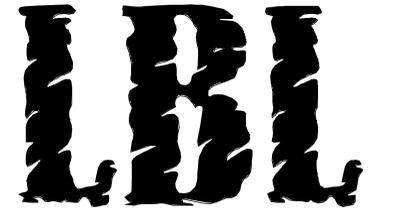


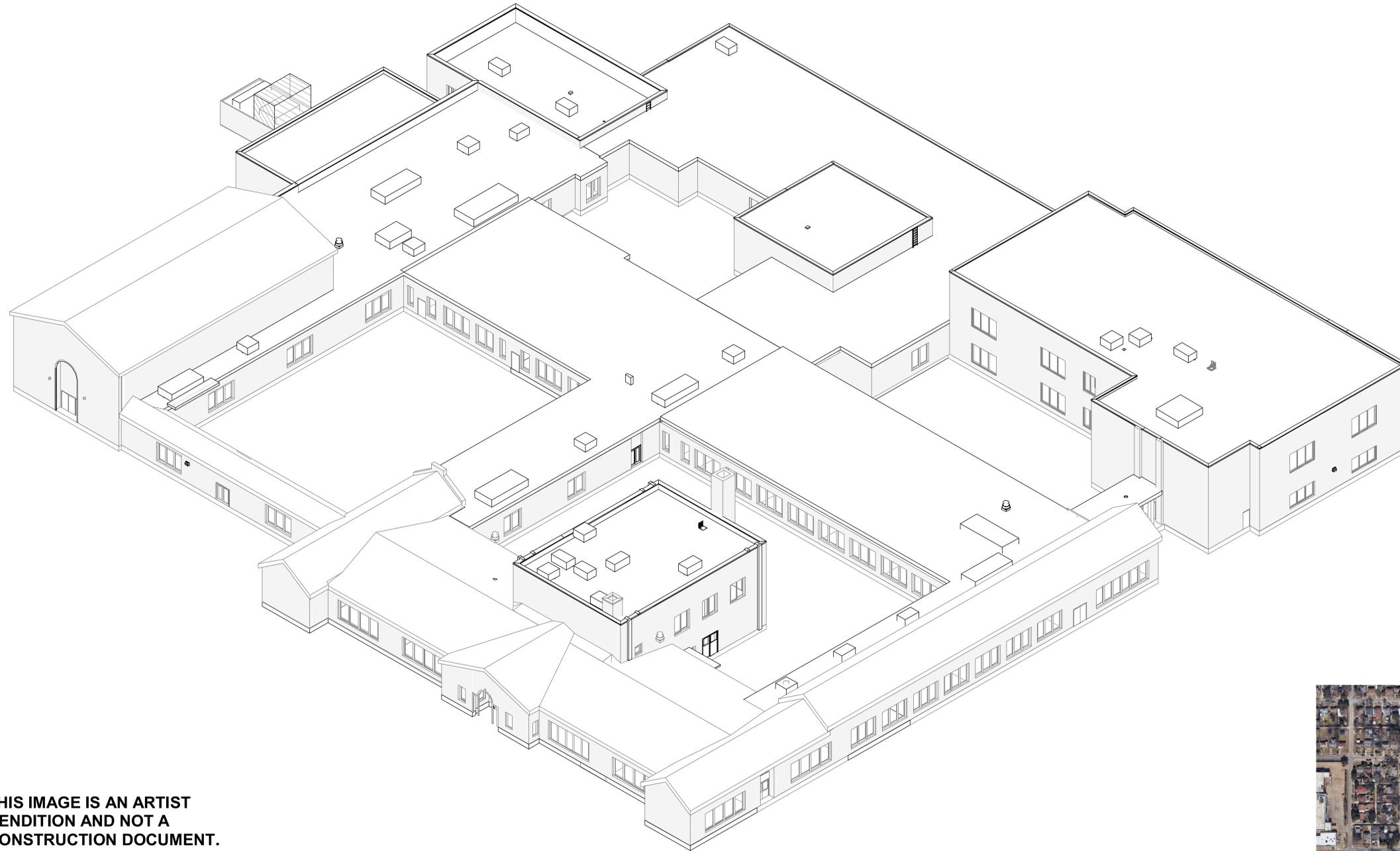
DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL

1515 S RAVINIA DR, DALLAS, TX 75211



**ARCHITECTS**  
Listen. Build. Lead.

10/17/2024  
VOLUME 1



THIS IMAGE IS AN ARTIST  
RENDITION AND NOT A  
CONSTRUCTION DOCUMENT.



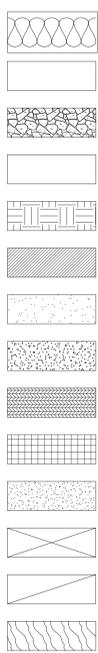
PROJECT SITE

EAB #: 2025003625  
FOR CONSTRUCTION

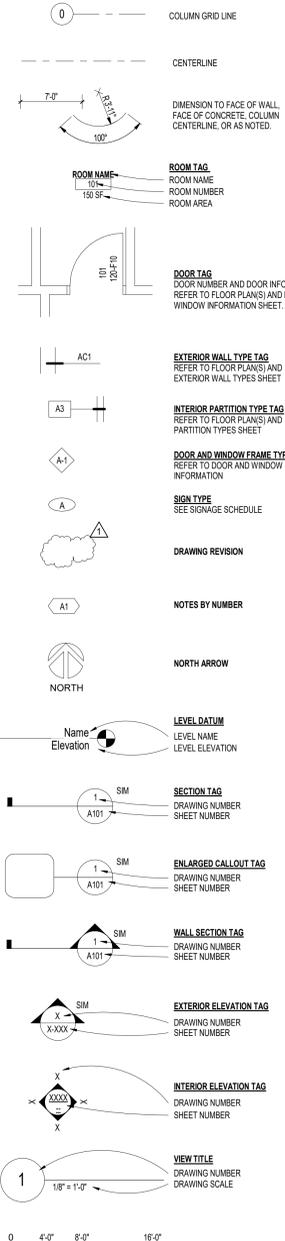
ABBREVIATIONS

Table of abbreviations and their corresponding full names, such as ACT. ACTUAL, ADJ. ADJUSTABLE, etc.

MATERIALS LEGEND



DRAWING LEGEND



GENERAL NOTES

- 1. THE CONTRACT DRAWINGS AND THE PROJECT MANUAL COMPREHENSIVE THE CONTRACT DOCUMENTS...
2. BY SUBMITTING A BID, THE CONTRACTOR(S) AGREES THAT THEIR WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS IN EFFECT AT THE TIME OF THE BID SUBMITTAL.
3. THESE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES...
4. VERIFY ALL DIMENSIONS, GRADES, AND EXISTING CONDITIONS AT JOB SITE...
5. VERIFY SIZE AND LOCATIONS OF ALL OPENINGS WITH CONTRACTORS INVOLVED...
6. THE PROJECT SHALL BE CONSTRUCTED TO BE ACCESSIBLE TO PERSONS WITH DISABILITIES AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
7. ERRORS AND/OR OMISSIONS IN ROOM, DOOR, OR WINDOW SCHEDULES DO NOT RELIEVE THE CONTRACTOR FROM EXECUTING WORK SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.
8. IN ROOMS OR AREAS WITH EXPOSED STRUCTURE, ALL WIRING & CABLING TO BE IN CONDUIT.

GENERAL PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE FOLLOWING:

Table with columns: PROJECT TYPE, ITEM, YES, NO. Lists project types like NEW CONSTRUCTION, ADDITION, RENOVATION, SYSTEM UPGRADES and items like NEW STRUCTURAL SYSTEM, EXISTING STRUCTURAL SYSTEM AFFECTED, etc.

ANY FURNITURE THAT MOVES AS A RESULT OF THE RENOVATION (THAT IS NEEDED TO COMPLETE THE RENOVATION WORK) TO BE PERFORMED BY THE GENERAL CONTRACTOR. DALLAS ISD WILL NOT PROVIDE ANY MOVER. ANY REFERENCE MADE FOR DISD TO PROVIDE MOVERS SHALL BE VOIDED AND MUST BE IGNORED.

REFER TO HAZMAT TASK 1 REPORT FOR HAZMAT SCOPE IN PROJECT MANUAL. ANY ASBESTOS ABATEMENT REQUIRED TO PERFORM THE WORK, TO BE DONE BY THE CONTRACTOR. DISD WILL NOT PROVIDE ASBESTOS ABATEMENT CONTRACTOR.

SCHOOL ELEVATOR CANNOT BE USED BY THE CONSTRUCTION WORKERS AND/OR TO TRANSPORT CONSTRUCTION MATERIAL.

CONTRACTOR IS TO PROTECT IRRIGATION PIPES WHEN RENOVATING SIDEWALKS OR TRENCHING FOR PIPES.

CONTRACTOR MUST TEST PA, FA, IT, SECURITY, AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SAID SYSTEMS ARE NOT WORKING, BRING IT TO THE ATTENTION OF THE PROJECT MANAGER.

ANY SYSTEM FOUND NOT WORKING AFTER THE START OF DEMOLITION WORK WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AT NO COST OF DISD.

CONTRACTOR IS TO INSTALL NEW AC FILTERS ON ALL NEWLY INSTALLED AC EQUIPMENT, BOTH AT ONE WEEK PRIOR TO THE SUBSTANTIAL COMPLETION, AND ONE WEEK PRIOR TO THE SIX MONTHS WARRANTY WALK.

CONTRACTOR TO REVIEW ALL PICTURES CAREFULLY. ANY WALL/CEILING MOUNTED DEVICES, OUTLETS, FURNITURE, CASEWORK, ETC. THAT NEED TO BE REMOVED AND REINSTALLED TO PERFORM THE WORK SHOULD BE DONE AS PART OF THIS PROJECT AT NO ADDITIONAL COST.

ARCHITECT

LBL ARCHITECTS
1108 WEST RANDOL MILL SUITE 300
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STRUCTURAL CONSULTANT

PRIMERA DESIGN ASSOCIATES
2102 ROOSEVELT DRIVE
SUITE A
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MECHANICAL, PLUMBING, AND ELECTRICAL CONSULTANT

BAIRD, HAMPTON, & BROWN
6300 RIDGLEA PLACE, SUITE 700
FORT WORTH, TEXAS 76116
(817) 338-1277

YAGCI ENGINEERING
5806 INTERSTATE 20 W
ARLINGTON, TX 76017

CIVIL AND LANDSCAPE CONSULTANT

CARRILLO ENGINEERING
301 COMMERCE STREET, SUITE 1410
FORT WORTH, TEXAS, 76102

ROOFING CONSULTANT

DRYTEC MOISTURE PROTECTION TECHNOLOGY CONSULTANTS, INC.
8700 N. CENTRAL EXPRESSWAY, SUITE 725
DALLAS, TX, 75231

INDEX OF DRAWINGS

ARCHITECTURAL

Table listing drawing titles and sheet numbers, such as COVER SHEET (0.01), GENERAL INFORMATION (0.01), LIFE SAFETY PLAN & DATA PHASING PLANS (0.03), etc.

STRUCTURAL

Table listing structural drawing titles and sheet numbers, such as GENERAL NOTES (S0.1), PARTIAL ROOF FRAMING PLANS (S1.1), etc.

ELECTRICAL

Table listing electrical drawing titles and sheet numbers, such as SITE PLAN - ELECTRICAL (E-1), PARTIAL FIRST FLOOR PLAN - POWER - ELECTRICAL (E-2), etc.

MECHANICAL & PLUMBING

Table listing mechanical and plumbing drawing titles and sheet numbers, such as OVERALL PLAN - LEVEL 1 RCP - FIRE PROTECTION (FP-1.01), OVERALL DEMOLITION MECH/PLBG SITE PLAN (MP-1.00), etc.

Table with project information: COMM. NO. 1287, DATE 10/17/2024, DRAWN DE, CHECKED TM.

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:



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GENERAL INFORMATION

0.01

PROJECT LOCATION



VICINITY MAP

NOT TO SCALE



**CHAPTER 1 - SCOPE AND ADMINISTRATION**

BUILDING: 2021 INTERNATIONAL BUILDING CODE WITH CITY OF DALLAS AMENDMENTS  
 ACCESSIBILITY: TEXAS ACCESSIBILITY STANDARDS 2012 EDITION  
 FIRE: 2021 INTERNATIONAL FIRE CODE WITH CITY OF DALLAS AMENDMENTS  
 PLUMBING: 2021 INTERNATIONAL PLUMBING CODE WITH CITY OF DALLAS AMENDMENTS  
 MECHANICAL: 2021 INTERNATIONAL MECHANICAL CODE WITH CITY OF DALLAS AMENDMENTS  
 ELECTRICAL: 2020 NATIONAL ELECTRICAL CODE WITH CITY OF DALLAS AMENDMENTS  
 ENERGY: 2021 INTERNATIONAL ENERGY CONSERVATION CODE WITH CITY OF DALLAS AMENDMENTS

**CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE**

GROUP 'E' - EDUCATIONAL (IBC 305.1)  
 THE ENTIRE BUILDING OCCUPANCY IS GROUP 'E'. THE USE OF THE BUILDING INCLUDES EDUCATIONAL OCCUPANCIES FOR STUDENTS BELOW THE 12TH GRADE. THE EXISTING BUILDING OCCUPANCY GROUP WILL NOT CHANGE.

**BUILDING AREAS**

OCCUPANT GROUP	FIRST FLOOR	SECOND FLOOR
E	85,051 SF	15,404 SF
<b>TOTAL BUILDING AREA</b>	<b>100,455 SF</b>	

**CHAPTER 6 - TYPES OF CONSTRUCTION - NO CHANGE**

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (IBC TABLE 602, PER CONSTRUCTION TYPE)

FIRE SEPARATION DISTANCE	OCCUPANCY GROUP(S)	FIRE-RESISTANCE RATING REQUIRED	FIRE-RESISTANCE RATING PROVIDED
10' ± X-30'	E	1-HOUR	1-HOUR

**CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES - NO CHANGE, AUTOMATIC SPRINKLER SYSTEM PROVIDED**

**CHAPTER 10 - MEANS OF EGRESS**

OCCUPANT LOAD - NO CHANGE  
 MEANS OF EGRESS - NO CHANGE

EXIT WIDTH REQUIREMENTS - NO CHANGE

CORRIDOR FIRE RESISTANCE RATING - NO CHANGE

MEANS OF EGRESS REQUIREMENTS - NO CHANGE

**EXITS AND ARRANGEMENT**

NUMBER OF EXITS (IBC TABLE 1006.2.1):

REQUIRED: 2 EXITS ARE REQUIRED ON EVERY FLOOR OF THE BUILDING

PROVIDED: A MINIMUM OF 2 EXITS ARE PROVIDED ON EVERY FLOOR OF THE BUILDING

EXIT ARRANGEMENT (1007.1.1):

REQUIRED: THE SEPARATION DISTANCE OF THE EXIT DOORS OF EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

PROVIDED: THE REQUIRED EXITS OF THIS BUILDING ARE MORE THAN 1/3 THE DIAGONAL DISTANCE APART

EXIT ARRANGEMENT - NOCHANGE

**LIFE SAFETY PLAN GENERAL NOTES**

- A. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
- B. ALL SMOKE BARRIER WALLS ARE TO BE EXTENDED FROM BACK SIDE OF EXTERIOR WALL SHEATHING TO BACK SIDE OF EXTERIOR WALL SHEATHING OR ANOTHER SMOKE BARRIER WALL.
- C. FIRE SEPARATION FOR INCIDENTAL STORAGE AREAS OVER 100 SQUARE FEET IS NOT REQUIRED IF AN AUTOMATIC SPRINKLER SYSTEM IS INSTALLED. SMOKE PARTITIONS ARE REQUIRED IN LIEU OF FIRE BARRIERS.
- D. ALL PENETRATIONS MADE THROUGH RATED WALLS SHALL BE CONSTRUCTED AND SEALED AS REQUIRED TO MAINTAIN THE REQUIRED WALL RATING.
- E. REFER TO PARTITION TYPES SHEET FOR ADDITIONAL REQUIREMENTS.
- F. REFER TO PARTITION TYPE SHEET FOR UL RATINGS OF FIRE RATED PARTITIONS.

**LIFE SAFETY SYMBOLS**



PATH OF TRAVEL & DIRECTION OF EGRESS (FOR CUMULATIVE DISTANCES REFER TO TRAVEL DISTANCE SCHEDULE)

**TRAVEL DISTANCE SCHEDULE IN AREA RENOVATED**

PATH NAME	DISTANCE
1B	68'

1 LIFE SAFETY PLAN  
 1/8" = 1'-0"



COMM. NO. 1287  
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LIFE SAFETY PLAN & DATA  
 0.02



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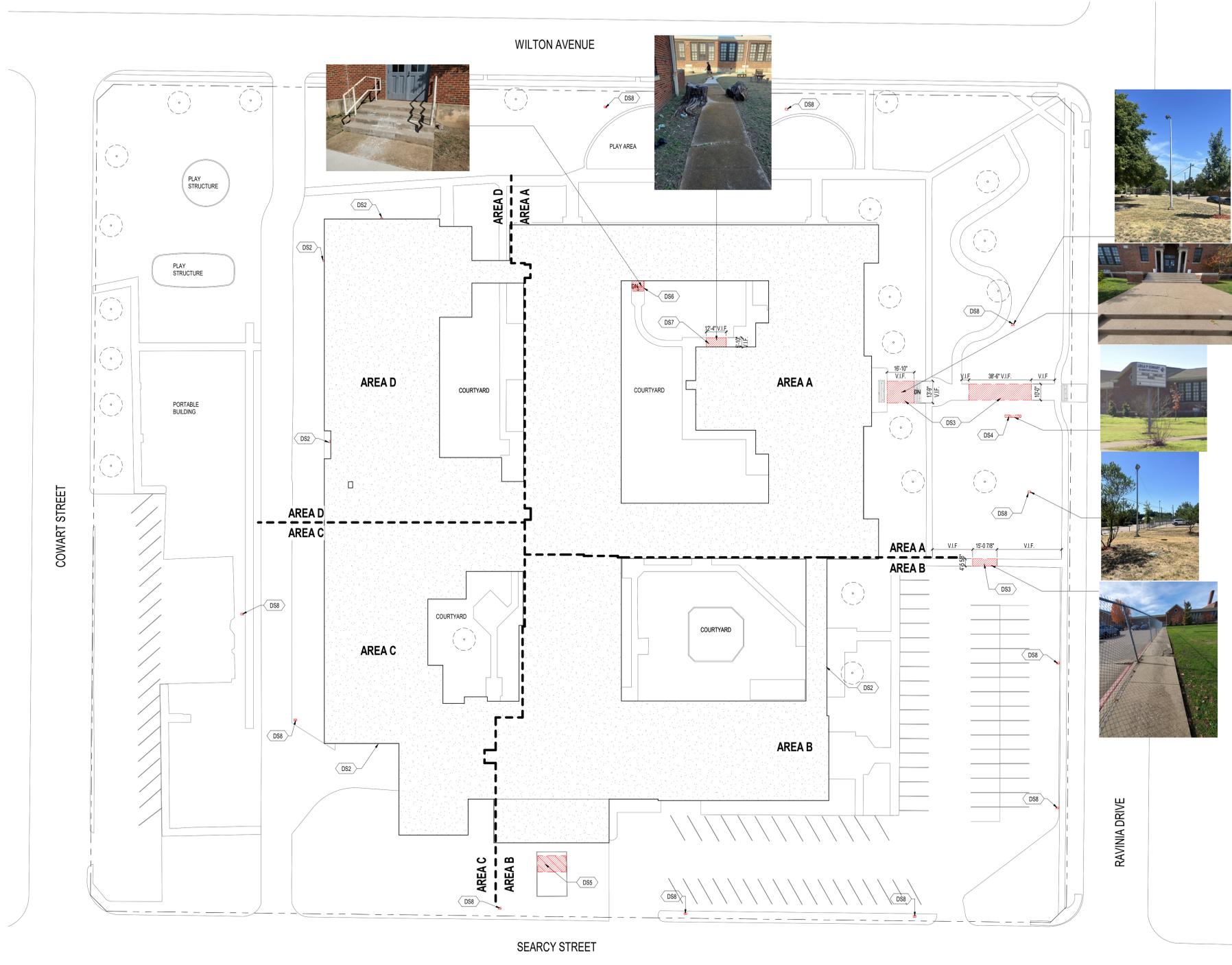
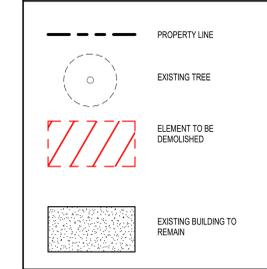
**SITE DEMOLITION GENERAL NOTES**

- A. THIS DRAWING DOES NOT SHOW ALL ASPECTS TO THE SITE DEMOLITION. IT IS INTENDED TO SHOW GENERAL LIMITS OF DEMOLITION. PARTICULAR INTERIM MEASURES THAT THE CONTRACTOR AND OWNER MAY BE RESPONSIBLE FOR, SALVAGE ITEMS, OR SIMILAR UNIQUE ITEMS NOT IDENTIFIED ON OTHER DISCIPLINE SHEETS.
- B. FOR COMPLETE UNDERSTANDING OF THE SITE DEMOLITION THE CIVIL ENGINEERING, LANDSCAPE, MECHANICAL AND ELECTRICAL DRAWINGS ALL NEED TO BE REFERRED TO FOR MORE DETAIL ON SPECIFIC ELEMENTS OF THE WORK.
- C. PHASING DRAWINGS HAVE BEEN PROVIDED TO GIVE A GENERAL UNDERSTANDING OF A PROPOSED SEQUENCING OF THE WORK. REVIEWED WITH THE OWNER AND SITE MANAGEMENT STAFF. THE CONTRACTOR, AFTER STUDYING THE PROJECT, MAY PROPOSE ALTERNATIVES TO THE PHASING OR SEQUENCING OF WORK. THE PROPOSED PHASING CONCEPTS WOULD NEED TO BE APPROVED BY THE OWNER PRIOR TO ANY IMPLEMENTATION. CONCEPTS WHICH RESULT IN A SHORTER CONSTRUCTION PERIOD, SAVINGS IN COST, AND MAINTAIN SEPARATION OF CONSTRUCTION ACTIVITIES FROM STAFF, STUDENTS AND VISITORS SHALL BE CLOSELY EVALUATED.
- D. PRIOR TO ANY SITE DEMOLITION ACTIVITIES, A COORDINATION MEETING SHALL OCCUR WHICH INCLUDES THE GENERAL CONTRACTOR, ARCHITECT, CIVIL ENGINEER, ELECTRICAL ENGINEER AND OWNER. THIS MEETING IS TO OCCUR NO LATER THAN 14 CALENDAR DAYS PRIOR TO THE START OF DEMOLITION.
- E. ALL DIMENSIONS ARE TO THE FACE OF CURB AND FACE OF BUILDING UNLESS NOTED OTHERWISE.
- F. AT ALL ACCESSIBLE PARKING SPACES, 2% IS THE MAXIMUM ALLOWABLE SLOPE IN ANY DIRECTION.
- G. REMOVE ALL EXISTING ELEMENTS FROM THE SITE AS NECESSARY TO CONSTRUCT THE NEW WORK AS INDICATED.
- H. PROVIDE NEW SIGN FOR EACH ACCESSIBLE PARKING SPACE.

**SITE DEMO PLAN NOTES BY NUMBER**

- DS2 REPLACE EXISTING EXTERIOR LIGHT. REFER TO ELECTRICAL DRAWINGS.
- DS3 REMOVE EXISTING DAMAGED CONCRETE TO EXTENTS SHOWN.
- DS4 REMOVE EXISTING POLE MOUNTED MARQUEE, POLE, AND CONCRETE BASE. POWER IS TO REMAIN TO BE EXTENDED. SEE ELECTRICAL DRAWINGS.
- DS5 REMOVE EXISTING COOLING TOWER. SEE MECHANICAL DRAWINGS.
- DS6 REMOVE EXISTING CONCRETE STAIRS AND HANDRAIL.
- DS7 REMOVE EXISTING TREE STUMPS, ROOTS, AND BROKEN PAVEMENT. BACK TO CONTROL JOINTS IN SIDEWALK.
- DS8 REPLACE EXISTING POLE MOUNTED LIGHT. EXISTING POLE IS TO REMAIN. REFER TO ELECTRICAL DRAWINGS.

**DEMOLITION SITE PLAN LEGEND**



**1 DEMOLITION SITE PLAN**  
 1" = 30'-0"  
 NORTH

Autodesk Docs: D:\SD\Leila Cowart\ES\257\DS1\DS1.EIA\COWART.E5\_024.rvt



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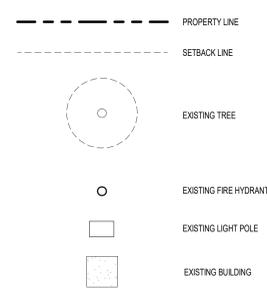
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 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S RAVINIA DR., DALLAS, TX 75211



**SITE PLAN GENERAL NOTES**

- A. ALL DIMENSIONS ARE TO THE FACE OF CURB AND FACE OF BUILDING UNLESS NOTED OTHERWISE.
- B. ALL SITE LIGHTING PIERS AND POLES SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL SITE PLAN. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- C. ALL FACE OF CURB RADIUS AT PARKING ISLANDS AND CORNERS SHALL BE 2'-0" UNLESS NOTED OTHERWISE.
- D. AT ALL ACCESSIBLE PARKING SPACES, 2% IS THE MAXIMUM ALLOWABLE SLOPE IN ANY DIRECTION.
- E. REMOVE ALL EXISTING ELEMENTS FROM THE SITE AS NECESSARY TO CONSTRUCT THE NEW WORK AS INDICATED. REFER TO SURVEY TAPEFLAG ALL EXISTING TREES TO BE REMOVED AND VERIFY WITH ARCHITECT IN FIELD PRIOR TO REMOVAL.
- F. PROVIDE FIRE LANE AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- G. PROVIDE NEW SIGN FOR EACH ACCESSIBLE PARKING SPACE.
- H. REFER TO GRADING PLAN FOR ADDITIONAL INFORMATION.
- I. INSTALL NEW EXTERIOR WATERPROOF SEALANT JOINTS.
- J. PAINT ALL PREVIOUSLY PAINTED EXTERIOR SURFACES. POWERWASH AS REQUIRED.

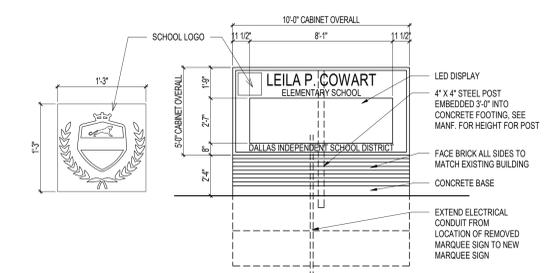
**SITE PLAN SYMBOLS LEGEND**



**SITE PLAN NOTES BY NUMBER**

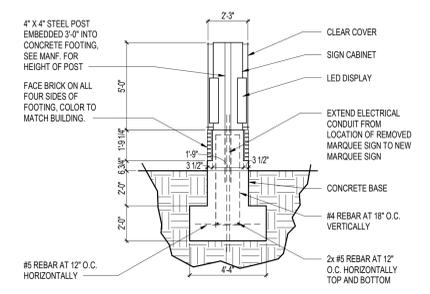
- S1 WALL MOUNTED LED LIGHT. REFER TO ELECTRICAL.
- S2 NEW ELECTRICAL MARQUEE SIGN. SEE SHEET 1.00 FOR DEMOLITION INFORMATION AND LOCATION.
- S3 NEW CONCRETE STAIR AND PAINTED HANDRAIL. SEE DETAILS S&T/ D1.
- S4 REPLACE PORTION OF EXISTING CONCRETE SIDEWALK AND PAVEMENT. SEE SHEET 1.00 FOR DEMOLITION INFORMATION AND LOCATION(S).
- S5 REPLACE EXTERIOR LIGHT WITH NEW LED LIGHT ON EXISTING LIGHTING POLE. SEE REFER TO ELECTRICAL DRAWINGS.
- S6 TRENCH AS REQUIRED TO EXTEND CONDUIT AND POWER FROM LOCATION OF REMOVED MARQUEE.
- S7 25'-0" EASEMENT LINE.
- S8 EXISTING FLAG POLE TO REMAIN.

**2 MARQUEE SIGN ELEVATION**  
 1/4" = 1'-0"



**MARQUEE INSTALLATION IS A TURNKEY TASK. ALL CABLING AND RELATED WORK TO BE PERFORMED BY THE CONTRACTOR. RESPONSIBILITY MATRIX IS NOT APPLICABLE TO THE MARQUEE SIGN SCOPE.**

**3 MARQUEE SIGN SECTION**  
 1/4" = 1'-0"



MATERIAL:	MANUFACTURER & PRODUCT NAME:	NUMBER:	COLOR:	COMMENTS:	CONTACT:
<b>ROOFS</b>					
2-PLY MOD BIT. ROOFING	REFER TO SPECIFICATIONS	-	BRIGHT WHITE	-	-
<b>PROJECTIONS</b>					
WOOD	SHERWIN WILLIAMS - GLOSS	-	COLOR MATCH: KELLY MOORE SOFT SESAME - OW227	FASCIAS, SOFFITS AND TRIM	-
STEEL	SHERWIN WILLIAMS - GLOSS	-	COLOR MATCH: KELLY MOORE SOFT SESAME - OW227	LADDERS AND MISC. STEEL	-
<b>MISCELLANEOUS</b>					
EXTERIOR FORMED METAL INCLUDING GUTTERS, DOWNSPOUTS, BREAK-METAL FLASHING, COPINGS	-	-	COLOR MATCH: KELLY MOORE SOFT SESAME - OW227	FACTORY FINISHED	-

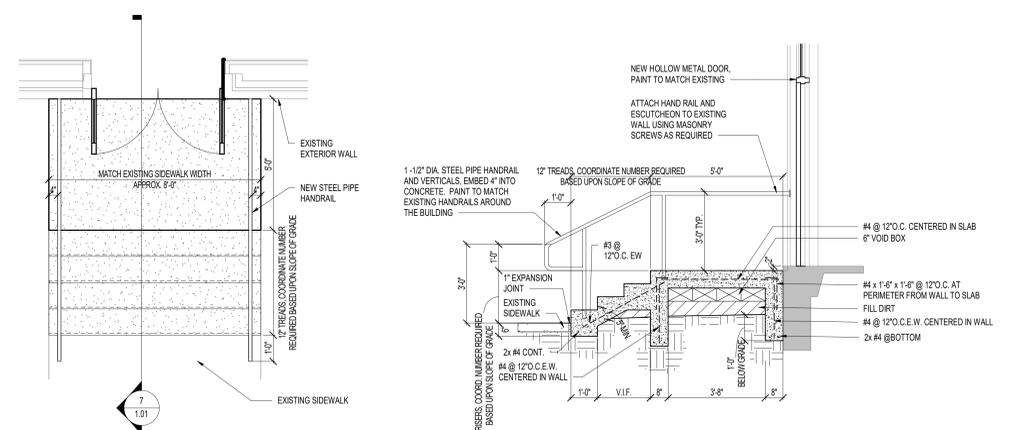
WILTON AVENUE

COWART STREET

RAVINIA DRIVE

SEARCY STREET

**1 SITE PLAN**  
 1" = 30'-0"



**5 STAIR PLAN**  
 3/8" = 1'-0"

**7 STAIR DETAIL 01**  
 3/8" = 1'-0"

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OVERALL DEMOLITION PLAN - LEVEL 1  
 2.00  
 12/16/2024 2:41:58 PM

**DEMOLITION FLOOR PLAN GENERAL NOTES:**

- A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING, 'J' BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.
- B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.
- C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.
- D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES. THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.
- E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.
- F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.
- G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.
- H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL).

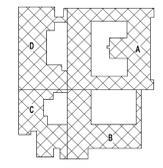
**DEMOLITION FLOOR PLAN NOTES BY NUMBER** D#

- D1 REMOVE EXISTING DOOR AND FRAME
- D2 REMOVE EXISTING DOOR, FRAME, AND PORTION OF WALL AS REQUIRED FOR NEW WIDER DOOR
- D3 REMOVE EXISTING VINYL COMPOSITE TILE (VCT) FLOORING AND BASE
- D4 REMOVE EXISTING DOOR HARDWARE, REFURBISH EXISTING DOOR AND FRAME
- D5 REMOVE EXISTING CHALKBOARD AND PREPARE WALL FOR NEW MAGNETIC WHITEBOARD
- D6 REMOVE EXISTING TACK BOARD AND PREPARE WALL FOR NEW TACKBOARD
- D7 REMOVE EXISTING AHU AND CONTROLS. REFER TO MECHANICAL SHEETS. REMOVE EXISTING GYPSUM CEILING AS REQUIRED TO REMOVE AHU
- D8 REMOVE EXISTING PANEL AND FRAME ABOVE THE OVER DOOR CANOPY. SEE DETAIL 22.04A AND 32.04A

**ANY FURNITURE THAT MOVES AS A RESULT OF THE RENOVATION (THAT IS NEEDED TO COMPLETE THE RENOVATION WORK) TO BE PERFORMED BY THE GENERAL CONTRACTOR. DALLAS ISD WILL NOT PROVIDE ANY MOVER. ANY REFERENCE MADE FOR DISD TO PROVIDE MOVERS SHALL BE VOIDED AND MUST BE IGNORED.**

**DEMOLITION PLAN LEGEND**

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- FLOORING TO BE DEMOLISHED - SEE NOTE BY NUMBERS



1 DEMOLITION FLOOR PLAN - LEVEL 1  
 1/16" = 1'-0"  
 NORTH

THIS DRAWING HAS INFORMATION THAT IS DISTINGUISHED BY COLOR, AND IS INTENDED TO BE VIEWED AS A FULL DOCUMENT ONLY. ANY GRAYSCALE OR BLACK AND WHITE COPY SHALL NOT BE USED.

Autodesk Docs: DISD Leila Cowart ES/2024 DISD LEILA COWART ES\_2024.rvt

**FLOOR PLAN GENERAL NOTES:**

- A. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE 'A3' UNLESS NOTED OTHERWISE.
- B. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
- C. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
- D. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
- E. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- F. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.
- G. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.
- H. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
- I. REPAIR ALL EXTERIOR HANDRAILS AND METAL COLUMNS, XX LOCATIONS
- J. REPAIR THE INSIDE AND OUTSIDE OF ALL EXTERIOR DOORS AND SIDELIGHTS, 11# OF LOCATIONS.

**FLOOR PLAN NOTES BY NUMBER**

- A1 INSTALL NEW CARD ACCESS READER AND DOOR HARDWARE. THE CONTRACTOR IS ONLY TO INSTALL THE BLACKBOX, CONDUIT, AND PULL STRING. THE CARD READER SHALL BE INSTALLED BY DISD.
- A2 INSTALL NEW EXTERIOR DOOR AND METAL FRAME WITH NEW HARDWARE
- A3 INSTALL NEW MAGNETIC WHITE BOARD
- A4 INSTALL NEW TACK BOARD
- A5 REPAIR WATER DAMAGED WALL AND FINISHES. WORK MAY INCLUDE REPAIRS TO WALL STRUCTURE AS WELL AS RESETTING OF TILE AND REPLACEMENT PAINTED PLASTER FINISHES
- A6 INSTALL NEW VCT FLOORING AND RUBBER BASE
- A7 INSTALL NEW INTERIOR DOOR AND FRAME WITH NEW HARDWARE
- A8 INSTALL NEW INTERIOR DOOR AND WINDOW FRAME WITH CARD READER
- A9 REPLACE ALL MASONRY CONTROL JOINTS, BUILDING EXPANSION JOINTS, AND SEALANTS AROUND WINDOWS, DOORS AND OTHER EXTERIOR WALL PENETRATIONS
- A10 INSTALL NEW AHU. REFER TO MECHANICAL SHEETS. REPAIR CEILING AS REQUIRED
- A11 BUILD NEW METAL STUD AND GYP. RD. FURR OUT TO CEILING LARGE ENOUGH TO ENCOMPASS NEW GREASE TRAP PLUMBING VENT. FIELD VERIFY SIZE. PAINT AND TILE FINISH TO MATCH EXISTING ADJACENT. REFER TO MECHANICAL SHEETS FOR PLUMBING VENT PIPING INFORMATION.
- A12 IN-FILL FORMER WINDOW OVER DOOR WITH BRICK TO MATCH EXISTING ADJACENT. REMOVE 3 COURSES OF EXISTING BRICK FROM ABOVE CANOPY MEMBRANE SURFACE AND INSTALL THROUGH WALL FLASHING. SEE DETAIL 22.04B AND 32.04B
- A13 PAINT ALL FOUR GLAZED CMU WALLS, CONDUITS, ELECTRICAL BOXES, DOOR FRAMES AND WINDOW FRAMES FROM FLOOR TO CEILING GYM. REMOVE, PROTECT AND REINSTALL WHITEBOARDS, TACKBOARDS, BACKBOARDS AND ANY OTHER WALL MOUNTED ITEMS.
- A14 NEW PRE-FINISHED CONDUCTOR AND DOWNSPOUT. MATCH EXISTING CONDUCTOR AND DOWNSPOUT
- A15 RE-FINISH EXISTING DOOR AND FRAME. PAINT AND INSTALL NEW HARDWARE SO DOOR OPERATES PROPERLY.

WALL POCHÉ LEGEND ON FLOOR PLANS	
	NEW METAL STUD WALL
	EXISTING WALL

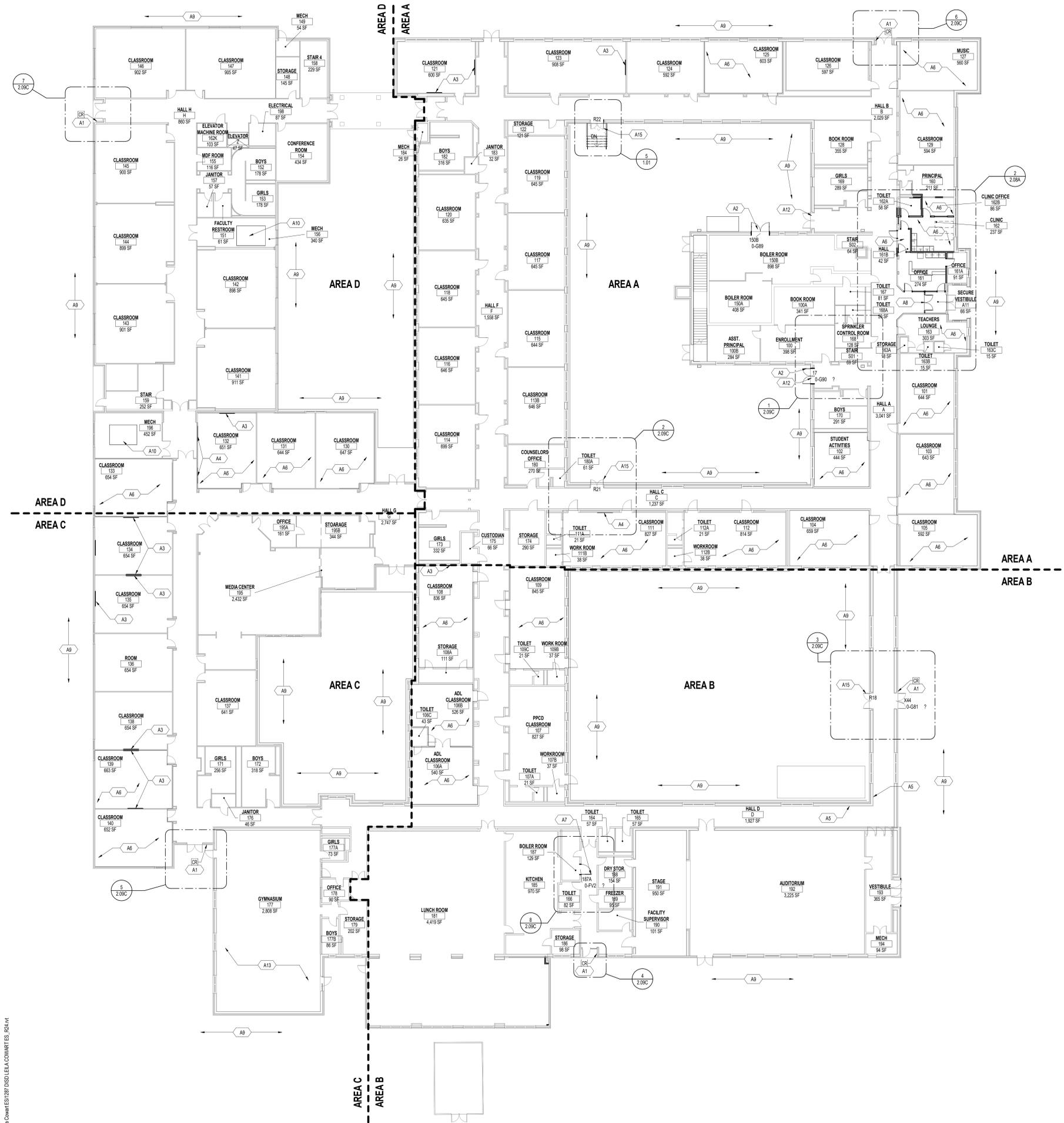
FLOOR PLAN LEGEND	
	CARD READER



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OVERALL FLOOR PLAN - LEVEL 1  
 2.01



1 OVERALL FLOOR PLAN - LEVEL 1  
 1/16" = 1'-0"  
 NORTH

Autodesk Docs: DISD Leila Cowart ES/2SF DISD EIA-COWART ES\_2024.rvt

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 ONE INCH REVISIONS:



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 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S PAVINIA DR., DALLAS, TX 75211

**DEMOLITION FLOOR PLAN GENERAL NOTES:**

- A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.
- B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.
- C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.
- D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES. THEREFORE, THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.
- E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.
- F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.
- G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.
- H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL).

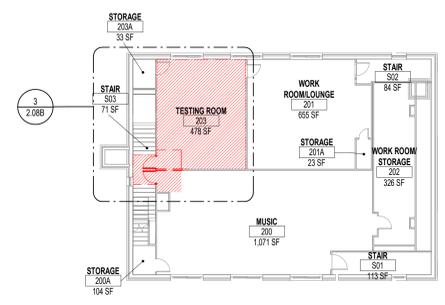
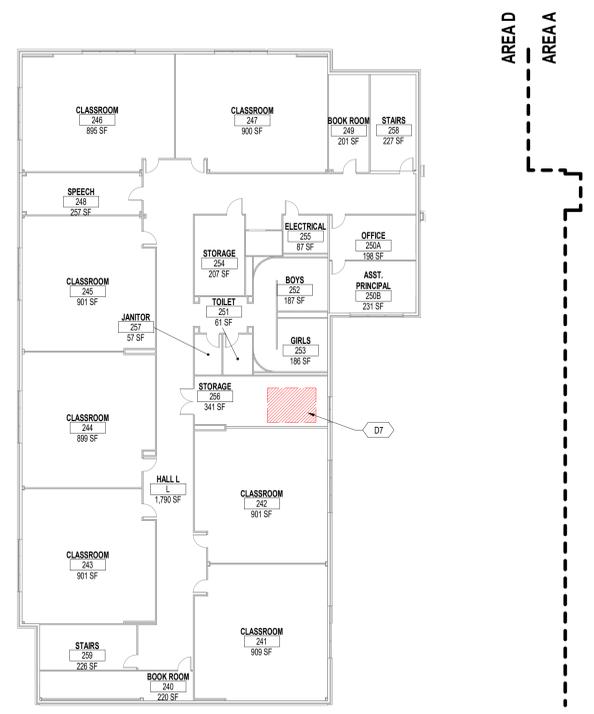
**DEMOLITION FLOOR PLAN NOTES BY NUMBER**

- D1 REMOVE EXISTING DOOR AND FRAME
- D2 REMOVE EXISTING DOOR, FRAME, AND PORTION OF WALL AS REQUIRED FOR NEW WIDER DOOR.
- D3 REMOVE EXISTING VINYL COMPOSITE TILE (VCT) FLOORING AND BASE
- D4 REMOVE EXISTING DOOR AND HARDWARE, EXISTING FRAME AND WINDOW TO REMAIN.
- D5 REMOVE EXISTING CHALKBOARD AND PREPARE WALL FOR NEW MAGNETIC WHITEBOARD.
- D6 REMOVE EXISTING TACK BOARD AND PREPARE WALL FOR NEW TACKBOARD.
- D7 REMOVE EXISTING AHU AND CONTROLS. REFER TO MECHANICAL SHEETS. REMOVE EXISTING GYPSUM CEILING AS REQUIRED TO REMOVE AHU
- D8 REMOVE EXISTING PANEL AND FRAME ABOVE THE OVER DOOR CANOPY. SEE DETAIL 22.04A AND 32.04A

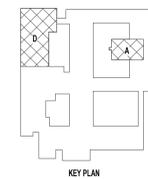
**ANY FURNITURE THAT MOVES AS A RESULT OF THE RENOVATION (THAT IS NEEDED TO COMPLETE THE RENOVATION WORK) TO BE PREFORMED BY THE GENERAL CONTRACTOR. DALLAS ISD WILL NOT PROVIDE ANY MOVER. ANY REFERENCE MADE FOR DISD TO PROVIDE MOVERS SHALL BE VOIDED AND MUST BE IGNORED.**

**DEMOLITION PLAN LEGEND**

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- FLOORING TO BE DEMOLISHED. SEE NOTE BY NUMBERS



1 DEMOLITION FLOOR PLAN - LEVEL 2  
 1/16" = 1'-0"  
 NORTH



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ONE INCH REVISIONS:

FLOOR PLAN GENERAL NOTES:

- A. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "AS" UNLESS NOTED OTHERWISE.
- B. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
- C. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
- D. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
- E. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- F. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.
- G. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.
- H. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
- I. REPAIR ALL EXTERIOR HANDRAILS AND METAL COLUMNS. X# LOCATIONS
- J. REPAIR THE INSIDE AND OUTSIDE OF ALL EXTERIOR DOORS AND SIDELIGHTS. 1# OF LOCATIONS.

FLOOR PLAN NOTES BY NUMBER

- A1. INSTALL NEW CARD ACCESS READER AND DOOR HARDWARE. THE CONTRACTOR IS ONLY TO INSTALL THE BLACKBOX, CONDUIT, AND PULL STRING. THE CARD READER SHALL BE INSTALLED BY OHSO
- A2. INSTALL NEW EXTERIOR DOOR AND METAL FRAME WITH NEW HARDWARE
- A3. INSTALL NEW MAGNETIC WHITE BOARD
- A4. INSTALL NEW TACK BOARD
- A5. REPAIR WATER DAMAGED WALL AND FINISHES. WORK MAY INCLUDE REPAIRS TO WALL STRUCTURE AS WELL AS RESETTING OF TILE AND REPLACEMENT PAINTED PLASTER FINISHES
- A6. INSTALL NEW VCT FLOORING AND RUBBER BASE
- A7. INSTALL NEW INTERIOR DOOR AND FRAME WITH NEW HARDWARE
- A8. INSTALL NEW INTERIOR DOOR AND WINDOW FRAME WITH CARD READER
- A9. REPLACE ALL MASONRY CONTROL JOINTS, BUILDING EXPANSION JOINTS, AND SEALANTS AROUND WINDOWS, DOORS AND OTHER EXTERIOR WALL PENETRATIONS
- A10. INSTALL NEW AHU. REFER TO MECHANICAL SHEETS. REPAIR CEILING AS REQUIRED
- A11. BUILD NEW METAL STUD AND GYP. BD. FURR OUT TO CEILING LARGE ENOUGH TO ENCOMPASS NEW GREASE TRAP PLUMBING VENT. FIELD VERIFY SIZE, PAINT AND TILE FINISH TO MATCH EXISTING ADJACENT. REFER TO MECHANICAL SHEETS FOR PLUMBING VENT PIPING INFORMATION.
- A12. IN-FILL FORMER WINDOW OVER DOOR WITH BRICK TO MATCH EXISTING ADJACENT. REMOVE 3 COURSES OF EXISTING BRICK FROM ABOVE CANOPY MEMBRANE SURFACE AND INSTALL THROUGH WALL FLASHING. SEE DETAIL 22.04B AND 32.04B
- A13. PAINT ALL FOUR GLAZED DMU WALLS, CONDUITS, ELECTRICAL BOXES, DOOR FRAMES AND WINDOW FRAMES FROM FLOOR TO CEILING IN CHM. REMOVE, PROTECT AND REINSTALL WHITEBOARDS, TACKBOARDS, BACKBOARDS AND ANY OTHER WALL MOUNTED ITEMS.
- A14. NEW PRE-FINISHED CONDUCTOR AND DOWNSPOUT. MATCH EXISTING CONDUCTOR AND DOWNSPOUT.

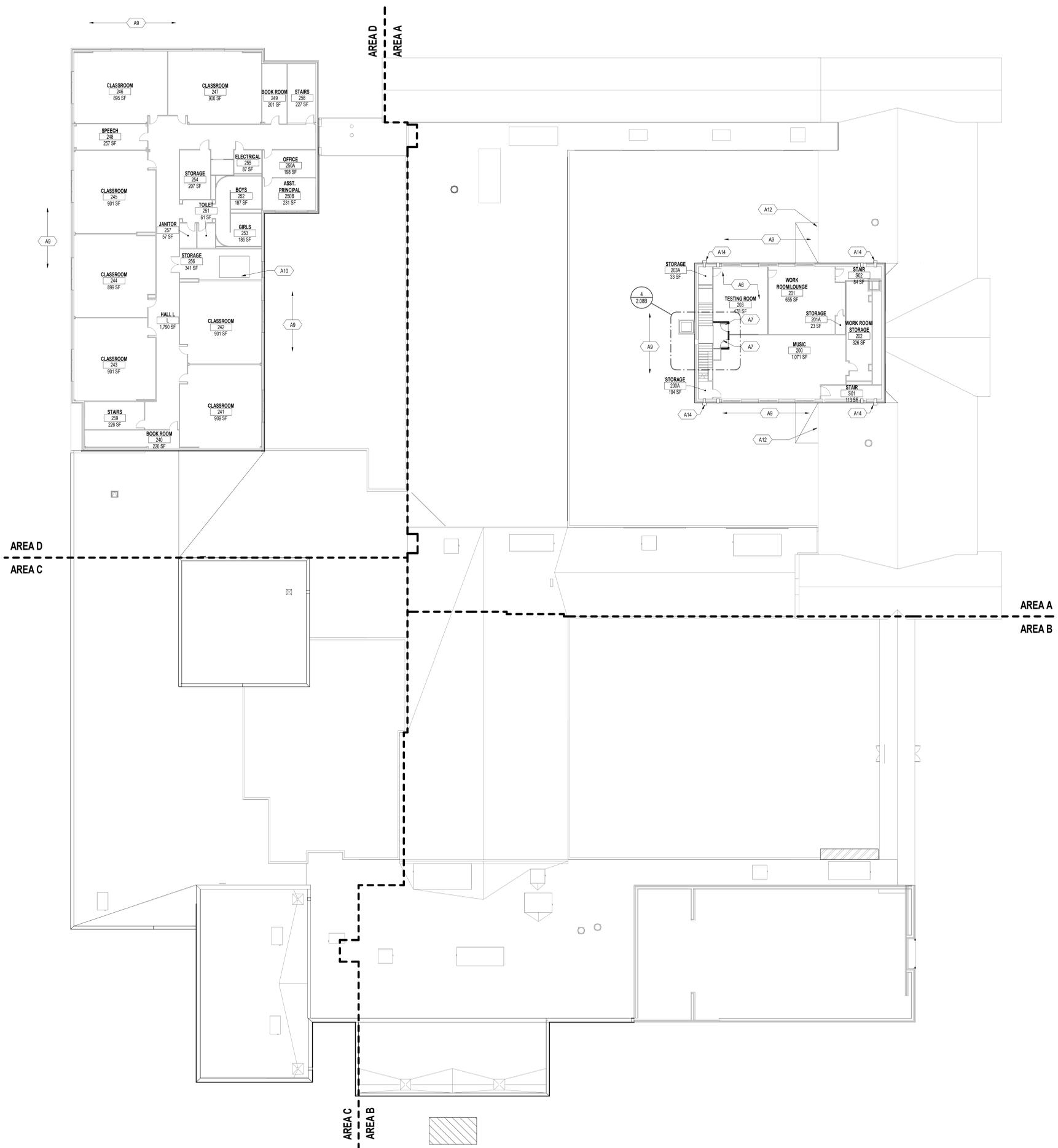
WALL POICHE LEGEND ON FLOOR PLANS	
	NEW METAL STUD WALL
	EXISTING WALL

FLOOR PLAN LEGEND	
	CARD READER

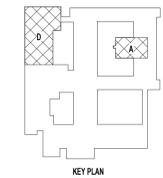


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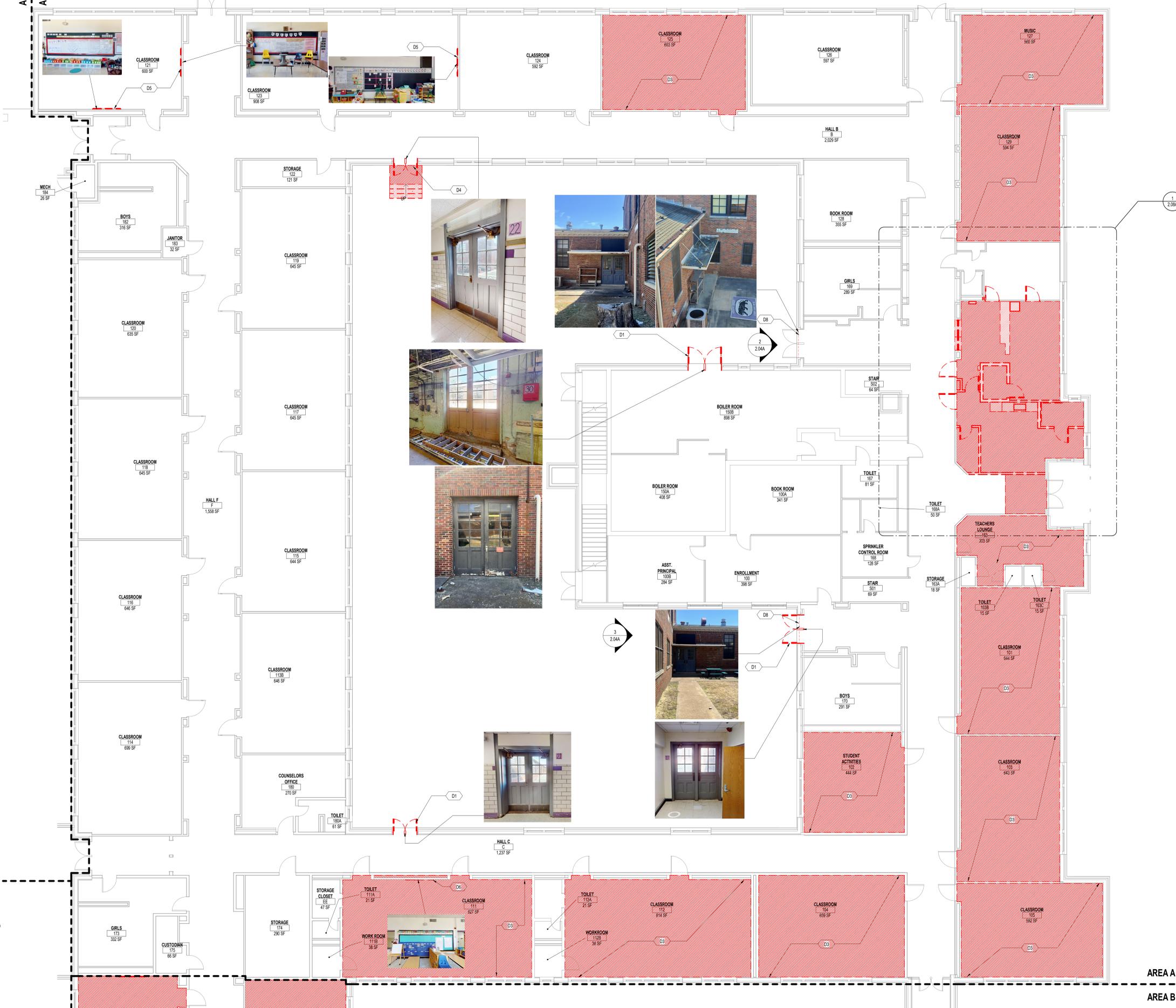


1 OVERALL FLOORPLAN - LEVEL 2  
1/16" = 1'-0"



Autodesk Docs: D:\SD\Leila Cowart\ES\257\DISD-LEILA COWART ES\_257.rvt

AREA D  
AREA A



**DEMOLITION FLOOR PLAN GENERAL NOTES:**

- A. THE INTENT OF THE DEMOLITION PLAN IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENGINEERED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING, ETC. ARE NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.
- B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.
- C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.
- D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES. THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.
- E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENGINEERED.
- F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONTRACTOR REMOVE THE PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.
- G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGE MATERIALS EVEN IF NOT INDIVIDUALLY ENGINEERED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.
- H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL).

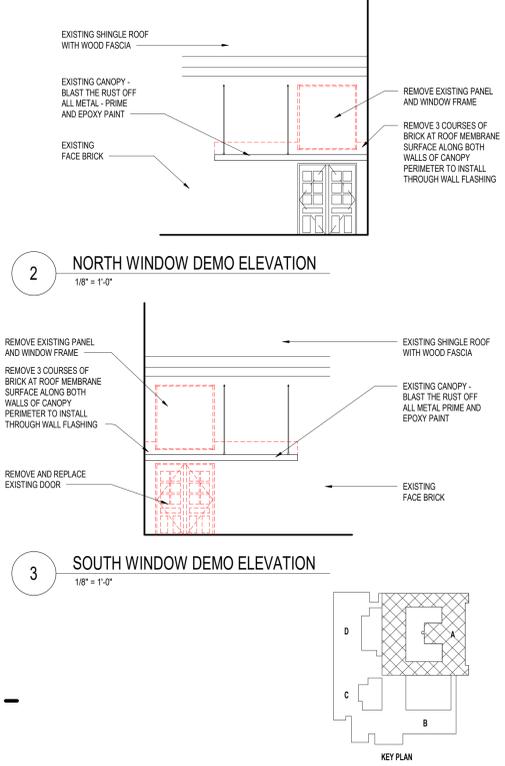
**DEMOLITION FLOOR PLAN NOTES BY NUMBER**

- D1 REMOVE EXISTING DOOR AND FRAME
- D2 REMOVE EXISTING DOOR, FRAME, AND PORTION OF WALL AS REQUIRED FOR NEW WIDER DOOR
- D3 REMOVE EXISTING VINYL COMPOSITE TILE (VCT) FLOORING AND BASE
- D4 REMOVE EXISTING DOOR HARDWARE. REFURBISH EXISTING DOOR AND FRAME
- D5 REMOVE EXISTING CHALKBOARD AND PREPARE WALL FOR NEW MAGNETIC WHITEBOARD
- D6 REMOVE EXISTING TACK BOARD AND PREPARE WALL FOR NEW TACKBOARD
- D7 REMOVE EXISTING AHU AND CONTROLS. REFER TO MECHANICAL SHEETS. REMOVE EXISTING GYPSUM CEILING AS REQUIRED TO REMOVE AHU
- D8 REMOVE EXISTING PANEL AND FRAME ABOVE THE OVER DOOR CANOPY. SEE DETAIL 22.04A AND 32.04A

**ANY FURNITURE THAT MOVES AS A RESULT OF THE RENOVATION THAT IS NEEDED TO COMPLETE THE RENOVATION WORK TO BE PROVIDED BY THE GENERAL CONTRACTOR. DALLAS ISD WILL NOT PROVIDE ANY MOVER. ANY REFERENCE MADE FOR DISD TO PROVIDE MOVERS SHALL BE VOIDED AND MUST BE IGNORED.**

**DEMOLITION PLAN LEGEND**

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- FLOORING TO BE DEMOLISHED - SEE NOTE BY NUMBERS



**1 DEMOLITION FLOOR PLAN - AREA A**  
1/8" = 1'-0"



AREA A  
AREA B

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DEMOLITION PLAN - AREA A  
**2.04A**

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**FLOOR PLAN GENERAL NOTES:**

- A. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE 'A3' UNLESS NOTED OTHERWISE.
- B. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
- C. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
- D. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
- E. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- F. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.
- G. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.
- H. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENTS SPECIFIC INFORMATION.
- I. REPAINT ALL EXTERIOR HANDRAILS AND METAL COLUMNS, X# LOCATIONS.
- J. REPAINT THE INSIDE AND OUTSIDE OF ALL EXTERIOR DOORS AND SIDELIGHTS, 1# OF LOCATIONS.

**FLOOR PLAN NOTES BY NUMBER**

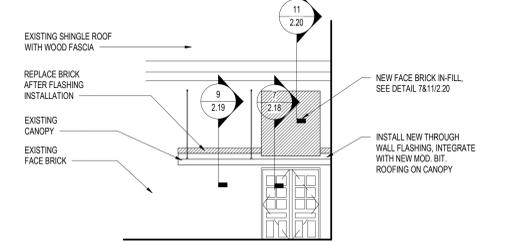
- A1. INSTALL NEW CARD ACCESS READER AND DOOR HARDWARE. THE CONTRACTOR IS ONLY TO INSTALL THE BLACKBOX, CONDUIT, AND PULL STRING. THE CARD READER SHALL BE INSTALLED BY GRID.
- A2. INSTALL NEW EXTERIOR DOOR AND METAL FRAME WITH NEW HARDWARE.
- A3. INSTALL NEW MAGNETIC WHITE BOARD.
- A4. INSTALL NEW TACK BOARD.
- A5. REPAIR WATER DAMAGED WALL AND FINISHES. WORK MAY INCLUDE REPAIRS TO WALL STRUCTURE AS WELL AS RESETTING OF TILE AND REPLACEMENT PAINTED PLASTER FINISHES.
- A6. INSTALL NEW VCT FLOORING AND RUBBER BASE.
- A7. INSTALL NEW INTERIOR DOOR AND FRAME WITH NEW HARDWARE.
- A8. INSTALL NEW INTERIOR DOOR AND WINDOW FRAME WITH CARD READER.
- A9. REPLACE ALL MASONRY CONTROL JOINTS, BUILDING EXPANSION JOINTS, AND SEALANTS AROUND WINDOWS, DOORS AND OTHER EXTERIOR WALL PENETRATIONS.
- A10. INSTALL NEW AHU. REFER TO MECHANICAL SHEETS. REPAIR CEILING AS REQUIRED.
- A11. BUILD NEW METAL STUD AND GYP. BO. FURR OUT TO CEILING LARGE ENOUGH TO ENCOMPASS NEW GYPSUM TRAP PLUMBING VENT. FIELD VERIFY SIZE. PAINT AND TILE FINISH TO MATCH EXISTING ADJACENT. REFER TO MECHANICAL SHEETS FOR PLUMBING VENT PIPING INFORMATION.
- A12. INFILL FORMER WINDOW OVER DOOR WITH BRICK TO MATCH EXISTING ADJACENT. REMOVE 3 COURSES OF EXISTING BRICK FROM ABOVE CANOPY MEMBRANE SURFACE AND INSTALL THROUGH WALL FLASHING. SEE DETAIL 22.04B AND 32.04B.
- A13. PAINT ALL FOUR GLAZED DRU WALLS, CONDUITS, ELECTRICAL BOXES, DOOR FRAMES AND WINDOW FRAMES FROM FLOOR TO CEILING IN GYM. REMOVE, PROTECT AND REINSTALL WHITEBOARDS, TACKBOARDS, BACKBOARDS AND ANY OTHER WALL MOUNTED ITEMS.
- A14. NEW PRE-FINISHED CONDUCTOR AND DOWNSPOUT. MATCH EXISTING CONDUCTOR AND DOWNSPOUT.
- A15. REFURBISH EXISTING DOOR AND FRAME. PAINT AND INSTALL NEW HARDWARE SO DOOR OPERATES PROPERLY.

**WALL POICHE LEGEND ON FLOOR PLANS**

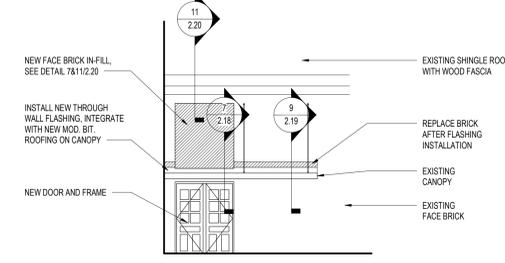
	NEW METAL STUD WALL
	EXISTING WALL

**FLOOR PLAN LEGEND**

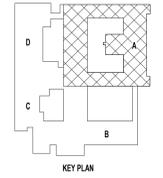
	CARD READER
--	-------------



**2 NORTH WINDOW IN-FILL ELEVATION**  
 1/8" = 1'-0"



**3 SOUTH WINDOW IN-FILL ELEVATION**  
 1/8" = 1'-0"



BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH REVISIONS:



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DEMOLITION PLAN - AREA B

2.05A

12/16/2024 2:41:58 PM

AREA A

AREA B

DEMOLITION FLOOR PLAN GENERAL NOTES:

- A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING, "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.
- B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.
- C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.
- D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES. THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.
- E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.
- F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION MODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.
- G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.
- H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL).

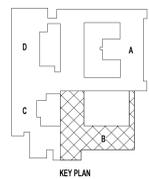
DEMOLITION FLOOR PLAN NOTES BY NUMBER

- D1 REMOVE EXISTING DOOR AND FRAME
- D2 REMOVE EXISTING DOOR, FRAME, AND PORTION OF WALL AS REQUIRED FOR NEW WIDER DOOR
- D3 REMOVE EXISTING VINYL COMPOSITE TILE (VCT) FLOORING AND BASE
- D4 REMOVE EXISTING DOOR HARDWARE, REFURBISH EXISTING DOOR AND FRAME
- D5 REMOVE EXISTING CHALKBOARD AND PREPARE WALL FOR NEW MAGNETIC WHITEBOARD
- D6 REMOVE EXISTING TACK BOARD AND PREPARE WALL FOR NEW TACKBOARD
- D7 REMOVE EXISTING AHU AND CONTROLS. REFER TO MECHANICAL SHEETS. REMOVE EXISTING GYPSUM CEILING AS REQUIRED TO REMOVE AHU
- D8 REMOVE EXISTING PANEL AND FRAME ABOVE THE OVER DOOR CANOPY. SEE DETAIL 212.04A AND 32.04A

ANY FURNITURE THAT MOVES AS A RESULT OF THE RENOVATION (THAT IS NEEDED TO COMPLETE THE RENOVATION WORK) TO BE PREFORMED BY THE GENERAL CONTRACTOR. DALLAS ISD WILL NOT PROVIDE ANY MOVER. ANY REFERENCE MADE FOR DISD TO PROVIDE MOVERS SHALL BE VOIDED AND MUST BE IGNORED.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- FLOORING TO BE DEMOLISHED - SEE NOTE BY NUMBERS



THIS DRAWING HAS INFORMATION THAT IS DISTINGUISHED BY COLOR, AND IS INTENDED TO BE VIEWED AS A FULL DOCUMENT ONLY. ANY GRAYSCALE OR BLACK AND WHITE COPY SHALL NOT BE USED.

Autodesk Docs: DISD Leila Cowart ES/25P DISD LEILA COWART ES\_254.rvt

AREA C  
AREA B

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





1100 W. RANDOLPH MILL ROAD  
 SUITE 300  
 ARLINGTON, TEXAS 76012  
 WWW.LBLARCHITECTS.COM  
 LBL ARCHITECTS  
 Listen. Build. Lead.  
 TSC: FRANK@LBL.COM

DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S PAVINIA DR., DALLAS, TX 75211

AREA A  
 AREA B

FLOOR PLAN GENERAL NOTES:

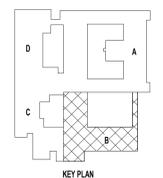
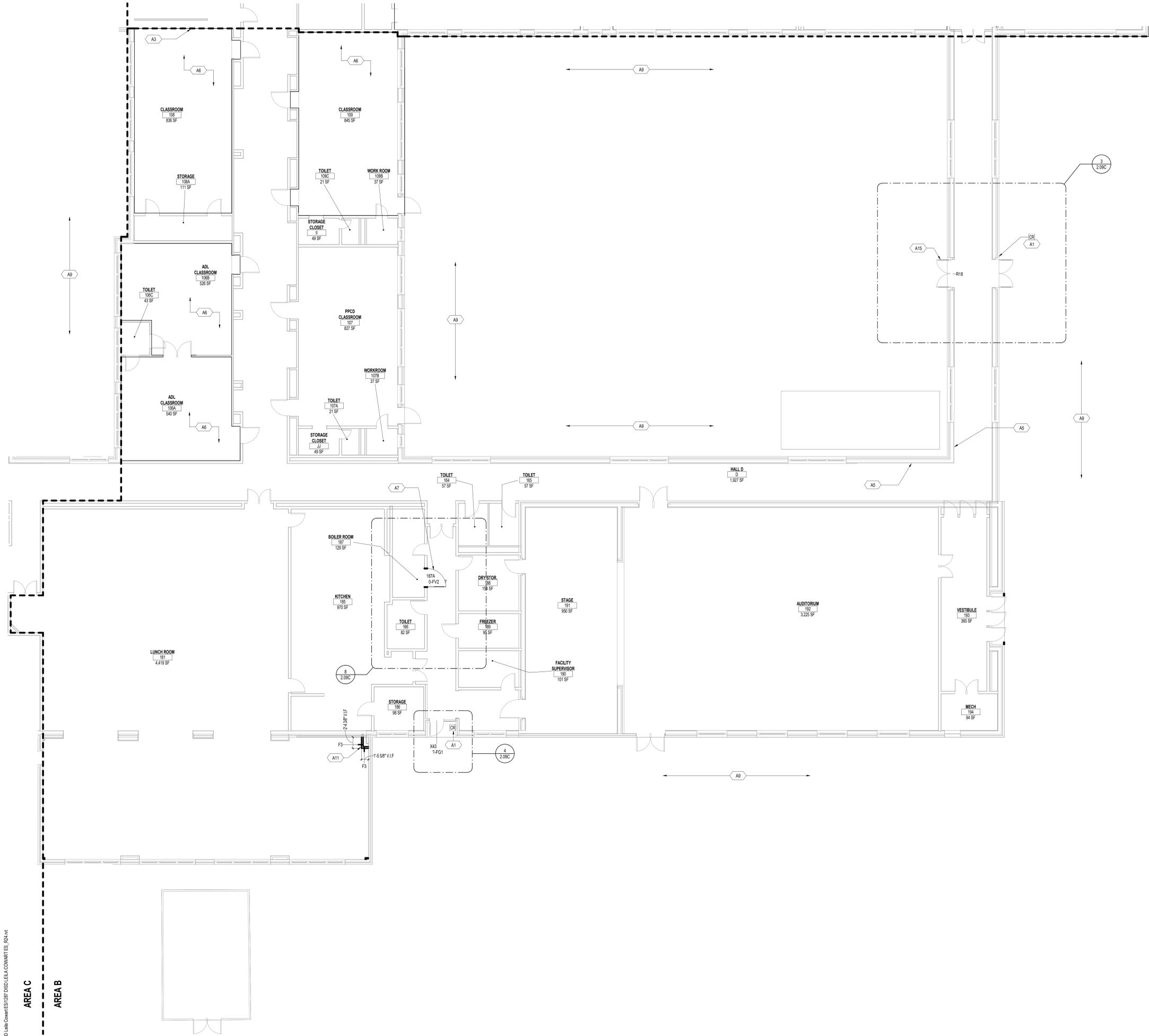
- A. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A3" UNLESS NOTES OTHERWISE.
- B. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
- C. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
- D. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
- E. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- F. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.
- G. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.
- H. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
- I. REPAINT ALL EXTERIOR HANDRAILS AND METAL COLUMNS, XI LOCATIONS.
- J. REPAINT THE INSIDE AND OUTSIDE OF ALL EXTERIOR DOORS AND SIDELIGHTS, 1/14 OF LOCATIONS.

FLOOR PLAN NOTES BY NUMBER

- A1 INSTALL NEW CARD ACCESS READER AND DOOR HARDWARE. THE CONTRACTOR IS ONLY TO INSTALL THE BLACKBOX, CONDUIT, AND PULL STRING. THE CARD READER SHALL BE INSTALLED BY DISD.
- A2 INSTALL NEW EXTERIOR DOOR AND METAL FRAME WITH NEW HARDWARE.
- A3 INSTALL NEW MAGNETIC WHITE BOARD.
- A4 INSTALL NEW TACK BOARD.
- A5 REPAIR WATER DAMAGED WALL AND FINISHES. WORK MAY INCLUDE REPAIRS TO WALL STRUCTURE AS WELL AS RESETTING OF TILE AND REPLACEMENT PAINTED PLASTER FINISHES.
- A6 INSTALL NEW VCT FLOORING AND RUBBER BASE.
- A7 INSTALL NEW INTERIOR DOOR AND FRAME WITH NEW HARDWARE.
- A8 INSTALL NEW INTERIOR DOOR AND WINDOW FRAME WITH CARD READER.
- A9 REPLACE ALL MASONRY CONTROL JOINTS, BUILDING EXPANSION JOINTS, AND SEALANTS AROUND WINDOWS, DOORS AND OTHER EXTERIOR WALL PENETRATIONS.
- A10 INSTALL NEW APL. REFER TO MECHANICAL SHEETS. REPAIR CEILING AS REQUIRED.
- A11 BUILD NEW METAL STUD AND GYP. BD. FURR OUT TO CEILING LARGE ENOUGH TO ENCOMPASS NEW GREASE TRAP PLUMBING VENT. FIELD VERIFY SIZE. PAINT AND TILE FINISH TO MATCH EXISTING ADJACENT. REFER TO MECHANICAL SHEETS FOR PLUMBING VENT PIPING INFORMATION.
- A12 IN-FILL FORMER WINDOW OVER DOOR WITH BRICK TO MATCH EXISTING ADJACENT. REMOVE 3 COURSES OF EXISTING BRICK FROM ABOVE CANOPY MEMBRANE SURFACE AND INSTALL THROUGH WALL FLASHING. SEE DETAIL 21.048 AND 32.048.
- A13 PAINT ALL FOUR GLAZED CMU WALLS, CONDUITS, ELECTRICAL BOXES, DOOR FRAMES AND WINDOW FRAMES FROM FLOOR TO CEILING IN GYM. REMOVE, PROTECT AND REINSTALL WHITEBOARDS, TACKBOARDS, BACKBOARDS AND ANY OTHER WALL MOUNTED ITEMS.
- A14 NEW PRE-FINISHED CONDUCTOR AND DOWNSPOUT. MATCH EXISTING CONDUCTOR AND DOWNSPOUT.
- A15 REFURBISH EXISTING DOOR AND FRAME. PAINT AND INSTALL NEW HARDWARE SO DOOR OPERATES PROPERLY.

WALL POCHÉ LEGEND ON FLOOR PLANS	
	NEW METAL STUD WALL
	EXISTING WALL

FLOOR PLAN LEGEND	
	CARD READER



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



BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH REVISIONS:

REVISIONS:



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FAX: (817) 285-1832  
WWW.LBLARCHITECTS.COM  
Listed: Build. Lead. TSC# PR# 011 035

DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 S PAVINIA DR., DALLAS, TX 75211

DEMOLITION PLAN - AREA C

2.06A

10/23/2024 10:18:58 AM

DEMOLITION FLOOR PLAN GENERAL NOTES:

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- B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.
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- D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.
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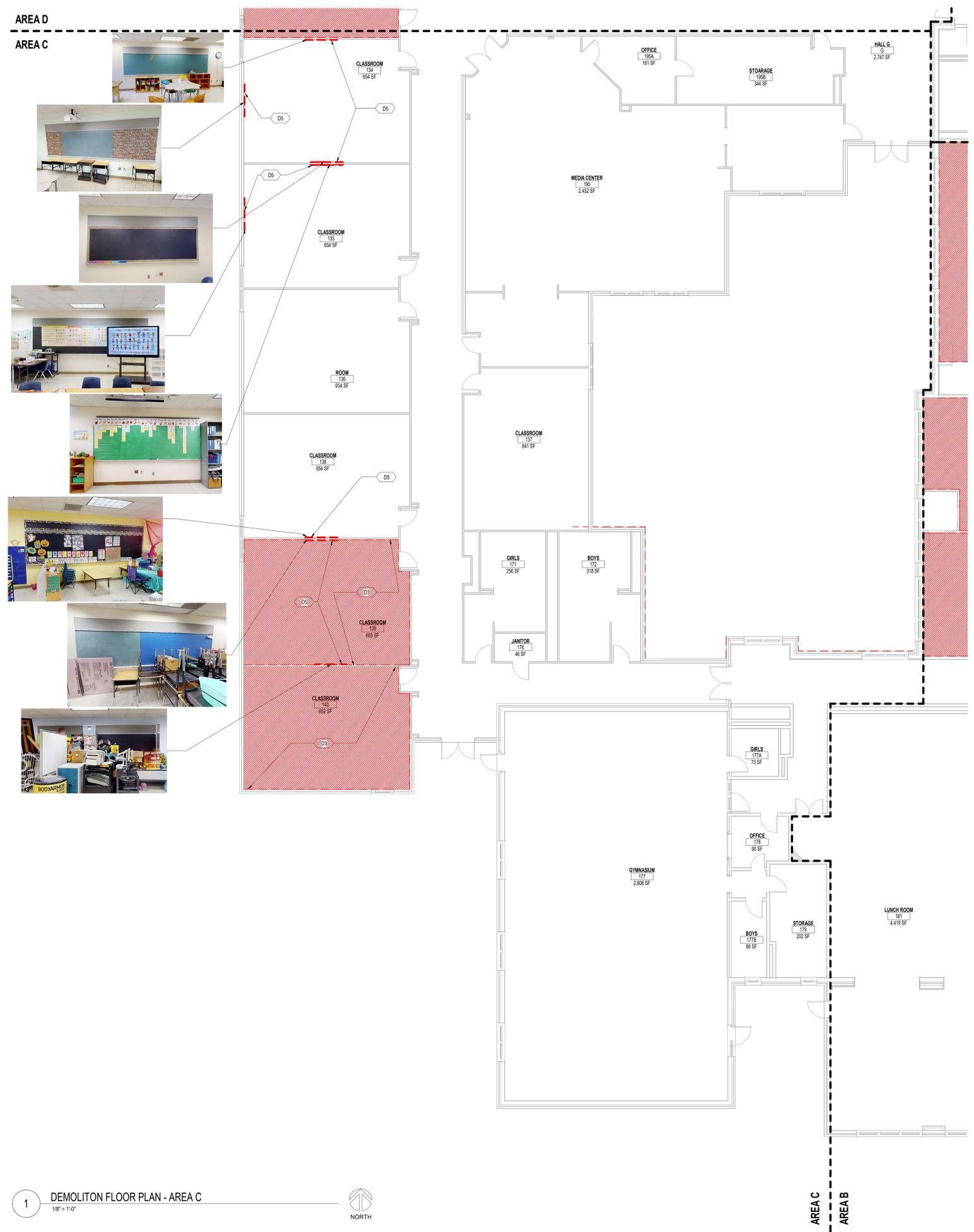
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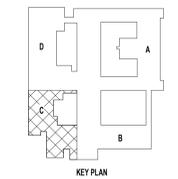
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1/8" = 1'-0"



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1515 S PAVINIA DR., DALLAS, TX 75211

FLOOR PLAN - AREA C  
2.06B

FLOOR PLAN GENERAL NOTES:

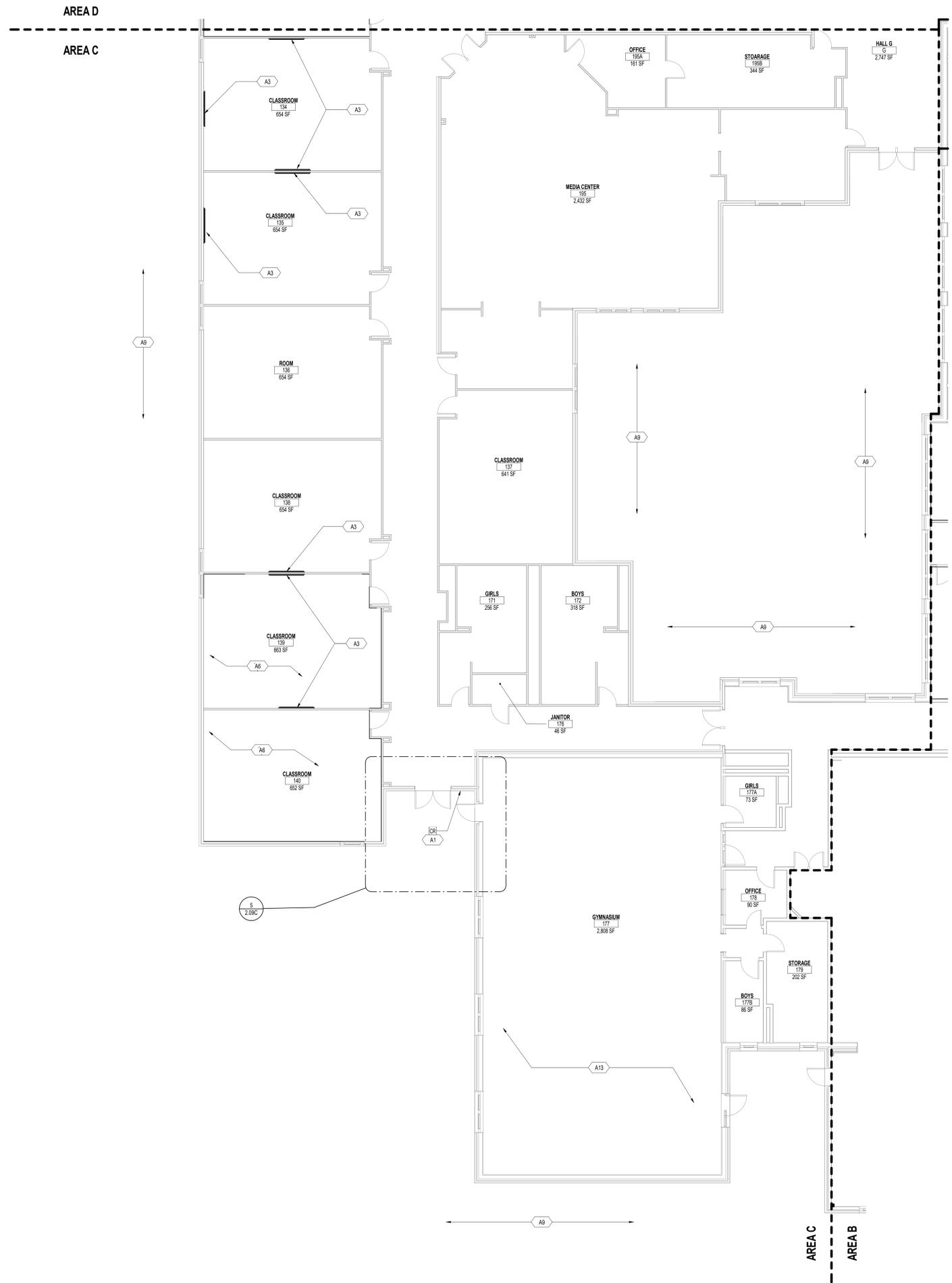
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- J. REPAINT THE INSIDE AND OUTSIDE OF ALL EXTERIOR DOORS AND SIDELIGHTS, 11# OF LOCATIONS.

FLOOR PLAN NOTES BY NUMBER

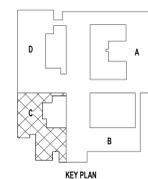
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- A13 PAINT ALL FOUR GLAZED CMU WALLS, CONDUITS, ELECTRICAL BOXES, DOOR FRAMES AND WINDOW FRAMES FROM FLOOR TO CEILING IN GYM. REMOVE, PROTECT AND REINSTALL WHITEBOARDS, TACKBOARDS, BACKBOARDS AND ANY OTHER WALL MOUNTED ITEMS.
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WALL POICHE LEGEND ON FLOOR PLANS	
	NEW METAL STUD WALL
	EXISTING WALL

FLOOR PLAN LEGEND	
	CARD READER



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





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DALLAS INDEPENDENT SCHOOL DISTRICT  
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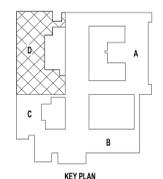
**DEMOLITION FLOOR PLAN NOTES BY NUMBER** DM

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- D8 REMOVE EXISTING PANEL AND FRAME ABOVE THE OVER DOOR CANOPY. SEE DETAIL 22.04A AND 32.04A

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**DEMOLITION PLAN LEGEND**

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
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- FLOORING TO BE DEMOLISHED - SEE NOTE BY NUMBERS



1 DEMOLITION FLOOR PLAN - AREA D  
 1/8" = 1'-0"  
 NORTH

Autodesk Docs: D:\SD\Leila Cowart\ESD\2024\DISD\LEILA COWART ES\_R24.rvt

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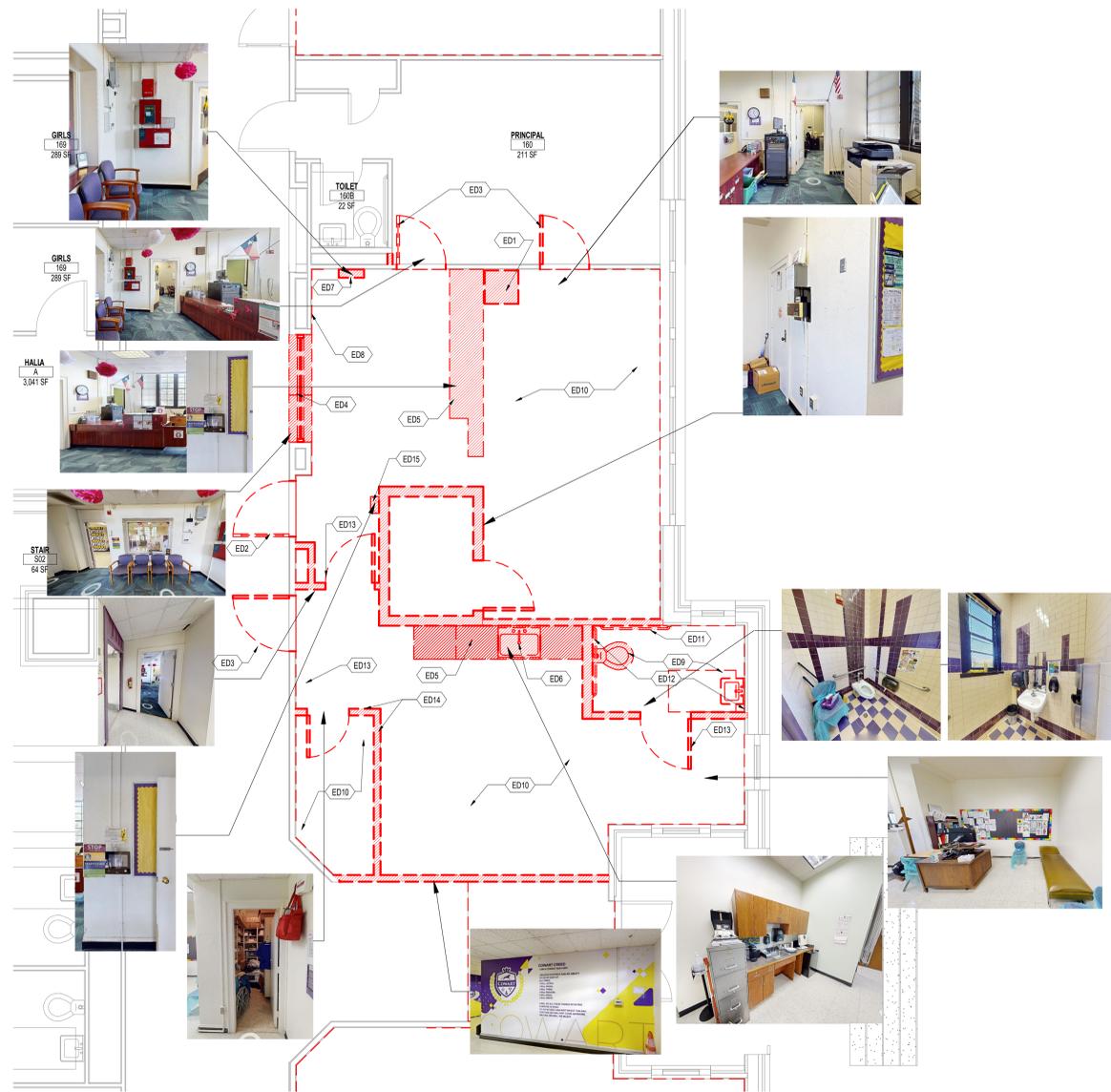
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TSC: P184187.020



DALLAS INDEPENDENT SCHOOL DISTRICT  
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1515 S PAVINIA DR., DALLAS, TX 75211

ENLARGED PLANS

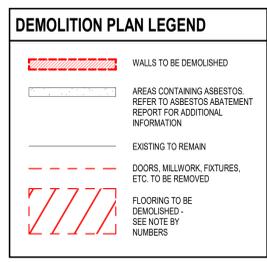
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1 FIRST FLOOR ENLARGED DEMOLITION PLAN  
1/4" = 1'-0"  
NORTH

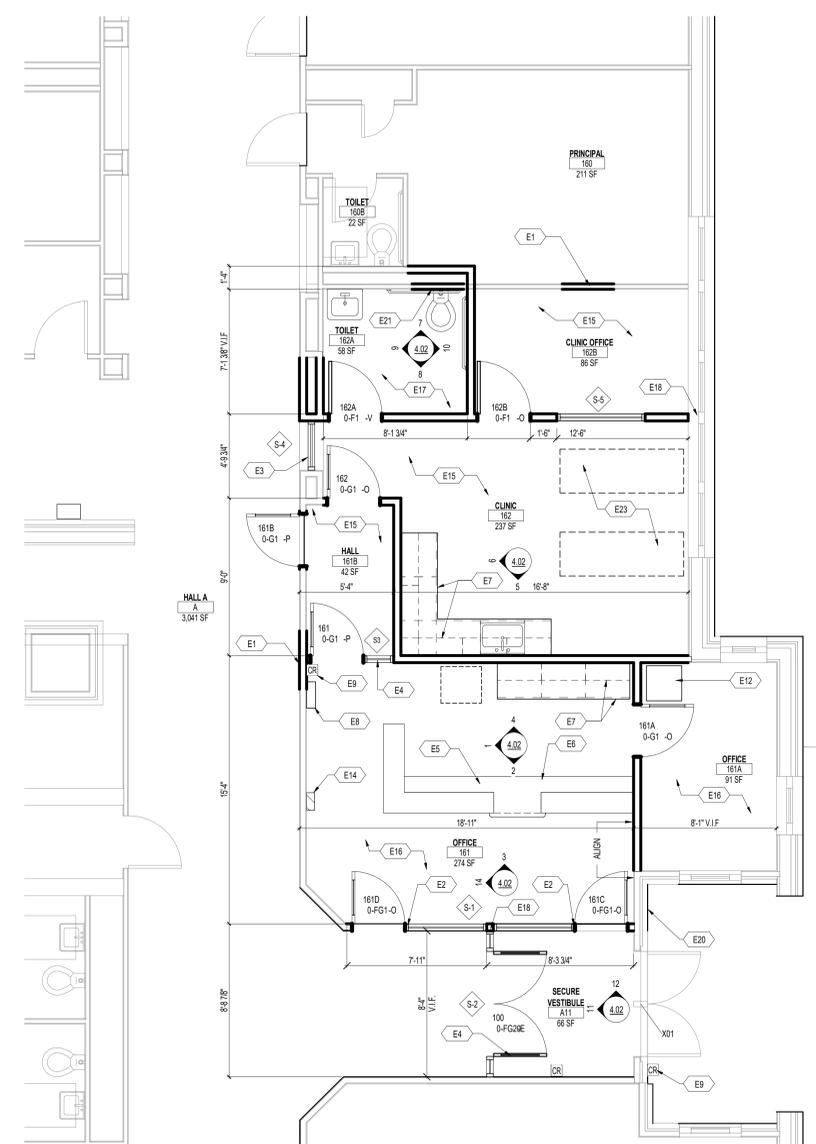
DEMOLITION GENERAL NOTES

- A. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR.
B. FLOORING, WALL FINISHES, AND CEILINGS SURROUNDING RENOVATION AREAS SHALL BE PROTECTED FROM DAMAGE...
C. REFER TO FLOOR PLAN SHEETS FOR NEW LOCATIONS OF ITEMS IDENTIFIED TO BE RELOCATED.
D. SECTIONS OF CEILING TILES AND GRID MAY HAVE TO BE REMOVED TEMPORARILY FOR ABOVE CEILING WORK.
E. CONTRACTOR SHALL RELOCATE, MOVE AND STORE WITHIN THE BUILDING ANY FURNITURE OR EQUIPMENT IN AREAS BEING RENOVATED.
F. THROUGHOUT THE ENTIRE PROJECT, THE GENERAL CONTRACTOR WILL PROTECT AND MAINTAIN ANY WALL, FLOOR, OR CEILING THAT CONTAINS PAINTED SCHOOL MURALS OTHER THAN THOSE REMOVED AS PART OF THIS PROJECT...
G. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING...
H. IT IS THE INTENT, IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION PERIMETER BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM CONSTRUCTION AREA TO OTHER AREAS...
I. OWNER RETAINS FIRST RIGHTS TO SALVAGED EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR TO DELIVER REQUESTED SALVAGED MATERIAL TO THE OWNER.



ENLARGED DEMOLITION FLOOR PLAN NOTES BY NUMBER

- ED1 RELOCATE EXISTING PA SYSTEM CART
ED2 REMOVE EXISTING DOOR
ED3 REMOVE EXISTING DOOR AND FRAME, PREPARE REMAINING EXISTING WALL FOR IN-FILL
ED4 REMOVE EXISTING WINDOW
ED5 REMOVE EXISTING MILLWORK
ED6 REMOVE EXISTING SINK
ED7 REMOVE EXISTING FIRE ALARM PANEL
ED8 RELOCATE EXISTING SECURITY SYSTEM
ED9 REMOVE EXISTING PLUMBING FIXTURES AND CAP LINES AND DRAIN, REFER TO PLUMBING
ED10 REMOVE EXISTING FLOORING AND BASE, PREPARE FLOOR FOR NEW FLOORING AND BASE
ED11 REMOVE ALL EXISTING TOILET ACCESSORIES
ED12 REMOVE EXISTING HALL AND FLOOR TILE
ED13 REMOVE EXISTING DOOR AND FRAME
ED14 REMOVE EXISTING WALL TO EXTENTS SHOWN
ED15 RELOCATE EXISTING BIOMETRIC CLOCK SIGN IN DEVICE
ED16 REMOVE EXISTING CARPET AND BASE, PREPARE FOR NEW VCT AND RUBBER BASE



2 FIRST FLOOR ENLARGED PLAN  
1/4" = 1'-0"  
NORTH

GENERAL FLOOR PLAN NOTES

- A. WHERE DIMENSIONS ARE LABELED "VERIFY" THE CONTRACTOR SHALL NOTIFY ARCHITECT IF DIMENSION VARIES FROM DIMENSION SHOWN BEFORE INSTALLING ANY WALLS AND/OR WINDOW/DOOR FRAMES.
B. PATCH AND REPAIR ANY EXISTING WALLS AND CEILING FINISHES TO LIKE NEW CONDITION ONLY IN ROOMS INCLUDED IN THE SCOPE OF WORK...
C. AT NEW DOORS, PROVIDE AN 1" MINIMUM DOOR MANEUVERING CLEARANCE TO BE PROVIDED FROM THE PULL STRIKE JAMB SIDE OF DOOR TO THE CLOSEST FACE OF WALL FINISH IN THE WALL ASSEMBLY.
D. GENERAL CONTRACTOR TO VERIFY ALL EXISTING FINISHES AND EXISTING CONDITIONS PRIOR TO BID. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO BID.
E. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A3" UNLESS NOTES OTHERWISE.



ENLARGED FLOOR PLAN NOTES BY NUMBER

- E1 IN-FILL WITH METAL STUDS AND 5/8" GYP. BD. EACH SIDE, TAPE, BED AND TEXTURE TO MATCH EXISTING ADJACENT
E2 INSTALL NEW INTERIOR DOOR AND WINDOW FRAME, INSTALL BULLET RESISTANT FILM ON ROOM SIDE OF ALL GLASS, DOOR RELEASE BUZZER TIED IN AT RECEPTION DESK...
E3 IN-FILL REMAINING OPENING WITH NEW WINDOW FRAME AND GLAZING
E4 INSTALL NEW INTERIOR DOOR AND WINDOW FRAME WITH CARD READER, INSTALL BULLET RESISTANT FILM ON HALL SIDE OF ALL GLASS
E5 NEW RECEPTION DESK AND TRANSACTION COUNTER
E6 RELOCATED FRONT DOOR BELL SYSTEM AND CONTROL, COORDINATE LOCATION WITH OWNER
E7 NEW BASE CABINETS, COUNTERTOP AND UPPER CABINETS
E8 NEW FIRE ALARM PANEL
E9 INSTALL NEW CARD READER
E10 INSTALL NEW EXTERIOR DOOR AND FRAME WITH NEW HARDWARE
E11 INSTALL NEW INTERIOR DOOR AND FRAME WITH NEW HARDWARE
E12 NEW LOCATION FOR PA SYSTEM CART
E13 INSTALL NEW ROOF ACCESS LADDER
E14 RELOCATED VOLTAGE BREAKER DEVICE
E15 INSTALL NEW VCT FLOORING AND RUBBER BASE
E16 INSTALL NEW CARPET FLOORING AND RUBBER BASE
E17 INSTALL NEW WALL AND FLOOR PORCELAIN TILE
E18 ALIGN CENTER OF WALL WITH CENTER OF MULLION
E19 EXISTING DOOR NEW DOOR HARDWARE
E20 EXISTING DOOR BELL
E21 IN-FILL WITH METAL STUDS AND 5/8" GYP. BD. ON TOILET SIDE, TAPE, BED, FOR A SMOOTH FINISH FOR WALL TILE
E22 INSTALL NEW DOOR AND DOOR HARDWARE, PATCH AND REPAIR FRAME WHERE PREVIOUS HARDWARE WAS REMOVED, PAINT FRAME AND DOOR
E23 APPROXIMATE LOCATION OF COTS

THIS DRAWING HAS INFORMATION THAT IS DISTINGUISHED BY COLOR, AND IS INTENDED TO BE VIEWED AS A FULL DOCUMENT ONLY. ANY GRAYSCALE OR BLACK AND WHITE COPY SHALL NOT BE USED.

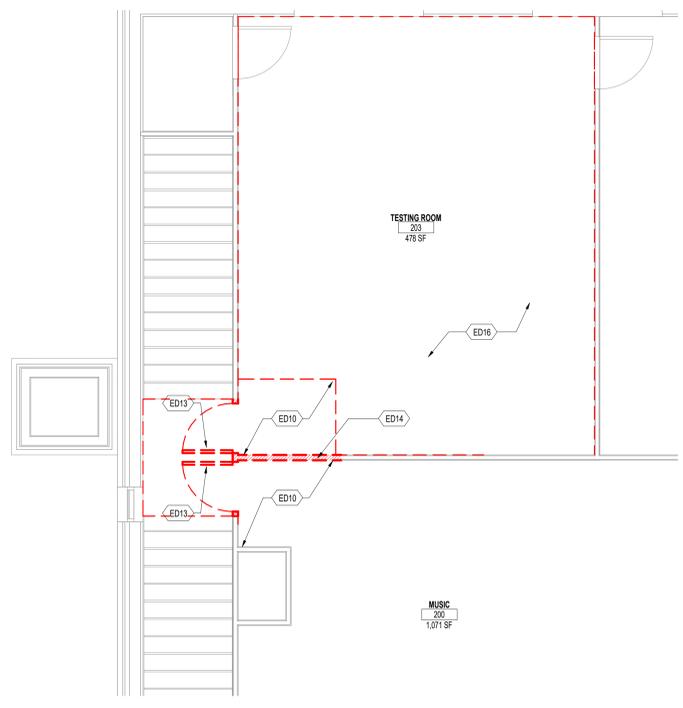
BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:



1505 W. RANDOLPH MILL ROAD  
 SUITE 300  
 ARLINGTON, TEXAS 76012  
 WWW.LBLARCHITECTS.COM  
 TEL: (817) 285-1832  
 FAX: (817) 285-1832  
 TSC: PRJ# 24-1287  
 LBL ARCHITECTS  
 Listen. Build. Lead.

DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S PAVINIA DR., DALLAS, TX 75211

ENLARGED PLANS  
 2.08B



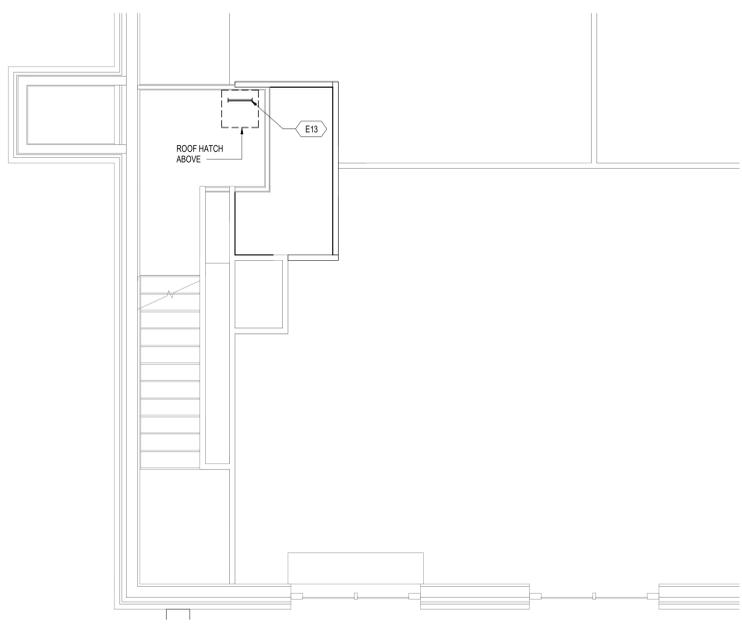
3 SECOND FLOOR ENLARGED DEMOLITION PLAN  
 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

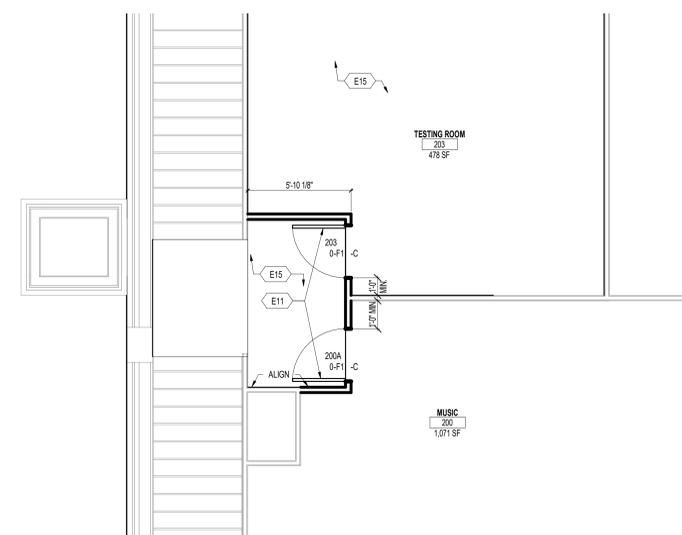
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- G. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH'S ADHESIVE, THEREFORE MECHANICAL MEANS MIGHT BE REQUIRED TO CLEAN FLOORS THOROUGHLY.
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8 ENLARGED FLOOR PLAN - ROOF ACCESS STAIRS  
 1/4" = 1'-0"



4 SECOND FLOOR ENLARGED FLOOR PLAN  
 1/4" = 1'-0"

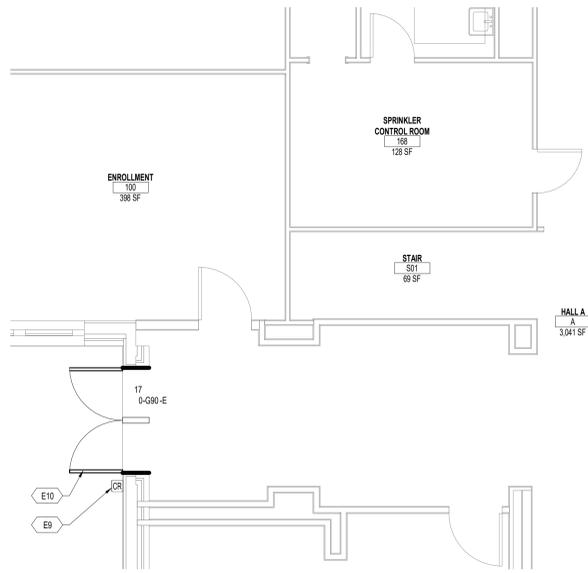
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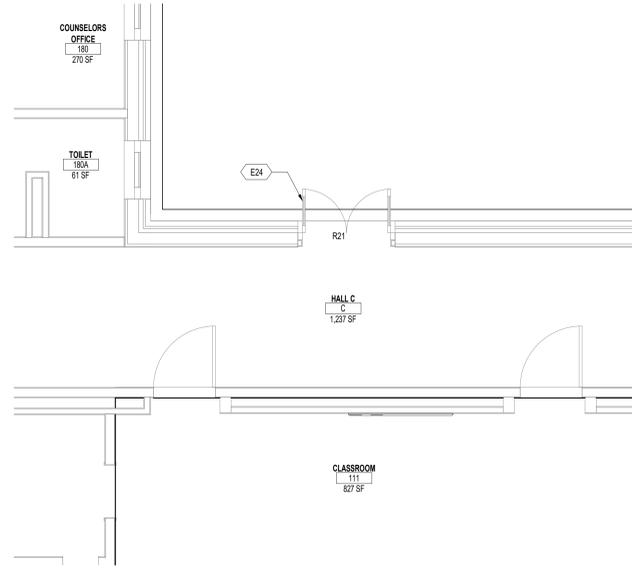
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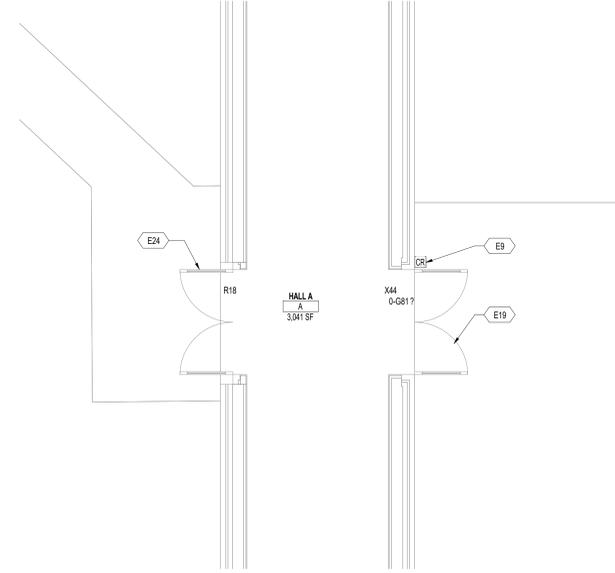
FLOOR PLAN LEGEND	
CR	CARD READER



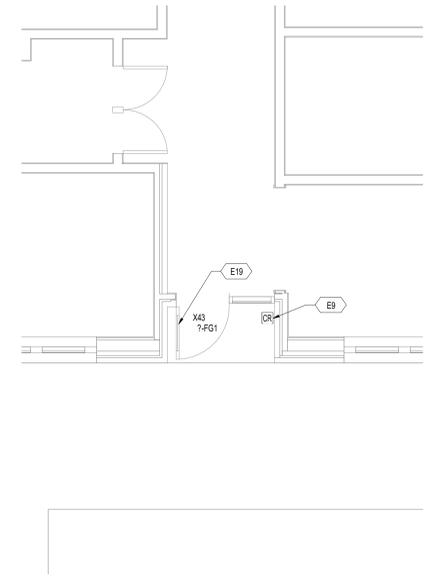
1 DOOR 17\_ENLARGED FIRST FLOOR PLAN  
 1/4" = 1'-0"



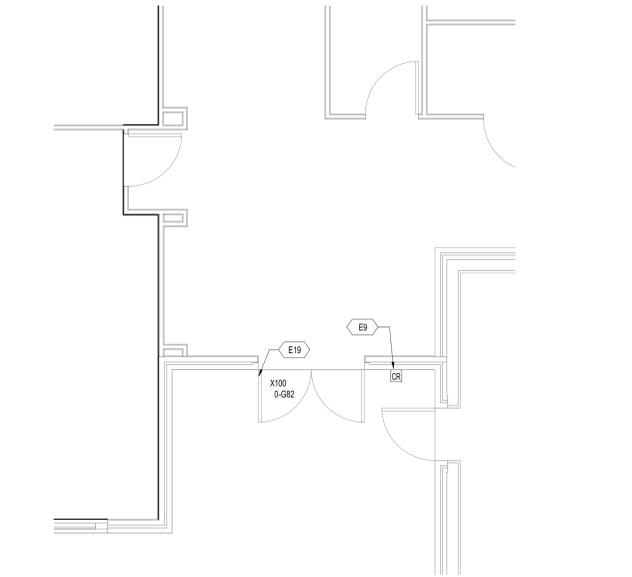
2 DOOR R21\_ENLARGED FIRST FLOOR PLAN  
 1/4" = 1'-0"



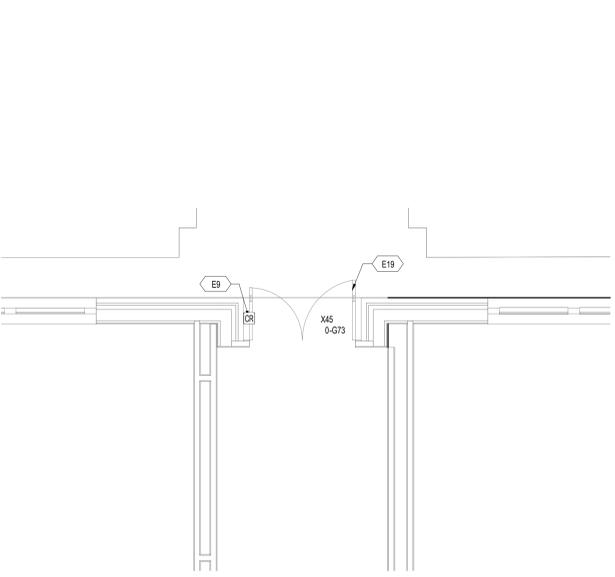
3 DOOR R18 & DOOR X44\_ENLARGED FIRST FLOOR PLAN  
 1/4" = 1'-0"



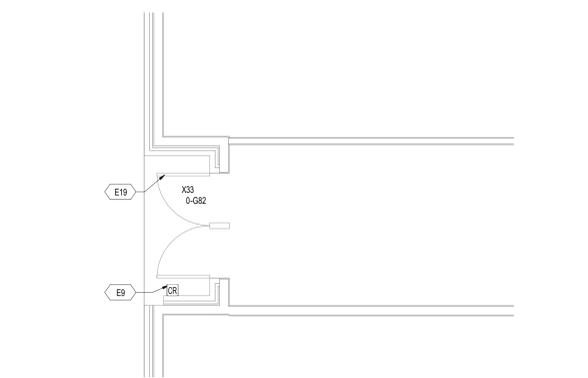
4 DOOR 07\_EXISTING DOOR NEW HARDWARE  
 1/4" = 1'-0"



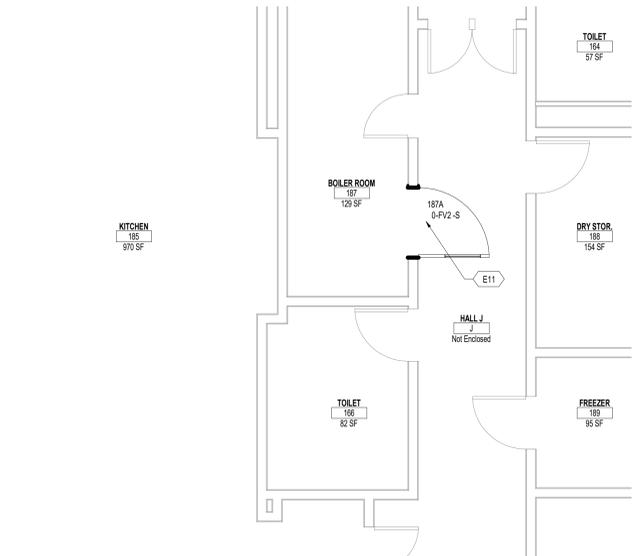
5 DOOR X100\_EXISTING DOOR NEW HARDWARE  
 1/4" = 1'-0"



6 DOOR X45\_EXISTING DOOR NEW HARDWARE  
 1/4" = 1'-0"



7 DOOR X33\_EXISTING DOOR NEW HARDWARE  
 1/4" = 1'-0"



8 DOOR 187A\_ENLARGED FIRST FLOOR PLAN  
 1/4" = 1'-0"

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- E24 EXISTING DOOR TO REMAIN. REFURBISH EXISTING DOOR AND FRAME. PAINT AND INSTALL NEW HARDWARE. ENSURE DOOR OPERATES PROPERLY.



1100 W. RANDOLPH MILL ROAD  
 SUITE 300  
 ARLINGTON, TEXAS 76012  
 WWW.LBLARCHITECTS.COM  
 TEL: (817) 285-5832  
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 TDC# PR01871030  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S PAVINIA DR., DALLAS, TX 75211

# INTERIOR COLOR SCHEDULE

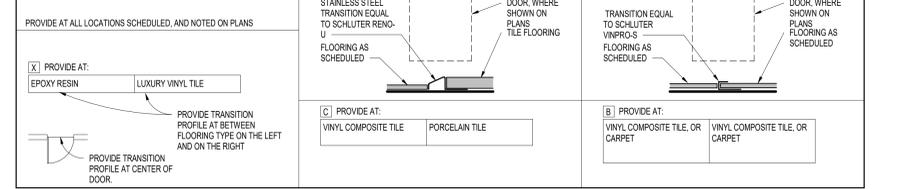
MARK	TYPE	MANUFACTURER	PRODUCT NAME & NUMBER	COLOR	SIZE	COMMENTS	CONTACT
<b>FLOORING</b>							
FPT3	PORCELAIN TILE	DAL TILE	KEYSTONES D617	ARCTIC WHITE	2' X 2'	--	--
VCT1	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	STANDARD EXCELON IMPERIAL TEXTURE 5189	COOL WHITE	--	--	--
VCT2	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	STANDARD EXCELON IMPERIAL TEXTURE 5200	CARNIVAL WHITE	--	--	--
--	VINYL COMPOSITE TILE WAX	DIVERSELY	VECTRA FLOOR FINISH	--	--	7 COATS OF WAX ARE REQUIRED FOR ALL NEW VCT FLOORING	--
FC2	CARPET - TILE	SHAW CONTRACT	DIFFUSE 24X24 ECOWORX 59675	SEASONAL 75979	24" X 24"	--	--
<b>WALL BASE</b>							
BC1	INTEGRAL COVE BASE	--	--	--	6" HIGH	MATCH FLOORING MATERIAL	--
GR1	GROUT	--	--	--	--	--	--
RB1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE	100 BLACK	--	--	--
<b>WALL FINISHES</b>							
CT1	CERAMIC WALL TILE	DAL TILE	COLOR WHEEL CLASSIC D50	SUNFLOWER	4" X 4"	--	--
CT2	CERAMIC WALL TILE	DAL TILE	COLOR WHEEL CLASSIC 0190	ARCTIC WHITE	4" X 4"	--	--
CT3	CERAMIC WALL TILE	DAL TILE	COLOR WHEEL CLASSIC 1467	WOOD VIOLET	4" X 4"	--	--
P3	PAINT	GLIDDEN	PPG1024-1	OFF WHITE	--	--	--
<b>CEILING</b>							
ACT1	ACOUSTICAL CEILING 1	ARMSTRONG	TILE: OPTIMA SQUARE EDGE #0150	WHITE	24" X 24"	--	--
CP1	PAINTED CLGS	SW	GRD. PRELUDE XL	WHITE	15/16"	--	--
<b>MILLWORK</b>							
PL1	CABINERY FACE- PLASTIC LAMINATE	WILSONART	MONTANA WALNUT 7110K-78	MONTANA WALNUT	--	FINISH: SOFTGRAIN	--
PL2	CABINERY FACE- STAINED WOOD	--	NOT USED	--	--	--	--
PL3	COUNTER TOP & SIDE AND BACKSPLASH- PLASTIC LAMINATE	WILSONART	KALAHARI TOPAZ 4688	KALAHARI TOPAZ	--	--	--
<b>DOORS &amp; FRAMES</b>							
--	WOOD DOORS - STAINED	VT INDUSTRIES	HERITAGE COLLECTION WHITE MAPLE, QUARTER SAWN	STAIN: AL18 ALPINE	--	--	--
--	H.M. DOORS & FRAMES	--	--	PAINTED, MATCH EXISTING	--	--	--
--	ACCESS DOORS AND FRAMES	--	--	PAINTED, MATCH ADJACENT SURFACE	--	--	--

## GENERAL PAINTING NOTES

- PAINT ALL INTERIOR PRIMED STRUCTURAL ITEMS EXPOSED TO VIEW.
- PAINT ALL EXTERIOR STRUCTURAL STEEL ELEMENTS, INCLUDING IN CRAWL SPACES AND VENTED SPACES.
- PAINT ALL UNFINISHED SURFACES EXPOSED TO VIEW NOT SCHEDULED TO RECEIVE ANY OTHER FINISH UNLESS NOTED OTHERWISE. IN ROOMS WITHOUT FINISHED CEILING, PAINT ALL EXPOSED ELEMENTS SUCH AS STRUCTURE, CONDUITS, PIPING, HVAC DUCTWORK, ETC.
- PAINT ALL SIDES OF FLOOR-DOWNS AND SOFFITS. PAINT ALL SOFFIT FACES SAME AS SOFFIT BOTTOM.
- PAINT ALL SIDES OF HOLLOW METAL DOORS & FRAMES.
- COMPLETE COVERAGE OF ALL EXPOSED SURFACES IS INTENDED UNLESS SPECIFICALLY NOTED NOT TO BE PAINTED. DO NOT PAINT THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:
  - FACTORY-FINISHED MATERIALS AND EQUIPMENT.
  - NON-FERROUS METALS, EXCEPT FOR ITEMS INDICATED TO BE PAINTED.
  - MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR OR FAN SHAFTS.
  - CODE REQUIRED LABELS SUCH AS UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, INSTRUCTIONS, NAME OR NOMENCLATURE PLATES.
  - DUCT SHAFTS, CONCEALED SPACES, AND CONCEALED PIPES AND DUCTS.
  - ACOUSTICAL TILE AND SUSPENSION SYSTEM, UNLESS NOTED OTHERWISE.
  - CONCRETE FLOORS.
  - STRUCTURAL STEEL, WORK CONCEALED BY INTERIOR BUILDING FINISHES.
  - PLASTIC LAMINATE OR SOLID POLYMER.
  - SYNTHETIC STUCCO.
  - PRE-FINISHED ALUMINUM FRAMES.
  - GLASS.
- ALL GYPSUM BOARD WALLS AND CEILING ARE TO BE LEVEL 4 FINISH UNLESS NOTED OTHERWISE. ALL GYPSUM BOARD SURFACES ARE TO RECEIVE LIGHT ORANGE-PEEL TEXTURE AS APPROVED BY OWNER.
  - WHERE PAINT IS APPLIED OR LIGHT SCHEDULED, PAINT ENTIRE WALL OR SURFACE FROM CORNER TO CORNER. SPOT FINISHING IS NOT ACCEPTED.
  - WHERE WALLS ARE PATCHED, SAND DOWN EXISTING TEXTURE OF ENTIRE WALL LENGTH AND APPLY NEW SKIM COAT AND TEXTURE.
- INTERIOR PAINT SHEEN:
  - PAINTED WALLS AND CEILING ARE TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM WITH LIGHT SAND TEXTURE, UNLESS NOTED OTHERWISE.
  - PAINTED WALLS AND CEILING FOR WET AREA SURFACES ARE TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM WITH EPOXY PRIMER AND LIGHT SAND TEXTURE, UNLESS NOTED OTHERWISE.
  - PAINTED METALS, INCLUDING MISCELLANEOUS OR ORNAMENTAL IRON TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM, UNLESS NOTED OTHERWISE.
  - PAINTED STRUCTURAL METALS TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT INDUSTRIAL ENAMEL SYSTEM, UNLESS NOTED OTHERWISE.
  - PAINTED DOORS, FRAMES, AND TRIM TO BE PAINTED IN SEMI-GLOSS SHEEN UNLESS NOTED OTHERWISE.
- EXTERIOR PAINT SHEEN:
  - PAINTED WOOD TO BE PAINTED SEMI-GLOSS FINISH THREE COAT LATEX SYSTEM, UNLESS NOTED OTHERWISE.
  - PAINTED METALS (DOORS, HANDRAILS, METAL STEPS) TO BE PAINTED IN GLOSS FINISH THREE COAT ALKYD INDUSTRIAL ENAMEL SYSTEM WITH ALKYD UNIVERSAL PRIMER, UNLESS NOTED OTHERWISE.

SEVEN COATS OF WAX ARE REQUIRED BY DISD TO BE USED AFTER INSTALLATION TO ALL NEW VINYL COMPOSITE TILE. SEE FINISH SCHEDULE ABOVE

## FLOORING TRANSITION PROFILES:



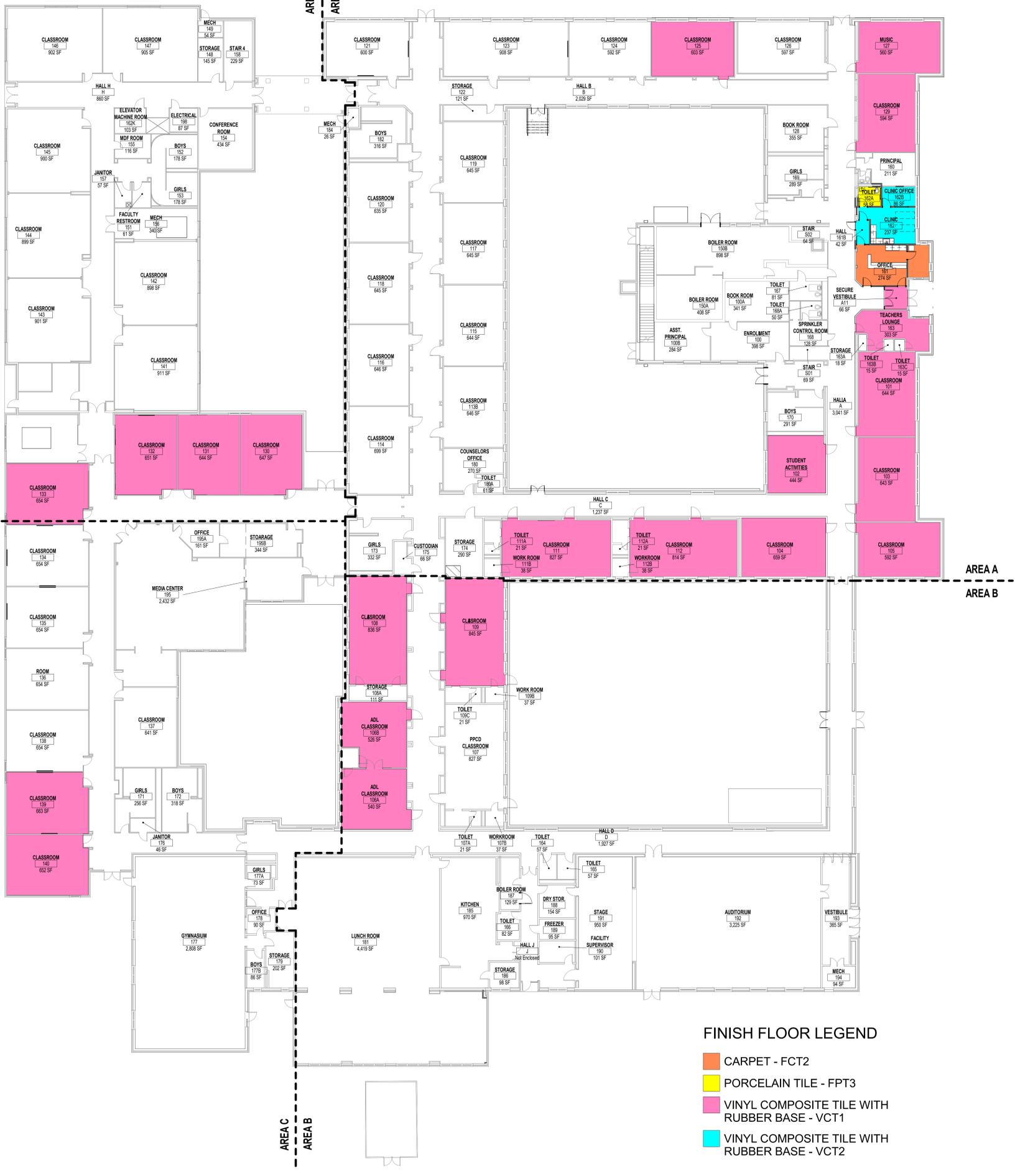
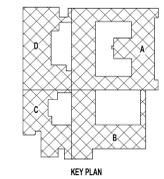
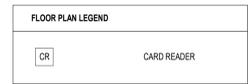
## GENERAL FLOORING AND WALL BASE FINISH NOTES:

- REFER TO COLOR SCHEDULE SHEET FOR MORE INFORMATION.
- ALL FLOORS SCHEDULED TO RECEIVE NEW FLOORING SHALL BE LEVELED WITH SELF-LEVELING UNDERLAYMENT.
  - FOR ALL FLOORS WITHIN PROJECT AREA, PROVIDE UNDERLAYMENT AS NECESSARY TO MAINTAIN SURFACE FLATNESS WITH MAXIMUM VARIATION OF .04" IN 10'-0" AND MAXIMUM .14" ABOVE OR BELOW FINISH ELEVATION.
  - PROVIDE UNDERLAYMENT AS NECESSARY WHERE A FLOOR SLAB REQUIRES FLOATING UP TO TRANSITION BETWEEN DISSIMILAR FLOOR FINISH MATERIAL THICKNESS.
  - PROVIDE UNDERLAYMENT AT OTHER LOCATIONS AS CALLED FOR ON THE DRAWINGS.
  - WHERE DEPRESSIONS AND CHANGES IN FLOOR ELEVATION OCCUR, OR ARE DISCOVERED DURING THE COURSE OF WORK, THAT ARE INCONSISTENT WITH THE FINAL DESIGN INTENT SHALL BE INFILLED TO CREATE A LEVEL FLOOR.
- PROVIDE FLOORING TRANSITION PROFILES TO ALL TRANSITIONS FROM ONE FLOOR MATERIAL TO ANOTHER. REFER TO FLOOR TRANSITION DETAILS ON THIS SHEET.
- ALL FLOORING CHANGES OCCUR AT THE CENTER OF DOOR LEAF (IN CLOSED POSITION), U.N.O. WHERE THERE IS NO DOOR, CHANGE OCCURS AT THE MID-POINT OF THE JAMB, U.N.O.
  - CARPET AND CARPET TILE FLOORING
  - AT CARPETED FLOORS, PROVIDE RUBBER BASE UNLESS NOTED OTHERWISE.
  - RESILIENT TILE FLOORING
  - FOR ALL WALLS AT RESILIENT TILED FLOORS, PROVIDE RUBBER BASE UNLESS NOTED OTHERWISE.
- PORCELAIN TILE FLOORING
  - AT TILED WALLS, TILE RUNS TO FLOOR, NO SEPARATE TILE BASE.
  - AT PAINTED WALLS, PROVIDE RUBBER BASE UNLESS NOTED OTHERWISE.
  - PROVIDE SCHLUTER DITRA UNCOUPLING & WATERPROOFING MEMBRANE, TYPICAL AT ALL TILED FLOORS.

FLOOR AND BASE FINISH PLAN NOTES BY... (FB4)

## FINISH FLOOR LEGEND

- CARPET - FCT2
- PORCELAIN TILE - FPT3
- VINYL COMPOSITE TILE WITH RUBBER BASE - VCT1
- VINYL COMPOSITE TILE WITH RUBBER BASE - VCT2



1 FLOOR AND BASE FINISH PLAN - LEVEL 1  
1/16" = 1'-0"



COMM. NO. 1287  
DATE 10/17/2024  
DRAWN DE  
CHECKED TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH REVISIONS:



1505 W. RANDOLPH MILL ROAD  
SUITE 300  
ARLINGTON, TEXAS 76012  
WWW.LBLARCHITECTS.COM  
Liston, Build, Lead. TSC: P181817-030

DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 S PAVINIA DR., DALLAS, TX 75211

FLOOR & BASE FINISH PLAN - LEVEL 1  
2.10A

THIS DRAWING HAS INFORMATION THAT IS DISTINGUISHED BY COLOR, AND IS INTENDED TO BE VIEWED AS A FULL COLOR DOCUMENT ONLY. ANY GRAYSCALE OR BLACK AND WHITE COPY SHALL NOT BE USED.

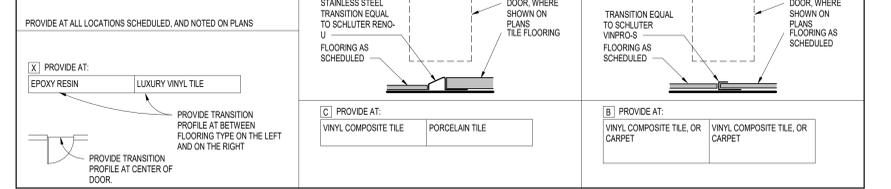
# INTERIOR COLOR SCHEDULE

MARK	TYPE	MANUFACTURER	PRODUCT NAME & NUMBER	COLOR	SIZE	COMMENTS	CONTACT
<b>FLOORING</b>							
FPT3	PORCELAIN TILE	DALTILE	KEYSTONES D617	ARCTIC WHITE	2' X 2'	--	--
VCT 1	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	STANDARD EXCELON IMPERIAL TEXTURE 51899	COOL WHITE	--	--	--
VCT2	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	STANDARD EXCELON IMPERIAL TEXTURE 52500	CARNIVAL WHITE	--	--	--
--	VINYL COMPOSITE TILE WAX	DIVERSELY	VECTRA FLOOR FINISH	--	--	7 COATS OF WAX ARE REQUIRED FOR ALL NEW VCT FLOORING	--
FCT2	CARPET - TILE	SHAWCONTRACT	DIFFUSE 2X4X4 EDCOWORX 59675	SEASONAL 75979	24" X 24"	--	--
<b>WALL BASE</b>							
BC1	INTEGRAL COVE BASE	--	--	--	6" HIGH	MATCH FLOORING MATERIAL	--
	GROUT						
RB1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE	100 BLACK			
<b>WALL FINISHES</b>							
CT1	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC D450	SUNFLOWER	4" X 4"		
CT2	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC 0190	ARCTIC WHITE	4" X 4"		
CT3	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC 1467	WOOD VIOLET	4" X 4"		
P3	PAINT	GLIDDEN	PPG1024-1	OFF WHITE			
<b>CEILING</b>							
ACT1	ACOUSTICAL CEILING 1	ARMSTRONG	TILE: OPTIMA SQUARE EDGE #0150	WHITE	24" X 24"		
			GRID: PRELUDE XL	WHITE	15/16"		
CPT1	PAINTED CLGS	SW	SW7612				
<b>MILLWORK</b>							
PL1	CABINERY FACE - PLASTIC LAMINATE	WILSONART	MONTANA WALNUT 7110K-78	MONTANA WALNUT	--	FINISH: SOFTGRAIN	--
PL2	CABINERY FACE - STAINED WOOD	--	NOT USED	--	--	--	--
PL3	COUNTER TOP & SIDE AND BACKSPLASH - PLASTIC LAMINATE	WILSONART	KALAHARI TOPAZ 4688	KALAHARI TOPAZ			
<b>DOORS &amp; FRAMES</b>							
--	WOOD DOORS - STAINED	VT INDUSTRIES	HERITAGE COLLECTION WHITE MAPLE, QUARTER SAWN	STAIN: AL18 ALPINE	--	--	--
--	H.M. DOORS & FRAMES	--	--	PAINTED, MATCH EXISTING	--	--	--
--	ACCESS DOORS AND FRAMES	--	--	PAINTED, MATCH ADJACENT SURFACE	--	--	--

## GENERAL PAINTING NOTES

- PAINT ALL INTERIOR PRIMED STRUCTURAL ITEMS EXPOSED TO VIEW.
- PAINT ALL EXTERIOR STRUCTURAL STEEL ELEMENTS, INCLUDING IN CRAWL SPACES AND VENTED SPACES.
- PAINT ALL UNFINISHED SURFACES EXPOSED TO VIEW NOT SCHEDULED TO RECEIVE ANY OTHER FINISH UNLESS NOTED OTHERWISE.
- IN ROOMS WITHOUT FINISHED CEILING, PAINT ALL EXPOSED ELEMENTS SUCH AS STRUCTURE, CONDUITS, PIPING, HVAC DUCTWORK, ETC.
- PAINT ALL SIDES OF FURR-DOWNS AND SOFFITS. PAINT ALL SOFFIT FACES SAME AS SOFFIT BOTTOM.
- PAINT ALL SIDES OF HOLLOW METAL DOORS & FRAMES.
- COMPLETE COVERAGE OF ALL EXPOSED SURFACES IS INTENDED UNLESS SPECIFICALLY NOTED NOT TO BE PAINTED. DO NOT PAINT THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:
  - FACTORY-FINISHED MATERIALS AND EQUIPMENT.
  - NON-FERROUS METALS, EXCEPT FOR ITEMS INDICATED TO BE PAINTED.
  - MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR OR FAN SHAFTS.
  - CODE REQUIRED LABELS SUCH AS UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, INSTRUCTIONS, NAME OR NOMENCLATURE PLATES.
  - DUCT SHAFTS, CONCEALED SPACES, AND CONCEALED PIPES AND DUCTS.
  - ACOUSTICAL TILE AND SUSPENSION SYSTEM, UNLESS NOTED OTHERWISE.
  - CONCRETE FLOORS.
  - STRUCTURAL STEEL WORK CONCEALED BY INTERIOR BUILDING FINISHES.
  - PLASTIC LAMINATE OR SOLID POLYMER.
  - SYNTHETIC STUCCO.
  - PREFINISHED ALUMINUM FRAMES.
  - GLASS.
- ALL GYPSUM BOARD WALLS AND CEILINGS ARE TO BE LEVEL 4 FINISH UNLESS NOTED OTHERWISE. ALL GYPSUM BOARD SURFACES ARE TO RECEIVE LIGHT ORANGE-PEEL TEXTURE AS APPROVED BY OWNER.
- WHERE PAINT IS APPLIED OR TOUCHED UP, PAINT ENTIRE WALL OR SURFACE FROM CORNER TO CORNER. SPOT FINISHING IS NOT ACCEPTED.
- WHERE WALLS ARE PATCHED, SAND DOWN EXISTING TEXTURE OF ENTIRE WALL LENGTH AND APPLY NEW SKIM COAT AND TEXTURE.
- INTERIOR PAINT SHEEN:
  - PAINTED WALLS AND CEILINGS ARE TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM WITH LIGHT SAND TEXTURE, UNLESS NOTED OTHERWISE.
  - PAINTED WALLS AND CEILINGS FOR WET AREA SURFACES ARE TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM WITH EPOXY PRIMER AND LIGHT SAND TEXTURE, UNLESS NOTED OTHERWISE.
  - PAINTED METALS, INCLUDING MISCELLANEOUS OR ORNAMENTAL IRON TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM, UNLESS NOTED OTHERWISE.
  - PAINTED STRUCTURAL METALS TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT INDUSTRIAL ENAMEL SYSTEM, UNLESS NOTED OTHERWISE.
  - PAINTED DOORS, FRAMES, AND TRIM TO BE PAINTED IN SEMI-GLOSS SHEEN UNLESS NOTED OTHERWISE.
- EXTERIOR PAINT SHEEN:
  - PAINTED WOOD TO BE PAINTED SEMI-GLOSS FINISH THREE COAT LATEX SYSTEM, UNLESS NOTED OTHERWISE.
  - PAINTED METALS (DOORS, HANDRAILS, METAL STEPS) TO BE PAINTED IN GLOSS FINISH THREE COAT ALKYD INDUSTRIAL ENAMEL SYSTEM WITH ALKYD UNIVERSAL PRIMER, UNLESS NOTED OTHERWISE.

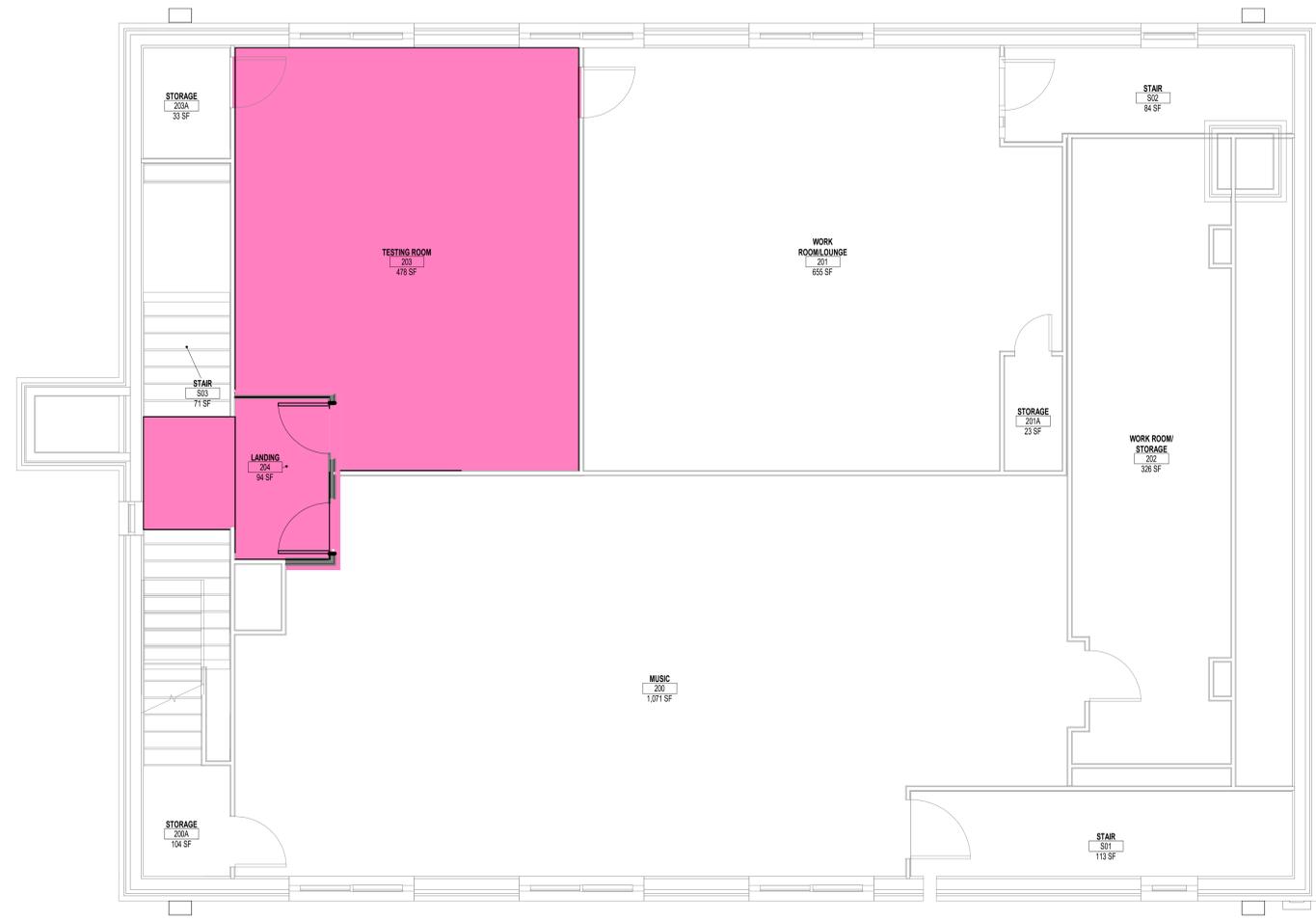
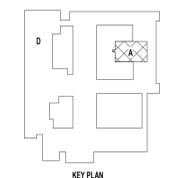
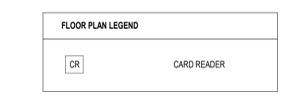
## FLOORING TRANSITION PROFILES:



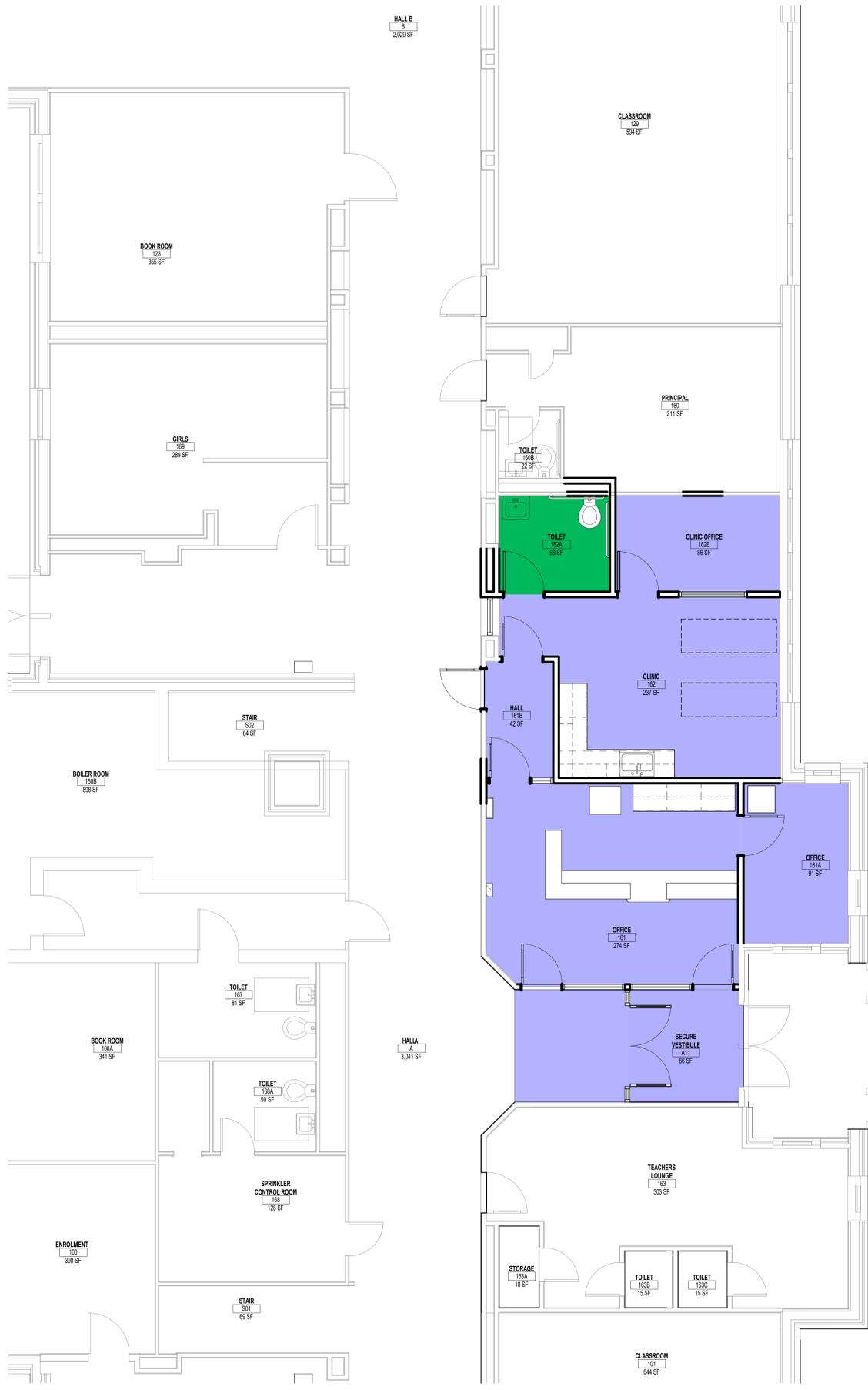
## GENERAL FLOORING AND WALL BASE FINISH NOTES:

- REFER TO COLOR SCHEDULE SHEET FOR MORE INFORMATION.
- ALL FLOORS SCHEDULED TO RECEIVE NEW FLOORING SHALL BE LEVELLED WITH SELF-LEVELING UNDERLAYMENT.
  - FOR ALL FLOORS WITHIN PROJECT AREA, PROVIDE UNDERLAYMENT AS NECESSARY TO MAINTAIN SURFACE FLATNESS WITH MAXIMUM VARIATION OF 1/8" IN 10'-0" AND MAXIMUM 1/4" ABOVE OR BELOW FINISH ELEVATION.
- PROVIDE UNDERLAYMENT AS NECESSARY WHERE A FLOOR SLAB REQUIRES FLOATING UP TO TRANSITION BETWEEN DISSIMILAR FLOOR FINISH MATERIAL THICKNESS.
  - PROVIDE UNDERLAYMENT AT OTHER LOCATIONS AS CALLED FOR ON THE DRAWINGS.
- WHERE DEPRESSIONS AND CHANGES IN FLOOR ELEVATION OCCUR, OR ARE DISCOVERED DURING THE COURSE OF WORK, THAT ARE INCONSISTENT WITH THE FINAL DESIGN INTENT SHALL BE INFILLED TO CREATE A LEVEL FLOOR.
- PROVIDE FLOORING TRANSITION PROFILES TO ALL TRANSITIONS FROM ONE FLOOR MATERIAL TO ANOTHER. REFER TO FLOOR TRANSITION DETAILS ON THIS SHEET.
- ALL FLOORING CHANGES OCCUR AT THE CENTER OF DOOR LEAF (IN CLOSED POSITION), U.N.O. WHERE THERE IS NO DOOR, CHANGE OCCURS AT THE MID-POINT OF THE JAMB, U.N.O.
  - CARPET AND CARPET TILE FLOORING
  - AT CARPETED FLOORS, PROVIDE RUBBER BASE UNLESS NOTED OTHERWISE.
- RESILIENT TILE FLOORING
  - FOR ALL WALLS AT RESILIENT TILED FLOORS, PROVIDE RUBBER BASE UNLESS NOTED OTHERWISE.
- PORCELAIN TILE FLOORING
  - AT TILED WALLS TILE RUNS TO FLOOR, NO SEPARATE TILE BASE
  - AT PAINTED WALLS, PROVIDE RUBBER BASE UNLESS NOTED OTHERWISE.
  - PROVIDE SCHLUTER DITRA UNCOUPLING & WATERPROOFING MEMBRANE, TYPICAL AT ALL TILED FLOORS.

FLOOR AND BASE FINISH PLAN NOTES BY... (FB-4)



Autodesk Docs: D:\SD\Leila Cowart ESS\25F\DISD-LEILA COWART ESS\_R24.rvt



**2 WALL FINISH PLAN**  
1/4" = 1'-0"



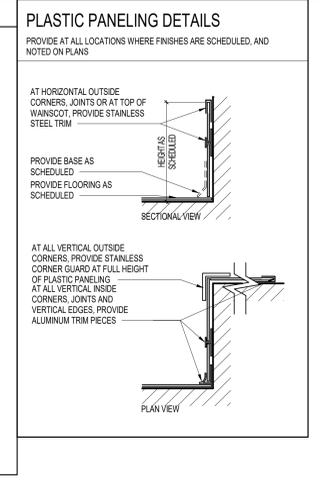
**WALL FINISH LEGEND**

	CERAMIC WALL TILE - CT1, CT2, CT3
	PAINT - P3

# INTERIOR COLOR SCHEDULE

MARK	TYPE	MANUFACTURER	PRODUCT NAME & NUMBER	COLOR	SIZE	COMMENTS	CONTACT
<b>FLOORING</b>							
FPT3	PORCELAIN TILE	DALTILE	KEYSTONES DB17	ARCTIC WHITE	2' X 2'	--	--
VCT 1	VINYL COMPOSITE TILE	ARMSTRONG	STANDARD EXCELCOR IMPERIAL FLOORING	COOL WHITE	--	--	--
VCT 2	VINYL COMPOSITE TILE	ARMSTRONG	STANDARD EXCELCOR IMPERIAL FLOORING	CARNIVAL WHITE	--	--	--
--	VINYL COMPOSITE TILE WAX	DIVERSELY	VECTRA FLOOR FINISH	--	--	7 COATS OF WAX ARE REQUIRED FOR ALL NEW VCT FLOORING	--
FCT 2	CARPET - TILE	SHAWCONTRACT	DIFFUSE 24X24 ECOWORK 5675	SEASONAL 75979	24" X 24"	--	--
<b>WALL BASE</b>							
BIC 1	INTEGRAL COVE BASE	--	--	--	6" HIGH	MATCH FLOORING MATERIAL	--
	GROUT						
RB1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE	100 BLACK			
<b>WALL FINISHES</b>							
CT1	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC DH50	SUNFLOWER	4' X 4'		
CT2	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC 0190	ARCTIC WHITE	4' X 4'		
CT3	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC 1467	WOOD VIOLET	4' X 4'		
P3	PAINT	GLIDDEN	PPG1024-1	OFF WHITE			
<b>CEILING</b>							
ACT1	ACOUSTICAL CEILING 1	ARMSTRONG	TILE: OPTIMA SQUARE EDGE #3150	WHITE	24" X 24"		
			GRID: PRELUDE XL	WHITE	15/16"		
CPT1	PAINTED GLSS	SW	SW7612				
<b>MILLWORK</b>							
PL1	CABINERY FACE - PLASTIC LAMINATE	WILSONART	MONTANA WALNUT 7110K-78	MONTANA WALNUT	--	FINISH: SOFTGRAIN	--
PL2	CABINERY FACE - STAINED WOOD	--	NOT USED	--	--	--	--
PL3	COUNTER TOP & SIDE AND BACKSPLASH - PLASTIC LAMINATE	WILSONART	KALAHARI TOPAZ 4588	KALAHARI TOPAZ			
<b>DOORS &amp; FRAMES</b>							
--	WOOD DOORS - STAINED	VT INDUSTRIES	HERITAGE COLLECTION WHITE MAPLE, QUARTER SAWN	STAIN: AL10 ALPINE	--	--	--
--	H.M. DOORS & FRAMES	--	--	PAINTED, MATCH EXISTING	--	--	--
--	ACCESS DOORS AND FRAMES	--	--	PAINTED, MATCH ADJACENT SURFACE	--	--	--

- GENERAL PAINTING NOTES**
- PAINT ALL INTERIOR PRIMED STRUCTURAL ITEMS EXPOSED TO VIEW.
  - PAINT ALL EXTERIOR STRUCTURAL STEEL ELEMENTS, INCLUDING IN CRAWL SPACES AND VENTED SPACES.
  - PAINT ALL UNFINISHED SURFACES EXPOSED TO VIEW NOT SCHEDULED TO RECEIVE ANY OTHER FINISH UNLESS NOTED OTHERWISE.
  - IN ROOMS WITHOUT FINISHED CEILINGS, PAINT ALL EXPOSED ELEMENTS SUCH AS STRUCTURE, CONDUITS, PIPING, HVAC DUCTWORK, ETC.
  - PAINT ALL SIDES OF FURRO-DOWNS AND SOFFITS. PAINT ALL SOFFIT FACES SAME AS SOFFIT BOTTOM.
  - PAINT ALL SIDES OF HOLLOW METAL DOORS & FRAMES.
  - COMPLETE COVERAGE OF ALL EXPOSED SURFACES IS INTENDED UNLESS SPECIFICALLY NOTED NOT TO BE PAINTED. DO NOT PAINT THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:
    - FACTORY FINISHED MATERIALS AND EQUIPMENT.
    - NON-FERROUS METALS, EXCEPT FOR ITEMS INDICATED TO BE PAINTED.
    - MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR OR FAN SHAFTS.
    - CODE REQUIRED LABELS SUCH AS UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, INSTRUCTIONS, NAME OR NOMENCLATURE PLATES.
    - DUCT SHAFTS, CONCEALED SPACES, AND CONCEALED PIPES AND DUCTS.
    - ACOUSTICAL TILE AND SUSPENSION SYSTEM, UNLESS NOTED OTHERWISE.
    - CONCRETE FLOORS.
    - STRUCTURAL STEEL WORK CONCEALED BY INTERIOR BUILDING FINISHES.
    - PLASTIC LAMINATE OR SOLID POLYMER.
    - SYNTHETIC STUCCO.
    - PREFINISHED ALUMINUM FRAMES.
    - GLASS.
  - ALL GYPSUM BOARD WALLS AND CEILINGS ARE TO BE LEVEL 4 FINISH UNLESS NOTED OTHERWISE. ALL GYPSUM BOARD SURFACES ARE TO RECEIVE LIGHT ORANGE PEEL TEXTURE AS APPROVED BY OWNER.
  - WHERE PAINT IS APPLIED OR TOUCHED UP, PAINT ENTIRE WALL OR SURFACE FROM CORNER TO CORNER. SPOT FINISHING IS NOT ACCEPTED.
  - WHERE WALLS ARE PATCHED, SAND DOWN EXISTING TEXTURE OF ENTIRE WALL LENGTH AND APPLY NEW SKIM COAT AND TEXTURE.
  - INTERIOR PAINT SHEEN:
    - PAINTED WALLS AND CEILINGS ARE TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM WITH LIGHT SAND TEXTURE, UNLESS NOTED OTHERWISE.
    - PAINTED WALLS AND CEILINGS FOR WET AREA SURFACES ARE TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM WITH EPOXY PRIMER AND LIGHT SAND TEXTURE, UNLESS NOTED OTHERWISE.
    - PAINTED METALS, INCLUDING MISCELLANEOUS & ORNAMENTAL IRON TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT ENAMEL SYSTEM, UNLESS NOTED OTHERWISE.
    - PAINTED STRUCTURAL METALS TO BE PAINTED IN SEMI-GLOSS FINISH THREE COAT INDUSTRIAL ENAMEL SYSTEM, UNLESS NOTED OTHERWISE.
    - PAINTED DOORS, FRAMES, AND TRIM TO BE PAINTED IN SEMI-GLOSS SHEEN UNLESS NOTED OTHERWISE.
  - EXTERIOR PAINT SHEEN:
    - PAINTED WOOD TO BE PAINTED SEMI-GLOSS FINISH THREE COAT LATEX SYSTEM, UNLESS NOTED OTHERWISE.
    - PAINTED METALS (DOORS, HANDRAILS, METAL STEPS) TO BE PAINTED IN GLOSS FINISH THREE COAT ALKYD INDUSTRIAL ENAMEL SYSTEM WITH ALKYD UNIVERSAL PRIMER, UNLESS NOTED OTHERWISE.



**GENERAL WALL FINISH NOTES:**

- REFER TO COLORS SCHEDULE FOR ADDITIONAL INFORMATION.
- SUPPLY & RETURN GRILLES TO BE FINISHED TO MATCH ADJACENT SURFACES.
- ALL FLOORING CHANGES OCCUR AT THE CENTER OF DOOR LEAF (IN CLOSED POSITION), U.N.O. WHERE THERE IS NO DOOR, CHANGE OCCURS AT THE MID-POINT OF THE JAMB, U.N.O.
- FINISHES SCHEDULED ARE DEFAULT FOR ROOMS, UNLESS NOTED OTHERWISE.
- ALL OUTSIDE CORNERS OF GYPSUM BOARD WALLS TO RECEIVE CORNER GUARDS INCLUDING 45 DEGREE CORNERS.

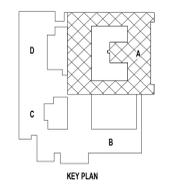
**WALL FINISH PLAN NOTES BY NUMBER** WF

- WF1 TEXTURE WALL TO MATCH EXISTING ADJACENT WALL, PAINT AND INSTALL BASE AS SCHEDULED.

**FLOOR PLAN LEGEND**

	CR	CARD READER
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**SEVEN COATS OF WAX ARE REQUIRED BY DISD TO BE USED AFTER INSTALLATION TO ALL NEW VINYL COMPOSITE TILE. SEE FINISH SCHEDULE ABOVE**



COMM. NO. 1287  
DATE 10/17/2024  
DRAWN DE  
CHECKED TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH REVISIONS:



1100 W. RANDOLPH MILL ROAD  
SUITE 300  
ARLINGTON, TEXAS 76012  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 S PAVINIA DR., DALLAS, TX 75211

WALL FINISH PLAN - LEVEL 1  
**2.11A**

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ONE INCH REVISIONS:

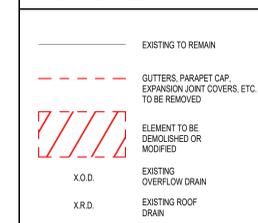
DEMOLITION ROOF PLAN GENERAL NOTES:

- A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO BID.
- B. EXAMINE AND PREPARE THE EXISTING ROOF SYSTEM TO MEET THE ROOF MANUFACTURER'S REQUIREMENTS AS A SUITABLE SUBSTRATE FOR THE NEW ROOFING. (DECK IS NOT REVEALED)
- C. ALL EXISTING PITCH PANS AND EQUIPMENT RAILS ARE TO BE REMOVED AND REPLACED WITH BOX EQUIPMENT CURBS.
- D. EXISTING ROOF HAS BEEN CORED. ALL AREAS ARE STEEL STRUCTURE WITH METAL DECK SLOPING AT 1/8" PER FOOT WITH ROOFING COMPOSED OF GRANULAR SURFACED MODIFIED BITUMEN ROOFING SYSTEM WITH ALUMINUM FOIL FLASHINGS. (CONTRACTOR TO VERIFY)
- E. REMOVE ALL PLAIN WIRING AND FLEXIBLE CONDUIT AND REPLACE WITH RIGID CONDUIT. ALL CONDUIT IS TO RUN TO "VAULTS" AND NOT PENETRATE THE ROOF DIRECTLY.
- F. REMOVE ALL ROOF RELATED SHEET METAL COPINGS, FLASHING AND COUNTER FLASHING AND REPLACE WITH NEW AS NOTED IN DRAWINGS AND DETAILS.
- G. ALL EXISTING PIPING/CONDUIT PRESENT SHALL BE ROUTED INTO HARD PIPE TO ALLOW FOR THE INSTALLATION OF RESIN FLASHINGS.

DEMOLITION ROOF PLAN NOTES BY NUMBER DR#

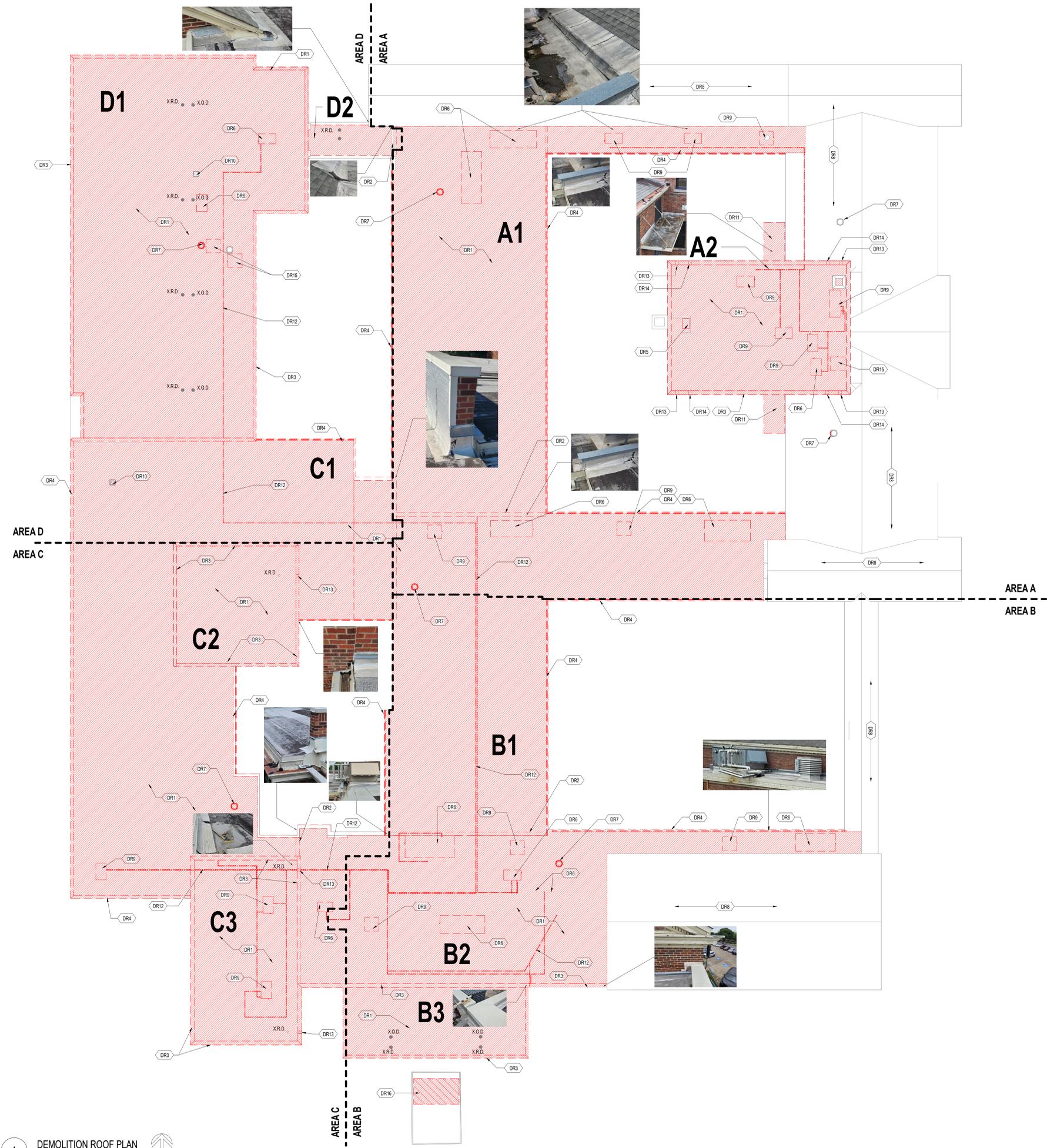
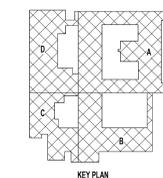
- DR1 CLEAN AND PREPARE EXISTING GRANULAR MOD BIT SYSTEM PER MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ROOF RECOVERY SYSTEM. REMOVE ALL ALUMINUM FOIL FACED FLASHINGS.
- DR2 REMOVE EXISTING EXPANSION JOINT COVER AND REPLACE WITH NEW METAL EXPANSION JOINT COVER.
- DR3 REMOVE EXISTING METAL PARAPET CAP AND REPLACE WITH NEW PARAPET METAL CAP.
- DR4 REMOVE EXISTING GUTTER AND DOWNSPOUTS AND PREPARE FOR NEW METAL FLASHING WITH NEW METAL GUTTER. DOWNSPOUTS THAT ROUTE UNDERGROUND ARE TO BE CAPPED 6" BELOW THE SURFACE AND COVERED OVER WITH SOIL.
- DR5 REMOVE PORTION OF EXISTING ROOF AS REQUIRED FOR INSTALLATION OF NEW ROOF HATCH SET ON L3X3 3/4" FRAME, WELD TO ROOF FRAMING.
- DR6 REMOVE AND REPLACE EXISTING CURBS AND EXISTING MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
- DR7 REMOVE AND REPLACE EXISTING EXHAUST FAN AND CURB WHERE PRESENT. REFER TO MECHANICAL DRAWINGS.
- DR8 EXISTING ASPHALT SHINGLE ROOF TO REMAIN.
- DR9 EXISTING RTU/MECHANICAL UNIT TO REMAIN. REMOVE EXISTING CURB AND REPLACE WITH NEW CURB ALLOWING FOR 1" FLASHING HEIGHT ABOVE NEW ROOF SYSTEM.
- DR10 REMOVE EXISTING ROOF HATCH AND REPLACE AFTER RAISING EXISTING CURB.
- DR11 REMOVE EXISTING POLYURETHANE FOAM ROOF SYSTEM DOWN TO DECK.
- DR12 DEMOLISH EXISTING GAS LINE. REFER TO MECHANICAL SHEETS.
- DR13 EXISTING SCUPPER TO REMAIN. REMOVE EXISTING FLASHING AND PREPARE FOR NEW FLASHING.
- DR14 REMOVE EXISTING BRICK AND PORTION OF EXISTING WALL AS REQUIRED TO INSTALL A NEW OVERFLOW SCUPPER WITH SCUPPER BOTTOM 2" ABOVE NEW ROOF SURFACE HEIGHT.
- DR15 EXISTING AIR INTAKE TO REMAIN. RAISE CURB TO ACCOMMODATE NEW ROOF SYSTEM MIN 1" FLASHING HEIGHT.
- DR16 REMOVE AND REPLACE EXISTING COOLING TOWER. SEE MECHANICAL SHEETS.

DEMOLITION ROOF LEGEND



EXISTING BASE ROOF AND INSULATION PER AREA

ROOF #	SF	DESCRIPTION
A1	9877.29 SF	#3 - MOD. BIT. 2 PLY OVER 1/4" PERLITE OVER 8 1/2" RIGID INSULATION OVER METAL DECK. #4 - MOD. BIT. 2 PLY OVER 1/4" PERLITE OVER 2 1/2" RIGID INSULATION OVER METAL DECK.
A2	3289.43 SF	#19 - MOD. BIT. 2 PLY OVER 1/2" PERLITE OVER 3" RIGID INSULATION OVER WOOD DECK. #20 - MOD. BIT. 2 PLY OVER 1/2" PERLITE OVER 3" RIGID INSULATION OVER WOOD DECK.
B1	10445.24 SF	#5 - MOD. BIT. 2 PLY OVER 1" PERLITE OVER 8" RIGID INSULATION OVER METAL DECK. #6 - MOD. BIT. 2 PLY OVER 1 1/4" PERLITE OVER 1 3/4" RIGID INSULATION OVER METAL DECK.
B2	7817.52 SF	#11 - MOD. BIT. 2 PLY OVER 3/4" PERLITE OVER 3 1/2" RIGID INSULATION OVER METAL DECK. #12 - MOD. BIT. 2 PLY OVER 1/2" PERLITE OVER 3 1/2" RIGID INSULATION OVER METAL DECK.
B3	1818.85 SF	#13 - MOD. BIT. 2 PLY OVER 1/2" PERLITE OVER 3 1/2" RIGID INSULATION OVER METAL DECK. #14 - MOD. BIT. 2 PLY OVER 3/4" PERLITE OVER 3 1/2" RIGID INSULATION OVER METAL DECK.
C1	13140.64 SF	#7 - MOD. BIT. 2 PLY OVER 3/4" PERLITE OVER 3 1/4" RIGID INSULATION OVER METAL DECK. #8 - MOD. BIT. 2 PLY OVER 1/2" PERLITE OVER 2 3/4" RIGID INSULATION OVER METAL DECK.
C2	2190.43 SF	#9 - MOD. BIT. 2 PLY OVER 1/2" PERLITE OVER 3" RIGID INSULATION OVER METAL DECK. #10 - MOD. BIT. 2 PLY OVER 3/4" PERLITE OVER 3" RIGID INSULATION OVER METAL DECK.
C3	2736.68 SF	#15 - MOD. BIT. 2 PLY OVER 3/4" PERLITE OVER 3" RIGID INSULATION OVER METAL DECK. #16 - MOD. BIT. OVER 3/4" PERLITE OVER 3 1/4" RIGID INSULATION OVER METAL DECK.
D1	11224.09 SF	#17 - MOD. BIT. OVER 1" PERLITE OVER 2 1/2" RIGID INSULATION OVER METAL DECK. #18 - MOD. BIT. OVER 1/2" PERLITE OVER 3" RIGID INSULATION OVER METAL DECK.
D2	413.29 SF	#1 - MOD. BIT. 2 PLY OVER 1 1/4" PERLITE OVER METAL DECK. #2 - MOD. BIT. 2 PLY OVER 1 1/4" PERLITE OVER METAL DECK.



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**ROOF PLAN GENERAL NOTES:**

- A. AT ANY EXISTING ROOF AREA STILL UNDER WARRANTY, ALL WORK SHALL BE COMPLETED BY A CONTRACTOR ACCREDITABLE TO THAT WARRANTY.
- B. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR INSTALLATION AND CURB DETAILS FOR MEP.
- C. NOT ALL ROOF MOUNTED EQUIPMENT AND ITEMS ARE NECESSARILY SHOWN ON THIS ROOF PLAN. REFER TO MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- D. FLASHING AT ALL CURBS WILL BE MIN. HEIGHT OF 1" ABOVE ROOF MEMBRANE.
- E. PROVIDE WALK TREADS AROUND ROOF HATCH AND ROOF MOUNTED EQUIPMENT.
- F. PROVIDE 2'-0" X 2'-0" SQUARE LEAD FLASHING OF 2 1/2" LESS 5/8" MIN. PRIMED AND SET IN MASTIC AT ALL ROOF DRAINS AND OVERFLOW DRAINS PER NCRS RECOMMENDATIONS.
- G. ALL MECHANICAL EQUIPMENT SHOWN ON THE ROOF PLAN IS SHOWN FOR COORDINATION. QUANTITIES AND EXACT LOCATION OF ALL EQUIPMENT SHALL BE PROPERLY COORDINATED PRIOR TO INSTALLATION AS REQUIRED AND FIELD VERIFIED.
- H. ALL PIPE, VENTS THROUGH ROOF, CONDUIT, EQUIPMENT SUPPORT, BUILDING MAINTENANCE TIE BACK, ANCHOR PENETRATIONS SHALL BE FLASHED PER DETAILS AND ROOFING MANUFACTURER'S WRITTEN AND DRAWN INSTRUCTIONS.
- I. ALL FLASHING TO BE 1" MINIMUM ABOVE ROOF.
- J. REPAIR DAMAGED WOOD FASCIAS AND SOFFITS PRIOR TO PAINTING.
- K. UNLOG ALL DOWNSPOUTS AND DRAINS BEYOND.

**ROOF PLAN SYMBOLS LEGEND**

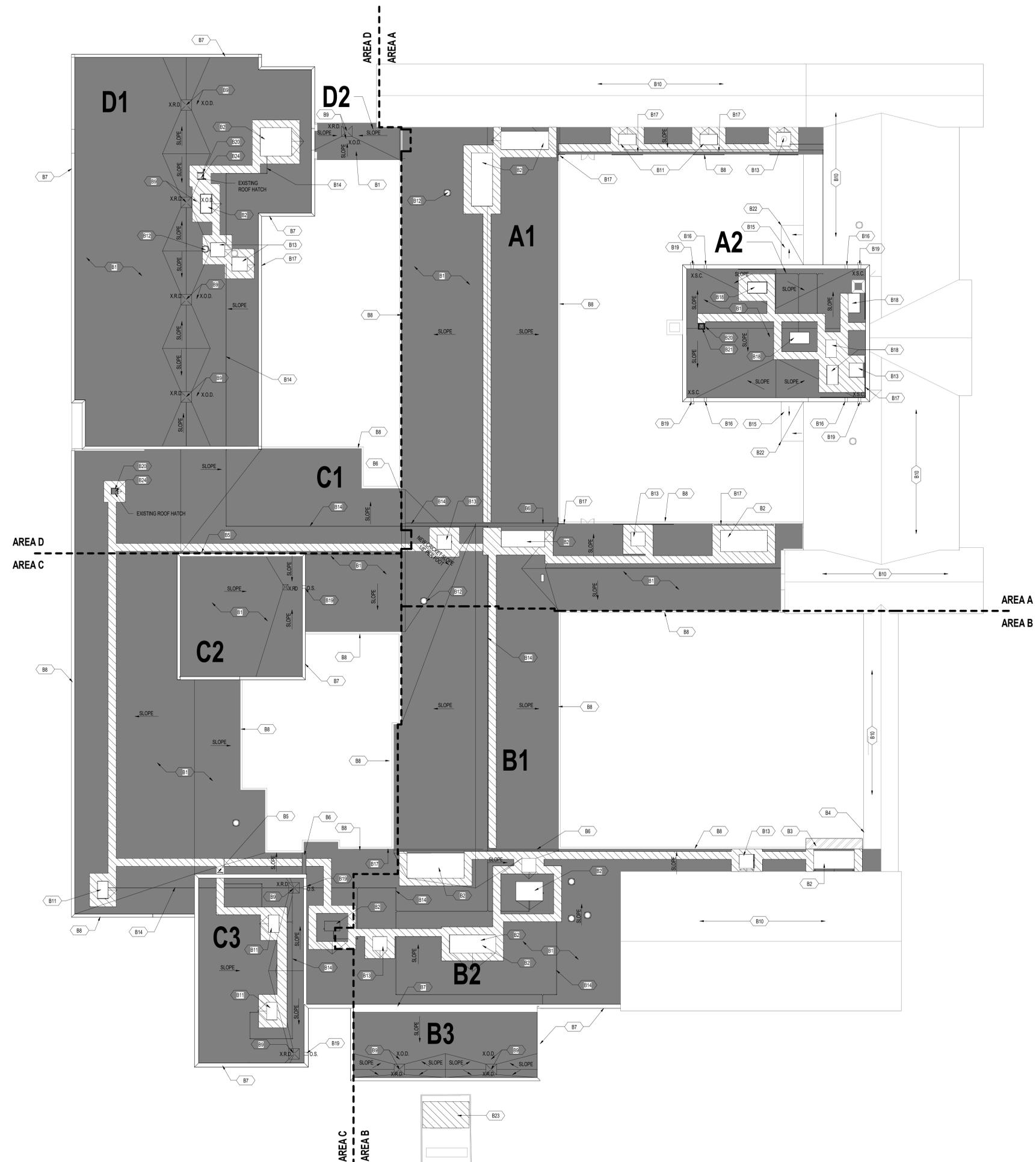
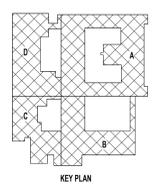
- X.R.D. EXISTING ROOF DRAIN
- X.O.D. EXISTING OVERFLOW DRAIN
- X.S.C. EXISTING ROOF SCUPPER
- X.O.S. EXISTING OVERFLOW SCUPPER
- O.S. OVERFLOW SCUPPER
- SLOPE — DIRECTION OF DOWN SLOPE. MINIMUM SLOPE 1/4" FT. TO DRAIN
- CRICKET. MINIMUM NET SLOPE 1/2" FT. TO DRAIN
- NEW WALKWAY PADS
- AREA OF ROOF RE-COVER. 2-PLY MOD. BIT. ROOFING ON 1/2" COVER BOARD ON 1 1/2" TAPERED INSULATION OVER EXISTING ROOFING

**ROOF PLAN NOTES BY NUMBER**

- B1 INSTALL NEW 2-PLY MOD. BIT. ROOFING ON 1/2" PROTECTION BOARD ON 1 1/2" STARTING THICKNESS TAPERED INSULATION OVER EXISTING MOD. BIT. ROOFING FOR A FINAL SLOPE OF 1/4" PER FOOT.
- B2 INSTALL NEW MECHANICAL UNIT AND CURB. REFER TO MECHANICAL DRAWINGS.
- B3 BUILD NEW STEEL MAINTENANCE PLATFORM FOR HVAC EQUIPMENT. REFER TO STRUCTURAL DRAWINGS.
- B4 REPAIR DAMAGED FASCIA AND GUTTERS.
- B5 INSTALL NEW PAINTED STEEL ROOF ACCESS LADDER. LADDER TO BE DELEGATED DESIGN BY CONTRACTOR'S SELECTED ENGINEER AND SUBMITTED TO ARCHITECT FOR APPROVAL. SEE 108 110 21.
- B6 INSTALL NEW 2-PART METAL FLASHING EXPANSION JOINT COVER.
- B7 INSTALL NEW FACTORY FINISHED METAL PARAPET CAP. SEE DETAIL 42.18.
- B8 INSTALL NEW PREFINISHED METAL GUTTER AND DOWNSPOUT WITH CONCRETE SPLASH BLOCK. SEE DETAIL 62.18.
- B9 RAISE EXISTING ROOF DRAINS AND EXISTING OVERFLOW ROOF DRAINS AS REQUIRED FOR NEW ROOF THICKNESS.
- B10 EXISTING SHINGLE ROOF TO REMAIN.
- B11 RAISE/INSTALL NEW EQUIPMENT CURB.
- B12 NEW EXHAUST FAN, MIN. FLASHING HEIGHT 14". REFER TO MECHANICAL DRAWINGS.
- B13 EXISTING RELIEF FAN TO REMAIN. RAISE/INSTALL NEW CURB.
- B14 NEW GAS LINE ON PIPE SUPPORTS. PAINT YELLOW. REFER TO MECHANICAL DRAWINGS.
- B15 NEW CANOPY TOP 2-PLY MOD. BIT. ROOFING ON 1/2" COVER BOARD ON TAPERED INSULATION. APPLY LIQUID RESIN FLASHING AT THE ROOF SUPPORT AND ROOF MEMBRANE INTERFACE.
- B16 CUT-IN NEW OVERFLOW SCUPPER SIZED 16"W. X 8" H. RAISED 2" ABOVE PRIMARY SCUPPER.
- B17 INSTALL NEW SAFETY RAILINGS. EXTEND 30" BEYOND EACH END OF ADJACENT HVAC UNIT.
- B18 INSTALL NEW RTU AND NEW TALLER EQUIPMENT CURB. SEE MECHANICAL DRAWINGS.
- B19 EXISTING SCUPPER TO REMAIN. SEE DETAILS 243/2.20. COPY EXISTING CONDUCTOR WITH PRE-FINISHED METAL CONDUCTOR AND DOWNSPOUT.
- B20 INSTALL NEW ROOF HATCH GUARD RAILING. SEE SPECIFICATIONS/PROJECT MANUAL.
- B21 INSTALL NEW ROOF HATCH.
- B22 EXISTING SCUPPER NOTCH IN CANOPY.
- B23 NEW COOLING TOWER. SEE STRUCTURAL AND MECHANICAL DRAWINGS.
- B24 RAISE EXISTING ROOF HATCH TO HAVE MIN. 16" FLASHING HEIGHT ABOVE NEW ROOF SURFACE.

**ROOF SCHEDULE**

Mark	Area	Description	Comments
A1	9,892 SF		
A2	3,307 SF		
A3	140 SF		
A4	140 SF		
B1	10,445 SF		
B2	8,018 SF		
B3	1,827 SF		
C1	13,374 SF		
C2	2,161 SF		
C3	2,810 SF		
D1	11,235 SF		
D2	437 SF		



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**DEMOLITION ROOF PLAN GENERAL NOTES:**

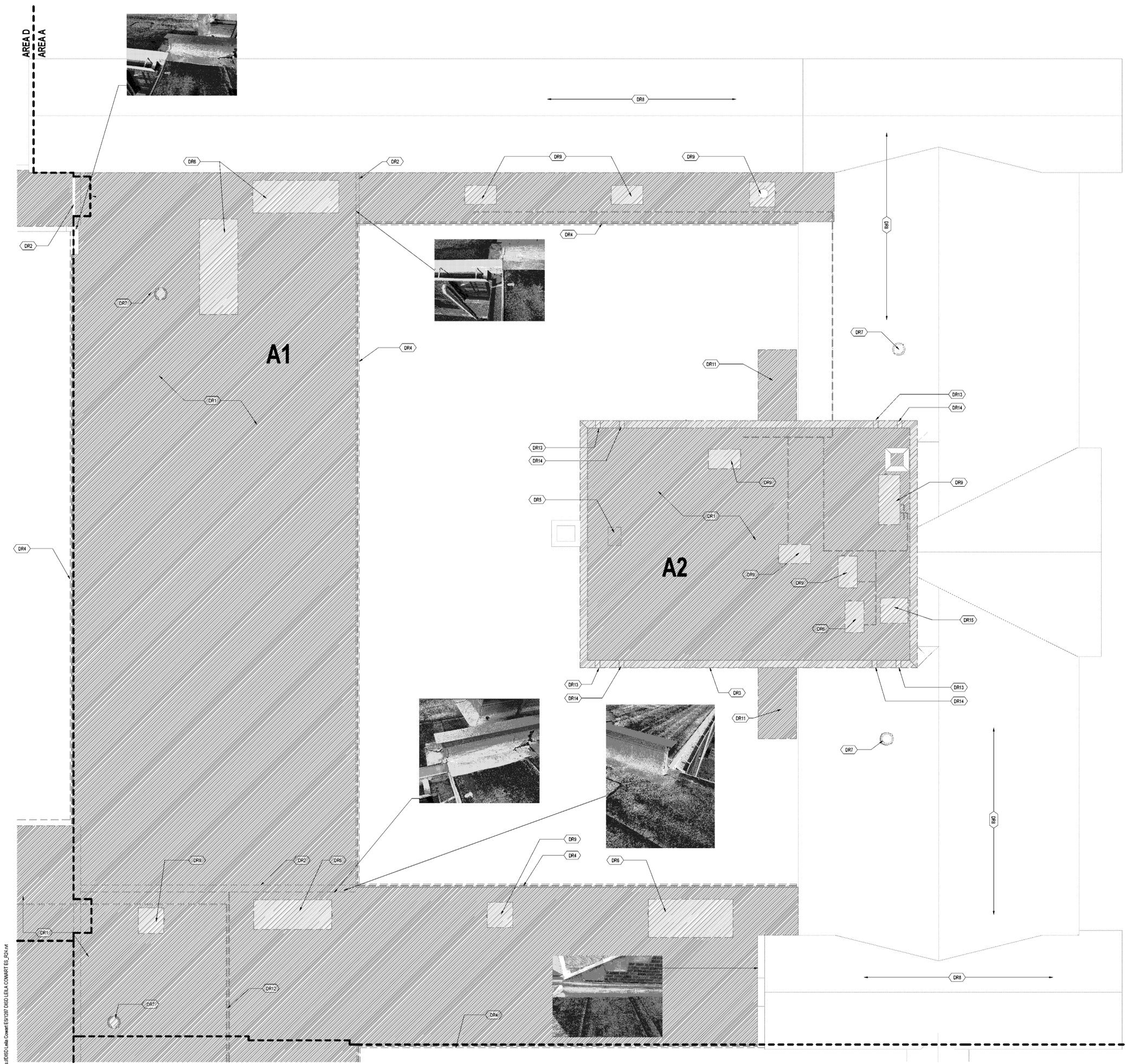
- A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO BID.
- B. EXAMINE AND PREPARE THE EXISTING ROOF SYSTEM TO MEET THE ROOF MANUFACTURER'S REQUIREMENTS AS A SUITABLE SUBSTRATE FOR THE NEW ROOFING. (DECK IS NOT REVEALED)
- C. ALL EXISTING PITCH PANS AND EQUIPMENT RAILS ARE TO BE REMOVED AND REPLACED WITH BOX EQUIPMENT CURBS.
- D. EXISTING ROOF HAS BEEN CORED. ALL AREAS ARE STEEL STRUCTURE WITH METAL DECK SLOPING AT 1/8" PER FOOT WITH ROOFING COMPOSED OF GRANULAR SURFACED MODIFIED BITUMEN ROOFING SYSTEM WITH ALUMINUM FOIL FLASHING. (CONTRACTOR TO VERIFY)
- E. REMOVE ALL PLAIN WIRING AND FLEXIBLE CONDUIT AND REPLACE WITH RIGID CONDUIT. ALL CONDUIT IS TO RUN TO "VAULTS" AND NOT PENETRATE THE ROOF DIRECTLY.
- F. REMOVE ALL ROOF RELATED SHEET METAL, COPINGS, FLASHING AND COUNTER FLASHING AND REPLACE WITH NEW AS NOTED IN DRAWINGS AND DETAILS.
- G. ALL EXISTING PIPING/CONDUIT PRESENT SHALL BE ROUTED INTO HARD PIPE TO ALLOW FOR THE INSTALLATION OF RESIN FLASHING.

**DEMOLITION ROOF PLAN NOTES BY NUMBER**

- DR1 CLEAN AND PREPARE EXISTING GRANULAR MOD. BIT. SYSTEM PER MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ROOF RECOVERY SYSTEM. REMOVE ALL ALUMINUM FOIL FACED FLASHING.
- DR2 REMOVE EXISTING EXPANSION JOINT COVER AND REPLACE WITH NEW METAL EXPANSION JOINT COVER.
- DR3 REMOVE EXISTING METAL PARAPET CAP AND REPLACE WITH NEW PARAPET METAL CAP.
- DR4 REMOVE EXISTING GUTTER AND DOWNSPOUTS AND PREPARE FOR NEW METAL GUTTER. DOWNSPOUTS THAT ROUTE UNDERGROUND ARE TO BE CAPPED 6" BELOW THE SURFACE AND COVERED OVER WITH SOIL.
- DR5 REMOVE PORTION OF EXISTING ROOF AS REQUIRED FOR INSTALLATION OF NEW ROOF HATCH SET ON 3'X3' 1/4" FRAME WELDED TO ROOF FRAMING.
- DR6 REMOVE AND REPLACE EXISTING CURB AND EXISTING MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
- DR7 REMOVE AND REPLACE EXISTING EXHAUST FAN AND CURB WHERE PRESENT. REFER TO MECHANICAL DRAWINGS.
- DR8 EXISTING ASPHALT SHINGLE ROOF TO REMAIN.
- DR9 EXISTING RTU/AMU/MECHANICAL UNIT TO REMAIN. REMOVE EXISTING CURB AND REPLACE WITH NEW CURB ALLOWING FOR 1/4" FLASHING HEIGHT ABOVE NEW ROOF SYSTEM.
- DR10 REMOVE EXISTING ROOF HATCH AND REPLACE AFTER RAISING EXISTING CURB.
- DR11 REMOVE EXISTING POLYURETHANE FOAM ROOF SYSTEM DOWN TO DECK.
- DR12 DEMOLISH EXISTING GAS LINE. REFER TO MECHANICAL SHEETS.
- DR13 EXISTING SCUPPER TO REMAIN. REMOVE EXISTING FLASHING AND PREPARE FOR NEW FLASHING.
- DR14 REMOVE EXISTING BRICK AND PORTION OF EXISTING WALL AS REQUIRED TO INSTALL A NEW OVERFLOW SCUPPER WITH 1/4" ABOVE NEW ROOF SURFACE HEIGHT.
- DR15 EXISTING AIR INTAKE TO REMAIN. RAISE CURB TO ACCOMMODATE NEW ROOF SYSTEM. MIN 1/4" FLASHING HEIGHT.
- DR16 REMOVE AND REPLACE EXISTING COOLING TOWER. SEE MECHANICAL SHEETS.

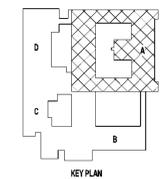
**DEMOLITION ROOF LEGEND**

	EXISTING TO REMAIN
	GUTTERS, PARAPET CAP, EXPANSION JOINT COVERS, ETC. TO BE REMOVED
	ELEMENT TO BE DEMOLISHED OR MODIFIED
	EXISTING OVERFLOW DRAIN
	EXISTING ROOF DRAIN



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AREA A  
 AREA B

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DEMOLITION ROOF PLAN - AREA A

2.14A

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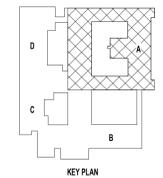
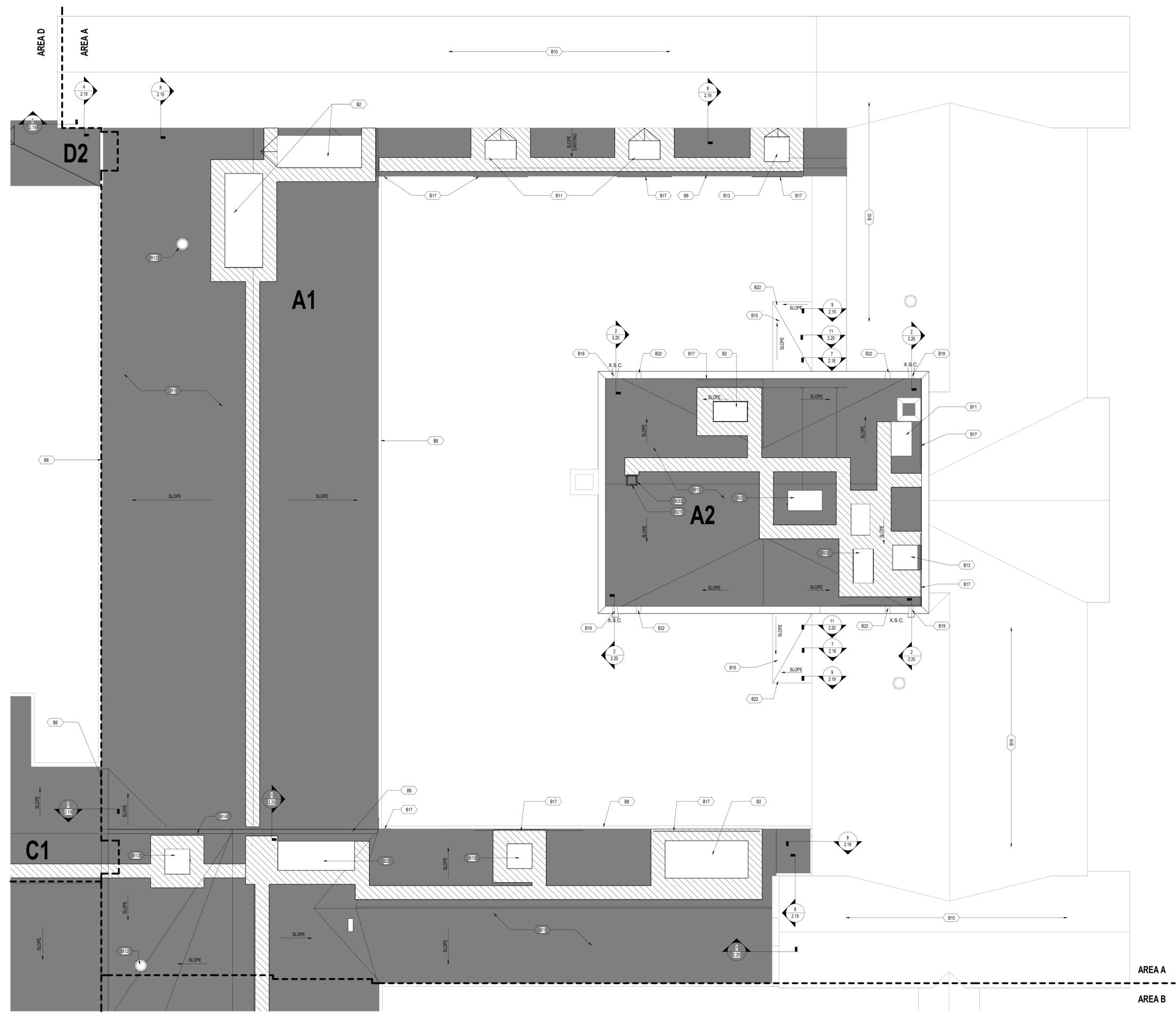
- A. AT ANY EXISTING ROOF AREA STILL UNDER WARRANTY, ALL WORK SHALL BE COMPLETED BY A CONTRACTOR ACCREDITED TO THAT WARRANTY.
- B. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR INSTALLATION AND CURB DETAILS FOR ME.
- C. EQUIPMENT MOUNTED ON ROOF. NOT ALL ITEMS ARE NECESSARILY SHOWN ON THIS ROOF PLAN.
- D. PROVIDE WALK TREADS AROUND ROOF HATCH AND ROOF MOUNTED EQUIPMENT.
- E. PROVIDE 2" X 2" SQUARE LEAD FLASHING OF 2 1/2" LBS/SF MIN. PRIMED AND SET IN MASTIC AT ALL ROOF DRAINS AND OVERFLOW DRAINS PER NCRA RECOMMENDATIONS.
- F. ALL MECHANICAL EQUIPMENT SHOWN ON THE ROOF PLAN IS SHOWN FOR COORDINATION. QUANTITIES AND EXACT LOCATION OF ALL EQUIPMENT SHALL BE PROPERLY COORDINATED PRIOR TO INSTALLATION AS REQUIRED AND FIELD VERIFIED.
- G. ALL PIPE, VENTS THROUGH ROOF, CONDUIT, EQUIPMENT SUPPORT, BUILDING MAINTENANCE TIE, BACK ANCHOR PENETRATIONS SHALL BE FLASHED PER DETAILS AND ROOFING MANUFACTURER'S WRITTEN AND DRAWN INSTRUCTIONS.
- I. ALL FLASHING TO BE 14" MINIMUM ABOVE ROOF WHETHER AT WALLS, CURBS OR ANY OTHER LOCATION, U.N.O.
- J. REPAIR DAMAGED WOOD FASCIAS AND SOFFITS PRIOR TO PAINTING.
- K. UNBLOCK ALL DOWNSPOUTS AND DRAINS BEYOND

**ROOF PLAN SYMBOLS LEGEND**

- X.R.D. EXISTING ROOF DRAIN
- X.O.D. EXISTING OVERFLOW DRAIN
- X.S.C. EXISTING ROOF SCUPPER
- X.O.S. EXISTING OVERFLOW SCUPPER
- DIRECTION OF DOWN SLOPE, MINIMUM SLOPE 1/4" FT. TO DRAIN
- CRICKET, MINIMUM NET SLOPE 1/2" FT. TO DRAIN
- NEW WALKWAY PADS
- NEW 2-PLY MOD. BIT. ROOFING, INCLUDING R-25 TAPERED INSULATION WITH 1/2" COVERBOARD.

**ROOF PLAN NOTES BY NUMBER**

- B1. INSTALL NEW 2-PLY MOD. BIT. ROOFING ON 1/2" PROTECTION BOARD ON 1 1/2" STARTING THICKNESS TAPERED INSULATION OVER EXISTING MOD BIT. ROOFING, FOR A FINAL SLOPE OF 1/4" PER FOOT.
- B2. INSTALL NEW MECHANICAL UNIT AND CURB, REFER TO MECHANICAL DRAWINGS.
- B3. BUILD NEW STEEL MAINTENANCE PLATFORM FOR HVAC EQUIPMENT, REFER TO STRUCTURAL DRAWINGS.
- B4. REPAIR DAMAGED FASCIA AND GUTTERS.
- B5. INSTALL NEW PAINTED STEEL ROOF ACCESS LADDER. LADDER TO BE DELEGATED DESIGN BY CONTRACTOR'S SELECTED ENGINEER AND SUBMITTED TO ARCHITECT FOR APPROVAL. SEE 10/11/23.
- B6. INSTALL NEW 2-PART METAL FLASHING EXPANSION JOINT COVER.
- B7. INSTALL NEW FACTORY FINISHED METAL PARAPET CAP. SEE DETAIL 402.18.
- B8. INSTALL NEW PREFINISHED METAL GUTTER AND DOWNSPOUT WITH CONCRETE SPLASH BLOCK. SEE DETAIL 602.18.
- B9. RAISE EXISTING ROOF DRAINS AND EXISTING OVERFLOW ROOF DRAINS AS REQUIRED FOR NEW ROOF THICKNESS.
- B10. EXISTING SHINGLE ROOF TO REMAIN.
- B11. RAISE/INSTALL NEW EQUIPMENT CURB.
- B12. NEW EXHAUST FAN MIN. FLASHING HEIGHT 14". REFER TO MECHANICAL DRAWINGS.
- B13. EXISTING RELIEF FAN TO REMAIN, RAISE/INSTALL NEW CURB.
- B14. NEW GAS LINE ON PIPE SUPPORTS, PAINT YELLOW, REFER TO MECHANICAL DRAWINGS.
- B15. NEW CANOPY TOP 2-PLY MOD. BIT. ROOFING ON 1/2" COVER BOARD ON TAPERED INSULATION, APPLY LIQUID RESIN FLASHING AT THE ROOF SUPPORT AND ROOF/MEMBRANE INTERFACE.
- B16. CUT-IN NEW OVERFLOW SCUPPER SIZED 16"W. X 8"H. RAISED 2" ABOVE PRIMARY SCUPPER.
- B17. INSTALL NEW SAFETY RAILINGS, EXTEND 30" BEYOND EACH END OF ADJACENT HVAC UNIT.
- B18. INSTALL NEW RTU AND NEW TALLER EQUIPMENT CURB. SEE MECHANICAL DRAWINGS.
- B19. EXISTING SCUPPER TO REMAIN. SEE DETAILS 2432.20. COPY EXISTING CONDUCTOR WITH PRE-FINISHED METAL CONDUCTOR AND DOWNSPOUT.
- B20. INSTALL NEW ROOF HATCH GUARD RAILING. SEE SPECIFICATIONS/PROJECT MANUAL.
- B21. INSTALL NEW ROOF HATCH.
- B22. EXISTING SCUPPER NOTCH IN CANOPY.
- B23. NEW COOLING TOWER. SEE STRUCTURAL AND MECHANICAL DRAWINGS.
- B24. RAISE EXISTING ROOF HATCH TO HAVE MIN. 16" FLASHING HEIGHT ABOVE NEW ROOF SURFACE.



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



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ONE INCH REVISIONS:



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DEMOLITION ROOF PLAN - AREA B  
 2.15A

AREA A  
 AREA B

DEMOLITION ROOF PLAN GENERAL NOTES:

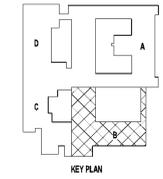
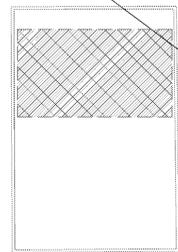
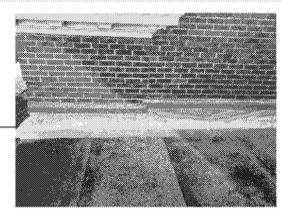
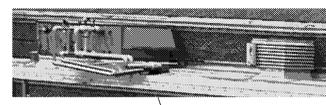
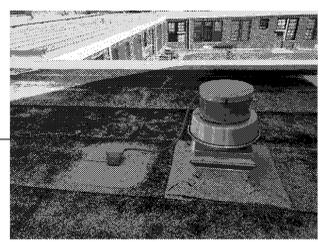
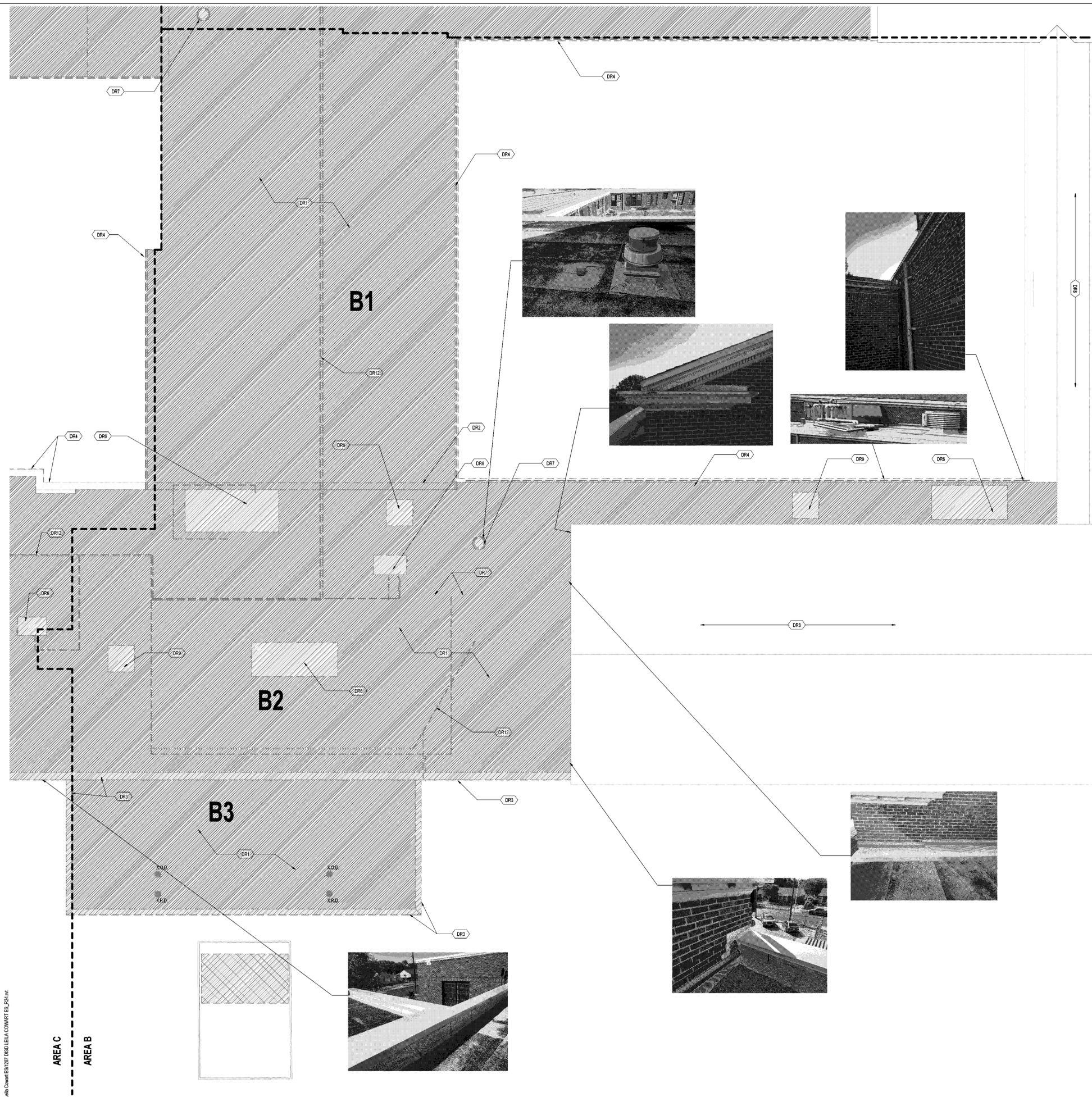
- A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO BID.
- B. EXAMINE AND PREPARE THE EXISTING ROOF SYSTEM TO MEET THE ROOF MANUFACTURER'S REQUIREMENTS AS A SUITABLE SUBSTRATE FOR THE NEW ROOFING. (DECK IS NOT REVEALED)
- C. ALL EXISTING PITCH PANS AND EQUIPMENT RAILS ARE TO BE REMOVED AND REPLACED WITH BOX EQUIPMENT CURBS.
- D. EXISTING ROOF HAS BEEN CORDED. ALL AREAS ARE STEEL STRUCTURE WITH METAL DECK SLOPING AT 1/8" PER FOOT WITH ROOFING COMPOSED OF GRANULAR SURFACED MODIFIED BITUMEN ROOFING SYSTEM WITH ALUMINUM FOIL FLASHING. (CONTRACTOR TO VERIFY)
- E. REMOVE ALL PLAIN WIRING AND FLEXIBLE CONDUIT AND REPLACE WITH RIGID CONDUIT. ALL CONDUIT IS TO RUN TO "VALTS" AND NOT PENETRATE THE ROOF DIRECTLY.
- F. REMOVE ALL ROOF RELATED SHEET METAL, COPINGS, FLASHING AND COUNTER FLASHING AND REPLACE WITH NEW AS NOTED IN DRAWINGS AND DETAILS.
- G. ALL EXISTING PIPING/CONDUIT PRESENT SHALL BE ROUTED INTO HARD PIPE TO ALLOW FOR THE INSTALLATION OF RESIN FLASHING.

DEMOLITION ROOF PLAN NOTES BY NUMBER

- DR1 CLEAN AND PREPARE EXISTING GRANULAR MOD. BIT. SYSTEM PER MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ROOF RECOVERY SYSTEM. REMOVE ALL ALUMINUM FOIL FACED FLASHING.
- DR2 REMOVE EXISTING EXPANSION JOINT COVER AND REPLACE WITH NEW METAL EXPANSION JOINT COVER.
- DR3 REMOVE EXISTING METAL PARAPET CAP AND REPLACE WITH NEW PARAPET METAL CAP.
- DR4 REMOVE EXISTING GUTTER AND DOWNSPOUTS AND PREPARE FOR NEW METAL GUTTER. DOWNSPOUTS THAT ROUTE UNDERGROUND ARE TO BE CAPPED 6" BELOW THE SURFACE AND COVERED OVER WITH SOL.
- DR5 REMOVE PORTION OF EXISTING ROOF AS REQUIRED FOR INSTALLATION OF NEW ROOF HATCH SET ON L3"x3"x1/2" FRAME, WELD TO ROOF FRAMING.
- DR6 REMOVE AND REPLACE EXISTING CURB AND EXISTING MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
- DR7 REMOVE AND REPLACE EXISTING EXHAUST FAN AND CURB WHERE PRESENT. REFER TO MECHANICAL DRAWINGS.
- DR8 EXISTING ASPHALT SHINGLE ROOF TO REMAIN. REMOVE EXISTING CURB AND REPLACE WITH NEW CURB ALLOWING FOR 1" FLASHING HEIGHT ABOVE NEW ROOF SYSTEM.
- DR9 EXISTING RTU/MECHANICAL UNIT TO REMAIN. REMOVE EXISTING CURB AND REPLACE WITH NEW CURB ALLOWING FOR 1" FLASHING HEIGHT ABOVE NEW ROOF SYSTEM.
- DR10 REMOVE EXISTING ROOF HATCH AND REPLACE AFTER RAISING EXISTING CURB.
- DR11 REMOVE EXISTING POLYURETHANE FOAM ROOF SYSTEM DOWN TO DECK.
- DR12 DEMOLISH EXISTING GAS LINE. REFER TO MECHANICAL SHEETS.
- DR13 EXISTING SCUPPER TO REMAIN. REMOVE EXISTING FLASHING AND PREPARE FOR NEW FLASHING.
- DR14 REMOVE EXISTING BRICK AND PORTION OF EXISTING WALLS REQUIRED TO INSTALL A NEW OVERFLOW SCUPPER ABOVE NEW ROOF SURFACE HEIGHT.
- DR15 EXISTING AIR INTAKE TO REMAIN. RAISE CURB TO ACCOMMODATE NEW ROOF SYSTEM, MIN 1" FLASHING HEIGHT.
- DR16 REMOVE AND REPLACE EXISTING COOLING TOWER. SEE MECHANICAL SHEETS.

DEMOLITION ROOF LEGEND

	EXISTING TO REMAIN
	GUTTERS, PARAPET CAP, EXPANSION JOINT COVERS, ETC. TO BE REMOVED
	ELEMENT TO BE DEMOLISHED OR MODIFIED
	EXISTING OVERFLOW DRAIN
	EXISTING ROOF DRAIN



Autodesk Docs (iBIDD) with Comment E59/2507 DSD LEILA COWART ES\_2024.rvt

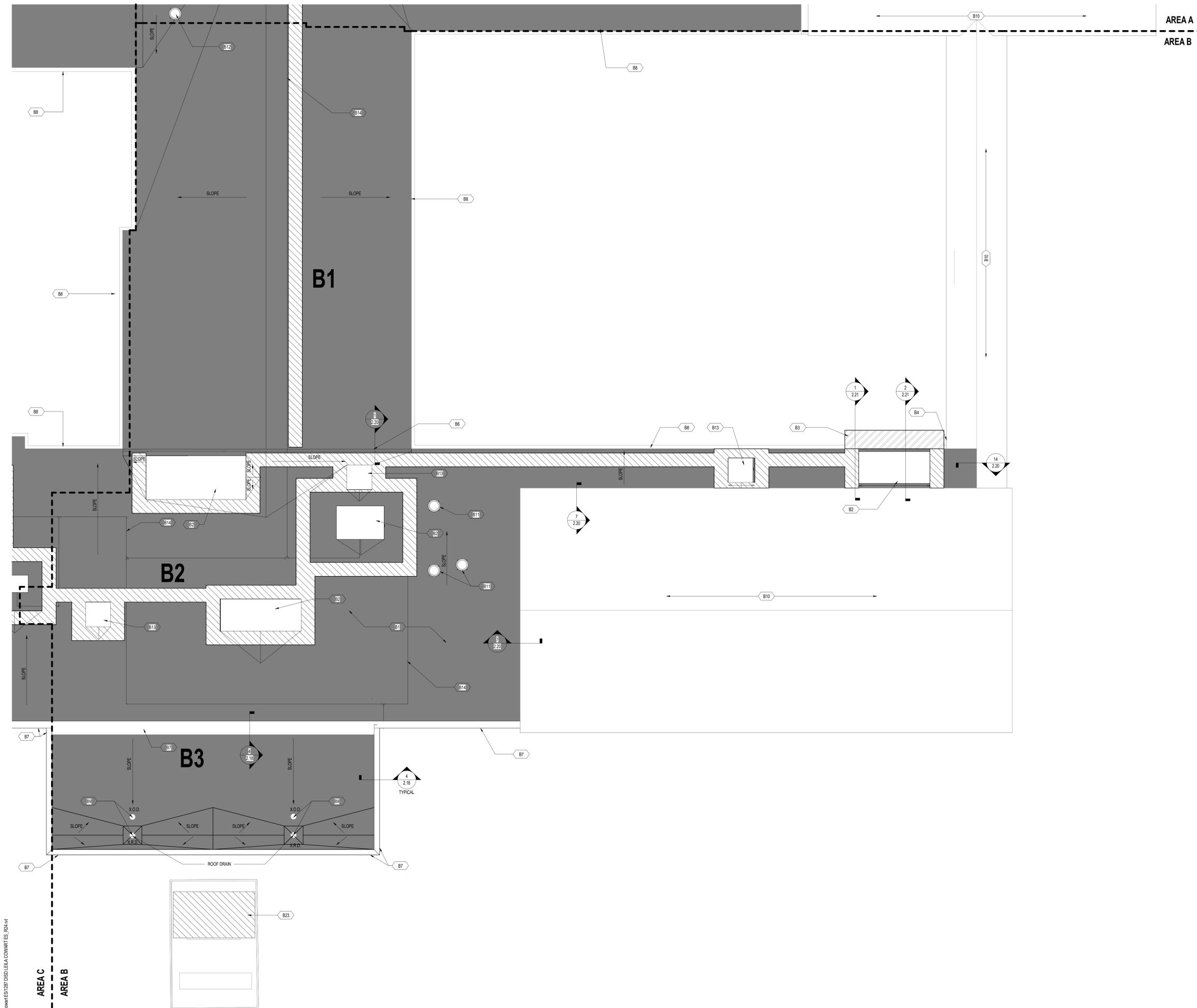
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**ROOF PLAN GENERAL NOTES:**

- A. AT ANY EXISTING ROOF AREA STILL UNDER WARRANTY, ALL WORK SHALL BE COMPLETED BY A CONTRACTOR ACCREDITED TO THAT WARRANTY.
- B. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR INSTALLATION AND CURB DETAILS FOR MP.
- C. EQUIPMENT MOUNTED ON ROOF NOT ALL ITEMS ARE NECESSARILY SHOWN ON THIS ROOF PLAN.
- D. ALL CURBS MUST BE 1'-0" TALL MIN. ABOVE ROOF LEVEL.
- E. PROVIDE WALK TREADS AROUND ROOF HATCH AND ROOF MOUNTED EQUIPMENT.
- F. PROVIDE 2'-0" X 2'-0" SQUARE LEAD FLASHING OF 2 1/2" LESSER MIN. PRIME AND SET IN MASTIC AT ALL ROOF DRAINS AND OVERFLOW DRAINS PER NCR RECOMMENDATIONS.
- G. ALL MECHANICAL EQUIPMENT SHOWN ON THE ROOF PLAN IS SHOWN FOR COORDINATION. QUANTITIES AND EXACT LOCATION OF ALL EQUIPMENT SHALL BE PROPERLY COORDINATED PRIOR TO INSTALLATION AS REQUIRED AND FIELD VERIFIED.
- H. ALL PIPE, VENTS THROUGH ROOF, CONDUIT, EQUIPMENT SUPPORT, BUILDING MAINTENANCE TIE, BACK ANCHOR PENETRATIONS SHALL BE FLASHED PER DETAILS AND ROOFING MANUFACTURER'S WRITTEN AND DRAWN INSTRUCTIONS.
- I. ALL FLASHING TO BE 1" MINIMUM ABOVE ROOF.
- J. REPAIR DAMAGED WOOD FASCIAS AND SOFFITS PRIOR TO PAINTING.
- K. UNOCLOG ALL DOWNSPOUTS AND DRAINS BEYOND

**ROOF PLAN SYMBOLS LEGEND**

- X.R.D. EXISTING ROOF DRAIN
- X.O.D. EXISTING OVERFLOW DRAIN
- X.S.C. EXISTING ROOF SCUPPER
- X.O.S. EXISTING OVERFLOW SCUPPER
- DIRECTION OF DOWN SLOPE. MINIMUM SLOPE 1/4" FT. TO DRAIN
- CRICKET. MINIMUM NET SLOPE 1/2" FT. TO DRAIN
- NEW WALKWAY PADS
- NEW 2-PLY MOD. BIT. ROOFING, INCLUDING R-25 TAPERED INSULATION WITH 1/2" COVERBOARD.

**ROOF PLAN NOTES BY NUMBER**

- B1 INSTALL NEW 2-PLY MOD. BIT. ROOFING ON 1/2" PROTECTION BOARD ON 1.5" STARTING THICKNESS TAPERED INSULATION OVER EXISTING MOD. BIT. ROOFING FOR A FINAL SLOPE OF 1/4" PER FOOT.
- B2 INSTALL NEW MECHANICAL UNIT AND CURB. REFER TO MECHANICAL DRAWINGS.
- B3 BUILD NEW STEEL MAINTENANCE PLATFORM FOR HVAC EQUIPMENT. REFER TO STRUCTURAL DRAWINGS.
- B4 REPAIR DAMAGED FASCIA AND GUTTERS.
- B5 INSTALL NEW PAINTED STEEL ROOF ACCESS LADDER. LADDER TO BE DELEGATED DESIGN BY CONTRACTOR'S SELECTED ENGINEER AND SUBMITTED TO ARCHITECT FOR APPROVAL. SEE 108112.21
- B6 INSTALL NEW 2-PART METAL FLASHING EXPANSION JOINT COVER.
- B7 INSTALL NEW FACTORY FINISHED METAL PARAPET CAP. SEE DETAIL 42.18
- B8 INSTALL NEW PREFINISHED METAL GUTTER AND DOWNSPOUT WITH CONCRETE SPLASH BLOCK. SEE DETAIL 62.18
- B9 RAISE EXISTING ROOF DRAINS AND EXISTING OVERFLOW ROOF DRAINS AS REQUIRED FOR NEW ROOF THICKNESS.
- B10 EXISTING SHINGLE ROOF TO REMAIN.
- B11 RAISE/INSTALL NEW EQUIPMENT CURB.
- B12 NEW EXHAUST FAN. MIN. FLASHING HEIGHT 1'. REFER TO MECHANICAL DRAWINGS.
- B13 EXISTING RELIEF FAN TO REMAIN. RAISE/INSTALL NEW CURB.
- B14 NEW GAS LINE ON PIPE SUPPORTS. PAINT YELLOW. REFER TO MECHANICAL DRAWINGS.
- B15 NEW CANOPY TOP 2-PLY MOD. BIT. ROOFING ON 1/2" COVER BOARD ON TAPERED INSULATION. APPLY LIQUID RESIN FLASHING AT THE ROOF SUPPORT AND ROOF MEMBRANE INTERFERENCE.
- B16 CUT-IN NEW OVERFLOW SCUPPER SIZED 16"W. X 8" H. RAISED 2" ABOVE PRIMARY SCUPPER.
- B17 INSTALL NEW SAFETY RAILINGS. EXTEND 30" BEYOND EACH END OF ADJACENT HVAC UNIT.
- B18 INSTALL NEW RTU AND NEW TALLER EQUIPMENT CURB. SEE MECHANICAL DRAWINGS.
- B19 EXISTING SCUPPER TO REMAIN. SEE DETAILS 283.20. COPY EXISTING CONDUCTOR WITH PRE-FINISHED METAL CONDUCTOR AND DOWNSPOUT.
- B20 INSTALL NEW ROOF HATCH GUARD RAILING. SEE SPECIFICATIONS PROJECT MANUAL.
- B21 INSTALL NEW ROOF HATCH.
- B22 EXISTING SCUPPER NOTCH IN CANOPY.
- B23 NEW COOLING TOWER. SEE STRUCTURAL AND MECHANICAL DRAWINGS.
- B24 RAISE EXISTING ROOF HATCH TO HAVE MIN. 16" FLASHING HEIGHT ABOVE NEW ROOF SURFACE.

Autodesk Docs: D:\SDS\leba\Comm\ES\2517\DISD-LEILA COWART ES\_R24.rvt

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



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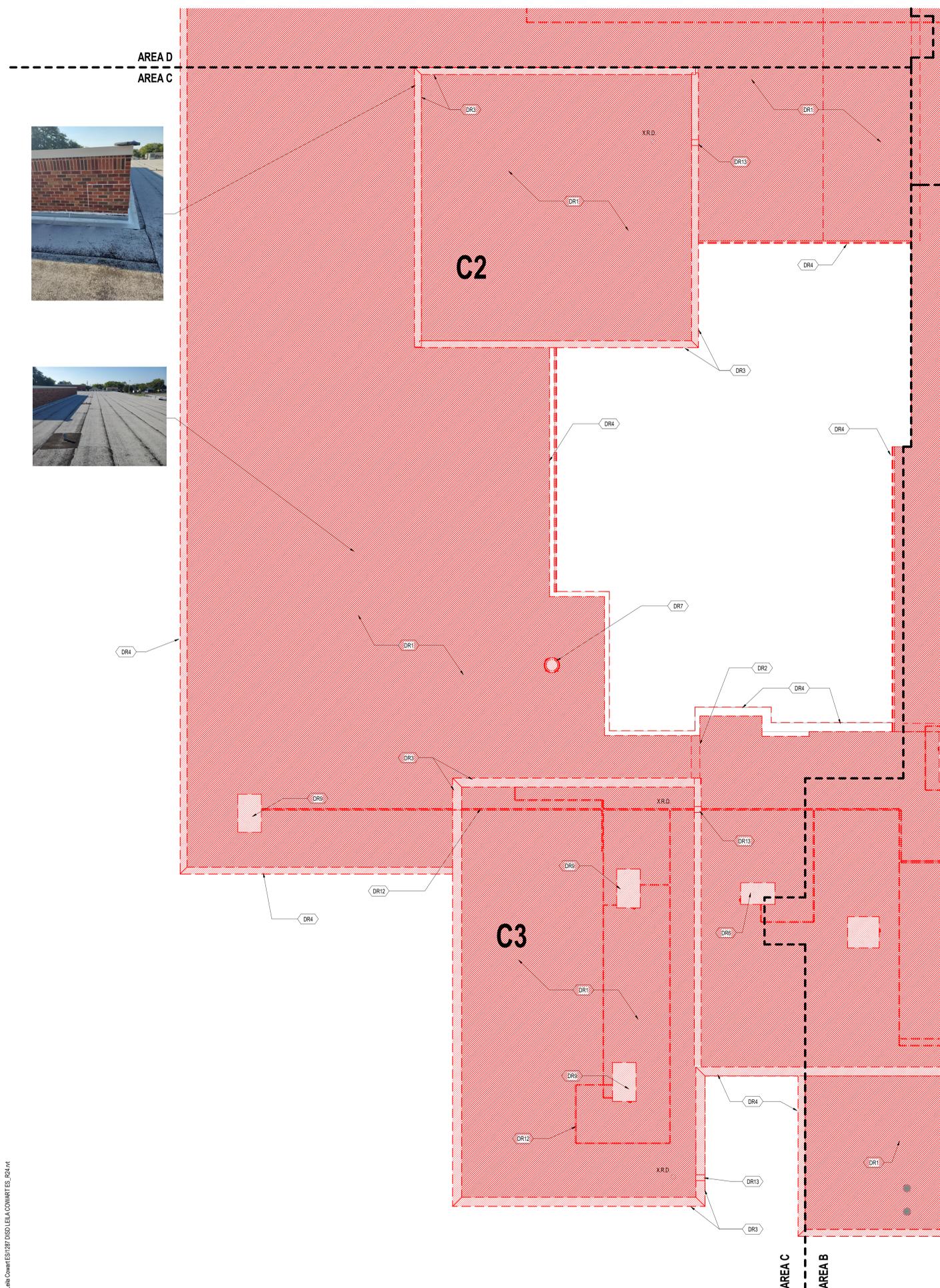
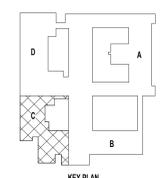
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- DR5 REMOVE PORTION OF EXISTING ROOF AS REQUIRED FOR INSTALLATION OF NEW ROOF HATCH SET ON L3"X3" 1/4" FRAME, WELD TO ROOF FRAMING.
- DR6 REMOVE AND REPLACE EXISTING CURB AND EXISTING MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
- DR7 REMOVE AND REPLACE EXISTING EXHAUST FAN AND CURB WHERE PRESENT. REFER TO MECHANICAL DRAWINGS.
- DR8 EXISTING ASPHALT SHINGLE ROOF TO REMAIN.
- DR9 EXISTING RTU/MECHANICAL UNIT TO REMAIN, REMOVE EXISTING CURB AND REPLACE WITH NEW CURB ALLOWING FOR 14" FLASHING HEIGHT ABOVE NEW ROOF SYSTEM.
- DR10 REMOVE EXISTING ROOF HATCH AND REPLACE AFTER RAISING CURB.
- DR11 REMOVE EXISTING POLYURETHANE FOAM ROOF SYSTEM DOWN TO DECK.
- DR12 DEMOLISH EXISTING GAS LINE. REFER TO MECHANICAL SHEETS.
- DR13 EXISTING SCUPPER TO REMAIN, REMOVE EXISTING FLASHING AND PREPARE FOR NEW FLASHING.
- DR14 REMOVE EXISTING BRICK AND PORTION OF EXISTING WALL AS REQUIRED TO INSTALL A NEW OVERFLOW SCUPPER WITH SCUPPER BOTTOM 2" ABOVE NEW ROOF SURFACE HEIGHT.
- DR15 EXISTING AIR INTAKE TO REMAIN. RAISE CURB TO ACCOMMODATE NEW FLOOR SYSTEM, MIN 14" FLASHING HEIGHT.
- DR16 REMOVE AND REPLACE EXISTING COOLING TOWER. SEE MECHANICAL SHEETS.

**DEMOLITION ROOF LEGEND**

	EXISTING TO REMAIN
	GUTTERS, PARAPET CAP, EXPANSION JOINT COVERS, ETC. TO BE REMOVED
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- C. EQUIPMENT MOUNTED ON ROOF, NOT ALL ITEMS ARE NECESSARILY SHOWN ON THIS ROOF PLAN.
- D. ALL CURBS MUST BE 1'-0" TALL MIN. ABOVE ROOF LEVEL.
- E. PROVIDE WALK TREADS AROUND ROOF HATCH AND ROOF MOUNTED EQUIPMENT.
- F. PROVIDE 2'-0" X 2'-0" SQUARE LEAD FLASHING OF 2 1/2" LBS/SF, MIN. PRIMED AND SET IN MASTIC AT ALL ROOF DRAINS AND OVERFLOW DRAINS PER MCRS RECOMMENDATIONS.
- G. ALL MECHANICAL EQUIPMENT SHOWN ON THE ROOF PLAN IS SHOWN FOR COORDINATION, QUANTITIES AND EXACT LOCATION OF ALL EQUIPMENT SHALL BE PROPERLY COORDINATED PRIOR TO INSTALLATION AS REQUIRED AND FIELD VERIFIED.
- H. ALL PIPE, VENTS THROUGH ROOF, CONDUIT, EQUIPMENT SUPPORT, BUILDING MAINTENANCE TIE, BACK ANCHOR PENETRATIONS SHALL BE FLASHED PER DETAILS AND ROOFING MANUFACTURER'S WRITTEN AND DRAWN INSTRUCTIONS.
- I. ALL FLASHING TO BE 1" MINIMUM ABOVE ROOF.
- J. REPAIR DAMAGED WOOD FASCIAS AND SOFFITS PRIOR TO PAINTING.
- K. UNCLOSE ALL DOWNSPOUTS AND DRAINS BEYOND

ROOF PLAN SYMBOLS LEGEND

- X.R.D. EXISTING ROOF DRAIN
- ⊙ X.O.D. EXISTING OVERFLOW DRAIN
- X.S.C. EXISTING ROOF SCUPPER
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- DIRECTION OF DOWN SLOPE, MINIMUM SLOPE 1/4" FT. TO DRAIN
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- ▨ NEW WALKWAY PADS
- ▨ NEW 2-PLY MOD. BIT. ROOFING, INCLUDING R-25 TAPERED INSULATION WITH 1/2" COVERBOARD

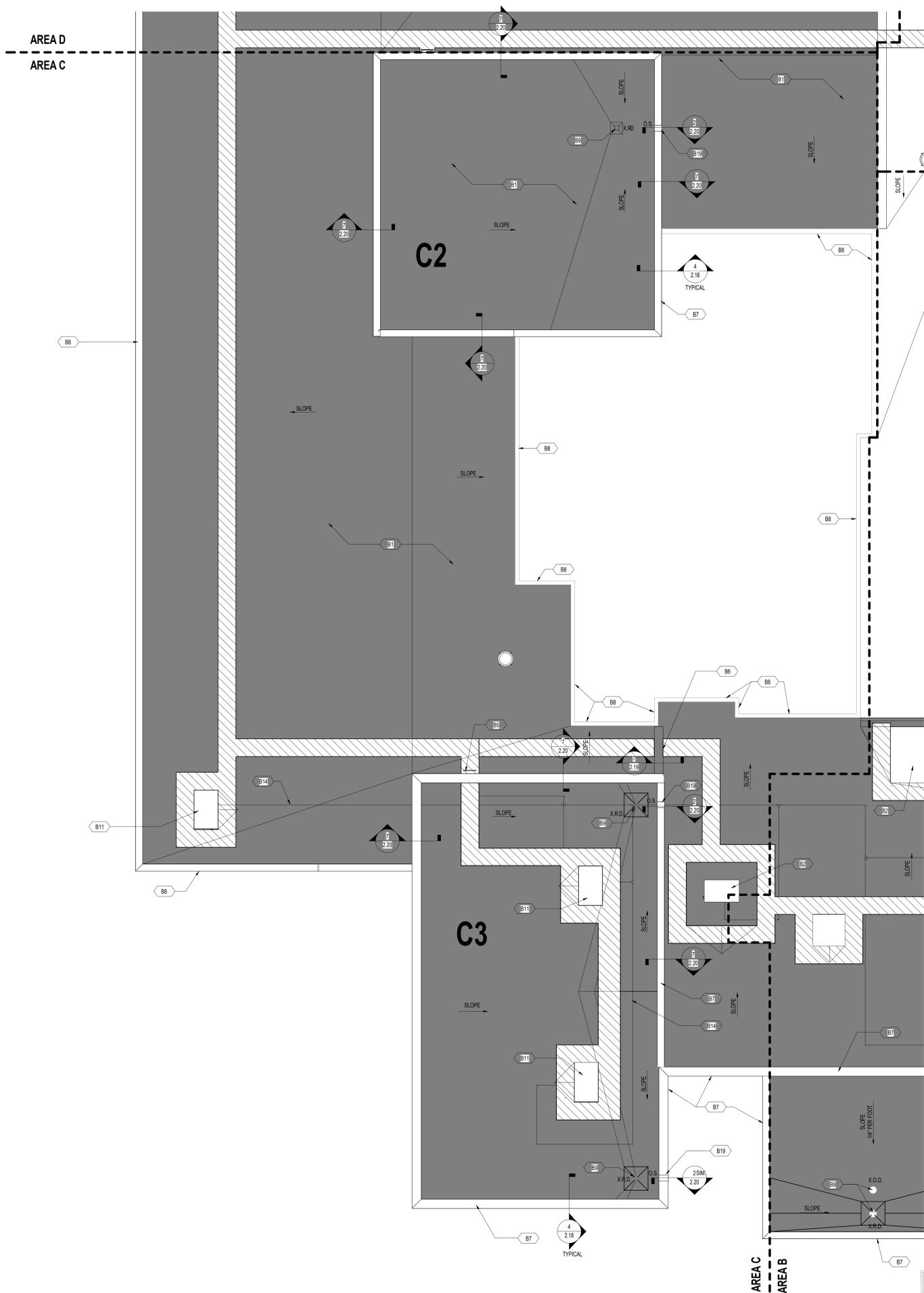
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- B2 INSTALL NEW MECHANICAL UNIT AND CURB, REFER TO MECHANICAL DRAWINGS.
- B3 BUILD NEW STEEL MAINTENANCE PLATFORM FOR HVAC EQUIPMENT, REFER TO STRUCTURAL DRAWINGS.
- B4 REPAIR DAMAGED FASCIA AND GUTTERS.
- B5 INSTALL NEW PAINTED STEEL ROOF ACCESS LADDER, LADDER TO BE DELEGATED DESIGN BY CONTRACTORS SELECTED ENGINEER AND SUBMITTED TO ARCHITECT FOR APPROVAL. SEE 108112.21
- B6 INSTALL NEW 2-PART METAL FLASHING EXPANSION JOINT COVER.
- B7 INSTALL NEW FACTORY FINISHED METAL PARAPET CAP. SEE DETAIL 42.18
- B8 INSTALL NEW PREFINISHED METAL GUTTER AND DOWNSPOUT WITH CONCRETE SPLASH BLOCK, SEE DETAIL 52.18
- B9 RAISE EXISTING ROOF DRAINS AND EXISTING OVERFLOW ROOF DRAINS AS REQUIRED FOR NEW ROOF THICKNESS.
- B10 EXISTING SHINGLE ROOF TO REMAIN.
- B11 RAISE/INSTALL NEW EQUIPMENT CURB.
- B12 NEW EXHAUST FAN, MIN. FLASHING HEIGHT 14". REFER TO MECHANICAL DRAWINGS.
- B13 EXISTING RELIEF FAN TO REMAIN, RAISE/INSTALL NEW CURB.
- B14 NEW GAS LINE ON PIPE SUPPORTS, PAINT YELLOW, REFER TO MECHANICAL DRAWINGS.
- B15 NEW CANOPY TOP 2-PLY MOD. BIT. ROOFING ON 1/2" COVER BOARD ON TAPERED INSULATION, 4" PLY LIQUID RESIN FLASHING AT TIE-ROD SUPPORT AND ROOF MEMBRANE INTERFACE.
- B16 CUT-AN NEW OVERFLOW SCUPPER SIZED 16"W. X 8" H. RAISED 2" ABOVE PRIMARY SCUPPER.
- B17 INSTALL NEW SAFFETY RAILINGS, EXTEND 3' BEYOND EACH END OF ADJACENT HVAC UNIT.
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1 ROOF PLAN - AREA C  
1/8" = 1'-0"



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**DEMOLITION ROOF PLAN GENERAL NOTES:**

- A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO BID.
- B. EXAMINE AND PREPARE THE EXISTING ROOF SYSTEM TO MEET THE ROOF MANUFACTURER'S REQUIREMENTS AS A SUITABLE SUBSTRATE FOR THE NEW ROOFING. (DECK IS NOT REVEALED).
- C. ALL EXISTING PITCH PANS AND EQUIPMENT TRAILS ARE TO BE REMOVED AND REPLACED WITH BOX EQUIPMENT CURBS.
- D. EXISTING ROOF HAS BEEN CORED. ALL AREAS ARE STEEL STRUCTURE WITH METAL DECK SLOPING AT 1/8" PER FOOT WITH ROOFING COMPOSED OF GRANULAR SURFACED MODIFIED BITUMEN ROOFING SYSTEM WITH ALUMINUM FOIL FLASHING. (CONTRACTOR TO VERIFY).
- E. REMOVE ALL PLAIN WIRING AND FLEXIBLE CONDUIT AND REPLACE WITH RIGID CONDUIT. ALL CONDUIT IS TO RUN TO "VAULTS" AND NOT PENETRATE THE ROOF DIRECTLY.
- F. REMOVE ALL ROOF RELATED SHEET METAL, COPINGS, FLASHING AND COUNTER FLASHING AND REPLACE WITH NEW AS NOTED IN DRAWINGS AND DETAILS.
- G. ALL EXISTING PIPING/CONDUIT PRESENT SHALL BE ROUTED INTO HARD PIPE TO ALLOW FOR THE INSTALLATION OF RESIN FLASHING.

**DEMOLITION ROOF PLAN NOTES BY NUMBER**

- DR1 CLEAN AND PREPARE EXISTING GRANULAR MOD BIT. SYSTEM PER MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ROOF RECOVERY SYSTEM. REMOVE ALL ALUMINUM FOIL FACED FLASHING.
- DR2 REMOVE EXISTING EXPANSION JOINT COVER AND REPLACE WITH NEW METAL EXPANSION JOINT COVER.
- DR3 REMOVE EXISTING METAL PARAPET CAP AND REPLACE WITH NEW PARAPET METAL CAP.
- DR4 REMOVE EXISTING GUTTER AND DOWNSPOUTS AND PREPARE FOR NEW METAL FASCIA WITH NEW METAL GUTTER. DOWNSPOUTS THAT ROUTE UNDERGROUND ARE TO BE CAPPED 6" BELOW THE SURFACE AND COVERED OVER WITH SOIL.
- DR5 REMOVE PORTION OF EXISTING ROOF AS REQUIRED FOR INSTALLATION OF NEW ROOF HATCH SET ON L3X3X1/4" FRAME, WELD TO ROOF FRAMING.
- DR6 REMOVE AND REPLACE EXISTING CURB AND EXISTING MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
- DR7 REMOVE AND REPLACE EXISTING EXHAUST FAN AND CURB WHERE PRESENT. REFER TO MECHANICAL DRAWINGS.
- DR8 EXISTING ASPHALT SHINGLE ROOF TO REMAIN.
- DR9 EXISTING RTU/MECHANICAL UNIT TO REMAIN. REMOVE EXISTING CURB AND REPLACE WITH NEW CURB ALLOWING FOR 14" FLASHING HEIGHT ABOVE NEW ROOF SYSTEM.
- DR10 REMOVE EXISTING ROOF HATCH AND REPLACE AFTER RAISING EXISTING CURB.
- DR11 REMOVE EXISTING POLYURETHANE FOAM ROOF SYSTEM DOWN TO DECK.
- DR12 DEMOLISH EXISTING GAS LINE. REFER TO MECHANICAL SHEETS.
- DR13 EXISTING SCUPPER TO REMAIN. REMOVE EXISTING FLASHING AND PREPARE FOR NEW FLASHING.
- DR14 REMOVE EXISTING BRICK AND PORTION OF EXISTING WALL AS REQUIRED TO INSTALL A NEW OVERFLOW SCUPPER ABOVE NEW ROOF SURFACE HEIGHT.
- DR15 EXISTING AIR INTAKE TO REMAIN. RAISE CURB TO ACCOMMODATE NEW ROOF SYSTEM. MIN 14" FLASHING HEIGHT.
- DR16 REMOVE AND REPLACE EXISTING COOLING TOWER. SEE MECHANICAL SHEETS.

**DEMOLITION ROOF LEGEND**

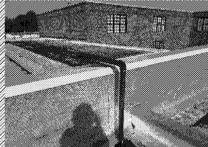
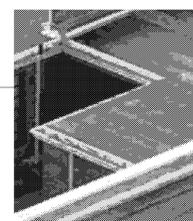
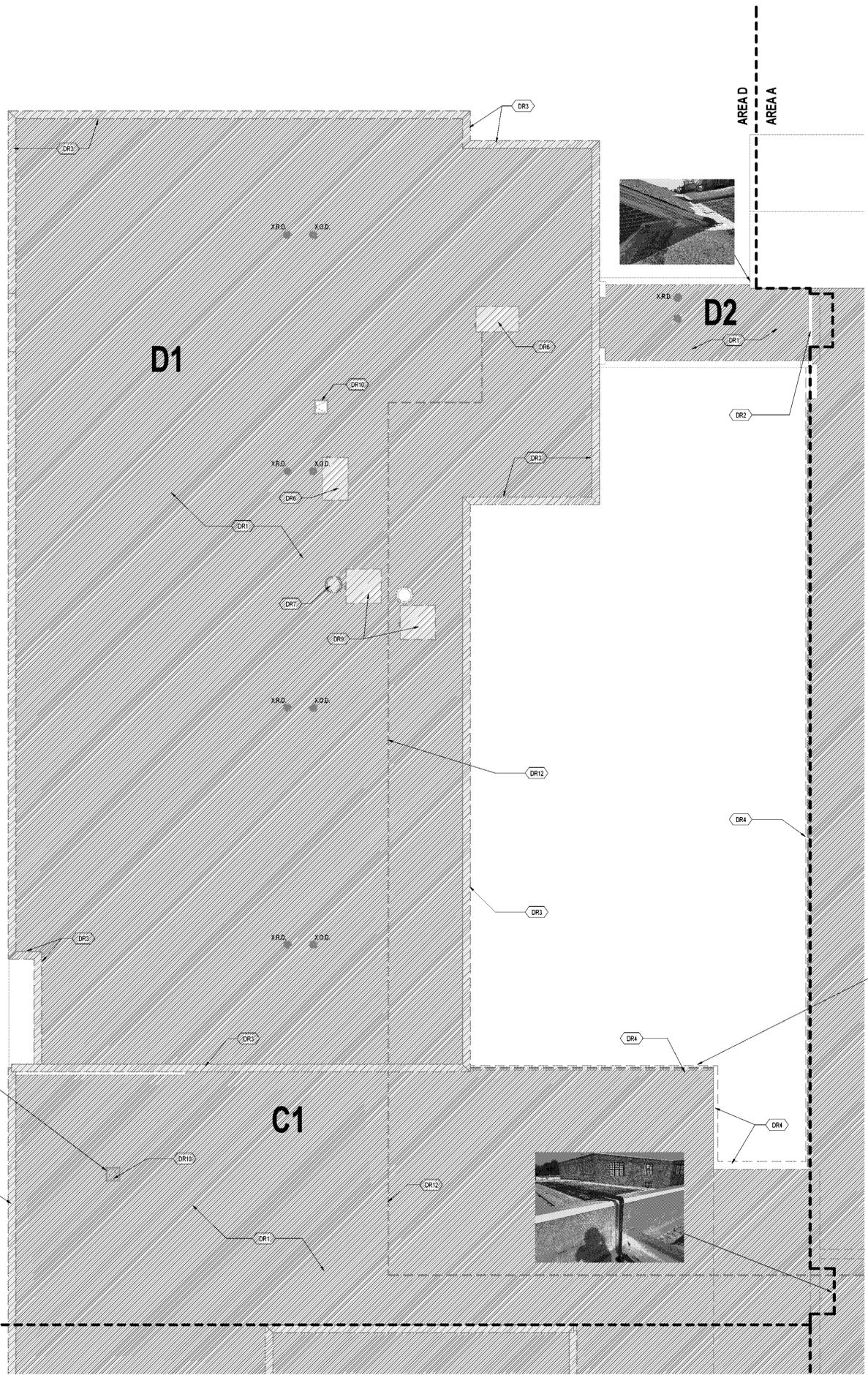
	EXISTING TO REMAIN
	GUTTERS, PARAPET CAP, EXPANSION JOINT COVERS, ETC. TO BE REMOVED
	ELEMENT TO BE DEMOLISHED OR MODIFIED
	EXISTING OVERFLOW DRAIN
	EXISTING ROOF DRAIN



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 1515 S PAVINIA DR., DALLAS, TX 75211

DEMOLITION ROOF PLAN - AREA D  
 2.17A



Autodesk Docs (iBIM) with Content ES/2017/2018/2019/2020/2021/2022/2023/2024/2025/2026/2027/2028/2029/2030/2031/2032/2033/2034/2035/2036/2037/2038/2039/2040/2041/2042/2043/2044/2045/2046/2047/2048/2049/2050/2051/2052/2053/2054/2055/2056/2057/2058/2059/2060/2061/2062/2063/2064/2065/2066/2067/2068/2069/2070/2071/2072/2073/2074/2075/2076/2077/2078/2079/2080/2081/2082/2083/2084/2085/2086/2087/2088/2089/2090/2091/2092/2093/2094/2095/2096/2097/2098/2099/2100/2101/2102/2103/2104/2105/2106/2107/2108/2109/2110/2111/2112/2113/2114/2115/2116/2117/2118/2119/2120/2121/2122/2123/2124/2125/2126/2127/2128/2129/2130/2131/2132/2133/2134/2135/2136/2137/2138/2139/2140/2141/2142/2143/2144/2145/2146/2147/2148/2149/2150/2151/2152/2153/2154/2155/2156/2157/2158/2159/2160/2161/2162/2163/2164/2165/2166/2167/2168/2169/2170/2171/2172/2173/2174/2175/2176/2177/2178/2179/2180/2181/2182/2183/2184/2185/2186/2187/2188/2189/2190/2191/2192/2193/2194/2195/2196/2197/2198/2199/2200/2201/2202/2203/2204/2205/2206/2207/2208/2209/2210/2211/2212/2213/2214/2215/2216/2217/2218/2219/2220/2221/2222/2223/2224/2225/2226/2227/2228/2229/2230/2231/2232/2233/2234/2235/2236/2237/2238/2239/2240/2241/2242/2243/2244/2245/2246/2247/2248/2249/2250/2251/2252/2253/2254/2255/2256/2257/2258/2259/2260/2261/2262/2263/2264/2265/2266/2267/2268/2269/2270/2271/2272/2273/2274/2275/2276/2277/2278/2279/2280/2281/2282/2283/2284/2285/2286/2287/2288/2289/2290/2291/2292/2293/2294/2295/2296/2297/2298/2299/2300/2301/2302/2303/2304/2305/2306/2307/2308/2309/2310/2311/2312/2313/2314/2315/2316/2317/2318/2319/2320/2321/2322/2323/2324/2325/2326/2327/2328/2329/2330/2331/2332/2333/2334/2335/2336/2337/2338/2339/2340/2341/2342/2343/2344/2345/2346/2347/2348/2349/2350/2351/2352/2353/2354/2355/2356/2357/2358/2359/2360/2361/2362/2363/2364/2365/2366/2367/2368/2369/2370/2371/2372/2373/2374/2375/2376/2377/2378/2379/2380/2381/2382/2383/2384/2385/2386/2387/2388/2389/2390/2391/2392/2393/2394/2395/2396/2397/2398/2399/2400/2401/2402/2403/2404/2405/2406/2407/2408/2409/2410/2411/2412/2413/2414/2415/2416/2417/2418/2419/2420/2421/2422/2423/2424/2425/2426/2427/2428/2429/2430/2431/2432/2433/2434/2435/2436/2437/2438/2439/2440/2441/2442/2443/2444/2445/2446/2447/2448/2449/2450/2451/2452/2453/2454/2455/2456/2457/2458/2459/2460/2461/2462/2463/2464/2465/2466/2467/2468/2469/2470/2471/2472/2473/2474/2475/2476/2477/2478/2479/2480/2481/2482/2483/2484/2485/2486/2487/2488/2489/2490/2491/2492/2493/2494/2495/2496/2497/2498/2499/2500/2501/2502/2503/2504/2505/2506/2507/2508/2509/2510/2511/2512/2513/2514/2515/2516/2517/2518/2519/2520/2521/2522/2523/2524/2525/2526/2527/2528/2529/2530/2531/2532/2533/2534/2535/2536/2537/2538/2539/2540/2541/2542/2543/2544/2545/2546/2547/2548/2549/2550/2551/2552/2553/2554/2555/2556/2557/2558/2559/2560/2561/2562/2563/2564/2565/2566/2567/2568/2569/2570/2571/2572/2573/2574/2575/2576/2577/2578/2579/2580/2581/2582/2583/2584/2585/2586/2587/2588/2589/2590/2591/2592/2593/2594/2595/2596/2597/2598/2599/2600/2601/2602/2603/2604/2605/2606/2607/2608/2609/2610/2611/2612/2613/2614/2615/2616/2617/2618/2619/2620/2621/2622/2623/2624/2625/2626/2627/2628/2629/2630/2631/2632/2633/2634/2635/2636/2637/2638/2639/2640/2641/2642/2643/2644/2645/2646/2647/2648/2649/2650/2651/2652/2653/2654/2655/2656/2657/2658/2659/2660/2661/2662/2663/2664/2665/2666/2667/2668/2669/2670/2671/2672/2673/2674/2675/2676/2677/2678/2679/2680/2681/2682/2683/2684/2685/2686/2687/2688/2689/2690/2691/2692/2693/2694/2695/2696/2697/2698/2699/2700/2701/2702/2703/2704/2705/2706/2707/2708/2709/2710/2711/2712/2713/2714/2715/2716/2717/2718/2719/2720/2721/2722/2723/2724/2725/2726/2727/2728/2729/2730/2731/2732/2733/2734/2735/2736/2737/2738/2739/2740/2741/2742/2743/2744/2745/2746/2747/2748/2749/2750/2751/2752/2753/2754/2755/2756/2757/2758/2759/2760/2761/2762/2763/2764/2765/2766/2767/2768/2769/2770/2771/2772/2773/2774/2775/2776/2777/2778/2779/2780/2781/2782/2783/2784/2785/2786/2787/2788/2789/2790/2791/2792/2793/2794/2795/2796/2797/2798/2799/2800/2801/2802/2803/2804/2805/2806/2807/2808/2809/2810/2811/2812/2813/2814/2815/2816/2817/2818/2819/2820/2821/2822/2823/2824/2825/2826/2827/2828/2829/2830/2831/2832/2833/2834/2835/2836/2837/2838/2839/2840/2841/2842/2843/2844/2845/2846/2847/2848/2849/2850/2851/2852/2853/2854/2855/2856/2857/2858/2859/2860/2861/2862/2863/2864/2865/2866/2867/2868/2869/2870/2871/2872/2873/2874/2875/2876/2877/2878/2879/2880/2881/2882/2883/2884/2885/2886/2887/2888/2889/2890/2891/2892/2893/2894/2895/2896/2897/2898/2899/2900/2901/2902/2903/2904/2905/2906/2907/2908/2909/2910/2911/2912/2913/2914/2915/2916/2917/2918/2919/2920/2921/2922/2923/2924/2925/2926/2927/2928/2929/2930/2931/2932/2933/2934/2935/2936/2937/2938/2939/2940/2941/2942/2943/2944/2945/2946/2947/2948/2949/2950/2951/2952/2953/2954/2955/2956/2957/2958/2959/2960/2961/2962/2963/2964/2965/2966/2967/2968/2969/2970/2971/2972/2973/2974/2975/2976/2977/2978/2979/2980/2981/2982/2983/2984/2985/2986/2987/2988/2989/2990/2991/2992/2993/2994/2995/2996/2997/2998/2999/3000/3001/3002/3003/3004/3005/3006/3007/3008/3009/3010/3011/3012/3013/3014/3015/30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BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH REVISIONS:



1505 W. RANDOLPH MILL ROAD  
 SUITE 300  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S PAVINIA DR., DALLAS, TX 75211

**ROOF PLAN GENERAL NOTES:**

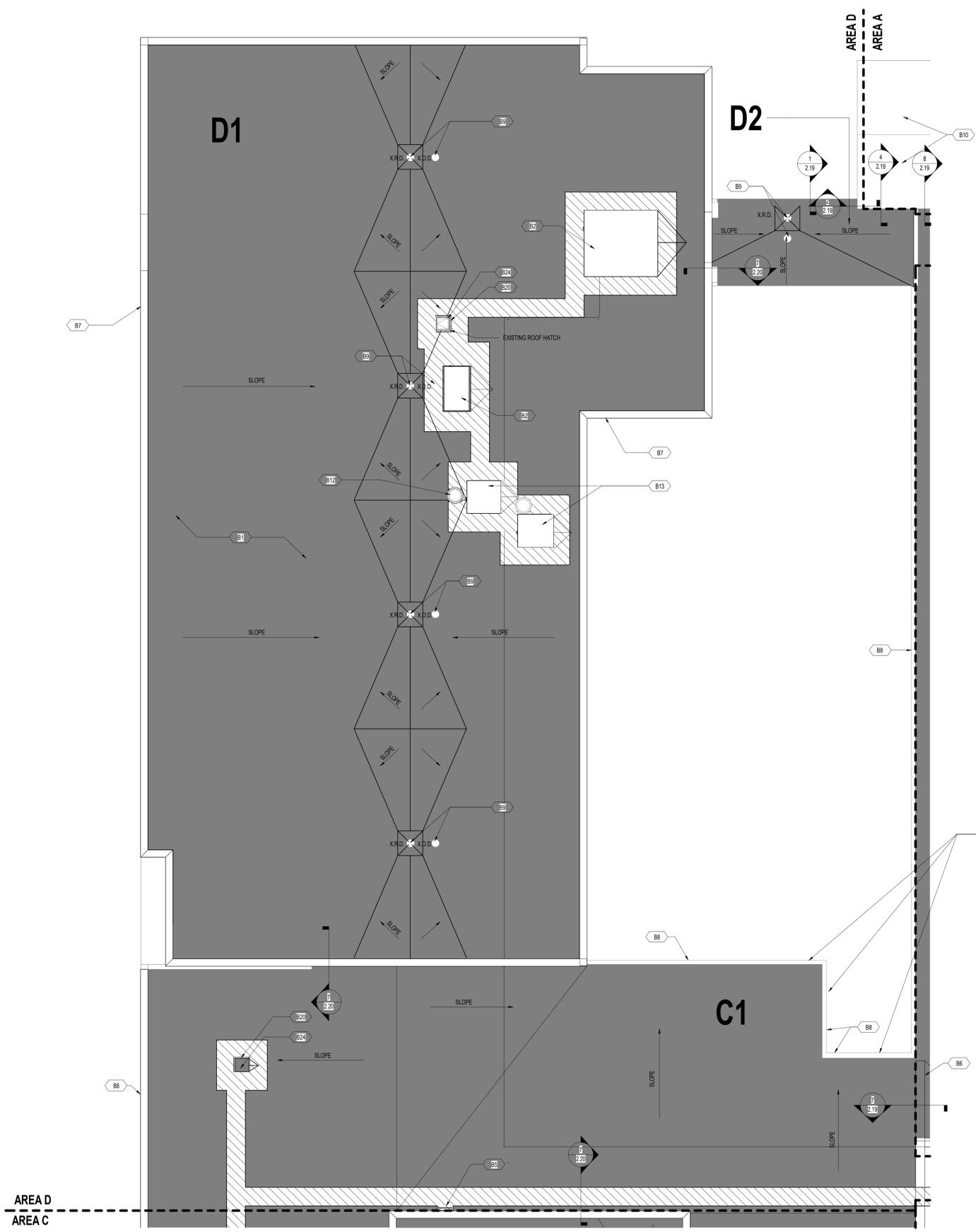
- A. AT ANY EXISTING ROOF AREA STILL UNDER WARRANTY, ALL WORK SHALL BE COMPLETED BY A CONTRACTOR ACCREDITED TO THAT WARRANTY.
- B. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR INSTALLATION AND CURB DETAILS FOR MEP.
- C. EQUIPMENT MOUNTED ON ROOF. NOT ALL ITEMS ARE NECESSARILY SHOWN ON THIS ROOF PLAN.
- D. ALL CURBS MUST BE 1'-0" TALL MIN. ABOVE ROOF LEVEL.
- E. PROVIDE WALK TREADS AROUND ROOF HATCH AND ROOF MOUNTED EQUIPMENT.
- F. PROVIDE 2'-4" X 2'-6" SQUARE LEAD FLASHING OF 2 1/2" LBS/SF. MIN. PRIMED AND SET IN MASTIC AT ALL ROOF DRAINS AND OVERFLOW DRAINS PER NCRA RECOMMENDATIONS.
- G. ALL MECHANICAL EQUIPMENT SHOWN ON THE ROOF PLAN IS SHOWN FOR COORDINATION. QUANTITIES AND EXACT LOCATION OF ALL EQUIPMENT SHALL BE PROPERLY COORDINATED PRIOR TO INSTALLATION AS REQUIRED AND FIELD VERIFIED.
- H. ALL PIPE, VENTS THROUGH ROOF, CONDUIT, EQUIPMENT SUPPORT, BUILDING MAINTENANCE PLATFORM, TIE BACK ANCHOR PENETRATIONS SHALL BE FLASHED PER DETAILS AND ROOFING MANUFACTURER'S WRITTEN AND DRAWN INSTRUCTIONS.
- I. ALL FLASHING TO BE 14" MINIMUM ABOVE ROOF.
- J. REPAIR DAMAGED WOOD FASCIAS AND SOFFITS PRIOR TO PAINTING.
- K. UNLOG ALL DRAINS AND DOWNSPOUTS BEYOND

**ROOF PLAN SYMBOLS LEGEND**

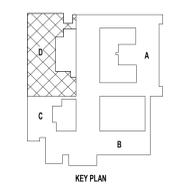
- X.R.D. EXISTING ROOF DRAIN
- X.O.D. EXISTING OVERFLOW DRAIN
- X.S.C. EXISTING ROOF SCUPPER
- X.O.S. EXISTING OVERFLOW SCUPPER
- Direction of Down Slope. Minimum Slope 1/4"FT. TO DRAIN
- CRICKET. Minimum Net Slope 1/2"FT. TO DRAIN
- NEW WALKWAY PADS
- NEW 2-PLY MOD. BIT. ROOFING, INCLUDING R-25 TAPERED INSULATION WITH 1/2" COVERBOARD.

**ROOF PLAN NOTES BY NUMBER**

- B1 INSTALL NEW 2-PLY MOD. BIT. ROOFING ON 1/2" PROTECTION BOARD ON 1'-6" STARTING THICKNESS TAPERED INSULATION OVER EXISTING MOD. BIT. ROOFING. FOR A FINAL SLOPE OF 1/4" PER FOOT.
- B2 INSTALL NEW MECHANICAL UNIT AND CURB. REFER TO MECHANICAL DRAWINGS.
- B3 BUILD NEW STEEL MAINTENANCE PLATFORM FOR HVAC EQUIPMENT. REFER TO STRUCTURAL DRAWINGS.
- B4 REPAIR DAMAGED FASCIA AND GUTTERS.
- B5 INSTALL NEW PAINTED STEEL ROOF ACCESS LADDER. LADDER TO BE DELEGATED DESIGN BY CONTRACTOR'S SELECTED ENGINEER AND SUBMITTED TO ARCHITECT FOR APPROVAL. SEE 108.11/2.21
- B6 INSTALL NEW 2-PART METAL FLASHING EXPANSION JOINT COVER
- B7 INSTALL NEW FACTORY FINISHED METAL PARAPET CAP. SEE DETAIL 412.18
- B8 INSTALL NEW PREFINISHED METAL GUTTER AND DOWNSPOUT WITH CONCRETE SPLASH BLOCK. SEE DETAIL 82.18
- B9 RAISE EXISTING ROOF DRAINS AND EXISTING OVERFLOW ROOF DRAINS AS REQUIRED FOR NEW ROOF THICKNESS.
- B10 RAISE EXISTING SHINGLE ROOF TO REMAIN.
- B11 RAISE/INSTALL NEW EQUIPMENT CURB.
- B12 NEW EXHAUST FAN, MIN. FLASHING HEIGHT 14". REFER TO MECHANICAL DRAWINGS.
- B13 EXISTING RELIEF FAN TO REMAIN. RAISE/INSTALL NEW CURB.
- B14 NEW GAS LINE ON PIPE SUPPORTS. PAINT YELLOW. REFER TO MECHANICAL DRAWINGS.
- B15 NEW CANOPY TOP 2-PLY MOD. BIT. ROOFING ON 1/2" COVER BOARD ON TAPERED INSULATION. APPLY LIQUID RESIN FLASHING AT THE ROD SUPPORT AND ROOF MEMBRANE INTERFACE.
- B16 CUT-IN NEW OVERFLOW SCUPPER SIZED 16"W. X 8"H. RAISED 2" ABOVE PRIMARY SCUPPER.
- B17 INSTALL NEW SAFETY RAILINGS. EXTEND 30" BEYOND EACH END OF ADJACENT HVAC UNIT.
- B18 INSTALL NEW RTU AND NEW TALLER EQUIPMENT CURB. SEE MECHANICAL DRAWINGS.
- B19 EXISTING SCUPPER TO REMAIN. SEE DETAILS 383/2.20. COPY EXISTING CONDUCTOR WITH PRE-FINISHED METAL CONDUCTOR AND DOWNSPOUT.
- B20 INSTALL NEW ROOF HATCH GUARD RAILING. SEE SPECIFICATIONS/PROJECT MANUAL.
- B21 INSTALL NEW ROOF HATCH.
- B22 EXISTING SCUPPER NOTCH IN CANOPY.
- B23 NEW COOLING TOWER. SEE STRUCTURAL AND MECHANICAL DRAWINGS.
- B24 RAISE EXISTING ROOF HATCH TO HAVE MIN. 16" FLASHING HEIGHT ABOVE NEW ROOF SURFACE.



1 ROOF PLAN - AREA D  
 1/8" = 1'-0"  
 NORTH



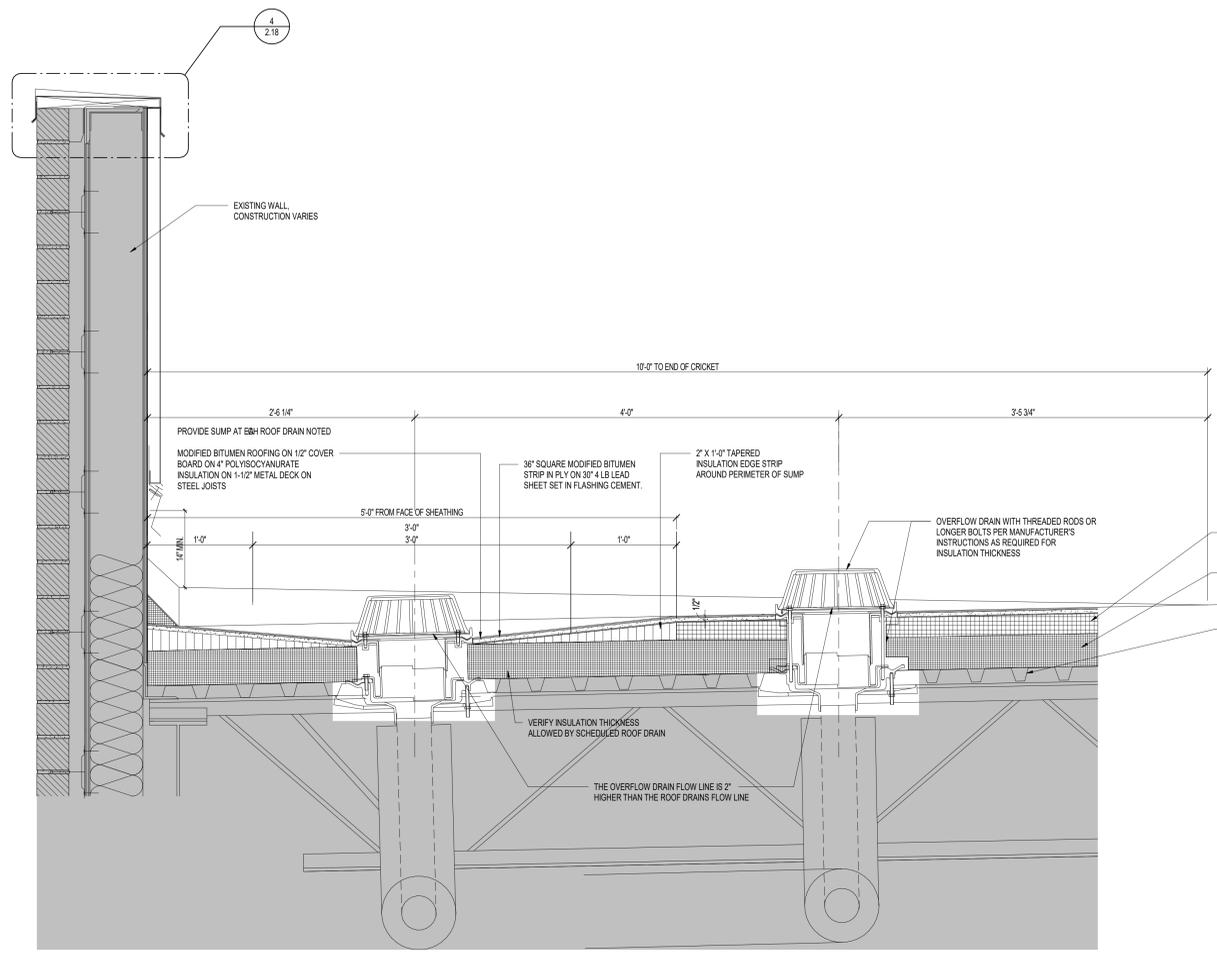
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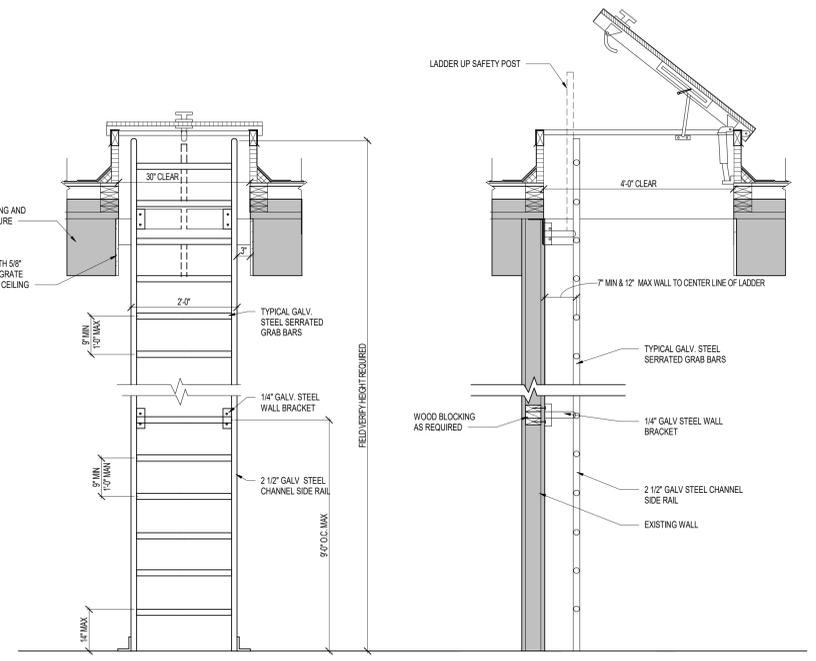


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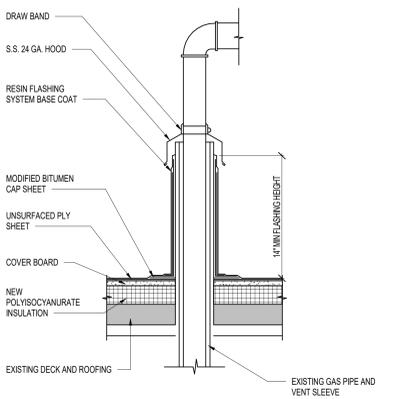
DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S PAVINIA DR., DALLAS, TX 75211



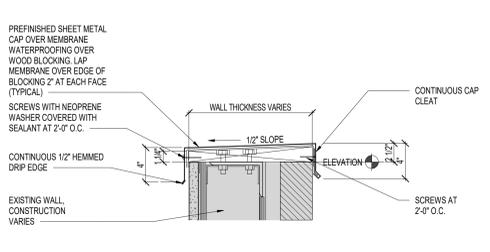
2 ROOF DRAIN, SUMP, AND OVERFLOW DRAIN DETAIL  
 1 1/2" = 1'-0"



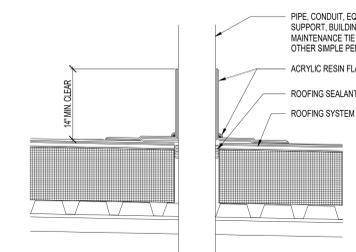
1 ROOF HATCH AND LADDER DETAIL  
 3/4" = 1'-0"



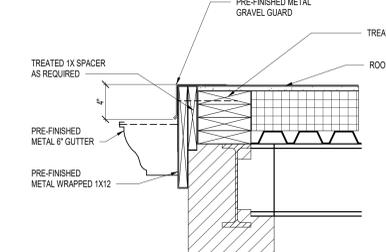
3 GAS PIPE PENETRATION  
 1 1/2" = 1'-0"



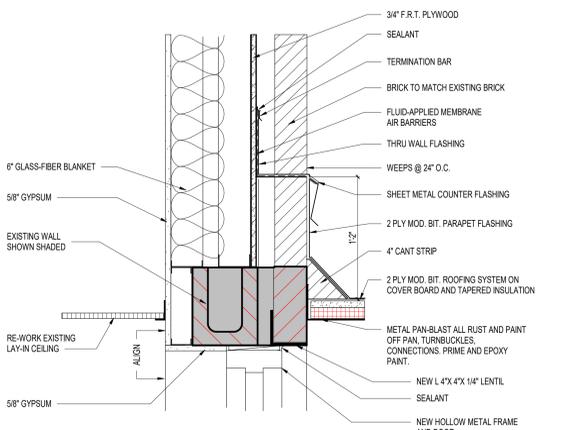
4 TYPICAL METAL CAP DETAIL  
 1 1/2" = 1'-0"



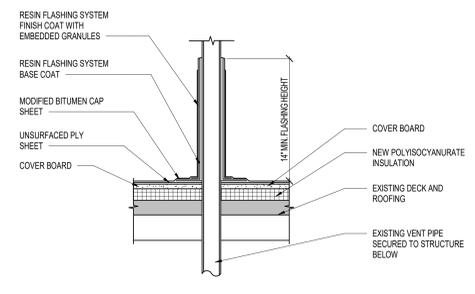
5 ROOF PENETRATION DETAIL  
 1 1/2" = 1'-0"



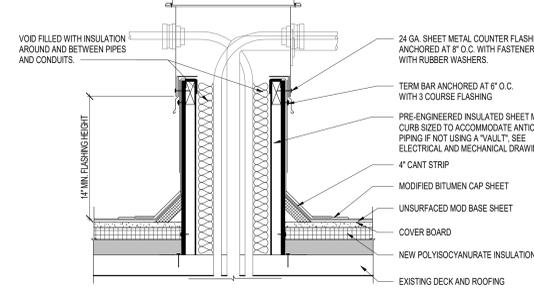
6 GUTTER/GRAVEL GUARD SECTION  
 1 1/2" = 1'-0"



7 DOOR HEAD AT BRICK FILL-IN  
 1 1/2" = 1'-0"



8 VENT PIPE PENETRATION  
 1 1/2" = 1'-0"



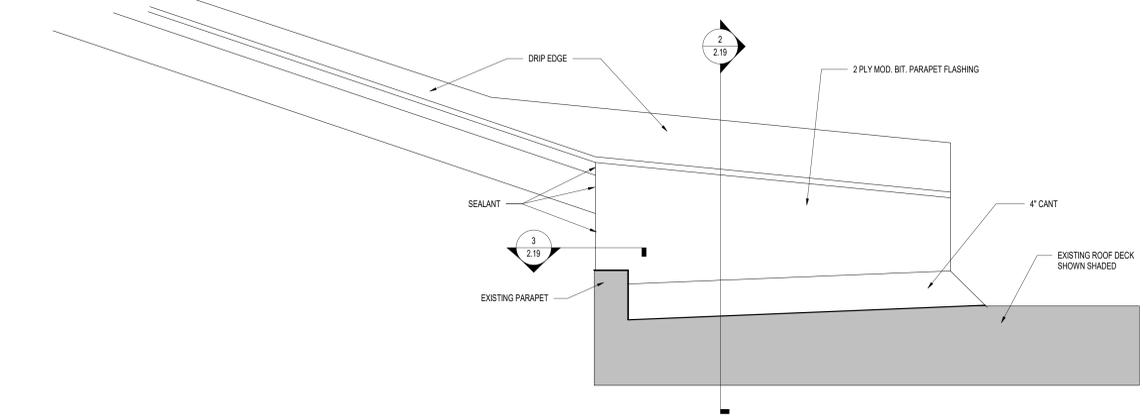
9 MULTIPLE PIPE PENETRATION DETAIL  
 1 1/2" = 1'-0"

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 REVISIONS:

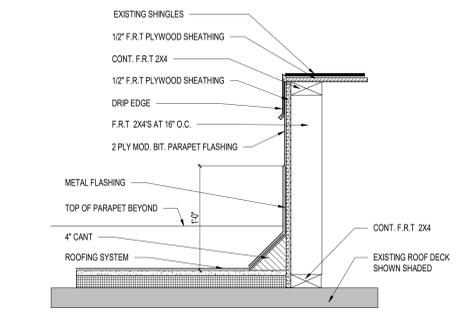


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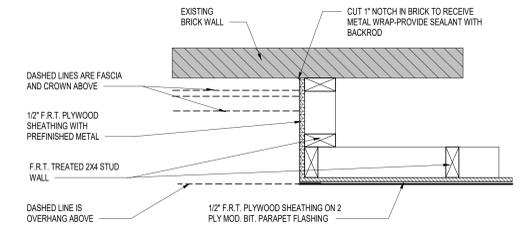
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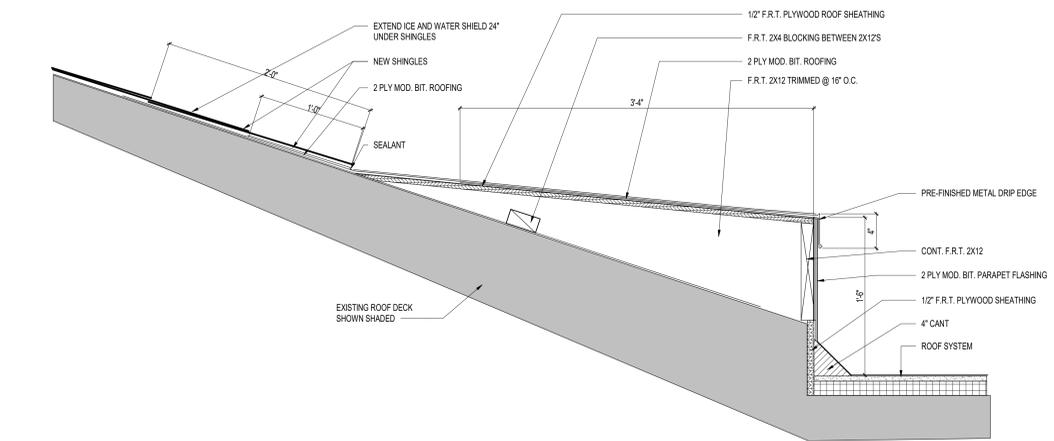
1 ELEVATION  
 1 1/2" = 1'-0"



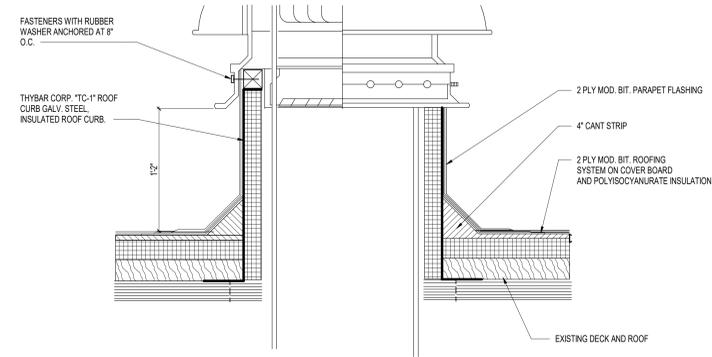
2 SECTION A  
 1 1/2" = 1'-0"



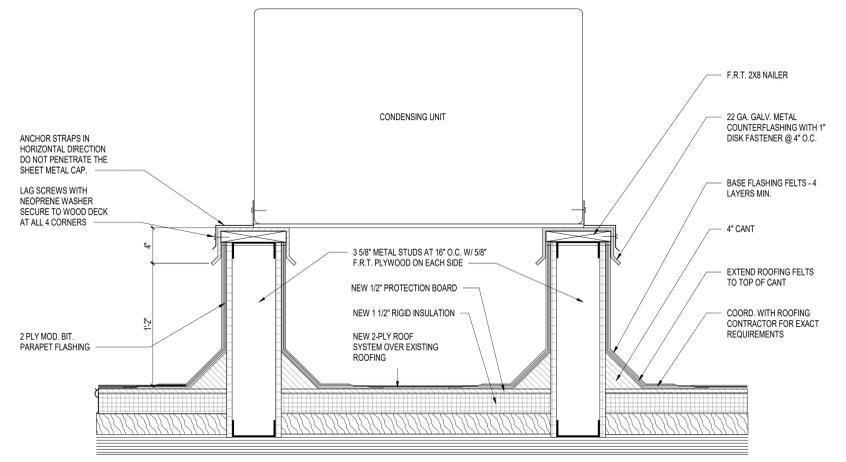
3 SECTION B  
 1 1/2" = 1'-0"



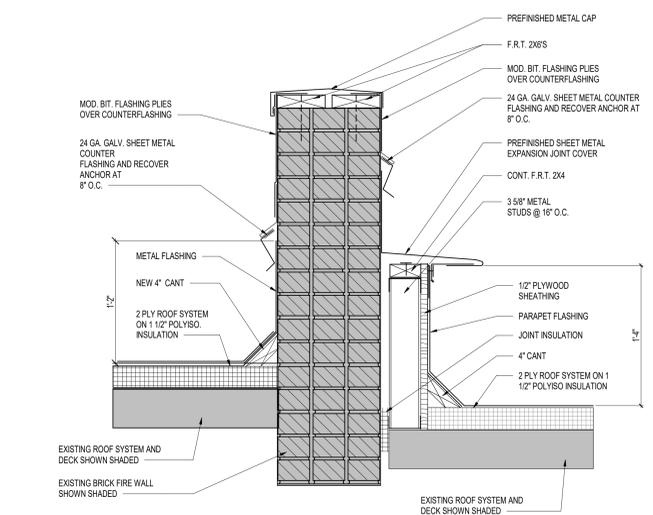
4 SHINGLES TO BUILT-UP ROOF 18" DROP  
 1 1/2" = 1'-0"



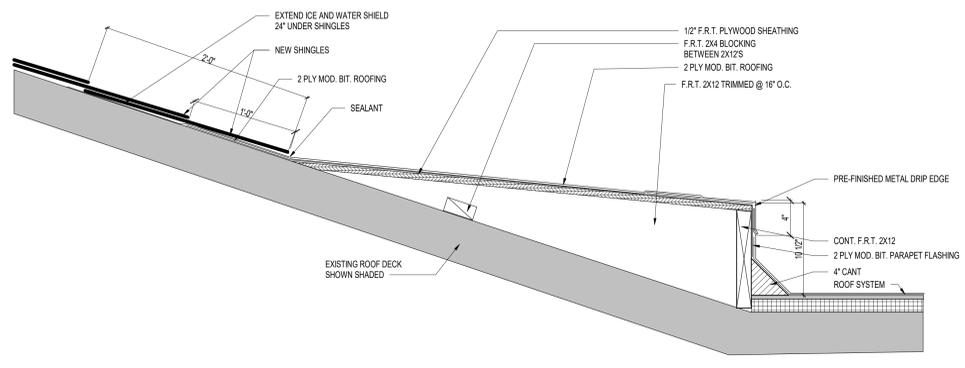
5 CENTRIFUGAL ROOF MOUNTED DOWN BLAST EXHAUST FAN  
 1 1/2" = 1'-0"



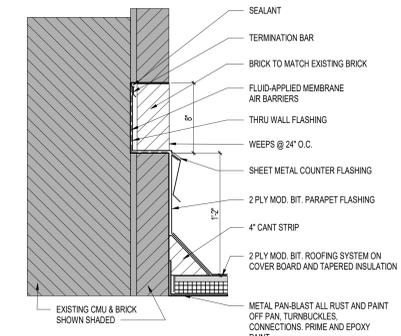
6 CONDENSING UNIT SUPPORT CURB DETAIL  
 1 1/2" = 1'-0"



7 EXPANSION JOINT AT EXISTING BRICK FIRE WALL  
 1 1/2" = 1'-0"



8 SHINGLES TO BUILT-UP ROOF  
 1 1/2" = 1'-0"



9 THRU WALL FLASHING AT METAL PAN CANOPY  
 1 1/2" = 1'-0"

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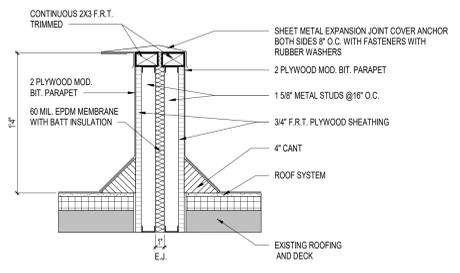
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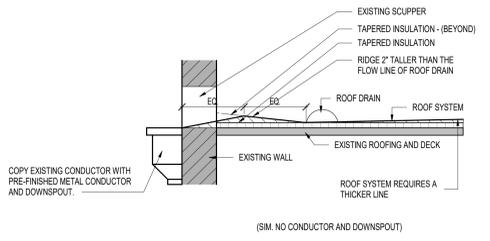


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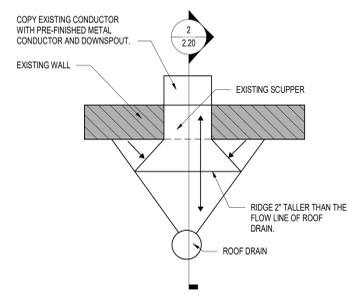
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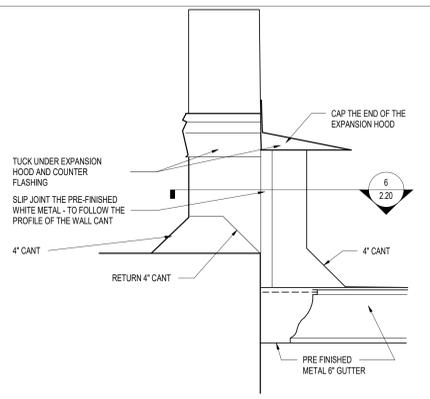
1 REBUILT EXPANSION  
 1 1/2" = 1'-0"



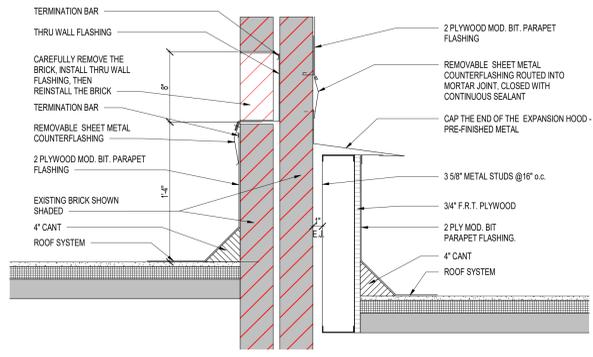
2 SECTION OF TAPERED INSULATION WELL AT SCUPPER  
 1/2" = 1'-0"



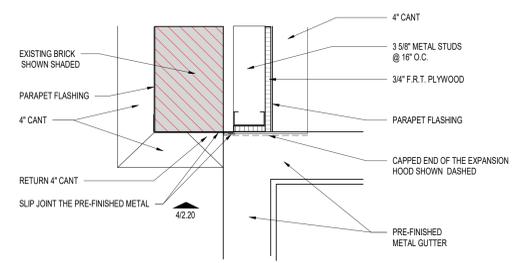
3 PLAN OF TAPERED INSULATION WELL AT SCUPPER  
 1/2" = 1'-0"



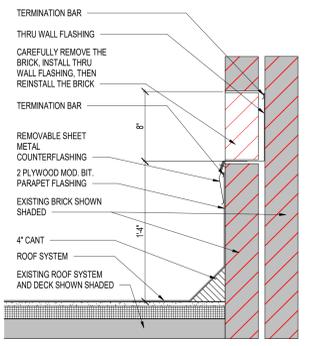
4 FLASHING AND EXPANSION JOINT ELEVATION  
 1 1/2" = 1'-0"



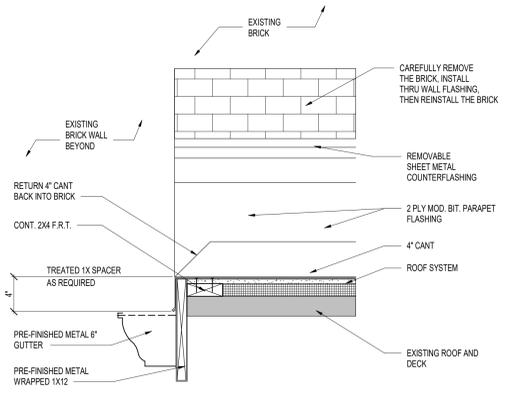
5 FLASHING AND EXPANSION JOINT SECTION 01  
 1 1/2" = 1'-0"



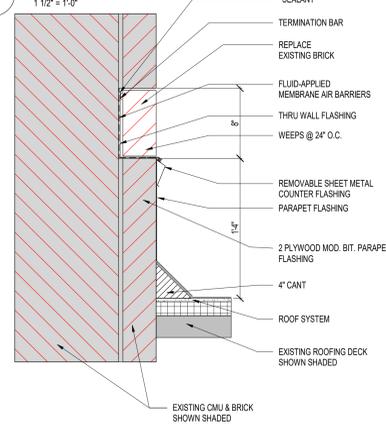
6 FLASHING AND EXPANSION JOINT PLAN  
 1 1/2" = 1'-0"



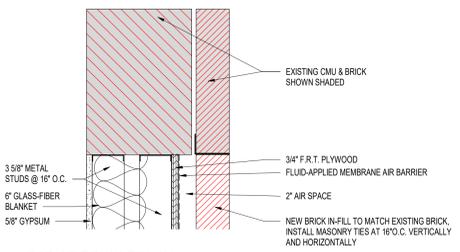
7 RAISED THRU WALL FLASHING DETAIL  
 1 1/2" = 1'-0"



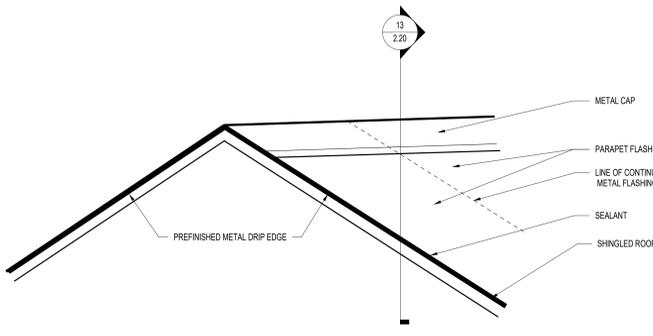
8 TERMINATION OF FLASHING AT GRAVEL GUARD DETAIL  
 1 1/2" = 1'-0"



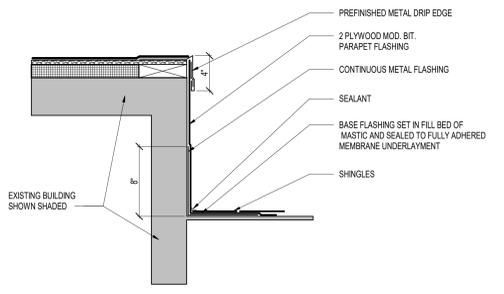
10 THRU WALL FLASHING  
 1 1/2" = 1'-0"



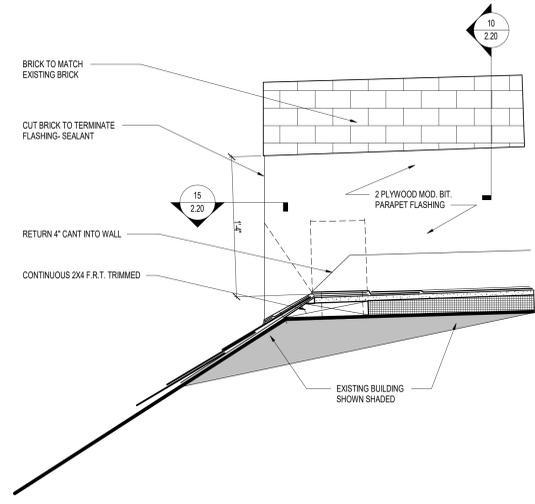
11 HEAD AT BRICK FILL-IN  
 1 1/2" = 1'-0"



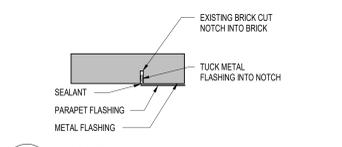
12 FLASHING DETAIL AT SHINGLES  
 1 1/2" = 1'-0"



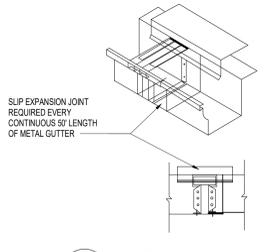
13 SHINGLE CAP SECTION  
 1 1/2" = 1'-0"



14 SHINGLE CAP ELEVATION AT BRICK WALL  
 1 1/2" = 1'-0"

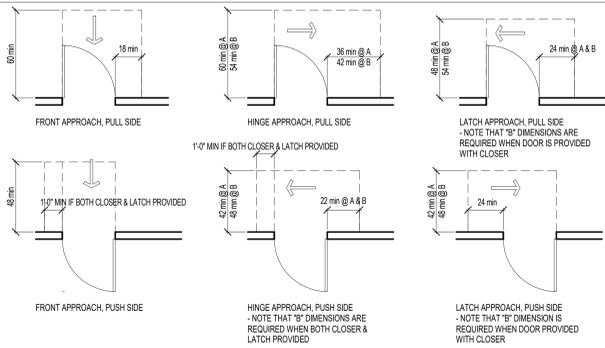


15 SECTION 'A'  
 1 1/2" = 1'-0"



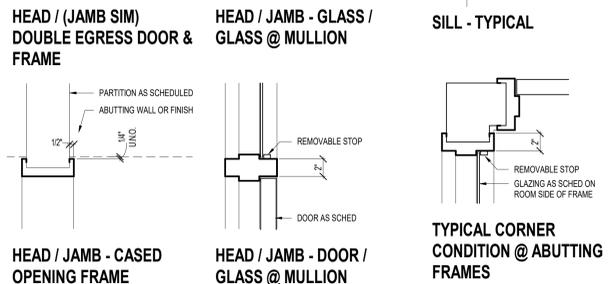
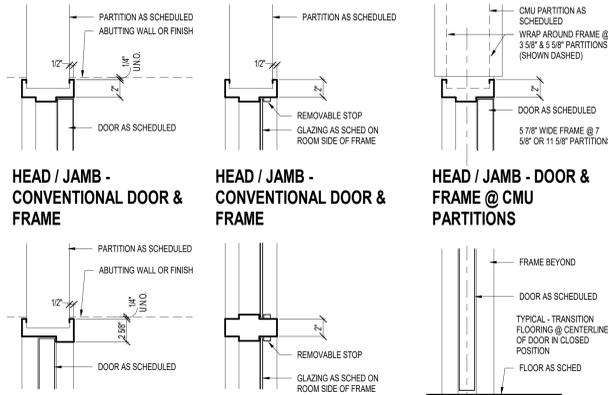
16 GUTTER EXPANSION JOINT  
 1 1/2" = 1'-0"





### MINIMUM MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS & GATES

**Maneuvering Clearances at Manual Swinging Doors & Gates**  
 These vignette drawings are based on TAS, ADA & ANSI. They are intended to be a reference for the contractor during constructions and you as doors are placed on floor plans.

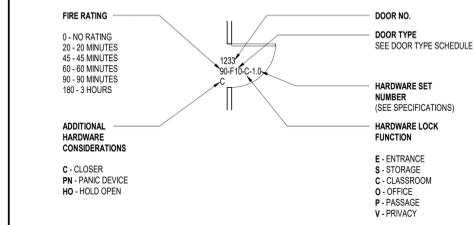


### TYPICAL INTERIOR STEEL HEAD / JAMB / SILL DETAILS

### DOOR GENERAL NOTES

- A. TYPICAL DOOR DETAILS ARE SHOWN ON THIS SHEET. SEE FLOOR PLANS FOR SPECIALIZED PLAN DETAIL REFERENCES FOR ATYPICAL CONDITIONS.
- B. DOOR FRAME THROAT DIMENSIONS: REFER TO FLOOR PLANS FOR THE APPLICABLE PARTITION TYPE.
- C. ALL WOOD DOORS TO BE TRANSPARENT FINISH UNLESS NOTED OTHERWISE.

### EXAMPLE OF DOOR INFORMATION ON FLOOR PLANS



### GLASS SCHEDULE

- ALL EXTERIOR GLAZING SHALL BE INSULATED GLAZING UNITS INCLUDING DOORS, UNLESS NOTED OTHERWISE. SEE COLOR SCHEDULE FOR TYPE AND PERFORMANCE CHARACTERISTICS.
- ALL INTERIOR GLASS SHALL BE 1/4" THICK POLISHED PLATE UNLESS NOTED OTHERWISE.
- PROVIDE TEMPERED GLASS AT ALL LOCATIONS REQUIRED BY THE BUILDING CODE REFERENCED FOR THE PROJECT AND ALL OTHER APPLICABLE CODES. HOWEVER, IN SOME CASES, GLASS MAY BE LABELED AS "T" FOR TEMPERED EVEN THOUGH IT MAY NOT BE REQUIRED BY THE APPLICABLE CODES.
- PROVIDE VISION PANEL FRAMING AND GLAZING IN DOORS AS REQUIRED FOR SCHEDULED FIRE RATING.
- REFER TO THE FLOOR PLANS, EXTERIOR ELEVATIONS, AND WALL SECTIONS FOR LOCATIONS AND QUANTITY OF EXTERIOR WINDOWS.
- AT ROOMS SCHEDULED TO BE SOUND ATTENUATED, USE 1" INSULATED GLAZING UNITS AT ALL WINDOWS AND DOOR VISION GLAZING, EVEN AT INTERIOR WINDOWS.

### DOOR TYPES SCHEDULE NOTES AND LEGEND

- WITH THIS DOOR SCHEDULING SYSTEM, EACH AND EVERY DOOR IS NOT SCHEDULED INDIVIDUALLY.
- ALL DOORS WITH THE SAME CHARACTERISTICS ARE ASSIGNED THE SAME DOOR TYPE. THAT IS THEY ARE THE SAME SIZE, SAME MATERIAL, AND FRAME MATERIAL.
- ALL DOORS TO BE INSTALLED IN A TYPICAL STANDARD DOOR FRAME OF THE MATERIAL SCHEDULED IN THE DOOR TYPES SCHEDULE. IF DOOR HAS A SDELITE, A TRANSFORM GLASS, OR IN A WALL OF GLASS, THE FRAME TYPE WILL BE SHOWN ON THE FLOOR PLAN. THE FRAME MATERIALS MAY BE ONE OF THE FOLLOWING AS SHOWN ON THE FLOOR PLANS.

A-1	ALUMINUM AND GLASS STOREFRONT DOOR FRAME TYPE
S-1	HOLLOW METAL DOOR/WINDOW FRAME TYPE
F-1	FIBERGLASS DOOR/WINDOW FRAME TYPE
W-1	WOOD DOOR/WINDOW FRAME TYPE
OTHER	
<b>DOOR FRAME MATERIAL / TYPE (ABBREVIATIONS IN PARENTHESES)</b>	<b>DOOR GLAZING SCHEDULE</b>
HOLLOW METAL WOOD ALUMINUM FIBERGLASS - (FBG)	INTERIOR DOORS: 1/4" CLEAR TEMPERED GLASS EXCEPTIONS: - 1/4" LAMINATED CLEAR GLASS @ RATED DOORS - 1/4" FIRE RATED CERAMIC GLASS WHERE NOTED
<b>DOOR MATERIAL / TYPE (ABBREVIATIONS IN PARENTHESES)</b>	EXTERIOR DOORS: 1" INSULATED GLASS, TEMPERED WHERE REQUIRED.
HOLLOW METAL WOOD ALUMINUM & GLASS - (ALUGL) FIBERGLASS - (FBG) ALL GLASS - (GLASS)	REFER TO FRAME TYPE ELEVATIONS AND INTERIOR AND EXTERIOR WINDOW TYPES FOR GLAZING TYPES.

### EXISTING DOOR TYPES SCHEDULE

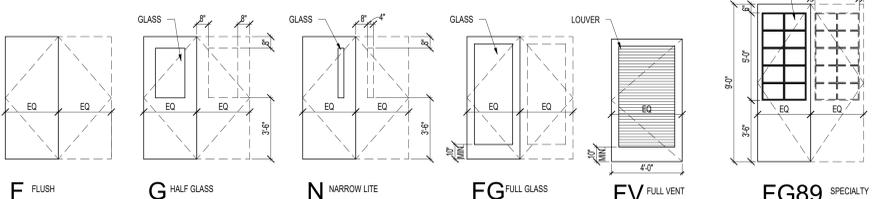
MARK	DOORS		FRAME		REMARKS
	MATERIAL	DOOR TYPE	ELEVATION	MATERIAL GLASS	
X01	EXISTING				EXISTING DOOR TO RECEIVE NEW ELECTRIFIED HARDWARE AND CARD READER
X03	EXISTING				EXISTING DOOR TO RECEIVE NEW ELECTRIFIED HARDWARE AND CARD READER
X04	EXISTING				EXISTING DOOR TO RECEIVE NEW ELECTRIFIED HARDWARE AND CARD READER
X05	EXISTING				EXISTING DOOR TO RECEIVE NEW ELECTRIFIED HARDWARE AND CARD READER
X100	EXISTING				EXISTING DOOR TO RECEIVE NEW ELECTRIFIED HARDWARE AND CARD READER

### REFURBISHED DOOR SCHEDULE

MARK	DOORS		FRAME		REMARKS
	MATERIAL	ELEVATION	MATERIAL	GLASS	
R21	EXISTING		EXISTING		DOOR TO BE REFURBISHED AND TO RECEIVE NEW HARDWARE
R18	EXISTING		EXISTING		DOOR TO BE REFURBISHED AND TO RECEIVE NEW HARDWARE
R22	EXISTING		EXISTING		DOOR TO BE REFURBISHED AND TO RECEIVE NEW HARDWARE

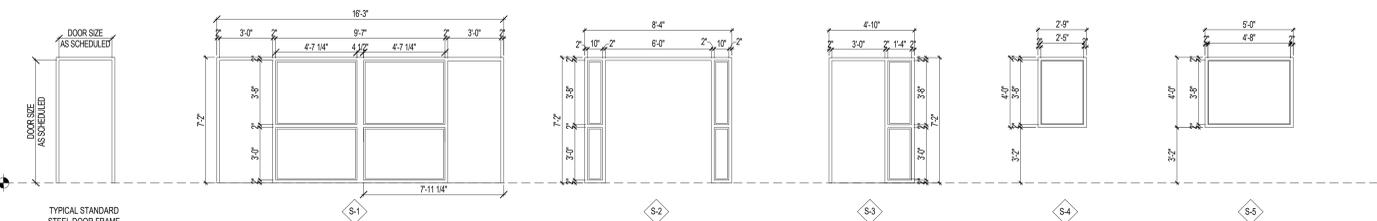
### NEW DOOR TYPES SCHEDULE

MARK	DOORS		DOOR TYPE		FRAME		REMARKS
	WIDTH	HEIGHT	MATERIAL	ELEVATION	MATERIAL	GLASS	
17	6'-0"	8'-0"	STEEL		G20		STEEL
180	6'-0"	7'-0"	WOOD		FG		STEEL
150B	7'-0"	9'-0"	STEEL		G89		STEEL
161	3'-0"	7'-0"	WOOD		G1		STEEL
161A	3'-0"	7'-0"	WOOD		G1		STEEL
161B	3'-0"	7'-0"	WOOD		G1		EXISTING FRAME TO REMAIN - MODIFY FRAME FOR OPPOSITE SWING
161C	3'-0"	7'-0"	WOOD		FG1		STEEL
161D	3'-0"	7'-0"	WOOD		FG1		STEEL
162	3'-0"	7'-0"	WOOD		G1		STEEL
162A	3'-0"	7'-0"	WOOD		F1		STEEL
162B	3'-0"	7'-0"	WOOD		G1		STEEL
167A	4'-0"	7'-0"	STEEL		FV2		STEEL
200A	3'-0"	7'-0"	WOOD		N1		STEEL
203	3'-0"	7'-0"	WOOD		N1		STEEL



### DOOR TYPES ELEVATIONS

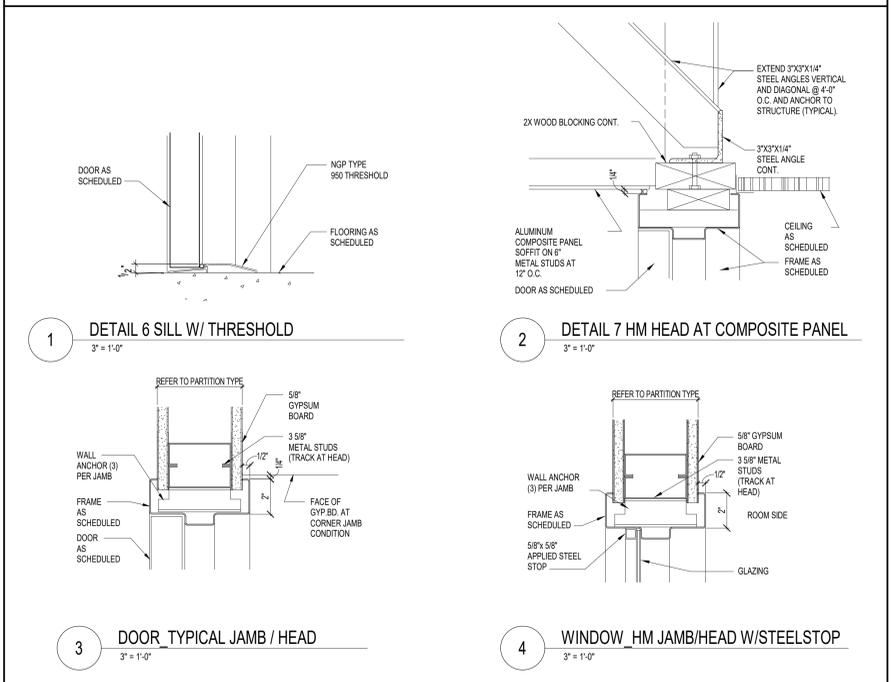
REFER TO FLOOR PLANS TO DETERMINE IF DOORS ARE SINGLE DOORS OR DOUBLE DOORS TO OBTAIN SIZES OF DOORS. REFER TO THE FLOOR PLAN TO OBTAIN DOOR TYPE AND THEN REFER TO DOOR TYPES SCHEDULE.



### HOLLOW METAL DOOR AND WINDOW FRAME TYPES

REFER TO GLASS SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. THESE FRAME TYPES ARE FLAGGED ON THE FLOOR PLANS UNLESS IT IS A TYPICAL STANDARD FRAME BY ITSELF WITH NO SIDELITE. PROVIDE 4" TOP MEMBER @ TYPICAL STANDARD STEEL FRAME TYPES - MASONRY FRAMES ONLY.

### OPENING DETAILS





BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

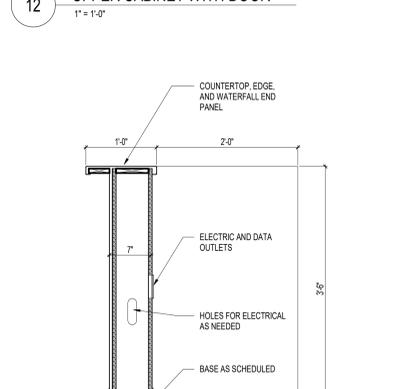
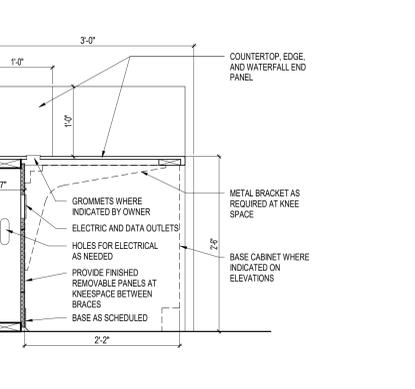
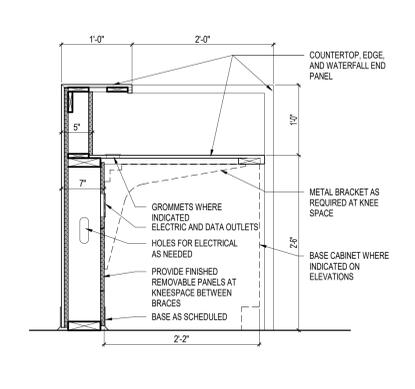
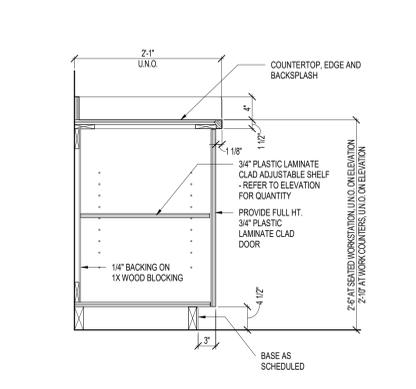
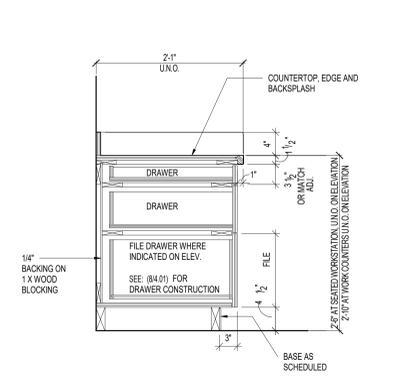
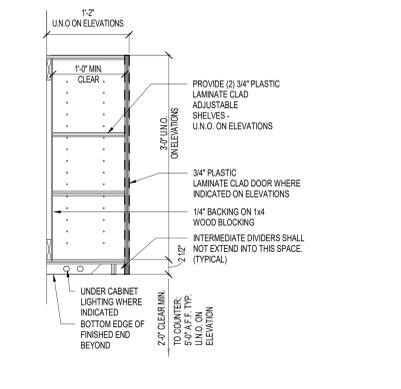
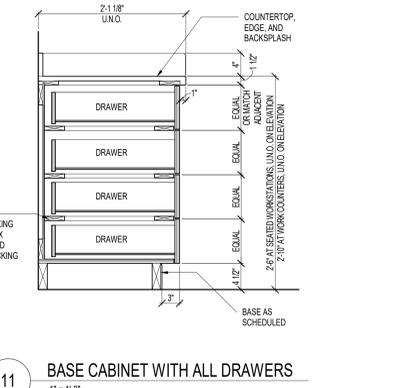
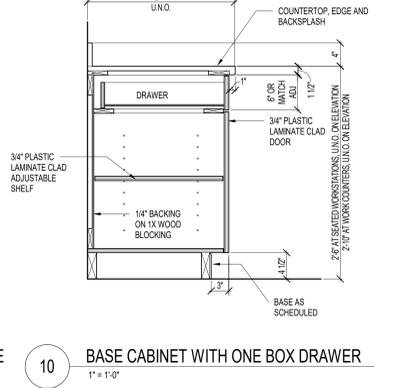
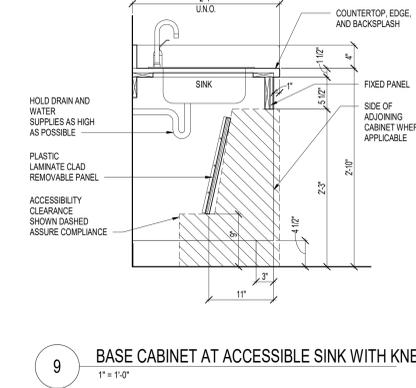
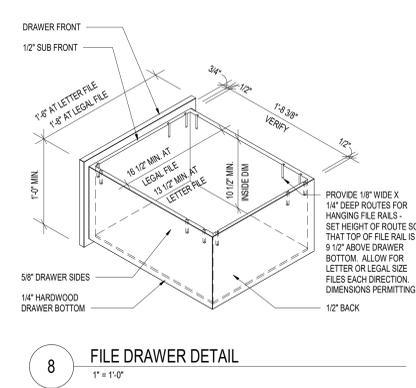
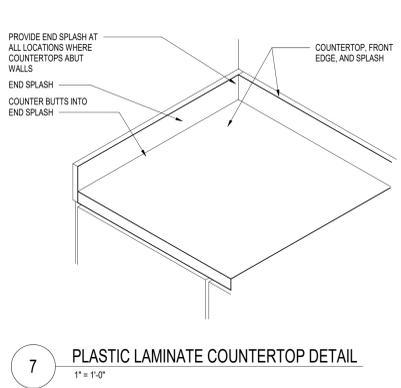
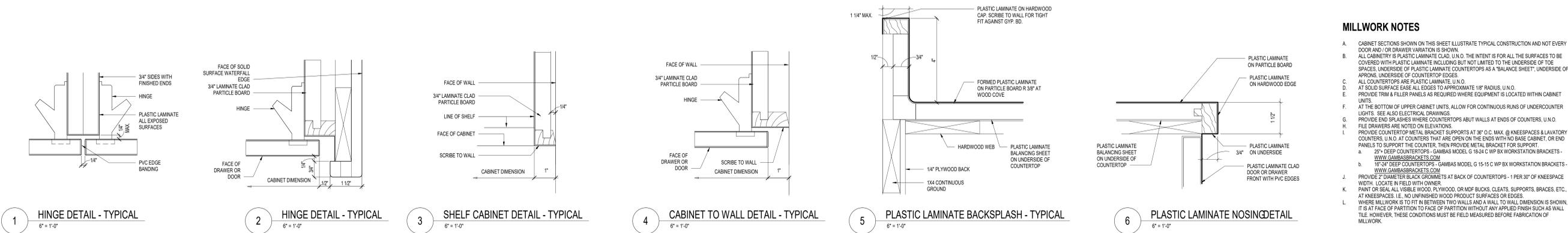


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RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 S PAVINIA DR., DALLAS, TX 75211

MILLWORK NOTES

- A. CABINET SECTIONS SHOWN ON THIS SHEET ILLUSTRATE TYPICAL CONSTRUCTION AND NOT EVERY DOOR AND/OR DRAWER VARIATION IS SHOWN.
- B. ALL CABINETRY IS PLASTIC LAMINATE CLAD, U.N.O. THE INTENT IS FOR ALL THE SURFACES TO BE COVERED WITH PLASTIC LAMINATE INCLUDING BUT NOT LIMITED TO THE UNDERSIDE OF TOE SPACES, UNDERSIDE OF PLASTIC LAMINATE COUNTERTOPS AS A "BALANCE SHEET", UNDERSIDE OF APRONS, UNDERSIDE OF COUNTERTOP EDGES.
- C. ALL COUNTERTOPS ARE PLASTIC LAMINATE, U.N.O.
- D. AT SOLID SURFACE EASE ALL EDGES TO APPROXIMATE 1/8" RADIUS, U.N.O.
- E. PROVIDE TRIM & FILLER PANELS AS REQUIRED WHERE EQUIPMENT IS LOCATED WITHIN CABINET UNITS.
- F. AT THE BOTTOM OF UPPER CABINET UNITS, ALLOW FOR CONTINUOUS RUNS OF UNDERCOUNTER LIGHTS. SEE ALSO ELECTRICAL DRAWINGS.
- G. PROVIDE END SPLASHES WHERE COUNTERTOPS ABUT WALLS AT ENDS OF COUNTERS, U.N.O.
- H. FILE DRAWERS ARE NOTED ON ELEVATIONS.
- I. PROVIDE COUNTERTOP METAL BRACKET SUPPORTS AT 30" O.C. MAX. @ KNEESPACES & LAVATORY COUNTERS, U.N.O. AT COUNTERS THAT ARE OPEN ON THE ENDS WITH NO BASE CABINET, OR END PANELS TO SUPPORT THE COUNTER, THEN PROVIDE METAL BRACKET FOR SUPPORT.
  - a. 25" DEEP COUNTERTOPS - GAMBAS MODEL G 18-24 C WP BX WORKSTATION BRACKETS - WWW.GAMBASBRACKETS.COM
  - b. 17-24" DEEP COUNTERTOPS - GAMBAS MODEL G 15-15 C WP BX WORKSTATION BRACKETS - WWW.GAMBASBRACKETS.COM
- J. PROVIDE 2" DIAMETER BLACK GROMMETS AT BACK OF COUNTERTOPS - 1 PER 30" OF KNEESPACE WIDTH. LOCATE IN FIELD WITH OWNER.
- K. PAINT OR SEAL ALL VISIBLE WOOD, PLYWOOD, OR MDF BLOCKS, CLEATS, SUPPORTS, BRACES, ETC. AT KNEESPACES, I.E. NO UNFINISHED WOOD PRODUCT SURFACES OR EDGES.
- L. WHERE MILLWORK IS TO FIT IN BETWEEN TWO WALLS AND A WALL TO WALL DIMENSION IS SHOWN, IT IS AT FACE OF PARTITION TO FACE OF PARTITION WITHOUT ANY APPLIED FINISH SUCH AS WALL TILE. HOWEVER, THESE CONDITIONS MUST BE FIELD MEASURED BEFORE FABRICATION OF MILLWORK.

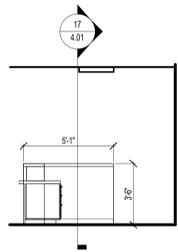


BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:

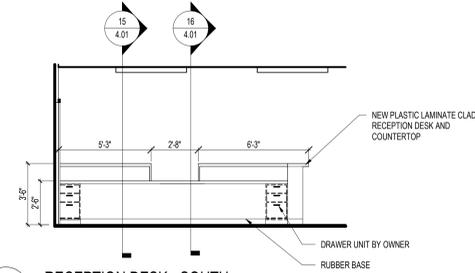


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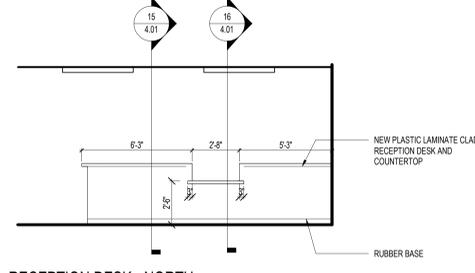
DALLAS INDEPENDENT SCHOOL DISTRICT  
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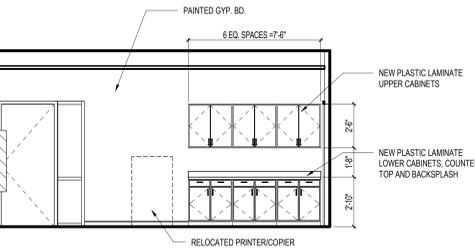
1 RECEPTION DESK - WEST  
 1/4" = 1'-0"



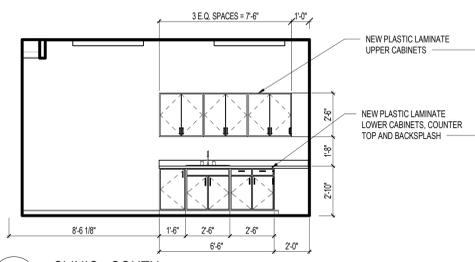
2 RECEPTION DESK - SOUTH  
 1/4" = 1'-0"



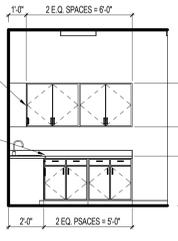
3 RECEPTION DESK - NORTH  
 1/4" = 1'-0"



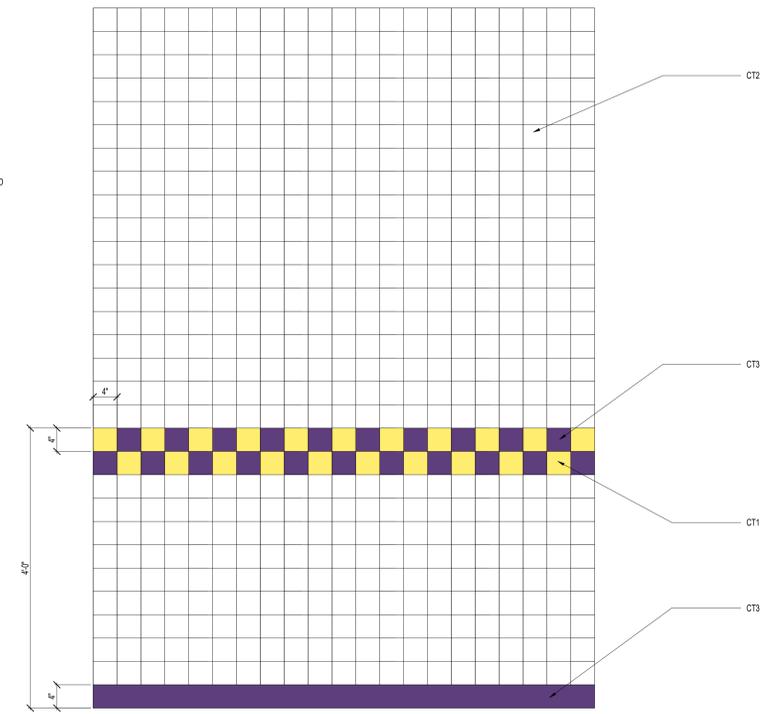
4 OFFICE - NORTH  
 1/4" = 1'-0"



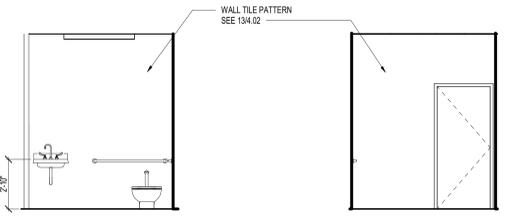
5 CLINIC - SOUTH  
 1/4" = 1'-0"



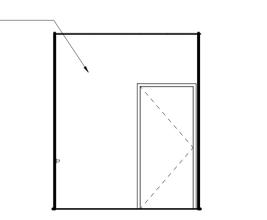
6 CLINIC - WEST  
 1/4" = 1'-0"



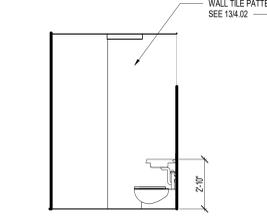
13 WALL TILE PATTERN  
 1" = 1'-0"



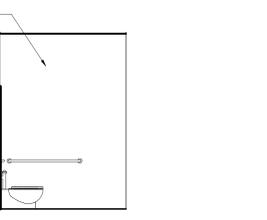
7 CLINIC RESTROOM - NORTH  
 1/4" = 1'-0"



8 CLINIC RESTROOM - SOUTH  
 1/4" = 1'-0"



9 CLINIC RESTROOM - WEST  
 1/4" = 1'-0"



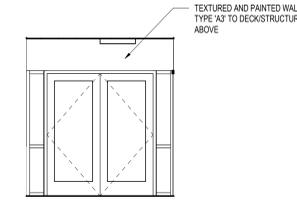
10 CLINIC RESTROOM - EAST  
 1/4" = 1'-0"

FOR TOILET ACCESSORIES AND MOUNTING HEIGHTS SEE SHEET 4.03

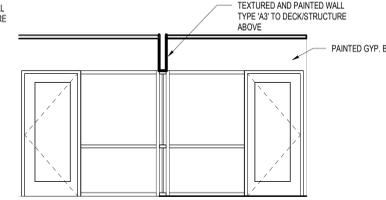
FOR TOILET ACCESSORIES AND MOUNTING HEIGHTS SEE SHEET 4.03

FOR TOILET ACCESSORIES AND MOUNTING HEIGHTS SEE SHEET 4.03

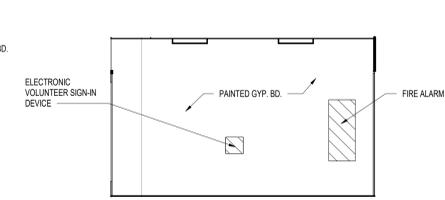
FOR TOILET ACCESSORIES AND MOUNTING HEIGHTS SEE SHEET 4.03



11 SECURE VESTIBULE - WEST  
 1/4" = 1'-0"



12 SECURE VESTIBULE - NORTH  
 1/4" = 1'-0"



14 OFFICE - WEST  
 1/4" = 1'-0"



BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:

**GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:**

- SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN AS RED AND/OR DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT REUSED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
- DEMOLISH AND REMOVE ANY UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.
- SHOULD ACCESS TO ABOVE CEILING HVAC WORK REQUIRE REMOVAL OF CEILINGS NOT SHOWN ON THESE PLANS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IN ADVANCE FOR COORDINATION OF REPLACEMENT CEILINGS AND DISTURB AS LITTLE OF THE EXISTING CEILINGS AS POSSIBLE FOR REQUIRED WORK.

**DEMO RCP PLAN NOTES BY NUMBER** DC#

- DC1 REMOVE EXISTING CEILING  
 DC2 REMOVE EXISTING DX SPLIT SYSTEM AND LOWERED CEILING. REFER TO MECHANICAL SHEETS.  
 DC3 CAREFULLY REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW HVAC WORK.

**REFLECTED CEILING PLAN LEGEND**

**CEILING**

	EXISTING ACOUSTICAL TILE CEILING (4X24)		EXISTING GYPSUM CEILING - PAINTED
	EXISTING ACOUSTICAL TILE CEILING (4X24) TO BE REMOVED		EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
	NO CEILING		

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

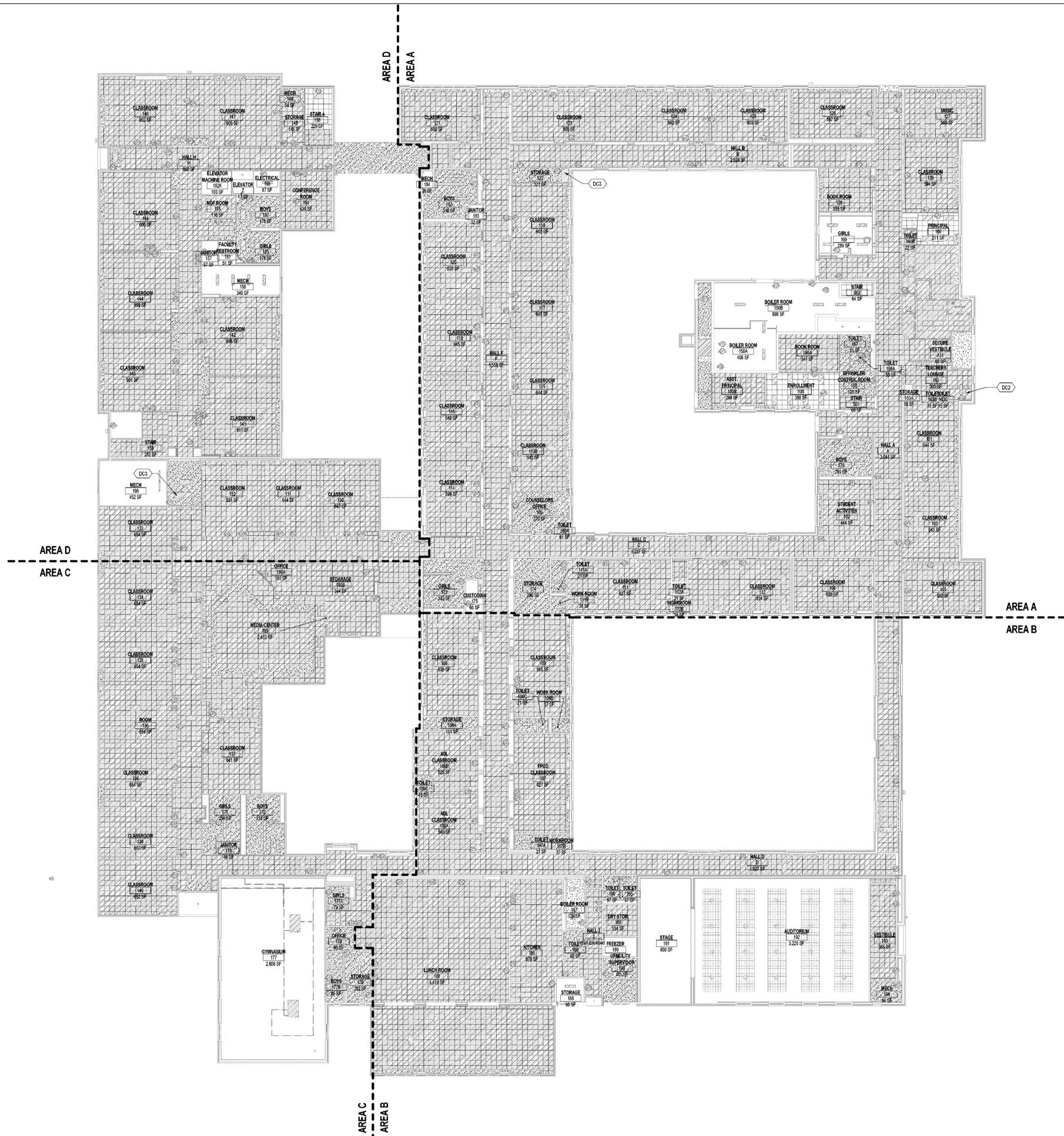
	1x4 RECESSED LIGHT FIXTURE TO BE REMOVED		DOWNLIGHT TO BE REMOVED
	LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	2x4 RECESSED LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
			PENDANT LIGHT FIXTURE TO BE REMOVED

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

	HVAC SUPPLY DIFFUSER TO BE REMOVED		HVAC RETURN DIFFUSER TO BE REMOVED
--	------------------------------------	--	------------------------------------

**MISCELLANEOUS**

	WALL MOUNTED FIRE ALARM TO BE REMOVED		WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
--	---------------------------------------	--	--



1 DEMOLITION REFLECTED CEILING PLAN  
 1/16" = 1'-0"



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DEMOLITION REFLECTED CEILING PLAN - LEVEL 1  
**5.01**

Autodesk Docs: 01850 Leila Cowart ES/2024 DSD LELA COWART ES\_024.rvt

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING SCALE AND ADJUST ACCORDINGLY

ONE INCH REVISIONS:

- 1. PATCH HOLE WHERE AIR DEVICE HAS BEEN REMOVED. TEXTURE AND PAINT TO MATCH ADJACENT.
- 2. INSTALL NEW 2X2 A/C CEILING, SPLICE INTO EXISTING CEILING FOR SEAMLESS APPEARANCE.
- 3. INSTALL NEW HARD CEILING TO MATCH EXISTING. TEXTURE AND PAINT TO MATCH EXISTING ADJACENT.
- 4. SCRAPE, PATCH ANY HOLES. TEXTURE AND PAINT TO MATCH ADJACENT.
- 5. PATCH AND REPAIR CEILING AS REQUIRED FOR HVAC WORK.

10/20/2024 4:55 PM

11/16/2024 10:58 AM

12/10/2024 10:58 AM

1/13/2025 10:58 AM

2/10/2025 10:58 AM

3/10/2025 10:58 AM

4/10/2025 10:58 AM

5/10/2025 10:58 AM

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4/10/2030 10:58 AM

5/10/2030 10:58 AM

REFLECTED CEILING PLAN NOTES:

- A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
- D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
- E. CEILING IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
- F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
- G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
- H. FINISHED CEILING HEIGHT IS 8'-0" UNLESS NOTED OTHERWISE.
- I. REPLACE ALL NON-LED LIGHTING FIXTURES WITH LED LIGHTING FIXTURES.
- J. INSTALL NEW FIRE ALARM DEVICES AND EMERGENCY LIGHTS IN PLACE OF EXISTING DEVICES TO BE DEMOLISHED. REFER TO ELECTRICAL.

GENERAL ACOUSTICAL NOTES

- 1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.
  - ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
    - EXISTING ELECTRICAL ROOM
    - ALL NEW RESTROOMS AND JANITOR ROOMS
    - ALL NEW EXAM ROOMS
    - ALL NEW OFFICES
    - ALL NEW MECHANICAL AND ELECTRICAL ROOMS
 REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
  - ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

REFLECTED CEILING PLAN LEGEND

**CEILING**

	EXISTING ACOUSTICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	NEW ACOUSTICAL TILE CEILING (24X24)		NEW GYPSUM CEILING - PAINTED
	NO CEILING		

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1x4 RECESSED LED LIGHT FIXTURE		DOWNLIGHT
	LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
	2x4 RECESSED LED LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
	PENDANT LIGHT FIXTURE		

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

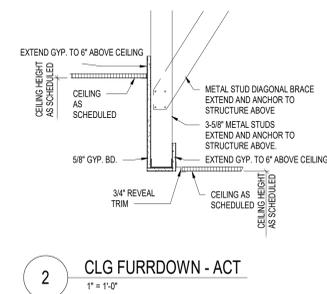
	HVAC SUPPLY DIFFUSER		HVAC RETURN DIFFUSER
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**MISCELLANEOUS**

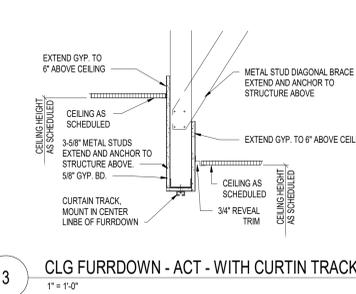
	WFA WALL MOUNTED FIRE ALARM		WEL WALL MOUNTED EMERGENCY LIGHT
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RCP PLAN NOTES BY NUMBER

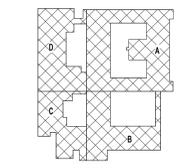
- R1 PATCH HOLE WHERE AIR DEVICE HAS BEEN REMOVED. TEXTURE AND PAINT TO MATCH ADJACENT.
- R2 INSTALL NEW 2X2 A/C CEILING, SPLICE INTO EXISTING CEILING FOR SEAMLESS APPEARANCE.
- R3 INSTALL NEW HARD CEILING TO MATCH EXISTING. TEXTURE AND PAINT TO MATCH EXISTING ADJACENT.
- R4 SCRAPE, PATCH ANY HOLES. TEXTURE AND PAINT TO MATCH ADJACENT.
- R5 PATCH AND REPAIR CEILING AS REQUIRED FOR HVAC WORK.



2 CLG FURRDOWN - ACT 1" = 1'-0"



3 CLG FURRDOWN - ACT - WITH CURTAIN TRACK 1" = 1'-0"



KEY PLAN



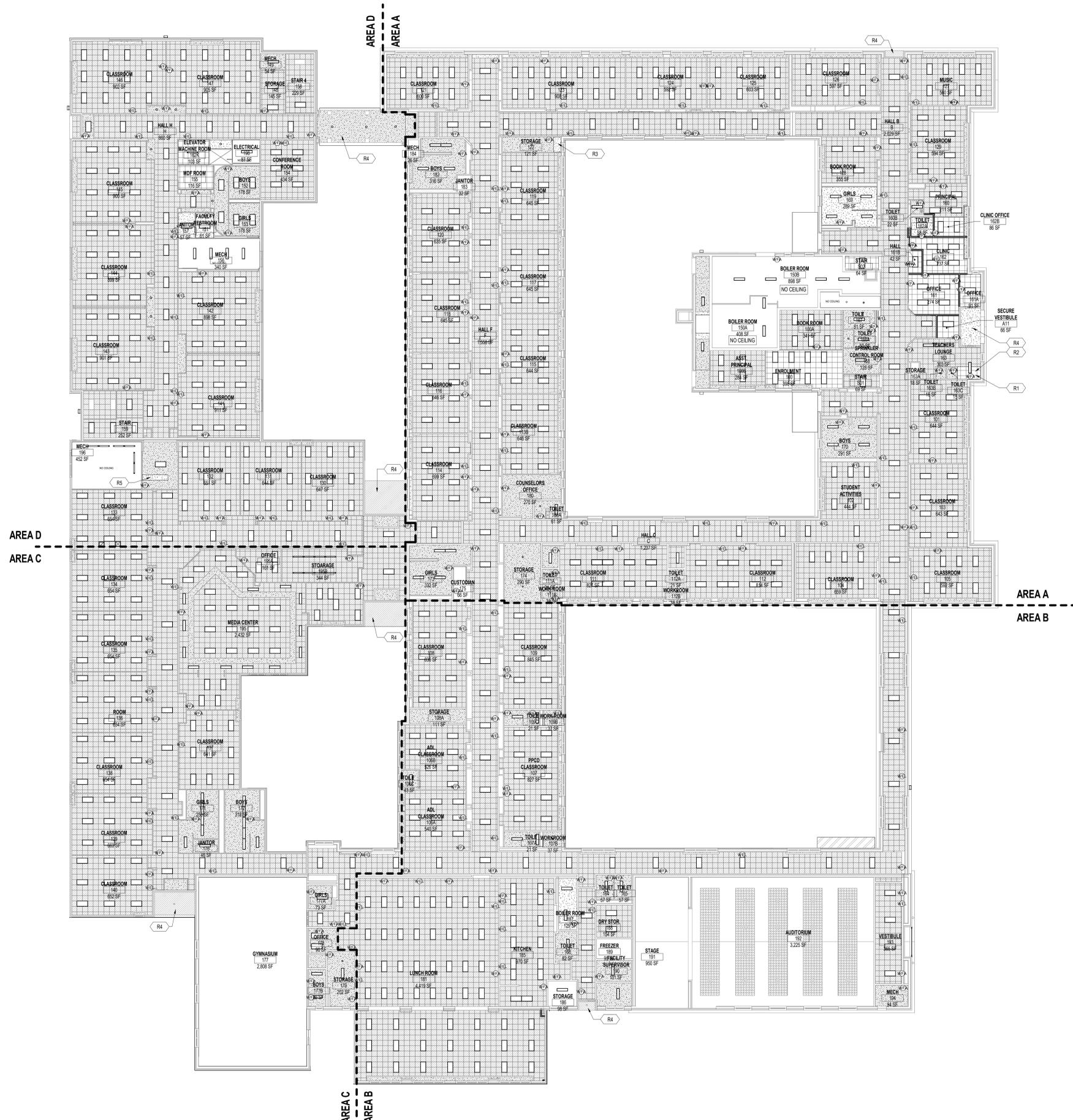
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OVERALL REFLECTED CEILING PLAN - LEVEL 1  
**5.02**

10/20/2024 4:55 PM



1 REFLECTED CEILING PLAN - LEVEL 1 1/16" = 1'-0"



Autodesk Docs: D:\SDS\Leila Cowart\ES\257\DISD\LEILA COWART ES\_024.rvt

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:

**GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:**

- A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN AS RED AND/OR DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
- C. DEMOLISH AND REMOVE ANY UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.
- D. SHOULD ACCESS TO ABOVE CEILING HVAC WORK REQUIRE REMOVAL OF CEILINGS NOT SHOWN ON THESE PLANS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IN ADVANCE FOR COORDINATION OF REPLACEMENT CEILINGS AND DISTURB AS LITTLE OF THE EXISTING CEILINGS AS POSSIBLE FOR REQUIRED WORK.

**DEMO RCP PLAN NOTES BY NUMBER** DCR

- DC1 REMOVE EXISTING CEILING
- DC2 REMOVE EXISTING DX SPLIT SYSTEM AND LOWERED CEILING. REFER TO MECHANICAL SHEETS.
- DC3 CAREFULLY REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW HVAC WORK.

**REFLECTED CEILING PLAN LEGEND**

**CEILINGS**

	EXISTING ACOUSTICAL TILE CEILING (2X2X4)		EXISTING GYPSUM CEILING - PAINTED
	EXISTING ACOUSTICAL TILE CEILING (2X2X4) TO BE REMOVED		EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
	NO CEILING		

**RECESSED LIGHT FIXTURE**

INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)

**LIGHTS (REFER E-SHEETS FOR SIZES)**

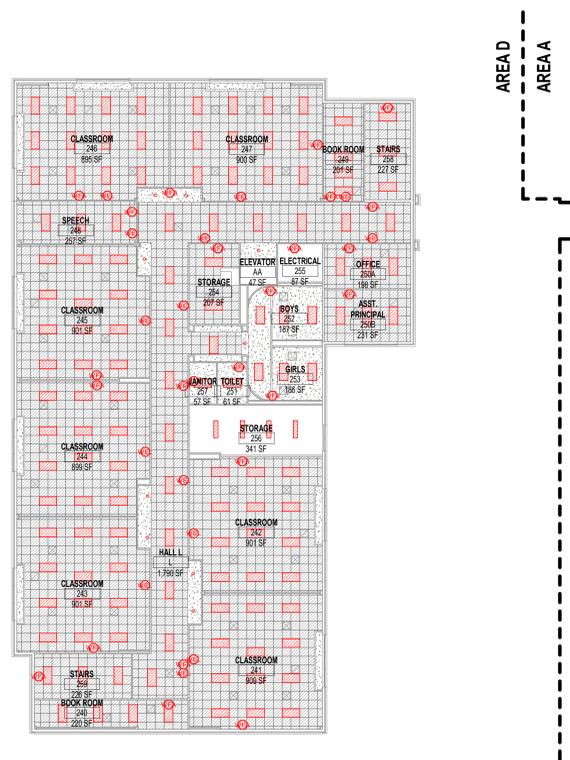
	1x4 RECESSED LIGHT FIXTURE TO BE REMOVED		DOWNLIGHT TO BE REMOVED
	LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	2x4 RECESSED LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	PENDANT LIGHT FIXTURE TO BE REMOVED		

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

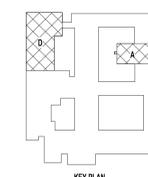
	HVAC SUPPLY DIFFUSER TO BE REMOVED		HVAC RETURN DIFFUSER TO BE REMOVED
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**MISCELLANEOUS**

	WALL MOUNTED FIRE ALARM TO BE REMOVED		WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
--	---------------------------------------	--	--



1 DEMOLITION REFLECTED CEILING PLAN - LEVEL 2  
 1/16" = 1'-0"



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DEMOLITION REFLECTED CEILING PLAN - LEVEL 2  
**5.03**

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:



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DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S PAVINIA DR., DALLAS, TX 75211

OVERALL REFLECTED CEILING PLAN - LEVEL 2  
**5.04**

**REFLECTED CEILING PLAN NOTES:**

- A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
- D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
- E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
- F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
- G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
- H. FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
- I. REPLACE ALL NON-LED LIGHTING FIXTURES WITH LED LIGHTING FIXTURES.
- J. INSTALL NEW FIRE ALARM DEVICES AND EMERGENCY LIGHTS IN PLACE OF EXISTING DEVICES TO BE DEMOLISHED. REFER TO ELECTRICAL.

**GENERAL ACOUSTICAL NOTES**

- 1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.  
 ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:  
 1. EXISTING ELECTRICAL ROOM  
 2. ALL NEW RESTROOMS AND JANITOR ROOMS  
 3. ALL NEW EXAM ROOMS  
 4. ALL NEW OFFICES  
 5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS  
 REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- 2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

**REFLECTED CEILING PLAN LEGEND**

**CEILING**

	EXISTING ACOUSTICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	NEW ACOUSTICAL TILE CEILING (24X24)		NEW GYPSUM CEILING - PAINTED
	NO CEILING		

**RECESSED LIGHT FIXTURE**

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1x4 RECESSED LED LIGHT FIXTURE		DOWNLIGHT
	LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
	2x4 RECESSED LED LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
	PENDANT LIGHT FIXTURE		

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

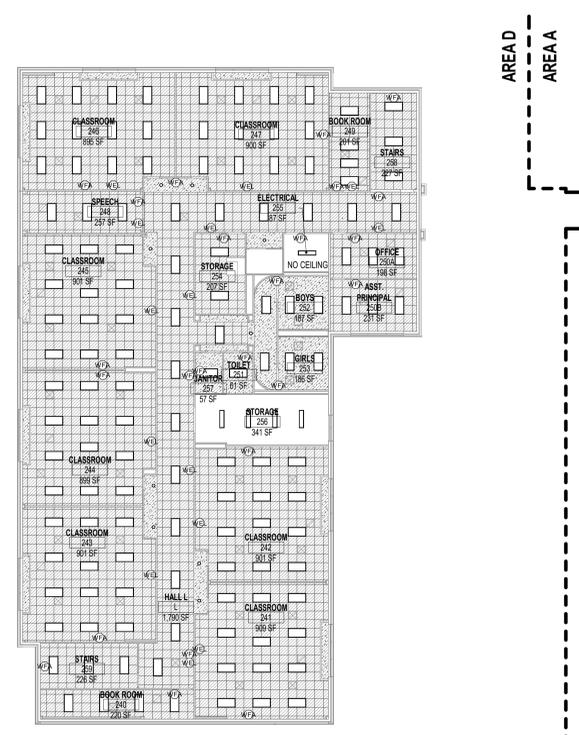
	HVAC SUPPLY DIFFUSER		HVAC RETURN DIFFUSER
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**MISCELLANEOUS**

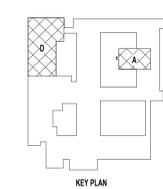
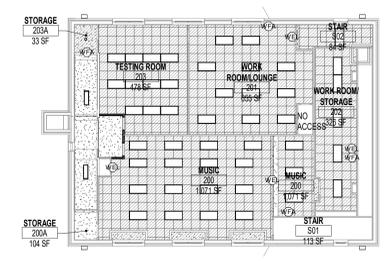
	WFA WALL MOUNTED FIRE ALARM		WEL WALL MOUNTED EMERGENCY LIGHT
--	-----------------------------	--	----------------------------------

**RCP PLAN NOTES BY NUMBER**

- R1 PATCH HOLE WHERE AIR DEVICE HAS BEEN REMOVED. TEXTURE AND PAINT TO MATCH ADJACENT.
- R2 INSTALL NEW 2X2 ACT CEILING. SPLICE INTO EXISTING CEILING FOR SEAMLESS APPEARANCE.
- R3 INSTALL NEW HARD CEILING TO MATCH EXISTING. TEXTURE AND PAINT TO MATCH EXISTING ADJACENT.
- R4 SCRAPE, PATCH ANY HOLES. TEXTURE AND PAINT TO MATCH ADJACENT.
- R5 PATCH AND REPAIR CEILING AS REQUIRED FOR HVAC WORK.



**1 REFLECTED CEILING PLANS - LEVEL 2**  
 1/16" = 1'-0"  
 NORTH



BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

- A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN AS RED AND/OR DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
- C. DEMOLISH AND REMOVE ANY UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.
- D. SHOULD ACCESS TO ABOVE CEILING HVAC WORK REQUIRE REMOVAL OF CEILINGS NOT SHOWN ON THESE PLANS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IN ADVANCE FOR COORDINATION OF REPLACEMENT CEILINGS AND DISTURB AS LITTLE OF THE EXISTING CEILINGS AS POSSIBLE FOR REQUIRED WORK.

REFLECTED CEILING PLAN LEGEND

**CEILING**

	EXISTING ACOUSTICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	EXISTING ACOUSTICAL TILE CEILING (24X24) TO BE REMOVED		EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
	NO CEILING		

**RECESSED LIGHT FIXTURE**

EQ. 3'0" (ACT. 3), 5'0" (ACT. 3), 6'0" (ACT. 4), 6'0" (ACT. 4)

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1x4 RECESSED LIGHT FIXTURE TO BE REMOVED		DOWNLIGHT TO BE REMOVED
	LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	2x4 RECESSED LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
			PENDANT LIGHT FIXTURE TO BE REMOVED

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

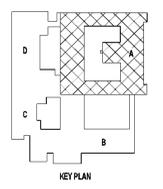
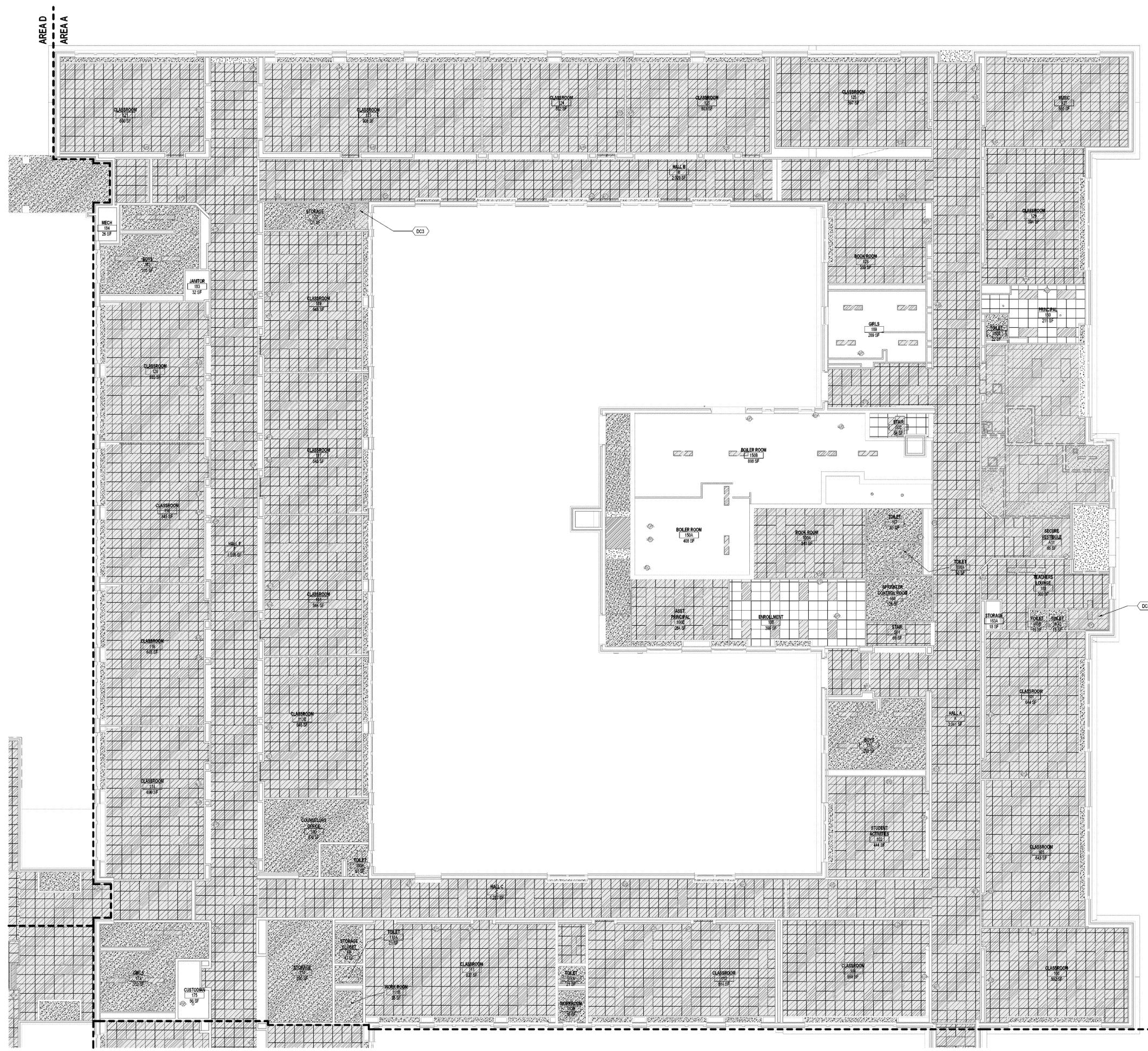
	HVAC SUPPLY DIFFUSER TO BE REMOVED		HVAC RETURN DIFFUSER TO BE REMOVED
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**MISCELLANEOUS**

	WALL MOUNTED FIRE ALARM TO BE REMOVED		WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
--	---------------------------------------	--	--

DEMO RCP PLAN NOTES BY NUMBER

- DC1 REMOVE EXISTING CEILING
- DC2 REMOVE EXISTING DX SPLIT SYSTEM AND LOWERED CEILING. REFER TO MECHANICAL SHEETS.
- DC3 CAREFULLY REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW HVAC WORK.



1 DEMOLITION REFLECTED CEILING PLAN - AREA A  
1/8" = 1'-0"



AREA A  
AREA B

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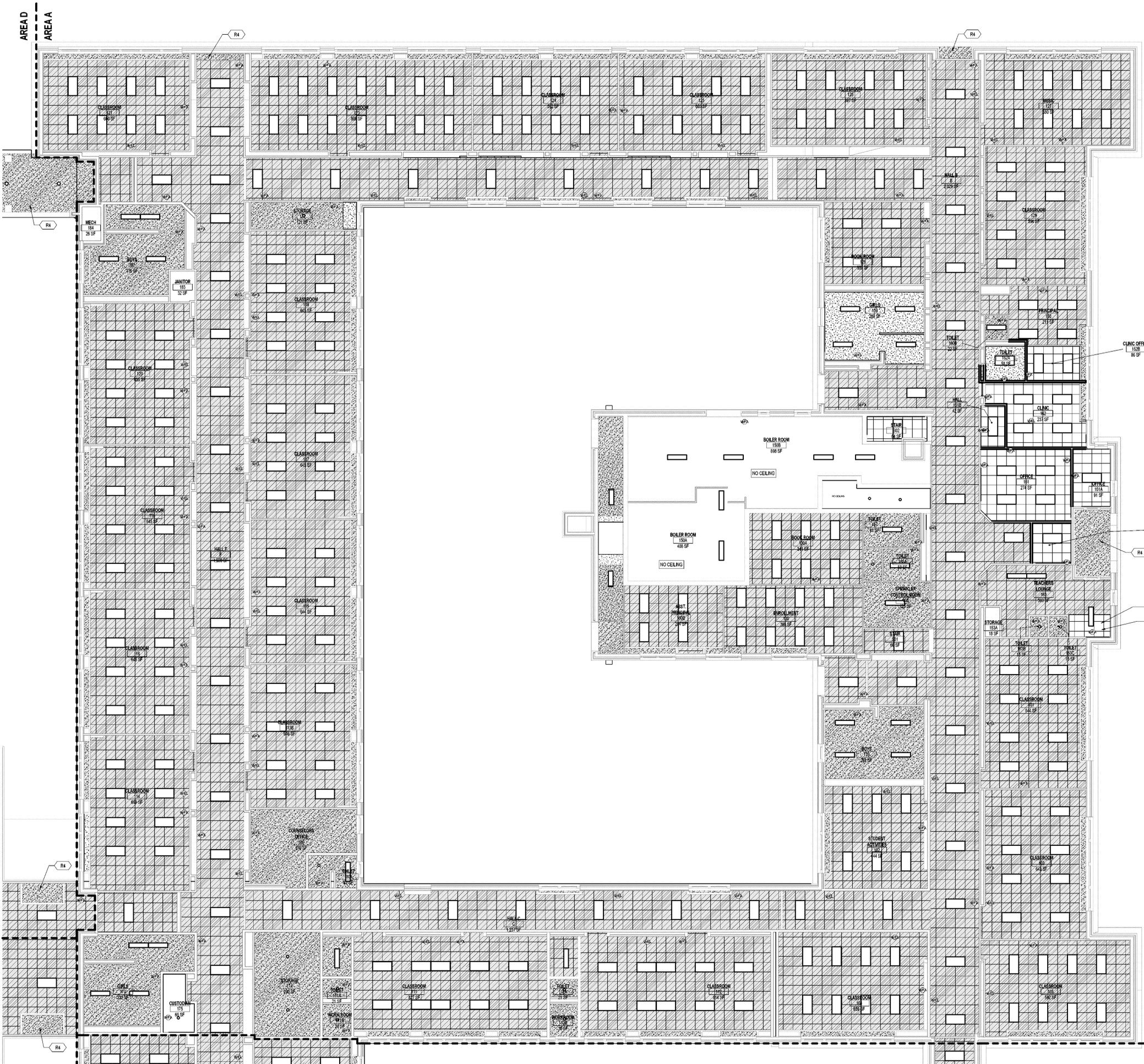
DEMOLITION REFLECTED CEILING PLAN - AREA A  
**5.05A**

Autodesk Docs:01850 with Content ES/207 DSD LEILA COWART ES\_024.rvt



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 1515 S PAVINIA DR., DALLAS, TX 75211



- REFLECTED CEILING PLAN NOTES:**
- LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
  - CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
  - ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
  - SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
  - CEILING IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
  - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
  - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
  - FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
  - REPLACE ALL NON-LED LIGHTING FIXTURES WITH LED LIGHTING FIXTURES.
  - INSTALL NEW FIRE ALARM DEVICES AND EMERGENCY LIGHTS IN PLACE OF EXISTING DEVICES TO BE DEMOLISHED, REFER TO ELECTRICAL.

- GENERAL ACOUSTICAL NOTES**
- EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.  
 ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:  
 1. EXISTING ELECTRICAL ROOM  
 2. ALL NEW RESTROOMS AND JANITOR ROOMS  
 3. ALL NEW EXAM ROOMS  
 4. ALL NEW OFFICES  
 5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS  
 REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

**REFLECTED CEILING PLAN LEGEND**

**CEILING**

- EXISTING ACOUSTICAL TILE CEILING (24X24)
- EXISTING GYPSUM CEILING - PAINTED
- NEW ACOUSTICAL TILE CEILING (24X24)
- NEW GYPSUM CEILING - PAINTED
- NO CEILING

**RECESSED LIGHT FIXTURE**

EQ 3'0" (ACT 3), 3'0" (ACT 3), 3'0" (ACT 4), 3'0" (ACT 4)

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIDE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

- 1M RECESSED LIGHT FIXTURE
- 2M RECESSED LIGHT FIXTURE
- DOWNLIGHT
- SUSPENDED STRIP LIGHT FIXTURE
- SUSPENDED STRIP LIGHT FIXTURE
- PENDANT LIGHT FIXTURE

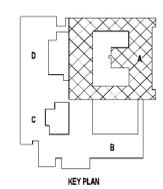
**MECHANICAL (REFER M-SHEETS FOR SIZES)**

- HVAC SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER

**MISCELLANEOUS**

- WALL MOUNTED FIRE ALARM
- WALL MOUNTED EMERGENCY LIGHT

- RCP PLAN NOTES BY NUMBER**
- PATCH HOLE WHERE AIR DEVICE HAS BEEN REMOVED, TEXTURE AND PAINT TO MATCH ADJACENT.
  - INSTALL NEW 2X2 ACT CEILING, SPLICE INTO EXISTING CEILING FOR SEAMLESS APPEARANCE.
  - INSTALL NEW HARD CEILING TO MATCH EXISTING, TEXTURE AND PAINT TO MATCH EXISTING ADJACENT.
  - SCRAPE PATCH ANY HOLES, TEXTURE AND PAINT TO MATCH ADJACENT.
  - PATCH AND REPAIR CEILING AS REQUIRED FOR HVAC WORK.



1 REFLECTED CEILING PLAN - AREA A  
 1/8" = 1'-0"  
 NORTH

Autodesk Docs (iBIM) with Content ES/207 DSD LEILA COWART ES\_05A.rvt

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 1515 S PAVINIA DR., DALLAS, TX 75211

DEMOLITION REFLECTED CEILING PLAN - AREA B  
 5.06A  
 10/23/2024 14:05:39 PM

AREA A  
 AREA B

**GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:**

- A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN AS RED AND/OR DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
- C. DEMOLISH AND REMOVE ANY UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.
- D. SHOULD ACCESS TO ABOVE CEILING HVAC WORK REQUIRE REMOVAL OF CEILINGS NOT SHOWN ON THESE PLANS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IN ADVANCE FOR COORDINATION OF REPLACEMENT CEILINGS AND DISTURB AS LITTLE OF THE EXISTING CEILINGS AS POSSIBLE FOR REQUIRED WORK.

**REFLECTED CEILING PLAN LEGEND**

**CEILING**

	EXISTING ACoustICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	EXISTING ACoustICAL TILE CEILING (24X24) TO BE REMOVED		EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
	NO CEILING		

**RECESSED LIGHT FIXTURE**

ED 5'-0" (ACT 3) 5'-0" (ACT 3) ED  
 6'-0" (ACT 4) 6'-0" (ACT 4)

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1x4 RECESSED LIGHT FIXTURE TO BE REMOVED		DOWNLIGHT TO BE REMOVED
	LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	2x4 RECESSED LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
			PENDANT LIGHT FIXTURE TO BE REMOVED

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

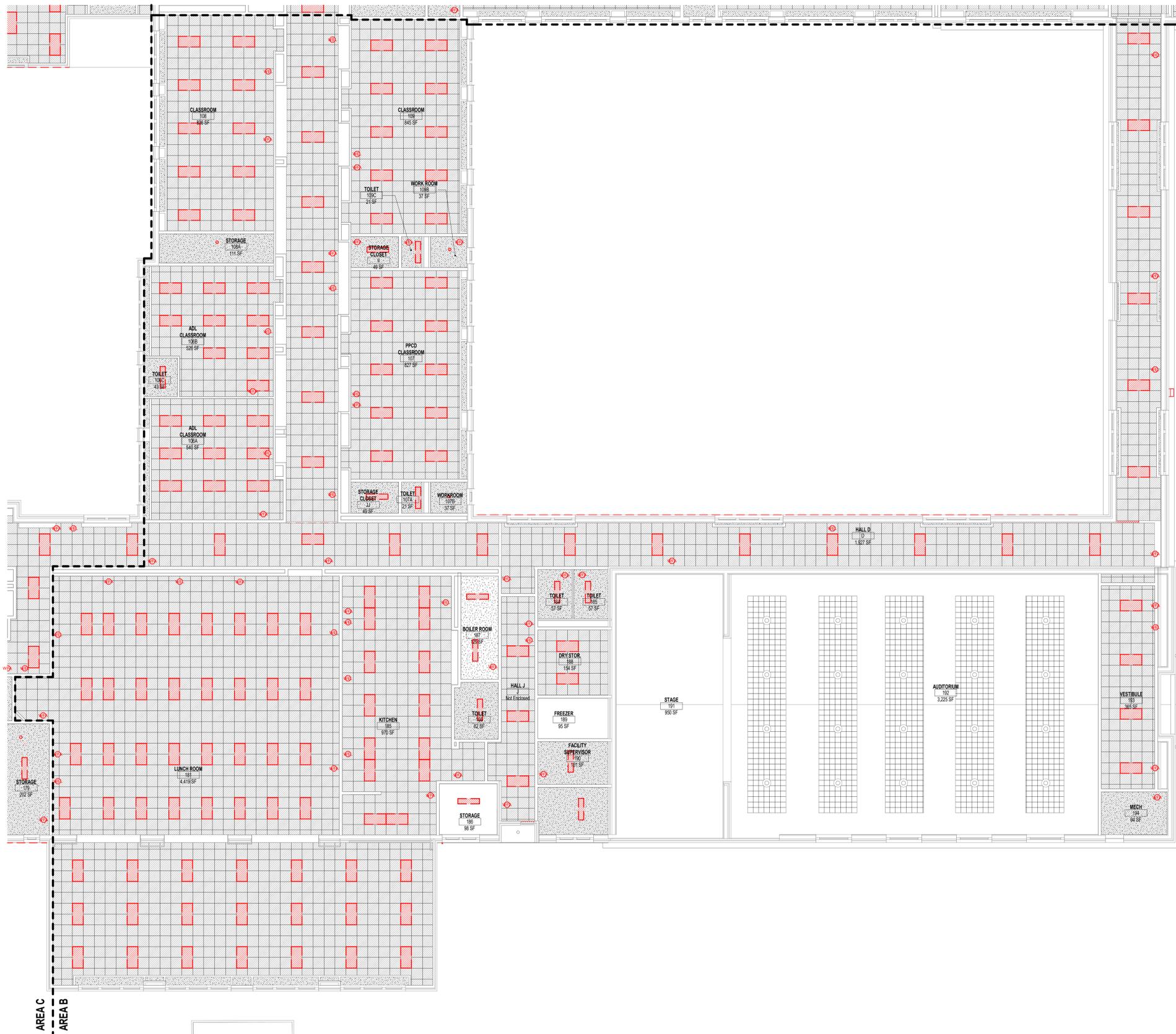
	HVAC SUPPLY DIFFUSER TO BE REMOVED		HVAC RETURN DIFFUSER TO BE REMOVED
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**MISCELLANEOUS**

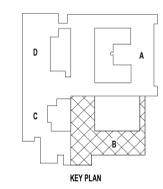
	WALL MOUNTED FIRE ALARM TO BE REMOVED		WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
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**DEMO RCP PLAN NOTES BY NUMBER** DC#

- DC1 REMOVE EXISTING CEILING
- DC2 REMOVE EXISTING DX SPLIT SYSTEM AND LOWERED CEILING. REFER TO MECHANICAL SHEETS.
- DC3 CAREFULLY REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW HVAC WORK.



1 DEMOLITION REFLECTED CEILING PLAN - AREA B  
 1/8" = 1'-0"  
 NORTH



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Autodesk Docs: D:\SD\Leila Cowart\ES\25P\DISD\LEILA COWART ES\_RCP.rvt

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

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REFLECTED CEILING PLAN - AREA B  
5.06B

10/23/2024 1:05:47 PM

AREA A  
AREA B

- REFLECTED CEILING PLAN NOTES:**
- A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
  - B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
  - C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
  - D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
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  - F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
  - G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
  - H. FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
  - I. REPLACE ALL NON-LED LIGHTING FIXTURES WITH LED LIGHTING FIXTURES.
  - J. INSTALL NEW FIRE ALARM DEVICES AND EMERGENCY LIGHTS IN PLACE OF EXISTING DEVICES TO BE DEMOLISHED. REFER TO ELECTRICAL.

- GENERAL ACOUSTICAL NOTES**
1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE ADJACENT ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.
    - ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
      1. EXISTING ELECTRICAL ROOM
      2. ALL NEW RESTROOMS AND JANITOR ROOMS
      3. ALL NEW EXAM ROOMS
      4. ALL NEW OFFICES
      5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS
 REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
    - 2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

**REFLECTED CEILING PLAN LEGEND**

**CEILING**

	EXISTING ACOUSTICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	NEW ACOUSTICAL TILE CEILING (24X24)		NEW GYPSUM CEILING - PAINTED
	NO CEILING		

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1x4 RECESSED LED LIGHT FIXTURE		DOWNLIGHT
	2x4 RECESSED LED LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
	PENDANT LIGHT FIXTURE		

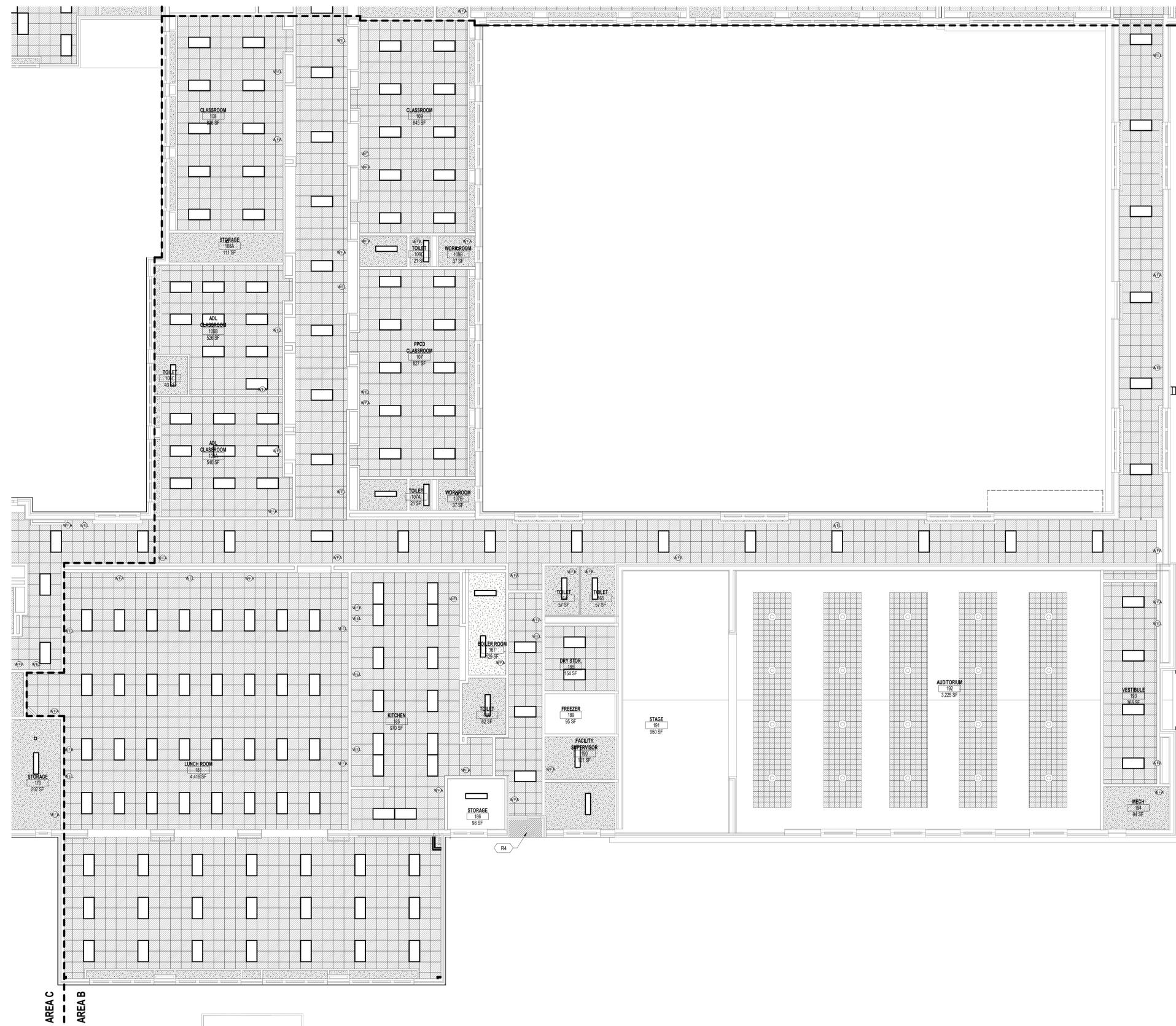
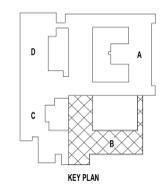
**MECHANICAL (REFER M-SHEETS FOR SIZES)**

	HVAC SUPPLY DIFFUSER		HVAC RETURN DIFFUSER
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**MISCELLANEOUS**

	WALL MOUNTED FIRE ALARM		WALL MOUNTED EMERGENCY LIGHT
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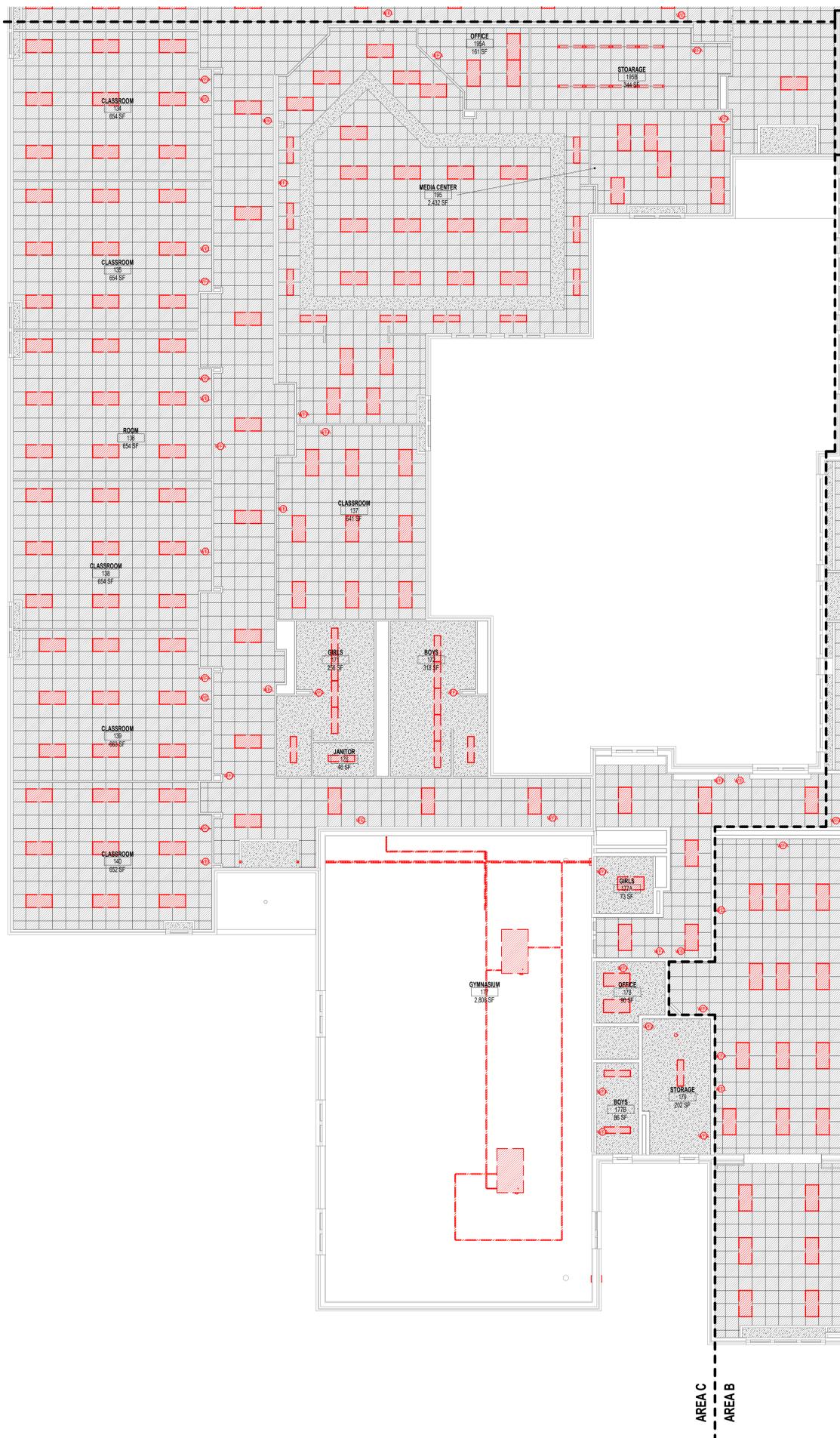
- RCP PLAN NOTES BY NUMBER**
- R1. PATCH HOLE WHERE AIR DEVICE HAS BEEN REMOVED. TEXTURE AND PAINT TO MATCH ADJACENT.
  - R2. INSTALL NEW 2X2 ACT CEILING, SPLICE INTO EXISTING CEILING FOR SEAMLESS APPEARANCE.
  - R3. INSTALL NEW HARD CEILING TO MATCH EXISTING. TEXTURE AND PAINT TO MATCH EXISTING ADJACENT.
  - R4. SCRAPE, PATCH ANY HOLES. TEXTURE AND PAINT TO MATCH ADJACENT.
  - R5. PATCH AND REPAIR CEILING AS REQUIRED FOR HVAC WORK.



1 REFLECTED CEILING PLAN - AREA B  
1/8" = 1'-0"

Autodesk Docs: D:\SD - Leila Cowart\ES\257\DRS\LEILA COWART ES\_R24.rvt

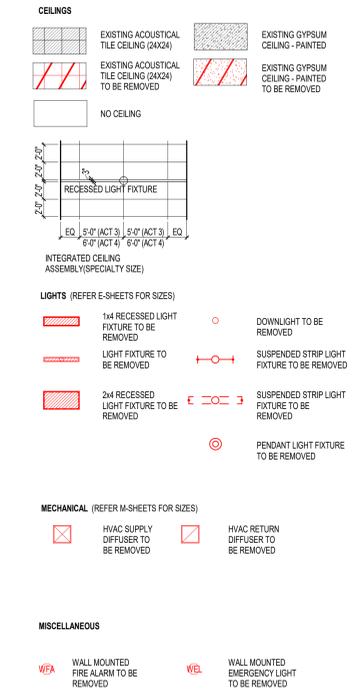
AREA D  
AREA C



**GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:**

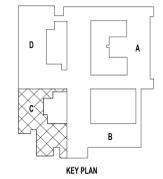
- A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN AS RED AND/OR DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILING. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
- C. DEMOLISH AND REMOVE ANY UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.
- D. SHOULD ACCESS TO ABOVE CEILING HVAC WORK REQUIRE REMOVAL OF CEILING NOT SHOWN ON THESE PLANS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IN ADVANCE FOR COORDINATION OF REPLACEMENT CEILING AND DISTURB AS LITTLE OF THE EXISTING CEILING AS POSSIBLE FOR REQUIRED WORK.

**REFLECTED CEILING PLAN LEGEND**



**DEMO RCP PLAN NOTES BY NUMBER** DC#

- DC1 REMOVE EXISTING CEILING
- DC2 REMOVE EXISTING DX SPLIT SYSTEM AND LOWERED CEILING. REFER TO MECHANICAL SHEETS.
- DC3 CAREFULLY REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW HVAC WORK.



COMM. NO. 1287  
DATE 10/17/2024  
DRAWN DE  
CHECKED TM

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DALLAS INDEPENDENT SCHOOL DISTRICT  
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DEMOLITION REFLECTED CEILING PLAN - AREA C  
**5.07A**

1 DEMOLITION REFLECTED CEILING PLAN - AREA C  
1/8" = 1'-0"



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**REFLECTED CEILING PLAN NOTES:**

- A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
- D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
- E. CEILING IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
- F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
- G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
- H. FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
- I. REPLACE ALL NON-LED LIGHTING FIXTURES WITH LED LIGHTING FIXTURES.
- J. INSTALL NEW FIRE ALARM DEVICES AND EMERGENCY LIGHTS IN PLACE OF EXISTING DEVICES TO BE DEMOLISHED. REFER TO ELECTRICAL.

**GENERAL ACOUSTICAL NOTES**

- 1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.  
 ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:  
 1. EXISTING ELECTRICAL ROOM  
 2. ALL NEW RESTROOMS AND JANITOR ROOMS  
 3. ALL NEW EXAM ROOMS  
 4. ALL NEW OFFICES  
 5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS  
 REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- 2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

**REFLECTED CEILING PLAN LEGEND**

**CEILING**

	EXISTING ACOUSTICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	NEW ACOUSTICAL TILE CEILING (24X24)		NEW GYPSUM CEILING - PAINTED
	NO CEILING		

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1/4\"/>		DOWNLIGHT
	LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
	2/4\"/>		SUSPENDED STRIP LIGHT FIXTURE
	PENDANT LIGHT FIXTURE		

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

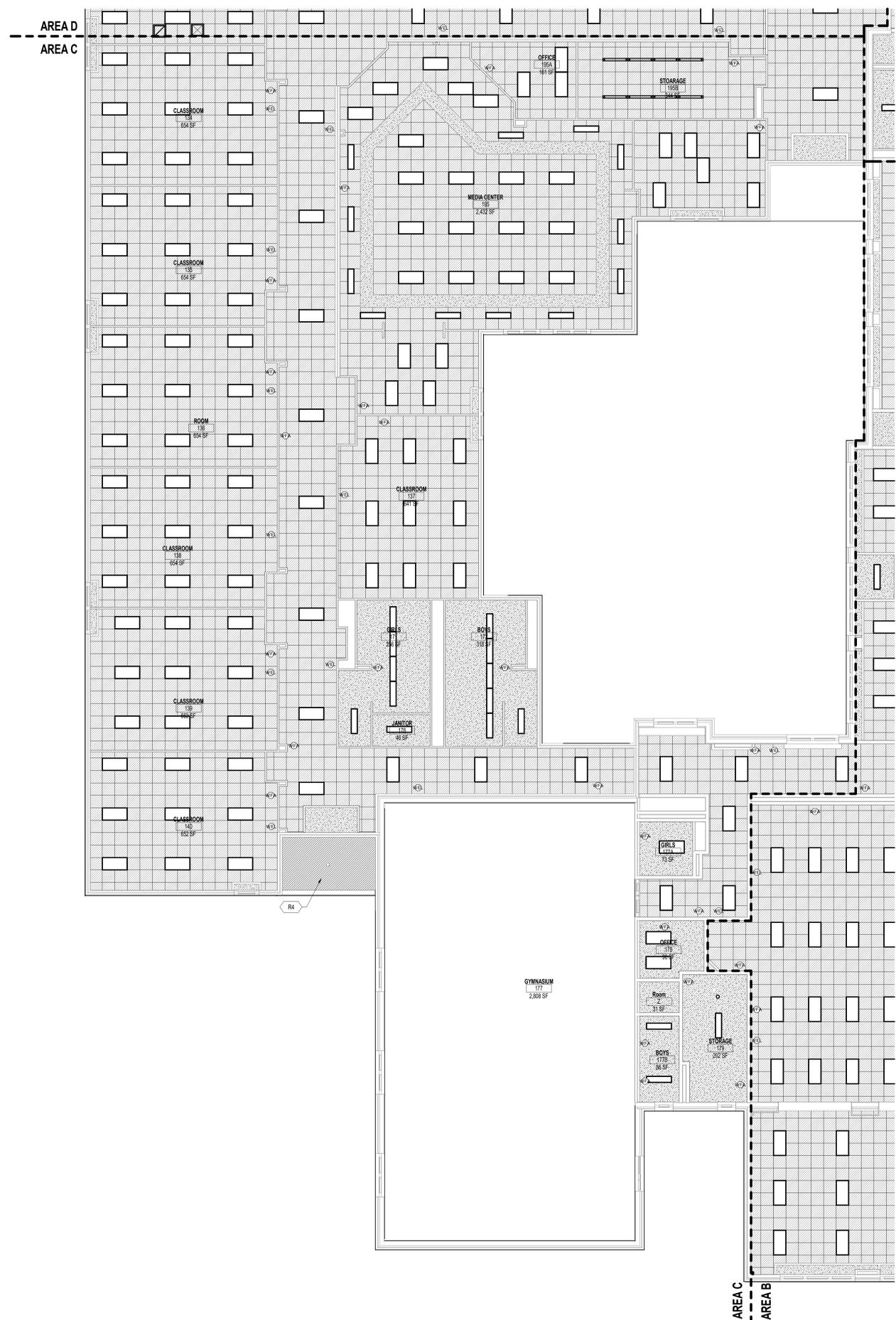
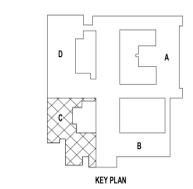
	HVAC SUPPLY DIFFUSER		HVAC RETURN DIFFUSER
--	----------------------	--	----------------------

**MISCELLANEOUS**

	WALL MOUNTED FIRE ALARM		WALL MOUNTED EMERGENCY LIGHT
--	-------------------------	--	------------------------------

**RCP PLAN NOTES BY NUMBER**

- R1 PATCH HOLE WHERE AIR DEVICE HAS BEEN REMOVED. TEXTURE AND PAINT TO MATCH ADJACENT.
- R2 INSTALL NEW 2X2 ACT CEILING, SPLICE INTO EXISTING CEILING FOR SEAMLESS APPEARANCE.
- R3 INSTALL NEW HARD CEILING TO MATCH EXISTING. TEXTURE AND PAINT TO MATCH EXISTING ADJACENT.
- R4 SCRAPE, PATCH ANY HOLES. TEXTURE AND PAINT TO MATCH ADJACENT.
- R5 PATCH AND REPAIR CEILING AS REQUIRED FOR HVAC WORK.



**1 REFLECTED CEILING PLAN - AREA C**  
 1/8" = 1'-0"  
 NORTH

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DEMOLITION REFLECTED CEILING PLAN - AREA D  
**5.08A**

**GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:**

- A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN AS RED AND/OR DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT REUSED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
- C. DEMOLISH AND REMOVE ANY UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.
- D. SHOULD ACCESS TO ABOVE CEILING HVAC WORK REQUIRE REMOVAL OF CEILINGS NOT SHOWN ON THESE PLANS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IN ADVANCE FOR COORDINATION OF REPLACEMENT CEILINGS AND DISTURB AS LITTLE OF THE EXISTING CEILINGS AS POSSIBLE FOR REQUIRED WORK.

**REFLECTED CEILING PLAN LEGEND**

**CEILINGS**

	EXISTING ACoustical TILE CEILING (24x24)		EXISTING GYPSUM CEILING - PAINTED
	EXISTING ACoustical TILE CEILING (24x24) TO BE REMOVED		EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
	NO CEILING		

**RECESSED LIGHT FIXTURE**

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1x4 RECESSED LIGHT FIXTURE TO BE REMOVED		DOWNLIGHT TO BE REMOVED
	LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	2x4 RECESSED LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
			PENDANT LIGHT FIXTURE TO BE REMOVED

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

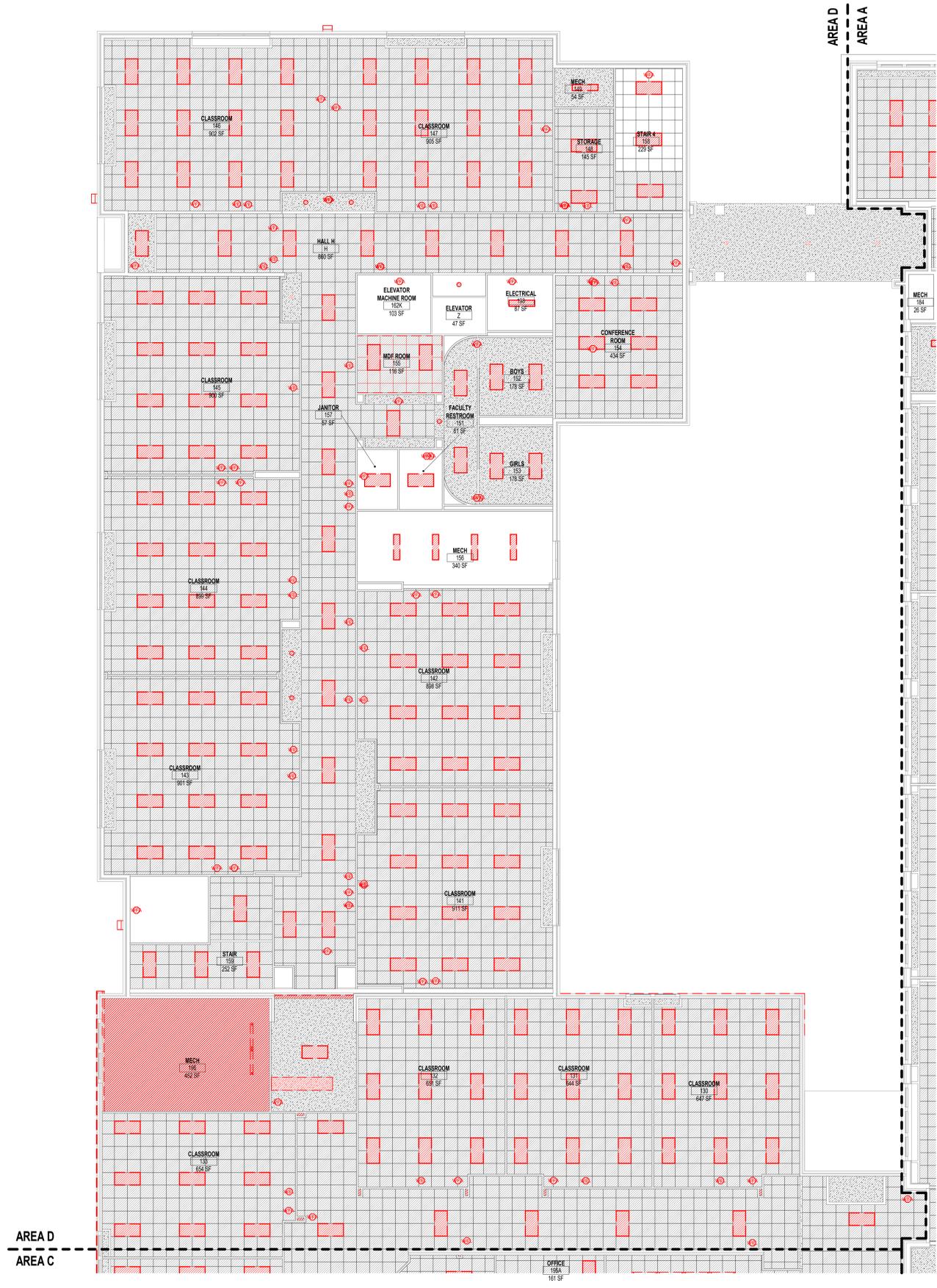
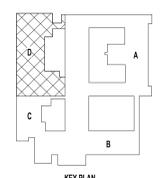
	HVAC SUPPLY DIFFUSER TO BE REMOVED		HVAC RETURN DIFFUSER TO BE REMOVED
--	------------------------------------	--	------------------------------------

**MISCELLANEOUS**

	WALL MOUNTED FIRE ALARM TO BE REMOVED		WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
--	---------------------------------------	--	--

**DEMO RCP PLAN NOTES BY NUMBER** DCP

- DC1 REMOVE EXISTING CEILING
- DC2 REMOVE EXISTING DX SPLIT SYSTEM AND LOWERED CEILING. REFER TO MECHANICAL SHEETS.
- DC3 CAREFULLY REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW HVAC WORK.



**1** DEMOLITION REFLECTED CEILING PLAN - AREA D  
 1/8" = 1'-0"

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ONE INCH

REVISIONS:

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

- A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
- B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN AS RED AND/OR DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
- C. DEMOLISH AND REMOVE ANY UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.
- D. SHOULD ACCESS TO ABOVE CEILING HVAC WORK REQUIRE REMOVAL OF CEILINGS NOT SHOWN ON THESE PLANS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IN ADVANCE FOR COORDINATION OF REPLACEMENT CEILINGS AND DISTURB AS LITTLE OF THE EXISTING CEILINGS AS POSSIBLE FOR REQUIRED WORK.

DEMO RCP PLAN NOTES BY NUMBER DC#

- DC1 REMOVE EXISTING CEILING
- DC2 REMOVE EXISTING DX SPLIT SYSTEM AND LOWERED CEILING. REFER TO MECHANICAL SHEETS.
- DC3 CAREFULLY REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW HVAC WORK.

REFLECTED CEILING PLAN LEGEND

**CEILING**

	EXISTING ACoustICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	EXISTING ACoustICAL TILE CEILING (24X24) TO BE REMOVED		EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
	NO CEILING		

**RECESSED LIGHT FIXTURE**

EQ 5'-0" (ACT 3) 5'-0" (ACT 3) 6'-0" (ACT 4) 6'-0" (ACT 4) EQ

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

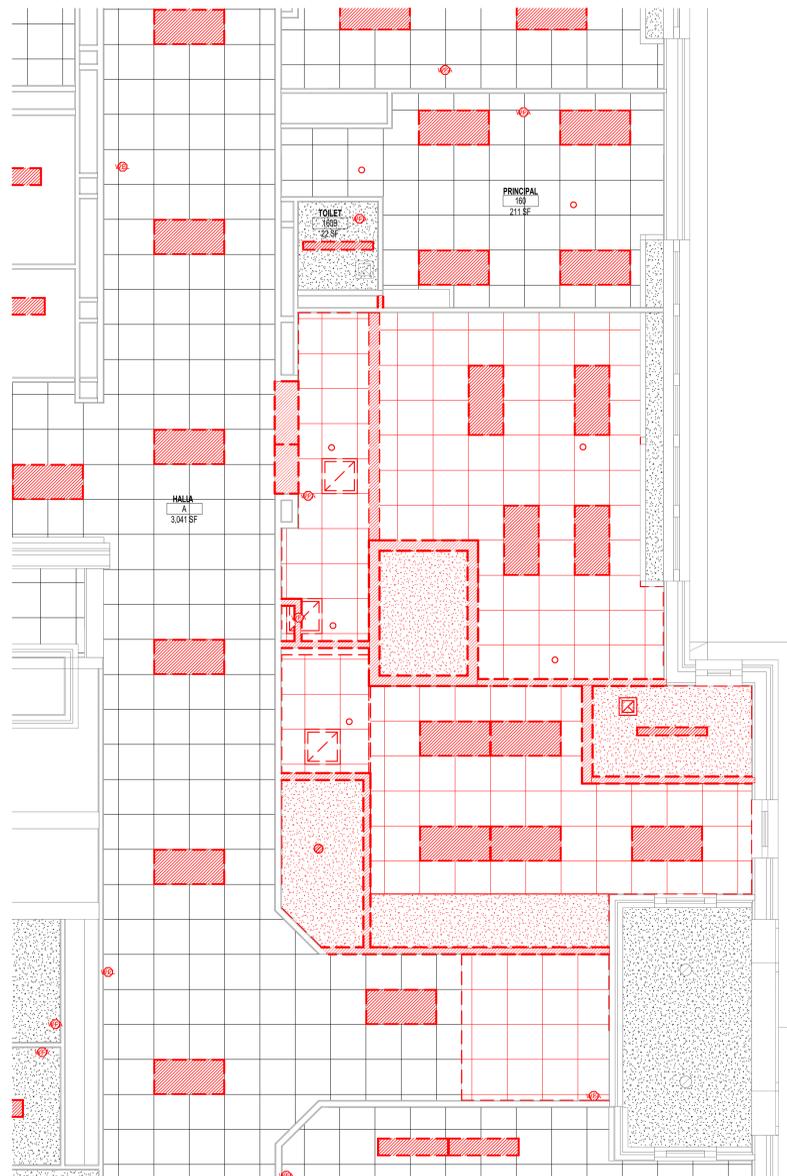
	1x4 RECESSED LIGHT FIXTURE TO BE REMOVED		DOWNLIGHT TO BE REMOVED
	LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	2x4 RECESSED LIGHT FIXTURE TO BE REMOVED		SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
	PENDANT LIGHT FIXTURE TO BE REMOVED		

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

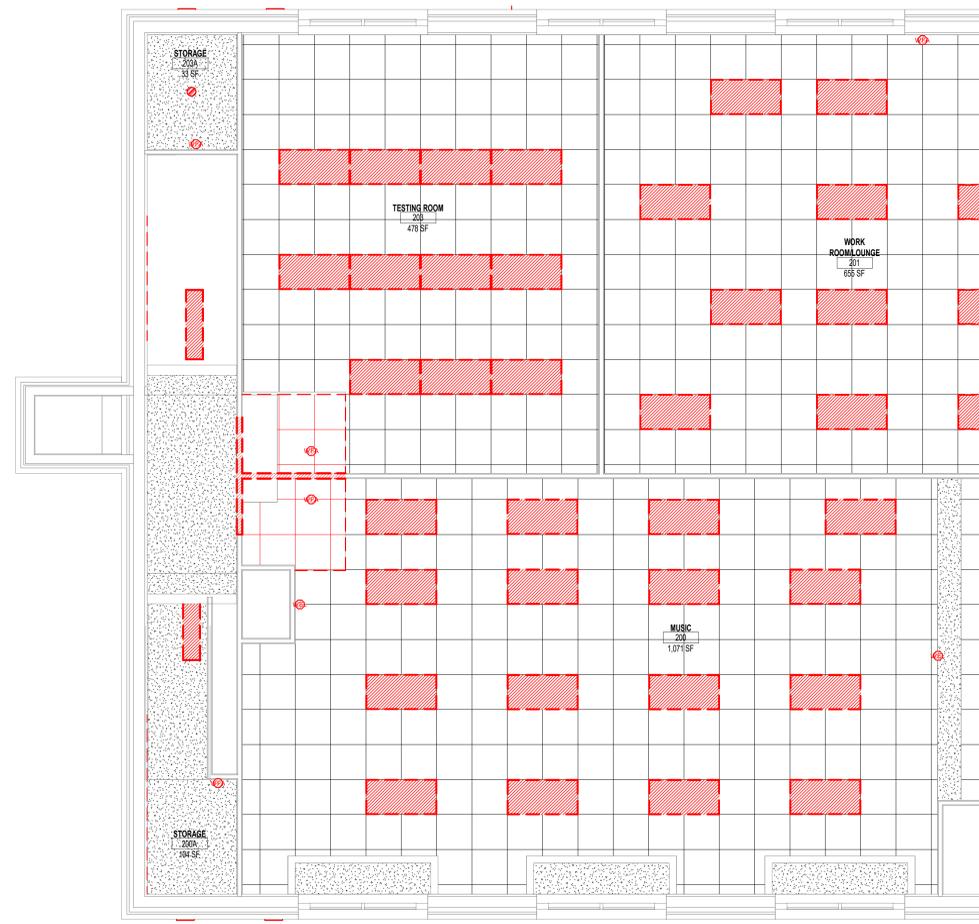
	HVAC SUPPLY DIFFUSER TO BE REMOVED		HVAC RETURN DIFFUSER TO BE REMOVED
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**MISCELLANEOUS**

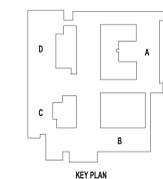
	WALL MOUNTED FIRE ALARM TO BE REMOVED		WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
--	---------------------------------------	--	--



2 ENLARGED DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR - ENLARGED  
1/4" = 1'-0"



3 ENLARGED DEMOLITION REFLECTED CEILING PLAN - LEVEL 2 - ENLARGED  
1/4" = 1'-0"



KEY PLAN



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REFLECTED CEILING PLAN - DEMOLITION ENLARGED PLANS  
**5.09A**



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**REFLECTED CEILING PLAN NOTES:**

- A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
- C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.
- D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.
- E. CEILING IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.
- F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.
- G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.
- H. FINISHED CEILING HEIGHT IS 9'-0" UNLESS NOTED OTHERWISE.
- I. REPLACE ALL NON-LED LIGHTING FIXTURES WITH LED LIGHTING FIXTURES.
- J. INSTALL NEW FIRE ALARM DEVICES AND EMERGENCY LIGHTS IN PLACE OF EXISTING DEVICES TO BE DEMOLISHED, REFER TO ELECTRICAL.

**GENERAL ACOUSTICAL NOTES**

- 1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.  
 ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:  
 1. EXISTING ELECTRICAL ROOM  
 2. ALL NEW RESTROOMS AND JANITOR ROOMS  
 3. ALL NEW EXAM ROOMS  
 4. ALL NEW OFFICES  
 5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS  
 REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- 2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

**REFLECTED CEILING PLAN LEGEND**

**CEILING**

	EXISTING ACOUSTICAL TILE CEILING (24X24)		EXISTING GYPSUM CEILING - PAINTED
	NEW ACOUSTICAL TILE CEILING (24X24)		NEW GYPSUM CEILING - PAINTED
	NO CEILING		

**RECESSED LIGHT FIXTURE**

EQ 5'-0" (ACT 3), 5'-0" (ACT 3), EQ  
 6'-0" (ACT 4), 6'-0" (ACT 4)

**INTEGRATED CEILING ASSEMBLY (SPECIALTY SIZE)**

**LIGHTS (REFER E-SHEETS FOR SIZES)**

	1x4 RECESSED LED LIGHT FIXTURE		DOWNLIGHT
	LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
	2x4 RECESSED LED LIGHT FIXTURE		SUSPENDED STRIP LIGHT FIXTURE
			PENDANT LIGHT FIXTURE

**MECHANICAL (REFER M-SHEETS FOR SIZES)**

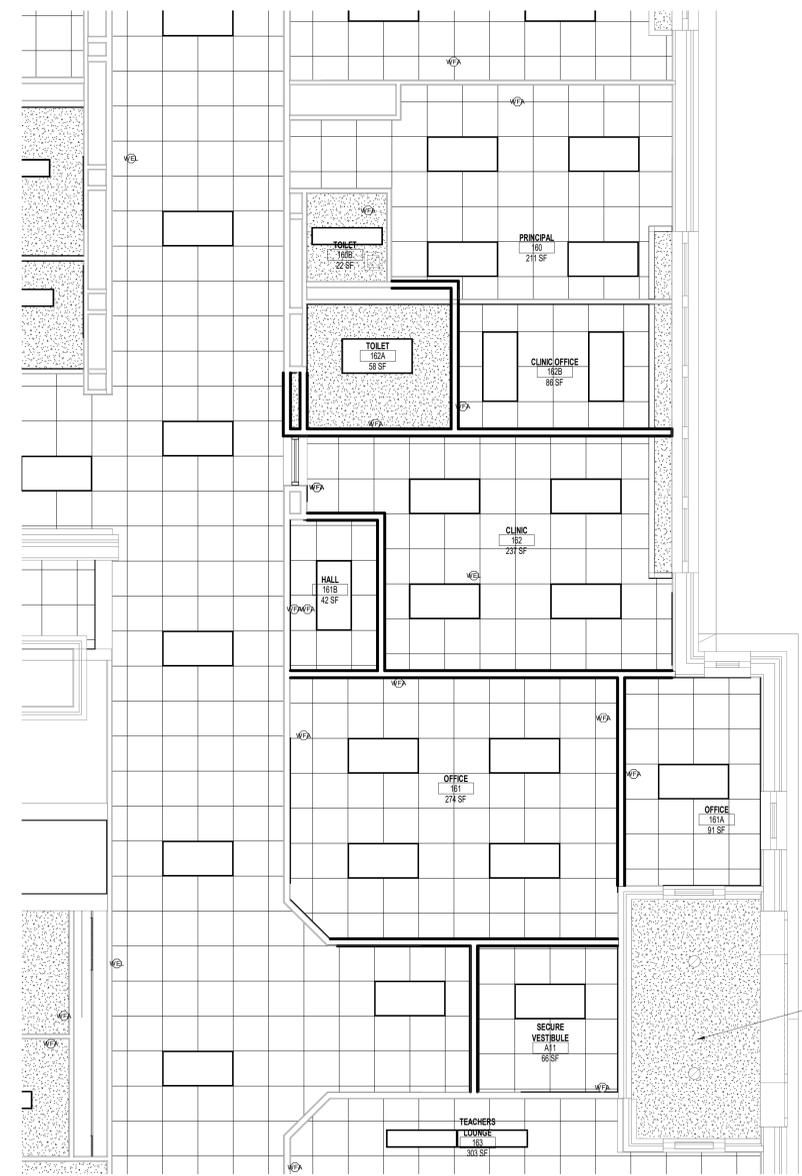
	HVAC SUPPLY DIFFUSER		HVAC RETURN DIFFUSER
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**MISCELLANEOUS**

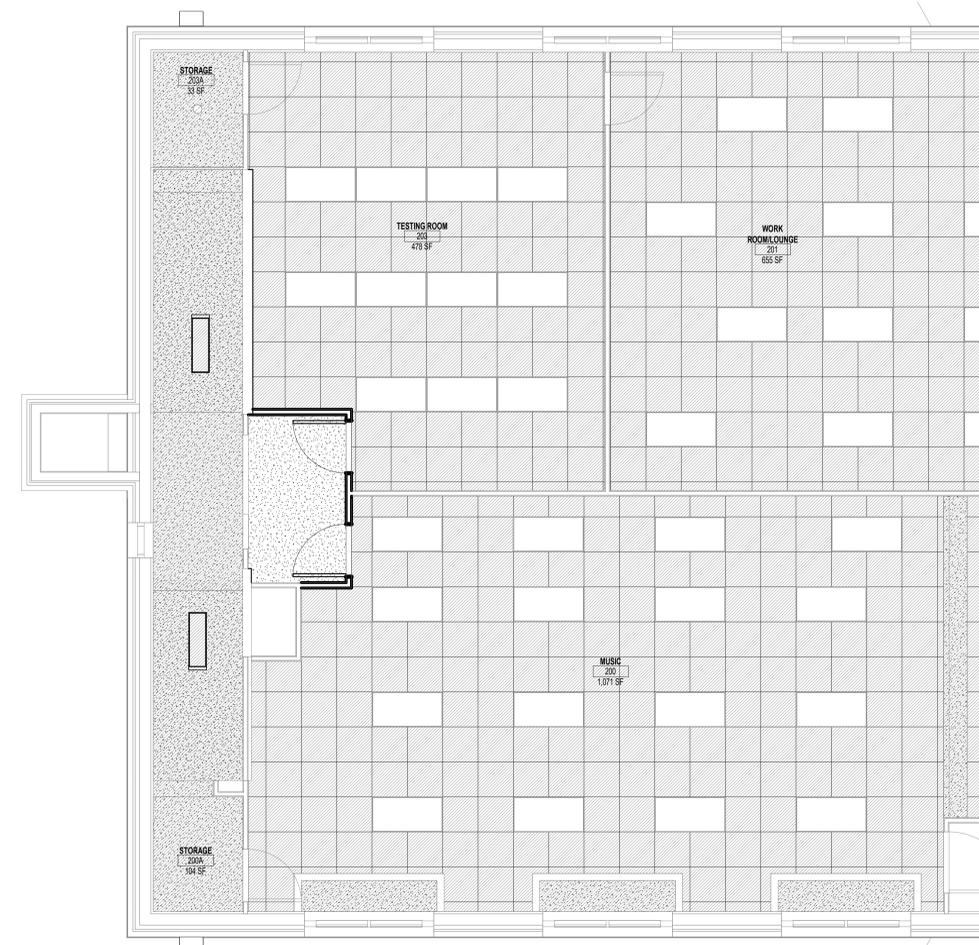
	WFA WALL MOUNTED FIRE ALARM		WEL WALL MOUNTED EMERGENCY LIGHT
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**RCP PLAN NOTES BY NUMBER**

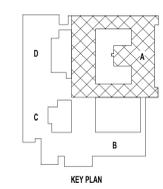
- R1 PATCH HOLE WHERE AIR DEVICE HAS BEEN REMOVED, TEXTURE AND PAINT TO MATCH ADJACENT.
- R2 INSTALL NEW 2X2 ACT CEILING, SPLICE INTO EXISTING CEILING FOR SEAMLESS APPEARANCE.
- R3 INSTALL NEW HARD CEILING TO MATCH EXISTING, TEXTURE AND PAINT TO MATCH EXISTING ADJACENT.
- R4 SCRAPE, PATCH ANY HOLES, TEXTURE AND PAINT TO MATCH ADJACENT.
- R5 PATCH AND REPAIR CEILING AS REQUIRED FOR HVAC WORK.



2 ENLARGED REFLECTED CEILING PLAN - LEVEL 01  
 1/4" = 1'-0" NORTH



3 ENLARGED REFLECTED CEILING PLANS - LEVEL 02  
 1/4" = 1'-0" NORTH



BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
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OVERALL TECHNOLOGY  
 T1.1

GENERAL TECHNOLOGY PLAN NOTES:

- A. THESE PLANS ARE FOR PLACING THE GENERAL LOCATION OF SECURITY CARD READERS AND THEIR INFRASTRUCTURE.
- B. ACTUAL SECURITY CARD READERS WILL BE INSTALLED BY OTHERS AND NOT UNDER THIS CONTRACT.
- C. CONTRACTOR TO PROVIDE BACK-BOX AND 1" EMPTY CONDUIT WITH PULL STRING FROM CARD READERS LOCATIONS TO NEAREST LAY-IN CEILING.

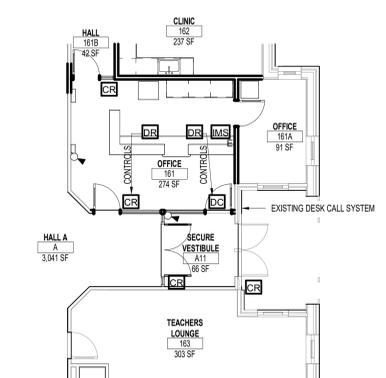
CARD READER DEVICE AND RELATED POWER/CABLING IS NOT PART OF THIS CONTRACT.

THE GENERAL CONTRACTOR SCOPE IS TO PROVIDE BACK-BOX AND EMPTY CONDUIT UP TO THE NEAREST LAY-IN CEILING

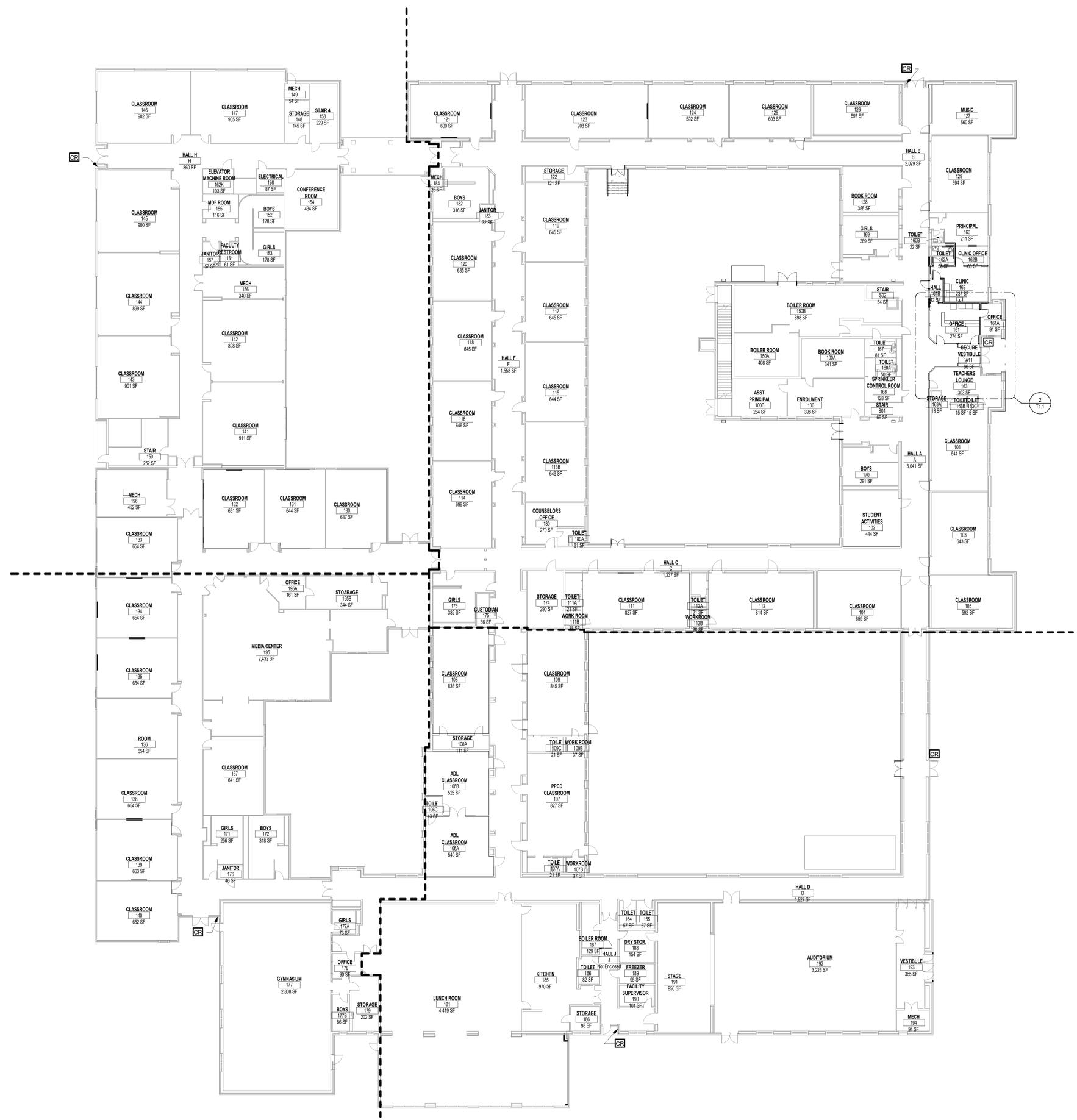
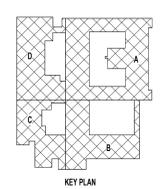
TECHNOLOGY SYMBOLS LEGEND

NOTE THAT ALL SYMBOLS WITH (E) ARE EXISTING TO REMAIN; ALL SYMBOLS WITH "X" ARE TO BE INSTALLED AT THAT INDICATED HEIGHT ABOVE FINISHED FLOOR.

- ACCESS CONTROL CARD READER
- ACCESS CONTROL KEYPAD
- DOOR RELEASE
- DOOR CONTROL
- EXISTING TO REMAIN
- SECURITY CAMERA



2 ENLARGED TECHNOLOGY PLAN  
 1/8" = 1'-0"  
 NORTH



1 OVERALL TECHNOLOGY  
 1/16" = 1'-0"  
 NORTH

Autodesk Docs (DSD) efile Comment (ES)/25P/DIRD/EILA/COWART/ES\_E24.rvt

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LIST OF ABBREVIATIONS	
A	
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADDNL	ADDITIONAL
AFF	ABOVE FINISH FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ARCHL	ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B	
BLDG	BUILDING
BL	BRICK LEDGE
BM	BEAM
BO	BOTTOM OF
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DECK
BMD	BOTTOM OF METAL DECK
BP	BASE PLATE
BRG	BEARING
C	
C	CHANNEL SHAPE
CB	BEAM CAMBER
CFMF	COLD FORMED METAL FRAMING
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COL UMN
CONC	CONCRETE
CONT	CONTINUOUS
CONX	CONNECTION
D	
D	DEPTH
DETL	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING(S)
E	
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
EOD	EDGE OF DECK
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
F	
FD	FLOOR DRAIN
FF	FINISH FLOOR
FIN	FINISH
FLR	FLOOR
FTG	FOOTING
FV	FIELD VERIFY
G	
GA	GAGE OR GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
H	
HORIZ	HORIZONTAL
HS	HEADED STUD
HSS	HOLLOW STRUCTURAL SECTION
I	
IN	INCHES
JC	JAMB COLUMN
K	
K	KIPS (1,000 LBS)
L	
LB, #	ANGLE SHAPE POUNDS(S)
LL	LIVE LOAD
LLR	ROOF LIVE LOAD
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LWC	LIGHT WEIGHT CONCRETE
M	
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL SHAPE
MECHL	MECHANICAL
MEP	ELECTRICAL PLUMBING
MEZZ	MEZZANINE
MANUF	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N	
N/A	NOT APPLICABLE
NO	NUMBER
NTS	NOT TO SCALE
O	
OC	ON CENTER
OPP	OPPOSITE
OH	OPPOSITE HAND
P	
PERP	PERPENDICULAR
PL	PLATE
PREFAB	PRE-FABRICATED
PRELIM	PRELIMINARY
PJT	POST-TENSIONED
R	
RD	ROOF DRAIN
REF	REFER TO
REINF	REINFORCING, REINFORCED, REINFORCEMENT
REQD	REQUIRED
REV	REVISION
S	
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SM	SIMILAR
SJ	SAWN JOINT
SJI	STEEL JOIST INSTITUTE
SP	SPECIAL
SPEC	SPECIFICATION(S)
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SW	SHEAR WALL
T	
TO	TOP OF
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TW	TIKT WALL
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VERT	VERTICAL
W	
W	WIDE FLANGE
W	WITH
W/O	WITHOUT
WP	WORKPOINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

GENERAL CONDITIONS

- BUILDING AND DESIGN CODES:
  - INTERNATIONAL BUILDING CODE (2021)
  - AISC MANUAL OF STEEL CONSTRUCTION, 14TH EDITION, ALLOWABLE STRESS DESIGN AND CODE OF STANDARD PRACTICE
  - SJI RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS, THE LATEST EDITION
- DESIGN LOADS:
  - LIVE LOADS: UNIFORM  
ROOF 20
  - DEAD LOADS: ROOF DEAD LOAD 20
  - WIND LOADS: 3 SECOND GUST WIND SPEED: 108 MPH  
IN 3 SECOND GUSTS  
EXPOSURE: C  
IMPORTANCE FACTOR: 1.0  
INTERNAL PRESSURE COEFFICIENT: Gcp= +/- 0.18
  - SNOW LOADS: Pg = 5 PSF  
Pr = 3.5 PSF

3. GENERAL REQUIREMENTS:

- VERIFY EXIST. CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY A/E OF DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE WORK.
- DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.

STRUCTURAL STEEL

- PROVIDE STRUCTURAL STEEL OF THE FOLLOWING ASTM DESIGNATIONS UNLESS NOTED OTHERWISE:
  - EDGE ANGLES, BENT PLATES, HANGERS AND BRACES: ASTM A 36
- WELD MINIMUM SIZE AND STRENGTH:
  - PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL.
  - PROVIDE MINIMUM EFFECTIVE THROAT THICKNESS OF PARTIAL PENETRATION GROOVE WELDS AS SPECIFIED IN TABLE J2.3 OF THE AISC MANUAL.
  - DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER ELEMENT JOINED, ON ALL SHOP AND FIELD WELDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
  - PROVIDE ELECTRODES FOR FIELD OR SHOP WELDING THAT CONFORM TO ASTM A 233 (CLASS 70).
- STEEL FABRICATION:
  - FABRICATE AND ASSEMBLE STRUCTURAL MEMBERS/ASSEMBLIES IN SHOP TO GREATEST EXTENT POSSIBLE.
  - SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
  - FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.
  - CONFORM TO THE AISC CODE OF STANDARD PRACTICE, FOR ERECTION TOLERANCES. FIELD MODIFICATION TO STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
  - CLEAN STEEL OF RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS WHERE REQUIRED FOR FABRICATION, FITTING UP, OR WELDING.
  - DO NOT CUT STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT PRIOR REVIEW AND APPROVAL OF THE ENGINEER.
- WELDS SHALL BE CONSIDERED TO BE CONTINUOUS UNLESS NOTED OTHERWISE.

MECHANICAL ROOF TOP UNIT COORDINATION

- OWNER TO ENSURE THAT EACH RTU, ROOF OPENINGS, AND DUCT DROPS ARE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. THE RTU SUPPLY AND RETURN OPENINGS NEED TO LINE UP WITH THE ROOF OPENINGS, AND EACH DUCT DROP MUST BE FULL SIZE OF EACH OPENING WITHOUT ANY OBSTRUCTIONS.

PRIMERA DESIGN ASSOCIATES, LLC  
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ARLINGTON, TX 76011  
PHONE (817) 303-5400, FAX (817)-285-1582  
EMAIL: info@primera.com, admin@primera.com  
TAXPAYER ID# 13-0846133



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Date: 2024.10.15 17:04:06 -0500



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PHILIPPE J. LALONDE, P.E. 88364 (C09 F-7978) ON OCT. 15, 2024.

COWART ELEMENTARY  
AHU PLATFORM  
1515 SOUTH RAVINIA DRIVE  
DALLAS, TX 75211

REVISIONS:

DRAWN: P.B. CHECKED: P.L.

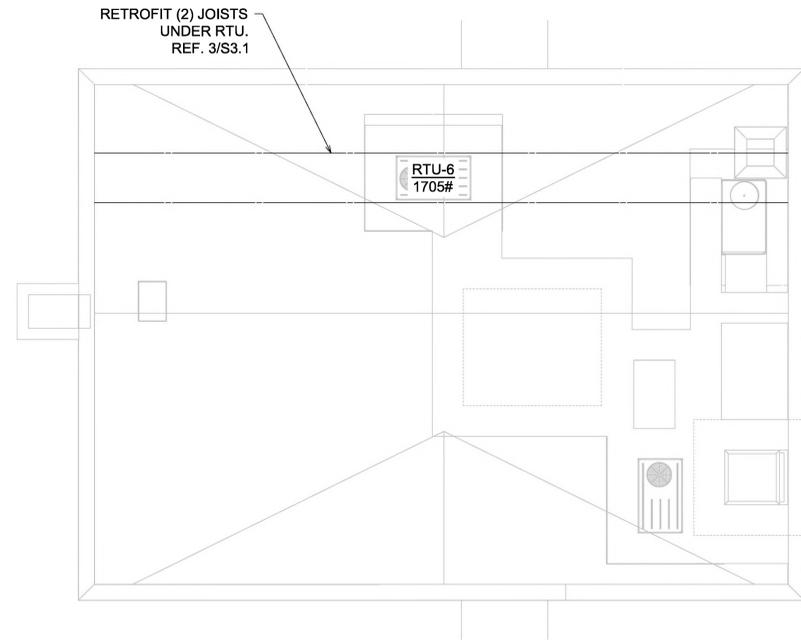
JOB NUMBER: 240205

OCTOBER 15, 2024

GENERAL NOTES

SHEET NUMBER

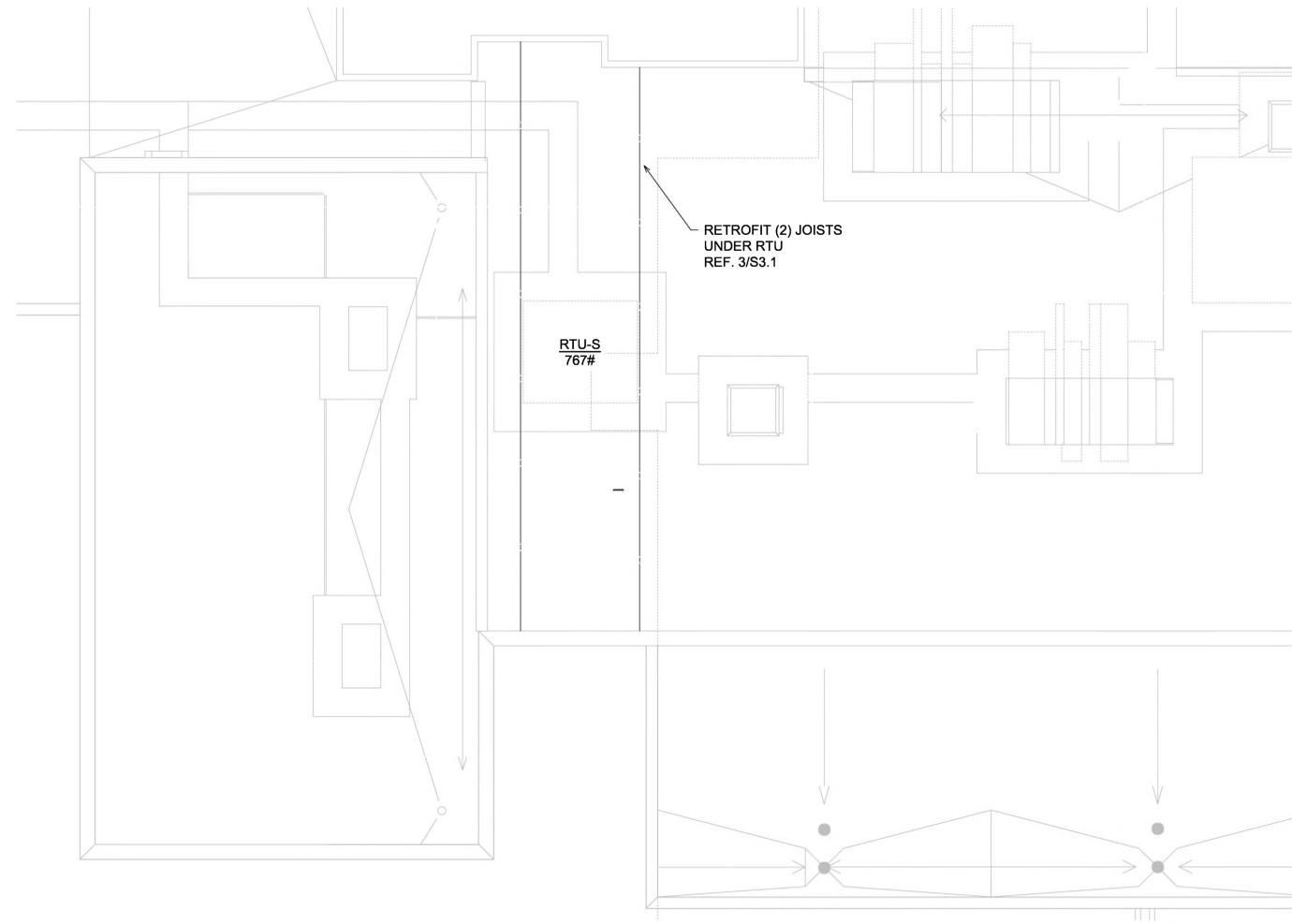
SO.1



**1** AREA A  
PARTIAL FRAMING PLAN  
SCALE: 1/4" = 1'-0"

FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. REFER TO 1/S3.1 AT OPENING IN ROOF AS REQUIRED.
3. CHICAGO CLAMP CO. FRAMES MAY BE SUBMITTED AS A NON-WELDED ALTERNATE TO THIS DESIGN, REF. S3.2. SUBMITTAL SHALL BE APPROVED BY EOR PRIOR TO INSTALLATION.



**2** AREA C  
PARTIAL FRAMING PLAN  
SCALE: 1/4" = 1'-0"

FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. REFER TO 1/S3.1 AT OPENING IN ROOF AS REQUIRED.
3. CHICAGO CLAMP CO. FRAMES MAY BE SUBMITTED AS A NON-WELDED ALTERNATE TO THIS DESIGN, REF. S3.2. SUBMITTAL SHALL BE APPROVED BY EOR PRIOR TO INSTALLATION.

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WWW.PRIMERADESIGN.COM  
E-MAIL PHILIP@PDA.COM



**COWART ELEMENTARY**  
**AHU PLATFORM**  
1515 SOUTH RAVINIA DRIVE  
DALLAS, TX 75211

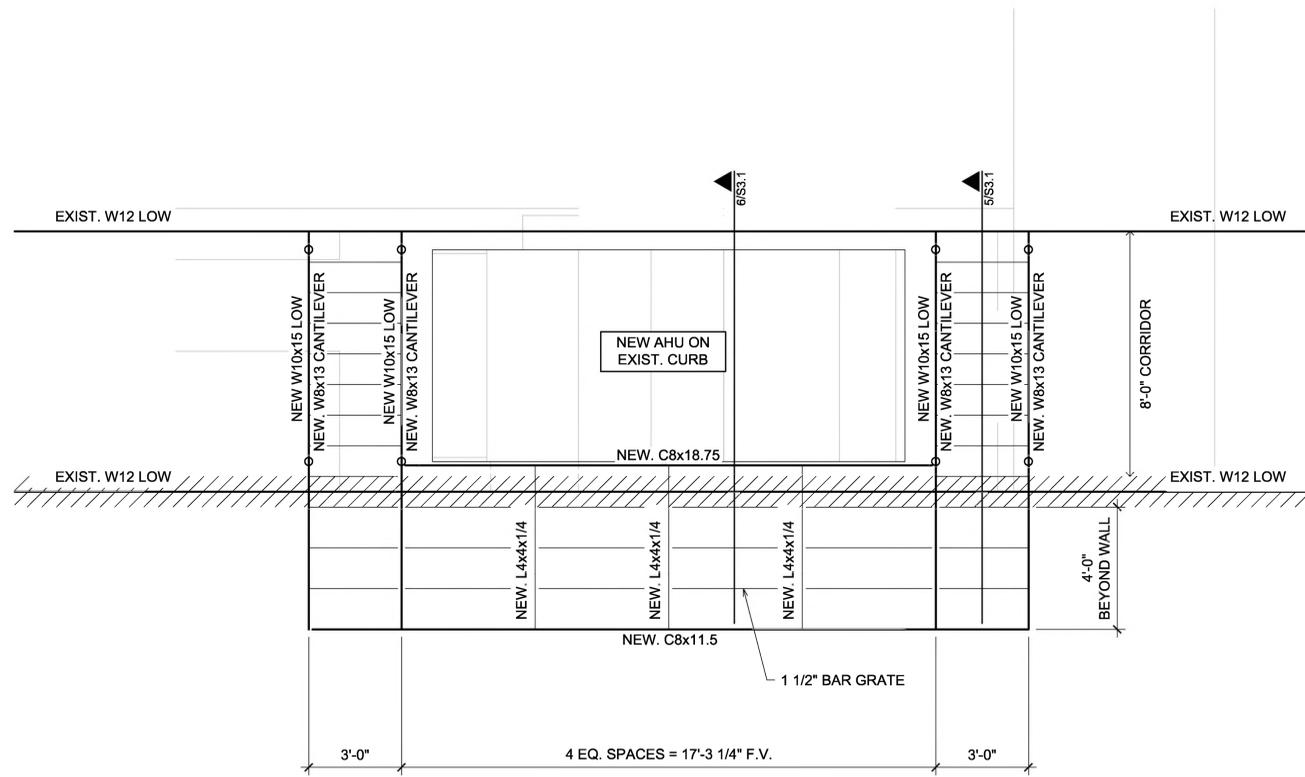
REVISIONS:

DRAWN: P.B. CHECKED: P.L.  
JOB NUMBER: 240205  
OCTOBER 15, 2024

PARTIAL ROOF  
FRAMING PLANS

SHEET NUMBER

**S1.1**



**1** NEW PLATFORM  
FRAMING PLAN  
SCALE: 3/8" = 1'-0"

FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.

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by Philippe  
Lalonde  
Date: 2024.10.15  
17:04:09 -0500



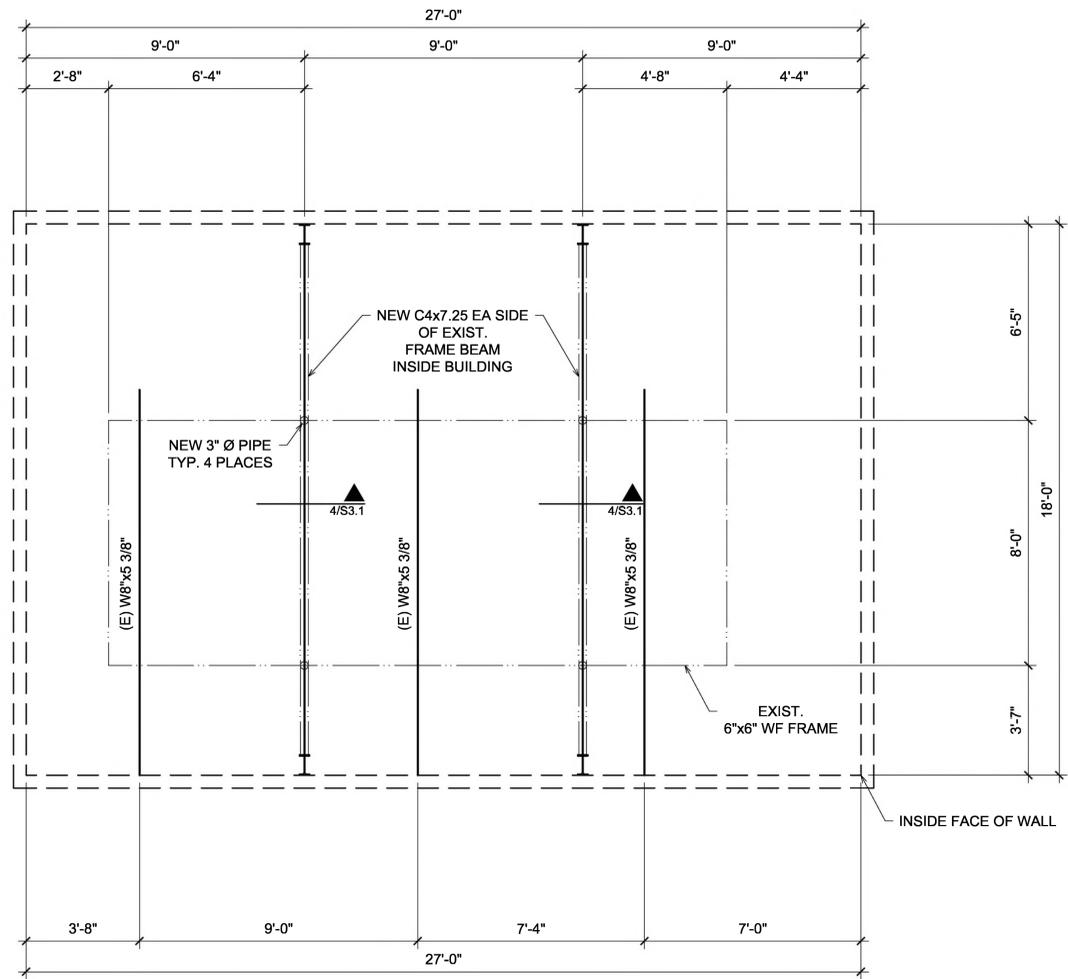
**COWART ELEMENTARY**  
AHU PLATFORM  
1515 SOUTH RAVINIA DRIVE  
DALLAS, TX 75211

REVISIONS:		
DRAWN: P.H.	CHECKED: P.L.	
JOB NUMBER: 240205		
OCTOBER 15, 2024		

SERVICE PLATFORM  
PLAN

SHEET NUMBER  
**S1.2**

**PRIMERA DESIGN ASSOCIATES LLC**  
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PHONE (817) 303-5400, FAX (817)-265-1582  
WWW.PRIMERADesign.COM  
E-MAIL: PHILIP@PRIMERADesign.COM  
DATE: 10/15/24 10:04 AM



**1** NEW PLATFORM  
FRAMING PLAN  
SCALE: 3/8" = 1'-0"  
NORTH

- FRAMING NOTES:
1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.

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ARLINGTON, TX 76011  
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WWW.PRIMERADESIGN.COM  
DATE: 10/15/24 TIME: 10:15:53



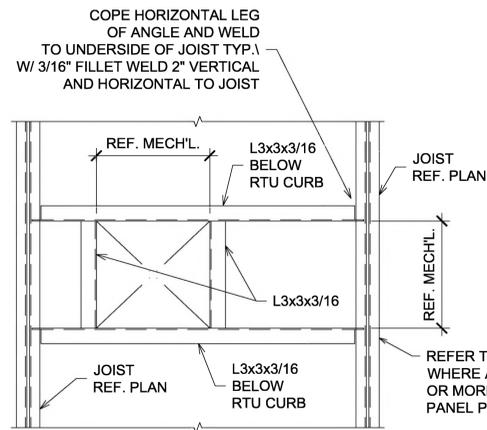
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Date: 2024.10.15 17:04:11 -0500

**COWART ELEMENTARY**  
AHU PLATFORM  
1515 SOUTH RAVINIA DRIVE  
DALLAS, TX 75211

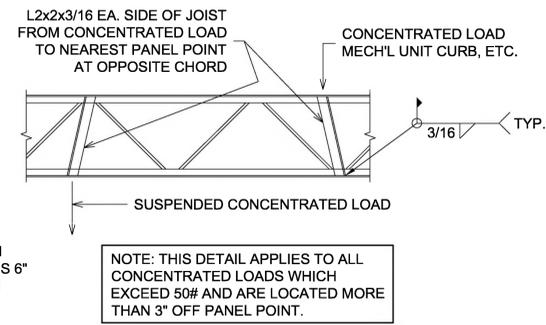
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DRAWN: P.B.	CHECKED: P.L.	
JOB NUMBER: 240205		
OCTOBER 15, 2024		

SERVICE PLATFORM PLAN

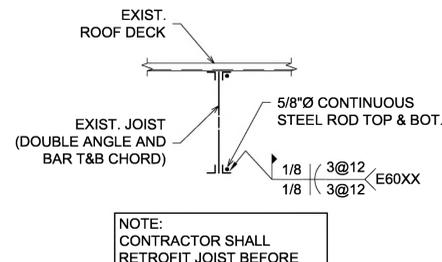
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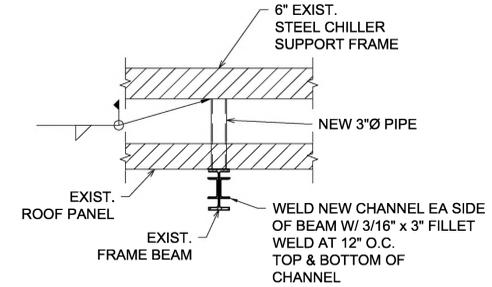
**1** TYPICAL FRAME AT ROOF OPENING  
SCALE: 3/4" = 1'-0"



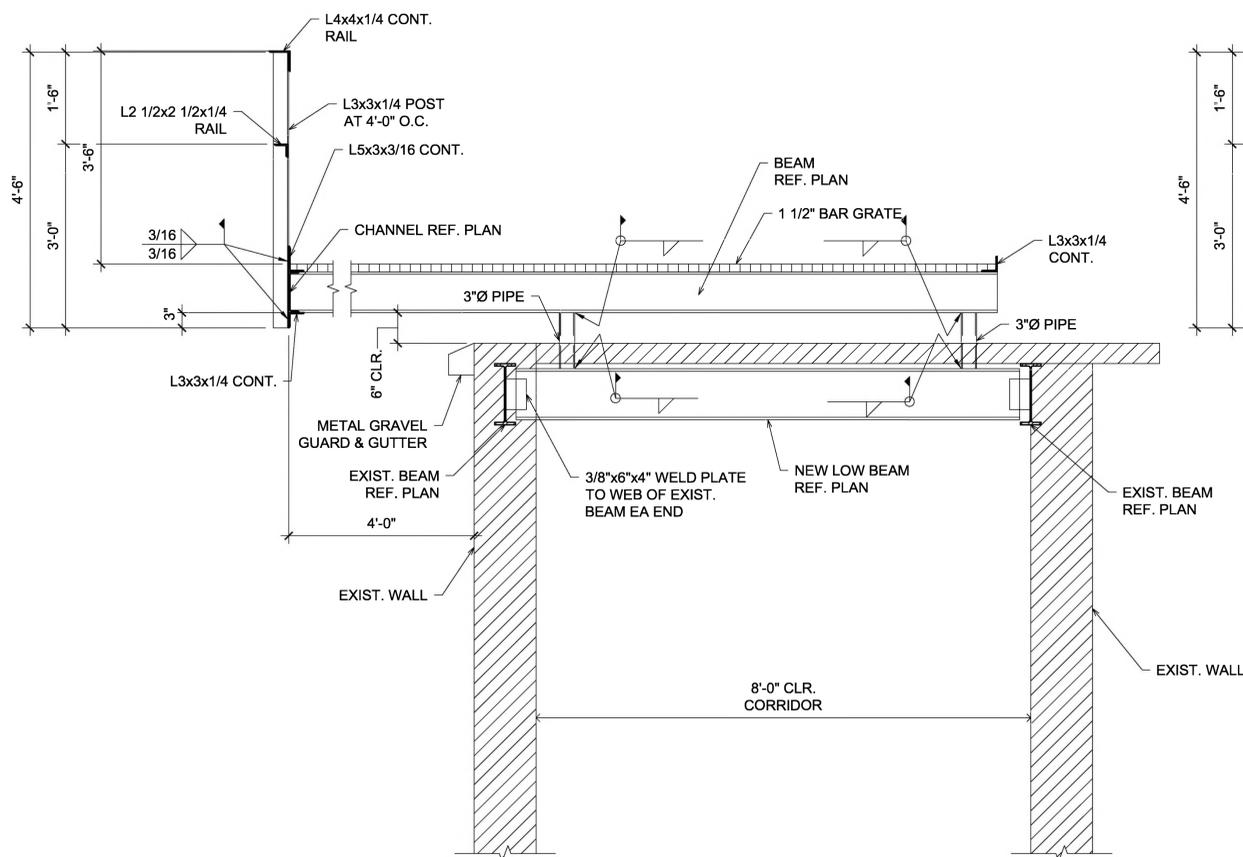
**2** BRACING AT CONCENTRATED LOADS  
SCALE: 3/4" = 1'-0"



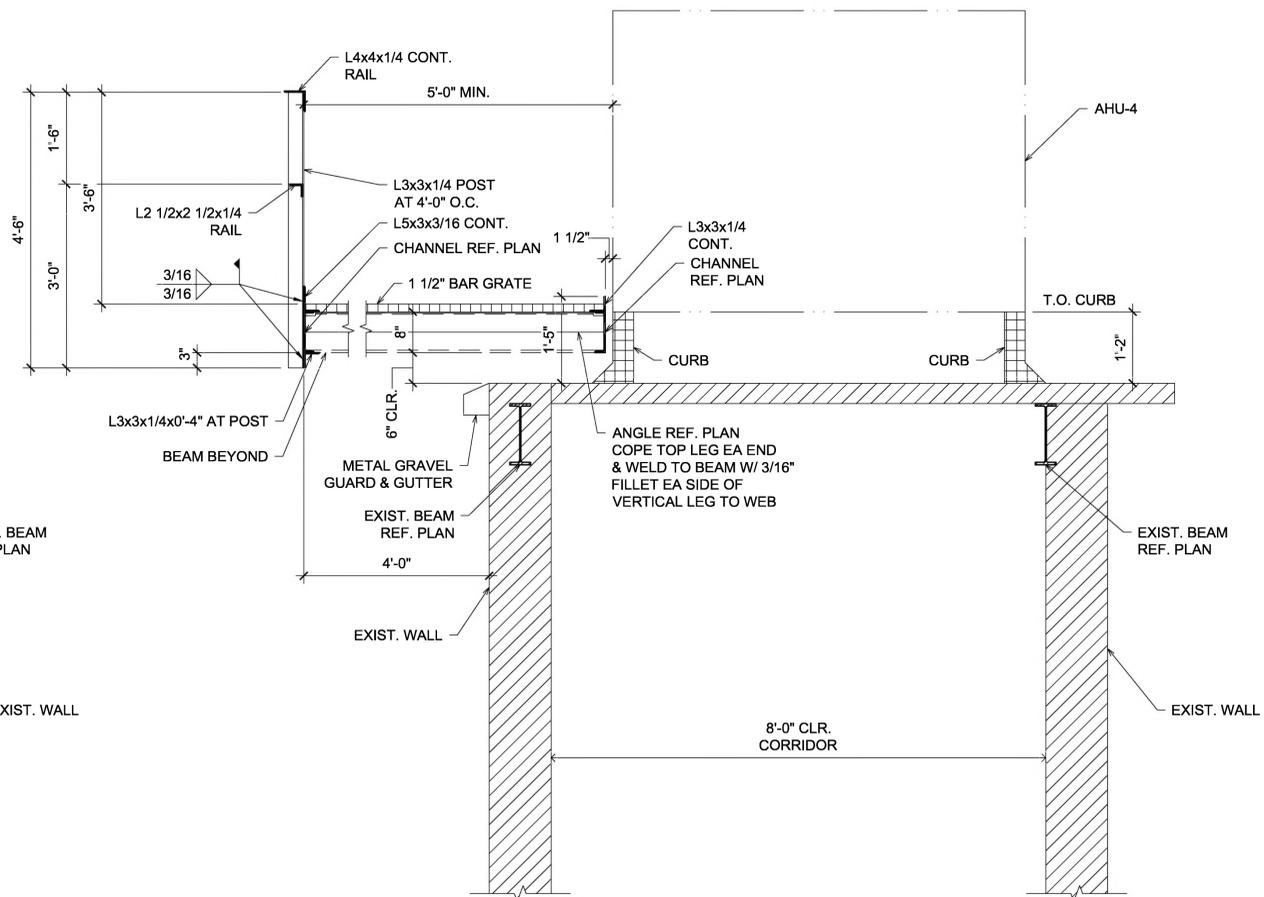
**3** RETROFIT DETAIL FOR JOIST  
SCALE: 3/4" = 1'-0"



**4** ROOF FRAMING SECTION  
SCALE: 3/8" = 1'-0"



**5** NEW PLATFORM SECTION  
SCALE: 3/8" = 1'-0"



**6** NEW PLATFORM SECTION  
SCALE: 3/8" = 1'-0"

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Date: 2024.10.15 17:04:13 -0500

COWART ELEMENTARY  
AHU PLATFORM  
1515 SOUTH RAVINIA DRIVE  
DALLAS, TX 75211

REVISIONS:

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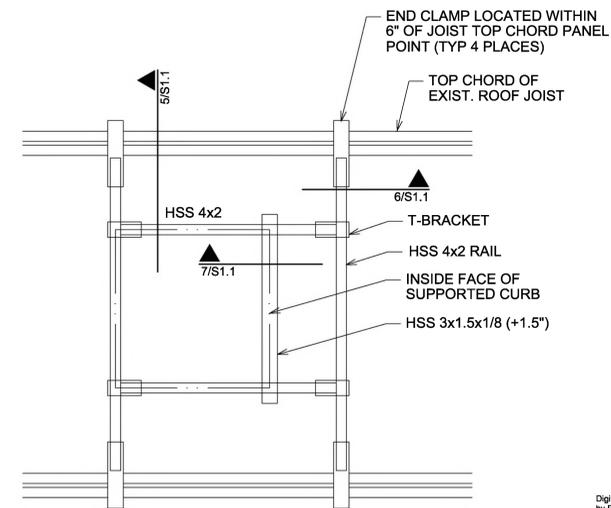
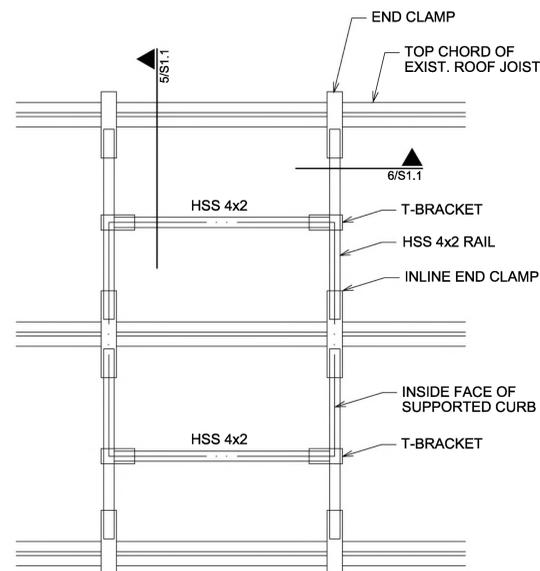
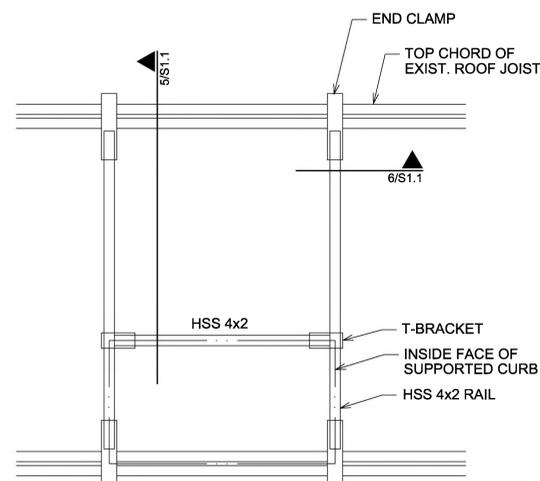
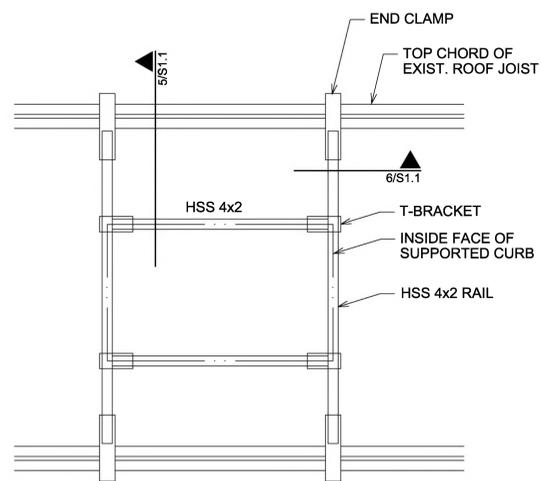
JOB NUMBER: 240205

OCTOBER 15, 2024

RTU SUPPORT & PLATFORM DETAILS

SHEET NUMBER

S3.1



**1 ROOF CURB FRAMING PLAN**  
SCALE: 3/4" = 1'-0"

FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. JOIST GRIP FRAMING CLAMP SYSTEM SHOWN IS MANUFACTURED AND SOLD BY CHICAGO CLAMP CO., BROADVIEW, ILLINOIS; PHONE 708-343-8311.
3. REFER TO THE CHICAGO CLAMP PRODUCT BROCHURE FOR INSTALLATION GUIDELINES AND ADDITIONAL INFORMATION.
4. REF. 8/S1.1 FOR COMPONENT CAPACITIES.
5. T.O. STEEL = T.O. JOISTS

**2 ROOF CURB FRAMING PLAN**  
SCALE: 3/4" = 1'-0"

FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
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3. REFER TO THE CHICAGO CLAMP PRODUCT BROCHURE FOR INSTALLATION GUIDELINES AND ADDITIONAL INFORMATION.
4. REF. 8/S1.1 FOR COMPONENT CAPACITIES.
5. T.O. STEEL = T.O. JOISTS

**3 ROOF CURB FRAMING PLAN**  
SCALE: 3/4" = 1'-0"

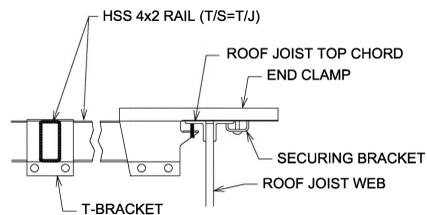
FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. JOIST GRIP FRAMING CLAMP SYSTEM SHOWN IS MANUFACTURED AND SOLD BY CHICAGO CLAMP CO., BROADVIEW, ILLINOIS; PHONE 708-343-8311.
3. REFER TO THE CHICAGO CLAMP PRODUCT BROCHURE FOR INSTALLATION GUIDELINES AND ADDITIONAL INFORMATION.
4. REF. 8/S1.1 FOR COMPONENT CAPACITIES.
5. T.O. STEEL = T.O. JOISTS

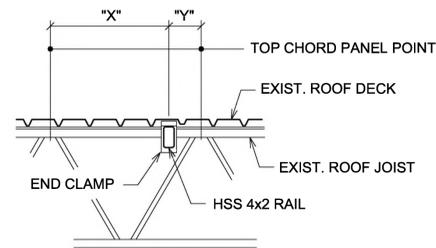
**4 ROOF CURB FRAMING PLAN**  
SCALE: 3/4" = 1'-0"

FRAMING NOTES:

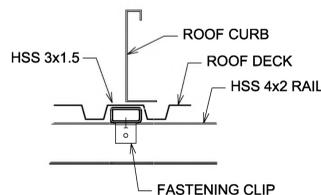
1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. JOIST GRIP FRAMING CLAMP SYSTEM SHOWN IS MANUFACTURED AND SOLD BY CHICAGO CLAMP CO., BROADVIEW, ILLINOIS; PHONE 708-343-8311.
3. REFER TO THE CHICAGO CLAMP PRODUCT BROCHURE FOR INSTALLATION GUIDELINES AND ADDITIONAL INFORMATION.
4. REF. 8/S1.1 FOR COMPONENT CAPACITIES.
5. T.O. STEEL = T.O. JOISTS



**5 ROOF FRAMING SECTION**  
SCALE: 3/4" = 1'-0"



NOTE: HSS 4x2 RAILS SHALL BE POSITIONED SO THAT EITHER DIMENSION "X" OR "Y" IS LESS THAN OR EQUAL TO 6 INCHES. WHERE SUCH AN ARRANGEMENT IS NOT POSSIBLE, REFER TO FRAMING PLAN "D"



**7 ROOF FRAMING SECTION**  
SCALE: 3/4" = 1'-0"

CHICAGO CLAMP CO ALLOWABLE LOAD (LB) VS. SPAN							
TUBE SIZE (IN.)	LOAD TYPE	SPAN (FT.)					
		3	4	5	6	7	8
HSS4x2x1/8	CONCENTRATED	2000	2000	2000	2000	1801	1572
	UNIFORM	2000	2000	2000	2000	2000	2000
HSS4x2x3/16	CONCENTRATED	2000	2000	2000	2000	2000	2000
	UNIFORM	2000	2000	2000	2000	2000	2000

COMPONENT CAPACITIES ALLOWABLE LOAD (LBS.)	DOWNLOAD POSITIVE	UPLIFT NEGATIVE
	JOIST GRIP END CLAMP	1000
T-BRACKET	1000	1000
INLINE END CLAMP	1000	1000
GIRDER CLAMP	1000	-
CROSS SUPPORT BRACKET	1000	-

NOTES:  
 1. ALLOWABLE CONCENTRATED LOAD AT MIDDLE OF SPAN. ALLOWABLE LOADS ARE NET (WEIGHT OF TUBE HAS BEEN ACCOUNTED FOR.)  
 2. MULTIPLE LOADS, THAT ARE SYMMETRICALLY PLACED AND WHOSE TOTAL EQUALS THE TABULATED VALUE, MAY BE USED.  
 3. THE REACTION TO EACH CLAMP BRACKET MUST BE LIMITED TO A NET VALUE OF THE CLAMP'S CHARTED CAPACITY.  
 4. ALLOWABLE LOADS HAVE BEEN LIMITED TO 2000 LBS MAXIMUM.  
 5. ALLOWABLE LOADS ARE BASED ON 46 KSI MINIMUM YIELD STEEL (A500, GR. B) THE AISC SPECIFICATION AND A SAFETY FACTOR OF 2.0.  
 6. TUBE'S 4" DIMENSION IS VERTICAL. SPAN IS HORIZONTAL.  
 7. TUBE WEIGHTS: 4.75 LB./FT FOR 1/8" WALL, AND 6.87 LBS/FT FOR 3/16" WALL. WEIGHTS AND THICKNESSES ARE NOMINAL.

**8 ALLOWABLE LOAD TABLE**  
SCALE: 3/4" = 1'-0"

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WWW.PRIMERADESIGN.COM  
DATE: 10/15/24



COWART ELEMENTARY  
AHU PLATFORM  
1515 SOUTH RAVINIA DRIVE  
DALLAS, TX 75211

REVISIONS:  
  
DRAWN: P.B. CHECKED: P.L.  
JOB NUMBER: 240205  
OCTOBER 15, 2024  
CHICAGO CLAMP CO. ALTERNATE RTU DETAILS

SHEET NUMBER  
**S3.2**

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH

REVISIONS:

**YE** YAGGI ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 5840 ARBOL BLVD., SUITE 200  
 ARLINGTON, TEXAS 76017  
 TEL: 817-463-2373  
 TEXAS REGISTRATION # 9822  
 PROJECT 2346.00

**YE**

*R. Tim Yaggi*  
 STATE OF TEXAS  
 R. TIM YAGGI  
 57030  
 PROFESSIONAL  
 10/17/2024  
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 TEL: 817-255-5882  
 FAX: 817-255-5882  
 WWW.IBLARCHITECTS.COM  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S RAVINIA DR., DALLAS, TX 75211

SITE PLAN - ELECTRICAL

E-1

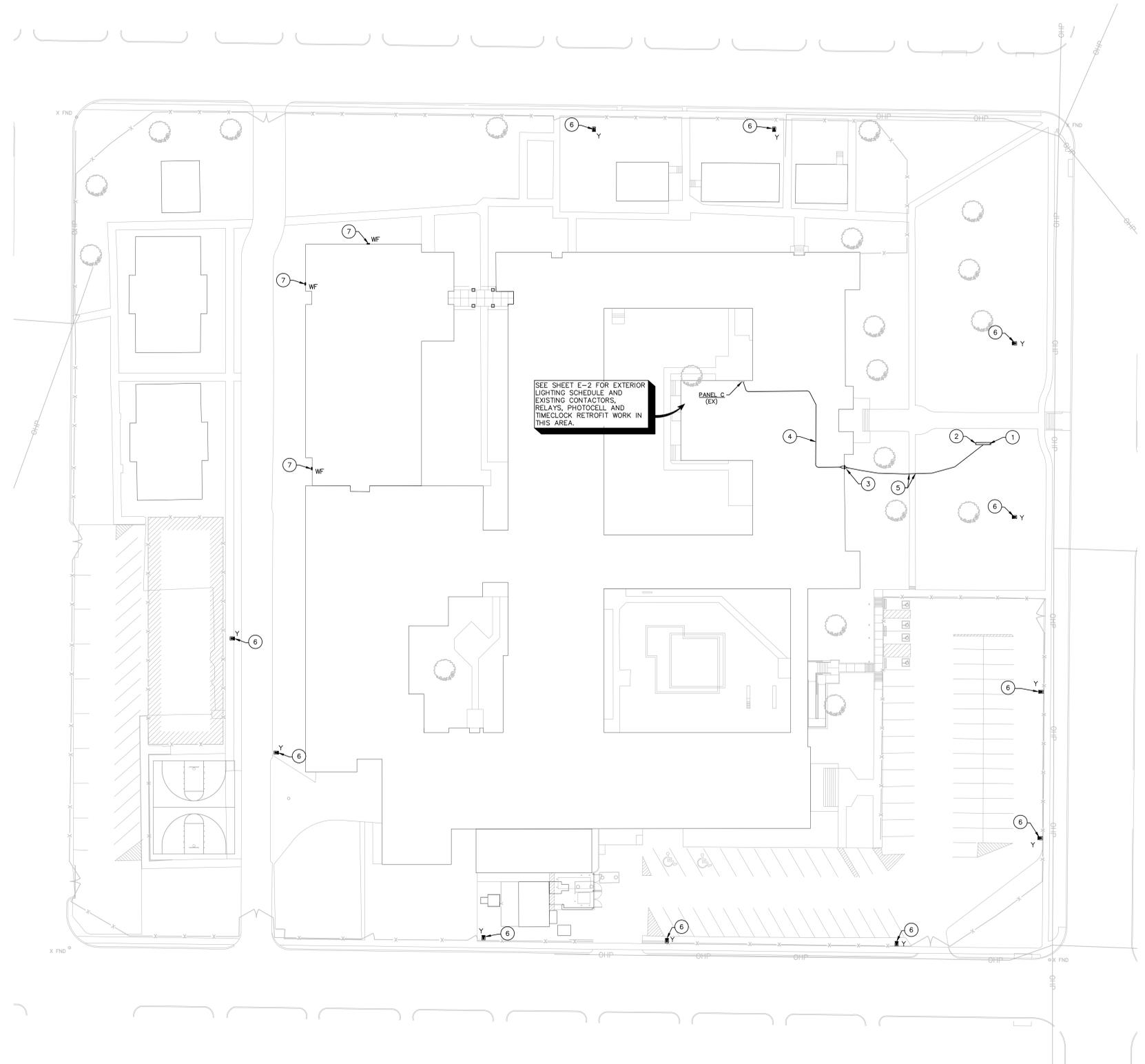
**GENERAL NOTES**

- VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, IRRIGATION PIPING, IRRIGATION WIRING, TELEPHONE, GAS, NETWORK FIBER OPTIC, CONDUITS, ETC. PRIOR TO BID. EXISTING UTILITIES ARE NOT SHOWN. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
- EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALL UTILITIES ARE NOT SHOWN. THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF OR LACK OF THIS DATA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. VERIFY EXISTING UTILITIES, UNDERGROUND PIPING, TELEPHONE, GAS, NETWORK, FIBER OPTIC, ETC. PRIOR TO BID. CALL 811 PRIOR TO EXCAVATION.
- REPLACE ALL SITE LIGHT FIXTURES AND ASSOCIATED CONTROLS UNLESS NOTED OTHERWISE. EXISTING LIGHTING CIRCUITS SHALL BE REUSED FOR NEW LIGHT FIXTURES. REPLACE CIRCUITS AS NECESSARY IF CONDITION IS UNSUITABLE FOR REUSE. FOR REPLACING CIRCUITS, UTILIZE MINIMUM #8 CONDUCTORS IN EXISTING CONDUIT IF POSSIBLE. IF NOT INSTALL ADDITIONAL 1-1/4" MIN. AS REQUIRED.
- ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE TO BE EXPOSED.
- SUBMIT SHOP DRAWING FOR ROUTING OF ALL CONDUITS FOR ENGINEER APPROVAL PRIOR TO STAKING AND TRENCHING.
- ALL CONDUITS SHALL BE MINIMUM OF 36" DEEP MEASURED FROM THE TOP OF CURB OR SURROUNDING GRADE WHICHEVER IS GREATER. DEPTHS SHALL BE INCREASED AS NECESSARY TO COORDINATE WITH OTHER WORK AND AS REQUIRED BY UTILITY COMPANIES TO MAINTAIN SEPARATION AND COVER.
- REROUTE, EXTEND AND REPLACE EXISTING UNDERGROUND CONDUITS AND CONDUCTORS AS NECESSARY TO FACILITATE CONSTRUCTION.
- COORDINATE AND SCHEDULE ANY ELECTRICAL SERVICE INTERRUPTIONS WITH OWNER AND POWER COMPANY.
- THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP OF CERTAIN ITEMS REMOVED DURING DEMOLITION. ALL ITEMS NOT RETAINED BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
- CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT VOLTAGES PRIOR TO BID.
- REPLACE EXISTING FIXTURE WITH TYPE SHOWN. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- REPLACE EXISTING EXTERIOR LIGHTING CONTROL SYSTEM WITH NEW TIMECLOCK, PHOTOCELL (ON ROOF FACING NORTH), HOA SWITCHES, AND CONTACTORS AS SCHEDULED IN EXTERIOR LIGHTING CONTROL SCHEDULE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ANY EXISTING EQUIPMENT, APPLIANCES, OR FURNITURE AS REQUIRED TO PERFORM ALL WORK IN THEIR SCOPE. EXISTING ITEMS SHALL BE PROTECTED AND SECURED BY CONTRACTOR TO PREVENT DAMAGE OR THEFT DURING CONSTRUCTION. IF DAMAGE OR THEFT OCCURS DURING CONSTRUCTION CONTRACTOR SHALL REPLACE ITEMS AS REQUIRED.
- ANY MOVING OF FURNITURE REQUIRED TO PERFORM DEMOLITION OR NEW CONSTRUCTION WITHIN THE SCOPE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE DONE BY CONTRACTOR. OWNER WILL NOT MOVE ANY ITEMS FOR THE CONTRACTOR. CONTRACTOR SHALL REPLACE ANY ITEMS THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION WORK AT NO ADDITIONAL COST TO THE OWNER.

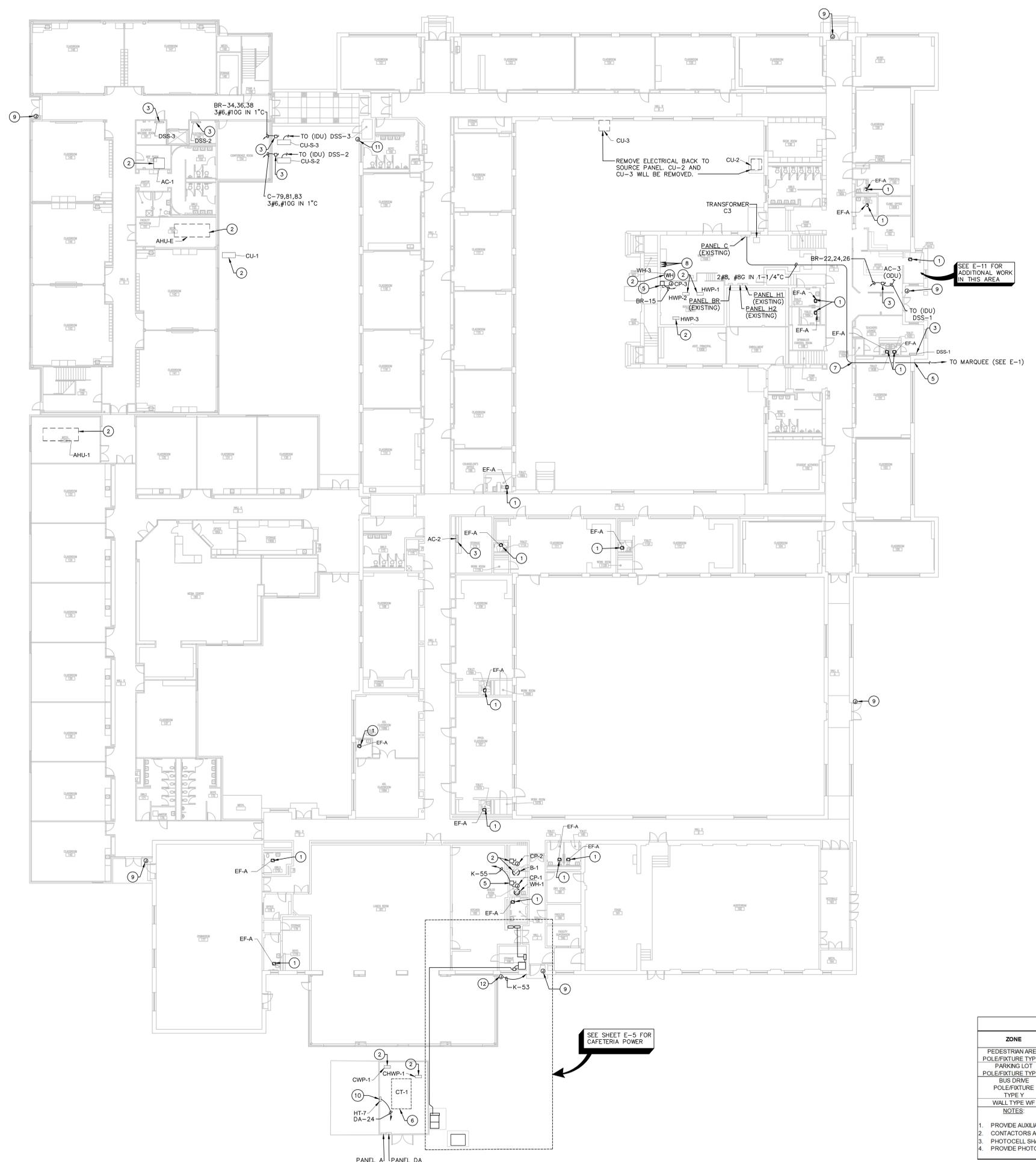
**NOTES BY SYMBOL**

- EXISTING LIGHTED MARQUEE SIGN SHALL BE REMOVED BY GENERAL CONTRACTOR. REUSE EXISTING CIRCUIT TO SERVE NEW LED MARQUEE SIGN IF POSSIBLE. CONTRACTOR SHALL VERIFY EXISTING VOLTAGE, CIRCUIT, CIRCUIT BREAKER, CONDUIT, ETC. TO ASCERTAIN IF EXISTING CIRCUIT CAN BE REUSED. IF EXISTING POWER CONDUCTORS CAN BE REUSED, PULL BACK EXISTING POWER CONDUCTORS TO BUILDING ENTRANCE MODIFY/EXTENDED CONDUIT TO NEW LED MARQUEE SIGN AS REQUIRED, THEN RE-INSTALL CONDUCTORS. CONNECT NEW MARQUEE SIGN POWER.
- SHOULD EXISTING POWER NOT BE REUSABLE FOR NEW LED MARQUEE SIGN, INSTALL 2#6,#86 IN 1-1/4" TO NEW MARQUEE SIGN. INSTALL 1P-20A CIRCUIT BREAKER IN PANEL C, POSITION 79 TO SERVE NEW LED MARQUEE SIGN.
- MARQUEE SIGN UNDERGROUND CONDUIT IF REQUIRED SHALL BE INSTALLED 36" DEEP (MIN.) FROM NEW LED MARQUEE SIGN LOCATION TO SIDE OF BUILDING. CORE EXTERIOR FOUNDATION WALL OF BUILDING TO GAIN CONDUIT ENTRY INTO CRAWL SPACE BELOW 1ST LEVEL OF BUILDING. SUBMIT SHOP DRAWING OF ROUTING FOR APPROVAL. INSTALL LINK SEAL AT ALL WALL/FOUNDATION PENETRATION TO ENSURE WATERPROOF INSTALLATION. INSTALL OUTDOOR ELECTRICAL PULL BOX. PULL BOX SHALL BE 12"X12"X4", HINGED, NEMA 3R, LOCKABLE AND MOUNTED ON OUTSIDE END OF LINK SEAL AS REQUIRED BY CODE.
- INSTALL CONDUIT AS HIGH AS POSSIBLE, ATTACHING SUPPORTS TO STRUCTURE OF BUILDING AT TOP OF CRAWL SPACE TO ELECTRICAL PANEL C LOCATED IN 1ST FLOOR ELECTRICAL/BOILER ROOM 150B. SUBMIT SHOP DRAWING OF ROUTING FOR APPROVAL. REFER TO SHEET E-2 FOR ADDITIONAL INFORMATION.
- BORE UNDER SIDEWALK.
- EXISTING LIGHTING POLE/FIXTURE SHALL BE RETROFITTED WITH NEW LED FIXTURE TYPE "Y".
- EXISTING WALLPACK FIXTURE SHALL BE RETROFITTED WITH NEW LED FIXTURE TYPE "WF".

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.



**1** SITE PLAN - ELECTRICAL  
 SCALE: 1"=30'-0"



**GENERAL NOTES**

1. CONDUITS SHALL NOT EXCEED A TOTAL OF 270 DEGREE BENDS BETWEEN BOXES. REFER TO SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.
2. ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE TO BE EXPOSED.
3. REFER TO ARCHITECTURAL AND MECHANICAL/PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
4. COORDINATE AND SCHEDULE ANY ELECTRICAL SERVICE INTERRUPTIONS WITH OWNER AND POWER COMPANY.
5. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP OF CERTAIN ITEMS REMOVED DURING DEMOLITION. ALL ITEMS NOT RETAINED BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
6. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT VOLTAGES PRIOR TO BID.
7. INFORMATION SHOWN ON DRAWINGS WAS TAKEN IN PART FROM SITE INVESTIGATIONS AND IS PROVIDED AS AN AID TO THE CONTRACTORS IN ASCERTAINING THE SCOPE OF WORK. NEITHER THE OWNER, ARCHITECT NOR ENGINEER SHALL BE RESPONSIBLE FOR ANY OMISSIONS OR DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS. THE CONTRACTOR SHALL VERIFY EXACT QUANTITIES AND CONDITIONS AT THE JOBSITE PRIOR TO BID.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ANY EXISTING EQUIPMENT, APPLIANCES, OR FURNITURE AS REQUIRED TO PERFORM ALL WORK IN THEIR SCOPE. EXISTING ITEMS SHALL BE PROTECTED AND SECURED BY CONTRACTOR TO PREVENT DAMAGE OR THEFT DURING CONSTRUCTION. IF DAMAGE OR THEFT OCCURS DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE ITEMS AS REQUIRED.
9. ANY MOVING OF FURNITURE REQUIRED TO PERFORM DEMOLITION OR NEW CONSTRUCTION WITHIN THE SCOPE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE DONE BY CONTRACTOR. OWNER WILL NOT MOVE ANY ITEMS FOR THE CONTRACTOR. CONTRACTOR SHALL REPLACE ANY ITEMS THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION WORK AT NO ADDITIONAL COST TO THE OWNER.
10. SEE MP SERIES DRAWINGS FOR MORE INFORMATION ASSOCIATED WITH MECHANICAL EQUIPMENT LOCATIONS AND LOAD REQUIREMENTS OF REPLACEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LOCATIONS, SIZES AND ELECTRICAL REQUIREMENTS ON EACH PIECE OF MECHANICAL EQUIPMENT SCHEDULED TO BE REPLACED AND ALL EQUIPMENT ON ROOF WHICH WILL BE REMOVED AND RE-INSTALLED ONCE ROOF REPLACEMENT IS COMPLETE. SEE DETAILS ON SHEET E-4
11. MECHANICAL WILL REMOVE AND STORE ALL ROOF TOP MECHANICAL EQUIPMENT IN PREPARATION FOR ROOF REPLACEMENT. MECHANICAL WILL INSTALL NEW EQUIPMENT CURBS. GENERAL CONTRACTOR WILL INSTALL D.I.S.D. STANDARD ROOF PENETRATION SYSTEM (RPS) SEE SHEET E-4 DETAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR RE-INSTALLING EXISTING CIRCUIT THRU (RPS) TO SAFETY DISCONNECT AND THEN TO REPLACED OR REINSTALLED MECHANICAL EQUIPMENT SET IN PLACE ON ROOF. COORDINATE WITH MECHANICAL AND ROOFING CONTRACTORS.

**NOTES BY SYMBOL**

1. MECH./PLUMBING TO REPLACE EXHAUST FAN. REUSE EXISTING CIRCUIT IF ADEQUATE SIZE AND CONDITION. MODIFY/EXTEND EXISTING CONDUIT AND CONDUCTORS AS REQUIRED. REPLACE CONDUIT AND CONDUCTORS IF EXISTING CIRCUIT IS NOT ADEQUATELY SIZED AS REQUIRED. REPLACE MECH./PLUMBING LOAD REQUIREMENTS. COORDINATE WITH MECH./PLUMBING CONTRACTOR. NOTE: PROVIDE OFF/ON CONTROL WITH RESTROOM LIGHT.
2. MECH./PLUMBING TO REPLACE EQUIPMENT. REUSE EXISTING CIRCUIT IF ADEQUATE SIZE AND CONDITION. MODIFY/EXTEND EXISTING CONDUIT AND CONDUCTORS AS REQUIRED. IF CIRCUIT IS NOT OF ADEQUATE SIZE, REPLACE CIRCUIT BREAKER AND CONDUCTORS BACK TO SOURCE PANEL PER EQUIPMENT POWER REQUIREMENTS AND NEC. IF POSSIBLE, REPLACE CONDUIT WITH ADEQUATE SIZE. COORDINATE EXACT POWER REQUIREMENTS WITH MECH./PLUMBING. COORDINATE TERMINATION LOCATION AND IF VFD IS INCLUDED, REPLACE SAFETY DISCONNECT IF VFD IS NOT INCLUDED BY MECHANICAL.
3. INSTALL CONDUIT AND CONDUCTORS FOR HVAC SPLIT SYSTEM ROOF TOP UNIT (ODU). INSTALL AND CONDUIT AND CONDUCTORS FROM (ODU) TO INDOOR UNIT (IDU) OF THE SPLIT SYSTEM. INSTALL SAFETY DISCONNECTS FOR (ODU) AND (IDU) PER NEC.
4. NOT USED.
5. INSTALL 120V TO CIRCULATION PUMP. PROVIDE SAFETY DISCONNECT PER NEC.
6. MECH./PLUMBING TO REPLACE COOLING TOWER. REMOVE ALL ELECTRICAL FROM OLD COOLING TOWER TO ALLOW REMOVAL. REUSE EXISTING CIRCUIT IF ADEQUATE SIZE AND CONDITION. MODIFY/EXTEND EXISTING CONDUIT AND CONDUCTORS AS REQUIRED. IF CIRCUIT IS NOT OF ADEQUATE SIZE, REPLACE CIRCUIT BREAKER AND CONDUCTORS BACK TO SOURCE PANEL PER EQUIPMENT POWER REQUIREMENTS AND NEC. REUSE CONDUIT IF POSSIBLE. IF REPLACEMENT CONDUCTORS FILL EXISTING CONDUIT PAST NEC FILL LIMIT, REPLACE CONDUIT WITH ADEQUATE SIZE. COORDINATE EXACT POWER REQUIREMENTS WITH MECH./PLUMBING. COORDINATE TERMINATION LOCATION AND IF VFD IS INCLUDED, REPLACE SAFETY DISCONNECT IF VFD IS NOT INCLUDED BY MECHANICAL.
7. INSTALL CONDUIT SUPPORTS TO UNDERSIDE OF BUILDING STRUCTURE AS HIGH AS POSSIBLE IN CRAWLSPACE PER NEC.
8. MODIFY/REWORK EXISTING EXTERIOR LIGHTING CIRCUITS. PROVIDE 2-WIRE CONTROL WITH HOA SWITCHES FOR BY-PASS IN A SEPARATE NEMA 1, HINGED ENCLOSURE. INSTALL CONTRACTORS, RELAYS, PHOTOCELL AND TIMECLOCK AS REQUIRED TO CONTROL EXTERIOR LIGHTING DUSK TO DAWN WITH PHOTOCELL/TIMECLOCK.
9. INSTALL DEVICE BACK BOX AND 1" CONDUIT (MINIMUM) RISER WITH PULL STRING TO ACCESSIBLE CEILING. CONCEAL ALL CONDUIT IN STRUCTURE OF WALLS. EXPOSED CONDUIT ONLY AFTER WRITTEN APPROVAL FROM OWNER/ARCHITECT. SECURITY ACCESS CONTRACTOR TO PROVIDE CABLING, DEVICES, TERMINATION AND FINAL TESTING.
10. INSTALL 277V TO HEAT TRACE CONTROLLER. ALSO TERMINATE HEAT TRACE CABLE CONNECTION TO HEAT TRACE CONTROLLER. HEAT TRACE CONTROLLER, HEAT TRACE CABLING AND INSULATION PROVIDED BY MECHANICAL.
11. INSTALL CONDUIT AND CONDUCTORS (2#12, #12G IN 3/4" C) FOR 120V TO UTILITY METERING EQUIPMENT FROM CLOSEST EXISTING UNGROUNDED 120 VOLT SOURCE TO WEATHERPROOF CAST ALUMINUM J-BOX WITH GASKETED WEATHERPROOF COVER. ALSO CONNECT UTILITY METERING LEADS PROVIDED BY MECHANICAL TO PROVIDE METERING EQUIPMENT, AND CABLING TO J-BOX.
12. INSTALL CONDUIT AND CONDUCTORS (2#12, #12G IN 3/4" C) TO CAST ALUMINUM J-BOX WITH GASKETED WEATHERPROOF COVER FOR 120V TO UTILITY METERING EQUIPMENT. ALSO CONNECT UTILITY METERING LEADS PROVIDED BY MECHANICAL. MECHANICAL TO PROVIDE METERING EQUIPMENT AND CABLING TO J-BOX.

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

EXTERIOR LIGHTING CONTROL SCHEDULE						
ZONE	TIMECLOCK	PHOTOCELL	HOA SWITCH	CONTACTOR NO.	CONTACTOR RATING	CIRCUITS
PEDESTRIAN AREA POLE/FIXTURE TYPE Y	TC-1	PC-1	1	C1	2P-30A	REUSE EXISTING
PARKING LOT POLE/FIXTURE TYPE Y	TC-1	PC-1	2	C2	2P-30A	REUSE EXISTING
BUS DRIVE POLE/FIXTURE TYPE Y	TC-1	PC-1	3	C3	2P-30A	REUSE EXISTING
WALL TYPE WF	TC-1	PC-1	4	C4	2P-30A	REUSE EXISTING

NOTES:  
 1. PROVIDE AUXILIARY RELAYS AS REQUIRED FOR 2-WIRE CONTROL.  
 2. CONTACTORS AND HOA SWITCHES SHALL BE LOCATED IN NEMA 1 ENCLOSURE IN MAIN MECH/ELEC ROOM 150B.  
 3. PHOTOCELL SHALL BE INSTALLED ON BUILDING FACING NORTH.  
 4. PROVIDE PHOTOCELL-ON, PHOTOCELL-OFF CONTROL AND HOA SWITCH FOR HAND (BY-PASS ON)/OFF/AUTO OPERATION.

**1 PARTIAL FIRST FLOOR PLAN - POWER - ELECTRICAL**  
 SCALE: 1/16"=1'-0"

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH REVISIONS:

**YAGGI ENGINEERING, INC.**  
 CONSULTING • ENGINEERS  
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 ARLINGTON, TEXAS 76017  
 TEL: 817-463-2373  
 TEXAS REGISTRATION # 9822  
 PROJECT 2346.00

**R. TIM YAGGI**  
 REGISTERED PROFESSIONAL ENGINEER  
 10/17/2024  
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**IBL ARCHITECTS**  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S RAVINIA DR., DALLAS, TX 75211

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**YEI**  
**YAGGI ENGINEERING, INC.**  
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 ARINGTON, TEXAS 76017 817-483-2373  
 TEXAS REGISTRATION # 9822  
 PROJECT 2346-00

*R. Tim Yaggi*  
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 PROFESSIONAL  
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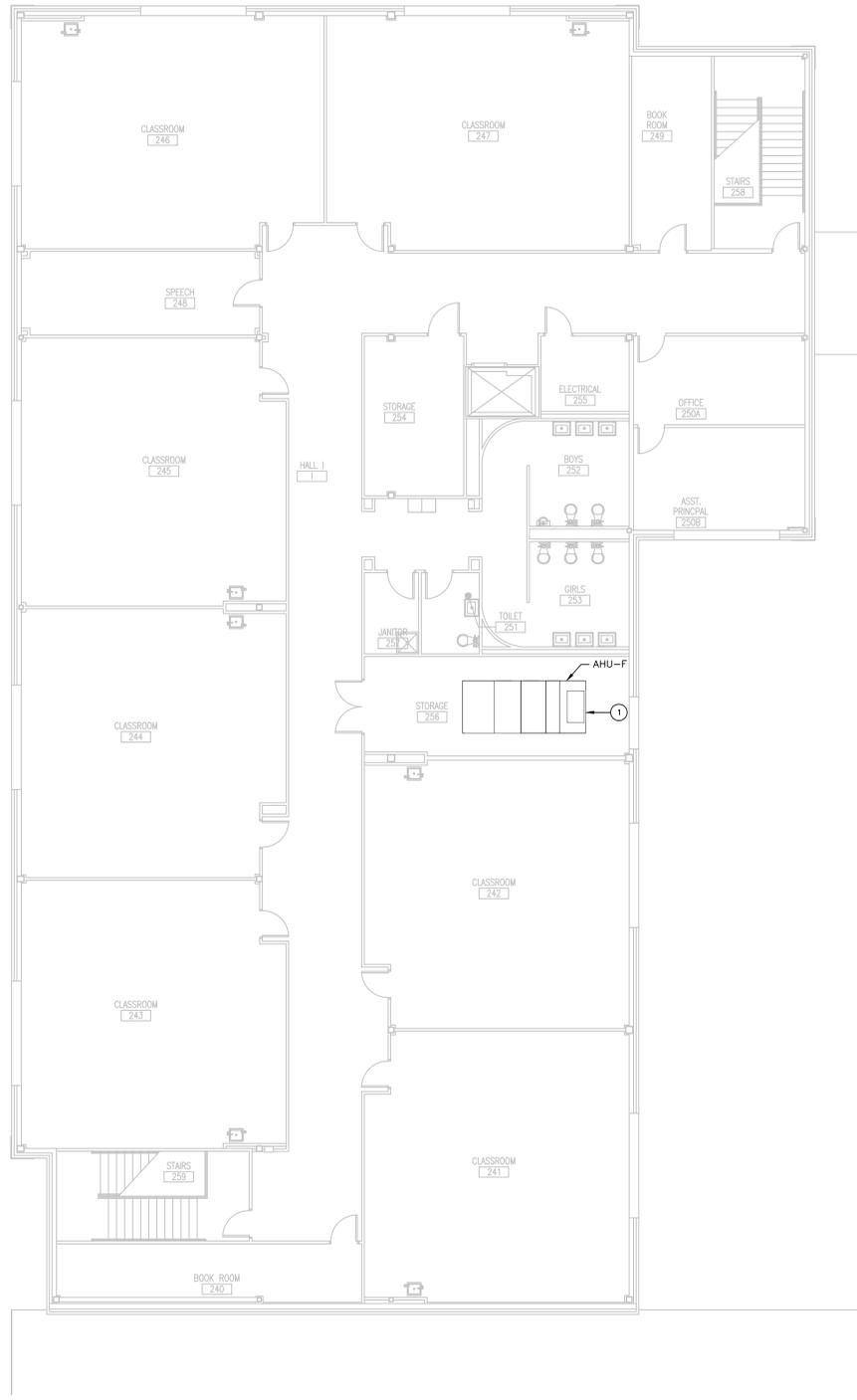
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**GENERAL NOTES**

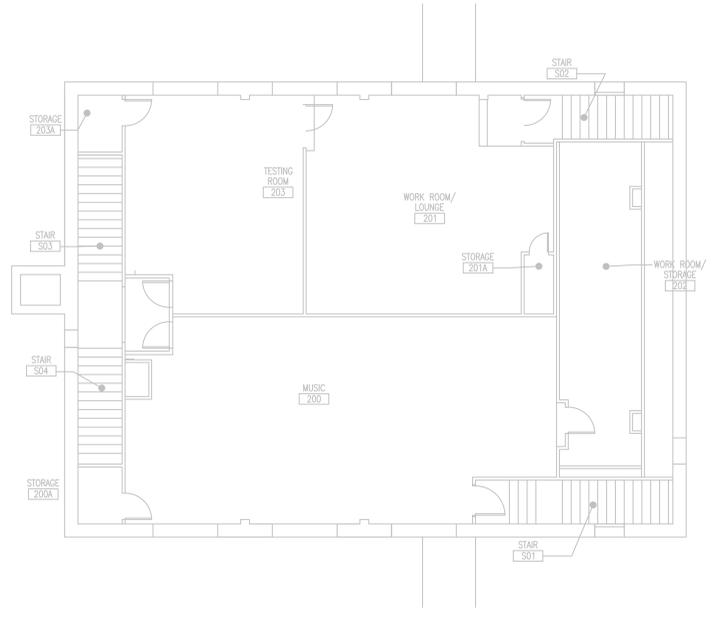
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**NOTES BY SYMBOL**

- REPLACE MECHANICAL/PLUMBING EQUIPMENT. REUSE EXISTING CIRCUIT IF ADEQUATE SIZE AND CONDITION. MODIFY/EXTEND EXISTING CONDUIT AND CONDUCTORS AS REQUIRED. IF CIRCUIT IS NOT OF ADEQUATE SIZE, REPLACE CIRCUIT BREAKER AND CONDUCTORS BACK TO SOURCE PANEL PER EQUIPMENT POWER REQUIREMENTS AND NEC. REUSE CONDUIT IF POSSIBLE. IF REPLACEMENT CONDUCTORS FILL EXISTING CONDUIT PAST NEC FILL LIMIT REPLACE WITH ADEQUATE SIZE. COORDINATE EXACT POWER REQUIREMENTS WITH MECHANICAL. COORDINATE TERMINATION LOCATION AND IF VFD IS INCLUDED, REPLACE SAFETY DISCONNECT IF VFD IS NOT INCLUDED BY MECHANICAL.



**SECOND FLOOR NORTHWEST**



**SECOND FLOOR NORTHEAST**



**KEY PLAN**

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

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**GENERAL NOTES**

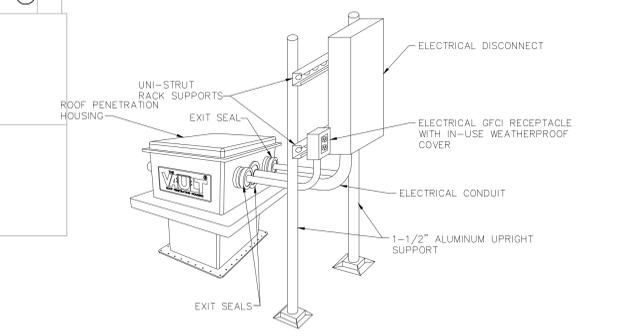
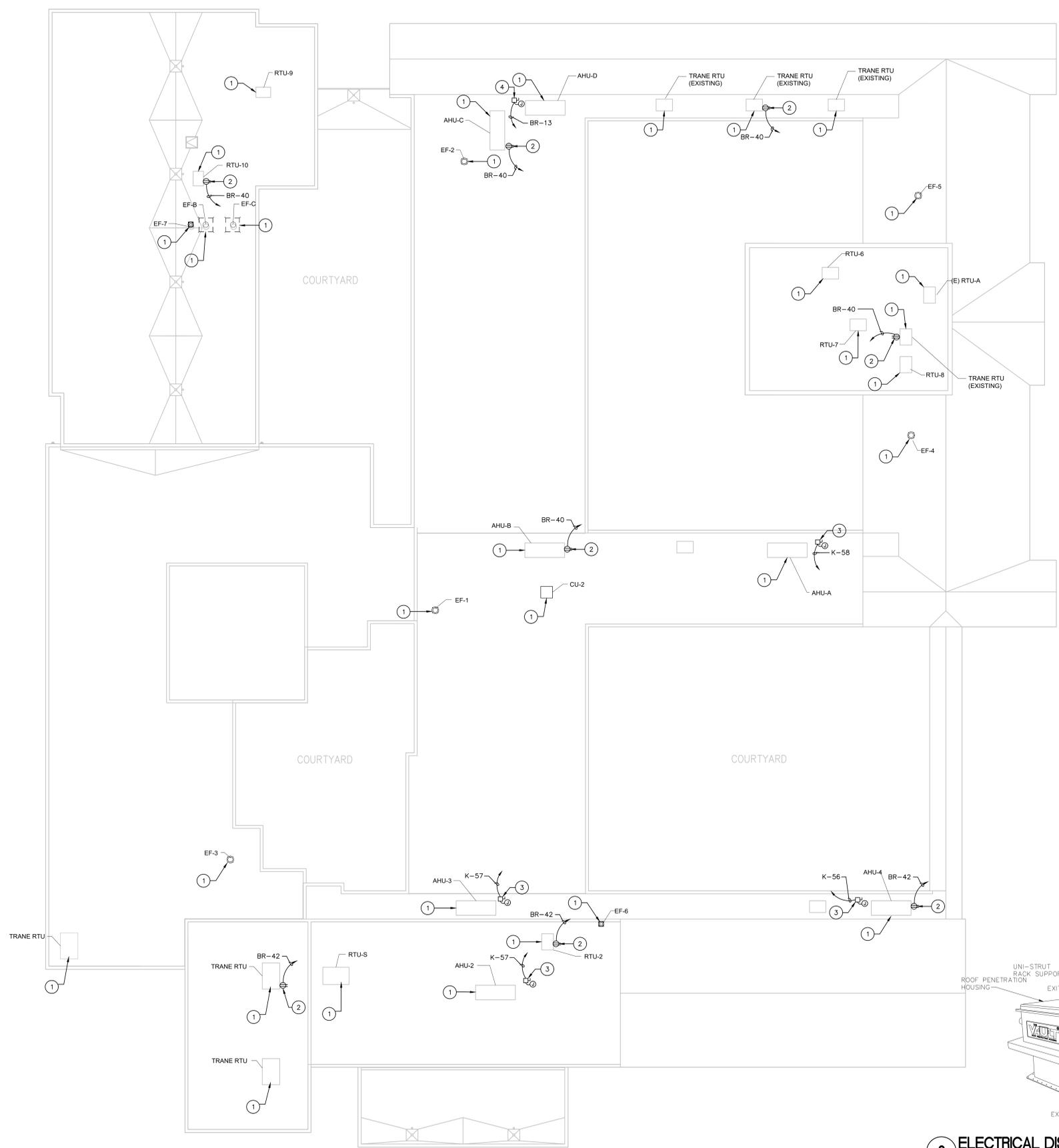
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**NOTES BY SYMBOL**

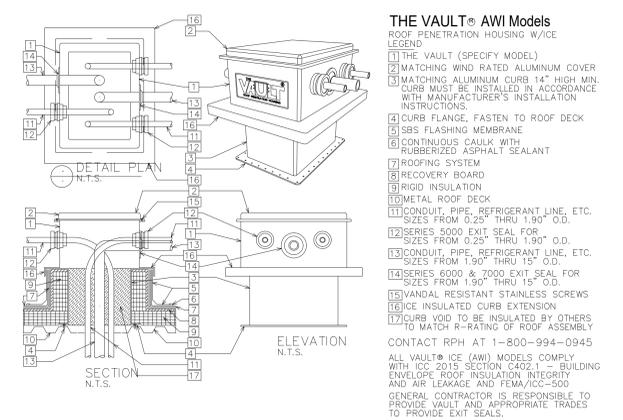
- MECH./PLUMBING TO REMOVE AND STORE MECH./PLUMBING EQUIPMENT IN PREPARATION FOR ROOF REPLACEMENT. DISCONNECT MECH./PLUMBING EQUIPMENT FROM ELECTRICAL CIRCUIT AND REMOVE ELECTRICAL BACK TO 1ST COUPLING OR J-BOX BELOW ROOF LINE. ONCE ROOF IS COMPLETE AND EACH (RPS) HAS BEEN INSTALLED BY MECH./PLUMBING, PROVIDE AND INSTALL SAFETY DISCONNECT PER NEC, D.I.S.D. APPROVED ELECTRICAL DISCONNECT RACK (EDS) SEE DETAIL BELOW, AND MODIFY/EXTEND EXISTING CONDUIT AND CONDUCTORS AS REQUIRED THRU (RPS) TO DISCONNECT. INSTALL J-BOX, CONDUIT AND CONDUCTORS REQUIRED TO EXTEND EXISTING CIRCUIT TO SAFETY DISCONNECT. INSTALL WEATHERPROOF FLEXIBLE CONDUIT AND CONDUCTORS FROM DISCONNECT TO EACH MECH./PLUMBING EQUIPMENT UNIT.  
**NOTES:**  
 1. SOME MECH./PLUMBING EQUIPMENT MAY REQUIRE CONNECTION FROM DISCONNECT TO EQUIPMENT TO PASS BACK THRU (RPS) AND THEN THRU EQUIPMENT CURB TO SINGLE POINT OF POWER CONNECTION. VERIFY WITH MECH./PLUMBING CONTRACTOR.  
 2. SOME MECH./PLUMBING EQUIPMENT WILL INCLUDE VFD CONTROLLER (INTEGRAL AND REMOTE)
- INSTALL 120V GFCI RECEPTACLE AT MECHANICAL EQUIPMENT PENETRATE THROUGH EXISTING EQUIPMENT CURB AND MOUNT ON SURFACE. ALL OUTDOOR ROOF RECEPTACLE CIRCUITS SHALL BE 2#8, #8G IN 3/4" CONDUIT.
- INSTALL 120V HEAT TRACE CONTROLLER IN CEILING SPACE BELOW AHU DRAIN FOR FREEZE PROTECTION. INCLUDE FUSED SAFETY DISCONNECT PER NEC AND MANUFACTURERS RECOMMENDATION. CONDUIT AND CONDUCTORS SHALL BE 2#8, #8G IN 3/4" CONDUIT. UNLESS OTHERWISE NOTED, ALSO INSTALL HEAT TRACE CABLE CONNECTION TO SAFETY DISCONNECT. MECHANICAL TO INSTALL HEAT TRACE CONTROLLER, HEAT TRACE CABLE AND INSULATION.
- INSTALL 120V HEAT TRACE CONTROLLER IN CEILING SPACE BELOW AHU DRAIN FOR FREEZE PROTECTION. INCLUDE FUSED SAFETY DISCONNECT PER NEC AND MANUFACTURERS RECOMMENDATION. CONDUIT AND CONDUCTORS SHALL BE 2#6, #6G IN 1" CONDUIT. UNLESS OTHERWISE NOTED, ALSO INSTALL HEAT TRACE CABLE CONNECTION TO SAFETY DISCONNECT. MECHANICAL TO INSTALL HEAT TRACE CONTROLLER, HEAT TRACE CABLE AND INSULATION.

INSTALL CONDUIT AND CONDUCTORS FOR NEW SPLIT SYSTEMS OR ANY OTHER ROOFTOP EQUIPMENT IN THE SAME MANNER. ALL CONDUITS ON ROOF SHALL PASS THRU ROOF VA (RPS) TO SAFETY DISCONNECT SIZED PER EQUIPMENT MANUFACTURER AND NEC. INSTALL CONDUIT AND CONDUCTORS SIZED PER EQUIPMENT MANUFACTURER AND NEC FROM HVAC SPLIT SYSTEM OUTDOOR UNIT (ODU) EQUIPMENT CURB TO ASSOCIATED SPLIT SYSTEM INDOOR UNIT (IDU) AND NOT PASSING THRU ROOF PENETRATION SYSTEM.

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.



**2 ELECTRICAL DISCONNECT SUPPORT RACK - EDS - DETAIL**  
 SCALE: NOT TO SCALE



**3 ROOF PENETRATION CURB HOUSING (RPS) - DETAIL**  
 SCALE: NOT TO SCALE

**1 ROOF FLOOR PLAN - POWER - ELECTRICAL**  
 SCALE: 1/16"=1'-0"

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
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 10/17/2024  
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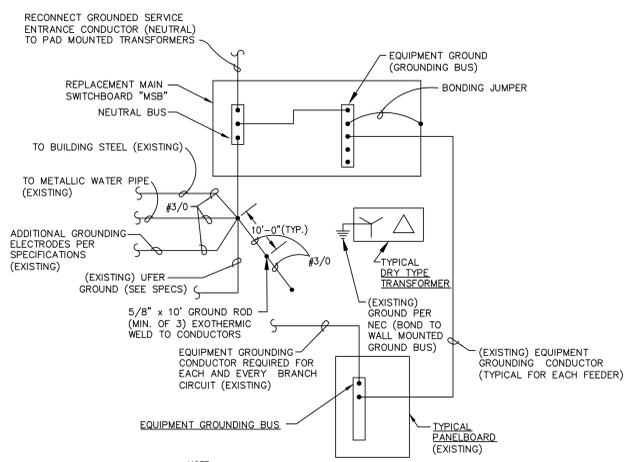
11800 BIRCHCREEK MILL ROAD  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S RAVINIA DR., DALLAS, TX 75211

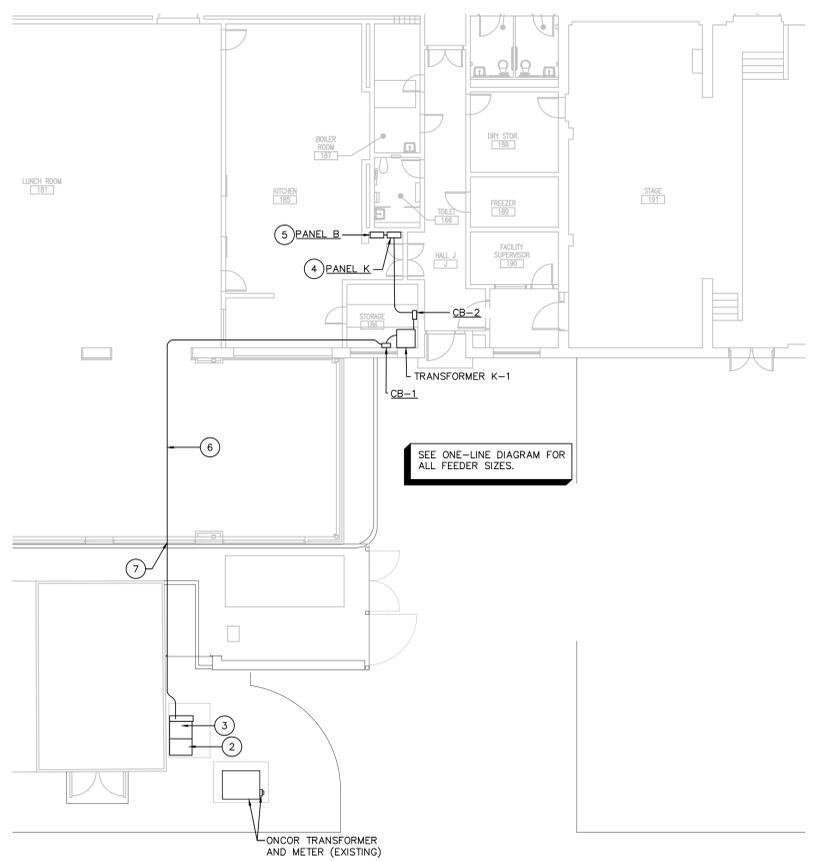
PARTIAL 1ST FLOOR PLAN - CAFETERIA POWER - ONE-LINE DIAGRAM - GROUNDING

F-5



NOTE:  
 1. MEASURED RESISTANCE TO GROUND SHALL NOT EXCEED 2 OHMS.

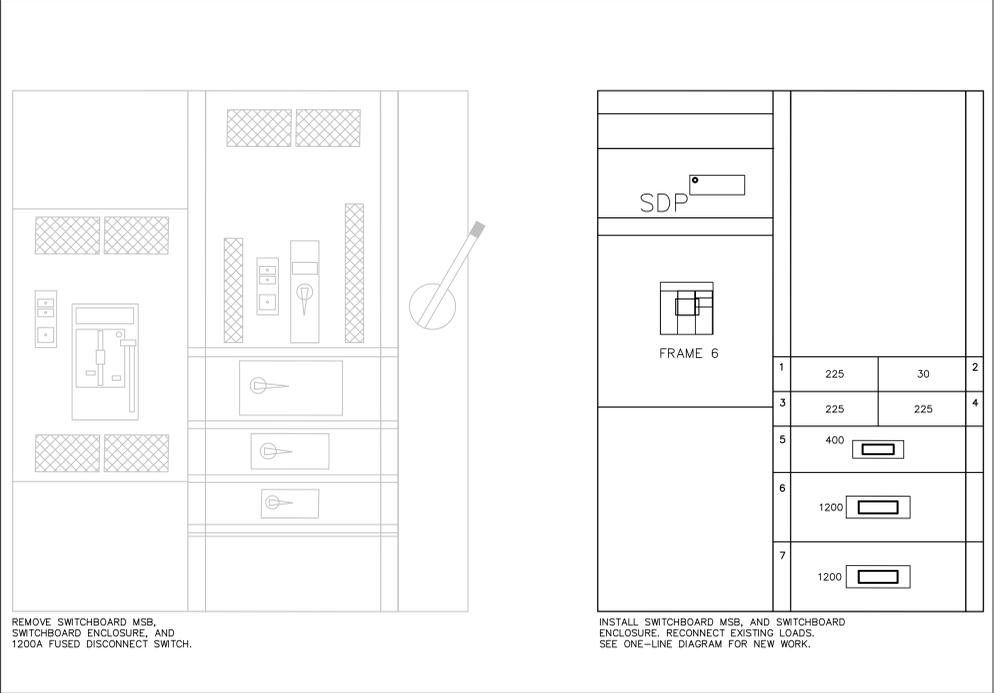
1 ONE-LINE DIAGRAM  
 NOT TO SCALE



2 PARTIAL FIRST FLOOR PLAN - CAFETERIA POWER  
 SCALE: 1/4"=1'-0"

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SWITCHBOARD REPLACEMENT DESIGN CONTACT INFORMATION  
 KEVIN DAVIS  
 DISTRICT APPLICATION ENGINEER  
 EATON | ELECTRICAL SECTOR  
 637 WESTPORT PARKWAY | SUITE 200 | GRAPEVINE, TX 76051  
 (M)828-279-1678, KEVIN.DAVIS@EATON.COM  
 DETAIL BILL OF MATERIAL  
 PROJECT NAME: COWART ELEMENTARY -MAIN GEAR  
 NEGOTIATION NO: DA890426X4K1  
 GENERAL ORDER NO: ALTERNATE NO: 0002



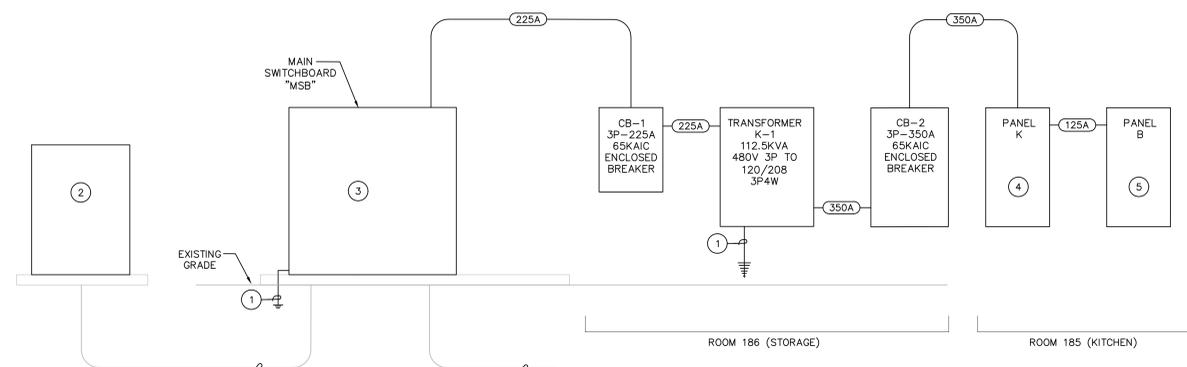
REMOVE SWITCHBOARD MSB, SWITCHBOARD ENCLOSURE, AND 1200A FUSED DISCONNECT SWITCH.

INSTALL SWITCHBOARD MSB, AND SWITCHBOARD ENCLOSURE. RECONNECT EXISTING LOADS. SEE ONE-LINE DIAGRAM FOR NEW WORK.

23 09 93 Sequence of Operations

1. General Requirements:
  - 1.1 It is the Engineer's responsibility to edit/delete/modify/add control points and sequences as needed to fit their design. There are additional editor notes and highlighted portions that the Engineer needs to review.
  - 1.2 New construction and major MEP renovations to include building electrical, domestic water main and gas main monitoring.
  - 1.3 When economizer exemption is being taken, delete all economizer/fdd sequences.
2. Building Electrical Metering/Monitoring:
  - 2.1 General:
    - 2.1.1 Provide digital monitoring of building MSB. The FMCS is to monitor the electrical energy consumption at the buildings main electric feed. Coordinate with switchgear manufacturer and/or Electrical Contractor.
    - 2.1.2 Provide dashboard with daily, weekly, monthly, and yearly usage totals.
  - 2.2 Control Points:

Description	Type
KVA	AI
KWH	AI
Demand	AI
Power Factor	AI
Voltage	AI



3 ONE-LINE DIAGRAM  
 NOT TO SCALE

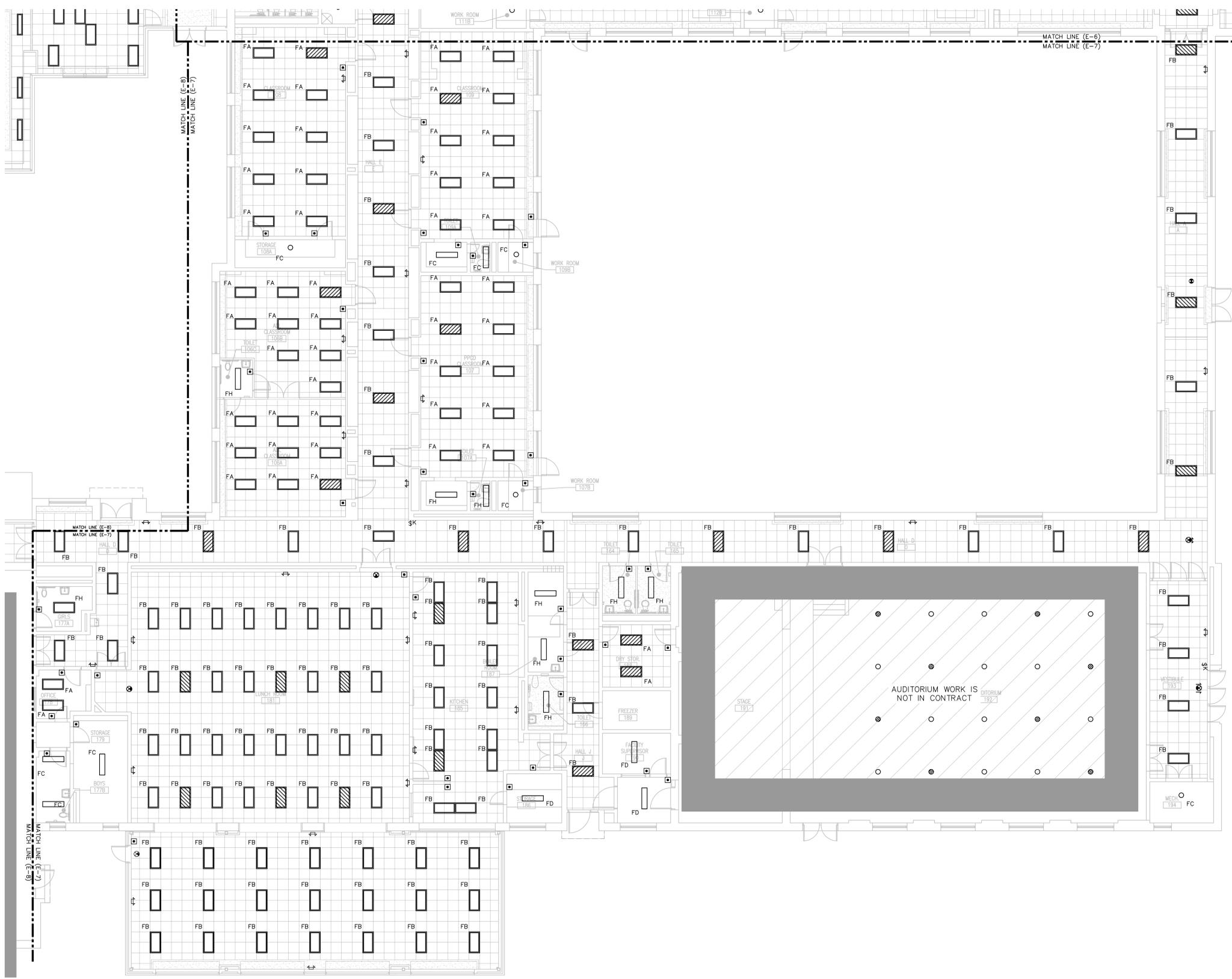
FEEDER SCHEDULE	
AMPS	SIZE DESCRIPTION
125A	(4) #1, 1#2G IN 1-1/2" C
225A	(3) #40, 1#4G IN 2-1/2" C
350A	(4) 500 KCML, 1#2G IN 3-1/2" C

- NOTES:
- 1 GROUND PER NEC. REFER TO GROUNDING DETAIL.
  - 2 EXISTING ONCOR PAD MOUNTED TRANSFORMER AND METER
  - 3 REPLACE EXISTING 2000A, 3φ-4W, 480/277V MAIN SWITCHBOARD "MSB" TO ALLOW ADDITIONAL BREAKER SPACE FOR PANEL "DP1" FEEDER CIRCUIT. INCLUDE CIRCUIT BREAKERS IN REPLACEMENT "MSB" FOR EXISTING LOADS, PANEL "K" AND (2) 400A EQUIPPED SPACES FOR FUTURE.
  - 4 REPLACE EXISTING SINGLE SECTION PANEL "K" WITH 400A (350A MAIN BREAKER) VERTICAL 2-SECTION PANEL AND BREAKERS TO MATCH THAT OF EXISTING LOADS PLUS 16 EQUIPPED SPACES FOR FUTURE (64 TOTAL SPACES). REPLACE FEEDER BREAKER POWERING PANEL B WITH 3P-125A.
  - 5 REPLACE EXISTING 100A, 30 CIRCUIT PANEL "B" WITH 125A, 42 CIRCUIT PANEL AND BREAKERS TO MATCH THAT OF EXISTING LOADS PLUS 10 EQUIPPED SPACES FOR FUTURE (42 TOTAL SPACES). ALSO REPLACE FEEDER FROM ADJACENT PANEL K WITH #2, #2G IN 1-1/2" C TO PANEL B.
  - 6 ROUTE POWER CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING TO ELECTRICAL DISTRIBUTION PANEL DP1 LOCATED IN ROOM 186. CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING FROM ROOM 185 TO PANEL K. SUBMIT SHOP DRAWING OF ROUTING FOR APPROVAL. BORE UNDER SIDEWALK.
  - 7 PROVIDE LINK SEAL TO ENSURE CONDUIT PENETRATION OF OUTSIDE WALL IS WATERPROOF. CONTRACTOR SHALL SUBMIT DATA ON LINK SEAL FOR APPROVAL.

NOTES OF COORDINATION FOR MAIN SWITCHBOARD REPLACEMENT:

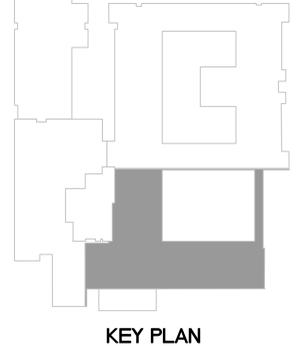
1. THE INTENT IS FOR THE ELECTRICAL CONTRACTOR TO RECONNECT ALL EXISTING LOADS TO FACILITATE REPLACEMENT OF EXISTING MAIN SWITCHBOARD. CONTRACTOR SHALL COORDINATE CLOSELY WITH SWITCHBOARD MANUFACTURER TO PROPERLY LOCATE NEW BREAKERS IN REPLACEMENT SWITCHBOARD IN ORDER TO CONNECT EXISTING CONDUCTORS WITHOUT SPLICE. SPLICING CONDUCTORS IN SWITCHBOARD IS NOT ALLOWED. AFTER COORDINATION WITH MANUFACTURER AND IF EXISTING CONDUCTORS CANNOT BE CONNECTED TWO NEW MAIN OR DISTRIBUTION BREAKERS WITHOUT SPLICING REPLACE SERVICE AND FEEDER CONDUCTORS IN THEIR ENTIRETY.
2. COORDINATE EXACT MEASUREMENTS REPLACEMENT SWITCHBOARD FOOTPRINT WITH SWITCHBOARD MANUFACTURER.





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3. REFER TO LIGHTING CONTROL SCHEDULE.
4. ALL ROOM CONTROLLERS SHALL BE MOUNTED ABOVE ACCESSIBLE CEILING EXCEPT MOUNT AT ROOF STRUCTURE FOR AREAS WITHOUT CEILING.
5. PROVIDE ADDITIONAL ROOM CONTROLLERS AS REQUIRED TO FACILITATE FIXTURE CONTROL AS NOTED.
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9. CONDUIT SHALL NOT EXCEED A TOTAL OF 270 DEGREE BENDS BETWEEN BOXES. REFER TO SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.
10. ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE TO BE EXPOSED.
11. REFER TO ARCHITECTURAL AND MECHANICAL/PLUMBING SHEETS FOR ADDITIONAL ELECTRICAL INFORMATION.
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**1 PARTIAL FIRST FLOOR PLAN - LIGHTING - ELECTRICAL**  
SCALE: 1/8"=1'-0"

COMM. NO. 1287  
DATE 10/17/24  
DRAWN RLT  
CHECKED RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH

REVISIONS:

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TELEPHONE: 817-463-2373  
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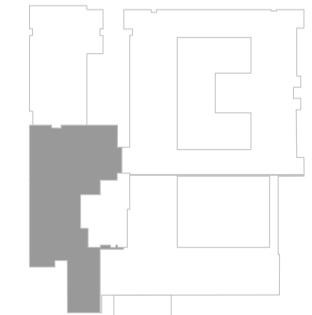
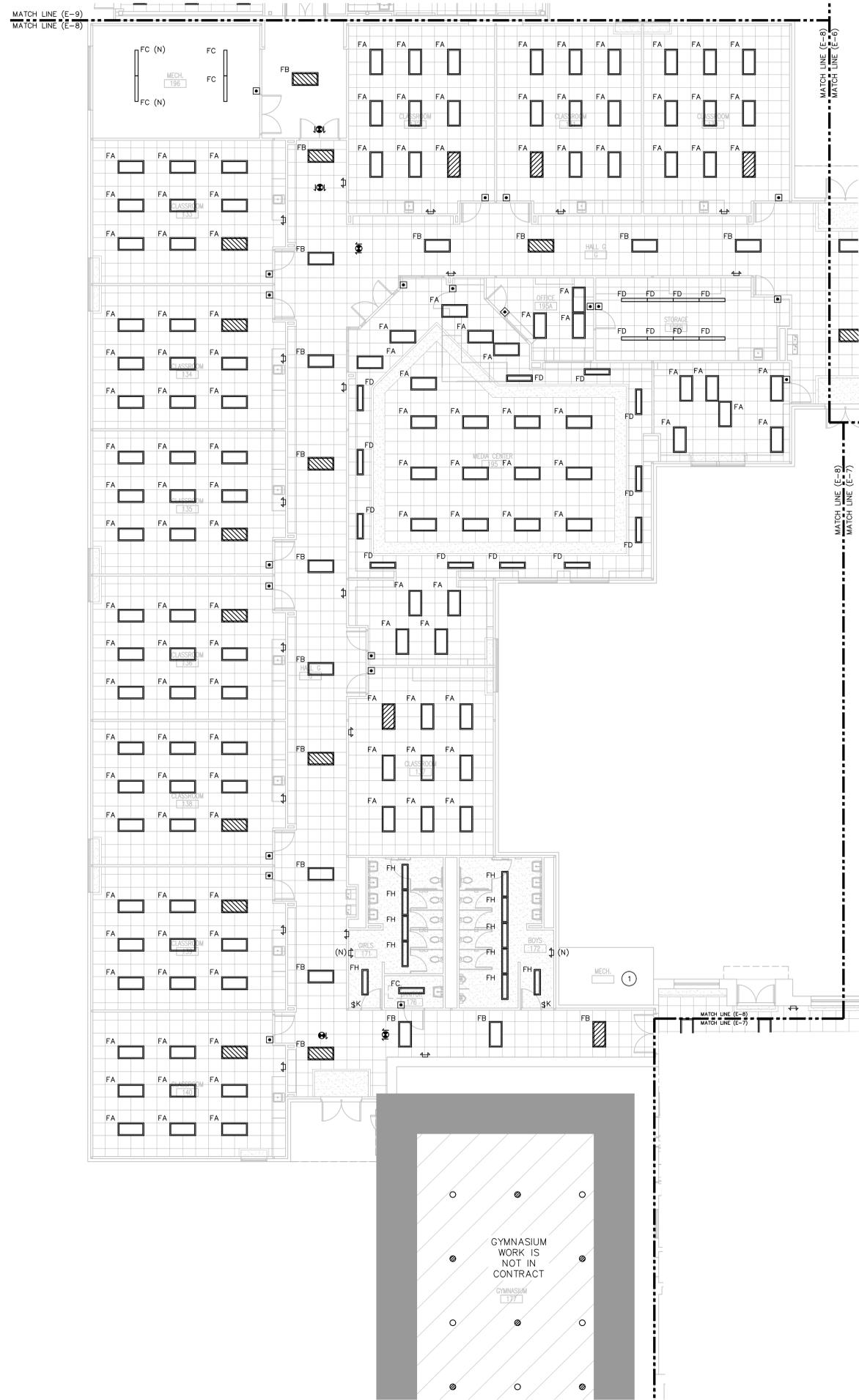
PARTIAL FIRST FLOOR PLAN  
LIGHTING - ELECTRICAL  
**E-7**

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 TEL: 817-463-2373  
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 PROJECT 2346-00



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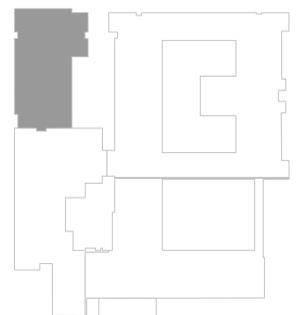
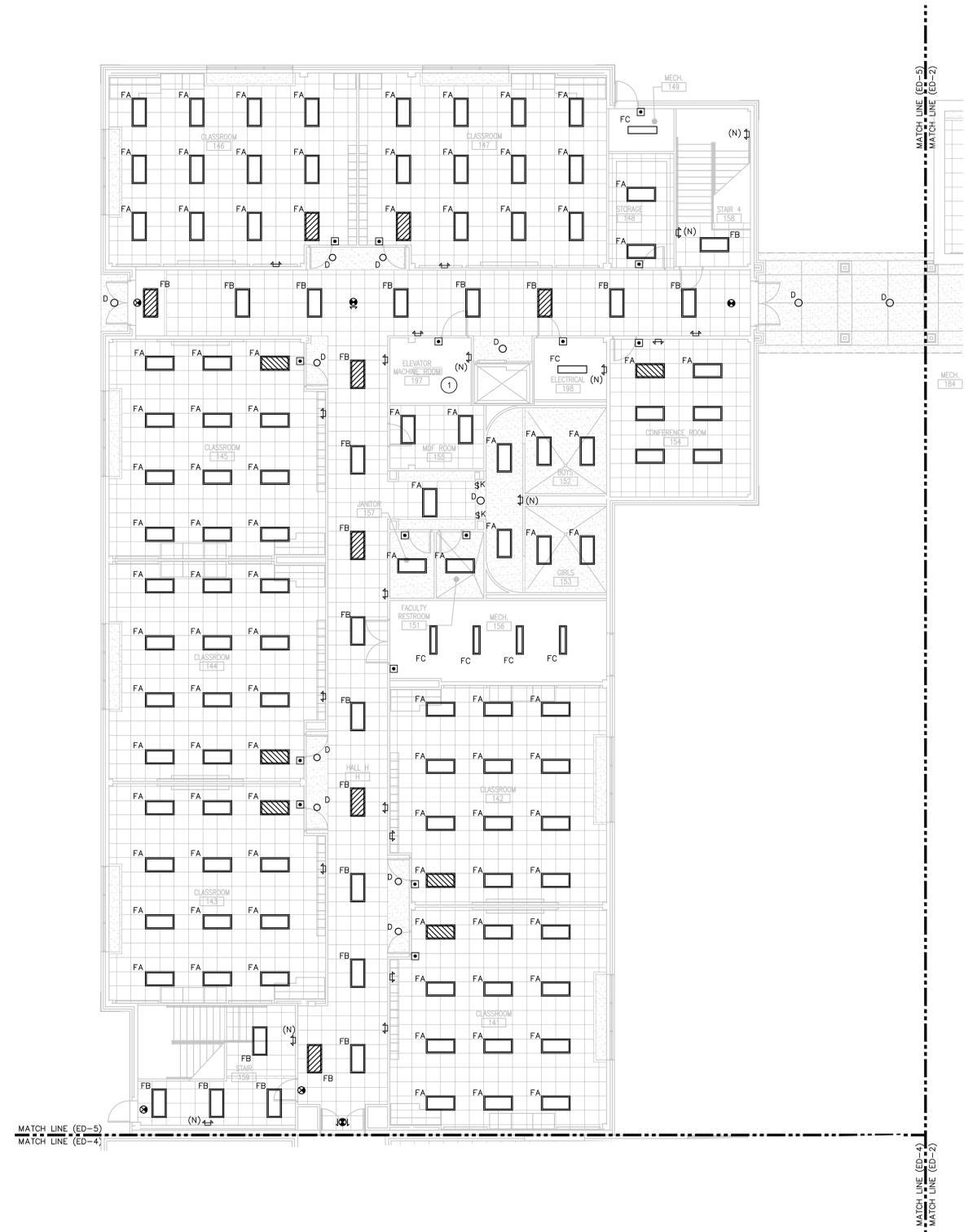
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- REPLACE EXISTING FIXTURES IN THIS ROOM/AREA. ACCESS WAS NOT AVAILABLE DURING ENGINEERING PHASE OF THESE DRAWINGS. SUBMIT QUANTITY AND FIXTURES FOR EACH ROOM/AREA.



**KEY PLAN**

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH

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 PROJECT 2346-00



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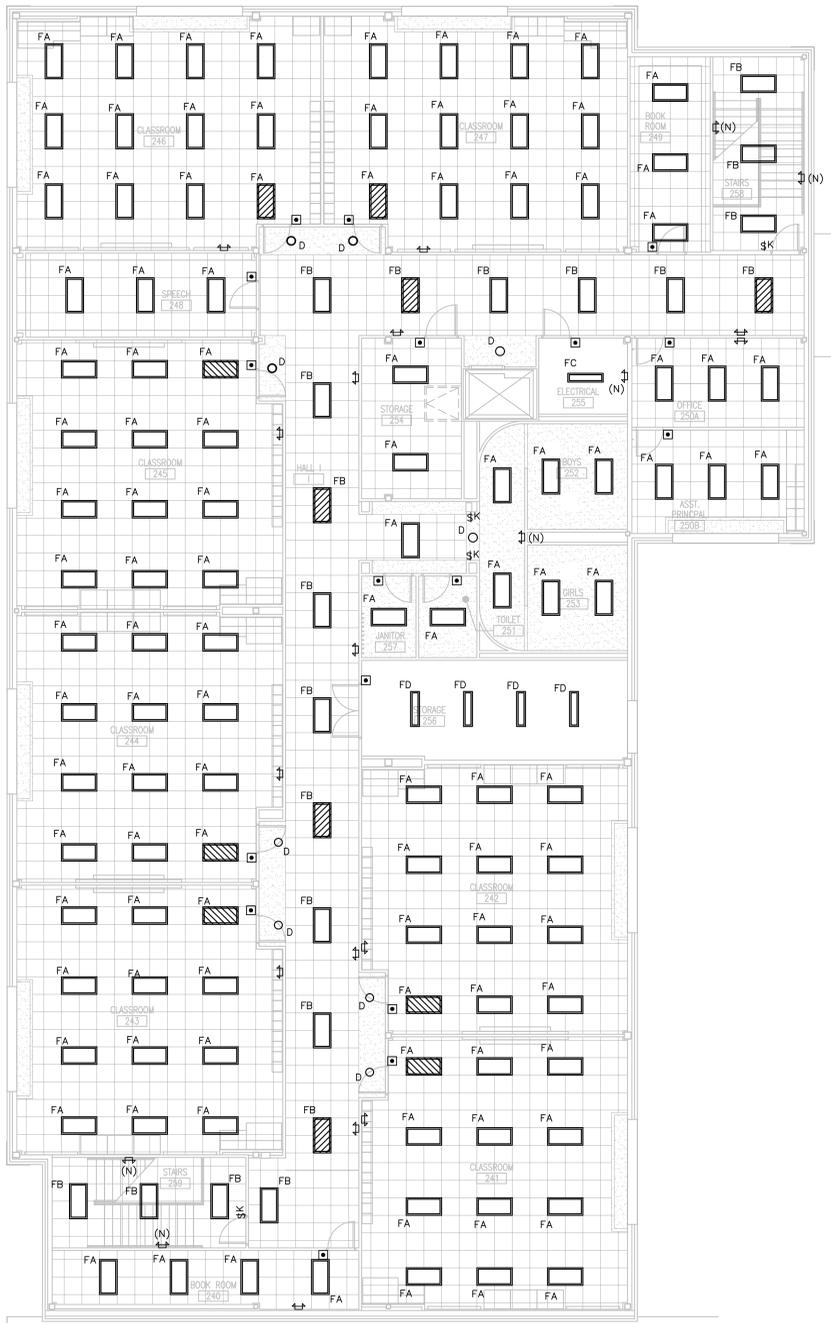
DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 S RAVINIA DR., DALLAS, TX 75211

PARTIAL SECOND FLOOR PLAN - LIGHTING - ELECTRICAL

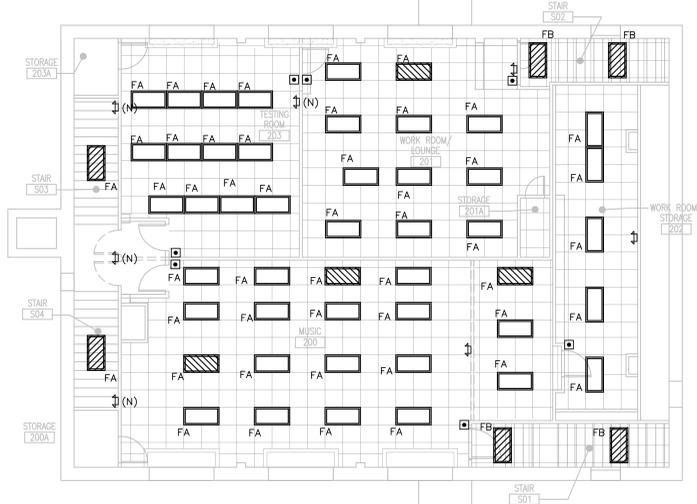
E-10

**GENERAL NOTES**

- REPLACE ALL LIGHT FIXTURES AND ASSOCIATED CONTROLS UNLESS NOTED OTHERWISE. EXISTING LIGHTING CONDUIT AND CONDUCTORS MAY BE REUSED FOR NEW LIGHTING IF POSSIBLE. REPLACE CONDUIT AND CONDUCTORS AS NECESSARY IF CONDITION OR CONFIGURATION IS UNSUITABLE FOR REUSE. MODIFY/EXTEND EXISTING LIGHTING CONDUIT AND CONDUCTORS AS REQUIRED TO FACILITATE NEW CONSTRUCTION.
- ALL SWITCHES AND LIGHTING CONTROL STATIONS SHALL BE MOUNTED PER ADA AND TAS REQUIREMENTS.
- REFER TO LIGHTING CONTROL SCHEDULE.
- ALL ROOM CONTROLLERS SHALL BE MOUNTED ABOVE ACCESSIBLE CEILING EXCEPT MOUNT AT ROOF STRUCTURE FOR AREAS WITHOUT CEILINGS.
- PROVIDE ADDITIONAL ROOM CONTROLLERS AS REQUIRED TO FACILITATE FIXTURE CONTROL AS NOTED.
- REPLACE ALL LIGHTING CONTROLS WITH NEW DEVICES AND COVER PLATES. REUSE BACK BOXES AND CONDUIT WHEN POSSIBLE. IF NEW CONTROL CONDUIT AND CONDUCTORS ARE REQUIRED CONCEAL WITHIN WALLS OF STRUCTURE. SURFACE MOUNTED CONDUIT AND CONDUCTORS IS NOT ALLOWED WITHOUT WRITTEN APPROVAL.
- CONNECT EMERGENCY LIGHTING FIXTURES AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT (CONTRACTOR TO VERIFY COMPATIBLE VOLTAGE). EXIT LIGHTING SHALL BE CONNECTED AHEAD OF EXISTING LIGHTING CONTROLS TO REMAIN ALWAYS ON. EMERGENCY FIXTURES SHALL BE CONNECTED TO NORMAL CIRCUIT IN SAME ROOM AHEAD OF LIGHTING CONTROLS.
- VERIFY EXACT MOUNTING HEIGHT, AND LOCATION OF EXIT AND EMERGENCY LIGHTING FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN. MOUNTED TO CEILING IS PREFERABLE.
- CONDUIT SHALL NOT EXCEED A TOTAL OF 270 DEGREE BENDS BETWEEN BOXES. REFER TO SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.
- ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE TO BE EXPOSED.
- REFER TO ARCHITECTURAL AND MECHANICAL/PLUMBING SHEETS FOR ADDITIONAL ELECTRICAL INFORMATION.
- COORDINATE AND SCHEDULE ANY ELECTRICAL SERVICE INTERRUPTIONS WITH OWNER AND POWER COMPANY.
- THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP OF CERTAIN ITEMS REMOVED DURING DEMOLITION. ALL ITEMS NOT RETAINED BY OWNER SHALL BE BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
- CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT VOLTAGES PRIOR TO BID.
- REPLACE EXISTING FIXTURES WITH TYPE SHOWN. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- CONFIRM ALL CEILING AND WALL DEVICE LOCATIONS PRIOR TO ANY WORK. INFORMATION SHOWN ON DRAWINGS WAS TAKEN IN PART FROM SITE INVESTIGATIONS AND IS PROVIDED AS AN AID TO THE CONTRACTORS IN ASCERTAINING THE SCOPE OF WORK. NEITHER THE OWNER, ARCHITECT NOR ENGINEER SHALL BE RESPONSIBLE FOR ANY OMISSIONS OR DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS. THE CONTRACTOR SHALL VERIFY EXACT QUANTITIES AND CONDITIONS AT THE JOBSITE PRIOR TO BID.
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- INSTALL NEW LED LIGHT FIXTURES PER FIXTURE SCHEDULE AND NIGHT LIGHTING CONTROLS PER D.I.S.D. STANDARDS. SEE LIGHTING CONTROL AND FIXTURE SCHEDULES.
- FIXTURES SHOWN CROSSHATCHED SHALL HAVE INTEGRAL BATTERY BACKUP. PROVIDE NORMAL SENSING RELAYS AS REQUIRED. THESE FIXTURES SHALL BE CONTROLLED WITH ADJACENT NORMAL FIXTURES.
- FIXTURES NOTED WITH "(N)" ARE NEW FIXTURE LOCATIONS. EXTEND NEAREST CIRCUIT AND CONTROL AS SCHEDULED AND AS NOTED ABOVE FOR EMERGENCY FIXTURES.



SECOND FLOOR NORTHWEST



SECOND FLOOR NORTHEAST

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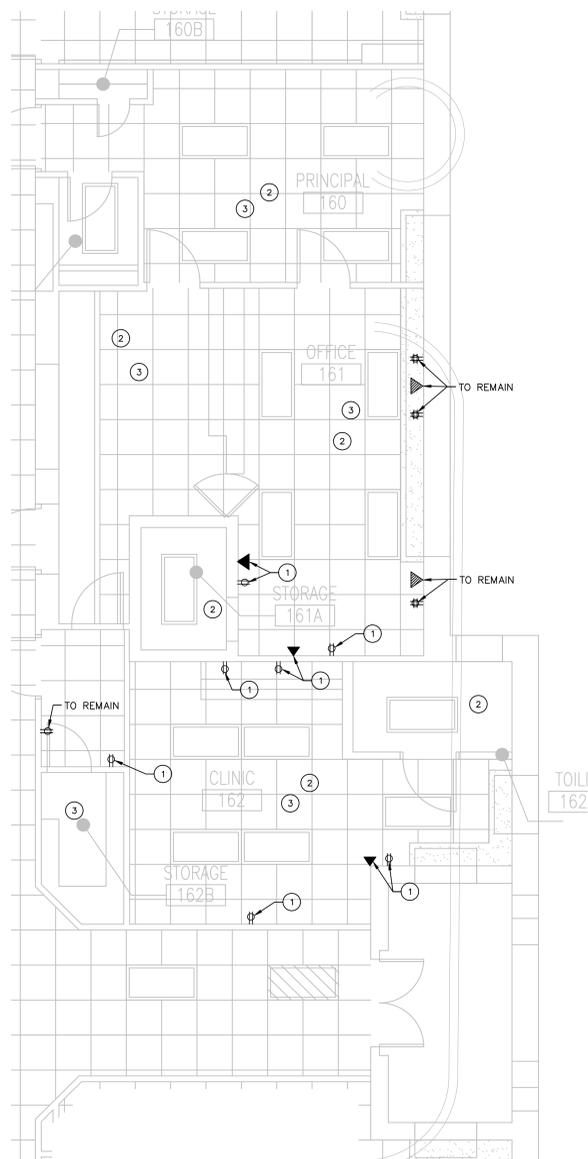


DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
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MAIN ENTRY SECURITY VESTIBULE - DEMOLITION - ELECTRICAL  
**E-11**

**GENERAL NOTES**

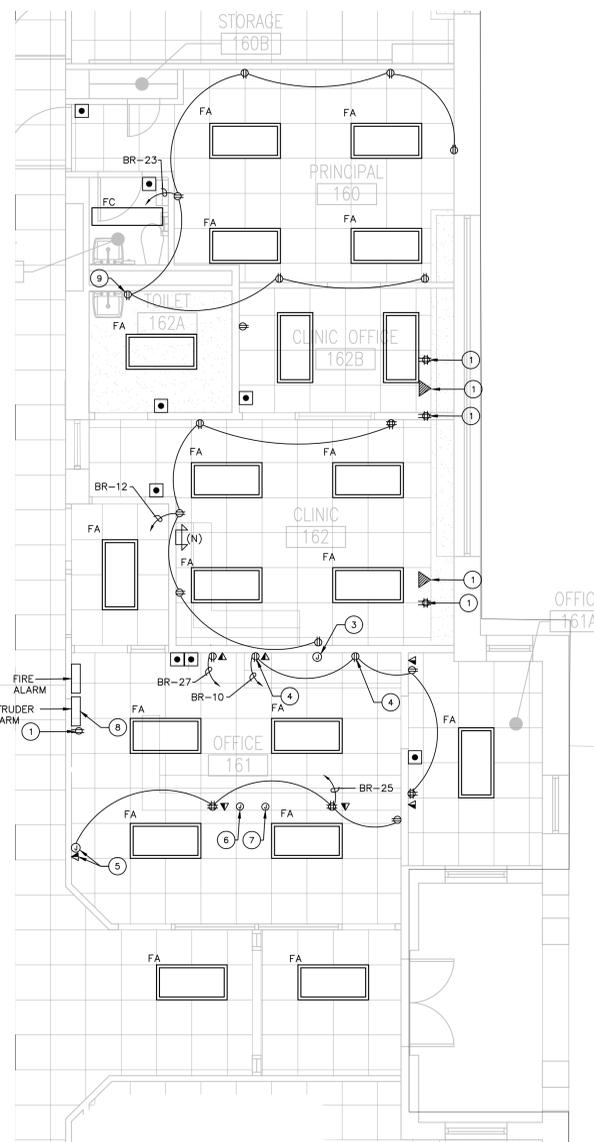
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**DEMOLITION - ELECTRICAL**

**NOTES BY SYMBOL**

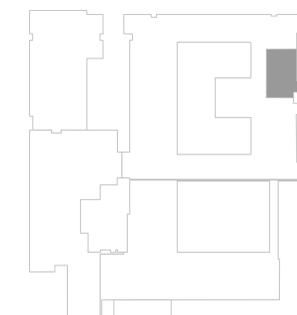
- EXISTING DEVICES, DEVICE BOXES, CONDUITS AND CONDUCTORS SHALL BE REMOVED (NOT ALL ARE SHOWN). MODIFY/EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS AS REQUIRED TO FACILITATE SERVICE TO REMAINING DEVICES. MATCH CONDUIT AND CONDUCTOR SIZES WITH THAT OF EXISTING.
- REMOVE ALL LIGHT FIXTURES IN PREPARATION FOR NEW WORK. EXISTING CONDUIT AND CONDUCTORS MAY BE REUSED IN NEW WORK.
- REMOVE ALL ABANDONED CONDUIT AND CONDUCTORS. EXISTING CONDUIT AND CONDUCTORS MAY BE REUSED IF VERIFIED IN GOOD CONDITION AND CIRCUITS HAVE DEDICATED NEUTRALS.



**LIGHTING AND POWER- ELECTRICAL**

**NOTES BY SYMBOL**

- EXISTING DEVICE. REPLACE DEVICE WITH NEW MATCHING DEVICE AND COVER PLATE ENGRAVED WITH CIRCUIT AND PANEL INFORMATION.
- INSTALL NEW LED LIGHT FIXTURES PER FIXTURE SCHEDULE AND NIGHT LIGHTING CONTROLS PER D.I.S.D. STANDARDS. SEE LIGHTING CONTROL AND FIXTURE SCHEDULES.
- NOT USED.
- INSTALL DEVICES ABOVE COUNTER TOP. COORDINATE WITH ARCHITECT AND MILLWORK CONTRACTOR FOR EXACT HEIGHT OF J-BOX TO FINISH OUT WITH COVER PLATES 2" ABOVE COUNTER TOP.
- INSTALL 120V TO "VOLUNTEER CHECK-IN" STATION. COORDINATE WITH ARCHITECT/OWNER FOR EXACT HEIGHT OF DEVICE BOXES PRIOR TO ROUGH-IN.
- INSTALL 3/4" DATA RISER ACCESSIBLE CEILING FOR PUSH BUTTON AND DOOR RELEASE (ENTRY FROM RECEPTION DESK). INCLUDE PULL STRING IN CONDUIT. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- INSTALL 3/4" DATA RISER ACCESSIBLE CEILING FOR PUSH BUTTON AND DOOR RELEASE (ENTRY TO RECEPTION FROM SCHOOL HALL DESK). INCLUDE PULL STRING IN CONDUIT. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- INTRUDER ALARM SYSTEM PANEL RELOCATED BY SECURITY ACCESS CONTRACTOR. MODIFY /EXTEND EXISTING ELECTRICAL CIRCUIT TO NEW LOCATION AND TERMINATE POWER AS REQUIRED.
- INSTALL GFCI RECEPTACLE AS UNDER SINK FOR POWER TO AUTOMATED FAUCET. PRIOR TO ROUGH-IN. COORDINATE EXACT LOCATION WITH MECHANICAL PRIOR TO ROUGH-IN.



**KEY PLAN**

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

**1 MAIN ENTRY SECURITY VESTIBULE - ELECTRICAL**

SCALE: 1/4"=1'-0"



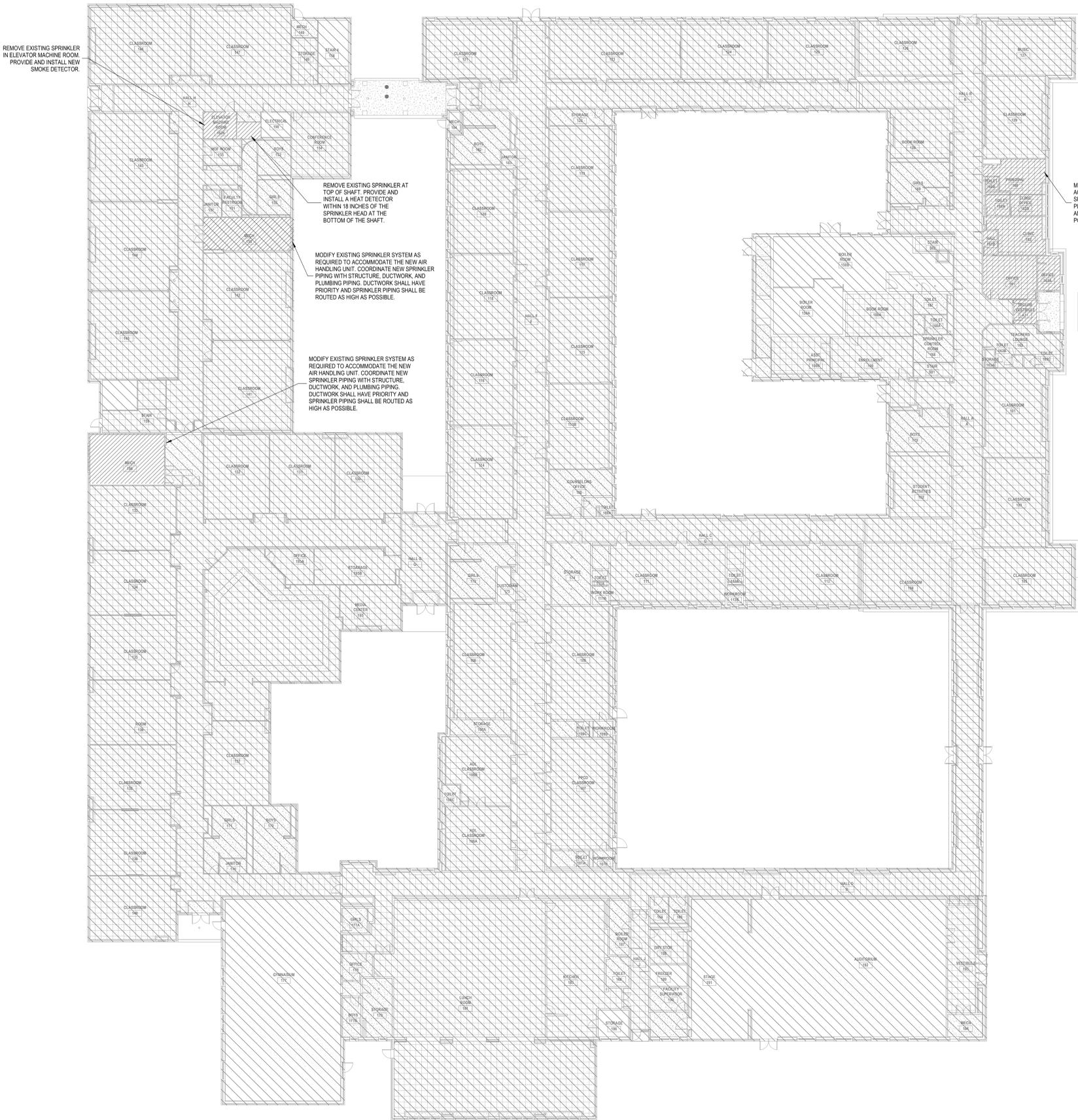


**FIRE PROTECTION LEGEND**

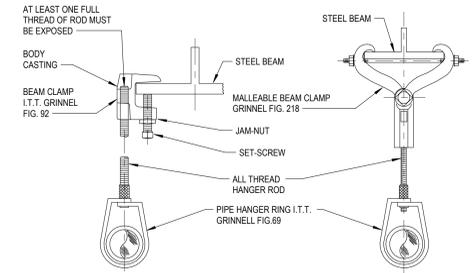
- F FIRE PROTECTION PIPE
- ▶ FIRE RISER
- ▨ EXISTING SPRINKLER SYSTEM
- ▩ EXISTING SPRINKLER SYSTEM TO BE MODIFIED TO SERVE EXISTING BUILDING

**FIRE PROTECTION GENERAL NOTES**

1. THE WORK COVERED UNDER THIS SECTION CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND PERFORMING ALL OPERATIONS REQUIRED TO PROVIDE COMPLETE, HYDRAULICALLY DESIGNED, AUTOMATIC FIRE SPRINKLER SYSTEM(S) AS SPECIFIED, FOR THE ENTIRE PROJECT. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
  - A) COMPLETE DESIGN AND WORKING DRAWINGS MEETING APPLICABLE REQUIREMENTS.
  - B) SPRINKLER HEADS.
  - C) PIPING.
  - D) VALVES.
2. THE FIRE PROTECTION SYSTEM SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE CITY FIRE DEPARTMENT. THE SYSTEM SHALL COMPLY WITH ALL APPLICABLE CITY, STATE, AND NATIONAL CODES AND ORDINANCES, AND THE CODES, ORDINANCES AND REGULATIONS OF ALL OTHER RULING AUTHORITIES HAVING JURISDICTION, INCLUDING, BUT NOT LIMITED TO:
  - NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS
3. CONTRACTOR SHALL ARRANGE SPRINKLER HEADS REFERENCED TO ROOM CENTERLINES AND AXES TO ESTABLISH A PATTERN COMPLEMENTARY TO THE FINISHED CEILING. COORDINATE EXACT HEAD LOCATION AND PIPE ROUTING WITH THE ARCHITECT PRIOR TO INSTALLATION.
4. SPRINKLER PIPING SHALL BE CONCEALED TO THE EXTENT POSSIBLE IN ALL BUT STRICTLY MECHANICAL UTILITY AREAS. ALL LAYOUTS OF SPRINKLER PIPING SHALL BE REVIEWED BY AND COORDINATED WITH THE ARCHITECT. FINAL APPROVAL OF PIPING LAYOUT, HEAD PLACEMENT, ETC. SHALL BE BY ARCHITECT. ALL EXPOSED PIPING AND FITTINGS SHALL BE PAINTED TO MATCH ADJACENT WALL OR CEILING SURFACE AS DIRECTED BY THE ARCHITECT.
5. SPRINKLER HEADS SHALL BE SEMI-RECESSED TYPE, CHROME FINISH IN AREAS WITH FINISHED CEILINGS WHERE PIPING CAN BE CONCEALED. SPRINKLER HEADS IN UTILITY OR MECHANICAL AREAS SHALL BE STANDARD CHROME FINISH, SIDE WALL, PENDANT OR UPRIGHT HEADS AS REQUIRED.
6. ALL THREADED PIPING SHALL BE SCHEDULE 40 BLACK STEEL. THE MINIMUM THIN WALL PIPING ALLOWED SHALL BE SCHEDULE 30 FOR PIPE UP TO 2" AND SCHEDULE 10 FOR PIPE OVER 2". ALL THIN WALL PIPING SHALL BE JOINED USING ROLLED GROOVES WITH COUPLINGS. IF ALLOWED BY LOCAL CODES, OTHER TYPES OF PIPING MAY BE USED, BUT ONLY THOSE LISTED FOR FIRE SPRINKLER SERVICE.
7. FURNISH AND INSTALL ALL VALVES AND ACCESSORIES REQUIRED BY AUTHORITY HAVING JURISDICTION.
8. SYSTEM TEST AND DRAIN VALVES SHALL BE COORDINATED WITH THE OWNER BY SPECIFICALLY CALLING TO THE OWNER'S ATTENTION THE LOCATION OF THESE SYSTEMS.
9. SYSTEM SHALL BE THOROUGHLY CLEANED BY FLUSHING OUT WITH WATER UNTIL IT IS FREE FROM SAND, OIL OR OTHER FOREIGN MATTER, PRIOR TO THE INSTALLATION OF HEADS AND ORIFICES.
10. UPON AWARD OF THE CONTRACT FOR THE FIRE PROTECTION SYSTEM, THE CONTRACTOR SHALL PREPARE PRELIMINARY DRAWINGS AND SECURE THE APPROVAL OF THE OWNER AND ARCHITECT. ON APPROVAL OF THE OWNER AND ARCHITECT, THE CONTRACTOR SHALL PREPARE DETAILED WORKING DRAWINGS FOR THE SYSTEM AND SECURE THE APPROVALS OF THE LOCAL FIRE MARSHAL, THE OWNER'S INSURANCE CARRIER, AND ANY OTHER APPROVALS REQUIRED. A COPY OF THE APPROVAL LETTERS SHALL BE DELIVERED TO THE ARCHITECT PRIOR TO COMMENCING WORK.
11. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE A LETTER OF GUARANTEE, WHICH SHALL GUARANTEE THE WORK AGAINST DEFECTS IN MATERIALS AND INSTALLATION AS OUTLINED UNDER THE GENERAL CONDITIONS. SECURE THE APPROVAL OR SEAL OF THE STATE RATING BUREAU AND PROVIDE THIS DOCUMENT TO THE ARCHITECT AND THE OWNER.
12. THE FIRE PROTECTION PIPING SYSTEM SHALL BE HYDRAULICALLY CALCULATED BASED UPON 90 PERCENT RESIDUAL PRESSURE AVAILABLE, AS CONFIRMED BY A CONTRACTOR-PROVIDED FLOW TEST AT SITE. THE BUILDING DESIGN HAZARD SHALL BE AS INDICATED ON THE PLANS. THE HYDRAULIC CALCULATIONS SHALL BE BASED UPON THE REQUIREMENTS OF NFPA 13, SPRINKLER SYSTEMS DESIGN CRITERIA FOR THE REQUIRED HAZARD.
13. THE ARCHITECT SHALL HAVE THE FINAL AUTHORITY OVER ROUTING OF SPRINKLER RISER PIPING, SPRINKLER HEAD LOCATIONS, ETC. THE DESIGN OF THE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE CAREFULLY COORDINATED WITH THE ARCHITECT PRIOR TO SUBMISSION OF SHOP DRAWINGS AND SYSTEM INSTALLATION.
14. SPRINKLERS IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED.
15. SPRINKLER AT TOP OF ELEVATOR SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD.

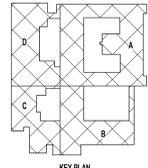


MODIFY EXISTING SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE NEW SPRINKLER PIPING WITH STRUCTURE, DUCTWORK, AND PLUMBING PIPING. DUCTWORK SHALL HAVE PRIORITY AND SPRINKLER PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE ABOVE CEILING.



**U.L. APPROVED BEAM CLAMP PIPE HANGERS**

**2 BEAM CLAMP HANGER**  
 NTS



**1 OVERALL PLAN - LEVEL 1 RCP - FIRE PROTECTION**  
 1/16" = 1'-0"



BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH

REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



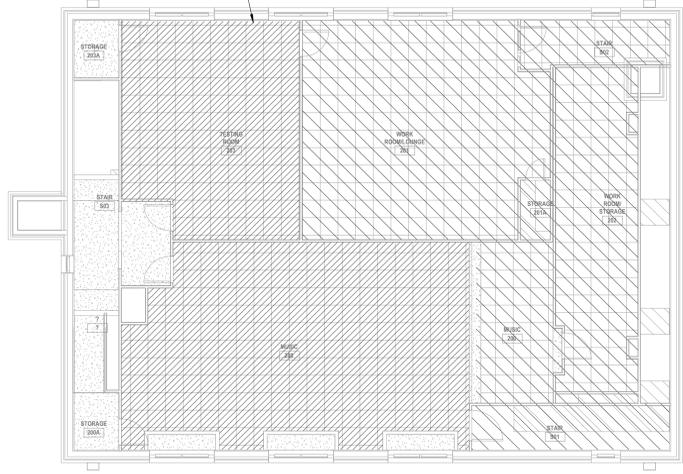
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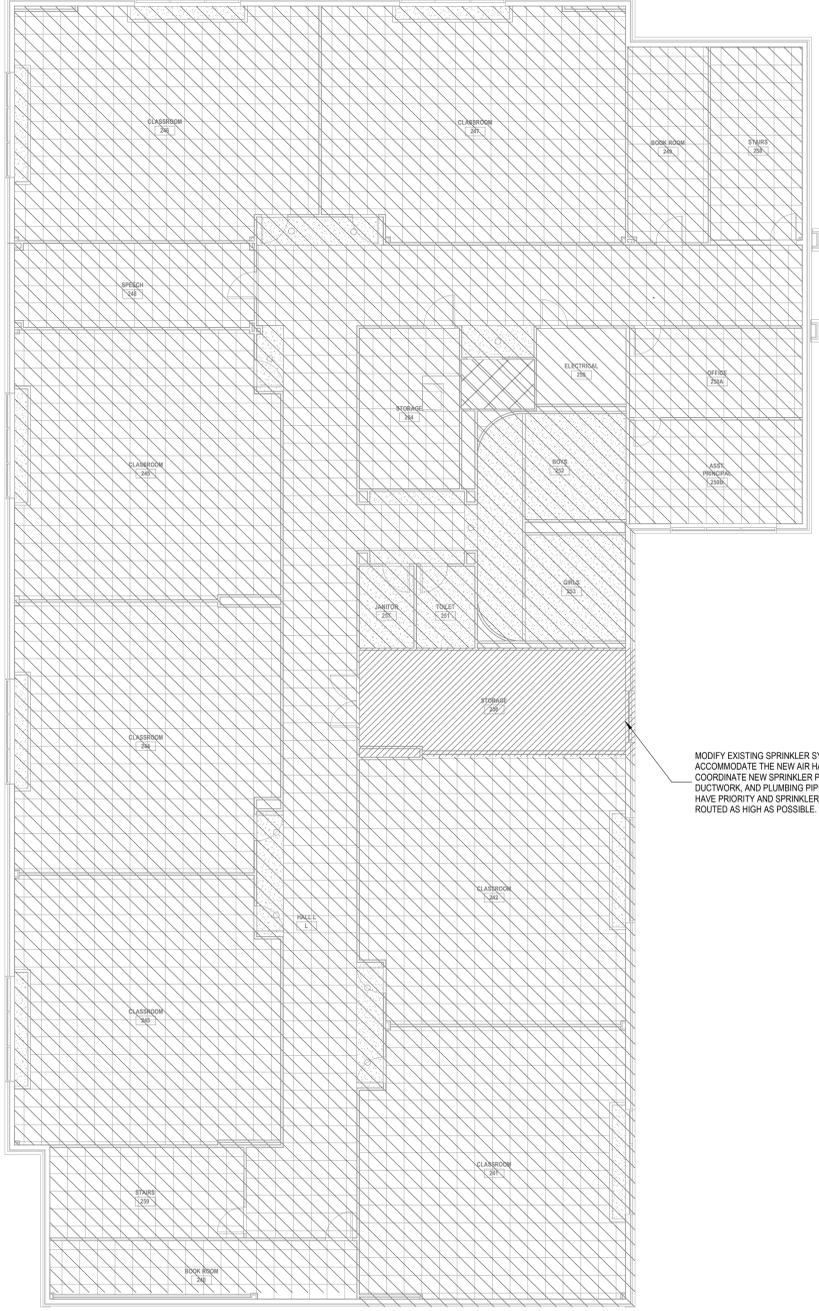
DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 RAVINIA DR., DALLAS, TX 75211

OVERALL PLAN - LEVEL 2 RCP - FIRE PROTECTION  
 FP-1.02

MODIFY EXISTING SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE NEW CEILING. COORDINATE NEW SPRINKLER PIPING WITH STRUCTURE, DUCTWORK, AND PLUMBING PIPING. DUCTWORK SHALL HAVE PRIORITY AND SPRINKLER PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE ABOVE CEILING.

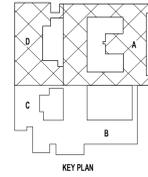


1 OVERALL PLAN - LEVEL 2 RCP - AREA A - FIRE PROTECTION  
 1/8" = 1'-0"



MODIFY EXISTING SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW AIR HANDLING UNIT. COORDINATE NEW SPRINKLER PIPING WITH STRUCTURE, DUCTWORK, AND PLUMBING PIPING. DUCTWORK SHALL HAVE PRIORITY AND SPRINKLER PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE.

2 OVERALL PLAN - LEVEL 2 RCP - AREA D - FIRE PROTECTION  
 1/8" = 1'-0"



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 TBPELS Firm #44, #10011300, #10011302, #10194146  
 BHB PROJECT # 2023.181.000

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

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DALLAS INDEPENDENT SCHOOL DISTRICT  
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OVERALL DEMOLITION MECH/P/LB/G SITE PLAN  
 MP-1.00

**SHEET NOTES:**

1. DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE NOT AVAILABLE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
2. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL VERIFY LOCATION & ELEVATION OF EXISTING UTILITIES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER OR OWNER'S AGENT.
3. BURIED UTILITIES IN THE AREA. CONTRACTOR SHALL CONTACT DIG TESS (811) AND COORDINATE WITH UTILITY COMPANIES TO LOCATE ALL LINES IN THE AREA PRIOR TO CONSTRUCTION.

**NOTES BY SYMBOL:** "○"

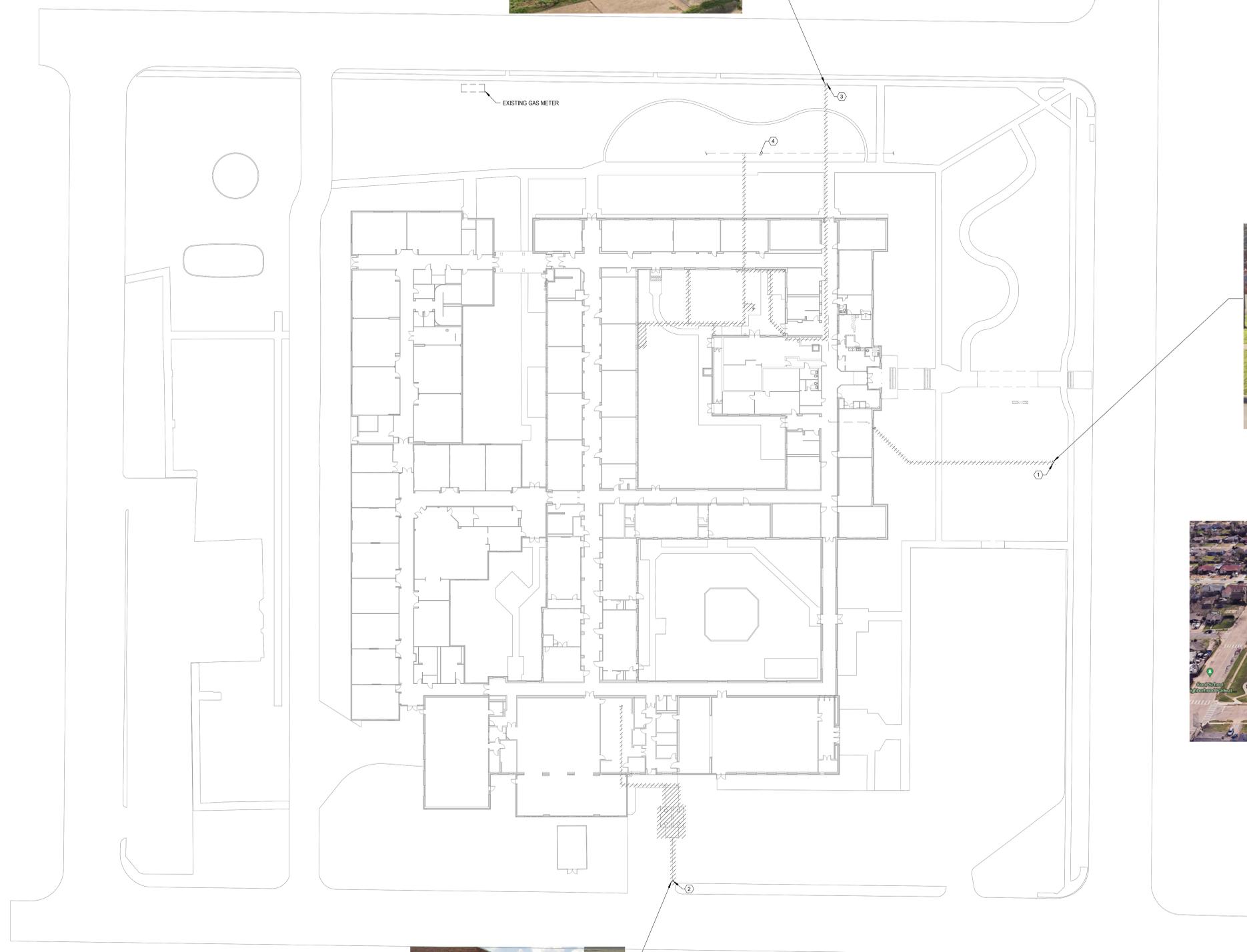
- 1 DEMOLISH SANITARY WASTE PIPING FROM EXISTING BUILDING TO WITHIN 3'-5" OF THE EXISTING PROPERTY LINE. FIELD VERIFY EXISTING SANITARY WASTE PIPING SIZE AND SANITARY SEWER CONNECTION REQUIREMENTS PRIOR TO BEGINNING WORK.
- 2 DEMOLISH SANITARY WASTE PIPING FROM NEW GREASE INTERCEPTOR SERVING EXISTING BUILDING AND CONTINUE TO WITHIN 3'-5" OF THE EXISTING PROPERTY LINE. FIELD VERIFY EXISTING SANITARY WASTE PIPING SIZE AND SANITARY SEWER CONNECTION REQUIREMENTS PRIOR TO BEGINNING WORK.
- 3 DEMOLISH EXISTING DOMESTIC WATER PIPING FROM EXISTING BUILDING DOUBLE CHECK VALVE BACK TO EXISTING WATER METER. FIELD VERIFY EXISTING DOMESTIC WATER PIPING SIZE AND DOMESTIC WATER METER CONNECTION REQUIREMENTS PRIOR TO BEGINNING WORK.
- 4 EXISTING STORM DRAIN TO REMAIN. DRAWINGS ARE BASED ON THIRD PARTY INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING STORM DRAIN PIPING LOCATION, INVERT ELEVATION AND SIZE.



EXISTING GAS METER



THIS GOOGLE MAP IMAGE SHOWS THE ASSUMED ROUTING OF THE SANITARY, DOMESTIC WATER, AND FIRE PROTECTION PIPING.



1 OVERALL DEMOLITION SITE PLAN  
 1" = 30'-0"



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**SHEET NOTES:**

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- ALL CHILLED WATER PIPING SHOWN ON PLAN IS ROUTED ABOVE CEILING OR ABOVE PLASTER CEILING AND IS ROUTED FROM A CRAWL SPACE OPENING IN THE FLOOR FROM THE EXISTING WATER COOLED CHILLER. ALL HEATING WATER PIPING IS ROUTED FROM BOILER ROOM 150A ABOVE CEILING. REFER TO NOTE BY SYMBOLS AND NOTES ON DRAWINGS FOR FURTHER CLARIFICATION.

**NOTES BY SYMBOL:**

- DEMOLISH EXISTING CEILING-MOUNTED EXHAUST FAN. PREPARE EXISTING DUCTWORK TO REMAIN FOR FUTURE CONNECTION.
- DEMOLISH EXISTING AIR DEVICE AND BRANCH DUCTWORK TO (E) MAIN ABOVE CEILING. CAP EXISTING DUCTWORK TO REMAIN. PATCH AND REPAIR EXISTING DUCTWORK TO REMAIN TO MATCH SURROUNDING CONDITIONS.
- EXISTING CD PIPING DOWN FROM ROOF.
- FIELD VERIFY EXISTING DOMESTIC WATER MAIN SIZE, ELEVATION, AND ROUTING PRIOR TO BEGINNING WORK. DEMOLISH 4" DOMESTIC WATER MAIN FROM ASSOCIATED DOUBLE CHECK VALVE ASSEMBLY BACK TO EXISTING WATER METER. PREPARE EXISTING DOMESTIC WATER PIPING AND EXISTING WATER METER TO REMAIN FOR FUTURE CONNECTION.
- DEMOLISH EXISTING DOUBLE CHECK VALVE ASSEMBLY AS PART OF AN A-D ALTERNATE. PREPARE EXISTING 4" DOMESTIC WATER PIPING TO REMAIN FOR FUTURE CONNECTION.
- EXISTING DUCTWORK UP TO EXISTING RTU/A. FIELD VERIFY DUCT ROUTING PRIOR TO BEGINNING WORK.
- EXISTING CHS AND CHR PIPING UP TO EXISTING AIR HANDLING UNITS TO REMAIN. PROVIDE NEW CONNECTIONS AND TRANSITIONS FOR CHR AND CHR PIPING AS NECESSARY TO CONNECT TO NEW AIR HANDLING UNITS.
- EXISTING HWS AND HWR PIPING UP TO EXISTING AIR HANDLING UNITS TO REMAIN. PROVIDE NEW CONNECTIONS AND TRANSITIONS FOR CHR AND CHR PIPING AS NECESSARY TO CONNECT TO NEW AIR HANDLING UNITS.
- REMOVE EXISTING CHR PIPING UP FROM CRAWLSPACE. PATCH FLOOR OPENING AND MATERIAL. COORDINATE PATCH AND REPAIR OF EXISTING FLOOR WITH ARCHITECT.
- EXISTING CHS AND CHR PIPING UP FROM CRAWLSPACE. REFER TO NBS 16, 17, 18 FOR SCOPE RELATED TO THIS WORK.
- DEMOLISH EXISTING TEMPERATURE SENSOR AND CONTROLS FOR (E) RTU/A.
- DEMOLISH EXISTING THERMOSTAT AND CONTROLS FOR (E) RTU/A.
- EXISTING AIR DEVICE TO REMAIN.
- REMOVE EXISTING DUCTWORK AND HYDRONIC PIPING BACK FROM EXISTING VAN BOX. CAP EXISTING MAIN DUCTWORK AND EXISTING HEATING WATER PIPING TEE.
- DEMOLISH EXISTING SUPPLY AIR SIDEWALL DIFFUSER AND ASSOCIATED DUCTWORK SERVING STORAGE ROOM (ADF ROOM) BACK TO MAIN. PATCH AND REPAIR EXISTING DUCT TO REMAIN FOR FUTURE CONNECTION.
- CONTRACTOR TO CONFIRM EXISTING CHS PIPE SIZE. IF PIPING IS NOT 3" OR LARGER CONTRACTOR TO DEMOLISH EXISTING PIPING AS SHOWN BACK TO CRAWL SPACE AND PREPARE FOR FUTURE CONNECTION.
- CONTRACTOR TO CONFIRM EXISTING CHR PIPE SIZE. IF PIPING IS NOT 3" OR LARGER CONTRACTOR TO DEMOLISH EXISTING PIPING AS SHOWN BACK TO CRAWL SPACE AND PREPARE FOR FUTURE CONNECTION.
- CONTRACTOR TO CONFIRM EXISTING CHS AND CHR PIPE SIZE. IF PIPING IS NOT 2-1/2" OR LARGER CONTRACTOR TO DEMOLISH EXISTING PIPING AS SHOWN BACK TO CRAWL SPACE AND PREPARE FOR FUTURE CONNECTION.
- STORM DRAIN ROUTING AND SIZING BASED ON THIRD PARTY INFORMATION. CONTRACTOR SHALL FIELD VERIFY STORM DRAIN SIZE, LOCATION, AND INVERT ELEVATION. DEMOLISH ALL STORM DRAIN PIPING AND ASSOCIATED AREA DRAINS AS SHOWN AND PREPARE EXISTING STORM DRAINS TO REMAIN FOR FUTURE CONNECTION.



1 MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - AREA A  
 1/8" = 1'-0"



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**SHEET NOTES:**

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- CONTRACTOR SHALL HAVE TAB CONTRACTOR TEST AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBLANCE NEW AHURTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
- ALL CHILLED WATER PIPING SHOWN ON PLAN IS ROUTED ABOVE CEILING OR ABOVE PLASTER CEILING AND IS ROUTED FROM A CRAWL SPACE OPENING IN THE FLOOR FROM THE EXISTING WATER COOLED CHILLER. ALL HEATING WATER PIPING IS ROUTED FROM BOILER ROOM 150A ABOVE CEILING. REFER TO NOTE BY SYMBOLS AND NOTES ON DRAWINGS FOR FURTHER CLARIFICATION.

**NOTES BY SYMBOL:** "O" ""

- DEMOLISH EXISTING CEILING-MOUNTED EXHAUST FAN. PREPARE EXISTING DUCTWORK TO REMAIN FOR FUTURE CONNECTION.
- CD PIPING DOWN FROM ROOF.
- EXISTING CD PIPING DOWN FROM ROOF.
- EXISTING CHS, CHR, HWS, AND HWR PIPING UP TO AHU-2. DEMOLISH EXISTING HWS AND HWR PIPING BACK TO TEE.
- EXISTING CHS, CHR, HWS, AND HWR PIPING UP TO AHU-3.
- DEMOLISH EXISTING TEMPERATURE SENSOR AND CONTROLS FROM AHU-4. PRESERVE EXISTING LOCATION FOR NEW TEMPERATURE SENSOR FOR NEW AHU-4.
- DEMOLISH EXISTING TEMPERATURE SENSOR AND CONTROLS FROM RTU-2. PRESERVE EXISTING LOCATION FOR NEW TEMPERATURE SENSOR FOR NEW RTU-2.
- DEMOLISH EXISTING TEMPERATURE SENSOR AND CONTROLS FROM AHU-2. PRESERVE EXISTING LOCATION FOR NEW TEMPERATURE SENSOR FOR NEW AHU-2.
- DEMOLISH EXISTING 20 HP CONDENSER WATER PUMP AND PREPARE EXISTING UTILITIES FOR FUTURE CONNECTION.
- DEMOLISH EXISTING 20 HP CHILLED WATER PUMP AND PREPARE EXISTING UTILITIES FOR FUTURE CONNECTION.
- EXISTING AIR DEVICE TO REMAIN.
- CHR PIPING DOWN FROM EXISTING COOLING TOWER TO BE DEMOLISHED.
- EXISTING CHS, CHR, HWS, AND HWR PIPING UP TO AHU-4.
- CWS PIPING UP TO COOLING TOWER.
- EXISTING 2" CONDENSATE DRAIN PIPING DOWN TO MOP SINK TO REMAIN.
- EXISTING CHS AND CHR PIPING ROUTED TO BE ABOVE CEILING.
- REMOVE EXISTING WATER HEATER AND RETURN TO OWNER FOR THEIR STOCK.

COMM. NO. 1287  
DATE 10/17/2024  
DRAWN RT  
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH

REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



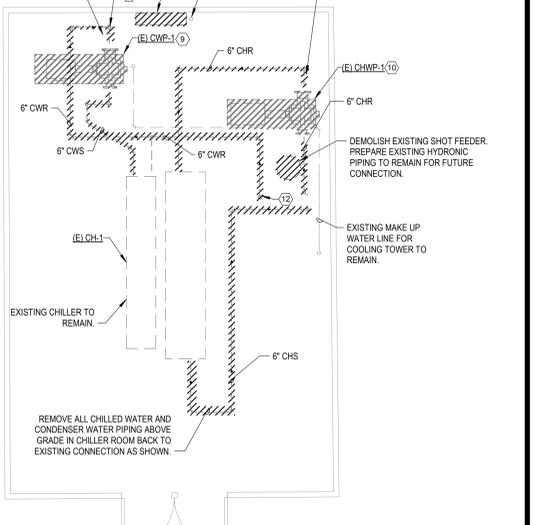
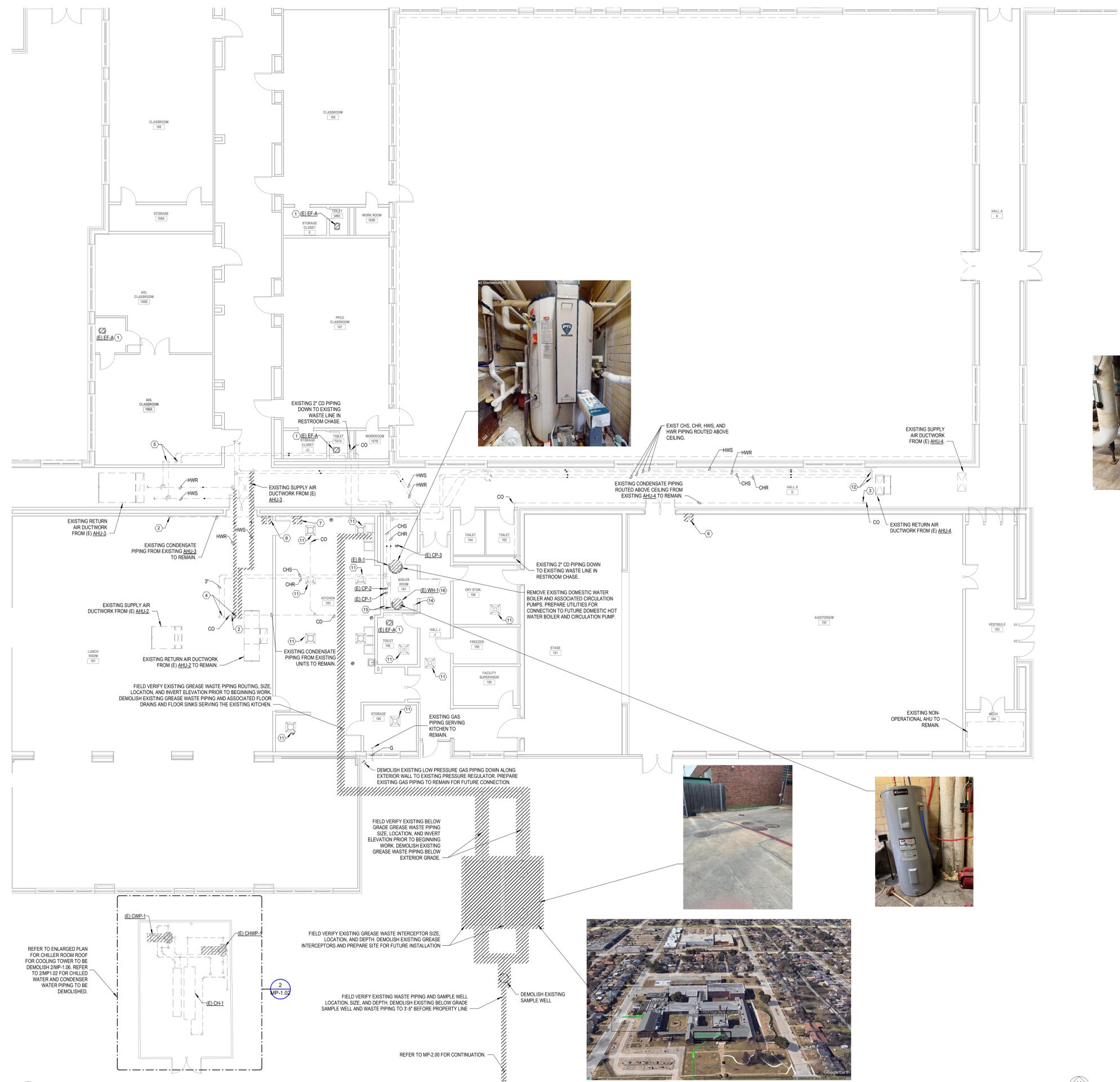
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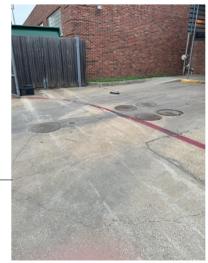
DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 RAVINIA DR., DALLAS, TX 75211

MECH/PLBG  
DEMOLITION FLOOR PLAN - LEVEL 1 - AREA B  
MP-1.02

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2 MECHANICAL DEMOLITION FLOOR PLAN-CHILLER ROOM  
1/4" = 1'-0"

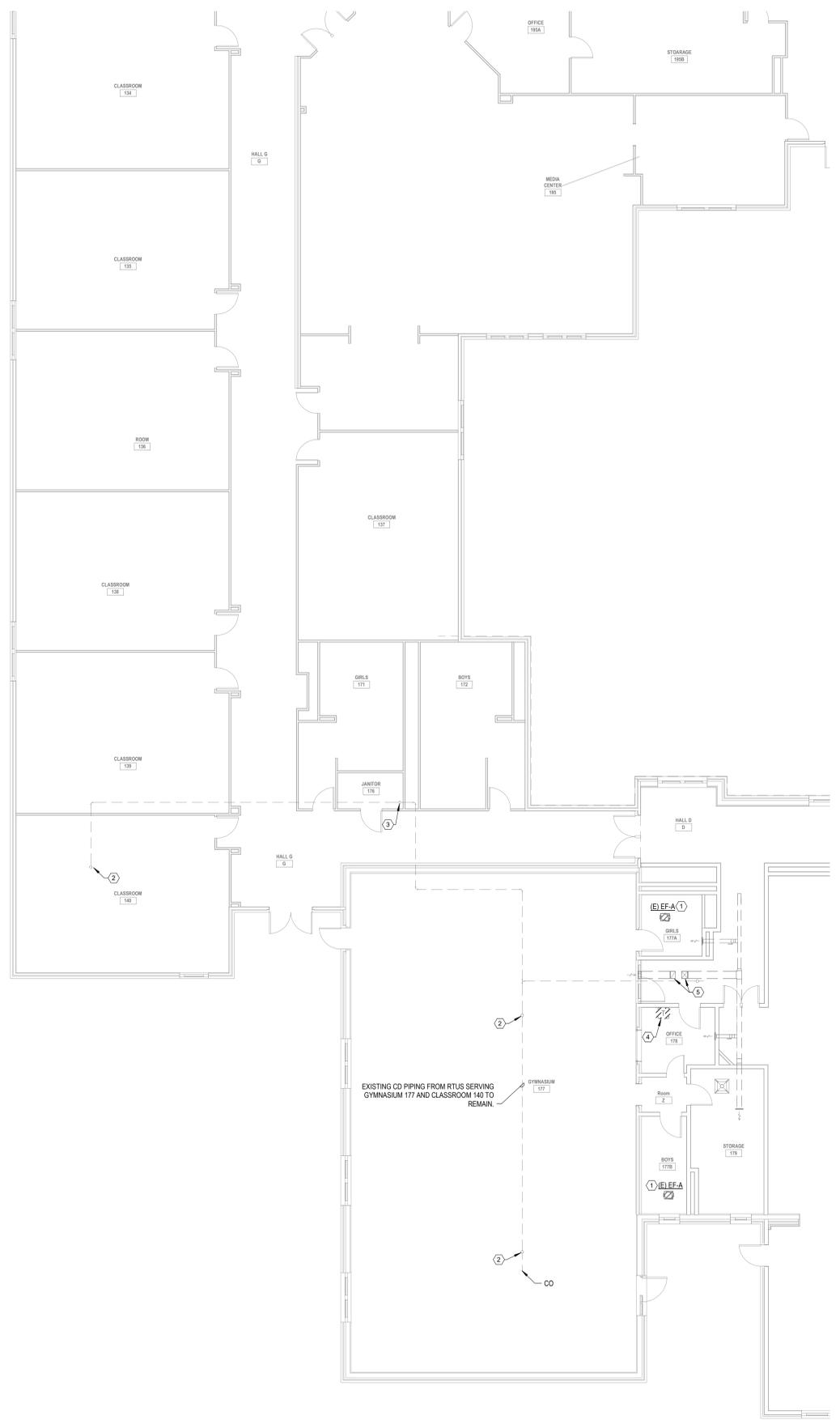


1 MECHANICAL DEMOLITION FLOOR PLAN - LEVEL 1 - AREA B  
1/8" = 1'-0"

Autodesk Docs (DSD) Leila Cowart ESRC4\_1227 Cover.dwg, BHB Consultant



Autodesk Docs: D:\SD Leila Cowart ESR24\_127\Cowart\_LBHB\_Cover.dwg



1 MECHANICAL DEMOLITION PLAN - LEVEL 1 - AREA C  
1/8" = 1'-0"

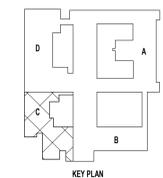


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2. CONTRACTOR SHALL HAVE TAB CONTRACTOR TEST CFM AT ALL EXISTING AIR DEVICES AND REPLACE NEW AHURTU UNITS TO EXISTING AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
3. ALL CHILLED WATER PIPING SHOWN ON PLAN IS ROUTED ABOVE CEILING OR ABOVE PLASTER CEILING AND IS ROUTED FROM A CRAWL SPACE OPENING IN THE FLOOR FROM THE EXISTING WATER COOLED CHILLER. ALL HEATING WATER PIPING IS ROUTED FROM BOILER ROOM 150A ABOVE CEILING. REFER TO NOTE BY SYMBOLS AND NOTES ON DRAWINGS FOR FURTHER CLARIFICATION.

**NOTES BY SYMBOL:** "○"

1. DEMOLISH EXISTING CEILING-MOUNTED EXHAUST FAN. PREPARE EXISTING DUCTWORK TO REMAIN FOR FUTURE CONNECTION.
2. EXISTING CO PIPING DOWN FROM ROOF TO REMAIN.
3. EXISTING CO PIPING DOWN TO MOP SINK.
4. DEMOLISH EXISTING TEMPERATURE SENSOR AND CONTROLS FROM (E) RTU-S. PRESERVE EXISTING LOCATION FOR NEW TEMPERATURE SENSOR FOR NEW RTU-S.
5. EXISTING DUCTWORK UP TO EXISTING RTU AND ALL ASSOCIATED DUCTWORK AND AIR DEVICES TO REMAIN.



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COMM. NO. 1287  
DATE 10/17/2024  
DRAWN RT  
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH

REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



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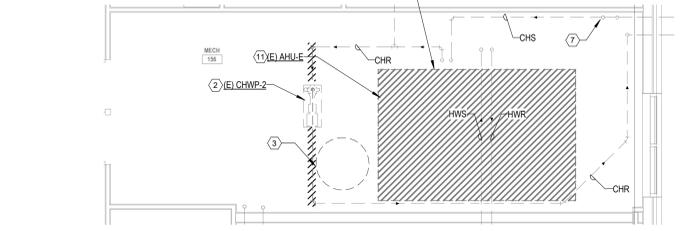
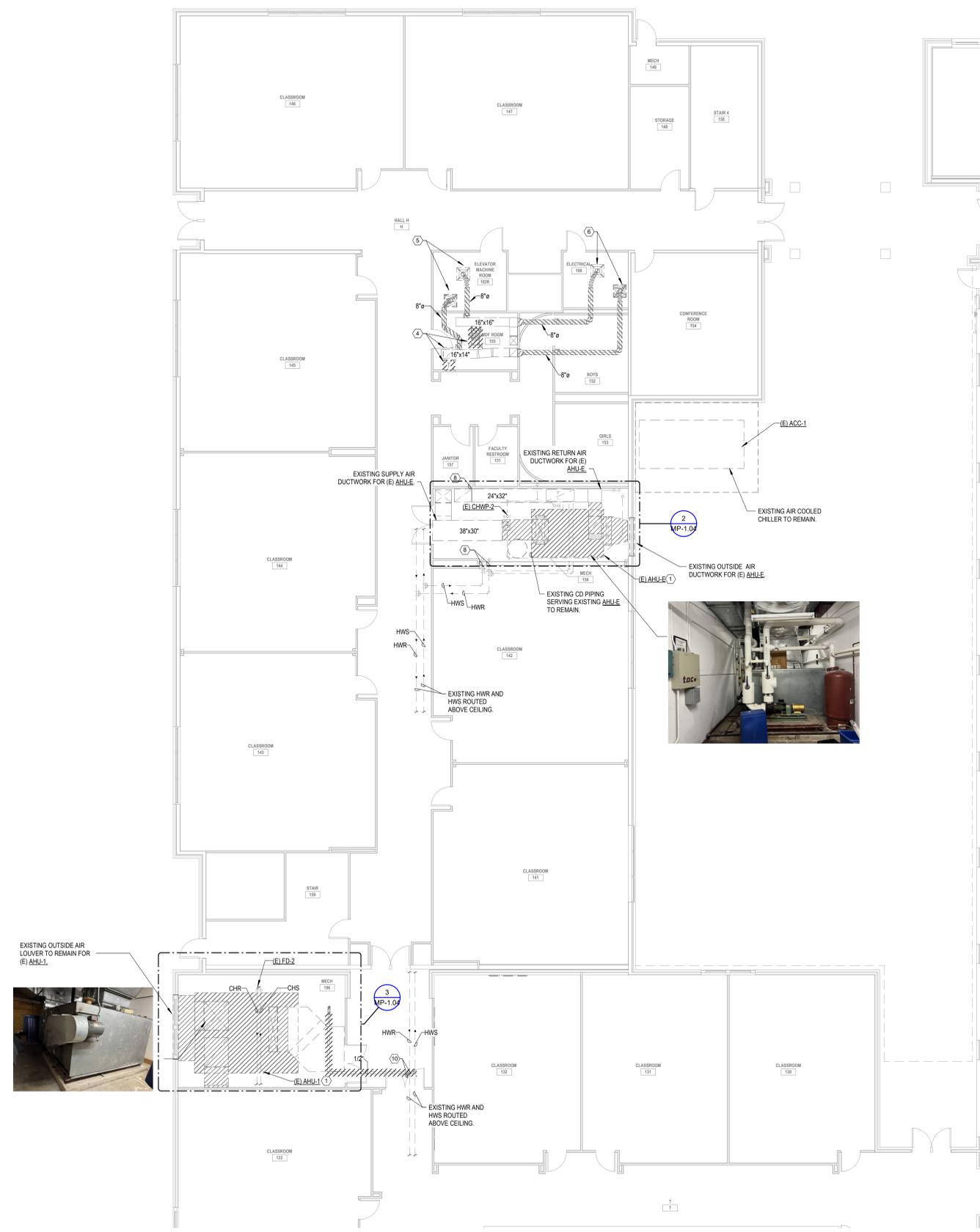
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RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 RAVINIA DR., DALLAS, TX 75211

MECH/PLBG  
DEMOLITION FLOOR  
PLAN - LEVEL 1 -  
AREA C  
MP-1.03

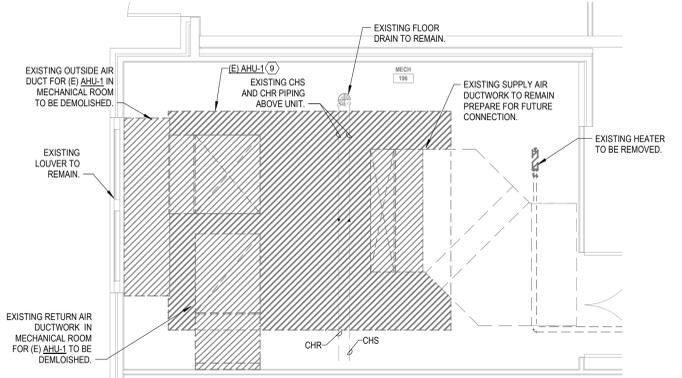
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**NOTES BY SYMBOL:**

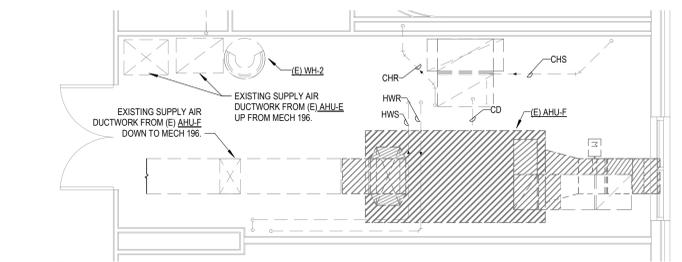
- 1 REMOVE AHU HVAC CONTROLS, POWER, CD PIPING AND PREPARE DUCTWORK TO REMAIN FOR FUTURE CONNECTION.
- 2 TEMPORARILY REMOVE CHILLED WATER PUMP AND REINSTALL AFTER NEW AHU-3 IS INSTALLED. RECONFIGURE EXISTING PIPING AS NECESSARY TO ACCOMMODATE THE INSTALLATION OF THE NEW AHU.
- 3 REMOVE EXISTING EXPANSION TANK AND PREPARE TANK FOR RELOCATION. CAP EXISTING PIPING TO REMAIN. PATCH AND REPAIR INSULATION TO MATCH SURROUNDING CONDITIONS.
- 4 DEMOLISH EXISTING SUPPLY AND RETURN AIR DEVICES AND ASSOCIATED DUCTWORK SERVING MDF ROOM. PATCH AND REPAIR EXISTING DUCTWORK TO REMAIN TO MATCH SURROUNDING CONDITIONS. REMOVE AND PRESERVE EXISTING TEMPERATURE SENSOR LOCATED ON EXISTING WALL. PREPARE EXISTING TEMPERATURE SENSOR FOR FUTURE INSTALLATION.
- 5 DEMOLISH EXISTING SUPPLY AND RETURN AIR DEVICES AND ASSOCIATED DUCTWORK SERVING ELEVATOR MACHINE ROOM BACK TO EXISTING MAIN DUCTWORK.
- 6 DEMOLISH EXISTING SUPPLY AND RETURN AIR DEVICES AND ASSOCIATED DUCTWORK SERVING ELECTRICAL ROOM BACK TO EXISTING MAIN DUCTWORK.
- 7 EXISTING CHS PIPING UP TO (E) AHJ-F.
- 8 EXISTING CONDENSATE PIPING DOWN FROM AHJ-F TO REMAIN.
- 9 PRESERVE EXISTING CHS AND CHR PIPING ABOVE AHU-1 AND PREPARE FOR FUTURE CONNECTION TO NEW AHU.
- 10 DEMOLISH EXISTING HWS AND HWR PIPING BACK TO TEE MAIN.
- 11 PRESERVE EXISTING CHS, CHR, HWS, AND HWR PIPING FOR (E) AHJ-E AND PREPARE FOR FUTURE CONNECTION TO NEW AHU.



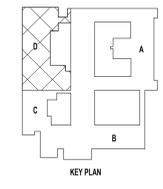
**2 ENLARGED DEMOLITION PLAN - MECH 156**  
 1/4" = 1'-0"



**3 ENLARGED DEMOLITION PLAN - MECH 196**  
 1/4" = 1'-0"



**4 ENLARGED DEMOLITION PLAN - LEVEL 2 - MECH 256**  
 1/4" = 1'-0"



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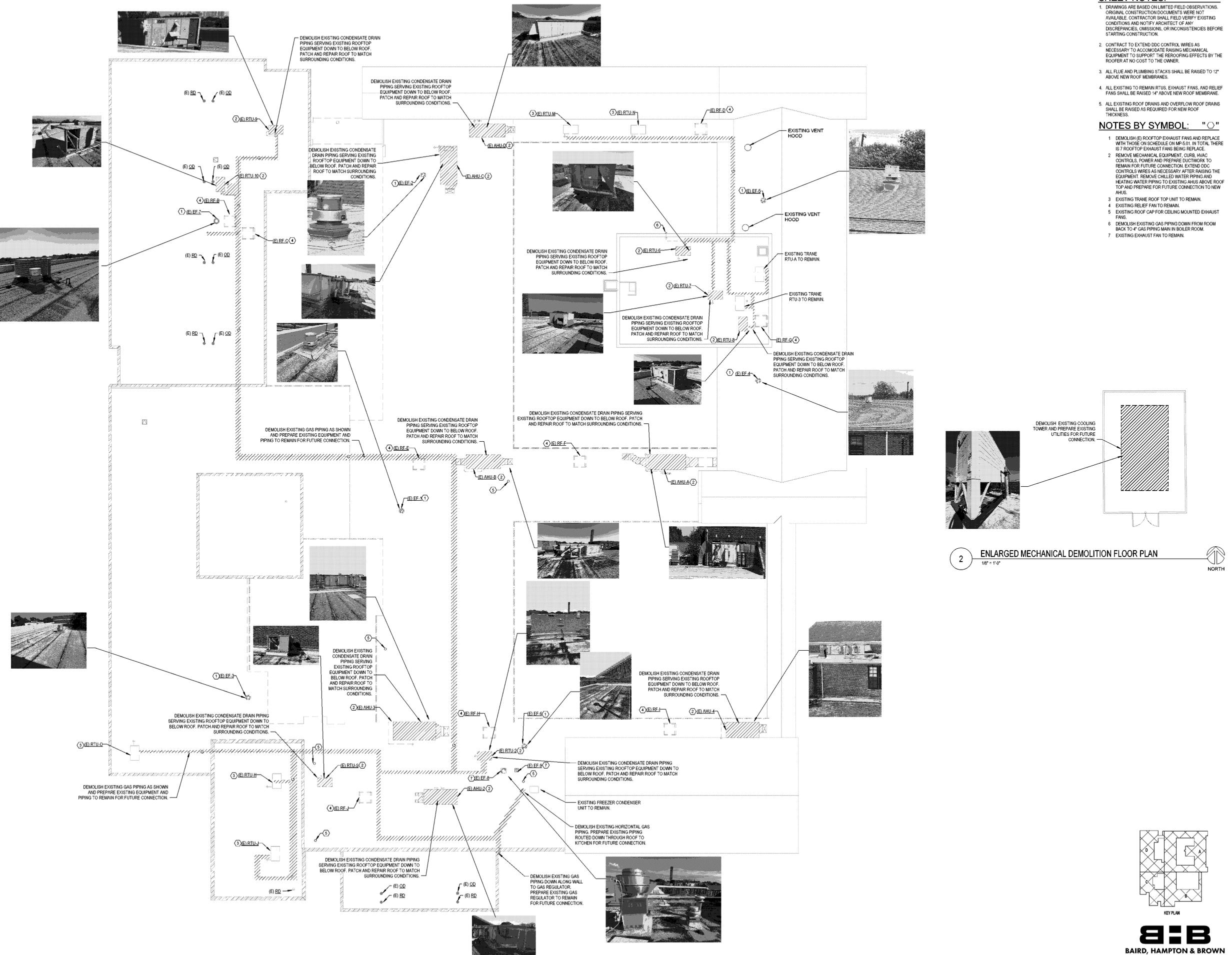
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- CONTRACT TO EXTEND DDC CONTROL WIRES AS NECESSARY TO ACCOMMODATE RAISING MECHANICAL EQUIPMENT TO SUPPORT THE REROOFING EFFECTS BY THE ROOFER AT NO COST TO THE OWNER.
- ALL FLUE AND PLUMBING STACKS SHALL BE RAISED TO 12" ABOVE NEW ROOF MEMBRANES.
- ALL EXISTING TO REMAIN RTUS, EXHAUST FANS, AND RELIEF FANS SHALL BE RAISED 14" ABOVE NEW ROOF MEMBRANE.
- ALL EXISTING ROOF DRAINS AND OVERFLOW ROOF DRAINS SHALL BE RAISED AS REQUIRED FOR NEW ROOF THICKNESS.

**NOTES BY SYMBOL:** "O"

- DEMOLISH (E) ROOFTOP EXHAUST FANS AND REPLACE WITH THOSE ON SCHEDULE ON MP-S01. IN TOTAL THERE IS 7 ROOFTOP EXHAUST FANS BEING REPLACE.
- REMOVE MECHANICAL EQUIPMENT, CURB, HVAC CONTROLS, POWER AND PREPARE DUCTWORK TO REMAIN FOR FUTURE CONNECTION. EXTEND DDC CONTROL WIRES AS NECESSARY AFTER RAISING THE EQUIPMENT. REMOVE CHILLED WATER PIPING AND HEATING WATER PIPING TO EXISTING AHUS ABOVE ROOF TOP AND PREPARE FOR FUTURE CONNECTION TO NEW AHUS.
- EXISTING TRANE ROOF TOP UNIT TO REMAIN.
- EXISTING RELIEF FAN TO REMAIN.
- EXISTING ROOF CAP FOR CEILING MOUNTED EXHAUST FANS.
- DEMOLISH EXISTING GAS PIPING DOWN FROM ROOM BACK TO 4" GAS PIPING MAIN IN BOILER ROOM.
- EXISTING EXHAUST FAN TO REMAIN.

2 ENLARGED MECHANICAL DEMOLITION FLOOR PLAN  
 1/8" = 1'-0"  
 NORTH



1 OVERALL MECHANICAL DEMOLITION ROOF PLAN  
 1/16" = 1'-0"



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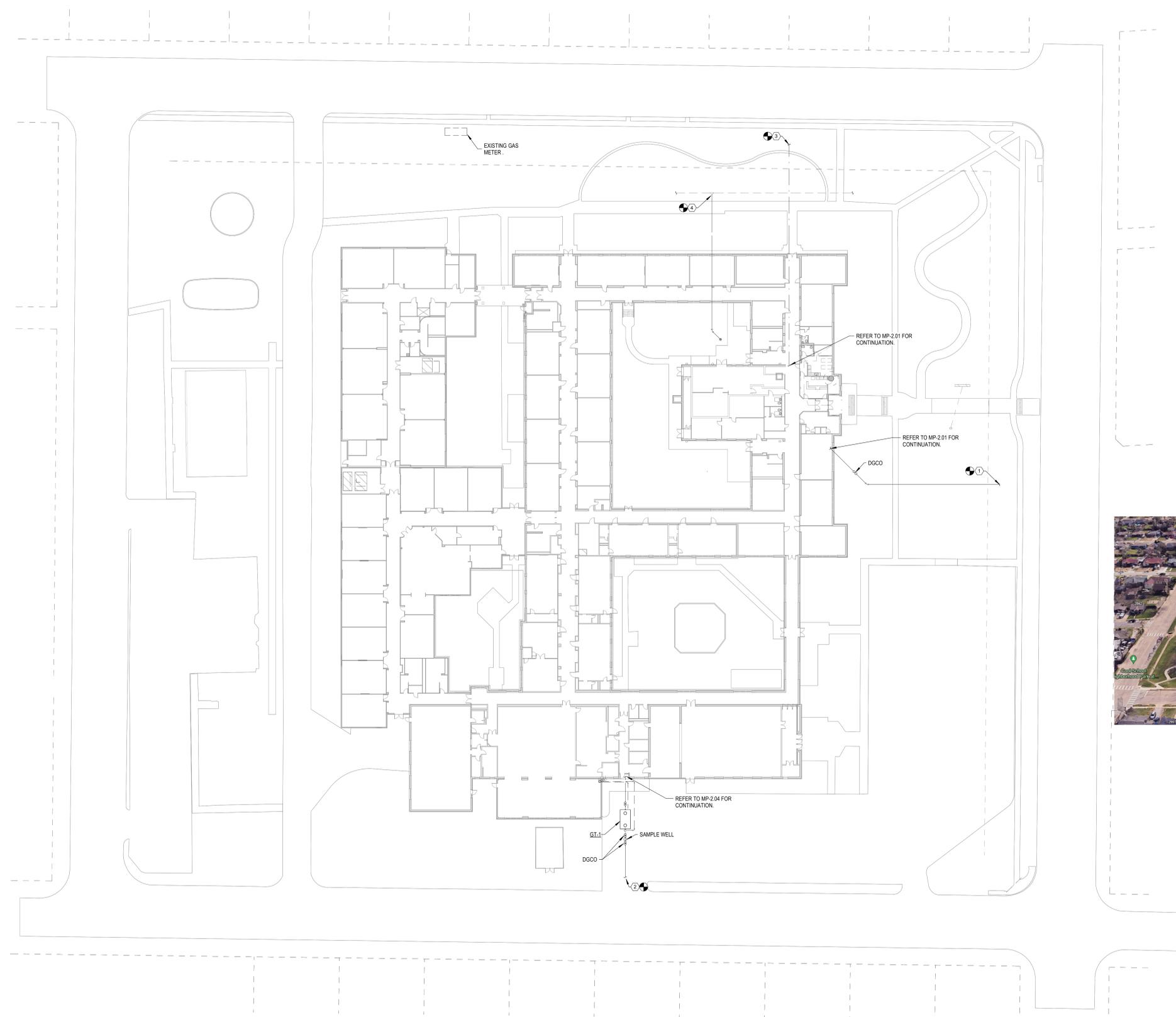


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3. BURIED UTILITIES IN THE AREA. CONTRACTOR SHALL CONTACT DIG TESS (811) AND COORDINATE WITH UTILITY COMPANIES TO LOCATE ALL LINES IN THE AREA PRIOR TO CONSTRUCTION.

**NOTES BY SYMBOL:** "○"

1. ROUTE NEW SANITARY WASTE PIPING FROM EXISTING BUILDING TO WITHIN 3'-5' OF THE EXISTING PROPERTY LINE. FIELD VERIFY EXISTING SANITARY WASTE PIPING SIZE AND SANITARY SEWER CONNECTION REQUIREMENTS PRIOR TO BEGINNING WORK. PROVIDE AND INSTALL DOUBLE GRADE CLEAN OUT AT POINT OF CONNECTION.
2. ROUTE NEW SANITARY WASTE PIPING FROM NEW GREASE INTERCEPTOR SERVING EXISTING BUILDING AND CONTINUE TO WITHIN 3'-5' OF THE EXISTING PROPERTY LINE. FIELD VERIFY EXISTING SANITARY WASTE PIPING SIZE AND SANITARY SEWER CONNECTION REQUIREMENTS PRIOR TO BEGINNING WORK. PROVIDE AND INSTALL DOUBLE GRADE CLEAN OUT AT POINT OF CONNECTION.
3. CONNECT NEW DOMESTIC WATER MAIN TO EXISTING WATER METER AND CONTINUE TO EXISTING BUILDING BACK TO DOUBLE CHECK VALVE. FIELD VERIFY EXISTING DOMESTIC WATER PIPING SIZE AND DOMESTIC WATER METER CONNECTION REQUIREMENTS PRIOR TO BEGINNING WORK.
4. CONNECT NEW STORM DRAIN TO EXISTING STORM DRAIN MAIN AS SHOWN. FIELD VERIFY EXISTING STORM DRAIN MAIN LOCATION, SIZE, AND INVERT ELEVATION PRIOR TO BEGINNING WORK. NEW STORM DRAIN PIPING SIZE AND LOCATION TO MATCH THE EXISTING PIPING.



1 MECHANICAL SITE PLAN  
 1" = 30'-0"



**SHEET NOTES:**

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- REPLACING CEILING MOUNTED EXHAUST FANS AS NOTED ON DRAWINGS.
- CONTRACTOR SHALL HAVE TAB CONTRACTOR TEST AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBALANCE NEW AHURTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
- ALL SUPPLY DUCTWORK AND RETURN DUCTWORK IN ADMIN AREA CAN BE ROUTED IN ATTIC SPACE IF NECESSARY. REFER TO MP-2.05 FOR DUCTWORK ROUTED IN ATTIC SPACE.

**NOTES BY SYMBOL:**

- ROUTE NEW 1/2" CW FROM EXISTING MAIN AND CONTINUE DOWN IN CHASE TO NEW LAVATORY. ROUTE NEW 3/4" HW DOWN IN WALL. ROUTE 3/4" HWR UP IN WALL FROM NEW 3/4" HW MAIN AND CONTINUE TO WATER HEATER AS SHOWN. ROUTE 1/2" HW DOWN FROM HW MAIN AND CONNECT TO NEW LAVATORY. HW MAIN CONNECTION SHALL BE NO MORE THAN 6" FROM LAVATORY CONNECTION. ROUTE 2" UP FROM NEW LAVATORY AND CONNECT TO EXISTING WATER PIPING. ROUTE 2" UP FROM NEW WASTE PIPING AND CONTINUE TO NEW VENT.
- INSTALL NEW CEILING MOUNTED EXHAUST FAN. CONNECT NEW CEILING-MOUNTED EXHAUST FAN TO EXISTING DUCTWORK.
- EXISTING MOP SINK.
- EXISTING NEW 4" DOMESTIC WATER MAIN UP FROM CRAWLSPACE AND CONTINUE TO CONNECT TO NEW DOUBLE CHECK VALVE.
- ROUTE NEW 3/4" CONDENSATE DRAIN FROM NEW OSS-2 UNIT TO EXISTING SINK P-TRAP.
- ROUTE NEW 3/4" CONDENSATE DRAIN FROM NEW OSS-1 UNIT TO EXISTING SINK P-TRAP.
- ROUTE FULL SIZE RETURN AIR DUCTWORK UP FROM AIR DEVICE. TRANSITION AS REQUIRED. AND CONTINUE AS SHOWN. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO FINAL CONNECTION.
- CONNECT NEW DUCTWORK UP TO EXISTING DUCTWORK.
- INSTALL NEW WALL-MOUNTED OSS UNIT ON EXISTING WALL. ROUTE NEW FULL SIZE CONDENSATE DRAIN FROM NEW OSS UNIT AND CONTINUE AS SHOWN.
- EXISTING CONDENSATE PIPING DOWN FROM LEVEL ABOVE.
- INSTALL AND INSTALL NEW WATER HEATER AND ASSOCIATED CIRCULATION PUMP AS SHOWN. FIELD VERIFY EXISTING DOMESTIC WATER PIPING LOCATIONS AND CONNECTION REQUIREMENTS PRIOR TO WORK. CONNECT NEW WATER HEATER AND ASSOCIATED CIRCULATION PUMP TO EXISTING DOMESTIC WATER PIPING. ROUTE NEW 3/4" HWR DOWN IN SPACE TO CIRCULATION PUMP.
- ROUTE NEW 1-1/2" DOMESTIC CW PIPING FROM EXISTING 2" CW MAIN AND CONTINUE DOWN IN CHASE TO NEW WATER CLOSET. ROUTE NEW 1/2" HW FROM WATER CLOSET TO EXISTING WASTE PIPING IN CHASE. ROUTE 2" UP FROM NEW WASTE PIPING AND CONTINUE TO EXISTING VENT MAIN.
- ROUTE NEW 1/2" CW AND 1/2" HW FROM EXISTING MAINS AS SHOWN AND CONTINUE DOWN IN WALL TO NEW SINK. ROUTE NEW 2" W DOWN IN WALL FROM NEW SINK TO BELOW EXISTING SLAB AND CONTINUE TO EXISTING WASTE PIPING. ROUTE 2" UP IN WALL FROM NEW WASTE PIPING AND CONTINUE ABOVE CEILING TO EXISTING VENT PIPING.
- ROUTE NEW WASTE PIPING DOWN IN CRAWLSPACE AND CONTINUE TO NEARBY WALL. ROUTE 2" UP IN WALL FROM BELOW SLAB AND CONTINUE TO EXISTING VENT MAIN. ROUTE WASTE PIPING FROM VENT CONNECTION TO EXISTING VENT MAIN.
- PROVIDE AND INSTALL NEW DOUBLE CHECK VALVE AS SHOWN AS PART OF AN AOD ALTERNATE. CONNECT NEW DOUBLE CHECK VALVE TO NEW DOMESTIC WATER PIPING AND CONTINUE AS SHOWN.
- ROUTE NEW 4" DOMESTIC WATER PIPING FROM NEW BACKFLOW PREVENTER TO EXISTING DOMESTIC WATER HEADER.
- PROVIDE AND INSTALL NEW CONDENSING UNIT SERVING OSS-01 ON EXISTING CONCRETE PAD.
- EXISTING 2" CHS AND CHR PIPING PIPING UP TO AHU.C. EXISTING 1-1/2" HWS AND PIPING UP TO AHU.A.
- EXISTING 2" CHS AND CHR PIPING PIPING UP TO AHU.B. EXISTING 1-1/2" HWS AND PIPING UP TO AHU.C.
- EXISTING 2" CHS AND CHR PIPING PIPING UP TO AHU.C. EXISTING 2" HWS AND PIPING UP TO AHU.C.
- NEW 2-1/2" CHS AND CHR PIPING UP TO AHU-D. EXISTING 1-1/2" HWS AND PIPING UP TO AHU-D.
- BALANCE (E) AIR DEVICES TO NEW AIRFLOWS.
- PROVIDE 120V HEAT TRACE CONTROLLER ABOVE CEILING FOR CHS, CHR, HWS, AND HWR PIPING FOR AHU.A.
- PROVIDE 120V HEAT TRACE CONTROLLER ABOVE CEILING FOR CHS, CHR, HWS, AND HWR PIPING FOR AHU.B.
- PROVIDE 120V HEAT TRACE CONTROLLER ABOVE CEILING FOR CHS, CHR, HWS, AND HWR PIPING FOR AHU.C AND AHU.D.
- TEMPERATURE SENSOR TO MODULATE CONTROL DAMPER TO MAINTAIN 60 DEGREES F IN HEATING MODE WHEN OUTSIDE AIR TEMPERATURE IS BELOW 45 DEGREES F. WHEN OUTSIDE AIR TEMPERATURE IS ABOVE 45 DEGREES F AND RTU IS IN HEATING MODE, MOTORIZED DAMPER WILL CLOSE. TEMPERATURE SENSORS TO MAINTAIN 80 DEGREES F WHEN RTU IS IN COOLING MODE.
- NEW 3" CHS PIPING AND CHR PIPING EXTENDED UP FROM EXISTING 6" CHS AND CHR PIPING IN CRAWLSPACE.
- EXTEND 2-1/2" CHS AND CHR PIPING INTO CRAWLSPACE AND CONNECT TO EXISTING 6" CHS AND CHR PIPING.
- PROVIDE DOMESTIC WATER FLOW METER OF DIAMETER 1/2" WITH BYPASS VALVE FOR SERVICING.
- PROVIDE AND INSTALL NEW NATURAL GAS FLOW METER ON EXISTING NATURAL GAS PIPING AS SHOWN. METER SHALL BE ONICON F-5100 SERIES THERMAL MASS FLOW METER, OR PRE-APPROVED EQUAL. THE FLOW METER SHALL CONNECT TO THE EMCS AND HAVE A D-100 FLOW DISPLAY.
- FIELD VERIFY EXISTING SANITARY WASTE PIPING LOCATION, SIZE, AND INVERT ELEVATION. CONNECT NEW 4" SANITARY WASTE PIPING TO EXISTING SANITARY WASTE MAIN BELOW BUILDING SLAB AND CONTINUE BELOW EXTERIOR GRADE AS SHOWN.
- CONNECT NEW 3" SANITARY WASTE PIPING TO EXISTING 4" SANITARY WASTE MAIN BELOW SLAB AS SHOWN.
- ROUTE NEW 2" ABOVE CEILING TO EXISTING VENT PIPING. FIELD VERIFY EXISTING VENT PIPING LOCATION, ELEVATION AND SIZE.
- DRAWINGS ARE BASED ON THIRD PARTY INFORMATION. CONTRACTOR TO FIELD VERIFY THE EXISTING CONDITIONS OF THE EXISTING STORM DRAINAGE SYSTEM PRIOR TO WORK. ROUTE NEW STORM DRAIN PIPING, SIZED AND LOCATED TO MATCH EXISTING CONDITIONS, AS SHOWN.
- DRAWINGS ARE BASED ON THIRD PARTY INFORMATION. CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION OF THE EXISTING AREA DRAIN AND DISCHARGE NEW SURFACE DRAINAGE INTO NEW AREA DRAIN. ROUTE NEW STORM DRAIN PIPING, SIZED TO MATCH EXISTING, FROM AREA DRAIN AS SHOWN. CONTRACTOR SHALL ENSURE AREA DRAIN IS INSTALLED FLUSH WITH EXISTING COURTYARD GRADE.
- DRAWINGS ARE BASED ON THIRD PARTY INFORMATION. ROUTE NEW STORM DRAIN PIPING, SIZED TO MATCH EXISTING, AS SHOWN. FIELD VERIFY EXISTING STORM DRAIN ROUTING PRIOR TO WORK.
- DRAWINGS ARE BASED ON THIRD PARTY INFORMATION. ROUTE NEW STORM DRAIN PIPING, SIZED TO MATCH EXISTING, TO EXISTING STORM DRAIN MAIN AS SHOWN. REFER TO MP-2.00 FOR CONTINUATION.

COMM. NO. 1287  
DATE 10/17/2024  
DRAWN RT  
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH REVISIONS:

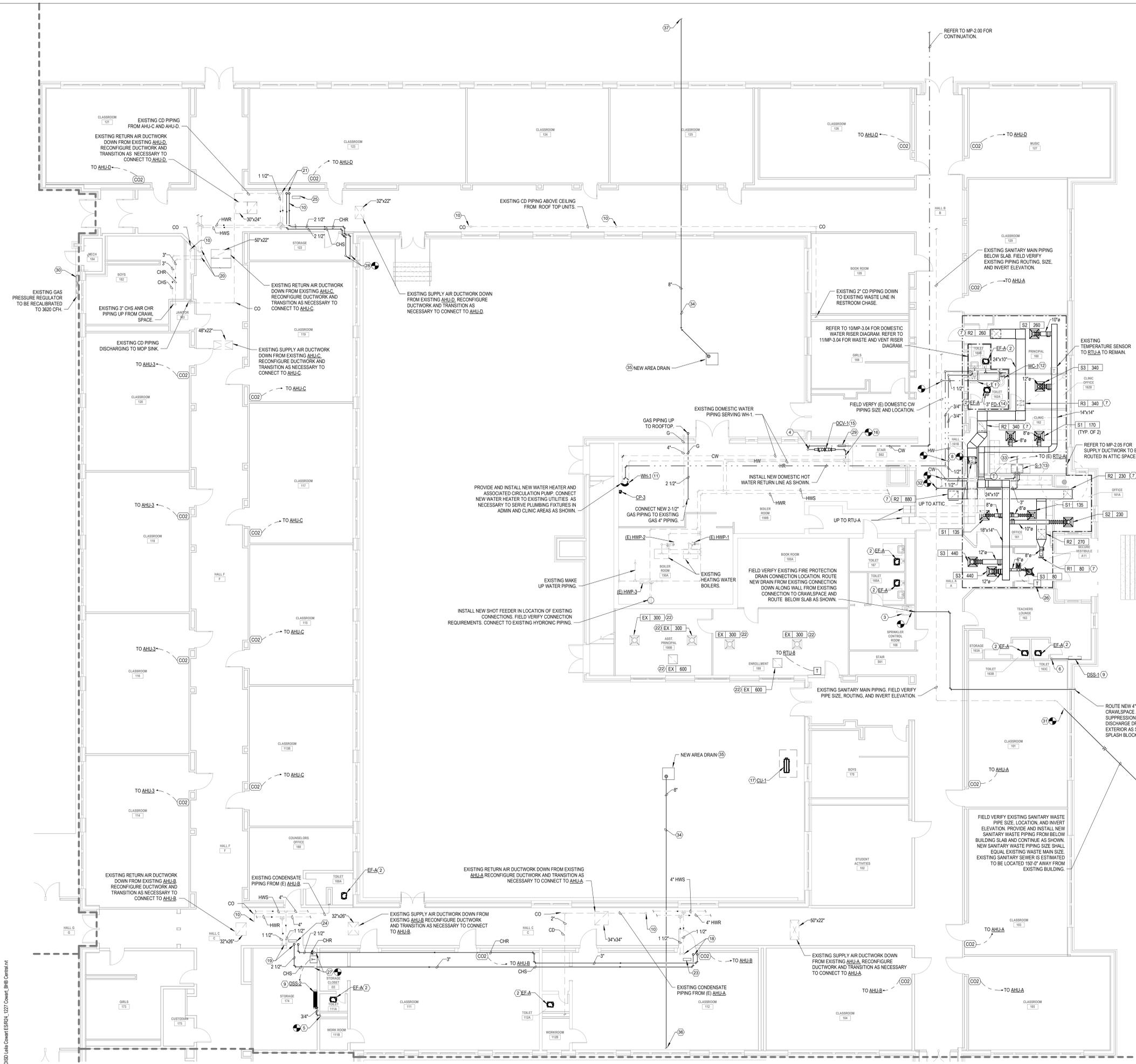
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MECH/PLB/FLOOR PLAN - LEVEL 1 - AREA A  
MP-2.01



MECHANICAL FLOOR PLAN - LEVEL 1 - AREA A  
18" = 1'-0"

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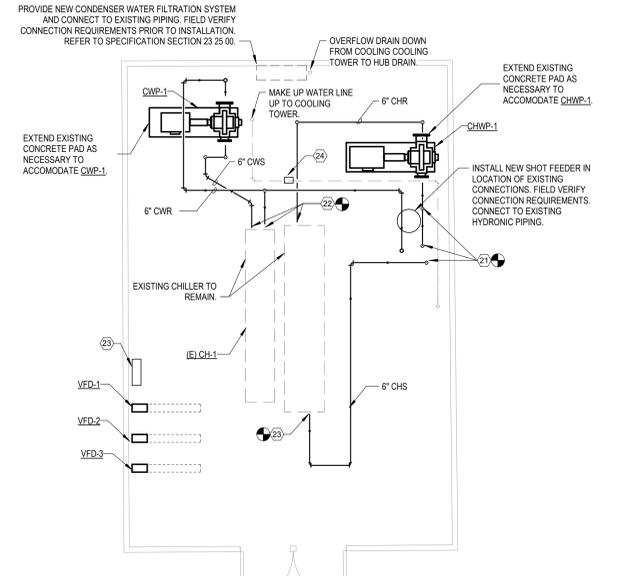


**SHEET NOTES:**

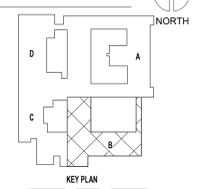
- DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE NOT AVAILABLE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
- CONTRACTOR SHALL HAVE TAB CONTRACTOR TEST AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBALANCE NEW AHU/RTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
- BOILER INSPECTION IS TO BE COORDINATED BY THE CONTRACTOR.
- CONTRACTOR SHALL VISUALLY INSPECT ALL FLOOR DRAINS WITHIN THE KITCHEN. ALL VISIBLY DAMAGED FLOOR DRAINS SHALL BE REPLACED.

**NOTES BY SYMBOL:** "O"

- ROUTE 2" V UP WALL AND CONNECT TO EXISTING VENTING.
- ROUTE 4" V UP TO ABOVE SLAB.
- ROUTE 4" V UP AND CONTINUE AS SHOWN BELOW GRADE.
- ROUTE 4" V FROM GT-1 AND CONTINUE AS SHOWN BELOW GRADE.
- ROUTE (1) 1/2" TRAP PRIMER PIPE DOWN FROM TRAP PRIMER ASSEMBLY AND CONTINUE AS SHOWN BELOW SLAB.
- ROUTE (2) 1/2" TRAP PRIMER PIPES DOWN FROM TRAP PRIMER ASSEMBLY AND CONTINUE AS SHOWN BELOW SLAB.
- ROUTE 4" GW UP TO 4" FGD.
- ROUTE 1/2" TRAP PRIMER PIPING TO FLOOR SINK TAILPIECE. TAPPING SHALL BE A MINIMUM OF 1" ABOVE THE TRAP WATER LEVEL.
- ROUTE 1/2" TRAP PRIMER PIPING TO FLOOR DRAIN TAILPIECE. TAPPING SHALL BE A MINIMUM OF 1" ABOVE THE TRAP WATER LEVEL.
- PROVIDE AND INSTALL NEW DOMESTIC WATER GAS BOILER AND ASSOCIATED DOMESTIC WATER CIRCULATION PUMPS. ROUTE NEW 3" GAS PIPING FROM NEW 4" GAS PIPING AND CONNECT TO NEW BOILER. ROUTE NEW DOMESTIC WATER PIPING FROM EXISTING DOMESTIC WATER MAINS AND CONNECT TO NEW BOILER AND CIRCULATION PUMP. FIELD VERIFY EXISTING DOMESTIC WATER PIPING LOCATION, SIZE, AND ELEVATION.
- ROUTE NEW 4" GAS MAIN DOWN FROM ROOF ABOVE. ROUTE 3" GAS PIPING (700 CFH) TO NEW BOILER. ROUTE 3" GAS PIPING TO EXISTING KITCHEN GAS PIPING. FIELD VERIFY EXISTING GAS PIPING LOCATION, SIZE, ELEVATION, AND CONNECTION REQUIREMENTS PRIOR TO WORK.
- ROUTE NEW 4" GAS PIPING UP FROM NEW GAS PRESSURE REGULATOR ALONG EXTERIOR WALL TO ROOF ABOVE. REFER TO IMP-1.3 FOR CONTINUATION.
- EXISTING CHS AND CHR PIPING UP FROM CRAWL SPACE.
- EXISTING 2" CHS AND CHR PIPING UP TO AHU-2. NEW 3" HWS AND HWR PIPING UP TO AHU-2.
- EXISTING 2" CHS AND CHR PIPING UP TO AHU-3. EXISTING 2" HWS AND PIPING UP TO AHU-3.
- EXISTING 2" CHS AND CHR PIPING UP TO AHU-4. EXISTING 2" HWS AND PIPING UP TO AHU-4.
- INSTALL NEW CEILING MOUNTED EXHAUST FAN. CONNECT NEW CEILING MOUNTED EXHAUST FAN TO EXISTING DUCTWORK.
- PROVIDE 120V HEAT TRACE CONTROLLER ABOVE CEILING FOR CHS, CHR, HWS, AND HWR PIPING FOR AHU-2.
- PROVIDE 120V HEAT TRACE CONTROLLER ABOVE CEILING FOR CHS, CHR, HWS, AND HWR PIPING FOR AHU-3.
- PROVIDE 120V HEAT TRACE CONTROLLER ABOVE CEILING FOR CHS, CHR, HWS, AND HWR PIPING FOR AHU-4.
- CONNECT TO EXISTING 6" CHSR PIPING AT 12" A.F.F.
- CONNECT NEW CWS, CWR, AND CHR PIPING TO EXISTING CH-1. REFER TO 3MP-3.03 FOR PIPING AND VALVE DETAIL.
- CONNECT NEW CHS PIPING TO EXISTING CHILLER. REFER TO 3MP-3.03 FOR PIPING VALVE DETAIL.
- PROVIDE 277V HEAT TRACE CONTROLLER FOR CWS AND CHR PIPING OUTSIDE OF COOLING TOWER.
- INSTALL NEW SUBMETER ON COOLING TOWER MAKE UP WATER LINE REFER TO COOLING TOWER SCHEDULE FOR MORE DETAILS.
- ROUTE 1/2" TRAP PRIMER PIPING TO FLOOR DRAIN TAILPIECE. TAPPING SHALL BE A MINIMUM OF 1" ABOVE THE TRAP WATER LEVEL.
- CD PIPING DOWN FROM ROOF.
- CONNECT NEW RTU-1 TO EXISTING SUPPLY AND RETURN DUCTWORK.
- INSTALL NEW 3" HWR PIPING FROM EXISTING TEE AND FOLLOW ROUTING AS SHOWN.
- INSTALL NEW 3" HWR PIPING FROM EXISTING TEE AND FOLLOW ROUTING AS SHOWN.
- BUILDING NATURAL GAS WILL BE SUB-METERED USING AN ONICON F-5100 SERIES THERMAL MASS FLOW METER. METER FLOW RATE SHALL CONNECT TO THE GACS AND HAVE A 0-100 FLOW DISPLAY. PROVIDE A SEPARATE FLOW METER FOR THE GAS LINE SERVING THE KITCHEN AND GAS LINE UP TO THE ROOF.
- PROVIDE AND INSTALL GREASE INTERCEPTOR SERVICE ALERT PANEL.
- ROUTE (2) 1/2" TRAP PRIMER LINES DOWN FROM TRAP PRIMER ASSEMBLY AND CONTINUE AS SHOWN BELOW SLAB.



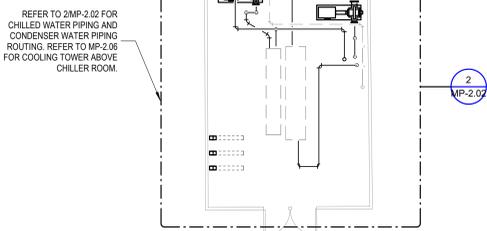
2 MECH/PLBG FLOOR PLAN - CHILLER ROOM  
 1/4" = 1'-0"



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1 MECH/PLBG FLOOR PLAN - LEVEL 1 - AREA B  
 1/8" = 1'-0"



REFER TO 2MP-2.02 FOR CHILLED WATER PIPING AND CONDENSER WATER PIPING ROUTING. REFER TO MP-2.06 FOR COOLING TOWER ABOVE CHILLER ROOM.



**SHEET NOTES:**

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- CONTRACTOR SHALL HAVE TAB CONTRACTOR TEST AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBALANCE NEW AHURTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.

**NOTES BY SYMBOL:** "○"

- INSTALL NEW CEILING MOUNTED EXHAUST FAN. CONNECT NEW CEILING-MOUNTED EXHAUST FAN TO EXISTING DUCTWORK.
- CD PIPING DOWN FROM EXISTING RTU.
- CD PIPING DOWN TO EXISTING MOP SINK.
- INSTALL NEW DUCTWORK BRANCH AND AIR DEVICE AND CONNECT TO EXISTING SUPPLY MAIN DUCTWORK.
- REBALANCE (E) AIR DEVICE TO NEW CFM.

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION

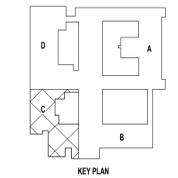


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MECH/PLBG FLOOR PLAN - LEVEL 1 - AREA C  
 MP-2.03



1 MECHANICAL FLOOR PLAN - LEVEL 1 - AREA C  
 1/8" = 1'-0"



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2. CONTRACTOR SHALL HAVE TAB CONTRACTOR TEST AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBALANCE NEW AHU/RTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.

**NOTES BY SYMBOL:** "O"

- 1 DISCHARGE CONDENSATE LINE TO FLOOR DRAIN.
- 2 EXTEND SANITARY PIPING FROM NEW FLOOR DRAIN TO EXIST SANITARY LINE.
- 3 PROVIDE AND INSTALL NEW AHU-F ON EXISTING EQUIPMENT PAD AND EXTEND AS NECESSARY. CONNECT NEW AHU TO EXISTING DUCTWORK AND INSTALL NEW MOTORIZED DAMPER ON OUTSIDE AIR DUCTWORK. CHILLED WATER PIPING AND HOT WATER HEATING PIPING. ROUTE NEW CD PIPING FROM NEW AHU TO NEARBY EXISTING FLOOR DRAIN AND DISCHARGE (INDIRECTLY) INTO FLOOR DRAIN.
- 4 PROVIDE AND INSTALL NEW AHU-1 ON EXISTING EQUIPMENT PAD AND EXTEND AS NECESSARY. CONNECT NEW AHU TO EXISTING DUCTWORK, CHILLED WATER PIPING AND HOT WATER HEATING PIPING. ROUTE NEW CD PIPING FROM NEW AHU TO NEARBY EXISTING FLOOR DRAIN AND DISCHARGE (INDIRECTLY) INTO FLOOR DRAIN.
- 4 PROVIDE AND INSTALL NEW AHU-1 ON EXISTING EQUIPMENT PAD AND EXTEND AS NECESSARY. CONNECT NEW AHU TO EXISTING DUCTWORK, CHILLED WATER PIPING AND HOT WATER HEATING PIPING. ROUTE NEW CD PIPING FROM NEW AHU TO NEARBY EXISTING FLOOR DRAIN AND DISCHARGE (INDIRECTLY) INTO FLOOR DRAIN.
- 5 PROVIDE NEW DUCTLESS SPLIT SYSTEM (DSS-3 & CU-3) TO CONDITION STORAGE 174 (ADP ROOM) WHICH CONTAINS IDF EQUIPMENT.
- 6 INSTALL EXISTING EQUIPMENT IN NEW LOCATION TO ACCOMMODATE NEW AHU INSTALLATION. ROUTE NEW CHILLED WATER PIPING FROM EXISTING CHILLED WATER PIPING AND CONNECT TO RELOCATED EQUIPMENT.
- 7 INSTALL EXISTING CHILLED WATER PUMP IN NEW LOCATION IN MECHANICAL ROOM AS SHOWN. FIELD VERIFY EXISTING CHILLED WATER PUMP CONNECTION REQUIREMENTS. ROUTE NEW 4" CHILLED WATER PIPING FROM EXISTING PIPING TO RELOCATED CHILLED WATER PUMP.
- 8 INSTALL EXISTING EXPANSION TANK IN NEW LOCATION IN MECHANICAL ROOM AS SHOWN. FIELD VERIFY EXISTING CHILLED WATER PUMP SIZE AND LOCATION. FIELD VERIFY EXPANSION TANK CONNECTION REQUIREMENTS. ROUTE NEW 4" CHILLED WATER PIPING FROM EXISTING PIPING TO RELOCATED EXPANSION TANK.
- 9 INSTALL EXISTING TEMPERATURE SENSOR ON EXISTING WALL. CONNECT TEMPERATURE SENSOR TO RTU-10.
- 10 PROVIDE AND INSTALL NEW CEILING-MOUNTED EXHAUST FAN AND CONNECT TO EXISTING DUCTWORK.
- 11 PROVIDE AND INSTALL NEW CONDENSING UNIT SERVING DSS-3 ON NEW CONCRETE PAD.
- 12 PROVIDE 6" PLENUM BOX AND CONNECT TO EXISTING LOUVER.
- 13 EXISTING CHS AND CHR PIPING DOWN FROM CRAWL SPACE FROM (E) ACC-1.
- 14 VERIFY EXISTING ROUTING AND FLOOR DRAIN LOCATION BEFORE ROUTING NEW 1" CD PIPING TO FOLLOW EXISTING CD PIPING ROUTING.
- 15 EXISTING SUPPLY AIR DUCTWORK FROM AHU-E.
- 16 EXISTING RETURN AIR DUCTWORK FROM AHU-E.
- 17 EXISTING WATER HEATER TO REMAIN.
- 18 PROVIDE AND INSTALL NEW AHU-F ON EXISTING EQUIPMENT PAD AND EXTEND AS NECESSARY. CONNECT NEW AHU TO EXISTING DUCTWORK AND HYDRONIC PIPING. ROUTE NEW CD PIPING FROM NEW AHU TO EXISTING NEARBY FLOOR DRAIN AND DISCHARGE (INDIRECTLY) INTO FLOOR DRAIN.
- 19 FROM AHU-F ROUTE NEW 2" CHS AND CHR PIPING AND CONNECT TO EXISTING 4" CHS AND CHR PIPING. VERIFY EXISTING CD PIPING ROUTING AND CONNECT 1" CD PIPING AND CONNECT TO EXISTING CD PIPING ROUTED DOWN TO MOP SINK.
- 20 FROM AHU-F ROUTE NEW 2" HWS AND HWR PIPING AND CONNECT TO EXISTING 2" HWS AND HWR PIPING.
- 21 ROUTE 2" HWS AND HWR PIPING TO AHU-F AND CONNECT TO EXISTING HEATING WATER PIPING MAIN.
- 22 ROUTE NEW 1-1/4" GAS PIPING DOWN FROM ABOVE ROOF AND CONNECT TO EXISTING EQUIPMENT GAS CONNECTIONS. FIELD VERIFY EXISTING GAS CONNECTION LOCATION AND REQUIREMENTS.

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PROJECT STATUS: FOR CONSTRUCTION



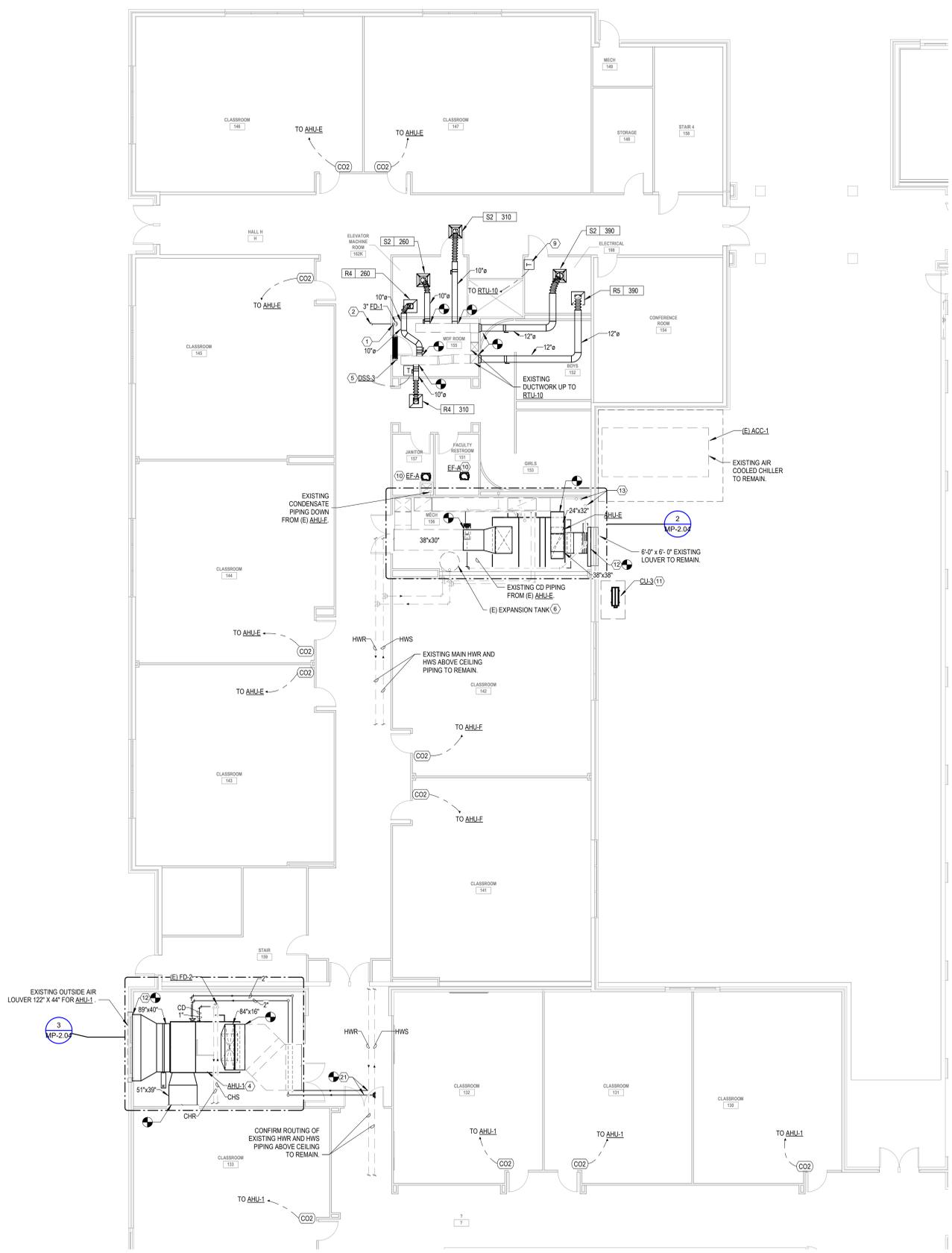
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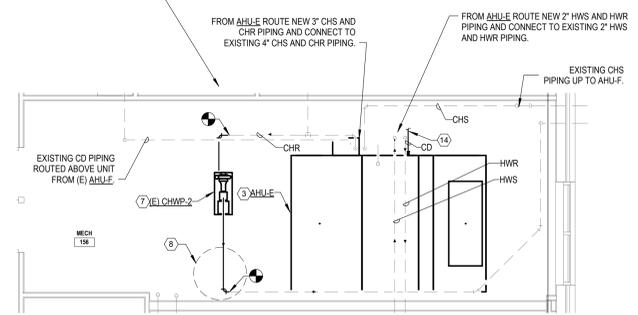
MECH/PLB/FLOOR PLAN - LEVEL 1 - AREA D  
MP-2.04

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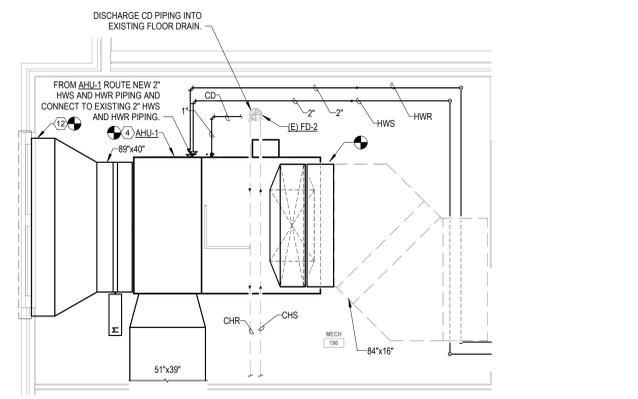
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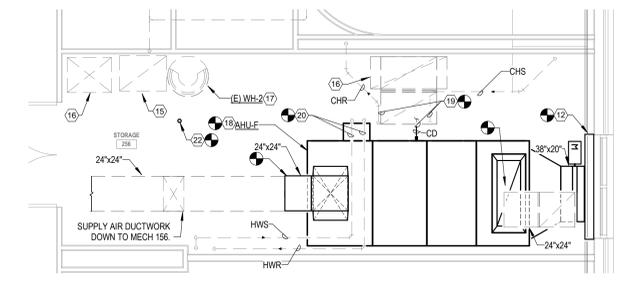
1 MECHANICAL FLOOR PLAN - LEVEL 1 - AREA D  
1/8" = 1'-0"



2 ENLARGED HYDRONICS AND CONTROLS FLOOR PLAN - MECH 156  
1/4" = 1'-0"

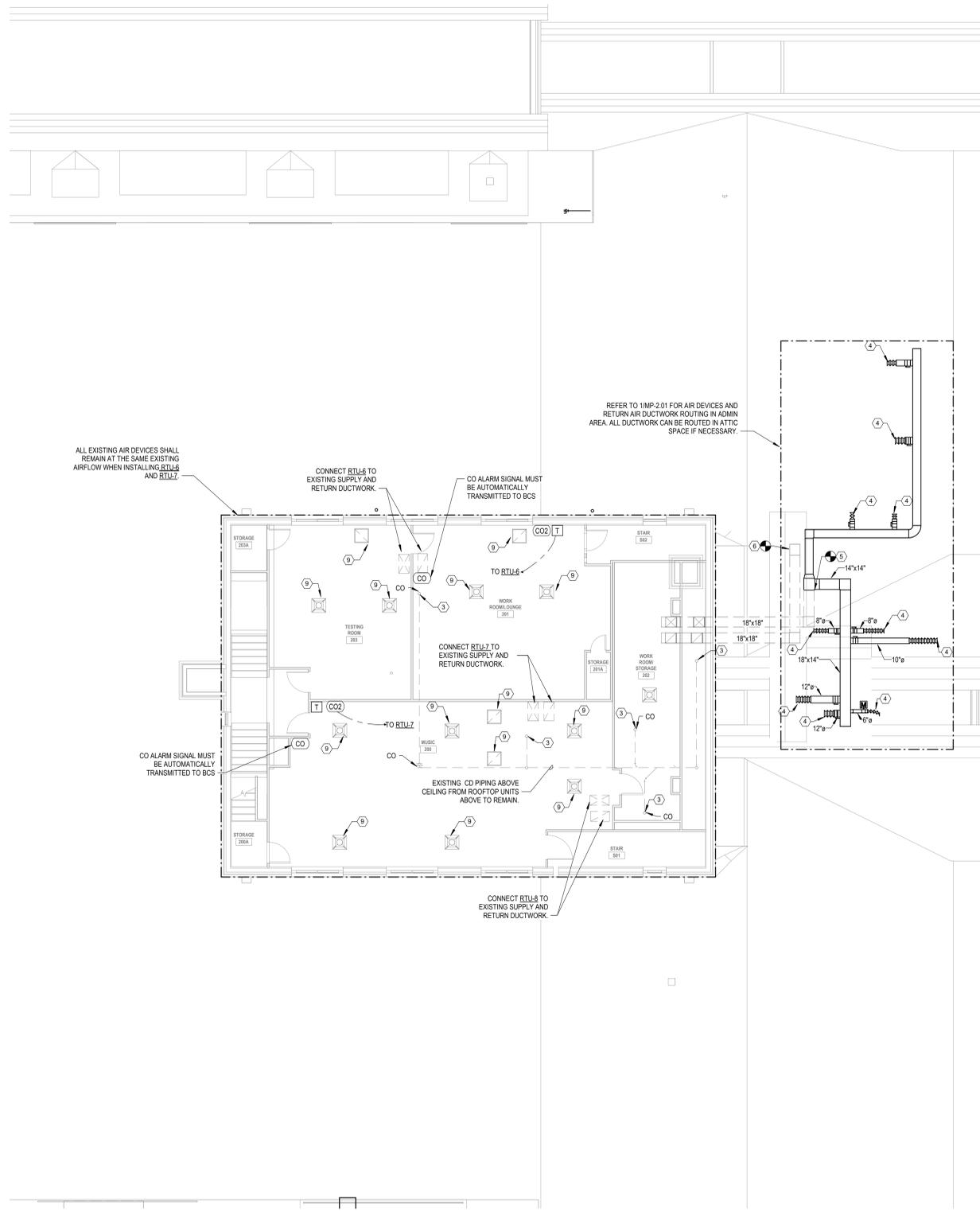


3 ENLARGED MECHANICAL FLOOR PLAN - MECH 196  
1/4" = 1'-0"

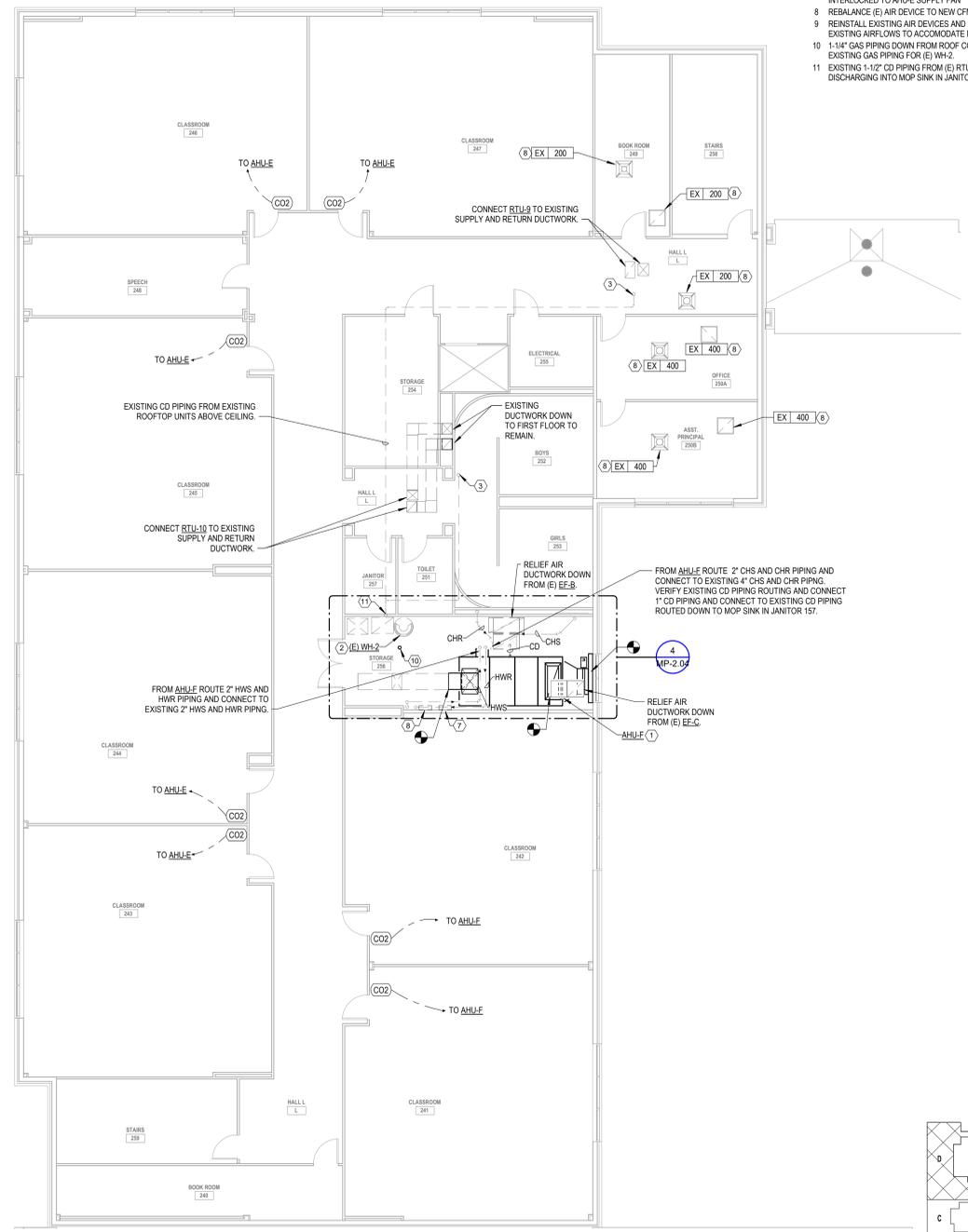


4 ENLARGED MECHANICAL FLOOR PLAN - LEVEL 2 - MECH 256  
1/4" = 1'-0"

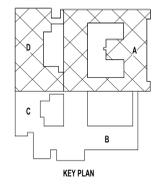
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1 MECHANICAL FLOOR PLAN - LEVEL 2 - AREA A  
1/8" = 1'-0"



2 MECHANICAL FLOOR PLAN - LEVEL 2 - AREA D  
1/8" = 1'-0"



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- CONTRACT TO EXTEND DDC CONTROL WIRES IF NEEDED AFTER RAISING MECHANICAL EQUIPMENT AS REQUIRED BY THE ROOFER AT NO COST TO THE OWNER.
- CONTRACTOR SHALL HAVE TAB CONTRACTOR TEST AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBALANCE NEW AHU/RTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.

**NOTES BY SYMBOL:** "○"

- PROVIDE AND INSTALL NEW AHU-F AND ASSOCIATED HYDRONIC PIPING. CONNECT NEW AHU TO EXISTING DUCTWORK. CHILLED WATER PIPING, AND HEATING WATER PIPING. CONNECT NEW AHU TO EXISTING CD PIPING. FIELD VERIFY FINAL CONNECTION REQUIREMENTS.
- ROUTE NEW 1-1/4" GAS PIPING DOWN FROM ROOF ABOVE AND CONTINUE TO EXISTING WATER HEATER. FIELD VERIFY EXISTING WATER HEATER LOCATION AND CONNECTION REQUIREMENTS.
- CD PIPING DOWN FROM ROOF.
- FLEX DOWN GOING DOWN FROM ATTIC SPACE TO DIFFUSER.
- CONNECT TO EXISTING SUPPLY DUCTWORK FROM RTU-A.
- CONNECT TO EXISTING RETURN DUCTWORK FROM RTU-A.
- INSTALL NEW CONTROL PANEL FOR RF-C THAT IS INTERLOCKED TO AHU-F SUPPLY FAN.
- INSTALL NEW CONTROL PANEL FOR RF-B THAT IS INTERLOCKED TO AHU-E SUPPLY FAN.
- REBALANCE (E) AIR DEVICE TO NEW CFM.
- REINSTALL EXISTING AIR DEVICES AND REBALANCE TO EXISTING AIRFLOWS TO ACCOMMODATE NEW CEILING.
- 1-1/4" GAS PIPING DOWN FROM ROOF CONNECT TO EXISTING GAS PIPING FOR (E) WH-2.
- EXISTING 1-1/2" CD PIPING FROM (E) RTU-9 AND (E) RTU-10 DISCHARGING INTO MOP SINK IN JANITOR 257.

COMM. NO. 1287  
DATE 10/17/2024  
DRAWN RT  
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH  
REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



1105 W. SANDOZ HILL ROAD  
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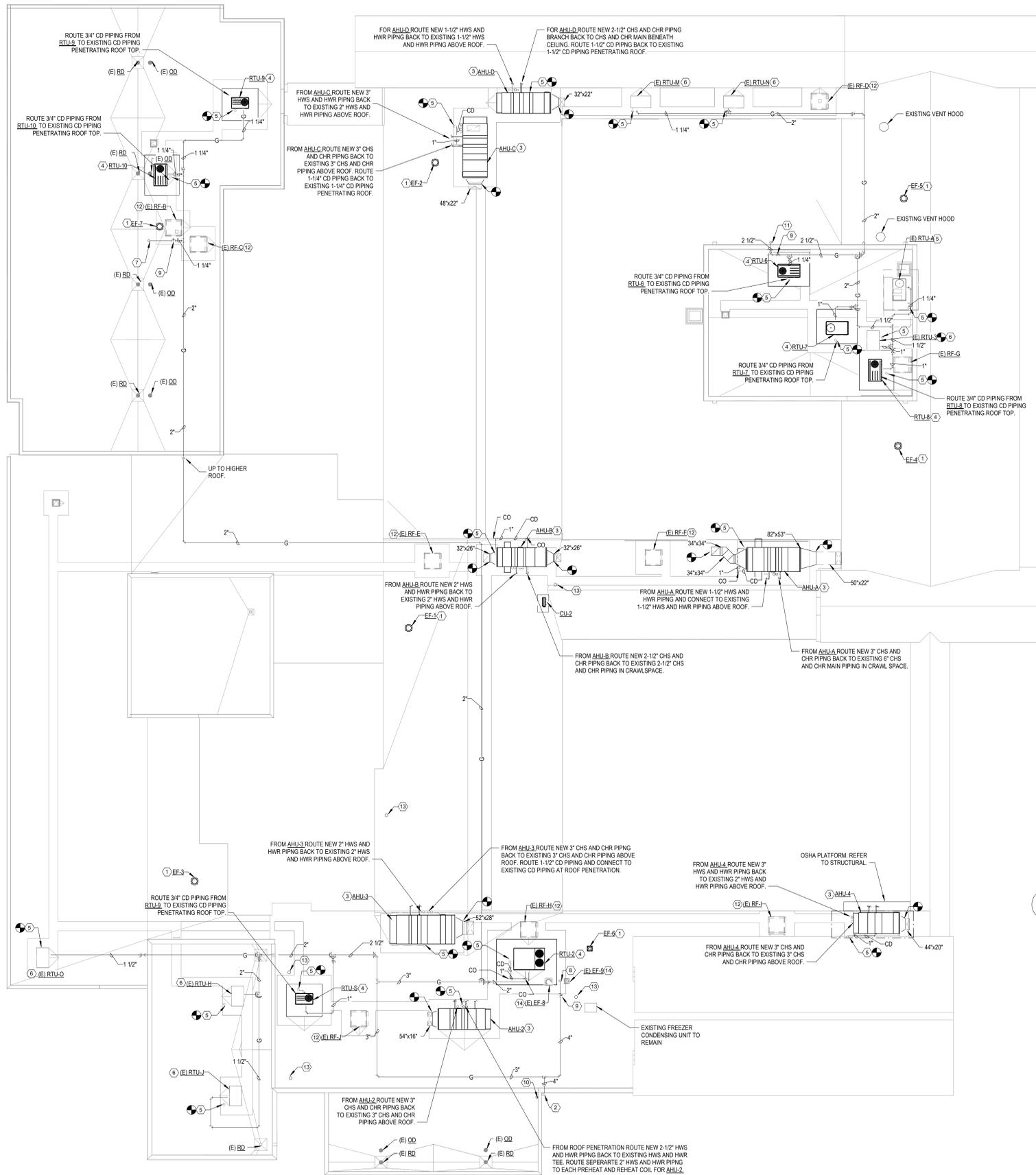
DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 RAVINIA DR., DALLAS, TX 75211

OVERALL MECH/PLBG FLOOR PLAN - LEVEL 2  
MP-2.05

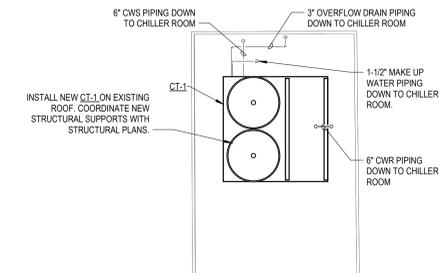
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1 OVERALL MECHANICAL ROOF PLAN  
1/16" = 1'-0"



2 ROOF PLAN - CHILLER ROOM  
1/8" = 1'-0"



**SHEET NOTES:**

- DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE NOT AVAILABLE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
- REPLACE ALL ROOFTOP EXHAUST FANS AS NOTED ON DRAWINGS.
- ALL EXISTING CD PIPING NOT ON ROOFTOP SHALL BE REUSED. IF CD PIPING IS ROUTED TO A GUTTER RELocate TO AN EXISTING MOP SINK OR SANITARY DRAIN.
- AFTER NEW GAS PIPING IS REINSTALLED AFTER ROOF REPAIR, PERFORM LEAK TEST AT THE COMPLETION OF THE WORK AND SUBMIT LEAK TEST REPORT TO DISD FACILITIES.
- ROUTE ALL NEW CHILLED WATER PIPING AND HEATING WATER PIPING ABOVE ROOF TO AVOID NEW AIR HANDLING UNIT ACCESS PANELS AND CLEARANCES.
- ALL NEW RTU SHALL BE PROVIDED WITH DEDICATED GAS ISOLATION VALVES.
- ALL FLUE AND PLUMBING STACKS SHALL BE RAISED TO 12" ABOVE NEW ROOF MEMBRANES.
- ALL EXISTING TO REMAIN RTUS, EXHAUST FANS, AND RELIEF FANS SHALL BE RAISED 14" ABOVE NEW ROOF MEMBRANE.
- ALL EXISTING ROOF DRAINS AND OVERFLOW ROOF DRAINS SHALL BE RAISED AS REQUIRED FOR NEW ROOF THICKNESS.

**NOTES BY SYMBOL:** "O"

- INSTALL NEW ROOFTOP EXHAUST FANS.
- ROUTE NEW 4" GAS PIPING UP ALONG EXTERIOR WALL TO ABOVE PARAPET AND CONTINUE AS SHOWN ON ROOF.
- PROVIDE AND INSTALL NEW AIR HANDLING UNIT WITH NEW ROOF CURB AS SHOWN. CONNECT NEW AHU TO EXISTING HYDRONIC CHILLED WATER AND HYDRONIC HEATING WATER PIPING. REFER TO MANUFACTURER FOR FINAL CONNECTION REQUIREMENTS. CONNECT NEW AHU TO EXISTING DUCTWORK. ROUTE NEW CONDENSATE DRAIN FROM NEW UNIT TO EXISTING CD ROOF PENETRATION AND CONTINUE DOWN TO BELOW ROOF.
- PROVIDE AND INSTALL NEW ROOFTOP UNIT WITH NEW ROOF CURB. ROUTE NEW GAS PIPING TO SERVE NEW UNIT AS SHOWN AND MAKE FINAL CONNECTION. PROVIDE AND INSTALL NEW GAS ISOLATION PLUG VALVE PRIOR TO FINAL CONNECTION. ROUTE NEW CONDENSATE DRAIN FROM NEW RTU TO EXISTING EXISTING CD ROOF PENETRATION. CONNECT TO EXISTING CD PIPING BELOW EXISTING ROOF PENETRATION.
- ROUTE NEW CD PIPING ON ROOFTOP AND CONNECT TO EXISTING CD PIPING PENETRATING ROOFTOP.
- EXISTING TRANE RTU TO REMAIN.
- ROUTE NEW 1-1/4" G DOWN FROM ROOF TO WATER HEATER ON LEVEL BELOW. REFER TO IMP-2.02
- ROUTE NEW 4" GAS PIPING DOWN FROM ROOF TO BOILER AND KITCHEN EQUIPMENT ON LEVEL BELOW.
- PROVIDE AND INSTALL NEW ISOLATION PLUG VALVE.
- ROUTE (2) NEW 4" VENTS UP FROM GREASE INTERCEPTOR BELOW EXTERIOR GRADE AND CONTINUE UP TO A MINIMUM OF 12" ABOVE ROOF PRIOR TO TERMINATION.
- REPLACE ALL GAS PIPING ON EXTERIOR WALL BACK TO 4" GAS MAIN IN BOILER ROOM.
- EXISTING RELIEF FAN TO REMAIN.
- EXISTING ROOF CAP FOR CEILING MOUNTED EXHAUST FANS.
- EXISTING EXHAUST FAN TO REMAIN.

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OVERALL MECH/PLBG ROOF PLAN  
MP-2.06



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BHB PROJECT # 2023.181.000

**PLUMBING LEGEND**

---	COLD WATER (CW)	---	CAP END OF LINE
---	HOT WATER (110°F HW)	---	RISER DOWN
---	HOT WATER RETURN	---	RISER UP
---	HOT WATER (140°F HW)	---	PIPE ANCHOR
---	WASTE (SANITARY SEWER)	---	PLUG CLEANOUT
---	SD STORM DRAIN	---	VALVE IN VERTICAL
---	OD OVERFLOW DRAIN	---	FLEXIBLE CONNECTION
---	GW GREASE WASTE	---	DIRECTION OF FLOW
---	CD CONDENSATE DRAIN	---	DIRECTION OF PITCH (DOWN)
---	VENT	---	HOSE BIBB
---	G GAS	---	FLOOR DRAIN
---	GATE VALVE	---	FLOOR SINK (FULL OR HALF GRATE AS SPECIFIED)
---	BALL VALVE	---	ROOF DRAIN
---	CHECK VALVE	---	OVER FLOW DRAIN
---	BALANCE VALVE	---	HUB DRAIN
---	MOTORIZED SHUTOFF VALVE	---	TRENCH DRAIN
---	MODULATING CONTROL VALVE	---	FIRE RISER
---	BUTTERFLY VALVE	---	PETE'S PLUG (P/T PORT)
---	STRAINER	---	GALUAGE COCK
---	PLUG VALVE	---	GAUGE
---	GAS PRESSURE REGULATOR	---	THERMOMETER
---	UNION	---	PIPE WELL
---	CA COMPRESSED AIR	---	THERMOMETER WELL
---	F FIRE PROTECTION PIPE	---	CONNECT TO EXISTING
---	EXISTING UTILITY	---	CO CLEANOUT
---	ITEM TO BE REMOVED	---	FCO FLOOR CLEANOUT
---	SD STORM DRAIN	---	WCO WALL CLEANOUT
---	W WASTE	---	GCO GRADE CLEANOUT
---	DS DOWNSPOUT	---	DGCO DOUBLE GRADE CLEANOUT
---	AFF ABOVE FINISHED FLOOR	---	EW ELECTRIC WATER COOLER
---	EA EACH	---	NFWH NON-FREEZE WALL HYDRANT
---	IE INVERT ELEVATION	---	WHA WATER HAMMER ARRESTOR
---	(E) EXISTING	---	VTR VENT THRU ROOF

**HVAC LEGEND**

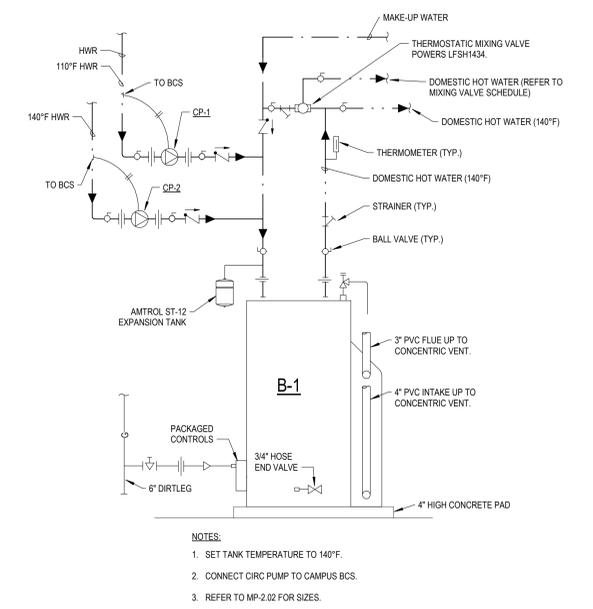
---	EXISTING TO REMAIN	---	EXISTING TO REMAIN
---	ITEM TO BE REMOVED	---	NEW DUCTWORK
---	SUPPLY AIR DIFFUSER	---	RETURN GRILLE
---	EXHAUST GRILLE	---	EXHAUST GRILLE
---	SIDEWALL GRILLE/DIFFUSER	---	LINEAR SLOT DIFFUSER
---	ROUND FLEXIBLE DUCTWORK (MAX. 6'-0" LENGTH)	---	TEMPERATURE SENSOR (MOUNT 4'-0" ABOVE FLOOR)
---	THERMOSTAT (MOUNT 4'-0" ABOVE FLOOR)	---	HUMIDITY SENSOR
---	TEMPERATURE SENSOR (MOUNT 4'-0" ABOVE FLOOR)	---	CARBON DIOXIDE SENSOR
---	HUMIDITY SENSOR	---	CARBON MONOXIDE SENSOR
---	CARBON DIOXIDE SENSOR	---	VOLUME DAMPER
---	CARBON MONOXIDE SENSOR	---	FIRE DAMPER
---	VOLUME DAMPER	---	SMOKE DAMPER
---	FIRE DAMPER	---	FIRE/SMOKE DAMPER
---	SMOKE DAMPER	---	FIRE/SMOKE DAMPER
---	FIRE/SMOKE DAMPER	---	INDICATES 12" x 8" INS. DIM. NET (1ST FIGURE = SIDE SHOWN, 2ND FIGURE = SIDE NOT SHOWN)
---	INDICATES 12" x 8" INS. DIM. NET (1ST FIGURE = SIDE SHOWN, 2ND FIGURE = SIDE NOT SHOWN)	---	DIFFUSER OR GRILLE DESIGNATION
---	DIFFUSER OR GRILLE DESIGNATION	---	CONNECT TO EXISTING
---	CONNECT TO EXISTING	---	CO CLEANOUT
---	CO CLEANOUT	---	FCO FLOOR CLEANOUT
---	FCO FLOOR CLEANOUT	---	WCO WALL CLEANOUT
---	WCO WALL CLEANOUT	---	GCO GRADE CLEANOUT
---	GCO GRADE CLEANOUT	---	DGCO DOUBLE GRADE CLEANOUT
---	DGCO DOUBLE GRADE CLEANOUT	---	EW ELECTRIC WATER COOLER
---	EW ELECTRIC WATER COOLER	---	NFWH NON-FREEZE WALL HYDRANT
---	NFWH NON-FREEZE WALL HYDRANT	---	WHA WATER HAMMER ARRESTOR
---	WHA WATER HAMMER ARRESTOR	---	VTR VENT THRU ROOF
---	VTR VENT THRU ROOF	---	(E) EXISTING

**HVAC GENERAL NOTES**

- FURNISH AND INSTALL ALL MATERIALS AND LABOR REQUIRED TO PROVIDE COMPLETE AND OPERABLE HVAC SYSTEMS WITH ALL ITEMS AND APPURTENANCES NECESSARY EVEN THOUGH NOT SPECIFICALLY IDENTIFIED.
- ALL WORK AND/OR MATERIALS SHALL BE INSTALLED BY A LICENSED CONTRACTOR AND SHALL CONFORM TO ALL APPLICABLE NATIONAL AND LOCAL BUILDING AND MECHANICAL CODES.
- ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. INSTALL TURNING VANES IN ALL DUCTWORK ELBOWS.
- WHERE DUCTWORK IS INDICATED TO BE EXPOSED TO VIEW IN OCCUPIED SPACES, PROVIDE MATERIALS THAT ARE FREE FROM VISUAL IMPERFECTIONS INCLUDING PITTING, SEAM MARKS, DRILLER MARKS, AND STAINS AND DISCOLORATIONS, AND OTHER IMPERFECTIONS, INCLUDING THOSE THAT WOULD IMPAIR PAINTING.
- ALL INTERIOR DUCTS SHALL BE CONSTRUCTED WITH #16 OR BETTER GALVANIZED STEEL (ASTM A 653/A 653M) L.F.O. CHEM TREAT. EXTERIOR DUCTWORK OR DUCT EXPOSED TO HIGH HUMIDITY CONDITIONS (I.E. MOISTURE LADEN EXHAUSTS NOT SPECIFIED TO BE STAINLESS STEEL) SHALL BE #16 OR BETTER GALVANIZED STEEL L.F.O. CHEM TREAT.
- COORDINATE EXACT ROUTING OF ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF WORK.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF AIR DEVICES AND ROUTING OF DUCTWORK WITH REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING LAYOUT.
- ALL SUPPLY AND RETURN AIR DUCTWORK ABOVE SHALL BE INSULATED WITH 2" THICK, 0.75 LB/CF (MINIMUM) FSK WRAP INSULATION (MINIMUM INSTALLED R-VALUE = R-6). FOR DUCTWORK WITH INTERNAL LINER, WRAP INSULATION MAY BE OMITTED.
- ALL SUPPLY AND RETURN AIR DUCTWORK ROUTED ABOVE IN ATTIC SPACE SHALL BE INSULATED WITH 3" THICK, 0.75 LB/CF (MINIMUM) FSK WRAP INSULATION (MINIMUM INSTALLED R-VALUE = R-8). FOR DUCTWORK WITH INTERNAL LINER, WRAP INSULATION MAY BE OMITTED.
- ALL SUPPLY/RETURN DUCTWORK FROM AIR HANDLING UNITS SHALL BE LINED WITH 1-1/2" THICK ACOUSTICAL LINING 2' BEYOND UNIT.
- ALL SUPPLY/RETURN DUCTWORK FROM AIR HANDLING UNITS ROUTED ABOVE IN ATTIC SPACE SHALL BE LINED WITH 2" THICK ACOUSTICAL LINING 2' BEYOND UNIT.
- FLEXIBLE DUCTWORK RUNOUTS SHALL BE LIMITED TO 6'-0" EXTENDED LENGTH. FLEXIBLE DUCTWORK SHALL BE EQUAL TO ATCO #36. FLEXIBLE DUCTS, BOTH SUPPLY AND RETURN, SHALL HAVE INSULATION WITH A MINIMUM R-VALUE OF 6.0. PER I.E.C. DUCT SHALL HAVE A CONTINUOUS FLEXIBLE FIBERGLASS SHEATH WITH UL APPROVED METALIZED POLYESTER BARRIER JACKET.
- INSTALL FLEXIBLE DUCTWORK CONNECTIONS AT ALL DUCT CONNECTIONS TO AIR HANDLING UNITS, ROOF TOP UNITS AND FANS.
- SUPPORT ALL ROOF MOUNTED CONDENSING UNITS WITH METAL CAPPED ROOF CURBS PER FIGURE 4-160, SMACNA ARCHITECTURAL SHEET METAL MANUAL, 5TH EDITION.
- ALL DUCT DIMENSIONS SHOWN ARE NET CLEAR INSIDE DIMENSIONS.
- FOR ALL VOLUME DAMPERS LOCATED ABOVE A HARD CEILING, PROVIDE AND INSTALL A WORK GEAR REMOTE VOLUME DAMPER REGULATOR. INSTALL KEY ACCESS IN THE CEILING DIRECTLY BELOW THE DAMPER AND PAINT CAP TO MATCH CEILING.
- DO NOT ROUTE ANY DUCTWORK OR PIPING OVER ELECTRICAL PANELS OR I.T. SERVERS.
- MOUNT ALL THERMOSTATS AND TEMPERATURE SENSORS 4'-0" ABOVE FLOOR (TYPICAL), UNLESS NOTED OTHERWISE.
- THE MECHANICAL CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AND BALANCING AGENCY CERTIFIED BY THE AABC TO TEST AND BALANCE THE HVAC SYSTEMS. SYSTEMS SHALL BE BALANCED TO PLUS/MINUS 10% OF DESIGN REQUIREMENTS. THE CONTRACTOR SHALL PLACE ALL SYSTEMS AND EQUIPMENT INTO FULL OPERATION FOR TESTING AND BALANCING. ONE COPY OF THE FINAL TEST AND BALANCE REPORT WITH THE AABC NATIONAL PERFORMANCE GUARANTEE SHALL BE SENT DIRECTLY TO THE ENGINEER OF RECORD. PROVIDE FIVE (5) ADDITIONAL COPIES TO THE CONTRACTOR.

**PLUMBING GENERAL NOTES**

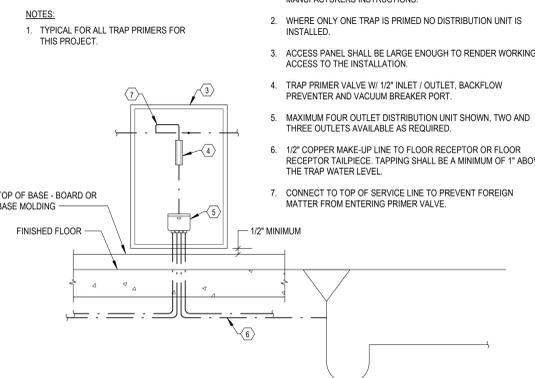
- FURNISH AND INSTALL ALL MATERIALS AND LABOR REQUIRED TO PROVIDE AND OPERABLE PLUMBING SYSTEMS WITH ALL ITEMS AND APPURTENANCES NECESSARY. EVEN THOUGH NOT SPECIFICALLY CALLED OUT.
- ALL WORK AND/OR MATERIAL SHALL BE INSTALLED BY A LICENSED CONTRACTOR.
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE PLUMBING CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO THE OWNER.
- CROSS-CONNECTIONS OF ANY FUTURE DEVICE OR CONSTRUCTION WHICH WILL PERMIT BACKFLOW FROM A WATER DISTRIBUTION SYSTEM AND ANY PART OF THE DRAINAGE SYSTEM SHALL NOT BE INSTALLED.
- PLUMBING FIXTURES SHALL BE AS SCHEDULED. ALL HANDICAP FIXTURE INSTALLATIONS SHALL BE IN COMPLIANCE WITH ADA AND TEXAS ACCESSIBILITY STANDARDS. CONFIRM EXACT LOCATIONS OF ALL PLUMBING FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION. ALL FIXTURES SHALL BE COMPLETE WITH ALL NECESSARY TRIM. ALL EXPOSED METAL PARTS SHALL BE CHROME-PLATED BRASS.
- CONFIRM ROUGH-IN REQUIREMENTS FOR ALL EQUIPMENT PRIOR TO INSTALLATION.
- COORDINATE EXACT ROUTINGS OF ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF WORK.
- PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAIN EXCEPT FOR THOSE AREAS NOT REQUIRED BY THE CITY OF DALLAS PLUMBING CODE.
- PROVIDE FACTORY MANUFACTURED WATER HAMMER ARRESTORS WHERE REQUIRED AND/OR INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL CONFIRM DEPTHS OF EXISTING SEWER LINES AND CONFIRM ADEQUACY FOR CONNECTION OF NEW SYSTEM. THE ENGINEER SHALL BE NOTIFIED IF THE REQUIRED SLOPES CAN NOT BE MAINTAINED, PRIOR TO INSTALLATION OF ANY NEW PIPING.
- INSTALL PLUMBING VENTS THROUGH ROOF TO BE A MINIMUM OF 10'-0" FROM ALL RTU AND OTHER OUTSIDE AIR INTAKES. COORDINATE WITH MECHANICAL.
- ALL WATER PIPING PASSING THROUGH CONCRETE FLOOR SLABS SHALL BE COMPLETELY ISOLATED FROM THE CONCRETE BY ENCASEMENT IN 1/2" THICK FLEXIBLE FOAM PLASTIC INSULATION FROM WELL BELOW THE TOP OF THE CONCRETE SLAB UP TO TWO INCHES ABOVE THE BEAMS BELOW GRADE. IT SHALL BE WRAPPED WITH 2 PLYS OF 15# FELT TO ISOLATE THE PIPE FROM THE CONCRETE. WHERE WATER PIPE EXTENDS THROUGH CONCRETE GRADE BEARS BELOW GRADE, IT SHALL BE ENCASED IN 3/8" THICK FLEXIBLE FOAM PLASTIC INSULATION. PIPING BELOW SLAB SHALL BE TYPE "M" SOFT TEMPER COPPER WITHOUT JOINTS.
- ALL EXPOSED PIPING PASSING THROUGH FLOORS, CEILINGS OR WALLS SHALL BE PROVIDED WITH APPROVED PLATES OF SUFFICIENT DIAMETER TO COVER THE SLEEVE OPENING AND FIT SNUGLY AROUND THE PIPE.
- WATER AND SEWER LINES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL SPACING AS REQUIRED BY CODE.
- THIS CONTRACTOR SHALL FURNISH ALL PIPE SUPPORTS REQUIRED FOR HIS EQUIPMENT AND MATERIAL. ALL HORIZONTAL RUNS OF PIPING SHALL BE SUPPORTED BY PIPE HANGERS SPACED NOT MORE THAN 10 FEET APART FOR PIPES 1-1/4" AND LARGER, AND 8 FEET FOR PIPES SMALLER THAN 1-1/4". AND AT EACH JOINT FOR SOIL OR WASTE PIPE. ADDITIONAL SUPPORTS SHALL BE PROVIDED WHERE REQUIRED TO PREVENT SAGGING. HANGERS FOR COPPER PIPE SHALL HAVE NYLON INSULATED BUSHINGS OR PIPE SHALL BE WRAPPED WITH 15# FELT.
- CLEANOUTS SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS, OR WHERE REQUIRED, TO PROVIDE ACCESS TO ALL LINES AND AT HORIZONTAL RUNS AT INTERVALS NOT EXCEEDING 80 FEET IN ALL SOIL, WASTE AND DRAIN LINES. CLEANOUTS SHALL BE SAME AS PIPE EXCEPT CLEANOUTS LARGER THAN 4" WILL NOT BE REQUIRED.
- DO NOT INSTALL PVC PIPING IN ANY RETURN AIR PLENUMS.
- CONDENSATE DRAINS FOR AIR CONDITIONING UNITS SHALL BE PROVIDED. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS ACTIVITIES WITH ALL OTHER TRADES SO THAT ALL SYSTEMS ARE COMPLETE.
- ALL P-TRAPS FOR FIXTURES IN FLOORS ABOVE CONDITIONED SPACES THAT ACCEPT CONDENSATE DRAINAGE SHALL BE INSTALLED, AS WELL AS THE DRAIN PIPING 5'-0" DOWNSTREAM OF THE TRAP.
- PROVIDE ISOLATION VALVES AT ALL FIXTURES/APPLIANCES FOR BOTH WATER AND NATURAL GAS (ISOLATION VALVES TO BE 1/4" TURN FULL PORT BALL VALVES).



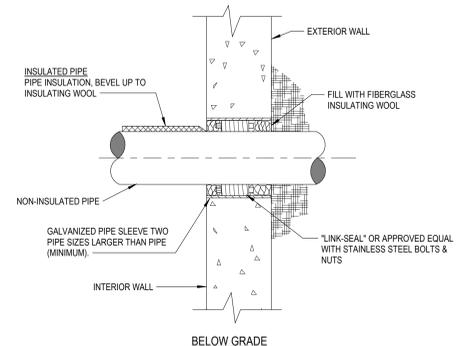
**1 BOILER DETAIL**  
NTS

**NOTES BY SYMBOL: "C"**

- INSTALL TRAP PRIMER AND DISTRIBUTION UNIT PER MANUFACTURER'S INSTRUCTIONS.
- WHERE ONLY ONE TRAP IS PRIMED NO DISTRIBUTION UNIT IS INSTALLED.
- ACCESS PANEL SHALL BE LARGE ENOUGH TO RENDER WORKING ACCESS TO THE INSTALLATION.
- TRAP PRIMER VALVE W/ 1/2" INLET / OUTLET, BACKFLOW PREVENTER AND VACUUM BREAKER PORT.
- MAXIMUM FOUR OUTLET DISTRIBUTION UNIT SHOWN, TWO AND THREE OUTLETS AVAILABLE AS REQUIRED.
- 1/2" COPPER MAKE-UP LINE TO FLOOR RECEPTOR OR FLOOR RECEPTOR TAILPIECE. TAPPING SHALL BE A MINIMUM OF 1' ABOVE THE TRAP WATER LEVEL.
- CONNECT TO TOP OF SERVICE LINE TO PREVENT FOREIGN MATTER FROM ENTERING PRIMER VALVE.

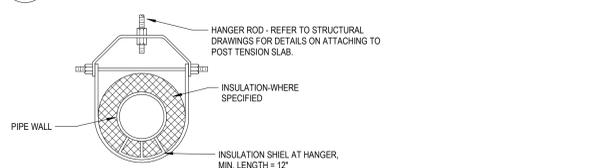


**4 TRAP PRIMER VALVE DETAIL**  
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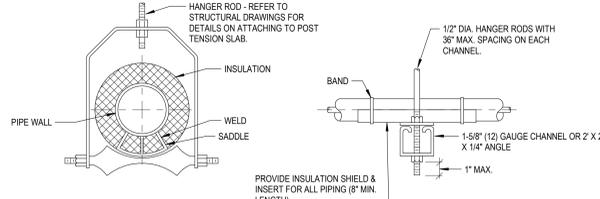


**5 PIPE THRU EXTERIOR WALL**  
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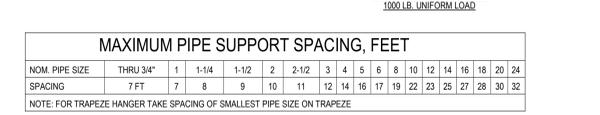
**2 ELEC. WATER HEATER DETAIL**  
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**ADJUSTABLE CLEVIS HANGER**

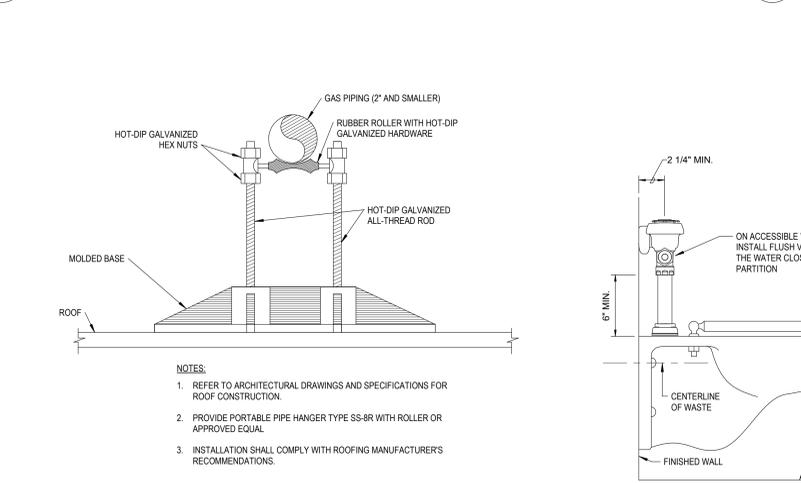


**ADJUSTABLE ROLLER HANGER**



**6 TYPICAL PIPING HANGER DETAIL**  
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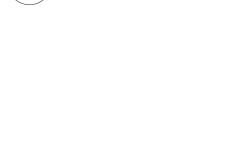
**3 3500 GALLON GREASE INTERCEPTOR DETAIL**  
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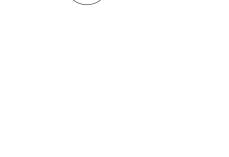
**7 TYPICAL ROOF PIPE SUPPORT DETAIL**  
NTS



**8 FLUSH VALVE INSTALLATION DETAIL**  
NTS



**9 PIPE PENETRATING DRYWALL**  
NTS



**10 TWO WAY GRADE CLEANOUT**  
NTS



MAXIMUM PIPE SUPPORT SPACING, FEET												
NOM. PIPE SIZE	THRU 3/4"	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10
SPACING	7 FT	7	8	9	10	11	12	14	16	18	20	24

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST PIPE SIZE ON TRAPEZE



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DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 RAVINIA DR., DALLAS, TX 75211

MECH/PLBG DETAILS

MP-3.01

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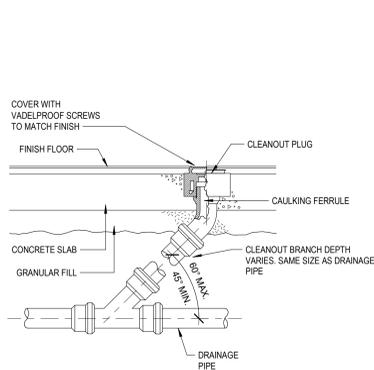


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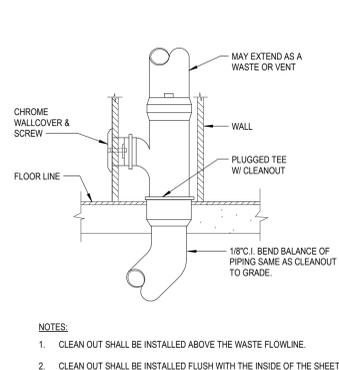
MECH/PLBG DETAILS

MP-3.02

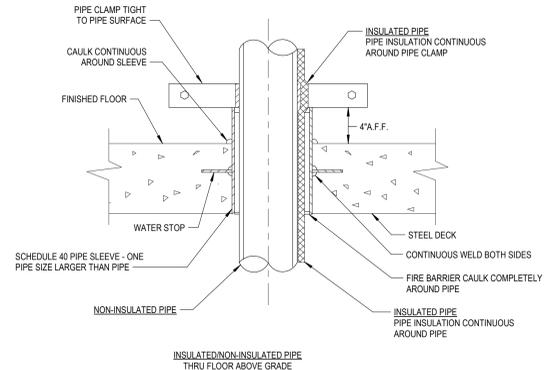
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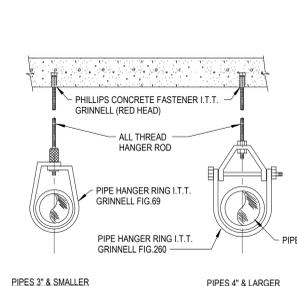
1 BELOW FLOOR CLEANOUT DETAIL  
 NTS



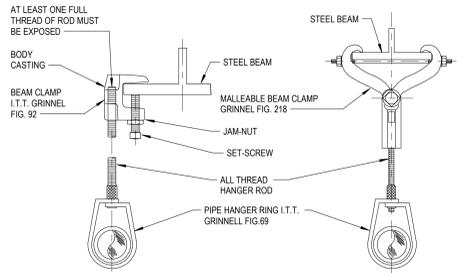
2 WALL CLEANOUT DETAIL  
 NTS



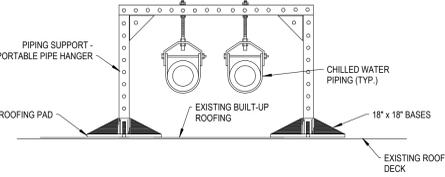
3 TYPICAL PIPE FLOOR SLEEVE DETAIL  
 NTS



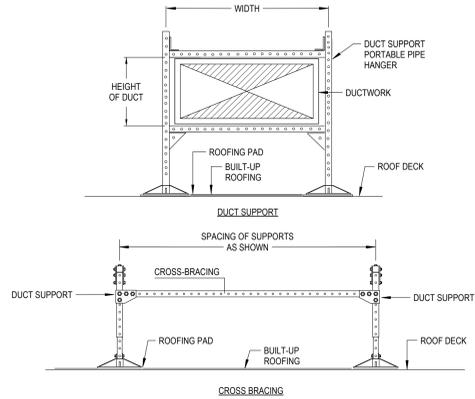
4 CONCRETE INSERT HANGER  
 NTS



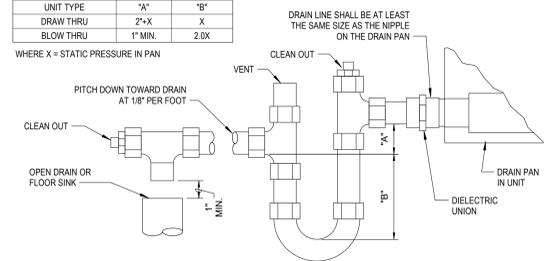
5 BEAM CLAMP HANGER  
 NTS



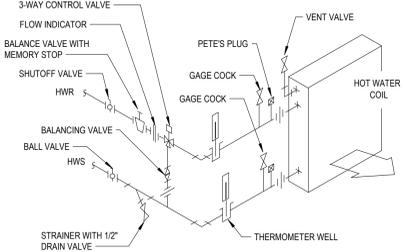
6 ROOF PIPING SUPPORTS  
 NTS



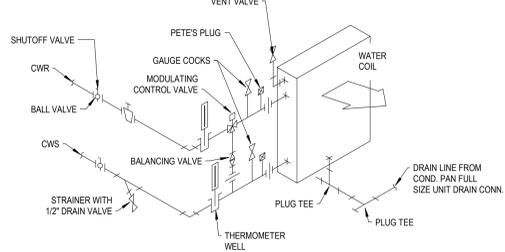
7 ROOF DUCT SUPPORTS  
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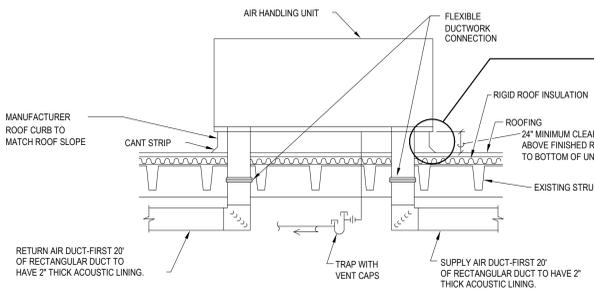
8 AIR HANDLING UNIT AND FAN COIL UNIT DRAIN DETAIL  
 NTS



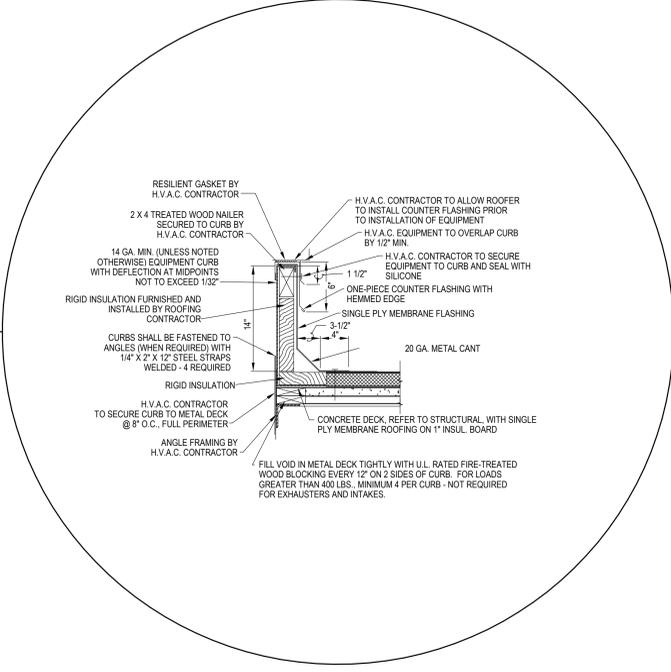
9 AHU HOT WATER COIL PIPING DIAGRAM  
 NTS



10 CHILLED WATER COIL PIPING DIAGRAM  
 NTS



11 TYPICAL ROOFTOP AHU UNIT DETAIL  
 NTS



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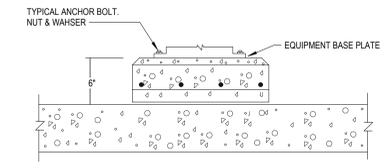
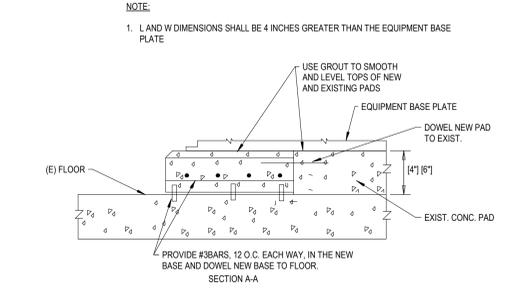
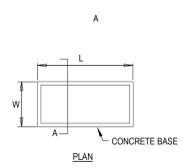
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MECH/PLBG DETAILS

MP-3.03

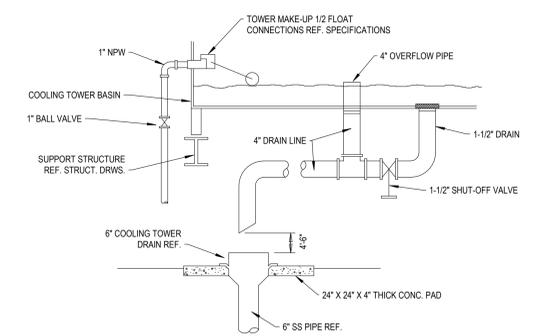
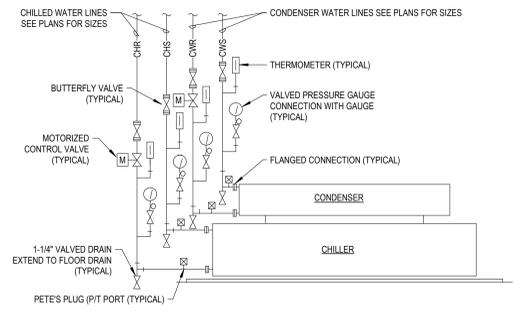


1 EQUIPMENT PAD DETAIL  
 NTS

2 EQUIPMENT PAD DETAIL  
 NTS

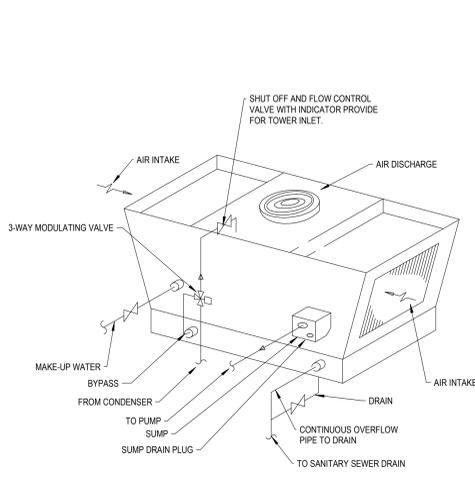
3 CENTRIFUGAL ROOF MOUNTED DOWNBLAST EXHAUST FAN  
 NTS

4 CHILLER PIPING DETAIL  
 NTS



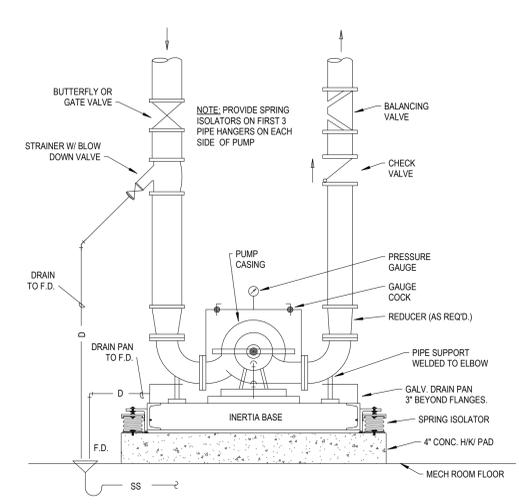
- NOTES:
1. COOLING TOWER PIPE SIZES SHOWN ARE MINIMUM ACCEPTABLE SIZES. PROVIDE FULL CONNECTION SIZE PIPING IF ACTUAL CONNECTION SIZES ARE LARGER THAN THOSE SHOWN.
  2. PROVIDE HEAT TRACING, 1\"/>

5 COOLING TOWER DRAIN AND FILL DETAIL  
 NTS

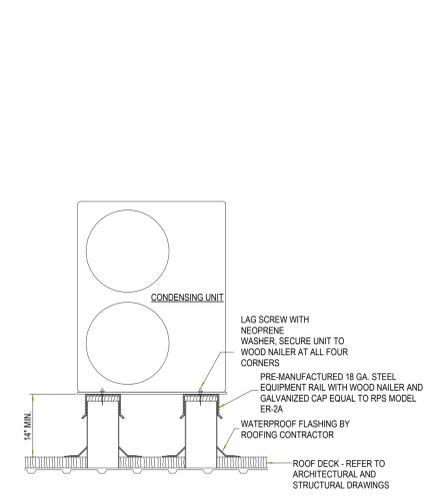


- NOTE:
1. ELEVATION OF COOLING TOWER SUMP OUTLET TO BE 5 FT. ABOVE PUMP SUCTION

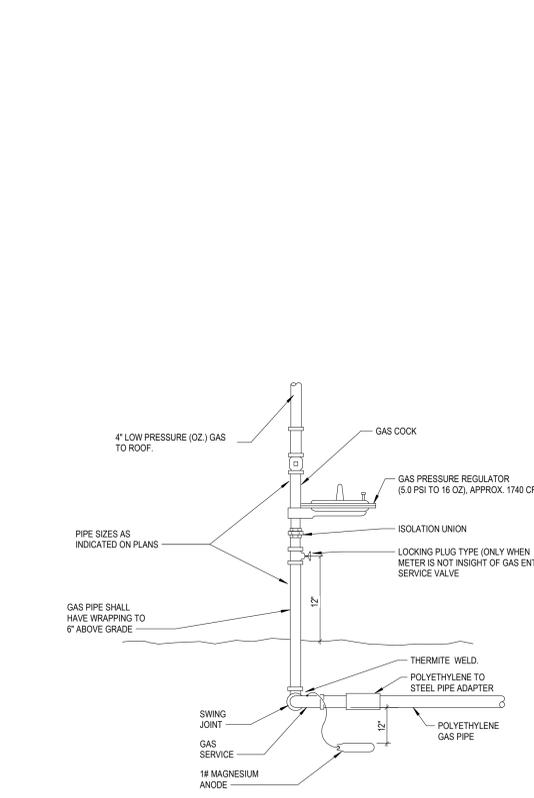
6 TYPICAL COOLING TOWER PIPING  
 NTS



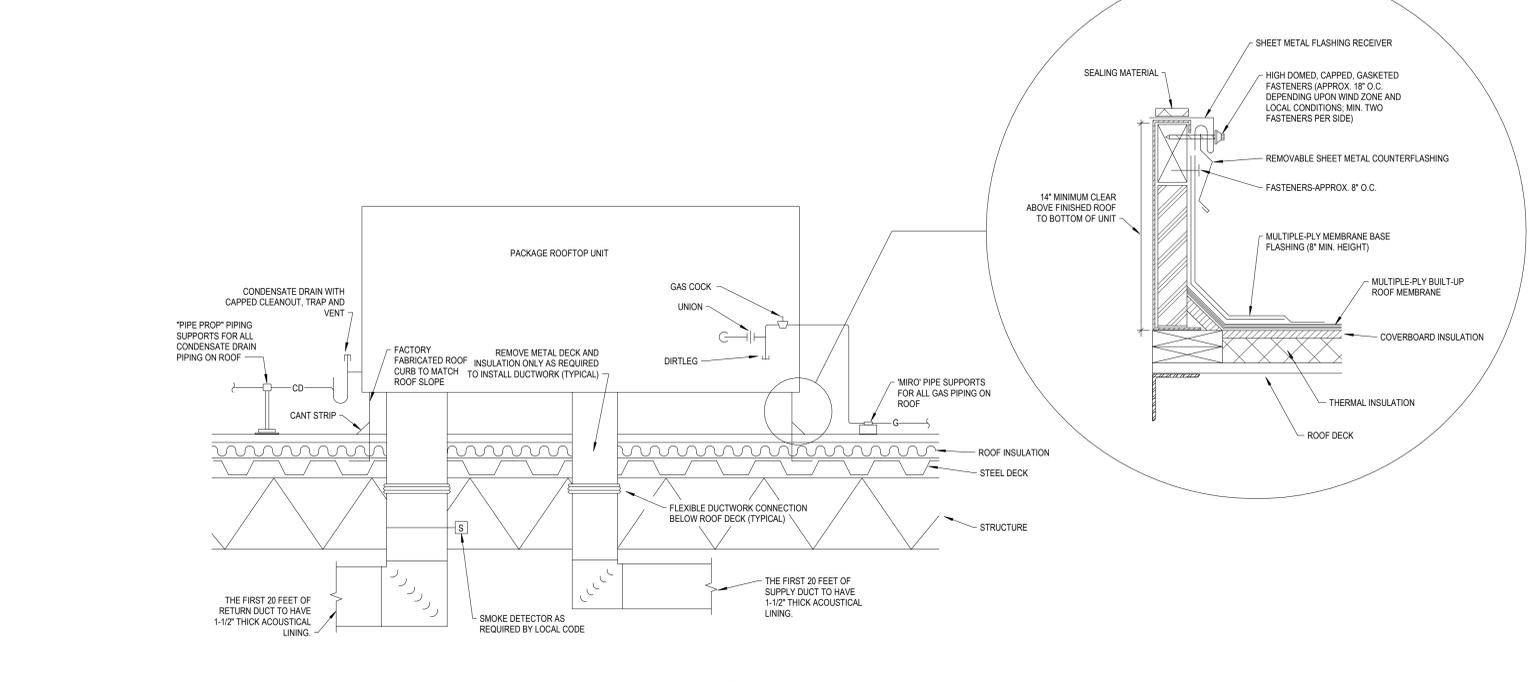
7 SPLIT CASE PUMP PIPING DIAGRAM  
 NTS



8 CONDENSING UNIT SUPPORT CURB DETAIL  
 NTS

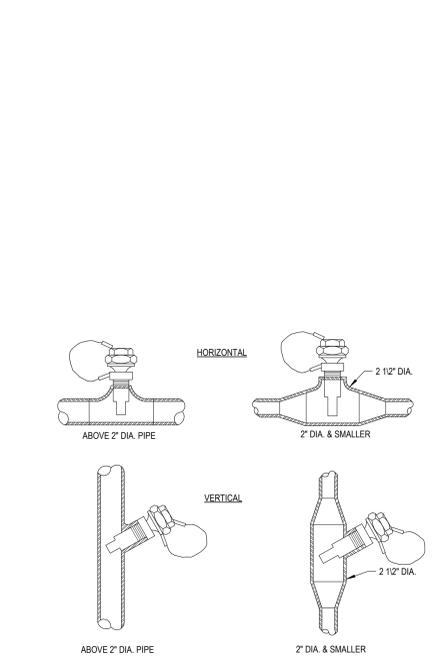
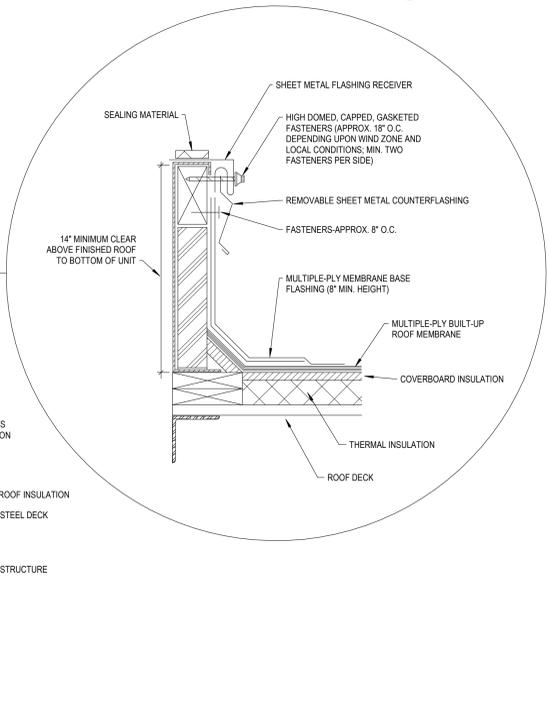


9 GAS ENTRY AND PRESSURE REGULATOR  
 NTS



- NOTES:
1. THE CURB'S TOP WOOD NAILER, AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER.
  2. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
  3. WHEN POSSIBLE, THE MECHANICAL UNITS SHALL NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.

10 ROOF TOP UNIT SUPPORTS  
 NTS



11 INSTALLATION OF THERMOMETER WELLS  
 NTS



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REVISIONS:

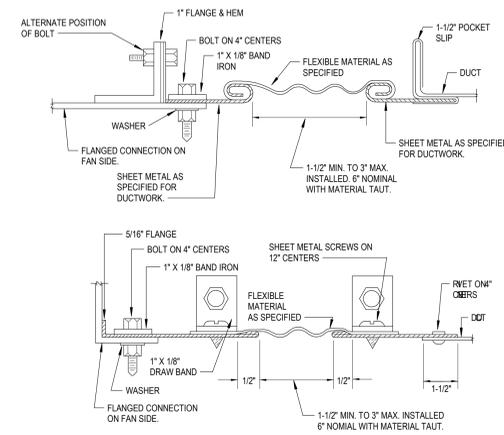
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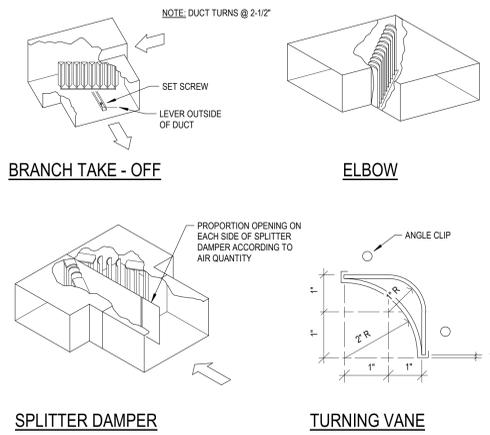
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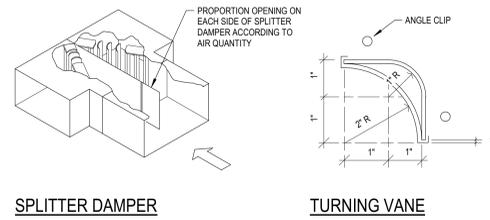


4 TYPICAL FLEX CONNECTION DETAIL  
NTS



BRANCH TAKE - OFF

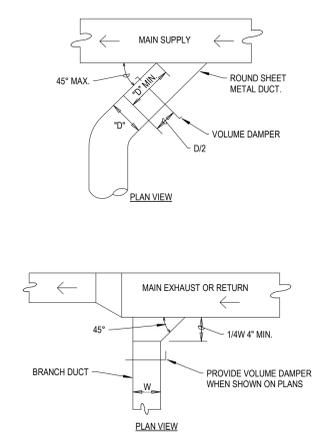
ELBOW



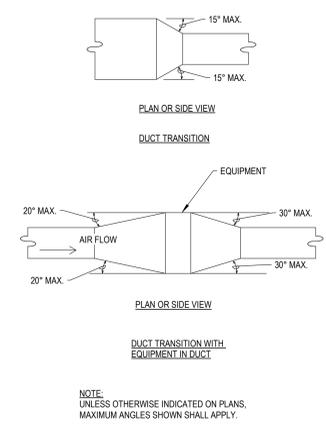
SPLITTER DAMPER

TURNING VANE

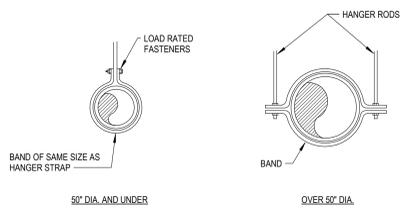
3 DUCT CONSTRUCTION DETAILS  
NTS



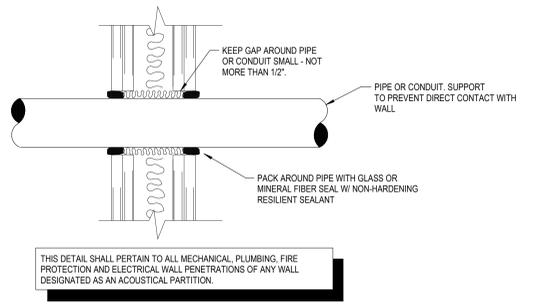
2 BRANCH DUCT TAKE-OFF DETAIL  
NTS



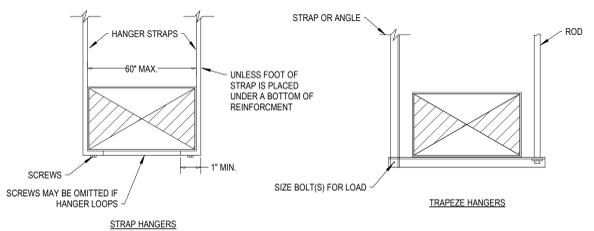
1 DUCT TRANSITIONS WITH AND WITHOUT EQUIPMENT IN DUCT  
NTS



8 ROUND DUCT HANGERS  
NTS



7 SEALING A PIPING PENETRATION IN TYPICAL DRYWALL CONSTRUCTION  
NTS

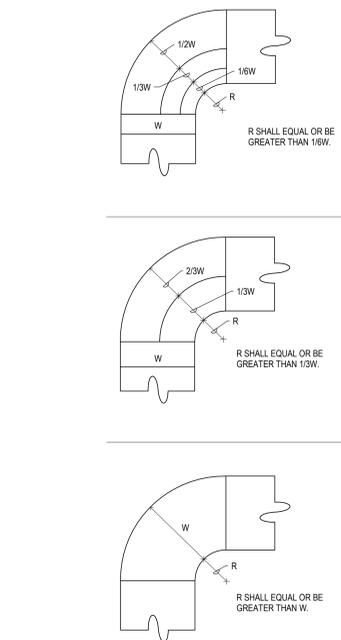


MAXIMUM HALF OF DUCT PERIMETER	RECTANGULAR DUCT HANGERS MINIMUM SIZE			
	PAIR AT 10 FT. SPACING	PAIR AT 8 FT. SPACING	PAIR AT 5 FT. SPACING	PAIR AT 4 FT. SPACING
	STRAP	WIRE/ROD	STRAP	WIRE/ROD
P2-30"	1" X 22 GA. 10 GA. (135)	1" X 22 GA. 10 GA. (135)	1" X 22 GA. 12 GA. (106)	1" X 22 GA. 10 GA. (135)
P2-72"	1" X 18 GA. 3/8"	1" X 20 GA. 1/4"	1" X 22 GA. 1/4"	1" X 22 GA. 1/4"
P2-96"	1" X 16 GA. 3/8"	1" X 18 GA. 3/8"	1" X 20 GA. 3/8"	1" X 22 GA. 1/4"
P2-120"	1-1/2" X 16 GA. 1/2"	1" X 16 GA. 3/8"	1" X 18 GA. 3/8"	1" X 20 GA. 1/4"
P2-168"	1-1/2" X 16 GA. 1/2"	1-1/2" X 16 GA. 1/2"	1" X 16 GA. 3/8"	1" X 18 GA. 3/8"
P2-192"	NOT GIVEN	1/2"	1-1/2" X 16 GA. 1/2"	1" X 16 GA. 3/8"
P2-192" UP	SPECIAL ANALYSIS REQUIRED			
WHEN STRAPS ARE LAP JOINED USE THESE MINIMUM FASTENERS:		SINGLE HANGER MAXIMUM ALLOWABLE LOAD		
		STRAP	WIRE OR ROD (DIA.)	
1" X 18, 20, 22 GA. - TWO #10 OR ONE 1/4" BOLT		1" X 22 GA. - 260 LBS	0.106" - 80 LBS	
1" X 16GA. - TWO 1/4" DIA.		1" X 20 GA. - 320 LBS	0.135" - 120 LBS	
1-1/2" X 16 GA. - TWO 3/8" DIA.		1" X 18 GA. - 420 LBS	0.162" - 160 LBS	
PLACE FASTENERS IN SERIES, NOT SIDE BY SIDE.		1" X 16 GA. - 700 LBS	1/4" - 270 LBS	
		1" X 16 GA. - 700 LBS	3/8" - 660 LBS	
		1-1/2" X 16 GA. - 1100 LBS	1/2" - 1250 LBS	
			5/8" - 2000 LBS	
			3/4" - 3000 LBS	

6 RECTANGULAR DUCT HANGERS  
NTS

MAX. DUCT DIA.	HANGER	MAX. LOAD LBS.	MAX. SPACING FT.
26"	ONE 1" X 22 GA STRAP	260	12
36"	ONE 1" X 18 GA STRAP	420	12
50"	ONE 1" X 16 GA STRAP	700	12
60"	TWO 3/8" DIA. RODS	1320	12
84"	TWO 1/2" DIA. RODS	2900	12

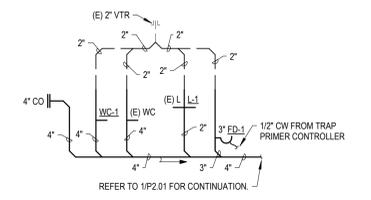
NOTES:  
1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.



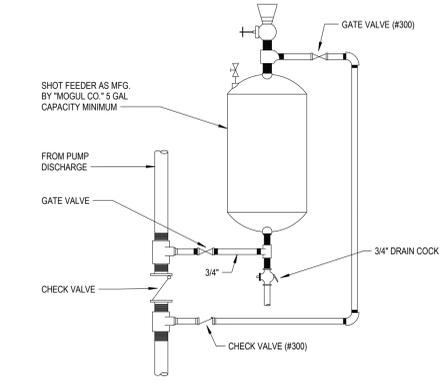
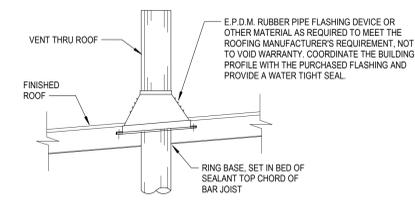
5 RADIUS ELBOW DUCT DETAIL  
NTS

NOTES:  
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.  
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

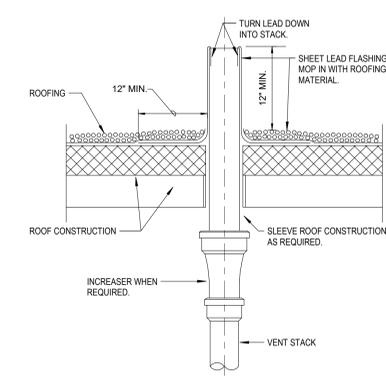
11 TOILET 162A WASTE AND VENT RISER DIAGRAM  
NTS



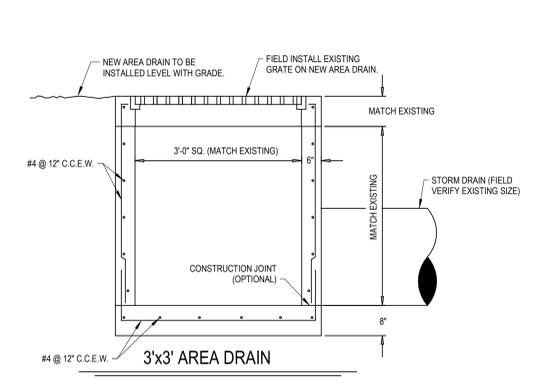
14 VENT THRU ROOF DETAIL  
NTS



12 SHOT FEEDER DETAIL  
NTS

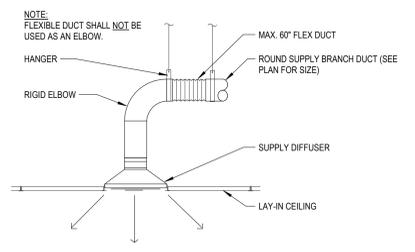


13 LEAD FLASHING VENT THRU ROOF  
NTS



15 AREA DRAIN INSTALLATION DETAIL  
NTS

9 DIFFUSER CONNECTION DETAIL  
NTS



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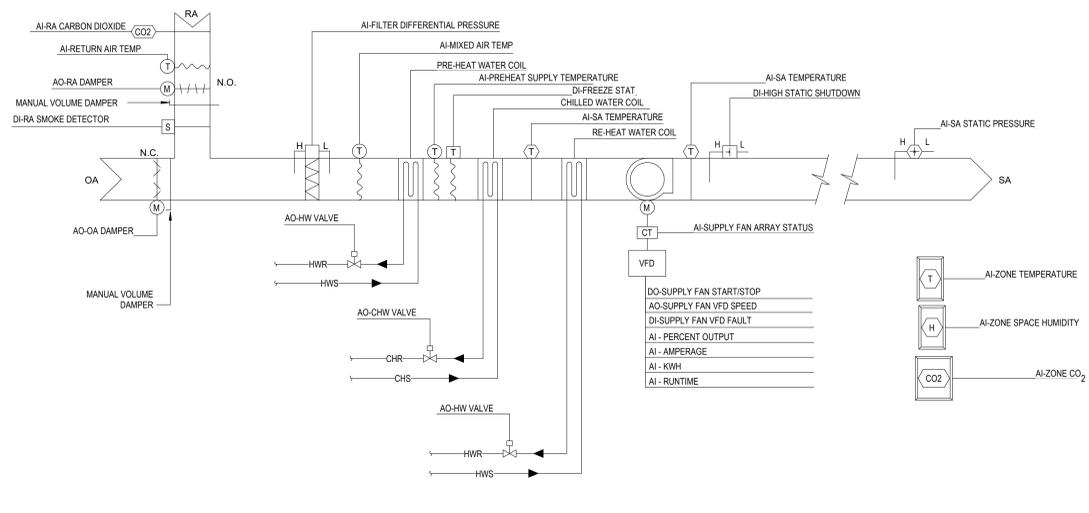
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MECHANICAL CONTROL DIAGRAMS

MP-4.01

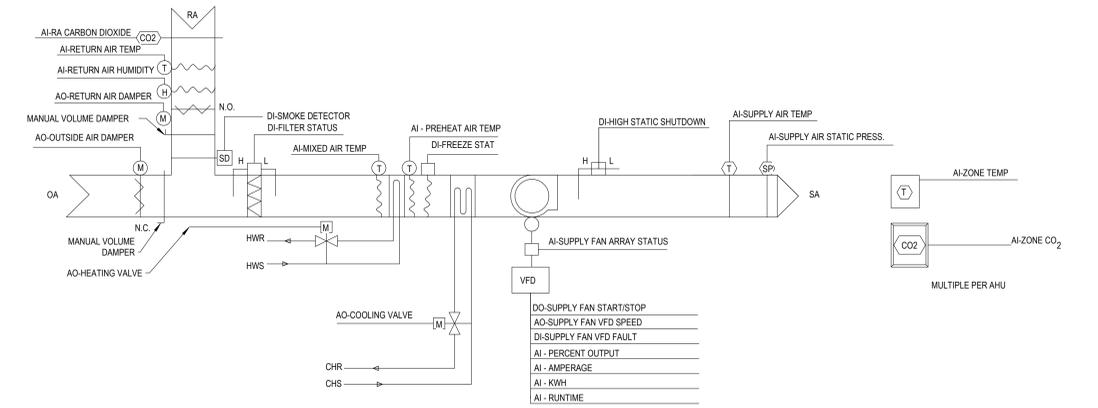


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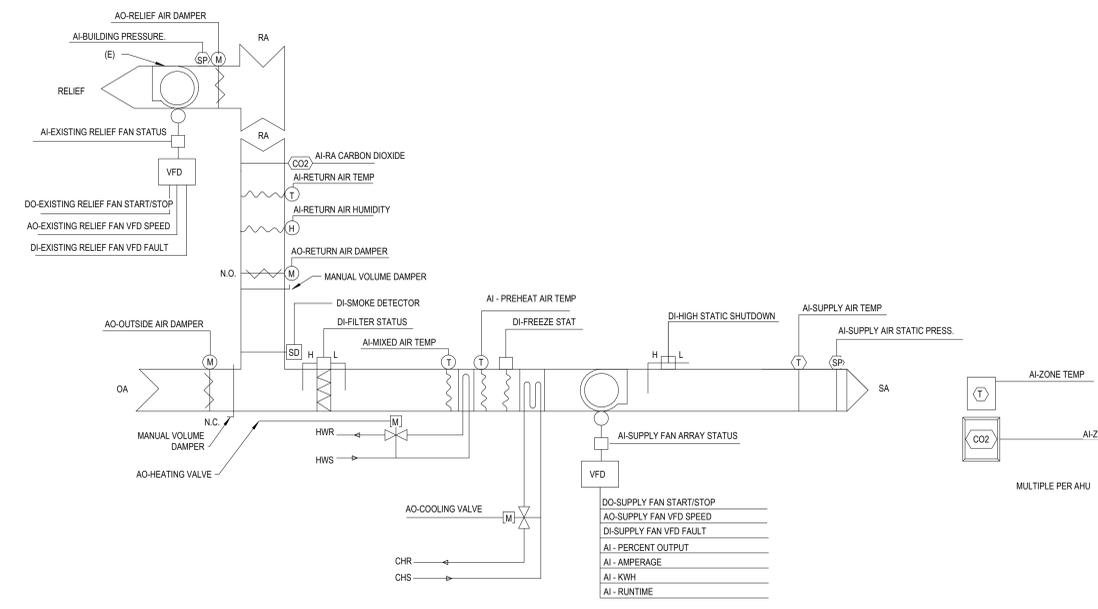
2 AIR HANDLING UNIT CONTROL DIAGRAM - DCV (AHU-2)

NTS  
 NOTES: AHU-2 WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSOR IN THE SPACES AS SHOWN ON THE DRAWINGS IN LUNCH ROOM - 181.



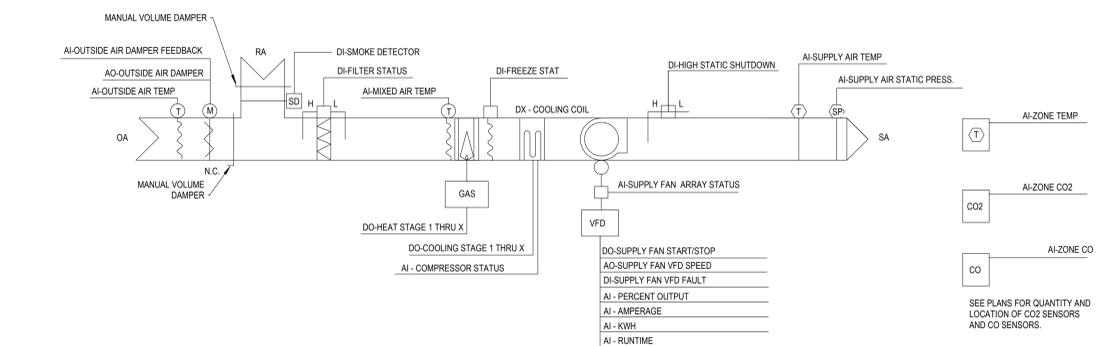
1 AIR HANDLING UNIT CONTROL DIAGRAM - DCV

NTS  
 NOTES: UNITS WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSOR IN THE SPACES AS SHOWN ON THE DRAWINGS. ALL AHUS SHALL HAVE CO2 SENSORS IN CLASSROOMS.



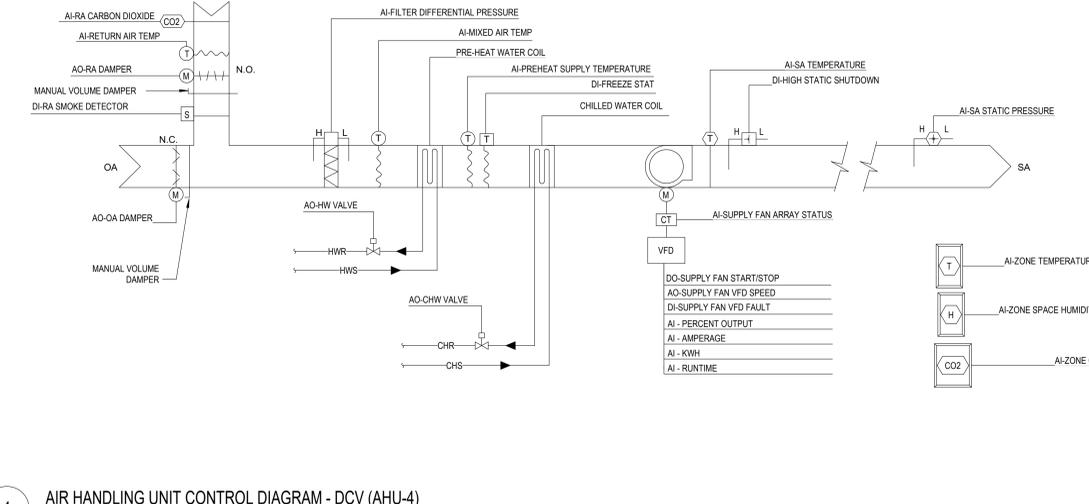
3 AIR HANDLING UNIT CONTROL DIAGRAM - DCV (AHU-E AND AHU-F)

NTS  
 NOTES: UNITS WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSOR IN THE SPACES AS SHOWN ON THE DRAWINGS. ALL AHUS SHALL HAVE CO2 SENSORS IN CLASSROOMS. REFER TO DRAWINGS FOR LOCATION.



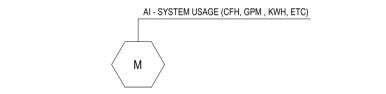
5 ROOFTOP UNIT CONTROL DIAGRAM (DX COOLING AND GAS HEAT)

NTS  
 NOTES:  
 1. RTU-6 AND RTU-7 WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSOR IN THE SPACES AS SHOWN ON THE DRAWINGS. RTU-6 HAS A CO2 SENSOR IN WORK ROOM LOUNGE - 201. RTU-7 HAS A CO2 SENSOR IN MUSIC - 200.  
 2. REFER TO RTU SCHEDULES FOR COOLING AND HEATING STAGES FOR EACH UNIT.



4 AIR HANDLING UNIT CONTROL DIAGRAM - DCV (AHU-4)

NTS  
 NOTES: AHU-4 WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSOR IN THE SPACES AS SHOWN ON THE DRAWINGS IN AUDITORIUM - 192.



6 UTILITY FLOW METER (DOM. CW & NAT GAS)

NTS  
 NOTES:  
 1. PROVIDE AND INSTALL UTILITY METERS AS NOTED WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.  
 2. COORDINATE METER INSTALLATION WITH THE APPROPRIATE CONTRACTOR.  
 3. METER MUST BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.

Autodesk Docs (DSD) Leila Cowart ESR04\_1227 Cover1\_BHB Content.rvt

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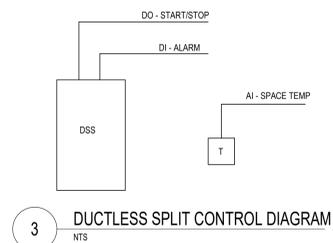
MECHANICAL AND PLUMBING CONTROL DIAGRAMS

MP-4.02

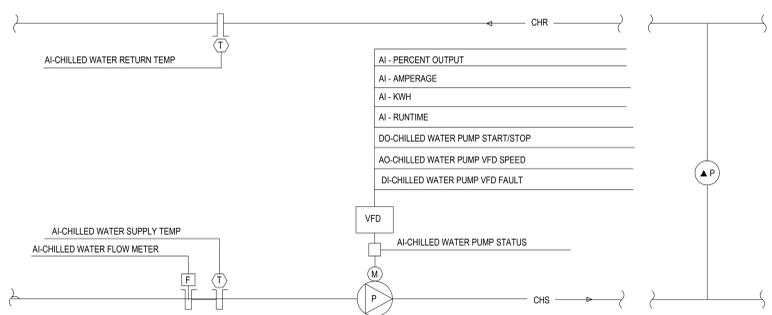
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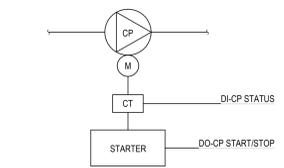
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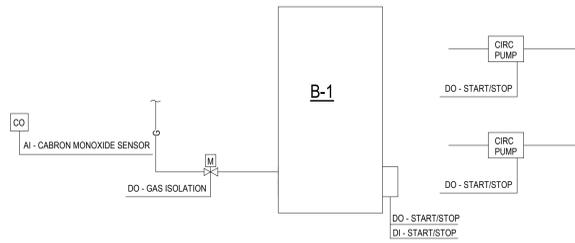
3 DUCTLESS SPLIT CONTROL DIAGRAM  
 NTS



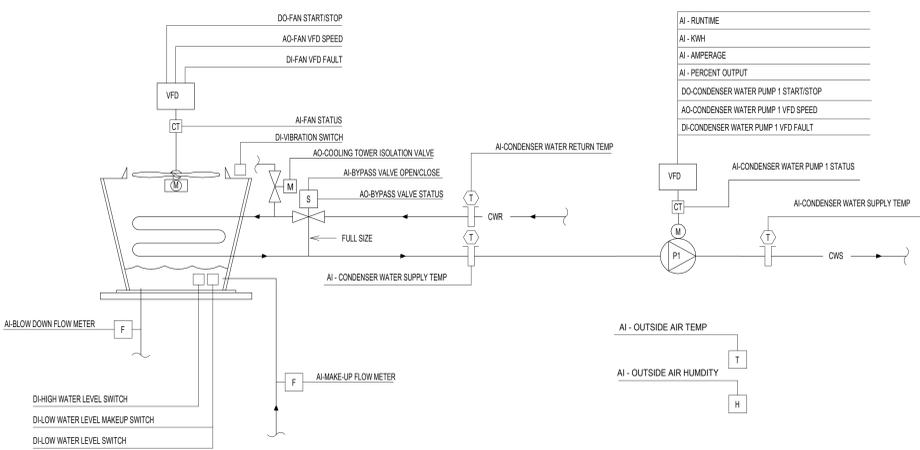
2 CHILLED WATER PUMPS DIAGRAM  
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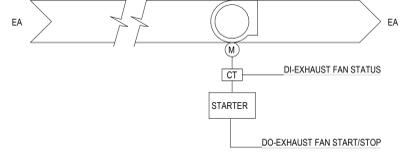
6 CIRCULATION PUMP CONTROL DIAGRAM  
 NTS



5 WATER HEATER CONTROL DIAGRAM  
 NTS



1 COOLING TOWER CONTROL DIAGRAM  
 NTS



4 TYPICAL RESTROOM EXHAUST FAN CONTROL DIAGRAM (CV)  
 NTS  
 NOTE: THE CEILING MOUNTED EXHAUST FANS SHALL BE INTERLOCKED WITH LIGHT SWITCHES.

**CONTRACTOR CANNOT ORDER NEW EQUIPMENT UNLESS THEY VERIFY WITH THE NEW EQUIPMENT POWER REQUIREMENT IS COMPATIBLE WITH THE EXISTING CIRCUIT AVAILABLE. IF NOT COMPATIBLE REWORK EXISTING CIRCUIT TO ACCOMODATE NEW EQUIPMENT.**

**SHEET NOTES:**  
 1. ANY EQUIPMENT THAT BEGINS WITH (E) IS EXISTING EQUIPMENT THAT IS NOT TO BE REPLACED.

COMM. NO. 1287  
 DATE 10/17/2024  
 DRAWN RT  
 CHECKED ILB

**AIR HANDLING UNIT SCHEDULE (WITH REHEAT)**

TAG	SUPPLY AIR			OUTSIDE AIR			SUPPLY FAN						PRE-HEAT COIL			COOLING COIL						RE-HEAT COIL			MANUFACTURER	MODEL NO.																				
	MAX CFM	MIN CFM	ECONOMIZER CFM	MAX CFM	MIN CFM	EXTERNAL S.P. (IN. OF WTR)	TOTAL S.P. (IN. OF WTR)	WHEEL		MOTOR		MAX. FACE VELOCITY (FT/MIN)	MAX. P.D. (IN. OF WTR)	E.A.T. (°F)	HEATING WATER			CHILLED WATER			MAX. FACE VELOCITY (FT/MIN)	MAX. P.D. (IN. OF WTR)	E.A.T. (°F)	HEATING WATER																						
								TYPE	DIA.	MAX. RPM	QTY / HP (EA)				TOTAL HP	TOTAL BRAKE HP	VOLTS/PHASE	FAN CONTROL	ROWS	E.W.T. (°F)				L.W.T. (°F)			MAX. P.D. (FT. OF WTR)	GPM	ROWS	E.W.T. (°F)	L.W.T. (°F)	MAX. P.D. (FT. OF WTR)	GPM													
AHU-2	9,450	9,450	9,450	4,500	835	2.00	4.18	PLENUM	20	1800	25	10	9.806	460/3	VFD	450	0.16	0	512.430	2	180	150	3.19	34	450	0.83	88.2	69.2	413.380	572.000	6	42.0	54.0	8.29	95.0	450	0.12	50.0	469.300	2	180.0	150.0	0.95	31.3	TRANE	CLIMATE CHANGER - CSAA21

- NOTES:
- EXTERNAL STATIC PRESSURE INCLUDES ALL AIR DEVICES, TERMINAL UNITS, DUCTWORK, FITTINGS, AND DAMPERS WHICH ARE EXTERNAL TO THE AIR HANDLING UNIT. EXT. S.P. DOES NOT INCLUDE FILTERS, COILS, OR FACTORY FABRICATED RETURN AIR PLENUMS.
  - ALL MOTORS CONTROLLED BY VARIABLE FREQUENCY CONTROLLERS SHALL BE EQUIPPED WITH AEGIS SHAFT GROUNDING RING KIT TO BE INSTALLED BY EQUIPMENT MANUFACTURER OR INSTALLED IN THE FIELD BY CONTRACTOR.
  - INSTALL NEW CHILLED WATER AND HOT WATER VALVE AS PART OF AHU REPLACEMENT.
  - DRAIN EXISTING CHILLED WATER BEFORE INSTALLING NEW UNITS. REFILL THE CHILLED WATER SYSTEM WITH CLEAN WATER AND PERFORM CHEMICAL TREATMENT OF CHILLED WATER AFTER INSTALLING NEW UNITS.
  - UNITS SHALL BE RATED AND LABELED FOR 65kV SCRR.
  - INSTALL SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTWORK AS REQUIRED BY LOCAL CODE.
  - PROVIDE W MANUFACTURERS EXTERNAL UNIT MOUNTED VFD FOR UNIT SUPPLY FAN.

**AIR HANDLING UNIT SCHEDULE**

TAG	SUPPLY AIR			OUTSIDE AIR			SUPPLY FAN						PRE-HEAT COIL			COOLING COIL						MANUFACTURER	MODEL NO.														
	MAX CFM	MIN CFM	ECONOMIZER CFM	MAX CFM	MIN CFM	EXTERNAL S.P. (IN. OF WTR)	TOTAL S.P. (IN. OF WTR)	WHEEL		MOTOR		MAX. FACE VELOCITY (FT/MIN)	MAX. P.D. (IN. OF WTR)	E.A.T. (°F)	HEATING WATER			CHILLED WATER			MAX. FACE VELOCITY (FT/MIN)			MAX. P.D. (IN. OF WTR)	E.A.T. (°F)	HEATING WATER											
								TYPE	DIA.	MAX. RPM	QTY / HP (EA)				TOTAL HP	TOTAL BRAKE HP	VOLTS/PHASE	FAN CONTROL	ROWS	E.W.T. (°F)						L.W.T. (°F)	MAX. P.D. (FT. OF WTR)	GPM	ROWS	E.W.T. (°F)	L.W.T. (°F)	MAX. P.D. (FT. OF WTR)	GPM				
AHU-1	14,000	7,600	14,000	5,450	1,190	2.20	4.20	PLENUM	22.25	1800	27.5	15	14.258	460/3	VFD	260	0.03	18.4	373.910	1	180.0	150.0	3.64	24.9	470	0.57	87.5	67.8	500.520	585.840	6	42.0	54.0	3.88	97.3	TRANE	CLIMATE CHANGER - CSAA030
AHU-3	17,500	8,750	17,500	4,100	760	3.00	4.67	PLENUM	24.5	1800	27.0	20	18.66	460/3	VFD	220	0.04	0.0	514.800	2	180.0	150.0	2.14	34.3	440	0.45	81.1	64.8	504.160	568.820	6	42.0	54.0	3.94	94.4	TRANE	CLIMATE CHANGER - CSAA040
AHU-4	9,600	9,600	9,600	3,450	3,300	2.00	4.14	PLENUM	24.5	1800	17.0	10	9.709	460/3	VFD	470	0.16	29.5	681.930	2	180.0	150.0	2.89	45.4	470	0.88	85.9	65.5	401.620	527.000	8	42.0	54.0	17.15	86.5	TRANE	CLIMATE CHANGER - CSAA021
AHU-A	13,550	6,675	13,550	2,600	500	2.50	4.53	PLENUM	22.25	1800	27.0	20	15.11	460/3	VFD	230	0.04	0.0	397.860	2	180.0	150.0	1.34	25.8	450	0.50	83.1	65.4	418.300	455.360	6	42.0	54.0	2.40	75.6	TRANE	CLIMATE CHANGER - CSAA030
AHU-B	8,300	4,150	8,300	1,850	430	2.50	4.81	PLENUM	18.25	1800	27.5	15	10.049	460/3	VFD	250	0.05	0.0	225.030	2	180.0	150.0	0.71	15.0	490	0.56	84.3	65.7	269.400	303.660	6	42.0	54.0	5.08	50.4	TRANE	CLIMATE CHANGER - CSAA017
AHU-C	14,000	7,000	14,000	3,700	800	2.80	4.49	PLENUM	22.25	1800	27.5	15	14.843	460/3	VFD	230	0.04	0.0	394.660	2	180.0	150.0	1.38	26.3	470	0.56	81.7	65.5	410.950	469.970	6	42.0	54.0	2.55	78.0	TRANE	CLIMATE CHANGER - CSAA030
AHU-D	8,500	4,250	8,500	1,870	410	2.00	3.44	PLENUM	20	1800	25	10	7.754	460/3	VFD	200	0.03	0.0	249.510	2	180.0	150.0	0.82	16.6	410	0.43	83.3	65.7	278.330	332.660	6	42.0	54.0	5.61	55.2	TRANE	CLIMATE CHANGER - CSAA021
AHU-E	14,000	6,400	14,000	5,160	1,340	2.20	4.11	PLENUM	22.25	1800	27.5	15	14.625	460/3	VFD	210	0.04	0.0	376.160	2	180.0	150.0	1.26	25.1	470	0.56	84.8	65.7	458.780	530.380	6	42.0	54.0	3.21	86.1	TRANE	CLIMATE CHANGER - CSAA030
AHU-F	6,700	3,375	6,700	2,300	575	2.20	3.67	PLENUM	18.25	1800	25	10	6.398	460/3	VFD	200	0.03	0.0	199.620	2	180.0	150.0	0.56	13.3	400	0.42	84.2	65.4	223.520	270.160	6	42.0	54.0	4.11	44.9	TRANE	CLIMATE CHANGER - CSAA017

- NOTES:
- EXTERNAL STATIC PRESSURE INCLUDES ALL AIR DEVICES, TERMINAL UNITS, DUCTWORK, FITTINGS, AND DAMPERS WHICH ARE EXTERNAL TO THE AIR HANDLING UNIT. EXT. S.P. DOES NOT INCLUDE FILTERS, COILS, OR FACTORY FABRICATED RETURN AIR PLENUMS.
  - INSTALL NEW CHILLED WATER AND HOT WATER VALVE AS PART OF AHU REPLACEMENT.
  - DRAIN EXISTING CHILLED WATER BEFORE INSTALLING NEW UNITS. REFILL THE CHILLED WATER SYSTEM WITH CLEAN WATER AND PERFORM CHEMICAL TREATMENT OF CHILLED WATER AFTER INSTALLING NEW UNITS.
  - (E) RF-B RELIEF FAN SHALL BE INTERLOCKED WITH AHU-E SUPPLY FAN AND (E) RF-F RELIEF FAN SHALL BE INTERLOCKED WITH AHU-F SUPPLY FAN.
  - UNITS SHALL BE RATED AND LABELED FOR 65kV SCRR.
  - INSTALL SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTWORK AS REQUIRED BY LOCAL CODE.
  - PROVIDE W MANUFACTURERS EXTERNAL UNIT MOUNTED VFD FOR UNIT SUPPLY FAN.

**ROOFTOP UNIT SCHEDULE (GAS HEAT)**

TAG	NOMINAL TONS	SUPPLY CFM	O/A CFM	EXT. S.P. (IN. OF WTR)	MOTOR HP	COOLING			GAS HEATING			ELECTRICAL			EER	EER2	MANUFACTURER	MODEL NO.		
						TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	E.A.T. (°F)	INPUT (MBH)	OUTPUT (MBH)	MCA	MOCP	VOLTS	PHASE						
						Db (°F)	Wb (°F)	AMBIENT TEMP. (°F)	IN. OF WTR	IN. OF WTR	IN. OF WTR	IN. OF WTR	IN. OF WTR	IN. OF WTR						
(E) RTU-3	1.5	600	--	0.58	0.33	--	--	--	105	60.0	48.6	--	--	208	1	--	--	TRANE	--	
(E) RTU-A	6	2,400	--	0.20	1	--	--	--	105	80.0	64.0	17	25	460	3	--	--	TRANE	--	
(E) RTU-H	8.5	3,300	--	0.20	2	--	--	--	105	--	--	--	--	460	3	--	--	TRANE	--	
(E) RTU-J	8.5	3,300	--	0.20	2	--	--	--	105	--	--	--	--	460	3	--	--	TRANE	--	
(E) RTU-M	6	2,400	--	0.20	1	--	--	--	105	120.0	96.0	--	--	460	3	--	--	TRANE	--	
(E) RTU-L	6	2,400	--	0.20	1	--	--	--	105	120.0	96.0	17	25	460	3	--	--	TRANE	--	
(E) RTU-O	6	2,400	--	0.20	1	--	--	--	105	80.0	64.0	17	25	460	3	--	--	TRANE	--	
RTU-2	15	5,800	1,530	1.18	3	176.5	138.1	80	67	105	329.0	259.2	41	50	460	3	11.80	--	TRANE	YHJ180MSAM
RTU-6	4	1,600	220	0.70	1	47.1	35.3	80	67	105	63.6	50.9	14	20	460	3	13	--	TRANE	YHJ0474RXA
RTU-7	6	2,400	470	0.90	3	71.3	55.6	80	67	105	120.0	97.2	18	20	460	3	12.10	--	TRANE	YHJ0724SAM
RTU-8	3	1,200	130	0.50	0.75	31.2	27.1	78	61	105	60.0	48.0	12	15	460	3	13	--	TRANE	YHJ0374RXA
RTU-9	3	1,200	90	0.50	0.75	31.1	26.3	78	61	105	60.0	48.0	12	15	460	3	13	--	TRANE	YHJ0374RXA
RTU-10	3	960	15	0.50	0.75	30.7	29.9	84	61	105	60.0	48.0	12	15	460	3	13	--	TRANE	YHJ0374RXA
RTU-S	2	570	55	0.50	1/12	19.0	--	--	105	60.0	48.0	19.5	30	208	1	--	11.5	--	TRANE	4YC2524F

- NOTES:
- EXTERNAL STATIC PRESSURE INCLUDES ALL AIR DEVICES, TERMINAL UNITS, DUCTWORK, FITTINGS, AND DAMPERS WHICH ARE EXTERNAL TO THE AIR HANDLING UNIT. EXT. S.P. DOES NOT INCLUDE FILTERS, COILS, OR FACTORY FABRICATED RETURN AIR PLENUMS.
  - UNITS SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY OPERATING CONTROLS.
  - ALL UNIT COMPRESSORS SHALL BE FULLY MODULATING.
  - PROVIDE EXPANDED METAL HAIL GUARDS ON ALL UNITS.
  - UNITS SHALL BE FURNISHED COMPLETE WITH INSULATED FACTORY FABRICATED ROOF CURBS. ROOF CURB SHALL BE FABRICATED TO MATCH ROOF SLOPE. HEIGHT OF ROOF CURB SHALL BE SUFFICIENT TO PROVIDE REQUIRED CLEARANCES.
  - PROVIDE EACH UNIT 5 TONS AND GREATER WITH FULL ECONOMIZER CYCLE DAMPERS, RELIEF DAMPERS (IF APPLICABLE), AND CONTROLS PER SPECIFICATIONS.
  - INSTALL SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS AS REQUIRED BY LOCAL CODE AND SPECIFICATIONS. SMOKE DETECTORS ARE TO SHUT-OFF UNITS UPON DETECTION OF SMOKE.
  - UNITS SHALL BE PROVIDED WITH A TERMINAL STRIP TO BE CONTROLLED BY THE BUILDING CONTROL SYSTEMS.
  - RTUS THAT BEGIN WITH (E) ARE NOT TO BE REPLACED HAVE BEEN SCHEDULED JUST TO DOCUMENT THE CURRENT INFORMATION THAT IS KNOWN ABOUT THESE UNITS.
  - UNITS WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSOR IN THE SPACES AS SHOWN ON THE DRAWINGS. CO2 SENSOR SHALL BE PROVIDED BY CONTROLS CONTRACTOR.
  - REFRIGERANT TO BE R454B. NO SUBSTITUTIONS.
  - RTUS SHALL BE LABELED FOR 65kV SCRR.

**COOLING TOWER SCHEDULE**

TAG	WATER FLOW (GPM)	DESIGN TEMPERATURES (°F)			FAN MOTOR			MANUFACTURER	MODEL	REMARKS	
		AIR Wb	WATER IN	WATER OUT	QTY/HP (EA)	TOTAL HP	VOLTS				PHASE
CT-1	480	78	100	85	2	6	460	3	BAC	XES15E-1212-07GN	SERVES 250 TON WATER-COOLED CHILLER, CH-1

- NOTES:
- VERIFY THAT THE ROOF OF THE EXISTING CHILLER ROOM CAN SUPPORT THE NEW COOLING TOWER BEFORE PURCHASING OR INSTALLING.
  - PROVIDE EACH MOTOR WITH VARIABLE FREQUENCY DRIVE. ALL MOTORS CONTROLLERS SHALL BE EQUIPPED WITH AEGIS SHAFT GROUNDING RING KIT TO BE INSTALLED BY EQUIPMENT MANUFACTURER OR INSTALLED BY EQUIPMENT MANUFACTURER OR INSTALLED IN THE FIELD BY CONTRACTOR.
  - PROVIDE EACH UNIT WITH INTERIOR MECHANICAL EQUIPMENT PLATFORM AND INTERNAL PLENUM WALKWAY COMPLYING WITH OSHA STANDARDS AND REGULATIONS. PROVIDE WITH FAN DECK LADDER AND GUARD RAILS.
  - PROVIDE SUB-METER IN THE MAKE-UP WATER LINE AT CHILLED WATER SYSTEM DWYER MODEL WNT-A-C OR GREATER. INTEGRATE METERS INTO FIMCS.
  - UNITS SHALL BE RATED AND LABELED FOR 65kV SCRR.

**MECHANICAL PUMP SCHEDULE**

TAG	TYPE	SUCTION SIZE	DISCHARGE SIZE	GPM	HEAD (FT)	MOTOR			MANUFACTURER	MODEL		
						HP	BHP	RPM				
(E) CHWP-2	END SUCTION	--	--	160	50	5	--	--	460 V	3	--	--
CHWP-1	HORIZONTAL SPLIT CASE	4"	6"	500	115	30	19.8	1800	480 V	3	Bell & Gossett	e-HSC 4x6x13
CWP-1	HORIZONTAL SPLIT CASE	4"	6"	480	50	20	14.8	1800	480 V	3	Bell & Gossett	e-HSC 4x6x10

**DUCTLESS SPLIT AIR CONDITIONING UNIT SCHEDULE**

TAG	LOCATION	SUPPLY CFM	INDOOR UNIT						OUTDOOR UNIT											
			E.A.T.		COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	ELECTRICAL		MANUFACTURER	MODEL NO.	ELECTRICAL		AMBIENT TEMP. (°F)	MIN. SEER	MANUFACTURER	MODEL NO.				
			Db (°F)	Wb (°F)			VOLTS	PHASE			MCA	MOCP					VOLTS	PHASE		
DSS-1	TEACHERS LOUNGE 163	690	80	67	18,000	19,000	208	1	LG	LSN180HFV3	CU-1	18,000	15	20	208	1	105	17	LG	LSU180HFV3
DSS-2	STORAGE ROOM 174	883	80	67	33,000	35,200	208	1	LG	LSN363HLV3	CU-2	29,515	23	30	208	1	105	19	LG	LSU363HLV3
DSS-3	MDP 155	883	80	67	33,000	35,200	208	1	LG	LSN363HLV3	CU-3	29,515	23	30	208	1	105	19	LG	LSU363HLV3

NOTES:

- UNIT HAS SINGLE POINT POWER CONNECTION. INDOOR UNIT IS POWERED VIA THE OUTDOOR UNIT. INSTALLING CONTRACTOR SHALL PROVIDE AND INSTALL LOCAL DISCONNECT FOR INDOOR UNIT AS REQUIRED BY CODE.
- UNIT SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY OPERATING CONTROLS.
- UNIT SHALL BE FURNISHED WITH WALL MOUNTED, WIRED PROGRAMMABLE THERMOSTAT MODEL NO. PREMTB10U.
- THE NET COOLING CAPACITIES SHALL BE THE UNIT CAPACITIES IMMEDIATELY DOWNSTREAM OF THE UNIT DISCHARGE. THIS CAPACITY SHALL INCLUDE ANY INTERNAL HEAT GAIN IN THE UNIT, I.E. FAN HEAT, ETC.
- ALL DUCTLESS UNITS TO BE PROVIDED WITH FAILURE ALARM.

**VFD SCHEDULE**

TAG	LOCATION	SERVING	ENCLOSURE	HP	VOLTS</
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**CONTRACTOR CANNOT ORDER NEW EQUIPMENT UNLESS THEY VERIFY WITH THE NEW EQUIPMENT POWER REQUIREMENT IS COMPATIBLE WITH THE EXISTING CIRCUIT AVAILABLE.**

**SHEET NOTES:**  
 1. ANY EQUIPMENT THAT BEGINS WITH (E) IS EXISTING EQUIPMENT THAT IS NOT TO BE REPLACED.

COMM. NO. 1287  
 DATE 10/17/2024  
 DRAWN RT  
 CHECKED ILB

WATER HEATER SCHEDULE (GAS)									
TAG	LOCATION	INPUT (MBH)	VOLTS	PHASE	TANK STORAGE GALLONS	GPH @ 70°F RISE (140° F OUT)	MANUFACTURER	MODEL NO.	
B-1	BOILER 187	700	120	1	130	1152	PVI Industries, LLC	70 L 130A-GCML	

NOTES:

- PROVIDE SHUTOFF VALVE ON HOT AND COLD WATER LINE IF NONE ARE PRESENT.
- RECONNECT TO EXISTING WATER LINES. UTILIZE EXISTING EXPANSION TANK, IF NOT POSSIBLE, PROVIDE EXPANSION TANK EQUAL TO AMTROL ST-12.
- RECONNECT TO EXISTING CONCENTRIC FLUE SYSTEM. IF NOT POSSIBLE, PROVIDE WITH MANUFACTURER'S CONCENTRIC VENT KIT.
- PROVIDE W/ MANUFACTURER'S CONDENSATE ACID NEUTRALIZATION KIT.
- BOILER INSPECTION IS TO BE COORDINATED BY THE CONTRACTOR.

WATER HEATER SCHEDULE (ELECTRIC)									
TAG	LOCATION	KW INPUT	VOLTS	PHASE	TANK STORAGE GALLONS	GPH @ 80°F RISE (140° F OUT)	MANUFACTURER	MODEL NO.	
WH-1	BOILER ROOM 150B	4.5	208	1	90	23	A. O. Smith	DEN-40	

NOTES:

- PROVIDE SHUTOFF VALVE ON HOT AND COLD WATER LINE.
- PROVIDE EXPANSION TANK EQUAL TO AMTROL ST-05.
- ELEMENTS SHALL BE WIRED NON-SIMULTANEOUS.

GREASE INTERCEPTOR SCHEDULE										
TAG	CAPACITY (GALLONS)	GREASE CAPACITY	WEIGHT (LBS)	LENGTH	WIDTH	HEIGHT	INLET FLOW HEIGHT	OUTLET FLOW HEIGHT	MANUFACTURER	MODEL NO.
GT-1	3,500	8,000	38,550	13'-0"	7'-0"	8'-6"	7'-3"	7'-0"	PARK	GT-3500

NOTES:

- PROVIDE GREASE INTERCEPTOR WITH MANUFACTURER'S SERVICE ALERT PANEL. SERVICE ALERT PANEL SHALL NOTIFY OF GREASE MAXIMUM CAPACITY WITH AUDIBLE AND VISUAL ALARM AND SHALL BE LOCATED NEAR LOADING DOCK. CONFIRM IF EXISTING PANEL CAN BE REUSED PRIOR TO ORDERING NEW PANEL.
- PROVIDE GREASE INTERCEPTOR WITH SAMPLE WELL.

PLUMBING FIXTURE SCHEDULE									
TAG	FIXTURE	C	H	W	V	DESCRIPTION			
WC-1	WATER CLOSET, WALL HUNG FLUSH VALVE, ACCESSIBLE	1"	-	4"	2"	AMERICAN STANDARD #3351.101, VITREOUS CHINA (1.28 GPF) ELONGATED TOILET WITH TOP SPUD, SLOAN ROYAL #1111.28 (1.28 GPF) MANUAL FLUSH VALVE, CHURCH #9500CT OPEN FRONT SEAT WITH STA-TITE HINGES, TOP OF SEAT 17-1/2" AFF. INSTALL WITH URETHANE GASKET AND HEAVY-DUTY WALL CARRIER.			
L-1	LAVATORY, WALL HUNG ACCESSIBLE	1/2"	1/2"	2"	2"	AMERICAN STANDARD #3353.012, VITREOUS CHINA WALL-HUNG LAVATORY WITH CONCEALED ARMS SUPPORT, 1&S BRASS #EC-3103 (0.35 GPM) CENTERSET LESS POP-UP, HARD-WIRED, ULTRA LOW FLOW FAUCET, PROVIDE AND INSTALL FAUCET WITH P/AC TRANSFORMER LOCATED ABOVE CEILING, ADJUST FAUCET RUNNING TIME TO BETWEEN 20 AND 30 SECONDS, GRID STRAINER & P-TRAP, ADA INSULATION PACKAGE.			
S-1	SINGLE COMPARTMENT SINK COUNTERTOP, ACCESSIBLE	1/2"	1/2"	2"	2"	ELKAY #EKD-31-22-80-2, 18 GA. STAINLESS STEEL 31"X22"X6" DEEP COUNTERTOP SINK WITH 2 FAUCET HOLES, DRAIN OPENING TO BE IN THE CENTER REAR LOCATION, 1&S BRASS #B-1141-04 FAUCET WITH LEVER HANDLES, GOOSENECK SPOUT, AERATOR, GRID STRAINER AND P-TRAP, ADA INSULATION PACKAGE.			
FD-1	FLOOR DRAIN	-	-	SEE PLAN	2"	WATTS #FD-100-A, COATED CAST IRON WITH ADJUSTABLE ROUND NIKALOX STRAINER, FLOOR DRAIN SHALL HAVE INSIDE CAULK CONNECTION AND 1/2" PRIMER TRAP OR POSET TRAP GUARD.			
FS-1	FLOOR SINK	-	-	SEE PLAN	2"	WATTS #FS-730 CAST IRON 12"X12"X6" DEEP SINK WITH ACID-RESISTANT COATING, FLANGE AND ALUMINUM INTERNAL DOME STRAINER, PROVIDE NIKALOX 1/2" GRATE, PROVIDE 1/2" PRIMER TRAP OR POSET TAP GUARD.			

NOTES:

- ALL FIXTURES SHALL MEET LOW WATER CONSUMPTION REQUIREMENTS.
- PROVIDE STOPS AT ALL FIXTURES.
- PROVIDE A COMPLETE PROSET TRAP GUARD OR TRAP PRIMER SYSTEM FOR ALL FLOOR DRAINS OUTSIDE OF THE KITCHEN AREA AS REQUIRED BY LOCAL CODE. PROVIDE A COMPLETE TRAP PRIMER SYSTEM FOR ALL FLOOR DRAINS SERVING THE KITCHEN AS REQUIRED BY LOCAL CODE.
- ACCESSIBLE FIXTURES SHALL BE MOUNTED AND INSTALLED PER ADA & TAS.
- FIELD VERIFY TRAP PRIMER QUANTITY AND LOCATION TO COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS FOR DRAINAGE PIPE SLOPING.
- PROVIDE FLOOR MOUNTED CARRIERS FOR ALL WALL MOUNTED FIXTURES.
- PROVIDE TRUE-BRO "LAV-GUARD" INSULATION KIT FOR EXPOSED PIPING AT ALL ACCESSIBLE SINKS AND LAVS.

FAN SCHEDULE																
TAG	SERVICE	LOCATION	CFM	T.S.P.	MAX SONES	FAN TYPE	WHEEL			MOTOR			CONTROL	MANUFACTURER	MODEL NO.	
							TYPE	DIA.	DRIVE	RPM	HP/WATTS	VOLTS				PHASE
(E) EF-8	BOILER ROOM	ROOF	--	--	--	DOWNBLAST	--	--	--	--	--	--	--	Loren Cook Company	--	
(E) EF-9	KITCHEN EXHAUST HOOD	ROOF	2,500	--	--	UPBLAST	--	--	BELT	1725	1 HP	460	3	Loren Cook Company	--	
EF-1	GIRLS 173	ROOF	450	0.25	2.8	DOWNBLAST	BI	12	DIRECT	1050	1/8 HP	115	1	KEY SWITCH	Loren Cook Company	12010CD
EF-2	BOYS 162	ROOF	450	0.25	2.8	DOWNBLAST	BI	12	DIRECT	1050	1/8 HP	115	1	KEY SWITCH	Loren Cook Company	12010CD
EF-3	GIRLS 171 & BOYS 172	ROOF	1,000	0.25	6.8	DOWNBLAST	BI	12	DIRECT	1550	1/4 HP	115	1	KEY SWITCH	Loren Cook Company	120C15D
EF-4	BOYS 170	ROOF	450	0.25	2.8	DOWNBLAST	BI	12	DIRECT	1050	1/8 HP	115	1	KEY SWITCH	Loren Cook Company	12010CD
EF-5	GIRLS 169	ROOF	450	0.25	2.8	DOWNBLAST	BI	12	DIRECT	1050	1/8 HP	115	1	KEY SWITCH	Loren Cook Company	12010CD
EF-6	TOILETS 164 & 165	ROOF	200	0.25	3.8	DOWNBLAST	BI	10	DIRECT	1050	1/25 HP	115	1	KEY SWITCH	Loren Cook Company	100C10CH
EF-7	NORTHWEST RR LEVEL 1 & LEVEL 2	ROOF	1,200	0.50	10.1	DOWNBLAST	BI	12	DIRECT	1404	1/4 HP	120	1	KEY SWITCH	Loren Cook Company	120C15D
EF-A	SINGLE RESTROOM	SINGLE RESTROOM	100	0.25	1.5	CEILING MOUNTED	FC	14	DIRECT	1550	1/8 HP	115	1	W/LIGHTS	Loren Cook Company	GC-148

NOTES:

- STATIC PRESSURE INCLUDES GRILLES, DUCTWORK AND DAMPERS.
- FANS SHALL HAVE BACKDRAFT DAMPERS. ROOF FANS SHALL HAVE ALUMINUM BIRD SCREENS.
- ROOF MOUNTED FANS SHALL HAVE FACTORY BUILT, SOUND ATTENUATING ROOF CURBS COMPATIBLE WITH THE ROOFING SYSTEM.

EXISTING RELIEF FAN SCHEDULE															
TAG	SERVICE	LOCATION	T.S.P.	CFM	MAX SONES	FAN TYPE	WHEEL			MOTOR			CONTROL	MANUFACTURER	MODEL NO.
							TYPE	DIA.	DRIVE	RPM	HP	VOLTS			
(E) RF-B	RELIEF	ROOF	0.50	14,000	--	ROOF MOUNTED	--	--	--	5	460	3	VFD/INTERLOCKED WITH AHJ/E	GREENHECK	--
(E) RF-C	RELIEF	ROOF	1.00	6,750	--	ROOF MOUNTED	--	--	--	3	460	3	VFD/INTERLOCKED WITH AHJ/F	GREENHECK	--
(E) RF-D	RELIEF	ROOF	1.25	8,500	--	ROOF MOUNTED	--	--	--	1.5	460	3	PRESSURESTAT	GREENHECK	--
(E) RF-E	RELIEF	ROOF	0.50	14,000	--	ROOF MOUNTED	--	--	--	3	460	3	PRESSURESTAT	GREENHECK	--
(E) RF-F	RELIEF	ROOF	0.50	8,300	--	ROOF MOUNTED	--	--	--	1.5	460	3	PRESSURESTAT	GREENHECK	--
(E) RF-G	RELIEF	ROOF	0.50	13,500	--	ROOF MOUNTED	--	--	--	3	460	3	PRESSURESTAT	GREENHECK	--
(E) RF-H	RELIEF	ROOF	0.50	17,500	--	ROOF MOUNTED	--	--	--	3	460	3	PRESSURESTAT	GREENHECK	--
(E) RF-I	RELIEF	ROOF	0.50	9,600	--	ROOF MOUNTED	--	--	--	1.5	460	3	PRESSURESTAT	GREENHECK	--
(E) RF-J	RELIEF	ROOF	0.50	9,450	--	ROOF MOUNTED	--	--	--	1.5	460	3	PRESSURESTAT	GREENHECK	--

BACKFLOW PREVENTER SCHEDULE					
TAG	LOCATION	SIZE	MANUFACTURER	MODEL NO.	REMARKS
DCV-1	BOILER ROOM 150B	4"	WATTS	LF709	DOUBLE CHECK VALVE IS TO BE REPLACED AS ADD-ALTERNATE.

PLUMBING PUMP SCHEDULE									
TAG	TYPE	GPM	HEAD (FT)	MOTOR			MANUFACTURER	MODEL NO.	
				HP	RPM	VOLTS			
CP-1	IN-LINE	5	25	.33	3300	120 V	1	Ball & Gossett	NBF-45
CP-2	IN-LINE	5	25	.33	3300	120 V	1	Ball & Gossett	NBF-45
CP-3	IN-LINE	5	25	.33	3300	120 V	1	Ball & Gossett	NBF-45

THERMOSTATIC MIXING VALVE SCHEDULE						
TAG	LOCATION	DISCHARGE TEMPERATURE (°F)	MAX FLOW RATE (GPM)	PRESSURE DROP (PSI)	MANUFACTURER	MODEL
TMV-1	BOILER ROOM 187	115	42	5.00	POWERS	LFSH1434

NOTES:

- ALL THERMOSTATIC MIXING VALVE SHALL HAVE A MINIMUM ACTIVATION FLOW OF 0.5 GPM
- TMV-1 SHALL BE ASSE 1017 CERTIFIED

PRESSURE REDUCING VALVE SCHEDULE					
TAG	LOCATION	PRESSURE		PIPE SIZE	
		INLET	OUTLET	INLET	OUTLET
GPRV-1	ALONG EXTERIOR WALL	5 psi	0Z	2"	4"

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



1108 W. RANDOL MILL ROAD  
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DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
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 TBPELS Firm #44, #10011300, #10011302, #10194146  
 BHB PROJECT # 2023.181.000

MECHANICAL AND PLUMBING SCHEDULES  
**MP-5.02**



**COMcheck Software Version COMcheckWeb**  
**Mechanical Compliance Certificate**

**Project Information**

Energy Code: 2021 IECC  
 Project Title: DISD Cowart Elementary School Renovation  
 Location: Dallas, Texas  
 Climate Zone: 2a  
 Project Type: Alteration

Construction Site: 1515 Ravinia Dr., Dallas, Texas 75211  
 Owner/Agent:  
 Designer/Contractor: Richard Tran, Baird, Hampton, & Brown, 6300 Ridgela Pl., Suite 700, Fort Worth, Texas 76116, 817-338-1277, rtran@bhinc.com

**Mechanical Systems List**

**Quantity System Type & Description**

- 1 AHU-2 (Single Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 981 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 572 kBtu/h, Air Economizer  
 Fan System: AHU-2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 2 Supply, Single-Zone VAV, 4725 CFM, 5.0 motor nameplate hp, 1.29 fan energy index  
 FAN 3 Supply, Single-Zone VAV, 4725 CFM, 5.0 motor nameplate hp, 1.29 fan energy index
- 1 AHU-1 (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 373 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 585 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 3 Supply, Multi-Zone VAV, 7000 CFM, 7.5 motor nameplate hp, 1.21 fan energy index  
 FAN 4 Supply, Multi-Zone VAV, 7000 CFM, 7.5 motor nameplate hp, 1.21 fan energy index
- 1 AHU-3 (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 514 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 568 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 5 Supply, Multi-Zone VAV, 8750 CFM, 10.0 motor nameplate hp, 1.30 fan energy index  
 FAN 6 Supply, Multi-Zone VAV, 8750 CFM, 10.0 motor nameplate hp, 1.30 fan energy index
- 1 AHU-4 (Single Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 681 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 521 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-4 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Project Title: DISD Cowart Elementary School Renovation Report date: 11/25/24  
 Data filename: Page: 1 of 16

**Quantity System Type & Description**

- Fans:  
 FAN 7 Supply, Single-Zone VAV, 9600 CFM, 10.0 motor nameplate hp, 1.29 fan energy index
- 1 AHU-A (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 387 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 455 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-A -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 9 Supply, Multi-Zone VAV, 6775 CFM, 10.0 motor nameplate hp, 1.19 fan energy index  
 FAN 10 Supply, Multi-Zone VAV, 6775 CFM, 10.0 motor nameplate hp, 1.19 fan energy index
- 1 AHU-B (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 225 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 303 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-B -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 13 Supply, Multi-Zone VAV, 6000 CFM, 7.5 motor nameplate hp, 5.0 design brake hp (5.0 max. BHP), 1.24 fan energy index  
 FAN 14 Supply, Multi-Zone VAV, 6000 CFM, 7.5 motor nameplate hp, 5.0 design brake hp (5.0 max. BHP), 1.24 fan energy index
- 1 AHU-C (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 394 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 469 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-C -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 16 Supply, Multi-Zone VAV, 7000 CFM, 7.5 motor nameplate hp, 1.19 fan energy index  
 FAN 15 Supply, Multi-Zone VAV, 7000 CFM, 7.5 motor nameplate hp, 1.19 fan energy index
- 1 AHU-D (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 249 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 332 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-D -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 18 Supply, Multi-Zone VAV, 4250 CFM, 5.0 motor nameplate hp, 1.33 fan energy index  
 FAN 17 Supply, Multi-Zone VAV, 4250 CFM, 5.0 motor nameplate hp, 1.33 fan energy index
- 1 AHU-E (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 376 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 530 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-E -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 20 Supply, Multi-Zone VAV, 7000 CFM, 7.5 motor nameplate hp, 1.16 fan energy index  
 FAN 19 Supply, Multi-Zone VAV, 7000 CFM, 7.5 motor nameplate hp, 1.16 fan energy index
- 1 AHU-F (Multiple-Zone):  
 Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 199 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Hydronic Coil, Capacity = 270 kBtu/h, Air Economizer  
 No minimum efficiency requirement applies  
 Fan System: AHU-F -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 21 Supply, Multi-Zone VAV, 3375 CFM, 5.0 motor nameplate hp, 1.27 fan energy index  
 FAN 22 Supply, Multi-Zone VAV, 3375 CFM, 5.0 motor nameplate hp, 1.27 fan energy index

Project Title: DISD Cowart Elementary School Renovation Report date: 11/25/24  
 Data filename: Page: 2 of 16

**Quantity System Type & Description**

- 1 RTU-2 (Single Zone):  
 Heating: 1 each - Central Furnace, Gas, Capacity = 259 kBtu/h  
 Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et, or 80% AFUE  
 Cooling: 1 each - Single Package DX Unit, Capacity = 176 kBtu/h, Air-Cooled Condenser, Air Economizer  
 Proposed Efficiency = 11.90 IER, Required Efficiency = 10.80 IER  
 Proposed Part Load Efficiency = 16.40 SEER2, Required Efficiency = 14.00 IER  
 Fan System: RTU-2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 13 Supply, Single-Zone VAV, 5800 CFM, 3.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
- 1 RTU-6 (Single Zone):  
 Heating: 1 each - Central Furnace, Gas, Capacity = 50 kBtu/h  
 Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et, or 80% AFUE  
 Cooling: 1 each - Single Package DX Unit, Capacity = 47 kBtu/h, Air-Cooled Condenser, Air Economizer  
 Proposed Efficiency = 16.10 SEER2, Required Efficiency = 13.40 SEER2  
 Proposed Part Load Efficiency = 16.40 IER, Required Part Load Efficiency = 0.00  
 Fan System: RTU-6 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 24 Supply, Single-Zone VAV, 1600 CFM, 1.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
- 1 RTU-7 (Single Zone):  
 Heating: 1 each - Central Furnace, Gas, Capacity = 97 kBtu/h  
 Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et, or 80% AFUE  
 Cooling: 1 each - Single Package DX Unit, Capacity = 71 kBtu/h, Air-Cooled Condenser, Air Economizer  
 Proposed Efficiency = 12.10 IER, Required Efficiency = 11.00 IER  
 Proposed Part Load Efficiency = 16.40 IER, Required Part Load Efficiency = 14.60 IER  
 Fan System: RTU-7 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 25 Supply, Single-Zone VAV, 2400 CFM, 3.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
- 1 RTU-8 (Single Zone):  
 Heating: 1 each - Central Furnace, Gas, Capacity = 48 kBtu/h  
 Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et, or 80% AFUE  
 Cooling: 1 each - Single Package DX Unit, Capacity = 31 kBtu/h, Air-Cooled Condenser, Air Economizer  
 Proposed Efficiency = 15.90 SEER2, Required Efficiency = 13.40 SEER2  
 Proposed Part Load Efficiency = 16.40 IER, Required Part Load Efficiency = 0.00  
 Fan System: RTU-8 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 26 Supply, Single-Zone VAV, 1200 CFM, 0.8 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
- 1 RTU-9 (Single Zone):  
 Heating: 1 each - Central Furnace, Gas, Capacity = 48 kBtu/h  
 Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et, or 80% AFUE  
 Cooling: 1 each - Single Package DX Unit, Capacity = 31 kBtu/h, Air-Cooled Condenser, Air Economizer  
 Proposed Efficiency = 15.90 SEER2, Required Efficiency = 13.40 SEER2  
 Proposed Part Load Efficiency = 16.40 IER, Required Part Load Efficiency = 0.00  
 Fan System: RTU-9 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 27 Supply, Single-Zone VAV, 1200 CFM, 0.8 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
- 1 RTU-10 (Single Zone):  
 Heating: 1 each - Central Furnace, Gas, Capacity = 48 kBtu/h  
 Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et, or 80% AFUE  
 Cooling: 1 each - Single Package DX Unit, Capacity = 30 kBtu/h, Air-Cooled Condenser, Air Economizer  
 Proposed Efficiency = 15.90 SEER2, Required Efficiency = 13.40 SEER2  
 Proposed Part Load Efficiency = 16.40 IER, Required Part Load Efficiency = 0.00  
 Fan System: RTU-10 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 28 Supply, Single-Zone VAV, 960 CFM, 0.8 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

Project Title: DISD Cowart Elementary School Renovation Report date: 11/25/24  
 Data filename: Page: 3 of 16

**Quantity System Type & Description**

- fan < 1 HP or < 0.89 kW
- 1 RTU-5 (Single Zone):  
 Heating: 1 each - Central Furnace, Gas, Capacity = 48 kBtu/h  
 Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et, or 80% AFUE  
 Cooling: 1 each - Single Package DX Unit, Capacity = 19 kBtu/h, Air-Cooled Condenser, Air Economizer  
 Proposed Efficiency = 15.20 SEER2, Required Efficiency = 13.40 SEER2  
 Proposed Part Load Efficiency = 16.40 IER, Required Part Load Efficiency = 0.00  
 Fan System: RTU-5 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 39 Supply, Single-Zone VAV, 570 CFM, 0.1 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
- 1 DSS-1 (Single Zone):  
 Split System Heat Pump  
 Heating Mode: Capacity = 19 kBtu/h  
 Proposed Efficiency = 8.90 HSPF2, Required Efficiency = 7.50 HSPF2  
 Cooling Mode: Capacity = 19 kBtu/h  
 Proposed Efficiency = 17.00 SEER2, Required Efficiency = 14.30 SEER2  
 Proposed Part Load Efficiency = 0.00 IER, Required Part Load Efficiency = 0.00  
 Fan System: DSS-1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 30 Supply, Constant Volume, 690 CFM, 0.5 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
- 2 DSS-2, 3 (Single Zone):  
 Split System Heat Pump  
 Heating Mode: Capacity = 35 kBtu/h  
 Proposed Efficiency = 7.90 HSPF2, Required Efficiency = 7.50 HSPF2  
 Cooling Mode: Capacity = 33 kBtu/h  
 Proposed Efficiency = 13.00 SEER2, Required Efficiency = 14.30 SEER2  
 Proposed Part Load Efficiency = 0.00 IER, Required Part Load Efficiency = 0.00  
 Fan System: DSS-2, 3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes
- Fans:  
 FAN 31 Supply, Constant Volume, 883 CFM, 0.9 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
- 1 B-1:  
 Gas Storage Water Heater, Capacity: 130 gallons, Input Rating: 700 kBtu/h w/ Circulation Pump  
 Proposed Efficiency: 97.00 % Et, Required Efficiency: 80.00 % Et
- 1 WH-1:  
 Electric Storage Water Heater, Capacity: 50 gallons w/ Circulation Pump  
 No minimum efficiency requirement applies

**Mechanical Compliance Statement**

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Richard Tran, EIT

Name: Title Signature Date 11/25/2024

Project Title: DISD Cowart Elementary School Renovation Report date: 11/25/24  
 Data filename: Page: 4 of 16

COMM. NO. 1287  
 DATE 10/17/2024  
 DRAWN RT  
 CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH REVISIONS: 1 1 863

PROJECT STATUS: FOR CONSTRUCTION



10816 RANDOL MILL ROAD  
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 FAX: (817) 285-5832  
 WWW.BAIRDHAMPTON.COM  
 TBCE PERMIT #11236



DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 RAVINIA DR., DALLAS, TX 75211

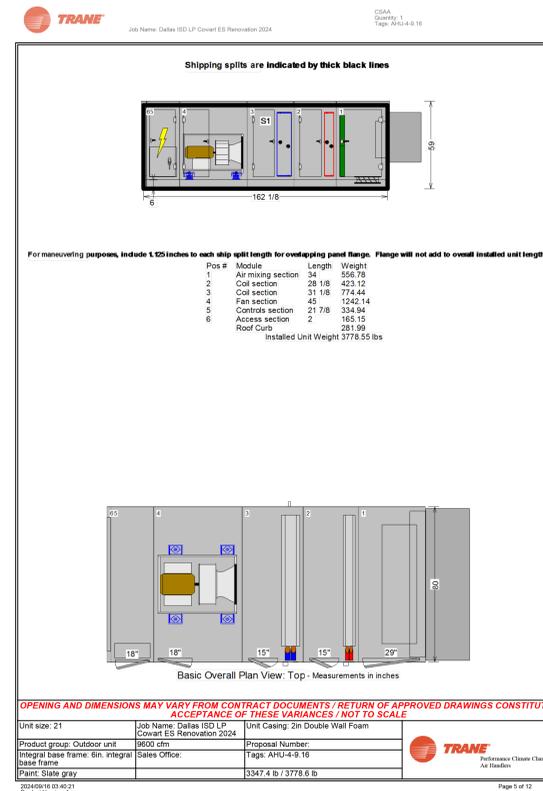
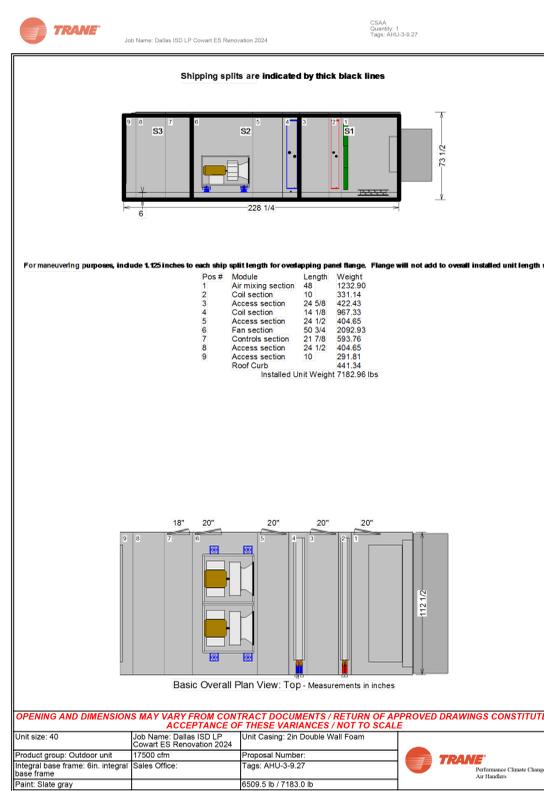
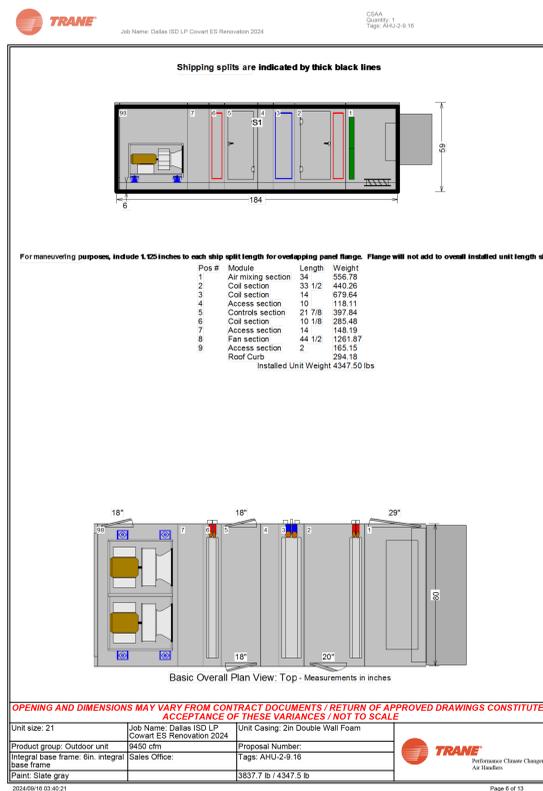
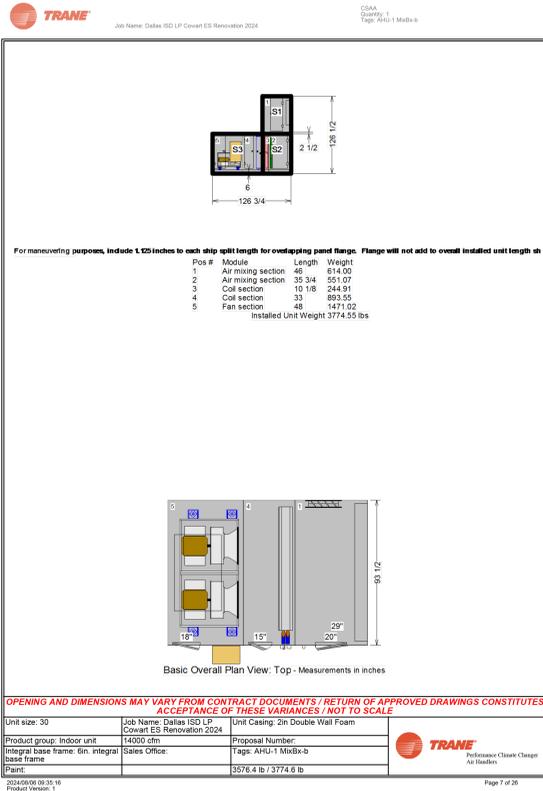
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MP-6.01

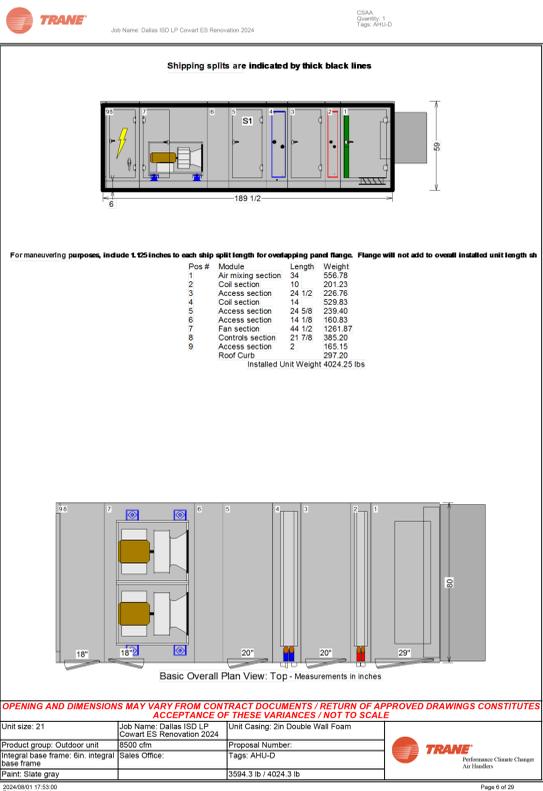
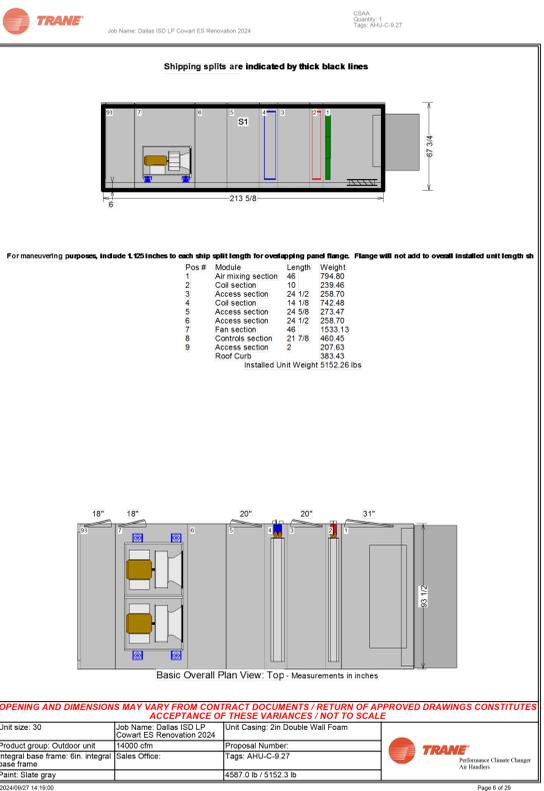
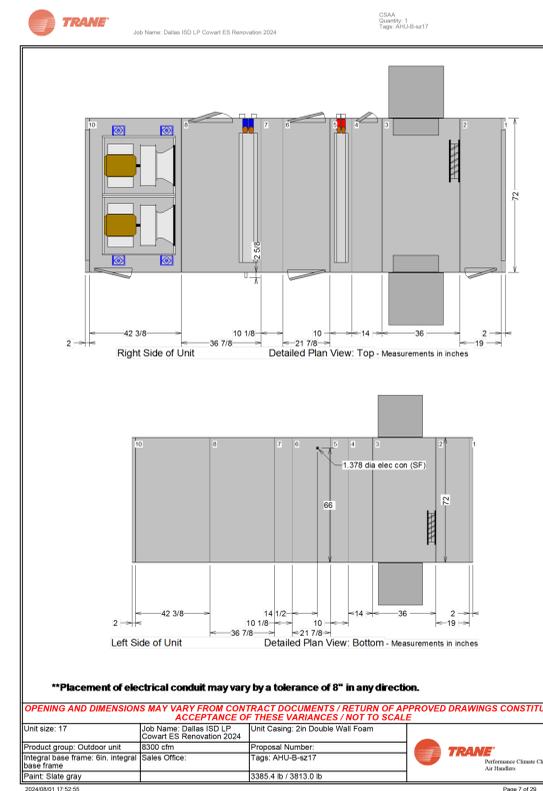
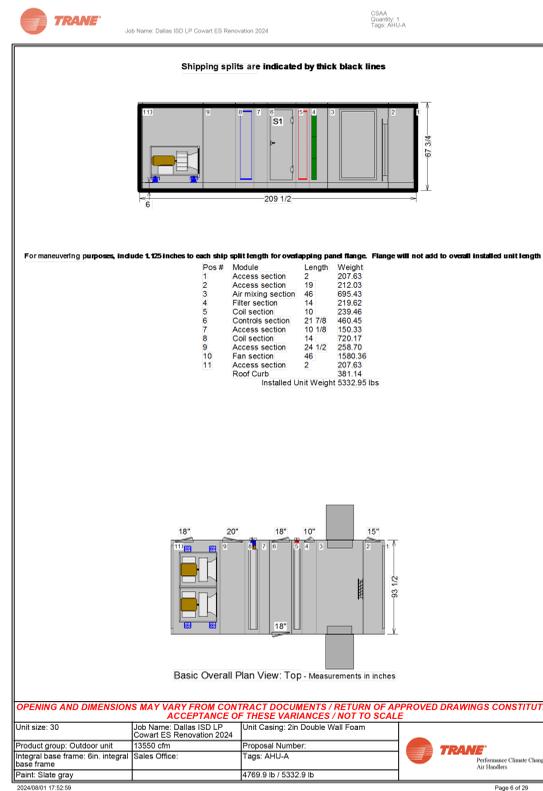


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 TBPELS Firm #44, #10011300, #10011302, #10194146  
 BHB PROJECT # 2023.181.000

**THIS SHEET IS TO SHOW THE OVERALL DIMENSIONS AND WEIGHTS OF THE THE AHU'S.**



FOR AHU-1, CONTRACTOR TO COORDINATE WITH MANUFACTURER TO HAVE THE SMALLEST SHIP SPLIT AS POSSIBLE FOR THE UNIT TO FIT THROUGH THE EXISTING 6' X 7' DOORWAY OR HAVE SECTIONS THAT CAN BE DISASSEMBLED AND REASSEMBLED IN THE MECHANICAL ROOM.



COMM. NO. 1287  
DATE 10/17/2024  
DRAWN RT  
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH  
REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



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TBPELS Firm #44, #10011300, #10011302, #10194146  
BHB PROJECT # 2023.181.000

MECHANICAL EQUIPMENT DETAILS AND DIMENSIONS  
MP-7.01



BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:

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 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 RAVINIA DR., DALLAS, TX 75211

FIRE ALARM PLAN - LEVEL 1 - AREA A  
 FA-1.01

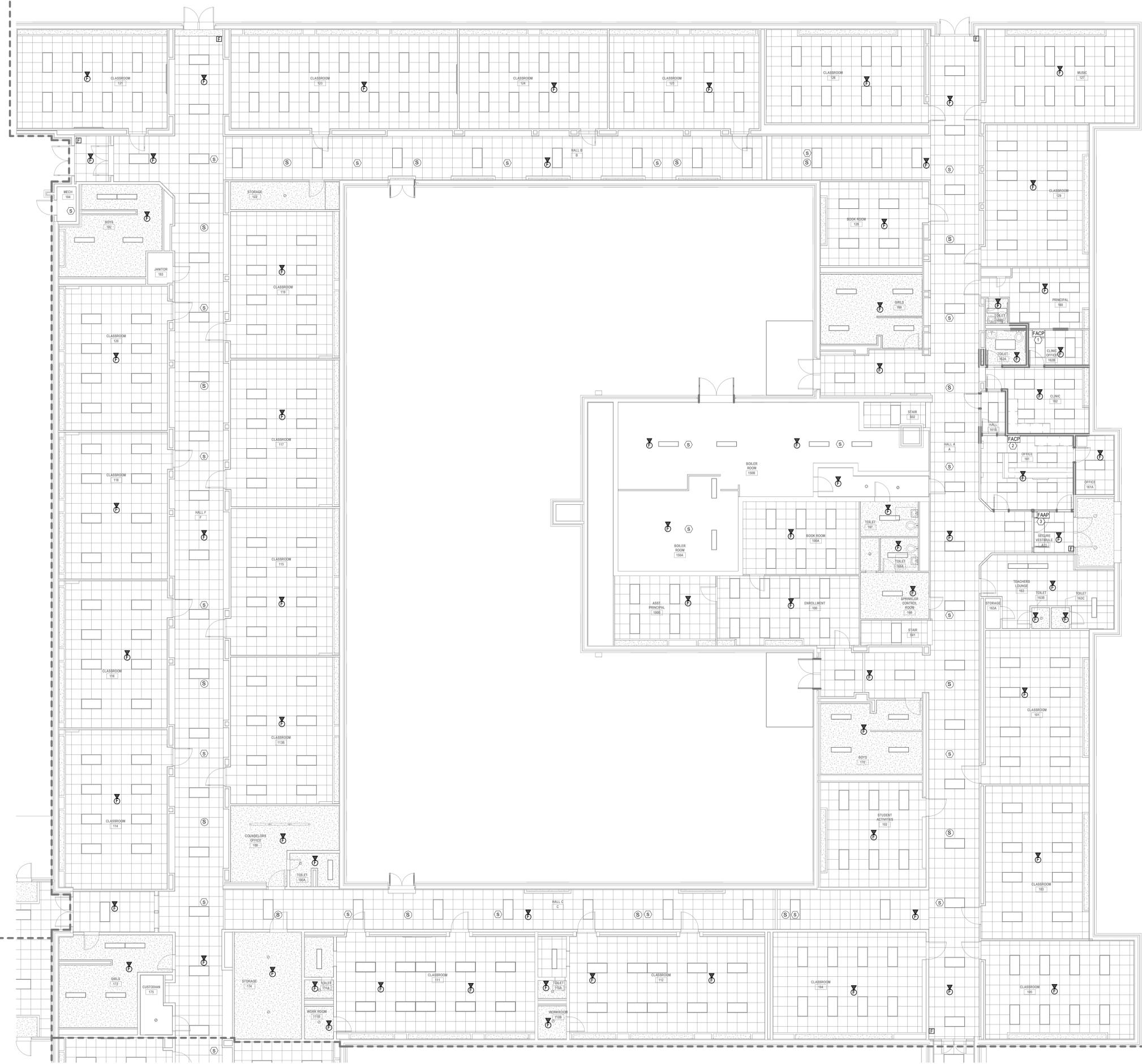
ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
(C)	FIRE ALARM SPEAKERHORN UNIT
(F)	FIRE ALARM PULL STATION
(S)	FIRE ALARM SPEAKER
(SD)	CEILING MTD SMOKE DETECTOR
(HD)	CEILING MOUNTED HEAT DETECTOR
(DD)	DUCT MOUNTED SMOKE DETECTOR

**SHEET NOTES:**

- FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
- SPEAKER AND STROBE FIRE ALARM DEVICES SHALL BE PROVIDED THROUGHOUT THE BUILDING.
- IF THE EXISTING FIRE ALARM SYSTEM IS TO BE TAKEN DOWN AT ALL PRIOR TO THE NEW SYSTEM BEING OPERATIONAL, A FIRE WATCH SHALL BE PROVIDED.
- FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN THE SECURE VESTIBULE.
- AS-BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX NEXT TO THE FAAP.
- FA GREEN TAG AND INSTALLATION STICKER TO BE ATTACHED WITH THE FIRE ALARM PANEL.
- FIRE ALARM DESIGN SYSTEM MUST HAVE AN OVERRIDE FOR ANY SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA. DUCT DETECTORS TO BE POWERED FROM FIRE ALARM SYSTEM AND NOT FROM THE AC UNITS THEY ARE CONNECTED TO.
- CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES INCLUDING BUT NOT LIMITED TO STROBES, PULL STATIONS, DETECTORS, ETC., FOR DISD PICKUP.
- CONTRACTOR TO INCLUDE "RADIO COMMUNICATIONS TESTING" PORTION OF SCOPE AS REQUIRED BY THE CITY OF DALLAS.
- AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FIRE ALARM CONTRACTOR CONNECTS/TERMINATES THE NEW FIRE ALARM WIRING WITH THE ELEVATOR CONTROLLER.
- AN ELEVATOR CONTRACTOR MUST BE PRESENT DURING THE CITY FIRE ALARM INSPECTION.
- PROVIDE PROTECTIVE COVERS FOR SPEAKERS AND FIRE ALARM DEVICES IN GYMNASIUM.
- WHERE REQUIRED PROVIDE DUCT DETECTORS AT MINIMUM OF 10' DOWNSTREAM OF BASE OF ROOF CURB AND BELOW DECKING, IF REPLACING EXISTING DUCT DETECTORS COORDINATE WITH MECHANICAL ON PATCHING APPLICABLE CEILING.
- FIRE ALARM CONTROL PANEL TO BE INSTALLED IN THE MAIN OFFICE.
- PROVIDE MR-01 OR 2410VAC AUDIO RELAY AND 24VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISD AUDIO SYSTEM.
- FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7107P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
- SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.
- SPRINKLER AT TOP OF ELEVATOR SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 16 INCHES OF THE SPRINKLER HEAD. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.

**NOTES BY SYMBOL:** "O"

- EXISTING FIRE ALARM CONTROL PANEL. FIRE ALARM SYSTEM FOR ENTIRE BUILDING SHALL BE REPLACED AND UPGRADED. NEW FIRE ALARM CONTROL PANEL WILL BE INSTALLED WHERE INDICATED ON THIS SHEET.
- PROPOSED LOCATION OF NEW FIRE ALARM CONTROL PANEL.
- EXISTING FAAP TO BE REMOVED AND REPLACED.



1 FIRST FLOOR PLAN - LEVEL 1 - AREA A - FIRE ALARM  
 1/8" = 1'-0"



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 BHB PROJECT # 2023.181.000

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



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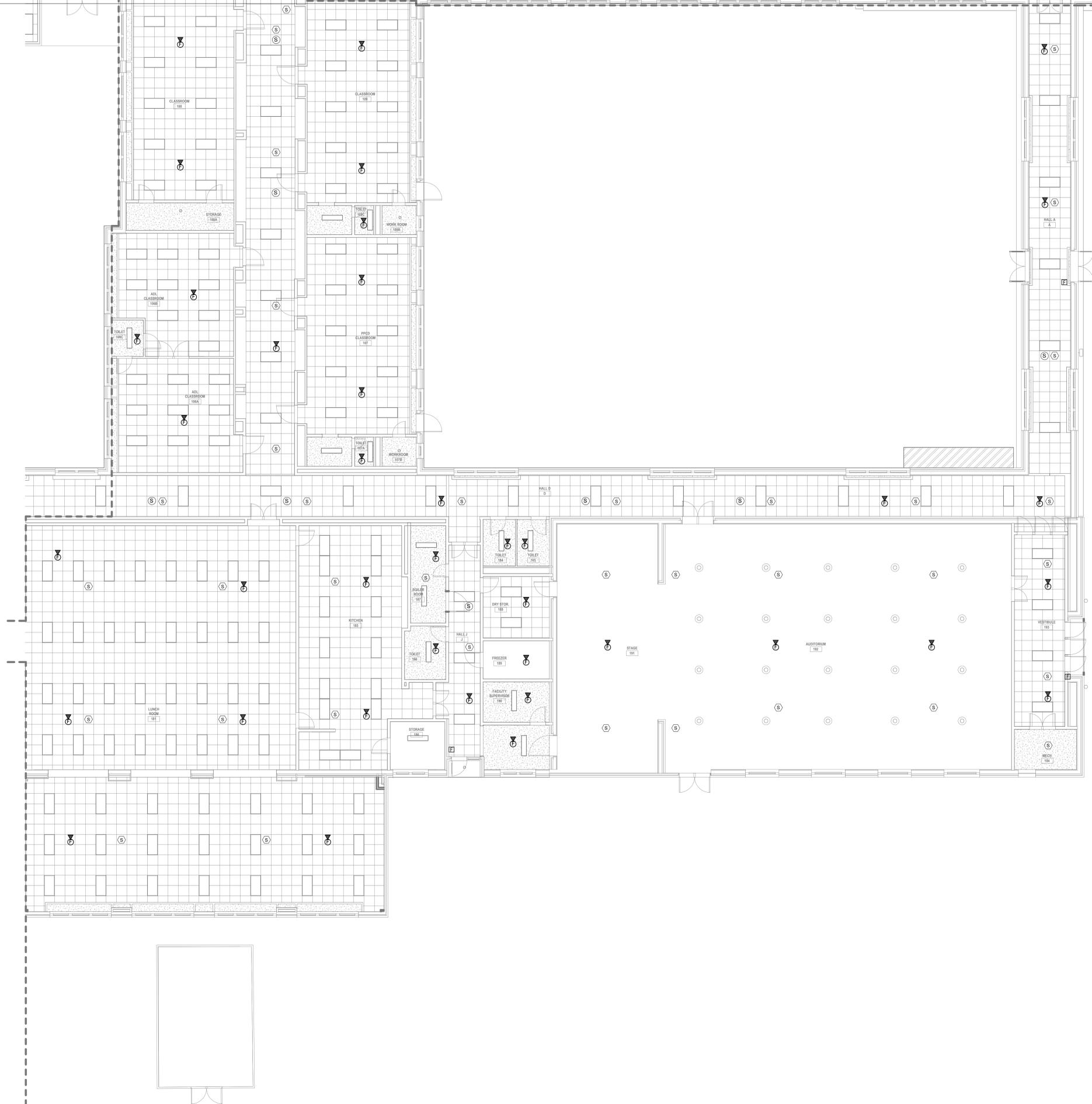
DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 RAVINIA DR., DALLAS, TX 75211

FIRE ALARM PLAN - LEVEL 1 - AREA B  
 FA-1.02

ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
	FIRE ALARM SPEAKER/HORN UNIT
	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER
	CEILING MTD SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	DUCT MOUNTED SMOKE DETECTOR

**SHEET NOTES:**

- FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
- SPEAKER AND STROBE FIRE ALARM DEVICES SHALL BE PROVIDED THROUGHOUT THE BUILDING.
- IF THE EXISTING FIRE ALARM SYSTEM IS TO BE TAKEN DOWN AT ALL PRIOR TO THE NEW SYSTEM BEING OPERATIONAL, A FIRE WATCH SHALL BE PROVIDED.
- FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN THE SECURE VESTIBULE.
- AS-BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX NEXT TO THE FACP.
- FA GREEN TAG AND INSTALLATION STICKER TO BE ATTACHED WITH THE FIRE ALARM PANEL.
- FIRE ALARM DESIGN SYSTEM MUST HAVE AN OVERRIDE FOR ANY SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA. DUCT DETECTORS TO BE POWERED FROM FIRE ALARM SYSTEM AND NOT FROM THE AC UNITS THEY ARE CONNECTED TO.
- CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES INCLUDING BUT NOT LIMITED TO STROBES, PULL STATIONS, DETECTORS, ETC., FOR DISD PICKUP.
- CONTRACTOR TO INCLUDE "RADIO COMMUNICATIONS TESTING" PORTION OF SCOPE AS REQUIRED BY THE CITY OF DALLAS.
- AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FIRE ALARM CONTRACTOR CONNECTS/TERMINATES THE NEW FIRE ALARM WIRING WITH THE ELEVATOR CONTROLLER.
- AN ELEVATOR CONTRACTOR MUST BE PRESENT DURING THE CITY FIRE ALARM INSPECTION.
- PROVIDE PROTECTIVE COVERS FOR SPEAKERS AND FIRE ALARM DEVICES IN GYMNASIUM.
- WHERE REQUIRED PROVIDE DUCT DETECTORS AT MINIMUM OF 10' DOWNSTREAM OF BASE OF ROOF CURB AND BELOW DECKING, IF REPLACING EXISTING DUCT DETECTORS COORDINATE WITH MECHANICAL ON PATCHING APPLICABLE CEILING.
- FIRE ALARM CONTROL PANEL TO BE INSTALLED IN THE MAIN OFFICE.
- PROVIDE MR-01 OR 24/24VAC AUDIO RELAY AND 24VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISD AUDIO SYSTEM.
- FIRE ALARM CONTRACTOR TO PROVIDE AFS DEVICES (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
- SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.
- SPRINKLER AT TOP OF ELEVATOR SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 6 INCHES OF THE SPRINKLER HEAD. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.



1 FIRST FLOOR PLAN - LEVEL 1 - AREA B - FIRE ALARM  
 1/8" = 1'-0"



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ONE INCH

REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



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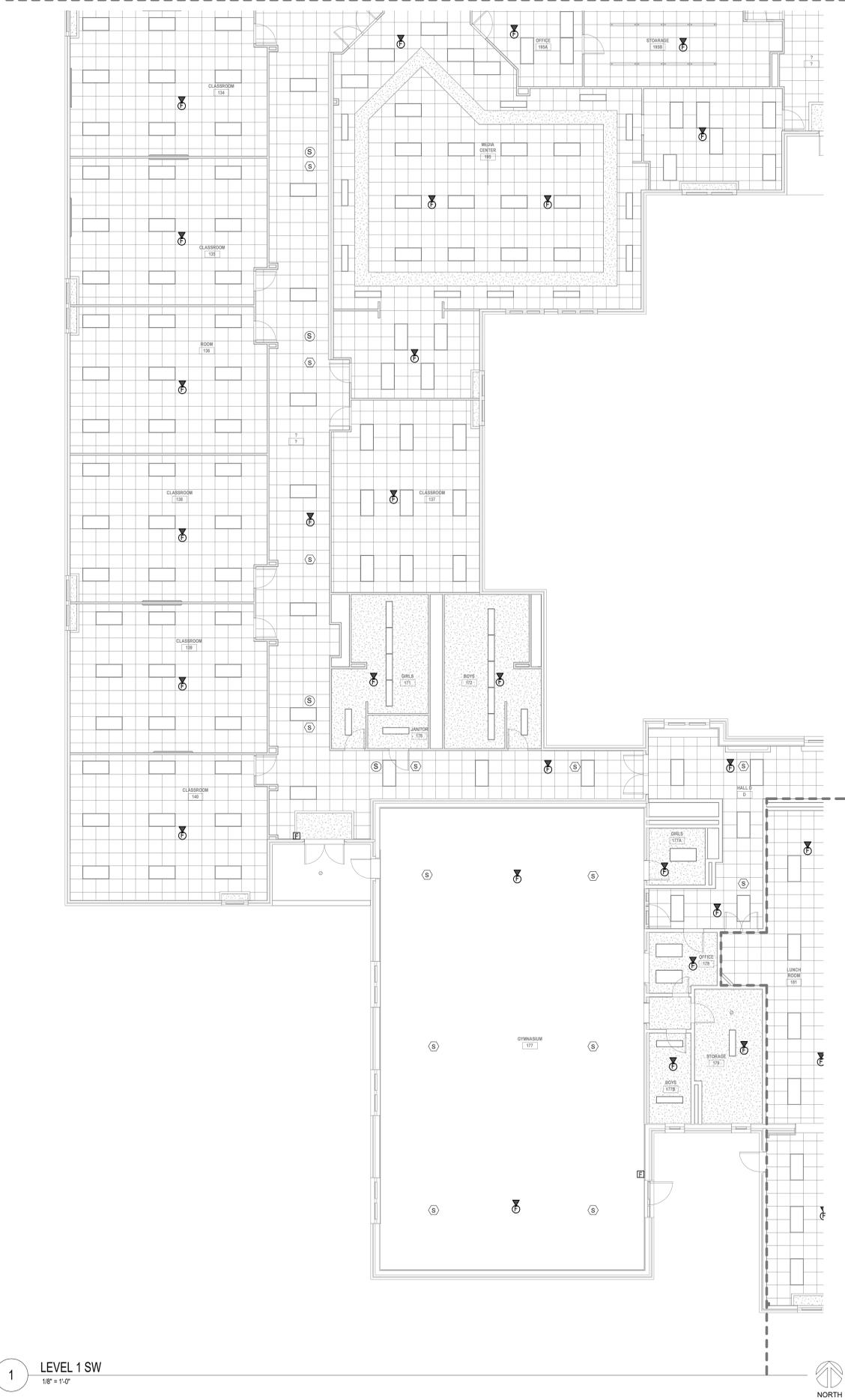
DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 RAVINIA DR., DALLAS, TX 75211

FIRE ALARM PLAN - LEVEL 1 - AREA C  
 FA-1.03

ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
	FIRE ALARM SPEAKERHORN UNIT
	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER
	CEILING MTD SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	DUCT MOUNTED SMOKE DETECTOR

**SHEET NOTES:**

- FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICED ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
- SPEAKER AND STROBE FIRE ALARM DEVICES SHALL BE PROVIDED THROUGHOUT THE BUILDING.
- IF THE EXISTING FIRE ALARM SYSTEM IS TO BE TAKEN DOWN AT ALL PRIOR TO THE NEW SYSTEM BEING OPERATIONAL, A FIRE WATCH SHALL BE PROVIDED.
- FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN THE SECURE VESTIBULE.
- AS-BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX NEXT TO THE FACP.
- FA GREEN TAG AND INSTALLATION STICKER TO BE ATTACHED WITH THE FIRE ALARM PANEL.
- FIRE ALARM DESIGN SYSTEM MUST HAVE AN OVERRIDE FOR ANY SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA.
- DUCT DETECTORS TO BE POWERED FROM FIRE ALARM SYSTEM AND NOT FROM THE AC UNITS THEY ARE CONNECTED TO.
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- AN ELEVATOR CONTRACTOR MUST BE PRESENT DURING THE CITY FIRE ALARM INSPECTION.
- PROVIDE PROTECTIVE COVERS FOR SPEAKERS AND FIRE ALARM DEVICES IN GYMNASIUM.
- WHERE REQUIRED PROVIDE DUCT DETECTORS AT MINIMUM OF 10' DOWNSTREAM OF BASE OF ROOF CURB AND BELOW DECKING. IF REPLACING EXISTING DUCT DETECTORS COORDINATE WITH MECHANICAL ON PATCHING APPLICABLE CEILING.
- FIRE ALARM CONTROL PANEL TO BE INSTALLED IN THE MAIN OFFICE.
- PROVIDE MR-101 OR 24120VAC AUDIO RELAY AND 24VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISD AUDIO SYSTEM.
- FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
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1 LEVEL 1 SW  
 1/8" = 1'-0"



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PROJECT STATUS: FOR CONSTRUCTION



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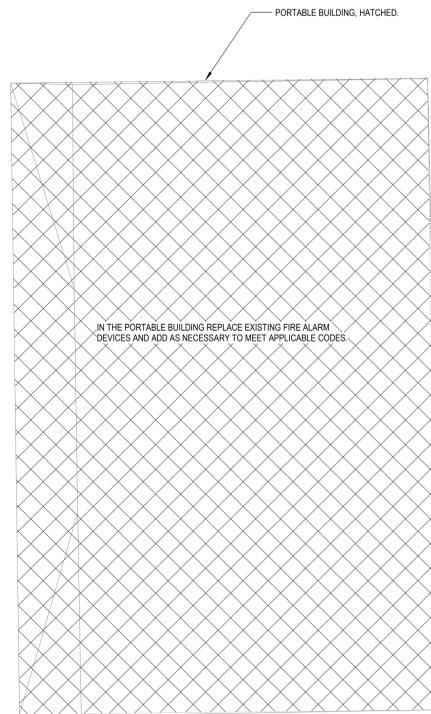
DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 RAVINIA DR., DALLAS, TX 75211

FIRE ALARM PLAN - LEVEL 1 - AREA D AND PORTABLE BUILDING  
 FA-1.04

ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
(F)4	FIRE ALARM SPEAKER/HORN UNIT
(F)1	FIRE ALARM PULL STATION
(S)	FIRE ALARM SPEAKER
(S)	CEILING MTD SMOKE DETECTOR
(H)	CEILING MOUNTED HEAT DETECTOR
(D)	DUCT MOUNTED SMOKE DETECTOR

**SHEET NOTES:**

- FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
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- IF THE EXISTING FIRE ALARM SYSTEM IS TO BE TAKEN DOWN AT ALL PRIOR TO THE NEW SYSTEM BEING OPERATIONAL, A FIRE WATCH SHALL BE PROVIDED.
- FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN THE SECURE VESTIBULE.
- AS-BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX NEXT TO THE FACP.
- FA GREEN TAG AND INSTALLATION STICKER TO BE ATTACHED WITH THE FIRE ALARM PANEL.
- FIRE ALARM DESIGN SYSTEM MUST HAVE AN OVERRIDE FOR ANY SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA. DUCT DETECTORS TO BE POWERED FROM FIRE ALARM SYSTEM AND NOT FROM THE AC UNITS THEY ARE CONNECTED TO.
- CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (INCLUDING BUT NOT LIMITED TO STROBES, PULL STATIONS, DETECTORS, ETC.) FOR DISD PICKUP.
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- AN ELEVATOR CONTRACTOR MUST BE PRESENT DURING THE CITY FIRE ALARM INSPECTION.
- PROVIDE PROTECTIVE COVERS FOR SPEAKERS AND FIRE ALARM DEVICES IN GYMNASIUM.
- WHERE REQUIRED PROVIDE DUCT DETECTORS AT MINIMUM OF 10' DOWNSTREAM OF BASE OF ROOF CURB AND BELOW MECHANICAL ON PATCHING EXISTING DUCT DETECTORS COORDINATE WITH MECHANICAL ON PATCHING APPLICABLE CEILING.
- FIRE ALARM CONTROL PANEL TO BE INSTALLED IN THE MAIN OFFICE.
- PROVIDE MR-101 C/R 24/120VAC AUDIO RELAY AND 24VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISD AUDIO SYSTEM.
- FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-SBULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
- SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.
- SPRINKLER AT TOP OF ELEVATOR SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.



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 BHB PROJECT # 2023.181.000

1 FIRST FLOOR PLAN - LEVEL 1 - AREA D AND PORTABLE BUILDING - FIRE ALARM  
 1/8" = 1'-0"

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



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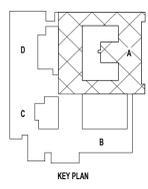
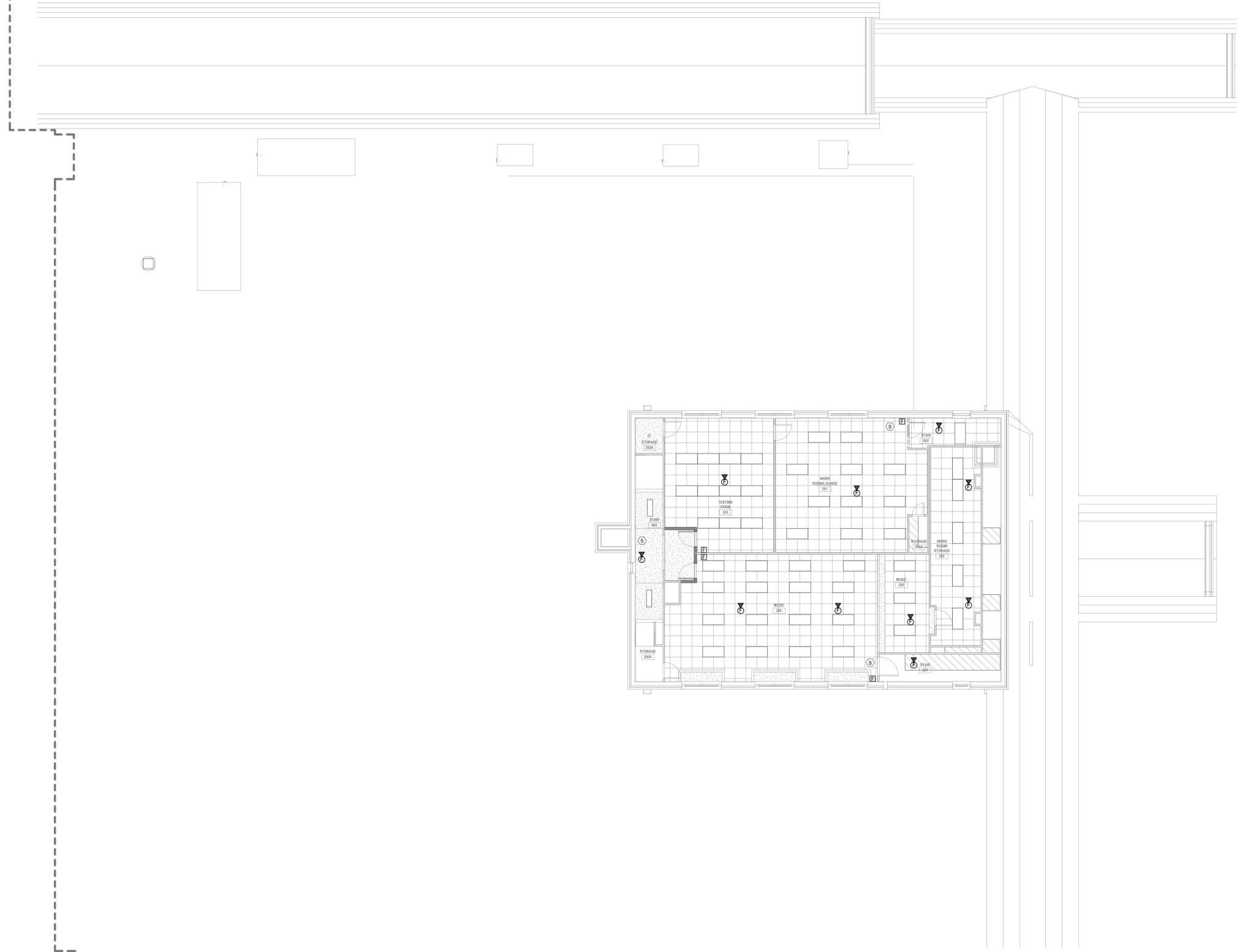
DALLAS INDEPENDENT SCHOOL DISTRICT  
 RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
 1515 RAVINIA DR., DALLAS, TX 75211

FIRE ALARM PLAN - LEVEL 2 - AREA A  
 FA-1.05

ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
	FIRE ALARM SPEAKER/HORN UNIT
	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER
	CEILING MTD SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	DUCT MOUNTED SMOKE DETECTOR

SHEET NOTES:

- FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
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- PROVIDE MR-101 CIR 24/120VAC AUDIO RELAY AND 24VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISO AUDIO SYSTEM.
- FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
- SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.
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Autodesk Docs (DSD) Leila Cowart ESR04\_1207 Cowart\_BHB Content

1 SECOND FLOOR PLAN - LEVEL 2 - AREA A - FIRE ALARM  
 1/8" = 1'-0"

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
 ONE INCH  
 REVISIONS:

PROJECT STATUS: FOR CONSTRUCTION



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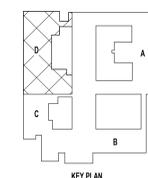
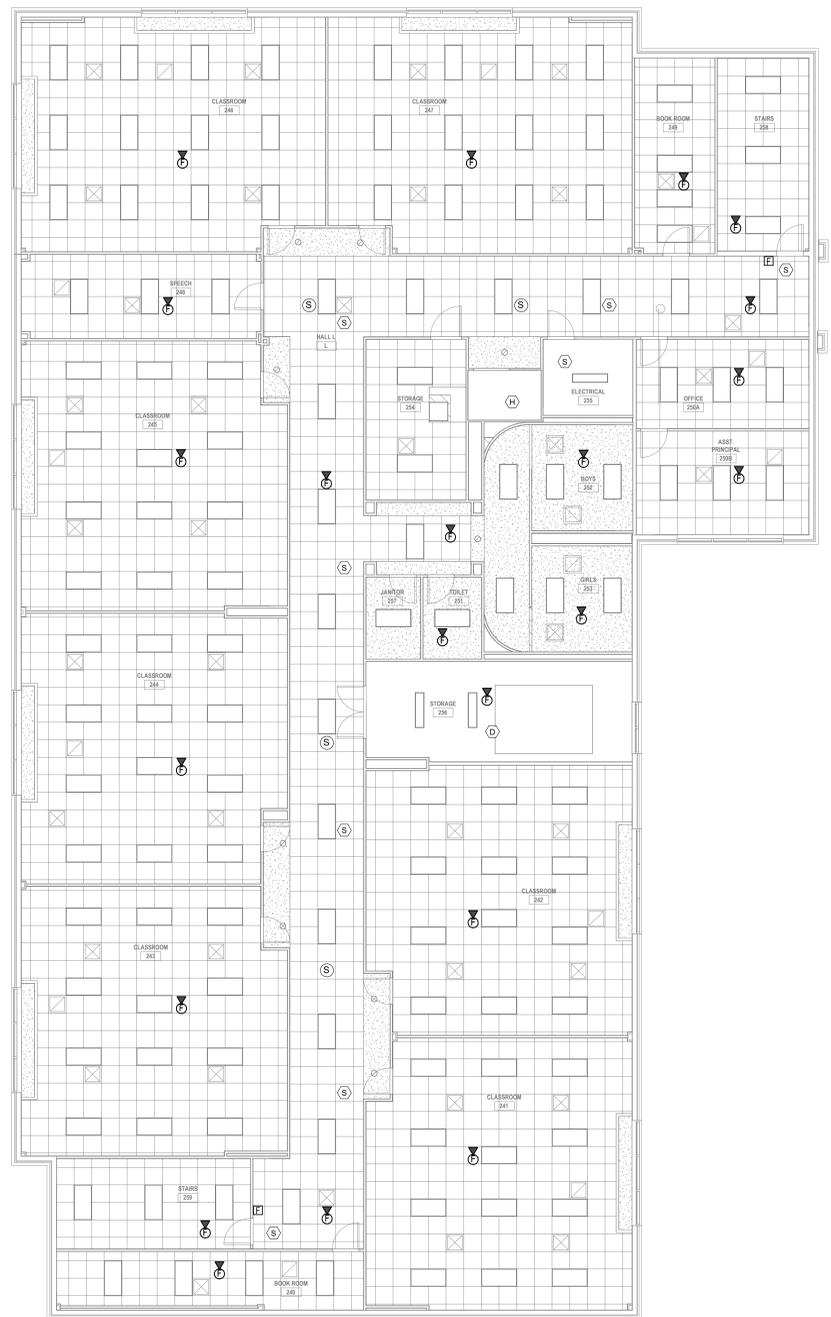
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 1515 RAVINIA DR., DALLAS, TX 75211

FIRE ALARM PLAN - LEVEL 2 - AREA D  
 FA-1.06

ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
(S)	FIRE ALARM SPEAKER/HORN UNIT
(F)	FIRE ALARM PULL STATION
(S)	FIRE ALARM SPEAKER
(S)	CEILING MTD SMOKE DETECTOR
(H)	CEILING MOUNTED HEAT DETECTOR
(D)	DUCT MOUNTED SMOKE DETECTOR

**SHEET NOTES:**

- FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
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- FIRE ALARM CONTRACTOR TO PROVIDE AFS DEVICES (ACS 770IP-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
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- SPRINKLER AT TOP OF ELEVATOR SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.

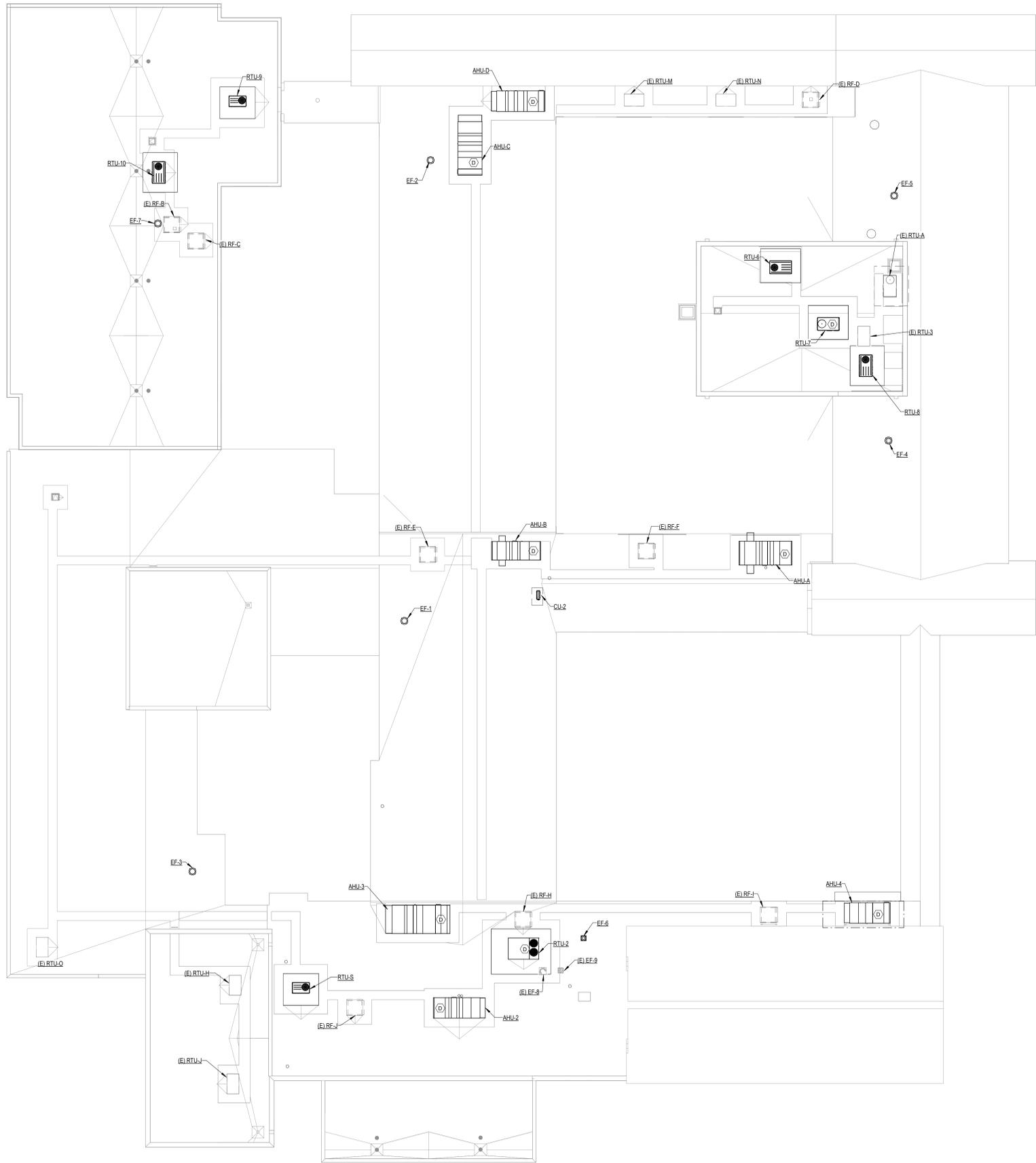


KEY PLAN

1 SECOND FLOOR PLAN - LEVEL 2 - AREA D - FIRE ALARM  
 1/8" = 1'-0"



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ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
	FIRE ALARM SPEAKER/HORN UNIT
	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER
	CEILING MTD SMOKE DETECTOR
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- FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
- SPEAKER AND STROBE FIRE ALARM DEVICES SHALL BE PROVIDED THROUGHOUT THE BUILDING.
- IF THE EXISTING FIRE ALARM SYSTEM IS TO BE TAKEN DOWN AT ALL PRIOR TO THE NEW SYSTEM BEING OPERATIONAL, A FIRE WATCH SHALL BE PROVIDED.
- FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN THE SECURE VESTIBULE.
- AS-BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX NEXT TO THE FACP.
- FA GREEN TAG AND INSTALLATION STICKER TO BE ATTACHED WITH THE FIRE ALARM PANEL.
- FIRE ALARM DESIGN/SYSTEM MUST HAVE AN OVERRIDE FOR ANY SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA.
- DUCT DETECTORS TO BE POWERED FROM FIRE ALARM SYSTEM AND NOT FROM THE AC UNITS THEY ARE CONNECTED TO.
- CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES INCLUDING BUT NOT LIMITED TO STROBES, PULL STATIONS, DETECTORS, ETC.) FOR DISD PICKUP.
- CONTRACTOR TO INCLUDE "RADIO COMMUNICATIONS TESTING" PORTION OF SCOPE AS REQUIRED BY THE CITY OF DALLAS.
- AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FIRE ALARM CONTRACTOR CONNECTS/TERMINATES THE NEW FIRE ALARM WIRING WITH THE ELEVATOR CONTROLLER.
- AN ELEVATOR CONTRACTOR MUST BE PRESENT DURING THE CITY FIRE ALARM INSPECTION.
- PROVIDE PROTECTIVE COVERS FOR SPEAKERS AND FIRE ALARM DEVICES IN GYMNASIUM.
- WHERE REQUIRED PROVIDE DUCT DETECTORS AT MINIMUM OF 10' DOWNSTREAM OF BASE OF ROOF CURB AND BELOW DECKING. IF REPLACING EXISTING DUCT DETECTORS COORDINATE WITH MECHANICAL ON PATCHING APPLICABLE CEILING.
- FIRE ALARM CONTROL PANEL TO BE INSTALLED IN THE MAIN OFFICE.
- PROVIDE MR-101 OR 24VDC AUDIO RELAY AND 2VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISD AUDIO SYSTEM.
- DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE NOT AVAILABLE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
- FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
- SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.
- SPRINKLER AT TOP OF ELEVATOR SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD. REFER TO FIRE PROTECTION SHEETS FP-1.01 AND FP-1.02.

COMM. NO. 1287  
DATE 10/17/2024  
DRAWN NI  
CHECKED PM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY  
ONE INCH  
REVISIONS:

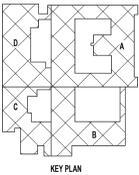
PROJECT STATUS: FOR CONSTRUCTION



1108 W. RANDOL MILL ROAD  
SUITE 300  
ARLINGTON, TEXAS 76012  
FAX (817) 285-5832  
WWW.IBLARCHITECTS.COM  
TSC PRN0187120



DALLAS INDEPENDENT SCHOOL DISTRICT  
RENOVATIONS TO LEILA COWART ELEMENTARY SCHOOL  
1515 RAVINIA DR., DALLAS, TX 75211



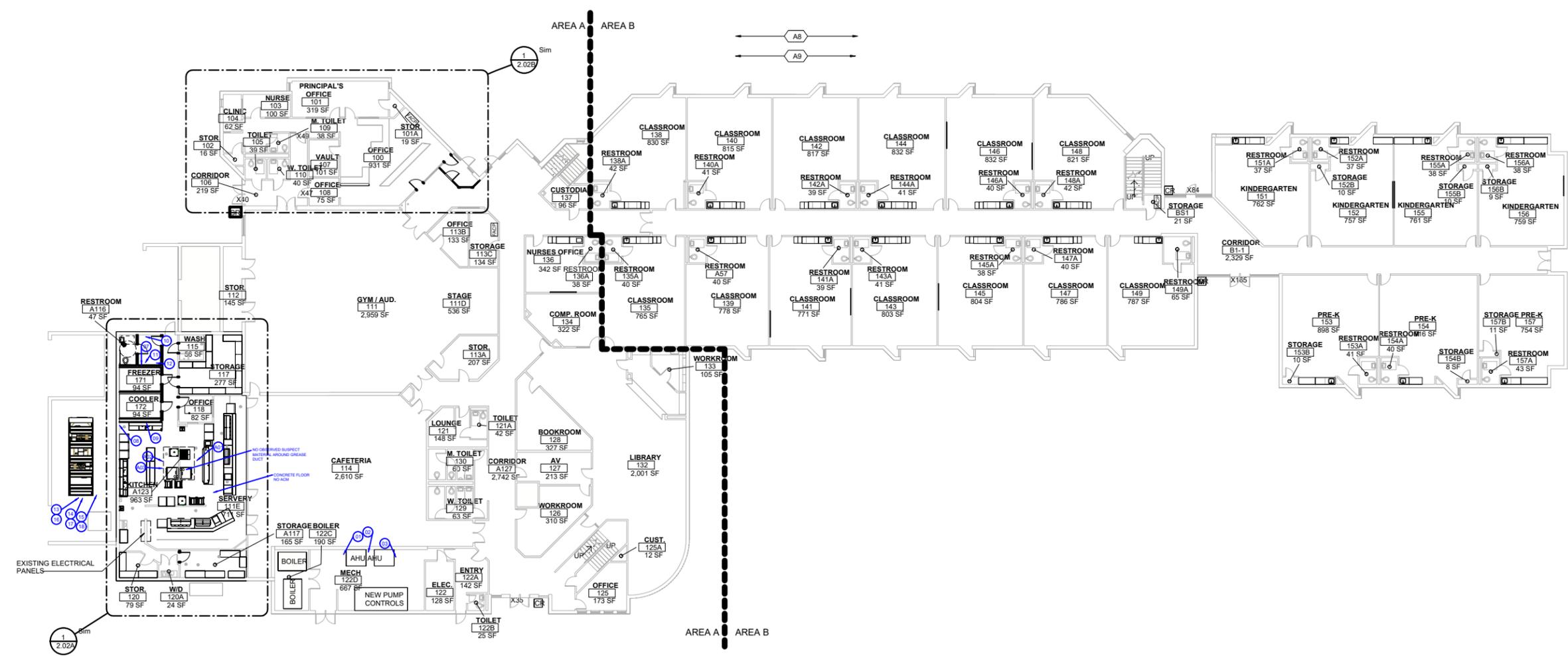
8300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116  
mail@bhinc.com • (817) 338-1277 • bhinc.com  
TBPELS Firm #44, #10011300, #10011302, #10194146  
BHB PROJECT # 2023.181.000

1 OVERALL FIRE ALARM ROOF PLAN  
NTS



General Notes

LEGEND:  
 RED = ACM SAMPLE LOCATIONS  
 BLUE = ND SAMPLE LOCATIONS



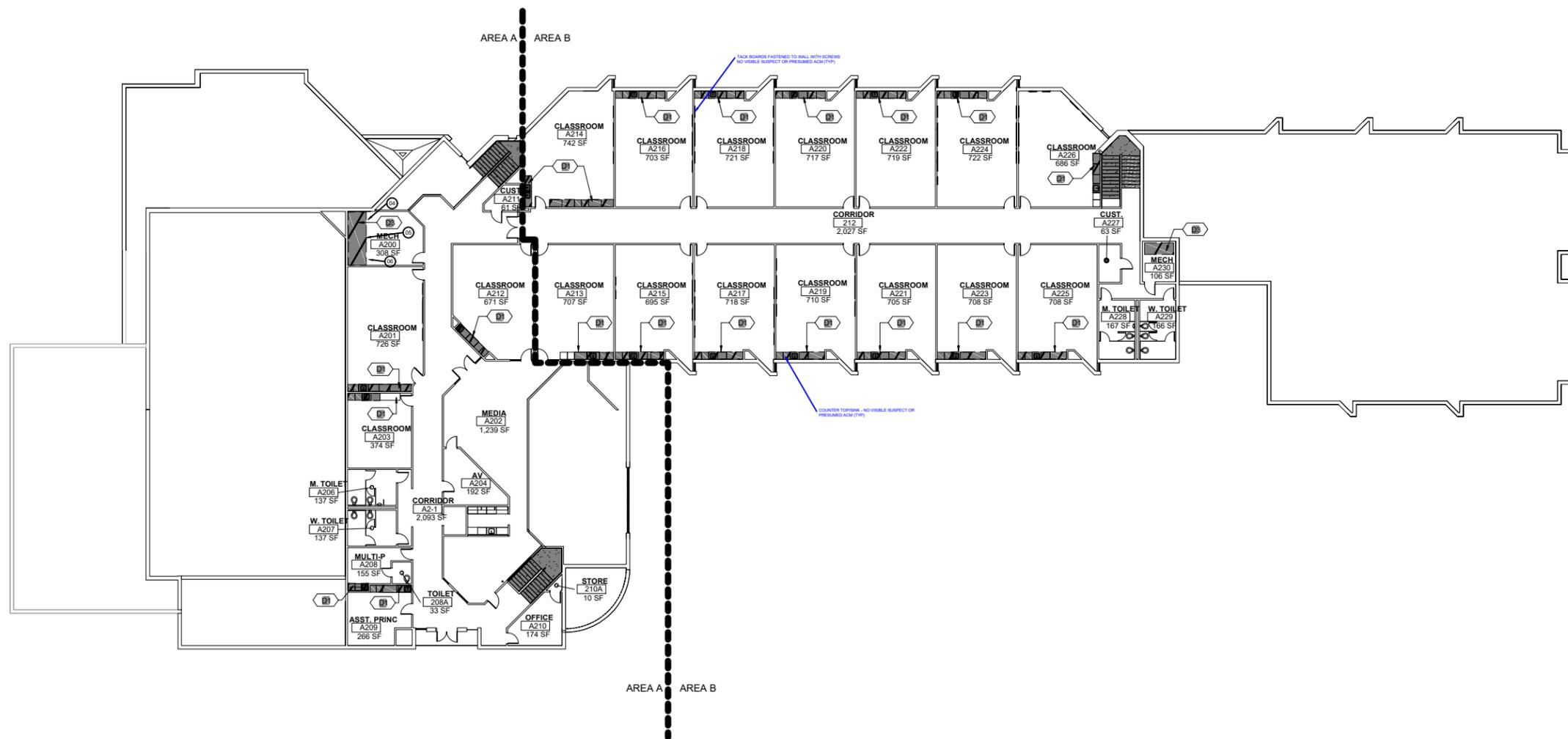
1 OVERALL FLOOR PLAN FIRST FLOOR  
 1/16" = 1'-0"  
 NORTH

No.	Revision/Issue	Date

Firm Name and Address  
 ABACUS ENVIRONMENT INC.  
 5480 LA SIERRA DR.  
 DALLAS, TX

Project Name and Address  
 JAMES BOWIE  
 ELEMENTARY SCHOOL  
 3303 N. MARSALIS AVE  
 DALLAS, TX 75203

Project	ACM SAMPLE LOCATIONS	Sheet	ACM1
Date	09/03/2024		
Scale			



1 DEMOLITION FLOOR PLAN - LEVEL 02  
1/16" = 1'-0"



**General Notes**

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No.	Revision/Issue	Date

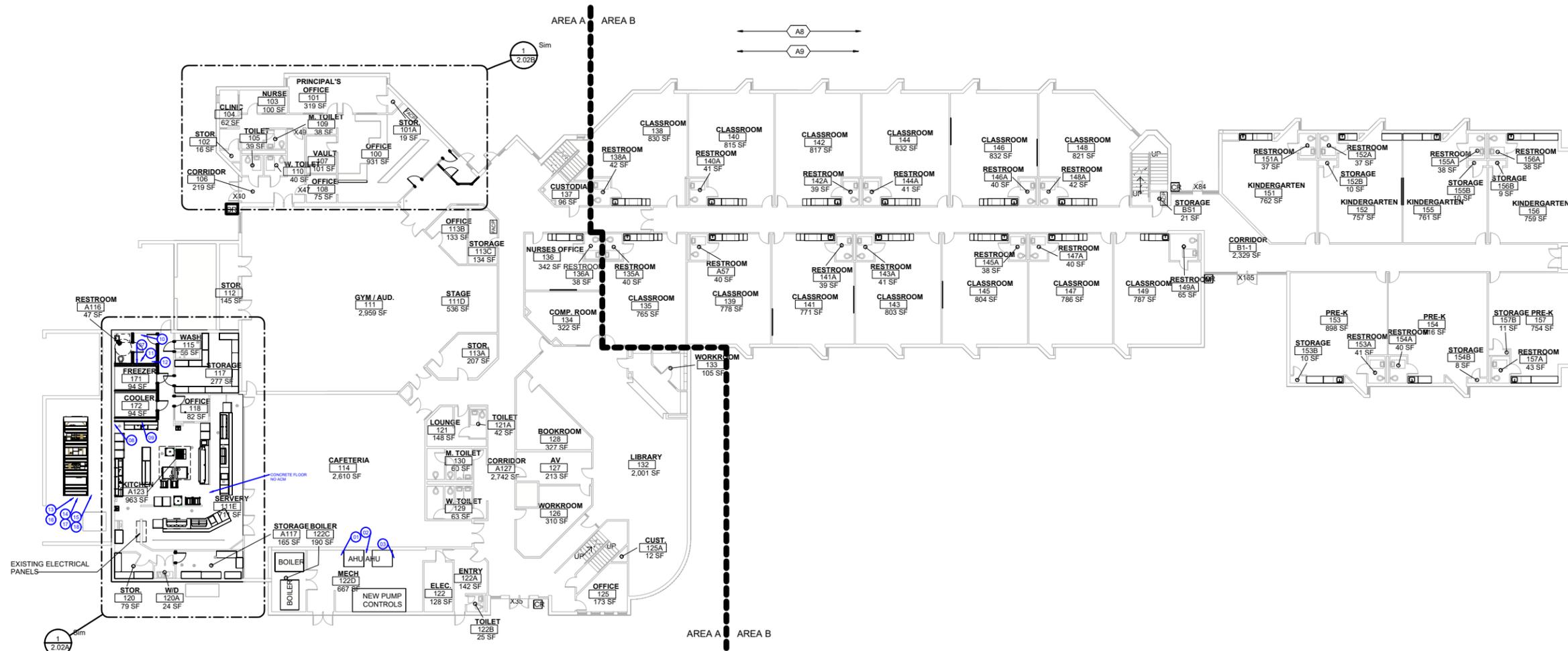
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 ELEMENTARY SCHOOL  
 3303 N. MARSALIS AVE  
 DALLAS, TX 75203

<b>Project</b> ACM SAMPLE LOCATIONS	<b>Sheet</b>
<b>Date</b> 09/03/2024	<b>ACM2</b>
<b>Scale</b>	

General Notes

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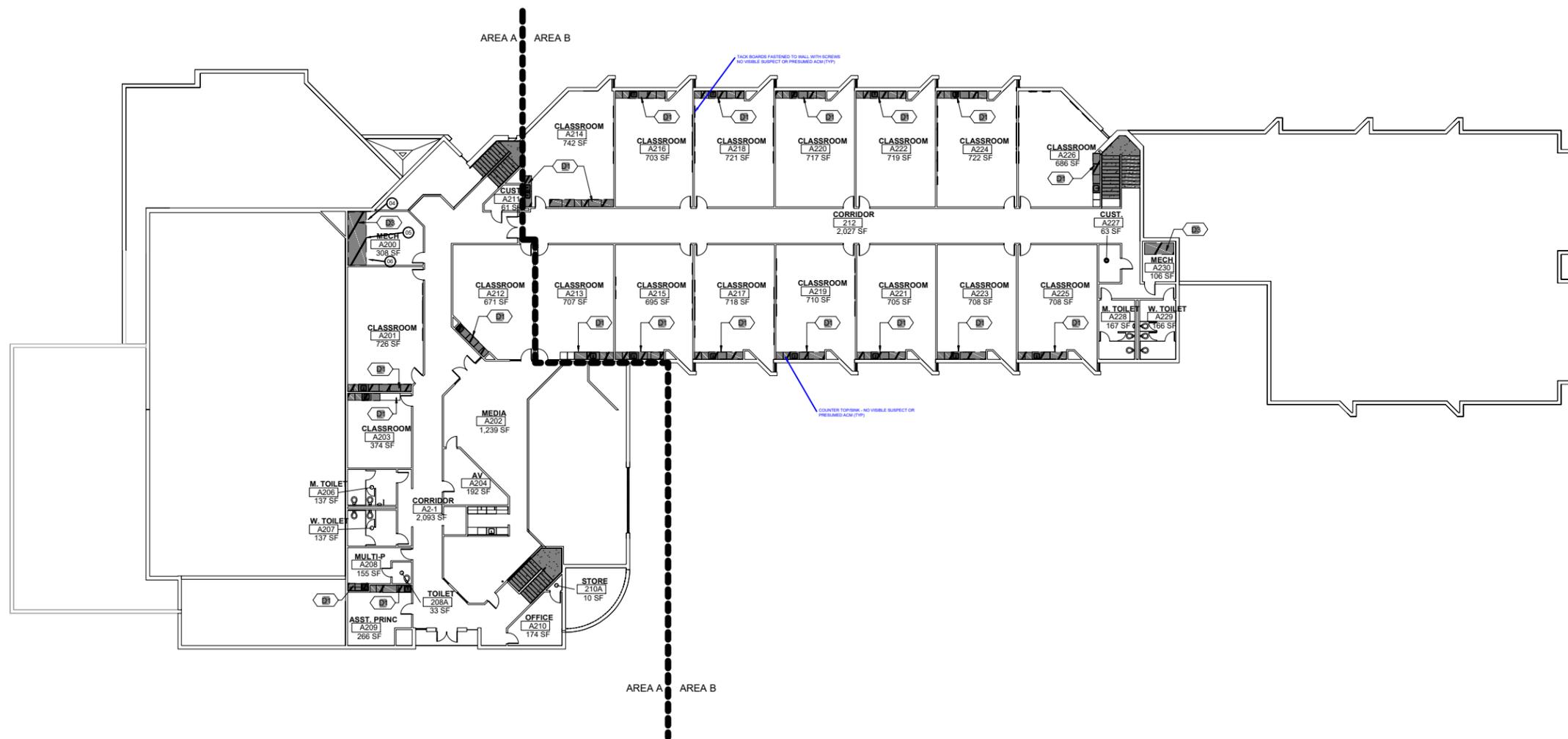
1 OVERALL FLOOR PLAN FIRST FLOOR  
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Project	ACM SAMPLE LOCATIONS	Sheet	ACM1
Date	09/03/2024		
Scale			



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No.	Revision/Issue	Date

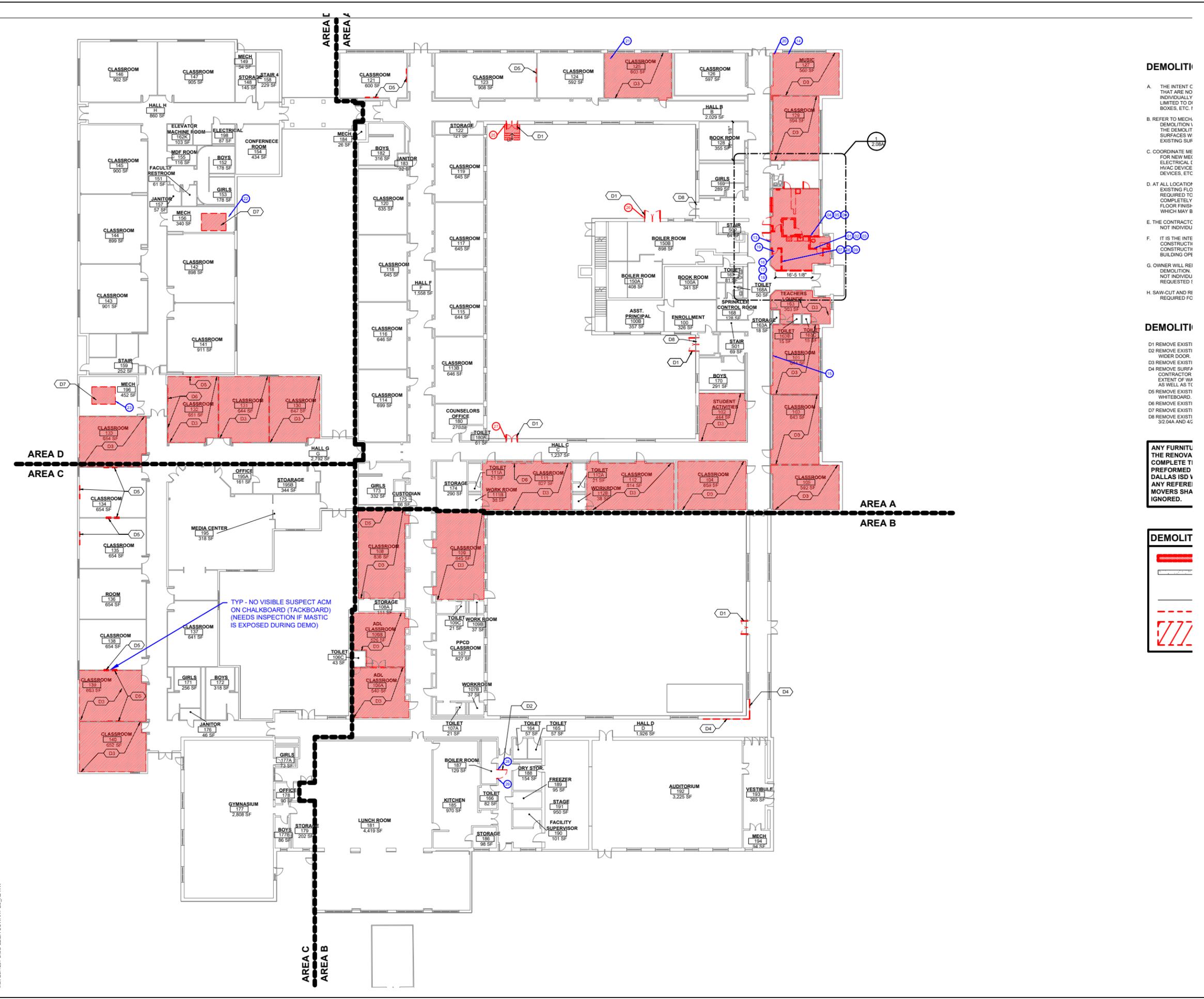
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<b>Project</b> ACM SAMPLE LOCATIONS	<b>Sheet</b> <b>ACM2</b>
<b>Date</b> 09/03/2024	
<b>Scale</b>	

**1** DEMOLITION FLOOR PLAN - LEVEL 02  
 1/16" = 1'-0"





**General Notes**

**LEGEND:**  
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**DEMOLITION**

- A. THE INTENT C THAT ARE NO INDIVIDUALLY LIMITED TO D BOXES, ETC. I
- B. REFER TO MECH DEMOLITION I THE DEMOLIT SURFACES W EXISTING SUF
- C. COORDINATE ME FOR NEW MEI ELECTRICAL I HVAC DEVICE DEVICES, ETC
- D. AT ALL LOCATI EXISTING FLO REQUIRED TO C COMPLETELY FLOOR FINIS WHICH MAY B
- E. THE CONTRACT NOT INDIVIDU
- F. IT IS THE INTE CONSTRUCTI CONSTRUCTI BUILDING OPE
- G. OWNER WILL REI DEMOLITION, NOT INDIVIDU REQUESTED I
- H. SAW-CUT AND RI REQUIRED FC

**DEMOLITION**

- D1 REMOVE EXISTI
- D2 REMOVE EXISTI WIDER DOOR.
- D3 REMOVE EXISTI
- D4 REMOVE EXISTI CONTRACTOR EXTENT OF WA AS WELL AS FC
- D5 REMOVE EXISTI WHITEBOARD.
- D6 REMOVE EXISTI
- D7 REMOVE EXISTI
- D8 REMOVE EXISTI 3/2.04A AND 4/2

**ANY FURNITU THE RENOVATI COMPLETE TI PREFORMED DALLAS ISD I ANY REFERE MOVERS SHA IGNORED.**

**DEMOLITION**



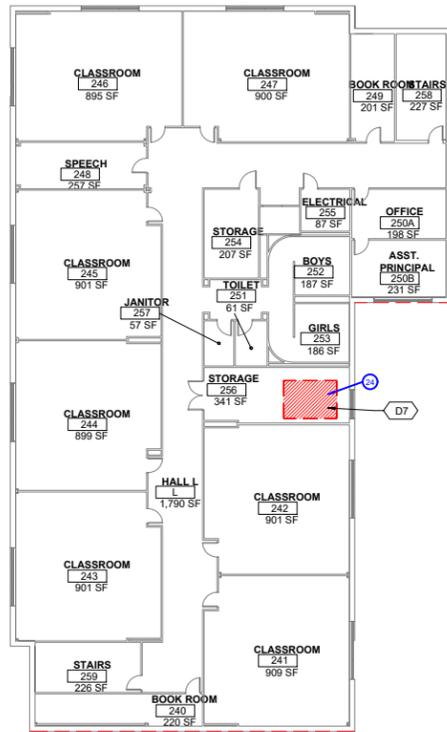
No.	Revision/Issue	Date

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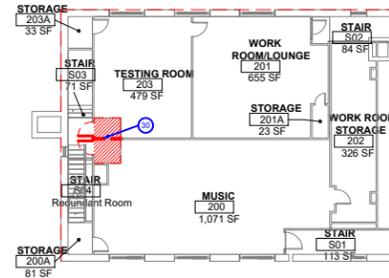
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<b>Project</b> ACM SAMPLE LOCATIONS	<b>Sheet</b> ACM1
<b>Date</b> 09/19/2024	
<b>Scale</b>	

TYP - NO VISIBLE SUSPECT ACM ON CHALKBOARD (TACKBOARD) (NEEDS INSPECTION IF MASTIC IS EXPOSED DURING DEMO)



AREA D  
 AREA A



1 DEMOLITION FLOOR PLAN - LEVEL 2  
 1/16" = 1'-0"



**General Notes**

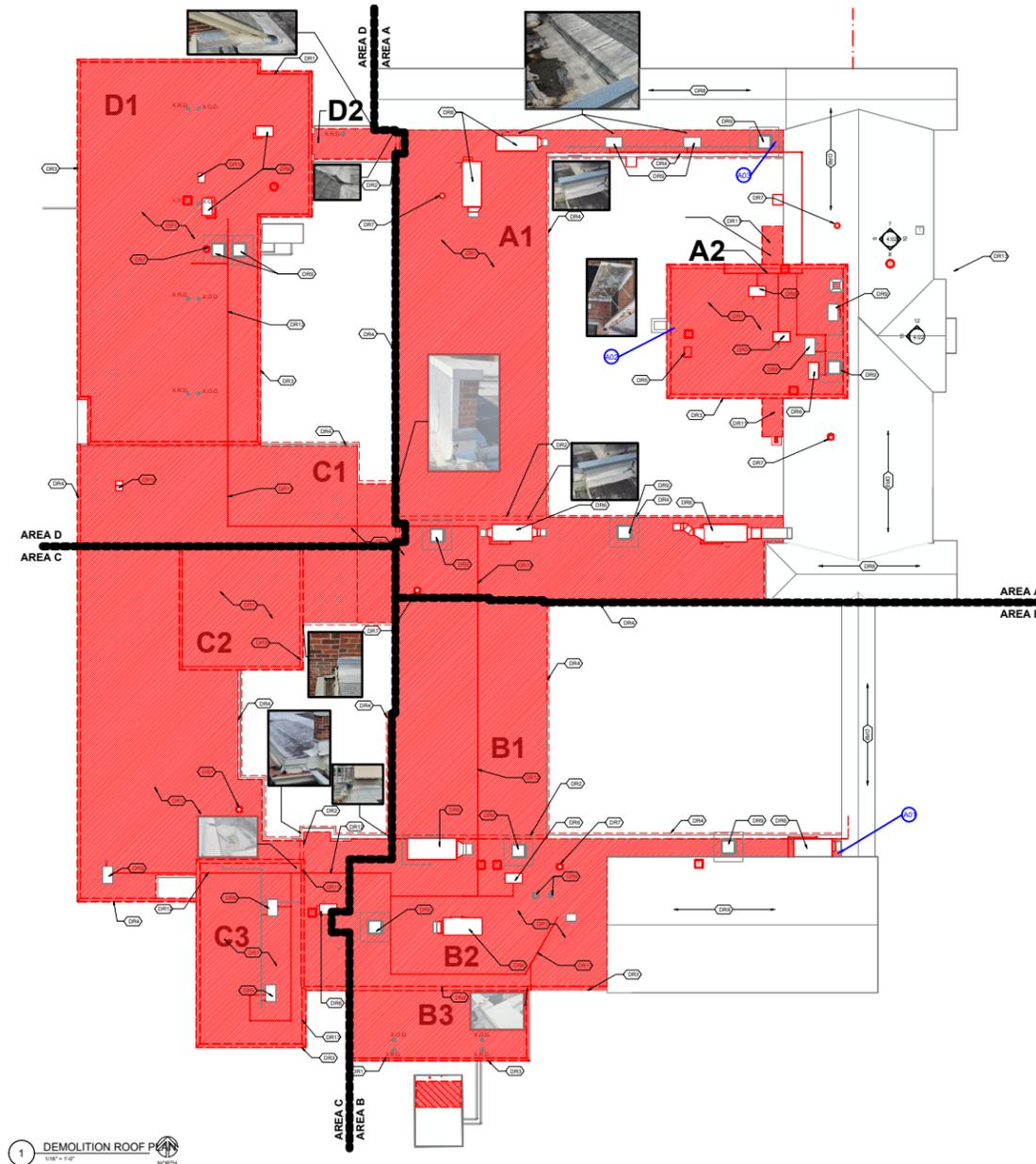
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 DALLAS, TX

**Project Name and Address**  
 LEILA COWART ELEMENTARY SCHOOL  
 1515 S RAVINIA  
 DALLAS, TX 75211

<b>Project</b> ACM SAMPLE LOCATIONS	<b>Sheet</b>
<b>Date</b> 09/19/2024	<b>ACM2</b>
<b>Scale</b>	



1 DEMOLITION ROOF PLAN  
1/8" = 1'-0"  
NORTH

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DALLAS, TX 75211

Project	ACM SAMPLE LOCATIONS	Sheet	ACM3
Date	10/03/2024		
Scale			