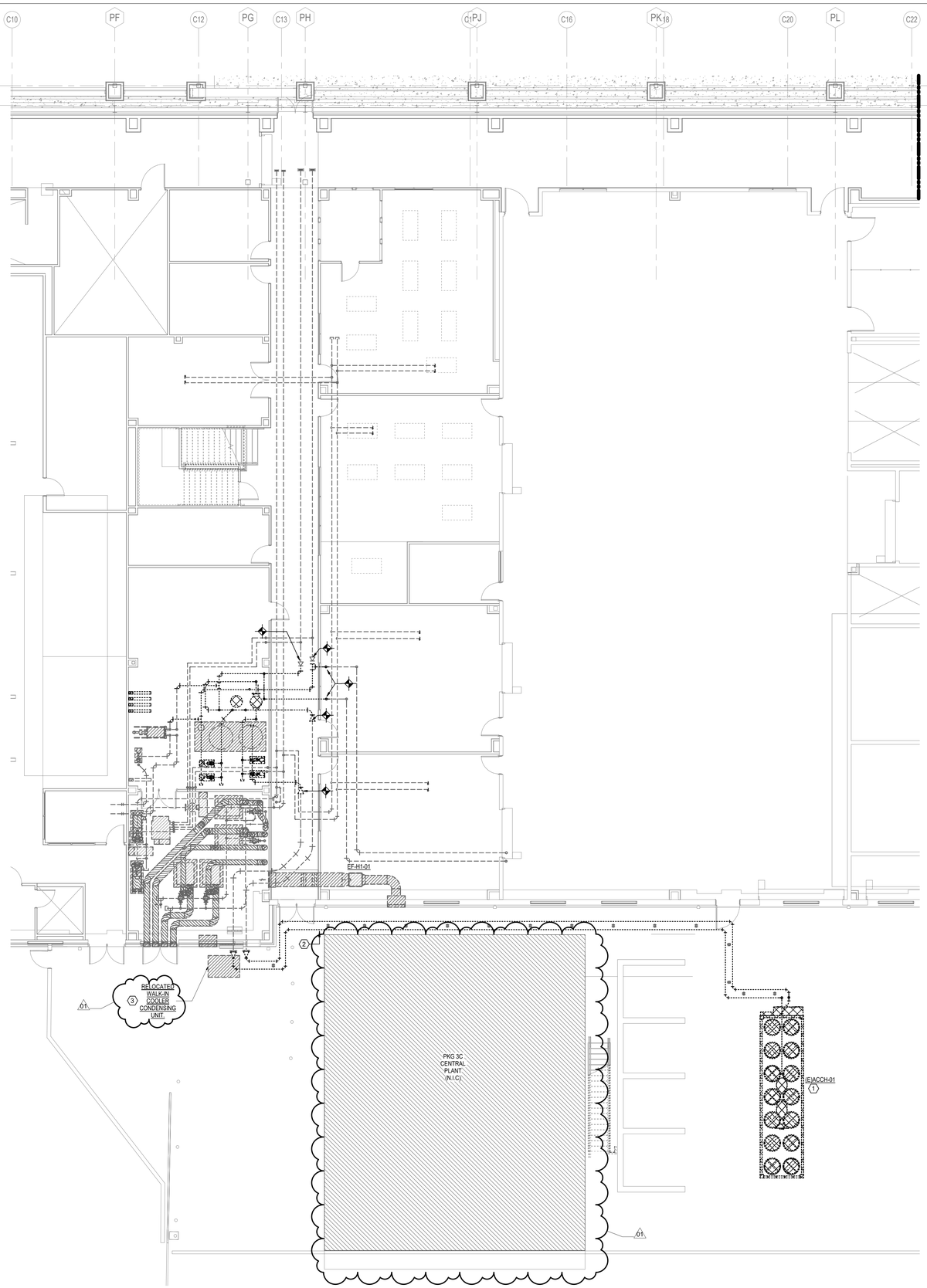
No.	Description	Date
1	ADD 01	2025/12/11

CHECKED BY: TC
DRAWN BY: AE

1 **LEVEL 3 - OVERALL GRAPHICS & SIGNAGE PLAN**

AG103

0"
1"



MECHANICAL KEYED NOTES:

1. AFTER INSTALLATION OF CENTRAL PLANT, TEMPORARY CHILLER TO BE DEMOLISHED AND HANDED OVER TO OWNER.
2. 6" CHS/R AND SUPPORTS FOR TEMPORARY CHILLER TO BE DEMOLISHED AFTER INSTALLATION OF CENTRAL PLANT.
3. WALK IN COOLER CONDENSING UNIT RELOCATED DURING THE SUMMER OF 2026 TO MAKE ROOM FOR PKG 3C CENTRAL PLANT. FOR DETAILS, SEE M-101HT.

01

1 1ST FLOOR MECHANICAL DEMO PLAN - AREA H - CTE
1/8" = 1'-0"

1ST FLOOR MECHANICAL DEMO PLAN - AREA H - CTE
MD-101H
FOR BLUEBEAM LABELING/OCR:

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HOUSTON, TX
713-366-0808

LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD
BUILDING N.A.L. FOR ALL, INC.

KEY PLAN
NORTH: PLAN / TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: MP
DRAWN BY: CT

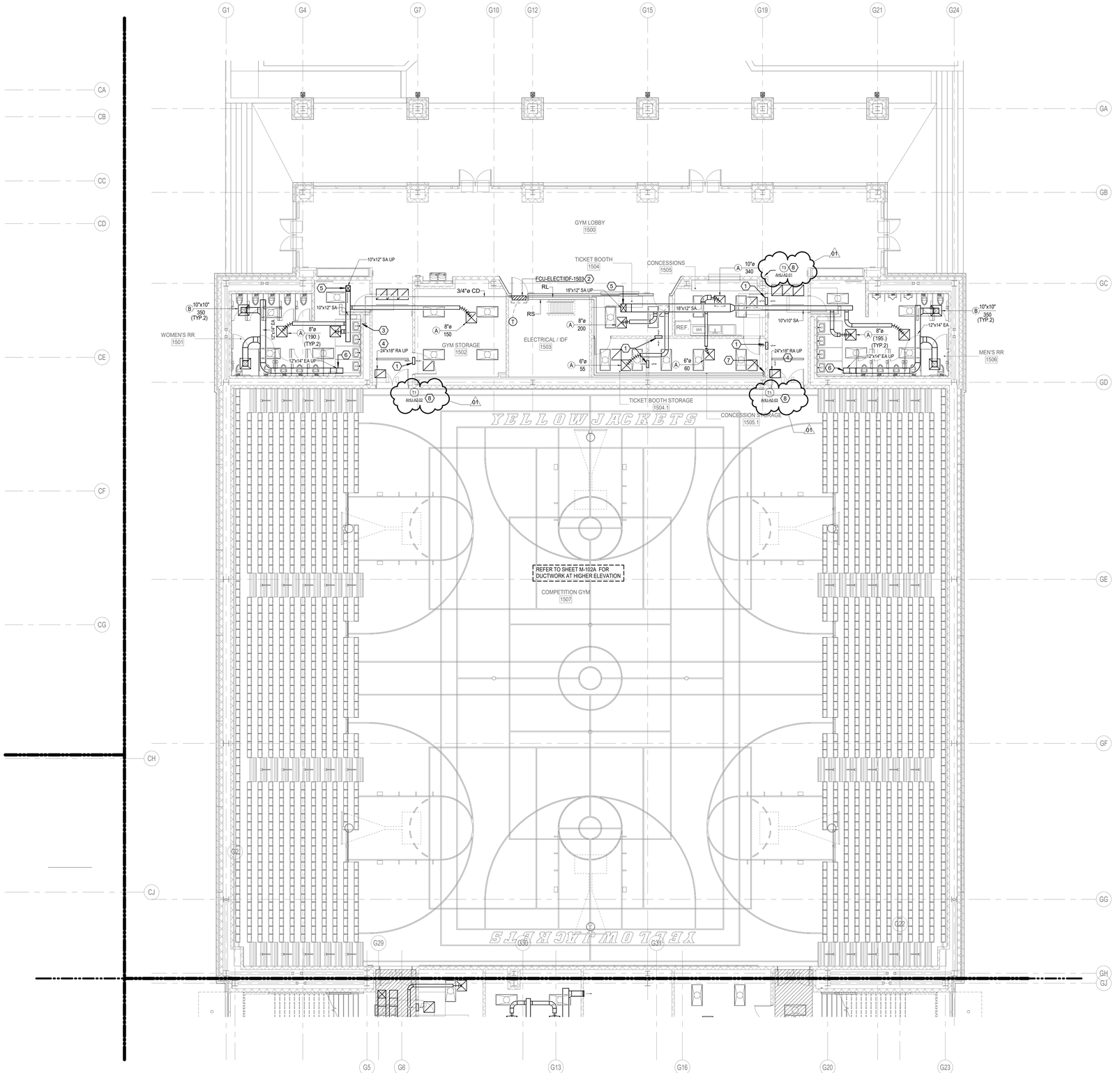
1ST FLOOR MECHANICAL DEMO PLAN - AREA H - CTE

MD-101H

Plot Stamp:
12/10/2025 6:55:08 PM

0"
1"

1ST FLOOR MECHANICAL PLAN - AREA A NEW GYM FLOOR PLAN
M-101A
FOR BLUEBEAM LABELING/OCR:



MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST LAVATORY TAIL-PIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. 24" x 18" RETURN AIR OPENING FROM THE MEZZANINE LEVEL THRU SLAB.
5. SUPPLY DUCT FROM THE LEVEL ABOVE. REFER TO M-102A FOR CONTINUATION.
6. 12" x 14" EXHAUST AIR DUCT ROUTED UP TO **EF-A1-01** ON ROOF. TRANSITION TO UNIT INLET. REFER TO M-102A FOR CONTINUATION.
7. ROUTE REFRIGERANT LINES UP TO THE FLOOR ABOVE. SEE M-102A FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
8. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.

1 1ST FLOOR MECHANICAL PLAN - AREA A NEW GYM FLOOR PLAN
SCALE: 1/8" = 1'-0"

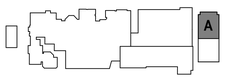
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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE IN ALL FOCAL AREAS



KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

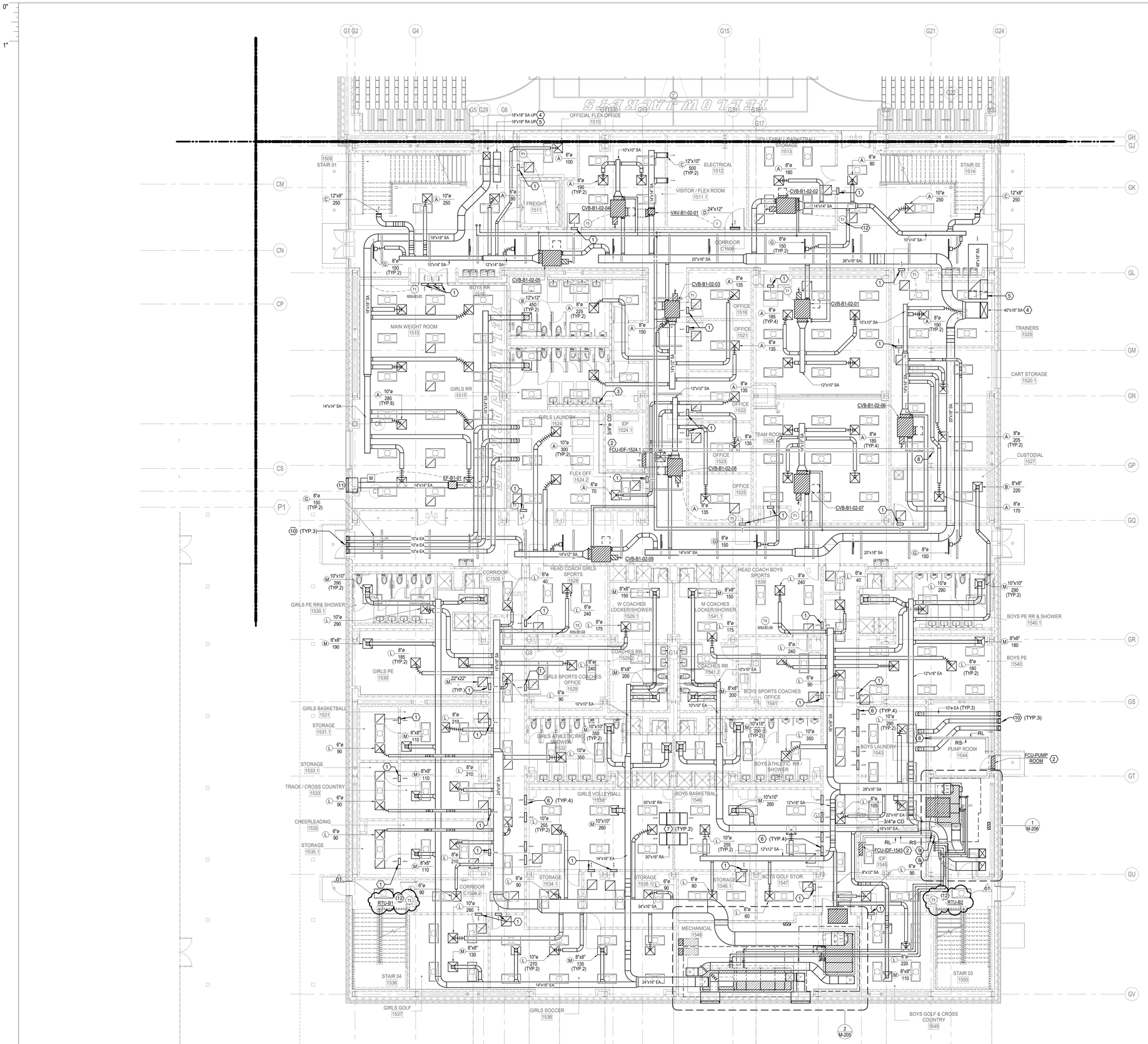
No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

1ST FLOOR MECHANICAL PLAN - AREA A NEW GYM FLOOR PLAN

M-101A

1ST FLOOR MECHANICAL PLAN - AREA B NEW GYM FLOOR PLAN
M-101B
FOR BLUEBEAM LABELING/OCR:



MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST LAVATORY TAIL-PIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. SUPPLY AIR DUCT FROM THE LEVEL ABOVE. REFER TO M-102B FOR CONTINUATION.
5. RETURN AIR DUCT FROM THE LEVEL ABOVE. REFER TO M-102B FOR CONTINUATION.
6. PROVIDE 24"x16" RETURN AIR WALL OPENING ABOVE CEILING.
7. PROVIDE INTERNALLY LINED TRANSFER AIR BOOT OF TYPE AND SIZE INDICATED ON PLAN AT APPROXIMATE LOCATION SHOWN. DIMENSIONS SHOWN MUST BE INTERNAL DIMENSIONS.
8. ROUTE REFRIGERANT LINES UP TO THE FLOOR ABOVE. SEE M-102B FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
9. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST FLOOR DRAIN TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
10. TERMINATE DRYER EXHAUST DUCT WITH LOUVERED SHUTTER.
11. PROVIDE AMCA 550 AND 540 RATED LOUVER WITH MINIMUM FREE AREA OF 1.8 SQ FT. COORDINATE EXACT DIMENSIONS, PLACEMENT, AND FINISH WITH ARCHITECT.
12. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.

1 1ST FLOOR MECHANICAL PLAN - AREA B NEW GYM FLOOR PLAN
SCALE: 1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

KEY PLAN — NORTH: PLAN — TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

1ST FLOOR MECHANICAL PLAN - AREA B NEW GYM FLOOR PLAN

M-101B

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12/10/2025 6:55:41 PM

0"
1"

1ST FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY

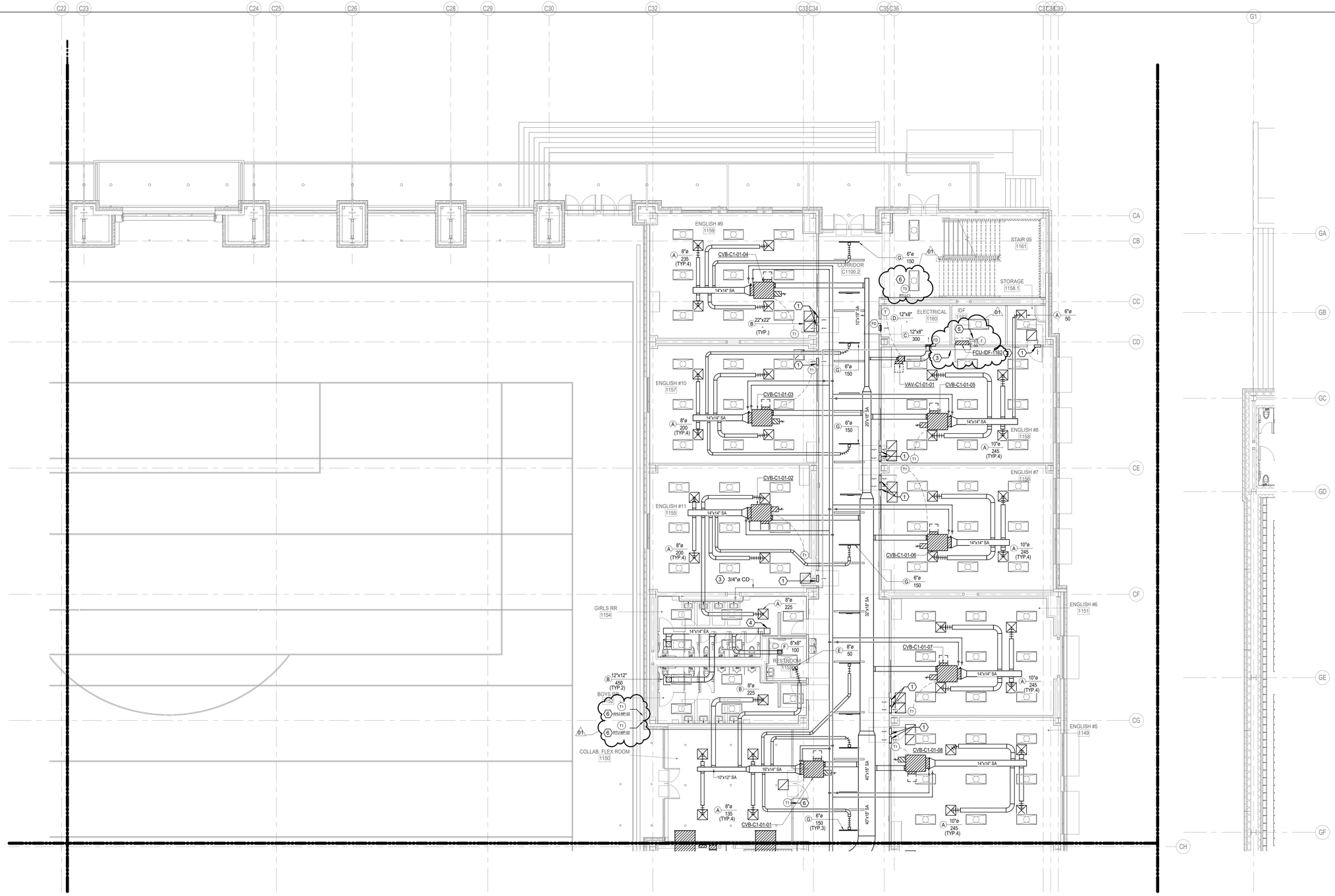
FLOOR PLAN

M-101C

FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO THE NEAREST LAVATORY TAILPIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. 12" x 14" EXHAUST DUCT ROUTED UP TO FLOOR ABOVE. SEE M-102C FOR CONTINUATION.
5. ROUTE REFRIGERANT LINES UP TO THE FLOOR ABOVE. SEE M-102C & M-103C FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
6. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.
7. EXHAUST DUCT ROUTED UP TO FLOOR ABOVE. SEE M-102C FOR CONTINUATION.



1 **1ST FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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Galena Park, TX 77547
CLIENT PROJECT NO: 240539
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Galena Park ISD
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C

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
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PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

1ST FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-101C

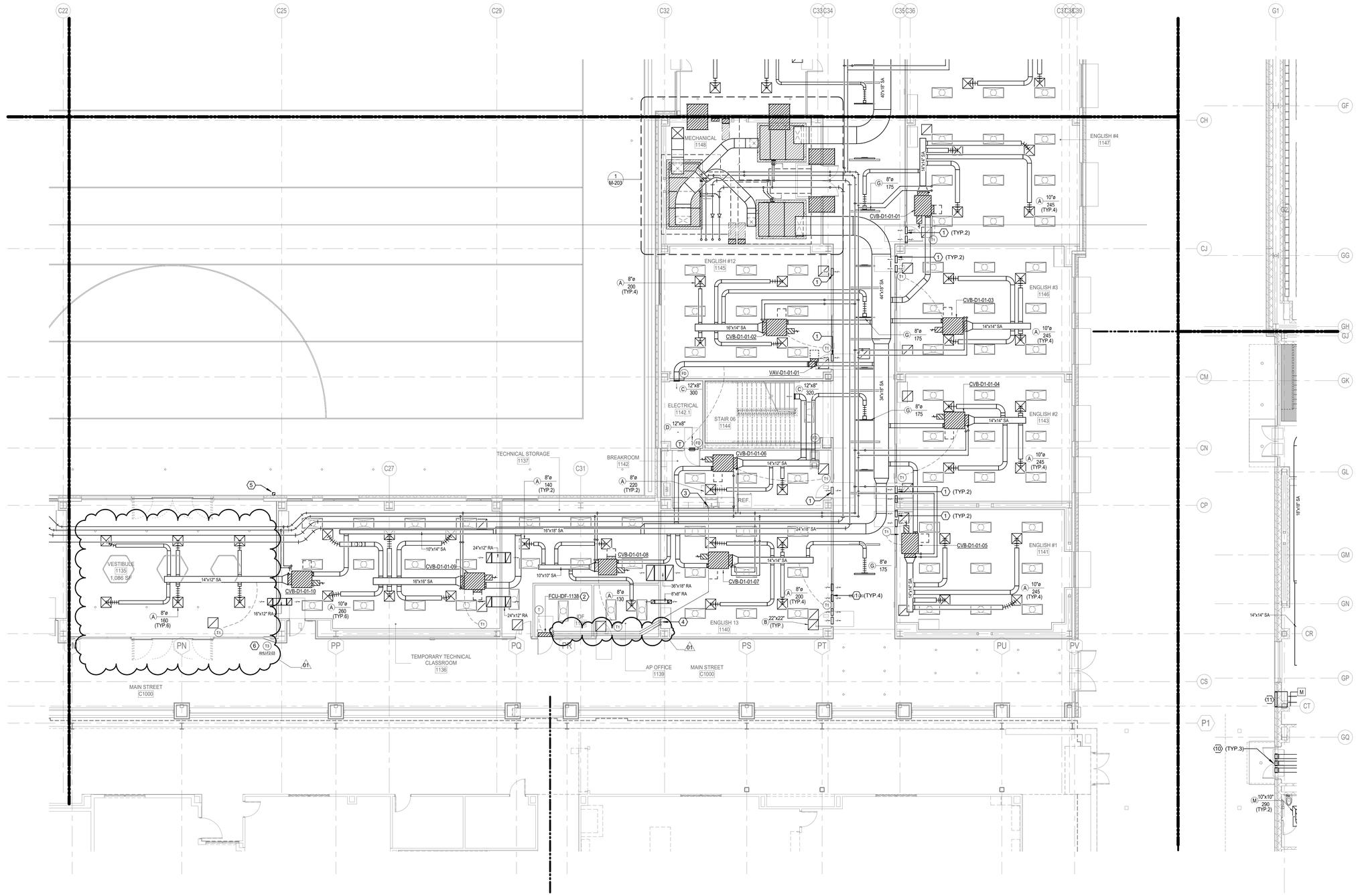
0"
1"

1ST FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY
FLOOR PLAN
M-101D
FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST LAVATORY TAIL-PIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. ROUTE REFRIGERANT LINES UP TO THE FLOOR ABOVE. SEE M-102D & M-103D FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
5. WALL MOUNTED CONTROLLER FOR DESTRATIFICATION FANS ON M-103C
6. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.

01



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1 **1ST FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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LEAF ENGINEERS
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CLIENT	
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DATE	PROJECT NUMBER
December 5, 2025	240539

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No.	Description	Date
01	ADD 01	2025/12/10

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1ST FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

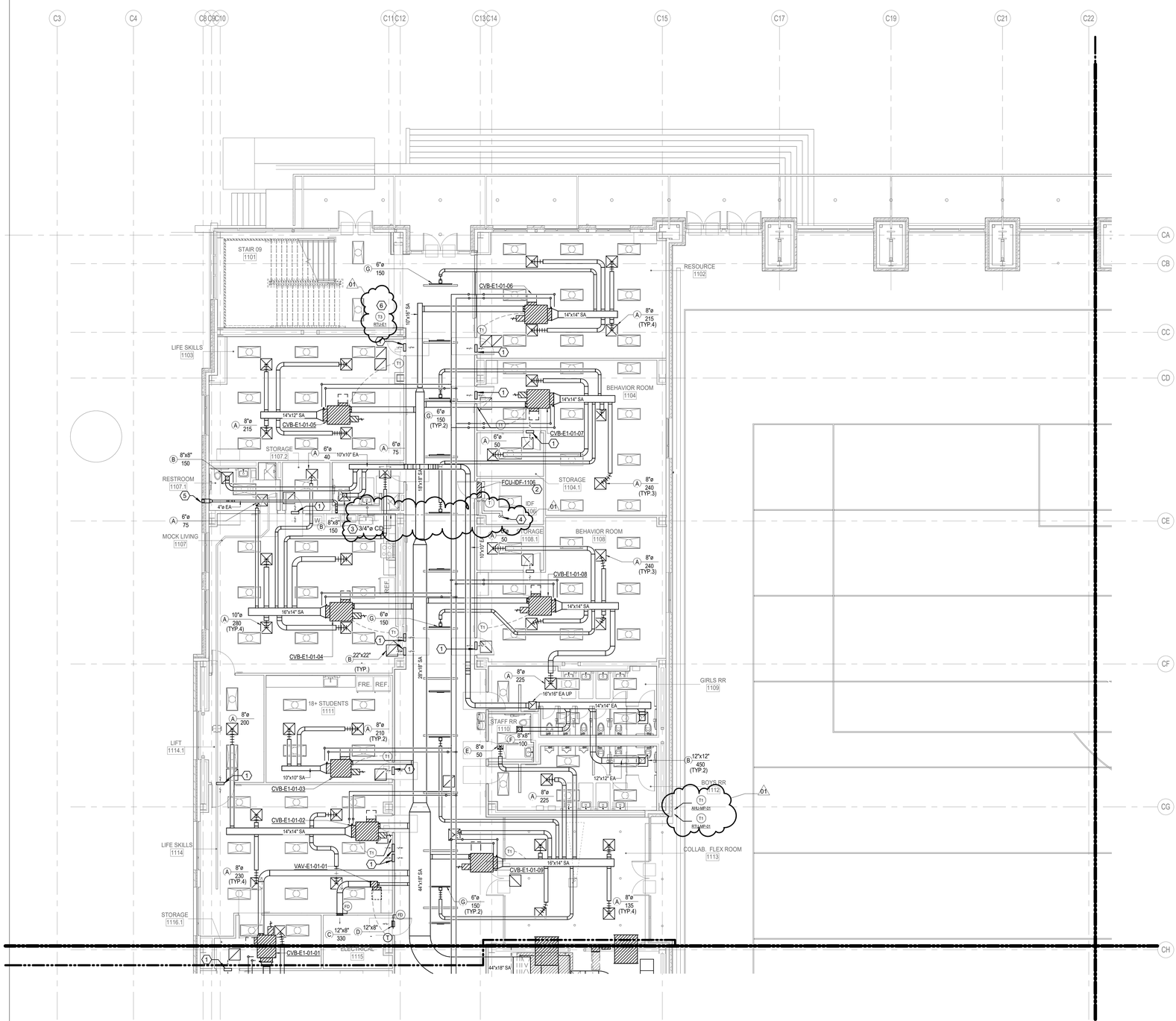
M-101D

1ST FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY

M-101E FLOOR PLAN

FOR BLUEBEAM LABELING/OCR:

0"
1"



MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO THE NEAREST LAVATORY TAILPIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. ROUTE REFRIGERANT LINES UP TO THE FLOOR ABOVE. SEE M-102E & M-103E FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
5. TERMINATE DRYER VENT WITH LOUVERED SHUTTER. SEE 2/M-602 FOR DETAILS.
6. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.

01

1 1ST FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

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CLIENT	
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DATE	PROJECT NUMBER
December 5, 2025	240539

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1ST FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-101E

0"
1"

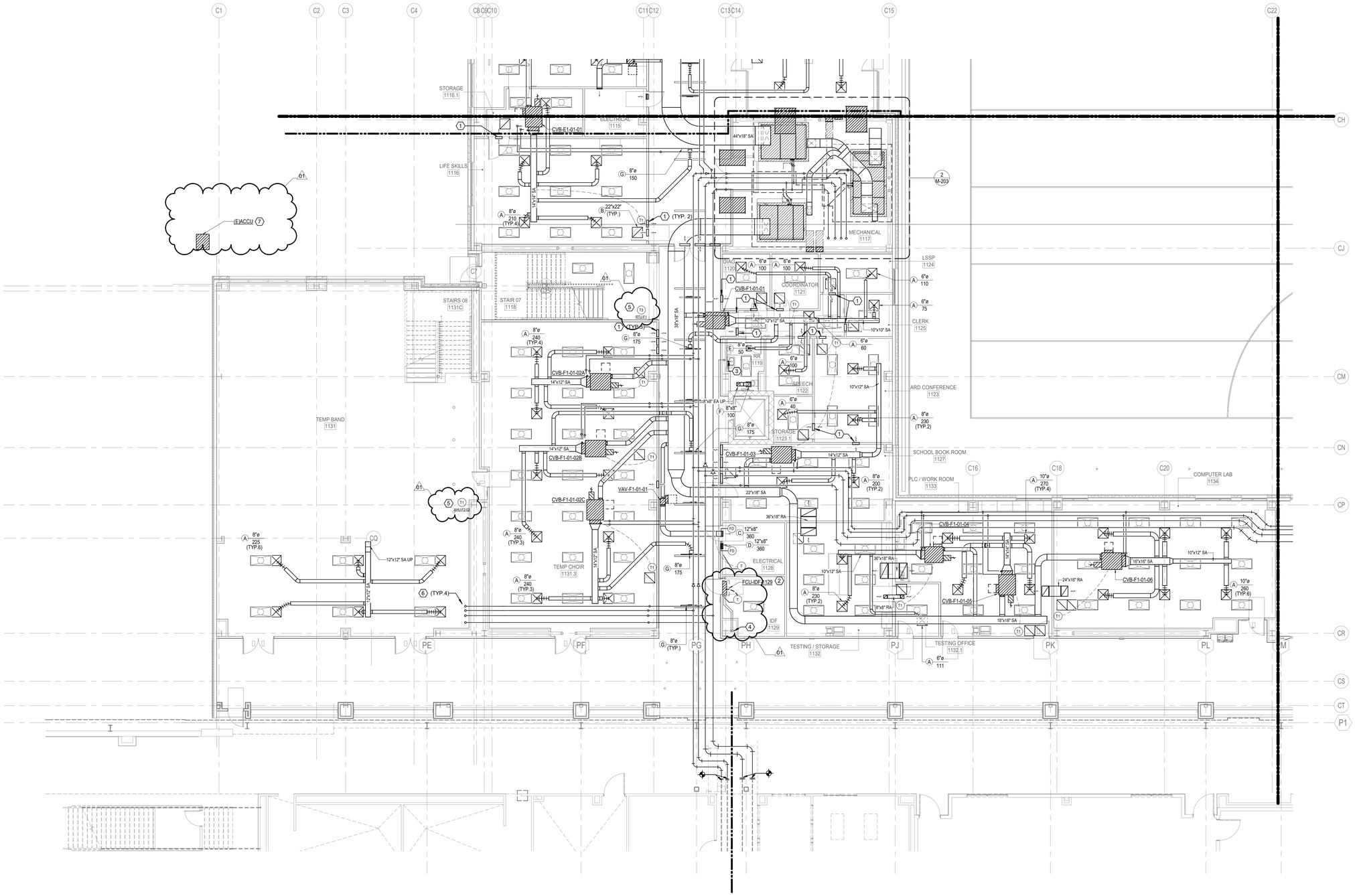
1ST FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY

M-101F PLAN

FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST LAVATORY TAIL-PIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. ROUTE REFRIGERANT LINES UP TO THE FLOOR ABOVE. SEE M-102F & M-103F FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVAL.
5. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.
6. CHS/R AND H/WS/R LINES TO FLOOR ABOVE. SEE 03.M-204 FOR CONTINUATION.
7. NEW GENERAL LOCATION OF RELOCATED CONDENSING UNIT. REFRIGERANT LINES TO BE EXTENDED TO NEW UNIT LOCATION SHOWN. CONTRACTOR TO CONSULT MANUFACTURER FOR ANY QUESTIONS REGARDING EXTENSION OF REFRIGERANT LINES. AFTER RELOCATION, CONTRACTOR TO ENSURE PROPER OPERATION OF UNIT. PROVIDE UNIT WITH NEW 12" HOUSEKEEPING PAD THAT EXTENDS AT MINIMUM 6" PAST ALL SIDES OF THE UNIT.



1 **1ST FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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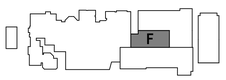
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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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CLIENT	
GALENA PARK ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

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DRAWN BY: CT

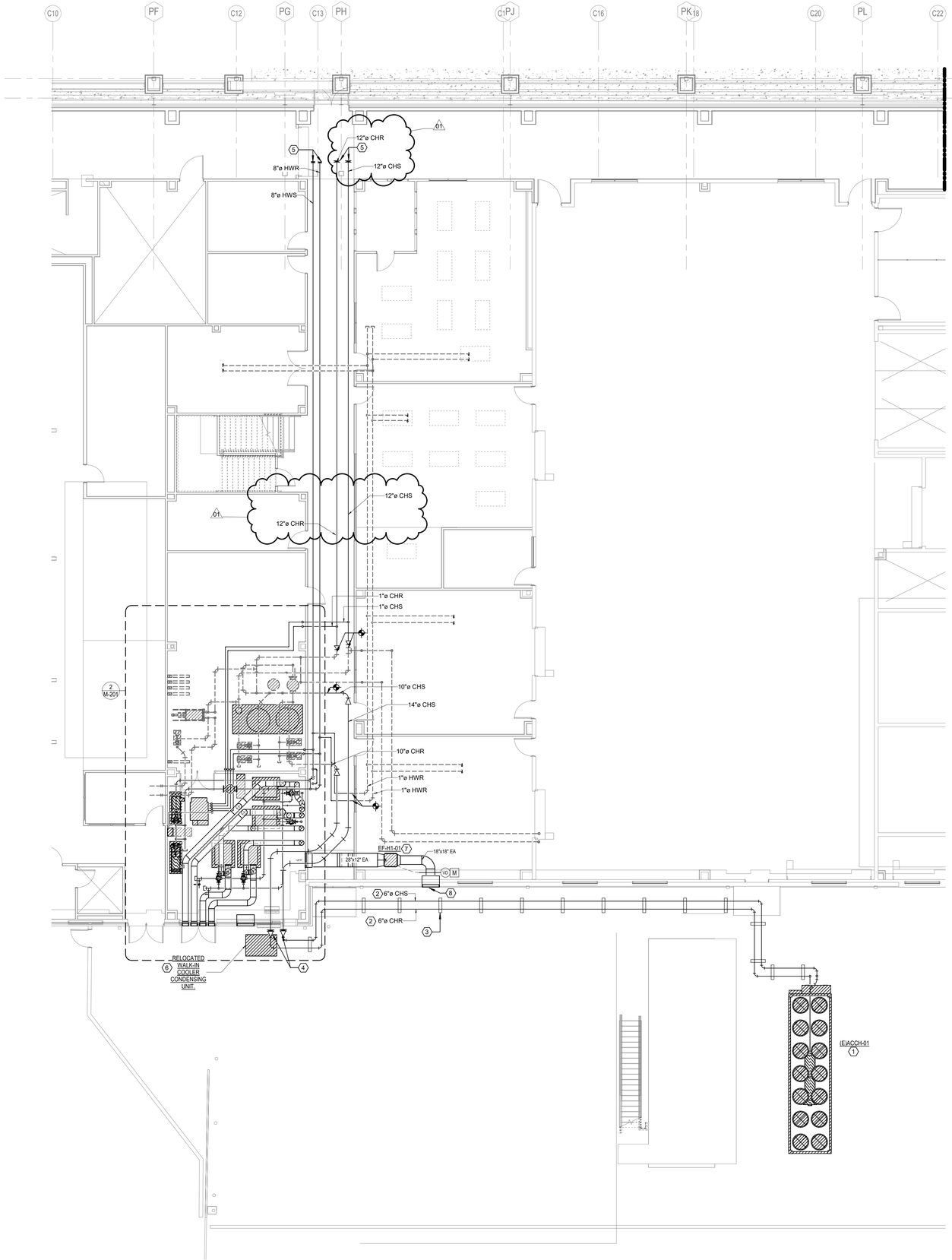
1ST FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-101F

1ST FLOOR TEMPORARY MECHANICAL PLAN - AREA H - CTE

M-101HT

FOR BLUEBEAM LABELING/OCR:



MECHANICAL KEYED NOTES:

01

1. RELOCATED CHILLER TO BE PLACED TRAILER DURING THE SUMMER OF 2026 THAT WILL BE OWNER FURNISHED. THE AWARDED MECHANICAL CONTRACTOR FOR THIS CURRENT BID PACKAGE SHALL PROVIDE FLEXIBLE SUPPLY AND RETURN HOSE AND CONNECT FROM RELOCATED CHILLER TO 14" CHS/R OUTSIDE BOILER ROOM. CONTRACTOR SHALL BE RESPONSIBLE FOR CHILLER STARTUP. INSTALLING CONTRACTOR TO ENSURE CHILLER WARRANTY IS MAINTAINED AFTER TEMPORARY RELOCATION.
2. PROPOSED LAYOUT FOR TEMPORARY FLEXIBLE 5" CHS/R FLEXIBLE PIPING CONNECTING TEMPORARY CHILLER. CONTRACTOR SHALL COORDINATE TEMPORARY PIPING LAYOUT WITH OWNER.
3. PROVIDE PORTABLE PIPE SUPPORTS IN MAX 8'-0" INTERVALS.
4. PROVIDE ISOLATION VALVES IN 14" CHS/R PIPING TO PREPARE FOR ARRIVAL OF CENTRAL PLANT PKGS.

01

5. PROVIDE ISOLATION VALVES AND BLIND FLANGE FOR 12" CHS/R AND 8" HWS/R PIPING TO PREP FOR FUTURE CONSTRUCTION OF PHASE 3B.
6. NEW GENERAL LOCATION OF WALK-IN COOLER. REFRIGERANT LINES TO BE EXTENDED TO NEW UNIT LOCATION SHOWN. CONTRACTOR TO CONSULT MANUFACTURER FOR ANY QUESTIONS REGARDING EXTENSION OF REFRIGERANT LINES. AFTER RELOCATION, CONTRACTOR TO ENSURE PROPER OPERATION OF UNIT. PROVIDE UNIT WITH NEW 12" HOUSEKEEPING PAD THAT EXTENDS AT MINIMUM 6" PAST ALL SIDES OF THE UNIT.
7. NEW INLINE FAN EF-H1-01 TO BE SUSPENDED FROM STRUCTURE. FAN TO BE INTERLOCKED WITH CO DETECTION SYSTEM IN CTE BOILER ROOM. PROVIDE FAN WITH NORMALLY CLOSED MOTORIZED DAMPER THAT IS INTERLOCKED WITH EXHAUST FAN.
8. PROVIDE AMCA 550 AND 540 RATED LOUVER WITH A MINIMUM FREE AREA OF 2.6 SQ. FT. AND MAX PRESSURE DROP OF 0.15" IN. WG. AT 2,200 CFM (BOD:36"X24"). REFER TO ARCHITECTURAL PLAN FOR MORE DETAILS.

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539

ISSUE FOR PROPOSAL

KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAS
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December 5, 2025

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DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

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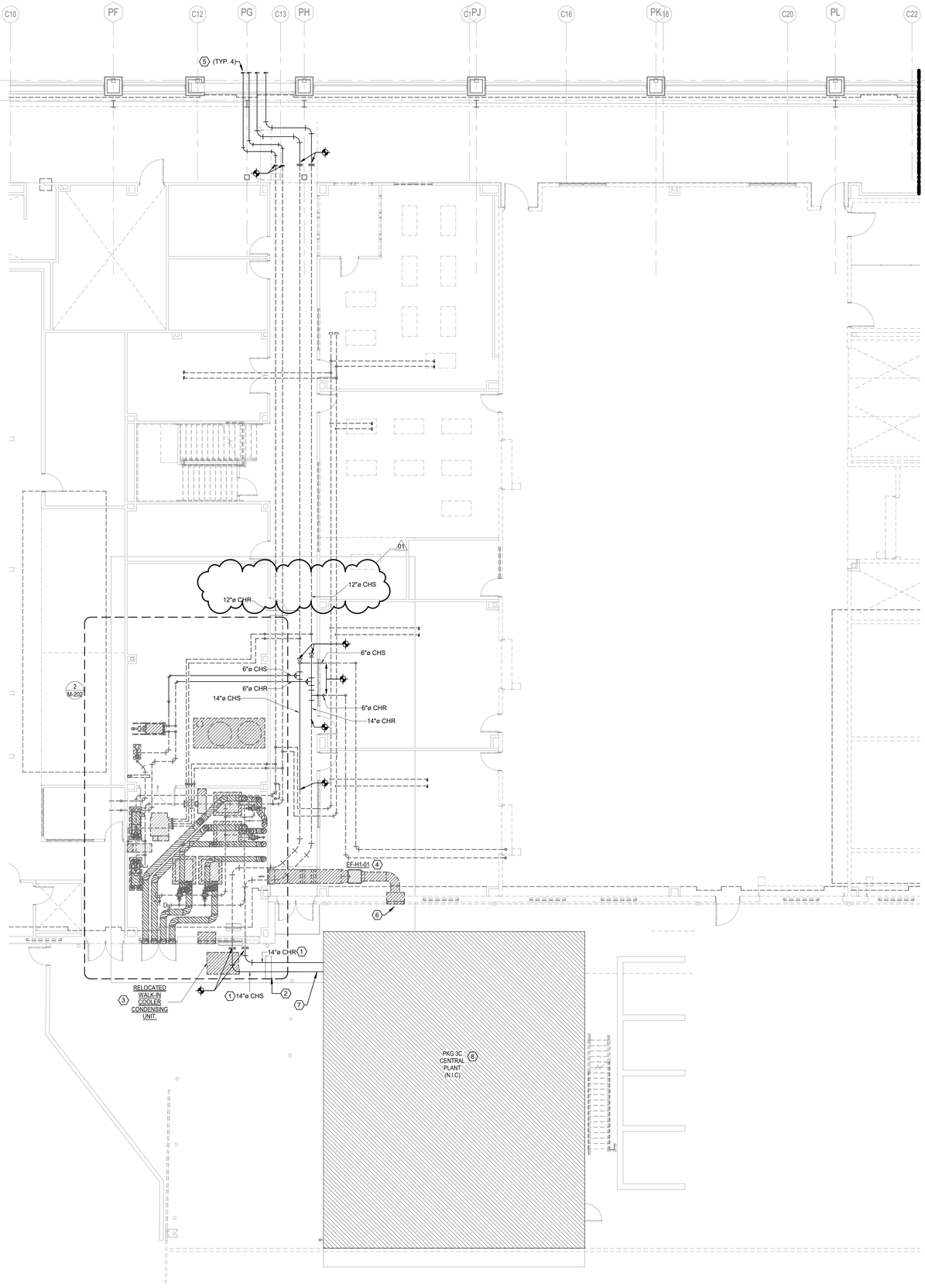
1ST FLOOR TEMPORARY MECHANICAL PLAN - AREA H - CTE

M-101HT

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12/10/2025 6:56:06 PM

1 1ST FLOOR TEMPORARY MECHANICAL PLAN - AREA H - CTE

1ST FLOOR MECHANICAL PLAN - AREA H - CTE
M-101H
FOR BLUEBEAM LABELING/OCR:



MECHANICAL KEYED NOTES:

1. 14" CHS/R LINES TO CONNECT CENTRAL PLANT TO EXISTING 14" CHS/R LINES ENTERING THE CTE BOILER ROOM.
2. PROVIDE PIPE STANCHIONS AT MAX 8'-0" INTERVALS.
3. WALK IN COOLER CONDENSING UNIT RELOCATED DURING THE SUMMER OF 2026 TO MAKE ROOM FOR PKG 3C CENTRAL PLANT. FOR DETAILS, SEE M-101HT.
4. SUSPENDED INLINE EXHAUST FAN INSTALLED DURING THE SUMMER OF 2026. SEE M-101HT FOR DETAILS.
5. SEE M-101F FOR PIPING CONTINUATION.
6. LOUVER INSTALLED DURING INSTALLATION OF BOILER SYSTEM. SEE M-101HT FOR DETAILS.
7. CONNECT NEW 14" CHS/R PIPING TO CONNECTIONS PROVIDED BY CENTRAL PLANT PKG 3C MANUFACTURER.
8. CONTRACTOR FOR PKG 3B TO PROVIDE BAS CONNECTION FROM PKG 3C CENTRAL PLANT TO EXISTING CTE BAS.

1 1ST FLOOR MECHANICAL PLAN - AREA H - CTE
1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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KEY PLAN
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CLIENT	
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DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
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1ST FLOOR MECHANICAL PLAN - AREA H - CTE

M-101H

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0"
1"

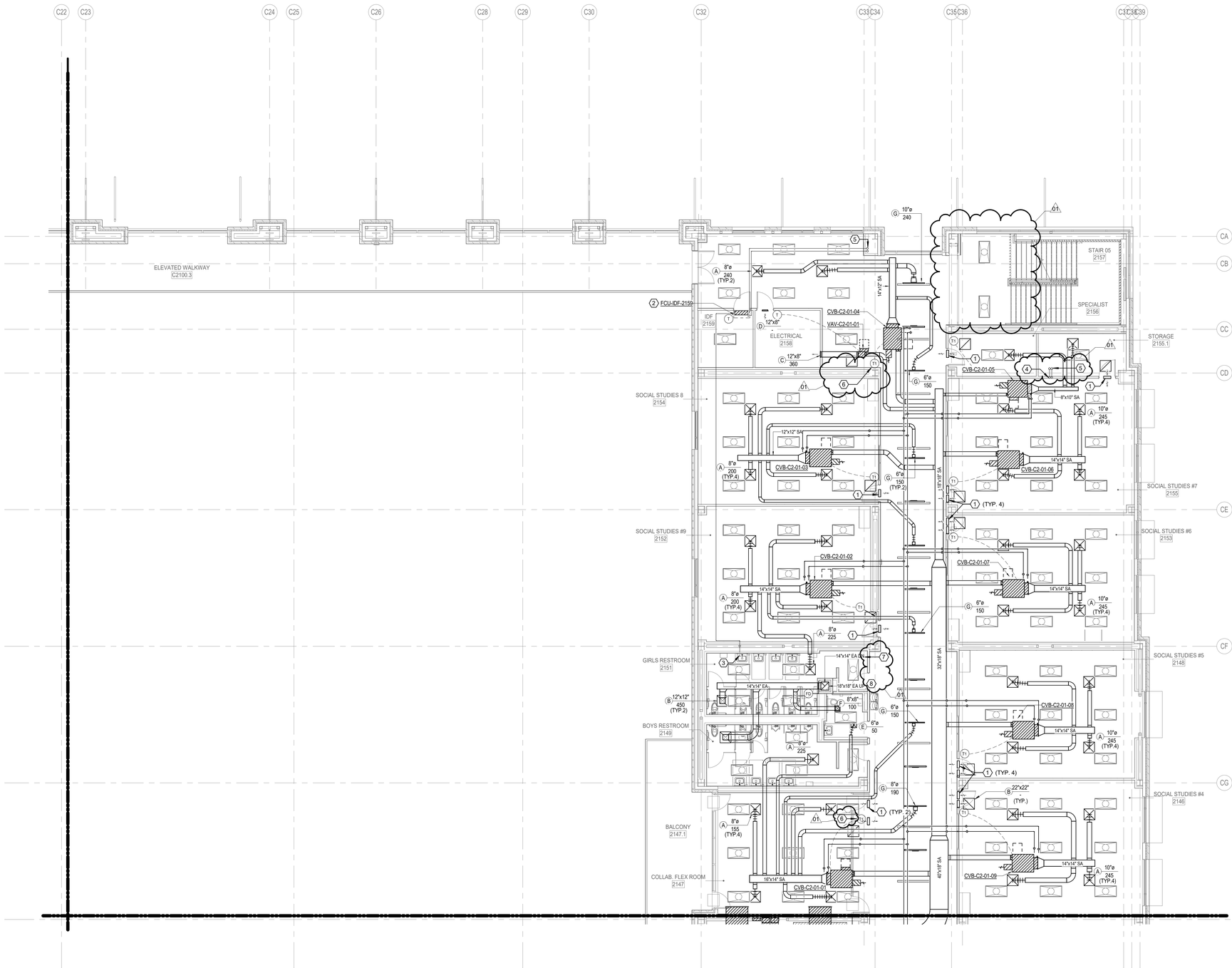
2ND FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY

M-102C PLAN

FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST LAVATORY TAILPIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. REFRIGERANT PIPING ROUTING FROM THE LEVEL BELOW. ALL OUTDOOR AND EXPOSED REFRIGERANT PIPING SHALL BE WRAPPED WITH ALUMINUM JACKET.
5. ROUTE REFRIGERANT LINES UP TO THE ROOF. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 8' INTERVALS.
6. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.
7. EXHAUST DUCT ROUTED DOWN TO FLOOR BELOW. SEE M-101C FOR CONTINUATION.
8. EXHAUST DUCT ROUTED UP TO FLOOR ABOVE. SEE M-103C FOR CONTINUATION.



1 2ND FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

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KEY PLAN
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2ND FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-102C

0"
1"

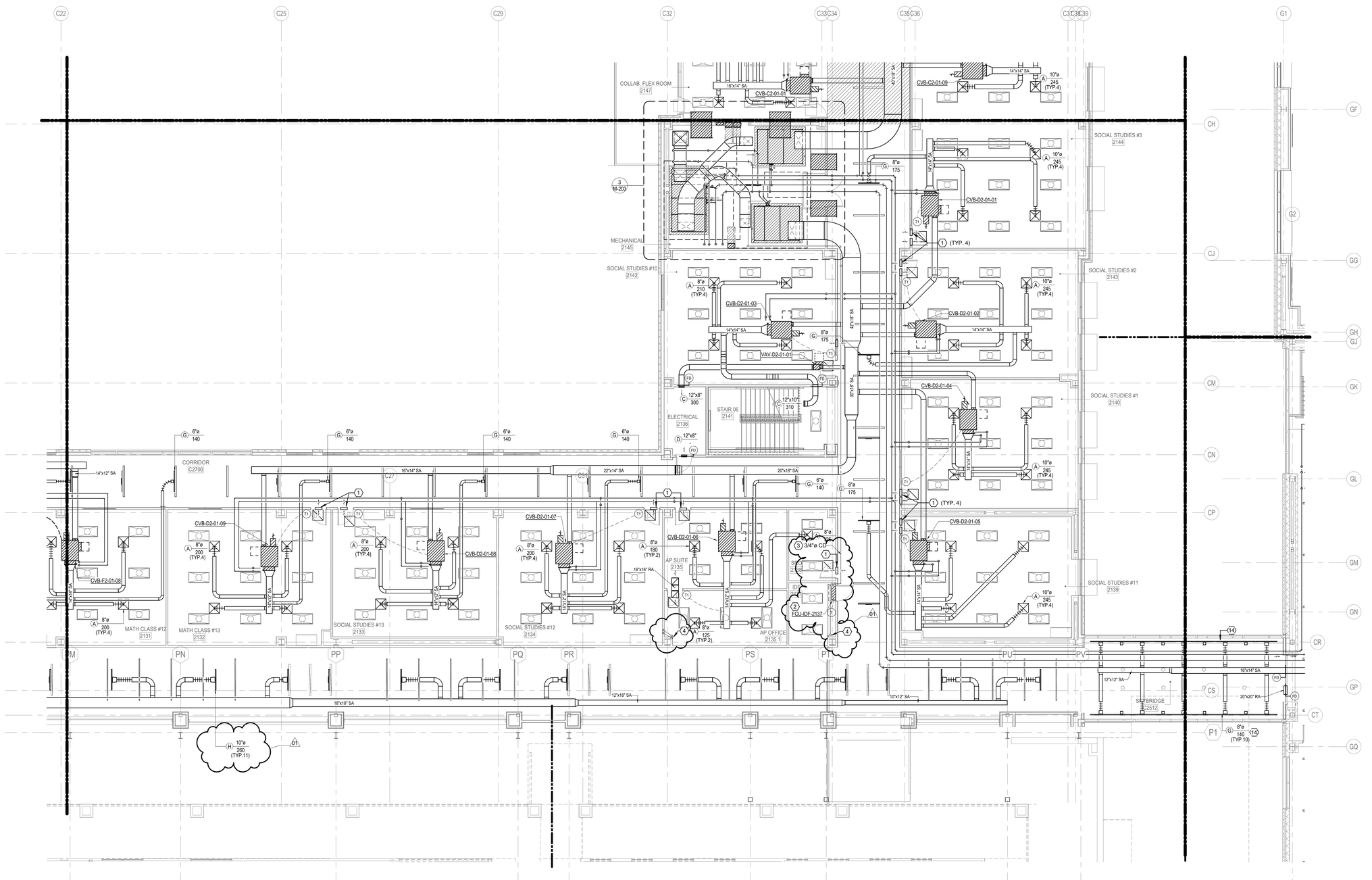
2ND FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY

M-102B PLAN

FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. ROUTE REFRIGERANT LINES UP TO THE ROOF. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.



1 2ND FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

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KEY PLAN
NORTH: PLAN TRUE

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DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

2ND FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

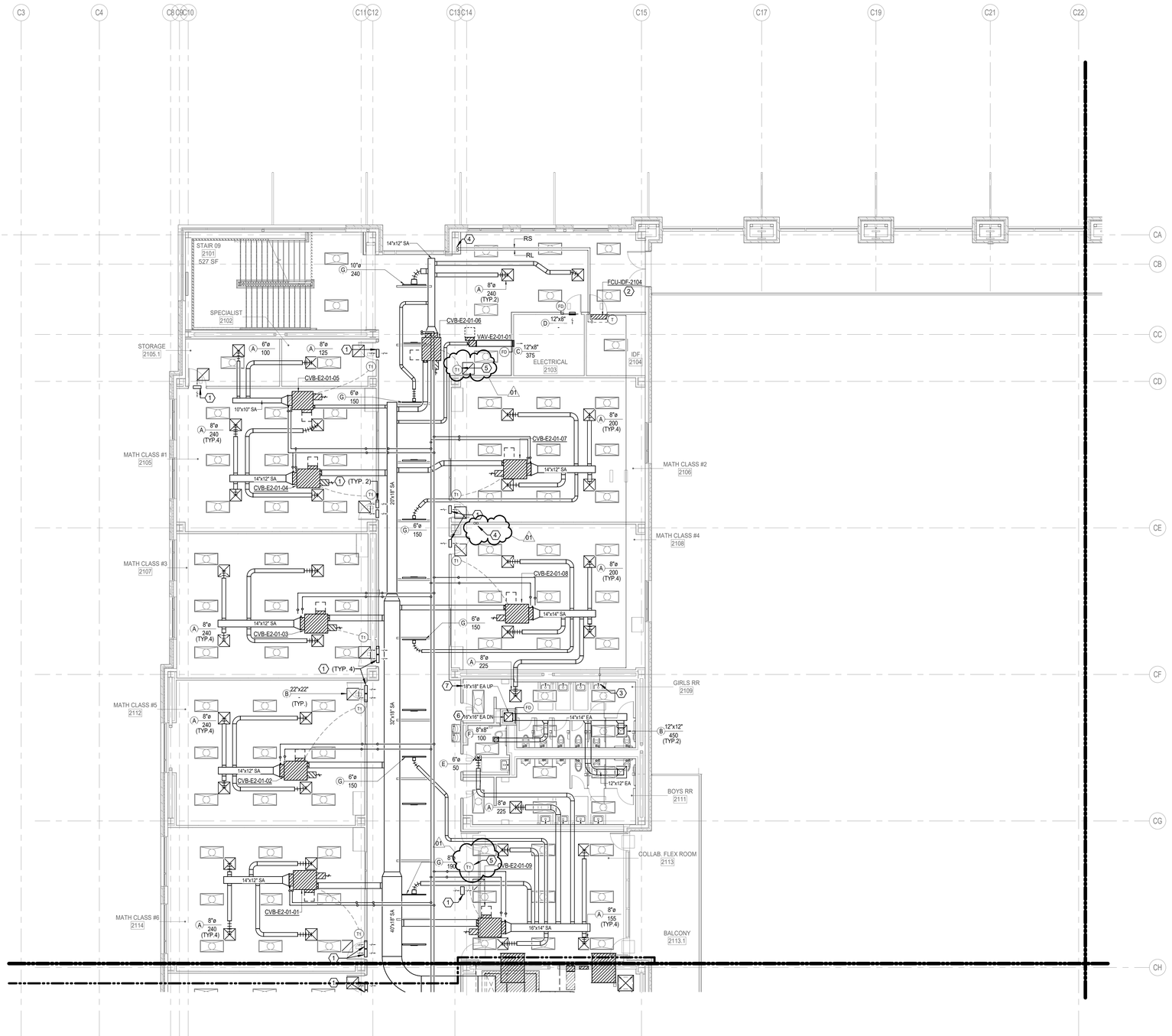
M-102D

0"
1"

2ND FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY

M-102E FLOOR PLAN

FOR BLUEBEAM LABELING/DCR:



MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST LAVATORY TAILPIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. ROUTE REFRIGERANT LINES UP TO THE ROOF. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
5. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.
6. EXHAUST DUCT ROUTED DOWN TO FLOOR BELOW. SEE M-101E FOR CONTINUATION.
7. EXHAUST DUCT ROUTED UP TO FLOOR ABOVE. SEE M-103E FOR CONTINUATION.

01

1 2ND FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

Plot Stamp:
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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

E

KEY PLAN
NORTH: PLAN = TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

2ND FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-102E

2ND FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY

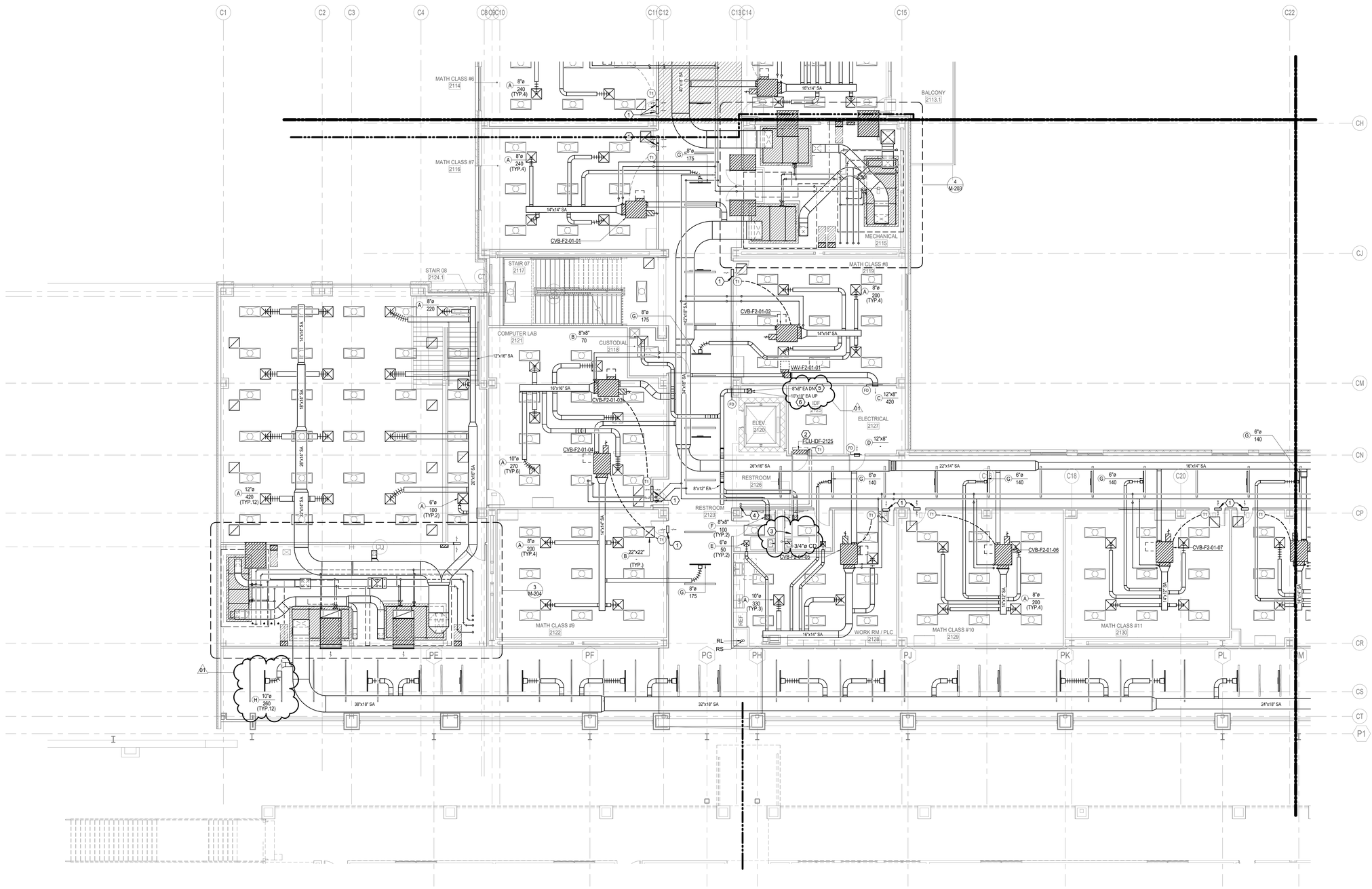
M-102F PLAN

FOR BLUEBEAM LABELING/OCR:

0"
1"

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST LAVATORY TAILPIECE. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. ROUTE REFRIGERANT LINES UP TO THE ROOF. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
5. EXHAUST DUCT ROUTED DOWN TO FLOOR BELOW. SEE M-101F FOR CONTINUATION.
6. EXHAUST DUCT ROUTED UP TO FLOOR ABOVE. SEE M-103F FOR CONTINUATION.



1 **2ND FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

F

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

2ND FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-102F

3RD FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY

FLOOR PLAN

M-103C

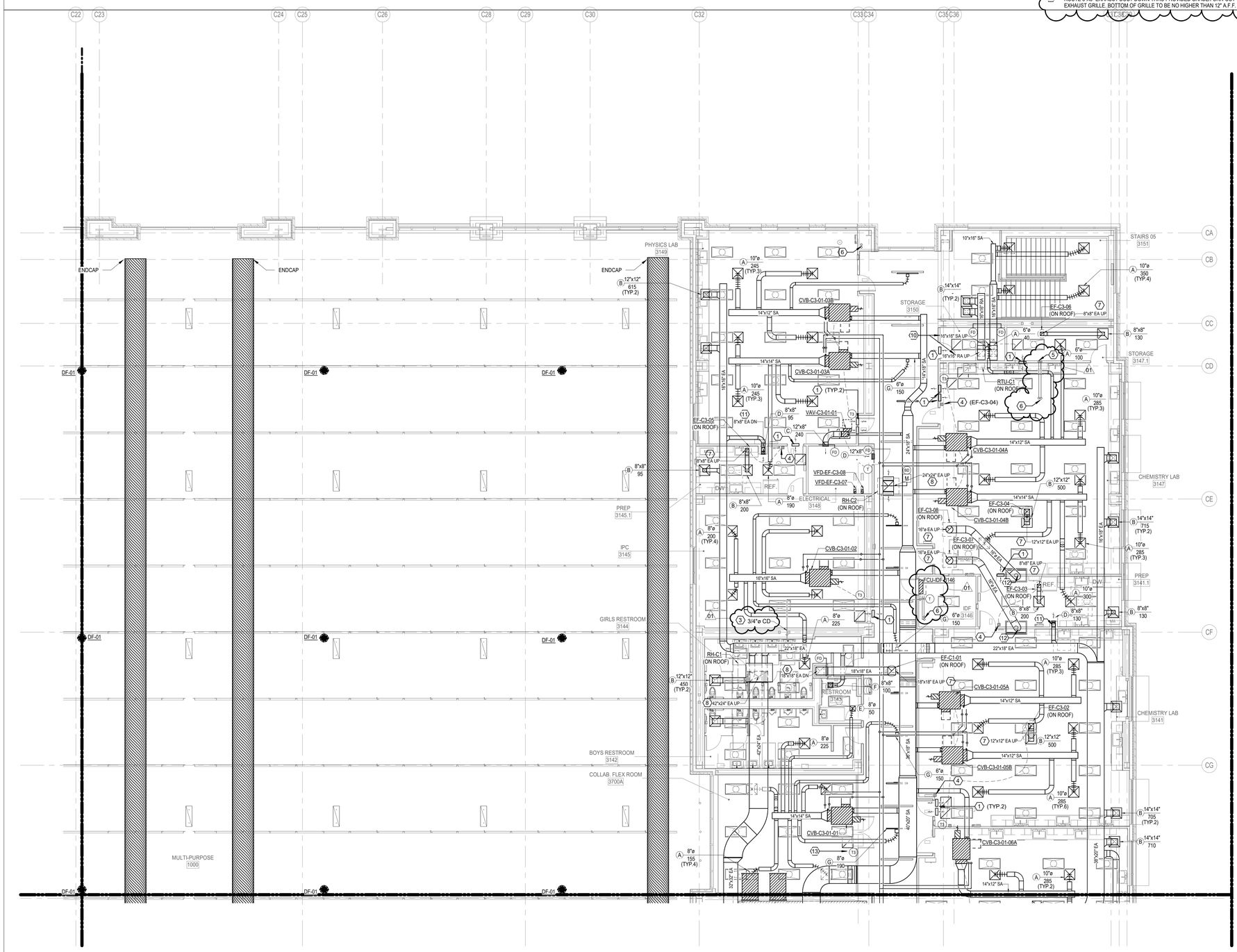
FOR BLUEBEAM LABELING/DOOR:

0"

1"

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. PROVIDE PURGE EXHAUST FAN WITH PURGE MODE BUTTON. REFER TO SEQUENCES OF OPERATIONS.
5. REFRIGERANT PIPING ROUTING FROM LEVEL BELOW. ALL OUTDOOR AND EXPOSED REFRIGERANT PIPING SHALL BE WRAPPED WITH ALUMINUM JACKET.
6. ROUTE REFRIGERANT LINES UP TO THE ROOF. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
7. ROUTE EXHAUST DUCT UP TO EXHAUST FAN ON ROOF. TRANSITION TO FAN INLET.
8. EXHAUST DUCT UP TO RELIEF HOOD ON ROOF. TRANSITION TO UNIT INLET.
9. EXHAUST DUCT ROUTED DOWN TO FLOOR BELOW. SEE M-102C FOR CONTINUATION.
10. RETURN AND SUPPLY DUCTWORK UP TO RTU. PROVIDE TRANSITIONS TO UNIT INLET.
11. ROUTE 8"X8" EXHAUST DUCT DOWN THRU PROVIDED CHASE/FURR-OUT TO LOW EXHAUST GRILLE. BOTTOM OF GRILLE TO BE NO HIGHER THAN 12" A.F.F.
12. EXHAUST DUCT DOWN TO FUME HOOD INLET. PROVIDE TRANSITIONS AS REQUIRED TO MAKE CONNECTION.
13. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.



1 **3RD FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539

ISSUE FOR PROPOSAL

Galena Park ISD
BUILDING MINDS ALL FOR ALL TIME

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

3RD FLOOR MECHANICAL PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-103C

0"
1"

3RD FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY

FLOOR PLAN

M-103D

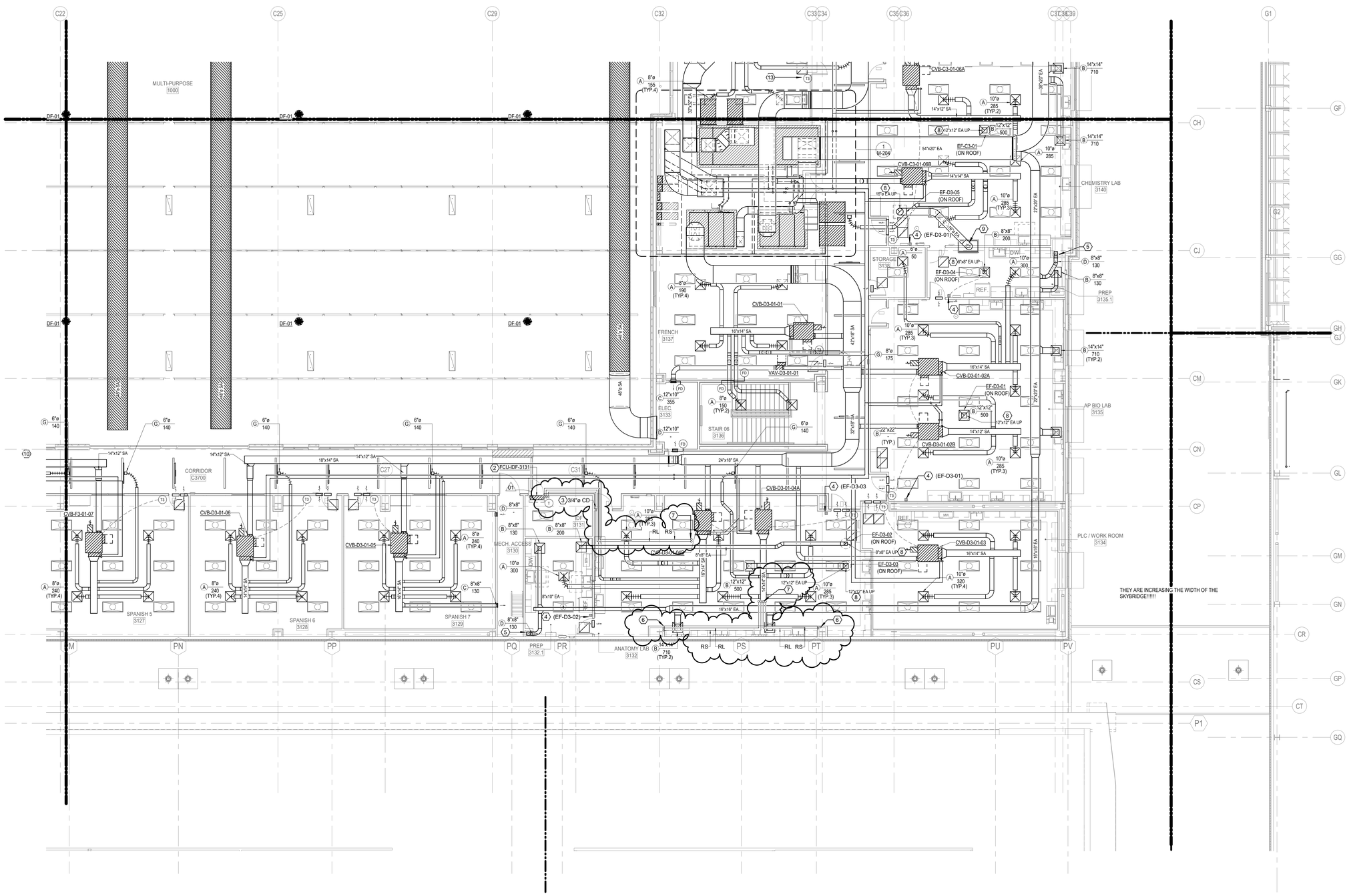
FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
3. ROUTE 3/4"Ø CONDENSATE DRAIN LINE TO NEAREST FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
4. PROVIDE PURGE EXHAUST FAN WITH PURGE MODE BUTTON. REFER TO SEQUENCES OF OPERATIONS.
5. ROUTE 8"X8" EXHAUST DUCT DOWN THRU PROVIDED CHASE/FURR-OUT TO LOW EXHAUST GRILLE. BOTTOM OF GRILLE TO BE NO HIGHER THAN +24"A.F.F.
6. REFRIGERANT PIPING ROUTING FROM LEVEL BELOW. ALL OUTDOOR AND EXPOSED REFRIGERANT PIPING SHALL BE WRAPPED WITH ALUMINUM JACKET.
7. ROUTE REFRIGERANT LINES UP TO THE ROOF. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
8. ROUTE EXHAUST DUCT UP TO EXHAUST FAN ON ROOF. TRANSITION TO FAN INLET.
9. EXHAUST DUCT DOWN TO FUME HOOD INLET. PROVIDE TRANSITIONS AS REQUIRED TO MAKE CONNECTION.

AFTER RECTANGULAR CVB TAP, TRANSITION SUPPLY AIR DUCTWORK AS SHOWN ON DETAIL 04/601.

01



1 **3RD FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

3RD FLOOR MECHANICAL PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

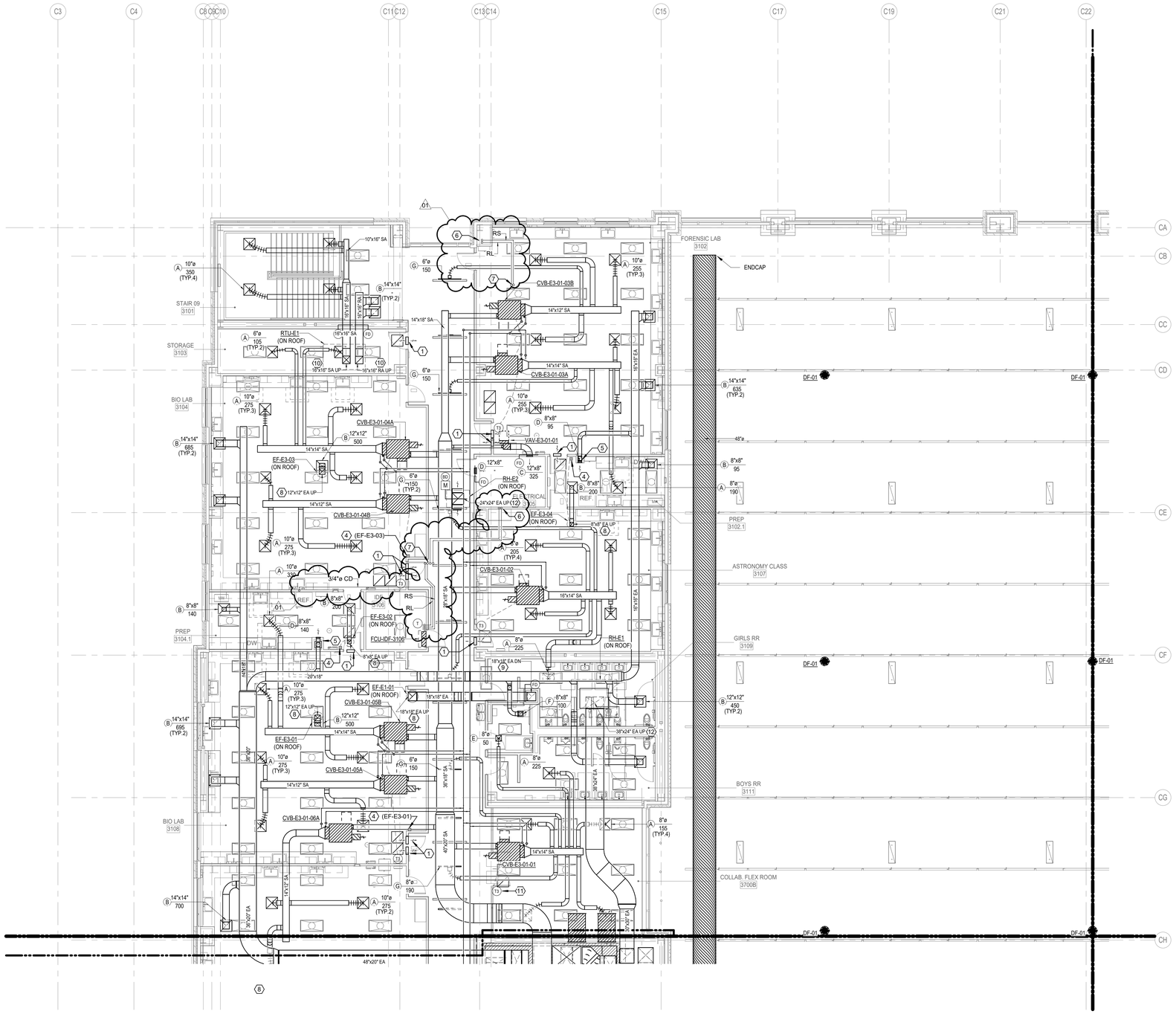
M-103D

0"
1"

3RD FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY

M-103E FLOOR PLAN

FOR BLUEBEAM LABELING/OCR:



MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
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4. PROVIDE PURGE EXHAUST FAN WITH PURGE MODE BUTTON. REFER TO SEQUENCES OF OPERATIONS.
5. ROUTE 8"x8" EXHAUST DUCT DOWN THRU PROVIDED CHASE/FURR-OUT TO LOW EXHAUST GRILLE. BOTTOM OF GRILLE TO BE NO HIGHER THAN 12" A.F.F.
6. REFRIGERANT PIPING ROUTING FROM THE LEVEL BELOW. ALL OUTDOOR AND EXPOSED REFRIGERANT PIPING SHALL BE WRAPPED WITH ALUMINUM JACKET.
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8. ROUTE EXHAUST DUCT UP TO EXHAUST FAN ON ROOF. TRANSITION TO FAN INLET.
9. EXHAUST DUCT ROUTED DOWN TO FLOOR BELOW. SEE M-102C FOR CONTINUATION.
10. RETURN AND SUPPLY DUCTWORK UP TO RTU. PROVIDE TRANSITIONS TO UNIT INLET.
11. PROVIDE SENSORS IN PROTECTIVE ENCLOSURE.
12. EXHAUST DUCT UP TO RELIEF HOOD ON ROOF. TRANSITION TO UNIT INLET.

1 3RD FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)
1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN = TRUE

STATE OF TEXAS
MITAL J. PATEL
111623
LICENSED PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

3RD FLOOR MECHANICAL PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-103E

0"
1"

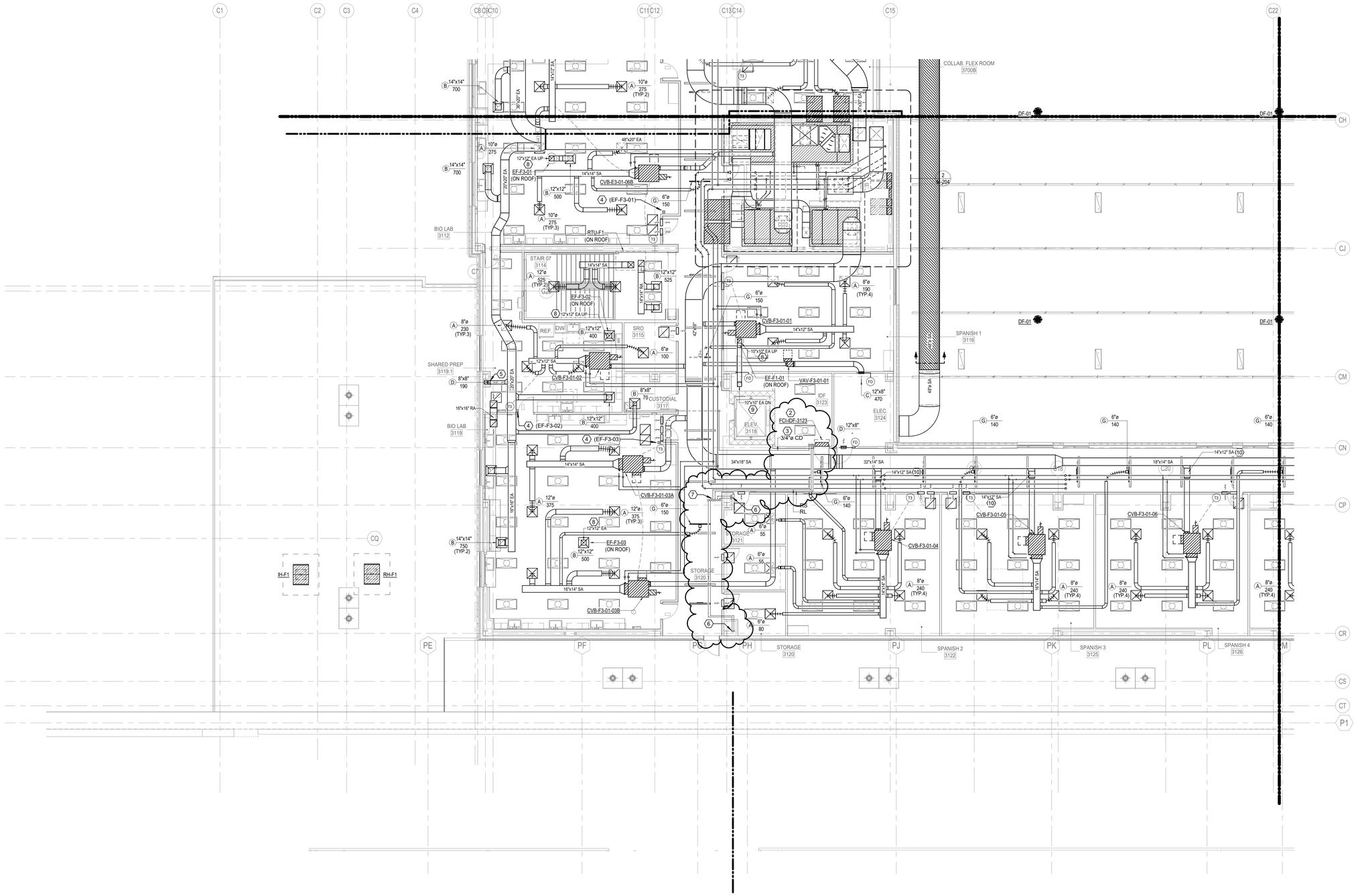
3RD FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY
FLOOR PLAN
M-103F

FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE 16"x16" RETURN AIR WALL OPENING ABOVE CEILING.
2. PROVIDE WALL MOUNTED FAN COIL UNIT. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXPOSED PIPING SHALL BE WRAPPED IN ALUMINUM JACKETING.
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4. PROVIDE PURGE EXHAUST FAN WITH PURGE MODE BUTTON. REFER TO SEQUENCES OF OPERATIONS.
5. ROUTE 8"X8" EXHAUST DUCT DOWN THRU PROVIDED CHASE/FURR-OUT TO LOW EXHAUST GRILLE. BOTTOM OF GRILLE TO BE NO HIGHER THAN 12" A.F.F.
6. REFRIGERANT PIPING ROUTING FROM LEVEL BELOW. ALL OUTDOOR AND EXPOSED REFRIGERANT PIPING SHALL BE WRAPPED WITH ALUMINUM JACKET.
7. ROUTE REFRIGERANT LINES UP TO THE ROOF. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
8. ROUTE EXHAUST DUCT UP TO EXHAUST FAN ON ROOF. TRANSITION TO FAN INLET.
9. EXHAUST DUCT ROUTED DOWN TO FLOOR BELOW. SEE M-102F FOR CONTINUATION.
10. AFTER RECTANGULAR CVB TAP, TRANSITION SUPPLY AIR DUCTWORK AS SHOWN ON DETAIL 04/601.

01



1 3RD FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE NATURALLY

F

KEY PLAN
NORTH: PLAN ≈ TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025

LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

3RD FLOOR MECHANICAL PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

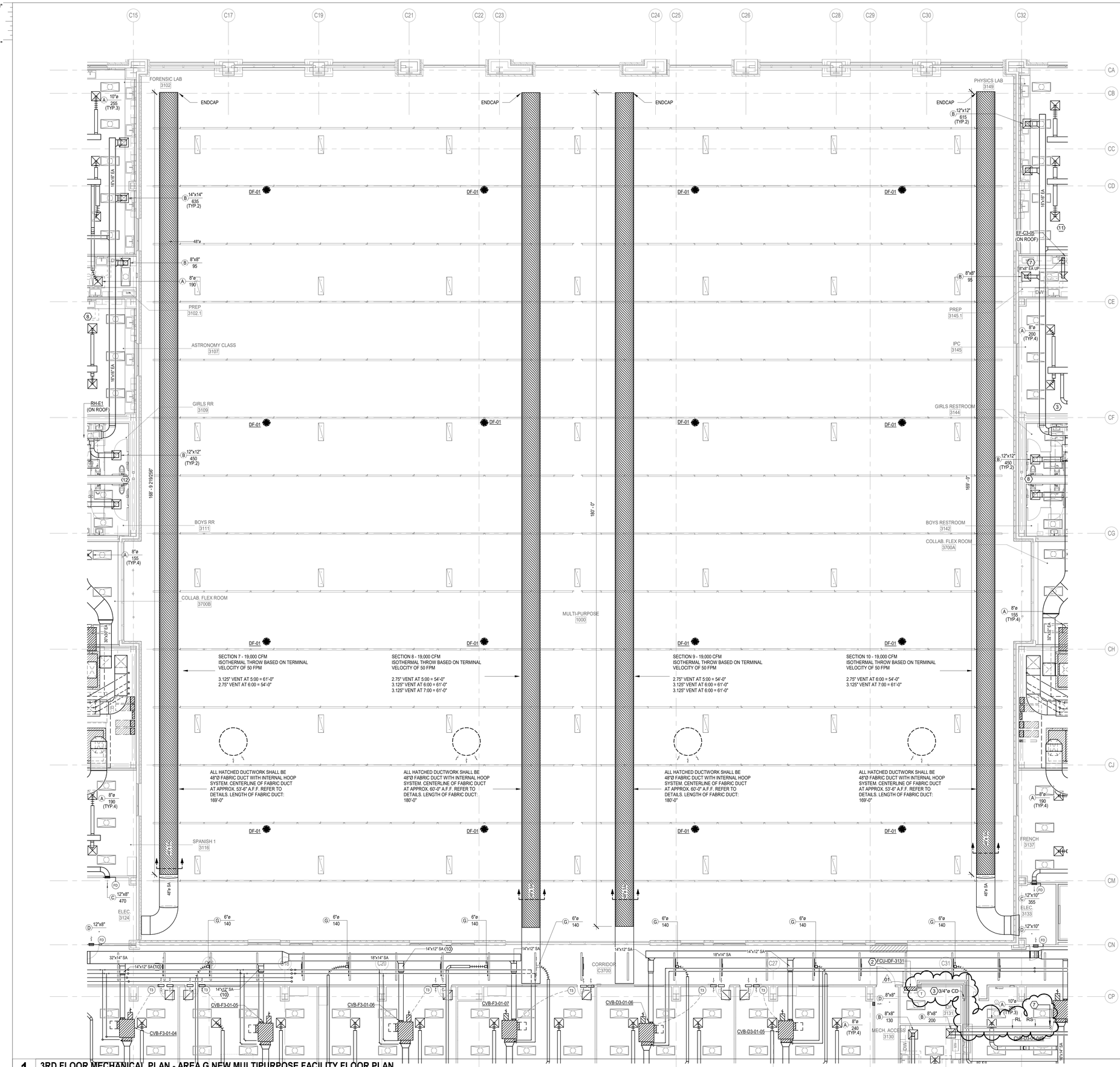
M-103F

3RD FLOOR MECHANICAL PLAN - AREA G NEW MULTIPURPOSE FACILITY

FLOOR PLAN

M-103G

FOR BLUEBEAM LABELING/OCR:



1 3RD FLOOR MECHANICAL PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN

SCALE: 1/8" = 1'-0"

MECHANICAL KEYED NOTES:

1. ROUTE...
2.
3.
4.

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539

ISSUE FOR PROPOSAL

Galena Park ISD

G

KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
12/10/2025

LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP

DRAWN BY: CT

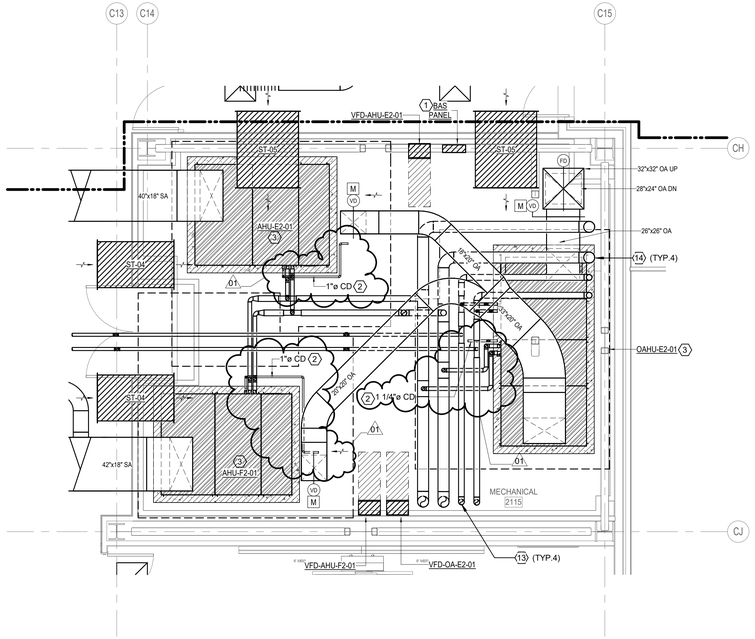
3RD FLOOR MECHANICAL PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN

M-103G

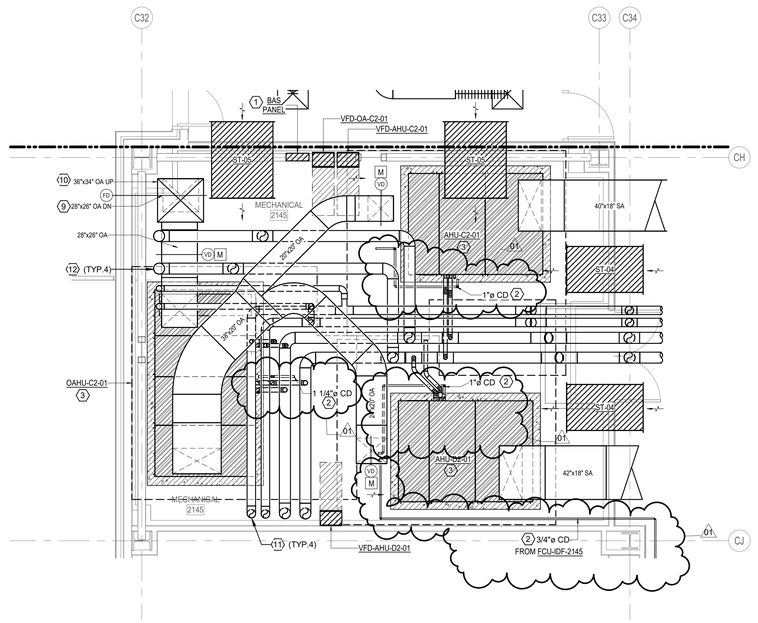
Plot Stamp:
12/10/2025 6:57:08 PM

ENLARGED MECHANICAL PLAN
M-203
FOR BLUEBEAM LABELING/OCR:

0"
1"



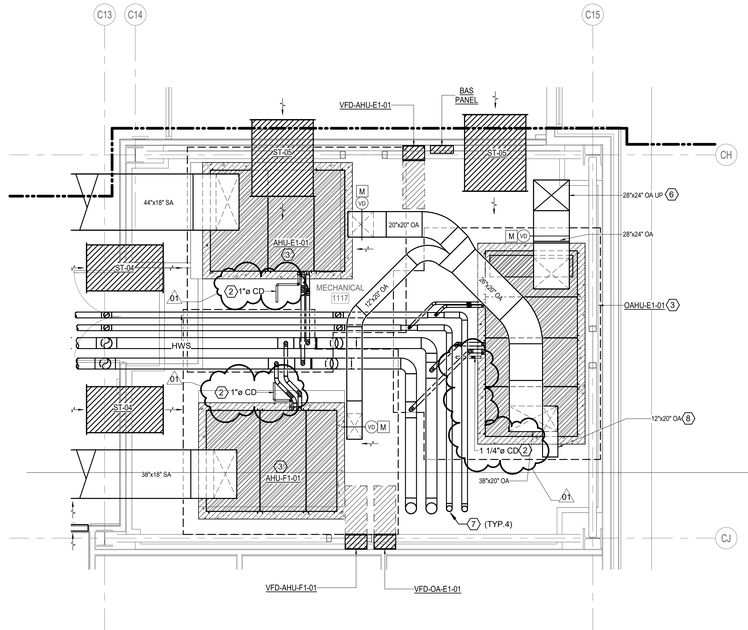
4 2ND FLOOR MPF ENLARGED MECHANICAL ROOM (2115)
1/4" = 1'-0"



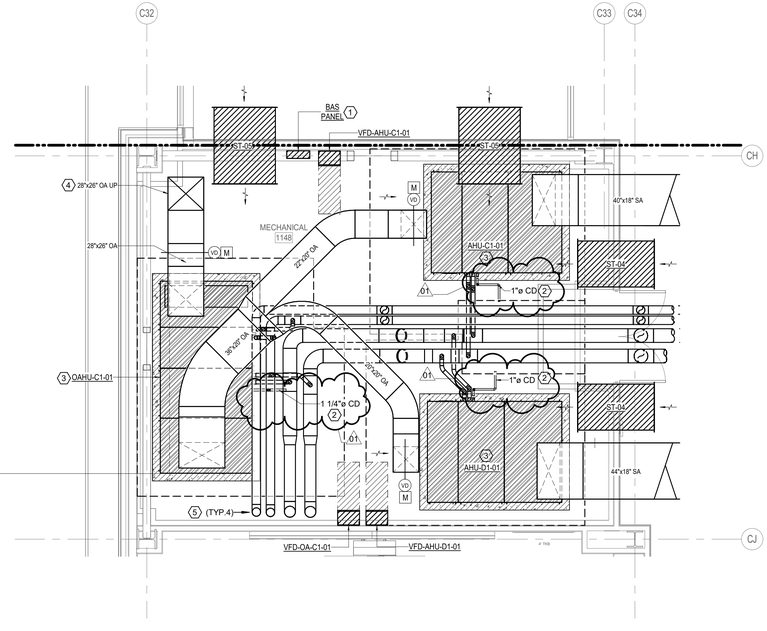
3 2ND FLOOR MPF ENLARGED MECHANICAL ROOM (2145)
1/4" = 1'-0"

MECHANICAL KEYED NOTES:

1. PROPOSED LOCATION OF DDC PANEL. COORDINATE FINAL LOCATION WITH EMCS CONTRACTOR.
2. ROUTE CONDENSATE DRAIN SIZED AS SHOWN TO NEAREST FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
3. PROVIDE 6" TALL HOUSE KEEPING PAD EXTENDING 6" BEYOND UNIT FOOTPRINT.
4. OUTSIDE AIR DUCT UP TO LEVEL ABOVE. SEE 3:M-203 FOR DUCTWORK CONTINUATION.
5. CHS/R AND HWS/R UP TO LEVEL ABOVE. SEE 3:M-203 FOR CONTINUATION.
6. OUTSIDE AIR DUCT UP TO LEVEL ABOVE. SEE 4:M-203 FOR DUCTWORK CONTINUATION.
7. CHS/R AND HWS/R UP TO LEVEL ABOVE. SEE 4:M-203 FOR CONTINUATION.
8. 12"X20" OUTSIDE AIR DUCT TO SERVE TEMPORARY ADMIN SPACES IN SEPARATE PACKAGE. REFER TO TEMPORARY ADMIN SPACE PACKAGE FOR CONTINUATION.
9. OUTSIDE AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE 1:M-203 FOR DUCTWORK CONTINUATION.
10. OUTSIDE AIR DUCT UP TO LEVEL ABOVE. SEE 1:M-204 FOR DUCTWORK CONTINUATION.
11. CHS/R AND HWS/R DOWN TO LEVEL BELOW. SEE 1:M-203 FOR CONTINUATION.
12. CHS/R AND HWS/R UP TO LEVEL ABOVE. SEE 1:M-204 FOR CONTINUATION.
13. CHS/R AND HWS/R DOWN TO LEVEL BELOW. SEE 2:M-203 FOR CONTINUATION.
14. CHS/R AND HWS/R UP TO LEVEL ABOVE. SEE 2:M-204 FOR CONTINUATION.



2 1ST FLOOR MPF ENLARGED MECHANICAL ROOM (1117
1/4" = 1'-0"



1 1ST FLOOR MPF ENLARGED MECHANICAL ROOM (1148)
1/4" = 1'-0"

Plot Stamp:
12/10/2025 6:57:09 PM

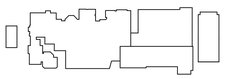
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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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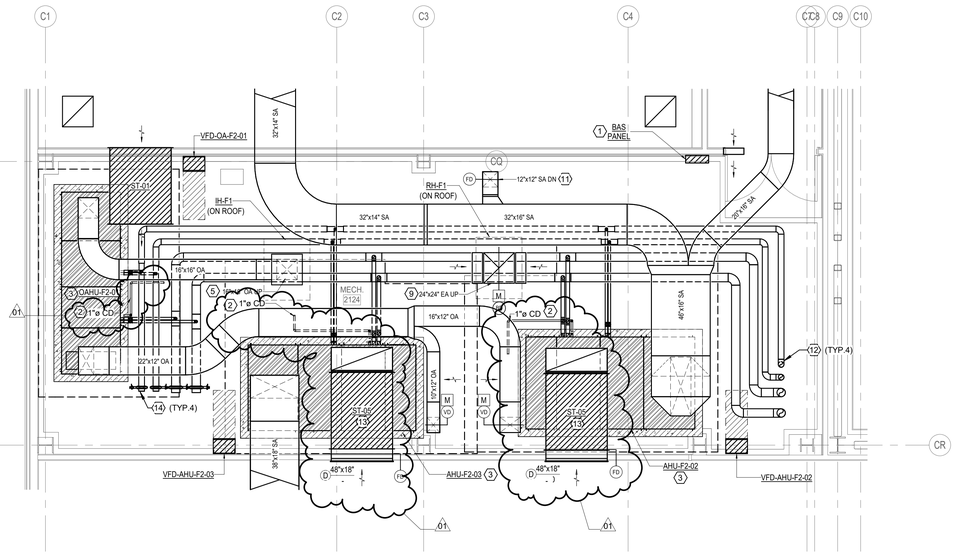
CHECKED BY: MP
DRAWN BY: CT

ENLARGED MECHANICAL PLAN

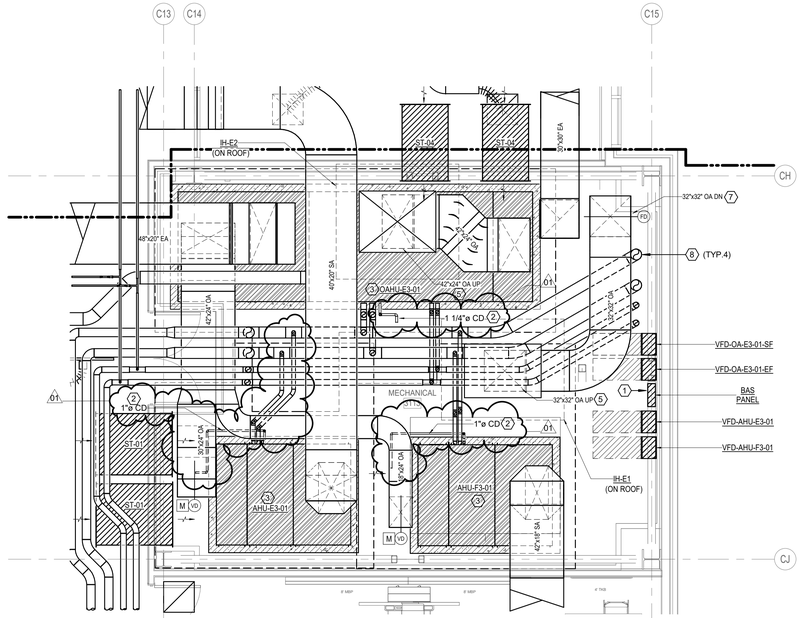
M-203

ENLARGED MECHANICAL PLAN
M-204
FOR BLUEBEAM LABELING/OCR:

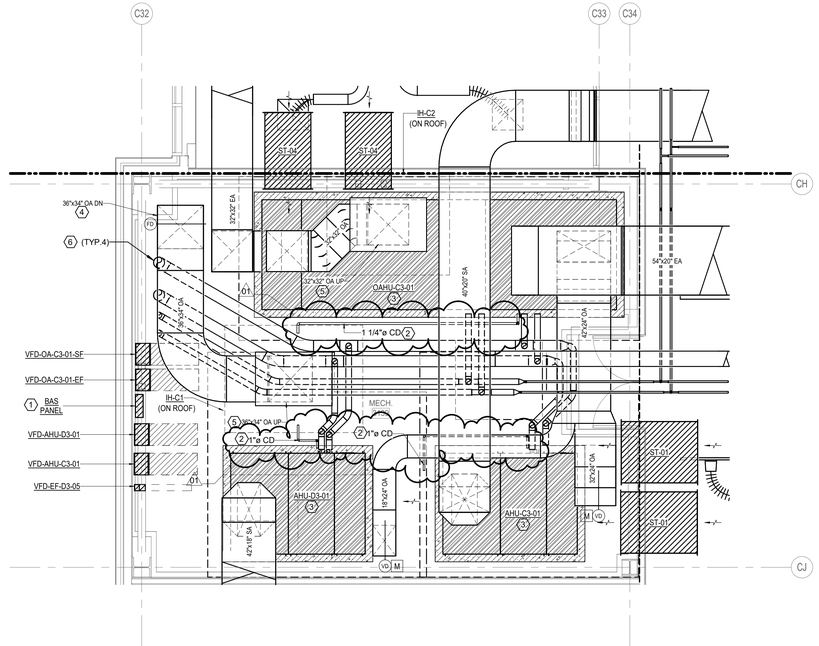
0"
1"



3 2ND FLOOR MPF ENLARGED MECHANICAL ROOM (2124)
1/4" = 1'-0"



2 3RD FLOOR MPF ENLARGED MECHANICAL ROOM (3113)
1/4" = 1'-0"



1 3RD FLOOR MPF ENLARGED MECHANICAL ROOM (3139)
1/4" = 1'-0"

MECHANICAL KEYED NOTES:

01

1. PROPOSED LOCATION OF DDC PANEL. COORDINATE FINAL LOCATION WITH EMCS CONTRACTOR.
2. ROUTE CONDENSATE DRAIN SIZED AS SHOWN TO NEAREST FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
3. PROVIDE 6" TALL HOUSE KEEPING PAD EXTENDING 6" BEYOND UNIT FOOTPRINT.
4. OUTSIDE AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE 3/M-203 FOR DUCTWORK CONTINUATION.
5. OUTSIDE AIR DUCT ROUTED UP THROUGH ROOF TO INTAKE HOOD. TRANSITION TO UNIT INLET.
6. CHS/R AND HWS/R DOWN TO LEVEL BELOW. SEE 3/M-203 FOR CONTINUATION.
7. OUTSIDE AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE 4/M-203 FOR DUCTWORK CONTINUATION.
8. CHS/R AND HWS/R DOWN TO LEVEL BELOW. SEE 4/M-203 FOR CONTINUATION.
9. EXHAUST AIR DUCT ROUTED UP THROUGH ROOF TO RELIEF HOOD. TRANSITION TO UNIT INLET.
10. CHS/R AND HWS/R DOWN TO LEVEL BELOW. SEE 4/M-203 FOR CONTINUATION.
11. SUPPLY AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE M-101F FOR DUCTWORK CONTINUATION.
12. CHS/R AND HWS/R DOWN TO LEVEL BELOW. SEE M-101F FOR CONTINUATION.
13. CONNECT SOUND TRAP TO RETURN AIR GRILLE AS SHOWN. CONNECT 48"x18" INTERNALLY LINED RETURN AIR ELBOW TO SOUND TRAP AS SHOWN. INTERNALLY LINED RETURN ELBOW TO OPEN UPWARDS. ALL DIMENSIONS SHOWN ARE CLEAR INNER DIMENSIONS.
14. TERMINATE CHS/R AND HWS/R PIPING WITH BUTTERFLY VALVE AND BLIND FLANGE FOR FUTURE CONNECTION. SEE PIPING DIAGRAM FOR MORE DETAILS.

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18572

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

ENLARGED MECHANICAL PLAN

M-204

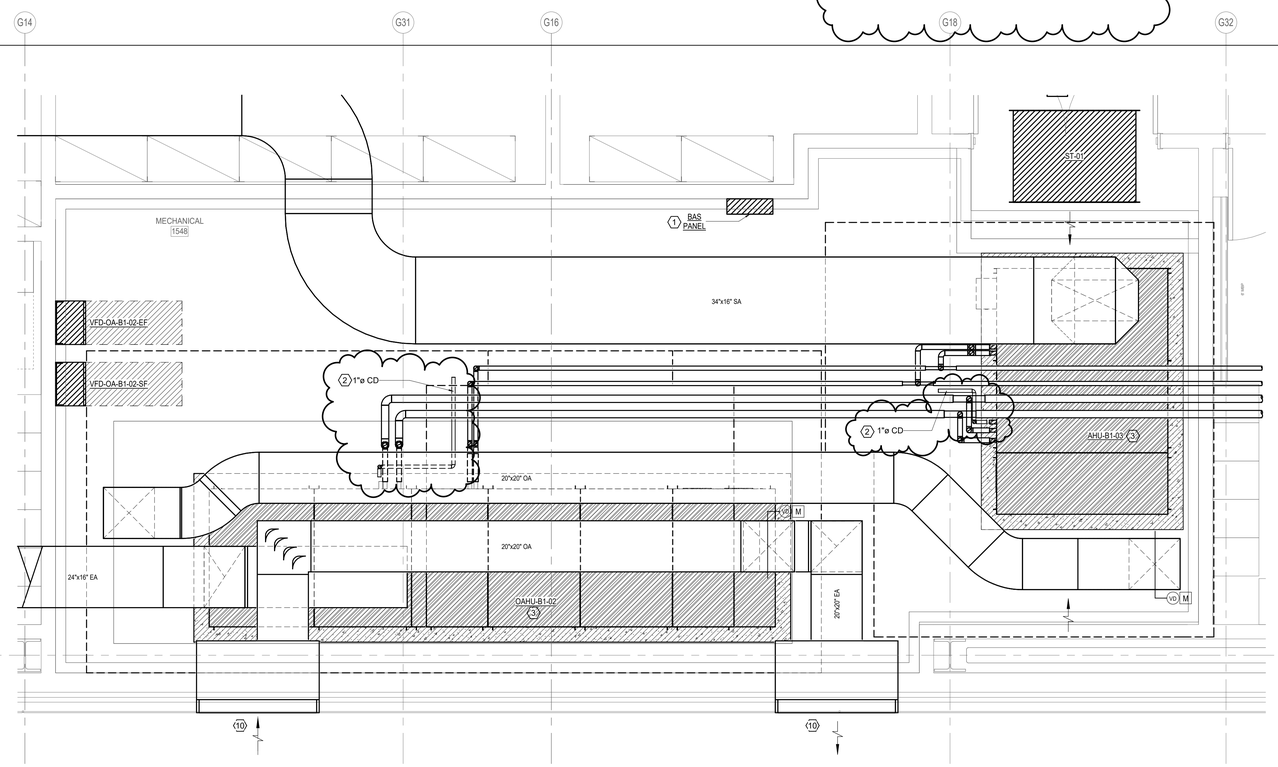
Plot Stamp:
12/10/2025 6:57:11 PM

0"
1"

ENLARGED MECHANICAL PLAN
M-205
FOR BLUEBEAM LABELING/OCR:

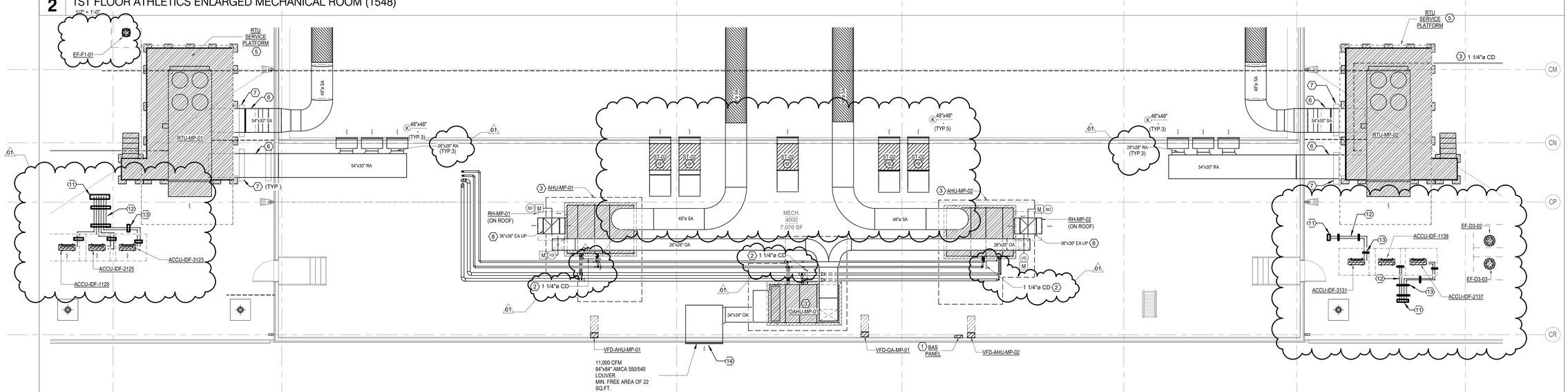
MECHANICAL KEYED NOTES:

1. PROPOSED LOCATION OF DDC PANEL. COORDINATE FINAL LOCATION WITH EMCS CONTRACTOR.
2. ROUTE CONDENSATE DRAIN LINE SIZED AS SHOWN TO NEAREST FLOOR DRAIN. REFER PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
3. PROVIDE 6" TALL HOUSE KEEPING PAD EXTENDING 6" BEYOND UNIT FOOTPRINT.
4. ROUTE CONDENSATE TO DRAIN LINE SIZED AS SHOWN TO NEAREST ROOF DRAIN. REFER PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
5. CUSTOM ELEVATED MODULAR SERVICE PLATFORM MANUFACTURED BY PHP SYSTEMS DESIGN AND INSTALLED BY THE MECHANICAL CONTRACTOR. REFER TO SPECIFICATION 23 05 29; 2.13 ELEVATED MODULAR SERVICE PLATFORM WITH STAIRS FOR FURTHER REQUIREMENTS
6. REFER TO METAL DUCT SPECIFICATION FOR OUTDOOR DUCTWORK REQUIREMENTS.
7. PROVIDE PORTABLE DUCT SUPPORT IN MAXIMUM 5'-0" INTERVALS
8. EXHAUST AIR DUCT ROUTED UP THROUGH ROOF TO RELIEF HOOD. TRANSITION TO UNIT INLET.
9. CONNECT SOUND TRAP TO RETURN AIR GRILLE AS SHOWN. CONNECT INTERNALLY LINED RETURN AIR 48"x48" ELBOW TO SOUND TRAP AS SHOWN. INTERNALLY LINED RETURN ELBOW TO OPEN UPWARDS. ALL DIMENSIONS SHOWN ARE CLEAR INNER DIMENSIONS.
10. PROVIDE AMCA 550 AND 540 LOUVER WITH MINIMUM FREE AREA OF 5.6 SQ. FT. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
11. PROVIDE STAINLESS STEEL HOODED CURB AT ROOF PENETRATION. REFER TO ARCHITECTURAL DRAWING.
12. ALL EXPOSED AND OUTDOOR LIQUID AND SUCTION LINES SHALL BE WRAPPED WITH ALUMINUM JACKETING.
13. PROVIDE PORTABLE PIPE SUPPORTS FOR PIPING IN MAX. HORIZONTAL SPACING OF 5'-0".
14. PROVIDE AMCA 550 AND 540 LOUVER WITH MINIMUM FREE AREA OF 22 SQ.FT. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.



2 1ST FLOOR ATHLETICS ENLARGED MECHANICAL ROOM (1548)

1/2" = 1'-0"



1 ENLARGED MECHANICAL ROOM (4000)

1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
GALENA PARK ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
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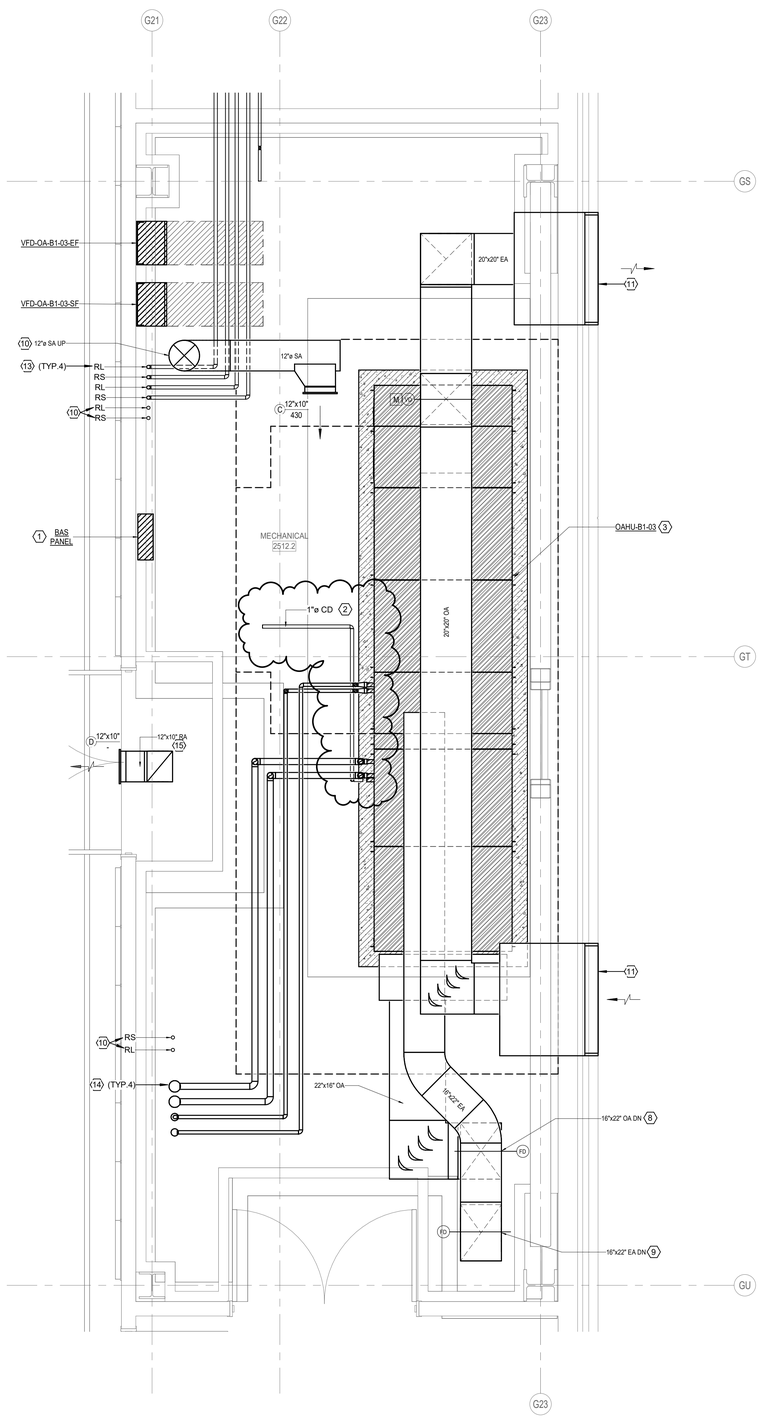
CHECKED BY: MP
DRAWN BY: CT

ENLARGED MECHANICAL PLAN

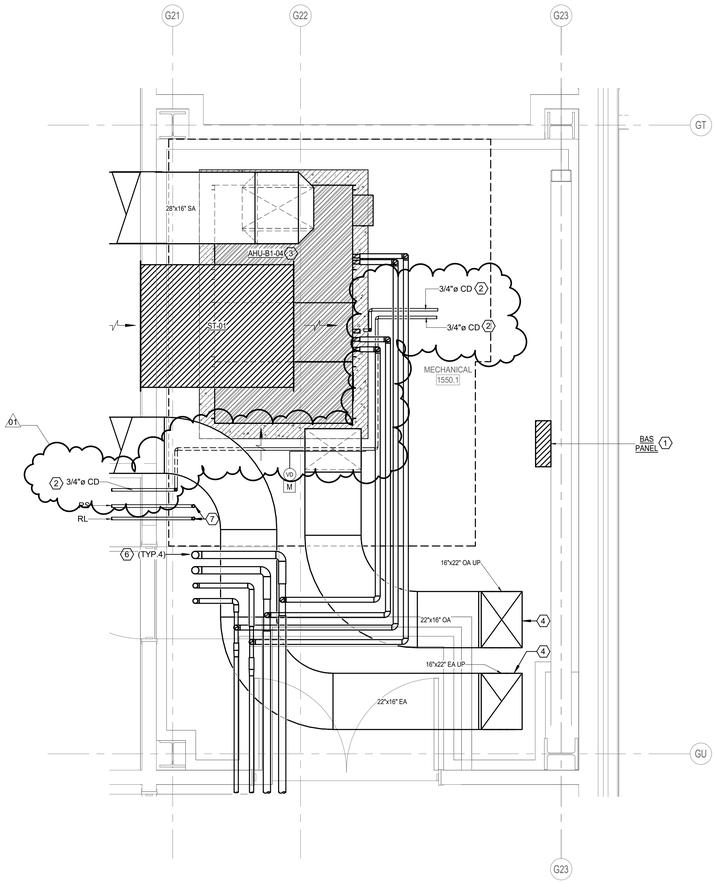
M-205

ENLARGED MECHANICAL PLAN
M-206
FOR BLUEBEAM LABELING/OCR:

0"
1"



2 2ND FLOOR ATHLETICS ENLARGED MECHANICAL ROOM (2512.2)
1/2" = 1'-0"



1 1ST FLOOR ATHLETICS ENLARGED MECHANICAL ROOM (1550.1)
1/2" = 1'-0"

MECHANICAL KEYED NOTES:

01

1. PROPOSED LOCATION OF DDC PANEL. COORDINATE FINAL LOCATION WITH EMCS CONTRACTOR.
2. ROUTE CONDENSATE DRAIN SIZED AS SHOWN TO NEAREST FLOOR DRAIN. REFER PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
3. PROVIDE 6" TALL HOUSE KEEPING PAD EXTENDING 6" BEYOND UNIT FOOTPRINT.
4. OUTSIDE AIR DUCT UP TO LEVEL ABOVE. SEE 02:M-206 FOR DUCTWORK CONTINUATION.
5. EXHAUST AIR DUCT UP TO LEVEL ABOVE. SEE 02:M-206 FOR DUCTWORK CONTINUATION.
6. CHS/R AND HWS/R PIPING UP TO LEVEL ABOVE. SEE 02:M-206 FOR CONTINUATION.
7. ROUTE REFRIGERANT LINES UP TO FLOOR ABOVE. SEE 02:M-206 FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
8. OUTSIDE AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE 1:M-206 FOR DUCTWORK CONTINUATION.
9. EXHAUST AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE 1:M-206 FOR DUCTWORK CONTINUATION.
10. SUPPLY AIR DUCT UP TO LEVEL ABOVE. SEE M-208 FOR DUCTWORK CONTINUATION.
11. PROVIDE AMCA 550 AND 540 LOUVER WITH MINIMUM FREE AREA OF 4.8 SQ. FT. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATION FOR MORE INFORMATION.
12. REFRIGERANT LINES FROM FLOOR BELOW UP TO FLOOR ABOVE. SEE 01:M-206 AND M:208 FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
13. ROUTE REFRIGERANT LINES UP TO FLOOR ABOVE. SEE 02:M-208 FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
14. CHS/R AND HWS/R PIPING FROM FLOOR ABOVE TO FLOOR BELOW. SEE 01:M-206 AND M-208 FOR CONTINUATION.
15. PROVIDE INTERNALLY LINED AIR TRANSFER DUCT. DIMENSIONS SHOWN ARE CLEAR INNER DIMENSIONS.

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

ENLARGED MECHANICAL PLAN

M-206

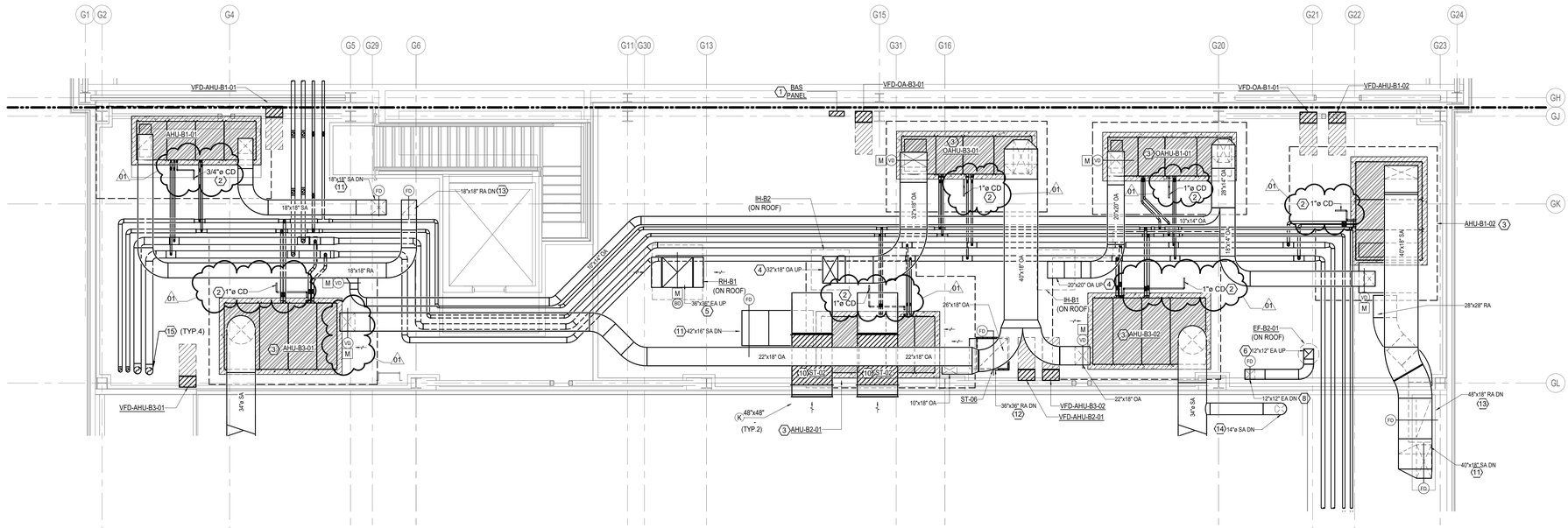
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ENLARGED MECHANICAL PLAN
M-207
FOR BLUEBEAM LABELING/OCR:

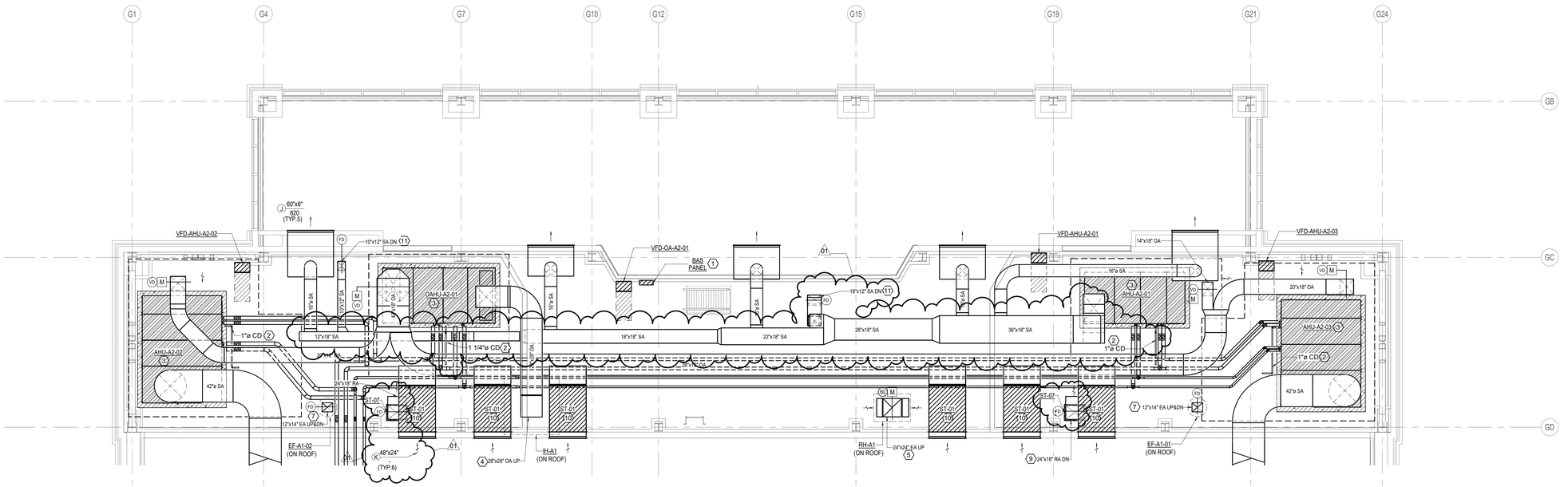
0"
1"

MECHANICAL KEYED NOTES:

1. PROPOSED LOCATION OF DDC PANEL. COORDINATE FINAL LOCATION WITH EMCS CONTRACTOR.
2. ROUTE CONDENSATE DRAIN SIZED AS SHOWN TO NEAREST FLOOR DRAIN. REFER PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
3. PROVIDE 6" TALL HOUSE KEEPING PAD EXTENDING 6" BEYOND UNIT FOOTPRINT.
4. OUTSIDE AIR DUCT ROUTED UP THROUGH ROOF TO INTAKE HOOD. TRANSITION TO UNIT INLET.
5. EXHAUST AIR DUCT ROUTED UP THROUGH ROOF TO RELIEF HOOD. TRANSITION TO UNIT INLET.
6. EXHAUST AIR DUCT ROUTED UP THROUGH ROOF TO EXHAUST FAN. TRANSITION TO UNIT INLET.
7. EXHAUST AIR DUCT ROUTED UP THROUGH MECHANICAL ROOM FLOOR TO EXHAUST FAN LOCATED ON ROOF. PROVIDE FIRE DAMPER AT FLOOR PENETRATION AND TRANSITIONS AS REQUIRED TO EXHAUST FAN. SEE M-101A FOR DUCTWORK CONTINUATION BELOW.
8. EXHAUST AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE M-101A FOR DUCTWORK CONTINUATION BELOW.
9. 24"X18" INTERNALLY LINED RETURN AIR DUCT TO ROUTE DOWN THRU SLAB. PROVIDE FIRE DAMPER AT SLAB PENETRATION. INSTALL VERTICAL SOUND TRAP ABOVE. INTERNALLY LINED RETURN AIR DUCT. INSTALL INTERNALLY LINED 24"x18" RETURN AIR ELBOW TO THE TOP OF VERTICAL SOUND TRAP. ALL DIMENSIONS SHOWN ARE CLEAR INNER DIMENSIONS.
10. CONNECT SOUND TRAP TO RETURN AIR GRILLE AS SHOWN. CONNECT INTERNALLY LINED RETURN AIR ELBOW TO SOUND TRAP AS SHOWN. INTERNALLY LINED RETURN ELBOW TO OPEN UPWARDS. ALL DIMENSIONS SHOWN ARE CLEAR INNER DIMENSIONS.
11. SUPPLY AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE M-102A FOR DUCTWORK CONTINUATION.
12. 36"x36" INTERNALLY LINED RETURN AIR DUCT TO ROUTE DOWN THRU SLAB. PROVIDE FIRE DAMPER AT SLAB PENETRATION. INSTALL VERTICAL SOUND TRAP ABOVE INTERNALLY LINED RETURN AIR DUCT. INSTALL INTERNALLY LINED RETURN AIR ELBOW TO TOP OF VERTICAL SOUND TRAP. ALL DIMENSIONS SHOWN ARE CLEAR INNER DIMENSIONS.
13. RETURN AIR DUCT DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE M-102A FOR DUCTWORK CONTINUATION.
14. SUPPLY AIR DUCT DOWN TO LOWER ELEVATION. SEE M-101B FOR CONTINUATION
15. CHS/R AND HWS/R PIPING UP FROM LEVEL BELOW. SEE M-101B FOR CONTINUATION.



2 3RD FLOOR ATHLETICS ENLARGED MECHANICAL ROOM (1650.1)
SCALE: 3/16" = 1'-0"



1 2ND FLOOR ATHLETICS ENLARGED MECHANICAL ROOM (2500)
SCALE: 3/16" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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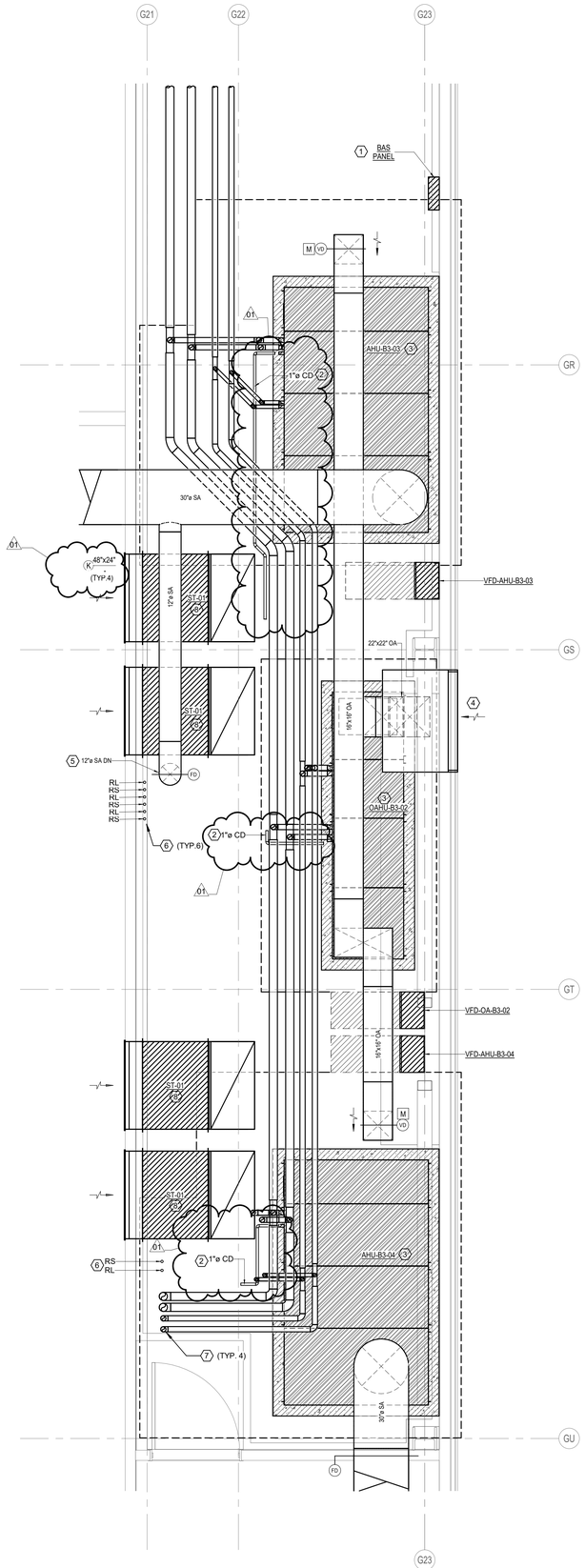
CHECKED BY: MP
DRAWN BY: CT

ENLARGED MECHANICAL PLAN

M-207

0"
1"

ENLARGED MECHANICAL PLAN
M-208
FOR BLUEBEAM LABELING/OCR:



MECHANICAL KEYED NOTES:

1. PROPOSED LOCATION OF DDC PANEL. COORDINATE FINAL LOCATION WITH EMCS CONTRACTOR.
2. ROUTE CONDENSATE DRAIN SIZED AS SHOWN TO NEAREST FLOOR DRAIN. REFER PLUMBING DRAWINGS FOR EXACT DRAIN LOCATION.
3. PROVIDE 6" TALL HOUSE KEEPING PAD EXTENDING 6" BEYOND UNIT FOOTPRINT.
4. PROVIDE AMCA 550 AND 540 LOUVER WITH MINIMUM FREE AREA OF 6.4 SQ. FT. REFER TO ARCH DRAWINGS AND SPECS FOR ADDITIONAL DETAILS
5. ROUTE DUCTWORK DOWN TO LEVEL BELOW. PROVIDE FIRE DAMPER AT PENETRATION. FOR DUCTWORK CONTINUATION, SEE M-206
6. ROUTE REFRIGERANT LINES FROM FLOOR BELOW TO ROOF. SEE M-206 AND M-301 FOR CONTINUATION. SIZE PER MANUFACTURER'S RECOMMENDATION. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED AND OUTDOOR PIPING. FOR VERTICAL REFRIGERANT LINES, PROVIDES SUPPORTS AT MAXIMUM 3' INTERVALS.
7. ROUTE CHS/R AND HWS/R PIPING DOWN THRU SLAB TO FLOOR BELOW. SEE M-206 FOR CONTINUATION.
8. CONNECT SOUND TRAP TO RETURN AIR GRILLE AS SHOWN. CONNECT INTERNALLY LINED RETURN AIR ELBOW TO SOUND TRAP AS SHOWN. INTERNALLY LINED RETURN ELBOW TO OPEN UPWARDS. ALL DIMENSIONS SHOWN ARE CLEAR INNER DIMENSIONS.

01

1 **3RD FLOOR ATHLETICS ENLARGED MECHANICAL ROOM (1650.2)**
SCALE: 3/8" = 1'-0"

Plot Stamp:
12/10/2025 6:57:16 PM

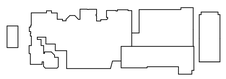
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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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Galena Park ISD



KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

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DRAWN BY: CT

ENLARGED MECHANICAL PLAN

M-208

0"
1"

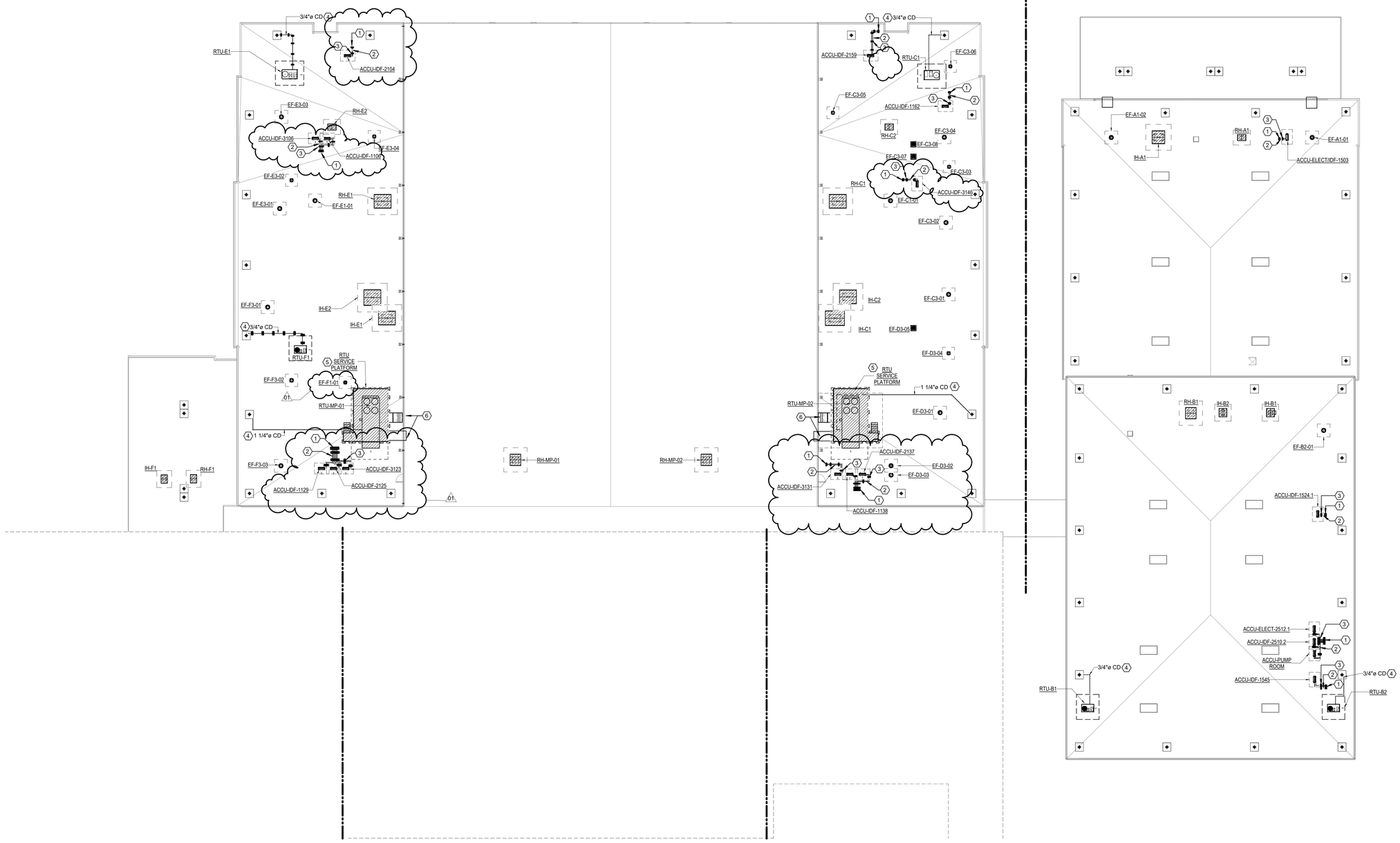
MECHANICAL ROOF PLAN - NEW GYM & MULTIPURPOSE FACILITY OVERALL FLOOR PLAN

M-301

FOR BLUEBEAM LABELING/OCR:

MECHANICAL KEYED NOTES:

1. PROVIDE STAINLESS STEEL HOODED CURB AT ROOF PENETRATION. REFER TO ARCHITECTURAL DRAWING.
2. ALL EXPOSED AND OUTDOOR LIQUID AND SUCTION LINES SHALL BE WRAPPED WITH ALUMINUM JACKETING.
3. PROVIDE PORTABLE PIPE SUPPORTS FOR PIPING IN MAX. HORIZONTAL SPACING OF 5'-0".
4. ROUTE CONDENSATE DRAIN LINE SIZED AS SHOWN TO NEAREST ROOF DRAIN.
5. CUSTOM ELEVATED MODULAR SERVICE PLATFORM MANUFACTURED BY PHP SYSTEMS DESIGN AND INSTALLED BY THE MECHANICAL CONTRACTOR. REFER TO SPECIFICATION 23 05 29, 2.13 ELEVATED MODULAR SERVICE PLATFORM WITH STAIRS FOR FURTHER REQUIREMENTS
6. FOR RTU DUCTWORK, REFER TO M-205



1 **MECHANICAL ROOF PLAN**
SCALE: 1" = 20'-0"

Plot Stamp:
12/10/2025 6:57:19 PM

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Galena Park, TX 77547
CLIENT PROJECT NO: 240539

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

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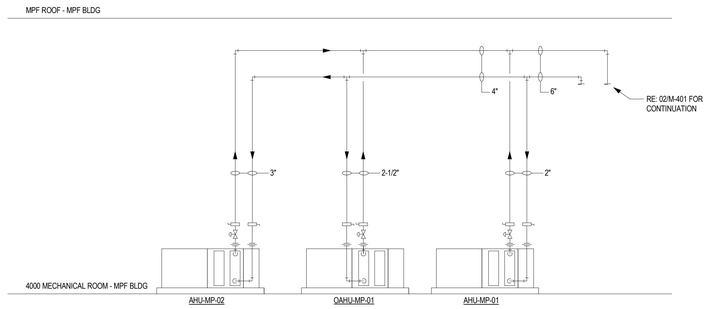
CHECKED BY: MP
DRAWN BY: CT

MECHANICAL ROOF PLAN - NEW GYM & MULTIPURPOSE FACILITY OVERALL FLOOR PLAN

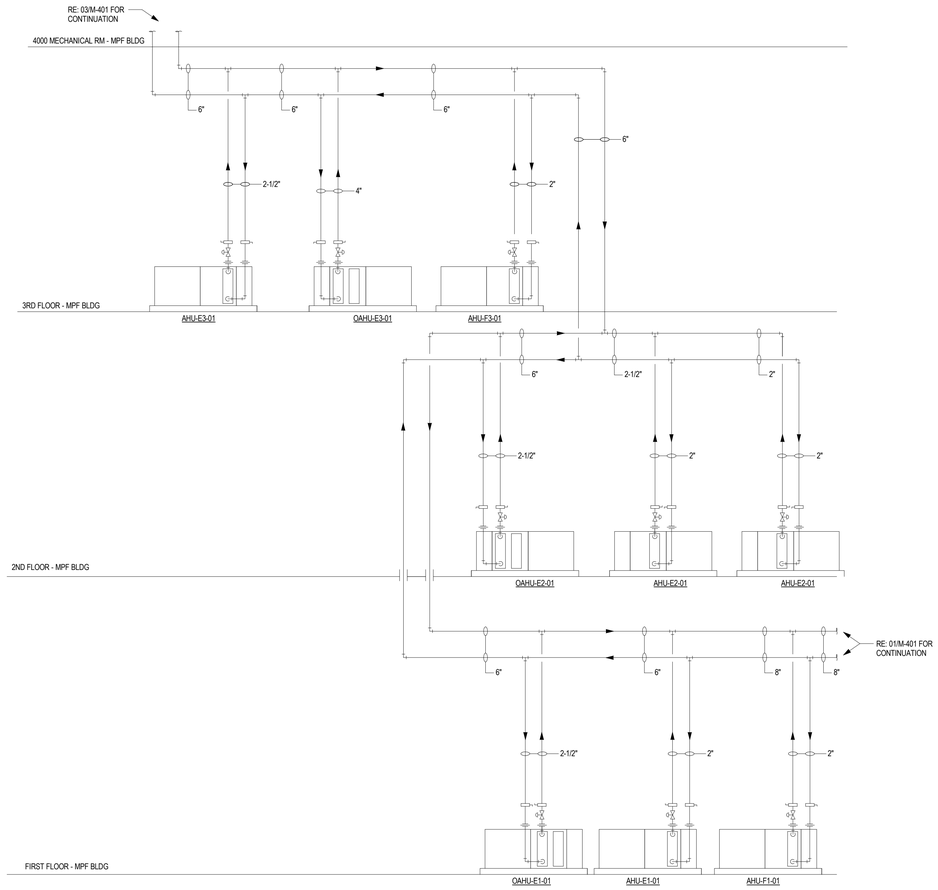
M-301

MECHANICAL PIPING DIAGRAM
M-401
FOR BLUEBEAM LABELING/OCR:

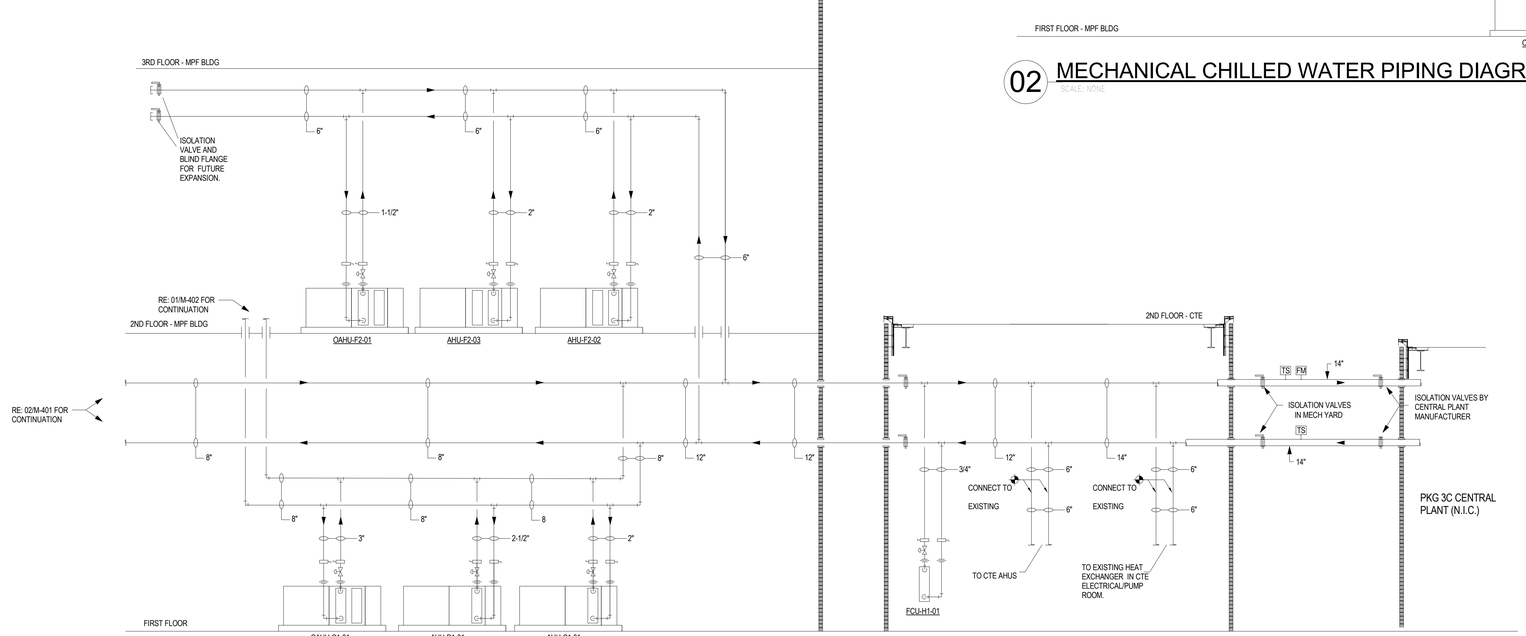
0"
1"



03 MECHANICAL CHILLED WATER PIPING DIAGRAM
SCALE: NONE



02 MECHANICAL CHILLED WATER PIPING DIAGRAM
SCALE: NONE



01 MECHANICAL CHILLED WATER PIPING DIAGRAM
SCALE: NONE

Plot Stamp:
12/10/2025 6:57:19 PM

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TX FIRM: BR 1608
HOUSTON, TX
713-366-0608

LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE IN ALL FOCAL AREAS

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
GALENA PARK ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

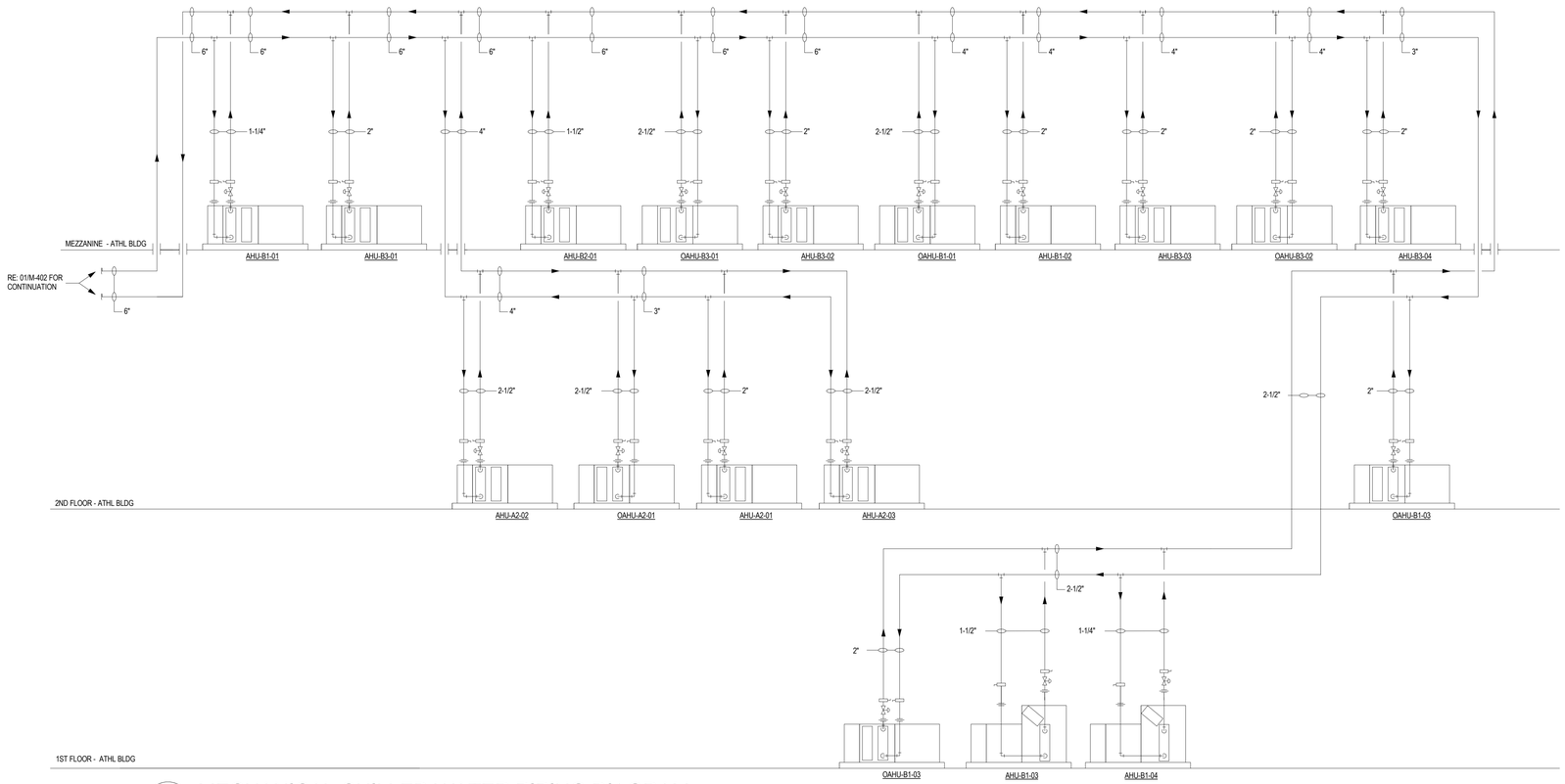
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MECHANICAL PIPING DIAGRAM

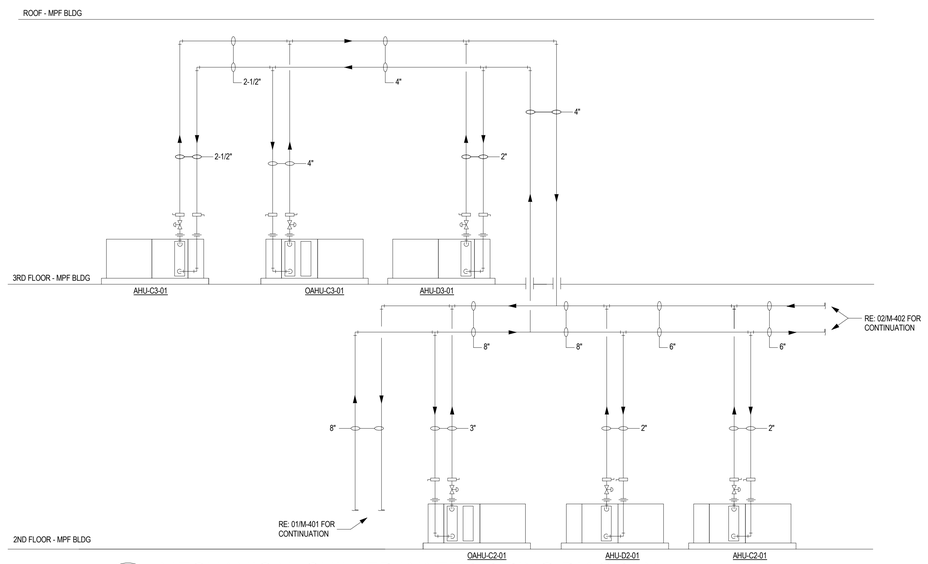
M-401

MECHANICAL PIPING DIAGRAM
M-402
FOR BLUEBEAM LABELING/OCR:

0"
1"



02 MECHANICAL CHILLED WATER PIPING DIAGRAM
SCALE: NONE



01 MECHANICAL CHILLED WATER PIPING DIAGRAM
SCALE: NONE

Plot Stamp:
12/10/2025 6:57:20 PM

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547
CLIENT PROJECT NO: 240539
ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE IN ALL FORMS OF LEARNING

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
MITAL J. PATEL
111622
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-19572

CLIENT	
GALENA PARK ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
01	ADD 01	2025/12/10

CHECKED BY: MP
DRAWN BY: CT

01

MECHANICAL PIPING DIAGRAM

M-402

0"
1"

MECHANICAL SCHEDULES
M-503
FOR BLUEBEAM LABELING/DOCR:

SERIES FAN-POWERED AIR TERMINAL UNITS WITH HOT WATER HEAT SCHEDULE

TAG	INLET SIZE	COOLING CFM		STATIC PRESSURE		HOT WATER HEATING COIL						VOLTAGE (V/PH/HZ)	MANUFACTURER	MODEL
		MAX	MIN	INLET	UNIT P.D.	CFM	MAX. FACE VELOCITY (FPM)	TOTAL BTUH	EAT	LAT	GPM	EWT / LWT (°F)			
CVB-C1-01-01	12	1,325	398	1	0.3	1325	750	29,908	64.1	85	1.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C1-01-02	12	1,175	353	1	0.3	1175	750	26,522	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C1-01-03	12	1,100	330	1	0.3	1100	750	24,829	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C1-01-04	12	1,130	339	1	0.3	1130	750	25,506	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C1-01-05	12	1,030	309	1	0.3	1030	750	23,249	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C1-01-06	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C1-01-07	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C1-01-08	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-01	12	1,155	347	1	0.3	1155	750	26,071	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-02	12	1,015	305	1	0.3	1015	750	22,911	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-03	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-04	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-05	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-06	10	935	281	1	0.3	935	750	21,105	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-07	10	975	293	1	0.3	975	750	22,008	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-08	8	410	123	1	0.3	410	750	9,255	64.1	85	0.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-09	14	1,560	468	1	0.3	1560	750	35,212	64.1	85	1.8	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D1-01-10	10	960	288	1	0.3	960	750	21,669	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-01	12	1,175	353	1	0.3	1175	750	26,522	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-02	12	1,070	321	1	0.3	1070	750	24,152	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-03	8	420	126	1	0.3	420	750	9,480	64.1	85	0.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-04	14	1,430	429	1	0.3	1430	750	32,278	64.1	85	1.6	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-05	10	740	222	1	0.3	740	750	16,703	64.1	85	0.8	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-06	12	1,010	303	1	0.3	1010	750	22,798	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-07	12	1,070	321	1	0.3	1070	750	24,152	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-08	12	1,145	344	1	0.3	1145	750	25,845	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E1-01-09	12	1,325	398	1	0.3	1325	750	29,908	64.1	85	1.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-01	10	770	231	1	0.3	770	750	17,380	64.1	85	0.9	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-02A	10	960	288	1	0.3	960	750	21,669	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-02B	10	895	269	1	0.3	895	750	20,202	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-02C	10	895	269	1	0.3	895	750	20,202	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-03	10	900	270	1	0.3	900	750	20,315	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-04	8	540	162	1	0.3	540	750	12,189	64.1	85	0.6	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-05	12	1,080	324	1	0.3	1080	750	24,378	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F1-01-06	14	1,560	468	1	0.3	1560	750	35,212	64.1	85	1.8	180 / 140	277 / 1 / 60	TITUS	DTFS-F

1. MAXIMUM NC LEVEL SHALL NOT EXCEED 35 AT 1 IN. STATIC PRESSURE.
2. PROVIDE FACTORY MOUNTED INDUCED AIR INLET SOUND SOUND ATTENUATOR. REFER TO SERIES FLOW FAN POWERED VARIABLE VOLUME UNITS WITH HOT WATER HEAT DETAIL.
3. PROVIDE FACTORY MOUNTED FUSED DISCONNECT SWITCH IN CONTROL PANEL.
4. HOT WATER COILS SHALL BE 1 OR 2 ROWS AND A MAXIMUM OF 10 FINS PER INCH. WATER PRESSURE DROP SHALL NOT EXCEED 5 FT AT SCHEDULED GPM AND AIR PRESSURE DROP THROUGH THE COIL SHALL NOT EXCEED 0.24" W.G.
5. COORDINATE WITH DRAWINGS FOR RIGHT OR LEFT-HAND CASING CONFIGURATION PRIOR TO ORDERING.

SERIES FAN-POWERED AIR TERMINAL UNITS WITH HOT WATER HEAT SCHEDULE

TAG	INLET SIZE	COOLING CFM		STATIC PRESSURE		HOT WATER HEATING COIL						VOLTAGE (V/PH/HZ)	MANUFACTURER	MODEL
		MAX	MIN	INLET	UNIT P.D.	CFM	MAX. FACE VELOCITY (FPM)	TOTAL BTUH	EAT	LAT	GPM	EWT / LWT (°F)			
CVB-C2-01-01	12	1,235	371	1	0.3	1235	750	27,876	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-02	12	1,175	353	1	0.3	1175	750	26,522	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-03	10	950	285	1	0.3	950	750	21,443	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-04	10	870	261	1	0.3	870	750	19,638	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-05	6	215	65	1	0.3	215	750	4,853	64.1	85	0.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-06	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-07	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-08	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C2-01-09	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-01	12	1,155	347	1	0.3	1155	750	26,071	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-02	12	1,155	347	1	0.3	1155	750	26,071	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-03	12	1,150	345	1	0.3	1150	750	25,958	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-04	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-05	12	1,155	347	1	0.3	1155	750	26,071	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-06	10	875	263	1	0.3	875	750	19,751	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-07	10	940	282	1	0.3	940	750	21,218	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-08	10	940	282	1	0.3	940	750	21,218	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D2-01-09	10	940	282	1	0.3	940	750	21,218	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-01	10	960	288	1	0.3	960	750	21,669	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-02	10	960	288	1	0.3	960	750	21,669	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-03	10	960	288	1	0.3	960	750	21,669	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-04	10	960	288	1	0.3	960	750	21,669	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-05	6	225	68	1	0.3	225	750	5,079	64.1	85	0.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-06	10	870	261	1	0.3	870	750	19,638	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-07	10	970	291	1	0.3	970	750	21,895	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-08	12	1,195	359	1	0.3	1195	750	26,974	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E2-01-09	12	1,235	371	1	0.3	1235	750	27,876	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-01	12	1,135	341	1	0.3	1135	750	25,619	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-02	10	975	293	1	0.3	975	750	22,008	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-03	14	1,620	486	1	0.3	1620	750	36,567	64.1	85	1.8	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-04	10	975	293	1	0.3	975	750	22,008	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-05	12	1,230	369	1	0.3	1230	750	27,764	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-06	10	940	282	1	0.3	940	750	21,218	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-07	10	940	282	1	0.3	940	750	21,218	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F2-01-08	12	1,080	324	1	0.3	1080	750	24,378	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F

1. MAXIMUM NC LEVEL SHALL NOT EXCEED 35 AT 1 IN. STATIC PRESSURE.
2. PROVIDE FACTORY MOUNTED INDUCED AIR INLET SOUND SOUND ATTENUATOR. REFER TO SERIES FLOW FAN POWERED VARIABLE VOLUME UNITS WITH HOT WATER HEAT DETAIL.
3. PROVIDE FACTORY MOUNTED FUSED DISCONNECT SWITCH IN CONTROL PANEL.
4. HOT WATER COILS SHALL BE 1 OR 2 ROWS AND A MAXIMUM OF 10 FINS PER INCH. WATER PRESSURE DROP SHALL NOT EXCEED 5 FT AT SCHEDULED GPM AND AIR PRESSURE DROP THROUGH THE COIL SHALL NOT EXCEED 0.24" W.G.
5. COORDINATE WITH DRAWINGS FOR RIGHT OR LEFT-HAND CASING CONFIGURATION PRIOR TO ORDERING.

SERIES FAN-POWERED AIR TERMINAL UNITS WITH HOT WATER HEAT SCHEDULE

TAG	INLET SIZE	COOLING CFM		STATIC PRESSURE		HOT WATER HEATING COIL						VOLTAGE (V/PH/HZ)	MANUFACTURER	MODEL
		MAX	MIN	INLET	UNIT P.D.	CFM	MAX. FACE VELOCITY (FPM)	TOTAL BTUH	EAT	LAT	GPM	EWT / LWT (°F)			
CVB-C3-01-01	12	1,125	338	1	0.3	1125	750	25,394	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-02	12	1,325	398	1	0.3	1325	750	29,908	64.1	85	1.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-03A	12	1,075	323	1	0.3	1075	750	24,265	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-03B	10	885	266	1	0.3	885	750	19,976	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-04A	10	995	299	1	0.3	995	750	22,459	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-04B	12	1,155	347	1	0.3	1155	750	26,071	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-05A	10	855	257	1	0.3	855	750	19,299	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-05B	10	855	257	1	0.3	855	750	19,299	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-06A	10	855	257	1	0.3	855	750	19,299	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-C3-01-06B	12	1,030	309	1	0.3	1030	750	23,249	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-01	12	1,235	371	1	0.3	1235	750	27,876	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-02A	12	1,205	362	1	0.3	1205	750	27,199	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-02B	10	855	257	1	0.3	855	750	19,299	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-03	12	1,280	384	1	0.3	1280	750	28,892	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-04A	10	995	299	1	0.3	995	750	22,459	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-04B	12	1,295	389	1	0.3	1295	750	29,231	64.1	85	1.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-05	12	1,230	369	1	0.3	1230	750	27,764	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-D3-01-06	12	1,080	324	1	0.3	1080	750	24,378	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-01	12	1,125	338	1	0.3	1125	750	25,394	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-02	12	1,345	404	1	0.3	1345	750	30,359	64.1	85	1.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-03A	12	1,105	332	1	0.3	1105	750	24,942	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-03B	10	915	275	1	0.3	915	750	20,653	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-04A	12	1,035	311	1	0.3	1035	750	23,362	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-04B	10	825	248	1	0.3	825	750	18,622	64.1	85	0.9	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-05A	10	825	248	1	0.3	825	750	18,622	64.1	85	0.9	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-05B	12	1,155	347	1	0.3	1155	750	26,071	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-06A	10	825	248	1	0.3	825	750	18,622	64.1	85	0.9	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-E3-01-06B	10	975	293	1	0.3	975	750	22,008	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-01	10	910	273	1	0.3	910	750	20,541	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-02	10	790	237	1	0.3	790	750	17,832	64.1	85	0.9	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-03A	12	1,125	338	1	0.3	1125	750	25,394	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-03B	12	1,275	383	1	0.3	1275	750	28,779	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-04	12	1,290	387	1	0.3	1290	750	29,118	64.1	85	1.5	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-05	12	1,260	378	1	0.3	1260	750	28,441	64.1	85	1.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-06	12	1,110	333	1	0.3	1110	750	25,055	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-F3-01-07	12	1,070	321	1	0.3	1070	750	24,152	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F

1. MAXIMUM NC LEVEL SHALL NOT EXCEED 35 AT 1 IN. STATIC PRESSURE.
2. PROVIDE FACTORY MOUNTED INDUCED AIR INLET SOUND SOUND ATTENUATOR. REFER TO SERIES FLOW FAN POWERED VARIABLE VOLUME UNITS WITH HOT WATER HEAT DETAIL.
3. PROVIDE FACTORY MOUNTED FUSED DISCONNECT SWITCH IN CONTROL PANEL.
4. HOT WATER COILS SHALL BE 1 OR 2 ROWS AND A MAXIMUM OF 10 FINS PER INCH. WATER PRESSURE DROP SHALL NOT EXCEED 5 FT AT SCHEDULED GPM AND AIR PRESSURE DROP THROUGH THE COIL SHALL NOT EXCEED 0.24" W.G.
5. COORDINATE WITH DRAWINGS FOR RIGHT OR LEFT-HAND CASING CONFIGURATION PRIOR TO ORDERING.

DUCT SILENCERS SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	CFM	SIZE (INCHES) W x H	LENGTH (FEET)	MAX. ΔP (" W.G.)	MAX. FACE VELOCITY (FPM)
ST-01	RETURN	VIBRO-ACOUSTICS	RD	-	48"x24"	5'-0"	0.13	900
ST-02	RETURN	VIBRO-ACOUSTICS	RD	-	48"x48"	5'-0"	0.13	900
ST-03	RETURN	VIBRO-ACOUSTICS	RD	-	48"x48"	3'-0"	0.13	900
ST-04	RETURN	VIBRO-ACOUSTICS	RD	-	32"x20"	5'-0"	0.13	900
ST-05	RETURN	VIBRO-ACOUSTICS	RD	-	48"x18"	5'-0"	0.13	900
ST-06	RETURN	VIBRO-ACOUSTICS	RD	-	24"x24"	7'-0"	0.13	900
ST-07	RETURN	VIBRO-ACOUSTICS	RD	-	24"x18"	3'-0"	0.13	900

1. MAXIMUM FLAME SPREAD OF 25 AND MAXIMUM FUEL CONTRIBUTED AND SMOKE DEVELOPED RATING OF 50 PER NFPA 90A FOR SOUND TRAP MEDIA.
2. MEDIA SHALL MEET EROSION TEST METHOD DESCRIBED IN U.L. PUBLICATION 181.
3. CONTRACTOR SHALL PROVIDE TRANSITIONS TO DUCTWORK AS REQUIRED.

SINGLE DUCT AIR TERMINAL UNIT SCHEDULE

TAG	INLET SIZE	COOLING CFM		STATIC PRESSURE		NC LEVELS		VOLTAGE	MANUFACTURER	MODEL
		MAX	MIN	INLET	UNIT P.D.	RAD.	DISCH.			
VAV-C1-01-01	6	300	150	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-D1-01-01	6	300	150	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-E1-01-01	6	330	165	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-F1-01-01	8	360	180	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-C2-01-01	8	380	190	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-D2-01-01	6	300	150	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-E2-01-01	8	375	188	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-F2-01-01	8	420	210	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-C3-01-01	6	325	163	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-D3-01-01	6	300	150	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-E3-01-01	6	325	163	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-F3-01-01	8	470	235	1	0.35	13	13	120 / 1 / 60	TITUS	DESV
VAV-B1-02-01	12	1000	500	1	0.35	13	13	120 / 1 / 60	TITUS	DESV

1. MAXIMUM NC LEVEL SHALL NOT EXCEED 25 AT 1 IN. STATIC PRESSURE.
2. REFERENCE ELECTRICAL DRAWINGS FOR ELECTRICAL DATA.
3. PROVIDE VOLUME CONTROL DAMPER, MULTI-POINT FLOW SENSOR, CONTROLLER ENCLOSURE, POWER TRANSFORMER. REFER TO AIR...
4. COORDINATE WITH DRAWINGS FOR RIGHT OR LEFT-HAND CASING CONFIGURATION PRIOR TO ORDERING.

SERIES FAN-POWERED AIR TERMINAL UNITS WITH HOT WATER HEAT SCHEDULE

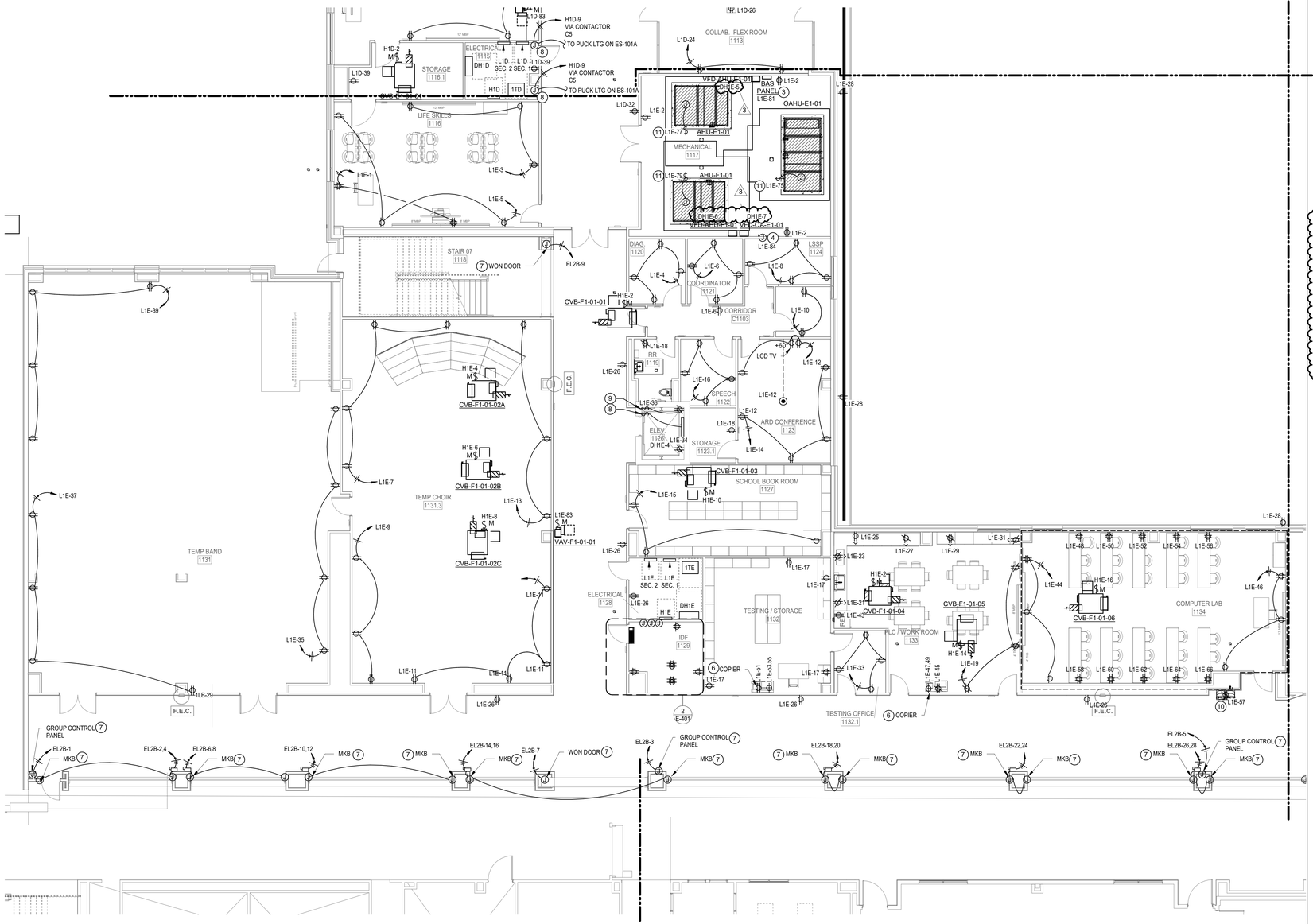
TAG	INLET SIZE	COOLING CFM		STATIC PRESSURE		HOT WATER HEATING COIL						VOLTAGE (V/PH/HZ)	MANUFACTURER	MODEL
		MAX	MIN	INLET	UNIT P.D.	CFM	MAX. FACE VELOCITY (FPM)	TOTAL BTUH	EAT	LAT	GPM	EWT / LWT (°F)			
CVB-B1-02-01	10	740	222	1	0.3	740	750	16,703	64.1	85	0.8	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-02	12	1,060	318	1	0.3	1060	750	23,926	64.1	85	1.2	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-03	10	870	261	1	0.3	870	750	19,638	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-04	8	380	114	1	0.3	380	750	8,577	64.1	85	0.4	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-05	10	980	294	1	0.3	980	750	22,121	64.1	85	1.1	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-06	12	1,110	333	1	0.3	1110	750	25,055	64.1	85	1.3	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-07	10	890	267	1	0.3	890	750	20,089	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-08	8	625	188	1	0.3	625	750	14,108	64.1	85	0.7	180 / 140	277 / 1 / 60	TITUS	DTFS-F
CVB-B1-02-09	10	900	270	1	0.3	900	750	20,315	64.1	85	1.0	180 / 140	277 / 1 / 60	TITUS	DTFS-F

1. MAXIMUM NC LEVEL SHALL NOT EXCEED 35 AT 1 IN. STATIC PRESSURE.
2. PROVIDE FACTORY MOUNTED INDUCED AIR INLET SOUND SOUND ATTENUATOR. REFER TO SERIES FLOW FAN POWERED VARIABLE VOLUME UNITS WITH HOT WATER HEAT DETAIL.
3. PROV

0"
1"

1ST FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
E-101F

FOR BLUEBEAM LABELING/OCR:



POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1. AREA INDICATED TYPICAL CLASSROOM DEVICE LAYOUT AND CIRCUIT CONFIGURATION.
2. PROVIDE TYPICAL CLASSROOM DEVICE LAYOUT AND BRANCH CIRCUIT CONFIGURATION AND ADDITIONAL CIRCUITING AND DEVICES WHERE INDICATED. REFER TO KEYED NOTE #1 FOR TYPICAL CLASSROOM. REFER TO PANEL SCHEDULES FOR CIRCUITS DESIGNATED TO SERVE THIS AREA.
3. JUNCTION BOX FOR HARDWIRED POWER CONNECTION FOR MECHANICAL CONTROLS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION PRIOR TO INSTALLATION.
4. JUNCTION BOX FOR ELECTRONIC TRAP PRIMER. REFER TO PLUMBING CONTRACTOR FOR EXACT LOCATION, MOUNTING AND ADDITIONAL INFORMATION..
5. COORDINATE EXACT LOCATION, MOUNTING AND ALL POWER REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
6. PROVIDE POWER TO APPLIANCE. VERIFY EXACT NEMA CONFIGURATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
7. FIELD VERIFY FINAL POWER CONNECTION LOCATION AND REQUIREMENTS WITH MANUFACTURER REQUIREMENTS
8. TWO LIGHT FIXTURES (DAY-BRITE#DW A E 51L-840-4-UNV) SHALL BE PROVIDED IN THE ELEVATOR SHAFT: ONE LOCATED ADJACENT TO THE PIT LADDER AS HIGH AS POSSIBLE AND ONE ON THE OPPOSITE WALL AT THE TOP OF THE HOISTWAY. EACH FIXTURE SHALL BE CONTROLLED BY A SWITCH LOCATED ADJACENT TO THE ELEVATOR SHAFT OPENING AND ON THE SAME LEVEL AS THE FIXTURE BEING CONTROLLED. PROVIDE ONE GFI RECEPTACLE IN THE ELEVATOR PIT. ALL DEVICES SHALL BE IN NEMA 4 ENCLOSURES. COORDINATE EXACT LOCATIONS WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN.
9. PROVIDE RECEPTACLE AND SWITCH FOR SUMP PUMP IN ELEVATOR PIT ALL IN NEMA 4 ENCLOSURES. COORDINATE LOCATION OF RECEPTACLE AND SWITCH WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
10. PROVIDE CONTACTOR FOR WATER FOUNTAIN CIRCUIT. CONTACTOR SHALL BE CONTROLLED BY BAS.
11. UVC LIGHT. ACCESS DOOR KILL SWITCH BY MECHANICAL. PROVIDE CONTACTOR FOR CIRCUIT. CONTACTOR SHALL BE CONTROLLED BY BAS. CONTRACTOR SHALL FIELD VERIFY MANUFACTURER REQUIREMENTS.

3

1 **1ST FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

Plot Stamp:
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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

F

KEY PLAN
NORTH: PLAN = TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

1ST FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

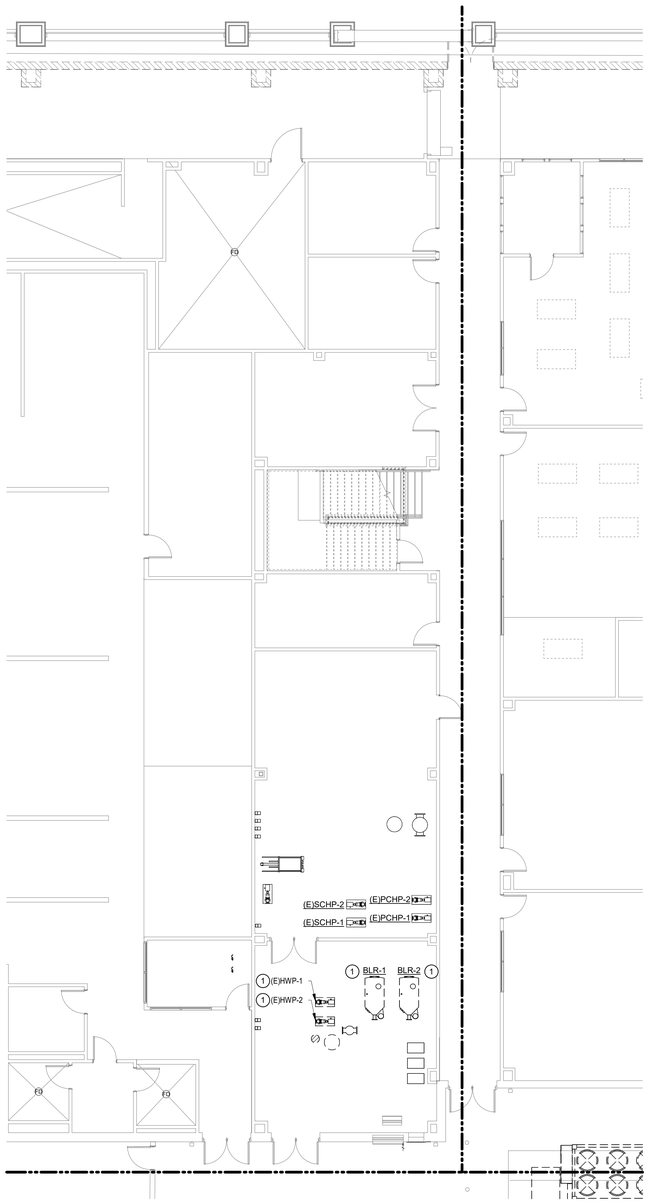
E-101F

1ST FLOOR POWER PLAN - AREA H - CTE

E-101H

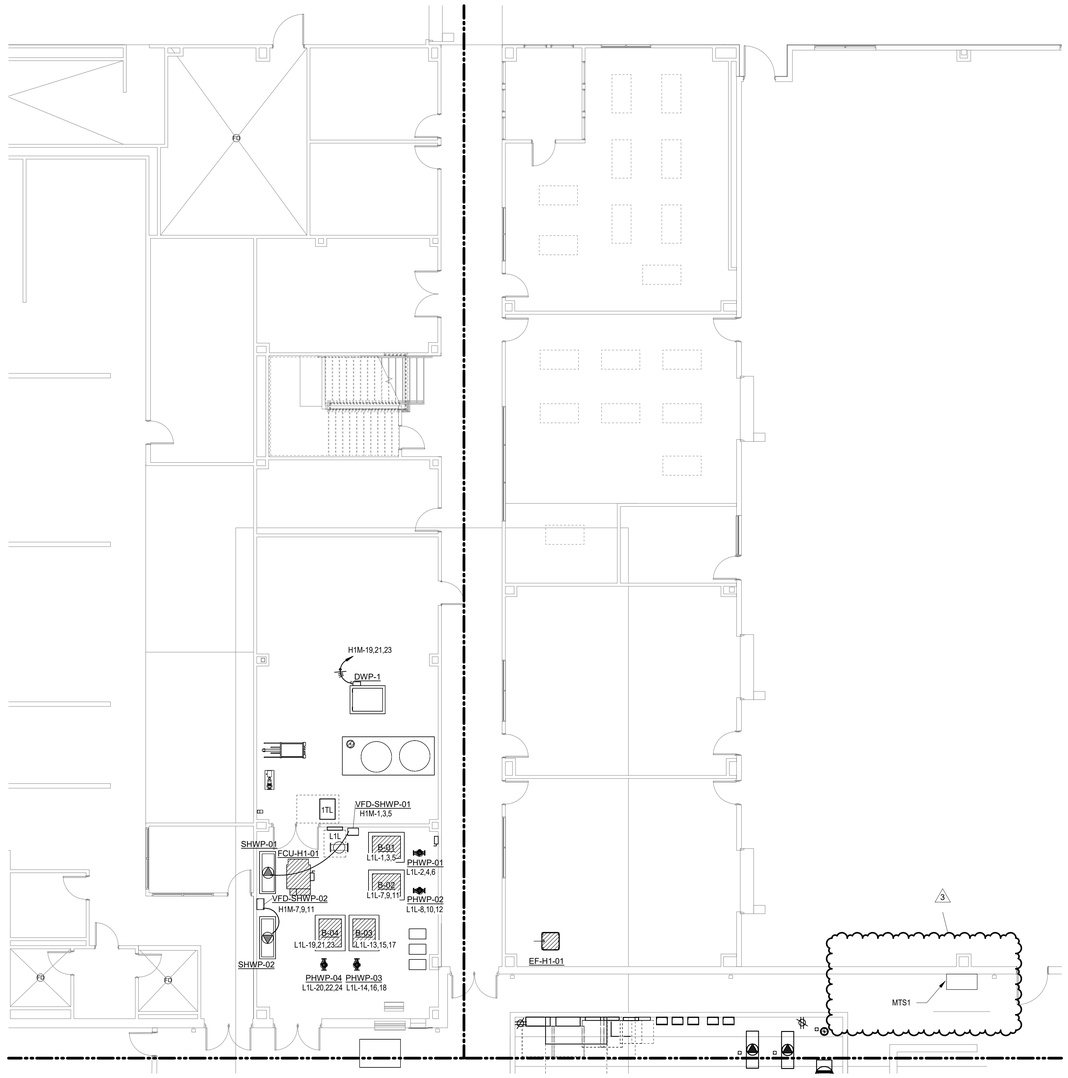
FOR BLUEBEAM LABELING/OCR:

0"
1"



1 1ST FLOOR TEMPORARY POWER DEMO PLAN - AREA H - CTE

SCALE: 1/8" = 1'-0"



2 1ST FLOOR TEMPORARY POWER PLAN - AREA H - CTE

SCALE: 1/8" = 1'-0"

POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

(1) POWER FOR EXISTING EQUIPMENT SHALL BE DEMOLISHED BACK TO PANEL AND MADE SAFE. UPDATE AFFECTED PANEL SCHEDULE REFLECTING REMOVED LOAD.

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

E

KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

1ST FLOOR POWER PLAN - AREA H - CTE

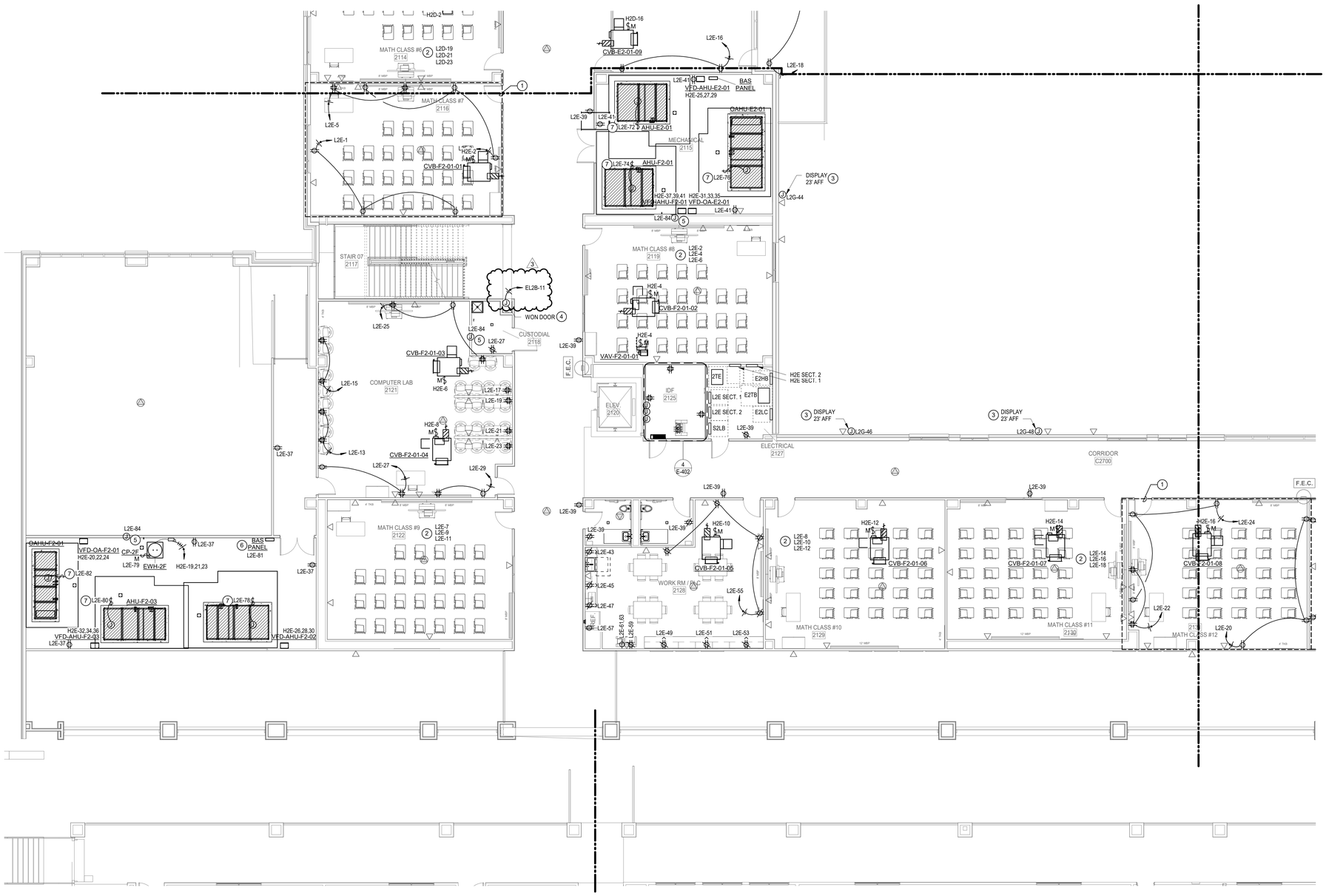
E-101H

Plot Stamp:
12/10/2025 5:14:43 PM

2ND FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-102F

FOR BLUEBEAM LABELING/OCR:



1 2ND FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

SCALE: 1/8" = 1'-0"

POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
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POWER PLAN KEYED NOTES

1. AREA INDICATED TYPICAL CLASSROOM DEVICE LAYOUT AND CIRCUIT CONFIGURATION.
2. PROVIDE TYPICAL CLASSROOM DEVICE LAYOUT AND BRANCH CIRCUIT CONFIGURATION AND ADDITIONAL CIRCUITING AND DEVICES WHERE INDICATED. REFER TO KEYED NOTE #1 FOR TYPICAL CLASSROOM. REFER TO PANEL SCHEDULES FOR CIRCUITS DESIGNATED TO SERVE THIS AREA.
3. COORDINATE EXACT LOCATION, MOUNTING AND ALL POWER REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
4. FIELD VERIFY FINAL POWER CONNECTION LOCATION AND REQUIREMENTS WITH MANUFACTURER REQUIREMENTS
5. JUNCTION BOX FOR ELECTRONIC TRAP PRIMER. REFER TO PLUMBING CONTRACTOR FOR EXACT LOCATION, MOUNTING AND ADDITIONAL INFORMATION.
6. JUNCTION BOX FOR HARDWIRED POWER CONNECTION FOR MECHANICAL CONTROLS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION PRIOR TO INSTALLATION.
7. UVC LIGHT. ACCESS DOOR KILL SWITCH BY MECHANICAL. PROVIDE CONTACTOR FOR CIRCUIT. CONTACTOR SHALL BE CONTROLLED BY BAS. CONTRACTOR SHALL FIELD VERIFY MANUFACTURER ELECTRICAL REQUIREMENTS.

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December 5, 2025
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DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: OT

DRAWN BY: LT

2ND FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

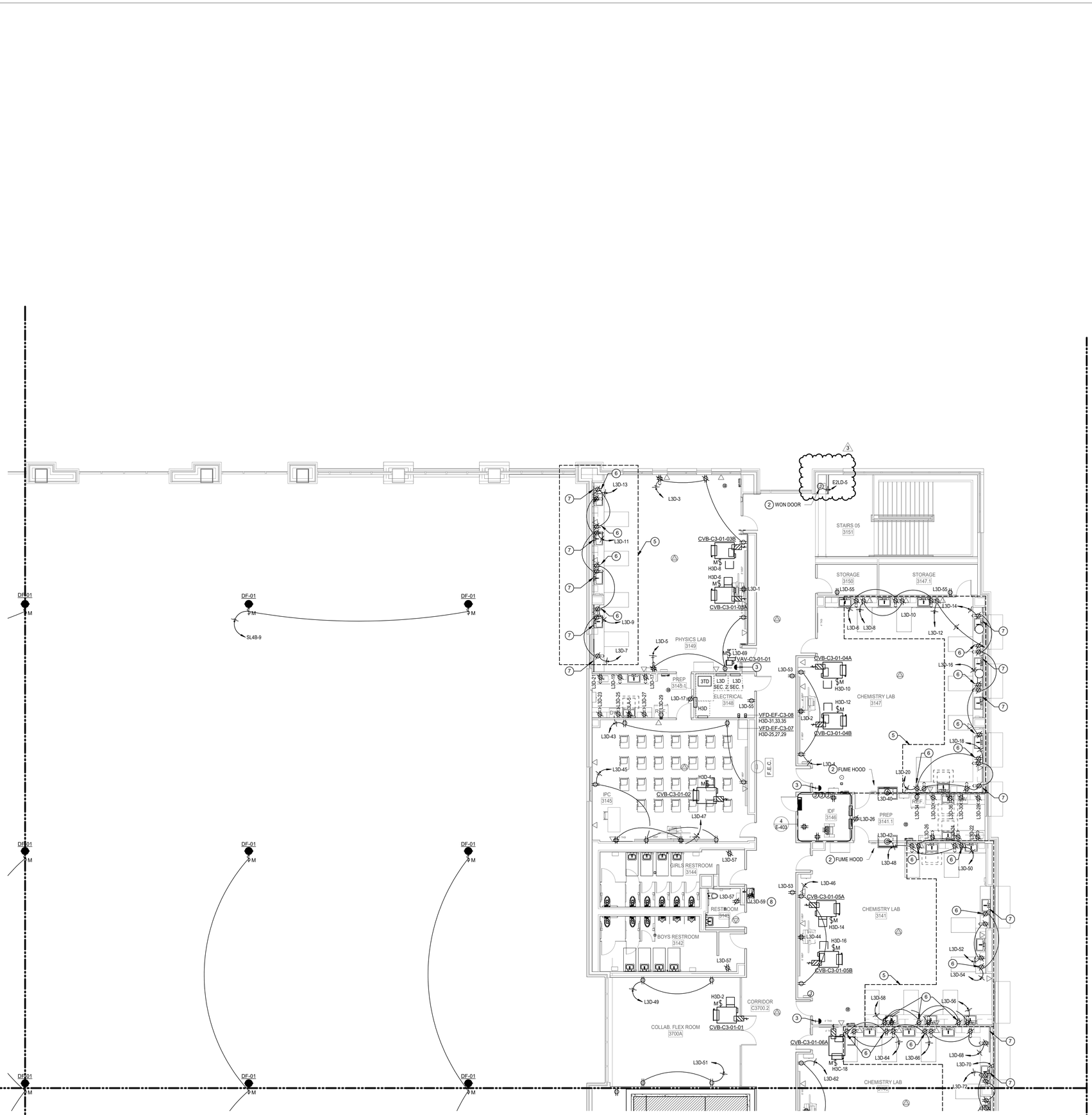
E-102F

Plot Stamp:
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3RD FLOOR POWER PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-103C

FOR BLUEBEAM LABELING/OCR:



1 3RD FLOOR POWER PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

SCALE: 1/8" = 1'-0"

L3C-69 (14)

POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1. COORDINATE EXACT LOCATION, MOUNTING AND ALL POWER REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
2. FIELD VERIFY FINAL POWER CONNECTION LOCATION AND REQUIREMENTS WITH MANUFACTURER REQUIREMENTS
3. EMERGENCY POWER OFF PUSHBUTTON. PROVIDE CLEAR COVER WITH SOUNDER. PROVIDE CONTACTOR FOR SHUTOFF OF LAB ROOM BENCHTOP RECEPTACLES, SEE SHEET NOTE 5. BUTTON SHALL ALSO CLOSE GAS AND WATER SOLENOID VALVES SERVING THIS ROOM. REFER TO DETAIL #11 ON SHEET P6.03 FOR ADDITIONAL INFORMATION.
4. JUNCTION BOX FOR POWER TO LAB SHUTDOWN UTILITY CONTROLLER. REFER TO DETAIL #11 ON SHEET P6.03 FOR ADDITIONAL INFORMATION.
5. RECEPTACLES IN INDICATED AREA SHALL BE CONTROLLED BY EMERGENCY POWER OFF PUSHBUTTON.
6. UNDER COUNTER RECEPTACLE. COORDINATE FINAL LOCATION WITH CASEWORK DRAWINGS.
7. LEGRAND WIREMOLD 3000 SERIES RACEWAY COUNTER MOUNT AGAINST BACKSPLASH. COORDINATE WITH ARCHITECT FOR FINISH. PROVIDE ALL PARTS FOR A COMPLETE SYSTEM.
8. PROVIDE CONTACTOR FOR WATER FOUNTAIN CIRCUIT. CONTACTOR SHALL BE CONTROLLED BY BAS.

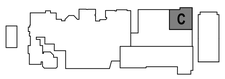
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Galena Park, TX 77547

ISSUE FOR PROPOSAL



KEY PLAN

NORTH: PLAN TRUE



December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: OT

DRAWN BY: LT

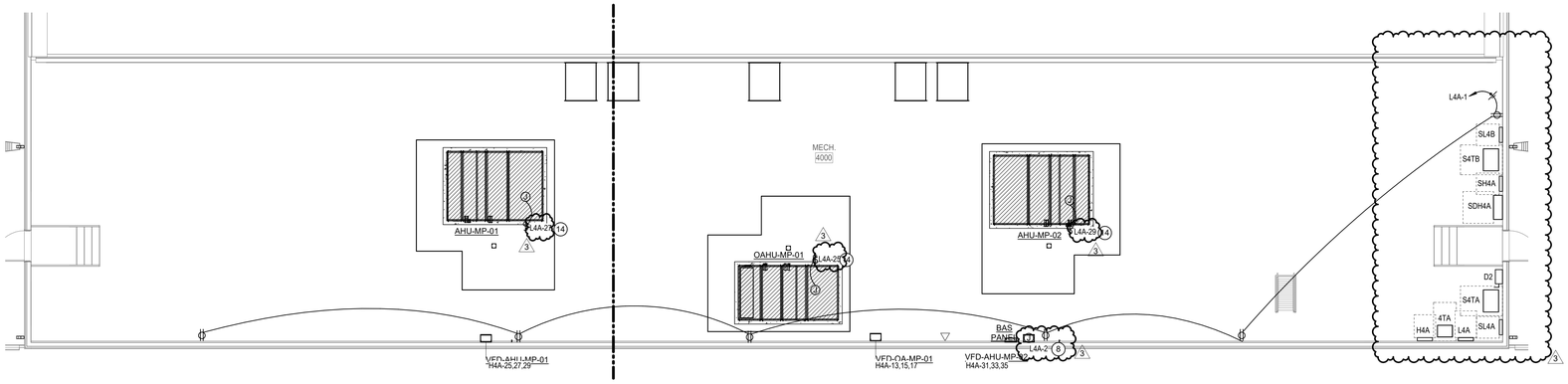
3RD FLOOR POWER PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-103C

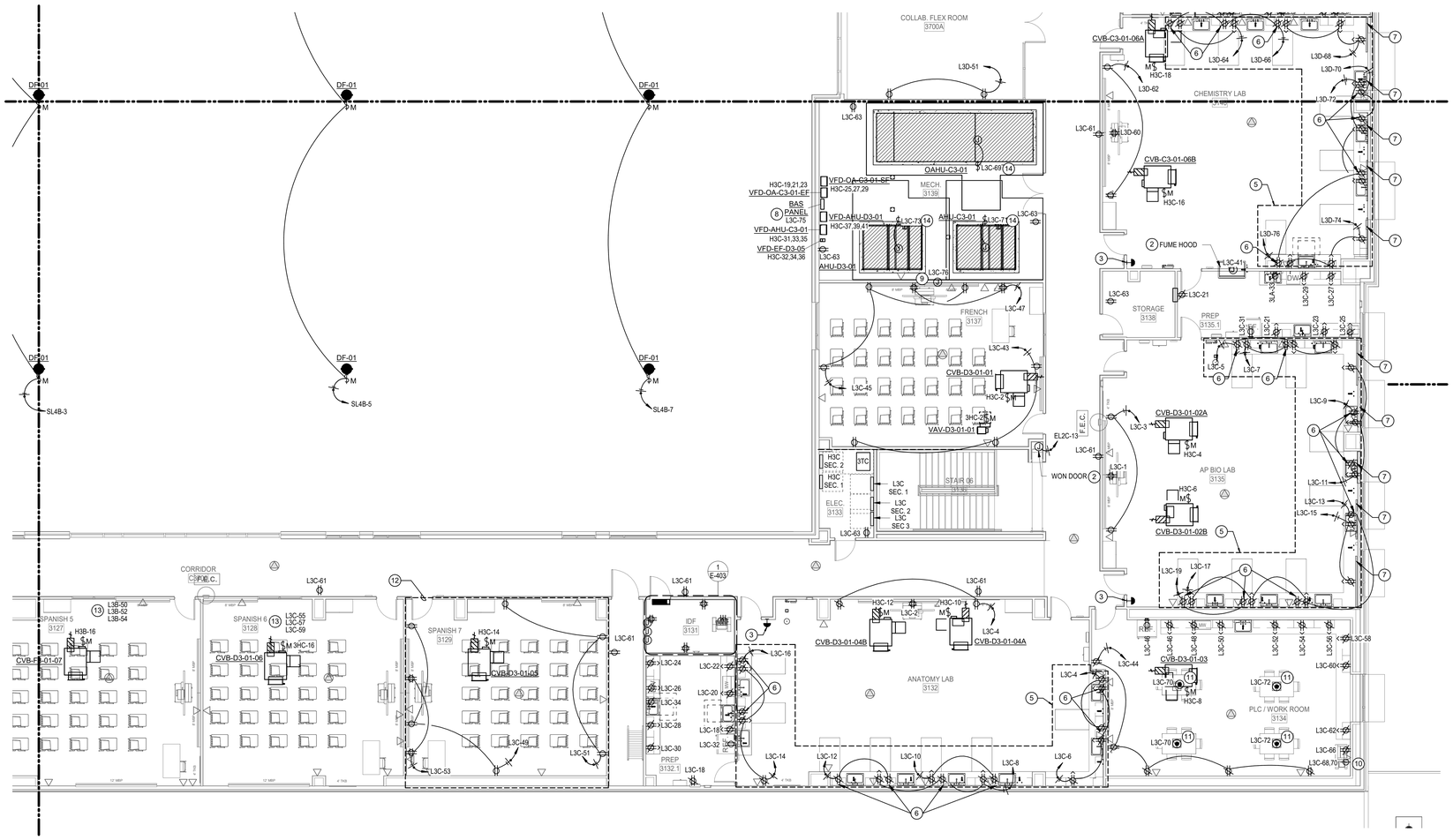
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12/10/2025 5:14:58 PM

3RD FLOOR POWER PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
E-103D
FOR BLUEBEAM LABELING/OCR:

0"
1"



2 POWER MECH ROOM PLAN
SCALE: 1/8" = 1'-0"



1 3RD FLOOR POWER PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

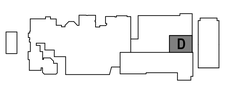
1. COORDINATE EXACT LOCATION, MOUNTING AND ALL POWER REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
2. FIELD VERIFY FINAL POWER CONNECTION LOCATION AND REQUIREMENTS WITH MANUFACTURER REQUIREMENTS
3. EMERGENCY POWER OFF PUSHBUTTON. PROVIDE CLEAR COVER WITH SOUNDER. PROVIDE CONTACTOR FOR SHUTOFF OF LAB ROOM BENCHTOP RECEPTACLES, SEE SHEET NOTE 5. BUTTON SHALL ALSO CLOSE GAS AND WATER SOLENOID VALVES SERVING THIS ROOM. REFER TO DETAIL #11 ON SHEET P6.03 FOR ADDITIONAL INFORMATION.
4. JUNCTION BOX FOR POWER TO LAB SHUTDOWN UTILITY CONTROLLER. REFER TO DETAIL #11 ON SHEET P6.03 FOR ADDITIONAL INFORMATION.
5. RECEPTACLES IN INDICATED AREA SHALL BE CONTROLLED BY EMERGENCY POWER OFF PUSHBUTTON.
6. UNDER COUNTER RECEPTACLE. COORDINATE FINAL LOCATION WITH CASEWORK DRAWINGS.
7. LEGRAND WIREMOLD 3000 SERIES RACEWAY COUNTER MOUNT AGAINST BACKSPLASH. COORDINATE WITH ARCHITECT FOR FINISH. PROVIDE ALL PARTS FOR A COMPLETE SYSTEM.
8. JUNCTION BOX FOR HARDWIRED POWER CONNECTION FOR MECHANICAL CONTROLS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION PRIOR TO INSTALLATION.
9. JUNCTION BOX FOR ELECTRONIC TRAP PRIMER. REFER TO PLUMBING CONTRACTOR FOR EXACT LOCATION, MOUNTING AND ADDITIONAL INFORMATION.
10. PROVIDE POWER TO APPLIANCE. VERIFY EXACT NEMA CONFIGURATION WITH MANUFACTURER PRIOR TO ROUGH-IN.
11. PROVIDE 4-GANG FLOOR BOX WIREMOLD EVOLUTION #RFB4. PROVIDE (2) DUPLEX RECEPTACLES AND 3/4" CONDUIT FOR POWER AND (1) 1-1/2" CONDUIT WITH PULLSTRINGS FOR DATA; ROUTE UNDERSLAB TO NEAREST FULL HEIGHT WALL AND UP TO ACCESSIBLE CEILING PLENUM. DO NOT DAISY CONDUIT TO FLOOR BOXES.
12. AREA INDICATED TYPICAL CLASSROOM DEVICE LAYOUT AND CIRCUIT CONFIGURATION.
13. PROVIDE TYPICAL CLASSROOM DEVICE LAYOUT AND BRANCH CIRCUIT CONFIGURATION AND ADDITIONAL CIRCUITING AND DEVICES WHERE INDICATED. REFER TO KEYED NOTE #1 FOR TYPICAL CLASSROOM. REFER TO PANEL SCHEDULES FOR CIRCUITS DESIGNATED TO SERVE THIS AREA.
14. UVC LIGHT. ACCESS DOOR KILL SWITCH BY MECHANICAL. PROVIDE CONTACTOR FOR CIRCUIT. CONTACTOR SHALL BE CONTROLLED BY BAS. CONTRACTOR SHALL FIELD VERIFY MANUFACTURER ELECTRICAL REQUIREMENTS.

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL



KEY PLAN
NORTH: PLAN TRUE



December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

3RD FLOOR POWER PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

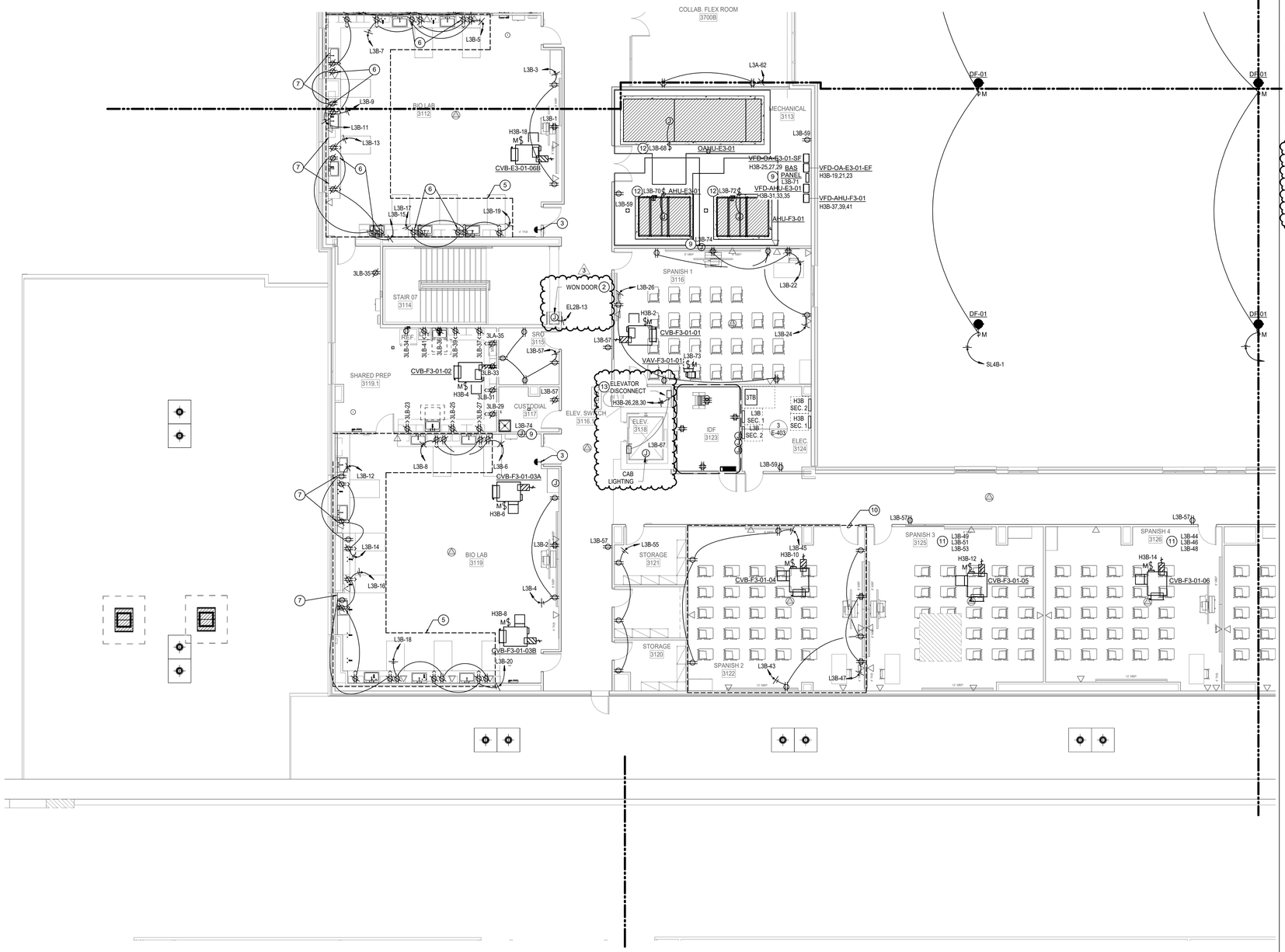
E-103D

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12/10/2025 5:15:05 PM

3RD FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-103F

FOR BLUEBEAM LABELING/OCR:



POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1. COORDINATE EXACT LOCATION, MOUNTING AND ALL POWER REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
2. FIELD VERIFY FINAL POWER CONNECTION LOCATION AND REQUIREMENTS WITH MANUFACTURER REQUIREMENTS
3. EMERGENCY POWER OFF PUSHBUTTON. PROVIDE CLEAR COVER WITH SOUNDER. PROVIDE CONTACTOR FOR SHUTOFF OF LAB ROOM BENCHTOP RECEPTACLES, SEE SHEET NOTE 5. BUTTON SHALL ALSO CLOSE GAS AND WATER SOLENOID VALVES SERVING THIS ROOM. REFER TO DETAIL #11 ON SHEET P6.03 FOR ADDITIONAL INFORMATION.
4. JUNCTION BOX FOR POWER TO LAB SHUTDOWN UTILITY CONTROLLER. REFER TO DETAIL #11 ON SHEET P6.03 FOR ADDITIONAL INFORMATION.
5. RECEPTACLES IN INDICATED AREA SHALL BE CONTROLLED BY EMERGENCY POWER OFF PUSHBUTTON.
6. UNDER COUNTER RECEPTACLE. COORDINATE FINAL LOCATION WITH CASEWORK DRAWINGS.
7. LEGRAND WIREMOLD 3000 SERIES RACEWAY COUNTER MOUNT AGAINST BACKSPLASH. COORDINATE WITH ARCHITECT FOR FINISH. PROVIDE ALL PARTS FOR A COMPLETE SYSTEM.
8. JUNCTION BOX FOR HARDWIRED POWER CONNECTION FOR MECHANICAL CONTROLS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION PRIOR TO INSTALLATION.
9. JUNCTION BOX FOR ELECTRONIC TRAP PRIMER. REFER TO PLUMBING CONTRACTOR FOR EXACT LOCATION, MOUNTING AND ADDITIONAL INFORMATION.
10. AREA INDICATED TYPICAL CLASSROOM DEVICE LAYOUT AND CIRCUIT CONFIGURATION.
11. PROVIDE TYPICAL CLASSROOM DEVICE LAYOUT AND BRANCH CIRCUIT CONFIGURATION AND ADDITIONAL CIRCUITING AND DEVICES WHERE INDICATED. REFER TO KEYED NOTE #1 FOR TYPICAL CLASSROOM. REFER TO PANEL SCHEDULES FOR CIRCUITS DESIGNATED TO SERVE THIS AREA.
12. UVC LIGHT. ACCESS DOOR KILL SWITCH BY MECHANICAL. PROVIDE CONTACTOR FOR CIRCUIT. CONTACTOR SHALL BE CONTROLLED BY BAS. CONTRACTOR SHALL FIELD VERIFY MANUFACTURER ELECTRICAL REQUIREMENTS.
13. ELEVATOR AUTOMATIC SHUTDOWN SWITCH SHALL BE LOCATED IN CLOSET DEDICATED TO ELEVATOR EQUIPMENT AND ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY. IN ADDITION A NON FUSED LOCKABLE IN THE OPEN POSITION DISCONNECT SHALL BE PROVIDED IN THE ELEVATOR SHAFT WITHIN SIGHT OF THE MOTOR CONTROLLER. PROVIDE PER SPECIFICATION 26 09 14. MAKE ALL CONNECTIONS TO ELEVATOR CONTROLLER AS REQUIRED BY ELEVATOR MANUFACTURER AND VERIFY ELEVATOR EQUIPMENT LOCATIONS WITH ELEVATOR SUPPLIER BEFORE ELECTRICAL ROUGH-IN. COORDINATE FUSE, DISCONNECT SWITCH , CIRCUIT BREAKER, CONDUCTOR AND CONDUIT SIZES FOR ELEVATOR WITH THE ELEVATOR SUPPLIER RECOMMENDATION(S) AND REQUIREMENTS PRIOR TO SUBMITTING CONTROLLER BY DIVISION 26. COORDINATE LOCATION OF CONTROLLER WITH ELEVATOR INSTALLER IN FIELD.

1 **3RD FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

F

KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61572
LICENSED PROFESSIONAL ENGINEER

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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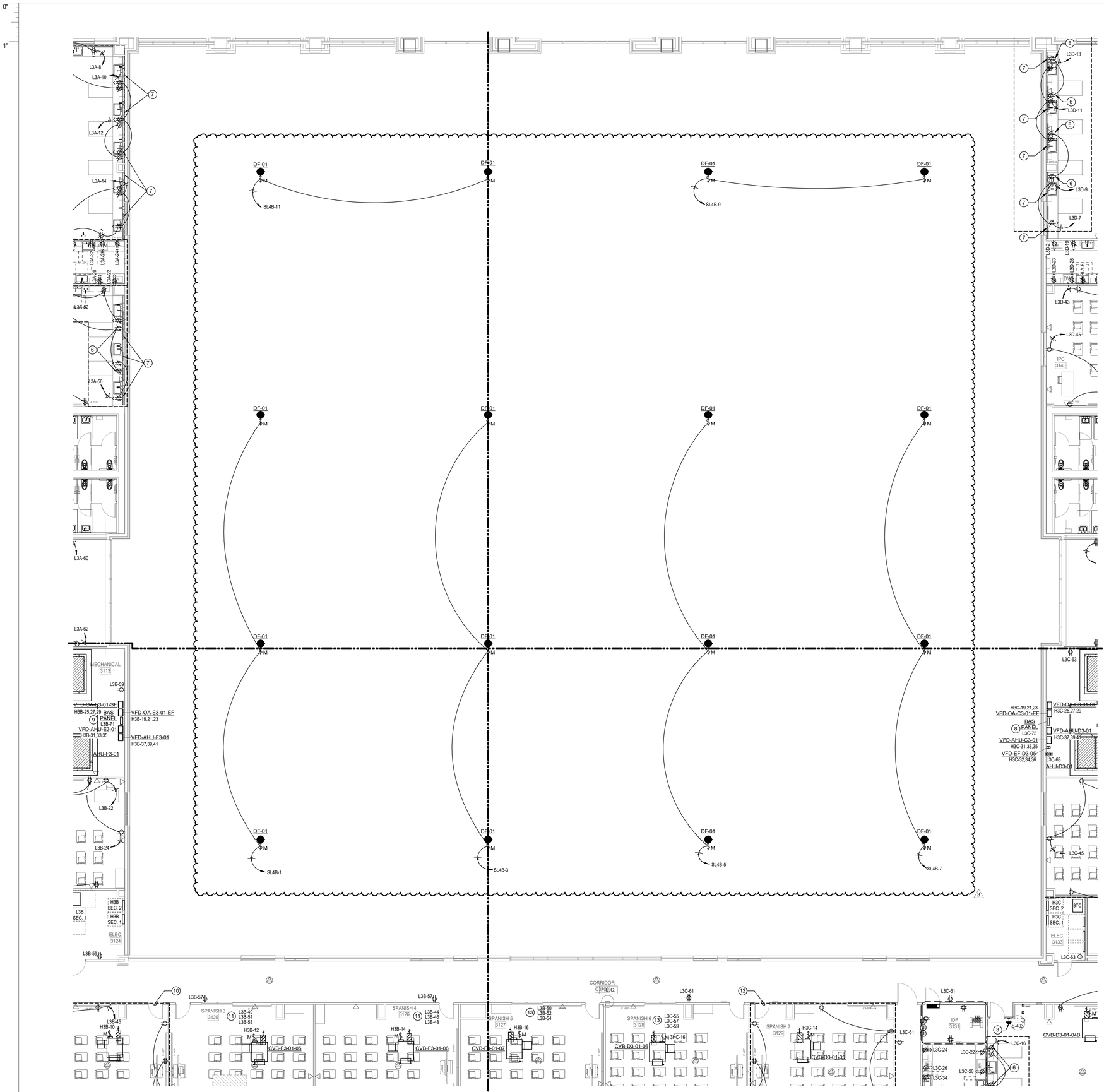
CHECKED BY: OT
DRAWN BY: LT

3RD FLOOR POWER PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-103F

3RD FLOOR POWER PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
E-103G

FOR BLUEBEAM LABELING/OCR:



1 3RD FLOOR POWER PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

Plot Stamp:
12/10/2025 5:15:23 PM

POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1. AREA INDICATED TYPICAL CLASSROOM DEVICE LAYOUT AND CIRCUIT CONFIGURATION. PROVIDE TYPICAL CLASSROOM DEVICE LAYOUT AND BRANCH CIRCUIT CONFIGURATION AND ADDITIONAL CIRCUITING AND DEVICES WHERE INDICATED. REFER TO KEYED NOTE #1 FOR TYPICAL CLASSROOM. REFER TO PANEL SCHEDULES FOR CIRCUITS DESIGNATED TO SERVE THIS AREA.
2. PROVIDE POWER TO CEILING MOUNTED FRONT ROW SYSTEM CONTROL BOX. COORDINATE WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
3. PROVIDE JUNCTION BOX FOR POWER TO ELECTRIC HAND DRYER. VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN. POWER FOR BUILDING AUTOMATION SYSTEM. COORDINATE EXACT LOCATION WITH MECHANICAL CONTROLS PRIOR TO ROUGH-IN.
4. JUNCTION BOX FOR HARDWIRED POWER CONNECTION FOR MECHANICAL CONTROLS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION PRIOR TO INSTALLATION. JUNCTION BOX FOR ELECTRONIC TRAP PRIMER. REFER TO PLUMBING CONTRACTOR FOR EXACT LOCATION, MOUNTING AND ADDITIONAL INFORMATION..
5. PROVIDE CONDUIT STUB UP TO OUTLET MOUNTED IN CASEWORK. COORDINATE INSTALLATION WITH MILLWORK CONTRACTOR. POWER TO TV, COORDINATE EXACT MOUNTING HEIGHT WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
6. POWER TO ACCESS CONTROL POWER SUPPLY COORDINATE MOUNTING HEIGHT AND LOCATION WITH SPECIAL SYSTEM CONTRACTOR. CONDUIT STUB-UP. PROVIDE (2) 1" CONDUIT IN SLAB FROM NEAREST FULL HEIGHT WALL.
7. COORDINATE EXACT LOCATION, MOUNTING AND ALL POWER REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE POWER TO MOTORIZED BACKBOARD. VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. PROVIDE KEYED SWITCH FOR CONTROL OF EACH GOAL.
9. JUNCTION BOX FOR ELECTRONIC TRAP PRIMER. REFER TO PLUMBING CONTRACTOR FOR EXACT LOCATION, MOUNTING AND ADDITIONAL INFORMATION.
10. PROVIDE POWER TO COPIER. VERIFY EXACT NEMA CONFIGURATION WITH COPIER MANUFACTURER PRIOR TO ROUGH-IN.
11. PROVIDE 4-GANG FLOOR BOX WIREMOLD EVOLUTION #RFB4. PROVIDE (2) DUPLEX RECEPTACLES AND 3/4" CONDUIT FOR POWER AND (1) 1-1/2" CONDUIT WITH PULLSTRINGS FOR DATA; ROUTE UNDERSLAB TO NEAREST FULL HEIGHT WALL AND UP TO ACCESSIBLE CEILING PLENUM. DO NOT DAISY CONDUIT TO FLOOR BOXES.
12. POWER TO ACCESS CONTROL POWER SUPPLY COORDINATE MOUNTING HEIGHT AND LOCATION WITH SPECIAL SYSTEM CONTRACTOR.

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

G

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

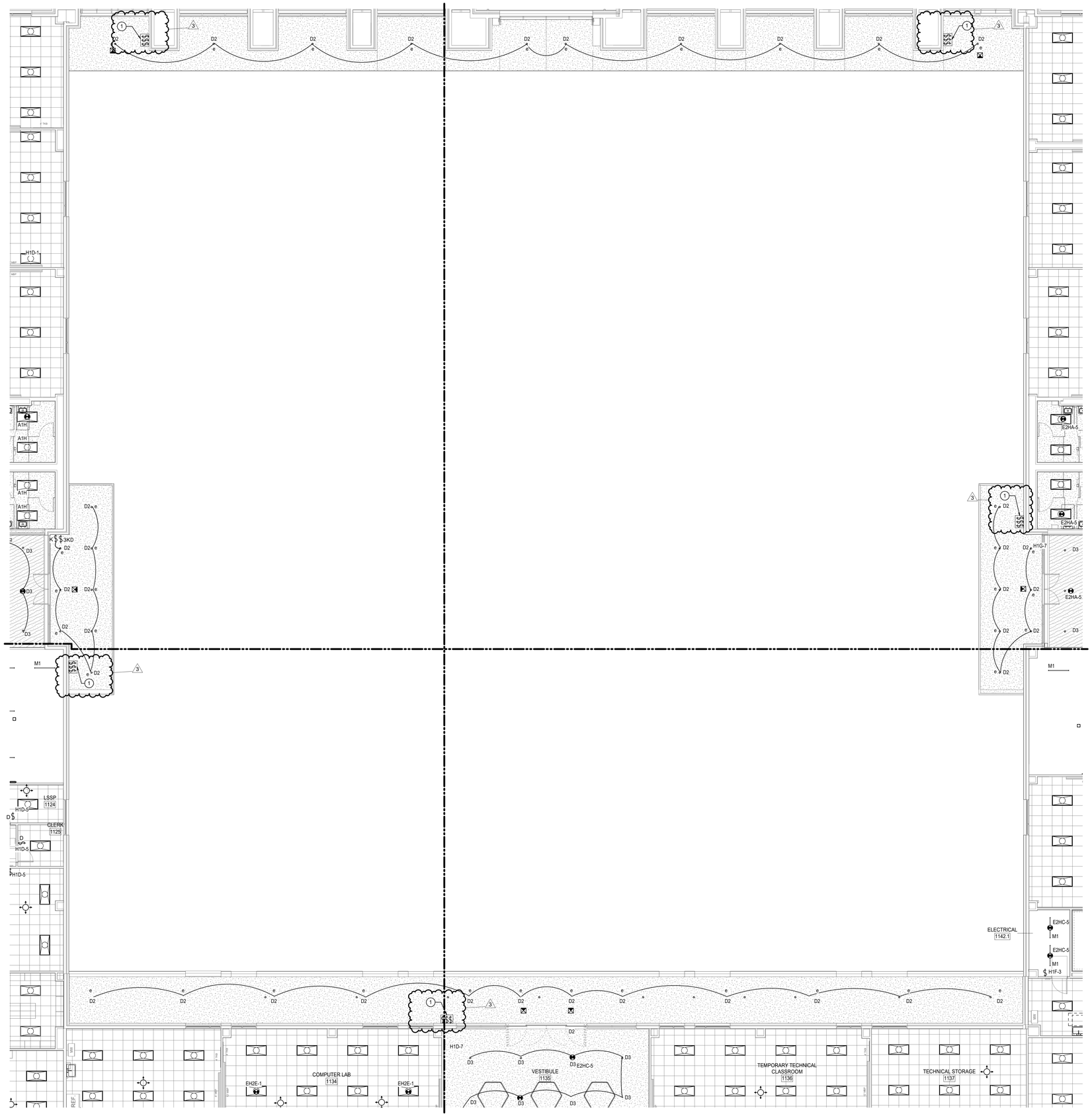
3RD FLOOR POWER PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-103G

1ST FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
E-201G

FOR BLUEBEAM LABELING/OCR:

0"
1"



LIGHTING PLAN GENERAL NOTES

1. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
2. UNLESS OTHERWISE NOTED, ALL 2X4'S ARE TYPE "A2", ALL EXIT SIGNS ARE TYPE "X".
3. UNLESS OTHERWISE NOTED, TWO SWITCHES SIDE-BY-SIDE INDICATES MULTI-LEVEL SWITCHING. PROVIDE ONE-PIECE COVER PLATE FOR LIGHT SWITCHES. DESIGNATION NEXT TO SWITCHES INDICATES BRANCH CIRCUIT NUMBER. PROVIDE CONNECTION TO ALL FIXTURES IN THE ROOM.
4. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM OF OCCUPANCY SENSORS FOR ON/OFF CONTROL OF ALL LIGHT FIXTURES INCLUDING BUT NOT LIMITED TO POWER PACKS, WIRING, ETC. RE: DIVISION 26 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. ALL EMERGENCY LIGHTING BRANCH CIRCUIT(S) SHALL BE 2#10, 1#10G, ¾"C PROVIDE 20A UNSWITCHED BRANCH CIRCUIT (2#12, 1#12G, 3/4"C) FROM EMERGENCY PANEL TO ALL EXIT SIGNS IN THIS AREA, SEE PANEL SCHEDULE FOR CIRCUIT NUMBER(S).

   FIXTURES NOTED AS EMERGENCY SHALL BE PROVIDED POWER AS FOLLOWS:

   A. FOR FIXTURES IN ROOMS WITH BOTH NORMAL AND EMERGENCY FIXTURES A UL 924 EMERGENCY BYPASS DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES WITH EMERGENCY CIRCUIT INDICATED. THE NORMAL CIRCUIT SHALL BE CONNECTED TO AND MONITORED BY THE BYPASS DEVICE. UPON LOSS OF NORMAL POWER EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

   B. FOR FIXTURES IN ROOMS WITH ONLY EMERGENCY FIXTURES A UL 1008 EMERGENCY TRANSFER DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES. BOTH THE EMERGENCY AND NORMAL CIRCUITS AS INDICATED SHALL BE CONNECTED TO TRANSFER DEVICE. UPON LOSS OF NORMAL POWER THE DEVICE SHALL TRANSFER TO THE EMERGENCY CIRCUIT AND EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

LIGHTING PLAN KEYED NOTES

(1) IN LOCKED CABINET PROVIDE 3 LOW VOLTAGE SWITCHES FOR MULTIPURPOSE ROOM
1) ALL ON ALL OFF FOR LIGHT GROUPS a, b, c, d, AND e
2) FOUR GROUP CONTROLLER WITH ON, OFF, RAISE LOWER FOR a,b, c, AND d
3) ON, OFF, RAISE, LOWER FOR GROUP e

1 1ST FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

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Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

G

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

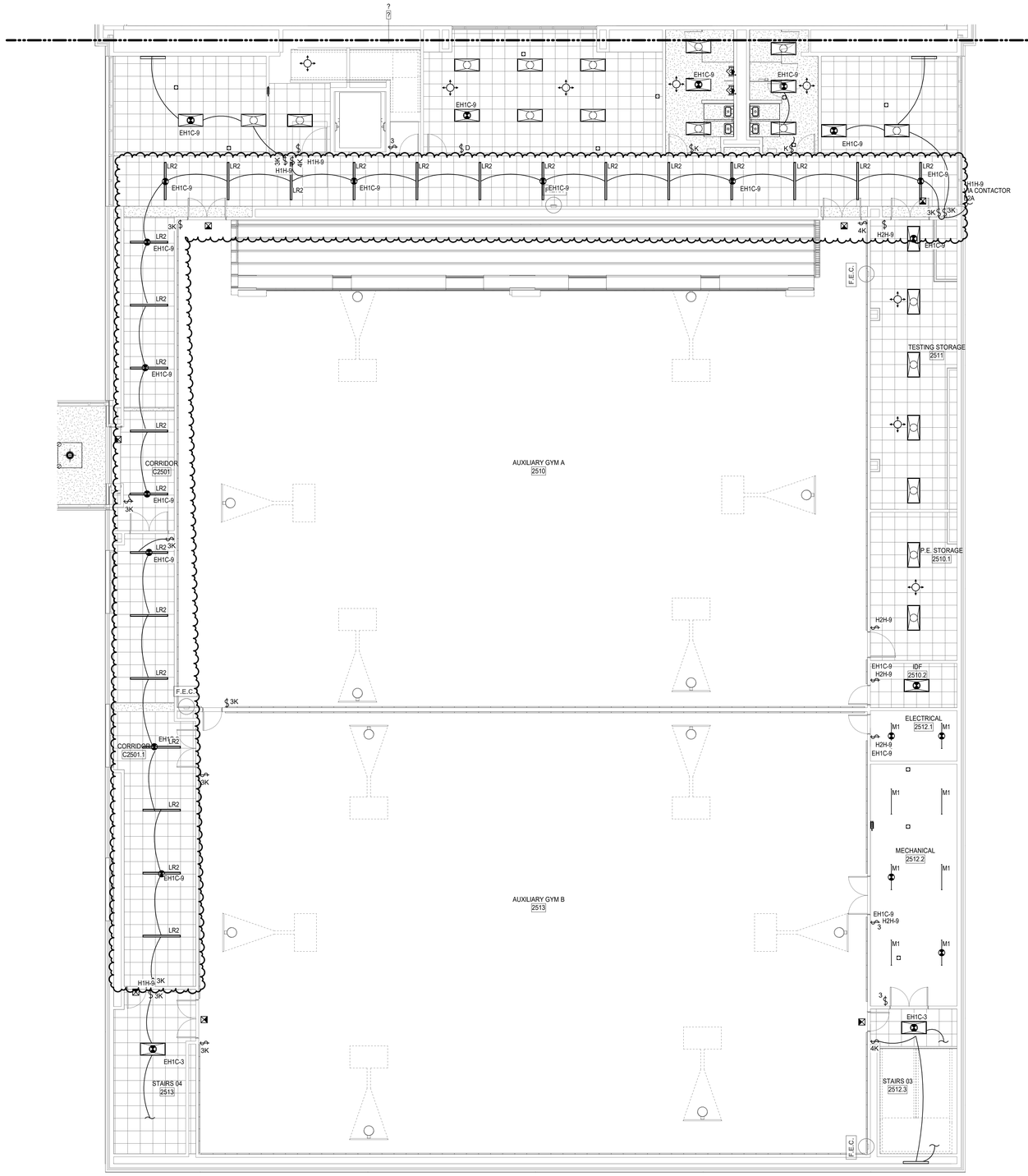
1ST FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-201G

0"
1"

2ND FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN
E-202B

FOR BLUEBEAM LABELING/OCR:



1 **2ND FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN**
SCALE: 1/8" = 1'-0"

LIGHTING PLAN GENERAL NOTES

1. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
2. UNLESS OTHERWISE NOTED, ALL 2X4'S ARE TYPE "A2", ALL EXIT SIGNS ARE TYPE "X".
3. UNLESS OTHERWISE NOTED, TWO SWITCHES SIDE-BY-SIDE INDICATES MULTI-LEVEL SWITCHING. PROVIDE ONE-PIECE COVER PLATE FOR LIGHT SWITCHES. DESIGNATION NEXT TO SWITCHES INDICATES BRANCH CIRCUIT NUMBER. PROVIDE CONNECTION TO ALL FIXTURES IN THE ROOM.
4. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM OF OCCUPANCY SENSORS FOR ON/OFF CONTROL OF ALL LIGHT FIXTURES INCLUDING BUT NOT LIMITED TO POWER PACKS, WIRING, ETC. RE: DIVISION 26 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. ALL EMERGENCY LIGHTING BRANCH CIRCUIT(S) SHALL BE 2#10, 1#10G, ¾"C PROVIDE 20A UNSWITCHED BRANCH CIRCUIT (2#12, 1#12G, 3/4"C) FROM EMERGENCY PANEL TO ALL EXIT SIGNS IN THIS AREA, SEE PANEL SCHEDULE FOR CIRCUIT NUMBER(S).

   FIXTURES NOTED AS EMERGENCY SHALL BE PROVIDED POWER AS FOLLOWS:

   A. FOR FIXTURES IN ROOMS WITH BOTH NORMAL AND EMERGENCY FIXTURES A UL 924 EMERGENCY BYPASS DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES WITH EMERGENCY CIRCUIT INDICATED. THE NORMAL CIRCUIT SHALL BE CONNECTED TO AND MONITORED BY THE BYPASS DEVICE. UPON LOSS OF NORMAL POWER EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

   B. FOR FIXTURES IN ROOMS WITH ONLY EMERGENCY FIXTURES A UL 1008 EMERGENCY TRANSFER DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES. BOTH THE EMERGENCY AND NORMAL CIRCUITS AS INDICATED SHALL BE CONNECTED TO TRANSFER DEVICE. UPON LOSS OF NORMAL POWER THE DEVICE SHALL TRANSFER TO THE EMERGENCY CIRCUIT AND EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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ISSUE FOR PROPOSAL

Galena Park ISD
BUILDING NATIONAL FOOTBALL CHAMPIONS

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
Galena Park ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

2ND FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN

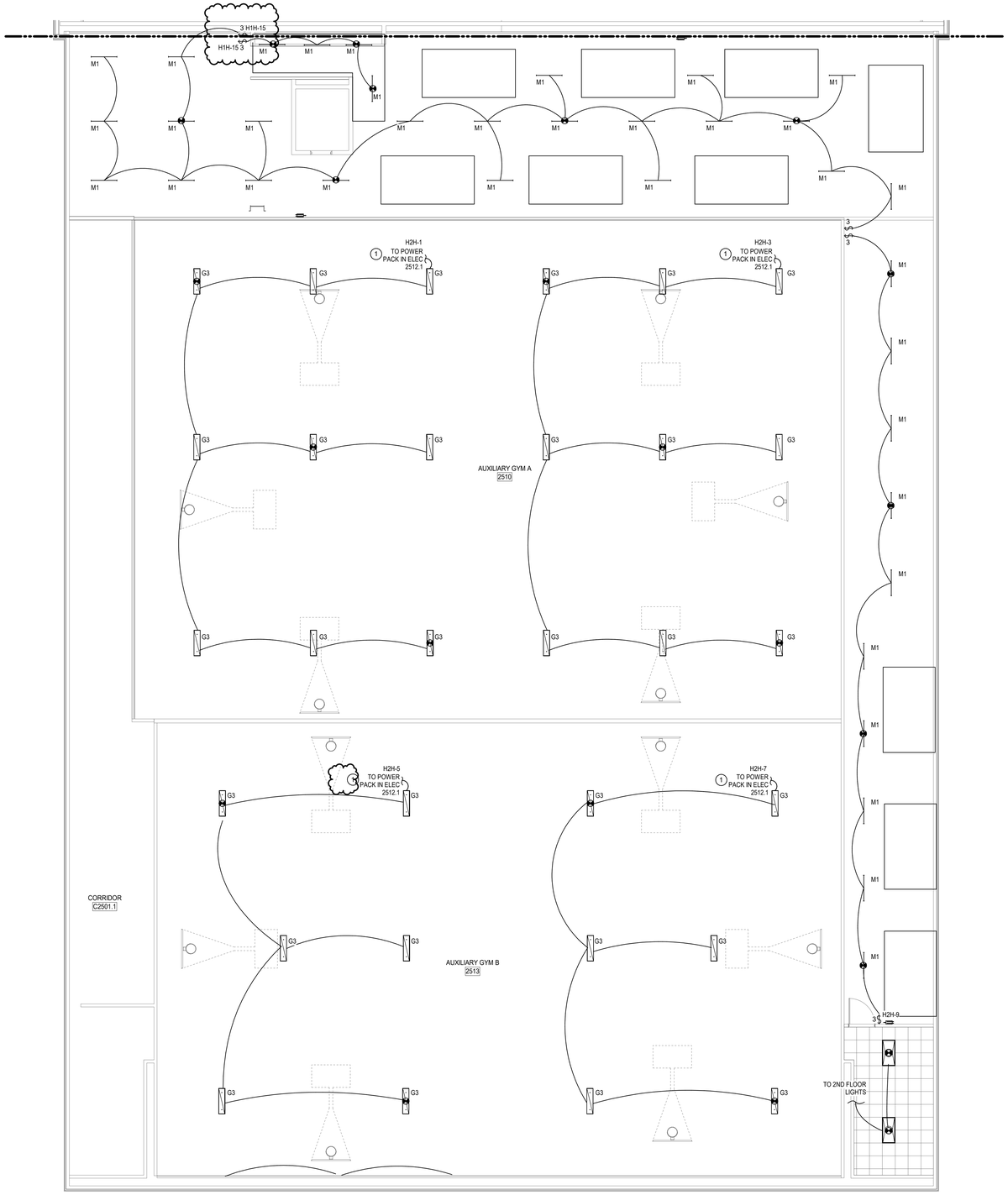
E-202B

Plot Stamp:
12/10/2025 5:15:25 PM

3RD FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN
E-203B

FOR BLUEBEAM LABELING/OCR:

0"
1"



LIGHTING PLAN GENERAL NOTES

1. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
2. UNLESS OTHERWISE NOTED, ALL 2X4'S ARE TYPE "A2", ALL EXIT SIGNS ARE TYPE "X".
3. UNLESS OTHERWISE NOTED, TWO SWITCHES SIDE-BY-SIDE INDICATES MULTI-LEVEL SWITCHING. PROVIDE ONE-PIECE COVER PLATE FOR LIGHT SWITCHES. DESIGNATION NEXT TO SWITCHES INDICATES BRANCH CIRCUIT NUMBER. PROVIDE CONNECTION TO ALL FIXTURES IN THE ROOM.
4. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM OF OCCUPANCY SENSORS FOR ON/OFF CONTROL OF ALL LIGHT FIXTURES INCLUDING BUT NOT LIMITED TO POWER PACKS, WIRING, ETC. RE: DIVISION 26 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. ALL EMERGENCY LIGHTING BRANCH CIRCUIT(S) SHALL BE 2#10, 1#10G, ¾"C PROVIDE 20A UNSWITCHED BRANCH CIRCUIT (2#12, 1#12G, 3/4"C) FROM EMERGENCY PANEL TO ALL EXIT SIGNS IN THIS AREA, SEE PANEL SCHEDULE FOR CIRCUIT NUMBER(S).

   FIXTURES NOTED AS EMERGENCY SHALL BE PROVIDED POWER AS FOLLOWS:

   A. FOR FIXTURES IN ROOMS WITH BOTH NORMAL AND EMERGENCY FIXTURES A UL 924 EMERGENCY BYPASS DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES WITH EMERGENCY CIRCUIT INDICATED. THE NORMAL CIRCUIT SHALL BE CONNECTED TO AND MONITORED BY THE BYPASS DEVICE. UPON LOSS OF NORMAL POWER EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

   B. FOR FIXTURES IN ROOMS WITH ONLY EMERGENCY FIXTURES A UL 1008 EMERGENCY TRANSFER DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES. BOTH THE EMERGENCY AND NORMAL CIRCUITS AS INDICATED SHALL BE CONNECTED TO TRANSFER DEVICE. UPON LOSS OF NORMAL POWER THE DEVICE SHALL TRANSFER TO THE EMERGENCY CIRCUIT AND EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

LIGHTING PLAN KEYED NOTES

1. POWER PACKS FOR LIGHTING CIRCUITS IN THIS ROOM SHALL BE CONTROLLED AS A SINGLE GROUP

3

1 **3RD FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

C

KEY PLAN
NORTH: PLAN ≈ TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT: Galena Park ISD
DATE: December 5, 2025
PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

3RD FLOOR LIGHTING PLAN - AREA B NEW GYM FLOOR PLAN

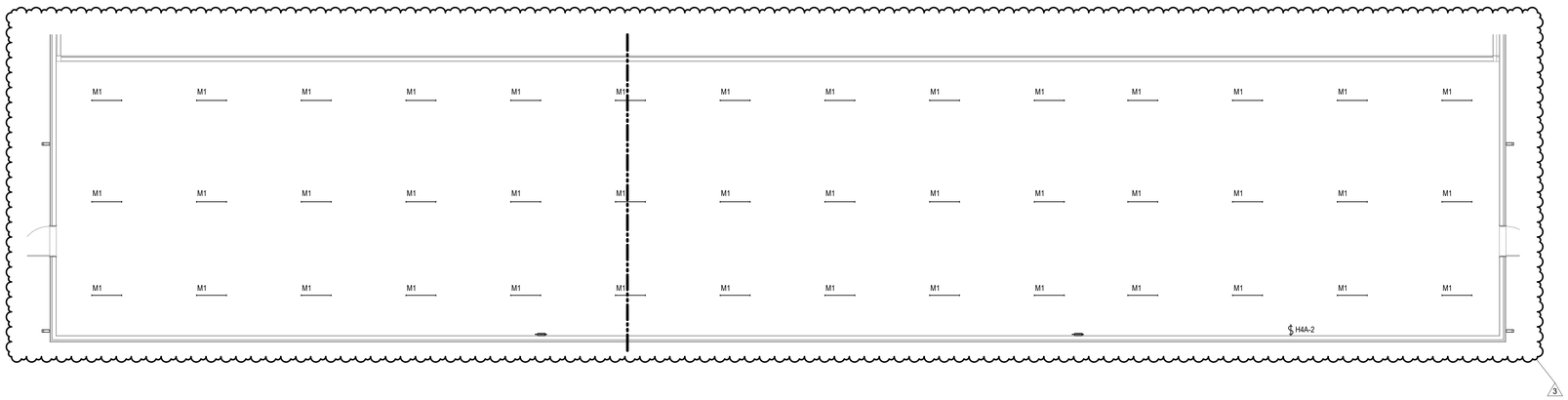
E-203B

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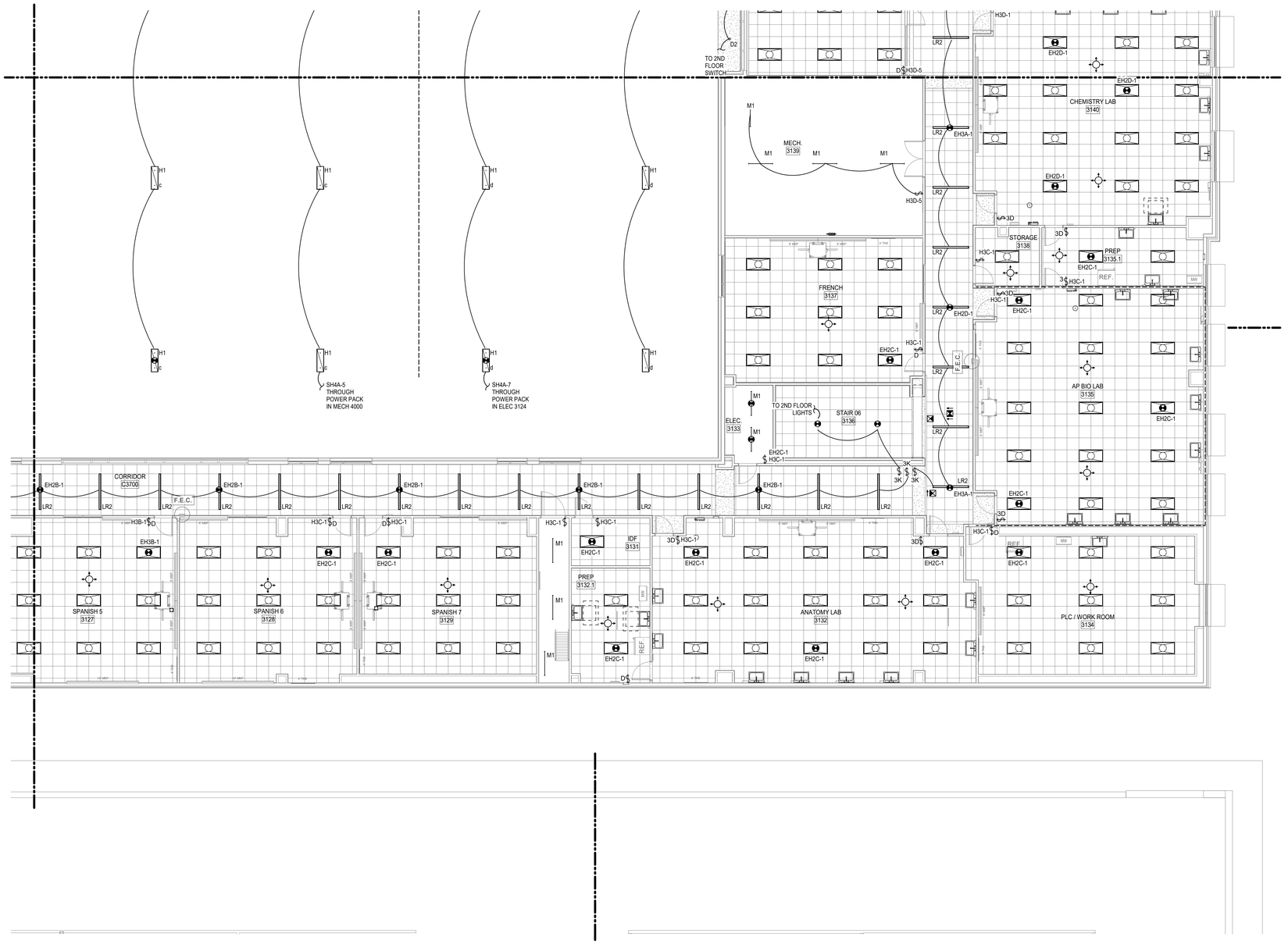
3RD FLOOR LIGHTING PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
E-203D

FOR BLUEBEAM LABELING/OCR:

0"
1"



2 LIGHTING MECH ROOM PLAN
SCALE: 1/8" = 1'-0"



1 3RD FLOOR LIGHTING PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

LIGHTING PLAN GENERAL NOTES

1. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
2. UNLESS OTHERWISE NOTED, ALL 2X4'S ARE TYPE "A2", ALL EXIT SIGNS ARE TYPE "X".
3. UNLESS OTHERWISE NOTED, TWO SWITCHES SIDE-BY-SIDE INDICATES MULTI-LEVEL SWITCHING. PROVIDE ONE-PIECE COVER PLATE FOR LIGHT SWITCHES. DESIGNATION NEXT TO SWITCHES INDICATES BRANCH CIRCUIT NUMBER. PROVIDE CONNECTION TO ALL FIXTURES IN THE ROOM.
4. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM OF OCCUPANCY SENSORS FOR ON/OFF CONTROL OF ALL LIGHT FIXTURES INCLUDING BUT NOT LIMITED TO POWER PACKS, WIRING, ETC. RE: DIVISION 26 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. ALL EMERGENCY LIGHTING BRANCH CIRCUIT(S) SHALL BE 2#10, 1#10G, ¾"C PROVIDE 20A UNSWITCHED BRANCH CIRCUIT (2#12, 1#12G, 3/4"C) FROM EMERGENCY PANEL TO ALL EXIT SIGNS IN THIS AREA, SEE PANEL SCHEDULE FOR CIRCUIT NUMBER(S).

   FIXTURES NOTED AS EMERGENCY SHALL BE PROVIDED POWER AS FOLLOWS:

   A. FOR FIXTURES IN ROOMS WITH BOTH NORMAL AND EMERGENCY FIXTURES A UL 924 EMERGENCY BYPASS DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES WITH EMERGENCY CIRCUIT INDICATED. THE NORMAL CIRCUIT SHALL BE CONNECTED TO AND MONITORED BY THE BYPASS DEVICE. UPON LOSS OF NORMAL POWER EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

   B. FOR FIXTURES IN ROOMS WITH ONLY EMERGENCY FIXTURES A UL 1008 EMERGENCY TRANSFER DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES. BOTH THE EMERGENCY AND NORMAL CIRCUITS AS INDICATED SHALL BE CONNECTED TO TRANSFER DEVICE. UPON LOSS OF NORMAL POWER THE DEVICE SHALL TRANSFER TO THE EMERGENCY CIRCUIT AND EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

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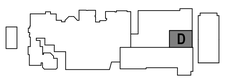
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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
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Galena Park ISD



KEY PLAN

NORTH: PLAN = TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

3RD FLOOR LIGHTING PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-203D

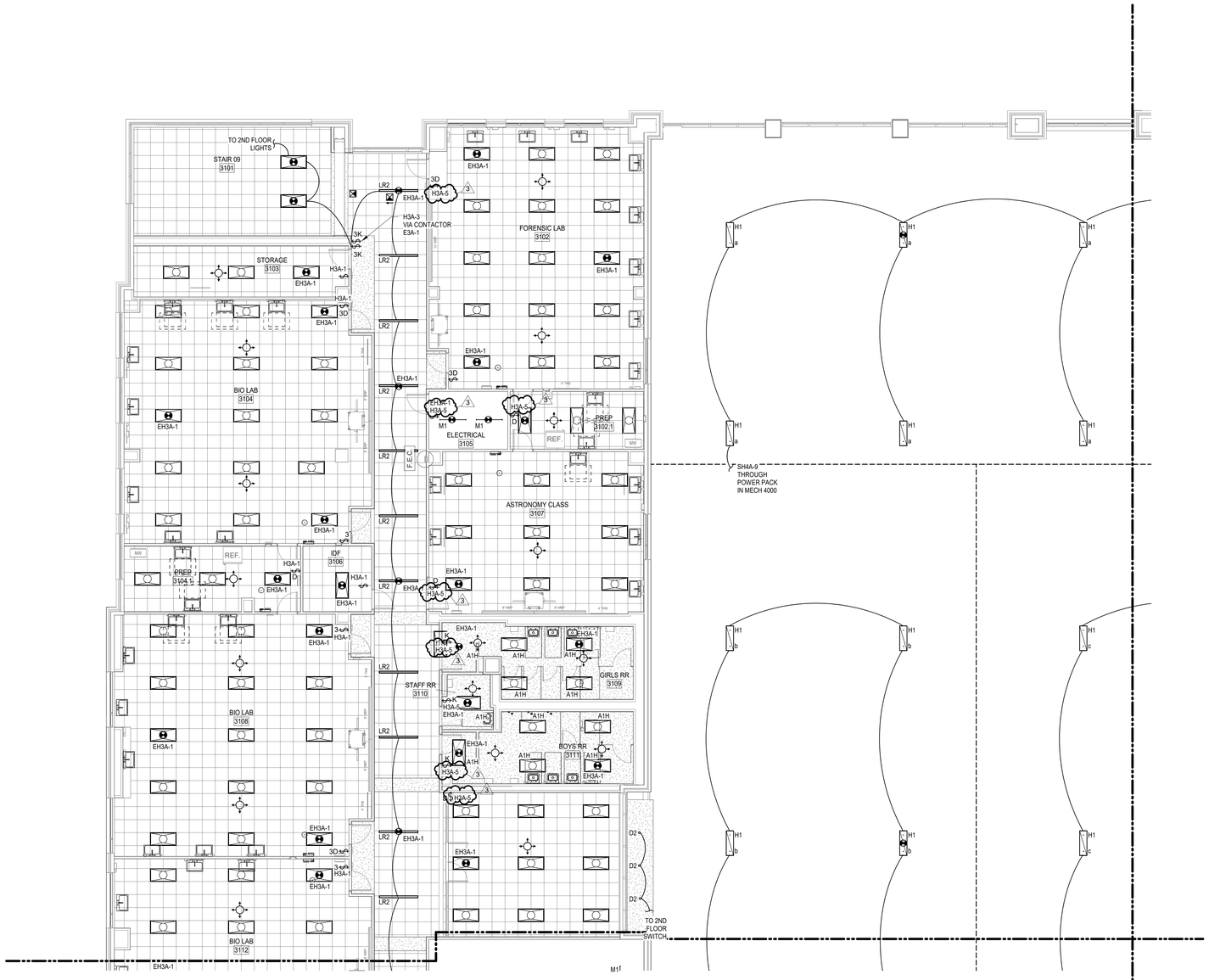
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12/10/2025 5:15:30 PM

0"
1"

3RD FLOOR LIGHTING PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-203E

FOR BLUEBEAM LABELING/OCR:



1 **3RD FLOOR LIGHTING PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN**
SCALE: 1/8" = 1'-0"

LIGHTING PLAN GENERAL NOTES

1. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
2. UNLESS OTHERWISE NOTED, ALL 2X4'S ARE TYPE "A2", ALL EXIT SIGNS ARE TYPE "X".
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   B. FOR FIXTURES IN ROOMS WITH ONLY EMERGENCY FIXTURES A UL 1008 EMERGENCY TRANSFER DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES. BOTH THE EMERGENCY AND NORMAL CIRCUITS AS INDICATED SHALL BE CONNECTED TO TRANSFER DEVICE. UPON LOSS OF NORMAL POWER THE DEVICE SHALL TRANSFER TO THE EMERGENCY CIRCUIT AND EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

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CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
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CHECKED BY: OT
DRAWN BY: LT

3RD FLOOR LIGHTING PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-203E

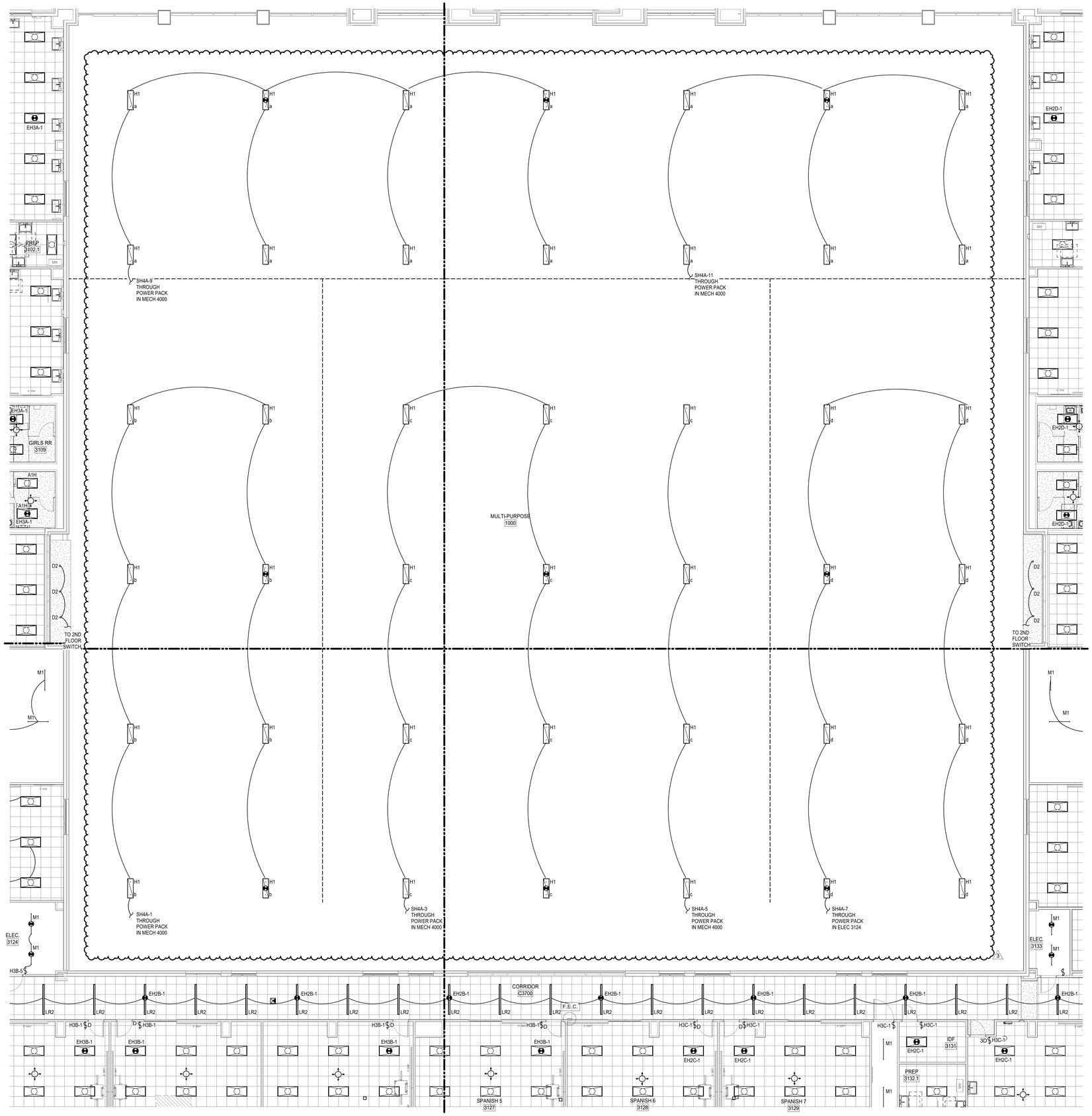
Plot Stamp:
12/10/2025 5:15:32 PM

3RD FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-203G

FOR BLUEBEAM LABELING/OCR:

0"
1"



1 3RD FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

LIGHTING PLAN GENERAL NOTES

1. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
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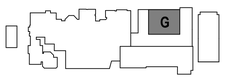
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KEY PLAN

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STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT: Galena Park ISD

DATE: December 5, 2025

PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

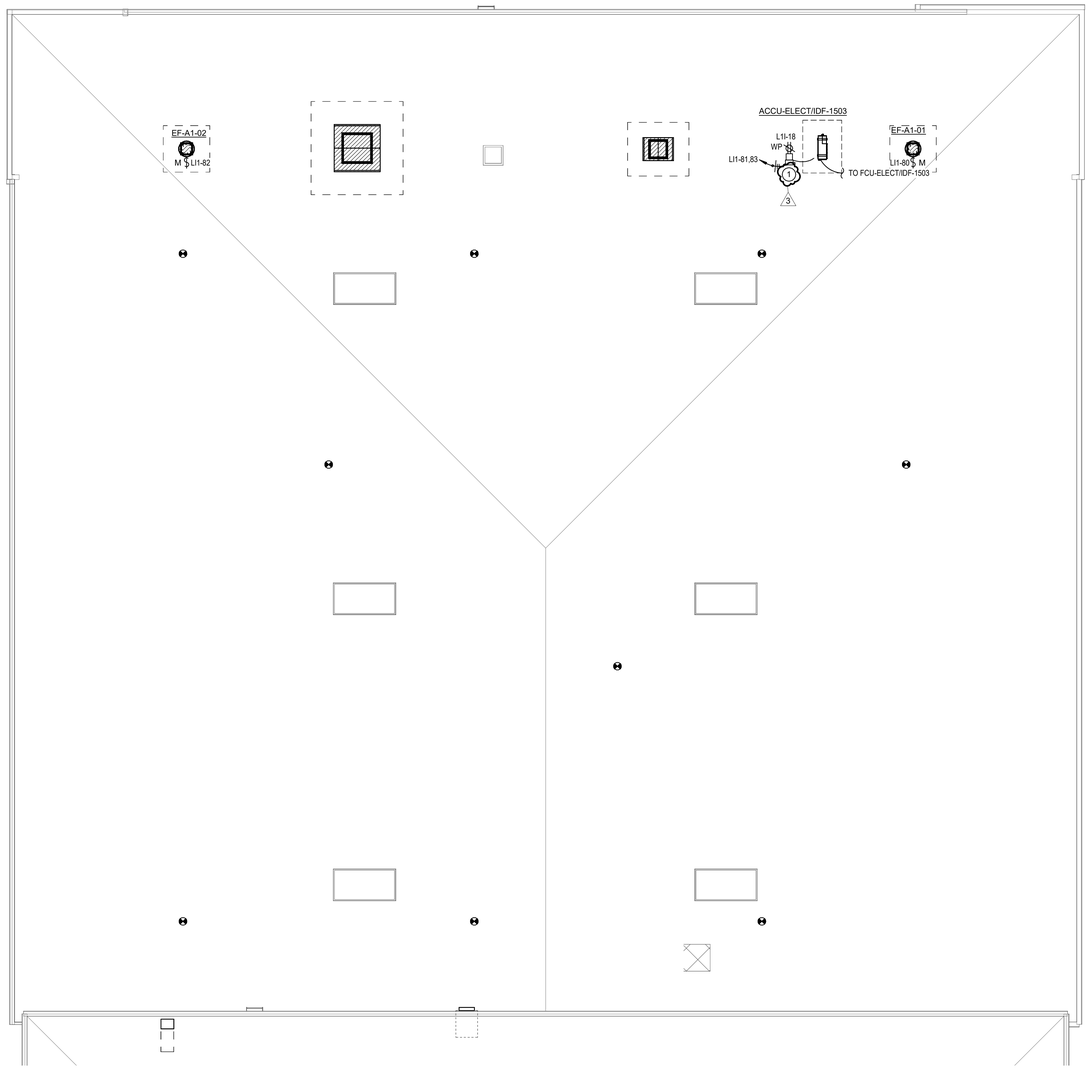
3RD FLOOR LIGHTING PLAN - AREA G NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-203G

Plot Stamp:
12/10/2025 5:15:34 PM

0"

1"



POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1 REFER TO DETAIL 4, E-602 FOR PEDESTAL MOUNT DISCONNECT AND RECEPTACLE.

3

1 ELECTRICAL ROOF PLAN - AREA A NEW GYM FLOOR PLAN
SCALE: 1/8" = 1'-0"

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KEY PLAN

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STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

ELECTRICAL ROOF PLAN - AREA A NEW GYM FLOOR PLAN

E-301A

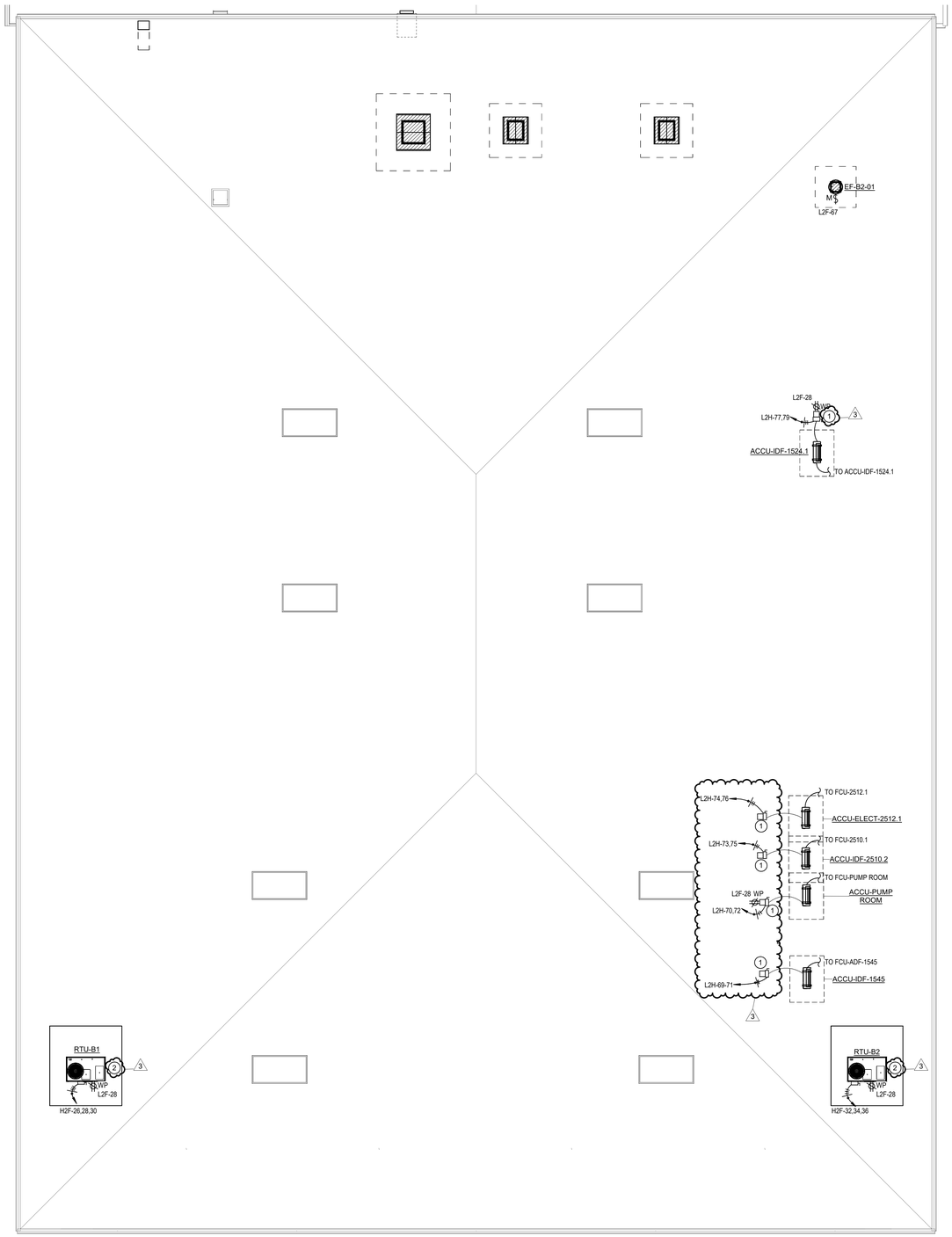
ELECTRICAL ROOF PLAN - AREA A NEW GYM FLOOR PLAN
E-301A
FOR BLUEBEAM LABELING/OCR:

Plot Stamp:
12/10/2025 5:15:34 PM

ELECTRICAL ROOF PLAN - AREA B NEW GYM FLOOR PLAN
E-301B

FOR BLUEBEAM LABELING/OCR:

0"
1"



POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1. REFER TO DETAIL 4, E-602 FOR PEDESTAL MOUNT DISCONNECT AND RECEPTACLE.
2. DISCONNECT AND RECEPTACLE PROVIDED WITH UNIT BY DIVISION 23.

3

1 **ELECTRICAL ROOF PLAN - AREA B NEW GYM FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

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KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
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LICENSED
PROFESSIONAL ENGINEER

December 5, 2025
LEAF ENGINEERS
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DATE	PROJECT NUMBER
December 5, 2025	240539

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CHECKED BY: OT
DRAWN BY: LT

ELECTRICAL ROOF PLAN - AREA B NEW GYM FLOOR PLAN

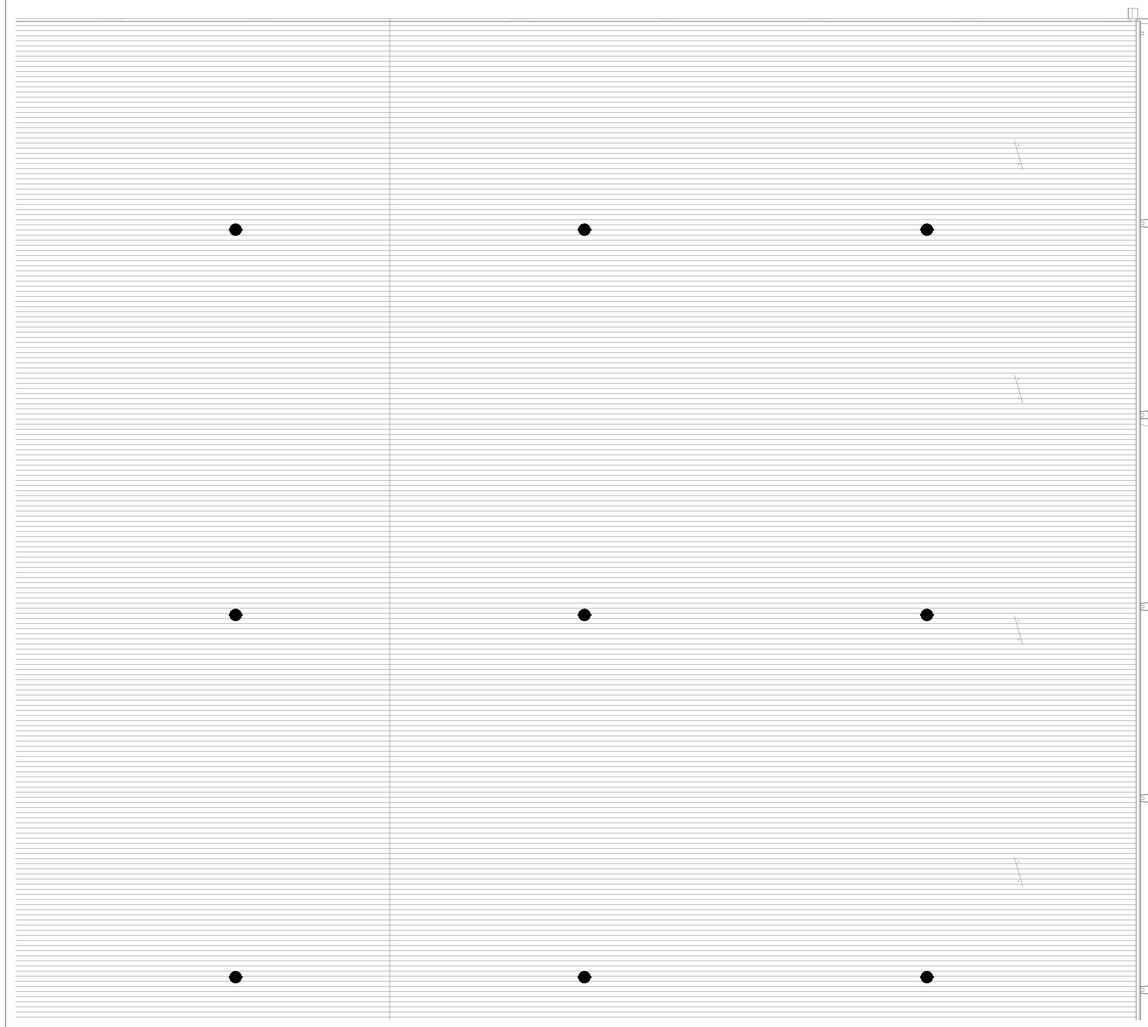
E-301B

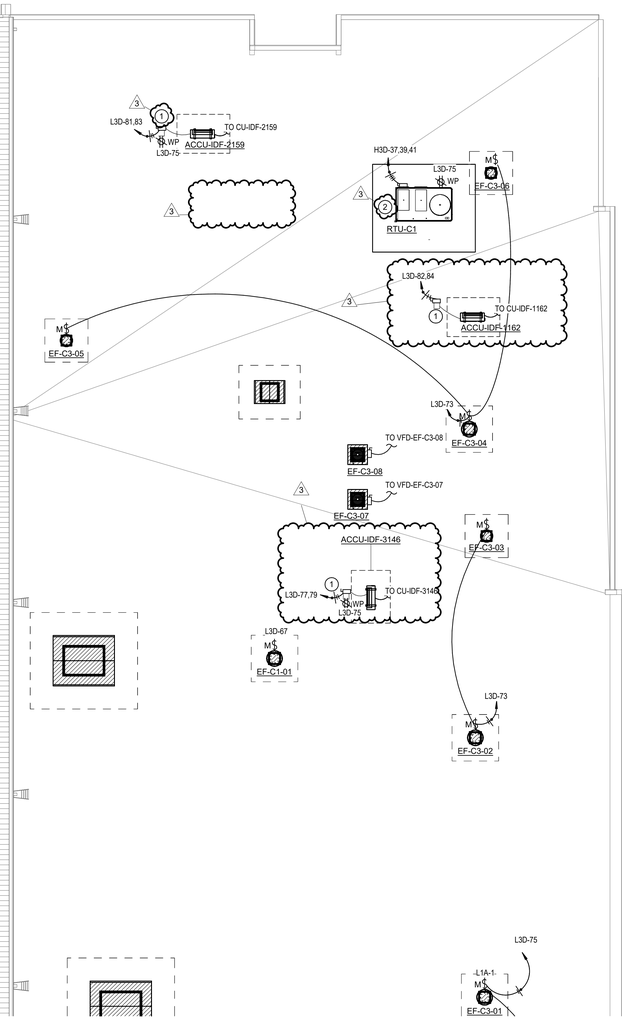
Plot Stamp:
12/10/2025 5:15:37 PM

0"
1"

ELECTRICAL ROOF PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN E-301C

FOR BLUEBEAM LABELING/OCR:





POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1. REFER TO DETAIL 4, E-602 FOR PEDESTAL MOUNT DISCONNECT AND RECEPTACLE.
2. DISCONNECT AND RECEPTACLE PROVIDED WITH UNIT BY DIVISION 23.

1 ELECTRICAL ROOF PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

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LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
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Galena Park ISD

C

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61572
LICENSED PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

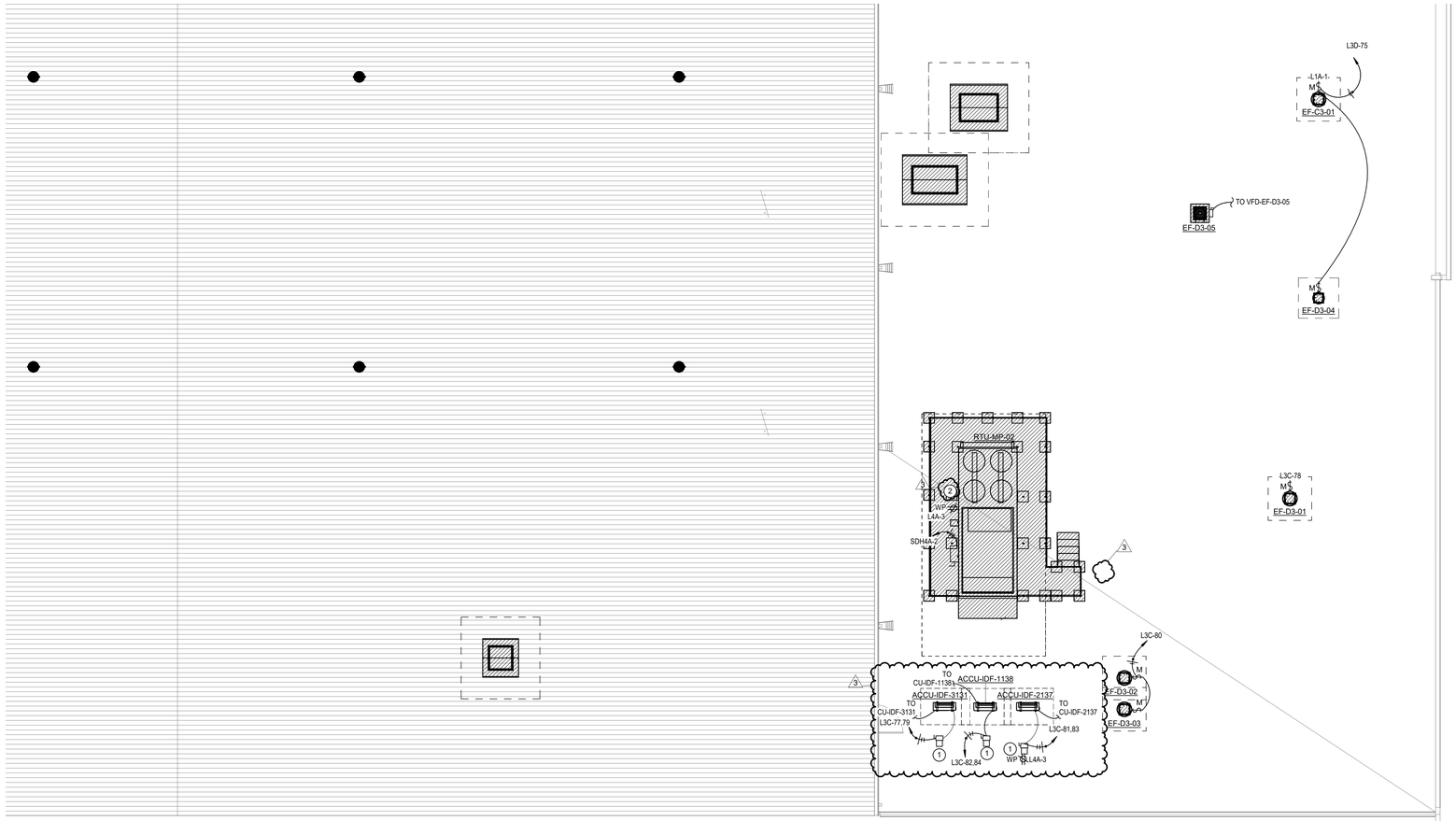
No.	Description	Date
3	ADD 01	2025/12/10

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DRAWN BY: LT

ELECTRICAL ROOF PLAN - AREA C NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-301C

0"
1"



POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
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(2) DISCONNECT AND RECEPTACLE PROVIDED WITH UNIT BY DIVISION 23.

3

1 ELECTRICAL ROOF PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

ELECTRICAL ROOF PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN
E-301D
FOR BLUEBEAM LABELING/OCR:

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D

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61535
LICENSED
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December 5, 2025
LEAF ENGINEERS
F-18672

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Galena Park ISD	
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December 5, 2025	240539

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ELECTRICAL ROOF PLAN - AREA D NEW MULTIPURPOSE FACILITY FLOOR PLAN

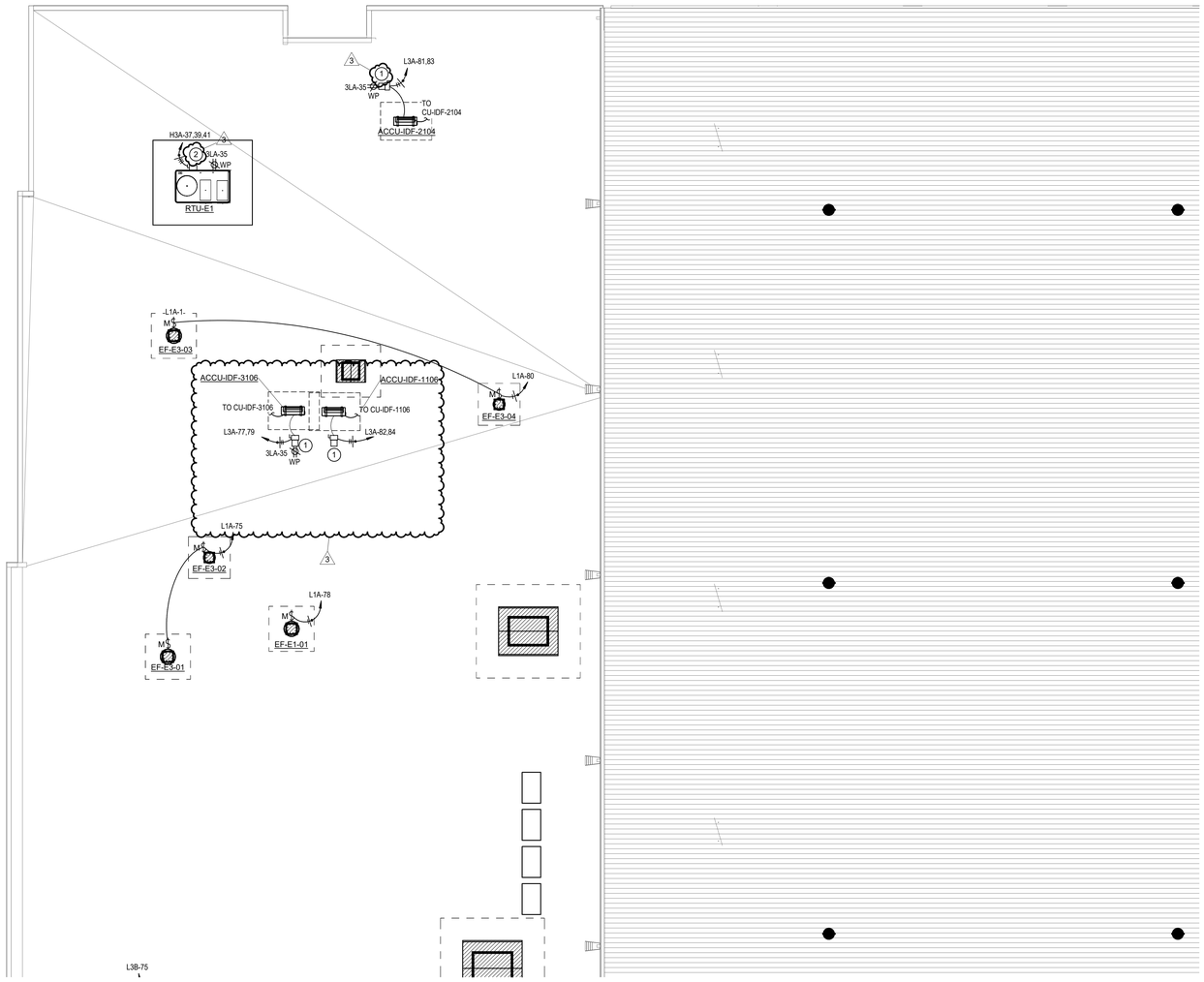
E-301D

Plot Stamp:
12/10/2025 5:15:43 PM

0"
1"

ELECTRICAL ROOF PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
E-301E

FOR BLUEBEAM LABELING/OCR:



1 ELECTRICAL ROOF PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

(1) REFER TO DETAIL 4, E-602 FOR PEDESTAL MOUNT DISCONNECT AND RECEPTACLE.
(2) DISCONNECT AND RECEPTACLE PROVIDED WITH UNIT BY DIVISION 23.

3

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TX FIRM: BR 1608
HOUSTON, TX
713-366-0608

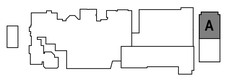
LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL
ENGINEER

December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
Galena Park ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

ELECTRICAL ROOF PLAN - AREA E NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-301E

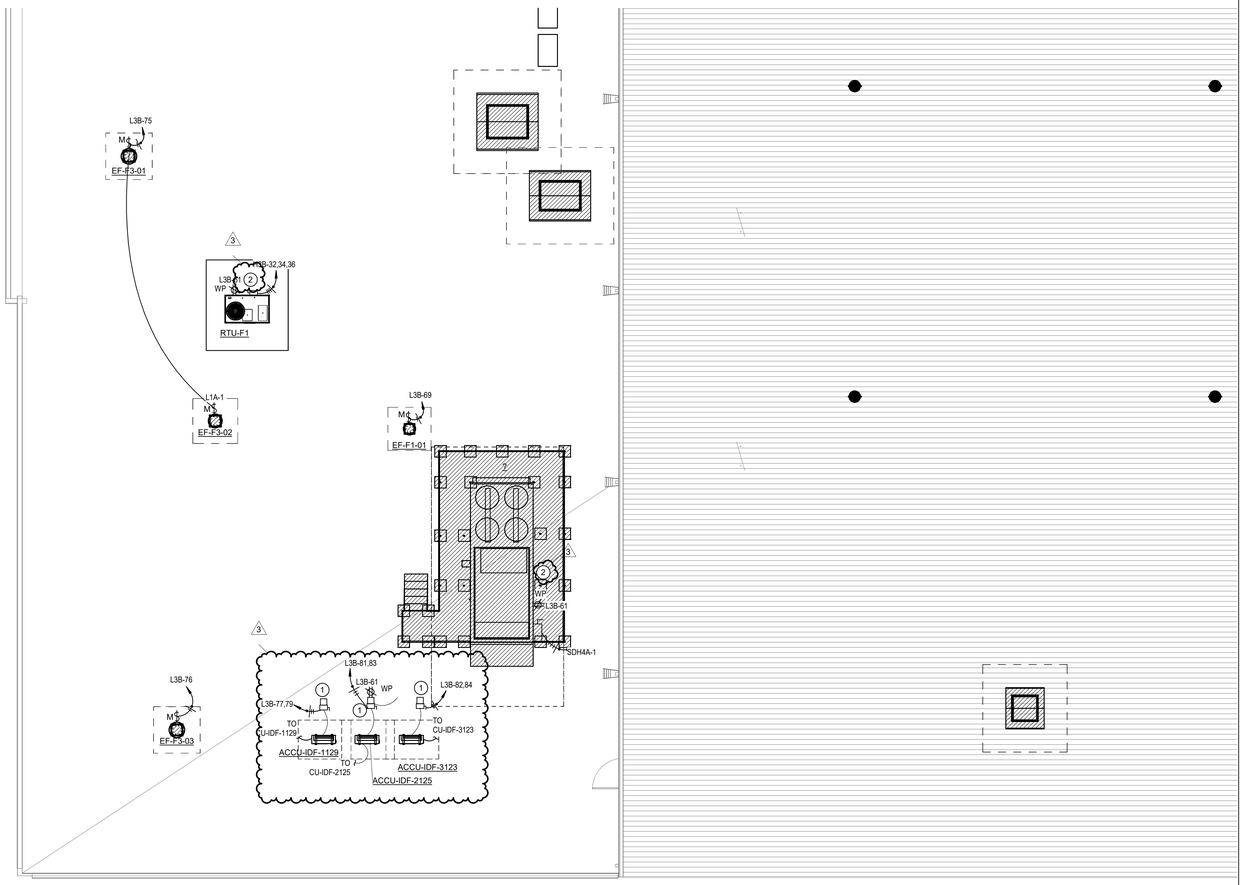
Plot Stamp:
12/10/2025 5:15:46 PM

ELECTRICAL ROOF PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-301F

FOR BLUEBEAM LABELING/OCR:

0"
1"



POWER PLAN GENERAL NOTES:

1. DATA/COMMUNICATION OUTLETS ARE SHOWN ON THIS DRAWING FOR COORDINATION PURPOSES ONLY. PROVIDE AND INSTALL ALL CONDUITS AND BACK BOXES REQUIRED BY LOW VOLTAGE SYSTEMS. COORDINATE WITH 'TS' DRAWINGS, DETAILS, ETC. AND ARCHITECTURAL DRAWINGS FOR EXACT QUANTITIES, LOCATIONS, AND REQUIREMENTS PRIOR TO ROUGH-IN.
2. CONTRACTOR TO PROVIDE CONNECTION FROM EXHAUST FANS TO ALL MOTORIZED BACKDRAFT DAMPERS AS REQUIRED, COORDINATE WITH MECHANICAL.
3. UNLESS OTHERWISE NOTED, ALL DISCONNECT SHOWN SHALL BE 30/NF/3 DISCONNECT.
4. CONTRACTOR SHALL NOTE THAT ALL 15 AMP AND 20 AMP NON-LOCKING TYPE RECEPTACLES THAT ARE NOT LOCATED WITHIN DEDICATED APPLIANCE SPACE AND ARE BELOW 66" ABOVE FINISHED FLOOR SHALL BE TAMPER RESISTANT TYPE RECEPTACLES. PER NEC 406.12.

POWER PLAN KEYED NOTES

1. REFER TO DETAIL 4, E-602 FOR PEDESTAL MOUNT DISCONNECT AND RECEPTACLE.
2. DISCONNECT AND RECEPTACLE PROVIDED WITH UNIT BY DIVISION 23.

3

1 ELECTRICAL ROOF PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN
SCALE: 1/8" = 1'-0"

Plot Stamp:
12/10/2025 5:15:48 PM

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HOUSTON, TX
713-365-0608

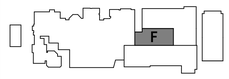
LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN
NORTH: PLAN = TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61535
LICENSED
PROFESSIONAL ENGINEER

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

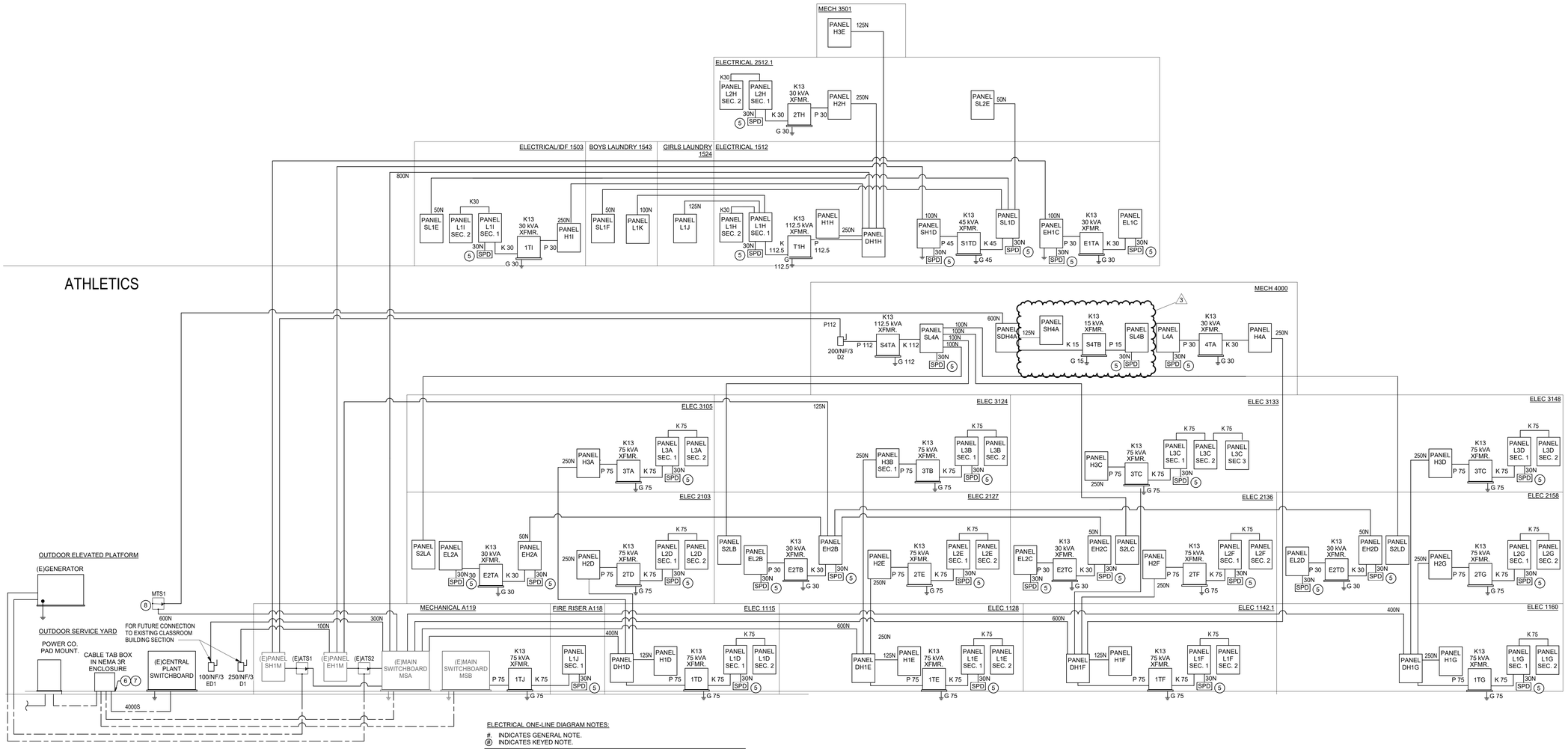
No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

ELECTRICAL ROOF PLAN - AREA F NEW MULTIPURPOSE FACILITY FLOOR PLAN

E-301F

ELECTRICAL RISER DIAGRAM
E-502
FOR BLUEBEAM LABELING/OCR:



ELECTRICAL ONE-LINE DIAGRAM NOTES:

#. INDICATES GENERAL NOTE.
Ⓚ INDICATES KEYED NOTE.

1. UNLESS NOTED OTHERWISE, ALL TRANSFORMERS TO BE 480: 208/120 VOLT 3P, 4W.
2. PROVIDE THRU-FEED LUGS FOR ALL MULTI-SECTION PANELBOARDS.

(3) REFERENCE ONE-LINE DIAGRAM.

(4) 1#6 G, 3/4"C.

(5) SURGE PROTECTIVE DEVICE, RE: DIVISION 26 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(6) PER LOCAL UTILITY COMPANY STANDARDS.

(7) COORDINATE WITH UTILITY AND OWNER FOR SHUTDOWN OF EXISTING SERVICE TO CONNECT NEW SERVICE FOR CENTRAL PLANT. EXISTING CABLE TAP BOX SHALL BE REPLACED TO ACCOMMODATE CONNECTION OF NEW SERVICE.

(8) ESL POWER SERIES 3080 600 A 100% RATED 65 KAIC STORM SWITCH OR APPROVED EQUAL

ALUMINUM FEEDER SCHEDULE

TAG NUMBER	CONDUCTOR QUANTITY AND SIZE	CONDUIT SIZE	SETS	COMMENTS
200	3#250, 1#4G	2"	1	
200N	4#250, 1#4G	2 1/2"	1	
225	3#300, 1#2G	2 1/2"	1	
225N	4#300, 1#2G	3"	1	
250	3#350, 1#2G	2 1/2"	1	
250N	4#350, 1#2G	3"	1	
300	3#500, 1#2G	3"	1	
300N	4#500, 1#2G	3"	1	
400	3#250, 1#1G	2 1/2"	2	
400N	4#250, 1#1G	2 1/2"	2	
600	3#500, 1#2/0G	3"	2	
600N	4#500, 1#2/0G	3 1/2"	2	
800	3#400, 1#3/0G	3"	3	
800N	4#400, 1#3/0G	3"	3	
1200	3#500, 1#3/0G	3"	4	
1200N	4#500, 1#3/0G	3 1/2"	4	

FEEDER SCHEDULE

TAG NUMBER	CONDUCTOR QUANTITY AND SIZE	CONDUIT SIZE	SETS	COMMENTS
30N	4#10, 1#10G	1"	1	
50N	4#6, 1#10G	1"	1	
60N	4#6, 1#10G	1"	1	
100	3#1, 1#8G	1 1/2"	1	
100N	4#1, 1#8G	1 1/2"	1	
125	3#1, 1#6G	1 1/2"	1	
125N	4#1, 1#6G	2"	1	
150	3#1/0, 1#6G	1 1/2"	1	
150N	4#1/0, 1#6G	2"	1	
175	3#2/0, 1#6G	2"	1	
175N	4#2/0, 1#6G	2"	1	
200	3#3/0, 1#6G	2"	1	
200N	4#3/0, 1#6G	2"	1	
225	3#4/0, 1#4G	2"	1	
225N	4#4/0, 1#4G	2 1/2"	1	
250	3#250, 1#4G	2 1/2"	1	
250N	4#250, 1#4G	3"	1	
300	3#350, 1#4G	3"	1	
300N	4#350, 1#4G	3"	1	
400	3#3/0, 1#3G	2"	2	
400N	4#3/0, 1#3G	2"	2	
400S	4#500	3 1/2"	1	
600	3#350, 1#1G	3"	2	
600N	4#350, 1#1G	3"	2	
600S	4#350	3"	2	
800	3#500, 1#1/0G	3"	2	
800N	4#500, 1#1/0G	3 1/2"	2	
800S	4#500	3 1/2"	2	
1000	3#400, 1#2/0G	3"	3	
1000N	4#400, 1#2/0G	3"	3	
1000S	4#400	3"	3	
1200	3#350, 1#3/0G	3"	4	
1200N	4#350, 1#3/0G	3"	4	
1200S	4#350	3"	4	
1600S	4#400	3"	5	
2000S	4#400	3"	6	
2500S	4#500	3 1/2"	7	
3000S	4#500	3 1/2"	8	
4000S	4#500	3 1/2"	11	

TRANSFORMER FEEDER SCHEDULE

TAG NUMBER	CONDUCTOR QUANTITY AND SIZE	CONDUIT SIZE	SETS	COMMENTS
P15	3#10, 1#10G	3/4"	1	
S15	4#6, 1#8G	1"	1	
K15	3#4, 1#6N, 1#8G	1 1/4"	1	
G15	1#8G	1/2"	1	
P15	2#8, 1#10G	3/4"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
S15	3#4, 1#6G	1 1/2"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
G15	1#6G	3/4"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
P25	2#6, 1#10G	1"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
D25	3#1, 1#6G	1 1/2"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
G25	1#6G	3/4"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
P30	3#6, 1#10G	3/4"	1	
S30	4#1, 1#6G	1 1/2"	1	
K30	3 #1/0, 1#2/0N, 1#6G	2"	1	
G30	1#6G	1/2"	1	
P37	2#1, 1#6G	1 1/4"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
D37	3#3/0, 1#4G	3"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
G37	1#4G	3/4"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
P45	3#4, 1#8G	1"	1	
S45	4#1/0, 1#6G	1 1/2"	1	
K45	3#2/0, 1#250, 1#4G	2"	1	
G45	1#6G	1/2"	1	
P50	2#1, 1#6G	1 1/4"	1	
S50	3#3/0, 1#3G	2"	1	
G50	1#3G	3/4"	1	
P75	3#1, 1#8G	1 1/2"	1	
S75	4#4/0, 1#2G	2 1/2"	1	
K75	3#4/0, 2#3/0N, 1#2G	2 1/2"	1	
G75	1#1/0G	1/2"	1	
P75	2#3/0, 1#6G	2"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
S75	3#3/0, 1#4G	2"	2	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
G75	1#4G	3/4"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
P75A	3#1, 1#8G	1 1/2"	1	FOR 480 3Ø: 120/240 3Ø TRANSFORMERS
S75A	4#4/0, 1#2G	2 1/2"	1	FOR 480 3Ø: 120/240 3Ø TRANSFORMERS
G75A	1#2G	1/2"	1	FOR 480 3Ø: 120/240 3Ø TRANSFORMERS
P112	3#2/0, #6G	2"	1	
S112	4#3/0, 1#1/0G	2"	2	
K112	3#4/0, 1#350N, 1#1/0G	2 1/2"	2	
G112	1#1/0G	3/4"	1	
P150	3#250, 1#4G	2 1/2"	1	
S150	4#350, 1#2/0G	3"	2	
K150	3#350, 2#3/0N, 1#2/0G	3"	2	
G150	1#2/0G	3/4"	1	
P167	2#4/0, 1#2/0G	2"	2	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
S167	3#350, 1#3/0G	3"	3	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
G167	1#3/0G	3/4"	1	FOR 480 1Ø: 120/240 1Ø TRANSFORMERS
P225	3#500, 3#3G	3"	1	
S225	4#300, 1#2/0G	3"	1	
K225	3#350, 2#3/0, 1#1G	3 1/2"	3	
G225	1#2/0G	3/4"	1	

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HOUSTON, TX
713-366-0608
LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

ELECTRICAL RISER DIAGRAM

E-502

Plot Stamp:
12/10/2025 5:15:49 PM

ELECTRICAL PANEL SCHEDULES
EP-702
FOR BLUEBEAM LABELING/OCR:

0"
1"

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H2D**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
#N/A							0.00	LIGHT - CLASS, STOR	10	20/1	1	A	2	12	15/1	CVB-E2-01-01			211					0.00
#N/A							0.00	LIGHT - HALL	10	20/1	3	B	4	12	15/1	CVB-E2-01-02			211					0.00
#N/A							0.00	LIGHT - CLASS IDF ELEC	10	20/1	5	C	6	12	15/1	CVB-E2-01-03			211					0.00
							0.00				7	A	8	12	15/1	CVB-E2-01-04			914					0.00
							0.00				9	B	10	12	15/1	CVB-E2-01-05			211					0.00
							0.00				11	C	12	12	15/1	CVB-E2-01-06			211					0.00
							0.00				13	A	14	12	15/1	CVB-E2-01-07			914					0.00
							0.00				15	B	16	12	15/1	CVB-E2-01-08			914					0.00
							0.00				17	C	18											0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
			6316				0.00	OAHU-E2-01	20/3	12	25	A	26											0.00
			6316				0.00	--	--		27	B	28											0.00
			6316				0.00	--	--		29	C	30											0.00
			9141				0.00	AHU-E2-01	20/3	12	31	A	32											0.00
			9141				0.00	--	--		33	B	34											0.00
			9141				0.00	--	--		35	C	36											0.00
			9141				0.00	AHU-F2-01	20/3	12	37	A	38	SEE	125/3	2TD (75 KVA)								0.00
			9141				0.00	--	--		39	B	40	RISER	--	--								0.00
			9141				0.00	--	--		41	C	42		--	--								0.00
#N/A	0	0	73793	0	0	0	0.00	**TOTALS**								**TOTALS**	0	0	3795	0	0	0	0	0.00

LOAD SUMMARY								
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
#N/A	0.0	3.8	73.8	0.0	0.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	0.65	0.50		*Design Factors
#N/A	0.0	3.8	73.8	0.0	0.0	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	#N/A
B	#N/A
C	#N/A

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	#N/A	#N/A		#N/A	#N/A

PANEL: **H2D**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H2E**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
#N/A							0.00	LIGHT - CLASS, LIBRARY	10	20/1	1	A	2	12	15/1	CVB-F2-01-01			914					0.00
#N/A							0.00	LIGHT - HALL	10	20/1	3	B	4	12	15/1	CVB-F2-01-02			211					0.00
#N/A							0.00	LIGHT - CLASS BATH	10	20/1	5	C	6	12	15/1	CVB-F2-01-03			1357					0.00
							0.00				7	A	8	12	15/1	CVB-F2-01-04			211					0.00
							0.00				9	B	10	12	15/1	CVB-F2-01-05			914					0.00
							0.00				11	C	12	12	15/1	CVB-F2-01-06			211					0.00
							0.00				13	A	14	12	15/1	CVB-F2-01-07			211					0.00
							0.00				15	B	16	12	15/1	CVB-F2-01-08			914					0.00
							0.00				17	C	18											0.00
			6011				0.00	EWH-2F	30/3	10	19	A	20	20/3	12	OAHU-F2-01			831					0.00
			6011				0.00	--	--		21	B	22	--		--			831					0.00
			6011				0.00	--	--		23	C	24	--		--			831					0.00
			831				0.00	OAHU-F2-01	20/3	12	25	A	26	20/3	12	AHU-F2-02			3047					0.00
			831				0.00	--	--		27	B	28	--		--			3047					0.00
			831				0.00	--	--		29	C	30	--		--			3047					0.00
			3047				0.00	AHU-F2-02	20/3	12	31	A	32	20/3	12	AHU-F2-03			3047					0.00
			3047				0.00	--	--		33	B	34	--		--			3047					0.00
			3047				0.00	--	--		35	C	36	--		--			3047					0.00
			3047				0.00	AHU-F2-03	20/3	12	37	A	38	SEE	125/3	T2E (75 KVA)	0	7240	93	0	0	5940	0	0.00
			3047				0.00	--	--		39	B	40	RISER	--	--	0	7240	93	0	0	5940	0	0.00
			3047				0.00	--	--		41	C	42		--	--	0	7240	93	0	0	5940	0	0.00
#N/A	0	0	38808	0	0	0	0.00	**TOTALS**								**TOTALS**	0	21720	25997	0	0	17820	0	0.00

LOAD SUMMARY								
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
#N/A	21.7	26.0	38.8	0.0	17.8	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	0.65	0.50		*Design Factors
#N/A	15.9	26.0	38.8	0.0	17.8	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	#N/A
B	#N/A
C	#N/A

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	#N/A	#N/A		#N/A	#N/A

PANEL: **H2E**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H2F**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
#N/A							0.00	LIGHT - CLASS, IDF	10	20/1	1	A	2	12	15/1	CVB-D2-01-01			914					0.00
#N/A							0.00	LIGHT - CLASS, ELEC	10	20/1	3	B	4	12	15/1	CVB-D2-01-02			914					0.00
							0.00				5	C	6	12	15/1	CVB-D2-01-03			211					0.00
							0.00				7	A	8	12	15/1	CVB-D2-01-04			211					0.00
							0.00				9	B	10	12	15/1	CVB-D2-01-05			914					0.00
							0.00				11	C	12	12	15/1	CVB-D2-01-06			211					0.00
							0.00				13	A	14	12	15/1	CVB-D2-01-07			211					0.00
							0.00				15	B	16	12	15/1	CVB-D2-01-08			211					0.00
							0.00				17	C	18	12	15/1	CVB-D2-01-09			211					0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
		3047					0.00	OAHU-C2-01	20/3	12	25	A	26	12	15/2	RTU-B1					2659			0.00
		3047					0.00	--	--		27	B	28		--	--					2659			0.00
		3047					0.00	--	--		29	C	30		--	--					2659			0.00
		3047					0.00	AHU-C2-01	20/3	12	31	A	32	12	15/2	RTU-B2					2659			0.00
		3047					0.00	--	--		33	B	34		--	--					2659			0.00
		3047					0.00	--	--		35	C	36		--	--					2659			0.00
		3047					0.00	AHU-D2-01	20/3	12	37	A	38	SEE	125/3	2TF (75 KVA)	3047							0.00
		3047					0.00	--	--		39	B	40	RISER	--	--	3047							0.00
		3047					0.00	--	--		41	C	42		--	--	3047							0.00
#N/A	0	27423	0	0	0	0	0.00	**TOTALS**								**TOTALS**	9141	0	4005	0	15955	0	0	0.00

LOAD SUMMARY								
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
#N/A	0.0	31.4	0.0	16.0	0.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
#N/A	0.0	31.4	0.0	16.0	0.0	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	#N/A
B	#N/A
C	18.1

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	#N/A	#N/A		#N/A	#N/A

PANEL: **H2F**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H2G**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
#N/A							0.00	LIGHT - CLASS, STOR	10	20/1	1	A	2	12	15/1	CVB-C2-01-01			914					0.00
#N/A							0.00	LIGHT - HALL	10	20/1	3	B	4	12	15/1	CVB-C2-01-02			914					0.00
#N/A							0.00	LIGHT - CLASS, BATH	10	20/1	5	C	6	12	15/1	CVB-C2-01-03			211					0.00
							0.00				7	A	8	12	15/1	CVB-C2-01-04			211					0.00
							0.00				9	B	10	12	15/1	CVB-C2-01-05			914					0.00
							0.00				11	C	12	12	15/1	CVB-C2-01-06			211					0.00
							0.00				13	A	14	12	15/1	CVB-C2-01-07			211					0.00
							0.00				15	B	16	12	15/1	CVB-C2-01-08			211					0.00
							0.00				17	C	18											0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
							0.00				25	A	26											0.00
							0.00				27	B	28											0.00
							0.00				29	C	30											0.00
							0.00				31	A	32											0.00
							0.00				33	B	34											0.00
							0.00				35	C	36											0.00
							0.00				37	A	38	SEE	125/3	2TG (75 KVA)	0	5160	60	0	0	1280	0	0.00
							0.00				39	B	40	RISER	--	--	0	5160	60	0	0	1280	0	0.00
							0.00				41	C	42		--	--	0	5160	60	0	0	1280	0	0.00
#N/A	0	0	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	15480	3975	0	0	3840	0	0.00

LOAD SUMMARY								
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
#N/A	15.5	4.0	0.0	0.0	3.8	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
#N/A	12.7	4.0	0.0	0.0	3.8	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	#N/A
B	#N/A
C	#N/A

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	#N/A	#N/A		#N/A	#N/A

PANEL: **H2G**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H2H**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
1410							0.00	LTG - GYM A 1	20/1	10	1	A	2											0.00
1410							0.00	LTG - GYM A 2	20/1	10	3	B	4											0.00
1410							0.00	LTG - GYM B 1	20/1	10	5	C	6											0.00
1410							0.00	LTG - GYM B 2	20/1	10	7	A	8											0.00
864							0.00	LTG - MECH,STOR,HALL	20/1	10	9	B	10											0.00
							0.00				11	C	12											0.00
							0.00				13	A	14											0.00
							0.00				15	B	16											0.00
							0.00				17	C	18											0.00
		831					0.00	OAH-B1-03 EXHAUST	15/3	12	19	A	20	12	15/3	OAHU-B3-02			1275					0.00
		831					0.00	--	--		21	B	22		--				1275					0.00
		831					0.00	--	--		23	C	24		--				1275					0.00
		942					0.00	OAH-B1-03 SUPPLY	15/3	12	25	A	26	10	25/3	AHU-B3-03			2921					0.00
		942					0.00	--	--		27	B	28		--				2921					0.00
		942					0.00	--	--		29	C	30		--				2921					0.00
		831					0.00	OAH-B1-02 EXHAUST	15/3	12	31	A	32	10	25/3	AHU-B3-04			2921					0.00
		831					0.00	--	--		33	B	34		--				2921					0.00
		831					0.00	--	--		35	C	36		--				2921					0.00
		942					0.00	OAH-B1-02 SUPPLY	15/3	12	37	A	38	SEE	50/3	T2H (30 KVA)	0	2400	4333	0	6336	2267	0	0.00
		942					0.00	--	--		39	B	40	RISER	--		0	2400	4333	0	6336	2267	0	0.00
		942					0.00	--	--		41	C	42		--		0	2400	4333	0	6336	2267	0	0.00
6504	0	10637	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	7200	34353	0	19007	6800	0	0.00

LOAD SUMMARY								
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
6.5	7.2	45.0	0.0	19.0	6.8	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
8.1	7.2	45.0	0.0	19.0	6.8	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	28.8
B	28.3
C	27.4

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	84.5	101.6		86.1	103.6

PANEL: **H2H**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H3A**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
1973							0.00	LIGHT - CLASS, PREP	20/1	10	1	A	2	12	20/1	CVB-E3-01-01			943					0.00
960							0.00	LIGHT - HALL	20/1	10	3	B	4	12	20/1	CVB-E3-01-02			943					0.00
1799							0.00	LIGHT - CLASS PREP BATH	20/1	10	5	C	6	12	20/1	CVB-E3-01-03A			943					0.00
							0.00				7	A	8	12	20/1	CVB-E3-01-03B			690					0.00
							0.00				9	B	10	12	20/1	CVB-E3-01-04A			943					0.00
							0.00				11	C	12	12	20/1	CVB-E3-01-04B			690					0.00
							0.00				13	A	14	12	20/1	CVB-E3-01-05A			690					0.00
							0.00				15	B	16	12	20/1	CVB-E3-01-05B			943					0.00
							0.00				17	C	18	12	20/1	CVB-E3-01-06A			690					0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
							0.00				25	A	26											0.00
							0.00				27	B	28											0.00
							0.00				29	C	30											0.00
							0.00				31	A	32											0.00
							0.00				33	B	34											0.00
							0.00				35	C	36											0.00
		4709					0.00	RTU-E1	20/3	2	37	A	38	SEE	125/3	3TA (75 KVA)	0	7140	2921	0	0	1680	0	0.00
		4709					0.00	--	--		39	B	40	RISER	--	--	0	7140	2921	0	0	1680	0	0.00
		4709					0.00	--	--		41	C	42		--	--	0	7140	2921	0	0	1680	0	0.00
4732	0	14127	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	21420	16239	0	0	5040	0	0.00

LOAD SUMMARY								
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
4.7	21.4	30.4	0.0	0.0	5.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
5.9	15.7	30.4	0.0	0.0	5.0	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	20.7
B	20.2
C	20.6

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	61.6	74.0		57.0	68.6

PANEL: **H3A**

Date: 12/10/2025 | By: Designer

Plot Stamp:
12/10/2025 5:15:49 PM

PBK
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-366-0608

LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)
1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD
EXCELLENCE IN ALL FORMATIVE YEARS

KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAL
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

ELECTRICAL PANEL SCHEDULES

EP-702

ELECTRICAL PANEL SCHEDULES
EP-703
FOR BLUEBEAM LABELING/OCR:

0"
1"

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H3B**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
1603							0.00	LIGHT - CLASS, STOR	20/1	10	**1**	**A**	**2**	12	20/1	CVB-F3-01-01			690					0.00
1200							0.00	LIGHT - HALL	20/1	10	**3**	**B**	**4**	12	20/1	CVB-F3-01-02			690					0.00
1497							0.00	LIGHT - CLASS, MECH, IT	20/1	10	**5**	**C**	**6**	12	20/1	CVB-F3-01-03A			943					0.00
							0.00				**7**	**A**	**8**	12	20/1	CVB-F3-01-03B			943					0.00
							0.00				**9**	**B**	**10**	12	20/1	CVB-F3-01-04			943					0.00
							0.00				**11**	**C**	**12**	12	20/1	CVB-F3-01-05			943					0.00
							0.00				**13**	**A**	**14**	12	20/1	CVB-F3-01-06			943					0.00
							0.00				**15**	**B**	**16**	12	20/1	CVB-F3-01-07			943					0.00
							0.00				**17**	**C**	**18**	12	20/1	CVB-E3-01-06B			690					0.00
		2018					0.00	OAHU-E3-01-EF	20/3	12	**19**	**A**	**20**											0.00
		2018					0.00	--	--		**21**	**B**	**22**											0.00
		2018					0.00	--	--		**23**	**C**	**24**											0.00
		3718					0.00	OAHU-E3-01-SF	30/3	10	**25**	**A**	**26**	10	30/3	ELEVATOR			3878					0.00
		3718					0.00	--	--		**27**	**B**	**28**		--	--			3878					0.00
		3718					0.00	--	--		**29**	**C**	**30**		--	--			3878					0.00
		3718					0.00	AHU-E3-01	30/3	10	**31**	**A**	**32**	12	15/3	RTU-F1					3324			0.00
		3718					0.00	--	--		**33**	**B**	**34**		--	--					3324			0.00
		3718					0.00	--	--		**35**	**C**	**36**		--	--					3324			0.00
		3718					0.00	AHU-F3-01	30/3	10	**37**	**A**	**38**	SEE	125/3	3TB (75 KVA)	120	7980	3208	0	0	1960	0	0.00
		3718					0.00	--	--		**39**	**B**	**40**	RISER	--	--	120	7980	3208	0	0	1960	0	0.00
		3718					0.00	--	--		**41**	**C**	**42**		--	--	120	7980	3208	0	0	1960	0	0.00
4300	0	39518	0	0	0	0	0.00	**TOTALS**								**TOTALS**	360	23940	28986	0	0	9972	5880	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
4.7	23.9	68.5	0.0	10.0	5.9	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
5.8	17.0	68.5	0.0	10.0	5.9	0.0	0.0	Design KVA

Phase Load

Ph	KVA
A	37.8
B	37.4
C	37.7

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	113.0	135.9		107.2	128.9

PANEL: **H3B**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H3C**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
2491							0.00	LIGHT - CLASS, IDF	20/1	10	**1**	**A**	**2**	12	15/1	CVB-D3-01-01			942					0.00
							0.00				**3**	**B**	**4**	12	15/1	CVB-D3-01-02A			942					0.00
							0.00				**5**	**C**	**6**	12	15/1	CVB-D3-01-02B			693					0.00
							0.00				**7**	**A**	**8**	12	15/1	CVB-D3-01-03			942					0.00
							0.00				**9**	**B**	**10**	12	15/1	CVB-D3-01-04A			693					0.00
							0.00				**11**	**C**	**12**	12	15/1	CVB-D3-01-04B			942					0.00
		582					0.00				**13**	**A**	**14**	12	15/1	CVB-D3-01-05			942					0.00
		582					0.00				**15**	**B**	**16**	12	15/1	CVB-C3-01-06A			693					0.00
		582					0.00				**17**	**C**	**18**	12	15/1	CVB-C3-01-06B			942					0.00
		2921					0.00	OAHU-C3-01-EF	20/3	12	**19**	**A**	**20**											0.00
		2921					0.00	--	--		**21**	**B**	**22**											0.00
		2921					0.00	--	--		**23**	**C**	**24**											0.00
		3718					0.00	OAHU-C3-01-SF	30/3	10	**25**	**A**	**26**											0.00
		3718					0.00	--	--		**27**	**B**	**28**											0.00
		3718					0.00	--	--		**29**	**C**	**30**											0.00
		3718					0.00	AHU-C3-01	30/3	10	**31**	**A**	**32**	12	15/3	EF-C3-08			582					0.00
		3718					0.00	--	--		**33**	**B**	**34**		--	--			582					0.00
		3718					0.00	--	--		**35**	**C**	**36**		--	--			582					0.00
		3718					0.00	AHU-D3-01	30/3	10	**37**	**A**	**38**	SEE	125/3	3TC (75 KVA)	0	9220	2528	0	0	2549	0	0.00
		3718					0.00	--	--		**39**	**B**	**40**	RISER	--	--	0	9220	2528	0	0	2549	0	0.00
		3718					0.00	--	--		**41**	**C**	**42**		--	--	0	9220	2528	0	0	2549	0	0.00
2491	0	43972	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	27660	17057	0	0	7648	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
2.5	27.7	61.0	0.0	0.0	7.6	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
3.1	18.8	61.0	0.0	0.0	7.6	0.0	0.0	Design KVA

Phase Load

Ph	KVA
A	34.9
B	31.9
C	32.1

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	98.8	118.9		90.6	109.0

PANEL: **H3C**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H3D**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
1813							0.00	LIGHT - CLASS, STOR	20/1	10	**1**	**A**	**2**	12	15/1	CVB-C3-01-01			1108					0.00
864							0.00	LIGHT - HALL	20/1	10	**3**	**B**	**4**	12	15/1	CVB-C3-01-02			1108					0.00
1764							0.00	LIGHT - CLASS, MECH, IT	20/1	10	**5**	**C**	**6**	12	15/1	CVB-C3-01-03A			1108					0.00
							0.00				**7**	**A**	**8**	12	15/1	CVB-C3-01-03B			831					0.00
							0.00				**9**	**B**	**10**	12	15/1	CVB-C3-01-04A			831					0.00
							0.00				**11**	**C**	**12**	12	15/1	CVB-C3-01-04B			831					0.00
							0.00				**13**	**A**	**14**	12	15/1	CVB-C3-01-05A			831					0.00
							0.00				**15**	**B**	**16**	12	15/1	CVB-C3-01-05B			831					0.00
							0.00				**17**	**C**	**18**											0.00
											19	**A**	**20**											0.00
											21	**B**	**22**											0.00
											23	**C**	**24**											0.00
		582						EF-C3-07	15/3	12	**25**	**A**	**26**											0.00
		582						--	--		**27**	**B**	**28**											0.00
		582						--	--		**29**	**C**	**30**											0.00
		582						EF-C3-08	15/3	12	**31**	**A**	**32**											0.00
		582						--	--		**33**	**B**	**34**											0.00
		582						--	--		**35**	**C**	**36**											0.00
				3767				RTU-C1	20/3	12	**37**	**A**	**38**	SEE	125/3	3TD (75 KVA)	0	8780	3726	0	0	640	0	0.00
				3767				--	--		**39**	**B**	**40**	RISER	--	--	0	8780	3726	0	0	640	0	0.00
				3767				--	--		**41**	**C**	**42**		--	--	0	8780	3726	0	0	640	0	0.00
4441	0	3490	0	11302	0	0	0.00	**TOTALS**								**TOTALS**	0	26340	18658	0	0	1920	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
4.4	26.3	22.1	0.0	11.3	1.9	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
5.6	18.2	22.1	0.0	11.3	1.9	0.0	0.0	Design KVA

Phase Load

Ph	KVA
A	22.7
B	21.7
C	21.8

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	66.2	79.6		59.1	71.1

PANEL: **H3D**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **125 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H3E**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
							0.00				**1**	**A**	**2**											0.00
							0.00				**3**	**B**	**4**											0.00
							0.00				**5**	**C**	**6**											0.00
							0.00				**7**	**A**	**8**											0.00
							0.00				**9**	**B**	**10**											0.00
							0.00				**11**	**C**	**12**											0.00
		1330					0.00	AHU-B1-01	15/3	12	**13**	**A**	**14**											0.00
		1330					0.00	--	--		**15**	**B**	**16**											0.00
		1330					0.00	--	--		**17**	**C**	**18**											0.00
		3878					0.00	AHU-B1-02	30/3	8	**19**	**A**	**20**											0.00
		3878					0.00	--	--		**21**	**B**	**22**											0.00
		3878					0.00	--	--		**23**	**C**	**24**											0.00
		2105					0.00	AHU-B2-01	20/3	12	**25**	**A**	**26**											0.00
		2105					0.00	--	--		**27**	**B**	**28**	12	15/3	EWH-3B			2496					0.00
		2105					0.00	--	--		**29**	**C**	**30**		--	--			2496					0.00
		3047					0.00	AHU-B3-01	25/3	10	**31**	**A**	**32**	12	20/3	OAHU-B1-01			2105					0.00
		3047					0.00	--	--		**33**	**B**	**34**		--	--			2105					0.00
		3047					0.00	--	--		**35**	**C**	**36**		--	--			2105					0.00
		3047					0.00	AHU-B3-02	25/3	10	**37**	**A**	**38**	12	15/3	OAHU-B3-01			2105					0.00
		3047					0.00	--	--		**39**	**B**	**40**		--	--			2105					0.00
		3047					0.00	--	--		**41**	**C**	**42**		--	--			2105					0.00
0	0	40220	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	0	17623	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	0.0	57.8	0.0	0.0	0.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	0.0	57.8	0.0	0.0	0.0	0.0	0.0	Design KVA

Phase Load

Ph	KVA
A	17.6
B	20.1
C	20.1

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	57.8	69.6		57.8	69.6

PANEL: **H3E**

Date: 12/10/2025 | By: Designer

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting **SURFACE** | Main Type **MLO** | Neutral **100%** | Voltage: **480Y/277V-3PH 4W** | Main Size: **250 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **H4A**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
							0.00				**1**	**A**	**2**	(E)	20/1	LIGHT - MECH RM	1344							0.00
							0.00				**3**	**B**	**4**											0.00
							0.00				**5**	**C**	**6**											0.00
							0.00				**7**	**A**	**8**											0.00
							0.00				**9**	**B**	**10**											0.00
							0.00				**11**	**C**	**12**											0.00
							0.00				**13**	**A**	**14**											0.00
							0.00				**15**	**B**	**16**											0.00
							0.00				**17**	**C**	**18**											0.00
							0.00				**19**	**A**	**20**											0.00
							0.00				**21**	**B**	**22**											0.00
							0.00				**23**	**C**	**24**											0.00
		6094					0.00	OAHU-MP-01	40/3	8	**25**	**A**	**26**											0.00
		6094					0.00	--	--		**27**	**B**	**28**											0.00
		6094					0.00	--	--		**29**	**C**	**30**											0.00
		7756					0.00	AHU-MP-01	50/3	6	**31**	**A**	**32**											0.00
		7756					0.00	--	--		**33**	**B**	**34**											0.00
		7756					0.00	--	--		**35**	**C**	**36**											0.00
		7756					0.00	AHU-MP-02	50/3	6	**37**	**A**	**38**	SEE	50/3	4TA (30 KVA)								0.00
		7756					0.00	--	--		**39**	**B**	**40**	RISER	--	--								0.00
		7756					0.00	--	--		**41**	**C**	**42**		--	--								0.00
0	0	64818	0	0	0	0	0.00	**TOTALS**								**TOTALS**	1344	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
1.3	0.0	64.8	0.0	0.0	0.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
1.7	0.0	64.8	0.0	0.0	0.0	0.0	0.0	Design KVA

Phase Load

Ph	KVA
A	23.0
B	21.6
C	21.6

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	66.2	79.6		66.5	80.0

PANEL: **H4A**

Date: 12/10/2025 | By: Designer

Job: GPISD Phase 3b | Job No. 240539 | AIC...

Mounting **SURFACE** | Main... **MLO** | Neutral **200%** | Voltage: **480Y/277V-3PH 4W** | Main... **400 AMPS** | Ground **Equipment Ground** | Lugs **SINGLE**

PANEL: **(E)H1M**

ALL LOADS IN VA																													
Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
		9418					0.00	SHWP-01	50/3	6	**1**	**A**	**2**	(E)	60/3	(E)HXP-1			7479					0.00
		9418					0.00	--	--		**3**	**B**	**4**	--	--	--			7479					0.00
		9418					0.00	--	--		**5**	**C**	**6**	--	--	--			7479					0.00
		9418					0.00	SHWP-02	50/3	6	**7**	**A**	**8**		15/3	SPARE								1.00
		9418					0.00	--	--		**9**	**B**	**10**											0.00
		9418					0.00	--	--		**11**	**C**	**12**											0.00
		1163					0.00	FCU-H1-01	15/3	12	**13**	**A**	**14**	(E)	45/3	(E)PCHP-1			5817					0.00
		1163					0.00	--	--		**15**	**B**	**16**	--	--	--			5817					0.00
		1163					0.00	--	--		**17**	**C**	**18**	--	--	--			5817					0.00
		11634					0.00	DWP-1	70/3	1	**19**	**A**	**20**	(E)	60/3	(E)SCHP-1			7479					0.00
		11634					0.00		--		**21**	**B**	**22**	--	--	--			7479					0.00
		11634					0.00		--		**23**	**C**	**24**	--	--	--			7479					0.00
							1.00	SPARE	15/3	(E)	**25**	**A**	**26**											0.00
							0.00	--	--	--	**27**	**B**	**28**											0.00
							0.00	--	--	--	**29**	**C**	**30**											0.00
							1.00	SPARE	40/3	(E)	**31**	**A**	**32**											0.00
							0.00	--	--	--	**33**	**B**	**34**											0.00
							0.00	--	--	--	**35**	**C**	**36**											0.00
							1.00	SPARE	60/3	(E)	**37**	**A**	**38**	(E)	40/3	(E)AHU-1								0.00
							0.00	--	--	--	**39**	**B**	**40**	--	--	--								0.00
							0.00	--	--	--	**41**	**C**	**42**	--	--	--								0.00
0	0	94900	0	0	0	0	3.00	**TOTALS**								**TOTALS**	0	0	62325	0	0	0	0	1.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	0.0	157.2	0.0	0.0	0.0	0.0	4.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	0.0	157.2	0.0	0.0	0.0	0.0	2.0	Design KVA

Phase Load

Ph	KVA
A	52.4
B	52.4
C	52.4

Panel Remarks:

*Input di...
**100% ...

0

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	161.2	193.9		159.2	191.5

PANEL: **(E)H1M**

Date: 12/10/2025 | By: Designer

Plot Stamp:
12/10/2025 5:15:51 PM

PBK

www.pbk.com

TX FIRM: BR 1608

HOUSTON, TX
713-366-0608

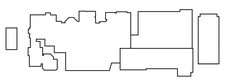
LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN

NORTH: PLAN = TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL
ENGINEER

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT
Galena Park ISD

DATE
December 5, 2025

PROJECT NUMBER
240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

ELECTRICAL PANEL SCHEDULES

EP-703

ELECTRICAL PANEL SCHEDULES
EP-706
FOR BLUEBEAM LABELING/OCR:

0"
1"

Job: GPISD Phase 3b — Job No. 240539

Mounting **SURFACE** — Main... **MCB (225A)** — Neutral **200%**

Voltage: Main... **208Y/120V-3PH 4W** **225 AMPS**

AIC... **10000** — Ground **Equipment Ground** — Lugs **FEED THRU**

PANEL: **L1L** — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
		2880					0.00	B-01	30/3	10	**1**	**A**	**2**	12	15/3	PHWP-01			408					0.00
		2880					0.00	--	--		**3**	**B**	**4**		--	--			408					0.00
		2880					0.00	--	--		**5**	**C**	**6**		--	--			408					0.00
		2880					0.00	B-02	30/3	10	**7**	**A**	**8**	12	15/3	PHWP-02			408					0.00
		2880					0.00	--	--		**9**	**B**	**10**		--	--			408					0.00
		2880					0.00	--	--		**11**	**C**	**12**		--	--			408					0.00
		2880					0.00	B-03	30/3	10	**13**	**A**	**14**	12	15/3	PHWP-03			408					0.00
		2880					0.00	--	--		**15**	**B**	**16**		--	--			408					0.00
		2880					0.00	--	--		**17**	**C**	**18**		--	--			408					0.00
		2880					0.00	B-03	30/3	10	**19**	**A**	**20**	12	15/3	PHWP-04			408					0.00
		2880					0.00	--	--		**21**	**B**	**22**		--	--			408					0.00
		2880					0.00	--	--		**23**	**C**	**24**		--	--			408					0.00
							0.00				**25**	**A**	**26**											0.00
							0.00				**27**	**B**	**28**											0.00
							0.00				**29**	**C**	**30**											0.00
							0.00				**31**	**A**	**32**											0.00
							0.00				**33**	**B**	**34**											0.00
							0.00				**35**	**C**	**36**											0.00
							0.00				**37**	**A**	**38**	10	30/3	SPD								0.00
							0.00				**39**	**B**	**40**	-	-	-								0.00
							0.00				**41**	**C**	**42**	-	-	-								0.00
0	0	34560	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	0	4896	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	
0.0	0.0	39.5	0.0	0.0	0.0	0.0	0.0	Description
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	Connected KVA
0.0	0.0	39.5	0.0	0.0	0.0	0.0	0.0	*Design Factors
								Design KVA

Phase Load

Ph	KVA
A	13.2
B	13.2
C	13.2

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	39.5	109.5		39.5	109.5

PANEL: **L1L**

Date: 12/10/2025 — By: Designer — REMARKS

Job: GPISD Phase 3b — Job No. 240539

Mounting **SURFACE** — Main... **MCB (50A)** — Neutral **200%**

Voltage: Main... **208Y/120V-3PH 4W** **100 AMPS**

AIC... **10000** — Ground **Equipment Ground** — Lugs **SINGLE**

PANEL: **SL4B** — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
		720					0.00	DF-1S A	20/1	8	**1**	**A**	**2**											0.00
		720					0.00	DF-1S B	20/1	8	**3**	**B**	**4**											0.00
		720					0.00	DF-1S C	20/1	8	**5**	**C**	**6**											0.00
		720					0.00	DF-1S D	20/1	8	**7**	**A**	**8**											0.00
		480					0.00	DF-1S E	20/1	8	**9**	**B**	**10**											0.00
		480					0.00	DF-1S F	20/1	8	**11**	**C**	**12**											0.00
							0.00				**13**	**A**	**14**											0.00
							0.00				**15**	**B**	**16**											0.00
							0.00				**17**	**C**	**18**											0.00
							0.00				**19**	**A**	**20**											0.00
							0.00				**21**	**B**	**22**											0.00
							0.00				**23**	**C**	**24**											0.00
							0.00				**25**	**A**	**26**	10	30/3	SPD								0.00
							0.00				**27**	**B**	**28**	-	-	-								0.00
							0.00				**29**	**C**	**30**	-	-	-								0.00
0	0	3840	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	
0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	Description
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	Connected KVA
0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	*Design Factors
								Design KVA

Phase Load

Ph	KVA
A	1.4
B	1.2
C	1.2

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	3.8	10.7		3.8	10.7

PANEL: **SL4B**

Date: 12/10/2025 — By: Designer — REMARKS

3

Job: GPISD Phase 3b — Job No. 240539

Mounting **SURFACE** — Main... **MCB (225A)** — Neutral **200%**

Voltage: Main... **208Y/120V-3PH 4W** **225 AMPS**

AIC... **10000** — Ground **Equipment Ground** — Lugs **FEED THRU**

PANEL: **L2D** — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	540						0.00	RECP - MATH #1 A	20/1	12	**1**	**A**	**2**	12	20/1	RECP - MATH #2 A		540						0.00
	720						0.00	RECP - MATH #1 B	20/1	12	**3**	**B**	**4**	12	20/1	RECP - MATH #2 B		720						0.00
	540						0.00	RECP - MATH #1 C	20/1	12	**5**	**C**	**6**	12	20/1	RECP - MATH #2 C		540						0.00
	540						0.00	RECP - MATH #3 A	20/1	12	**7**	**A**	**8**	12	20/1	RECP - MATH #4 A		540						0.00
	720						0.00	RECP - MATH #3 B	20/1	12	**9**	**B**	**10**	12	20/1	RECP - MATH #4 B		720						0.00
	540						0.00	RECP - MATH #3 C	20/1	12	**11**	**C**	**12**	12	20/1	RECP - MATH #4 C		540						0.00
	540						0.00	RECP - MATH #5 A	20/1	12	**13**	**A**	**14**		20/1	RECP - COLLAB A		360						0.00
	720						0.00	RECP - MATH #5 B	20/1	12	**15**	**B**	**16**		20/1	RECP - COLLAB B		360						0.00
	540						0.00	RECP - MATH #5 C	20/1	12	**17**	**C**	**18**		20/1	RECP - BALCONY		360						0.00
	540						0.00	RECP - MATH #6 A	20/1	12	**19**	**A**	**20**		20/1	RECP - SPEC. STOR								0.00
	720						0.00	RECP - MATH #6 B	20/1	12	**21**	**B**	**22**		20/1	SPARE								1.00
	540						0.00	RECP - MATH #6 C	20/1	12	**23**	**C**	**24**		20/1	SPARE								1.00
							0.00				**25**	**A**	**26**		20/1	SPARE								1.00
							0.00				**27**	**B**	**28**		20/1	SPARE								1.00
							0.00				**29**	**C**	**30**											0.00
							0.00				**31**	**A**	**32**											0.00
							0.00				**33**	**B**	**34**											0.00
	540						0.00	RECP - ELEC. BRIDGE	20/1	12	**35**	**C**	**36**											0.00
	540						0.00	RECP - HALL	20/1	12	**37**	**A**	**38**	10	30/3	SPD								0.00
	540						0.00	RECP - RESTROOMS	20/1	12	**39**	**B**	**40**	-	-	-								0.00
					1200		0.00	RECP - WATER FOUNT	20/1	12	**41**	**C**	**42**	-	-	-								0.00
0	8820	0	0	0	1200	0	0.00	**TOTALS**								**TOTALS**	0	4680	0	0	0	0	0	4.00

PANEL: **L2D** **2** **(Sectio...**

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
					1920		0.00	MULTI DISPLAY A	20/1	12	**43**	**A**	**44**											0.00
					1920		0.00	MULTI DISPLAY B	20/1	12	**45**	**B**	**46**											0.00
							0.00				**47**	**C**	**48**											0.00
							0.00				**49**	**A**	**50**											0.00
							0.00				**51**	**B**	**52**											0.00
							0.00				**53**	**C**	**54**											0.00
							0.00				**55**	**A**	**56**											0.00
							0.00				**57**	**B**	**58**											0.00
							0.00				**59**	**C**	**60**											0.00
							0.00				**61**	**A**	**62**											0.00
							0.00				**63**	**B**	**64**											0.00
							0.00				**65**	**C**	**66**											0.00
							0.00				**67**	**A**	**68**											0.00
							0.00				**69**	**B**	**70**											0.00
							0.00				**71**	**C**	**72**											0.00
							0.00				**73**	**A**	**74**											0.00
							0.00				**75**	**B**	**76**											0.00
							0.00				**77**	**C**	**78**											0.00
							0.00				**79**	**A**	**80**											0.00
							0.00				**81**	**B**	**82**											0.00
						180	0.00	VAV-E2-01-01	15/1	12	**83**	**C**	**84**											0.00
0	0	0	0	0	4020	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	
0.0	13.5	0.0	0.0	0.0	5.2	0.0	4.0	Description
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	Connected KVA
0.0	11.8	0.0	0.0	0.0	5.2	0.0	2.0	*Design Factors
								Design KVA

Phase Load

Ph	KVA
A	6.1
B	7.1
C	5.5

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	22.7	63.1		19.0	52.7

PANEL: **L2D**

Date: 12/10/2025 — By: Designer — REMARKS

Job: GPISD Phase 3b — Job No. 240539

Mounting **SURFACE** — Main... **MCB (225A)** — Neutral **200%**

Voltage: Main... **208Y/120V-3PH 4W** **225 AMPS**

AIC... **10000** — Ground **Equipment Ground** — Lugs **FEED THRU**

PANEL: **L2E** — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	540						0.00	RECP - MATH #6 A	20/1	12	**1**	**A**	**2**	20/1	12	RECP - MATH #8 A		540						0.00
	720						0.00	RECP - MATH #6 B	20/1	12	**3**	**B**	**4**	20/1	12	RECP - MATH #8 B		720						0.00
	540						0.00	RECP - MATH #6 C	20/1	12	**5**	**C**	**6**	20/1	12	RECP - MATH #8 C		540						0.00
	720						0.00	RECP - MATH #3 B	20/1	12	**9**	**B**	**10**	20/1	12	RECP - MATH #10 B		720						0.00
	540						0.00	RECP - MATH #3 C	20/1	12	**11**	**C**	**12**	20/1	12	RECP - MATH #10 C		540						0.00
	720						0.00	RECP - COMP LAB A	20/1	12	**13**	**A**	**14**	20/1	12	RECP - MATH #11 A		540						0.00
	720						0.00	RECP - COMP LAB B	20/1	12	**15**	**B**	**16**	20/1	12	RECP - MATH #11 B		720						0.00
	720						0.00	RECP - COMP LAB C	20/1	12	**17**	**C**	**18**	20/1	12	RECP - MATH #11 C		540						0.00
	720						0.00	RECP - COMP LAB D	20/1	12	**19**	**A**	**20**	20/1	12	RECP - MATH #12 A		540						0.00
	720						0.00	RECP - COMP LAB E	20/1	12	**21**	**B**	**22**	20/1	12	RECP - MATH #12 B		720						0.00
	720						0.00	RECP - COMP LAB F	20/1	12	**23**	**C**	**24**	20/1	12	RECP - MATH #12 C		540						0.00
	720						0.00	RECP - COMP LAB G	20/1	12	**25**	**A**	**26**	20/1		SPARE								1.00
	720						0.00	RECP - COMP LAB H	20/1	12	**27**	**B**	**28**	20/1		SPARE								1.00
	360						0.00	RECP - COMP LAB I	20/1	12	**29**	**C**	**30**	20/1		SPARE								1.00
							0.00				**31**	**A**	**32**	20/1		SPARE								1.00
							0.00				**33**	**B**	**34**	20/1		SPARE								1.00
							0.00				**35**	**C**	**36**	20/1		SPARE								1.00
							0.00	RECP - MECH. HALL	20/1	12	**37**	**A**	**38**	10	30/3	SPD								0.00
	1260						0.00	RECP - HALL, BATHS	20/1	12	**39**	**B**	**40**	-	-	-								0.00
	720						0.00	RECP - MECH, BALC	20/1	12	**41**	**C**	**42**	-	-	-								0.00
0	11700	0	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	7200	0	0	0	0	0	6.00

PANEL: **L2E** **2** **(Sectio...**

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	180						0.00	RECP - WORKPLC A	20/1	12	**43**	**A**	**44**	20/1	12	MULTI DISPLAY A						1920		0.00
	180						0.00	RECP - WORKPLC B	20/1	12	**45**	**B**	**46**	20/1	12	MULTI DISPLAY B						1920		0.00
	1200						0.00	RECP - WORKPLC C	20/1	12	**47**	**C**	**48**	20/1	12	MULTI DISPLAY C						1920		0.00
	180						0.00	RECP - WORKPLC D	20/1	12	**49**	**A**	**50**											0.00
	180						0.00	RECP - WORKPLC E	20/1	12	**51**	**B**	**52**											0.00
	180						0.00	RECP - WORKPLC F	20/1	12	**53**	**C**	**54**											0.00
	720						0.00	RECP - WORKPLC G	20/1	12	**55**	**A**	**56**											0.00
					720		0.00	RECP - FRIDGE(1)	20/1	12	**57**	**B**	**58**											0.00
					1200		0.00	RECP - COPIER	20/1	12	**59**	**C**	**60**											0.00
					1200		0.00	RECP - COPIER(1)	20/2	12	**61**	**A**	**62**											0.00
					1200		0.00	--	--		**63**	**B**	**64**											0.00
							0.00				**65**	**C**	**66**											0.00
							0.00				**67**	**A**	**68**											0.00
							0.00				**69**	**B**	**70**											0.00
							0.00				**71**	**C**	**72**	12	20/1	UV AHU-E2-01						1200		0.00
							0.00				**73**	**A**	**74**	12	20/1	UV AHU-F2-01						1200		0.00
							0.00				**75**	**B**	**76**	12	20/1	UV OAHU-E2-01						1200		0.00
							0.00				**77**	**C**	**78**	12	20/1	UV AHU-F2-02						1200		0.00
	100						0.00	CP-2F	15/1	12	**79**	**A**	**80**	12	20/1	UV AHU-F2-03						1200		0.00
					180		0.00	BAS PANEL	20/1	12	**81**	**B**	**82**	12	20/1	UV OAHU-F2-01						1200		0.00
	180						0.00	VAV-F2-01-01	15/1	12	**83**	**C**	**84**	12	20/1	TRAP PRIMERS						360		0.00
0	2820	280	0	0	4500	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	13320	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	
0.0	21.7	0.3	0.0	0.0	17.8	0.0	6.0	Description
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	Connected KVA
0.0	15.9	0.3	0.0	0.0	17.8	0.0	3.0	*Design Factors
								Design KVA

Phase Load

Ph	KVA
A	12.1
B	14.5
C	13.2

Panel Remarks:
(1)GFI GROUND FAULT PROTECTION

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	45.8	127.2		37.0	102.6

PANEL: **L2E**

Date: 12/10/2025 — By: Designer — REMARKS

Plot Stamp:
12/10/2025 5:15:52 PM

PBK

www.pbk.com

TX FIRM: BR 1608

HOUSTON, TX
713-366-0608

LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAS — DONALD C. RICHARDS — 61525 — LICENSED PROFESSIONAL ENGINEER — SURVEYOR

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

ELECTRICAL PANEL SCHEDULES

EP-706

ELECTRICAL PANEL SCHEDULES
EP-707
FOR BLUEBEAM LABELING/OCR:

0"
1"

Job: GPISD Phase 3b — Job No. 240539 — A/C... 10000

Mounting: SURFACE — Voltage: 208Y/120V-3PH 4W — Ground: Equipment Ground
Main... MCB (225A) — Main... 225 AMPS — Lugs: FEED THRU
Neutral: 200%

PANEL: L2F — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	540						0.00	RECP - SOC STUD #3 A	20/1	12	1	A	2	20/1	12	RECP - SOC STUD #4 A		540						0.00
	720						0.00	RECP - SOC STUD #3 B	20/1	12	3	B	4	20/1	12	RECP - SOC STUD #4 B		720						0.00
	540						0.00	RECP - SOC STUD #3 C	20/1	12	5	C	6	20/1	12	RECP - SOC STUD #4 C		540						0.00
	540						0.00	RECP - SOC STUD #2 A	20/1	12	7	A	8	20/1	12	RECP - SOC STUD #2 A		540						0.00
	720						0.00	RECP - SOC STUD #2 B	20/1	12	9	B	10	20/1	12	RECP - SOC STUD #2 B		720						0.00
	540						0.00	RECP - SOC STUD #2 C	20/1	12	11	C	12	20/1	12	RECP - SOC STUD #2 C		540						0.00
	540						0.00	RECP - SOC STUD #1 A	20/1	12	13	A	14	20/1	12	RECP - SOC STUD #8 A		540						0.00
	720						0.00	RECP - SOC STUD #1 B	20/1	12	15	B	16	20/1	12	RECP - SOC STUD #8 B		720						0.00
	540						0.00	RECP - SOC STUD #1 C	20/1	12	17	C	18	20/1	12	RECP - SOC STUD #8 C		540						0.00
	540						0.00	RECP - SOC STUD #11 A	20/1	12	19	A	20	20/1	12	RECP - SOC STUD #9 A		540						0.00
	720						0.00	RECP - SOC STUD #11 B	20/1	12	21	B	22	20/1	12	RECP - SOC STUD #9 B		720						0.00
	540						0.00	RECP - SOC STUD #11 C	20/1	12	23	C	24	20/1	12	RECP - SOC STUD #9 C		540						0.00
	720						0.00	RECP - MECH, ELEC	20/1	12	25	A	26	20/1		SPARE								1.00
	1080						0.00	RECP - HALL	20/1	12	27	B	28	20/1		SPARE								1.00
	1440						0.00	RECP - AP OFF, SRO	20/1	12	29	C	30	20/1		SPARE								1.00
							0.00	RECP - AP SUITE A			31	A	32	20/1		SPARE								1.00
							0.00	RECP - AP SUITE B			33	B	34	20/1		SPARE								1.00
							0.00				35	C	36	20/1		SPARE								1.00
							0.00				37	A	38	10	30/3	SPD								0.00
							0.00				39	B	40	-	-	-								0.00
							0.00				41	C	42	-	-	-								0.00
0	10440	0	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	7200	0	0	0	0	0	6.00

PANEL: L2F 2 (Sectio...

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
					1920		0.00	MULTI DISPLAY A	20/1	12	43	A	44											0.00
					1920		0.00	MULTI DISPLAY B	20/1	12	45	B	46											0.00
					1920		0.00	MULTI DISPLAY C	20/1	12	47	C	48											0.00
							0.00				49	A	50											0.00
							0.00				51	B	52											0.00
							0.00				53	C	54											0.00
							0.00				55	A	56											0.00
							0.00				57	B	58											0.00
							0.00				59	C	60											0.00
							0.00				61	A	62											0.00
							0.00				63	B	64											0.00
							0.00				65	C	66											0.00
							0.00				67	A	68											0.00
							0.00				69	B	70											0.00
							0.00				71	C	72											0.00
							0.00				73	A	74											0.00
							0.00				75	B	76											0.00
							0.00				77	C	78	12	20/1	UV OAHU-C3-01						1200		0.00
							0.00				79	A	80	12	20/1	UV AHU-C3-01						1200		0.00
					180		0.00	BAS PANEL	20/1	12	81	B	82	12	20/1	UV AHU-D3-01						1200		0.00
		180					0.00	VAV-D3-01-01	20/1	12	83	C	84	20/1	12	TRAP PRIMER						180		0.00
0	0	180	0	0	5940	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	3780	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	17.6	0.2	0.0	0.0	9.7	0.0	6.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	13.8	0.2	0.0	0.0	9.7	0.0	3.0	Design KVA

*Input di...
**100% ...

Phase Load	
Ph	KVA
A	8.2
B	10.1
C	9.2

Panel Remarks:

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	33.5	93.1		26.7	74.2

PANEL: L2F

Date: 12/10/2025 — By: Designer

Job: GPISD Phase 3b — Job No. 240539 — A/C... 10000

Mounting: SURFACE — Voltage: 208Y/120V-3PH 4W — Ground: Equipment Ground
Main... MCB (225A) — Main... 225 AMPS — Lugs: FEED THRU
Neutral: 200%

PANEL: L2G — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	540						0.00	RECP - SOC STUD #7 A	20/1	12	1	A	2	12	20/1	RECP - SOC STUD #8 A		540						0.00
	900						0.00	RECP - SOC STUD #7 B	20/1	12	3	B	4	12	20/1	RECP - SOC STUD #8 B		900						0.00
	540						0.00	RECP - SOC STUD #7 C	20/1	12	5	C	6	12	20/1	RECP - SOC STUD #8 C		540						0.00
	540						0.00	RECP - SOC STUD #6 A	20/1	12	7	A	8	12	20/1	RECP - SOC STUD #9 A		540						0.00
	900						0.00	RECP - SOC STUD #6 B	20/1	12	9	B	10	12	20/1	RECP - SOC STUD #9 B		900						0.00
	540						0.00	RECP - SOC STUD #6 C	20/1	12	11	C	12	12	20/1	RECP - SOC STUD #9 C		540						0.00
	540						0.00	RECP - SOC STUD #5 A	20/1	12	13	A	14	12	20/1	RECP - RESTROOMS		540						0.00
	900						0.00	RECP - SOC STUD #5 B	20/1	12	15	B	16	12	20/1	RECP - WATER FOUNT		720						0.00
	540						0.00	RECP - SOC STUD #5 C	20/1	12	17	C	18	12	20/1	RECP - HALL, STOR		720						0.00
	540						0.00	RECP - SOC STUD #4 A	20/1	12	19	A	20	12	20/1	RECP - BRIDGE, ELEC		540						0.00
	900						0.00	RECP - SOC STUD #4 B	20/1	12	21	B	22	12	20/1	RECP - COLLAB A		360						0.00
	540						0.00	RECP - SOC STUD #4 C	20/1	12	23	C	24	12	20/1	RECP - COLLAB B		360						0.00
							0.00	RECP - SPECIALIST	20/1	12	25	A	26	12	20/1	RECP - BALCONY		360						0.00
							0.00				27	B	28											0.00
							0.00				29	C	30											0.00
							0.00				31	A	32											0.00
							0.00				33	B	34											0.00
							0.00				35	C	36											0.00
							0.00				37	A	38	10	30/3	SPD								0.00
							0.00				39	B	40	-	-	-								0.00
							0.00				41	C	42	-	-	-								0.00
0	7920	0	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	7560	0	0	0	0	0	0.00

PANEL: L2G 2 (Sectio...

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
					1920		0.00	MULTI DISPLAY A	20/1	12	43	A	44											0.00
					1920		0.00	MULTI DISPLAY B	20/1	12	45	B	46											0.00
							0.00				47	C	48											0.00
							0.00				49	A	50											0.00
							0.00				51	B	52											0.00
							0.00				53	C	54											0.00
							0.00				55	A	56											0.00
							0.00				57	B	58											0.00
							0.00				59	C	60											0.00
							0.00				61	A	62											0.00
							0.00				63	B	64											0.00
							0.00				65	C	66											0.00
							0.00				67	A	68											0.00
							0.00				69	B	70											0.00
							0.00				71	C	72											0.00
							0.00				73	A	74											0.00
							0.00				75	B	76											0.00
							0.00				77	C	78											0.00
							0.00				79	A	80											0.00
							0.00				81	B	82											0.00
		180					0.00	VAV-C2-01-01	15/1	12	83	C	84											0.00
0	0	180	0	0	3840	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	15.5	0.2	0.0	0.0	3.8	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	12.7	0.2	0.0	0.0	3.8	0.0	0.0	Design KVA

*Input di...
**100% ...

Phase Load	
Ph	KVA
A	6.6
B	8.4
C	4.5

Panel Remarks:

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	19.5	54.1		16.8	46.5

PANEL: L2G

Date: 12/10/2025 — By: Designer

Job: GPISD Phase 3b — Job No. 240539 — A/C... 10000

Mounting: SURFACE — Voltage: 208Y/120V-3PH 4W — Ground: Equipment Ground
Main... MCB (100A) — Main... 100 AMPS — Lugs: FEED THRU
Neutral: 200%

PANEL: L2H — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
		1000					0.00	BACKBOARD MOTOR #1A	20/1	12	1	A	2	12	20/1	BACKBOARD MOTOR #1B			1000					0.00
		1000					0.00	BACKBOARD MOTOR #2A	20/1	12	3	B	4	12	20/1	BACKBOARD MOTOR #2B			1000					0.00
		1000					0.00	BACKBOARD MOTOR #3A	20/1	12	5	C	6	12	20/1	BACKBOARD MOTOR #3B			1000					0.00
		1000					0.00	BACKBOARD MOTOR #4A	20/1	12	7	A	8	12	20/1	BACKBOARD MOTOR #4B			1000					0.00
		1000					0.00	BACKBOARD MOTOR #5A	20/1	12	9	B	10	12	20/1	BACKBOARD MOTOR #5B			1000					0.00
		1000					0.00	BACKBOARD MOTOR #6A	20/1	12	11	C	12	12	20/1	BACKBOARD MOTOR #6B			1000					0.00
		1000					0.00	MOTOR BLEACHER #1A	20/1	12	13	A	14	12	20/1	RECP - CONV NORTH B		540						0.00
					1000		0.00	SCOREBOARD #1A	20/1	12	15	B	16	12	20/1	RECP - CONV EAST B		540						0.00
					1000		0.00	SCOREBOARD #2A	20/1	12	17	C	18	12	20/1	RECP - CONV SOUTH B		540						0.00
	180						0.00	RECP - BLEACHER #1A	20/1	12	19	A	20	12	20/1	RECP - CONV WEST B		540						0.00
	540						0.00	RECP - CONV NORTH A	20/1	12	21	B	22	12	20/1	RECP - MECH		540						0.00
	540						0.00	RECP - CONV EAST A	20/1	12	23	C	24	12	20/1	RECP - MECH, STOR		1080						0.00
	540						0.00	RECP - CONV SOUTH A	20/1	12	25	A	26	12	20/1	RECP - CORRIDOR		540						0.00
	540						0.00	RECP - CONV WEST A	20/1	12	27	B	28	10	20/1	RECP - ROOF		540						0.00
							0.00				29	C	30											0.00
							0.00				31	A	32											0.00
							0.00				33	B	34											0.00
							0.00				35	C	36											0.00
							0.00				37	A	38	10	30/3	SPD								0.00
							0.00				39	B	40	-	-	-								0.00
							0.00				41	C	42	-	-	-								0.00
0	2340	7000	0	0	2000	0	0.00	**TOTALS**								**TOTALS**	0	4860	6000	0	0	0	0	0.00

PANEL: L2H 2 (Sectio...

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
							0.00				43	A	44											0.00
							0.00				45	B	46											0.00
							0.00				47	C	48											0.00
							0.00				49	A	50											0.00
							0.00				51	B	52											0.00
							0.00				53	C	54											0.00
							0.00				55	A	56											0.00
							0.00				57	B	58											0.00
							0.00				59	C	60											0.00
							0.00				61	A	62	12	20/1	UV OAHU-B1-03						1200		0.00
				360			0.00	TRAP PRIMERS	20/1	12	63	B	64	12	20/1	UV AHU-B3-03						1200		0.00
				300			0.00	BAS	20/1	12	65	C	66	12	20/1	UV AHU-B3-04						1200		0.00
				667			0.00	EF-B2-01	20/1	12	67	A	68	12	20/1	UV OAHU-B3-02						1200		0.00
				1144			0.00	ACCU-IDF-1545	25/2	10	69	B	70	10	25/2	ACCU-PUMP ROOM					1664			0.00
				1144			0.00	--	--	--	71	C	72	--	--	--					1664			0.00
				1144			0.00	ACCU-IDF-2510.2	25/2	10	73	A	74	10	25/2	ACCU-ELECT-2512.1					1144			0.00
				1144			0.00	--	--	--	75	B	76	--	--	--					1144			0.00
				1144			0.00	ACCU IDF-15421.1	25/2	10	77	C	78	6	40/2	ACCU-STAIRS-B1					2600			0.00
				1144			0.00	--	--	--	79	A	80	--	--	--					2600			0.00
											81	B	82											0.00
											83	C	84											0.00
0	0	0	0	8191	0	0	0.00	BAS								**TOTALS**	0	0	0	0	10816	4800	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	7.2	13.0	0.0	19.0	6.8	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	7.2	13.0	0.0	19.0	6.8	0.0	0.0	Design KVA

*Input di...
**100% ...

Phase Load	
Ph	KVA
A	16.4
B	14.4
C	15.2

Panel Remarks:

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	46.0	127.7		46.0	127.7

PANEL: L2H

Date: 12/10/2025 — By: Designer

Job: GPISD Phase 3b — Job No. 240539 — A/C... 10000

Mounting: SURFACE — Voltage: 208Y/120V-3PH 4W — Ground: Equipment Ground
Main... MCB (225A) — Main... 225 AMPS — Lugs: FEED THRU
Neutral: 200%

PANEL: L3A — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - BIO 3102 A	20/1	12	1	A	2	12	20/1	RECP - FORE 3102 A		360						0.00
	720						0.00	RECP - BIO 3104 B	20/1	12	3	B	4	12	20/1	RECP - FORE 3102 B		720						0.00
	540						0.00	RECP - BIO 3104 C	20/1	12	5	C	6	12	20/1	RECP - FORE 3102 C		540						0.00
	540						0.00	RECP - BIO 3104 D	20/1	12	7	A	8	12	20/1	RECP - FORE 3102 D		540						0.00
	540						0.00	RECP - BIO 3104 E	20/1	12	9	B	10	12	20/1	RECP - FORE 3102 E		540						0.00
	540						0.00	RECP - BIO 3104 F	20/1	12	11	C	12	12	20/1	RECP - FORE 3102 F		540						0.00
	540						0.00	RECP - BIO 3104 G	20/1	12	13	A	14	12	20/1	RECP - FORE 3102 G		540						0.00
	540						0.00	RECP - BIO 3104 H	20/1	12	15	B	16	12	20/1	RECP - FORE 3102 H		540						0.00
	360						0.00	RECP - PREP 3104.1 A	20/1	12	17	C	18	12	20/1	RECP - PREP 3102.1 A		360						0.00
	180						0.00	RECP - PREP 3104.1 B	20/1	12	19	A	20	12	20/1	RECP - PREP 3102.1 B		180						0.00
	180						0.00	RECP - PREP 3104.1 C	20/1	12	21	B	22	12	20/1	RECP - PREP 3102.1 C		180						0.00
	180						0.00	RECP - PREP 3104.1 D	20/1	12	23	C	24	12	20/1	RECP - PREP 3102.1 D		180						0.00
	180						0.00	RECP - PREP 3104.1 E	20/1	12	25	A	26	12	20/1	RECP - PREP 3102.1 E		180						0.00
	180						0.00	RECP - PREP 3104.1 F	20/1	12	27	B	28	12	20/1	RECP - PREP 3102.1 F		180						0.00
							0.00	RECP - FRIDGE A	20/1	12	29	C	30	12	20/1	RECP - FRIDGE B						720		0.00
							0.00	RECP - DISHWASHER A	20/1	12	31	A	32	12	20/1	RECP - DISHWASHER B						1200		0.00
							0.00				33	B	34											0.00
	360						0.00	RECP - CONV ROOF	20/1	12	35	C	36											0.00
							0.00	RECP - STOR, HALL	20/1	12	37	A	38	10	30/3	SPD								0.00
							0.00	RECP - BATHS	20/1	12	39	B	40	-	-	-								0.00
							0.00	RECP - WATER FOUNT	20/1	12	41	C	42	-	-	-								0.00
0	5940	0	0	0	3120	0	0.00	**TOTALS**								**TOTALS**	0	5580	0	0	0	1920	0	0.00

PANEL: L3A 2 (Sectio...

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - BIO 3108 A	20/1	12	43	A	44	12	20/1	RECP - ASTRO 3107 A		360						0.00
	720						0.00	RECP - BIO 3108 B	20/1	12	45	B	46	12	20/1	RECP - ASTRO 3107 B		720						0.00
	540						0.00	RECP - BIO 3109 C	20/1	12	47	C	48	12	20/1	RECP - ASTRO 3107 C		540						0.00
	540						0.00	RECP - BIO 3110 D	20/1	12	49	A	50	12	20/1	RECP - ASTRO 3107 D		540						0.00
	540						0.00	RECP - BIO 3111 E	20/1	12	51	B	52	12	20/1	RECP - ASTRO 3107 E		540						0.00
	540						0.00	RECP - BIO 3112 F	20/1	12	53	C	54	12	20/1	RECP - ASTRO 3107 F		540						0.00
	540						0.00	RECP - BIO 3113 G	20/1	12	55	A	56	12	20/1	RECP - ASTRO 3107 G		540						0.00
	540						0.00	RECP - BIO 3114 H	20/1	12	57	B	58	12	20/1	RECP - ASTRO 3107 H		540						0.00
	540						0.00	RECP - BIO 3114 I	20/1	12	59	C	60	12	20/1	RECP - COLLAB A		360						0.00
							0.00				61	A	62	12	20/1	RECP - COLLAB B		360						0.00
							0.00				63	B	64											0.00
							0.00				65	C	66											0.00
							0.00				67	A	68											0.00
							0.00				69	B	70											0.00
							0.00				71	C	72											0.00
							0.00				73	A	74											0.00
3		720					0.00	EF-E3-01.02	15/1	12	75	B	76	12	15/1	EF-E3-03,04			720					0.00
		1144					0.00	ACCU-IDF-3106	25/2	10	77	C	78	12	40/1	EF-E1-01			1800					0.00
		1144					0.00	--	--	--	79	A	80	12	15/1	EF-E3-03,04			744					0.00
		1144					0.00	ACCU-IDF-2104	25/2	10	81	B	82	10	25/2	ACCU-IDF-1106			1144					0.00
		1144					0.00	--	--	--	83	C	84	--	--	--			1144					0.00
0	4860	5476	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	5040	5552	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	21.4	11.0	0.0	0.0	5.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	15.7	11.0	0.0	0.0	5.0	0.0	0.0	Design KVA

*Input di...
**100% ...

Phase Load	
Ph	KVA
A	11.3
B	11.6
C	14.5

Panel Remarks:

| | Con. KVA | Con. Amps | | Des. KVA |

ELECTRICAL PANEL SCHEDULES
EP-708
FOR BLUEBEAM LABELING/DOCR:

0"
1"

Job: GPISD Phase 3b — Job No. 240539

Mounting: **SURFACE** — Main.. **MCB (225A)** — Neutral **200%**

Voltage: **208Y/120V-3PH 4W** — Main.. **225 AMPS**

A/C.. **10000** — Ground **Equipment Ground** — Lugs **FEED THRU**

PANEL: **L3B** — ALL LOADS IN VA

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - BIO 3112 A	20/1	12	1	A	2	12	20/1	RECP - BIO 3119 A		360						0.00
	720						0.00	RECP - BIO 3112 B	20/1	12	3	B	4	12	20/1	RECP - BIO 3119 B		720						0.00
	540						0.00	RECP - BIO 3112 C	20/1	12	5	C	6	12	20/1	RECP - BIO 3119 C		540						0.00
	540						0.00	RECP - BIO 3112 D	20/1	12	7	A	8	12	20/1	RECP - BIO 3119 D		540						0.00
	540						0.00	RECP - BIO 3112 E	20/1	12	9	B	10	12	20/1	RECP - BIO 3119 E		540						0.00
	540						0.00	RECP - BIO 3112 F	20/1	12	11	C	12	12	20/1	RECP - BIO 3119 F		540						0.00
	540						0.00	RECP - BIO 3112 G	20/1	12	13	A	14	12	20/1	RECP - BIO 3119 G		540						0.00
	540						0.00	RECP - BIO 3112 H	20/1	12	15	B	16	12	20/1	RECP - BIO 3119 H		540						0.00
	360						0.00	RECP - BIO 3112 I	20/1	12	17	C	18	12	20/1	RECP - BIO 3119 I		540						0.00
	180						0.00	RECP - BIO 3112 J	20/1	12	19	A	20	12	20/1	RECP - BIO 3119 J		540						0.00
	180						1.00	SPARE	20/1	12	21	B	22	12	20/1	RECP - SPANISH 1 A		540						0.00
	180						0.00	RECP - PREP 3104.1 A	20/1	12	23	C	24	12	20/1	RECP - SPANISH 1 B		540						0.00
	180						0.00	RECP - PREP 3104.1 B	20/1	12	25	A	26	12	20/1	RECP - SPANISH 1 C		720						0.00
	180						0.00	RECP - PREP 3104.1 C	20/1	12	27	B	28		20/1	SPARE								1.00
	180						0.00	RECP - PREP 3104.1 D	20/1	12	29	C	30		20/1	SPARE								1.00
	180						0.00	RECP - PREP 3104.1 E	20/1	12	31	A	32		20/1	SPARE								1.00
	180						0.00	RECP - PREP 3104.1 F	20/1	12	33	B	34	12	20/1	RECP - FRIDGE(1)								0.00
	180						0.00	RECP - PREP 3104.1 G	20/1	12	35	C	36	12	20/1	RECP - DISHWASHER(1)								0.00
					720		0.00	RECP - PREP 3104.1 D	20/1	12	37	A	38	10	30/3	SPD								0.00
					1200		0.00	RECP - PREP 3104.1 E	20/1	12	39	B	40	-	-	-								0.00
							0.00	RECP - PREP 3104.1 F	20/1	12	41	C	42	-	-	-								0.00
0	6300	0	0	0	1920	0	1.00	**TOTALS**								**TOTALS**	0	7200	0	0	0	0	0	3.00

PANEL: **L3B** **2** **(Sectio...** — ALL LOADS IN VA

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S
	540						0.00	RECP - SPANISH 2 A	20/1	12	43	A	44	12	20/1	RECP - SPANISH 4 A		540						0.00
	540						0.00	RECP - SPANISH 2 B	20/1	12	45	B	46	12	20/1	RECP - SPANISH 4 B		540						0.00
	720						0.00	RECP - SPANISH 2 C	20/1	12	47	C	48	12	20/1	RECP - SPANISH 4 C		720						0.00
	540						0.00	RECP - SPANISH 3 A	20/1	12	49	A	50	12	20/1	RECP - SPANISH 5 A		540						0.00
	540						0.00	RECP - SPANISH 3 B	20/1	12	51	B	52	12	20/1	RECP - SPANISH 5 B		540						0.00
	720						0.00	RECP - SPANISH 3 C	20/1	12	53	C	54	12	20/1	RECP - SPANISH 5 C		720						0.00
	900						0.00	RECP - AP OFF, STO	20/1	12	55	A	56											0.00
	1260						0.00	RECP - HALL,STO,JAN	20/1	12	57	B	58											0.00
	540						0.00	RECP - MECH, ELEC	20/1	12	59	C	60											0.00
	540						0.00	RECP - ROOF CONV	20/1	12	61	A	62											0.00
							0.00					63	B	64										0.00
							0.00					65	C	66										0.00
360							0.00	CAB LIGHTING	15/1	12	67	A	68	12	20/1	UV OAHU-E3-01						1200		0.00
	1176						0.00	EF-F1-01	25/1	10	69	B	70	12	20/1	UV AHU-E3-01						1200		0.00
					180		0.00	BAS PANEL	20/1	12	71	C	72	12	20/1	UV AHU-F3-01						1200		0.00
					180		0.00	VAV-F3-01-01	20/1	12	73	A	74	12	20/1	TRAP PRIMER								0.00
	1056						0.00	EF-F3-01.02	15/1	12	75	B	76	12	15/1	EF-E3-03			528					0.00
	1144						0.00	ACCU-IDF-1129	25/2	10	77	C	78											0.00
	1144						0.00	--	--			79	A	80										0.00
	1144						0.00	ACCU-IDF-2125	25/2	10	81	B	82	10	25/2	ACCU-IDF-3123			1144					0.00
	1144						0.00	--	--			83	C	84		--			1144					0.00
360	6840	6808	0	0	360	0	0.00	**TOTALS**								**TOTALS**	0	3600	2816	0	0	3600	0	0.00

LOAD SUMMARY

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.4	23.9	9.6	0.0	0.0	5.9	0.0	4.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.5	17.0	9.6	0.0	0.0	5.9	0.0	2.0	Design KVA

Phase Load

Ph	KVA
A	11.9
B	15.5
C	12.4

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	43.8	121.6		34.9	96.9

PANEL: **L3B**

Date: 12/10/2025 — By: Designer

Job: GPISD Phase 3b — Job No. 240539

Mounting: **SURFACE** — Main.. **MCB (225A)** — Neutral **200%**

Voltage: **208Y/120V-3PH 4W** — Main.. **225 AMPS**

A/C.. **10000** — Ground **Equipment Ground** — Lugs **FEED THRU**

PANEL: **L3D** — ALL LOADS IN VA

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - PHYSICS A	20/1	12	1	A	2	12	20/1	RECP - CHEM 3147 A		360						0.00
	720						0.00	RECP - PHYSICS B	20/1	12	3	B	4	12	20/1	RECP - CHEM 3147 B		720						0.00
	540						0.00	RECP - PHYSICS C	20/1	12	5	C	6	12	20/1	RECP - CHEM 3147 C		540						0.00
	540						0.00	RECP - PHYSICS D	20/1	12	7	A	8	12	20/1	RECP - CHEM 3147 D		540						0.00
	540						0.00	RECP - PHYSICS E	20/1	12	9	B	10	12	20/1	RECP - CHEM 3147 E		540						0.00
	540						0.00	RECP - PHYSICS F	20/1	12	11	C	12	12	20/1	RECP - CHEM 3147 F		540						0.00
	540						0.00	RECP - PHYSICS G	20/1	12	13	A	14	12	20/1	RECP - CHEM 3147 G		540						0.00
							1.00	SPARE	20/1	12	15	B	16	12	20/1	RECP - CHEM 3147 H		540						0.00
	360						0.00	RECP - PREP 3145.1 A	20/1	12	17	C	18	12	20/1	RECP - CHEM 3147 I		360						0.00
	180						0.00	RECP - PREP 3145.1 B	20/1	12	19	A	20	12	20/1	RECP - CHEM 3147 J		180						0.00
	180						0.00	RECP - PREP 3145.1 C	20/1	12	21	B	22	12	20/1	RECP - PREP 3141.1 A		360						0.00
	180						0.00	RECP - PREP 3145.1 D	20/1	12	23	C	24	12	20/1	RECP - PREP 3141.1 B		180						0.00
	180						0.00	RECP - PREP 3145.1 E	20/1	12	25	A	26	12	20/1	RECP - PREP 3141.1 C		180						0.00
	180						0.00	RECP - PREP 3145.1 F	20/1	12	27	B	28	12	20/1	RECP - PREP 3141.1 D		180						0.00
	720						0.00	RECP - FRIDGE A	20/1	12	29	C	30	12	20/1	RECP - PREP 3141.1 E		180						0.00
	1200						0.00	RECP - DISHWASHER A	20/1	12	31	A	32	12	20/1	RECP - PREP 3141.1 F		180						0.00
							1.00	SPARE	20/1		33	B	34	12	20/1	RECP - FRIDGE B(1)		720						0.00
							1.00	SPARE	20/1		35	C	36	12	20/1	RECP - DISHWASHER B		1200						0.00
							1.00	SPARE	20/1		37	A	38	10	30/3	SPD								0.00
					360		0.00	FUME HOOD A	20/1	12	39	B	40	-	-	-								0.00
					360		0.00	FUME HOOD B	20/1	12	41	C	42	-	-	-								0.00
0	6960	0	0	0	720	0	4.00	**TOTALS**								**TOTALS**	0	8040	0	0	0	0	0	0.00

PANEL: **L3D** **2** **(Sectio...** — ALL LOADS IN VA

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S
	540						0.00	RECP - IPC 3145 A	20/1	12	43	A	44	12	20/1	RECP - CHEM 3141 A		360						0.00
	540						0.00	RECP - IPC 3145 B	20/1	12	45	B	46	12	20/1	RECP - CHEM 3141 B		360						0.00
	720						0.00	RECP - IPC 3145 C	20/1	12	47	C	48	12	20/1	RECP - CHEM 3141 C		360						0.00
	360						0.00	RECP - COLLAB A	20/1	12	49	A	50	12	20/1	RECP - CHEM 3141 D		360						0.00
	360						0.00	RECP - COLLAB B	20/1	12	51	B	52	12	20/1	RECP - CHEM 3141 E		360						0.00
	540						0.00	RECP - HALL	20/1	12	53	C	54	12	20/1	RECP - CHEM 3141 F		360						0.00
	540						0.00	RECP - ELEC. STOR	20/1	12	55	A	56	12	20/1	RECP - CHEM 3141 G		540						0.00
	540						0.00	RECP - BATHS	20/1	12	57	B	58	12	20/1	RECP - CHEM 3141 H		540						0.00
					1200		0.00	RECP - WATER FOUNT	20/1	12	59	C	60	12	20/1	RECP - CHEM 3140 A		360						0.00
							0.00					61	A	62	12	20/1	RECP - CHEM 3140 B		360						0.00
							0.00					63	B	64	12	20/1	RECP - CHEM 3140 C		360						0.00
							0.00					65	C	66	12	20/1	RECP - CHEM 3140 D		540						0.00
	1656						0.00	EF-1-01	30/1	12	67	A	68	12	20/1	RECP - CHEM 3140 E		540						0.00
	180						0.00	VAV-C3-01-01	15/1	12	69	B	70	12	20/1	RECP - CHEM 3140 F		360						0.00
	960						0.00	EF-O3-01.02	15/1	12	71	C	72	12	20/1	RECP - CHEM 3140 G		540						0.00
	780						0.00	EF-C3-02.03	15/1	12	73	A	74	12	20/1	RECP - CHEM 3140 H		540						0.00
	739						0.00	EF-C3-01.03-04	15/1	12	75	B	76	12	20/1	RECP - CHEM 3140 I		360						0.00
	1144						0.00	ACCU-IDF-1132I	25/2	10	77	C	78											0.00
	1144						0.00	--	--			79	A	80										0.00
	1144						0.00	ACCU-IDF-2159	25/2	10	81	B	82	10	25/2	ACCU-IDF-1162			1144					0.00
	1144						0.00	--	--			83	C	84		--			1144					0.00
0	4140	8891	0	0	1200	0	0.00	**TOTALS**								**TOTALS**	0	7200	2288	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	26.3	11.2	0.0	0.0	1.9	0.0	4.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	18.2	11.2	0.0	0.0	1.9	0.0	2.0	Design KVA

Phase Load

Ph	KVA
A	12.7
B	12.0
C	14.7

Panel Remarks:
(1)GFI(GROUND FAULT INTERRUPTOR)

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	43.4	120.6		33.3	92.3

PANEL: **L3D**

Date: 12/10/2025 — By: Designer

Job: GPISD Phase 3b — Job No. 240539

Mounting: **SURFACE** — Main.. **MCB (225A)** — Neutral **200%**

Voltage: **208Y/120V-3PH 4W** — Main.. **225 AMPS**

A/C.. **10000** — Ground **Equipment Ground** — Lugs **FEED THRU**

PANEL: **L3C** — ALL LOADS IN VA

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - AP BIO 3135 A	20/1	12	1	A	2	12	20/1	RECP - ANAT 3132 A		360						0.00
	720						0.00	RECP - AP BIO 3135 B	20/1	12	3	B	4	12	20/1	RECP - ANAT 3132 B		720						0.00
	540						0.00	RECP - AP BIO 3135 C	20/1	12	5	C	6	12	20/1	RECP - ANAT 3132 C		540						0.00
	540						0.00	RECP - AP BIO 3135 D	20/1	12	7	A	8	12	20/1	RECP - ANAT 3132 D		540						0.00
	540						0.00	RECP - AP BIO 3135 E	20/1	12	9	B	10	12	20/1	RECP - ANAT 3132 E		540						0.00
	540						0.00	RECP - AP BIO 3135 F	20/1	12	11	C	12	12	20/1	RECP - ANAT 3132 F		540						0.00
	540						0.00	RECP - AP BIO 3135 G	20/1	12	13	A	14	12	20/1	RECP - ANAT 3132 G		540						0.00
	540						0.00	RECP - AP BIO 3135 H	20/1	12	15	B	16	12	20/1	RECP - ANAT 3132 H		540						0.00
	360						0.00	RECP - AP BIO 3135 I	20/1	12	17	C	18	12	20/1	RECP - PREP 3131.1 A		360						0.00
	180						0.00	RECP - AP BIO 3135 J	20/1	12	19	A	20	12	20/1	RECP - PREP 3131.1 B		180						0.00
	360						0.00	RECP - PREP 3135.1 A	20/1	12	21	B	22	12	20/1	RECP - PREP 3131.1 C		180						0.00
	180						0.00	RECP - PREP 3135.1 B	20/1	12	23	C	24	12	20/1	RECP - PREP 3131.1 D		180						0.00
	180						0.00	RECP - PREP 3135.1 C	20/1	12	25	A	26	12	20/1	RECP - PREP 3131.1 E		180						0.00
	180						0.00	RECP - PREP 3135.1 D	20/1	12	27	B	28	12	20/1	RECP - PREP 3131.1 F		180						0.00
	180						0.00	RECP - PREP 3135.1 E	20/1	12	29	C	30	12	20/1	RECP - PREP 3131.1 G		180						0.00
	720						0.00	RECP - FRIDGE A (1)	20/1	12	31	A	32	12	20/1	RECP - FRIDGE B (1)		720						0.00
	1200						0.00	RECP - DISHWASHER A	20/1	12	33	B	34	12	20/1	RECP - DISHWASHER B		1200						0.00
							0.00	L3C1	100/3	SEE	35	C	36											0.00
							0.00	--	--	RISER	37	A	38	10	30/3	SPD								0.00
							0.00	--	--		39	B	40	-	-	-								0.00
							360		0.00	FUME HOOD	20/1	12	41	C	42	-	-	-							0.00
0	7860	0	0	0	360	0	0.00	**TOTALS**								**TOTALS**	0	7680	0	0	0	0	0	0.00

PANEL: **L3C** **2** **(Sectio...** — ALL LOADS IN VA

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S
	540						0.00	RECP - FRENCH 3137 A	20/1	12	43	A	44	12	20/1	RECP - PLC/WORK A		720						0.00
	540						0.00	RECP - FRENCH 3137 B	20/1	12	45	B	46	12	20/1	RECP - PLC/WORK B		180						0.00
	720						0.00	RECP - FRENCH 3137 C	20/1	12	47	C	48	12	20/1	RECP - PLC/WORK C		180						0.00
	540						0.00	RECP - SPANISH 7 A	20/1	12	49	A	50	12	20/1	RECP - PLC/WORK D		180						0.00
	540						0.00	RECP - SPANISH 7 B	20/1	12	51	B	52	12	20/1	RECP - PLC/WORK E		180						0.00
	720						0.00	RECP - SPANISH 7 C	20/1	12	53	C	54	12	20/1	RECP - PLC/WORK F		180						0.00
	540						0.00	RECP - SPANISH 6 A	20/1	12	55	A	56	12	20/1	RECP - PLC/WORK G		180						0.00
	540						0.00	RECP - SPANISH 6 B	20/1	12	57	B	58	12	20/1	RECP - PLC/WORK H		180						0.00
	720						0.00	RECP - SPANISH 6 C	20/1	12	59	C	60	12	20/1	RECP - PLC/WORK I		1200						0.00
							0.00	RECP - HALL	20/1	12	61	A	62	12	20/1	RECP - PLC/WORK J		180						0.00
							0.00	RECP - MECH, ELEC	20/1	12	63	B	64	12	20/1	RECP - FRIDGE C (1)		720						0.00
							0.00					65	C	66	12	20/1	RECP - PRINTER		1200						0.00
							0.00					67	A	68	12	20/2	RECP - PRINTER SPEC(1)					1664			0.00
					1200		0.00	UV OAHU-C3-01	20/1	12	69	B	70	12	20/1	RECP - FLOORBOXES A		720			1664			0.00
					1200		0.00	UV AHU-C3-01	20/1	12	71	C	72	12	20/1	RECP - FLOORBOXES A		720						0.00
					1200		0.00	UV AHU-D3-01	20/1	12	73	A	74											0.00
					180		0.00	BAS PANEL	20/1	12	75	B	76	12	20/1	TRAP PRIMER				180				0.00
	1144						0.00	ACCU-IDF-1138	25/2	10	77	C	78	12	15/1	EF-E3-01			360					0.00
	1144						0.00	--	--			79	A	80	12	15/1	EF-E3-02.03			360					0.00
	1144						0.00	ACCU-IDF-2137	25/2	10	81	B	82	10	25/2	ACCU-IDF-3131			1144					0.00
	1144						0.00	--	--			83	C	84		--			1144					0.00
0	5400	4576	0	0	3780	0	0.00	**TOTALS**								**TOTALS**	0	6720	3008	0	0	3508	0	0.00

LOAD SUMMARY

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	27.7	7.6	0.0	0.0	7.6	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	18.8	7.6	0.0	0.0	7.6	0.0	0.0	Design KVA

Phase Load

Ph	KVA
A	12.3
B	16.0
C	14.6

Panel Remarks:
(1)GFI(GROUND FAULT INTERRUPTOR)

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	42.9	119.1		34.1	94.5

PANEL: **L3C**

Date: 12/10/2025 — By: Designer

Job: GPISD Phase 3b — Job No. 240539

Mounting: **SURFACE** — Main.. **MLO** — Neutral **200%**

Voltage: **208Y/120V-3PH 4W** — Main.. **225 AMPS**

A/C.. **10000** — Ground **Equipment Ground** — Lugs **SINGLE**

PANEL: **L3C SECT 3** — ALL LOADS IN VA

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S
							1.00	SPARE	20/1		1	A	2											0.00
							1.00	SPARE	20/1		3	B	4											0.00
							1.00	SPARE	20/1		5	C	6											0.00
							1.00	SPARE	20/1		7	A	8											0.00
							1.00	SPARE	20/1		9	B	10											0.00
							1.00	SPARE	20/1		11	C	12											0.00
							1.00	SPARE	20/1		13	A	14											0.00
							1.00	SPARE	20/1		15	B	16											0.00
							0.00				17	C	18											0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
							0.00				25	A	26											0.00
							0.00				27	B	28											0.00
							0.00				29	C	30											0.00
							0.00				31	A	32											0.00
							0.00				33	B	34											0.00
							0.00				35	C	36											0.00
							0.00				37	A	38											0.00
							0.00				39	B	40											0.00
							0.00				41	C	42											0.00
0	0	0	0	0	0	0	8.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Receptacle	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	Design KVA

Phase Load

Ph	KVA
A	0.0
B	0.0
C	0.0

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	8.0	22.2		4.0	11.1

PANEL: **L3C SECT 3**

Date: 12/10/2025 — By: Designer

Job: GPISD Phase 3b — Job No. 240539

Mounting: **SURFACE** — Main.. **MCB (100A)** — Neutral **200%**

Voltage: **208Y/120

ELECTRICAL PANEL SCHEDULES
EP-709
FOR BLUEBEAM LABELING/OCR:

0"
1"

Job: Job Name | Job No. Job Number | AIC... 42000

Mounting SURFACE | Main Type MCB (100A) | Neutral 100% | Voltage: 480Y/277V-3PH 4W | Main Size: 100 AMPS | Ground Equipment Ground | Lugs SINGLE

PANEL: SH1D — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
							0.00				1	A	2											0.00
							0.00				3	B	4											0.00
							0.00				5	C	6											0.00
							0.00				7	A	8											0.00
							0.00				9	B	10											0.00
							0.00				11	C	12											0.00
							0.00				13	A	14											0.00
							0.00				15	B	16											0.00
							0.00				17	C	18											0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
							0.00				25	A	26											0.00
							0.00				27	B	28											0.00
							0.00				29	C	30											0.00
							0.00				31	A	32											0.00
							0.00				33	B	34											0.00
							0.00				35	C	36											0.00
0	4320	0	0	0	7680	0	0.00	XFMR S1TD(45 KVA)	SEE	75/3	37	A	38	10	30/3	SPD								0.00
0	4320	0	0	0	7680	0	0.00	-	RISER	-	39	B	40		--	--								0.00
0	4320	0	0	0	7680	0	0.00	-	-	-	41	C	42		--	--								0.00
0	12960	0	0	0	23040	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	13.0	0.0	0.0	0.0	23.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	11.5	0.0	0.0	0.0	23.0	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	12.0
B	12.0
C	12.0

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	36.0	43.3		34.5	41.5

PANEL: SH1D

Date: 12/10/2025 | By: Designer | 1602840

Job: GPISD Phase 3b | Job No. 240539 | AIC... 10000

Mounting SURFACE | Main... MCB (150A) | Neutral 200% | Voltage: 208Y/120V-3PH 4W | Main... 225 AMPS | Ground Equipment Ground | Lugs SINGLE

PANEL: S1LD — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - QUAD RACK 1129	20/1	12	1	A	2		50/3	SL1E	0	960	0	0	0	2800	0	0.00
					1560		0.00	RECP - SPEC RACK 1129	30/2	10	3	B	4		--	--	0	960	0	0	0	2800	0	0.00
					1560		0.00	--	--		5	C	6		--	--	0	960	0	0	0	2800	0	0.00
	360						0.00	RECP - QUAD WALL A 1129	20/1	12	7	A	8		50/3	SL1F	0	960	0	0	0	2800	0	0.00
	360						0.00	RECP - QUAD WALL B 1129	20/1	12	9	B	10		--	--	0	960	0	0	0	2800	0	0.00
	360						0.00	RECP - QUAD WALL C 1129	20/1	12	11	C	12		--	--	0	960	0	0	0	2800	0	0.00
	720						0.00	FACP PANEL 1129	20/1	12	13	A	14		50/3	SL2E	0	1200	0	0	0	1040	0	0.00
	720						0.00	SEC BOOST PANEL 1129	20/1	12	15	B	16		--	--	0	1200	0	0	0	1040	0	0.00
	720						0.00	ACCESS CONT PANEL 1129	20/1	12	17	C	18		--	--	0	1200	0	0	0	1040	0	0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
							0.00				25	A	26	10	30/3	SPD								0.00
							0.00				27	B	28	-	-	-								0.00
							0.00				29	C	30	-	-	-								0.00
0	3600	0	0	0	3120	0	0.00	**TOTALS**								**TOTALS**	0	9360	0	0	0	19920	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	13.0	0.0	0.0	0.0	23.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	11.5	0.0	0.0	0.0	23.0	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	11.2
B	12.4
C	12.4

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	36.0	99.9		34.5	95.8

PANEL: S1LD

Date: 12/10/2025 | By: Designer | 1602840

Job: GPISD Phase 3b | Job No. 240539 | AIC... 10000

Mounting SURFACE | Main... MLO | Neutral 200% | Voltage: 208Y/120V-3PH 4W | Main... 100 AMPS | Ground Equipment Ground | Lugs SINGLE

PANEL: S1LF — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - QUAD RACK 1545	20/1	12	1	A	2											0.00
					1560		0.00	RECP - SPEC RACK 1545	30/2	10	3	B	4											0.00
					1560		0.00	--	--		5	C	6											0.00
	360						0.00	RECP - QUAD WALL A 1545	20/1	12	7	A	8											0.00
					1560		0.00	RECP - SPEC RACK 1545	30/2	10	9	B	10											0.00
	720						0.00	RECP - QUAD WALL A 1545	20/1	12	13	A	14											0.00
	720						0.00	RECP - QUAD WALL B 1545	20/1	12	15	B	16											0.00
	720						0.00	RECP - DUPL WALL C 1545	20/1	12	17	C	18											0.00
					720		0.00	FACP PANEL 1545	20/1	12	19	A	20											0.00
					720		0.00	SEC BOOST PANEL 1545	20/1	12	21	B	22											0.00
					720		0.00	ACCESS CONT PANEL1545	20/1	12	23	C	24											0.00
							0.00				25	A	26	10	30/3	SPD								0.00
							0.00				27	B	28	-	-	-								0.00
							0.00				29	C	30	-	-	-								0.00
0	2880	0	0	0	8400	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	2.9	0.0	0.0	0.0	8.4	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	2.9	0.0	0.0	0.0	8.4	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	2.2
B	4.6
C	4.6

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	11.3	31.3		11.3	31.3

PANEL: S1LF

Date: 12/10/2025 | By: Designer | 1602840

Job: GPISD Phase 3b | Job No. 240539 | AIC... 10000

Mounting SURFACE | Main... MLO | Neutral 100% | Voltage: 480Y/277V-3PH 4W | Main... 125 AMPS | Ground Equipment Ground | Lugs SINGLE

PANEL: SH4A — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
2968							0.00	LIGHT - MULTI A	20/1	10	1	A	2											0.00
2968							0.00	LIGHT - MULTI B	20/1	10	3	B	4											0.00
1484							0.00	LIGHT - MULTI C	20/1	10	5	C	6											0.00
2968							0.00	LIGHT - MULTI D	20/1	10	7	A	8											0.00
2968							0.00	LIGHT - MULTI E	20/1	10	9	B	10											0.00
2226							0.00	LIGHT - MULTI F	20/1	10	11	C	12											0.00
							0.00				13	A	14											0.00
							0.00				15	B	16											0.00
							0.00				17	C	18											0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
							0.00				25	A	26											0.00
							0.00				27	B	28											0.00
							0.00				29	C	30											0.00
15582	0	0	0	0	0	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	5.9
B	5.9
C	3.7

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	15.6	18.7		19.5	23.4

PANEL: SH4A

Date: 12/10/2025 | By: Designer | 1602840

3

Job: GPISD Phase 3b | Job No. 240539 | AIC... 10000

Mounting SURFACE | Main... MLO | Neutral 200% | Voltage: 208Y/120V-3PH 4W | Main... 100 AMPS | Ground Equipment Ground | Lugs SINGLE

PANEL: S1LE — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
	360						0.00	RECP - QUAD RACK 1503	20/1	12	1	A	2											0.00
					1560		0.00	RECP - SPEC RACK 1503	30/2	10	3	B	4											0.00
					1560		0.00	--	--		5	C	6											0.00
	360						0.00	RECP - QUAD RACK 1503	20/1	12	7	A	8											0.00
					1560		0.00	RECP - SPEC RACK 1503	30/2	10	9	B	10											0.00
					1560		0.00	--	--		11	C	12											0.00
	720						0.00	RECP - QUAD WALL A 1503	20/1	12	13	A	14											0.00
	720						0.00	RECP - QUAD WALL B 1503	20/1	12	15	B	16											0.00
	720						0.00	RECP - QUAD WALL C 1503	20/1	12	17	C	18											0.00
							0.00	FACP PANEL 1503	20/1	12	19	A	20											0.00
							0.00	SEC BOOST PANEL 1503	20/1	12	21	B	22											0.00
							0.00	ACCESS CONT PANEL1503	20/1	12	23	C	24											0.00
							0.00				25	A	26	10	30/3	SPD								0.00
							0.00				27	B	28	-	-	-								0.00
							0.00				29	C	30	-	-	-								0.00
0	2880	0	0	0	8400	0	0.00	**TOTALS**								**TOTALS**	0	0	0	0	0	0	0	0.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
0.0	2.9	0.0	0.0	0.0	8.4	0.0	0.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
0.0	2.9	0.0	0.0	0.0	8.4	0.0	0.0	Design KVA

Phase Load	
Ph	KVA
A	2.2
B	4.6
C	4.6

Panel Remarks:

*Input di...
**100% ...

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	11.3	31.3		11.3	31.3

PANEL: S1LE

Date: 12/10/2025 | By: Designer | 1602840

Job: GPISD Phase 3b | Job No. 240539 | AIC... 10000

Mounting SURFACE | Main... MLO | Neutral 200% | Voltage: 480Y/277V-3PH 4W | Main... 100 AMPS | Ground Equipment Ground | Lugs SINGLE

PANEL: (N)SH1M — ALL LOADS IN VA

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description	Amp/P	Wire	Cir. No.	Ph	Cir. No.	Wire	Amp/P	Description	Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S
							0.00				1	A	2	(E)	15/3	(E)HWP-2			2275					0.00
177							0.00	(E)LIGHT RM A214 A218	20/1	(E)	3	B	4	-		-			2275					0.00
425							0.00	(E)LIGHT MECH	20/1	(E)	5	C	6	-		-			2275					0.00
71							0.00	(E)LIGHT ELEC A113	20/1	(E)	7	A	8	(E)	45/3	(E)PCHP-2			5817					0.00
							0.00				9	B	10	-		-			5817					0.00
							0.00				11	C	12	-		-			5817					0.00
							0.00				13	A	14	(E)	60/3	(E)SCHP-2			7479					0.00
							0.00				15	B	16	-		-			7479					0.00
							0.00				17	C	18	-		-			7479					0.00
							0.00				19	A	20											0.00
							0.00				21	B	22											0.00
							0.00				23	C	24											0.00
0	14400	0	0	0	14560	0	0.00	XFMR S4TA	175/3	SEE	25	A	26		15/3	SPARE								1.00
0	14400	0	0	0	14560	0	0.00		-	RISER	27	B	28		-	-								0.00
0	14400	0	0	0	14560	0	0.00		-	-	29	C	30		-	-								0.00
0	4320	0	0	0	7680	0	0.00	PANEL SH1D	100/3	SEE	31	A	32	(E)	100/3	(E)PANEL SH1B	130							0.00
0	4320	0	0	0	7680	0	0.00	-	-	RISER	33	B	34	-	-	-	130							0.00
0	4320	0	0	0	7680	0	0.00	-	-	-	35	C	36	-	-	-	130							0.00
					17		0.00	BUILDING METER	15/3	(E)	37	A	38	(E)	70/3	(E)XSIC (45 KVA)						6736		0.00
					17		0.00	-	-	-	39	B	40	-	-	-						6736		0.00
					17		0.00	-	-	-	41	C	42	-	-	-						6736		0.00
							0.00				43	A	44	(E)	225/3	(E)XSIM (150 KVA)						49148		0.00
							0.00				45	B	46	-	-	-						49148		0.00
							0.00				47	C	48	-	-	-						49148		0.00
673	56160	0	0	0	66770	0	0.00	**TOTALS**								**TOTALS**	390	0	46713	0	0	167653	0	1.00

LOAD SUMMARY

Ltg.	Recept	Motor	Heat	Cool	Other	Kitchen	S/S	Description
1.1	56.2	46.7	0.0	0.0	234.4	0.0	1.0	Connected KVA
1.25	**	1.00	1.00	1.00	1.00	0.65	0.50	*Design Factors
1.3	33.1	46.7	0.0	0.0	234.4	0.0	0.5	Design KVA

Phase Load	
Ph	KVA
A	112.6
B	112.7
C	113.0

Panel Remarks:

*Input di...
**100% ...

86880

	Con. KVA	Con. Amps		Des. KVA	Des. Amps
TOTAL	339.4	408.2		316.0	380.1

PANEL: (N)SH1M

Date: 12/10/2025 | By: Designer | 1602840

PBK

LEAF ENGINEERS

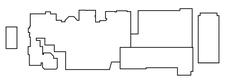
www.pbk.com
TX FIRM: BR 1608
HOUSTON, TX
713-366-0608

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD



KEY PLAN

NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL
ENGINEER

December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT

DRAWN BY: LT

ELECTRICAL PANEL SCHEDULES

EP-709

Plot Stamp:
12/10/2025 5:15:56 PM

0"

1"

ELECTRICAL SITE PLAN
ES-101
FOR BLUEBEAM LABELING/OCR:

SITE PLAN GENERAL NOTES:

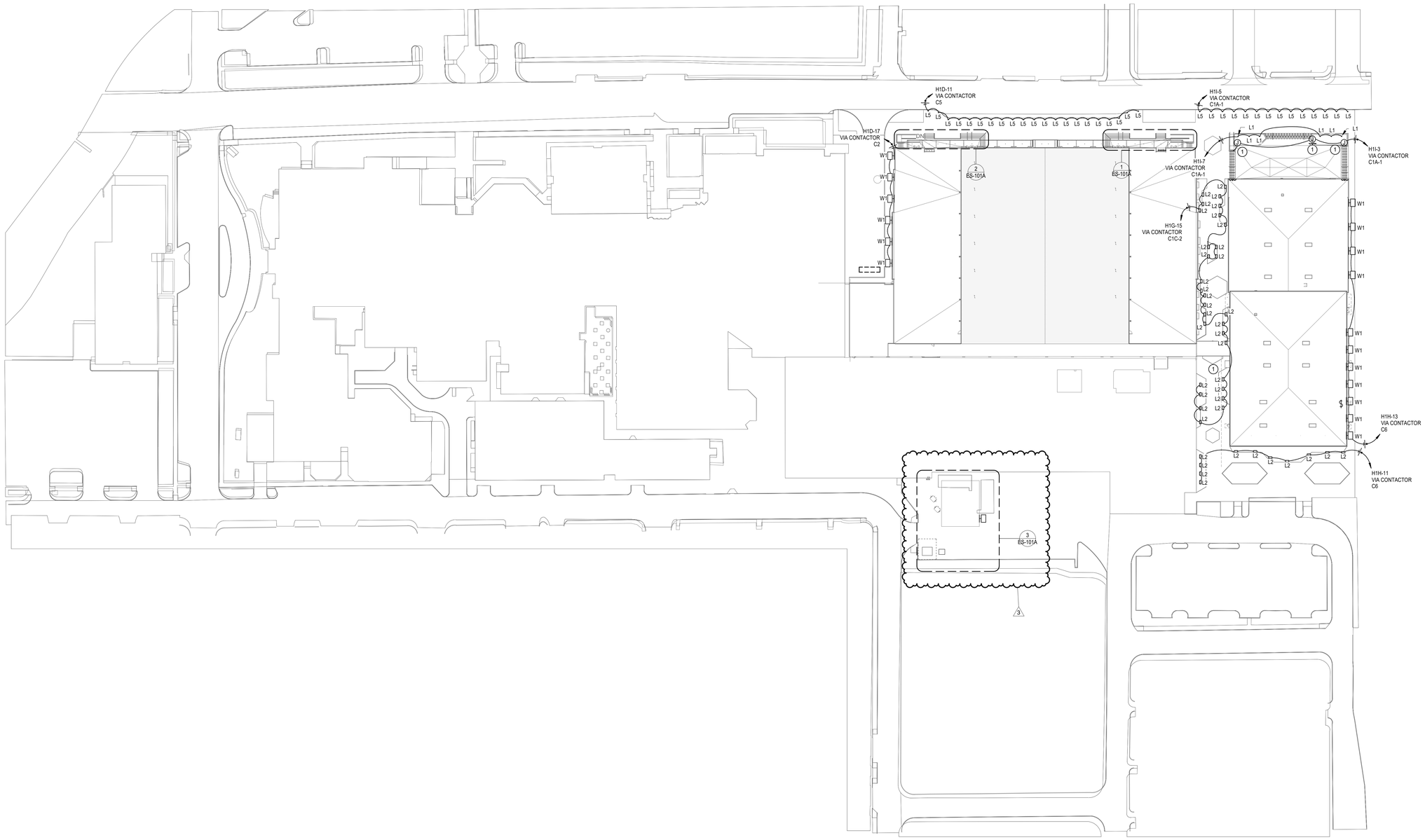
1. COORDINATE ROUTING FOR ALL UNDERGROUND ELECTRICAL BRANCH CIRCUITS AND FEEDERS WITH OTHER DISCIPLINES PRIOR TO TRENCHING.
2. UNLESS NOTED OTHERWISE ALL UNDERGROUND CONDUIT SHOWN ON THIS PLAN TO BE MINIMUM 1" IN SIZE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY INSTALLATION OF NEW WORK.

SITE PLAN KEYED NOTES:

(1) REMOTE EXTERIOR NEMA 3R DRIVER LOCATED IN RAISED PLANTER TO PROVIDE POWER TO STAIR NOSE LIGHTING. CONTRACTOR SHALL COORDINATE CONDUIT PATHWAYS AND CONNECTIONS WITH ALL RELEVANT PARTIES FOR INSTALLATION IN CONCRETE STAIRS.

(2) STUB UP CONDUIT AND CABLES FOR FUTURE CONNECTION TO CENTRAL PLANT AND MAKE SAFE. FIELD VERIFY FINAL LOCATION WITH PACKAGED CENTRAL PLANT REQUIREMENTS.

(2) EXISTING CABLE TAP BOX TO BE REPLACED, SEE ELECTRICAL RISER DIAGRAM E-502



1 ELECTRICAL SITE PLAN
SCALE: 1" = 50'-0"

Plot Stamp:
12/10/2025 5:16:01 PM

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TX FIRM: BR 1608
HOUSTON, TX
713-366-0808

LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-16672

CLIENT	
Galena Park ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

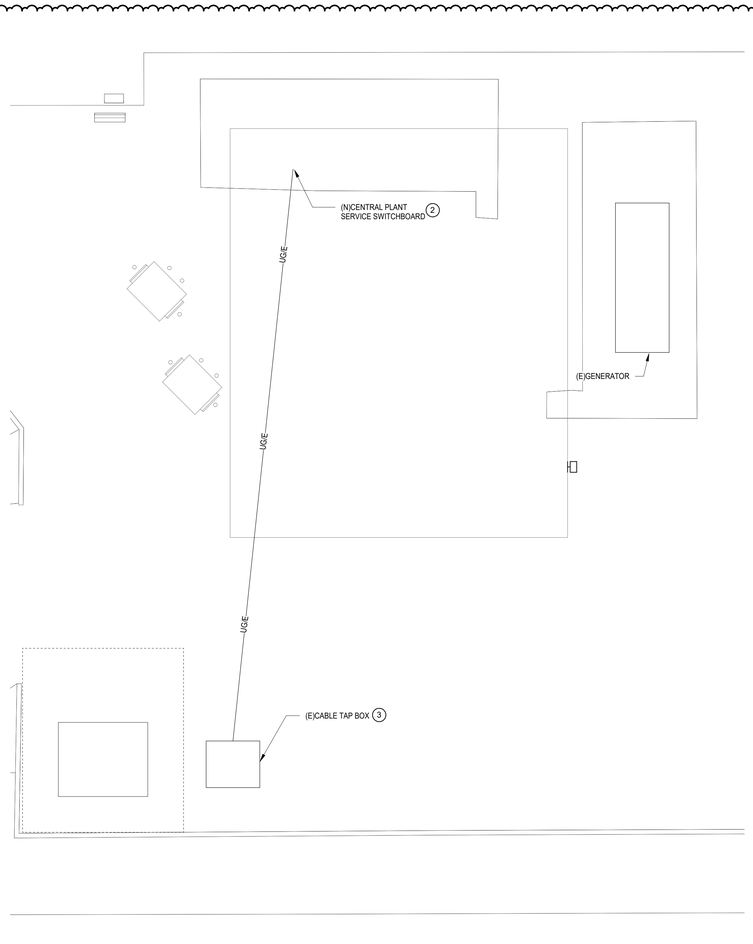
ELECTRICAL SITE PLAN

ES-101

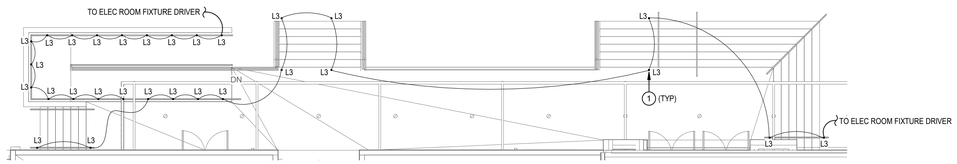
ELECTRICAL SITE PLAN - ENLARGED VIEWS
ES-101A

FOR BLUEBEAM LABELING/OCR:

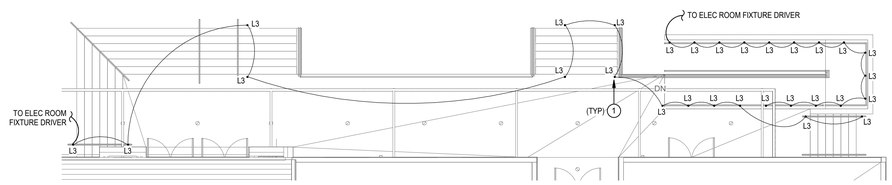
0"
1"



3 **ELECTRICAL SITE PLAN - Callout 3**
SCALE: 1/8" = 1'-0"



2 **ELECTRICAL SITE PLAN - Callout 2**
SCALE: 1/8" = 1'-0"



1 **ELECTRICAL SITE PLAN - Callout 1**
SCALE: 1/8" = 1'-0"

LIGHTING PLAN GENERAL NOTES

1. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
2. UNLESS OTHERWISE NOTED, ALL 2X4'S ARE TYPE "A2", ALL EXIT SIGNS ARE TYPE "X".
3. UNLESS OTHERWISE NOTED, TWO SWITCHES SIDE-BY-SIDE INDICATES MULTI-LEVEL SWITCHING. PROVIDE ONE-PIECE COVER PLATE FOR LIGHT SWITCHES. DESIGNATION NEXT TO SWITCHES INDICATES BRANCH CIRCUIT NUMBER. PROVIDE CONNECTION TO ALL FIXTURES IN THE ROOM.
4. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM OF OCCUPANCY SENSORS FOR ON/OFF CONTROL OF ALL LIGHT FIXTURES INCLUDING BUT NOT LIMITED TO POWER PACKS, WIRING, ETC. RE: DIVISION 26 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. ALL EMERGENCY LIGHTING BRANCH CIRCUIT(S) SHALL BE 2#10, 1#10G, ¾"C PROVIDE 20A UNSWITCHED BRANCH CIRCUIT (2#12, 1#12G, 3/4"C) FROM EMERGENCY PANEL TO ALL EXIT SIGNS IN THIS AREA. SEE PANEL SCHEDULE FOR CIRCUIT NUMBER(S).

   FIXTURES NOTED AS EMERGENCY SHALL BE PROVIDED POWER AS FOLLOWS:

   A. FOR FIXTURES IN ROOMS WITH BOTH NORMAL AND EMERGENCY FIXTURES A UL 924 EMERGENCY BYPASS DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES WITH EMERGENCY CIRCUIT INDICATED. THE NORMAL CIRCUIT SHALL BE CONNECTED TO AND MONITORED BY THE BYPASS DEVICE. UPON LOSS OF NORMAL POWER EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

   B. FOR FIXTURES IN ROOMS WITH ONLY EMERGENCY FIXTURES A UL 1008 EMERGENCY TRANSFER DEVICE SHALL BE USED TO PROVIDE POWER TO THE EMERGENCY FIXTURES. BOTH THE EMERGENCY AND NORMAL CIRCUITS AS INDICATED SHALL BE CONNECTED TO TRANSFER DEVICE. UPON LOSS OF NORMAL POWER THE DEVICE SHALL TRANSFER TO THE EMERGENCY CIRCUIT AND EMERGENCY LIGHTS SHALL ILLUMINATE TO FULL.

LIGHTING PLAN KEYED NOTES

1. PUCK LIGHT INSTALLED IN BOTTOM OF HANDRAIL. CONTRACTOR SHALL COORDINATE WITH SUPPLIER OF HANDRAIL FOR ALL INSTALLATION REQUIREMENTS.
2. STUB UP CONDUIT AND CABLES FOR FUTURE CONNECTION TO CENTRAL PLANT AND MAKE SAFE. FIELD VERIFY FINAL LOCATION WITH PACKAGED CENTRAL PLANT CONTRACTOR DERRYBERRY'S MECHANICAL. POC DARYL MARTIN daryl.martin@derryberrys.com. WORK TO OCCUR SUMMER 2026.
3. EXISTING CABLE TAP BOX TO BE REPLACED, SEE ELECTRICAL RISER DIAGRAM E-502. WORK TO OCCUR SUMMER 2026.

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TX FIRM: BR 1608
HOUSTON, TX
713-366-0808
LEAF ENGINEERS

PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE: December 5, 2025	PROJECT NUMBER: 240539

DRAWING HISTORY

No.	Description	Date
3	ADD 01	2025/12/10

CHECKED BY: OT
DRAWN BY: LT

ELECTRICAL SITE PLAN - ENLARGED VIEWS

ES-101A

Plot Stamp:
12/10/2025 5:16:01 PM

TECHNOLOGY SITE PLAN
TS-101

FOR BLUEBEAM LABELING/OCR:

0"
1"

TECHNOLOGY SITE PLAN GENERAL NOTES

A. ALL CONDUITS AND PULL BOXES SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

B. PROVIDE PULL BOX EVERY 250' AND / OR 270 DEGRESS OF RADIUS.

C. ALL IN-GROUND PULL BOXES SHALL BE EQUIPPED WITH A 48" DEEP GRAVEL DRY WELL TO ALLOW FOR DRAINAGE. SEE CIVIL PLANS FOR DETAILS.

D. ALL DATA AND TELECOM UNDERGROUND CONDUITS SHALL BE AT 4 FT. BELOW GRADE IF OPEN TRENCH DUG OR 8 FT. BELOW GRADE IF BORING MACHINE IS USED.

E. PROVIDE BORING OR SAWCUT AND BACKFILL. VERIFY WITH ARCHITECT THE PREFERRED METHOD.

F. ALL CONDUIT PATHWAYS AND PULL BOX LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY PROPER PATHWAY PRIOR TO INSTALLATION.

G. CONTRACTOR IS LIABLE FOR DAMAGE TO ALL EXISTING CABLING, SYSTEMS AND UTILITIES THAT ARE TO REMAIN.

H. TECHNOLOGY CABLING CONTRACTOR SHALL SEAL ALL OPEN CONDUIT ENDS WITH A PERMAGUM SEALING COMPOUND / GUM AFTER CABLING IS INSTALLED.

I. ALL CABLING INSTALLED IN PLENUM SPACES SHALL BE PLENUM RATED OR INSTALLED IN EMT CONDUIT AFTER 50 FEET UPON ENTRANCE INTO THE PLENUM SPACE, OR, THE NON-PLENUM RATED CABLING SHALL BE SPLICED IN AN ENCLOSURE WITH PLENUM RATED CABLING AND EXTENDED TO THE NEAREST IDF / MDF.

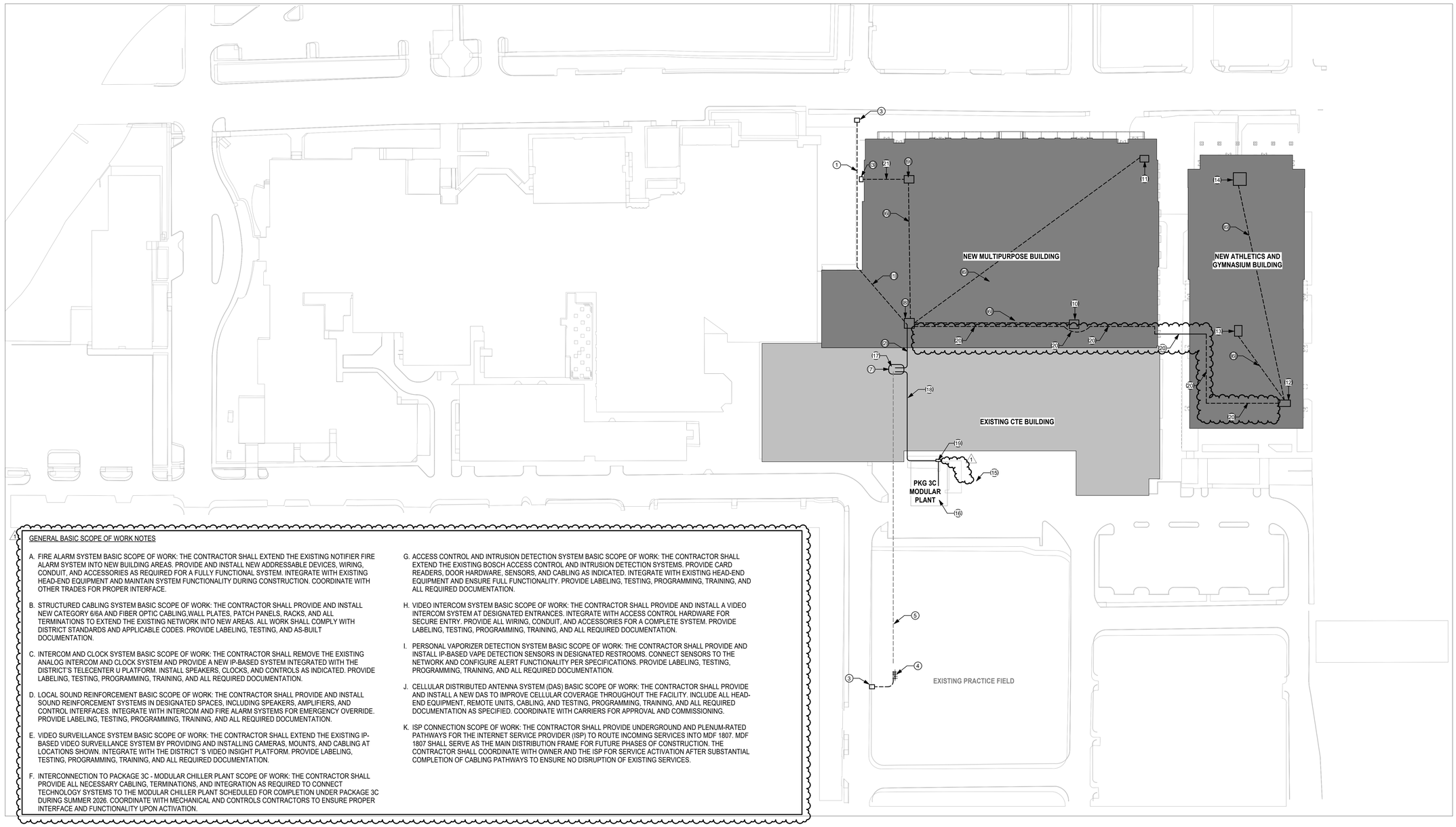
J. PROVIDE LIGHTNING PROTECTION / POWER SURGE PROTECTION / BUILDING ENTRANCE TERMINALS AND PROPER GROUNDING AND BONDING ON ALL METALLIC CABLING ENTERING THE BUILDING FROM AN EXTERIOR, SEPARATE STRUCTURE OR LOCATION.

K. PROVIDE 1 QTY. MAXCELL 3-CELL INNERDUCT IN ALL IN-GROUND CONDUITS, 2 IN. THROUGH 4 IN.

L. REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS.

TECHNOLOGY SITE PLAN KEYED NOTES

1. INDICATES 2 QTY. 4 IN. UNDERGROUND CONDUITS ROUTED FROM EASEMENT TO THE MDF FOR THE OWNER 'S AT&T SERVICE PROVIDER COMMUNICATIONS CABLING THAT SHALL STUB UP INTO FIRST FLOOR ROOM INDICATED. AT&T TELECOM FIBER SHALL BE COORDINATED TO BE ROUTED THROUGH SUB-GRADE PATHWAY AND PLENUM WHEN SUBSTANTIAL PHASE OF CONSTRUCTION ALLOWS FOR COMPLETE PATHWAY TO LAND IN MDF 1807.
2. INDICATES APPROXIMATE PLENUM CHASE CABLING PATHWAY. VERIFY PROPER PATHWAY PRIOR TO INSTALLATION. PROVIDE THROUGH-WALL CONDUIT SLEEVES AS REQUIRED. PROVIDE 1" EMT CONDUIT IN AREAS WITH AN EXPOSED CEILING. CABLING SHALL ROUTE THROUGH THE SKY-BRIDGE CHASE ON FIST LEVEL PLENUM. THIS PATHWAY SHALL BE UTILIZED FOR FIBER ROUTING FROM MDF IN CTE BUILDING TO INDICATED IDF LOCATIONS, AND CONTRACTOR SHALL PROVIDE 1 QTY. 6-STRAND SINGLE-MODE OSP FIBER CABLE.
3. INDICATES 36"X36"X36" CONCRETE PULL BOX INSTALLED FLUSH WITH GRADE TYPICALLY IN GRASS AREA FOR DATA / TELECOM SYSTEMS. PROVIDE WIDE SWEEPING TURNS ON ALL CONDUIT ENTERING AND EXITING BOX AND FOR ALL CONDUIT TURNS ALONG ROUTE. PULL BOX SHALL BE RATED FOR THE TERRAIN IN WHICH IT SHALL BE INSTALLED. DO NOT INSTALL PULL BOXES IN SIDEWALKS. PULL BOXES INSTALLED IN PARKING LOTS OR DRIVEWAYS MUST BE RATED FOR SUCH AN ENVIRONMENT. VERIFY PROPER LOCATION PRIOR TO ROUGH-IN. FOR ENCLOSURES AT FENCE LOCATIONS, ENSURE ACCESS TO BOX FROM THE OUTSIDE OF FENCE LINE. TYPICAL FOR ALL LOCATIONS SHOWN.
4. INDICATES EXISTING 4 QTY. 4 IN. STUBBED UP UNDERGROUND CONDUITS ROUTED FROM PRACTICE FIELD TO CTE MDF 1807. PATHWAY SHALL BE CONTINUED SUB-GRADE TO EDGE OF STREET BY SERVICE POLE IN ORDER TO PROVIDE SUB-GRADE PATHWAY FOR OWNER'S COMCAST SERVICE PROVIDER COMMUNICATIONS CABLING. CONTRACTOR SHALL CUT AND CONTINUE SUB-GRADE PATHWAY FROM STUBBED UP CONDUITS TO EDGE OF STREET. PROVIDE ANY ADDITIONAL CONCRETE PULL BOXES TO ACCOMMODATE THE CONTINUED CONDUIT PATHWAY.
5. INDICATES APPROXIMATE PATHWAY OF EXISTING SUB-GRADE CONDUIT PATHWAY TO PRACTICE FIELD FROM MDF 1807 IN CTE BUILDING.
6. INDICATES 2 QTY. 4 IN. SUBGRADE CONDUITS ROUTED FROM AND STUBBED UP IN THE INDICATED IDF TO SUBSEQUENT INDICATED IDF FOR FIBER PATHWAY. PROVIDE 1 QTY. 6-STRAND SINGLE-MODE OSP FIBER CABLE.
7. INDICATES APPROXIMATE LOCATION OF MDF 1807 IN EXISTING CTE BUILDING
8. INDICATES APPROXIMATE LOCATION OF IDF 1129.
9. INDICATES APPROXIMATE LOCATION OF IDF 1106.
10. INDICATES APPROXIMATE LOCATION OF IDF 1138
11. INDICATES APPROXIMATE LOCATION OF IDF 1162
12. INDICATES APPROXIMATE LOCATION OF IDF 1545
13. INDICATES APPROXIMATE LOCATION OF IDF 1524.1
14. INDICATES APPROXIMATE LOCATION OF IDF IN IDF/ELEC 1503
15. INDICATES APPROXIMATE LOCATION OF TEMPORARY CHILLER TRAILER.
16. INDICATES APPROXIMATE LOCATION OF MODULAR CHILLER BUILDING.
17. INDICATES APPROXIMATE LOCATION OF EXISTING RAULAND TELECENTER U HEADEND EQUIPMENT AND RACK. HEADEND SHALL BE UTILIZED FOR THE ENTIRETY OF THE SCHOOL BUILDOUT.
18. INDICATES APPROXIMATE PLENUM AND OUTDOOR EXPOSED PATHWAY FOR DATA INTERCONNECTION TO BAS IN MECHANICAL SERVICE YARD. VERIFY PROPER PATHWAY PRIOR TO INSTALLATION. PROVIDE 4 QTY. 1.5" CONDUIT FOR OUTDOOR-EXPOSED CABLE PATHWAY. CONTRACTOR SHALL PROVIDE 8 QTY CAT6A DATA CABLES TO MECHANICAL SERVICE YARD BAS ENDPOINTS, AND DATA ENDPOINTS SHOWN ON FLOOR PLANS. IN A SEPARATE CONDUIT, CONTRACTOR SHALL ROUTE FIRE ALARM INFRASTRUCTURE CABLING TO MAINTAIN PROPER SIGNAL SEPARATION. COORDINATE TO VERIFY EXACT LOCATIONS OF ENDPOINTS. COORDINATE WITH PROJECT MANAGER DARYL MARTIN OF DERRYBERRY'S MECHANICAL CONTRACTORS TO ENSURE INTERCONNECTION WORK TO MODULAR CHILLER PLANT HAPPENS DURING SUMMER OF 2026 PRIOR TO SCHOOL YEAR OPENING.
19. INDICATES APPROXIMATE LOCATION OF (2) SURFACE-MOUNTED AT PLENUM HEIGHT 8X8X4 NEMA4 PULL BOX FOR ROUTING OF DATA CABLING, AND THE OTHER FOR FIRE ALARM CABLING INTO MODULAR CHILLER BUILDING. VERIFY PROPER LOCATION PRIOR TO ROUGH IN.
20. INDICATES 2 QTY. 2 IN. PLENUM-ROUTED CONDUITS ROUTED FROM IDF 1129 TO IDF 1545. CONDUIT SHALL RUN UNDERNEATH SKYBRIDGE C2512 AT PLENUM HEIGHT AND ROUTE THROUGH PLENUM SPACE TO IDF. PROVIDE ALL NECESSARY PULL BOXES AND INFRASTRUCTURE TO ALLOW ROUTING OF FIBER. PROVIDE 1 QTY 6-STRAND SINGLE-MODE OSP FIBER.
21. INDICATES (4) 4 IN. SUBGRADE CONDUITS STUBBED UP IN INDICATED IDF AND ROUTED TO A 36X36X36" CONCRETE PULL BOX AT EDGE OF FOUNDATION INSTALLED FLUSH WITH GRADE FOR FUTURE PROJECT TECHNOLOGY CABLE ROUTING. VERIFY PROPER LOCATION PRIOR TO ROUGH-IN.



GENERAL BASIC SCOPE OF WORK NOTES

A. FIRE ALARM SYSTEM BASIC SCOPE OF WORK: THE CONTRACTOR SHALL EXTEND THE EXISTING NOTIFIER FIRE ALARM SYSTEM INTO NEW BUILDING AREAS. PROVIDE AND INSTALL NEW ADDRESSABLE DEVICES, WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. INTEGRATE WITH EXISTING HEAD-END EQUIPMENT AND MAINTAIN SYSTEM FUNCTIONALITY DURING CONSTRUCTION. COORDINATE WITH OTHER TRADES FOR PROPER INTERFACE.

B. STRUCTURED CABLING SYSTEM BASIC SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CATEGORY 6/6A AND FIBER OPTIC CABLING,WALL PLATES, PATCH PANELS, RACKS, AND ALL TERMINATIONS TO EXTEND THE EXISTING NETWORK INTO NEW AREAS. ALL WORK SHALL COMPLY WITH DISTRICT STANDARDS AND APPLICABLE CODES. PROVIDE LABELING, TESTING, AND AS-BUILT DOCUMENTATION.

C. INTERCOM AND CLOCK SYSTEM BASIC SCOPE OF WORK: THE CONTRACTOR SHALL REMOVE THE EXISTING ANALOG INTERCOM AND CLOCK SYSTEM AND PROVIDE A NEW IP-BASED SYSTEM INTEGRATED WITH THE DISTRICT'S TELECENTER U PLATFORM. INSTALL SPEAKERS, CLOCKS, AND CONTROLS AS INDICATED. PROVIDE LABELING, TESTING, PROGRAMMING, TRAINING, AND ALL REQUIRED DOCUMENTATION.

D. LOCAL SOUND REINFORCEMENT BASIC SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE AND INSTALL SOUND REINFORCEMENT SYSTEMS IN DESIGNATED SPACES, INCLUDING SPEAKERS, AMPLIFIERS, AND CONTROL INTERFACES. INTEGRATE WITH INTERCOM AND FIRE ALARM SYSTEMS FOR EMERGENCY OVERRIDE. PROVIDE LABELING, TESTING, PROGRAMMING, TRAINING, AND ALL REQUIRED DOCUMENTATION.

E. VIDEO SURVEILLANCE SYSTEM BASIC SCOPE OF WORK: THE CONTRACTOR SHALL EXTEND THE EXISTING IP-BASED VIDEO SURVEILLANCE SYSTEM BY PROVIDING AND INSTALLING CAMERAS, MOUNTS, AND CABLING AT LOCATIONS SHOWN. INTEGRATE WITH THE DISTRICT 'S VIDEO INSIGHT PLATFORM. PROVIDE LABELING, TESTING, PROGRAMMING, TRAINING, AND ALL REQUIRED DOCUMENTATION.

F. INTERCONNECTION TO PACKAGE 3C - MODULAR CHILLER PLANT SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CABLING, TERMINATIONS, AND INTEGRATION AS REQUIRED TO CONNECT TECHNOLOGY SYSTEMS TO THE MODULAR CHILLER PLANT SCHEDULED FOR COMPLETION UNDER PACKAGE 3C DURING SUMMER 2026. COORDINATE WITH MECHANICAL AND CONTROLS CONTRACTORS TO ENSURE PROPER INTERFACE AND FUNCTIONALITY UPON ACTIVATION.

G. ACCESS CONTROL AND INTRUSION DETECTION SYSTEM BASIC SCOPE OF WORK: THE CONTRACTOR SHALL EXTEND THE EXISTING BOSCH ACCESS CONTROL AND INTRUSION DETECTION SYSTEMS. PROVIDE CARD READERS, DOOR HARDWARE, SENSORS, AND CABLING AS INDICATED. INTEGRATE WITH EXISTING HEAD-END EQUIPMENT AND ENSURE FULL FUNCTIONALITY. PROVIDE LABELING, TESTING, PROGRAMMING, TRAINING, AND ALL REQUIRED DOCUMENTATION.

H. VIDEO INTERCOM SYSTEM BASIC SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE AND INSTALL A VIDEO INTERCOM SYSTEM AT DESIGNATED ENTRANCES. INTEGRATE WITH ACCESS CONTROL HARDWARE FOR SECURE ENTRY. PROVIDE ALL WIRING, CONDUIT, AND ACCESSORIES FOR A COMPLETE SYSTEM. PROVIDE LABELING, TESTING, PROGRAMMING, TRAINING, AND ALL REQUIRED DOCUMENTATION.

I. PERSONAL VAPORIZER DETECTION SYSTEM BASIC SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE AND INSTALL IP-BASED VAPE DETECTION SENSORS IN DESIGNATED RESTROOMS. CONNECT SENSORS TO THE NETWORK AND CONFIGURE ALERT FUNCTIONALITY PER SPECIFICATIONS. PROVIDE LABELING, TESTING, PROGRAMMING, TRAINING, AND ALL REQUIRED DOCUMENTATION.

J. CELLULAR DISTRIBUTED ANTENNA SYSTEM (DAS) BASIC SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE AND INSTALL A NEW DAS TO IMPROVE CELLULAR COVERAGE THROUGHOUT THE FACILITY. INCLUDE ALL HEAD-END EQUIPMENT, REMOTE UNITS, CABLING, AND TESTING, PROGRAMMING, TRAINING, AND ALL REQUIRED DOCUMENTATION AS SPECIFIED. COORDINATE WITH CARRIERS FOR APPROVAL AND COMMISSIONING.

K. ISP CONNECTION SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE UNDERGROUND AND PLENUM-RATED PATHWAYS FOR THE INTERNET SERVICE PROVIDER (ISP) TO ROUTE INCOMING SERVICES INTO MDF 1807. MDF 1807 SHALL SERVE AS THE MAIN DISTRIBUTION FRAME FOR FUTURE PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH OWNER AND THE ISP FOR SERVICE ACTIVATION AFTER SUBSTANTIAL COMPLETION OF CABLING PATHWAYS TO ENSURE NO DISRUPTION OF EXISTING SERVICES.

1 TECHNOLOGY SITE PLAN
SCALE: 1" = 50'-0"

Plot Stamp:
12/10/2025 3:37:57 PM

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PHASE 3B (ATHLETICS, ACADEMIC & MULTI-PURPOSE FACILITY)

1000 Keene St.
Galena Park, TX 77547

ISSUE FOR PROPOSAL

Galena Park ISD

KEY PLAN
NORTH: PLAN TRUE

STATE OF TEXAS
DONALD C. RICHARDS
61525
LICENSED
PROFESSIONAL
ENGINEER
December 5, 2025
LEAF ENGINEERS
F-18672

CLIENT	
Galena Park ISD	
DATE	PROJECT NUMBER
December 5, 2025	240539

DRAWING HISTORY

No.	Description	Date
1	ADDENDUM 1	12/10/2025

CHECKED BY: CL
DRAWN BY: REN

TECHNOLOGY SITE PLAN

TS-101