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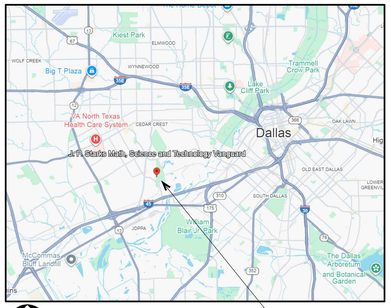
REGISTERED ARCHITECT
BRENT E. KLINE
70976
STATE OF TEXAS
03.25.2026

DALLAS I.S.D. 2020 BOND
JP STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD RENOVATION
ORG. #263
3033 TIPS BLVD
DALLAS, TEXAS, 75216

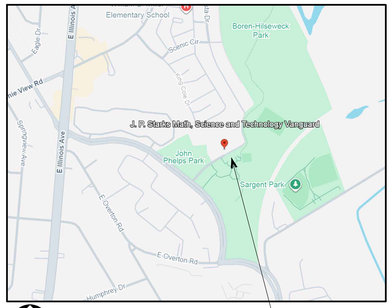
BID SET



VICINITY MAP



LOCATION MAP



SUPERINTENDENT OF SCHOOLS:
Dr. Stephanie Elizalde

BOARD OF TRUSTEES

Joe Carreoon	President, District #8
Ed Turner	1st Vice President, District #9
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Dan Micciche	District #3
Byron Sanders	District #5
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Ben Mackey	District #7

Owner Representative:

Dorian Hasty
Dallas ISD Construction Services

Tel: (972) 925-7299

Program Manager: JACOBS
Project Manager: Vaishali Singh

Tel: (972) 925- 3585

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ROOF CONSULTANT	CIVIL	MEP ENGINEER	ARCHITECT	OWNER
Drytec 8750 N. Central Expressway Suite 725 Dallas, Texas 75231 (972) 363-2192 Contact: Dan DeMeyer	Click Engineering 2218 Bryan St. Suite 150 Dallas, Texas 75201 (214)871-2302 Contact:	Counsel Engineers 5757 Alpha Road Suite 450 Dallas, Texas 75240 (972) 707-3540 Contact: Ben Ostoja	Kline Hardin 1921 SH 121 Suite 250 Lewisville, Texas 75056 (972) 331-5699 Contact: Brent Kline, AIA	Dallas Independent School District - Construction Services 9400 N. Central Expressway Dallas, Texas 75231 (972) 925-7200

DALLAS INDEPENDENT SCHOOL DISTRICT

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J.P. STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD (ORG #263)

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COVER SHEET & SHEET INDEX

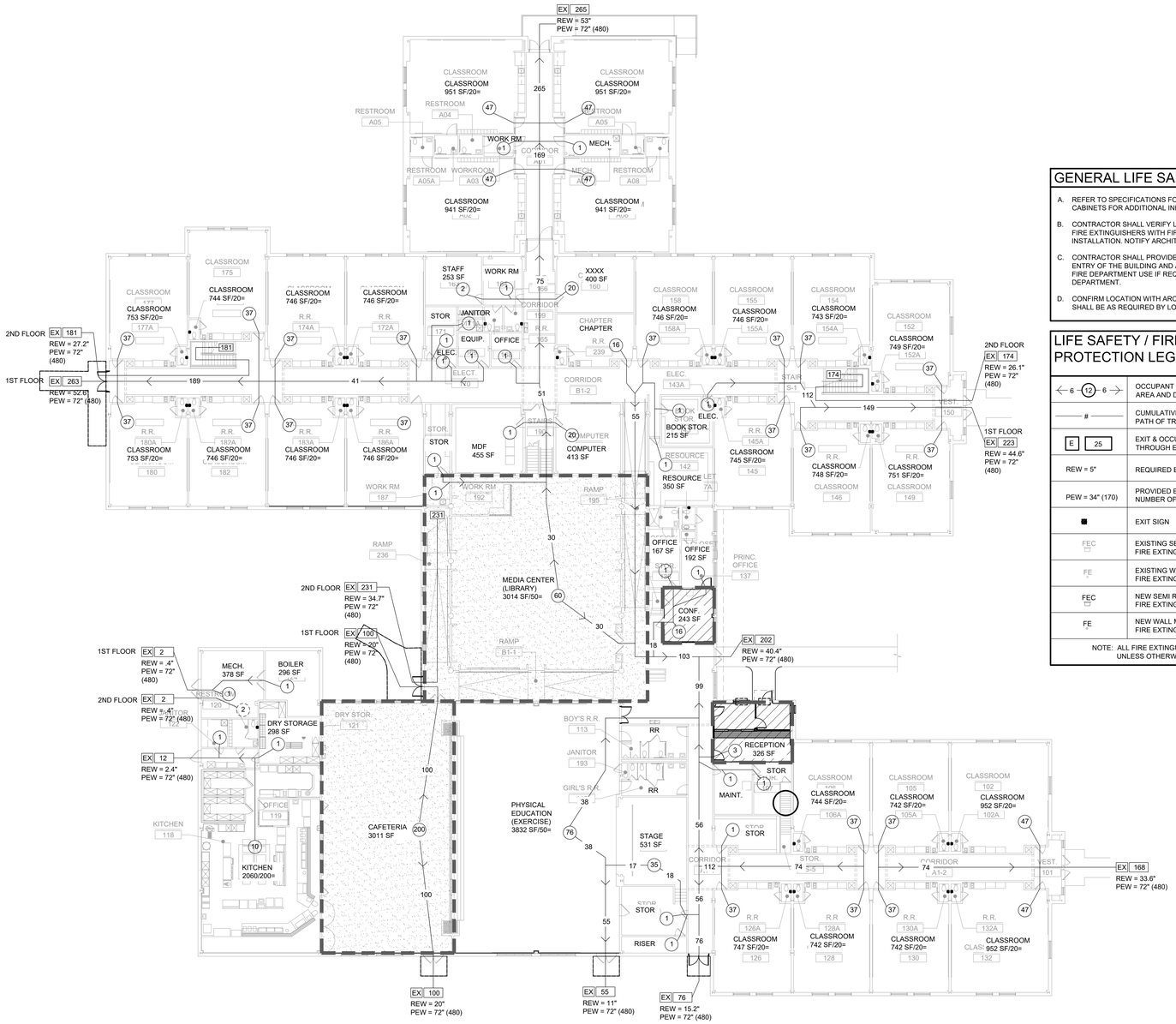
JOB NO. 25016

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

G0.00

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03.25.2026



GENERAL LIFE SAFETY NOTES

A. REFER TO SPECIFICATIONS FOR FIRE EXTINGUISHERS AND CABINETS FOR ADDITIONAL INFORMATION.

B. CONTRACTOR SHALL VERIFY LOCATIONS AND QUANTITY OF FIRE EXTINGUISHERS WITH FIRE INSPECTOR BEFORE INSTALLATION. NOTIFY ARCHITECT OF ANY CHANGES.

C. CONTRACTOR SHALL PROVIDE KNOX BOX AT THE FRONT ENTRY OF THE BUILDING AND ADDRESS IDENTIFICATION FOR FIRE DEPARTMENT USE IF REQUIRED BY LOCAL FIRE DEPARTMENT.

D. CONFIRM LOCATION WITH ARCHITECT. KNOX BOX MODEL SHALL BE AS REQUIRED BY LOCAL DEPARTMENT.

LIFE SAFETY / FIRE PROTECTION LEGEND

← 6 — (12) — 6 →	OCCUPANT LOAD OF ROOM OR AREA AND DIRECTION OF TRAVEL
——— # ———	CUMULATIVE LOAD ALONG A PATH OF TRAVEL
E 25	EXIT & OCCUPANT LOAD THROUGH EXIT
REW = 5"	REQUIRED EXIT WIDTH DOORS
PEW = 34" (170)	PROVIDED EXIT WIDTH & ALLOWED NUMBER OF OCCUPANT THROUGH EXIT
■	EXIT SIGN
FEC	EXISTING SEMI RECESSED FIRE EXTINGUISHER CABINET
FE	EXISTING WALL MOUNTED FIRE EXTINGUISHER
FEC	NEW SEMI RECESSED FIRE EXTINGUISHER CABINET
FE	NEW WALL MOUNTED FIRE EXTINGUISHER

NOTE: ALL FIRE EXTINGUISHERS ARE TYPE A UNLESS OTHERWISE NOTED

JP STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD SCHOOL RENOVATION

PROJECT DESCRIPTION:
LEVEL 1 & LEVEL 2 Alterations to an existing school in Dallas, Texas. The existing building is a fully sprinkled 2 story masonry structure. Assumed Type II-B construction and E Occupancy.

CODE JURISDICTION:
2021 International Building Code with Local Amendments
2021 International Mechanical Code with Local Amendments
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2021 International Fuel & Gas Code with Local Amendments
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2021 International Fire Code with Local Amendments
2020 National Electrical Code with Local Amendments
2015 International Green Construction Code with Local Amendments

ACCESSIBILITY:
Latest edition of the Texas Accessibility Standards (TAS) in conjunction with the ADA Accessibility Guidelines (ADAAG) and the elimination of Architectural Barriers (EAB)

BASIC ASSUMPTIONS:
The information below was compiled by and for the exclusive use of the architect in the design portion of his work. It is also intended to identify to the code official the architect's interpretation of the code.

The information below is excerpted from the code unless indicated otherwise. It is intended to identify the basic requirements for this project, primarily in terms of occupancy, construction type, and egress. Miscellaneous issues may also be identified.

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OCCUPANCY GROUP: E EDUCATION

BUILDING PARAMETERS:
Area of building being classified as E Occupancy: 70,435 sf
Building Height: 30'-0"* (2 stories)

EXIT ACCESS TRAVEL DISTANCE
Per Table 1017.2 of the 2021 IBC: Maximum travel distance is 250'

PORTABLE FIRE EXTINGUISHERS
Per Table 906.3 of the 2021 IFC: maximum travel distance to extinguisher: 75'

EGRESS REQUIREMENTS per Section 1005.3 of the 2021 IBC
Minimum Egress Width Required

Doors	0.15 x Occupant Load
Stairs	0.20 x Occupant Load
Max Distance to Exit	250'-0"
Max Distance to choice of two exits	75'-0"
Max Distance of Dead End Corridor	20'-0"
Max Ramp slope in Egress Path	1:12

LEVEL 1 RENOVATION:
"LEVEL 1 ALTERATIONS INCLUDE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE."
-Section 602.1 Scope.
2021 International Existing Building Code

LEVEL 2 RENOVATION:
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2021 International Existing Building Code

BOND 2020
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J.P. STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD (ORG #263)

PROJECT
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LIFE SAFETY FIRST FLOOR PLAN

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

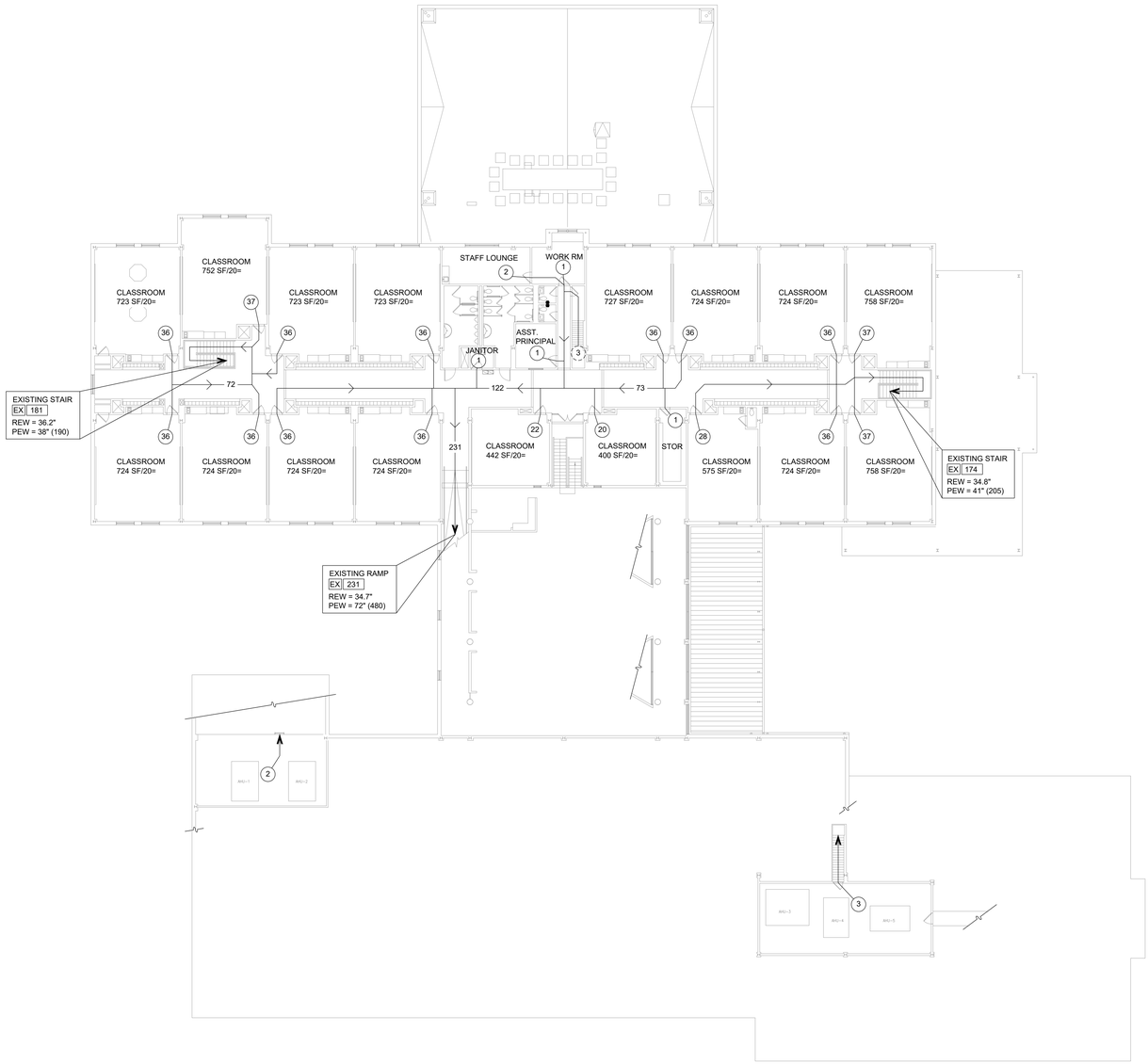
1 OVERALL FIRST FLOOR CODE COMPLIANCE PLAN

SCALE: 1/16" = 1'-0"

0 8 16 32
SCALE: 1/16" = 1'-0"

G0.21

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BRENT E. KLINE — REGISTERED ARCHITECT — STATE OF TEXAS — 10976
03.25.2026

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LIFE SAFETY SECOND FLOOR PLAN

JOB NO. 25016

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

G0.22

1 **OVERALL SECOND FLOOR CODE COMPLIANCE PLAN**
SCALE: 1/16" = 1'-0"

0 8 16 32
SCALE: 1/16" = 1'-0"

ABBREVIATIONS

[A]

A/C	AIR CONDITIONER (ING)
ACT	ACOUSTICAL TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDITION
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE (LY)
ARCH	ARCHITECT (URAL)
AUTO	AUTOMATIC
AUX	AUXILIARY

[B]

BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BTU	BRITISH THERMAL UNIT
BUR	BUILT UP ROOF

[C]

CB	CHALKBOARD
CF	CUBIC FEET
CFMF	COLD FORMED METAL FRAMING
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE

[C-CONT.]

CONT	CONTINUOUS
CPT	CARPET (ED)
CR	COLD ROLLED
CT	CERAMIC TILE
CTR	CENTER
CW	COLD WATER
CY	CUBIC YARD

[D]

DED	DEDICATE (D)
DEMO	DEMOLISH (TION)
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION (ED)
DIV	DIVISION
DN	DOWN
DP	DAMP PROOFING
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING (S)

[E]

E	EAST
EA	EACH
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC (AL)
ELEV	ELEVATOR
ENGR	ENGINEER (ING)
EQ	EQUAL

[E-CONT.]

EQUIP	EQUIPMENT
ESCL	ESCALATOR
EXIST	EXISTING
EXT	EXTERIOR

[F]

FA	FIRE ALARM
FAP	FIRE ALARM PANEL
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FHS	FIRE HOSE STATION
FIXT	FIXTURE
FND	FOUNDATION
FN	FENCE
FT	FOOT, FEET
FUR DN	FURR DOWN
FURN	FURNITURE
FVC	FIRE VALVE CABINET
FVS	FIRE VALVE STATION

[G]

GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCMU	GLAZED CONCRETE MASONRY UNIT
GEN	GENERAL
GYP BD	GYPSUM BOARD

[H]

H	HIGH
HB	HOSE BIB
HC	ACCESSIBLE FIXTURE
HCWD	HOLLOW CORE WOOD DOOR
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSE POWER
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER
HWY	HIGHWAY

[I]

IN	INCH
INCAND	INCANDESCENT
INT	INTERIOR

[J]

JAN	JANITOR
JT	JOINT

[K]

KD	KNOCK DOWN

[L]

L	LONG, LENGTH
LAM	LAMINATE (D)
LB(S)	POUND (S)
LF	LINEAR FEET
LH	LEFT HAND
LT	LIGHT
LVR	LOUVER
LW	LIGHT WEIGHT

[M]

MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MET	METAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MISC	MISCELLANEOUS
MM	MILLIMETER (S)
MO	MASONRY OPENING
MS	METAL STUD

[N]

N	NORTH
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NO	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

[O]

OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
ORIG	ORIGINAL
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT

[P]

PFAB	PREFABRICATE (D)
PKG	PACKAGE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL

[P-CONT.]

PNT	PAINT
PNTD	PAINTED
PR	PAIR
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH

[Q]

QT	QUARRY TILE
QTR	QUARTER

[R]

RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BARS
REF	REFER TO
REFR	REFRIGERATOR
REV	REVISED, REVISION
RH	RIGHT HAND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT

[S]

S	SOUTH
SCHED	SCHEDULE (D)
SCWD	SOLID CORE WOOD DOOR
SF	SQUARE FOOT (FEET)
SHTH	SHEATHING
SI	SQUARE INCH
SIM	SIMILAR
SP	SPEAKER
SPKLR	SPRINKLER
SQ	SQUARE
SSTL	STAINLESS STEEL

[S-CONT.]

STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
SYS	SYSTEM

[T]

TA	TOILET ACCESSORIES
TB	TACK BOARD
TERR	TERRAZZO
THRU	THROUGH
TOB	TOP OF BEAM
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TS	TUBE STEEL
TYP	TYPICAL

[U]

UFIN	UNFINISHED
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPNTD	UNPAINTED

[V]

V	VOLT
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATE (ER) (ED) (TION)
VERT	VERTICAL
VEST	VESTIBULE
VJ	VEE JOINT
VOL	VOLUME

[V-CONT.]

VT	VINYL TILE
VWC	VINYL WALL COVERING

[W]

W	WEST, WATT, WIDE, WIDTH
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WHD	WALL HYDRANT
WT	WEIGHT
W/	WITH
W/O	WITHOUT

[Y]

YD	YARD

DEMO GENERAL NOTES

PRIOR TO CONSTRUCTION

1. DEMOLITION DRAWINGS ARE BASED ON EXISTING DRAWINGS AND GENERALLY INDICATE TYPES OF MATERIALS AND DIMENSIONS. EXISTING CONSTRUCTION MAY DIFFER FROM WHAT IS INDICATED. THESE DRAWINGS ARE NOT INTENDED AS A SUBSTITUTE FOR A THOROUGH FIELD INVESTIGATION OF EXISTING CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION BY CONTRACTOR. EXTENT OF ALL DEMOLITION WORK MAY NOT BE INDICATED. CONTRACTOR SHALL PROVIDE ALL NECESSARY DEMOLITION WORK REQUIRED TO INCORPORATE ALL ELEMENTS OF THE CONSTRUCTION WHETHER DEMOLITION IS SPECIFICALLY INDICATED OR NOT. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OPERATIONS AND NOTIFY ARCHITECT AND OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN DEMOLITION DRAWINGS AND FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK AND COORDINATION OF SAME, INCLUDING GENERAL CONSTRUCTION, MECHANICAL, ELECTRICAL, AND PLUMBING, UNLESS NOTED OTHERWISE. COORDINATE BUILDING DEMOLITION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
3. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR RECEIVING AND SAFEKEEPING OF ALL WORK-RELATED PRODUCTS STORED AT THE SITE, INCLUDING ALL OWNER-FURNISHED ITEMS AND SALVAGED ITEMS THAT SHOULD BE REUSED. CONTRACTOR SHALL PROVIDE RECYCLING OR IF NON-RECYCLABLE DISPOSAL FOR PACKAGING ASSOCIATED WITH BUT NOT LIMITED TO OWNER FIXTURES AND FITTINGS.
4. CONTRACTOR SHALL POST AND MAINTAIN SIGNS, NOTICES, GOOD PRACTICES, AND OTHER SAFEGUARDS REQUIRED BY LAW, ORDINANCE, OR OWNER.

SALVAGE MATERIAL

5. SALVAGEABLE MATERIALS TO BE RETAINED FOR THE OWNER'S USE SHALL BE DETERMINED BY THE OWNER. LOCATION OF SALVAGED OWNER MATERIALS SHALL BE APPROVED BY OWNER. OWNER SALVAGE ITEMS INCLUDE BUT ARE NOT LIMITED TO FURNITURE, DOORS, LIGHT FIXTURES, AIR GRILLES, SPEAKERS, AUDIOVISUAL DEVICES, FIRE EXTINGUISHERS AND CABINETS. SALVAGEABLE MATERIALS NOT RETAINED BY THE OWNER MAY BE RETAINED BY THE CONTRACTOR BUT SHALL BE REMOVED FROM THE PROJECT LOCATION IMMEDIATELY UPON REMOVAL FROM PROJECT.

DURING CONSTRUCTION

6. DEMOLITION WILL BE EXECUTED IN PHASES. REFER TO CONTRACTOR FOR PHASING PLAN.
7. DEMOLITION WORK SHALL BE COORDINATED WITH ALL SUBCONTRACTORS TO ENSURE UNINTERRUPTED PROGRESS OF WORK.
8. CONTRACTOR SHALL PROVIDE, CONTINUOUSLY UPDATE, AND POST PHASING & STAGING PLAN IN JOB TRAILER. PHASING PLAN TO INCLUDE ALL STAGING, LAYDOWN, PARKING, CONSTRUCTION TRAILER, DUMPSTER, ET AL.
9. PARKING LOCATION FOR CONTRACTOR'S EMPLOYEES SHALL BE AS APPROVED BY OWNER.
10. PROTECT EXISTING FINISHES AND TAKE OTHER PRECAUTIONS AS NEEDED DURING CONDUCT OF THE WORK. IMMEDIATELY MAKE REPAIRS TO SUCH FINISHES, TO MATCH EXISTING, IF DAMAGE DOES OCCUR.
11. CONTRACTOR SHALL PROVIDE TEMPORARY SECURED DUST AND SOUND CONTROL BETWEEN DEMOLITION AREA AND OCCUPIED AREA, AND MAINTAIN BARRICADES. BARRICADES WALLS, COVERED PASSAGES, LIGHTS, WARNING SIGNS, ETC. ALL WHICH MUST BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SAFETY REGULATIONS. DO NOT BLOCK FIRE EXITS AT ANY TIME.
12. CONTRACTOR SHALL PROVIDE MERV 16 CONSTRUCTION FILTERS TO PROTECT ROOF TOP UNITS DURING DEMOLITION AND RENOVATION PROCESS.
13. HVAC CONTRACTOR SHALL SEAL VENTS IN AND AROUND AREAS DURING DEMOLITION AND RENOVATION.
14. ADVANCE NOTICE ON ALL UTILITY SERVICES TO THE BUILDING IS TO BE GIVEN TO OWNER PRIOR TO THE WORK BEING PERFORMED. SERVICE IS NOT TO BE INTERRUPTED DURING THE NORMAL WORKING HOURS. ANY UTILITY WORK TO BE PERFORMED SHALL BE PERFORMED AFTER HOURS OR DURING A TIME SET BY THE OWNER.
15. WALLS AND OTHER ITEMS NOTED SHOWN DASHED ARE EXISTING TO BE REMOVED. PERFORM DEMOLITION AND SALVAGE WORK AS SHOWN OR REQUIRED TO PRODUCE THE INTENDED RESULTS. PATCH REMAINING PORTIONS OF WALLS TO MATCH ADJACENT SURFACES. IN AREAS WHERE REPAIRS WILL BE UNAVOIDABLY NOTICEABLE, REPLACE WALL COVERING OR TEXTURE/PAINT BACK TO NEAREST INSIDE OR OUTSIDE CORNER IN EACH DIRECTION.
16. PREPARE FLOOR AND CEILING TO RECEIVE NEW FINISHES WHERE WALLS ARE REMOVED.
17. ALL DEMOLITION, CUTTING AND PATCHING SHALL BE DONE TO MAINTAIN STRUCTURAL, ACOUSTICAL, AND FIRE RATING INTEGRITY OF EXISTING STRUCTURE AND IS TO PROVIDE A SMOOTH FINISHED APPEARANCE WHEN COMPLETED. PATCH AND REPAIR ALL AREAS OF EXISTING SURFACES AFFECTED BY DEMOLITION TO MATCH ADJACENT WORK.
18. CONTRACTOR SHALL PROVIDE A DUMPSTER AND RECYCLING CONTAINERS AT THE JOB SITE FOR DISPOSAL OF ALL REFUSE.
19. CONTRACTOR SHALL PLACE ALL CONSTRUCTION DEBRIS DIRECTLY INTO DUMPSTER OR DUMP TRUCKS FOR REMOVAL. CONSTRUCTION DEBRIS SHALL NOT BE KEPT INSIDE THE BUILDING.
20. DEMOLITION TO BE COORDINATED WITH OWNER FOR ALL IT, SECURITY, CAMERA, PA, FIRE ALARM, AND INTRUSION DETECTION THAT IS IN THE AREA OF WORK.
21. CONTRACTOR IS NOT TO WORK OVER ANY OCCUPIED AREAS OF THE EXISTING BUILDING WITHOUT APPROVAL OF THE OWNER.

END OF DEMOLITION GENERAL NOTES

PROJECT NOTES

PRIOR TO CONSTRUCTION

1. CONTRACT DOCUMENTS ARE NOT STAND-ALONE DOCUMENTS. ATTEMPT HAS BEEN MADE TO COORDINATE THE CONTRACT DOCUMENTS PRIOR TO ISSUE. HOWEVER, SOME REQUIREMENTS MAY NOT BE KNOWN PRIOR TO ISSUE, AND SOME MAY CHANGE DURING CONSTRUCTION AS SUBMITTALS AND FABRICATION DRAWINGS ARE PREPARED. CONTRACT DOCUMENTS PREPARED TO DEPICT WORK BY ANY SINGLE DISCIPLINE MUST BE APPLIED IN CONJUNCTION WITH AND COORDINATED WITH THE BUILDING DOCUMENTS PREPARED BY OTHER DISCIPLINES (ARCHITECTURAL, MEP, STRUCTURAL, AND KITCHEN). CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES INCLUDING OWNER'S VENDORS DURING BIDDING AND CONSTRUCTION. CHANGE ORDERS WILL NOT BE APPROVED BASED ON FAILURE TO CONSIDER THE WORK OF OTHER DISCIPLINES.
2. PRIOR TO THE COMMENCEMENT OF WORK OR FABRICATION OF COMPONENTS, CONTRACTOR SHALL INVESTIGATE AND, VERIFY IN THE FIELD (V.I.F.), ALL CONDITIONS, INCLUDING ALL DIMENSIONS AND ELEVATIONS OF THE EXISTING CONSTRUCTION. ALL DISCREPANCIES BETWEEN FIELD VERIFIED CONDITIONS, DIMENSIONS, AND ELEVATIONS AND THOSE INDICATED ON THE DRAWINGS SHALL BE IMMEDIATELY MADE KNOWN TO THE ARCHITECT IN WRITING. USE OF V.I.F. OR SIMILAR NOTES AT CERTAIN LOCATIONS ON THE DRAWINGS DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR VERIFYING ALL CONDITIONS EXISTING AND WORK DEVELOPED.
3. CONTRACTOR AND ALL SUBCONTRACTORS REPRESENT AND WARRANT THAT THEY HAVE CAREFULLY EXAMINED THE PLANS, DRAWINGS, DETAILS, NOTES, SPECIFICATIONS, AND ALL CONSTRUCTION CRITERIA OF THE OWNER AND HAVE SATISFIED THEMSELVES THAT THE INFORMATION CONTAINED THEREIN IS SUFFICIENT TO CONSTRUCT THE PROJECT FULLY AND COMPLETELY PRIOR TO PROCEEDING WITH THE WORK.
4. SUBMIT ALL FINISH SAMPLES FOR REVIEW AT THE SAME TIME WITH MOCK-UPS.
5. CONTRACTOR SHALL DOCUMENT CONDITION OF SITE PRIOR TO STARTING CONSTRUCTION AND FURNISH THE OWNER WITH COPIES OF PHOTOGRAPHS PRIOR TO STARTING WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. PERFORM THE WORK WITH QUALIFIED INSTALLERS, UNDER THE DIRECTION OF EXPERIENCED SUPERVISION HAVING EXPERIENCE INSTALLING PRODUCTS, EQUIPMENT, AND SYSTEMS OF SIMILAR TYPE.
7. DO NOT SCALE THE DOCUMENTS.
8. ALL DIMENSIONS ARE TO BE FIELD VERIFIED AND BACK CHECKED FOR CORRECTNESS. DEVIATIONS OR DISCREPANCIES SHALL BE SUBMITTED TO THE ARCHITECT FOR VERIFICATION PRIOR TO PROCEEDING WITH THE WORK.

DEFINITIONS

9. "PROVIDE" AS STATED IN CONTRACT DOCUMENTS SHALL MEAN FURNISH AND INSTALL READY FOR ITS INTENDED USE.
10. "INSTALL" AS STATED IN CONTRACT DOCUMENTS SHALL MEAN INSTALLED AT PROJECT SITE, INCLUDING UNLOADING, TEMPORARILY STORING, UNPACKING, ASSEMBLING, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING AND SIMILAR OPERATIONS.
11. "FURNISH" AS STATED IN CONTRACT DOCUMENTS SHALL MEAN SUPPLY, DELIVER AND SECURELY STORED IN PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION AND SIMILAR OPERATIONS.

CODE AND PERMIT

12. ALL WORK RELATING TO THIS CONSTRUCTION SHALL COMPLY WITH LABOR REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH STANDARDS AND ALL APPLICABLE BUILDING CODES AND LOCAL ORDINANCES.
13. CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS AND OTHER FEES ARE PAID PRIOR TO STARTING CONSTRUCTION.
14. CONTRACTOR SHALL COMPLY WITH REQUIREMENTS BY LOCAL OFFICIALS REGARDING MEANS OF EGRESS AND EXITING, WHICH IS TO BE MAINTAINED DURING CONSTRUCTION.

DURING CONSTRUCTION

15. GENERAL CONTRACTOR SHALL COORDINATE ALL BUILDING MANAGEMENT SYSTEMS, SECURITY SYSTEMS, AND ALL LOCKING HARDWARE WITH OWNER PRIOR TO INSTALLATION.
16. REMOVE RUBBISH FROM PREMISES AS DIRECTED IN ORDER TO KEEP PREMISES CLEAN AND EXIT-WAYS CLEAR. PROVIDE COMPLETE AND THOROUGH CLEANING OF ENTIRE SPACE UPON COMPLETION OF CONSTRUCTION INCLUDING CARPET VACUUMING AND STAIN REMOVAL, CLEANING HVAC DIFFUSERS AND GRILLES, WIPING DOWN ALL WALL, CEILING, BASE, DOOR AND FRAME SURFACES, PLUMBING FIXTURE SURFACES, CLEANING GLASS, WINDOW MULLIONS AND SILLS, WINDOW TREATMENTS, AND WAXING RESILIENT FLOORING.
17. COORDINATE THE WORK TO ALLOW FOR THE PROPER INTRODUCTION OF MATERIALS, EQUIPMENT AND SYSTEMS WITHOUT INTERFERENCE WITH ADJACENT CONSTRUCTION. UTILIZE SPACE EFFICIENTLY TO MAXIMIZE ACCESSIBILITY FOR OTHER INSTALLATIONS.
18. CONTRACTOR TO COORDINATE THE WORK WITH THE OWNER TO ALLOW ACCESS TO PUBLIC SPACES AND TO SCHEDULE DELIVERY OF MATERIALS WITHOUT INTERFERING WITH NORMAL OPERATIONS. CONTRACTOR IS TO KEEP INTERRUPTIONS OF UTILITIES AND RESTRICTED ACCESS TO PUBLIC SPACES TO A MINIMUM BY PLANNED APPROVAL ONLY.
19. PROVIDE ACCESS DOORS IN WALLS AND CEILINGS AS NEEDED TO ACCESS CONCEALED ITEMS. CONFIRM LOCATION AND TYPE WITH ARCHITECT PRIOR TO INSTALL.
20. CONCRETE FLOOR SLABS SHALL BE INSTALLED AND FINISHED AS REQUIRED TO RECEIVE THE SCHEDULED FINISH MATERIAL.
21. ACCESS PANELS (2'X2') WITH KEY SECURITY SHALL BE PROVIDED IN ALL GYPSUM BOARD PARTITIONS OR CEILINGS WHERE ELECTRICAL TRANSFORMERS, J-BOXES, PLUMBING VALVES, HVAC VAV BOXES, PTB BOXES, MOTORIZED DAMPERS, VOLUME DAMPERS, FIRE DAMPERS, SANITARY SEWER OR GREASE LINE TRAPS REQUIRING ACCESS ARE LOCATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE QUANTITY OF ALL ACCESS PANELS. ACCESS PANELS LOCATED IN FIRE RATED PARTITIONS OR CEILINGS SHALL HAVE APPROPRIATE FIRE RATING PER BUILDING CODE IN WHICH THEY ARE HOUSED. CONTRACTOR SHALL COORDINATE LOCATION AND TYPE OF ACCESS PANELS WITH ARCHITECT TO MINIMIZE IMPACT ON THE AESTHETIC DESIGN OF THE PROJECT.
22. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS, FIRE RATED CEILING ASSEMBLIES SHALL HAVE PENETRATION FIRESTOPPING PER SPECIFICATIONS.
23. PENETRATIONS AS REQUIRED PER CODE AND IN ANY EXTERIOR ELEMENT AS PART OF THIS WORK, MAKE PENETRATIONS WATERTIGHT AND AIRTIGHT. PENETRATIONS MADE IN FIRE RATED ELEMENTS, SEAL ALL PENETRATIONS WITH MATERIALS WHICH WILL MAINTAIN THE RATING OF THE ELEMENT BEING PENETRATED.
24. ALL MATERIALS SHALL BE INSTALLED ACCORDING TO INDUSTRY STANDARDS, ALL AGENCIES OR "STANDARD" RECOMMENDATIONS REFERENCED IN THE SPECIFICATIONS, OR MANUFACTURERS RECOMMENDED INSTALLATION PROCEDURES, WHICHEVER IS THE MOST STRINGENT, TO PROVIDE A COMPLETE AND HIGH-QUALITY PROJECT.
25. NEATLY CUT AND CORE DRILL ALL OPENINGS REQUIRED FOR CONDUIT, RECEPTACLES AND WIRING IN CASEWORK ASSEMBLIES
26. CONTRACTOR SHALL PROVIDE TREATED WOOD BLOCKING AS REQUIRED TO SUPPORT STAIR HANDRAILS, TOILET ACCESSORIES, JANITORIAL EQUIPMENT, CABINETRY, EQUIPMENT, ACCESSORIES, MONITORS, DIGITAL DISPLAYS, AND ALL OTHER ITEMS HANGING FROM OR MOUNTED TO WALL SURFACES. NO METAL BACKING IS ALLOWED IN ANY FORM.
27. ALL INTERIOR WOOD SHALL BE FIRE RETARDANT TREATED AND PLYWOOD OF CLASS A FLAME SPREAD RATING, UNLESS NOTED OTHERWISE.
28. CONTRACTOR SHALL PROVIDE PROPER LABEL IDENTIFICATION FOR ALL EQUIPMENT PER MEP SPECIFICATIONS.
29. ENSURE THAT ALL INSTALLED PRODUCTS, MATERIALS, AND EQUIPMENT ARE ASBESTOS-FREE.

END OF PROJECT NOTES

ACCESSIBILITY NOTES

INTERIOR ROUTE CONSTRUCTION

1. AN ACCESSIBLE ROUTE, IN THE DIRECTION OF TRAVEL, SHALL NOT HAVE A SLOPE EXCEEDING 1:20 (6/8" PER FOOT), EXCEPT AT A RAMP.
2. AN ACCESSIBLE ROUTE CROSS SLOPE SHALL NOT EXCEED 1:48.
3. ALL NEW FLOOR CONSTRUCTION AND FLOORING MATERIALS SHALL NOT HAVE AN ABRUPT VERTICAL CHANGE IN FINISH SURFACE LEVEL GREATER THAN 1/4" WHEN ABUTTING EITHER EXISTING OR NEW SURFACES DESIGNATED FOR AN ACCESSIBLE ROUTE.
4. THE EXPOSED EDGES OF ALL FLOORING MATERIALS SHALL BE SECURELY ATTACHED TO THE FLOOR SURFACE, AND WHEN RAISED ABOVE THE FLOOR SURFACE, SHALL HAVE A SLOPED EDGE TRIM (CHANGE NOT TO EXCEED 1/4" VERTICAL PLUS 1/4" BEVELED WITH A SLOPE NOT TO EXCEED 1:2) INSTALLED CONTINUOUSLY ALONG THE EDGE.

DOORS

5. ANY NEW THRESHOLD SHALL NOT EXCEED 1/2" IN HEIGHT, NOR 1:2 SLOPE.
6. ALL ACCESSIBLE HARDWARE OPERABLE BY THE DISABLED, SHALL NOT EXCEED A HEIGHT OF 4'-0" AFF, AND SHALL BE EASILY OPERATED WITH ONE HAND WITHOUT GRASPING, PINCHING OR TWISTING OF THE WRIST.
7. ALL ACCESSIBLE DOORS WITH A CLOSER SHALL HAVE THE CLOSER ADJUSTED SO THAT THE CLOSING TIME, FROM A 90 DEGREE OPEN ANGLE TO A POSITION 12 DEGREES FROM THE LATCH, IS NOT LESS THAN 5 SECONDS.
8. THE OPENING FORCE OF ALL ACCESSIBLE DOORS, EXCEPT FIRE DOORS AND EXTERIOR DOORS, SHALL NOT EXCEED 5 POUNDS.
9. THE OPENING FORCE OF ALL ACCESSIBLE EXIT AND EMERGENCY FIRE EXIT DOORS, SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

TOILET ROOMS

10. THE FLUSH CONTROL FOR ALL ACCESSIBLE TOILETS/URINALS SHALL NOT EXCEED 3'-8" AFF, AND SHALL BE ON THE WIDE (APPROACH) SIDE OF THE TOILET. (INCLUDES TANK TYPE TOILETS)
11. THE OPERATING FORCE FOR ALL ACCESSIBLE TOILET ROOM CONTROLS (TOILETS, FAUCETS AND DISPENSERS) SHALL NOT EXCEED 5 POUNDS, AND THE CONTROLS SHALL BE OPERABLE WITH ONE HAND WITHOUT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
12. THE OPENING FORCE OF ALL ACCESSIBLE TOILET STALL DOORS SHALL NOT EXCEED 5 POUNDS. BOLT TYPE LOCKING HARDWARE SHALL BE OPERABLE WITH ONE HAND WITHOUT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
13. THE TOP OF ALL LAVATORIES, EXCEPT UNDERHUNG, SHALL NOT EXCEED 34" AFF. THIS NOTE SHALL GOVERN WHEN THERE IS A DISCREPANCY WITH THE COUNTERTOP HEIGHT SHOWN ON THE DRAWINGS. NOTIFY ARCHITECT WHEN A DISCREPANCY OCCURS, AND PRIOR TO FABRICATION.
14. ACCESSIBLE LAVATORIES SHALL HAVE ALL EXPOSED HOT WATER PIPING AND DRAIN PIPES EITHER INSULATED OR CONFIGURED TO PROTECT AGAINST SKIN CONTACT. THE UNDERSIDE OF THE LAVATORY SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACES.
15. ANY GRAB BAR INSTALLATION SHALL BE ABLE TO SUPPORT 250 POUNDS APPLIED IN ANY DIRECTION.

SIGNAGE

16. ALL ACCESSIBLE PERMANENT ROOMS AND SPACES, EXITWAYS AND EXIT STAIRWAYS, SHALL HAVE SIGNAGE THAT MEETS ACCESSIBLE SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPESTYLE, RAISED LETTERS, GRADE 2 BRAILLE, COLOR/CONTRAST, AND LOCATION. THE SIGNAGE AT EXITS, WHICH ARE REQUIRED TO MEET THESE REQUIREMENTS, ARE AT THE DOOR LOCATIONS ONLY, AND DOES NOT INCLUDE THE LIGHTED EXIT SIGNAGE.
17. ALL ACCESSIBLE TOILET ROOMS SHALL BE DESIGNATED WITH ACCESSIBLE TEXT SIGNAGE FOR A PERMANENT ROOM, AND THE TEXT BE PLACED DIRECTLY BELOW THE PICTOGRAM SYMBOL WHEN PICTOGRAMS ARE USED. THE SIGNAGE SHALL MEET THE ACCESSIBLE SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPESTYLE, RAISED LETTERS, GRADE 2 BRAILLE, COLOR/CONTRAST, AND LOCATION. THE BORDER SURROUNDING A PICTOGRAM, 6" MINIMUM IN HEIGHT, SHOULD NOT BE RAISED, BUT MAY BE RAISED AS LONG AS IT DOES NOT SURROUND THE RAISED LETTERS AND BRAILLE. ALL ACCESSIBLE TOILET ROOMS WHEN NOT ALL ARE ACCESSIBLE, SHALL BE DESIGNATED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. IT IS SUGGESTED THAT THE INTERNATIONAL SYMBOL BE A RAISED SYMBOL.
18. ALL ACCESSIBLE PARKING SPACES, AND PUBLIC ENTRANCES, SHALL BE DESIGNATED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE IN ADDITION TO ANY OTHER SIGNAGE REQUIRED FOR ACCESSIBILITY. THIS SIGNAGE SHALL MEET ACCESSIBILITY REQUIREMENTS FOR COLOR/CONTRAST AND LOCATION.
19. ALL OTHER SIGNAGE ALONG THE ACCESSIBLE ROUTE THAT PROVIDES EMERGENCY INFORMATION, DIRECTIONS, OR INFORMATION ABOUT FUNCTIONAL SPACES, SHALL MEET ACCESSIBLE SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPE, STYLE, COLOR/CONTRAST, AND LOCATION; AND RAISED LETTERS AND GRADE 2 BRAILLE WHEN PROVIDED. IT IS SUGGESTED THAT SIGNAGE USED FOR THIS PURPOSE, IN INTERIOR SPACES AND WITHIN REACH, SHOULD HAVE RAISED LETTERS; AND MAY HAVE GRADE 2 BRAILLE (OPTIONAL). RAISED LETTERS AND GRADE 2 BRAILLE IS NOT REQUIRED FOR EXTERIOR SIGNAGE AND INTERIOR SIGNAGE NOT WITHIN REACH.
20. PICTOGRAMS, OTHER THAN THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, ARE NOT REQUIRED. HOWEVER, WHEN THEY ARE PROVIDED, TEXT OF THE EQUIVALENT VERBAL DESCRIPTION SHOULD BE PLACED DIRECTLY BELOW THE PICTOGRAM. THE TEXT SHALL MEET ACCESSIBLE SIGNAGE REQUIREMENTS FOR LETTER SIZE, LETTER AND NUMBER TYPE, STYLE, COLOR/CONTRAST, AND LOCATION. IT IS SUGGESTED THAT PICTOGRAMS, WHEN PROVIDED WITHIN REACH, ALSO SHOULD MEET ACCESSIBLE SIGNAGE REQUIREMENTS FOR RAISED LETTERS, RAISED SYMBOLS, GRADE 2 BRAILLE; AND ARE NOT TO HAVE ANY RAISED BORDERS (IF PROVIDED) SURROUNDING THE RAISED LETTERS AND BRAILLE. ACCESSIBILITY STANDARDS DO NOT REQUIRE PICTOGRAMS, IN ANY LOCATION, TO HAVE RAISED PICTURES, SYMBOLS, OR BORDERS; BUT DOES REQUIRE RAISED LETTERS AND GRADE 2 BRAILLE WHEN THE PICTOGRAM IS PART OF OR ACCOMPANIES ACCESSIBLE SIGNAGE FOR PERMANENT ROOMS AND SPACES.

TABLES, COUNTERS, WORK SURFACES

21. THE TOP SURFACE OF ALL ACCESSIBLE TABLES, COUNTERS AND/OR WORK SURFACE SHALL BE BETWEEN 28" AND 34" AFF, AND AT LEAST 36" IN LENGTH. THIS NOTE SHALL GOVERN WHEN THERE IS A DISCREPANCY WITH THE DIMENSIONS SHOWN IN THE DRAWINGS. NOTIFY ARCHITECT WHEN A DISCREPANCY OCCURS, AND PRIOR TO FABRICATION.

CONTROLS AND OPERATING MECHANISMS

22. ALL NEW CONTROLS AND OPERATING MECHANISMS REQUIRED TO BE ACCESSIBLE, SHALL COMPLY WITH THE HEIGHT RANGE AND CLEAR FLOOR AREA REQUIREMENTS OF THE ADA GUIDELINES AND TEXAS ACCESSIBILITY STANDARDS.

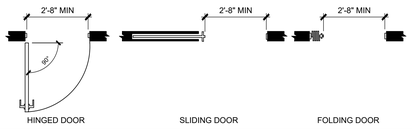
ALARM SYSTEMS

23. NEW ALARM SYSTEMS ALARM SYSTEMS, SHALL COMPLY WITH ACCESSIBILITY GUIDELINES AND REQUIREMENTS.

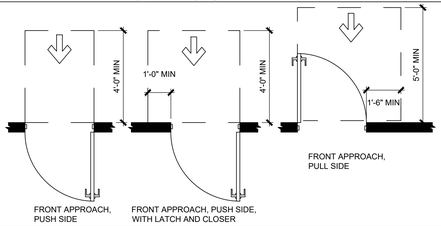
BUSINESS AND MERCANTILE COUNTERS

24. THE TO

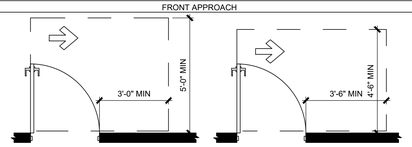
DOORS, DOORWAYS, & GATES
SECTION 404



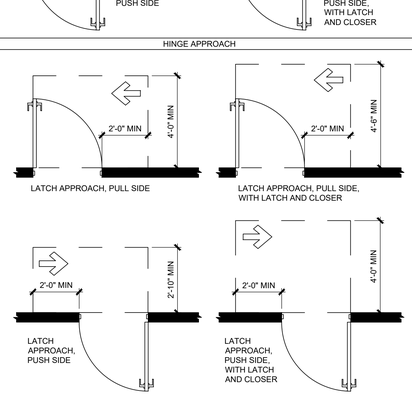
CLEAR WIDTH OF DOORWAYS



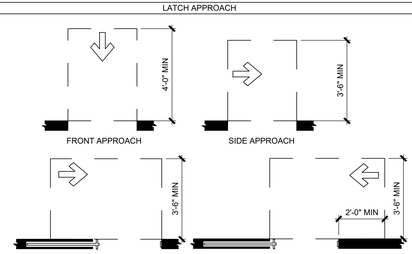
FRONT APPROACH



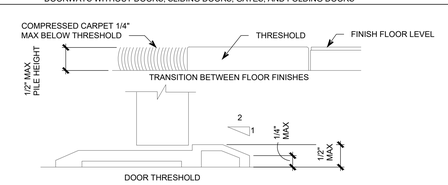
HINGE APPROACH



LATCH APPROACH

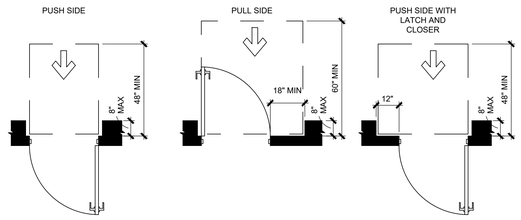


DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS

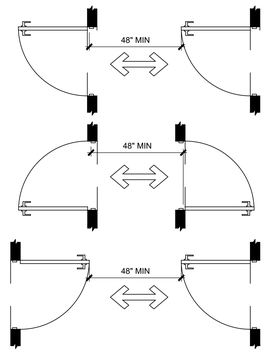


TRANSITIONS

DOORS, DOORWAYS, & GATES (CONT.)
SECTION 404

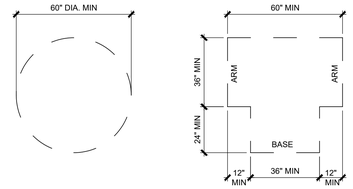


MANEUVERING CLEARANCES AT RECESSED DOORS

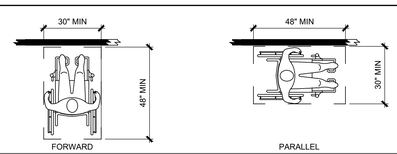


DOORS & GATES IN SERIES

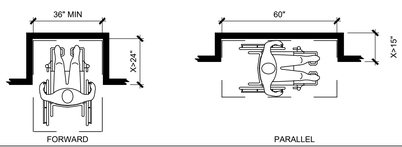
TURNING SPACE
SECTION 304



CLEAR FLOOR SPACE OR GROUND SPACE
SECTION 305

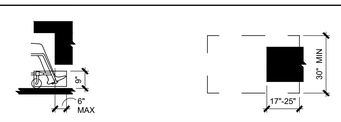


SIZE AND POSITION OF CLEAR FLOOR OR GROUND SPACE

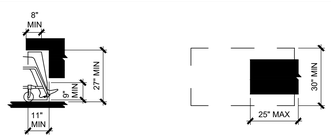


REQUIRED CLEARANCE IN ALCOVES

KNEE & TOE CLEARANCES
SECTION 306

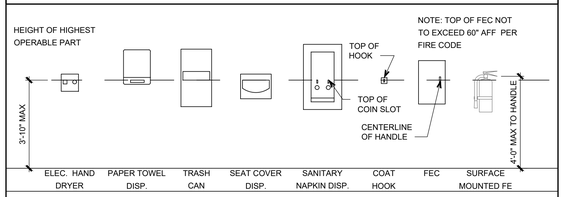


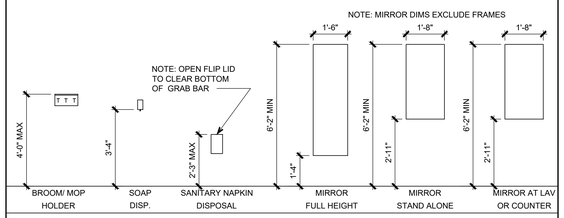
TOE CLEARANCE

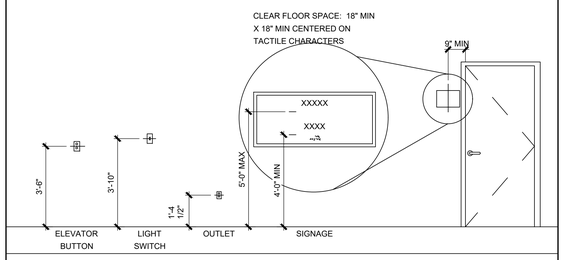


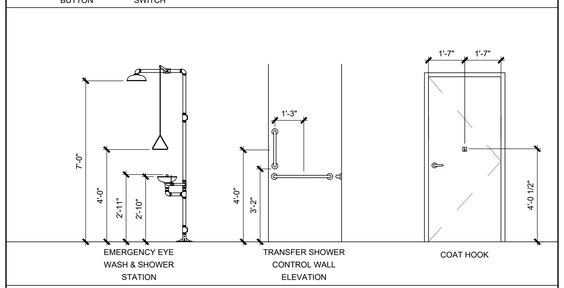
KNEE CLEARANCE

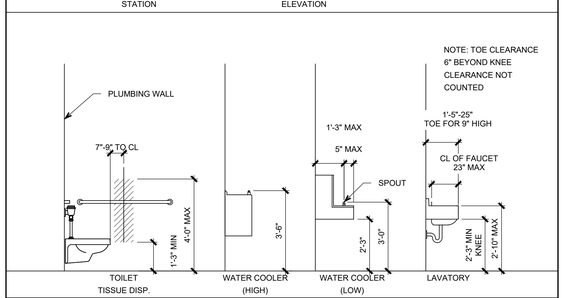
MOUNTING HEIGHTS:

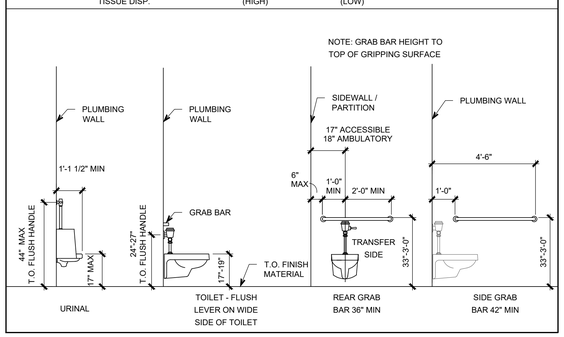




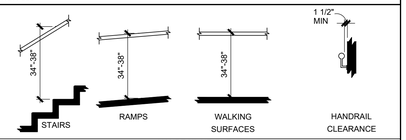




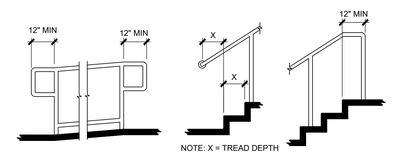




HANDRAILS
SECTION 505

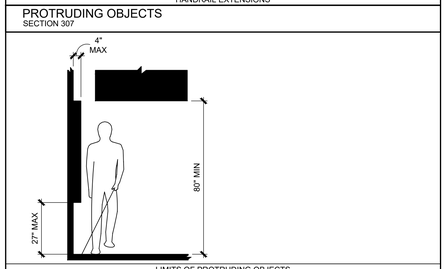


HANDRAIL HEIGHT

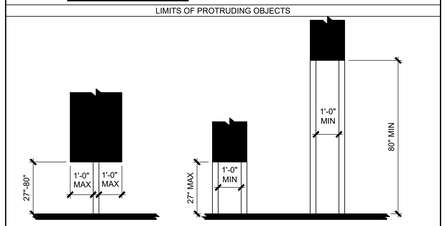


HANDRAIL EXTENSIONS

PROTRUDING OBJECTS
SECTION 307

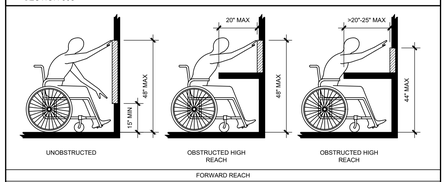


LIMITS OF PROTRUDING OBJECTS

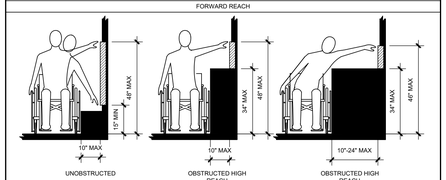


POST-MOUNTED PROTRUDING OBJECTS

REACH RANGES
SECTION 308



FORWARD REACH



SIDE REACH

KLINE HARDIN
ARCHITECTURE • PLANNING • INTERIORS
1921 STATE HWY 121 • SUITE 250
LEWISVILLE • TX 75056
972 • 331 • 5699

REGISTERED ARCHITECT
BRENT E. KLINE
70976
STATE OF TEXAS
03.25.2026

BOND 2020
OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

J.P. STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD (ORG #263)

PROJECT
3033 TIPS BLVD.
ADDRESS
DALLAS **TX**
CITY STATE
75216
ZIP

TAS DIAGRAMS & SYMBOLS

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

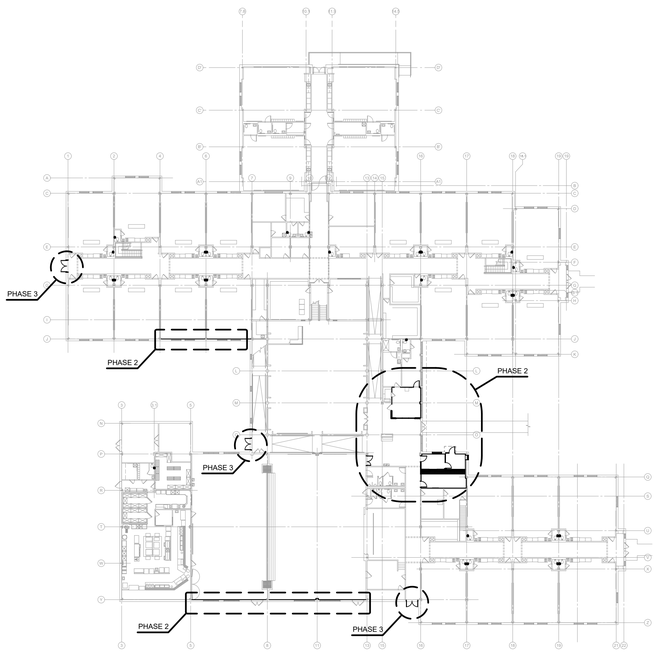
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RESPONSIBILITY MATRIX - JP STARKS VANGUARD SCHOOL

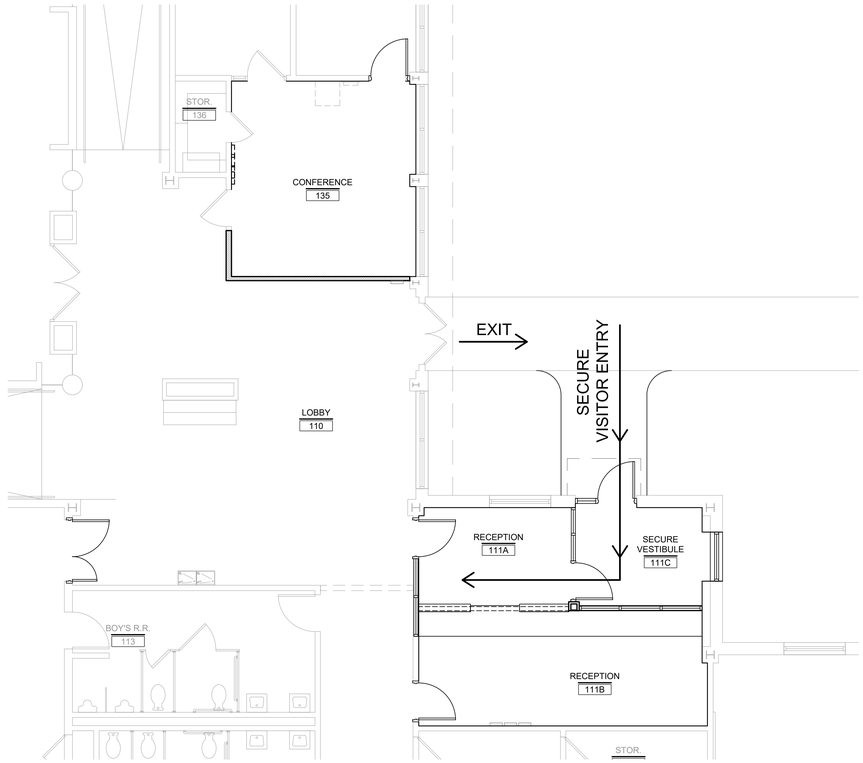
March 25, 2026

Dallas ISD Organization	Dallas ISD Dept/Div/ Group	Building System	Description: Equipment & Devices	Equipment & Devices:	Pathways, Cable Trays, Conduit, Backboxes, et al:	Equipment & Devices:	Pathways, Cable Trays, Conduit, Backboxes, et al:	Power:
				Designed & Documented for Construction by	Designed & Documented for Construction by	Provided and installed by	Provided and installed by	Provided and installed by
M&O	Grounds	Marquee Sign	Marquee Sign	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
M&O	EMS/Controls	BAS	JACE: Equipment, Cabling, Devices	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
M&O	Alarms	Fire (Sprinkler) Suppression	Flow Detection	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
M&O	Alarms	Fire Alarm	Fire Alarm Wireless Radio (AES) Call-out, Panels, Cabling, Devices	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
IT	Infrastructure	Network	MDF/IDF: High Heat Alarm Signal	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
IT	Infrastructure	Network	Wireless Access Points (WAPs)	A/E IT- Consultant	A/E	IT-Network Equipment Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	Cabling	A/E IT- Consultant	A/E	IT - Cabling Contractor	CS-General Contractor	N/A
IT	Infrastructure	Network	Patch Panels	A/E IT- Consultant	N/A	IT - Cabling Contractor	N/A	N/A
IT	Infrastructure	Network	Patch Cables	A/E IT- Consultant	N/A	IT - Technology Contractor	N/A	N/A
IT	Infrastructure	Network	POE Switch Network	IT- Network Equipment Contractor	N/A	IT- Network Equipment Contractor	N/A	N/A
M&O	Sound Stage	Voice Communications	PA IP Integrated Electronic Communications Network	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
IT	Audio-Visual	Distributed Audio-Video Communications Systems	Interactive Displays	IT A/V Vendor	A/E	IT A/V Vendor	CS-General Contractor	CS- General Contractor
IT/Police	CSS/EM	Network	Patch Panels Security	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	N/A
M&O	Alarms	Intrusion Detection System	Intrusion Wireless Call-Out, Panels, Keypads, Cabling, Devices	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
IT/Police	CSS/EM	Storm Shelter Operations	Control Room: Panels, monitoring and operational controls, devices, and signage	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
IT/Police M&F	CSS/EM Electrical	UPS (Non-Network)	Storm Shelter Power and Monitoring: Generator or Battery	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
IT/Police	CSS/EM	Secure Vestibule	See "Access Control", Div 28	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	CS- General Contractor
IT/Police	CSS/EM	Access Control	Card Access/CCTV Headend Licensing	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	N/A
IT/Police	CSS/EM	Access Control	Control Panels	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	CS- General Contractor
IT/Police	CSS/EM	Access Control	Card Readers	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Access Control	Door Contacts	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Access Control	Electrified Door Hardware	A/E	A/E	CS-General Contractor	CS- General Contractor	N/A
IT/Police	CSS/EM	Access Control	Electrified Door Hardware Power Supplies	A/E	A/E	CS-General Contractor	CS-General Contractor	CS- General Contractor
IT/Police	CSS/EM	Access Control	IP Intercoms: Masters	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Security: Electronic Surveillance	Cameras: Exterior	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Security: Electronic Surveillance	Cameras: Interior	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	N/A
IT/Police	CSS/EM	Security: Electronic Surveillance	Cabling: Switch to Device	CSS - Security Contractor	A/E	CSS - Security Contractor	CS-General Contractor	CS- General Contractor
IT/Police	CSS/EM	Security: Electronic Surveillance	Storage Servers	CSS - Security Contractor	N/A	CSS - Security Contractor	N/A	CS- General Contractor

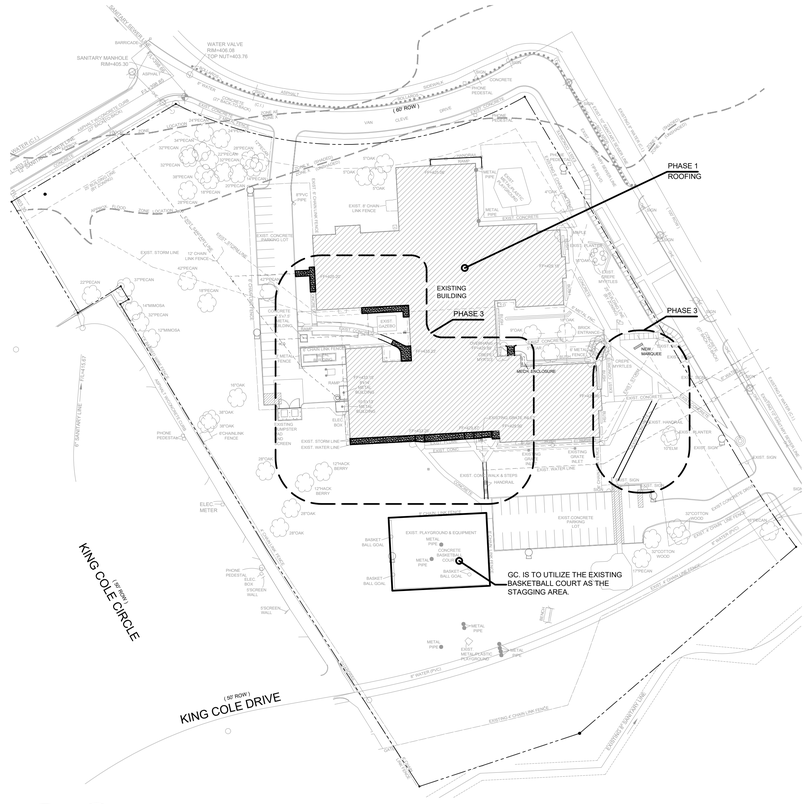
LEGEND	
CSS	Campus Security Systems
CSS/EM	Campus Security Systems/Emergency Management
A/E	Architect/Engineer
CS	Construction Services (Bond Construction)
M&O	Maintenance & Operations/ DISD Maintenance And Facility Services
FCNS	DISD Food & Child Nutrition ServicesFood & Child Nutrition Services



2 **FIRST FLOOR PLAN - PHASING**
SCALE: 1/32" = 1'-0"
0 16 32 64
SCALE: 1/32" = 1'-0"



3 **CIRCULATION PLAN**
SCALE: 1" = 60'-0"
0 2 4 8
SCALE: 1/4" = 1'-0"



1 **PHASING SITE AND ROOF PLAN**
SCALE: 1/64" = 1'-0"
0 32 64 128
SCALE: 1/64" = 1'-0"

PHASING NOTES:

1. CONTRACTOR TO FIGURE IN ABATEMENT WORK AS PART OF THE SCHEDULE.
2. ALL SYSTEMS MUST REMAIN OPERATIONAL DURING THE TIME SCHOOL IS OCCUPIED BY STUDENTS AND STAFF.
3. ALL CONSTRUCTION ACTIVITIES ARE AFTER HOURS, HOLIDAYS, WEEKENDS, & SUMMER, UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO SUBMIT DUST CONTROL PLAN TO DISD AND PROGRAM MANAGER FOR APPROVAL.
5. PLENUM CEILINGS MUST REMAIN INTACT DURING AIR CONDITIONING SEASONS
6. GC TO COORDINATE WITH CUSTODIAL STAFF ON FLOOR WAXING SCHEDULES AND INCLUDE IT IN THEIR SCHEDULE
7. CONTRACTOR IS REQUIRED TO PROVIDE BARRICADES AT ALL WORK INCLUDING AFTER HOURS, WEEKENDS, AND SUMMER.
8. CONTRACTOR IS REQUIRED TO ADD TEMPORARY WALLS TO SEPARATE SPACES FOR CONSTRUCTION FROM OCCUPIED SPACES.
9. NO MEP DEMOLITION IS TO OCCUR UNTIL NEW EQUIPMENT HAS ARRIVED ON SITE
10. CONTRACTORS TO FIGURE IN OWNER TECHNOLOGY WORK (WAPS AND DATA DROP WORK) AS PART OF THEIR SCHEDULE
11. GC TO PROVIDE TEMPORARY HVAC AT ALL PHASES NECESSARY FOR THEIR WORK
12. VERIFY WITH OWNER LOCATION OF STAGING AREA
13. GC TO RETURN STAGING AREA BACK TO ORIGINAL CONDITION OR BETTER. THIS INCLUDES INSTALLATION OF SOD. GC TO WATER SOD UNTIL SUBSTANTIAL COMPLETION AND/OR ESTABLISHED TO THE ACCEPTABILITY OF THE OWNER.
14. BEFORE WORK BEGINS, GC TO PROVIDE AN AUDIT OF ALL HVAC/CONTROLS, FIRE ALARM, MOTION DETECTOR SYSTEM, TECHNOLOGY, PA, ETC.
15. NEW FIRE ALARM TO BE INSTALLED AND ACCEPTED BY AHJ BEFORE EXISTING ALARM CAN BE DEMOED.
16. REMOVAL OF ALL IT AND SECURITY EQUIPMENT IN THE AREA OF WORK, THAT IS NOT IN GC'S SCOPE, TO BE COORDINATED WITH OWNER.
17. NEED TO COORDINATE WITH OWNER IN REGARDS TO REMOVAL OF ANY IT EQUIPMENT AND/OR SECURITY EQUIPMENT IN THE WAY OF WORK INCLUDED IN SCOPE.

SCOPE DESCRIPTION / PHASES:

PHASE 1 - SUMMER 2026
ITEMS THAT MUST BE COMPLETED BEFORE SCHOOL BEGINS:

A. REPLACE ASPHALT SHINGLED ROOFING AND THE PLYWOOD SUBSTRATE.

PHASE 2 - FLEXIBLE TIMELINE
ITEMS THAT CAN BE COMPLETED WHILE SCHOOL IS IN SESSION AFTER HOURS/WEEKENDS:

A. INSTALL NEW WINDOW IN SECURE VESTIBULE AND ADDITIONAL STOREFRONT IN THE RECEPTION.

B. PRODDVIDE SECURITY UPDATES INCLUDING CAMERAS, CARD ACCESS READERS AND DOOR CONTACTS.

C. PROVIDE SECURE FRONT VESTIBULE.

D. REPLACE FIRE ALARM SYSTEM.

E. PROVIDE / REPLACE IDF/MDF AIR CONDITIONING.

F. CEILING OF MEDIA CENTER ALSO NEEDS PAINTED DUE TO LEAKS.

PHASE 3 - BEGINNING CHRISTMAS BREAK 2026

A. PROVIDE NEW MARQUEE SIGN.

B. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON STAINED OR MILDEWED FACADE.

C. PLUMBING IMPROVEMENTS INCLUDE RPC ONLY.

D. REPAINT EXTERIOR ELEMENTS (DOORS, DOOR FRAMES AND HANDRAILS)

E. REPLACE SELECT EXTERIOR DOUBLE DOORS AND SIDEWALK PANELS.

PHASE 4 - FINAL MISC. WORKS

A. PROVIDE EXTERIOR LIGHTING CONTROLS.

B. REPLACE EXTERIOR LIGHTS WITH LED LIGHTING.

C. CORRECT GRADING ISSUES AROUND THE SITE CAUSING WATER INFILTRATION INTO THE CAFETERIA AND CLASSROOMS.

D. SECURITY SYSTEMS.

E. ACCESS CONTROL / CAMERA PHONE.

SYSTEM SHUTDOWN REQUIRE 10 DAY NOTIFICATION TO DALLAS ISD

KLINE HARDIN
ARCHITECTURE • PLANNING • INTERIORS
1921 STATE HWY 121 • SUITE 250
LEWISVILLE • TX 75056
972 • 331 • 5699

REGISTERED ARCHITECT BRENT E. KLINE 70975 STATE OF TEXAS
03.25.2026

DALLAS ISD BOND 2020 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

J.P. STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD (ORG #263)

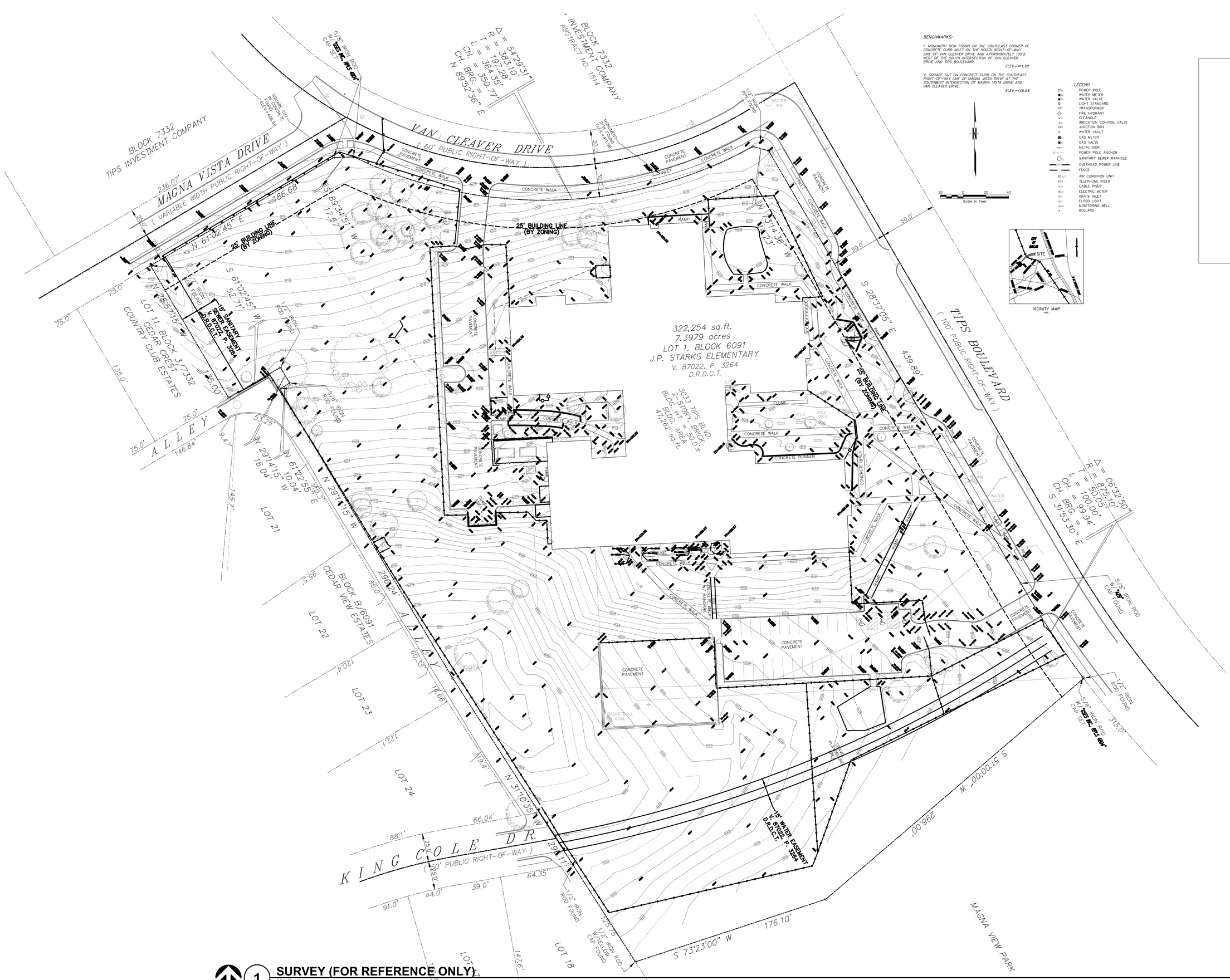
PROJECT
3033 TIPS BLVD.
ADDRESS
DALLAS TX
CITY STATE
75216
ZIP

PHASING & CIRCULATION PLANS

JOB NO. 25016

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

G0.40



1 **SURVEY (FOR REFERENCE ONLY)**
SCALE: N.T.S.

KLINE HARDIN
ARCHITECTURE • PLANNING • INTERIORS
1921 STATE HWY 121 • SUITE 250
LEWISVILLE • TX 75056
972 • 331 • 5699

DALLAS ISD
BOND 2020
OUR CHILDREN, OUR COMMUNITY, OUR FUTURE.

J.P. STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD (ORG #263)

PROJECT
3033 TIPS BLVD.
ADDRESS
DALLAS TX
CITY STATE
75216
ZIP

SURVEY FOR REFERENCE ONLY

JOB NO. 25016

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

SURVEY

GENERAL NOTES

1. EXISTING TOPOGRAPHICAL AND UTILITY INFORMATION PROVIDED FROM SURVEY RECIEVED FROM ARCHITECT ON 12/19/2025 . CLICK ENGINEERING MAKES NO WARRANTY TO THE ACCURACY OF THIS INFORMATION.
2. ANY REMOVED BENCHMARKS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT PROVIDED BY "ECS SOUTHWEST, LLP" DATED 12/17/2025 (REPORT NO. 19:10209), FOR ALL SOIL COMPACTION, PAVING, SUB-GRADE PREPARATION AND FILL MATERIAL REQUIREMENTS.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INFORMATION, AND NOTIFY CLICK ENGINEERING OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT TEXAS811 A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION, FOR UTILITY NOTIFICATION AND LOCATE SERVICES. TEXAS 811 CAN BE CONTACTED BY DIALING 811 WITHIN THE STATE OF TEXAS, OR ONLINE AT WWW.TEXAS811.ORG.
6. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE CITY CONSTRUCTION PERMITS AND APPROVALS, AND COORDINATE REQUIRED INSPECTIONS WITH THE CITY.
7. ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO THESE PLANS AND CITY STANDARDS AND SPECIFICATIONS.
8. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. IF DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY ENGINEER TO OBTAIN CLARIFICATION PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS TO REMAIN AND SHALL BE SOLELY RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT FOR DAMAGE OF EXISTING IMPROVEMENTS DURING CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR SHALL ADJUST ALL MANHOLE RIMS, VALVE BOXES, AND OTHER APPURTENANCES TO MATCH PROPOSED GRADE.
11. THE CONTRACTOR SHALL COORDINATE WITH FRANCHISE UTILITY COMPANIES FOR ALL UTILITY RELOCATIONS/ADJUSTMENTS.
12. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS, CONTAMINATED AND UNUSABLE MATERIALS AT THEIR COST. THE CONTRACTOR SHALL DISPOSE OF THESE MATERIALS IN ACCORDANCE WITH ALL CITY, STATE AND FEDERAL REGULATIONS.
13. THE CONTRACTOR SHALL NOT ALLOW WATER IN TRENCHES DURING CONSTRUCTION AND SHALL NOT LEAVE TRENCHES OPEN FOR MORE THAN 24 HOURS. IF TRENCHES ARE LEFT OPEN OVER NIGHT THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PUBLIC SAFETY.
14. PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT THE ELEVATION AT FINISHED SURFACE. THE CONTRACTOR SHALL REFER TO SPOT ELEVATIONS FOR ACTUAL ELEVATIONS, AS CONTOURS ARE BASED ON THE INTERPOLATION OF THE SPOT ELEVATIONS AND ARE INTENDED FOR VISUAL CLARIFICATION.
15. ALL SIDEWALKS SHALL BE CONSTRUCTED WITH A MAXIMUM CROSS-SLOPE OF 1:50 (2.0%) AND A MAXIMUM LONGITUDINAL SLOPE OF 1:20 (5.0%). IF DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
16. ALL EXISTING AND PROPOSED SIDEWALKS AND BARRIER FREE RAMPS SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS (TAS) AND THE AMERICANS WITH DISABILITIES ACT (ADA).
17. ALL PEDESTRIAN RAMPS SHALL BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 1:12 (8.33%). IF RAMPS HAVE MORE THE 6" OF VERTICAL RISE, A HAND RAIL SHALL BE INSTALLED IN ACCORDANCE WITH ADA AND TAS REQUIREMENTS. IN NO CASE SHALL A RAMP HAVE A VERTICAL RISE OF MORE THAN 30" WITHOUT A FLAT LANDING AREA. IF DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
18. ALL LANDSCAPING AREAS SHALL HAVE A MAXIMUM SLOPE OF 4:1, UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION, IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A TRENCH SAFETY PLAN SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF TEXAS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEYING RELATED TO CONSTRUCTION ACTIVITIES, AND SHALL STAKE LOCATIONS AND ELEVATIONS OF ALL PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS, PRIOR TO COMMENCEMENT OF WORK.
21. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST ON THE CONSTRUCTION SITE. THE CONTRACTOR SHALL CONTROL DUST BY MEANS OF SPRINKLING WATER, OR OTHER MEANS AS APPROVED BY THE CITY AND THE ENGINEER.
22. THE CONTRACTOR SHALL MAINTAIN ADEQUATE POSITIVE DRAINAGE DURING ALL PHASES OF CONSTRUCTION; CONTROL EROSION AND SILTATION; AND SHALL PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL FEDERAL, STATE AND LOCAL REGULATIONS FOR EROSION CONTROL AND PROTECTION.
23. ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES".
24. THE CONTRACTOR SHALL SUBMIT A PAVEMENT JOINT LAYOUT PLAN TO THE ENGINEER, FOR APPROVAL, PRIOR TO PAVING CONSTRUCTION ACTIVITIES. ALL PAVING JOINTS SHALL EXTEND THROUGH THE CURB.
25. THE CONTRACTOR SHALL PLACE ALL CONDUIT SLEEVES, INCLUDING ELECTRICAL AND IRRIGATION, UNDER PAVING PRIOR TO PAVING CONSTRUCTION ACTIVITIES.
26. ALL MATERIALS TESTING RESULTS MUST CONFORM TO THE SPECIFICATIONS/RECOMMENDATIONS DESCRIBED IN THE PLANS, CITY STANDARDS AND/OR GEOTECHNICAL REPORT. IF THE MATERIALS TESTING RESULTS DO NOT CONFORM TO THE SPECIFICATIONS/ RECOMMENDATIONS, THE MATERIALS MUST BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
27. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED PLANS ON-SITE AND SHOW ANY UPDATES/REVISIONS TO THOSE PLANS. A COPY OF THESE PLANS SHALL BE CERTIFIED BY THE CONTRACTOR AND PROVIDED TO THE ENGINEER FOR THE PREPARATION OF FINAL AS-BUILTS.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS EMPLOYEES, AGENTS, REPRESENTATIVES, SUB-CONTRACTORS AND PUBLIC SAFETY DURING ALL PHASES OF CONSTRUCTION.
29. ANY DISCREPANCIES BETWEEN THESE GENERAL NOTES, CITY SPECIFICATIONS OR STANDARD DETAILS SHALL BE WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE CITY INSPECTOR.

STORM SEWER NOTES

1. ALL STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS MANUFACTURER SPECIFICATIONS, CITY STANDARDS AND TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REQUIREMENTS. IF VARIATIONS OCCUR THE CONSTRUCTION STANDARDS AND SPECIFICATIONS, AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY CLICK ENGINEERING OF THESE VARIATIONS TO DETERMINE THE APPROPRIATE MEANS FOR CONTINUATION. IN GENERAL, THE MORE STRINGENT STANDARD OR SPECIFICATION SHALL GOVERN.
2. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO ANY EXCAVATION FOR THE EXACT LOCATIONS OF BURIED LINES, SUCH AS WATER, SEWER, ELECTRIC, TELEPHONE, GAS, OIL, ETC. CONTRACTOR RESPONSIBLE TO SEARCH ANY AREA BEING TRENCHED OR EXCAVATED WITH GROUND PENETRATING RADAR PRIOR TO BEGINNING WORK.
3. BACKFILL AND FILL MATERIALS SHALL BE COMPACTED, IN LIFTS, TO A MINIMUM OF 95 PERCENT STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONDITIONS.
4. ALL REINFORCED CONCRETE PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 76, AND BE CLASS III RCP
5. ALL CORRUGATED METAL STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 760.
6. ALL HDPE PIPING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M294 AND ASTM F 2306.
7. PRECAST REINFORCED CONCRETE MANHOLE RISERS AND TOP SECTIONS INLETS AND CATCH BASIN SHALL CONFORM TO A.S.T.M. C478. THE DIMENSIONS OF THE MANHOLES SHALL BE AS SHOWN ON THE STANDARD DETAILS OF PLANS, OR PER PLAN NOTES. SNAP-IN BOOTS OR CAST-IN PLACE GASKETS MAY BE PROVIDED IN LIEU OF KNOCKOUTS.
8. MANHOLE STEPS SHALL BE STEEL REINFORCED POLYURETHANE AND SHALL BE CERTIFIED TO EXCEED OSHA STANDARDS AND SHALL BE SUBJECT TO APPROVAL BY THE CITY. IF, DURING CONSTRUCTION, THE POLYURETHANE IS DAMAGED TO EXPOSE THE REINFORCING STEEL, THE ENTIRE STEP SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
9. THE BOTTOMS OF ALL MANHOLES AND INLETS SHALL BE OF CONCRETE. THE THICKNESS AND OTHER DIMENSIONS OF THE BASE SHALL BE AS SPECIFIED ON THE PLANS. THE INVERT CHANNEL SHALL BE THE TRUE SHAPE OF THE LOWER HALF OF THE PIPE OR SEWER. PIPE PLACED IN CONCRETE FOR INLET OR OUTLET CONNECTIONS SHALL EXTEND THROUGH THE WALLS A SUFFICIENT DISTANCE TO ALLOW FOR CONNECTIONS AND THE CONCRETE SHALL BE CAREFULLY CONSTRUCTED AROUND THEM SO AS TO PREVENT LEAKAGE ALONG THEIR OUTER SURFACE. THE INSIDE ENDS SHALL BE FLUSH WITH THE INSIDE WALLS, AND THE PIPE SHALL BE OF THE SAME SIZE AND KINDS AS THOSE WITH WHICH THEY CONNECT ON THE OUTSIDE.
10. CASTINGS SHALL BE SET IN FULL MORTAR BEDS. CASTINGS SHALL BE SET ACCURATELY TO CORRECT ELEVATION SO THAT NO SUBSEQUENT ADJUSTMENT WILL BE NEEDED. THE MAXIMUM DISTANCE FROM THE TOP OF THE PRECAST REINFORCED CONCRETE PIPE MANHOLE TO THE TOP OF THE CASTING SHALL BE 1 FEET. BUILDING UP SHALL BE DONE WITH PRECAST MANHOLE RINGS.
11. BACKFILL SHALL BE DEPOSITED IN HORIZONTAL LAYERS NOT OVER 8 INCHES IN DEPTH (LOOSE) AND EACH LAYER COMPACTED, THIS PROCESS BEING REPEATED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, TO THE ELEVATION OF THE FINISHED GRADE AS DESIGNATED ON THE PLANS. COMPACTION SHALL BE SECURED BY WATERING EACH LAYER IF DRY (THE WATER CONTENT OF THE MATERIAL USED SHALL NOT EXCEED THE OPTIMUM MOISTURE CONTENT) AND TAMPING WITH APPROVED MECHANICAL RAMMERS. THE BACKFILL SHALL BE COMPACTED TO A DENSITY EQUAL TO THE REQUIREMENTS SPECIFIED FOR THE PIPE TRENCH COMMON TO THE MANHOLE, CATCH BASIN, OR INLET.
12. ALL MANHOLES, CATCH BASINS, OR INLETS SHALL BE THOROUGHLY CLEANED OF ANY ACCUMULATIONS OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND, AND SHALL BE FREE FROM SUCH ACCUMULATIONS AT THE TIME OF THE FINAL INSPECTION.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS 48 HRS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES OR SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING OR EXCAVATION). CONTRACTOR TO REMOVE EROSION/SEDIMENTATION CONTROLS AT THE COMPLETION OF THE PROJECT AND GRASS RESTORATION.
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH APPROVED EROSION CONTROL PLAN AND CITY STANDARDS. DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER.
3. THE PLANTED AREAS SHALL BE IRRIGATED OR SPRINKLED IN A MANNER THAT WILL NOT ERODE THE TOPSOIL, BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF FOUR (4) INCHES. THE IRRIGATION SHALL OCCUR AT A MINIMUM OF 10-DAY INTERVALS DURING THE FIRST TWO MONTHS TO PROMOTE GROWTH. RAINFALL OCCURRENCES OF 1/2 INCH OR GREATER MAY ALLOW THE CONTRACTOR TO POSTPONE THE WATERING SCHEDULE ONE WEEK.
4. RESTORATION TO BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 95% COVERAGE PROVIDED NO BARE SPOTS LARGER THAN 25 SQUARE FEET EXIST.
5. A MINIMUM OF FOUR (4) INCHES OF TOPSOIL SHALL BE PLACED IN ALL AREAS DISTURBED BY CONSTRUCTION.
6. THE CONTRACTOR SHALL SOD ALL EXPOSED CUTS AND FILLS, UPON COMPLETION OF CONSTRUCTION. THIS INCLUDES ALL DISTURBED AREAS ON THE SITE.
7. THE CONTRACTOR SHALL INSPECT THE EROSION/SEDIMENTATION CONTROLS AT WEEKLY INTERVALS AND AFTER EVERY RAINFALL EXCEEDING 1/2 INCH, TO VERIFY THAT THEY HAVE NOT BEEN SIGNIFICANTLY DISTURBED. ANY ACCUMULATION OF SEDIMENT AFTER A SIGNIFICANT RAINFALL SHALL BE REMOVED AND PLACED IN THE DESIGNATED SPOIL DISPOSAL SITE. THE CONTRACTOR SHALL CONDUCT THE PERIODIC INSPECTIONS OF ALL EROSION/SEDIMENTATION CONTROLS AND MAKE ANY REPAIRS OR MODIFICATIONS NECESSARY TO ASSURE CONTINUED EFFECTIVE OPERATION OF EACH DEVICE.
8. NO ABOVE AND/OR BELOW GROUND TEMPORARY FUEL STORAGE FACILITIES TO BE STORED ON THE PROJECT SITE.
9. INTENTIONAL RELEASE OF VEHICLE OR EQUIPMENT FLUIDS ONTO THE GROUND IS NOT ALLOWED. CONTAMINATED SOIL, RESULTING FROM SPILLS, ACCIDENTAL OR INTENTIONAL, SHALL BE REMOVED AND DISPOSED OF PROPERLY.

SANITARY SEWER NOTES

1. ALL SANITARY SEWERS AND SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, MANUFACTURER SPECIFICATIONS, CITY STANDARDS AND THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REQUIREMENTS. IF VARIATIONS OCCUR WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS, AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY CLICK ENGINEERING OF THESE VARIATIONS TO DETERMINE THE APPROPRIATE MEANS FOR CONTINUATION. IN GENERAL, THE MORE STRINGENT STANDARD OR SPECIFICATION SHALL GOVERN.
2. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO ANY EXCAVATION FOR THE EXACT LOCATIONS OF BURIED LINES, SUCH AS WATER, SEWER, ELECTRIC, TELEPHONE, GAS, OIL, ETC.
3. BACKFILL AND FILL MATERIALS SHALL BE COMPACTED, IN LIFTS, TO A MINIMUM OF 95% (PERCENT) STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONDITIONS.
4. ALL SANITARY SEWERS SHALL BE INSTALLED A MINIMUM OF 36" IN DEPTH, UNLESS NOTED OTHERWISE.
5. SEWER LINE SHALL BE POLYVINYL CHLORIDE PIPE (PVC) AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-3034 FOR PLASTIC SEWER MAIN (PSM) AND FITTINGS. PVC SEWER PIPE AND FITTINGS SHALL HAVE A MINIMUM SDR RATING OF 35. INSTALLED PRESSURE RATED PVC SHALL HAVE A MINIMUM SDR RATING OF 26.
6. WHEN WATER LINES ARE INSTALLED IN THE VICINITY OF SEWER MAINS, SUCH INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH TCEQ GUIDELINES AND TEXAS DEPARTMENT OF HEALTH "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS" (1988 OR ANY REVISION THERETO).

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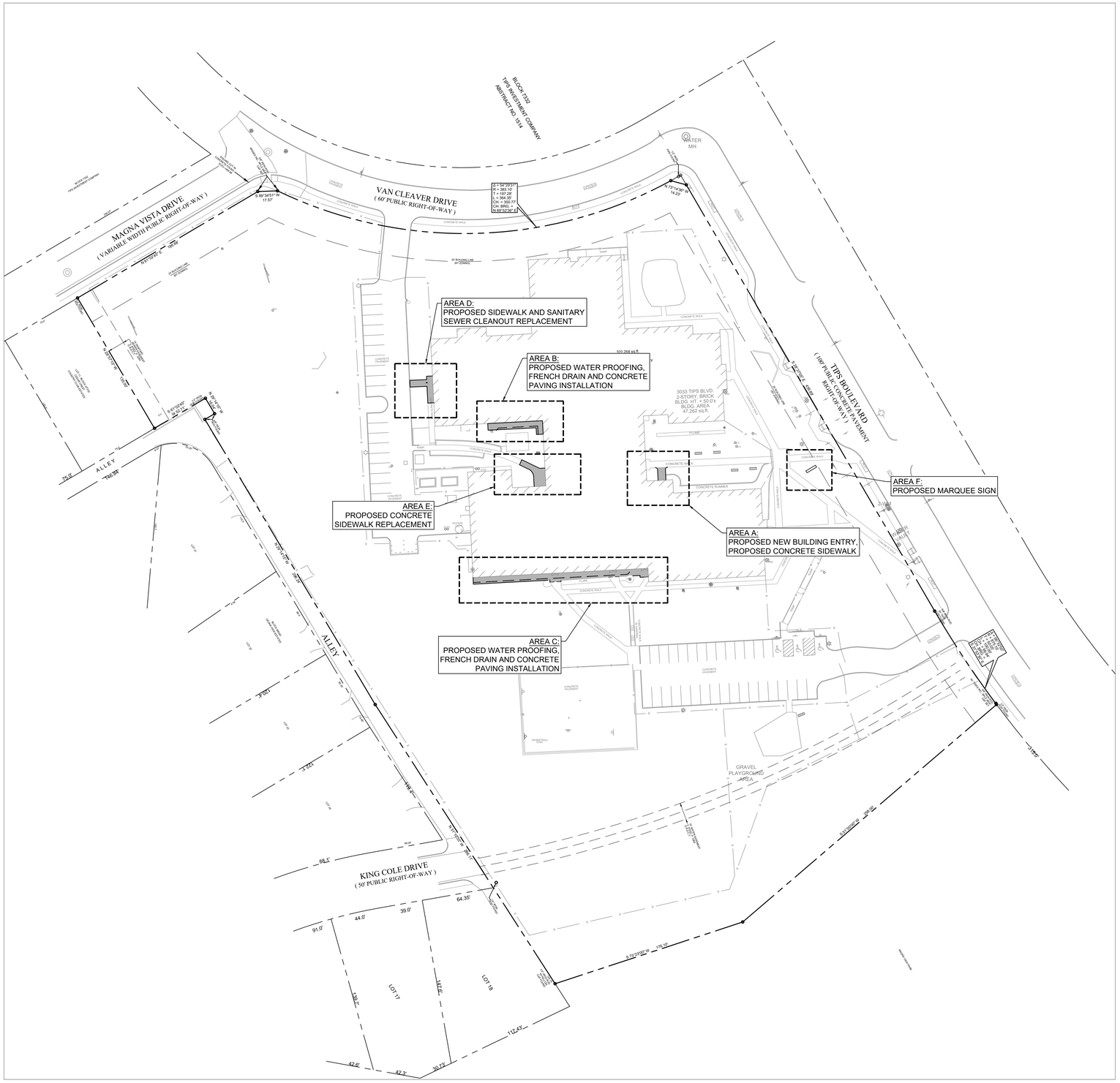
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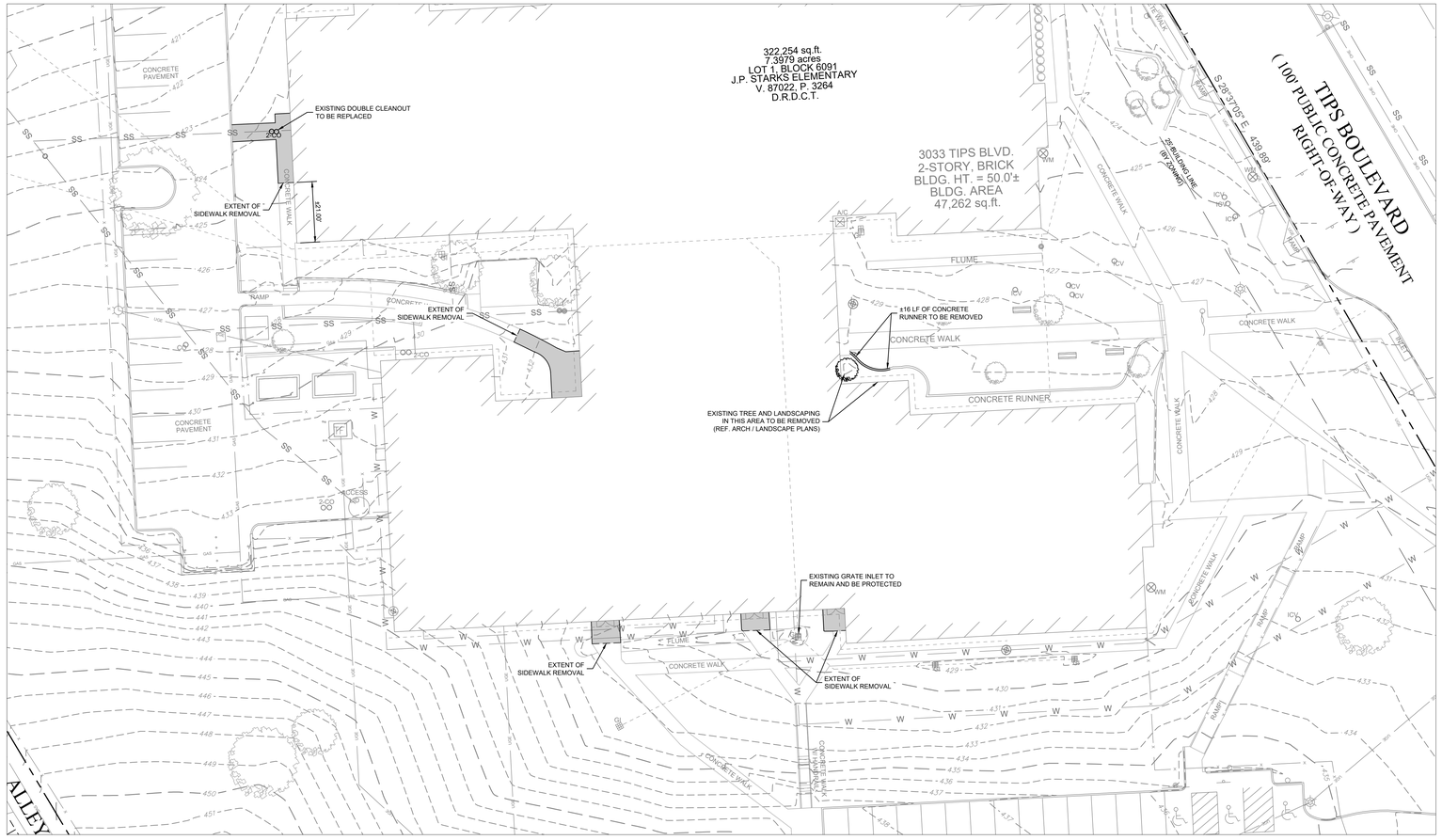
GENERAL NOTES

JOB NO. **25016**

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MAGNA VISTA DRIVE
(VARIABLE WIDTH PUBLIC RIGHT-OF-WAY)
VAN CLEAVER DRIVE
(60' PUBLIC RIGHT-OF-WAY)
BLOCK 7330
TIPS WESTBERRY COMPANY
ABSTRACT NO. 1414
TIPS BOULEVARD
(100' PUBLIC CONCRETE PAVEMENT RIGHT-OF-WAY)
KING COLE DRIVE
(50' PUBLIC RIGHT-OF-WAY)
ALLEY
AREA D:
PROPOSED SIDEWALK AND SANITARY SEWER CLEANOUT REPLACEMENT
AREA B:
PROPOSED WATER PROOFING, FRENCH DRAIN AND CONCRETE PAVING INSTALLATION
AREA E:
PROPOSED CONCRETE SIDEWALK REPLACEMENT
AREA F:
PROPOSED MARQUEE SIGN
AREA A:
PROPOSED NEW BUILDING ENTRY, PROPOSED CONCRETE SIDEWALK
AREA C:
PROPOSED WATER PROOFING, FRENCH DRAIN AND CONCRETE PAVING INSTALLATION
3033 TIPS BLVD.
2-STORY, BRICK
BLDG. HT. = 50.0'±
BLDG. AREA
47,262 sq.ft.
GRAVEL PLAYGROUND AREA
BASKETBALL GOAL
WATER MH
LOT 17
LOT 18
S 89°34'51" W 17.57'
N 75°14'36" W 14.22'
L = 54°29'31"
R = 383.10'
T = 197.28'
L = 364.35'
CH. = 350.77'
CH. BRG. = S 62°32'47" E
S 89°34'51" W 17.57'
N 89°34'51" E 17.57'
S 73°25'09" W 178.00'
S 61°00'00" W 206.00'
N 28°59'09" W 310.00'
N 61°00'00" E 206.00'
S 28°59'09" E 310.00'
N 16°25'09" E 30.00'
S 73°25'09" W 30.00'
N 73°25'09" E 178.00'
S 16°34'51" E 30.00'
N 73°25'09" E 178.00'
S 16°34'51" E 30.00'
S 73°25'09" W 178.00'
N 16°34'51" W 30.00'
S 73°25'09" W 178.00'
N 16°34'51



GRAPHIC SCALE

20 0 20 40

(IN FEET)
1 INCH = 20 FEET

LEGEND

- FULL-DEPTH SAWCUT (APPROXIMATE)
- BOUNDARY / PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK
- EXISTING FENCE LINE
- EXISTING CONTOUR (MAJOR INTERVAL)
- EXISTING CONTOUR (MINOR INTERVAL)
- EXISTING WATER LINE AND VALVE
- FH — EXISTING FIRE HYDRANT
- WM — EXISTING WATER METER
- MH — EXISTING MANHOLE
- SS — EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- OHE — EXISTING OVERHEAD ELECTRIC LINE
- GAS — EXISTING GAS MAIN
- REMOVE CONCRETE PAVEMENT
- EXISTING TREE

SHEET NOTES

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION DEPICTED ON THIS PLAN, INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES.
2. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES AND FOLLOW THE SWPPP, IF APPLICABLE, PRIOR TO ALL DEMOLITION AND SITE DISTURBANCE ACTIVITIES.
3. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR ALL TREE PROTECTION AND REMOVAL. EXISTING TREES TO REMAIN UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL UTILIZE EXISTING CONCRETE JOINTS, AS APPROPRIATE, WHEN CONCRETE SAW-CUT LIMITS ARE CLOSER THAN ½ OF THE EXISTING CONCRETE PANEL WIDTH. THE MINIMUM REMAINING CONCRETE WIDTH, BETWEEN SAW-CUT AND EXISTING JOINT, SHALL BE NO LESS THAN FOUR (4) FEET.
5. REFER TO LANDSCAPE PLANS FOR ALL EXISTING TREE PROTECTION AND REMOVAL.

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BENCHMARKS:

1. MONUMENT DISK FOUND ON THE SOUTHEAST CORNER OF CONCRETE CURB INLET ON THE SOUTH RIGHT-OF-WAY LINE OF VAN CLEAVER DRIVE AND APPROXIMATELY 105'± WEST OF THE SOUTH INTERSECTION OF VAN CLEAVER DRIVE AND TIPS BOULEVARD.
ELEV.=411.98

2. SQUARE CUT ON CONCRETE CURB ON THE SOUTHEAST RIGHT-OF-WAY LINE OF MAGNA VISTA DRIVE AT THE SOUTHWEST INTERSECTION OF MAGNA VISTA DRIVE AND VAN CLEAVER DRIVE.
ELEV.=406.68

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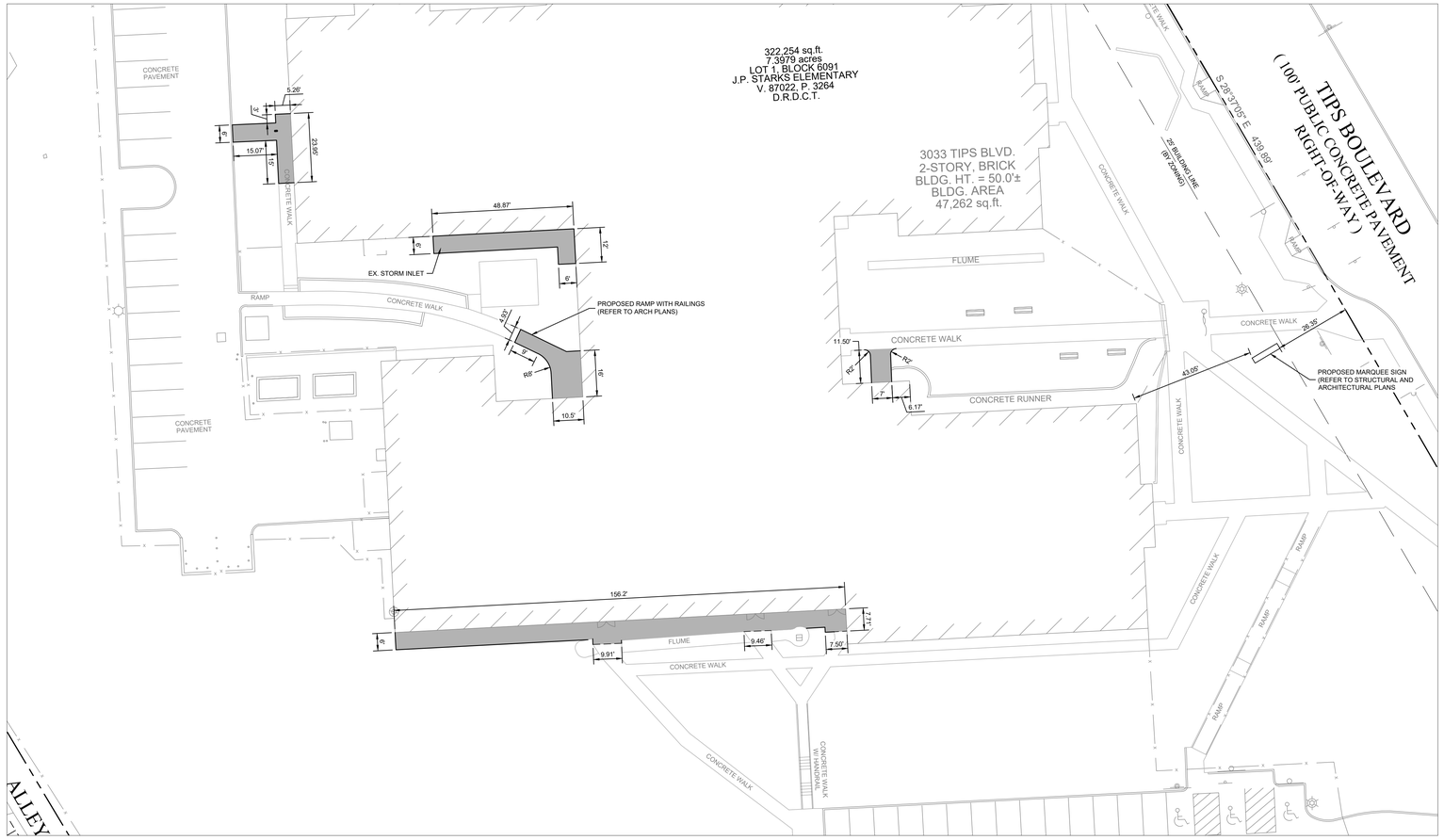
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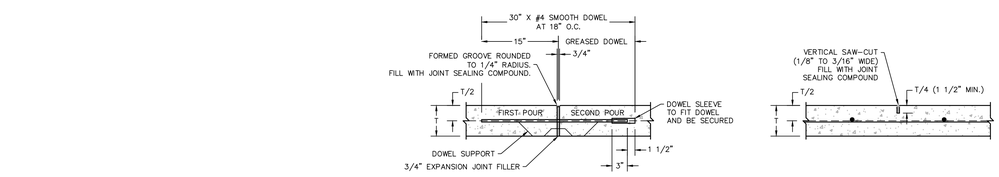
EXISTING CONDITIONS AND DEMOLITION PLAN

JOB NO. 25016

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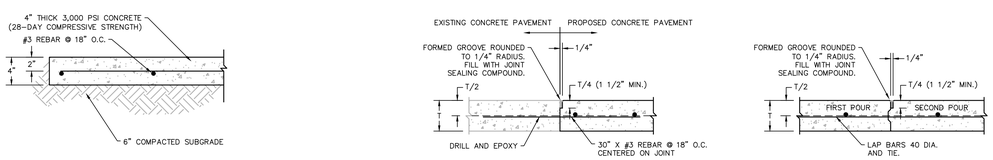
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EXPANSION JOINT **CONTRACTION/DUMMY JOINT**

*EXPANSION JOINTS REQUIRED EVERY 200 FEET OR LESS, AND CONTRACTION JOINTS EVERY 15 FEET OR LESS.



CONCRETE SIDEWALK DETAIL **SAWED CONSTRUCTION/BUTT JOINT** **CONSTRUCTION JOINT**

1 TYPICAL CONCRETE PAVEMENT DETAILS

Scale: Not to Scale

GRAPHIC SCALE

20 0 20 40

(IN FEET)
1 INCH = 20 FEET

LEGEND

- FULL DEPTH SAWCUT (APPROXIMATE)
- BOUNDARY / PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK
- EXISTING FENCE LINE
- CONCRETE SIDEWALK PAVEMENT (REFER TO DETAIL ON THIS SHEET FOR PAVEMENT THICKNESS INFORMATION)

SHEET NOTES

1. THE CONTRACTOR SHALL INSTALL EXPANSION JOINTS EVERY 100 FEET OR LESS, AND CONTRACTION JOINTS AT A DISTANCE EQUAL TO THE WIDTH OF THE SIDEWALK OR 10 FEET MAXIMUM, OR LESS FOR ALL CONCRETE SIDEWALKS.
2. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS-SLOPE OF 1:50 (2%) AND A MAXIMUM LONGITUDINAL SLOPE OF 1:20 (5%).
3. ALL SIDEWALKS, RAMPS, AND STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADA/TAS STANDARDS.
4. REFER TO ARCHITECTURAL PLANS FOR ALL CONCRETE FINISHES.
5. ALL DIMENSIONS ARE TO PROPERTY LINE, EASEMENT LINE, BUILDING FACE, OR FACE OF CURB UNLESS NOTED OTHERWISE.
6. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.

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ELEV.=411.98

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ELEV.=406.68

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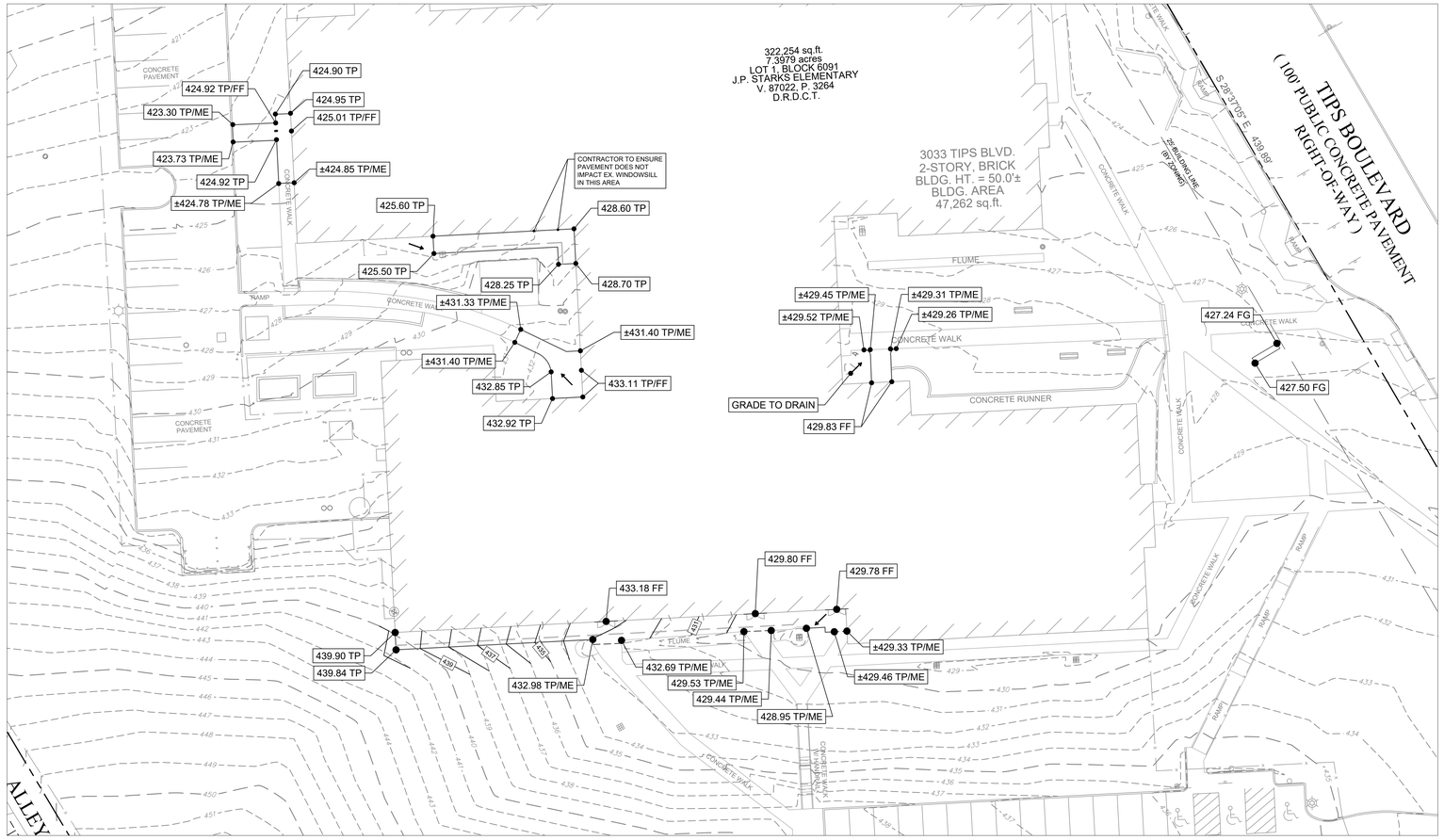
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PAVING & DIMENSION CONTROL PLAN

JOB NO. 25016

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GRAPHIC SCALE

20 0 20 40

(IN FEET)
1 INCH = 20 FEET

LEGEND

	BOUNDARY / PROPERTY LINE
	EASEMENT LINE
X X	EXISTING FENCE LINE
75	EXISTING CONTOUR (MAJOR INTERVAL)
74	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING STORM SEWER
OHE OHE	EXISTING OVERHEAD ELECTRIC LINE
GAS	EXISTING GAS MAIN
75	PROPOSED CONTOUR (MAJOR INTERVAL)
74	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED STORM SEWER LINE
575.00	EXISTING SPOT ELEVATION
575.00	PROPOSED SPOT ELEVATION
	SHEET FLOW DIRECTION
	SWALE FLOW DIRECTION

FF	FINISHED FLOOR	TW	TOP OF WALL
FG	FINISHED GRADE	BW	BOTTOM OF WALL
NG	NATURAL GRADE	TS	TOP OF STAIRS
ME	MATCH EXISTING	BS	BOTTOM OF STAIRS
TC	TOP OF CURB	TR	TOP OF RAMP
TP	TOP OF PAVEMENT	BR	BOTTOM OF RAMP
GT	GUTTER	BC	BUILDING CORNER
TB	TOP OF BERM	RIM	TOP OF AREA DRAIN GRATE
HP	HIGH POINT		
LP	LOW POINT		

SHEET NOTES

1. ALL SPOT ELEVATIONS AND CONTOURS REPRESENT THE TOP SURFACE OF PAVEMENT, OR FINISHED NATURAL GRADE, UNLESS OTHERWISE NOTED. IF THE CONTRACTOR WANTS TO ACHIEVE THE SUBGRADE ELEVATION, THEY SHALL SUBTRACT THE THICKNESS OF PAVEMENT AND ANY BASE MATERIALS.
2. UNLESS NOTED OTHERWISE, SPOT ELEVATIONS REPRESENT THE BASE OF CURB (FLOW LINE OF CURB) ELEVATION ON FACE OF CURB SIDE.
3. SIDEWALKS SHALL HAVE A MAXIMUM CROSS-SLOPE OF 1:50 (2%) AND A MAXIMUM LONGITUDINAL SLOPE OF 1:20 (5%). WHEN SIDEWALKS ARE UP AGAINST DOOR APPROACHES, THE IMMEDIATE AREA, 5 FEET IN FRONT OF THE DOOR AND 18" TO THE STRIKE SIDE OF THE DOOR, SHALL SLOPE AWAY FROM THE BUILDING AT 1% MINIMUM AND AT 2% MAXIMUM SLOPE IN ANY DIRECTION.
4. FINISH GRADE AT BUILDING PERIMETER IS 8" BELOW FINISH FLOOR, UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING AND TO LANDSCAPE DRAINS.
6. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING FINISH FLOOR ELEVATION AND FIELD VERIFY THAT THE PROPOSED ADDITION FINISH FLOOR MATCHES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES
7. THE MAXIMUM SLOPE IN UNPAVED AREAS SHALL BE 4:1 UNLESS OTHERWISE NOTED.
8. ALL SIDEWALKS, PARKING STALLS AND OTHER ACCESSIBLE SITE ELEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADA/TAS STANDARDS.
9. ACCESSIBLE RAMPS SHALL HAVE 1:12 MAXIMUM SLOPE WITH A 2% MAXIMUM CROSS-SLOPE. RAMP LANDINGS SHALL BE 2% MAXIMUM IN ALL DIRECTIONS.

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ELEV.=411.98

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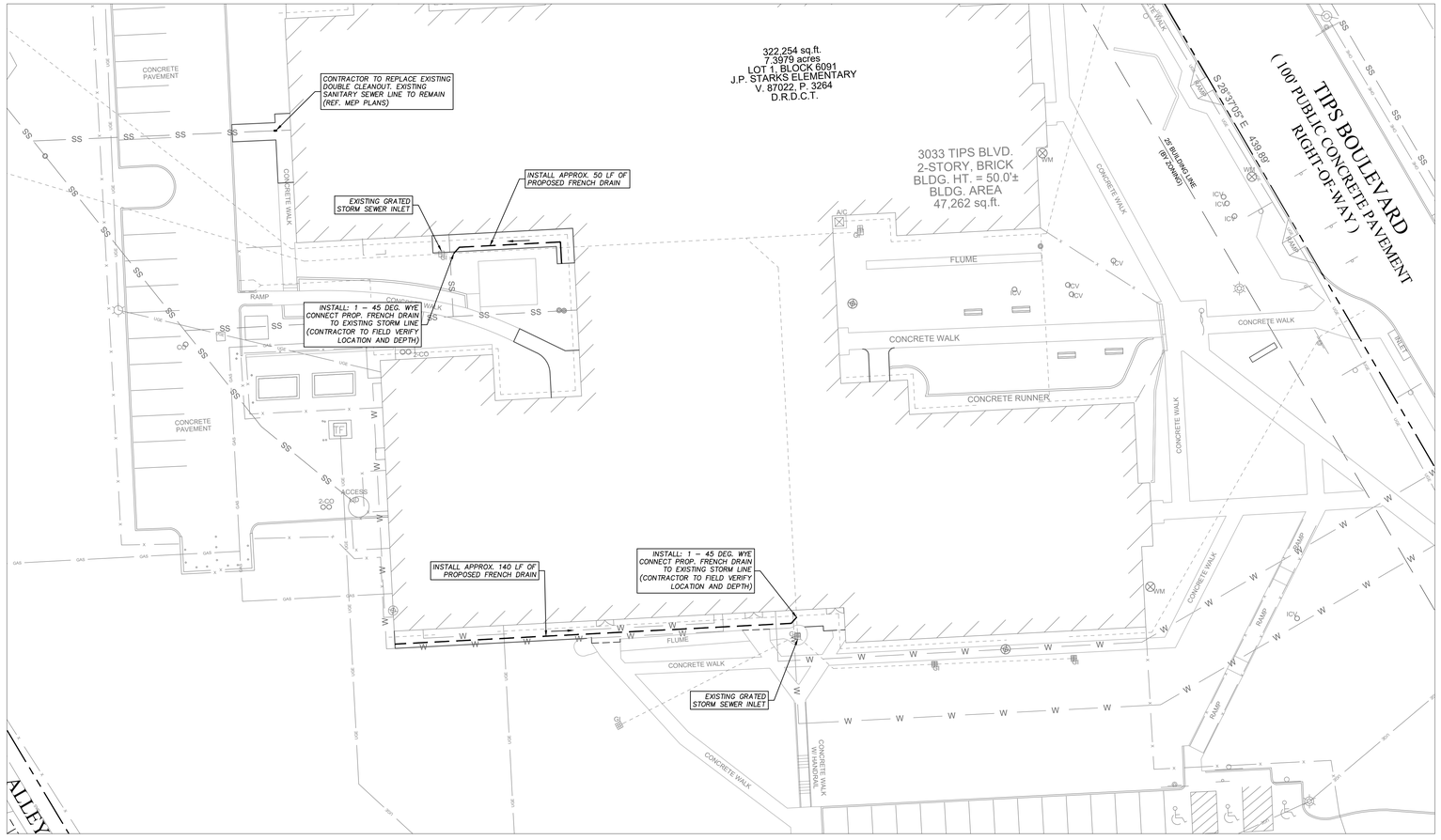
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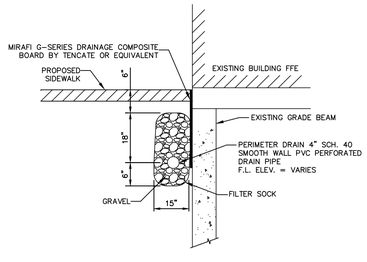
GRADING PLAN

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1 FRENCH DRAIN DETAIL

Scale: Not to Scale

GRAPHIC SCALE

20 0 20 40

(IN FEET)
1 INCH = 20 FEET

LEGEND

- EXISTING RIGHT OF WAY
- EASEMENT LINE
- EXISTING FENCE LINE
- EXISTING WATER LINE
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WASTEWATER MAIN
- EXISTING WASTEWATER MANHOLE
- EXISTING STORM SEWER
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNKNOWN COMMUNICATION LINE
- EXISTING GAS MAIN

SHEET NOTES

1. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND FIELD VERIFYING ALL EXISTING UTILITY AND UNDERGROUND UTILITY LINES THAT MAY BE AFFECTED BY CONSTRUCTION WORK. THESE EFFORTS SHALL INCLUDE BUT ARE NOT LIMITED TO: GROUND PENETRATING RADAR (GPR), REVIEW OF EXISTING PLANS, AND CONTRACTING TEXAS 811 ALONG WITH ANY OTHER FRANCHISE UTILITY COMPANY.
2. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UTILITY LINES (ABOVE AND UNDERGROUND WHILE PERFORMING WORK. ANY DAMAGED LINES WILL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. NOTIFY OWNER AND ENGINEER IF THERE ARE ANY FIELD DISCREPANCIES.
3. REFER TO MEP PLANS FOR EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
4. REFER TO MEP PLANS FOR ALL FRANCHISE UTILITIES.
5. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSING LOCATIONS AND NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES OR CONFLICTS.
6. REFER TO THE GENERAL NOTES ON SHEET C0.3.01 FOR ADDITIONAL NOTES REGARDING UTILITIES.
7. ALL PROPOSED IMPROVEMENTS MUST BE INSTALLED/CONSTRUCTED IN ACCORDANCE WITH CITY AND BUILDING CODE REQUIREMENTS.
8. TRENCHING, EMBEDMENT AND BACKFILL SHALL BE COMPLETED IN ACCORDANCE WITH CITY STANDARDS. REFER TO DETAILS.
9. FRENCH DRAIN TO BE CONSTRUCTED OF 4" SCH. 40 SMOOTH WALLED PVC PERFORATED DRAIN PIPE WITH FILTER SOCK.
10. FRENCH DRAIN TO BE INSTALLED AT A MINIMUM DEPTH OF 12" AND AT A MINIMUM OF 0.50% SLOPE.

!!WARNING!!
UNDERGROUND UTILITIES IN AREA! CONTRACTOR MUST CALL THE TEXAS EXCAVATION SAFETY SERVICE AT 1-800-DIG-TESS (1-800-344-8377) / TEXAS ONE CALL 1-800-245-4545 48 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

BENCHMARKS:

1. MONUMENT DISK FOUND ON THE SOUTHEAST CORNER OF CONCRETE CURB INLET ON THE SOUTH RIGHT-OF-WAY LINE OF VAN CLEAVER DRIVE AND APPROXIMATELY 105'± WEST OF THE SOUTH INTERSECTION OF VAN CLEAVER DRIVE AND TIPS BOULEVARD.
ELEV.=411.98

2. SQUARE CUT ON CONCRETE CURB ON THE SOUTHEAST RIGHT-OF-WAY LINE OF MAGNA VISTA DRIVE AT THE SOUTHWEST INTERSECTION OF MAGNA VISTA DRIVE AND VAN CLEAVER DRIVE.
ELEV.=406.68

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05/25/2026

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J.P. STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD (ORG #263)

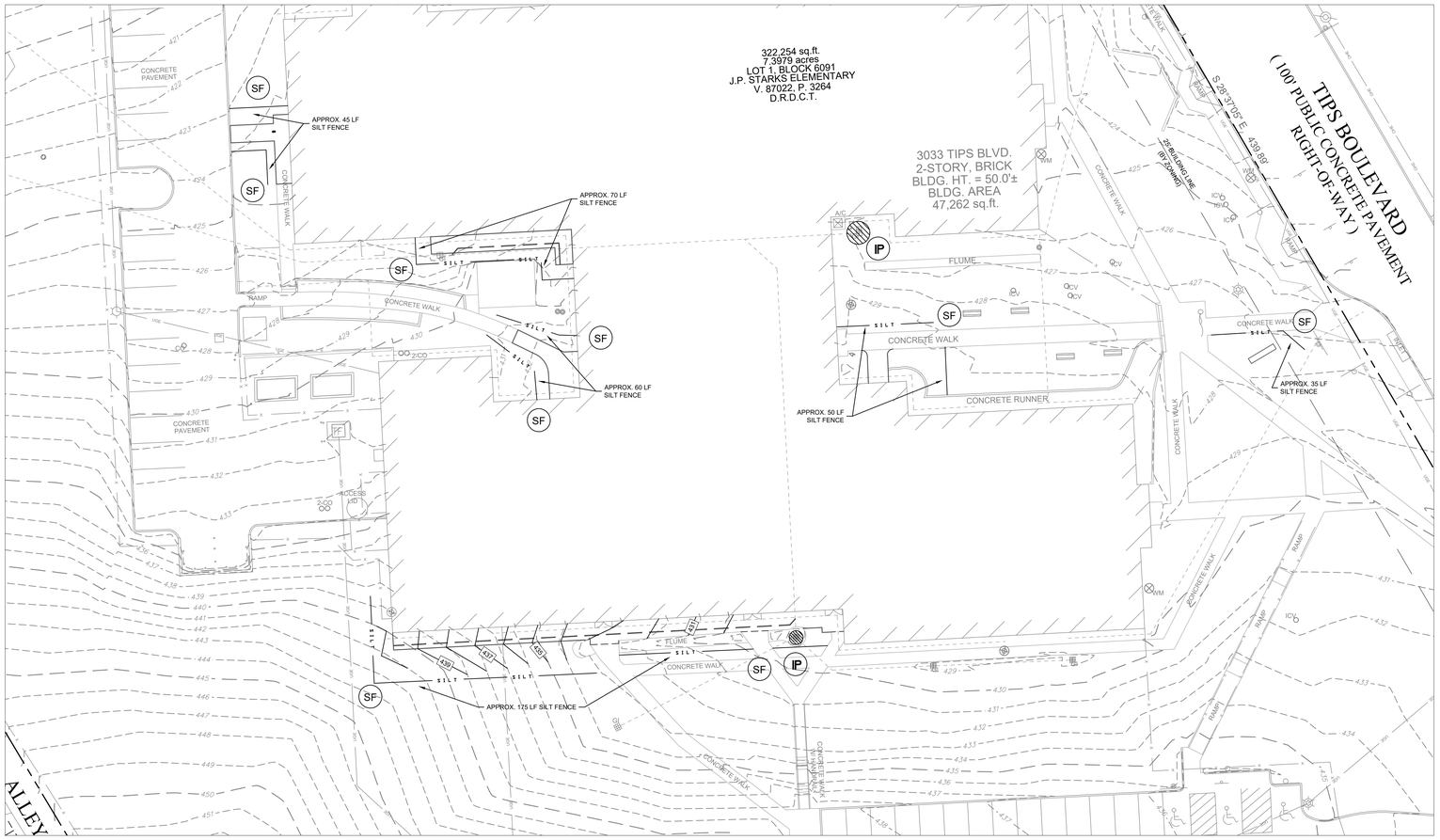
PROJECT
3033 TIPS BLVD.
ADDRESS
DALLAS TX
CITY STATE
75216
ZIP

UTILITY PLAN

JOB NO. 25016

DATE	ISSUE FOR	DRAWN BY
03-25-26	Bid Set	

C6.01



GRAPHIC SCALE

20 0 20 40

(IN FEET)
1 INCH = 20 FEET

LEGEND

- BOUNDARY / PROPERTY LINE
- EASEMENT LINE
- EXISTING FENCE LINE
- EXISTING CONTOUR (MAJOR INTERVAL) 75
- EXISTING CONTOUR (MINOR INTERVAL) 74
- PROPOSED CONTOUR (MAJOR INTERVAL) 75
- PROPOSED CONTOUR (MINOR INTERVAL) 74
- SILT — SF — PROPOSED SILT FENCE
- CE — PROPOSED CONSTRUCTION ENTRANCE/EXIT. (CONTRACTOR TO DETERMINE FINAL ENTRANCE LOCATION AFTER CONFIRMATION FROM OWNER.)
- IP — PROPOSED INLET PROTECTION

SHEET NOTES

1. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES AND FOLLOW THE SWPPP, IF APPLICABLE, PRIOR TO ALL DEMOLITION AND SITE DISTURBANCE ACTIVITIES.
2. CONTRACTOR TO PROVIDE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROLS AS SEEN FIT FOR THE SCOPE OF THE PROJECT.
3. EROSION CONTROL MEASURES ARE ONGOING. THE CONTRACTOR SHALL MAKE FIELD CHANGES AS CONSTRUCTION OCCURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK WITH CITY INSPECTORS TO COMPLY WITH ALL EROSION PROTECTION REQUIREMENTS.
4. CONTRACTOR TO REFER TO EROSION CONTROL DETAILS INCLUDED IN THIS PLAN SET.
5. CONTRACTOR TO SOD ALL DISTURBED SOIL OR DAMAGED VEGETATION DUE TO DEMOLITION OR CONSTRUCTION AT THE COMPLETION OF THE PROJECT.

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UNDERGROUND UTILITIES IN AREA! CONTRACTOR MUST CALL THE TEXAS EXCAVATION SAFETY SERVICE AT 1-800-DIG-TESS (1-800-344-8377) / TEXAS ONE CALL 1-800-245-4545 48 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

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EROSION CONTROL PLAN

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
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EROSION CONTROL NOTES

1. EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF DALLAS.
3. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
4. IF OFF-SITE BORROW OR SPOILS SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFF-SITE BORROW AND SPOILS AREAS ARE CONSIDERED PART OF EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.
5. INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION HALL SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE INSTALLATION.
6. CONTRACTOR SHALL HAVE A COPY THE SWPPP ON SITE AT ALL TIMES.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE E.P.A. CONTRACTOR SHALL COMPLY WITH ALL E.P.A. STORM WATER POLLUTION PREVENTION REQUIREMENTS.

EROSION CONTROL SCHEDULE AND SEQUENCE

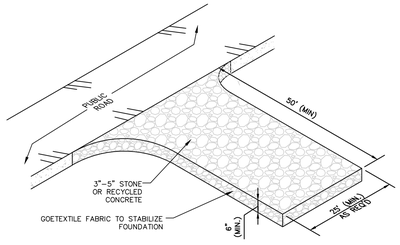
THE PROJECT SHALL GENERALLY CONFORM TO THE FOLLOWING:

PHASE 1 – DEMOLITION/GRADING
- A. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, AND TREE PROTECTION FENCE ACCORDING TO THE APPROXIMATE LOCATION SHOWN ON GRADING AND EROSION CONTROL PLAN, NOTES, AND DETAIL SHEETS.
- B. BEGIN CLEARING AND GRADING OF SITE.
- C. SEED AND REVEGETATE SLOPES WHERE SHOWN.

PHASE 2 – UTILITIES
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE.
- B. INSTALL STORM DRAINS AS SPECIFIED ON PLAN SHEETS.
- C. INSTALL INLET PROTECTION.

PHASE 3 – PAVING
- A. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE. REMOVE AS NEEDED TO PAVE.
- B. STABILIZE SUBGRADE.
- C. PAVE PARKING LOT AND SIDEWALKS AS SPECIFIED ON PLAN SHEETS.
- D. REMOVE TEMPORARY CONSTRUCTION ENTRANCE.
- E. MAINTAIN INLET PROTECTION.

PHASE 4 – LANDSCAPING AND SOIL STABILIZATION
- A. REVEGETATE LOT AND PARKWAYS
- B. LANDSCAPE CONTRACTOR SHALL REVEGETATE ALL AREAS RESERVED FOR LANDSCAPE VEGETATIVE COVERS.
- C. REMOVE EROSION CONTROL DEVICES WHEN GROUND COVER ESTABLISHED.

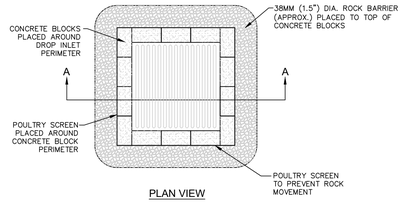


ISOMETRIC PLAN VIEW

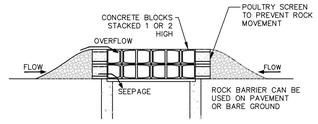
NOTES

1. THE CONSTRUCTION ENTRANCE SHALL BE SLOPED AWAY FROM THE PAVED SURFACE SO THAT STORMWATER FROM THE SITE DOES NOT EXIT AND DISCHARGE THROUGH THE CONSTRUCTION ENTRANCE.
2. THE GEOTEXTILE FABRIC SHALL MEET THE MINIMUM FOLLOWING CRITERIA:
   - A. TENSILE STRENGTH, ASTM D4632 TEST METHOD FOR GRAB BREAKING LOAD AND ELONGATION OF GEOTEXTILES: 300 LBS
   - B. PUNCTURE STRENGTH, ASTM 4833 TEST METHOD FOR INDEX PUNCTURE RESISTANCE OF GEOMEMBRANES AND RELATED PRODUCTS: 120 LBS
   - C. MULLEN BURST RATING, ASTM D3786 STANDARD TEST METHOD FOR HYDRAULIC BURSTING STRENGTH OF TEXTILE FABRICS–DIAPHRAGM BURSTING STRENGTH TESTER METHOD: 600 PSI
   - D. APPARENT OPENING SIZE, ASTM D 4751 TEST METHOD OF DETERMINING APPARENT OPENING SIZE OF A GEOTEXTILE: US SIEVE NO. 40 (MAX)
3. ROCK ITSELF MAY NOT BE SUFFICIENT TO REMOVE CLAY SOILS FROM WHEELS, PARTICULARLY IN WET CONDITIONS. WHEN NECESSARY, VEHICLES MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING PAVED ROADS, STREETS OR PARKING LOTS.

1 CONSTRUCTION ENTRANCE/EXIT — Scale: Not to Scale

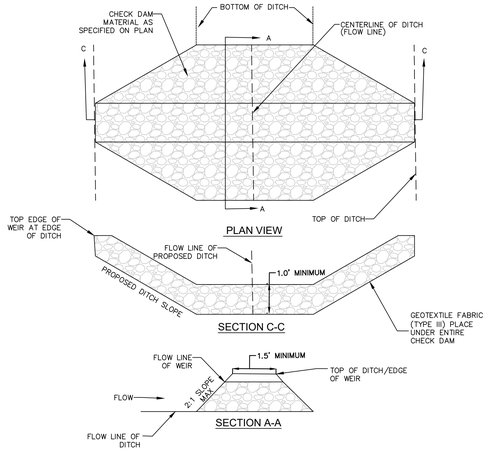


PLAN VIEW

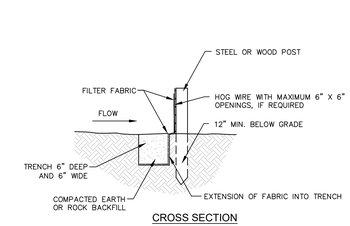


CROSS SECTION A-A

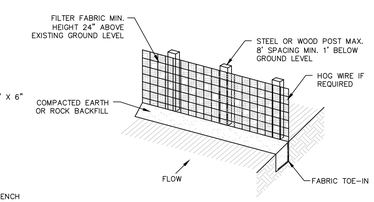
3 INLET PROTECTION — Scale: Not to Scale



5 ROCK CHECK DAM — Scale: Not to Scale



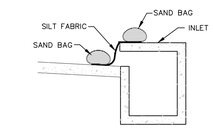
CROSS SECTION



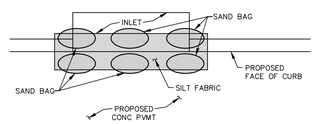
ISOMETRIC PLAN VIEW

SILT FENCE DETAIL
N.T.S.

2 SILT FENCE — Scale: Not to Scale



CROSS SECTION



PLAN VIEW

4 INLET PROTECTION — Scale: Not to Scale

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EROSION CONTROL DETAILS

JOB NO. **25016**

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GENERAL STRUCTURAL NOTES

ABBREVIATIONS USED ON STRUCTURAL DRAWINGS

(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED)

A

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
ADJ	ADJACENT
ADDM	ADDENDUM
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
ARCH'L	ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWG	AMERICAN WIRE GAGE
AWS	AMERICAN WELDING SOCIETY

B

B/B	BACK TO BACK
BL	BUILDING LINE
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BLOCK-OUT
BOS	BOTTOM OF STEEL
BOT	BOTTOM (BOTTOM FACE, LAYER, SIDE)
B PL	BASE PLATE
BRDG	BRIDGING
BRG	BEARING
BTWN	BETWEEN

C

C	AMERICAN STANDARD CHANNEL (STRUCTURAL SHAPE)
C/C	CENTER TO CENTER
CANT	CANTILEVER
CG	CENTER OF GRAVITY
CI	CAST IRON
CIR	CIRCLE
CIRC	CIRCULAR
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COM	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTJ	CONTROL JOINT
CTR	CENTER
CU FT	CUBIC FOOT
CU YD	CUBIC YARD

D

D	DEPTH
DAT	DATUM
DBA	DEFORMED BAR ANCHOR
DEG	DEGREE
DEMO	DEMOLISH
DET'L	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVIDE
DL	DEAD LOAD
DBL	DOUBLE
DWLS	DOWELS
DN	DOWN
DWG	DRAWING

E

E	EAST, MODULUS OF ELASTICITY
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST'G	EXISTING
EXP	EXPANSION
EXP BT	EXPANSION BOLT
EJ	EXPANSION JOINT
EXT	EXTERIOR

F

FABR	FABRICATOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FF EL	FINISH FLOOR ELEVATION
FIN FLR	FINISH FLOOR
FIN	FINISH(ED)
FLG	FLANGE
FLR	FLOOR
FOS	FACE OF STUD
FP	FIREPROOFING
FS	FAR SIDE
FT	FOOT
FTG	FOOTING
FV	FIELD VERIFY

G

GA	GAGE OR GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GEN'L	GENERAL
GL	GLULAM
GR BM	GRADE BEAM

H

HEX	HEXAGON(AL)
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSA	HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SHAPE
HT	HEIGHT
HVAC	HEATING VENTILATION AND AIR CONDITIONING

I

I	MOMENT OF INERTIA
INFO	INFORMATION
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
INCL	INCLUDE(D)(ING)(SIVE)
INS	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE

J

JT	JOINT
JST	JOIST

K

K	KIP (1000 POUNDS)
KLF	KIP PER LINEAR FOOT
KSF	KIP PER SQUARE FOOT

L

L	LITER
L	ANGLE (STRUCTURAL SHAPE)
LB	POUND
LH	LEFT HAND
LL	LIVE LOAD
LONG	LONGITUDAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT WT	LIGHT WEIGHT
LP	LOW POINT

M

MAU	MAKE UP AIR UNIT(S)
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MCJ	MASONRY CONTROL JOINT
MECH'L	MECHANICAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODIFY
M	MOMENT
MC	MOMENT CONNECTIONS
MTL	METAL

N

N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NS	NEAR SIDE (FACE)
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFD	OVER FLOW DRAIN
OH DR	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OH	OPPOSITE HAND
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

P

PAR	PARALLEL
PAF	POWDER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PCI	PRESTRESSED CONCRETE INSTITUTE
PEMB	PRE-ENGINEERED METAL BUILDING
PENET	PENETRATION
PERP	PERPENDICULAR
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSION
PVC	POLYVINYL CHLORIDE
PLYWD	PLYWOOD
PVG	PAVING

Q

QC	QUALITY CONTROL
QTY	QUANTITY

R

R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
REV	REVISION
RF	RIGID FRAME
RH	RIGHT HAND(ED)
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT

S

S	SOUTH
SCH	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SC	SLIP CONNECTION
SOG	SLAB ON GRADE
SPA	SPACE
SPEC	SPECIFICATION
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STIFF	STIFFENER
STIR	STIRRUPS
STRUCT	STRUCTURAL
SYM	SYMMETRICAL

T

T	TENSION
TAN	TANGENT
TEMP	TEMPORARY
TERR	TERRAZZO
THK	THICKNESS
T&B	TOP AND BOTTOM
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOG	TOP OF GRADE
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PIER
TOS	TOP OF STEEL
TOW	TOP OF WALL
TL	TOTAL LOAD
TCX	TOP CHORD EXTENSION
TS	TUBE STEEL
TYP	TYPICAL
T&G	TONGUE AND GROOVE

U

UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORIES, INC.
ULT	ULTIMATE
UNO	UNLESS NOTED OTHERWISE

V

V	SHEAR
VAR	VARIES
VERT	VERTICAL

W

W	WEST
WLD	WELDED
WP	WORK POINT
WWF	WELDED WIRE FABRIC
WB	WIND-BRACING
WS	WATERSTOP
WT	WEIGHT
W/	WITH
W/O	WITHOUT

01-GENERAL

1. THIS PROJECT SHALL MEET ALL REQUIREMENTS OF THE 2021 INTERNATIONAL BUILDING CODE AND THE CITY OF DALLAS, TEXAS.

2. DESIGN LIVE LOADS:
   - ROOF: 20 PSF
   - FLOOR LOAD
     - KITCHEN: 100 PSF
     - CLASSROOM: 40 PSF
     - CORRIDORS: 80 PSF
     - LIGHT STORAGE: 125 PSF

3. DESIGN WIND LOADS
   - RISK CATEGORY = III
   - BASIC WIND SPEED = 112 MPH
   - Iw = 1.15
   - WIND EXPOSURE C
   - APPLICABLE INTERNAL COEFFICIENT (GCpi): INCLUDED
   - MWFRS (MAIN WIND FORCE RESISTING SYSTEM): PER ASCE 7-16
   - COMPONENTS AND CLADDING:

4. EARTHQUAKE DESIGN DATA:
   - a. RISK CATEGORY = III
   - b. SEISMIC IMPORTANCE FACTOR, IE: 1.25
   - c. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
     - I. SS: 0.095
     - II. S1: 0.053
   - d. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
     - I. SDS: 0.092
     - II. SD1: 0.093
   - e. SEISMIC DESIGN CATEGORY: A

5. SHOP DRAWINGS: A PDF FILE AND ONE (1) PRINT OF EACH DRAWING ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. DISTRIBUTION OF PRINTS IS TO BE MADE ONLY FROM PDF FILES AND / OR PRINTS BEARING A SIGNED REVIEW STAMP. NO WORK ON ITEMS SHOWN THEREON IS TO PROCEED UNLESS THE STAMP CLEARLY INDICATES "NO EXCEPTIONS TAKEN" OR "MAKE CORRECTIONS NOTED". GENERAL CONTRACTOR SHALL PRE-CHECK ALL SHOP DRAWINGS BEFORE SUBMISSION TO ENGINEER FOR REVIEW. THE CONTRACTOR SHALL ALLOW THE ENGINEER TWO WEEKS FOR REVIEWING THE SHOP DRAWINGS. REFER TO "SUBMITTALS" SECTION OF GENERAL NOTES FOR ADDITIONAL INFORMATION.

6. STRUCTURAL DRAWINGS MAY NOT BE USED AS SHOP DRAWINGS.

7. WHERE LINTELS ARE NOT OTHERWISE SHOWN OR SPECIFIED, LINTELS IN BRICKWALLS SHALL CONSIST OF 1 L 4x3 1/2x5/16 FOR EACH 4" THICKNESS OF BRICK. AND LINTELS IN BLOCK WALLS SHALL CONSIST OF CONCRETE GROUT FILLED TROUGH BLOCK, NOT LESS THAN 8" HIGH REINFORCED WITH 2-#5 BARS FOR ONE BOTTOM FOR EACH 4" THICKNESS OF THE BLOCK GREATER THAN 8". ALL LINTELS SHALL BEAR 1" PER FOOT OF SPAN WITH A MINIMUM OF 8".

8. ALL SHELF ANGLES AND BOLTS TO BE GALVANIZED. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE ELEMENTS, OR SOIL SHALL BE GALVANIZED (G60) OR TREATED WITH HIGH PERFORMANCE PAINT PER THE SPECIFICATIONS.

9. PROVIDE A CONTINUOUS TROUGH BLOCK 8" x 8" MINIMUM, REINFORCED WITH 2-#5 BARS AT THE TOP OF ALL MASONRY WALLS, FILL WITH CONCRETE GROUT.

10. VERIFY THE SIZE AND LOCATION OF ALL MECHANICAL AND ELECTRICAL OPENINGS, AND VERIFY NO CONFLICT WITH STRUCTURAL ELEMENTS. CONSULT STRUCTURAL ENGINEER IF LOCATIONS OR WEIGHTS OF ROOF TOP UNITS OR OTHER MECHANICAL EQUIPMENT DIFFER FROM THOSE SHOWN ON PLAN.

11. PROVIDE ALL CONCRETE PADS, TRAPS, BASINS, ETC., SHOWN ON MECHANICAL DRAWINGS WHERE INDICATED TO BE SUPPLIED BY GENERAL CONTRACTOR.

12. VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND EXISTING CONDITIONS. CONTRACTOR IS TO NOTIFY ARCHITECT AND OBTAIN CLARIFICATION IN WRITING PRIOR TO PROCEEDING.

13. STACKS OF MATERIALS OR OTHER CONSTRUCTION LOADS PLACED ON THE STRUCTURE SHALL NOT EXCEED THE STATED DESIGN LIVE LOAD FOR THE AREA AFFECTED UNLESS ADEQUATELY SHORED.

14. WHERE DIMENSIONS ARE PROVIDED FOR OPENINGS, BLOCK OUTS, FLOOR DEPRESSIONS, CURBS, ETC., BUT MAY BE AFFECTED BY THE EQUIPMENT PURCHASED, THE CONTRACTOR SHALL VERIFY THE INFORMATION PROVIDED PRIOR TO CONSTRUCTION.

02-FOUNDATION

1. FOUNDATIONS ARE DESIGNED TO MEET THE RECOMMENDATIONS CONTAINED IN A REPORT PREPARED FOR THIS PROJECT BY ECS SOUTHWEST, LLP, DATE DEC 17, 2025, REPORT NO 19:10209.

2. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING VALUE OF 6,000# PSF IN GRAY LIMESTONE, AT MINIMUM DEPTH OF 4 FEET BELOW EXISTING GRADE.

3. DRILLED PIER SHAFT SHOWN ARE THE MINIMUM PER STRUCTURAL REQUIREMENTS.

4. THE PRICE FOR CASING OF PIERS SHALL NOT BE INCLUDED WITHIN THE BASE BID. PROVIDE A UNIT PRICE (ADD AND DEDUCT) FOR EACH PIER/CASING SIZE CALLED OUT ON THE PLANS. PAYMENT FOR CASING SHALL BE BASED UPON THE NET LENGTH OF CASING UTILIZED ON THE PROJECT.

5. GRADE BEAM DEPTHS SHALL BE INCREASED, IF NECESSARY BY FIELD CHANGE, TO EXTEND A MINIMUM OF 6" BELOW FINISH GRADE/FROST LINE.

6. ALL GRADE BEAMS AND WALLS SHALL BE SUPPORTED ON 8" CARTON FORMS COATED WITH PARAFFIN CONTAINING 10% POLYETHYLENE AND DESIGNED TO CARRY THE WET CONCRETE ("SUREVOID" OR EQUAL). PROVIDE PRECAST CONCRETE PANS, OR "SURERETAINER" SOIL RETAINERS ON EACH SIDE OF THE BEAM. ALL SLABS SHALL BE SUPPORTED ON 15 MIL. VAPOR BARRIER OVER PROTECTION BOARD ON 8" CARTON FORMS DESIGNED TO CARRY THE WET CONCRETE ("SUREVOID OR EQUAL). GRADE BEAM BOTTOM REINFORCING SHALL BE CHAIRED AT 5'-0" C/C MAXIMUM USING BEAM BOLSTERS PROVIDING 2" BOTTOM COVER TO REINFORCING STEEL. (BRICK CHAIRS NOT ALLOWED)

7. SIDES OF ALL GRADE BEAMS SHALL BE FORMED WITH LUMBER, PLYWOOD OR STEEL. SEE SPECIFICATIONS. EARTH FORMING IS NOT ALLOWED.

8. EXPOSED FACES OF GRADE BEAMS SHALL BE RUBBED WITHIN 24 HOURS AFTER POURING.

9. ALL PIERS SHALL BE CENTERED UNDER GRADE BEAMS AND COLUMNS UNLESS OTHERWISE SHOWN.

10. VERIFY DEPTHS OF PIERS BEFORE PIER STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO THE JOB SITE IN STANDARD 60'-0" LENGTHS AND CUT AS REQUIRED. CLASS "B" LAPS WILL BE ALLOWED IN THE PIER STEEL. NO MORE THAN 50% OF BARS ARE TO BE LAPPED IN ANY 5'-0" LENGTH OF THE PIER.

11. BASEMENT WALLS/SLAB SHALL BE WATERPROOFED. REFER TO ARCHITECTURAL AND SPECIFICATIONS.

03-EARTH WORK

1. ALL EARTH WORK AND SITE PREPARATIONS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT. ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL LAB.

2. ALL FILL MATERIAL SHALL MEET THE RECOMMENDATIONS PER THE GEOTECHNICAL REPORT. BRACE ALL WALLS AND GRADE BEAMS AS REQUIRED DURING COMPACTION OPERATION.

3. ANY EXISTING FILLS OR UNSUITABLE SOILS AS DETERMINED BY THE GEOTECH SHALL BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED SOIL.

4. PROPOSED PAD SHOULD BE ON MOISTURE CONDITIONED SOILS WITH 1 FT OF SELECT FILL/FLEX BASE. REFER TO GEOTECHNICAL REPORT FOR DEPTH OF MOISTURE CONDITIONED SOILS

5. UNDERCUTTING AND PLACEMENT OF MOISTURE CONDITIONED FILL SHOULD EXTEND A MINIMUM OF 5 FEET BEYOND BUILDING FOOTPRINT.

6. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

04-CONCRETE

1. ALL CONCRETE AND METAL REINFORCEMENT SHALL BE FABRICATED AND PLACED IN CONFORMITY WITH THE "ACI STANDARD BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-14)

2. POURED IN PLACE CONCRETE SHALL STRICTLY ADHERE TO THE PROPORTIONS, ESTABLISHED IN DESIGN MIXES, CONSISTING OF THE ACTUAL MATERIALS TO BE USED DURING CONSTRUCTION, FOR THE SEVERAL STRENGTHS AND USES INTENDED. THESE DESIGN MIXES ARE TO BE PREPARED BY A PRE-QUALIFIED LABORATORY, AND THE MATERIALS AND TEST RESULTS ARE TO BE REVIEWED BY THE ENGINEER AND OWNER'S LAB REPRESENTATIVE PRIOR TO USE.

3. POURED IN PLACE CONCRETE IS TO BE NORMAL WEIGHT AND IS TO DEVELOP COMPRESSIVE STRENGTH F'C AT 28 DAYS PER CLASS OF CONCRETE SCHEDULE.

4. UNLESS OTHERWISE NOTED, METAL REINFORCEMENT FOR POURED IN PLACE CONCRETE IS TO BE ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. (GRADE 75 FOR COLUMN BARS #7 AND LARGER)

5. VERIFY THE PRESENCE, LOCATION, SIZES AND CORRECTNESS OF ALL OPENINGS, SLAB DEPRESSIONS AND EMBEDMENTS REQUIRED PRIOR TO CONCRETING. NO OPENINGS SHALL BE PERMITTED THROUGH BEAMS OR COLUMNS UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR REVIEWED BY THE STRUCTURAL ENGINEER.

6. PROPER ACCESSORIES/SUPPORTS ARE TO BE USED AS NOTED AND REVIEWED ON THE SHOP DRAWINGS. ALL REINFORCING TO BE SECURELY AND ACCURATELY HELD IN LOCATIONS SHOWN ON THE PLANS.

7. CONSTRUCTION JOINTS OF ALL TYPES MAY BE USED ONLY WHERE SHOWN ON THE FABRICATOR'S REVIEWED PLACING DRAWINGS.

8. PROVIDE CORNER BARS IN ALL GRADE BEAMS AND WALLS OF SAME SIZE AND SPACING AS ADJACENT BARS, UNLESS OTHERWISE NOTED.

9. PROVIDE STANDARD 90 DEGREE HOOKS ON ALL BARS AT BEAM ENDS. IF BEAM DEPTH IS PROHIBITIVE, USE STANDARD 180 DEGREE HOOK.

10. BARS SCHEDULED AS CONTINUOUS SHALL BE SPLICED WITH A CLASS "B" LAP AND SPLICED AS FOLLOWS: TOP BARS AT CENTERLINE OF ANY SPAN. BOTTOM BARS OVER ANY SUPPORT.

11. UNLESS OTHERWISE SHOWN, ALL SLABS AND STEPS ON FILL SHALL BE REINFORCED WITH #4 BARS AT 18" CENTERS EACH WAY, SUPPORTED TWO INCHES FROM THE TOP OF SLAB, LAP 22" AT SPLICES.

12. POUR SLABS ON GRADE IN SECTIONS NOT TO EXCEED 225 SF SEPARATED BY KEYED OR DOUELED CONSTRUCTION CONTROL JOINTS OR SAWED JOINTS. NO DIMENSION IN EITHER DIRECTION IS TO EXCEED 15'-0".

13. VERIFY DEPTHS OF PIERS BEFORE PIER STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO THE JOB SITE IN STANDARD 60'-0" LENGTHS AND CUT AS REQUIRED. CLASS "B" LAPS WILL BE ALLOWED IN THE PIER STEEL. NO MORE THAN 50% OF BARS ARE TO BE LAPPED IN ANY 5'-0" LENGTH OF THE PIER.

05-MASONRY

1. ALL MASONRY TO HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH F'M OF 1500 PSI AT THE AGE OF 28 DAYS.

2. ALL CMU (CONCRETE MASONRY UNITS) TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2150 PSI OVER NET AREA. ASTM C90, GRADE N, TYPE I, LIGHTWEIGHT AGGREGATE.

3. MORTAR SHALL BE TYPE S.

4. CONSTRUCTION TO COMPLY WITH ACI/ASCE 530.

5. CONTRACTOR TO BE RESPONSIBLE FOR BRACING ALL MASONRY WALLS DURING CONSTRUCTION AND UNTIL ENTIRE STRUCTURE IS COMPLETE.

6. MASONRY DESIGN IS BASED ON THE CRITERIA THAT INSPECTION IS REQUIRED. INSPECTION SHALL COMPLY WITH SECTION 1704.5.2 AND TABLE 1704.5.1 OF IBC, AND SECTION 1.19.3 AND TABLE 1.19.2 OF ACI/ASCE 530.02.

7. GROUT FOR BOND BEAMS AND GROUT FILLED CELLS SHALL MEET PROPORTION REQUIREMENTS OF ASTM C476 AND SHALL HAVE A COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.

8. GROUT POURS SHALL NOT EXCEED 4 FEET IN HEIGHT EXCEPT WHERE CLEAN OUTS ARE PROVIDED IN THE BOTTOM COURSE OF THE CELL TO BE FILLED.

9. VERTICAL REINFORCING BARS SHALL BE ASTM A-615, GRADE 60 AND TO BE HELD IN PLACE UNTIL GROUT IS SET. PLACE IN CENTER OF WALL. REINFORCE CMU WALLS IN GROUTED CELLS AS FOLLOWS, UNLESS NOTED OTHERWISE ON DRAWINGS:
   - a. 12" CMU WALL #7 AT 8" C/C

10. STEEL LINTELS FOR OPENINGS GREATER THAN 6'-0" SHALL BE SHORED AT MID SPAN UNTIL THE SUPPORTED BRICK WALL HAS CURED.

11. PROVIDE A VERTICAL BAR, THAT MATCHES WALL VERTICAL REINFORCING SIZE, ADJACENT TO ALL OPENINGS (DOORS, ETC), AT ENDS OF WALLS, AND ADJACENT TO ALL VERTICAL MASONRY CONTROL JOINTS.

12. CONTROL JOINTS SHALL BE 2'-8" OR HALF THE DOOR WIDTH +/- WHICHEVER IS GREATER FROM DOOR. VERTICAL CONTROL JOINTS SHALL BE LOCATED AT 25'-0" MAX. ON CENTER.

13. REINFORCE CONCRETE MASONRY UNIT JOINTS WITH LADDER TYPE HOT DIP GALVANIZED COLD-DRAWN STEEL CONFORMING TO ANSI/ASTM A82, WITH W2.8 SIDE RODS WITH W2.8 CROSS RODS.
   - A. SPACE JOINT REINFORCING AT 16" C/C, UNLESS NOTED OTHERWISE.
   - B. LAP JOINT REINFORCING 14" AT SPLICES.
   - C. JOINT REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS AND EXPANSION JOINTS.
   - D. PROVIDE PREFABRICATED JOINT REINFORCING CORNER PIECES AT ALL WALL CORNERS AND INTERSECTIONS.

06-POST INSTALLED ANCHORS

POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR. ALL POST INSTALLED ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S CURRENT PUBLISHED INSTALLATION INSTRUCTIONS (MPII). INSTALLATION OF ADHESIVE ANCHORS EITHER HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED ONLY BY ACI-CRSI CERTIFIED ADHESIVE ANCHOR INSTALLERS.

SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THEN THOSE LISTED BELOW, SHALL BE SUBMITTED TO THE ENGINEER WITH CALCULATIONS THAT ARE PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER SHOWING THAT THE SUBSTITUTED PRODUCTS WILL ACHIEVE AN EQUIVALENT CAPACITY. UNLESS OTHERWISE NOTED ON THE PLANS, ANCHORS SHALL BE:

1. GROUTED MASONRY EXPANSION ANCHORS
   - a. "WEDGE-ALL" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   - b. KWIK BOLT III EXP. ANCHOR BY HILTI CORP.
   - c. POWER-STUF + SD 1 BY POWERS FASTENERS

2. CONCRETE AND MASONRY SCREW ANCHORS
   - a. ALL SCREW ANCHORS SHALL BE INSTALLED IN DRY INTERIOR NON-CORROSIVE ENVIRONMENTS OR FOR TEMPORARY OUTDOOR APPLICATIONS.
   - b. "TITEN HD" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   - c. HUS-H SCREW ANCHOR BY HILTI CORP.
   - d. WEDGE-BOLT BY POWERS FASTENERS

06-POST INSTALLED ANCHORS CONTINUED

3. ADHESIVE ANCHORS
   - a. ADHESIVE ANCHORS SHALL CONSIST OF AN INSERT AND AN ADHESIVE FORMULA SPECIFIED BY THE MANUFACTURER. INSERTS SHALL MEET THE REQUIREMENTS OF ASTM A307, A36, A193-B7 OR F593-4 FOR THREADED RODS OR ASTM A615 OR A706 FOR REBAR UNLESS NOTED OTHERWISE.
   - b. ALL ADHESIVE ANCHORS SHALL BE ACCEPTABLE FOR LONG TERM LOADING. ONLY NON EPOXY BASED ADHESIVES SHALL BE USED WHEN BASE MATERIAL TEMPERATURES ARE BELOW 40 DEG. F.
   - c. PROVIDE SCREEN TUBES OR APPROVED MANUFACTURER APPARATUS FOR INSTALLATION IN UNGROUTED MASONRY OR BRICK VOID SPACE OR CELLS.
   - d. "SET EPOXY" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   - e. "ACRYLIC-TIE" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   - f. HILTI HIT-HY200 SAFE SET (ESR-3187) BY HILTI CORPORATION
   - g. HILTI HIT-HY70 (ESR-3682) BY HILTI CORPORATION
   - h. HILTI RE 500V3 SAFE SET (ESR-3814) BY HILTI CORPORATION
   - i. AC 100+ GOLD BY POWERS FASTENERS (FOR CONCRETE AND MASONRY)
   - j. PURE 110+ BY POWERS FASTENERS (FOR CONCRETE)

07-SUBMITTALS

1. SUBMITTAL LIST AND SCHEDULE
   THE GENERAL CONTRACTOR SHALL PREPARE A DETAILED LIST AND SCHEDULE OF ALL SUBMITTAL ITEMS TO BE SENT TO THE STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION. THIS LIST SHALL BE UPDATED AND REVISED AND KEPT CURRENT AS THE JOB PROGRESSES. THE SUBMITTAL LIST SHALL BE ORGANIZED AS SHOWN BELOW.
   - A. SHOP DRAWINGS
   - B. MANUFACTURERS LITERATURE FOR PRODUCTS, ASSEMBLIES, AND HARDWARE
   - C. PRODUCTS, ASSEMBLIES AND HARDWARE
   - D. PRODUCT CERTIFICATIONS, MILL CERTIFICATES, AND AFFIDAVITS
   - E. DESIGN CALCULATIONS

2. SHOP DRAWINGS
   - A. THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS:
     1) CONCRETE MIX DESIGN (#)
     2) CONSTRUCTION JOINT LOCATIONS IN GRADE BEAMS.
     3) EMBEDDED ITEMS (PLATES, ANGLES, BOLTS, ETC.) OR ITEMS ATTACHED TO THE STRUCTURAL FRAME FOR BUILDING CLADDING ATTACHMENT OR FOR ATTACHMENT OF OTHER ITEMS. (#)
     4) LIGHT GAUGE (COLD FORMED STEEL) METAL (#) USED TO SUPPORT EXTERIOR CLADDING OR AS LOAD BEARING MEMBERS
     5) MISCELLANEOUS STEEL
     6) REINFORCING STEEL
     7) SIGNAGE SUPPORT STEEL
     8) CONCRETE REINFORCEMENT

     NOTES:
     (+) ITEMS MARKED THUS SHALL HAVE SHOP DRAWINGS SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED PER THE PROJECT SPECIFICATIONS
     (#) ITEMS MARKED THUS SHALL BE SUBMITTED TO ENGINEER FOR OWNERS RECORD ONLY AND WILL NOT HAVE THE ENGINEERS SHOP DRAWINGS STAMP APPLIED.
     (@) ITEMS MARKED THUS SHALL BE SUBMITTED TO THE OWNERS TESTING AGENCY FOR THEIR REVIEW
   - B. ALL SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL
   - C. THE OMISSION FROM THE SHOP DRAWINGS OF ANY MATERIAL REQUIRED BY THE CONTRACT DOCUMENTS TO BE FURNISHED SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING AND INSTALLING SUCH MATERIALS, REGARDLESS OF WHETHER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED

3. MANUFACTURERS LITERATURE
   SUBMIT MANUFACTURERS LITERATURE FOR ALL MATERIALS AND PRODUCTS USED IN CONSTRUCTION ON THE PROJECT

4. DESIGN CALCULATIONS
   THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED FOR THE FOLLOWING ITEMS:
   - A. STRUCTURAL STEEL CONNECTIONS
   - B. LIGHT GAUGE METAL (COLD FORMED STEEL) USED TO SUPPORT EXTERIOR CLADDING OR AS LOAD BEARING MEMBERS
   - C. SIGNAGE SUPPORT STEEL AND COLUMN

5. REPRODUCTION
   THE USE OF ELECTRONIC FILES OR REPRODUCTION OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES THEIR ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES THEMSELVES TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.

08-MISCELLANEOUS

1. CONTRACT DOCUMENTS
   - A. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE FIELD.
   - B. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE.

2. DRAWING CONFLICTS
   THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREP

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (REF 1705.3 OF IBC)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS AND PLACEMENT	-	X	ACI 318: 3.5, 7.1-7.7	1910.4
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b	-	X	AWS D1.4 ACI318: 3.5.2	
3.	INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	-	-	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1
4.	INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE	-	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1
5.	VERIFYING USE OF REQUIRED DESIGN MIX	-	X	ACI 318: CH. 4, 5.2-5.4	1904.2, 1910.2, 1910.3
6.	AT TIME OF FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 172 ASTM C 31 ACI 31 8: 5.6, 5.8	1910.10
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318: 5.11-5.13	1910.9
9.	INSPECT FORMWORK FOR SHAPE, LOCATIONS, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 6.1.1	

REQUIRED VERIFICATION AND INSPECTION OF SOILS (REF TABLE 1705.6 OF IBC)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	-	X	-	-
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	-	X	-	-
3.	PERFORM CLASSIFICATIONS AND TESTING OF CONTROLLED FILL MATERIALS	-	X	-	-
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT OF COMPACTION OF CONTROLLED FILL	X	-	-	-
5.	PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X	-	-

CLASSES OF CONCRETE SCHEDULE

CONCRETE USAGE	MINIMUM COMPRESSIVE STRENGTH (f 'c)	SLUMP (IN)	CONCRETE TYPE	MAXIMUM AGGREGATE SIZE	MAXIMUM W/C RATIO	PERMISSIBLE AIR CONTENT
DEEP FOUNDATIONS						
DRILLED PIERS	4000 PSI AT 28 DAYS	5-7	NWC	1 1/2"	0.50	N/A
SHALLOW FOUNDATIONS						
GRADE BEAMS	4000 PSI AT 28 DAYS	3-5	NWC	1"	0.50	3-6%
PIER CAPS	4000 PSI AT 28 DAYS	3-5	NWC	1"	0.50	3-6%

NOTES:
1. NWC REFERS TO NORMAL WEIGHT CONCRETE HAVING AIR DRY UNIT WEIGHT OF APPROXIMATELY 145 PCF (ASTM 33 AGGREGATE)
2. TOLERANCE ON AIR CONTENT, AS DELIVERED TO THE SITE, TO BE +/- 1.5% OF THE VALUE NOTED IN TABLE ABOVE.
3. REFER TO THE SPECIFICATIONS FOR OTHER REQUIREMENTS FOR VARIOUS EXPOSURE CLASSES RELATIVE TO CEMENT TYPE, AIR ENTRAINMENT REQUIREMENTS, CHLORIDE ION LIMITS, AND POZZOLAN LIMITS.

'ld' TENSION DEVELOPMENT LENGTH FOR BEAM, SLAB OR WALL REBAR
(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE

BAR SIZE	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI	
	ld TOP	ld BOTT	ld TOP	ld BOTT	ld TOP	ld BOTT
#3	1'-9"	1'-4"	1'-6"	1'-2"	1'-5"	1'-1"
#4	2'-4"	1'-10"	2'-1"	1'-7"	1'-10"	1'-5"
#5	3'-0"	2'-3"	2'-7"	2'-0"	2'-4"	1'-9"
#6	3'-7"	2'-9"	3'-1"	2'-4"	2'-9"	2'-1"
#7	5'-2"	4'-0"	4'-6"	3'-6"	4'-0"	3'-1"
#8	5'-11"	4'-7"	5'-2"	3'-11"	4'-7"	3'-6"
#9	6'-8"	5'-2"	5'-9"	4'-5"	5'-2"	4'-0"
#10	7'-6"	5'-10"	6'-6"	5'-0"	5'-10"	4'-6"
#11	8'-4"	6'-6"	7'-3"	5'-7"	6'-6"	5'-0"

NOTES:
1. TABULATED VALUES ARE APPLICABLE ONLY IF CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THEN 'db', CLEAR COVER IS NOT LESS THAN 'db', AND STIRRUPS OR TIES THROUGHOUT 'ld' IS NOT LESS THAN CODE MINIMUM, OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 2*'db' AND CLEAR COVER IS NOT LESS THAN 'db'. FOR OTHER CASES, MULTIPLY TABULATED VALUES BY 1.5.
2. 'TOP' BARS ARE HORIZONTAL REBARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH.
3. FOR LIGHT WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.
4. FOR EPOXY COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.5 FOR BOTTOM BARS, OR BY 1.3 FOR TOP BARS.
5. FOR REINFORCEMENT OTHER THAN GRADE 60, MODIFY THE TABULATED VALUES BY THE RATIO OF THE REINFORCEMENT YIELD STRENGTH DIVIDED BY 60 KSI.

TENSION LAP SPLICES-CLASS "B" TOP BARS AND BOTTOM BARS
(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE

BAR SIZE	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI	
	TOP	BOTT	TOP	BOTT	TOP	BOTT
#3	2'-4"	1'-9"	2'-0"	1'-6"	1'-10"	1'-5"
#4	3'-1"	2'-4"	2'-8"	2'-1"	2'-5"	1'-10"
#5	3'-10"	3'-0"	3'-4"	2'-7"	3'-0"	2'-4"
#6	4'-8"	3'-7"	4'-0"	3'-1"	3'-7"	2'-9"
#7	6'-9"	5'-2"	5'-10"	4'-6"	5'-3"	4'-0"
#8	7'-9"	5'-11"	6'-8"	5'-2"	6'-0"	4'-7"
#9	8'-8"	6'-8"	7'-6"	5'-9"	6'-9"	5'-2"
#10	9'-10"	7'-6"	8'-6"	6'-6"	7'-7"	5'-10"
#11	10'-11"	8'-4"	9'-5"	7'-3"	8'-5"	6'-6"

NOTES:
1. TABULATED VALUES ARE APPLICABLE ONLY IF CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THEN 'db', CLEAR COVER IS NOT LESS THAN 'db', AND STIRRUPS OR TIES THROUGHOUT 'ld' IS NOT LESS THAN CODE MINIMUM, OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 2*'db' AND CLEAR COVER IS NOT LESS THAN 'db'. FOR OTHER CASES, MULTIPLY TABULATED VALUES BY 1.5.
2. 'TOP' BARS ARE HORIZONTAL REBARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH.
3. FOR LIGHT WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.
4. FOR EPOXY COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.5 FOR BOTTOM BARS, OR BY 1.3 FOR TOP BARS.
5. FOR REINFORCEMENT OTHER THAN GRADE 60, MODIFY THE TABULATED VALUES BY THE RATIO OF THE REINFORCEMENT YIELD STRENGTH DIVIDED BY 60 KSI.
6. FOR CLASS 'A' SPLICE (PERMITTED ONLY WHEN NOT MORE THAN HALF THE BAR SPLICES ARE STAGGERED BY THE DISTANCE OF THE SPLICE LENGTH) USE SAME AS TENSION DEVELOPMENT LENGTH.

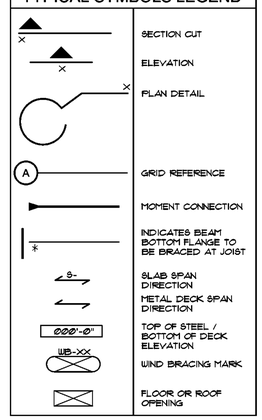
REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (REF TABLE 1.18.3 ACI 530)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	PROPORTIONS OF SITE MIXED MORTAR, GROUT, AND ANY PRESTRESSING GROUT FOR BONDED TENDONS	-	X	ACI 530: 1.18	1705.4
2.	COMPLIANCE OF SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	X	-	ACI 530: 1.18	1705.4
3.	COMPLIANCE OF TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	X	-	ACI 530: 1.18	1705.4
5.	COMPLIANCE OF PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COD WEATHER (TEMPERATURE BELOW 40 DEGREES F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEGREES F).	-	X	ACI 530: 1.18	1705.4
6.	GRADE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES	X	-	ACI 530: 1.18	1705.4
7.	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	X	-	ACI 530: 1.18	1705.4
8.	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORS	X	-	ACI 530: 1.18	1705.4
9.	GROUT SPACE PRIOR TO GROUTING	-	X	ACI 530: 1.18	1705.4
10.	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	X	-	ACI 530: 1.18	1705.4
11.	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENTS, AND/OR PRISMS	X	-	ACI 530: 1.18	1705.4
12.	SUBMITTALS FOR MATERIALS USED IN MASONRY CONSTRUCTION INDICATING COMPLIANCE WITH THE CONTRACT DOCUMENTS	-	X	ACI 530: 1.18	1705.4
13.	VERIFICATION OF f'm AND f'aac IN ACCORDANCE WITH ARTICLE 1.4B PRIOR TO CONSTRUCTION FOR EVERY 5000 SF OF CONSTRUCTION	X	-	ACI 530: 1.18	1705.4
14.	VERIFICATIONS OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, GROUT, AND PRESTRESSING GROUT AS DELIVERED TO THE SITE	-	X	ACI 530: 1.18	1705.4

NOTES

1.	THE OWNER SHALL EMPLOY QUALIFIED SPECIAL INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH THE BUILDING CODE. INSPECTORS SHALL PERFORM ALL DUTIES AND RESPONSIBILITIES AS REQUIRED BY THE BUILDING CODE. JOB SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR SPECIAL INSPECTIONS.
2.	THE SCHEDULE CONTAINS A LIST OF THE SPECIAL INSPECTION ACTIVITIES RELATED TO THE QUALITY ASSURANCE PLAN REQUIRED BY THE BUILDING CODE (IBC CHAPTER 17) FOR THE FABRICATION, ERECTION, AND CONSTRUCTION OF THE STRUCTURAL SYSTEMS AS DESCRIBED IN THE SPECIFICATION AND DRAWINGS FOR THE PROJECT. ALL INSPECTORS SHALL BE QUALIFIED BY TRAINING AND EXPERIENCE FOR THE REQUIRED INSPECTIONS AND TEST PROCEDURES. REFER TO IBC CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS," AND SPECIFICATION SECTION 01 45 23 "TESTS AND INSPECTIONS" FOR SPECIFIC TEST PROCEDURES. THE SCHEDULE IS INTENDED TO BE A "STATEMENT OF SPECIAL INSPECTIONS" ACCORDING TO IBC SECTION 1704.
3.	TESTING AND INSPECTION REPORTS SHALL BE PREPARED FOR EACH INSPECTION ITEM ON A PERIODIC OR DAILY BASIS WHENEVER INSPECTIONS ARE MADE ON THAT ITEM. REPORTS SHALL BE DISTRIBUTED TO THE OWNER, CONTRACTOR, ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING OFFICIAL (IF REQUESTED), FOR THEIR REVIEW, COMMENTS, AND ACTION, AS NEEDED.
4.	ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS REQUIRING SPECIAL INSPECTIONS PER SECTION 1705 OF THE IBC HAVE NOT BEEN LISTED HERE. REFER TO ARCH/MEP FOR SPECIAL INSPECTION REQUIREMENTS FOR THESE COMPONENTS.
5.	IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THESE TESTS AND INSPECTIONS ARE PERFORMED.

TYPICAL SYMBOLS LEGEND



NOTE:
ITEMS SHOWN ON THIS SYMBOLS LEGEND LIST MAY OR MAY NOT APPLY TO THIS PROJECT. ITEMS ARE FOR REFERENCE ONLY

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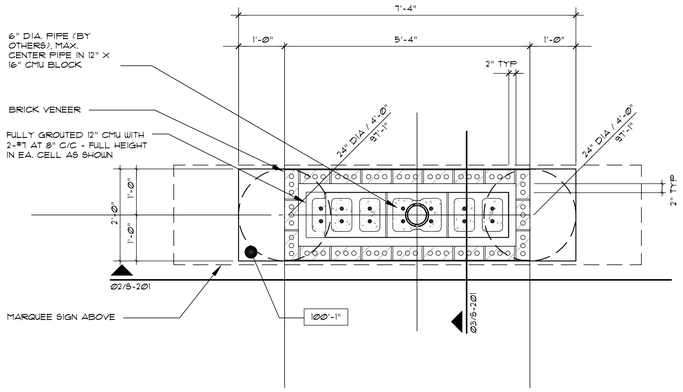
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STRUCTURAL SPECIAL INSPECTIONS

JOB NO. 25016

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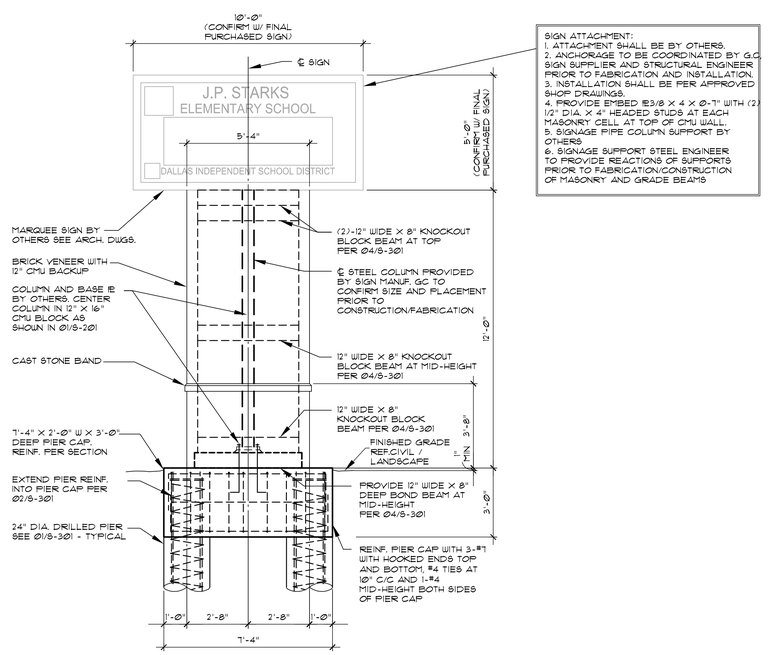
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S-101



01 FOUNDATION PLAN

3/4"=1'-0"

PLAN NOTES:
1. FINISH FLOOR ELEVATION 100'-0" = DATUM ELEVATION 427.50'
2. REFER TO ARCHITECTURAL/CIVIL SITE PLAN FOR MARQUEE SIGN LOCATION
3. COORDINATE ANY ELECTRICAL CONDUIT FOR SIGN PRIOR TO CONSTRUCTION/FABRICATION
4. LOCATE ANY EXISTING OR NEW UTILITIES THAT MAY INTERFERE WITH FOUNDATION. NOTIFY EOR/AOR OF ANY INTERFERENCE PRIOR TO CONSTRUCTION/FABRICATION. REFER TO CIVIL/MEP FOR ANY EXISTING/NEW UTILITIES



02 SECTION

3/8"=1'-0"

03 SECTION

3/8"=1'-0"

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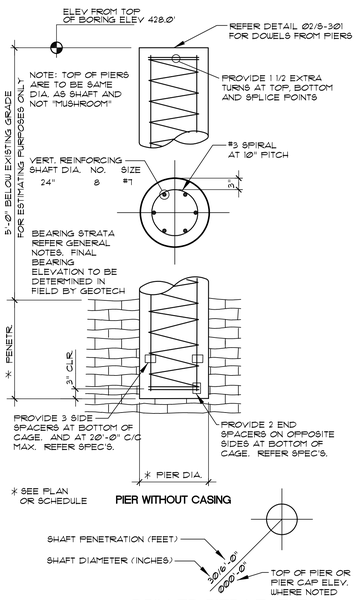
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STRUCTURAL PLAN AND SECTIONS

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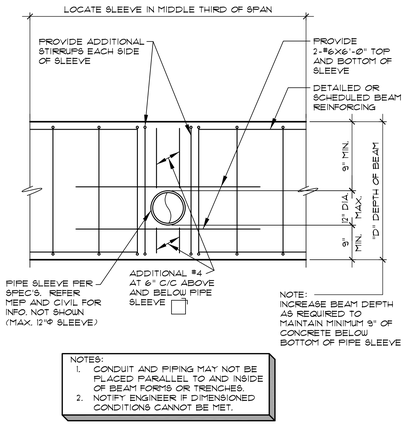
DRILLED PIER LEGEND

PIER DESIGN CRITERIA		
END BEARING	SKIN FRICTION TENSION	SKIN FRICTION COMPRESSION
60 KSF	5 KSF	6 KSF

NOTE:
PER GEOTECH REPORT, TEMPORARY CASING MUST BE USED WHERE NECESSARY TO STABILIZE THE PIER HOLE IF GROUNDWATER OR CAVING SOILS ARE ENCOUNTERED DURING CONSTRUCTION AND MAY BE NECESSARY AT THE SITE DUE TO CAVING SANDS AND THE POSSIBILITY OF GROUNDWATER.

01 TYPICAL PIER DETAIL

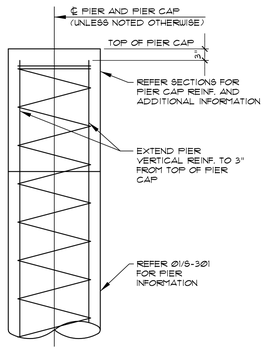
NOT TO SCALE



NOTES:
1. CONDUIT AND PIPING MAY NOT BE PLACED PARALLEL TO AND INSIDE OF BEAM FORMS OR TRENCHES.
2. NOTIFY ENGINEER IF DIMENSIONED CONDITIONS CANNOT BE MET.

05 TYPICAL PIPE SLEEVE THROUGH GRADE BEAM

NOT TO SCALE

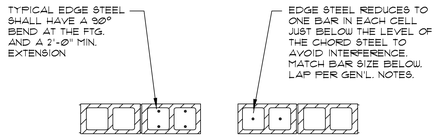


02 TYP. PIER CAP TO PIER DETAIL

NOT TO SCALE

* WALL PANELS ARE DELIMITED BY MASONRY WALL EXPANSION JOINTS OR CHANGE IN WALL DIRECTION.

MARK	BAR SIZE & NUMBER	COMMENTS
WALL A	4 - #5	WALLS WHICH LACK A DESIGNATION SHALL RECEIVE 2 - #5 VERT. IN END CELLS PER MASONRY CONTROL JOINT DETAIL.
WALL B	4 - #6	
WALL C	2 - #6	



03 EDGE STEEL IN WALL PANELS *

NOT TO SCALE

04 BRICK AND BLOCK LINTEL SCHEDULES

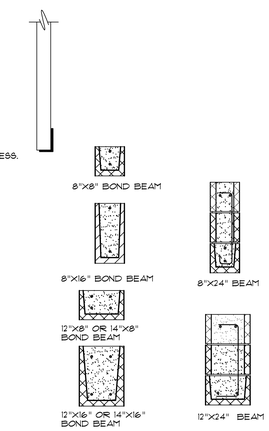
NO SCALE

BRICK LINTEL SCHEDULE		
MASONRY OPENING	STRUCTURAL STEEL MEMBER	MIN. END BEARING
UP TO 5'-11"	L 3 1/2"X3 1/2"X1/4"	8"
6'-0" TO 6'-11"	L 4"X3 1/2"X1/4" LLV	8"
7'-0" TO 7'-11"	L 5"X3 1/2"X5/16" LLV	8"
8'-0" TO 8'-11"	L 6"X3 1/2"X3/8" LLV	8"
9'-0" TO 11'-0"	L 6"X4"X3/8" LLV	12"

NOTE: LINTELS ARE SHOWN FOR EACH 4" OF WALL THICKNESS. LINTELS SHALL BE GALVANIZED U.N.O. ON ARCH'L.

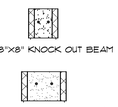
BLOCK LINTEL SCHEDULE		
MASONRY OPENING	LINTEL BEAM (W X D)	REINF. (T + B)
UP TO 5'-11"	8"X16" BOND BEAM	1-#6
6'-0" TO 9'-11"	8"X16" BOND BEAM	1-#6
10'-0" TO 13'-11"	8"X24" BOND BEAM	2-#5
UP TO 5'-11"	12"X8" BOND BEAM	2-#5
6'-0" TO 9'-11"	12"X16" BOND BEAM	2-#5

NOTE: 1. UNLESS OTHERWISE NOTED ON PLAN, PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS ACCORDING TO THIS SCHEDULE.
2. LINTELS TO BEAR A MINIMUM OF 1" PER FOOT, 8" MINIMUM.
3. FILL ALL BOND BEAMS WITH 3000 PSI CONCRETE.
4. OPENINGS WIDER THAN 6'-0" SHALL HAVE THE FIRST VERTICAL CELL EACH SIDE FILLED WITH GROUT FROM FLOOR LEVEL TO THE LINTEL BEARING LEVEL.



KNOCK OUT BEAM SCHEDULE	
KNOCK OUT BEAM (W X D)	REINF.
8" X 8" KNOCK OUT BEAM	2 - # 5
12" X 8" KNOCK OUT BEAM	2 - # 5

NOTE:
1. FILL KNOCK OUT BEAM WITH 3000 PSI CONCRETE GROUT CONT.
2. KNOCK OUT BEAM REINFORCING TO BE CONT. THROUGH CONTROL JOINTS AT ROOF, LAP 30 BAR DIA. AT SPLICE LOCATIONS. (NO MORE THAN 50% OF REBAR TO BE SPLICED AT ONE LOCATION)



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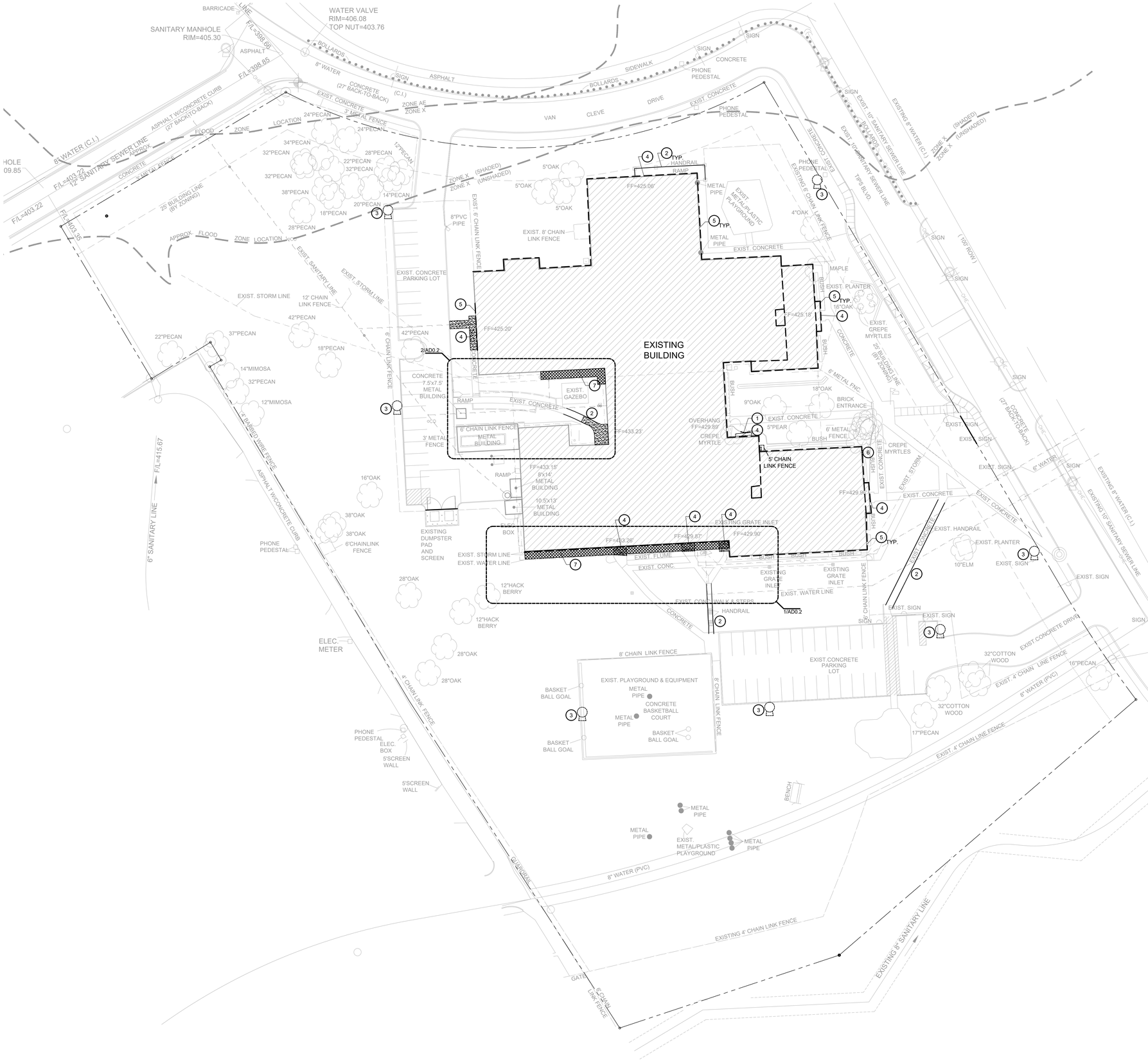
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STRUCTURAL DETAILS AND SECTIONS

JOB NO. 25016

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GENERAL SITE NOTES

A. POSITIVE DRAINAGE SHALL BE MAINTAINED AWAY FROM THE BUILDING, BOTH DURING AND AFTER CONSTRUCTION. REGRADE SOIL TO 10' FROM BUILDING TO PROVIDE POSITIVE DRAINAGE. NOTIFY ARCHITECT IF AREA BEYOND DOES NOT SLOPE AWAY FROM BUILDING. SOD ALL AREAS OF GRADING.

B. SOD ALL DISTURBED SOIL OR DAMAGED VEGETATION DUE TO DEMOLITION OR CONSTRUCTION AT THE COMPLETION OF THE PROJECT.

C. VERIFY LOCATION OF EXISTING IRRIGATION SYSTEM PRIOR TO STARTING WORK PROTECT IRRIGATION SYSTEM DURING CONSTRUCTION. DAMAGE TO EXISTING IRRIGATION SYSTEM WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR.

D. CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING PAVEMENT AND LANDSCAPE AREAS PRIOR TO CONSTRUCTION.

E. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO THE PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.

F. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000PSI FOR SIDEWALKS. REFER CIVIL.

G. ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 8" LIFTS. REFER CIVIL.

H. CONSTRUCTION JOINTS, COLD JOINTS, ISOLATION JOINTS, ABUTTING AGAINST STRUCTURES AND CURB RETURNS NEED TO/HAVE NON TACKING FILLER INSTALLED TO ALLOW FOR EXPANSIONS.

I. JOINTS 15' EACH WAY MAX. AND CONTRACTOR IS TO MATCH EXISTING JOINT PATTERN WHERE APPLICABLE.

J. TESTING LAB REPRESENTATIVE MUST BE PRESENT PRIOR TO AND DURING PAVING.

K. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL INSURANCE, PERMITS, LICENSES AND BONDS AS REQUIRED TO COMPLETE THE PROJECT.

L. THESE DOCUMENTS HAVE BEEN PREPARED FROM OWNER PROVIDED RECORD DOCUMENTS, ACTUAL SITE CONDITIONS MAY VARY, THE CONTRACTOR IS TO REPORT ANY SUCH DISCREPANCIES WHEN DISCOVERED TO THE ARCHITECT FOR MODIFICATIONS OR CORRECTIONS TO THE DOCUMENTS.

M. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS AND UNDER NO CIRCUMSTANCE SCALE DRAWINGS FOR FIELD CONDITIONS. NOTIFY THE ARCHITECT OR ENGINEER OF ANY FIELD DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL SITE CONDITIONS. CONTRACTORS OR MATERIAL FABRICATORS ARE TO NOTIFY THE ARCHITECT OF ANY DEFICIENCIES OR DISCREPANCIES THEY HAVE ENCOUNTERED AND PROVIDE THEIR SUGGESTED SOLUTION PRIOR TO CONTINUING THE PROPOSED WORK.

N. ALL CONTRACTORS ARE TO FAMILIARIZE THEMSELVES WITH THE SITE CONDITIONS AND SCOPE OF WORK PRIOR TO BIDDING. REFER TO THE PROJECT MANUAL FOR THE STANDARD OF CARE AND REQUIREMENTS FOR THE DEMOLITION AND RECONSTRUCTION WORK TO BE PERFORMED. ALL SITE DEMOLITION WORK IS TO CONFORM WITH CITY ORDINANCES AND REQUIREMENTS.

O. ALL UTILITY SERVICES TO THE EXISTING BUILDING ARE NOT TO BE INTERRUPTED DURING THE NORMAL SCHOOL HOURS, ANY UTILITY WORK TO BE PREFORMED SHALL BE PREFORMED AFTER HOURS, WEEKENDS OR HOLIDAYS TO ENSURE THAT THE BUILDING REMAINS FULLY OPERATIONAL DURING SCHOOL HOURS.

P. CONTRACTOR TO PERFORM GPR SCAN IN ALL AREAS OF EXTERIOR WORK & PROVIDE REPORT BEFORE BEGIN OF WORK.

Q. EXISTING PLANTS ON SITE NOT INDICATED FOR REMOVAL ARE TO BE PROTECTED. DAMAGED PLANTS ARE TO BE REPLACED BY THE CONTRACTOR.

R. DEMO & POUR BACK SIDEWALK TO CONSTRUCTION JOINT AS NEEDED TO COMPLY WITH TAS.

DEMO SITE NOTES

1. DEMO EXISTING LANDSCAPING WHERE NEW SIDEWALK IS TO BE INSTALLED. REFER TO A0.1
2. PREP EXISTING EXTERIOR HANDRAILS, DOORS & FRAMES FOR NEW PAINT
3. DEMO LIGHT FIXTURES ON EXISTING POLES AND REPLACE WITH NEW LED FIXTURE, TYPICAL. GC TO CONFIRM QUANTITY. REFER TO ELECTRICAL.
4. REMOVE EXISTING WALL PACK AND REPLACE WITH NEW LED FIXTURE, TYPICAL. GC TO CONFIRM QUANTITY. REFER TO ELECTRICAL.
5. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH OF STAINED SURFACES. DASHED LINE DENOTES TO POWERWASH EXISTING BRICK TO REMOVE STAINING FROM RAINWATER RUNOFF. REMOVE COATING ON BRICK OF THE MOST RECENT ADDITION THAT HAS TURNED WHITE AND IS PARTIALLY FLAKING OFF.
6. REMOVE EXISTING MARQUEE SIGN MOUNTED TO EXTERIOR WALL. FILL HOLES IN BRICK WALL AND PRESSURE WASH BEHIND TO MATCH SURROUNDING BRICK.
7. HATCH DENOTES LOCATION TO EXCAVATE TRENCH FOR NEW FRENCH DRAIN TO BE INSTALLED ALONG EXTERIOR WALL. GC TO VERIFY IN FIELD LOCATIONS OF EXISTING UTILITY LINES. REFER TO 5/A0.2

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

0' 16' 32' 64'
SCALE: 1"=30'-0"

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DEMO OVERALL SITE PLAN

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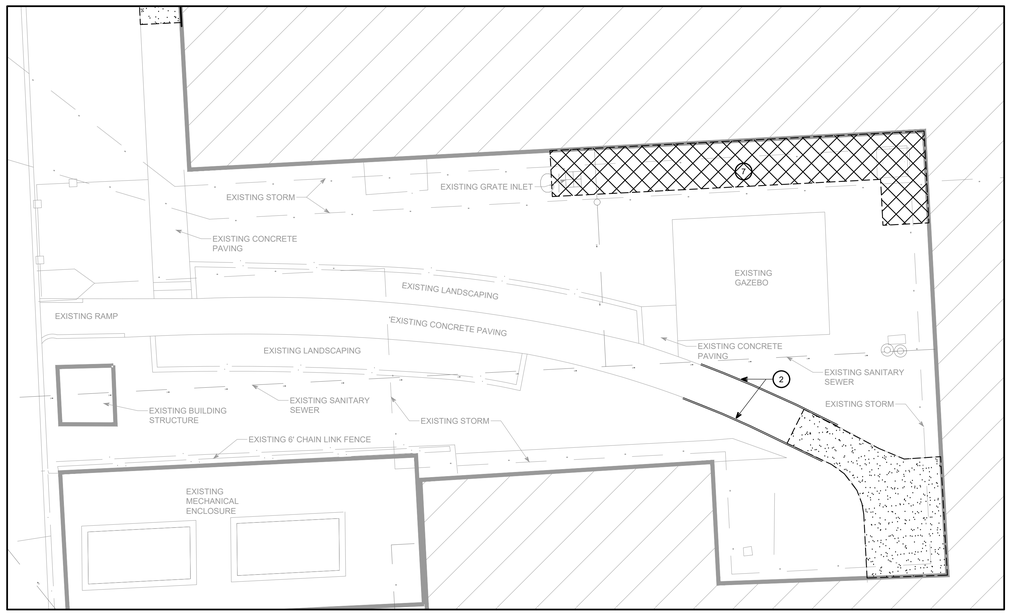
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2 ENLARGED DEMO SITE PLAN

SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
SCALE: 1/8"=1'-0"

DEMO SITE NOTES

1. DEMO EXISTING LANDSCAPING WHERE NEW SIDEWALK IS TO BE INSTALLED. REFER TO A0.1
2. PREP EXISTING EXTERIOR HANDRAILS, DOORS & FRAMES FOR NEW PAINT
3. DEMO LIGHT FIXTURES ON EXISTING POLES AND REPLACE WITH NEW LED FIXTURE, TYPICAL. GC TO CONFIRM QUANTITY. REFER TO ELECTRICAL.
4. REMOVE EXISTING WALL PACK AND REPLACE WITH NEW LED FIXTURE, TYPICAL. GC TO CONFIRM QUANTITY. REFER TO ELECTRICAL.
5. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH OF STAINED SURFACES. DASHED LINE DENOTES TO POWERWASH EXISTING BRICK TO REMOVE STAINING FROM RAINWATER RUNOFF. REMOVE COATING ON BRICK OF THE MOST RECENT ADDITION THAT HAS TURNED WHITE AND IS PARTIALLY FLAKING OFF.
6. REMOVE EXISTING MARQUEE SIGN MOUNTED TO EXTERIOR WALL. FILL HOLES IN BRICK WALL AND PRESSURE WASH BEHIND TO MATCH SURROUNDING BRICK.
7. HATCH DENOTES LOCATION TO EXCAVATE TRENCH FOR NEW FRENCH DRAIN TO BE INSTALLED ALONG EXTERIOR WALL. GC TO VERIFY IN FIELD LOCATIONS OF EXISTING UTILITY LINES. REFER TO 5/A0.2

GENERAL SITE NOTES

A. POSITIVE DRAINAGE SHALL BE MAINTAINED AWAY FROM THE BUILDING, BOTH DURING AND AFTER CONSTRUCTION. REGRADE SOIL TO 10' FROM BUILDING TO PROVIDE POSITIVE DRAINAGE. NOTIFY ARCHITECT IF AREA BEYOND DOES NOT SLOPE AWAY FROM BUILDING. SOD ALL AREAS OF GRADING.

B. SOD ALL DISTURBED SOIL OR DAMAGED VEGETATION DUE TO DEMOLITION OR CONSTRUCTION AT THE COMPLETION OF THE PROJECT.

C. VERIFY LOCATION OF EXISTING IRRIGATION SYSTEM PRIOR TO STARTING WORK PROTECT IRRIGATION SYSTEM DURING CONSTRUCTION. DAMAGE TO EXISTING IRRIGATION SYSTEM WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR.

D. CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING PAVEMENT AND LANDSCAPE AREAS PRIOR TO CONSTRUCTION.

E. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO THE PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.

F. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000PSI FOR SIDEWALKS. REFER CIVIL.

G. ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 8" LIFTS. REFER CIVIL.

H. CONSTRUCTION JOINTS, COLD JOINTS, ISOLATION JOINTS, ABUTTING AGAINST STRUCTURES AND CURB RETURNS NEED TO/HAVE NON TACKING FILLER INSTALLED TO ALLOW FOR EXPANSIONS.

I. JOINTS 15' EACH WAY MAX. AND CONTRACTOR IS TO MATCH EXISTING JOINT PATTERN WHERE APPLICABLE.

J. TESTING LAB REPRESENTATIVE MUST BE PRESENT PRIOR TO AND DURING PAVING.

K. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL INSURANCE, PERMITS, LICENSES AND BONDS AS REQUIRED TO COMPLETE THE PROJECT.

L. THESE DOCUMENTS HAVE BEEN PREPARED FROM OWNER PROVIDED RECORD DOCUMENTS, ACTUAL SITE CONDITIONS MAY VARY, THE CONTRACTOR IS TO REPORT ANY SUCH DISCREPANCIES WHEN DISCOVERED TO THE ARCHITECT FOR MODIFICATIONS OR CORRECTIONS TO THE DOCUMENTS.

M. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS AND UNDER NO CIRCUMSTANCE SCALE DRAWINGS FOR FIELD CONDITIONS. NOTIFY THE ARCHITECT OR ENGINEER OF ANY FIELD DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL SITE CONDITIONS. CONTRACTORS OR MATERIAL FABRICATORS ARE TO NOTIFY THE ARCHITECT OF ANY DEFICIENCIES OR DISCREPANCIES THEY HAVE ENCOUNTERED AND PROVIDE THEIR SUGGESTED SOLUTION PRIOR TO CONTINUING THE PROPOSED WORK.

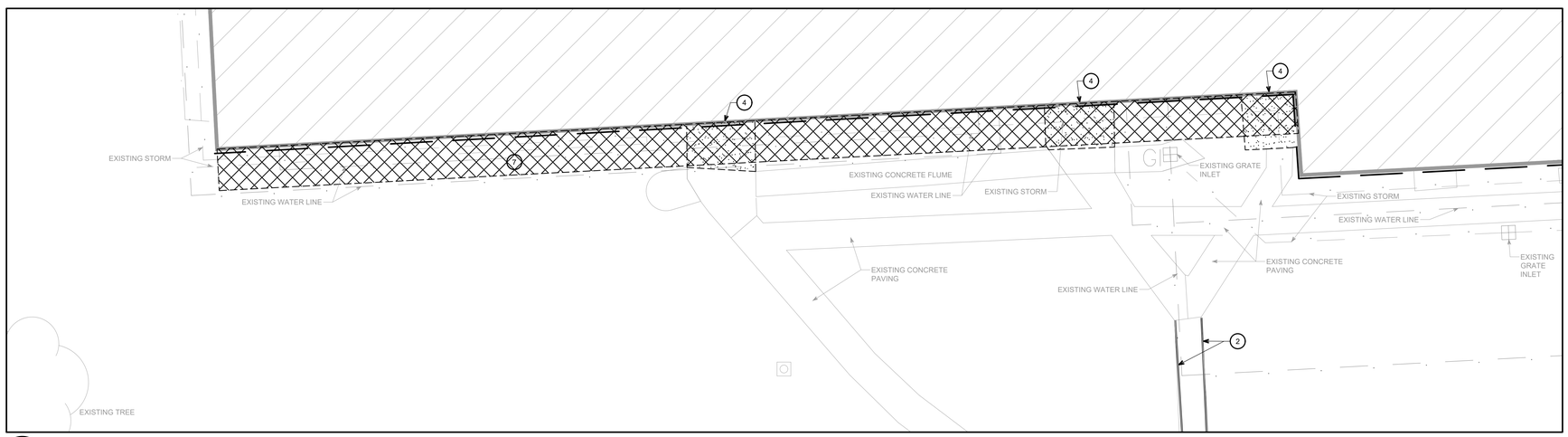
N. ALL CONTRACTORS ARE TO FAMILIARIZE THEMSELVES WITH THE SITE CONDITIONS AND SCOPE OF WORK PRIOR TO BIDDING. REFER TO THE PROJECT MANUAL FOR THE STANDARD OF CARE AND REQUIREMENTS FOR THE DEMOLITION AND RECONSTRUCTION WORK TO BE PERFORMED. ALL SITE DEMOLITION WORK IS TO CONFORM WITH CITY ORDINANCES AND REQUIREMENTS.

O. ALL UTILITY SERVICES TO THE EXISTING BUILDING ARE NOT TO BE INTERRUPTED DURING THE NORMAL SCHOOL HOURS. ANY UTILITY WORK TO BE PREFORMED SHALL BE PREFORMED AFTER HOURS, WEEKENDS OR HOLIDAYS TO ENSURE THAT THE BUILDING REMAINS FULLY OPERATIONAL DURING SCHOOL HOURS.

P. CONTRACTOR TO PERFORM GPR SCAN IN ALL AREAS OF EXTERIOR WORK & PROVIDE REPORT BEFORE BEGIN OF WORK.

Q. EXISTING PLANTS ON SITE NOT INDICATED FOR REMOVAL ARE TO BE PROTECTED. DAMAGED PLANTS ARE TO BE REPLACED BY THE CONTRACTOR.

R. DEMO & POUR BACK SIDEWALK TO CONSTRUCTION JOINT AS NEEDED TO COMPLY WITH TAS.



1 ENLARGED DEMO SITE PLAN

SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
SCALE: 1/8"=1'-0"

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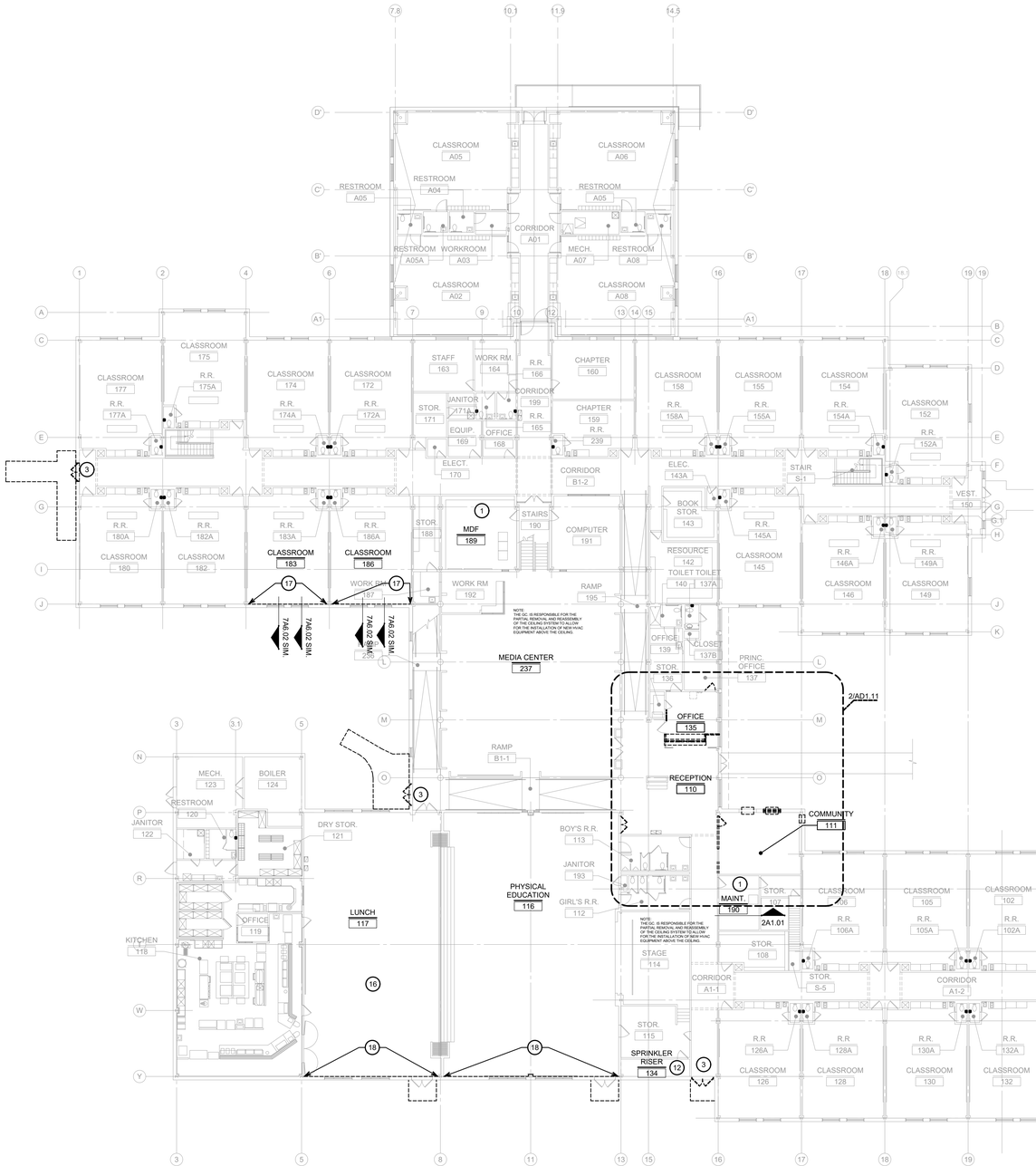
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DEMO ENLARGED SITE PLANS

JOB NO. **25016**

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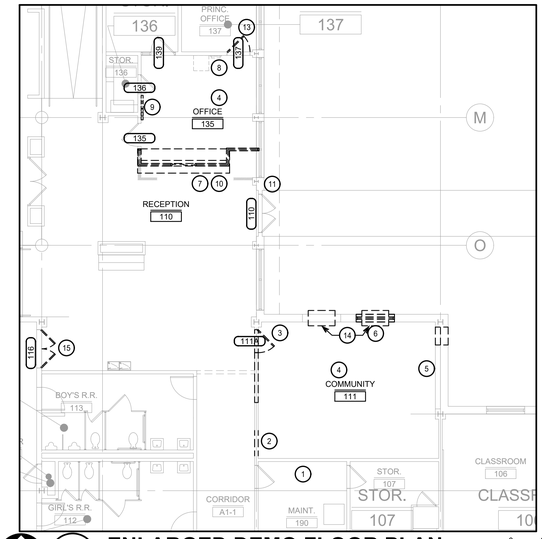
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1 OVERALL DEMO FIRST FLOOR PLAN

SCALE: 1/16" = 1'-0"

SCALE: 1/16" = 1'-0"



2 ENLARGED DEMO FLOOR PLAN

SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

DEMO GENERAL NOTES

A. WHERE WALLS ARE DEMOED, PATCH AND REPAIR ADJACENT WALLS AS NEEDED.

B. WHERE FLOORING IS REMOVED, PREPARE FOR NEW FLOOR FINISHES.

C. ANY SECURITY DEVICES TO REMAIN THAT IS LOCATED IN A WALL TO BE DEMOED OR COVERED, IS TO BE RELOCATED ON NEW WALL. CONTRACTOR TO VERIFY EXACT LOCATION. THIS INCLUDES SECURITY, PA, INTRUSION, FIRE ALARM, FIRE SUPPRESSIONS, AND ANY OTHER LIFE SAFETY SYSTEMS.

D. ANY LOOSE CABLING ABOVE CEILING IS TO BE SUPPORTED FROM STRUCTURE AND PROTECTED DURING DEMOLITION.

E. CONTRACTOR TO VERIFY EXACT LOCATION FOR EXISTING SECURITY DEVICES TO REMAIN.

F. PROTECT EXISTING SPRINKLER HEADS, AND SECURITY DEVICES.

G. REMOVE ALL ITEMS AS NECESSARY FOR NEW CONSTRUCTION. VERIFY WITH ARCHITECT AND OWNER IF REMOVAL IS NECESSARY.

H. WHERE DOORS ARE REMOVED, REMOVE CORRESPONDING EXIT SIGNS AND ROOM SIGNAGE. RELOCATE AND USE TEMPORARILY IF REQUIRED. DEMOLISH AFTER NEW SIGNS ARE INSTALLED.

I. RETURN ALL DEMOED DOOR HARDWARE TO OWNER.

DEMO PLAN NOTES

1. DEMO EXISTING HVAC UNIT TO BE REPLACED. REFER MEP.
2. DEMO EXISTING WALL AS INDICATED ON PLAN TO CREATE NEW DOOR OPENING. REMOVE ANY ELECTRICAL TO BEHIND ADJACENT SURFACES AND CAP PER CODE.
3. REMOVE DOOR HARDWARE THAT IS BEING REPLACED. REFER TO NEW HARDWARE SCHEDULES & DOOR SCHEDULE ON A6.02.
4. DEMO EXISTING CARPET AND BASE AND PREP FLOOR FOR NEW FINISH. REFER A6 SERIES FOR SCHEDULE.
5. DEMO EXISTING TACK BOARDS, TACK STRIPS AND/OR MARKER BOARDS.
6. DEMO EXISTING WINDOW, FRAME, WINDOW UNIT, & BRICK BELOW WINDOW TO CREATE OPENING FOR NEW STOREFRONT DOOR SYSTEM. CONTRACTOR TO SALVAGE EXISTING BRICK REMOVED TO PATCH OPENING IN WALL REMAINING FROM REMOVAL OF HVAC UNIT ON ADJACENT UNDER ADJACENET WINDOW. DEMO EXISTING WINDOW TREATMENT. (I.E. BLINDS, SHADES, ETC.)
7. EXISTING TILE BASE TO BE REUSED IN LOBBY. CAREFULLY REMOVE TILE BASE OUTSIDE OF EXISTING RECEPTION. TO BE REINSTALLED AFTER NEW WALL IS CONSTRUCTED. REFER TO A6 SHEETS.
8. EXISTING PA CABINET & BELL SYSTEM TO REMAIN IN SAME LOCATION. PROTECT DURING CONSTRUCTION.
9. EXISTING FIRE ALARM PANELS TO BE PROTECTED DURING CONSTRUCTION. THEY ARE TO REMAIN UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED AND TESTED. ONLY THEN CAN THE EXISTING PANELS & DEVICES BE REMOVED.
10. DEMO PARTIAL HEIGHT WALL AND SUPPORTS, INCLUDING GLAZING & TOP WOOD FRAME. DEMO SOFFIT ABOVE AS INDICATED ON A1.12. REMOVE ANY ELECTRICAL TO BEHIND ADJACENT SURFACES AND CAP PER CODE. DEMO ALL ATTACHED MILLWORK.
11. REMOVE EXISTING CAMERA DOOR BELL. CAP OFF AS REQUIRED. REFER TO ELECTRICAL.
12. DEMO EXISTING RPZ BACKFLOW PREVENTER & ASSOCIATED PIPING. REFER TO MEP.
13. DEMO EXISTING DOOR AND FRAME. CHANGE DOOR SWING TO BE TAS COMPLIANT. REFER TO NEW HARDWARE SCHEDULES.
14. DEMO EXISTING WINDOW UNITS. GC TO PATCH AND REPAIR WALL UNDER WINDOW TO REMAIN. THIS INCLUDES PATCHING THE EXTERIOR BRICK WALL, CREATING AIR SPACE, ADDING SHEATHING, METAL STUDS INSULATION AND FINALLY THE DRYWALL INTERIOR. REFER TO MEP
15. DEMO EXISTING 5'-0" DOUBLE DOORS AND REPLACE WITH TAS COMPLIANT DOOR. REFER TO DOOR SCHEDULE ON A6.02.
16. DEMO EXISTING VCT FLOORING & RUBBER BASE IN LUNCH 117. PREP FLOOR FOR NEW FINISH. REFER A1.11 AND A6 SERIES FOR SCHEDULE.
17. DEMO EXISTING WINDOW SILL AND GYP. BD ALONG LENGTH OF WALL TO 1'-0" ABOVE BOTTOM OF WINDOW AND REPLACE IN-WALL INSULATION. REMOVE EXISTING WINDOW BLINDS TO BE REPLACED. REFER TO A1.11.
18. DEMO GYP BD ALONG LENGTH OF WALL TO 4'-0" A.F.F. REPLACE IN-WALL INSULATION. REFER TO A1.11

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REGISTERED ARCHITECT BRENT E. KLINE 70975 STATE OF TEXAS

03.25.2026

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OVERALL DEMO FIRST FLOOR PLAN

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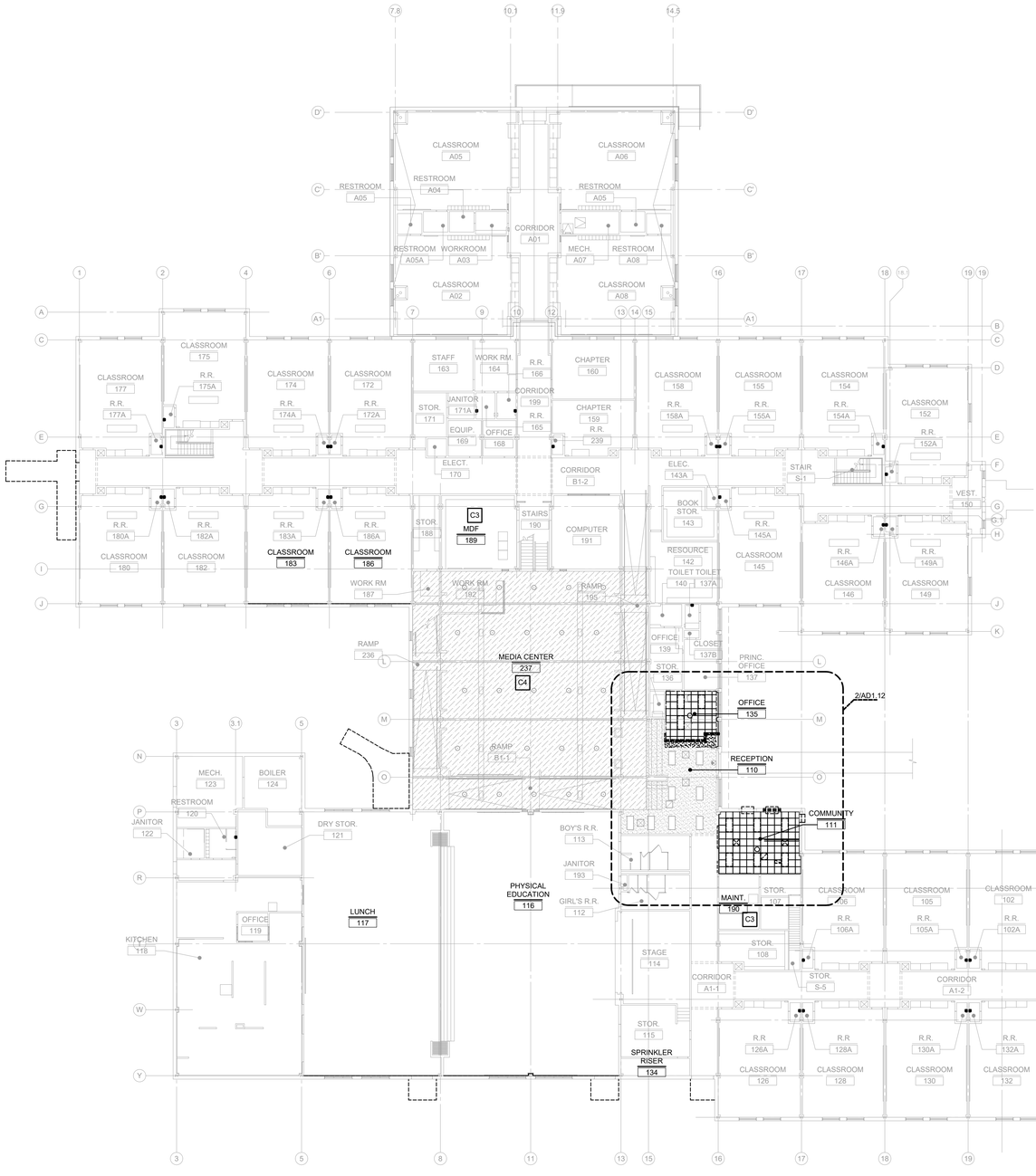
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REGISTERED ARCHITECT
BRENT E. KLINE
70976
STATE OF TEXAS

03.25.2026

DEMO RCP LEGEND

	EXISTING LAY IN TILES TO BE DEMOED. REFER TO PLAN NOTES ON WHETHER THE GRID IS TO BE DEMOED OR TO REMAIN		EXISTING GYPSUM BOARD CEILING TO REMAIN
	LIGHT FIXTURES TO BE DEMOED. REFER ELEC		EXISTING LIGHT FIXTURES TO REMAIN
R	EXISTING LIGHT FIXTURES TO BE TO BE SUSPENDED AND RE-INSTALLED IN NEW CEILING	R R	EXISTING SUPPLY/RETURN/ EXHAUST DIFFUSERS TO BE SUSPENDED AND REINSTALLED IN NEW CEILING. REFER MEP
	SUPPLY/RETURN/ EXHAUST DIFFUSERS TO BE DEMOED REFER MEP		EXISTING SUPPLY/RETURN/ EXHAUST DIFFUSERS TO REMAIN, REFER MEP

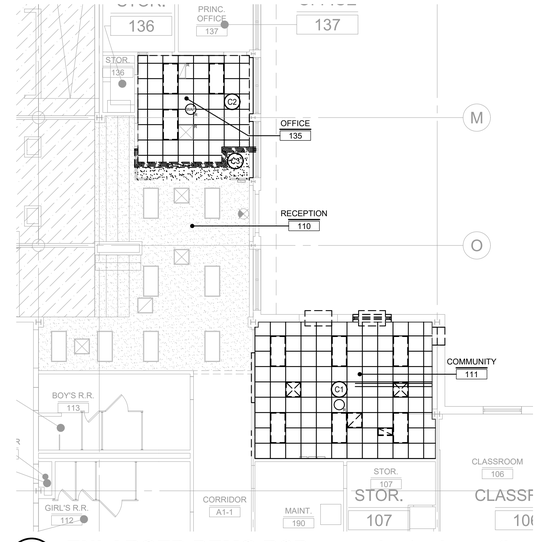


1 OVERALL DEMO FIRST FLOOR REFLECTED CEILING PLAN

SCALE: 1/16" = 1'-0"

0 8 16 32

SCALE: 1/16" = 1'-0"



2 ENLARGED DEMO RCP

SCALE: 1/8" = 1'-0"

0 4 8 16

SCALE: 1/8" = 1'-0"

DEMO CEILING GENERAL NOTES

A. ALL EXISTING CEILING MOUNTED INFRASTRUCTURE TO REMAIN AND TO BE REINSTALLED IN NEW CEILING IS TO BE SUPPORTED FROM STRUCTURE DURING DEMOLITION.

B. "INFRASTRUCTURE" INCLUDES, BUT IS NOT LIMITED TO, SECURITY DEVICES MOTION DETECTORS, BELLS, FIRE PROTECTION DEVICES, SPEAKERS, IT DEVICES, CLOCKS, AV EQUIPMENT, ETC.

C. ANY LOOSE CABLING ABOVE CEILING IS TO BE SUPPORTED FROM STRUCTURE ABOVE AT NO MORE THAN 6'-0" O.C. AND PROTECTED.

D. CONTRACTOR TO VERIFY EXACT LOCATION FOR EXISTING SECURITY DEVICES TO REMAIN, INCLUDING BUT NOT LIMITED TO: WAPS, CAMERAS, PA, FA, ETC.

E. FOR ANY SECURITY DEVICES TO BE ADDED AND/OR RELOCATED, GC IS TO COORDINATE DIRECTLY WITH DISTRICT VENDOR. SCOPE/COSTS TO BE INCLUDED IN BASE BID.

DISTRICT VENDOR FOR JP STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD:
DIGI
CONTACT:

F. PROTECT EXISTING SPRINKLER HEADS, AND SECURITY DEVICES.

G. WHERE CEILINGS ARE BEING REMOVED, ALSO REMOVE ALL EXISTING SUPPLY AND RETURN GRILLS. WHERE EXISTING DUCTWORK IS TO BE REUSED, SUPPORT AND PROTECT DUCTWORK DURING CONSTRUCTION.

H. MODIFY, ADJUST OR EXTEND EXISTING SPRINKLER SYSTEM COMPONENTS AND OTHER EXISTING INFRASTRUCTURE AS REQUIRED FOR NEW CEILING INSTALLATION.

I. WHERE CEILINGS ARE BEING REMOVED, ALSO REMOVE ANY DEVICES THAT ARE NOT FUNCTIONAL AND HAVE BEEN ABANDONED.

J. REPLACE ANY DAMAGED CEILING TILES IN ROOMS LOCATED UNDER ROOF REPLACEMENT SCOPE. GRID TO REMAIN. REFER TO ROOF PLAN FOR EXTENT OF SCOPE.

DEMO CEILING NOTES

C1. REMOVE EXISTING LAY IN CEILING SYSTEM IN AREA INDICATED. REMOVE LIGHT FIXTURES, AND HVAC DIFFUSERS IN THIS AREA. SUPPORT AND PROTECT DUCTWORK AND OTHER INFRASTRUCTURE TO BE REINSTALLED. REFER MEP FOR EXTENT OF WORK.

C2. REMOVE EXISTING LAY IN CEILING SYSTEM IN AREA INDICATED. REMOVE LIGHT FIXTURES. HVAC GRILLES AND OTHER INFRASTRUCTURE IS TO REMAIN. SUPPORT AND PROTECT DUCTWORK AND OTHER INFRASTRUCTURE TO BE REINSTALLED. REFER TO MEP.

C3. DEMO SOFFIT ABOVE EXISTING RECEPTION WINDOWS.

C4. PREP EXISTING CEILING FINISH FOR NEW PAINT. REFER TO A1.12

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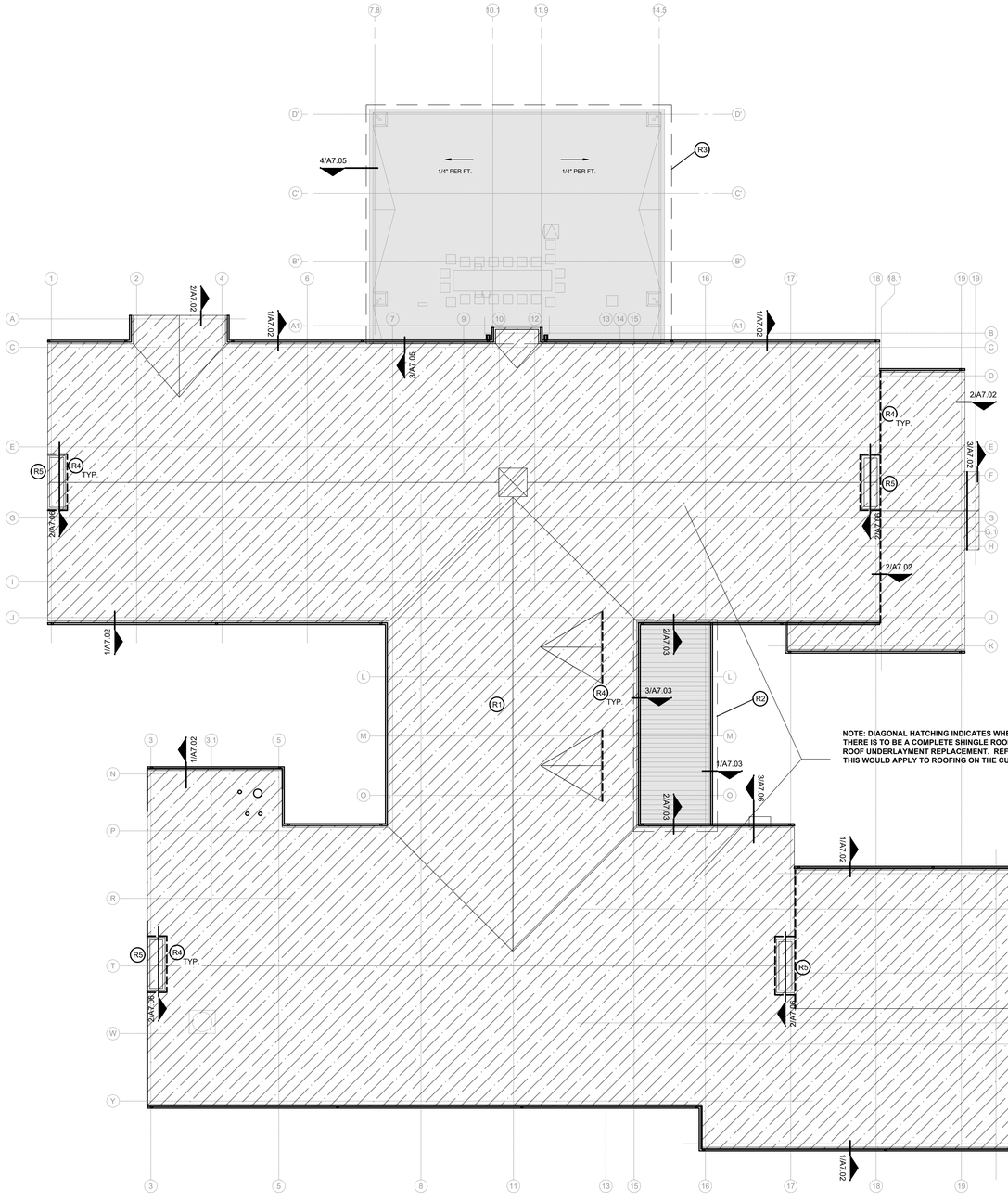
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OVERALL DEMO FIRST FLOOR RCP

JOB NO. **25016**

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AD1.12



DEMO ROOF PLAN LEGEND

ASPHALT SHINGLE ROOFING SYSTEM TO BE DEMOED, AND 50% PLYWOOD SHEATHING TO BE REPLACED WHERE SIGNS OF WATER DAMAGE ARE PRESENT.

ROOF AREA NOT IN BASE SCOPE.

DEMOLITION ROOF PLAN GENERAL NOTES

A. ANY ROOF MODIFICATIONS, PENETRATIONS REQUIRED FOR WORK IN THIS PACKAGE SHALL BE PERFORMED IN SUCH A WAY TO MEET ROOF MANUFACTURERS REQUIREMENTS TO CREATE THE REQUIRED WARRANTY.

B. ALL CONDUIT AND PIPING SHALL PENETRATE ROOF THRU APPROPRIATE MEANS TO COMPLY WITH THE WARRANTY. PENETRATIONS OF THE SIDES OF ROOF CURBS WILL NOT BE ALLOWED. SO ALL INFRASTRUCTURE THAT CREATE AN ISSUE WITH COMPLY WITH THE NEW WARRANTY SHALL BE REROUTED.

C. ALL EXISTING ROOFS OUTSIDE OF THE AREA BEING REROOFED ARE TO BE PROTECTED AGAINST ANY KIND OF DAMAGE. IF EXISTING SURROUNDING ROOFS ARE DAMAGED THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING THESE AREAS. ANY AREA WITH A ROOF WITH EXISTING WARRANTY THAT IS BEING MODIFIED IS TO HAVE THAT WARRANTY MAINTAINED.

D. NO WORK IS TO BE PERFORMED WHEN SPACE DIRECTLY BELOW ROOF IS OCCUPIED.

E. ALL EXISTING HVAC EQUIPMENT REQUIRED TO BE RAISED ARE TO HAVE THE ATTACHED DUCTWORK EXTENDED AS REQUIRED TO MAINTAIN FUNCTIONAL AFTER ROOF INSTALLATION. CONTRACTOR SHOULD VERIFY AND DOCUMENT THE FUNCTIONAL STATUS OF THE EQUIPMENT BEFORE AND AFTER THE CONSTRUCTION PROCESS TO MAINTAIN THE UNITS WORK AND FUNCTION THE SAME AS THEY DID BEFORE CONSTRUCTION.

F. CONTRACTOR IS TO PROTECT ALL ADJACENT BUILDING AND ROOF SURFACES. ALL BEAM PROTECTORS, METAL FLASHINGS, WIRELESS DEVICES, ETC. TO REMAIN ALSO NEED TO BE PROTECTED.

G. SATELLITE DISHES & ANTENNAS (IF VERIFIED W/OWNER THAT THEY ARE IN FACT NOT BEING USED ANYMORE) ARE TO BE REMOVED AND RELINQUISHED TO OWNER, OR REMOVED FROM THE SITE. CONTRACTOR TO COORDINATE REMOVAL WITH OWNER.

H. REMOVE EXISTING ROOFING MATERIAL AND INSULATION DOWN TO EXISTING DECK AND INSTALL NEW ROOFING SYSTEMS AS PER DETAILS ON A7 SERIES SHEETS.

I. IN AREA OF ROOF REPLACEMENT, ANY ABANDONED PENETRATIONS OR CURBS SHALL BE REMOVED. CONTRACTOR TO PATCH OR REPAIR OR REPLACE DECK DETAILS ARE ONLY SHOWN ON CONSTRUCTION SHEETS.

J. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND RECONNECTION OF ALL EQUIPMENT THAT IS NOT LISTED TO BE DEMOLISHED. NOT ALL SPACE PIPING PENETRATIONS ARE SHOWN ON PLANS FOR CLARITY PURPOSES.

K. REFER MEP DRAWINGS FOR REMOVAL AND RECONNECTION DETAILS FOR THE ROOF EQUIPMENT.

L. IF CONTRACTOR IS REQUIRED TO TRAVEL OVER PORTIONS OF THE EXISTING ROOF TO PERFORM THE RENOVATIONS, THE GC IS RESPONSIBLE FOR ANY DAMAGE TO THE AREA WHERE TRAVEL OCCURS.

M. REMOVE ALL EXISTING ROOF RELATED SHEET METAL TO INCLUDE COUNTER FLASHINGS, MISC. FLASHINGS, EXPANSION JOINTS, GUTTERS AND ROOF EDGE METAL.

N. REMOVE ALL EXISTING PITCH PANS, ALL EXISTING PIPING SHOULD BE ROUTED IN HARD CONDUIT TO ALLOW FOR INSTALLATION OF RESIN FLASHINGS.

O. ALL ROOFTOP EQUIPMENT, PIPING, CURBS, ETC. WILL BE RAISED IN ORDER TO MEET 14" MIN. FLASHING HEIGHTS ABOVE ROOF SURFACE LEVEL AS REQUIRED, RAISE ALL EXISTING ROOF LEVEL ELECTRICAL CONDUITS AND ASSOCIATED WIRING, GAS PIPING, CONDENSATE PIPING TO ACCOMMODATE RAISED UNITS AND RAISED ROOFTOP EQUIPMENT. REROUTE AND RECONNECT.

DEMO KEY ROOF PLAN NOTES

(R1) DEMO EXISTING ASPHALT SHINGLE ROOFING SYSTEM AND 50% OF THE PLYWOOD SHEATHING OR BIDDING PURPOSES. THE EXACT AMOUNT OF REPLACEMENT OF THE SHEATHING WILL BE ADJUSTED BASED ON UNIT PRICES DURING CONSTRUCTION.

(R2) IN THIS AREA REPLACE STANDING SEAM METAL ROOFING AND WINDOWS ABOVE THE HIGH POINT OF THE ROOF. THIS WOULD INCLUDE THE REMOVAL OF THE ROOF, THE ROOF MEMBRANE UNDER THE STANDING SEAM AND ANY ROTTED PLYWOOD DECKING. ADD ALT #1 NOT IN BASE SCOPE.

(R3) IN THIS AREA REPLACE MODIFIED BITUMEN ROOFING SYSTEM. THIS PROCESS WOULD INCLUDE THE REMOVAL OF THE EXISTING MOD. BIT ROOF MEMBRANE, INFRARED SCANNING OF THE INSULATION TO REMAIN, TO IDENTIFY ANY WET INSULATION AND REMOVAL OF THAT WET INSULATION. ADD ALT #2 NOT IN BASE SCOPE.

(R4) DASHED LINE DENOTES ROOF FLASHING TO BE REPLACED. REFER TO A7.01

(R5) REPLACE EXISTING LOUVERS. FINISH TO MATCH EXISTING.

1 **OVERALL DEMO ROOF PLAN**
SCALE: 1/16" = 1'-0"

0 8 16 32
SCALE: 1/16" = 1'-0"

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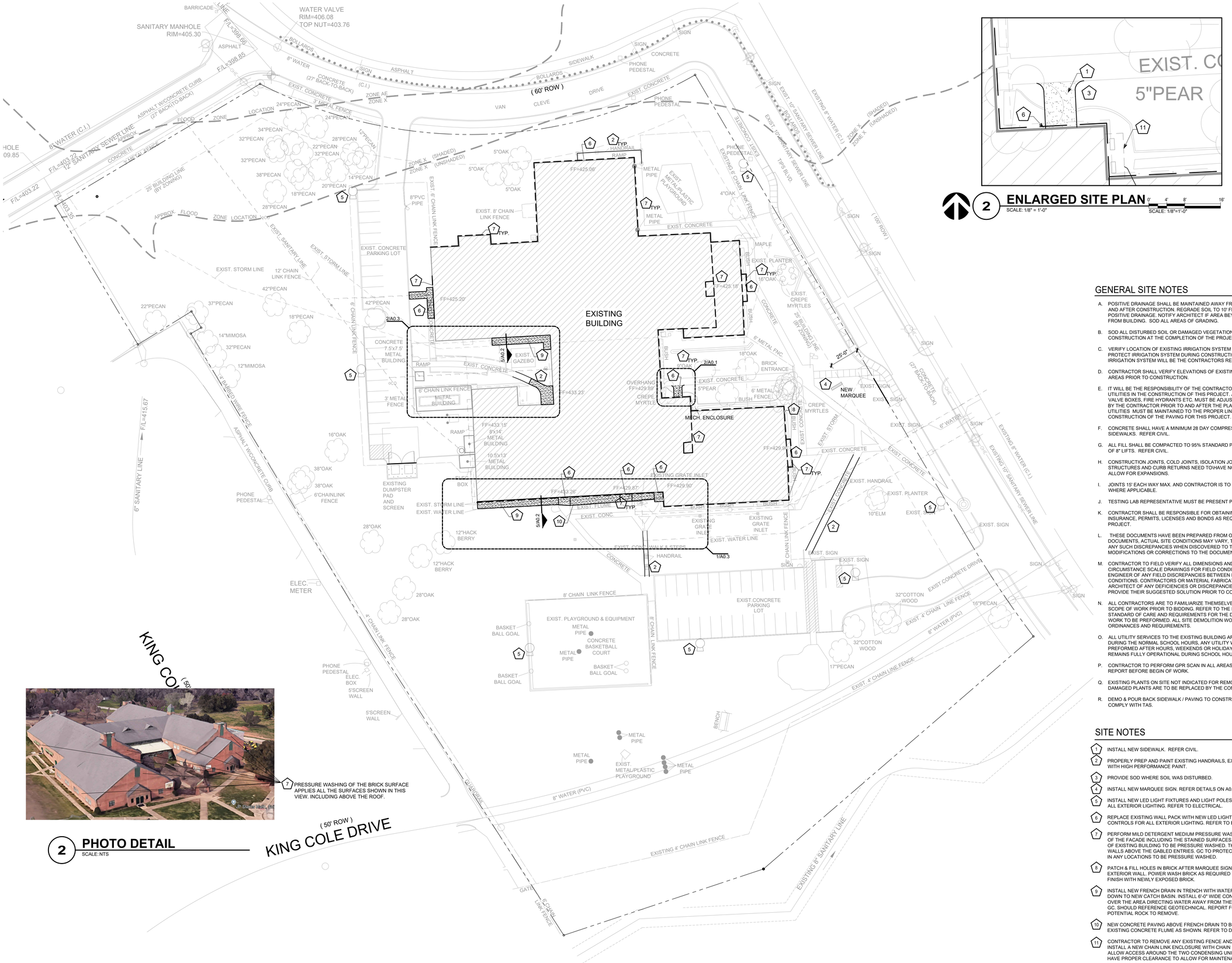
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OVERALL DEMO ROOF PLAN

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AD7.01



2 ENLARGED SITE PLAN

SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

SCALE: 1/8"=1'-0"

7 PRESSURE WASHING OF THE BRICK SURFACE APPLIES ALL THE SURFACES SHOWN IN THIS VIEW. INCLUDING ABOVE THE ROOF.

2 PHOTO DETAIL

SCALE: NTS

1 OVERALL SITE PLAN

SCALE: 1" = 30'-0"

0' 16' 32' 64'

SCALE: 1/30"=1'-0"

GENERAL SITE NOTES

A. POSITIVE DRAINAGE SHALL BE MAINTAINED AWAY FROM THE BUILDING, BOTH DURING AND AFTER CONSTRUCTION. REGRADE SOIL TO 10' FROM BUILDING TO PROVIDE POSITIVE DRAINAGE. NOTIFY ARCHITECT IF AREA BEYOND DOES NOT SLOPE AWAY FROM BUILDING. SOD ALL AREAS OF GRADING.

B. SOD ALL DISTURBED SOIL OR DAMAGED VEGETATION DUE TO DEMOLITION OR CONSTRUCTION AT THE COMPLETION OF THE PROJECT.

C. VERIFY LOCATION OF EXISTING IRRIGATION SYSTEM PRIOR TO STARTING WORK PROTECT IRRIGATION SYSTEM DURING CONSTRUCTION. DAMAGE TO EXISTING IRRIGATION SYSTEM WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR.

D. CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING PAVEMENT AND LANDSCAPE AREAS PRIOR TO CONSTRUCTION.

E. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO THE PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.

F. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000PSI FOR SIDEWALKS. REFER CIVIL.

G. ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 8" LIFTS. REFER CIVIL.

H. CONSTRUCTION JOINTS, COLD JOINTS, ISOLATION JOINTS, ABUTTING AGAINST STRUCTURES AND CURB RETURNS NEED TO/HAVE NON TACKING FILLER INSTALLED TO ALLOW FOR EXPANSIONS.

I. JOINTS 15' EACH WAY MAX. AND CONTRACTOR IS TO MATCH EXISTING JOINT PATTERN WHERE APPLICABLE.

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N. ALL CONTRACTORS ARE TO FAMILIARIZE THEMSELVES WITH THE SITE CONDITIONS AND SCOPE OF WORK PRIOR TO BIDDING. REFER TO THE PROJECT MANUAL FOR THE STANDARD OF CARE AND REQUIREMENTS FOR THE DEMOLITION AND RECONSTRUCTION WORK TO BE PREFORMED. ALL SITE DEMOLITION WORK IS TO CONFORM WITH CITY ORDINANCES AND REQUIREMENTS.

O. ALL UTILITY SERVICES TO THE EXISTING BUILDING ARE NOT TO BE INTERRUPTED DURING THE NORMAL SCHOOL HOURS, ANY UTILITY WORK TO BE PREFORMED SHALL BE PREFORMED AFTER HOURS, WEEKENDS OR HOLIDAYS TO ENSURE THAT THE BUILDING REMAINS FULLY OPERATIONAL DURING SCHOOL HOURS.

P. CONTRACTOR TO PERFORM GPR SCAN IN ALL AREAS OF EXTERIOR WORK & PROVIDE REPORT BEFORE BEGIN OF WORK.

Q. EXISTING PLANTS ON SITE NOT INDICATED FOR REMOVAL ARE TO BE PROTECTED. DAMAGED PLANTS ARE TO BE REPLACED BY THE CONTRACTOR.

R. DEMO & POUR BACK SIDEWALK / PAVING TO CONSTRUCTION JOINT AS NEEDED TO COMPLY WITH TAS.

SITE NOTES

1. INSTALL NEW SIDEWALK. REFER CIVIL.
2. PROPERLY PREP AND PAINT EXISTING HANDRAILS, EXTERIOR DOORS AND FRAMES WITH HIGH PERFORMANCE PAINT.
3. PROVIDE SOD WHERE SOIL WAS DISTURBED.
4. INSTALL NEW MARQUEE SIGN. REFER DETAILS ON A0.2, ELECTRICAL, & CIVIL.
5. INSTALL NEW LED LIGHT FIXTURES AND LIGHT POLES. ADD NEW CONTROLS FOR ALL EXTERIOR LIGHTING. REFER TO ELECTRICAL.
6. REPLACE EXISTING WALL PACK WITH NEW LED LIGHT FIXTURE. ADD NEW CONTROLS FOR ALL EXTERIOR LIGHTING. REFER TO ELECTRICAL.
7. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH OF THE ENTIRE SURFACE OF THE FACADE INCLUDING THE STAINED SURFACES. DASHED LINE DENOTES SIDE OF EXISTING BUILDING TO BE PRESSURE WASHED. THIS WOULD INCLUDE THE WALLS ABOVE THE GABLED ENTRIES. GC TO PROTECT SEALS AROUND WINDOWS IN ANY LOCATIONS TO BE PRESSURE WASHED.
8. PATCH & FILL HOLES IN BRICK AFTER MARQUEE SIGN IS REMOVED FROM EXTERIOR WALL. POWER WASH BRICK AS REQUIRED TO ENSURE SEAMLESS FINISH WITH NEWLY EXPOSED BRICK.
9. INSTALL NEW FRENCH DRAIN IN TRENCH WITH WATERPROOFING ON THE WALL DOWN TO NEW CATCH BASIN. INSTALL 6'-0" WIDE CONCRETE PAVING SECTION OVER THE AREA DIRECTING WATER AWAY FROM THE BUILDING. REFER TO 5/A0.2 GC. SHOULD REFERENCE GEOTECHNICAL. REPORT FOR SOILS CONDITIONS AND POTENTIAL ROCK TO REMOVE.
10. NEW CONCRETE PAVING ABOVE FRENCH DRAIN TO BE INSTALLED RIGHT AGAINST EXISTING CONCRETE FLUME AS SHOWN. REFER TO DETAIL 5/A0.2.
11. CONTRACTOR TO REMOVE ANY EXISTING FENCE AND POSTS IN THE AREA AND INSTALL A NEW CHAIN LINK ENCLOSURE WITH CHAIN LINK LID AND GATE TO ALLOW ACCESS AROUND THE TWO CONDENSING UNITS. THE ENCLOSURE IS TO HAVE PROPER CLEARANCE TO ALLOW FOR MAINTENANCE.

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REGISTERED ARCHITECT BRENT E. KLINE 70976 STATE OF TEXAS
03.25.2026

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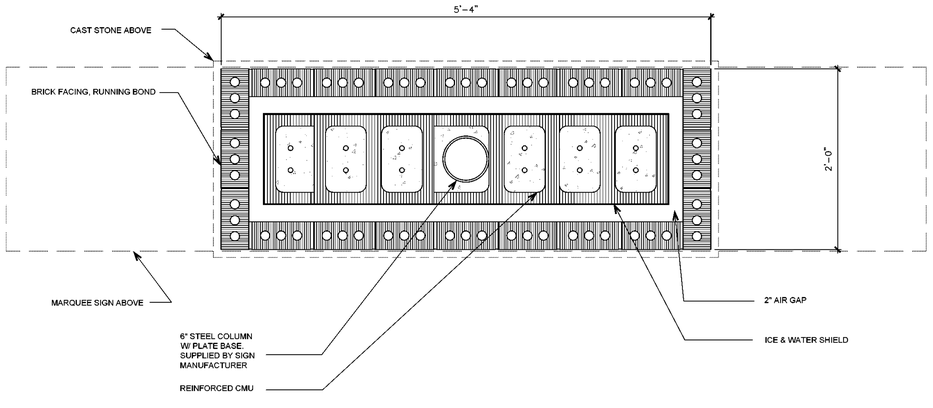
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OVERALL SITE PLAN

JOB NO. **25016**

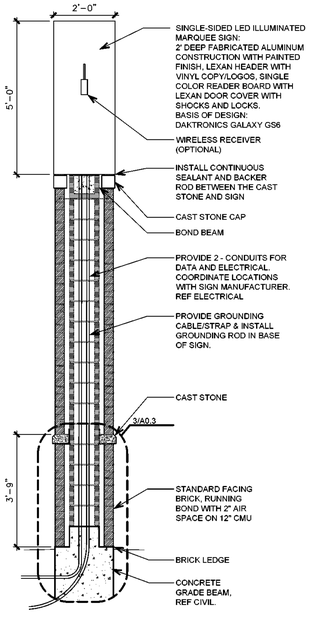
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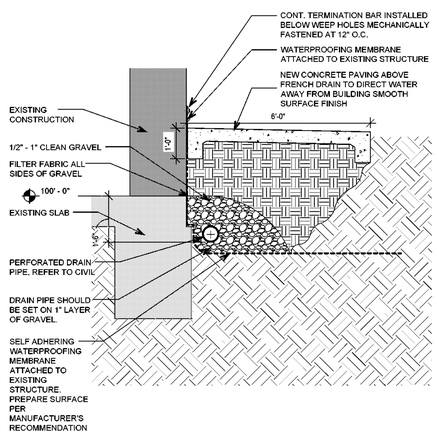
4 MARQUEE SIGN DETAIL

SCALE: 1 1/2" = 1'-0"



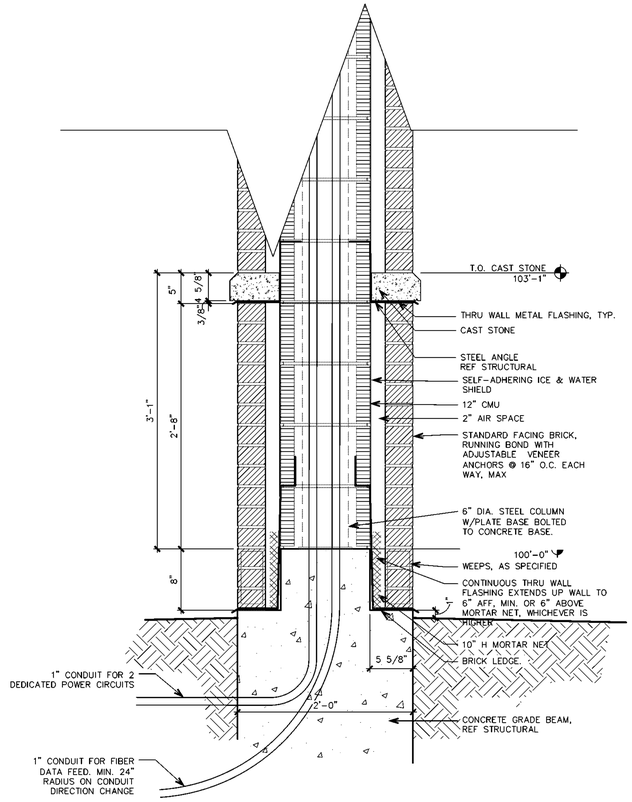
2 MARQUEE SIGN SECTION

SCALE: 1/2" = 1'-0"



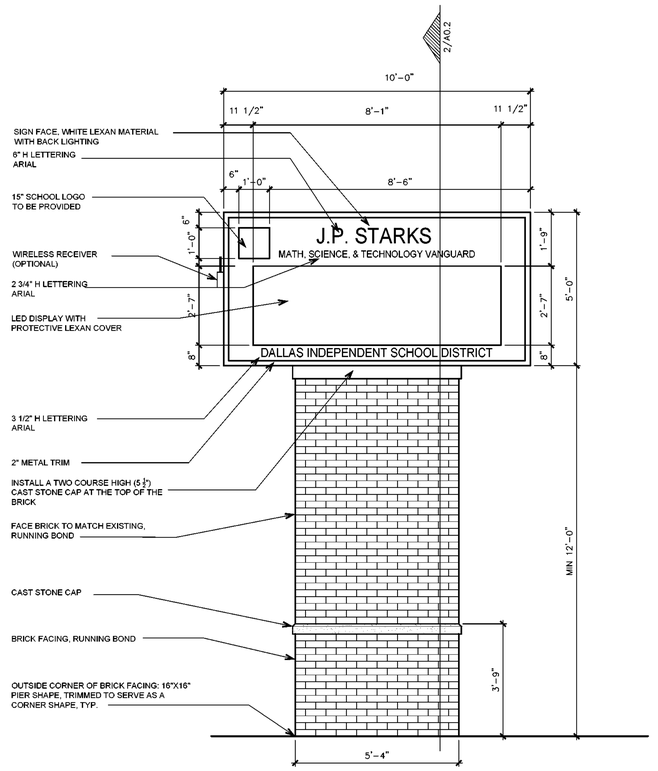
5 FRENCH DRAIN DETAIL

SCALE: 1/2" = 1'-0"



3 MARQUEE SIGN DETAIL

SCALE: 1 1/2" = 1'-0"



1 MARQUEE SIGN ELEVATION

SCALE: 1/2" = 1'-0"

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SITE DETAILS

JOB NO. 25016

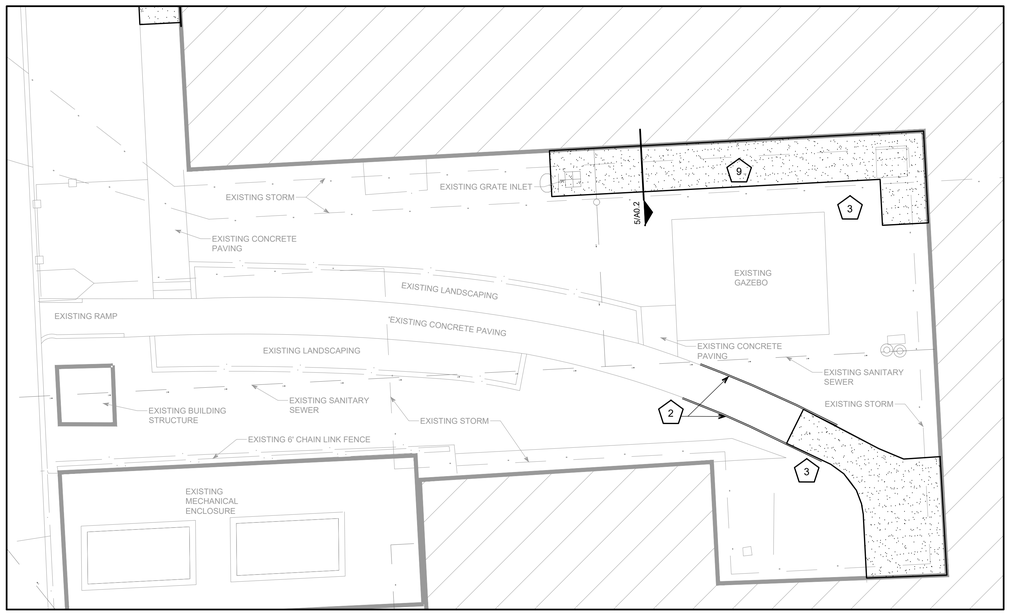
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2 ENLARGED SITE PLAN

SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
SCALE: 1/8"=1'-0"

SITE NOTES

1. INSTALL NEW SIDEWALK. REFER CIVIL.
2. PROPERLY PREP AND PAINT EXISTING HANDRAILS, EXTERIOR DOORS AND FRAMES WITH HIGH PERFORMANCE PAINT.
3. PROVIDE SOD WHERE SOIL WAS DISTURBED.
4. INSTALL NEW MARQUEE SIGN. REFER DETAILS ON A0.2, ELECTRICAL, & CIVIL.
5. INSTALL NEW LED LIGHT FIXTURES AND LIGHT POLES. ADD NEW CONTROLS FOR ALL EXTERIOR LIGHTING. REFER TO ELECTRICAL.
6. REPLACE EXISTING WALL PACK WITH NEW LED LIGHT FIXTURE. ADD NEW CONTROLS FOR ALL EXTERIOR LIGHTING. REFER TO ELECTRICAL.
7. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH OF THE ENTIRE SURFACE OF THE FACADE INCLUDING THE STAINED SURFACES. DASHED LINE DENOTES SIDE OF EXISTING BUILDING TO BE PRESSURE WASHED. THIS WOULD INCLUDE THE WALLS ABOVE THE GABLED ENTRIES. GC TO PROTECT SEALS AROUND WINDOWS IN ANY LOCATIONS TO BE PRESSURE WASHED.
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GENERAL SITE NOTES

A. POSITIVE DRAINAGE SHALL BE MAINTAINED AWAY FROM THE BUILDING, BOTH DURING AND AFTER CONSTRUCTION. REGRADE SOIL TO 10' FROM BUILDING TO PROVIDE POSITIVE DRAINAGE. NOTIFY ARCHITECT IF AREA BEYOND DOES NOT SLOPE AWAY FROM BUILDING. SOD ALL AREAS OF GRADING.

B. SOD ALL DISTURBED SOIL OR DAMAGED VEGETATION DUE TO DEMOLITION OR CONSTRUCTION AT THE COMPLETION OF THE PROJECT.

C. VERIFY LOCATION OF EXISTING IRRIGATION SYSTEM PRIOR TO STARTING WORK PROTECT IRRIGATION SYSTEM DURING CONSTRUCTION. DAMAGE TO EXISTING IRRIGATION SYSTEM WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR.

D. CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING PAVEMENT AND LANDSCAPE AREAS PRIOR TO CONSTRUCTION.

E. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO THE PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.

F. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000PSI FOR SIDEWALKS. REFER CIVIL.

G. ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 8" LIFTS. REFER CIVIL.

H. CONSTRUCTION JOINTS, COLD JOINTS, ISOLATION JOINTS, ABUTTING AGAINST STRUCTURES AND CURB RETURNS NEED TO/HAVE NON TACKING FILLER INSTALLED TO ALLOW FOR EXPANSIONS.

I. JOINTS 15' EACH WAY MAX. AND CONTRACTOR IS TO MATCH EXISTING JOINT PATTERN WHERE APPLICABLE.

J. TESTING LAB REPRESENTATIVE MUST BE PRESENT PRIOR TO AND DURING PAVING.

K. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL INSURANCE, PERMITS, LICENSES AND BONDS AS REQUIRED TO COMPLETE THE PROJECT.

L. THESE DOCUMENTS HAVE BEEN PREPARED FROM OWNER PROVIDED RECORD DOCUMENTS, ACTUAL SITE CONDITIONS MAY VARY, THE CONTRACTOR IS TO REPORT ANY SUCH DISCREPANCIES WHEN DISCOVERED TO THE ARCHITECT FOR MODIFICATIONS OR CORRECTIONS TO THE DOCUMENTS.

M. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS AND UNDER NO CIRCUMSTANCE SCALE DRAWINGS FOR FIELD CONDITIONS. NOTIFY THE ARCHITECT OR ENGINEER OF ANY FIELD DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL SITE CONDITIONS. CONTRACTORS OR MATERIAL FABRICATORS ARE TO NOTIFY THE ARCHITECT OF ANY DEFICIENCIES OR DISCREPANCIES THEY HAVE ENCOUNTERED AND PROVIDE THEIR SUGGESTED SOLUTION PRIOR TO CONTINUING THE PROPOSED WORK.

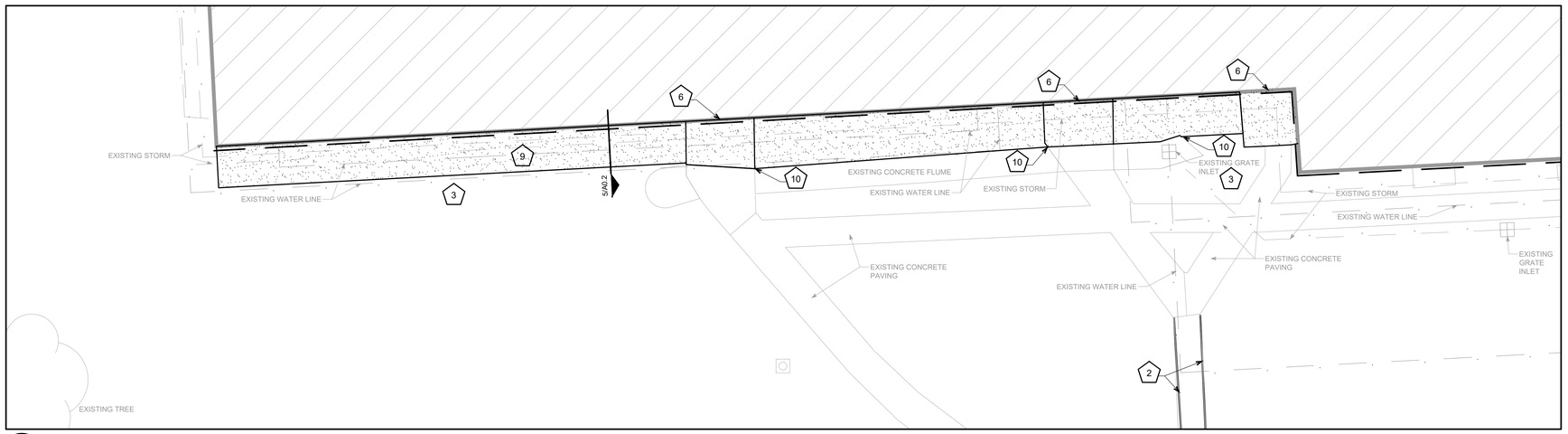
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R. DEMO & POUR BACK SIDEWALK / PAVING TO CONSTRUCTION JOINT AS NEEDED TO COMPLY WITH TAS.



1 ENLARGED SITE PLAN

SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
SCALE: 1/8"=1'-0"

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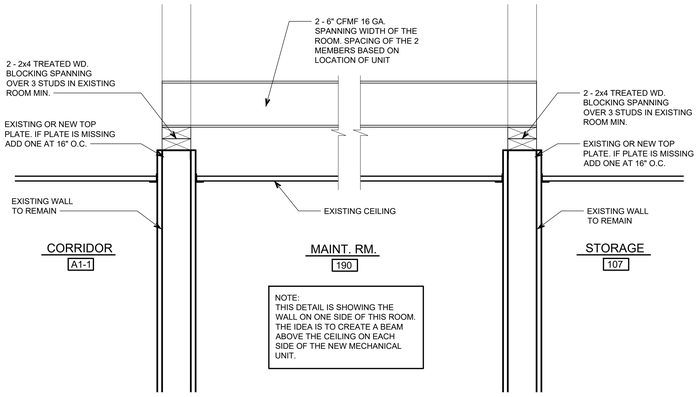
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CITY STATE
75216
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ENLARGED SITE PLANS

JOB NO. **25016**

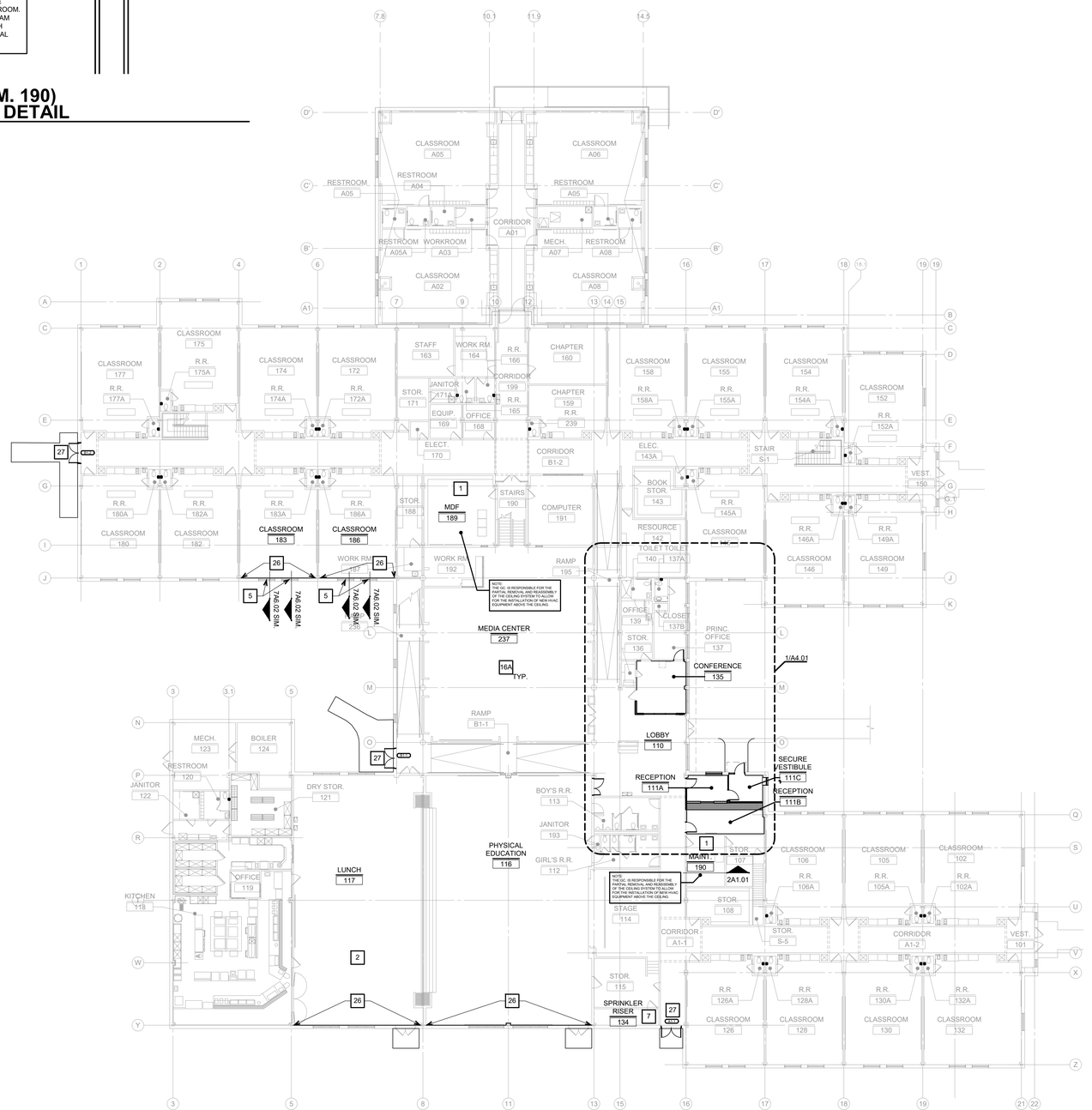
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2 (ABOVE CEILING IN MAINT. RM. 190) MECHANICAL UNIT SUPPORT DETAIL

SCALE: 1 1/2" = 1'-0"



1 OVERALL FIRST FLOOR PLAN

SCALE: 1/16" = 1'-0"

0 8 16 32

SCALE: 1/16" = 1'-0"

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03.25.2026

GENERAL PLAN NOTES

A. NEW / INFILLED WALLS ARE INDICATED BY HATCH. REFER TO A6 SERIES FOR WALL TYPES. A3D

B. INSTALL NEW DOOR, FRAME, AND HARDWARE PER DOOR SCHEDULE. REFER A6 SERIES. XXXX

C. CONTRACTOR IS TO FILL ANY HOLES IN THE SLAB OR REPAIR SLAB SURFACE WHERE WALL OR INFRASTRUCTURE WAS REMOVED BEFORE INSTALLING NEW FLOORING.

GENERAL PAINTING NOTES

A. ALL SURFACES TO BE PAINTED ARE TO BE PROPERLY PREPARED BEFORE PAINTING. THIS INCLUDES THE REMOVAL OF LOOSE PAINT, OILS AND OTHER DEBRIS AS REQUIRED BY PAINT MANUFACTURER TO ASSURE PROPER ADHESION AND COAT CONSISTENCY. ALL SURFACES ARE TO BE PRIMED.

B. ALL WALL MOUNTED SIGNS ON SURFACES TO BE PAINTED ARE TO BE CAREFULLY REMOVED BEFORE PAINTING & THEN REINSTALLED IN THE SAME LOCATION.

C. WHEN CEILINGS ARE PAINTED, AIR DIFFUSERS WITHIN THE AREA ARE TO BE COMPLETELY CLEANED OF ALL DIRT & DEBRIS & PAINTED IF NECESSARY, TO MATCH CEILING. IF ONE OR MORE DIFFUSERS NEEDS REPAINTING, THEN REPAINT ALL DIFFUSERS WITHIN THAT CEILING AREA.

D. ALL WALLS TO BE PAINTED ARE TO HAVE ALL REMOVABLE ITEMS SUCH AS ARTWORK, PICTURES, CLOCKS, FACEPLATES TO LIGHT SWITCHES & OUTLETS REMOVED BEFORE PAINTING.

E. OTHER ITEMS THAT REMAIN THAT DO NOT RECEIVE PAINT ARE TO BE PROPERLY PROTECTED FROM THE APPLICATION OF NEW PAINT, INCLUDING: CEILING TILE & GRID, DIFFUSERS, SPRINKLER HEADS, FIRE ALARM EQUIPMENT, SECURITY DEVICES, EXIT LIGHTS, LIGHT FIXTURES, WINDOW TREATMENTS, PROJECTION SCREENS & SUPPORTS, BELLS, SPEAKERS, WATER COOLERS, SIGNAGE, THERMOSTATS/SENSORS, LOCKERS, FRP, CORNER GUARDS, BASE, MISC. EQUIPMENT, ACOUSTICAL PANELS, ETC.

F. WHEN REPAINTING AN EXISTING PLASTER WALL, SKIM COAT THE ENTIRE WALL AND RETEXTURE BEFORE PAINTING. REFER TO SPECS FOR PLASTER REQUIREMENTS.

G. DO NOT PAINT MASONRY WALLS UNLESS THEY HAVE BEEN PREVIOUSLY PAINTED.

H. ALL FLOOR TILE IS TO BE INSTALLED OVER AN ANTI-FRACTURE MEMBRANE.

I. REFER TO INTERIOR ELEVATIONS (A8 SERIES FOR MORE INFORMATION ON NEW MILLWORK

J. ALL NEW DOORS TO RECEIVE NEW ROOM SIGNAGE. REFER DOOR SCHEDULE.

PLAN NOTES

1. INSTALL NEW SPLIT SYSTEM. REFER MEP. - ALTERNATE #3
2. INSTALL NEW VCT AND BASE. REFER A6 SERIES FOR FINISH INFORMATION.
3. INSTALL NEW CARPET AND BASE. REFER A6 SERIES FOR FINISH INFORMATION.
4. PAINT ENTIRE ROOM. WALLS, DOOR FRAMES (ALL SIDES), METAL CONDUIT, EXPOSED PIPES AND ALL PREVIOUSLY PAINTED SURFACES.
5. INSTALL NEW BLINDS ON EXISTING WINDOWS.
6. INSTALL NEW MILLWORK,
7. INSTALL NEW RPZ. REFER MEP.
8. NEW TACKABLE SURFACE - LENGTH INDICATED ON DRAWING
9. PROVIDE AND INSTALL CORNER GUARDS.
10. INSTALL NEW CERAMIC TILE AND BASE AS SCHEDULED. REFER TO A6 SERIES FOR FINISH INFORMATION.
11. INSTALL NEW DOOR AND FRAME. CHANGE DOOR SWING TO BE TAS COMPLIANT. REFE TO DOOR SCHEDULE.
12. PROVIDE "ALL CALL" TO BE CONNECTED WITH ONE WIRE TO EXISTING PA SYSTEM FOR EMERGENCIES. MICROPHONE TO BE LOCATED BEHIND THE RECEPTION DESK.
13. EXISTING TILE BASE TO BE REINSTALLED ON NEW WALL. REFER TO A6 SHEETS.
14. INSTALL NEW WALL FLUSH WITH EDGE OF EXISTING COLUMN BUMP-OUT. REFER TO A SHEETS FOR FINISHES.
15. NEW WALL TO ALIGN & BE FLUSH WITH EXISTING. PAINT ENTIRE WALL FROM CORNER BEHIND DOOR TO WHERE NEW WALL MEETS EXISTING COLUMN BUMP-OUT.
16A. INSTALL NEW FIRE ALARM SYSTEM THROUGHOUT ENTIRE CAMPUS. NEW PANELS TO BE LOCATED BEHIND NEW RECEPTION DESK.
16B. EXISTING FIRE ALARM SYSTEM PANELS TO REMAIN UNTIL NEW SYSTEM HAS BEEN INSTALLED AND TESTED. ONCE COMPLETED, REMOVE OLD PANELS AND PATCH WALL. TEXTURE TO MATCH EXISTING WALL FINISH. PAINT AS SCHEDULED.
17. EXISTING PA & BELL SYSTEMS TO REMAIN. PROTECT DURING CONSTRUCTION.
18. DASHED LINE DENOTES NEW CANOPY TO BE INSTALLED ABOVE NEW DOOR.
19. INSTALL NEW SIDEWALK TO NEW SECURE ENTRY. REFER TO CIVIL.
20. INSTALL NEW CAMERA DOOR BELL. REFER TO ELECTRICAL.
21. DOOR RELEASE TO BE LOCATED BEHIND DESK TO CONTROL DOORS 111AA, 111AB, &111A.
22. PROVIDE NEW ROOM ID SIGNAGE. REFER TO A6 SERIES.
23. REPAIR WALL WHERE WINDOW UNIT WAS REMOVED. MATCH CONSTRUCTION OF EXISTING EXTERIOR WALL. WALL FINISH TO MATCH EXISTING TEXTURE. PAINT AS SCHEULED.
24. INSTALL NEW DOOR AND FRAME IN EXISTING 5'-0" DOOR OPENING. NEW DOOR TO BE TAS COMPLIANT WITH 3'-0" DOOR NEXT TO 2'-0" LEAF. REFER TO A6.02.
25. PER MEETING WITH DISD MAINTENANCE, ADD SECOND ANNUNCIATOR PANEL TO THE LOBBY FOR EASY ACCESS. REFER TO FIRE ALARM PLANS.
26. INSTALL NEW IN-WALL INSULATION, GYP. BD. AND WINDOW SILLS TO REPLACE MATERIALS DEMOED ALONG LENGTH OF WALL. PAINT & RETEXTURE WALL FROM CORNER TO CORNER OF ROOM. FINISHES TO MATCH EXISTING. REFER TO A6 SERIES FOR FINISH INFORMATION.
27. REPLACE DOUBLE DOORS AND MANUAL HARDWARE. INSTALL CONDUIT FOR CABLE ACCESS FOR DOOR SECURITY HARDWARE AND CARD READER. ELECTRIFIED HARDWARE AND SECURITY TO BE REPLACED BY DISD.

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OVERALL FIRST FLOOR PLAN

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
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A1.11



1 OVERALL FIRST FLOOR REFLECTED CEILING PLAN

SCALE: 1/16" = 1'-0"

0 8 16 32

SCALE: 1/16" = 1'-0"

GENERAL CEILING NOTES

A. ALL INFRASTRUCTURE FROM ORIGINAL CEILING THAT IS TO REMAIN IS TO BE SUPPORTED IN PLACE AND REINSTALLED INTO NEW CEILING AS REQUIRED TO MAKE SURE EXISTING INFRASTRUCTURE IS IN WORKING ORDER.

B. ANY INFRASTRUCTURE ALONG THE WALL AFFECTED BY CEILING WORK IS TO BE RELOCATED / ADJUSTED TO MAINTAIN WORKING ORDER.

C. CONTRACTOR IS TO RELOCATE INFRASTRUCTURE AS REQUIRED TO INSTALL NEW LIGHT FIXTURES.

D. "INFRASTRUCTURE" INCLUDES, BUT IS NOT LIMITED TO, SECURITY DEVICES, MOTION DETECTORS, BELLS, FIRE PROTECTION DEVICES, SPEAKERS, IT DEVICES, ETC.

E. THE FIRE ALARM DEVICES ARE PROTECTED THROUGHOUT CONSTRUCTION AND REINSTALLED NEW CEILING. THEY ARE TO REMAIN UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED AND TESTED. ONLY THEN CAN THE EXISTING DEVICES BE REMOVED. IF THE CONTRACTOR CANNOT INSTALL THE EXISTING DEVICES WITHOUT DAMAGING THE NEW CEILING SYSTEMS, GC IS TO REPLACE THE DAMAGED CEILING TILES / REPAIR NEW GYP BOARD CEILINGS.

F. UNLESS NOTED OTHERWISE, ALL GRIDS ARE CENTERED WITHIN THE ROOM SUCH THAT REMAINING EDGE TILES ARE OF EQUAL SIZE AND MORE THAN 1'-0" AND/OR VERIFY W/ ARCHITECT.

G. EXIT LIGHT LOCATIONS TO BE COORDINATED WITH AUTHORITIES HAVING JURISDICTION.

H. IN SPACES WITH SINGLE LIGHT FIXTURES, CENTER LIGHT IN BOTH DIRECTIONS.

I. CENTER SPRINKLER HEADS IN CEILING TILES.

J. REFER TO A6 SERIES FOR FINISH INFORMATION.

K. ALL NEW CEILINGS ARE TO BE INSTALLED AT THE SAME HEIGHT AS THEY WERE REMOVED

L. WHEN PAINTING FURRDOWNS, PAINT ALL EXPOSED VERTICAL AND HORIZONTAL SURFACES.

M. REPLACE ANY DAMAGED CEILING TILES IN ROOMS LOCATED UNDER ROOF REPLACEMENT SCOPE. INSTALL IN EXISTING GRID.

CEILING NOTES

C1 INSTALL NEW CEILING GRID AND TILES, LIGHT FIXTURES, AND HVAC DIFFUSERS AS INDICATED. REFER MEP FOR DUCTWORK INFORMATION.

C2 INSTALL NEW GYP BD SOFFIT AND LIGHT FIXTURES AS INDICATED. REFER MEP FOR MORE INFORMATION.

C3 REFER TO MEP FOR MODIFICATION TO HVAC SYSTEM.

C4 PRIME AND PAINT EXISTING K13 CEILING IN MEDIA CENTER. REFER TO A6 SHEETS.

C5 PATCH TEXTURE ON EXISTING GYP. BD. CLG AT THE INTERSECTION WHERE NEW WALL IS INSTALLED. REPAINT CEILING. REFER TO A6 SHEETS.

REFLECTED CEILING PLAN KEY

	STARTING POINT FOR CLG. GRID WHEN NOT CENTERED		CEILING HEIGHT INDICATOR
	NEW LAY IN ACOUSTICAL TILES. REFER TO PLAN NOTES ON WHETHER THE GRID IS NEW OR EXISTING		EXISTING K13 CEILING - TO BE PRIMED AND PAINTED
	NEW GYPSUM BOARD CEILING		EXISTING GYPSUM BOARD CEILING TO REMAIN
	NEW LIGHT FIXTURES REFER ELEC		EXISTING LIGHT FIXTURES TO REMAIN
	NEW SUPPLY/RETURN/ EXHAUST DIFFUSERS REFER MEP	R	EXISTING LIGHT FIXTURES TO BE REINSTALLED IN NEW CEILING
R R	EXISTING SUPPLY/RETURN/ EXHAUST DIFFUSERS TO REINSTALLED IN NEW CEILING. REFER MEP		EXISTING SUPPLY/RETURN/ EXHAUST DIFFUSERS REFER MEP
PA R	EXISTING SPEAKER TO BE SUSPENDED AND RE-INSTALLED IN NEW CEILING	PA	NEW SPEAKER TO BE INSTALLED
CA	EXISTING CAMERA TO REMAIN	CA	NEW CAMERA
wap R	EXISTING WIRELESS ACCESS POINT TO BE RE-INSTALLED IN NEW CEILING BY OWNER		NEW EXIT SIGN REFER ELEC

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REGISTERED ARCHITECT BRENT E. KLINE 70976 STATE OF TEXAS

03.25.2026

DALLAS ISD BOND 2020 OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

J.P. STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD (ORG #263)

PROJECT
3033 TIPS BLVD.
ADDRESS
DALLAS **TX**
CITY STATE
75216
ZIP

OVERALL FIRST FLOOR RCP

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

A1.12

PLAN NOTES

1. INSTALL NEW SPLIT SYSTEM. REFER MEP. - ALTERNATE #3
2. INSTALL NEW VCT AND BASE. REFER A6 SERIES FOR FINISH INFORMATION.
3. INSTALL NEW CARPET AND BASE. REFER A6 SERIES FOR FINISH INFORMATION.
4. PAINT ENTIRE ROOM. WALLS, DOOR FRAMES (ALL SIDES), METAL CONDUIT, EXPOSED PIPES AND ALL PREVIOUSLY PAINTED SURFACES.
5. INSTALL NEW BLINDS ON EXISTING WINDOWS.
6. INSTALL NEW MILLWORK,
7. INSTALL NEW RPZ. REFER MEP.
8. NEW TACKABLE SURFACE - LENGTH INDICATED ON DRAWING
9. PROVIDE AND INSTALL CORNER GUARDS.
10. INSTALL NEW CERAMIC TILE AND BASE AS SCHEDULED. REFER TO A6 SERIES FOR FINISH INFORMATION.
11. INSTALL NEW DOOR AND FRAME. CHANGE DOOR SWING TO BE TAS COMPLIANT. REFER TO DOOR SCHEDULE.
12. PROVIDE "ALL CALL" TO BE CONNECTED WITH ONE WIRE TO EXISTING PA SYSTEM FOR EMERGENCIES. MICROPHONE TO BE LOCATED BEHIND THE RECEPTION DESK.
13. EXISTING TILE BASE TO BE REINSTALLED ON NEW WALL. REFER TO A6 SHEETS.
14. INSTALL NEW WALL FLUSH WITH EDGE OF EXISTING COLUMN BUMP-OUT. REFER TO A6 SHEETS FOR FINISHES.
15. NEW WALL TO ALIGN & BE FLUSH WITH EXISTING. PAINT ENTIRE WALL FROM CORNER BEHIND DOOR TO WHERE NEW WALL MEETS EXISTING COLUMN BUMP-OUT.
16A. INSTALL NEW FIRE ALARM SYSTEM THROUGHOUT ENTIRE CAMPUS. NEW PANELS TO BE LOCATED BEHIND NEW RECEPTION DESK.
16B. EXISTING FIRE ALARM SYSTEM PANELS TO REMAIN UNTIL NEW SYSTEM HAS BEEN INSTALLED AND TESTED. ONCE COMPLETED, REMOVE OLD PANELS AND PATCH WALL. TEXTURE TO MATCH EXISTING WALL FINISH. PAINT AS SCHEDULED.
17. EXISTING PA & BELL SYSTEMS TO REMAIN. PROTECT DURING CONSTRUCTION.
18. DASHED LINE DENOTES NEW CANOPY TO BE INSTALLED ABOVE NEW DOOR.
19. INSTALL NEW SIDEWALK TO NEW SECURE ENTRY. REFER TO CIVIL.
20. INSTALL NEW CAMERA DOOR BELL. REFER TO ELECTRICAL.
21. DOOR RELEASE TO BE LOCATED BEHIND DESK TO CONTROL DOORS 111AA, 111AB, &111A.
22. PROVIDE NEW ROOM ID SIGNAGE. REFER TO A6 SERIES.
23. REPAIR WALL WHERE WINDOW UNIT WAS REMOVED. MATCH CONSTRUCTION OF EXISTING EXTERIOR WALL. WALL FINISH TO MATCH EXISTING TEXTURE. PAINT AS SCHEULED.
24. INSTALL NEW DOOR AND FRAME IN EXISTING 5'-0" DOOR OPENING. NEW DOOR TO BE TAS COMPLIANT WITH 3'-0" DOOR NEXT TO 2'-0" LEAF. REFER TO A6.02.
25. PER MEETING WITH DISD MAINTENANCE, ADD SECOND ANNUNCIATOR PANEL TO THE LOBBY FOR EASY ACCESS. REFER TO FIRE ALARM PLANS.
26. INSTALL NEW IN-WALL INSULATION, GYP. BD. AND WINDOW SILLS TO REPLACE MATERIALS DEMOED ALONG LENGTH OF WALL. PAINT & RETEXTURE WALL FROM CORNER TO CORNER OF ROOM. FINISHES TO MATCH EXISTING. REFER TO A6 SERIES FOR FINISH INFORMATION.

GENERAL PLAN NOTES

A. NEW / INFILLED WALLS ARE INDICATED BY HATCH. REFER TO A6 SERIES FOR WALL TYPES.



B. INSTALL NEW DOOR, FRAME, AND HARDWARE PER DOOR SCHEDULE. REFER A6 SERIES.

C. CONTRACTOR IS TO FILL ANY HOLES IN THE SLAB OR REPAIR SLAB SURFACE WHERE WALL OR INFRASTRUCTURE WAS REMOVED BEFORE INSTALLING NEW FLOORING.

GENERAL PAINTING NOTES

A. ALL SURFACES TO BE PAINTED ARE TO BE PROPERLY PREPARED BEFORE PAINTING. THIS INCLUDES THE REMOVAL OF LOOSE PAINT, OILS AND OTHER DEBRIS AS REQUIRED BY PAINT MANUFACTURER TO ASSURE PROPER ADHESION AND COAT CONSISTENCY. ALL SURFACES ARE TO BE PRIMED.

B. ALL WALL MOUNTED SIGNS ON SURFACES TO BE PAINTED ARE TO BE CAREFULLY REMOVED BEFORE PAINTING & THEN REINSTALLED IN THE SAME LOCATION.

C. WHEN CEILINGS ARE PAINTED, AIR DIFFUSERS WITHIN THE AREA ARE TO BE COMPLETELY CLEANED OF ALL DIRT & DEBRIS & PAINTED IF NECESSARY, TO MATCH CEILING. IF ONE OR MORE DIFFUSERS NEEDS REPAINTING, THEN REPAINT ALL DIFFUSERS WITHIN THAT CEILING AREA.

D. ALL WALLS TO BE PAINTED ARE TO HAVE ALL REMOVABLE ITEMS SUCH AS ARTWORK, PICTURES, CLOCKS, FACEPLATES TO LIGHT SWITCHES & OUTLETS REMOVED BEFORE PAINTING.

E. OTHER ITEMS THAT REMAIN THAT DO NOT RECEIVE PAINT ARE TO BE PROPERLY PROTECTED FROM THE APPLICATION OF NEW PAINT, INCLUDING: CEILING TILE & GRID, DIFFUSERS, SPRINKLER HEADS, FIRE ALARM EQUIPMENT, SECURITY DEVICES, EXIT LIGHTS, LIGHT FIXTURES, WINDOW TREATMENTS, PROJECTION SCREENS & SUPPORTS, BELLS, SPEAKERS, WATER COOLERS, SIGNAGE, THERMOSTATS/SENSORS, LOCKERS, FRP, CORNER GUARDS, BASE, MISC. EQUIPMENT, ACOUSTICAL PANELS, ETC.

F. WHEN REPAINTING AN EXISTING PLASTER WALL, SKIM COAT THE ENTIRE WALL AND RETEXTURE BEFORE PAINTING. REFER TO SPECS FOR PLASTER REQUIREMENTS.

G. DO NOT PAINT MASONRY WALLS UNLESS THEY HAVE BEEN PREVIOUSLY PAINTED.

H. ALL FLOOR TILE IS TO BE INSTALLED OVER AN ANTI-FRACTURE MEMBRANE.

I. REFER TO INTERIOR ELEVATIONS (A8 SERIES FOR MORE INFORMATION ON NEW MILLWORK

J. ALL NEW DOORS TO RECEIVE NEW ROOM SIGNAGE. REFER DOOR SCHEDULE.

GENERAL CEILING NOTES

A. ALL INFRASTRUCTURE FROM ORIGINAL CEILING THAT IS TO REMAIN IS TO BE SUPPORTED IN PLACE AND REINSTALLED INTO NEW CEILING AS REQUIRED TO MAKE SURE EXISTING INFRASTRUCTURE IS IN WORKING ORDER.

B. ANY INFRASTRUCTURE ALONG THE WALL AFFECTED BY CEILING WORK IS TO BE RELOCATED / ADJUSTED TO MAINTAIN WORKING ORDER.

C. CONTRACTOR IS TO RELOCATE INFRASTRUCTURE AS REQUIRED TO INSTALL NEW LIGHT FIXTURES.

D. "INFRASTRUCTURE" INCLUDES, BUT IS NOT LIMITED TO, SECURITY DEVICES, MOTION DETECTORS, BELLS, FIRE PROTECTION DEVICES, SPEAKERS, IT DEVICES, ETC.

E. THE FIRE ALARM DEVICES ARE PROTECTED THROUGHOUT CONSTRUCTION AND REINSTALLED NEW CEILING. THEY ARE TO REMAIN UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED AND TESTED. ONLY THEN CAN THE EXISTING DEVICES BE REMOVED. IF THE CONTRACTOR CANNOT INSTALL THE EXISTING DEVICES WITHOUT DAMAGING THE NEW CEILING SYSTEMS, GC IS TO REPLACE THE DAMAGED CEILING TILES / REPAIR NEW GYP BOARD CEILINGS.

F. UNLESS NOTED OTHERWISE, ALL GRIDS ARE CENTERED WITHIN THE ROOM SUCH THAT REMAINING EDGE TILES ARE OF EQUAL SIZE AND MORE THAN 1'-0" AND/OR VERIFY W/ ARCHITECT.

G. EXIT LIGHT LOCATIONS TO BE COORDINATED WITH AUTHORITIES HAVING JURISDICTION.

H. IN SPACES WITH SINGLE LIGHT FIXTURES, CENTER LIGHT IN BOTH DIRECTIONS.

I. CENTER SPRINKLER HEADS IN CEILING TILES.

J. REFER TO A6 SERIES FOR FINISH INFORMATION.

K. ALL NEW CEILINGS ARE TO BE INSTALLED AT THE SAME HEIGHT AS THEY WERE REMOVED

L. WHEN PAINTING FURRDOWNS, PAINT ALL EXPOSED VERTICAL AND HORIZONTAL SURFACES.

M. REPLACE ANY DAMAGED CEILING TILES IN ROOMS LOCATED UNDER ROOF REPLACEMENT SCOPE. INSTALL IN EXISTING GRID.

CEILING NOTES

C1. INSTALL NEW CEILING GRID AND TILES, LIGHT FIXTURES, AND HVAC DIFFUSERS AS INDICATED. REFER MEP FOR DUCTWORK INFORMATION.

C2. INSTALL NEW GYP BD SOFFIT AND LIGHT FIXTURES AS INDICATED. REFER MEP FOR MORE INFORMATION.

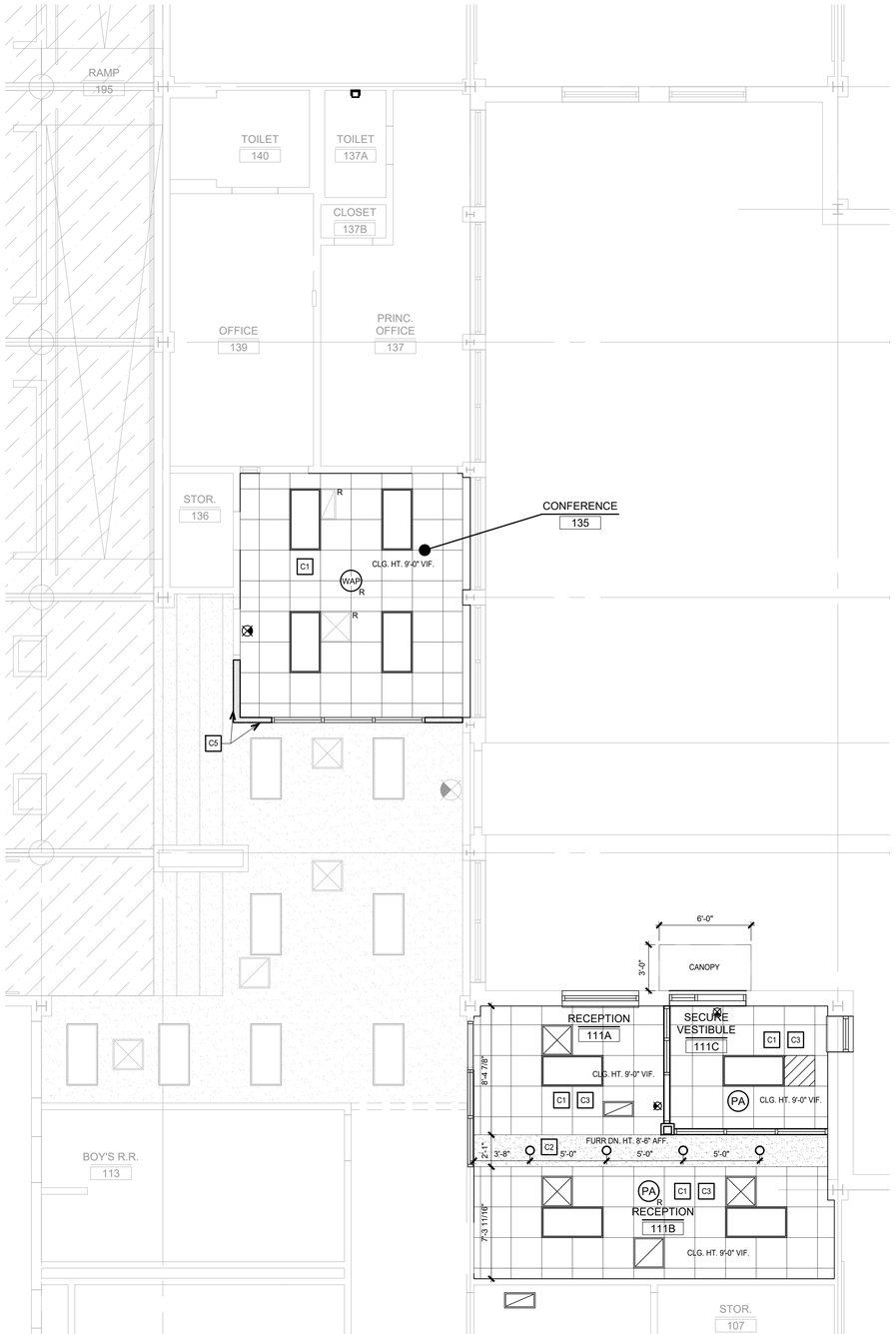
C3. REFER TO MEP FOR MODIFICATION TO HVAC SYSTEM.

C4. PRIME AND PAINT EXISTING K13 CEILING IN MEDIA CENTER. REFER TO A6 SHEETS.

C5. PATCH TEXTURE ON EXISTING GYP. BD. CLG AT THE INTERSECTION WHERE NEW WALL IS INSTALLED. REPAINT CEILING. REFER TO A6 SHEETS.

REFLECTED CEILING PLAN KEY

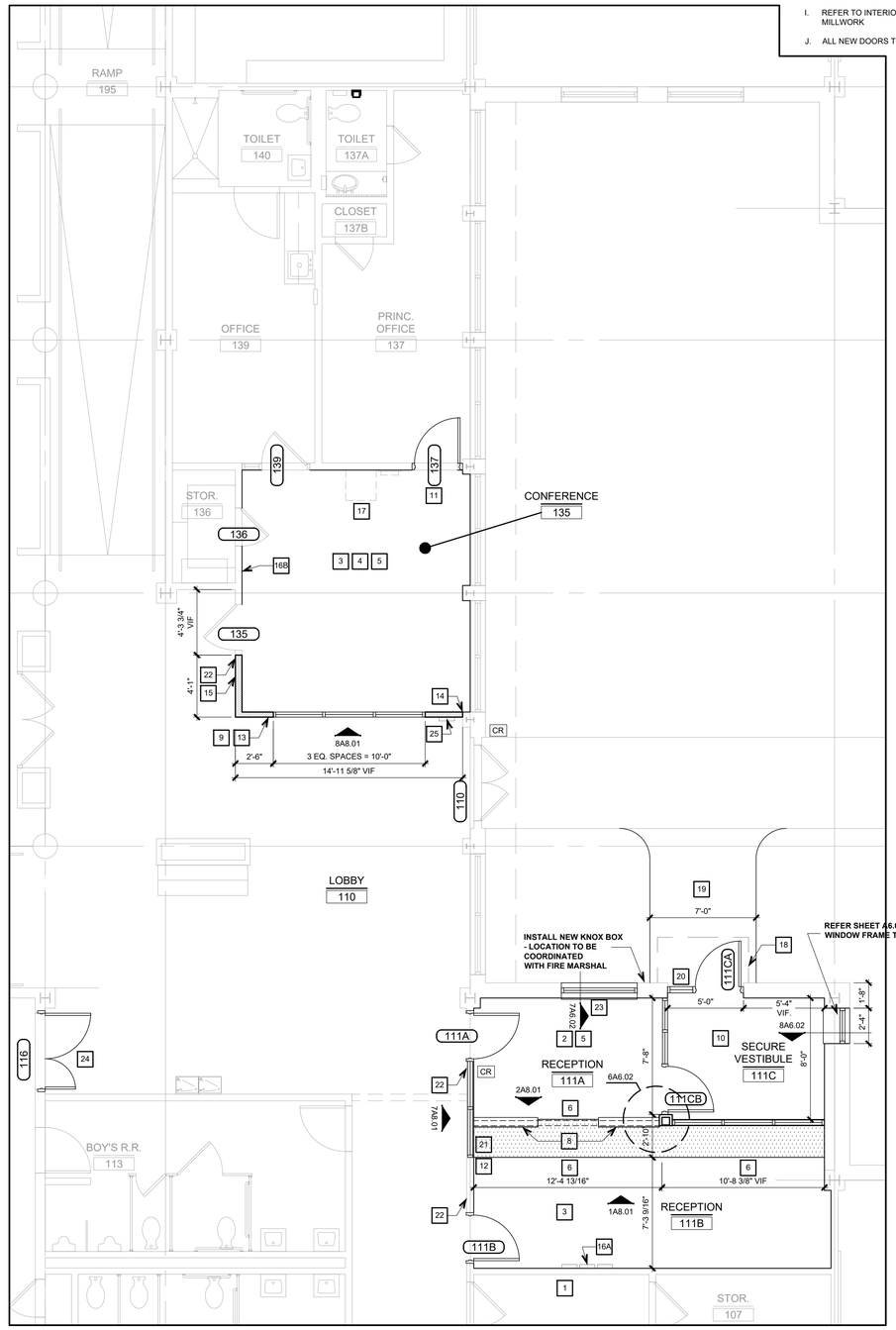
	STARTING POINT FOR CLG. GRID WHEN NOT CENTERED		CEILING HEIGHT INDICATOR
	NEW LAY IN ACOUSTICAL TILES. REFER TO PLAN NOTES ON WHETHER THE GRID IS NEW OR EXISTING		EXISTING K13 CEILING - TO BE PRIMED AND PAINTED
	NEW GYPSUM BOARD CEILING		EXISTING GYPSUM BOARD CEILING TO REMAIN
	NEW LIGHT FIXTURES REFER ELEC		EXISTING LIGHT FIXTURES TO REMAIN
	NEW SUPPLY/RETURN/ EXHAUST DIFFUSERS REFER MEP	R	EXISTING LIGHT FIXTURES TO BE REINSTALLED IN NEW CEILING
R R	EXISTING SUPPLY/RETURN/ EXHAUST DIFFUSERS TO REINSTALLED IN NEW CEILING. REFER MEP		EXISTING SUPPLY/RETURN/ EXHAUST DIFFUSERS REFER MEP
PA R	EXISTING SPEAKER TO BE SUSPENDED AND RE-INSTALLED IN NEW CEILING	PA	NEW SPEAKER TO BE INSTALLED
CA	EXISTING CAMERA TO REMAIN	CA	NEW CAMERA
wap R	EXISTING WIRELESS ACCESS POINT TO BE RE-INSTALLED IN NEW CEILING BY OWNER		NEW EXIT SIGN REFER ELEC



2 ENLARGED REFLECTED CEILING PLAN

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

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



1 ENLARGED PLAN

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

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

KLINE HARDIN
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ENLARGED PLANS

JOB NO. 25016

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

A4.01

ROOM FINISH SCHEDULE

ROOMS		FLOOR	BASE	WALL FINISH/ MATERIAL				CELINGS		REMARKS
RM #	NAME	MATERIAL	MATERIAL	EAST	NORTH	SOUTH	WEST	MATERIAL	HEIGHT	
110	LOBBY	-	EXIST.	-	-	-	-	-	-	1
111A	RECEPTION	F1	B1	W1	W1	W1	W1	C1	9'-0" VIF	4
111B	RECEPTION	F2	B1	W1	W1	W1	W1	C1/C2	9'-0" VIF	2,4
111C	SECURE VESTIBULE	F4	B1	W1	W1	W1	W1	C1	9'-0" VIF	4
116	PHYSICAL EDUCATION	-	B1	W1	W1	W1	W1	-	20'-0"VIF	5
117	LUNCH	F1	B1	W1	W1	W1	W1	-	13'-0"VIF	5
135	CONFERENCE	F3	B1	W1	W1	W1	W1	C1	9'-0" VIF	3,4
183	CLASSROOM 183	-	MATCH EXIST.	-	-	MATCH EXIST.	-			5, 6
186	CLASSROOM 186	-	MATCH EXIST.	-	-	MATCH EXIST.	-			5,6

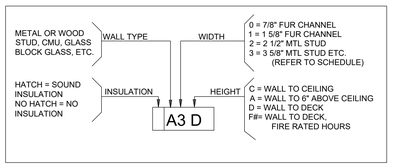
Notes
1. REINSTALL EXISTING TILE BASE ON NEW WALL.
2. INSTALL GYP. BD. SOFFIT AT 8'-6" HEIGHT
3. PAINT HM FRAMES SAME COLOR AS ADJACENT WALL.
4. INSTALL NEW CEILING GRID AND TILES AT SAME HEIGHT AS EXISTING
5. REPLACE GYP BD ON SOUTH WALL AS NOTED ON AD1.11. RETEXTURE & PAINT ENTIRE WALL FROM CORNER TO CORNER. FINISH AND PAINT TO MATCH EXISTING.
6. REPLACE EXISTING BLINDS & WINDOW SILLS.

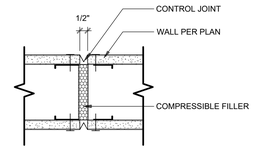
JP STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD MATERIAL FINISH SCHEDULE

PRODUCT	DESCRIPTION	MANUFACTURER	SERIES	SIZE	COLOR/FINISH	REMARKS
BASE						
B1	RUBBER BASE	ROPPE	700 SERIES	4" HIGH	100 BLACK	TO MATCH EXSIITNG
FLOORING						
F1	VCT	ARMSTRONG	ARMSTRONG- EXCELON	12" X 12"	MATCH EXSIITNG	MATCH EXSIITNG
F2	CARPET	MOHAWK	CORRESPONDING ANGLE BT599	24X24	944 POLYGON PURPLE	
F3	CARPET	MOHAWK	CARTESIAN PLANE BT600	24X24	944 POLYGON PURPLE	
F4	PORCELAIN TILE	DALTILE	VOLUME 1.0	6" X 6"	VL71 DEGREES SILVER	INSTALLATION: MONOLITHIC
	EPOXY GROUT	CUSTOM BUILDING PRODUCTS	100% SOLID EPOXY W/ MOLDGARD	1/16"	TBD	
WALLS						
W1	PAINT GYP. BOARD				PT1	PRIMER AND 2 COATS REQUIRED LT. SAND TEXTURE
PAINT						
PT1	PAINT	SHERWIN- WILLIAMS	SEMI-GLOSS	SW9541 WHITE SNOW OR MATCH EXISTING	TO MATCH EXISTING WHITE	WALL/CEILING FIELD COLOR
PT2	HIGH PERFORMANCE COATING	SHERWIN- WILLIAMS	SEMI-GLOSS		TO MATCH EXISTING WHITE	PAINT ALL DOOR FRAMES INSIDE CONFERENCE 135
PT3	HIGH PERFORMANCE COATING	SHERWIN- WILLIAMS	SEMI-GLOSS		MATCH EXISTING	PAINT TO MATCH EXISTING HOLLOW METAL FRAMES
CELINGS						
C1	ACOUSTICAL CEILING PANEL	ARMSTRONG	FINE FISSURED 1831 (FG)	24"X24"	WHITE	GRID AND TILE CEILING TEES TO BE SQUARE LAY-IN 15/16". COLOR: WHITE
	CEILING GRID	ARMSTRONG		24" X 24" X 5/8"	WHITE	
C2	GYP BOARD	REFER SPECIFICATIONS			PT1	PRIMER AND 2 COATS REQUIRED LT. SAND TEXTURE
MILLWORK						
M1	SOLID SURFACE	DURAT			D0100-08 WHITE	SEE ELEVATIONS
M2	PLASTIC LAMINATE	WILSON ART		62.40" X 51.15"	HARDING OAK 8258K-05	SEE ELEVATIONS
M3	WOOD STAIN	MATCH EXISTING DOORS	MATCH EXISTING DOORS		MATCH EXISTING DOORS	SEE ELEVATIONS
SPECIALTY						
S1	TACKABLE FABRIC	GUILFORD OF MAINE	FR701 2100		GREY MIX 238	

PARTITION GENERAL NOTES

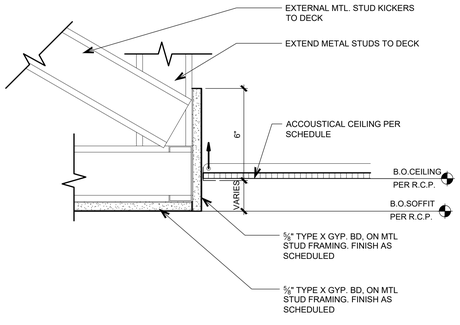
1. ALL LIGHT GAUGE CONSTRUCTION IS TO BE DESIGNED AND STAMPED BY A LICENSED ENGINEER AS SPECIFIED.
2. ALL PARTITIONS CONTAINING PLUMBING OR HAVING AN EXTERIOR FACE ARE TO BE INSULATED.
3. ALL RATED PARTITIONS TO EXTEND FROM TOP OF SLAB TO UNDERSIDE OF STRUCTURE. SEAL TOP AND BOTTOM, TYPICAL.
4. REFER TO PLANS FOR LOCATION OF PARTITION TYPES. A3D WITH INSULATION IS A TYPICAL PARTITION UNLESS NOTED OTHERWISE.
5. INSTALL FRAMING AND GYPSUM WALL BOARD TO OFFSET AROUND STRUCTURAL MEMBERS OR OTHER OBSTRUCTIONS TO MAINTAIN FIRE RESISTIVE RATINGS.
6. WHERE GYPSUM WALL BOARD EXTENDS TO THE UNDERSIDE OF STRUCTURE, STOP GYPSUM WALL BOARD 1/2" BELOW LINE OF STRUCTURE AND SEAL AS REQUIRED.
7. FIRE RESISTANT, RATED PARTITIONS TO BE INSTALLED WITH FIRESTOP SEALANT.
8. NON-RATED PARTITIONS TO BE INSTALLED WITH ACOUSTICAL SEALANT, UNLESS NOTED OTHERWISE.
9. REFER TO MECHANICAL DRAWINGS FOR DETAILS ON PIPE PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AS WELL AS RATED PARTITIONS.
10. REVIEW INTERIOR ELEVATIONS AND PLANS FOR EQUIPMENT BLOCKING NOTES.
11. ALL PARTITIONS SCHEDULED TO RECEIVE TILE OR FRP SHALL BE CONSTRUCTED OF CEMENT BOARD.
12. DO NOT INSTALL GYPSUM WALL BOARD IN DIRECT CONTACT WITH THE FLOOR. ALL PARTITIONS SHALL BE SHIMMED 1/2" OFF THE FLOOR WITH PLASTIC NON-POROUS HORSESHOE SHIMS. GYPSUM WALL BOARD SHIMS ARE NOT ACCEPTABLE.
13. ALL RATED PARTITIONS ARE TO BE DESIGNED PER NOTED UL ASSEMBLY GUIDELINES, INCLUDING MINIMUM STUD SIZE, GAUGE, AND SPACING REQUIREMENTS.
14. INSTALL FIRE RETARDANT, TREATED BLOCKING IN PARTITIONS AS REQUIRED ON DRAWINGS.
15. INSTALL PARTITION DRYWALL CONTROL JOINTS AT A MAXIMUM 24'-0" ON CENTER AND ABOVE EACH SIDE OF DOOR FRAME.





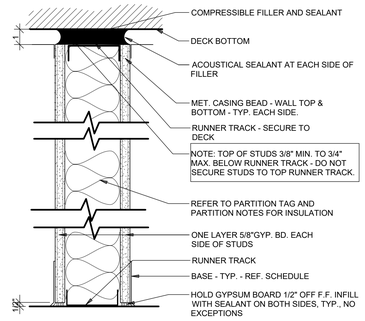
NON-RATED WALLS

CONTROL JOINTS PLACED AT 24'-0" MAX.



2 SOFFIT DETAIL

SCALE: 3" = 1'-0"



WALL TYPE	METAL STUD	PARTITION WIDTH	FIRE RATING	UL LISTING	STC RATING		NOTES
					NO SOUND ATTENUATION	WITHSOUND ATTENUATION	
A3	3 5/8"	4 7/8"	-	-	-	-	-
A6	6"	7 1/4"	-	-	-	-	-
A8	8"	8 1/4"					

1 WALL TYPE A

SCALE: 3" = 1'-0"

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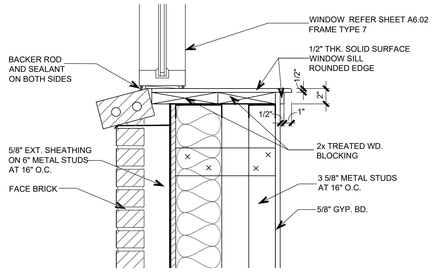
ZIP

PARTITION TYPES & FINISH SCHEDULE

JOB NO. **25016**

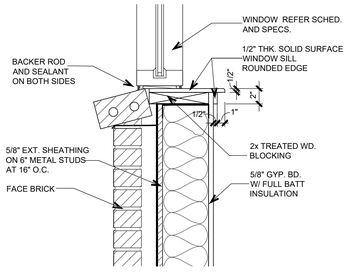
DATE	ISSUE FOR	DRAWN BY
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A6.01



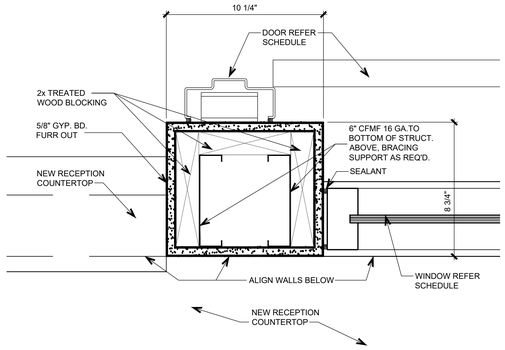
8 SILL DETAIL AT EXT. WINDOW

SCALE: 1 1/2"" = 1'-0"



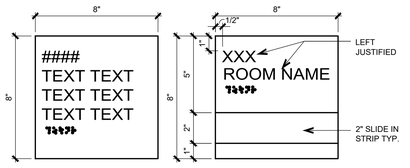
7 SILL DETAIL AT EXT. WINDOW

SCALE: 1 1/2"" = 1'-0"



6 COLUMN DETAIL

SCALE: 3" = 1'-0"



SIGN "B"
ROOM NUMBER & ROOM NAME
WITH BRAILLE

SIGN "A"
ROOM NUMBER & ROOM NAME
2" SLIDE IN NAME STRIP
WITH BRAILLE

GENERAL SIGNAGE NOTES:

A. ALL SIGNS TO BE COMPLIANT WITH TAS 2012.

B. ALL SIGNS TO BE MOUNTED IN ACCORDANCE WITH TAS 2012.

C. NEW SIGNAGE IS TO MATCH SIGNAGE IN NEW ADDITION. VERIFY THAT NEW SIGNAGE MATCHES EXISTING IN STYLE, SIZE, COLOR & TYPE.

-ALL TEXT TO BE 3/4" H ALL CAPS, SAN SERIF FONT.

-SIGN TEXTURE IS TO BE MATTE WITH BLUE BACKGROUND COLOR AND WHITE RAISED LETTERS.

D. REFER TO DOOR SCHEDULE FOR SIGNAGE TEXT. ALL SIGNAGE TEXT INCLUDING ROOM NAMES & ROOM NUMBERS ARE TO BE VERIFIED.

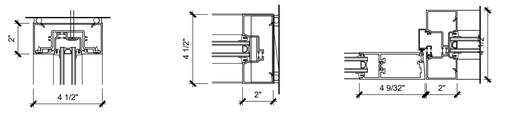
E. MOUNT WITH DOUBLE SIDED 3M TYPE TAPE.

F. INSTALL BLANK BACK PLATE WHERE INSTALLED ON GLASS.

G. REFER DOOR SCHEDULE FOR LOCATIONS.

5 ROOM SIGNAGE

SCALE: 3" = 1'-0"



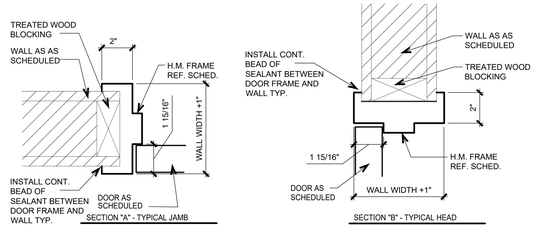
SECTION "A" - TYPICAL HEAD

SECTION "B" - TYPICAL JAMB

SECTION "C" - TYPICAL DOOR-TO-WINDOW JAMB

4 TYPICAL ALUMINUM FRAME DETAILS

SCALE: 3" = 1'-0"



SECTION "A" - TYPICAL JAMB

SECTION "B" - TYPICAL HEAD

3 TYPICAL HOLLOW METAL FRAME DETAILS

SCALE: 3" = 1'-0"

JP STARKS MATH, SCIENCE, TECHNOLOGY VANGUARD DOOR SCHEDULE

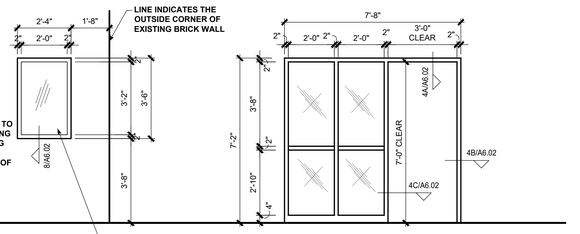
Door No.	Room No.	Room Name	Door Size	Door Type	Door Finish	Frame Type	Frame Finish	Head Detail	Jamb Detail	Fire Rating	Hdw. Group	Sign Type	Sign Text	Remarks
FIRST FLOOR														
110	110	LOBBY	EXISTING TO REMAIN	-	-	-	-	-	-	-	EXIST-PR	-		
111A	111A	RECEPTION	3'-0"X7'-0"X1 3/4"	B	M3	1	PT-3	3B/A6.02	3A/A6.02	-	CR711AV	A	RECEPTION	
111B	111B	RECEPTION	3'-0"X7'-0"X1 3/4"	B	M3	1	PT-3	3B/A6.02	3A/A6.02	-	201	A	RECEPTION	
111CA	111C	SECURE VESTIBULE	3'-0"X7'-0"X1 3/4"	C	ANOD	2	ANOD	4A/A6.02	4B/A6.02 4C/A6.02	-	CR715A			4
111CB	111C	SECURE VESTIBULE	3'-0"X7'-0"X1 3/4"	C	ANOD	3	ANOD	4A/A6.02	4B/A6.02 4C/A6.02	-	CR711AV	-		
116	116	PHYSICAL EDUCATION	3'-0"X7'-0"X1 3/4", 2'-0"X7'-0"X1 3/4"	D	M3	5	PT-3	3B/A6.02	3A/A6.02	-	750CHXX	A	GYMNASIUM	3
135	135	CONFERENCE	EXISTING TO REMAIN	-	-	-	-	-	-	-	EXT-SGL	A	CONFERENCE	
136	136	STORAGE	EXISTING TO REMAIN	-	-	-	PT-2	-	-	-	EXT-SGL	B	STORAGE 136	2
137	137	PRINCIPAL'S OFFICE	3'-0"X7'-0"X1 3/4"	A	M3	1	PT-2	3B/A6.02	3A/A6.02	-	103S	A	PRINCIPAL	1
139	139	OFFICE	EXISTING TO REMAIN	-	-	-	PT-2	-	-	-	EXT-SGL	B	OFFICE	2
A1-1	CORRIDOR A1-1	EXTERIOR FROM CORRIDOR A1-1	6'-0"X7'-0"X1 3/4"	E	PT-4	4	PT-3	3B/A6.02	3A/A6.02	-	C714M			4
B1-1	RAMP B1-1	EXTERIOR FROM RAMP B1-1	6'-0"X7'-0"X1 3/4"	E	PT-4	4	PT-3	3B/A6.02	3A/A6.02	-	C714M			4
B1-2	CORRIDOR B1-2	EXTERIOR FROM CORRIDOR B1-2	6'-0"X7'-0"X1 3/4"	E	PT-4	4	PT-3	3B/A6.02	3A/A6.02	-	C714M			4

REMARKS:
1. CHANGE DOOR SWING AS SHOWN ON PLAN. REPLACE DOOR AND FRAME. FINISHES TO MATCH EXISTING.
2. PAINT HOLLOW METAL DOOR FRAME ON CONFERENCE ROOM SIDE ONLY. EXISTING DOOR FINISH TO REMAIN.
3. 5'-0" DOOR OPENING. REPLACE EXISTING DOUBLE DOOR WITH UNEQUAL LEAF PAIR TO COMPLY WITH TAS.
4. ADD TEA NUMBERS TO THE EXTERIOR AND INTERIOR OF THE DOORS. THESE ARE TO BE ADHESIVE BACK NUMBERS TO MATCH THAT OF THE EXISTING NUMBERS

GC IS TO CUT OPENING ON THE INTERIOR WALL TO VERIFY THAT THE WINDOW CALLED OUT HERE DOES NOT CONFLICT WITH EXISTING WIND BRACING IN WALL BEFORE BEGINNING WITH PRODUCTION OF WINDOW.

THIS WINDOW IS LOCATED IN VESTIBULE 111C

THE CONTRACTOR IS TO SALAVGE THE EXISTING BRICK FROM OPENING CREATED TO FILL IN AROUND THE EDGES OF THE WINDOW WITH SOLID BRICKS.

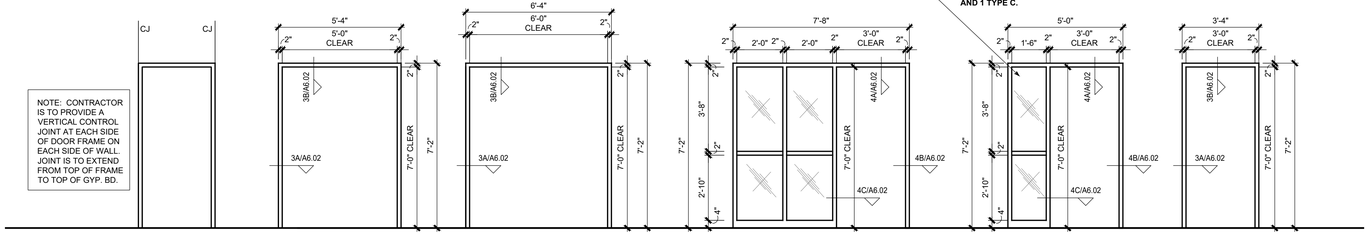


TYPE "7" ALUMINUM CLEAR ANODIZED

TYPE "6" ALUMINUM CLEAR ANODIZED

WINDOWS SHOWN HERE IS AN EXTERIOR WINDOW TO BE CLEAR ALUMINUM ANODIZED, 4 ½" DEEP, THERMALLY BROKEN AND 1" INSULATED GLASS. THESE ARE TO BE INSTALLED IN THE CURRENT OPENINGS AND THERE ARE TO BE 1- TYPE A, 2 TYPE B AND 1 TYPE C.

NOTE: CONTRACTOR IS TO PROVIDE A VERTICAL CONTROL JOINT AT EACH SIDE OF DOOR FRAME ON EACH SIDE OF WALL. JOINT IS TO EXTEND FROM TOP OF FRAME TO TOP OF GYP. BD.



TYPE "5" HOLLOW METAL PAINTED

TYPE "4" HOLLOW METAL PAINTED

TYPE "3" ALUMINUM CLEAR ANODIZED

TYPE "2" ALUMINUM CLEAR ANODIZED

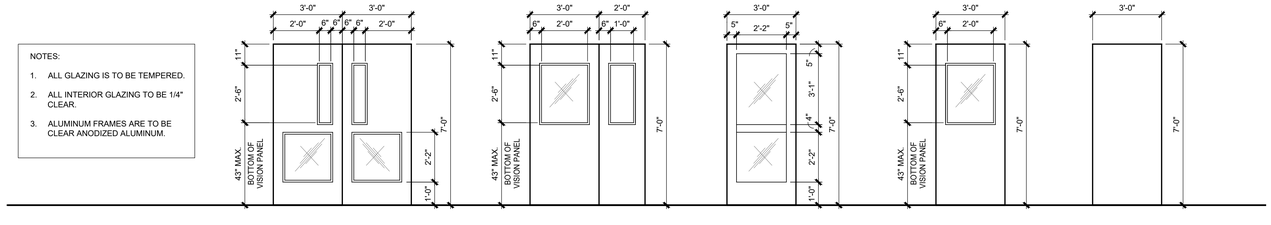
TYPE "1" HOLLOW METAL PAINTED

2 FRAME TYPES

SCALE: 3/8" = 1'-0"

NOTES:

1. ALL GLAZING IS TO BE TEMPERED.
2. ALL INTERIOR GLAZING TO BE 1/4" CLEAR.
3. ALUMINUM FRAMES ARE TO BE CLEAR ANODIZED ALUMINUM.



TYPE "E" HOLLOW METAL DOOR

TYPE "D" SOLID CORE WOOD DOOR

TYPE "C" ALUMINUM DOOR

TYPE "B" SOLID CORE WOOD DOOR

TYPE "A" SOLID CORE WOOD DOOR

1 DOOR TYPES

SCALE: 3/8" = 1'-0"

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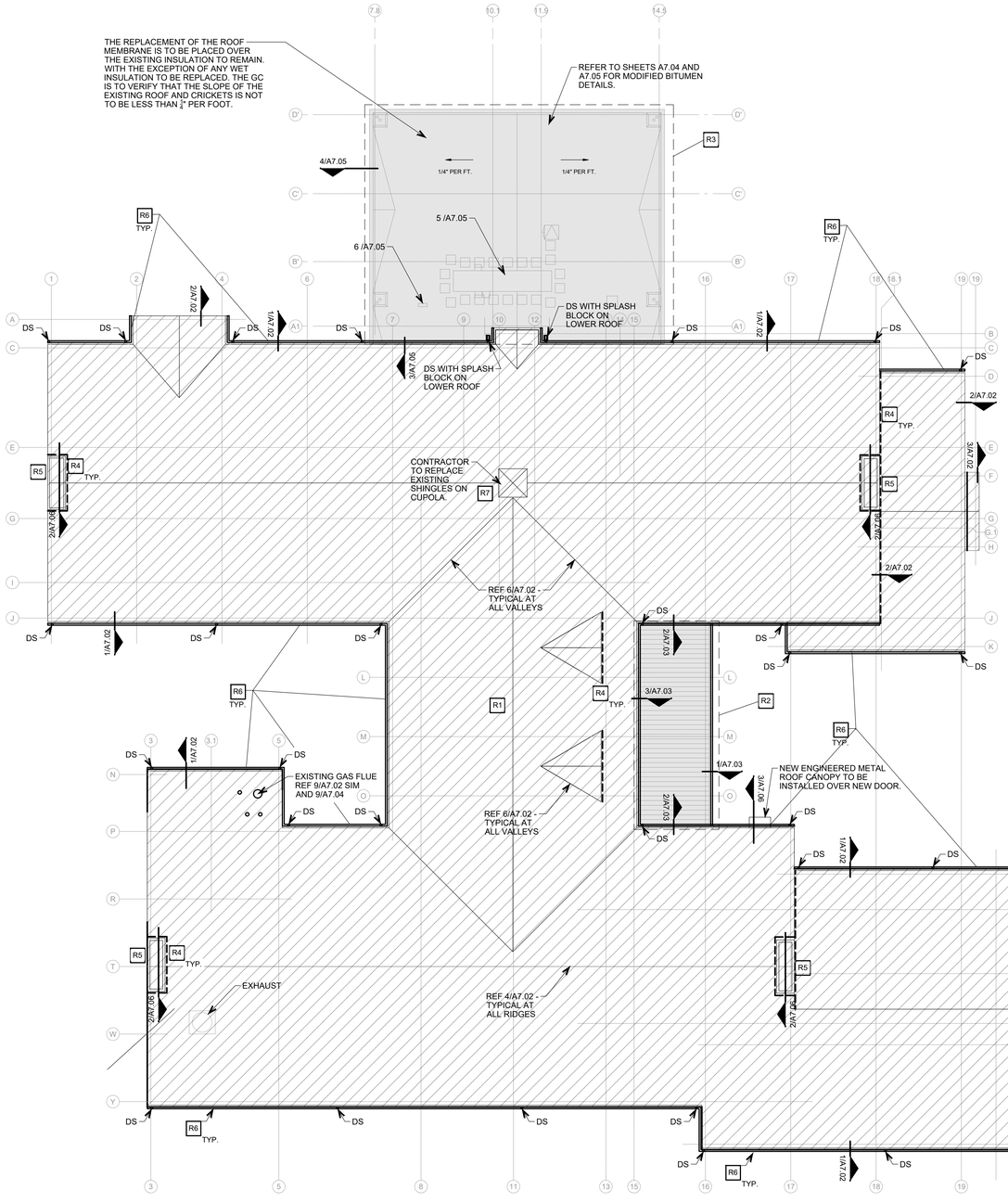
ZIP

DOOR & FRAME TYPES DOOR SCHEDULE

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

A6.02



ROOF PLAN LEGEND

ASPHALT SHINGLE ROOFING SYSTEM TO BE DEMOED, AND 50% PLYWOOD SHEATHING TO BE REPLACED WHERE SIGNS OF WATER DAMAGE ARE PRESENT.

ROOF AREA NOT IN BASE SCOPE.

ROOF PLAN GENERAL NOTES

A. NO ROOFING WORK TO BE PERFORMED OVER OCCUPIED SPACES, PHASING PLAN TO BE COORDINATED.

B. ALL ROOF AREAS WHETHER NEW OR EXISTING ARE TO BE PROTECTED AT ALL TIMES. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES INCURRED. PHOTOGRAPH OR VIDEO EXISTING ROOF AREAS PRIOR TO ROOF WORK COMMENCING. WARRANTY AT EXISTING ROOF AREAS IS TO BE MAINTAINED.

C. INSTALL CRICKETS ON HIGH SIDE OF ALL NEW EQUIPMENT CURBS AND BETWEEN THRU WALL SCUPPERS. CRICKETS TO BE FORMED WITH 1/2" PER FOOT TAPERED POLYISOCYANTE INSULATION. NOT ALL CRICKETS ARE SHOWN FOR CLARITY.

D. PROVIDE MIN. 3000 PSI CONCRETE SPLASH BLOCKS (PRECAST) AT ALL DOWNSPOUTS THAT TERMINATE ONTO A ROOF OR ONTO THE GROUND. DOWNSPOUTS THAT TERMINATE OVER WALKS OR PAVING DO NOT REQUIRE A SPLASH BLOCK.

E. CLEAN, PRIME AND PAINT ANY NEW AND EXISTING GAS PIPING. INSTALL ONE COAT OF PRIMER AND TWO COATS OF RUST INHIBITOR PAINT. COLOR: YELLOW.

F. ALL SIGHT EXPOSED ROOFING RELATED SHEET METAL VISIBLE FROM GROUND TO BE FORMED OUT OF PRE-FINISHED SHEET METAL. ALL NON-SIGHT EXPOSED ROOFING RELATED SHEET METAL, NOT VISIBLE FROM GROUND TO BE FORMED OUT OF GALVANIZED SHEET METAL.

G. INSTALL WALKWAY PADS AROUND ALL ROOFTOP EQUIPMENT, AT ROOF ACCESS HATCH AND AT TOP AND BOTTOM OF ALL ROOF LADDERS.

H. PIPING/CONDUIT SUPPORTS AND PROTECTION PADS TO BE PROVIDED, WHEN REQUIRED, AT 8'-0" ON CENTER IN LINEAR DIRECTION AND AT 2'-0" AT CHANGE IN DIRECTION PER TYPICAL DETAIL IN A7 SERIES

I. SUPPORT ALL CONDENSATE LINES PER TYPICAL DETAIL IN A7 SERIES. REPAIR ANY BROKEN, LEAKING OR DETERIORATED LINES. LINES NOT SHOWN FOR CLARITY. CONDENSATE LINES NEED TO BE ADJUSTED TO PROVIDE PROPER DRAINAGE.

J. SUPPORT ALL GAS LINES PER TYPICAL DETAIL IN A 7 SERIES. ANY DISCONNECTION AND RECONNECTION OF GAS LINES WILL REQUIRE A CERTIFIED LEAK TEST AS REQUIRED BY THE LOCAL CODE. A LEAK TEST CERTIFICATION LETTER SHALL BE REQUIRED UPON COMPLETION OF THE PROJECT.

K. REFER TO SHEETS A7 SERIES SHEETS FOR ROOF DETAILS. ALL ROOF DETAILS AND KEYS FOR ROOF DETAILS ARE KEYED BY A SINGLE NUMBER ON THE PLANS AND ARE SEQUENTIALLY LAID OUT ON THE SHEETS.

L. PROTECT EXISTING SECURITY CAMERAS AND ASSOCIATED SUPPORTS.

M. INSTALL METAL COPING AND TRIM AS PER DETAILS ON A7 SERIES SHEETS.

N. THE ROOF DRAWINGS SHOW GENERAL INTENT OF ROOF SLOPES TO DRAINS. THE CONTRACTOR IS RESPONSIBLE FOR DEFINING THE FINAL SOLUTION THAT MEETS THE REQUIREMENTS OF THE ROOF MANUFACTURERS BASED ON THE LOCATIONS OF THE SCUPPERS.

O. ALL CONDUIT AND PIPING SHALL PENETRATE ROOF THRU APPROPRIATE MEANS TO COMPLY WITH THE WARRANTY. PENETRATIONS OF THE SIDES OF ROOF CURBS WILL NOT BE ALLOWED.

P. REFER MEP DRAWINGS FOR REMOVAL AND RECONNECTION DETAILS FOR THE ROOF EQUIPMENT.

Q. REFER TO ROOF SYSTEM DESCRIPTIONS BELOW.

R. CONTRACTOR IS TO INCLUDE, UNDER THE SHINGLE ROOFING AND STANDING SEAM ROOFING, A 50% REPLACEMENT OF THE EXISTING PLYWOOD ROOF DECKING. ANY ADJUSTMENTS TO BE PERFORMED VIA APPROVAL IN THE FIELD .

KEY ROOF PLAN NOTES

R1 REPLACE EXISTING ASPHALT COMPOSITE SHINGLE ROOF WITH ALL NEW SYSTEM. INSTALL ALL NEW FLASHING, AND WATER PROOFING. PARTIALLY REPLACE PLYWOOD SHEATHING AS REQUIRED (50% FOR BIDDING PURPOSES).

R2 IN THIS AREA REPLACE STANDING SEAM METAL ROOFING AND WINDOWS ABOVE THE HIGH POINT OF THE ROOF. THIS PROCESS WOULD ALSO INCLUDE INSTALLATION OF MEMBRANES BELOW THE STANDING SEAM AND REPLACEMENT OF ANY PLYWOOD DECKING REMOVED DURING THE DEMOLITION PHASE DUE TO DAMAGE OR ROT.
ADD ALT #1 NOT IN BASE SCOPE.

R3 IN THIS AREA REPLACE MODIFIED BITUMEN ROOFING SYSTEM. THIS PROCESS WOULD ALSO INCLUDE REPLACING ANY RIGID INSULATION REMOVED DURING THE DEMOLITION PHASE OR INSTALLATION OF TAPERED INSULATION TO PROPERLY MOVE WATER TO THE ROOF DRAIN SUMPS.
ADD ALT #2 NOT IN BASE SCOPE.

R4 INSTALL NEW ROOF FLASHING. REFER TO A7.02. ALL NEW FLASHING IS TO MATCH THE CURRENT GREEN COLOR.

R5 PAINT EXISTING LOUVERS AND INSTALL NEW SEALANT. FINISH TO MATCH EXISTING INCLUDING GREEN COLOR. GC TO IS TO PROPERLY PREP EXISTING LOUVERS BEFORE PAINTING.

R6 REPLACE EXISTING GUTTERS AND DOWNSPOUTS. ALL DOWNSPOUTS TO TERMINATE IN A NEW CAST IRON BOOT TIED IN TO THE EXISTING STORM DRAIN PIPE WITH A RUBBER BOOT; THE EXCEPTION IS WHERE A DOWNSPOUT IS ABOVE THE ROOF. NEW GUTTERS AND DOWNSPOUTS TO MATCH THE CURRENT GREEN COLOR.

R7 EXISTING CUPOLA IS TO HAVE SHIGLES REPLACED AND TO BE REPAINTED. MATCH CURRENT COLOR / COORDINATE WITH NEW DOWNSPOUTS AND TRIM.

1 OVERALL ROOF PLAN

SCALE: 1/16" = 1'-0"

0 8 16 32

SCALE: 1/16" = 1'-0"

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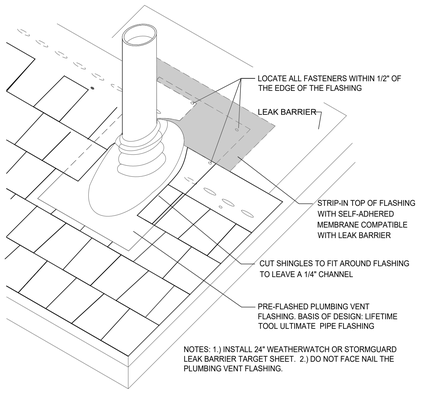
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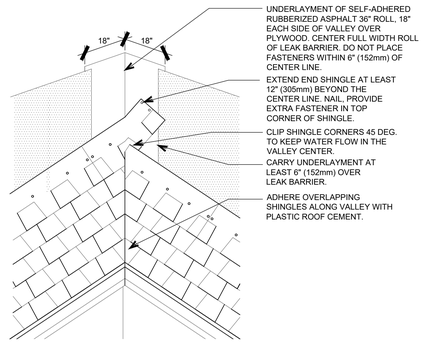
OVERALL ROOF PLAN

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
03.25.26	BID SET	KH

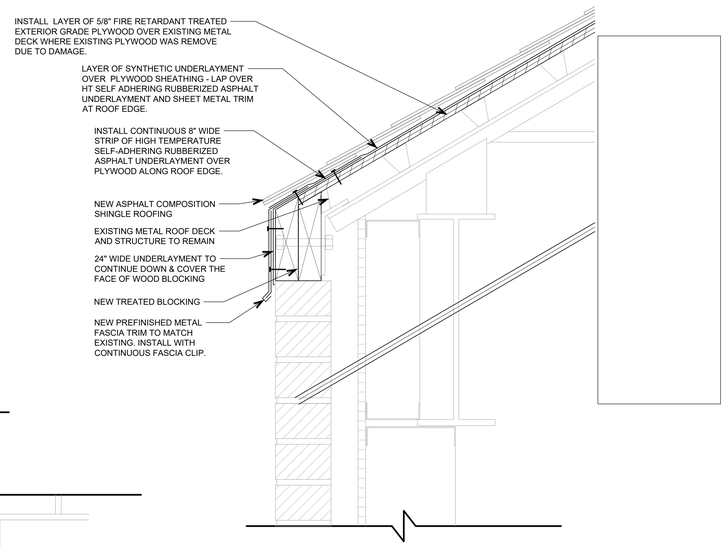
A7.01





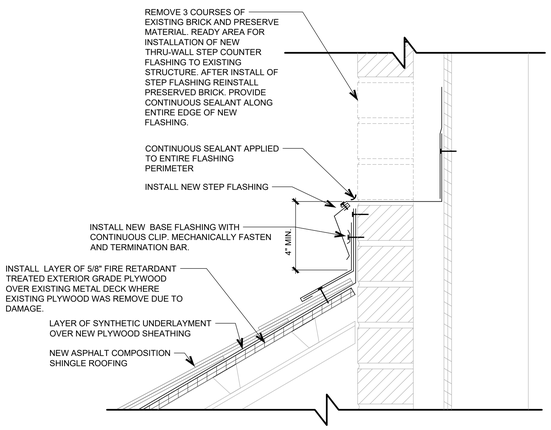
6 ROOF DETAIL - VALLEY

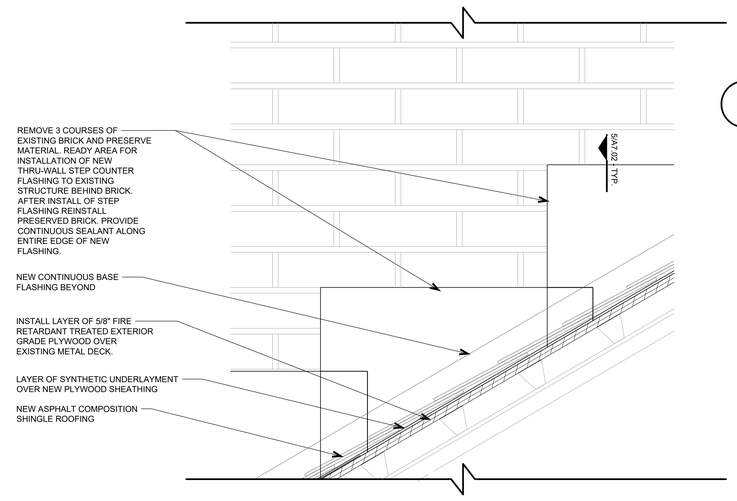
SCALE: NOTE TO SCALE



9 ROOF DETAIL - VENT FLASHING

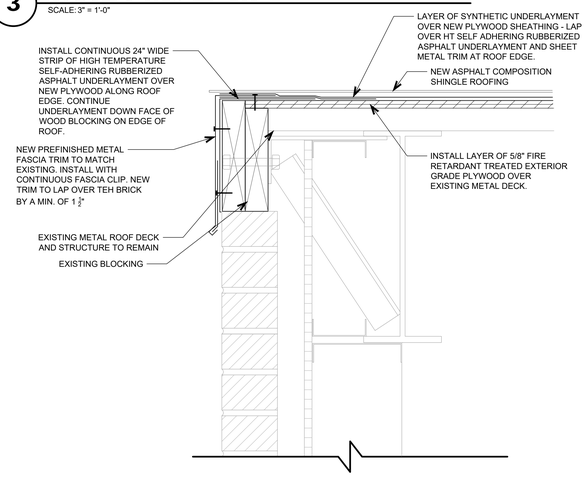
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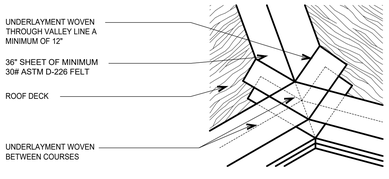
3 ROOF DETAIL - EAVE

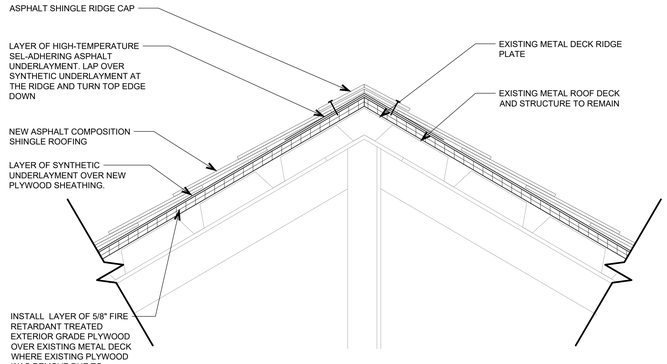
SCALE: 3" = 1'-0"



8 ROOF DETAIL - FELT LAYOUT

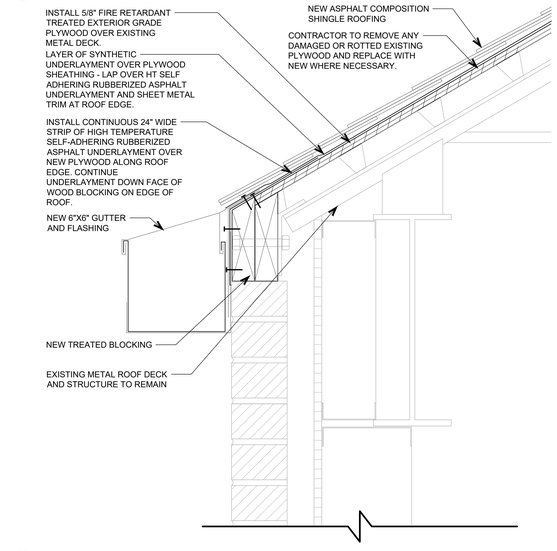
SCALE: NOT TO SCALE





2 ROOF DETAIL - RAKE

SCALE: 3" = 1'-0"



7 ROOF DETAIL - VALLEY

SCALE: NOT TO SCALE

4 ROOF DETAIL - RIDGE

SCALE: 3" = 1'-0"

1 ROOF DETAIL - EAVE / GUTTER

SCALE: 3" = 1'-0"

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ROOF DETAILS

JOB NO. 25016

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A7.02

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STATE OF TEXAS

03.25.2026

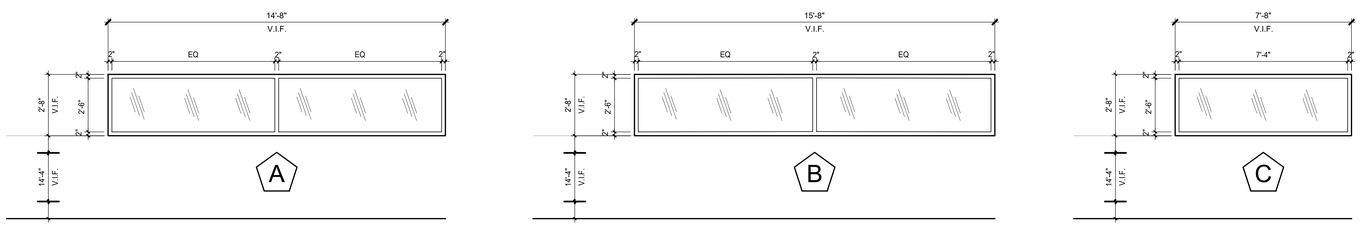
GENERAL NOTES:
FOR ALTERNATES: CONTRACTOR IS TO ASSUME 50% OF PLYWOOD DECK WILL NEED TO BE REPLACED. ADJUSTMENTS WILL BE MADE ON UNIT PRICED ADDITIONS OR REDUCTIONS ON REPLACEMENTS.

NOTES:
DETAILS SHOWN FOR **ADD ALT #1**

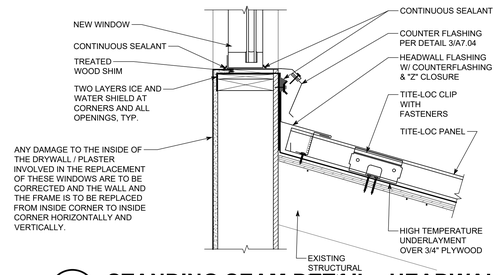
ALL WOOD BLOCKING TO BE FIRE RETARDANT TREATED

EVERYTHING ON THIS SHEET IS TO BE INCLUDED IN ALTERNATE 1

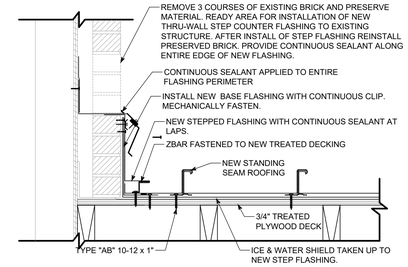
WINDOWS SHOWN HERE ARE REPLACEMENT WINDOWS ABOVE THE STANDING SEAM ROOFING BELOW THE SHINGLE ROOF ABOVE. THE REPLACEMENT WINDOWS ARE TO BE CLEAR ALUMINUM ANODIZED, 4 ½" DEEP, THERMALLY BROKEN AND 1" INSULATED GLASS. THESE ARE TO BE INSTALLED IN THE CURRENT OPENINGS AND THERE ARE TO BE 1- TYPE A, 2 TYPE B AND 1 TYPE C.



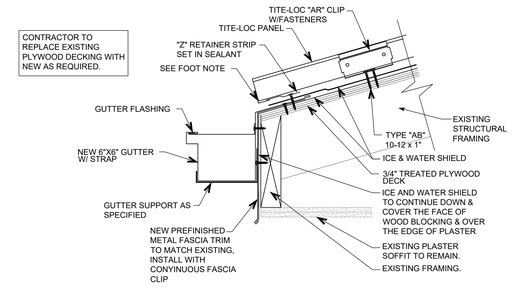
4 WINDOW TYPES FOR ALTERNATE 1
SCALE: 3/8" = 1'



3 STANDING SEAM DETAIL - HEADWALL
SCALE: 1 1/2" = 1'



2 STANDING SEAM DETAIL - SIDEWALL
SCALE: 1 1/2" = 1'



1 STANDING SEAM DETAIL - GUTTER
SCALE: 1 1/2" = 1'

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ROOF DETAILS - STANDING SEAM

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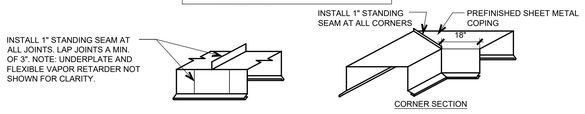
A7.03

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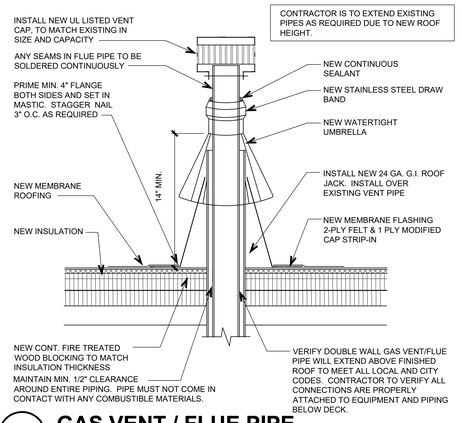
03.25.2026

NOTE: INSTALL FLEXIBLE VAPOR RETARDER UNDER CORNERS AND JOINTS MIN. 24" EACH WAY.



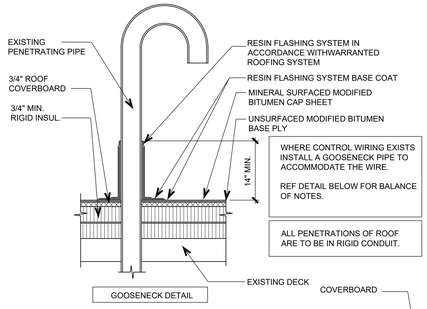
10 STANDARD COPING REQUIREMENTS

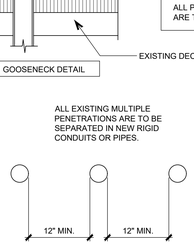
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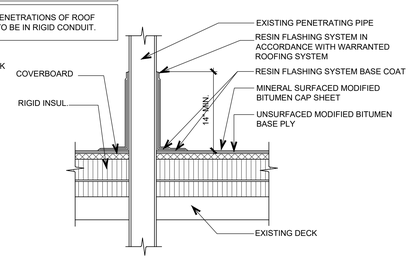


9 GAS VENT / FLUE PIPE

SCALE:NOT TO SCALE





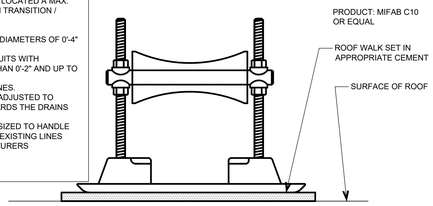


6 PIPE(S) & ANGLE PENETRATION FLASHING

SCALE:NOT TO SCALE

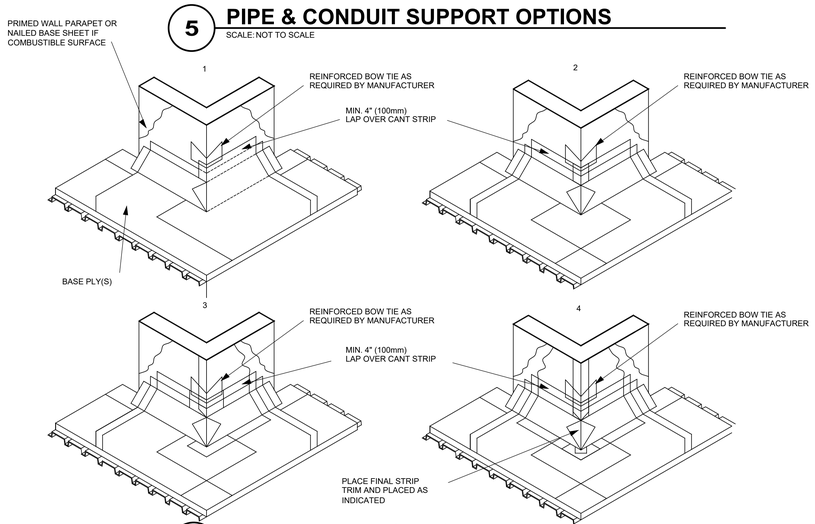
NOTES

1.) PIPE SUPPORTS SHALL BE LOCATED A MAX. 8'-0" O.C. AND 2'-0"AT EACH TRANSITION / CHANGE IN DIRECTION.
2.) NOT USED.
3.) USE FOR GAS LINES WITH DIAMETERS OF 0'-4" AND SMALLER.
4.) USE FOR ELECTRIC CONDUITS WITH DIAMETERS OF LARGER THAN 0'-2" AND UP TO 0'-4" IN DIAMETER.
5.) USE FOR CONDENSATE LINES.
6.) ALL SUPPORTS SHALL BE ADJUSTED TO PROVIDE DRAINAGE TOWARDS THE DRAINS (AWAY FROM UNITS).
7.) ALL SUPPORTS SHALL BE SIZED TO HANDLE THE SIZE AND WEIGHT OF EXISTING LINES BASED ON THE MANUFACTURERS RECOMMENDATIONS



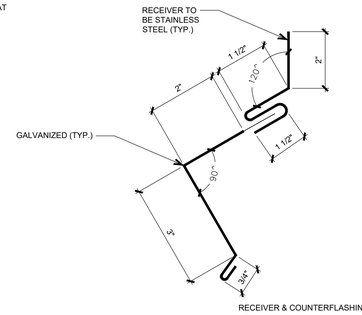
5 PIPE & CONDUIT SUPPORT OPTIONS

SCALE:NOT TO SCALE

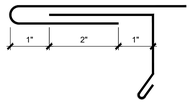


4 CORNER LAP JOINTS

SCALE:NOT TO SCALE



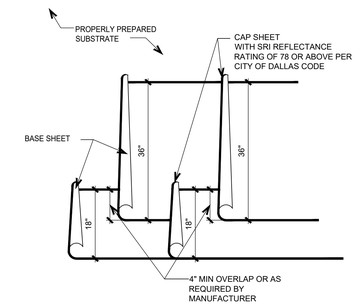
RECEIVER & COUNTERFLASHING DETAIL



EXPANSION JOINT CLIP DETAIL

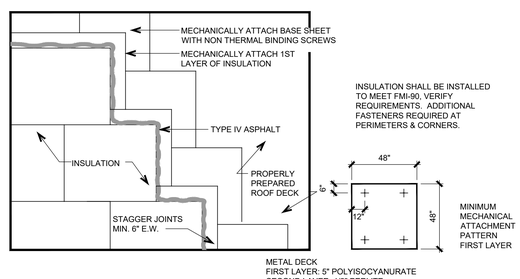
3 STANDARD SHEET METAL ENGAGEMENT DETAILS

SCALE:NOT TO SCALE



2 MEMBRANE ROOFING

SCALE:NOT TO SCALE



1 INSULATION ATTACHMENT

SCALE:NOT TO SCALE

NOTES:
DETAILS SHOWN FOR **ADD ALT #2**

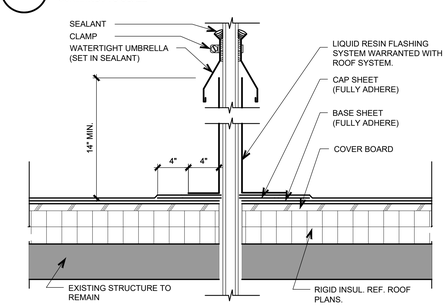
ALL WOOD BLOCKING TO BE FIRE RETARDANT TREATED

ALL EXPOSED FASTENERES WITH RUBBER WASHERS ARE TO BE ANCHORED AT 8" O.C.

ALL TERMINATION BARS TO BE ANCHORED AT 6" O.C. WITH 3 COURSE FLASHING. REQUIRED AT ALL CURBS AND PARAPET WALL FLASHINGS.

8 PLUMBING VENT FLASHING

SCALE:NOT TO SCALE

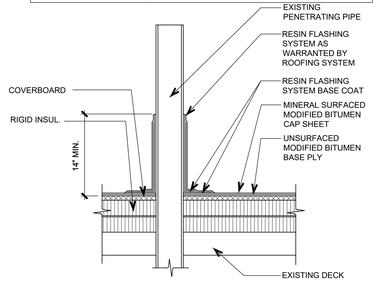


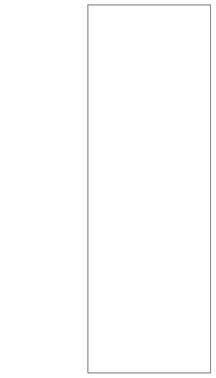
NOTES:
1. PLASTIC CEMENT AND PRIMER ARE REQUIRED WHERE MASTIC AND PRIMER ARE INDICATED.
2. THE CARPENTRY SHOWN DEPICTS SHOP FABRICATION AND JOB-SITE ASSEMBLY. THESE COMPONENTS SHOULD BE DESIGNED/FABRICATED/INSTALLED ACCORDING TO GENERALLY ACCEPTED INDUSTRY PRACTICES, STANDARDS AND APPROVALS.
3. DISSIMILAR METAL TYPES SUBJECT TO ELECTROLYTIC REACTION SHOULD BE PHYSICALLY SEPARATED.
4. REQUIREMENTS AND RECOMMENDATION DETAILED IN SPECIFICATIONS SHALL APPLY IN ADDITION TO THE ABOVE DRAWING.
5. ROOF SYSTEM TO HAVE (R- VALUE) EQUAL OR GREATER THAN (R-25) PER SPECS & ROOF ASSEMBLY PLANS

7 PIPE FLASHING

SCALE:NOT TO SCALE

CONTRACTOR IS TO EXTEND EXISTING PIPES AS REQUIRED DUE TO NEW ROOF HEIGHT. ANY CONNECTION IS TO BE COVERED WITH RESIN FLASHING AND INSTALLED IN ACCORDANCE WITH ROOFING SYSTEM REQUIREMENTS. EXTERIOR OF PIPE MUST BE SMOOTH, NO OUTSIDE COUPLINGS.





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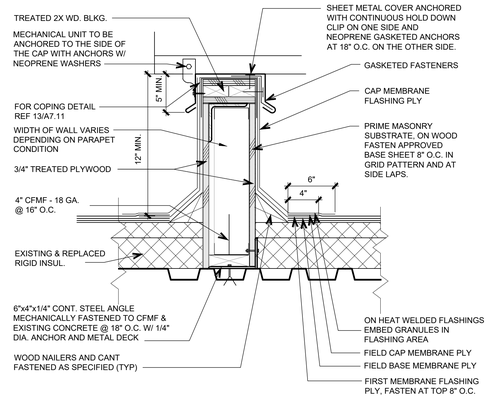
ROOF DETAILS - MOD. BIT.

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
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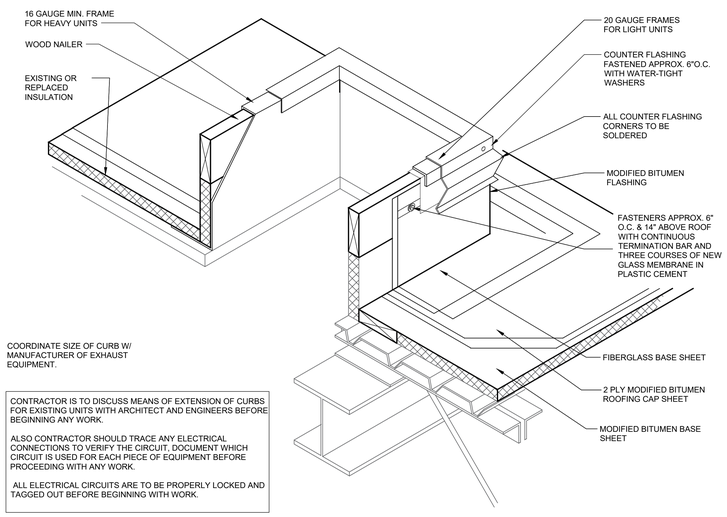
EVERYTHING ON THIS SHEET IS TO BE INCLUDED IN ALTERNATE 2

A7.04



6 MECHANICAL RAIL CURB DETAIL

SCALE: NOT TO SCALE



COORDINATE SIZE OF CURB W/ MANUFACTURER OF EXHAUST EQUIPMENT.

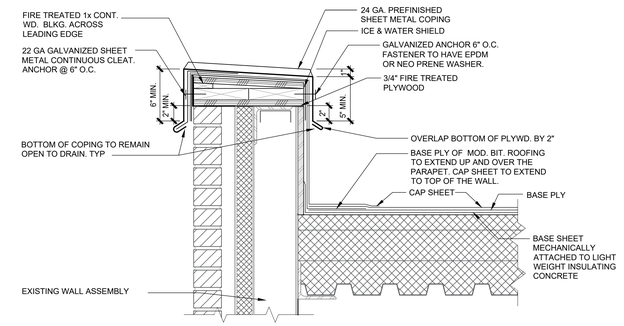
CONTRACTOR IS TO DISCUSS MEANS OF EXTENSION OF CURBS FOR EXISTING UNITS WITH ARCHITECT AND ENGINEERS BEFORE BEGINNING ANY WORK.

ALSO CONTRACTOR SHOULD TRACE ANY ELECTRICAL CONNECTIONS TO VERIFY THE CIRCUIT, DOCUMENT WHICH CIRCUIT IS USED FOR EACH PIECE OF EQUIPMENT BEFORE PROCEEDING WITH ANY WORK.

ALL ELECTRICAL CIRCUITS ARE TO BE PROPERLY LOCKED AND TAGGED OUT BEFORE BEGINNING WITH WORK.

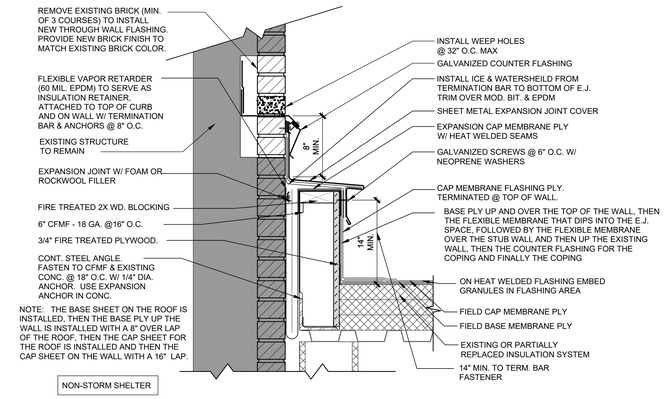
5 MECHANICAL UNIT CURB DETAIL

SCALE: NOT TO SCALE



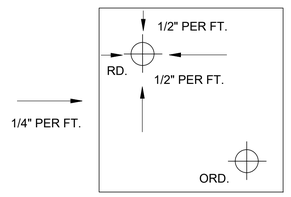
4 PARAPET CAP DETAIL

SCALE: NOT TO SCALE

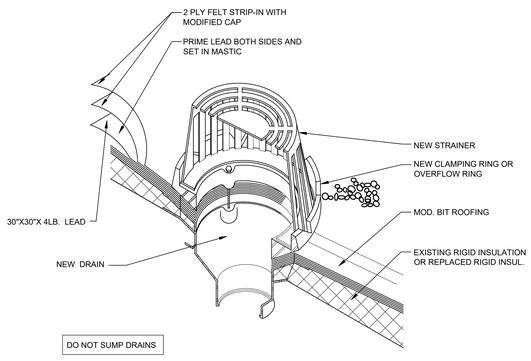


3 EJ DETAIL

SCALE: NOT TO SCALE



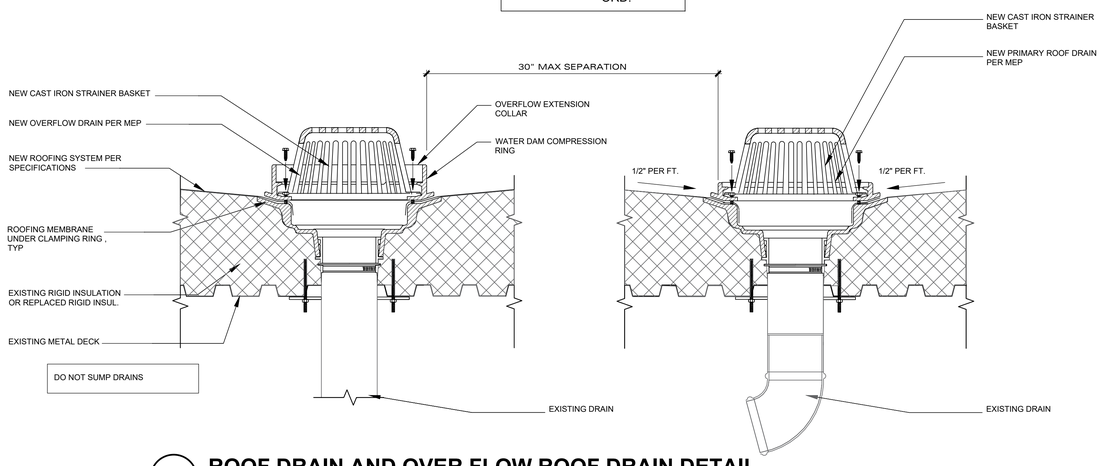
ROOF SYSTEM WITHIN 2'-0" OF DRAINS TO HAVE MIN. OF 1/2" : 12", ROOF SYSTEM GREATER THAN 2'-0" FROM DRAINS TO HAVE MIN. OF 1/4" : 12" SLOPE



DO NOT SUMP DRAINS

2 ROOF DRAIN DETAIL

SCALE: NOT TO SCALE



DO NOT SUMP DRAINS

1 ROOF DRAIN AND OVER FLOW ROOF DRAIN DETAIL

SCALE: NOT TO SCALE

EVERYTHING ON THIS SHEET IS TO BE INCLUDED IN ALTERNATE 2

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REGISTERED ARCHITECT BRENT E. KLINE 70976 STATE OF TEXAS

03.25.2026

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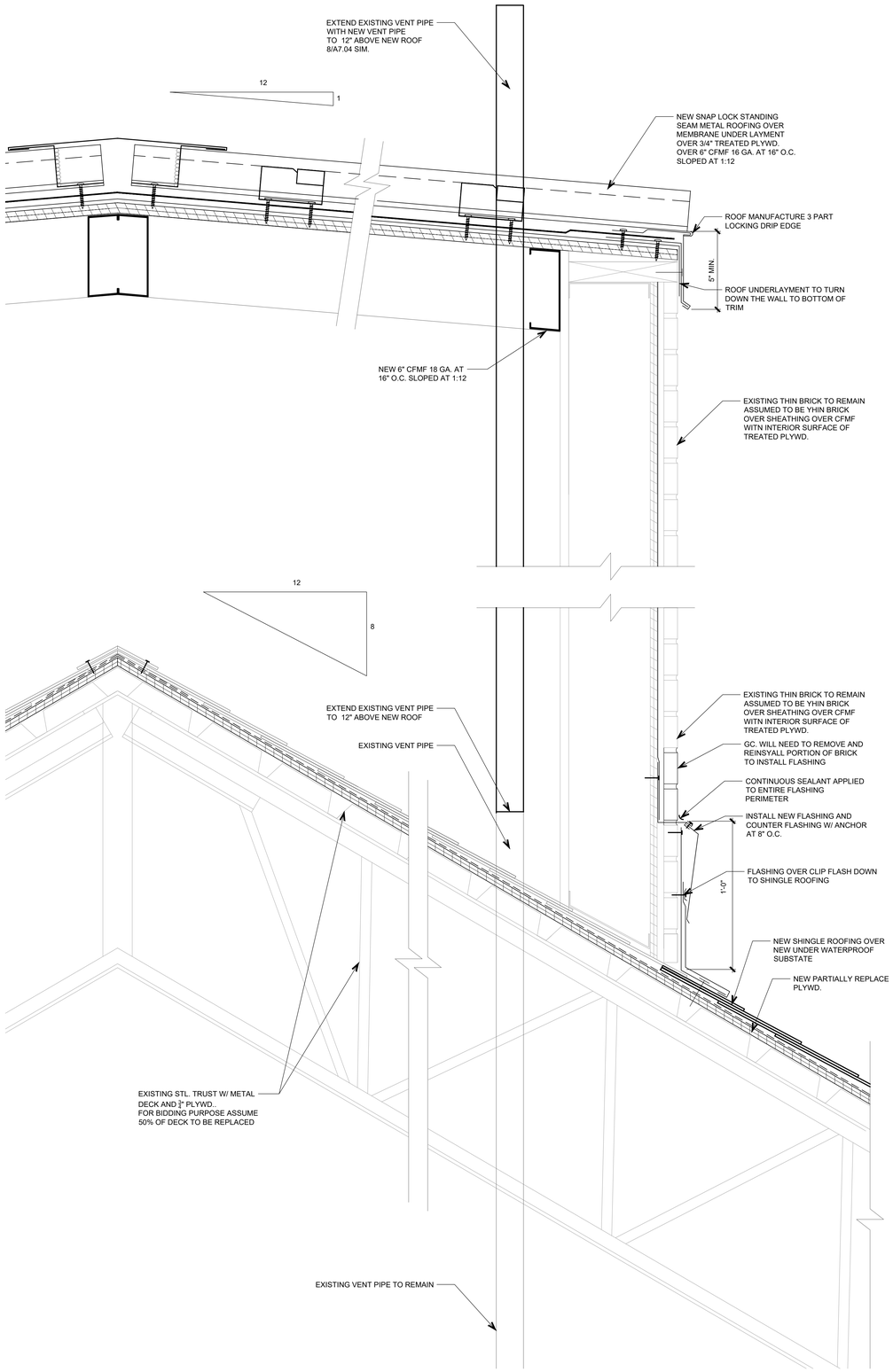
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ADDRESS
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CITY STATE
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ZIP

ROOF DETAILS - MOD. BIT.

JOB NO. **25016**

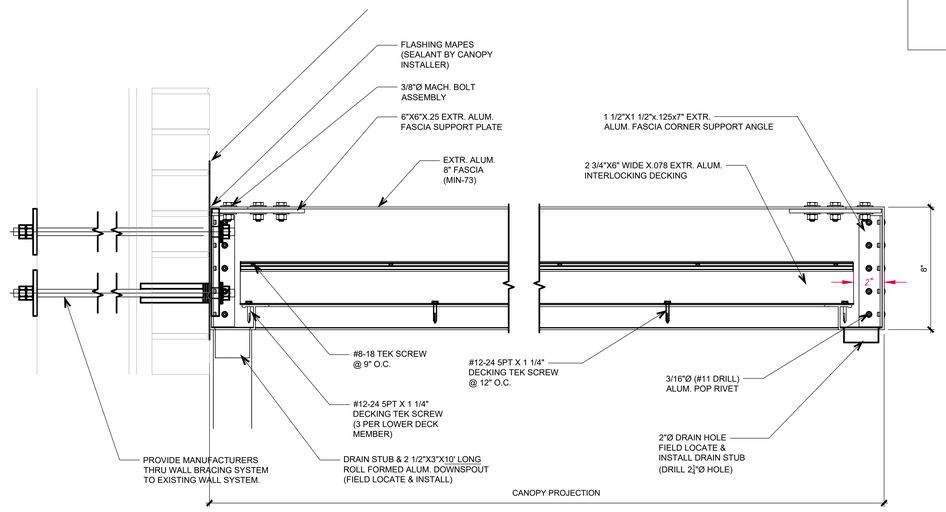
DATE	ISSUE FOR	DRAWN BY
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A7.05



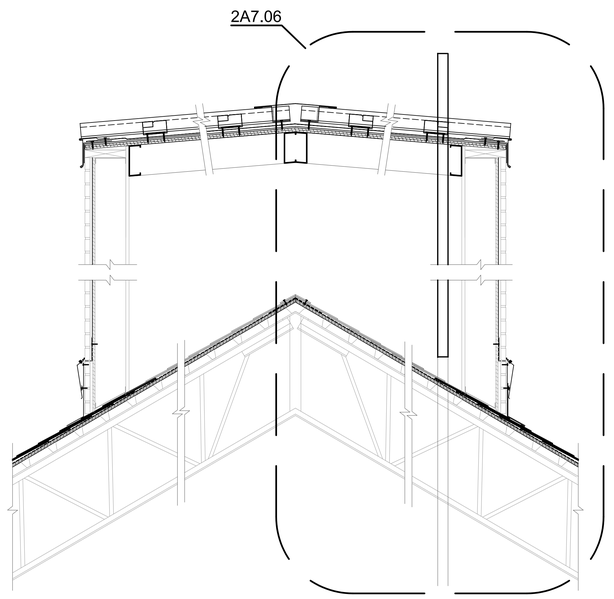
2 ROOF SECTION DETAIL

SCALE: 3" = 1'-0"



3 FLAT CANOPY SECTION DETAIL

SCALE: 3" = 1'-0"



1 ROOF SECTION

SCALE: 1" = 1'-0"

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ROOF DETAILS

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A7.06

GENERAL MILLWORK NOTES

A. REFER TO MEP DRAWINGS.

B. REFER TO A6 SERIES FOR FINISH MATERIAL SCHEDULE.

C. ALL EXPOSED INTERIOR SURFACES TO BE CLAD WITH WHITE MELAMINE

D. ALL EXPOSED EXTERIOR SURFACES TO BE CLAD AS SCHEDULED.

E. PROVIDE PULLS FOR ALL DRAWERS AND CABINET DOORS; ALL DOORS AND DRAWERS TO BE SOFT CLOSE; FINISH TO MATCH INTERIOR DOOR HARDWARE.

F. RECESSED ADJUSTABLE SHELF STANDARDS ARE TO BE USED FOR ALL ADJUSTABLE SHELVING. PIN OR PEG TYPE HARDWARE IS NOT TO BE USED.

G. GENERAL CONTRACTOR TO COORDINATE ALL EQUIPMENT WITH MILLWORK VENDOR.

H. PROVIDE DETAILED MILLWORK SHOP DRAWINGS FOR APPROVAL

I. FOR PLASTIC LAMINATE CLAD CABINETS, UTILIZE 3/4" A/B PLYWOOD.

J. FIELD VERIFY CONDITIONS AND EQUIPMENT CLEARANCES PRIOR TO CONSTRUCTION OF MILLWORK. BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION.

K. TOP OF PULL TO BE INSTALLED 2" FROM TOP OF DRAWER OR DOOR PANEL.

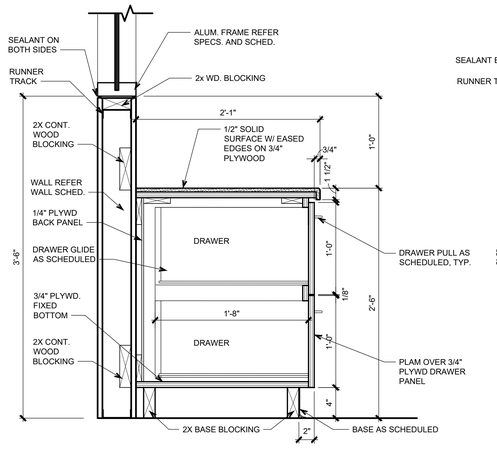
L. COUNTERTOP SUPPORTS ARE TO BE HIDDEN. BASIS OF DESIGN: CENTERLINE BRACKETS; PROVIDE SIZE AND WOOD BLOCKING AS RECOMMENDED BY MANUFACTURER.

M. UTILIZE 3/4" MEDEX IN PLACE OF 3/4" PLYWOOD IN ALL WET AREAS.

NOTE:
REFER INTERIOR ELEVATION FOR MILLWORK MATERIAL

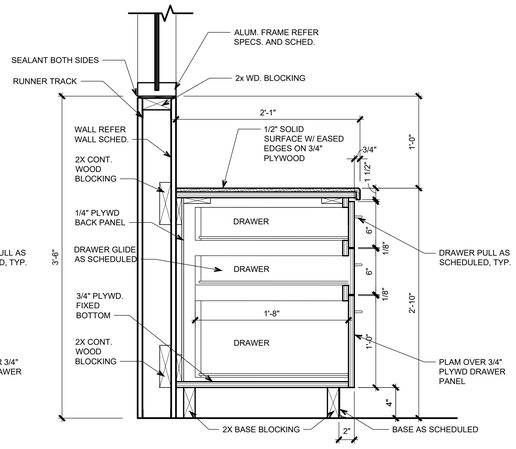
NOTE:
REFER INTERIOR ELEVATION FOR MILLWORK MATERIAL

NOTE:
GC TO COORDINATE GROMMET LOCATIONS WITH CONCEALED BRACKET LOCATIONS.



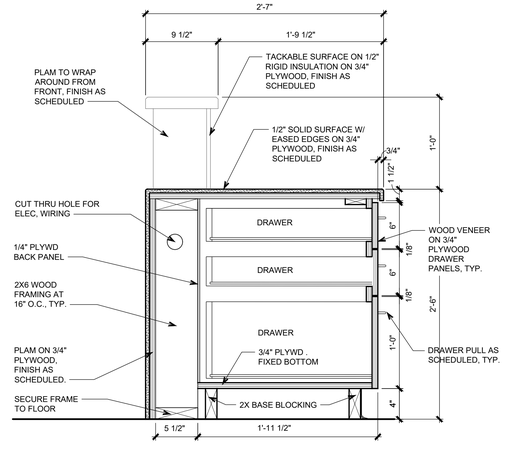
6 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



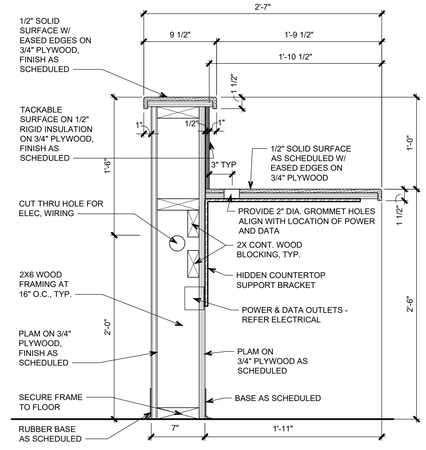
5 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



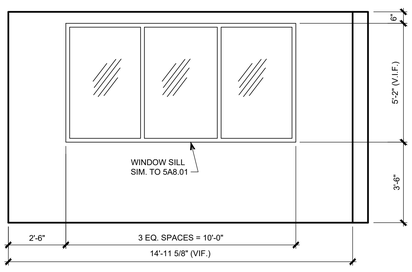
4 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



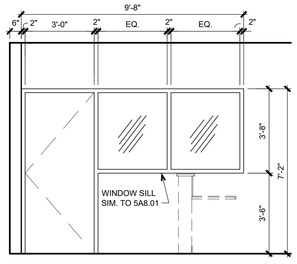
3 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



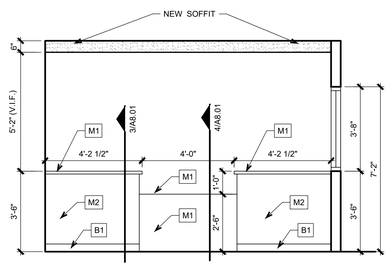
8 LOBBY AREA OUTSIDE CONF. RM. 135

SCALE: 3/8" = 1'-0"



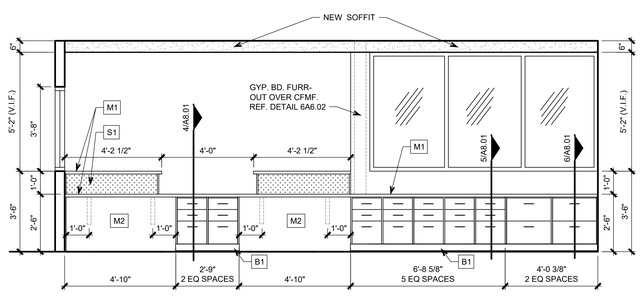
7 CORRIDOR OUTSIDE RM. 111A

SCALE: 3/8" = 1'-0"



2 RECEPTION

SCALE: 3/8" = 1'-0"



1 RECEPTION

SCALE: 3/8" = 1'-0"

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INTERIOR ELEVATIONS & MILLWORK DETAILS

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ABBREVIATIONS

A

ABV	ABOVE
AC	ALTERNATING CURRENT
A/C	AIR CONDITIONER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AG	ABOVE GRADE AND GFI
AHAP	AS HIGH AS POSSIBLE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AMB	AMBIENT TEMPERATURE (°F)
AMP	AMPERE
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AVG	AVERAGE

B

B	BOILER
B.G.	BELOW GRADE
BMS	BUILDING MANAGEMENT SYSTEM
BRD	BAROMETRIC RELIEF DAMPER
BTU	BRITISH THERMAL UNIT
BLDG	BUILDING

C

CD	CONSTRUCTION DOCUMENTS
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH.	CHILLER
CHEM.	CHEMICAL
CHP	CHILLED WATER PUMP
CKT.	CIRCUIT
CLG	CEILING
CMPR.	COMPRESSOR
CT	COOLING TOWER
CWP	CONDENSER WATER PUMP
CU	CONDENSING UNIT
CW	COLD WATER

D

DB	DRY BULB
DEFL	DEFLECTION
°F	DEGREES FAHRENHEIT
DET	DETAIL
DD	DESIGN DEVELOPMENT
DIA	DIAMETER
DISC	DISCONNECT SWITCH
DIM	DIMENSION
DWG	DRAWING
DC	DIRECT CURRENT
DCO	DOUBLE CLEAN OUT

E

EA	EXHAUST AIR
EDB	ENTERING DRY BULB
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
ELEC.	ELECTRICAL
ELEV	ELEVATION
EMCS.	ENERGY MGMT. CONTROL SYSTEM
E.S.P.	EXTERNAL STATIC PRESS. (IN. W.G.)
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EXH.	EXHAUST
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXISTING

F

FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATION PANEL
FACP	FIRE ALARM CONTROL PANEL
F/A	FREE AREA OPENING (SQ. FT.)
FCU	FAN COIL UNIT
FHP	FRACTIONAL HORSE POWER
FLA	FULL LOAD AMPERIES
FLR.	FLOOR
FPI	COIL FINS PER INCH.
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT.	FOOT OR FEET
FD	FLOOR DRAIN

G

GFI	GROUND FAULT INTERRUPTER
GPM	GALLONS PER MINUTE
GCO	GRADE CLEAN OUT

H

HD.	HEAD
HOA	HAND/OFF/AUTO. MOTOR STARTER
HP	HORSE POWER
HPU	HEAT PUMP UNIT
HR.	HOUR(S)
HT.	HEIGHT
HTG.	HEATING
HTR.	HEATER
HVAC	HEAT,VENT AND AIR CONDITIONING
HWP	HOT WATER PUMP
HW	HOT WATER
HWR	HOT WATER RETURN
HX	HEAT EXCHANGER
HZ.	FREQUENCY (HERTZ)

I

ID	INSIDE DIAMETER OR DIMENSION
IN.	INCHES

K

KW	KILOWATT
KWH	KILOWATT HOUR

L

L	LAVATORY
LTG	LIGHTING
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE

M

MAX.	MAXIMUM
MCA	MINIMUM CURRENT AMPS.
MOCP	MAX. OVER CURRENT PROTECTION
MBH	1000 BTU PER HOUR
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MVD	MANUAL VOLUME DAMPER
MS	MOP SINK

N

N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NK	NECK SIZE
N/O	NORMALLY OPEN
NTS	NOT TO SCALE

O

OA	OUTSIDE AIR
OAR	OWNERS AUTHORIZED REPRESENTATIVE
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
ORIG.	ORIGINAL

P

P.D.	PRESSURE DROP (FT)
PH.	PHASE
PMB.	POWERED MIXING BOX
PLBG.	PLUMBING
PNL.	PANEL
PRESS.	PRESSURE

R

RA	RETURN AIR
RAG	RETURN AIR GRILLE
RAD.	RADIUS
REF.	REFERENCE
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT

S

S/S	SINGLE SPEED MOTOR
S/S/S	START/STOP/STATUS
SA	SUPPLY AIR
SAG	SUPPLY AIR GRILLE
SDC	STAND ALONE DIGITAL CONTROLLER
SEER	SEASON ENERGY EFFICIENCY RATIO
SENS.	SENSIBLE
SP	STATIC PRESSURE
SQ.	SQUARE
STR.	MOTOR STARTER
SS	SANITARY SEWER
S	SINK

T

TEMP.	TEMPERATURE
T.S.P.	TOTAL STATIC PRESSURE (IN. W.G.)
TYP	TYPICAL

U

UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE

V

V	VENT
VAV	VARIABLE AIR VALVE
VEL.	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF

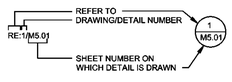
W

W/	WITH
W/O	WITHOUT
W.G.	WATER GUAGE
WB	WET BULB
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WC	WATER CLOSET
W	WASTE

X

XFMR.	TRANSFORMER

DRAWING/DETAIL REFERENCE KEY



MECHANICAL SYMBOLS

ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

90° ELBOW DOWN

90° ELBOW UP

OFFSET TO CHANGE ELEVATION (AT 30° WHEN POSSIBLE ARROW SLOPES DN.)

ROUND RADIUS ELBOW

45° ELBOW

90° STRAIGHT TEE

90° CONICAL TEE

45° BRANCH

45° CONICAL TEE

SIZE TRANSITION

SHAPE TRANSITION

ROUND FLEXIBLE DUCT

90° ELBOW DOWN W/ TURNING VANES (U.N.O.)

90° ELBOW UP W/ TURNING VANES (U.N.O.)

TEE WITH SPLITTER & TURNING VANES IN VERTICAL

OFFSET TO CHANGE ELEVATION (AT 30° WHEN POSSIBLE ARROW SLOPES DN.)

RECTANGULAR RADIUS ELBOW

RECTANGULAR ELBOW WITH TURNING VANES

SPLIT BRANCH TAKE-OFF WITH SQUARE ELBOW AND SPLITTER DAMPER.

SPLIT BRANCH TAKE-OFF WITH RADIUS ELBOW AND SPLITTER DAMPER.

BRANCH TAKE-OFF WITHOUT AIR BALANCING DAMPER.

BRANCH TAKE-OFF WITH AIR BALANCING DAMPER. (SCOOP DAMPER)

TEE WITH SPLITTER DAMPER

SPIN-IN TAP WITH DAMPER

SQUARE NECK CLG. DIFFUSER 4-WAY DIRECTIONAL THROW UNLESS INDICATED OTHERWISE.

SQUARE NECK CLG. DIFFUSER 4-WAY DIRECTIONAL THROW UNLESS INDICATED OTHERWISE.

SIDEWALL SUPPLY GRILLE OR REGISTER WITH O.B.D.

SUPPLY DUCT RISER

RETURN, EXHAUST OR OUTSIDE AIR DUCT RISER.

CEILING RETURN AIR GRILLE OR REGISTER

CEILING EXHAUST AIR GRILLE OR REGISTER

CEILING SUPPLY AIR DIFFUSER

DOOR GRILLE

VOLUME DAMPER

FIRE DAMPER (F)

MOTORIZED DAMPER (M)

GRAVITY BACKDRAFT DAMPER (BDD)

AUTO SMOKE DAMPER (S)

DUCT MOUNTED SMOKE DETECTOR (SD)

SMOKE/FIRE DAMPERS (CLASS II MIN.) (SFD)

THERMOSTAT (T)

TEMPERATURE SENSOR (S)

HUMIDITY SENSOR (H)

CARBON MONOXIDE SENSOR (CA)

CARBON DIOXIDE SENSOR (CD)

NITROGEN DIOXIDE SENSOR (ND)

MECHANICAL FITTINGS AND VALVES

CHILLED WATER SUPPLY/RETURN	CHSR
PRODUCTION CHILLED WATER SUPPLY/RETURN	PCHSR
HOT WATER SUPPLY/RETURN	HWSR
CONDENSER WATER SUPPLY/RETURN	CSR
REFRIGERANT SUCTION AND LIQUID LINES	RSRL
CONDENSATE DRAIN LINE	CD
LOW PRESSURE STEAM CONDENSATE	
MEDIUM PRESSURE STEAM CONDENSATE	
HIGH PRESSURE STEAM CONDENSATE	
LOW PRESSURE STEAM SUPPLY (0 TO 15 PSIG)	
MEDIUM PRESSURE STEAM SUPPLY (15 TO 100 PSIG)	
HIGH PRESSURE STEAM (ABOVE 100 PSIG)	
FLOAT AND THERM. TRAP	
BUCKET STEAM TRAP	B
GATE VALVE	
BALANCING VALVE	
CHECK VALVE	
OS & Y VALVE	
GLOBE VALVE	
BUTTERFLY VALVE	
BALL VALVE	
SOLENOID VALVE	
PRESSURE REDUCING VALVE	
PRESSURE RELIEF VALVE	
CONTROL, 2 WAY VALVE	
CONTROL, 3 WAY VALVE	
STRAINER & BLOW OFF VALVE	
PRESSURE GAUGE & COCK	
UNION OR COMPANION FLANGES	OR
PLUG VALVE	
THERMOMETER	
PRESSURE & TEMPERATURE TAP (PETES PLUG)	
FLOW METER	F
ANCHOR (PIPE)	
EXPANSION JOINT	
MANUAL AIR VENT	
AUTOMATIC AIR VENT	
HOSE END DRAIN	
HOSE BIBB	
THERMOMETER & WELL	
TEMPERATURE SENSOR	TS
FLOW SWITCH	F
PRESSURE SENSOR	

MECHANICAL LEGEND (NEW, EXISTING, DEMO)

NEW DUCT	
EXISTING DUCT TO REMAIN	XXwXX(E)
EXISTING DUCT TO BE REMOVED	
CONNECT TO EXISTING	
EXISTING TO REMAIN	(E)
RELOCATED	(RE)

GENERAL NOTES

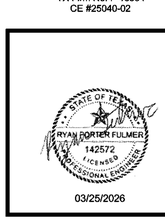
1. COORDINATE ALL WORK INDICATED WITH ALL OTHER TRADES INVOLVED IN THIS PROJECT, AS NECESSARY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY DIMENSIONS, WORKING CLEARANCES, AND THE WORKING ARRANGEMENT OF EQUIPMENT, AS WELL AS THE LOCATIONS OF THE EQUIPMENT, AND ASSOCIATED DUCTWORK, PIPING, ETC., AND TO COORDINATE THE INSTALLATION ACCORDINGLY.
2. HVAC WORK SHALL INCLUDE FURNISHING (EXCEPT WHERE NOTED), INSTALLING, AND TESTING ALL HVAC SYSTEMS FOR A COMPLETE, FULLY OPERATIONAL, AND CODE COMPLIANT INSTALLATION INCLUDING, BUT NOT LIMITED TO:
   - 2.1. MANUFACTURER'S STANDARD ROOF CURBS OR AS SPECIFIED,
   - 2.2. ROOF OPENINGS,
   - 2.3. COPPER CONDENSATE DRAINS WITH MINIMUM 3" TRAP DEPTH (U.N.O.) AND PROPER SLOPE, GAS PIPING SUPPORTED EVERY 10 FEET, AND OTHER PIPING AND FITTINGS,
   - 2.4. DUCTWORK, TURNING VANES, SPLITTERS, DAMPERS, SPIN-INS, ETC. IN ACCORDANCE WITH SMACNA STANDARDS FOR LOCATION, THICKNESS, AND CONSTRUCTION,
   - 2.5. DIFFUSERS, SUPPLY AND RETURN GRILLES
   - 2.6. LINE SETS, AUXILIARY DRAIN PANS AND PIPING, AND FRESH AIR INTAKE FOR EACH AIR HANDLER IN SPLIT SYSTEMS (IF USED),
   - 2.7. CONTROLS, SENSORS, AND LOW VOLTAGE WIRING (E.G. 8-STRAND, 18 AWG. NON-SHIELDED CABLE),
   - 2.8. SHIMS AND MISCELLANEOUS STEEL FOR LEVEL INSTALLATION AND PROPER CONDENSATE DRAINAGE,
   - 2.9. SMOKE DETECTORS IN RETURN AIR DUCTS OR SUPPLY DUCTS AS REQUIRED BY LOCAL CODE OFFICIALS,
   - 2.10. WEATHER-PROOF ROOF AND WALL PENETRATIONS FOR COPPER PIPING, MAKE-UP AIR, PADS.
3. UNLESS OTHERWISE SPECIFIED, ALL REQUIRED CUTTING AND PATCHING OF FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE BUILDING IS TO BE INCLUDED IN THE SCOPE. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION UPON COMPLETION. ALL PENETRATIONS OF WALLS, CEILINGS, OR FLOORS SHALL BE CORE-DRILLED, SLEEVED, AND SEALED TO COMPLY WITH RESPECTIVE BUILDING CODE REQUIREMENTS. ALL PENETRATIONS THROUGH FIRE RATED WALL SHALL COMPLY WITH UL LISTED SLEEVE ASSEMBLY REQUIREMENTS.
4. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
5. ALL CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR.
6. DUCTWORK IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF DUCTWORK TO AVOID OBSTRUCTIONS. EXACT LOCATIONS ARE SUBJECT TO APPROVAL OF ARCHITECT. COORDINATION WITH OTHER TRADES IS REQUIRED.
7. ALL DUCT SIZES SHOWN ARE INSIDE, FREE AREA DIMENSIONS REQUIRED FOR PROPER AIRFLOW. UNLESS SPECIFICALLY INDICATED, ALL DUCT TRANSITIONS SHALL BE SMOOTH AND GRADUAL WITH MAXIMUM DIVERGENT ANGLE OF 15°.
8. SUPPORT ALL DUCTWORK FROM BUILDING STRUCTURE AND/OR FRAMING IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OR SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL FRAMING. INSTALL DUCTWORK AS HIGH AND TIGHT TO THE STRUCTURE AS POSSIBLE.
9. PROVIDE VOLUME DAMPER AT CONNECTION OF DIFFUSER BRANCH INCLUDING THOSE CONNECTING TO THE BOTTOM OF MAIN TRUNK.
10. PROVIDE TURNING VANES IN ALL ELBOWS IN SUPPLY AIR DUCT.
11. ALL FLEXIBLE DUCTWORK SHALL BE STRETCHED AND SUSPENDED IN ACCORDANCE WITH LOCAL CODE. SUPPORT EVERY 2' WITH 2" WIDE GALVANIZED STEEL BANDS (MAX. SAG ½" BETWEEN SUPPORTS). MAX. LENGTH OF DUCT SHALL BE FIVE (5) FEET.
12. COVER ALL HVAC UNITS, ALL RELATED DISTRIBUTION EQUIPMENT AND ALL DUCT OPENINGS DURING STORAGE AT CONSTRUCTION SITE AND AT THE TIME OF ROUGH INSTALLATION UNTIL FINAL STARTUP TO PREVENT DIRT, DEBRIS, CONSTRUCTION DUST, AND MOISTURE FROM ENTERING.
13. DO NOT OPERATE A/C UNITS WITHOUT CONSTRUCTION FILTERS IN PLACE. REPLACE ALL FILTERS AFTER CONSTRUCTION AND BEFORE REQUESTING FINAL PAYMENT WITH MINIMUM MERV 8 FILTERS.
14. REMOVABLE ACCESS TILES AND/OR ACCESS DOORS ARE REQUIRED IN SUSPENDED CEILINGS, SHAFTS AND WALLS FOR ALL VOLUME DAMPERS, FIRE DAMPERS, AUTOMATIC DAMPERS AND ALL OTHER MECHANICAL EQUIPMENT AND DEVICES. HVAC CONTRACTOR TO FURNISH ACCESS LOCATION REQUIREMENTS TO GENERAL CONTRACTOR. ACCESS TILE IDENTIFICATION: PROVIDE BUTTONS, TABS, AND MARKERS TO IDENTIFY LOCATION OF CONCEALED DAMPERS AND EQUIPMENT.
15. PROVIDE THERMOSTATS AND REMOTE SENSORS FOR NEW COOLING AND HEATING EQUIPMENT. DO NOT INSTALL THERMOSTATS OR SENSORS CLOSE TO HEAT AND/OR STEAM PRODUCING APPLIANCES. COORDIANTE FINAL LOCATIONS WITH ARCHITECT/TENANT.
16. INSULATE SUPPLY GRILLES/DIFFUSERS IN THE PLENUM SIDE TO PREVENT CONDENSATION OR PROVIDE INSULATED SUPPLY GRILLES/DIFFUSERS.
17. PAINT ALL SUPPLY AND RETURN AIR DEVICES AS REQUIRED BY THE OWNER.
18. ALL DUCTWORK SHALL BE SEALED FOR SEAL CLASS B AND LEAK TESTED AT THE RATED PRESSURE.
19. TIE BACK, TO BAR JOISTS, ALL DIFFUSERS AS REQUIRED BY LOCAL GOVERNING CODES.
20. FIRE DAMPERS MUST BE INSTALLED AT ALL LOCATIONS WHERE DUCT PENETRATES A FIRE RATED WALL. PROVIDE SMOKE/FIRE DAMPERS FOR AN EGRESS. PROVIDE ACCESS DOORS AS REQUIRED. FIRE DAMPERS TO BE OF TYPE APPROVED BY THE AGENCIES HAVING JURISDICTION.
21. SEAL OPENINGS AROUND DUCTS AND PIPING THROUGH NON-RATED PARTITIONS, WALLS AND FLOORS (NOT IN SHAFTS) WITH MINERAL WOOL OR OTHER NONCOMBUSTIBLE MATERIAL.
22. PERFORM TESTING, ADJUSTING, AND BALANCING (T.A.B.) OF ALL AIR SYSTEMS. CONTRACTOR SHALL ALSO PERFORM T.A.B. OF ALL CHILLED OR CONDENSER WATER SYSTEMS (WHERE SHOWN OR SPECIFIED). USE A.A.B.C. OR N.E.B.B. CERTIFIED TECHNICIANS AND PROVIDE A WRITTEN REPORT OF RESULTS TO TENANT (AND LL IF APPLICABLE) PRIOR TO REQUEST FOR FINAL PAYMENT. THE TAB AGENCY SHALL SUBMIT TO THE OWNER (6) COPIES OF A WRITTEN REPORT WITHIN 10 DAYS AFTER THE INSPECTION IS COMPLETE.
23. DEVELOP AND MAINTAIN A SET OF RED-LINED "AS BUILT" DRAWINGS AT THE PROJECT CONSTRUCTION SITE AND MAKE AVAILABLE TO THE ARCHITECT/ENGINEER UPON REQUEST. RED-LINED DRAWINGS MUST BE KEPT CURRENT AND REFLECT ALL ACTUAL ASPECTS OF THE INSTALLATION THAT DEVIATE FROM RECORD DESIGN DRAWINGS. RED-LINED DRAWINGS SHALL INCLUDE ALL PUNCH-LIST ITEMS AND TESTING, AND SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AT THE COMPLETION OF THE PROJECT.
24. PROVIDE A RETURN AIR OPENING THROUGH ANY PARTITION EXTENDED TO ROOF DECK, SIZED AT ONE SQUARE FOOT PER 500 CFM.
25. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL CEILING DEVICE LOCATIONS.
26. COORDINATE THE INSTALLATION OF THE DUCTWORK WITH EXISTING STRUCTURE.
27. ALL ROOF PENETRATIONS SHALL BE INSTALLED AND FLASHED BY THE OWNER'S ROOFING CONTRACTOR.
28. MAINTAIN A MINIMUM OF 10 FEET BETWEEN OA INTAKE AND ANY EXHAUST DISCHARGE OR PLUMBING VENT.

THIRD PARTY COMMISSIONING

PROVIDE THIRD PARTY COMMISSIONING PER 2021 IECC. SUBMIT FORMS (CHECKLISTS / TEST PROCEDURES / REPORTS) TO ENGINEER FOR REVIEW PRIOR TO EXECUTION OF COMMISSIONING. SUBMIT FINAL REPORT TO OWNER.

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03/25/2026



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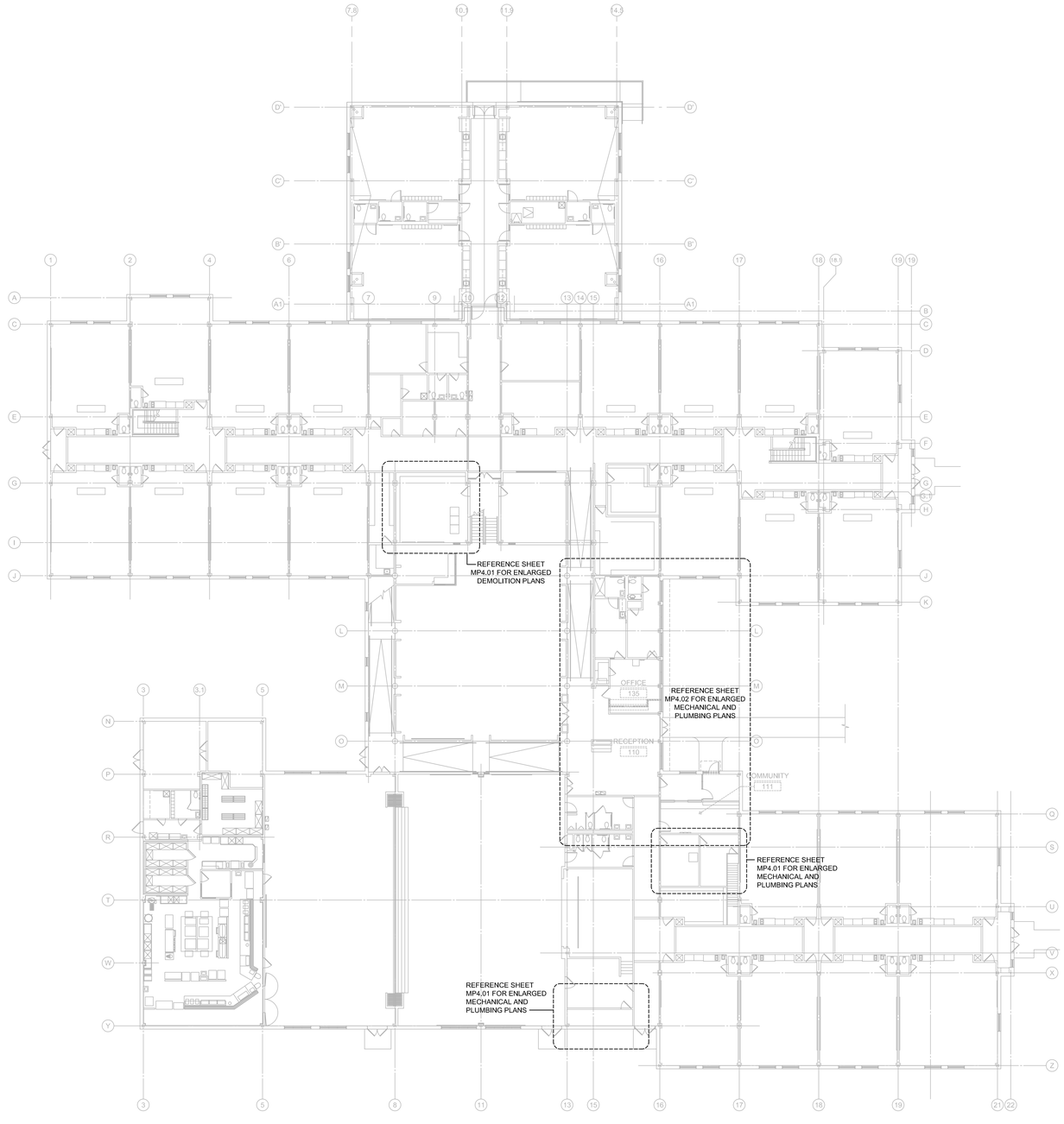
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MECHANICAL ABBREVIATIONS, LEGEND AND SYMBOLS

JOB NO. **25016**

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1 OVERALL FIRST FLOOR PLAN - MECHANICAL AND PLUMBING DEMO

SCALE: 1/16" = 1'-0"

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STATE OF TEXAS
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LICENSED PROFESSIONAL ENGINEER
03/25/2026

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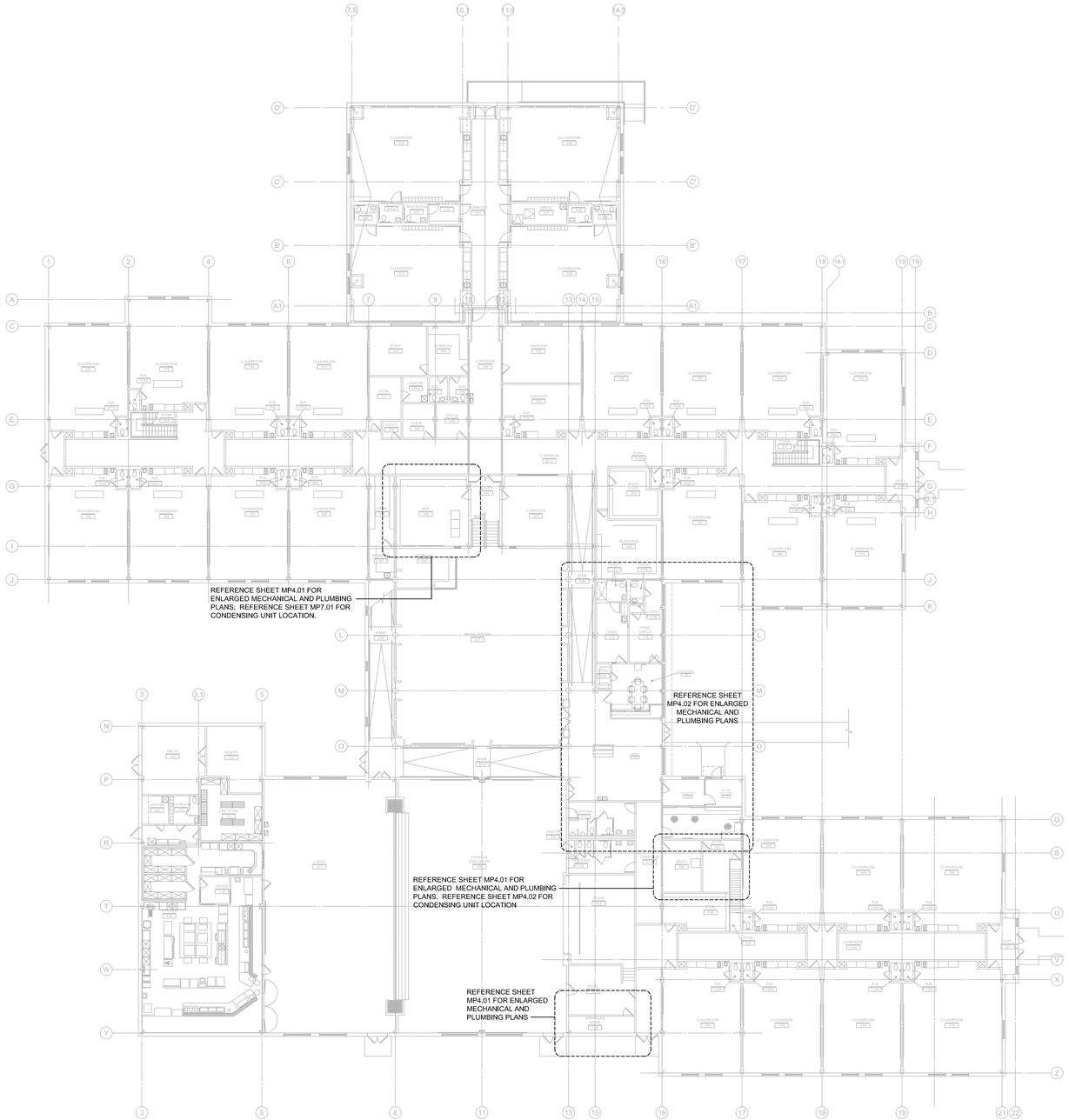
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OVERALL FIRST FLOOR PLAN - MECHANICAL AND PLUMBING DEMO

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1 OVERALL FIRST FLOOR PLAN - MECHANICAL AND PLUMBING

SCALE: 1/16" = 1'-0"

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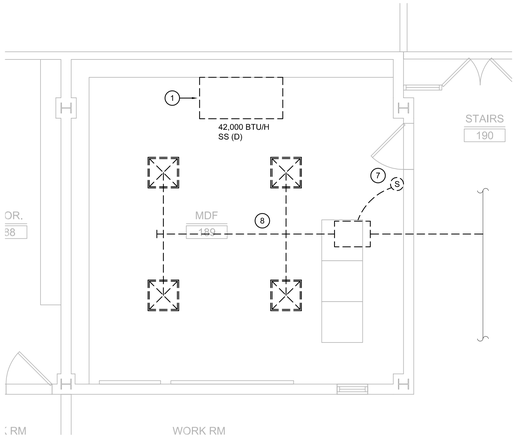
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OVERALL FIRST FLOOR PLAN - MECHANICAL AND PLUMBING

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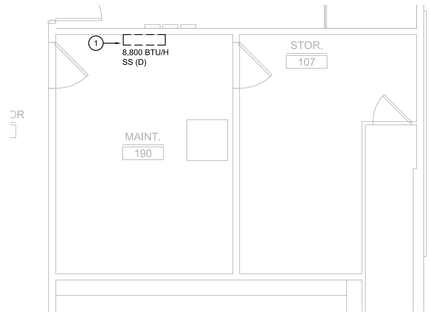
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MECHANICAL AND PLUMBING ENLARGED DEMO PLAN - 189 MDF

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



MECHANICAL AND PLUMBING ENLARGED DEMO PLAN - 190 MAINT.

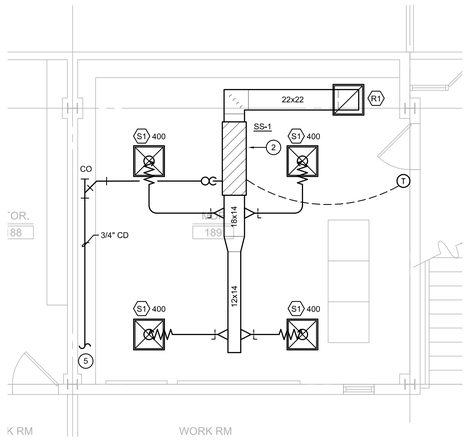
2 SCALE: 1/4" = 1'-0"

ALTERNATE #3 -

DEMOLISH EXISTING SPLIT SYSTEMS FOR MDF-189 AND IDF-190 AND INSTALL NEW

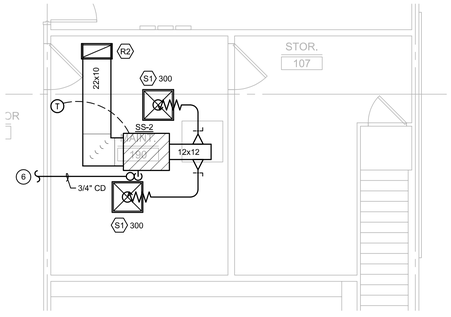
NOTES BY SYMBOL

1. CONTRACTOR SHALL FIELD-VERIFY THE LOCATION OF THE EXISTING CONDENSING UNIT TO BE DEMOLISHED.
2. REFERENCE SHEET M7.01 FOR CONDENSING UNIT LOCATION.
3. CONTRACTOR SHALL DEMOLISH EXISTING DCBF BACKFLOW PREVENTER AND ASSOCIATED PIPING. SEE DETAIL #7 ON THIS SHEET.
4. PROVIDE AND INSTALL NEW DOUBLE CHECK BACKFLOW PREVENTER TO MATCH EXISTING SIZE, TYPE, AND CONNECTIONS. CONTRACTOR SHALL FIELD-VERIFY ALL CONDITIONS AND COORDINATE INSTALLATION WITH OWNER. INSTALLATION SHALL COMPLY WITH LOCAL CODE REQUIREMENTS. SEE DETAIL #8 ON THIS SHEET.
5. ROUTE 3/4" CONDENSATE TO WORK ROOM 187 AND CONNECT TO LAVATORY TAILPIECE.
6. ROUTE 3/4" CONDENSATE TO GIRLS RESTROOM 112 AND CONNECT TO LAVATORY TAILPIECE.
7. DEMOLISH PNEUMATIC TEMP SENSOR. COORDINATE PATCH AND REPAIR OF WALL WITH GENERAL CONTRACTOR.
8. DEMOLISH EXISTING AIR DEVICES, DUCTWORK, VAV BOX, AND CONTROLS. PATCH AND REPAIR DUCT AND INSULATION AT MAIN.
9. DEMOLISH EXISTING 3" (CONTRACTOR TO VERIFY AND MATCH EXISTING PIPE SIZE IF IT IS NOT 3") DOMESTIC COLD WATER MAIN COMING UP FROM FLOOR AND PREPARE TO INSTALL NEW.
10. DEMOLISH EXISTING 3" DOUBLE CHECK BACKFLOW PREVENTOR, PRESSURE REDUCING VALVE, AND ASSOCIATED PIPING. CONTRACTOR TO NOTE THE EXISTING SIZES TO REPLACE WITH NEW DURING NEW CONSTRUCTION.
11. EXISTING PIPING DOWNSTREAM OF THE SHUT-OFF VALVES TO REMAIN AS IS. (TYP OF 6)
12. SHUT-OFF VALVE TO BE DEMOLISHED AND REPLACED WITH NEW SAME SIZED SHUT-OFF VALVE.
13. CONTRACTOR TO VERIFY EACH EXISTING DOMESTIC WATER BRANCH LINE SIZE. DEMOLISH ALL PIPING UP TO THE SHUT-OFF VALVES. DEMOLISH ALL EXISTING SHUT-OFF VALVES AND PREPARE TO REPLACE WITH NEW DURING NEW CONSTRUCTION PHASE. CONTRACTOR TO CHECK FOR ASBESTOS BEFORE DEMOLITION.
14. PROVIDE A NEW INSULATED 3" CW LINE (CONTRACTOR TO VERIFY AND MATCH EXISTING PIPE SIZE IF IT IS NOT 3") FROM THE FLOOR TO THE NEW DOUBLE CHECK BACKFLOW PREVENTOR.
15. NEW 3" DOUBLE CHECK BACKFLOW PREVENTOR, (CONTRACTOR TO VERIFY AND MATCH EXISTING DOUBLE CHECK BACKFLOW PREVENTOR SIZE IF IT IS NOT 3")
16. PROVIDE NEW PRESSURE REDUCING VALVE EQUAL IN SIZE TO THE PREVIOUSLY EXISTING PRESSURE REDUCING VALVE.
17. PROVIDE ALL NEW SHUT-OFF VALVES FOR EACH BRANCH LINE BASED ON PREVIOUSLY DISCOVERED WATER LINE SIZES. PROVIDE ALL NEW PIPING AND INSULATION FROM THE BACKFLOW PREVENTOR UP TO THE NEW SHUT-OFF VALVES.
18. DEMOLISH EXISTING AIR BLEED-OFF VALVE AND REPLACE IN KIND.
19. NEW AIR BLEED-OFF VALVE EQUAL IN SIZE TO WHAT WAS PREVIOUSLY EXISTING.



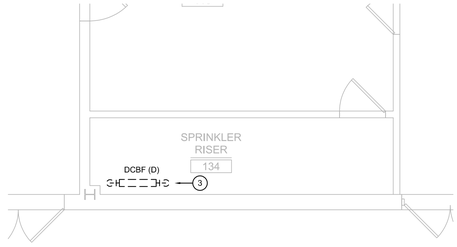
MECHANICAL AND PLUMBING ENLARGED PLAN - 189 MDF

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



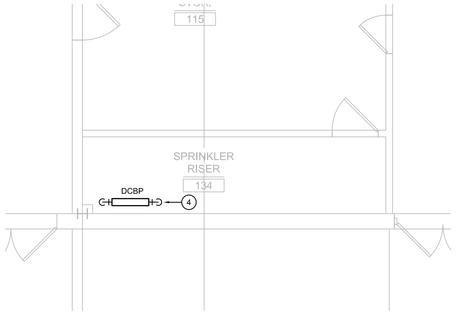
MECHANICAL AND PLUMBING ENLARGED PLAN - 190 MAINT.

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



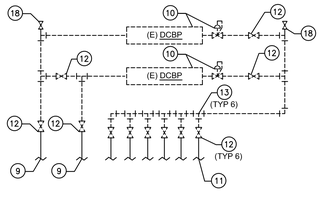
MECHANICAL AND PLUMBING ENLARGED DEMO PLAN - 134 RISER

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



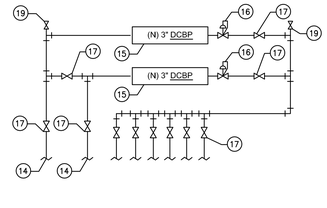
MECHANICAL AND PLUMBING ENLARGED PLAN - 134 RISER

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



ENLARGED BACKFLOW SECTION DEMO PLAN

7 SCALE: NTS



ENLARGED BACKFLOW SECTION PLUMBING PLAN

8 SCALE: NTS

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ENLARGED PLANS - MECHANICAL AND PLUMBING

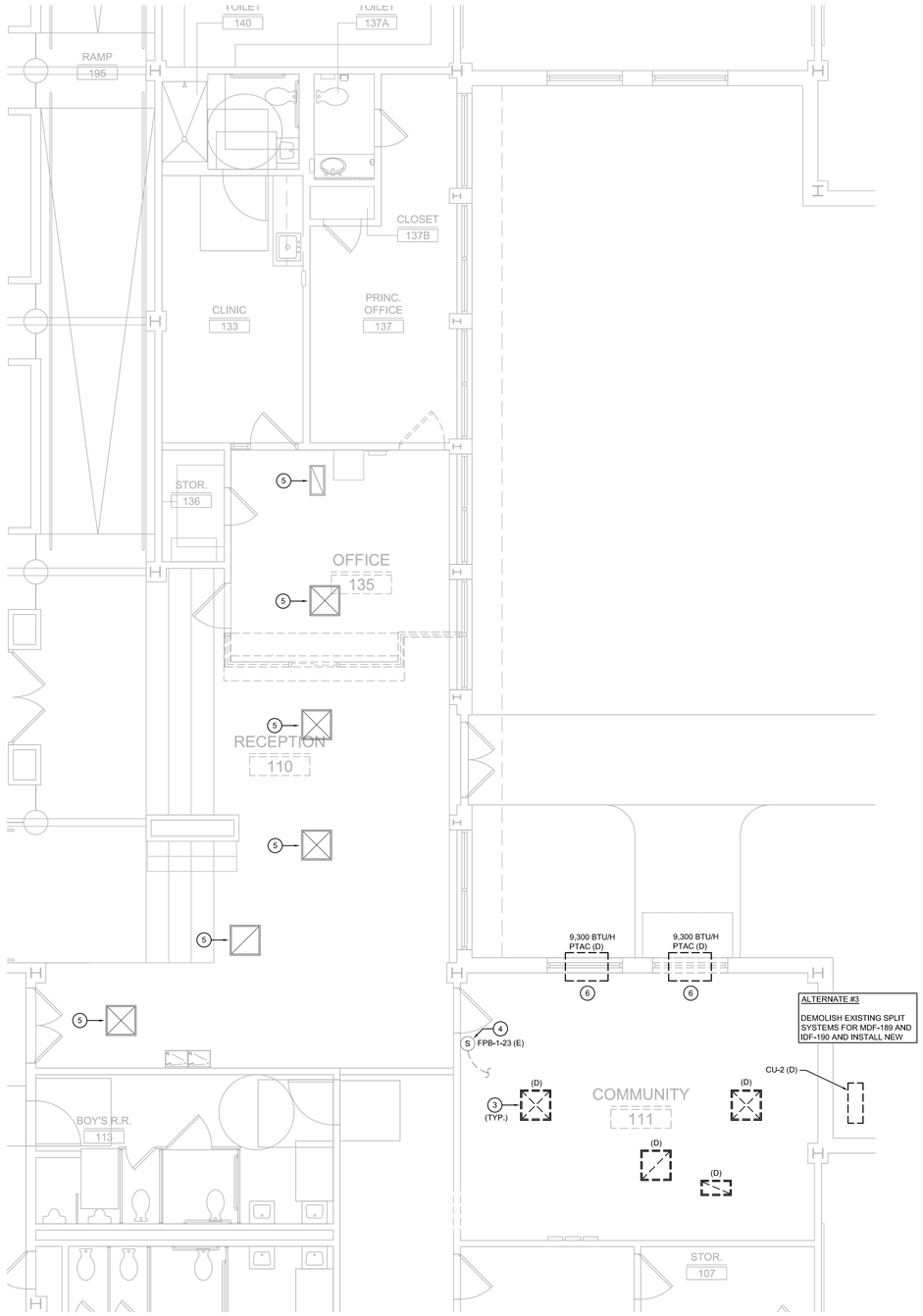
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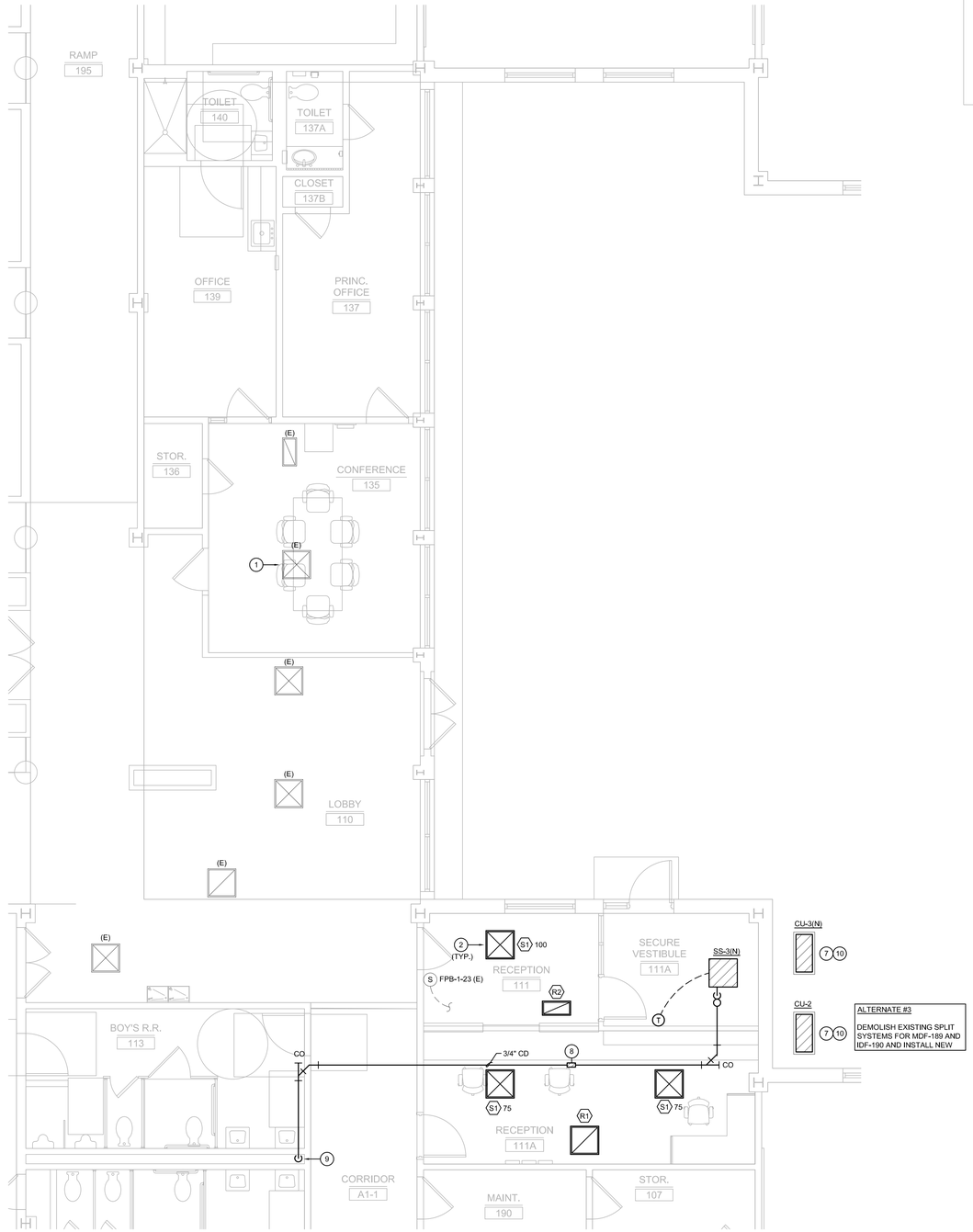
NOTES BY SYMBOL

1. REBALANCE EXISTING AIR DIFFUSER TO DELIVER 400 CFM BASED ON UPDATED OCCUPANCY LOAD REQUIREMENTS. VERIFY AIRFLOW AT TERMINAL DEVICE AND ADJUST AS REQUIRED.
2. CONNECT NEW AIR DEVICE AND FLEX DUCT TO EXISTING AS REQUIRED.
3. DEMOLISH EXISTING AIR DEVICES AND FLEX DUCT. PREPARE FOR CONNECTION OF NEW AIR DEVICES.
4. EXISTING DDC TEMPERATURE SENSOR FOR FPB-1-23 TO REMAIN.
5. EXISTING DIFFUSER TO REMAIN.
6. COORDINATE PATCH AND REPAIR OF WALL WITH ARCHITECT AND GENERAL CONTRACTOR.
7. MOUNT CONDENSING UNIT ON CONCRETE EQUIPMENT PAD. REFER TO DETAIL 5 ON SHEET MP5.01. COORDINATE PAD CONSTRUCTION WITH STRUCTURAL.
8. REMOTE CONDENSATE PUMP: 115V MAXI BLUE WITH RESERVOIR ABOVE ACCESSIBLE CEILING. PROVIDE LABEL ON CEILING TO IDENTIFY PUMP LOCATION.
9. ROUTE 3/4" CONDENSATE DOWN AND CONNECT TO LAVATORY TAILPIECE.
10. COORDINATE SECURITY CAGE REQUIREMENTS WITH ARCHITECT AND DISD.



1 **MECHANICAL AND PLUMBING ENLARGED DEMO PLAN**

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



1 **MECHANICAL AND PLUMBING ENLARGED PLAN**

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

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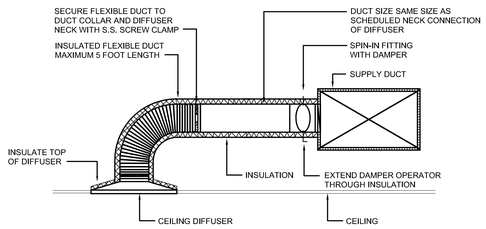
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ENLARGED PLANS - MECHANICAL AND PLUMBING

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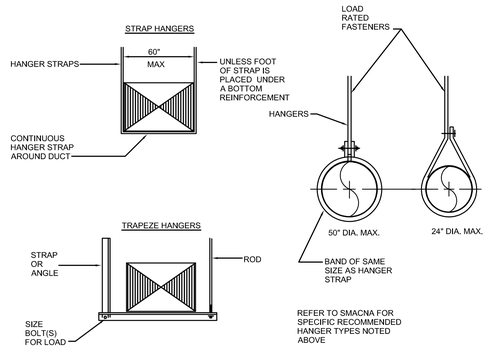
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1 DIFFUSER CONNECTION DETAIL

SCALE: NO SCALE

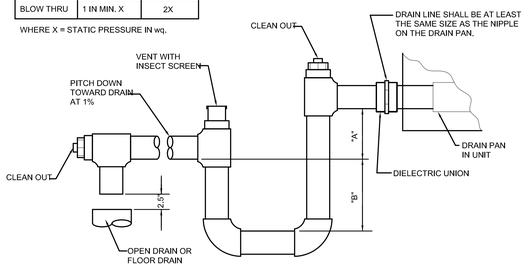


2 DUCT HANGER DETAILS

SCALE: NO SCALE

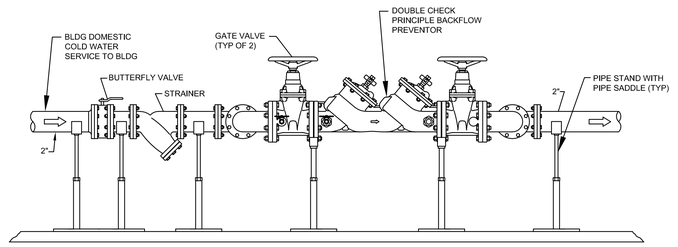
UNIT TYPE	"A"	"B"
DRAW THRU	2X	X
BLOW THRU	1 IN MIN. X	2X

WHERE X = STATIC PRESSURE IN wg.



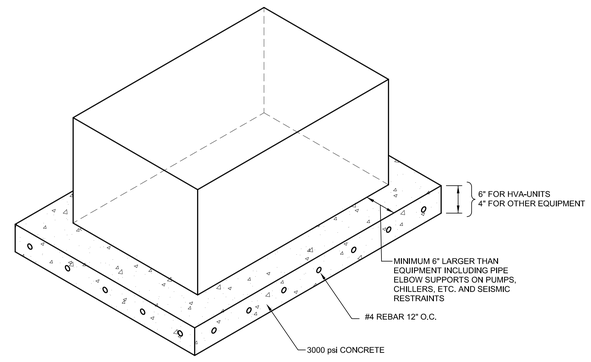
3 CONDENSATE DRAIN DETAIL

SCALE: NO SCALE



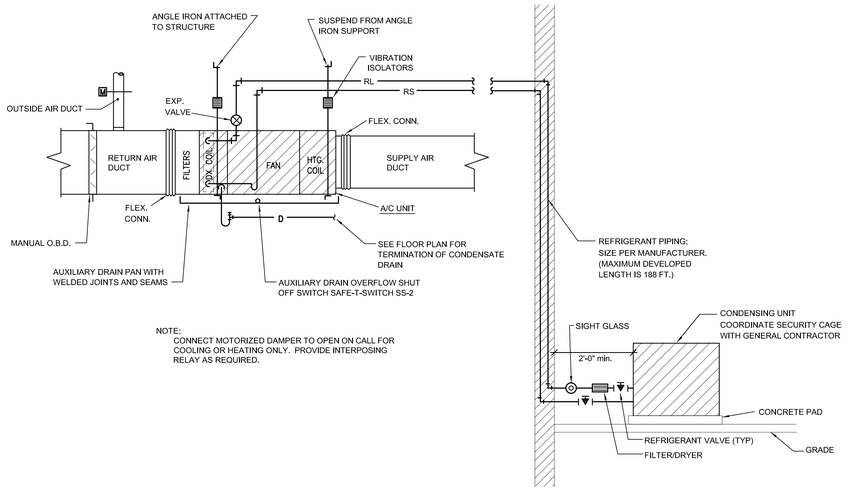
4 DOUBLE CHECK BACKFLOW PREVENTOR

SCALE: N.T.S.



5 PAD DETAIL

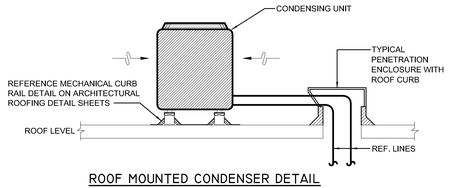
SCALE: NO SCALE



NOTE:
CONNECT MOTORIZED DAMPER TO OPEN ON CALL FOR COOLING OR HEATING ONLY. PROVIDE INTERPOSING RELAY AS REQUIRED.

6 SPLIT SYSTEM UNIT DETAIL (GROUND MOUNTED CONDENSER)

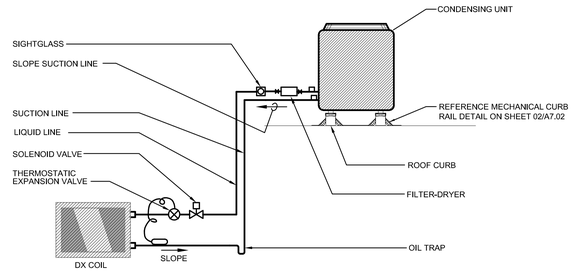
NO SCALE



ROOF MOUNTED CONDENSER DETAIL
SCALE: N.T.S.

NOTES:

1. THE METHOD AND SIZE OF REFRIGERANT PIPING SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S ENGINEERING AND INSTALLATION RECOMMENDATIONS.
2. OVERSIZE REFRIGERANT PIPING FOR CONDENSING UNITS LOCATED MORE THAN 50 FEET FROM FAN COIL UNITS. CONSULT MANUFACTURER'S SPLIT SYSTEM LONG LINE APPLICATION GUIDE FOR RECOMMENDATIONS.



REFRIGERANT PIPING DETAIL (A)
SCALE: N.T.S.

7 SPLIT SYSTEM DETAILS (ROOF MOUNTED CONDENSER)

SCALE: NO SCALE

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MECHANICAL AND PLUMBING DETAILS

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ALTERNATE #3 -

DEMOLISH EXISTING SPLIT SYSTEMS FOR MDF-189 AND IDF-190 AND INSTALL NEW

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

	System Tag	CU-1	CU-2	CU-3 (N)
	Tag Reference	SS-1	SS-2	SS-3 (N)
Nominal Data	Room Name	189 MDF	190 Maintance	111A Secure Vestibule
	Model	5TEM6D06AV41	PEAD-AA18NL	TPLFYP005FM140A
	Type	Ducted (Concealed)	Ceiling-Concealed (Ducted)	Ceiling-Cassette (Four-Way)
	Nominal Cooling Capacity (BTU/h)	48,000	18,500	5,000
	Nominal Heating Capacity (BTU/h)	N/A	N/A	5,600
	Weight (lbs)	174.0	60.0	28.9
Design Conditions	Cooling Design Entering Temp DB/WB (°F)	80.0/67.0	78.0/65.0	75.0/62.5
	Heating Design Entering Temp DB/WB (°F)	N/A	N/A	70.0
	Cooling Diversity Full/Partial (See Note 5, 6)	FULL DEMAND	FULL DEMAND	PARTIAL DEMAND
	Heating Diversity Full/Partial (See Note 5, 6)	N/A	N/A	FULL DEMAND
	Refrig Pipe Dim Liquid/Suction (inch)	3/8 / 7/8	1/4 / 1/2	1/4 / 1/2
Performance Data	Cooling Total Capacity (BTU/h)	47,489.0	17,154.9	4,581.3
	Cooling Sensible Capacity (BTU/h)	36,083.0	11,821.1	4,311.1
	Heating Capacity (BTU/h)	0.0	0.0	3,889.4
	Estimated Cooling Coil LAT (°F) / [LWT]	58.8	59.5	60.6
	Estimated Heating Coil LAT (°F) / [LWT]	N/A	N/A	82.9
Fan / Water Flow Data	Fan Speed Setting	MEDIUM	MEDIUM	MEDIUM
	Peak Fan Airflow (cfm) / [Design gpm]	1600	600	280
	Max Fan ESP Setting 208V/230V (IN WG)	0.9	0.14/0.20/0.28/0.40/0.60	0
Electrical Data	Voltage / Phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase
	Electrical MCA/MFS	Powered by Outdoor	Powered by Outdoor	Powered by Outdoor
Notes / Options	Applicable System Notes - See Notes Below	Powered by Outdoor	Powered by Outdoor	Powered by Outdoor
		1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 101°F (DB) Ambient Temp.
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB).
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system.
Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply.

ALTERNATE #3 -

DEMOLISH EXISTING SPLIT SYSTEMS FOR MDF-189 AND IDF-190 AND INSTALL NEW

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

	System Tag	CU-1	CU-2	CU-3 (N)
	Tag Reference	CU-1	CU-2	CU-3 (N)
Nominal Data	M-NET Address	N/A	N/A	N/A
	Model Number	5TTA4048A3	PUY-AK18NL	MUZ-FX06NLHZ
	Nominal Cooling Capacity (BTU/h)	48,000	18,000	6,000
	Nominal Heating Capacity (BTU/h)	N/A	N/A	9,000
	Cooling Efficiency IEER/EER [SEER]	12	12	21.45
	EER2 [SEER2]	13.7 [15.2]	13.7 [20.1]	21.45 [35]
	Weight (lbs	257	99	89
Design Conditions	Design Cooling Outdoor Ambient Temp DB (°F	101.00	101.0	101.0
	Design Heating Outdoor Ambient Temp DB (°F)	N/A	N/A	22.0
Performance Data	Corrected Cooling Total Capacity (BTU/h)	47,489	17,154.9	6,000.0
	Corrected Heating Capacity (BTU/h)	N/A	N/A	9,000.0
Compressor Data	Compressor Type	SCROLL	TWIN ROTARY	TWIN ROTARY
	Compressor Quantity	1	1	1
Electrical Data	Voltage / Phase	208/230V / 3-phase	208/230V / 1-phase	208/230V / 1-phase
	MCA 208/230	16.2	16	12
	Recommended Fuse Size (RFS)	N/A	20	N/A
	MOCP	25	27	20
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5	1, 2, 3, 4, 5	1, 2, 3, 4, 5

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 101°F (DB)Ambient Temp.
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB).
3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.

AIR DEVICE SCHEDULE

UNIT MARK	*E, R, OR S	TYPE	VOLUME CONTROL	SIZE FACE	SIZE NECK	FRAME STYLE	MANUFACTURER	MODEL#	REMARKS
S1	S	LOUVER	* *	24"x24"	REF. NOTE 5	LAY-IN/SURFACE	TITUS	TMS-AA	ALUMINUM
S2	S	LOUVER	YES	24"x24"	REF. NOTE 5	LAY-IN/SURFACE	TITUS	TMS-AA	ALUMINUM WITH O.B.D.
R1	R	EGGCRATE	NO	24"x24"	22"x22"	LAY-IN/SURFACE	TITUS	50F	ALUMINUM
R2	R	EGGCRATE	NO	24"x12"	22"x10"	LAY-IN/SURFACE	TITUS	50F	ALUMINUM
(D)	DEMOLISH AIR DEVICE								
(E)	EXISTING AIR DEVICE TO REMAIN								

NOTES:
* E, R, AND S DENOTE EXHAUST, RETURN, AND SUPPLY, RESPECTIVELY.
* * INSTALL IN TRUNK DUCT WHEN ABOVE ACCESSIBLE CEILING, IF NOT, PROVIDE WITH AIR DEVICE.
1. PROVIDE ALL AIR DEVICES WITH BALANCING DAMPERS.
2. COORDINATE PAINT COLOR AND FINISH WITH OWNER PRIOR TO PURCHASE AND INSTALLATION.
3. MOUNTING FRAMES FOR ALL AIR DEVICES MOUNTED IN GYPBOARD CEILINGS.
4. INSULATION FOR BACK OF DIFFUSERS IN UNCONDITIONED SPACES.
5. 6" = 0 - 100, 8" = 101 - 250, 10" = 251 - 400, 12" = 401 - 500
14" = 501 - 700

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	REMARKS
DCBP	3" DOUBLE CHECK WATTS LEAD-FREE WITH QUARTER-TURN BALL VALVES (COMTRACTOR TO VERIFY EXISTING BACKFLOW PREVENTOR SIZE AND REPLACE IN KIND). MODEL LF709	(OR EQUAL AS APPROVED BY OWNER)

NOTES:
1. VERIFY MOUNTING LOCATIONS AND HEIGHTS.
2. ALL PLUMBING FIXTURES MUST CONFORM TO CURRENT WATER CONSERVATION REGULATIONS.

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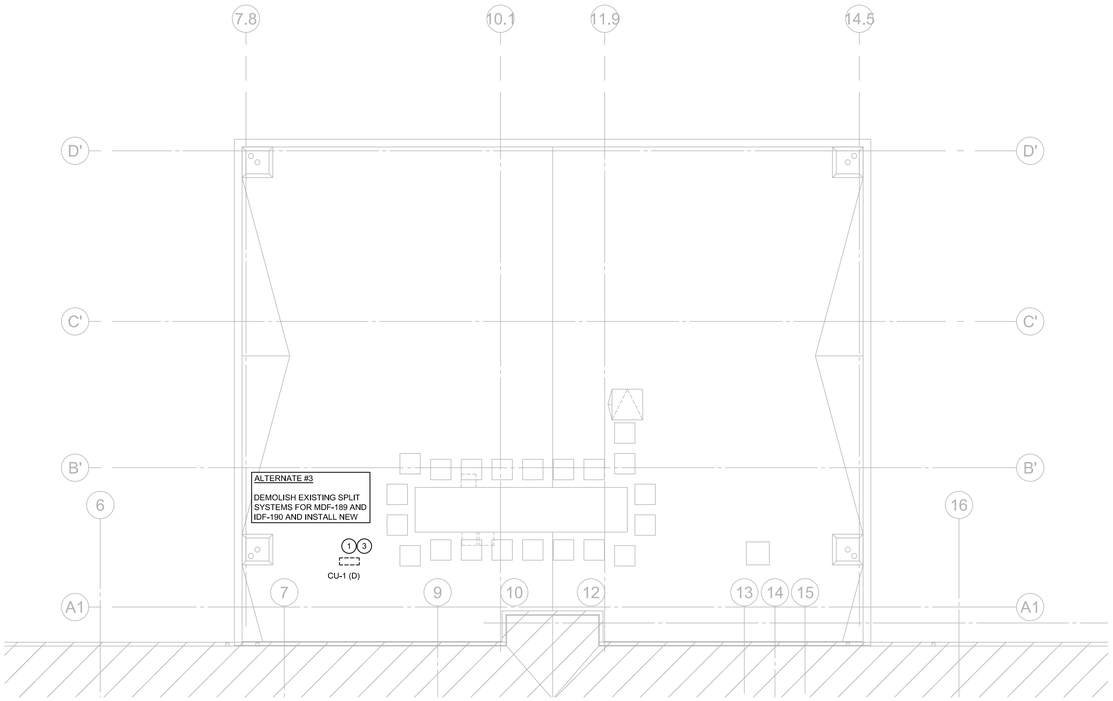
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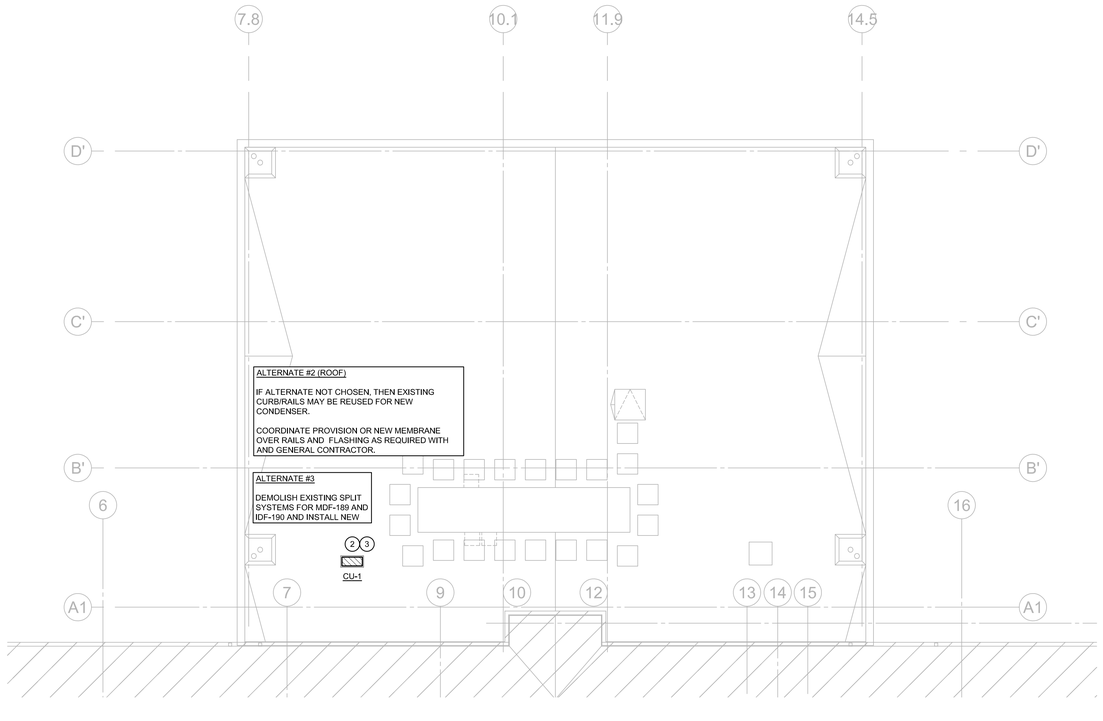
MP6.01



MECHANICAL AND PLUMBING ENLARGED DEMO PLAN - ROOF

1

SCALE: 1/8" = 1'-0"



MECHANICAL AND PLUMBING ENLARGED PLAN - ROOF

2

SCALE: 1/8" = 1'-0"

NOTES BY SYMBOL

1. DEMOLISH EXISTING CONDENSING UNIT AND ROOF CURB/RAILS. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING CONDENSING UNIT TO BE DEMOLISHED. DEMO INCLUDES THE EXISTING REFRIGERATION LINE SETS, REFERENCE NOTES BY SYMBOL #3.
2. INSTALL NEW CONDENSING UNIT IN THE SAME LOCATION AS THE DEMOLISHED CONDENSING UNIT. PROVIDE NEW ROOF CURB. REFER TO DETAIL 7 ON SHEET MP5.01. REFERENCE NOTE BLOCKS FOR ALTERNATE #2 AND ALTERNATE #3.
3. REUSE EXISTING PATH WAY FOR EXISTING REFRIGERATION LINES TO INSTALL NEW LINES.

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ABBREVIATIONS

(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON DRAWINGS)

A

A/C	AIR CONDITIONING
ABV	ABOVE
AC	ALTERNATING CURRENT
ACC	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
ADJ	ADJUSTABLE
AF	AMPERE FUSE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTIC CURRENT
AL	ALUMINUM
AMPS	AMPERES
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECT; ARCHITECTURAL; ARCHITECTURE
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AUX	AUXILIARY
AV	AIR VENT
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION

B

BD	BACKDRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BFW	BOILER FEED WATER
BKR	BREAKER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BTU	BRITISH THERMAL UNIT

C

C	CONDUIT
°C	DEGREES CELCIUS
CATV	CABLE TELEVISION SYSTEM
CCTV	CLOSED CIRCUIT TELEVISION SYSTEM
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CISPI	CAST IRON SOIL PIPE INSTITUTE
CIRC	CIRCULATING
CIRC	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CPVC	CHLORINATED POLYVINYL CHLORIDE
CU	COPPER
CW	COLD WATER

D

D	DEPTH
DB	DRY BULB
dB	DECIBEL
DC	DIRECT CURRENT
DEG	DEGREES
DESIG	DESIGNATION
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DPDT	DOUBLE-POLE, DOUBLE-THROW
DPST	DOUBLE-POLE, SINGLE-THROW
DSN	DOWNSPOUT NOZZLE
DWG	DRAWING
DX	DIRECT EXPANSION

E

EA	EACH
EAT	ENTERING AIR TEMPERATURE
ECC	ECCENTRIC
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
ELEC	ELECTRIC; ELECTRICAL
ELEV	ELEVATION
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WEB BULB
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING

F

°F	DEGREES FAHRENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FCO	FLOOR CLEANOUT
FL	FLOW LINE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FOOT; FEET
FVNR	FULL-VOLTAGE, NON-REVERSING

G

G, GND	GROUND
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GFR	GROUND FAULT RELAY
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP; GREASE INTERCEPTOR
GW	GREASE WASTE

H

H	HEIGHT; HIGH
HD	HEAD; HUB DRAIN
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER
HSTAT	HUMIDISTAT
HSTM	HIGH PRESSURE STEAM
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HYD	HYDRANT
HZ	HERTZ

I

ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IEEE	INSTITUTE OF ELECTRICAL ELECTRONIC ENGINEERS
IES	ILLUMINATING ENGINEERING SOCIETY
IG	ISOLATED GROUND
IN	INCH
IN WC	INCHES OF WATER COLUMN

K

KCMIL	1000 CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT-AMP
KW	KILOWATT
KWH	KILOWATT-HOUR

L

L	LENGTH; LONG
LAT	LEAVING AIR TEMPERATURE
LB, #	POUND
LDB	LEAVING DRY BULB
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LSTM	LOW PRESSURE STEAM (15-PSIG)
LTG	LIGHTING
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE

M

MAX	MAXIMUM
MHB	1000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFGR	MANUFACTURER
MG	MOTOR GENERATOR
MH	MANHOLE; METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED

N

N/A	NOT APPLICABLE
NC	NOISE CRITERIA; NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE

O

OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OVERFLOW DRAIN, OUTSIDE DIAMETER
OH	OVERHEAD
OPG	OPENING
OS&Y	OUTSIDE STEM & YOKE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OWS	OIL-WATER SEPARATOR

P

PD	PRESSURE DROP
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PNL	PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
PRV	PRESSURE REGULATING VALVE
PSV	PRESSURE SAFETY RELIEF VALVE
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE

Q

QTY	QUANTITY

R

RA	RETURN AIR
RCP	REFLECTED CEILING PLAN; REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE:	REFER; REFERENCE
RECIRC	RECIRCULATE
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION; REVISE
RGS	RIGID GALVANIZED STEEL
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPS
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION

S

SA	SUPPLY AIR
SAN	SANITARY
SD, STM	STORM DRAIN
SECT	SECTION
SF	SQUARE FEET
SH	SHOWER
SHT	SHEET
SIM	SIMILAR
SHT MTL	SHEET METAL
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL; SANITARY SEWER
SSD	SUB-SOIL DRAIN
ST	SOUND TRAP; STEAM TRAP
STD	STANDARD
STL	STEEL
SURF	SURFACE
SUSP	SUSPEND

T

TDH	TOTAL DYNAMIC HEAD
THRU	THROUGH
TP	TOTAL PRESSURE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL

U

U/F	UNDERFLOOR
U/G	UNDERGROUND
U/S	UNDERSLAB
UL	UNDERWRITTERS LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY

V

V	VENT; VOLT
VA	VOLT-AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VCP	VITRIFIED CLAY PIPE
VD	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VTR	VENT THROUGH ROOF

W

W	WATT; WIDE; WIDTH
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER CLOSET; WATER COLUMN
WG	WATER GONG
WPD	WATER PRESSURE DROP
WP	WEATHER-PROOF
WT	WATERTIGHT; WEIGHT

X

XFMR	TRANSFORMER

PIPING TYPES

SAN	SANITARY SEWER
V	SANITARY VENT
GW	GREASE WASTE (KITCHEN)
OW	OIL / WATER WASTE
CD	CONDENSATE DRAIN
D	DRAIN
SSD	SUB-SOIL DRAIN (GROUND WATER)
SD	STORM DRAIN (STORM PRIMARY DRAIN)
OD	OVERFLOW DRAIN (STORM SECONDARY DRAIN)
CW	COLD WATER (DOMESTIC - POTABLE)
HW	HOT WATER (DOMESTIC - POTABLE)
HW (XXX °F)	HOT WATER (DOMESTIC - POTABLE), WHERE "XXX" = TEMPERATURE OF SERVICE
HWR	HOT WATER RETURN (DOMESTIC - POTABLE)
HWR (XXX °F)	HOT WATER RETURN (DOMESTIC - POTABLE), WHERE "XXX" = TEMPERATURE OF SERVICE
NPW	NON-POTABLE WATER
TP	TRAP PRIMER SUPPLY
F	FIRE SUPPRESSION WATER
G	NATURAL GAS
A	COMPRESSED AIR
(E)X	EXISTING PIPE, WHERE "X" DENOTES SERVICE OR PIPING SYSTEM
DEMO	EXISTING PIPE TO BE DEMOLISHED

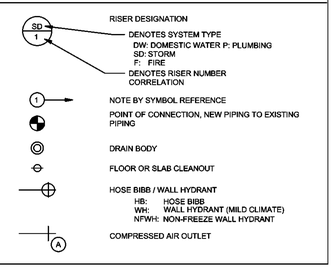
PIPING SYMBOLS (SINGLE LINE DIAGRAM SYMBOLS)

- ELBOW DOWN
- ELBOW UP
- TEE OUTLET UP
- TEE OUTLET DOWN
- VALVE IN DROP
- VALVE IN RISE
- VALVE IN CENTER DROP
- CONCENTRIC INCREASER / REDUCER
- ECCENTRIC INCREASER / REDUCER
- GATE VALVE
- GLOBE VALVE
- OUTSIDE STEM AND YOKE (OS&Y) VALVE
- BUTTERFLY VALVE
- BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
- PRESSURE REGULATING VALVE
- TWO-WAY SELF OPERATING VALVE
- THREE-WAY SELF OPERATING VALVE
- MOTOR OPERATED VALVE
- PNEUMATIC OPERATED VALVE
- SOLENOID OPERATED VALVE
- FLOW SWITCH
- PRESSURE SWITCH
- CHECK VALVE
- DOUBLE CHECK BACKFLOW PREVENTER
- REDUCED PRESSURE BACKFLOW PREVENTER
- STRAINER
- STRAINER WITH BLOWDOWN VALVE
- BALL VALVE
- GAS VALVE
- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- TEMPERATURE AND PRESSURE RELIEF VALVE
- VACUUM BREAKER
- DIELECTRIC UNION
- CLEANOUT (FLOOR OR SLAB)
- TWO-WAY CLEANOUT (FLOOR OR SLAB)
- LINE CLEANOUT
- PIPE SLOPE
- DIRECTION OF FLOW (PUMPED MEDIUM)
- PIPE ANCHOR
- PIPE EXPANSION FITTING
- PIPE GUIDE
- FLEXIBLE PIPE CONNECTION
- GAUGE COCK
- PRESSURE GAUGE WITH GAUGE COCK
- THERMOMETER
- THERMOMETER WELL
- METER
- GAS PRESSURE REGULATOR

GENERAL NOTES

1. DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY TO ONE ANOTHER. EACH DOCUMENT IS NOT COMPLETE WITHOUT THE OTHER.
2. THE DRAWINGS CONTAINED HEREIN ARE DIAGRAMMATIC IN NATURE AND CONVEY GENERAL INTENT. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS AND DEVELOPED DETAILED PIPING INSTALLATION SHOP DRAWINGS, FOR DESIGN TEAM REVIEW AND APPROVAL, WHICH DELINEATE COORDINATION WITH ALL TRADES AND BUILDING ELEMENTS. OBTAIN APPROVALS PRIOR TO ACTUAL CONSTRUCTION.
3. INFORMATION ABOUT EXISTING FACILITIES AND SYSTEMS DELINEATED HEREIN IS BASED ON RECORD DRAWINGS FURNISHED TO THE DESIGN TEAM AND IS INCLUDED FOR INFORMATION ONLY. FIELD VERIFY LOCATIONS AND CONFIGURATIONS OF EXISTING SYSTEMS AND CONDITIONS PRIOR TO START OF ANY WORK. NOTIFY DESIGN TEAM IMMEDIATELY OF ANY DIFFERING CONDITIONS DISCOVERED.
4. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR CONSTRUCTION.
5. PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES, OR REGULATIONS OF FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE RECEIVED.
6. ALL APPLICABLE STANDARDS REFERENCED IN THE INTERNATIONAL PLUMBING CODE (IPC), EDITION, ARE HEREBY INCORPORATED INTO THE REQUIREMENTS FOR FABRICATION, CONSTRUCTION AND INSTALLATION OF THE WORK. REFER IN THE IPC TO CHAPTER 1, "SCOPE AND ADMINISTRATION" AND TO CHAPTER 14, "REFERENCED STANDARDS".
7. DO NOT SCALE OR MAKE PHYSICAL MEASUREMENTS FROM THESE DRAWINGS FOR CONSTRUCTION PURPOSES.
8. VERIFY EXACT LOCATIONS OF ALL PIPING PENETRATIONS THROUGH SLABS AND WALLS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS AND ACTUAL JOBSITE CONDITIONS.
9. COORDINATE ALL SLAB PENETRATIONS AND SLEEVES PRIOR TO EACH CONCRETE POUR.
10. COORDINATE WORK WITH ARCHITECTURAL FEATURES AND OTHER WORK SUCH THAT INTERFERENCES BETWEEN PIPING AND PLUMBING WORK, MECHANICAL WORK, ELECTRICAL WORK AND BUILDING STRUCTURE WILL BE AVOIDED.
11. INSTALL PIPING TO PROVIDE MAXIMUM CLEAR HEIGHT UNDERNEATH. IN ABOVE CEILING SPACES, MAINTAIN 12" MINIMUM CLEARANCE BELOW PIPING TO ALLOW FOR LIGHT FIXTURES.
12. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR ANY FRAMING REQUIRED AROUND PIPES PENETRATING ROOFS, WALLS AND FLOORS.
13. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS, WHERE AVAILABLE, FOR THE LOCATION OF ALL WALL MOUNTED DEVICES.
14. COORDINATE LOCATIONS OF TRENCH DRAINS, AREA DRAINS, FLOOR DRAINS AND ROOF DRAINS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO INSTALLATION TO ENSURE PROPER AND UNIFORM SLOPE OF FINISHED SURFACES TOWARDS DRAIN.
15. INSTALL ALL DRAINS AND GRATES, ACCESS COVERS AND MANHOLES, FLUSH WITH FINISHED SLAB LEVELS AS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS. PROVIDE FINISHED INSTALLATIONS TRUE TO FINISHED SLAB ELEVATIONS AND EXHIBITING NO RISES, BUMPS, HUMPS, CROWNS, DIPS, VALLEYS, DROPS, OR STEPS.
16. PROVIDE ALL NECESSARY MEASURES TO PROTECT DRAINAGE SYSTEM(S) AND COMPONENTS FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES. PREVENT FROM ENTERING DRAINS AND DRAINAGE SYSTEMS (EXISTING AND NEW) ALL MATERIALS WHICH UNDER NORMAL DRAIN SYSTEM USE WOULD BE CONSIDERED FOREIGN, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: EXCESS CONCRETE AND CEMENT INCLUDING THAT FROM OVERPOWERING OR SPILLAGE; SOILS AND AGGREGATES; WASTED CONSTRUCTION RUN-OFF; DEBRIS AND MATERIALS IN GENERAL. REFER ALSO TO THE SPECIFICATIONS.
17. PROVIDE COVERS AND CAPS TO SEAL OFF DRAIN BODIES AND RECEIVERS DURING CONSTRUCTION ACTIVITIES AND PREVENT RUN-OFF FROM ENTERING DRAINAGE SYSTEM OR DRAIN BODY INTERIORS.
18. PROVIDE ALL AREA DRAINS AND FLOOR DRAINS WITH HEEL-PROOF GRATES. REPLACE WITH NEW, ALL GRATES WITH BROKEN, BENT OR DAMAGED TINES.
19. PROVIDE ALL SANITARY FLOOR DRAINS AND FLOOR SINKS WITH IN-LINE TRAP SEAL PROTECTION DEVICES. BASIS OF DESIGN: SURE SEAL MANUFACTURING.
20. DO NOT PENETRATE STRUCTURAL ELEMENTS (BEAMS, GRADE BEAMS, PRETENSION SLABS, ETC.) WITHOUT PRIOR CONSENT OF STRUCTURAL ENGINEER.
21. MAINTAIN A MINIMUM OF 24" COVER ABOVE ALL PIPING INDICATED TO BE ROUTED BELOW GRADE AND OUTSIDE OF BUILDING FOOTPRINT.
22. PROVIDE CONDENSATE DRAINAGE FOR HVAC EQUIPMENT AND DISCHARGE INTO NEAREST APPROVED FLOOR SINK OR MOP SINK.
23. ROUTE ALL PIPING IN ABOVE CEILING LEVEL SPACE, EXCEPT WHERE OTHERWISE INDICATED. COORDINATE ROUTING WITH OTHER TRADES. SLOPED PIPING ELEVATIONS TAKE PRIORITY OVER ALL OTHER SYSTEMS AND TRADES.

MISCELLANEOUS



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PLUMBING ABBREVIATIONS, LEGEND AND SYMBOLS

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ABBREVIATIONS

A

A	AMPERE(S)
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY (ROOT MEAN SQUARE, SYMMETRICAL)
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE

B

BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BLDG	BUILDING

C

C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER

D

DC	DIRECT CURRENT
DWG	DRAWING

E

ECB	ENCLOSED CIRCUIT BREAKER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EGS	ENGINE-GENERATOR SET
ELEC	ELECTRIC OR ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
ESDF	ELECTROSTATIC DISSIPATIVE FLOORING
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXISTING

F

F	FUSE
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATION PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLES
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPERES
FLA	FULL LOAD AMPERES
FLUOR	FLUORESCENT
FO	FIBEROPTIC

G

GFI	GROUND FAULT CIRCUIT INTERRUPTER
G	GROUND

H

HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER

I

IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
INCAND	INCANDESCENT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
INCAND	INCANDESCENT

J

J	JUNCTION BOX

K

KCMIL	THOUSANDS OF CIRCULAR MILS
KV	KILOVOLTS
KVA	KILOVOLT-AMPERE(S)
KW	KILOWATT(S)

L

LED	LIGHT-EMITTING DIODE
LI	LONG TIME, INSTANTANEOUS
LIG	LONG TIME, INSTANTANEOUS, GROUND FAULT
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT
LTFMC	LIQUID-TIGHT FLEXIBLE METALLIC
LTG	LIGHTING

M

MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
MGB	MAIN OR MASTER GROUND BAR
MH	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY

N

N	NEUTRAL OR NORMAL POWER
NC	NORMALLY CLOSED
NE	NORMAL/EMERGENCY POWER
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE

O

OC	ON CENTER
OCP	OVERCURRENT PROTECTION

P

P	POLE(S)
PA	PUBLIC ADDRESS
PB	PUSHBUTTON
PF	POWER FACTOR
PGS	PARKING GUIDEDANCE SYSTEM
PH	PHASE
PNLBD	PANELBOARD
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
PWR	POWER

R

REC	RECEPTACLE(S)
RGS	RIGID GALVANIZED STEEL
RTU	ROOFTOP UNIT

S

SF	SINGLE POLE PRESET FAN SPEEP CONTROL SWITCH
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
STD	STANDARD
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR

T

TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TYP	TYPICAL

U

UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUTIBLE POWER SUPPLY

V

V	VOLTS
VA	VOLT-AMPERE(S)
VAC	VOLTS, ALTERNATING CURRENT
VDC	VOLTS, DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE

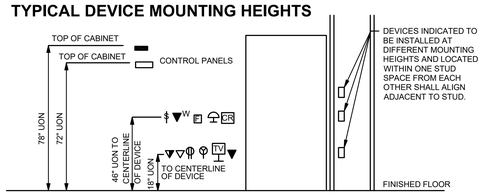
W

W	WATT(S)
W/	WITH
WP	WEATHERPROOF

X

XFMR	TRANSFORMER
XP	EXPLOSION-PROOF

TYPICAL DEVICE MOUNTING HEIGHTS



NOTES:
1. RECEPTACLES, SWITCHES, AND OUTLETS SHALL BE LABELED WITH PANELBOARD AND CIRCUIT NUMBER.
2. DUPLEX RECEPTACLES SHALL BE MOUNTED VERTICALLY UON.
3. DEVICES INDICATED TO BE ABOVE DOORS SHALL BE CENTERED BETWEEN TOP OF DOOR TRIM AND FINISHED CEILING.
4. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN ABOVE.

ELECTRICAL SYMBOLS

ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

- LA-2,4,6 — WHERE SHOWN, INDICATES HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED
- CONDUIT RUN UNDERFLOOR OR BELOW GRADE
- CONDUIT STUB UP
- PANELBOARD, 208Y/120V
- PANELBOARD, 480Y/277V
- DISTRIBUTION PANELBOARD
- SPD — SURGE PROTECTION DEVICE
- T — TRANSFORMER
- GROUNDING BAR
- TRANSFORMER, DESIGNATION AND RATINGS AS NOTED (DELTA-CONNECTED PRIMARY AND WYE-CONNECTED SECONDARY) UNLESS OTHERWISE NOTED.
- CIRCUIT BREAKER, TRIP RATING AS SHOWN, 3 POLE UNLESS OTHERWISE NOTED
- SWITCH, TRIP RATING AS SHOWN, 3 POLE UNLESS OTHERWISE NOTED
- (L,S,I,G) — DENOTES CIRCUIT BREAKER WITH ADJUSTABLE TRIP SETTINGS: L = LONG, S = SHORT, I = INSTANTEOUS, G = GROUND FAULT PROTECTION, GI = GROUND FAULT
- FUSE
- GROUND
- AUTOMATIC TRANSFER SWITCH
- NON-FUSIBLE SAFETY SWITCH. '200/3/150' DENOTES AMPERES/POLE/FUSE. 'NF' DENOTES NON-FUSED. PROVIDE 30/3/NF UNLESS OTHERWISE NOTED. PROVIDE NEMA 3R FOR ALL OUTDOOR INSTALLATIONS.
- FUSIBLE SAFETY SWITCH
- COMBINATION STARTER AND NON-FUSIBLE SAFETY SWITCH
- MOTOR CONNECTION
- VFD — VARIABLE FREQUENCY DRIVE, FURNISHED MY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
- PUSH BUTTON
- 2' x 4' FIXTURE, FIXTURE TYPE AS NOTED
- B — 4' INDUSTRIAL STRIP FIXTURE, FIXTURE TYPE AS NOTED
- B — WALL-MOUNTED FIXTURE, FIXTURE TYPE AS NOTED
- B — CEILING-MOUNTED FIXTURE, FIXTURE TYPE AS NOTED
- NL BE / NL BE — HATCH DENOTES FIXTURE WITH BATTERY BACK UP OR ON EMERGENCY SYSTEM. "NL" DENOTES NIGHT LIGHT. "E" DENOTES EMERGENCY. FIXTURE TYPE AS NOTED.

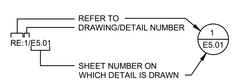
- X — CEILING MOUNTED EXIT SIGN. ARROWS AS INDICATED. DARKENED AREA DENOTES LIGHTED FACE
- X — WALL MOUNTED EXIT SIGN. ARROWS AS INDICATED. DARKENED AREA DENOTES LIGHTED FACE. WHERE SHOWN OVER DOORS, MOUNT 6" ABOVE DOOR FRAME. 7'-6" AFF OTHERWISE
- EM — EMERGENCY LIGHTING UNIT WITH INTEGRAL BATTERY. SEE LIGHTING FIXTURE SCHEDULE
- $ — SINGLE POLE TOGGLE SWITCH
- $3 — THREE-WAY TOGGLE SWITCH
- $4 — FOUR-WAY TOGGLE SWITCH
- $M — MOTOR RATED SWITCH
- $O — WALL MOUNTED OCCUPANCY SENSOR SWITCH
- $K — THREE POSITION KEY SWITCH
- $F — SINGLE POLE PRESET FAN SPEED CONTROL SWITCH
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- WALL MOUNTED SIMPLEX RECEPTACLE (NEMA 5-20R, UON)
- WALL MOUNTED DUPLEX RECEPTACLE (NEMA 5-20R)
- WALL MOUNTED QUADRAPLEX RECEPTACLE (NEMA 5-20R)
- C — CEILING MOUNTED DUPLEX RECEPTACLE (NEMA 5-20R)
- WP — WALL MOUNTED DUPLEX RECEPTACLE. GROUND FAULT INTERRUPTING RECEPTACLE (NEMA 5-20R). "WP" DENOTES WEATHERPROOF IN USE COVER, SHADED CENTER DENOTES GROUND FAULT INTERUPTING.
- TV — RECEPTACLE FOR TELEVISION (NEMA 5-20R). VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- WALL MOUNTED DUPLEX RECEPTACLE. SHADED CENTER DENOTES (GFI) GROUND FAULT INTERRUPTING RECEPTACLE.
- A — RECEPTACLE MOUNTED AT 6" ABOVE COUNTER TOP OR BACKSPLASH
- U — DUPLEX RECEPTACLE (U - COMBINATION TYPE W/ (2) USB PORTS.
- MARKED 'CONTROLLED' SPLIT CIRCUIT DUPLEX RECEPTACLE.
- FLOOR BOX DEVICE WITH MARKED 'CONTROLLED' SPLIT CIRCUIT DUPLEX RECEPTACLE (NEMA 5-20R) AND PROVISIONS FOR DATA /TELECOM AS REQUIRED.
- FLOOR BOX DEVICE WITH (2) DUPLEX RECEPTACLES (NEMA 5-20R) AND PROVISIONS FOR DATA /TELECOM AS REQUIRED. (1) DUPLEX RECEPTACLE SHALL BE MARKED 'CONTROLLED'.
- FLOOR MOUNTED RECEPTACLE (NEMA 5-20R). FLOOR MOUNTED RECEPTACLE WITH DATA/COMMUNICATIONS.
- FLOOR POKE-THRU RECEPTACLE (NEMA 5-20R). FLOOR MOUNTED RECEPTACLE WITH DATA/COMMUNICATIONS.
- FURNITURE FEED STYLE POKE-THRU DEVICE FOR POWER AND DATA CONNECTIONS
- SPECIAL PURPOSE RECEPTACLE
- J — JUNCTION BOX
- RECESSED JUNCTION BOXES MOUNTED ADJACENT TO EACH OTHER, ONE FOR POWER AND ONE FOR DATA. IF FIELD CONDITIONS WILL NOT ACCOMMODATE THE TWO BOXES, USE A TWO-GANG BOX OR LARGER WITH AN NEC APPROVED DIVIDER.

SECURITY / TECHNOLOGY SYMBOLS

- CR — CARD READER SINGLE-GANG OUTLET BOX WITH 3/4"C. TO ABOVE NEAREST ACCESSIBLE CEILING, UON.
- CR WP — CARD READER RATED FOR EXTERIOR LOCATION
- CD — CONTROLLED DOOR
- DR M — MASTER DOOR RELEASE
- DR — DOOR RELEASE
- RR — REMOTE DOOR RELEASE
- IMS — INTERCOM MASTER STATION
- AV AV — TEACHING DISPLAY OUTLET MOUNTED BEHIND DISPLAY - 4"x 4"x2.375" GANG BOX MINIMUM W/ DOUBLE GANG MUD RING WITH (1-HDMI, 4-PORT INSERT FOR CAT 6 DATA) TERMINATION
- M M — MULTI-MEDIA OUTLET - 4"x 4"x2.375" GANG BOX MINIMUM W/ DOUBLE GANG MUD RING WITH (1-HDMI, 4-PORT INSERT FOR CAT 6 DATA) TERMINATION
- CB — CALL BUTTON - SINGLE-GANG OUTLET BOX WITH 3/4" C. AND PULLSTRING TO ABOVE NEAREST ACCESSIBLE CEILING, UON.
- "X" — DATA OUTLET- SINGLE-GANG OUTLET BOX WITH 1" C TO ABOVE NEAREST ACCESSIBLE CEILING. "X" DENOTES NUMBER OF CABLES AND JACKS.
- TV TV — TV OUTLET SINGLE-GANG OUTLET BOX WITH 1" C. TO ABOVE NEAREST ACCESSIBLE CEILING, UON.
- DC — DOOR CONTACT
- CA — SECURITY CAMERA (BY OTHERS)
- WP CA — SECURITY CAMERA RATED FOR EXTERIOR LOCATION (BY OTHERS)
- PA — PA SYSTEM SPEAKER
- WAP — CEILING MOUNTED WIRELESS ACCESS POINT WITH (1) FOUR-PAIR TWISTED PAIR CABLE RUN, CAT. 6 (BY DISTRICT)

NOTE: LOW VOLTAGE CABLING BY DISTRICT. GC SHALL PROVIDE SINGLE GANG BOX AND CONDUIT WITH PULL-STRING TO ACCESSIBLE CEILING SPACE AS REQUIRED.

DRAWING/DETAIL REFERENCE KEY



SPECIAL REQUIREMENTS

1. WIRING IN SCHOOL ROOMS TO BE COMPLIANT WITH THE CURRENTLY ADOPTED US NATIONAL ELECTRICAL CODE (NEC) IN THE LOCAL JURISDICTION, AND APPLICABLE STATE ELECTRICAL CODE. SCHOOL ROOMS SHALL BE FREE OF THE FOLLOWING COMMON WIRING ERRORS:
   a. IMPROPERLY WIRED SUBPANELS (NEUTRAL-TO-GROUNDBOND).
   b. INCORRECT THREE-WAY SWITCH WIRING.
   c. INCORRECT WIRING OF SWITCHED OUTLET CIRCUITS.
   d. NEUTRALS FROM SEPARATE BRANCH CIRCUITS THAT ARE CONNECTED ANYWHERE BEYOND THE PANEL OF ORIGIN FOR THE CIRCUITS.
   e. NEUTRAL-GROUND SHORTS (INTENTIONAL OR INADVERTENT) ANYWHERE IN THE SYSTEM.

PER TX-CHPS EQ-15.1, THE CORRECTNESS OF THE WIRING SHALL BE CHECKED IN EACH ROOM AND THE ELF MAGNETIC FIELD EXPOSURE MEASURED LEVELS (TRMS) COMPLY WITH THE 1 MG (100 NT) IN THE NEW CONSTRUCTION AND 2 MG (200 NT) IN THE EXISTING SCHOOL MODERNIZATIONS.

THIRD PARTY COMMISSIONING

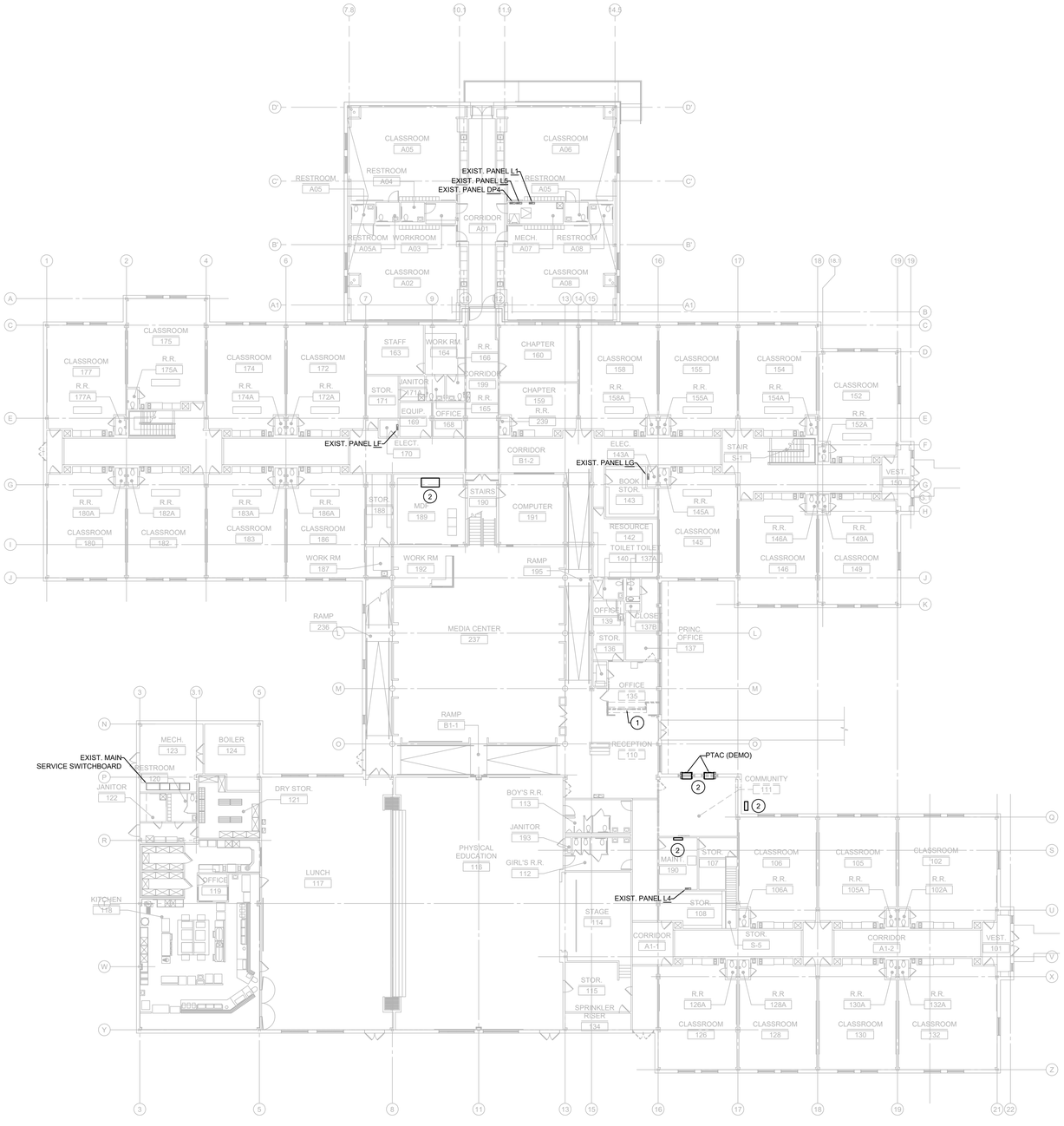
PROVIDE THIRD PARTY COMMISSIONING PER IECC. SUBMIT FORMS (CHECKLISTS / TEST PROCEDURES / REPORTS) TO ENGINEER FOR REVIEW PRIOR TO EXECUTION OF COMMISSIONING. SUBMIT FINAL REPORT TO OWNER.

GENERAL NOTES

1. GENERAL NOTES APPLY TO ENTIRE DRAWING SET.
2. DO NOT SCALE OR DIMENSION FROM THESE DRAWINGS.
3. "FURNISH" SHALL MEAN TO SUPPLY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION AND SIMILAR OPERATION.
4. "INSTALL" SHALL MEAN OPERATIONS AT PROJECT SITE, INCLUDING UNLOADING, TEMPORARY STORING, UNPACKING, ASSEMBLING, ERECTING, PLACING, CONNECTING, ANCHORING, WORKING TO DIMENSION, FINISHING, PROTECTING, CLEANING, AND SIMILAR OPERATION. "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.
5. REFER TO ELECTRICAL AND MECHANICAL PLANS, ELEVATIONS, AND DETAILS FOR LOCATIONS OF CEILING ELEMENTS (LIGHTING FIXTURES, DIFFUSERS, ETC.) AND OTHER WALL MOUNTED DEVICES. IF LOCATION FOR ITEM IS NOT SHOWN ON ABOVE LISTED DRAWINGS, VERIFY CRITICAL AREAS WITH FIELD PROJECT MANAGER.
6. ELECTRICAL SYSTEMS INDICATED ON DRAWINGS ARE DIAGRAMMATIC AND REQUIRES ADDITIONAL UNFORESEEN WORK TO COMPLY WITH APPLICABLE LOCAL CODES AND AMENDMENTS, AND WITH ASSOCIATED WORK OF OTHER TRADES, INCLUDING NECESSARY CIRCUITRY, SHALL BE PROVIDED TO MAKE SYSTEMS COMPLETE AND IN SAFE WORKING ORDER. COORDINATE WORK WITH OTHER TRADES.
7. INFORMATION ON THE DRAWINGS HAS BEEN ASCERTAINED FROM EXISTING AS-BUILT DRAWINGS FURNISHED BY THE OWNER AND BY VISUAL FIELD OBSERVATIONS. THIS INFORMATION IS AS ACCURATE AS CONDITIONS WOULD ALLOW. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH THE EXTENT OF REMODEL WORK REQUIRED. NO EXTRAS WILL BE ALLOWED FOR ALTERATIONS OF A FORESEEABLE NATURE REQUIRED TO ACHIEVE THE END RESULTS AS INDICATED BY THE CONTRACT DOCUMENTS.
8. INDICATED CIRCUIT RUNS ARE DIAGRAMMATIC. SIZE AND LOCATE PULL BOXES PER NEC AND COORDINATE OTHER DISCIPLINES. BUILDING CONDITIONS SHALL DETERMINE ACTUAL CONDUIT RUNS. PVC SHALL NOT BE USED IN INTERIOR EXPOSED SPACES.
9. WHEREVER CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, THE BETTER QUALITY, OR LARGER SIZE SHALL PREVAIL UNLESS THE ARCHITECT INFORMS THE CONTRACTOR OTHERWISE IN WRITING.
10. UNLESS OTHERWISE NOTED, BRANCH CIRCUITS SHALL BE 2#12, 1#12G, 3/4" C.
11. UNLESS OTHERWISE NOTED, ALL 20A CIRCUIT WIRING INSTALLED OVER 90 FEET LONG SHALL BE 10 AWG, OVER 140 FEET LONG SHALL BE 8 AWG, OVER 220 FEET LONG SHALL BE 6 AWG. SIZE RACEWAY ACCORDING TO THE NATIONAL ELECTRICAL CODE. (ALL LENGTHS GIVEN ARE FOR TOTAL LENGTH OF BRANCH CIRCUIT).
12. UNLESS OTHERWISE NOTED, CIRCUIT EMERGENCY AND EXIT LIGHTS THAT HAVE INTEGRAL BATTERIES TO NON-SWITCHED LEG OF NEAREST LIGHTING CIRCUIT.
13. REFER TO ARCHITECTURAL PLANS AND COORDINATE WITH OWNER FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.
14. CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALLATION DETAIL OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS (WALL ELEVATIONS, MILLWORK DETAILS, ETC.) AND WITH MILLWORK MANUFACTURER PRIOR TO ELECTRICAL ROUGH-IN
15. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS FOR HVAC EQUIPMENT. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR.
16. LIGHT FIXTURES ARE CONTROLLED BY SWITCHING DEVICE WITHIN THE SAME ROOM OR AREA UNLESS OTHERWISE NOTED. LOWER CASE LETTER ADJACENT TO LIGHT FIXTURE INDICATES LIGHT FIXTURE OPERATED BY A SWITCH WITH THE SAME DESIGNATION.
17. OCCUPANCY SENSOR LOCATIONS ARE SHOWN FOR GENERAL REFERENCE ONLY. COORDINATE SENSOR LOCATIONS AND QUANTITIES WITH MANUFACTURER'S RECOMMENDATIONS FOR PROPER OPERATION.
18. ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR.
19. LIGHTING CIRCUIT INDICATED ADJACENT TO SWITCHING DEVICE OR LIGHT FIXTURE.
20. UNLESS OTHERWISE NOTED, UTILIZE COMBINED POWER & CONTROL CABLE, SOUTHWIRE #MCPPCS DUO (OR EQUAL) WHERE 0-10V DIMMING CONTROLS ARE INDICATED.
21. SWITCH AND RECEPTACLE COVER PLATES TO BE BRUSHED STAINLESS STEEL.
22. ALL BRANCH CIRCUITS AND FEEDERS SHALL HAVE SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR.
23. WIREMOLD SURFACE MOUNTED RACEWAY SHALL NOT BE RUN IN OR THROUGH ANY EXISTING BOOKSHELVES OR MILLWORK IN AREAS WHERE BOOKSHELVES AND MILLWORK IS NOT DOCUMENTED ON THE FLOOR PLANS. BRING CONFLICTS TO THE ATTENTION OF THE ARCHITECT.
24. PROVIDE UPDATED TYPED PANEL DIRECTORIES FOR ALL EXISTING PANELS AFFECTED BY REMODEL WORK. PROVIDE NEW CIRCUIT BREAKER IDENTIFICATION AS REQUIRED.
25. MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING ITEMS THAT ARE REMAINING.
26. ALL ITEMS SHOWN TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED CONDUIT AND WIRE BACK TO POINT OF ORIGIN OR NEAREST EXISTING ITEM THAT IS REMAINING, UNLESS OTHERWISE NOTED.
27. CABLE BASKET TRAY SHOWN ON THE DRAWINGS IS NEW AND SHALL BE PROVIDED BY CONTRACTOR AND SUPPORTED FROM STRUCTURE. WHERE THERE ARE ONLY A FEW CABLES, THEY CAN BE SUPPORTED WITH J-HOOKS.
28. PENETRATIONS OF WALLS, FLOORS, ROOFS, AND STRUCTURAL BEAMS FOR THE PASSAGE OF ELECTRICAL RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED OFF AFTER INSTALLATION OF RACEWAY SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF, AND FIRE PROOF INTEGRITY OF THE SYSTEM PENETRATED.
29. ALL BOXES AND CONDUIT IN NEW BLOCK WALLS, FURR-OUT WALLS AND CEILING SHALL BE FLUSH MOUNTED OR CONCEALED UNLESS NOTES OTHERWISE. NEW DEVICES ON EXISTING BLOCK WALLS SHALL BE SURFACE MOUNTED AND PAINTED TO MATCH WALL.
30. CONTRACTOR SHALL VERIFY THE EXACT POWER CONNECTION TYPE AND NEMA CONFIGURATION OF RECEPTACLES FOR EQUIPMENT FURNISHED BY THE OWNER, OTHER TRADES, OR UNDER A SEPARATE SECTION OF THIS CONTRACT PRIOR TO ELECTRICAL ROUGH-IN.
31. ALL CIRCUIT BREAKERS SERVING MECHANICAL EQUIPMENT SHALL BE TYPE 'HACR'.
32. ALL RECEPTACLES WITHIN SIX FEET (6'-0") OF ANY PLUMBING FIXTURE AND/OR SINK SHALL BE EQUIPPED WITH GFCI FOR PERSONNEL PROTECTION.
33. ALL RECEPTACLES LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE HOUSED IN ENCLOSURES THAT ARE RATED 'WEATHER-PROOF- WHILE-IN-USE' AND SHALL BE EQUIPPED WITH GFCI FOR PERSONNEL PROTECTION.
34. FINISH COLORS OF DEVICES AND CORRESPONDING COVER PLATES SHALL BE SELECTED AND APPROVED BY THE ARCHITECT.
35. ALL NEW WIRING REQUIRED IN REMODELED AREAS SHALL BE FISHED THROUGH EXISTING WALLS, CONCEALED IN NEW OR FURRED OUT WALLS, OR RUN ABOVE CEILINGS OR IN CRAWL SPACE. WHERE NEW OUTLETS ARE SHOWN ON EXISTING CONCRETE WALLS THAT ARE NOT TO BE FURRED OUT, DETAILED SOLUTIONS HAVE BEEN PROVIDED UTILIZING WIREMOLD TYPE PRODUCTS. WHERE EXISTING J-BOXES AND CONDUIT CAST IN THE WALLS CAN BE MADE TO WORK, IT CAN BE REUSED. SURFACE MOUNTED CONDUIT SHALL NOT BE USED IN ANY FINISHED AREAS.
36. THE CONTRACTOR SHALL PROVIDE AND INSTALL AN EMPTY CONDUIT RACEWAY SYSTEM FOR DATA. PROVIDE RACEWAY ACCESS FOR DATA. IN AREAS WITH ACCESSIBLE DROP CEILING; CONTRACTOR SHALL INSTALL CONDUIT FROM DATA DEVICE TO NEAREST ACCESSIBLE CEILING. IN AREAS WITHOUT ACCESSIBLE CEILINGS OR PUBLIC AREAS WITH EXPOSED STRUCTURE; CONTRACTOR SHALL INSTALL CONDUIT BETWEEN EACH DEVICE AND THE TERMINAL BOARD. ALL CONDUITS SHALL HAVE NYLON PULL CORD INSTALLED FOR USE BY CABLE INSTALLER. IN ADDITION TO THESE DEVICE RACEWAYS, THE CONTRACTOR SHALL PROVIDE THE REQUIRED RACEWAY BETWEEN EACH TERMINAL BOARD. PROVIDE ALL TERMINAL BOARDS, SIZED AND LOCATED, AS REQUIRED BY DATA INSTALLERS. CONDUIT SHALL BE 1" MINIMUM, UNLESS OTHERWISE NOTED. PROVIDE NYLON BUSHINGS ON ALL CONDUIT TERMINATIONS.

GENERAL DEMOLITION NOTES

1. GENERAL DEMOLITION NOTES APPLY TO ENTIRE DEMOLITION SET.
2. THE ELECTRICAL SERVICE TO REMAIN IN SERVICE DURING CONSTRUCTION. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES; NOTIFY OWNER PRIOR TO ANY OUTAGES AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
3. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
4. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
5. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
6. REMOVE, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
7. IT IS THE INTENTION OF THESE NOTES TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
8. COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
9. WHERE FEEDERS AND BRANCH CIRCUITS OR DEVICES AND EQUIPMENT ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY; CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
10. CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT IN OR ON WALLS THAT ARE TO BE REMOVED - MAINTAIN CONTINUITY OF ALL EXISTING BRANCH CIRCUITRY TO EXISTING ROOMS NOT BEING RENOVATED. REWIRE ALL EXISTING BRANCH CIRCUITS (THAT ARE TO REMAIN) AS REQUIRED. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR WALLS BEING REMOVED.
11. CONDUIT IN EXISTING OR NEW CEILINGS THAT IS NOT INTENDED FOR REUSE SHALL BE REMOVED BACK TO THE PANEL FROM WHICH IT ORIGINATES.
12. CONDUCTORS THAT ARE NOT DEEMED REUSABLE SHALL BE REMOVED BACK TO THE NEAREST JUNCTION BOX. WHERE THE ENTIRE CIRCUIT IS TO BE REMOVED, THE CONDUCTORS SHALL BE REMOVED BACK TO THE PANELBOARD FROM WHICH THEY ORIGINATE.
13. CONTRACTOR TO MAINTAIN CONTINUITY AND ACCESSIBILITY OF ALL EXISTING ELECTRICAL (POWER, LIGHTING, AND SIGNAL) SYSTEMS, EQUIPMENT FEEDERS AND BRANCH CIRCUITS ON FLOORS OR AREAS THAT ARE NOT AFFECTED BY DEMOLITION OR NEW CONSTRUCTION.
14. ANY EXISTING ELECTRICAL WORK WHICH IS PULLED OUT OR CUT AWAY SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE GENERAL CONTRACTOR AND THE OWNER.
15. EXISTING ELECTRICAL EQUIPMENTS WHICH IS NOT TO BE REUSED SHALL BE REMOVED FROM DRYWALL PARTITIONS. ANY OPENING IN EXISTING PARTITIONS LEFT BY REMOVAL OF EXISTING ELECTRICAL EQUIPMENT SHALL BE PATCHED BY THIS CONTRACTOR WITH MATERIALS TO MATCH EXISTING.
16. FOR PURPOSES OF THE CONTRACT, WHAT IS NOTED OR SHOWN ON DRAWINGS INDICATES THE SCOPE OF WORK REQUIRED AND QUALITY OF MATERIALS REQUIRED.
17. CONTRACTOR TO EXAMINE ALL CONTRACT DOCUMENTS AND PERFORM ALL DEMOLITION BOTH FOR AREAS BEING RENOVATED AND FOR AREAS WHICH MUST BE REWORKED TO PERMIT THE INSTALLATION OF WORK BY THE VARIOUS TRADES.
18. CONTRACTOR SHALL UTILIZE ALL THE BREAKERS IN THE EXISTING PANELS THAT BECOME AVAILABLE WHEN BRANCH CIRCUITS ASSOCIATED WITH THEM ARE DISCONNECTED AND REMOVED DUE TO DEMOLITION OF THE ELECTRICAL WORK. WHERE ADDITIONAL CIRCUITS ARE REQUIRED, UTILIZE NEXT AVAILABLE SPACE IN PANEL FOR NEW CIRCUIT BREAKERS AND CIRCUITS.
19. EXISTING ELECTRICAL PANELS TO REMAIN, UNLESS OTHERWISE NOTED. PROVIDE UPDATED TYPED PANEL DIRECTORIES FOR ALL EXISTING PANELS AFFECTED BY REMODEL WORK.
20. WHEN CEILINGS ARE REPLACED TO INSTALL NEW TILE AND/OR NEW LIGHT FIXTURES, THE EXISTING FIRE ALARM DEVICES, PA SPEAKERS, SECURITY SENSORS, SPRINKLER HEADS, ETC SHALL BE SUPPORTED, PROTECTED AND REPLACED IN NEW CEILING.
21. ALL EQUIPMENT AND WIRING NOT IN RENOVATED AREAS BUT AFFECTED BY WORK IN RENOVATED AREAS SHALL BE RECONNECTED AS NECESSARY FOR THE COMPLETE WORKING SYSTEM.
22. THE ELECTRICAL



1 OVERALL DEMO 1ST FLR PLAN - ELECTRICAL

SCALE: 1/16" = 1'-0"

DRAWING NOTES

1. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION SCOPE.
2. ALL ELECTRICAL PANELS ARE EXISTING AND SHOWN FOR REFERENCE.
3. TEMPORARY SUPPORT NOTE: SUPPORT ALL SYSTEMS THAT ARE TO REMAIN IN PLACE/OPERATION DURING CONSTRUCTION (PA, SECURITY, WAPS ETC) SECURELY TO THE STRUCTURE ABOVE AND NOT FROM ANY CEILINGS WHICH MAY HAVE BEEN LEFT IN PLACE ABOVE EXISTING EQUIPMENT. SUPPORT SHALL BE INDEPENDENT OF THE CEILING GRID SYSTEM.

NOTES BY SYMBOL

1. DEMO EXISTING RECEPTACLES IN WALLS BEING DEMOLISHED. REMOVE ASSOCIATED WIRING BACK TO NEAREST JBOX. MAINTAIN CONTINUITY OF EXISTING BRANCH CIRCUIT TO UNRENOVATED AREAS AS REQUIRED.
2. EXISTING ELECTRICAL CONNECTIONS FOR MECHANICAL UNIT TO BE REMOVED. DEMO EXISTING CONDUIT AND WIRING BACK TO SOURCE PANEL. COORDINATE WORK WITH MECHANICAL CONTRACTOR.

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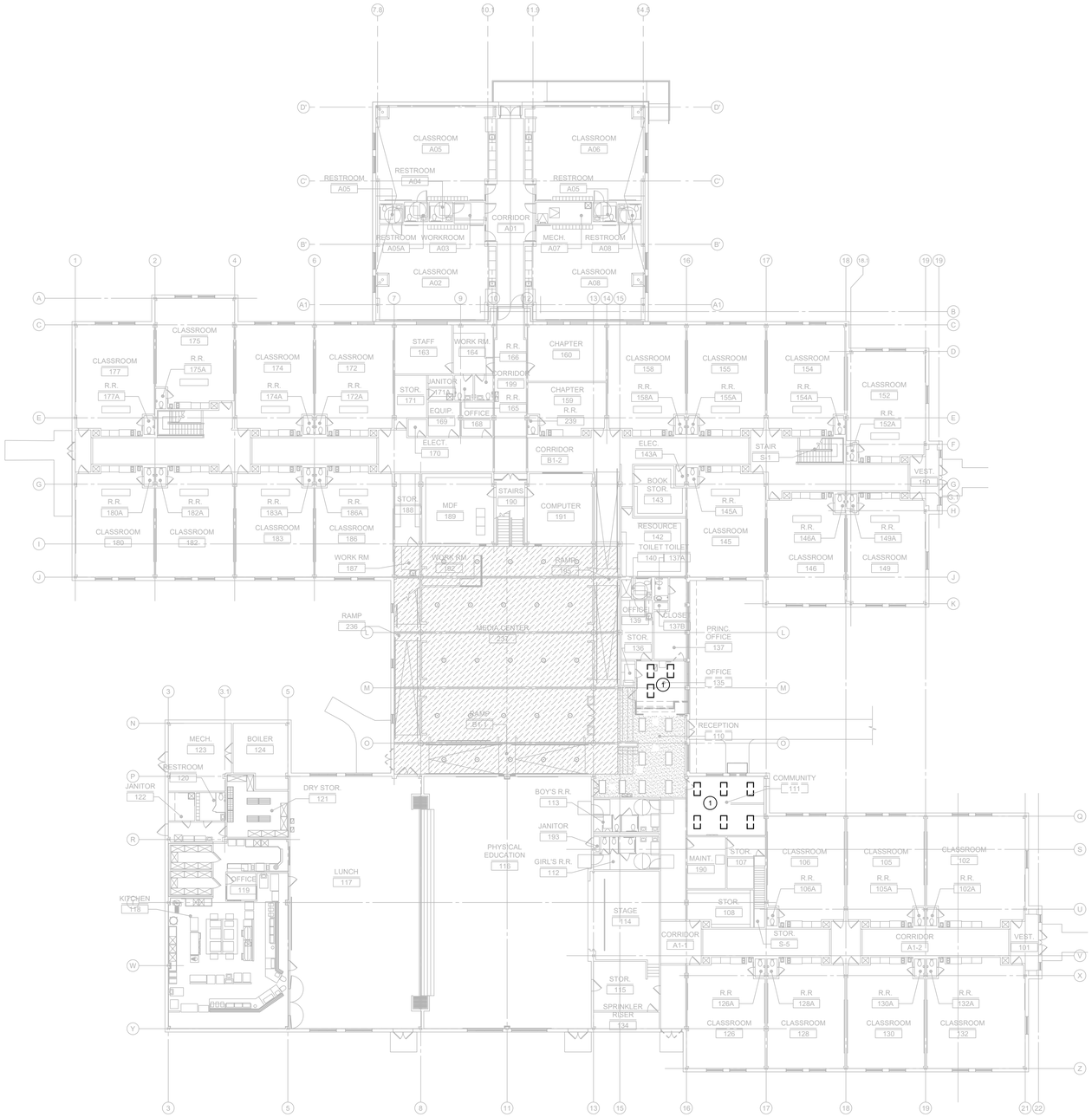
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OVERALL DEMO 1ST FLR PLAN - ELECTRICAL

JOB NO. **25016**

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ED1.11



1 OVERALL DEMO 1ST FLR PLAN - LIGHTING

SCALE: 1/16" = 1'-0"

DRAWING NOTES

1. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION SCOPE.
2. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE EQUIPMENT GROUNDING CONDUCTOR.
3. TEMPORARY SUPPORT NOTE: SUPPORT ALL SYSTEMS THAT ARE TO REMAIN IN PLACE/OPERATION DURING CONSTRUCTION (PA, SECURITY, WAPS ETC) SECURELY TO THE STRUCTURE ABOVE AND NOT FROM ANY CEILINGS WHICH MAY HAVE BEEN LEFT IN PLACE ABOVE EXISTING EQUIPMENT. SUPPORT SHALL BE INDEPENDENT OF THE CEILING GRID SYSTEM.

NOTES BY SYMBOL

1. DEMO EXISTING LIGHT FIXTURES AND CONTROLS IN THIS ROOM. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO NEAREST JUNCTION BOX. MAINTAIN CONTINUITY OF EXISTING BRANCH CIRCUIT TO UNRENOVATED AREAS AS REQUIRED. REFER TO E4.01 FOR NEW LIGHTING REQUIREMENTS.

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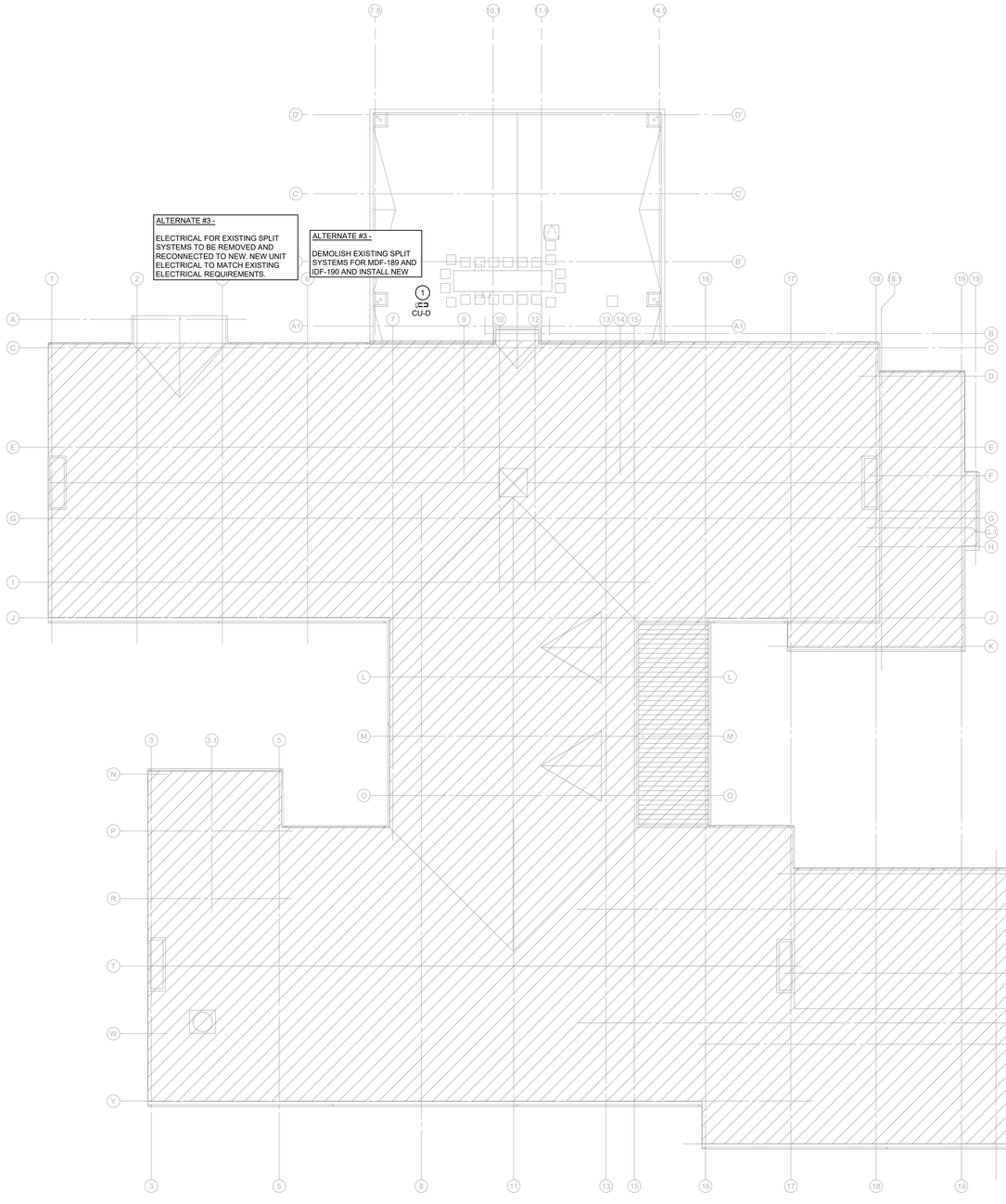
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1 OVERALL DEMO ROOF PLAN - ELECTRICAL

SCALE: 1/16" = 1'-0"

DRAWING NOTES

1. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION SCOPE.

NOTES BY SYMBOL

1. EXISTING DISCONNECT AND WIRING FOR MECHANICAL UNIT TO BE REMOVED. DEMO EXISTING WIRING BACK TO SOURCE. EXISTING CONDUIT MAY BE REUSED IF IN GOOD REPAIR. REFER TO E1.13 FOR NEW REQUIREMENTS.

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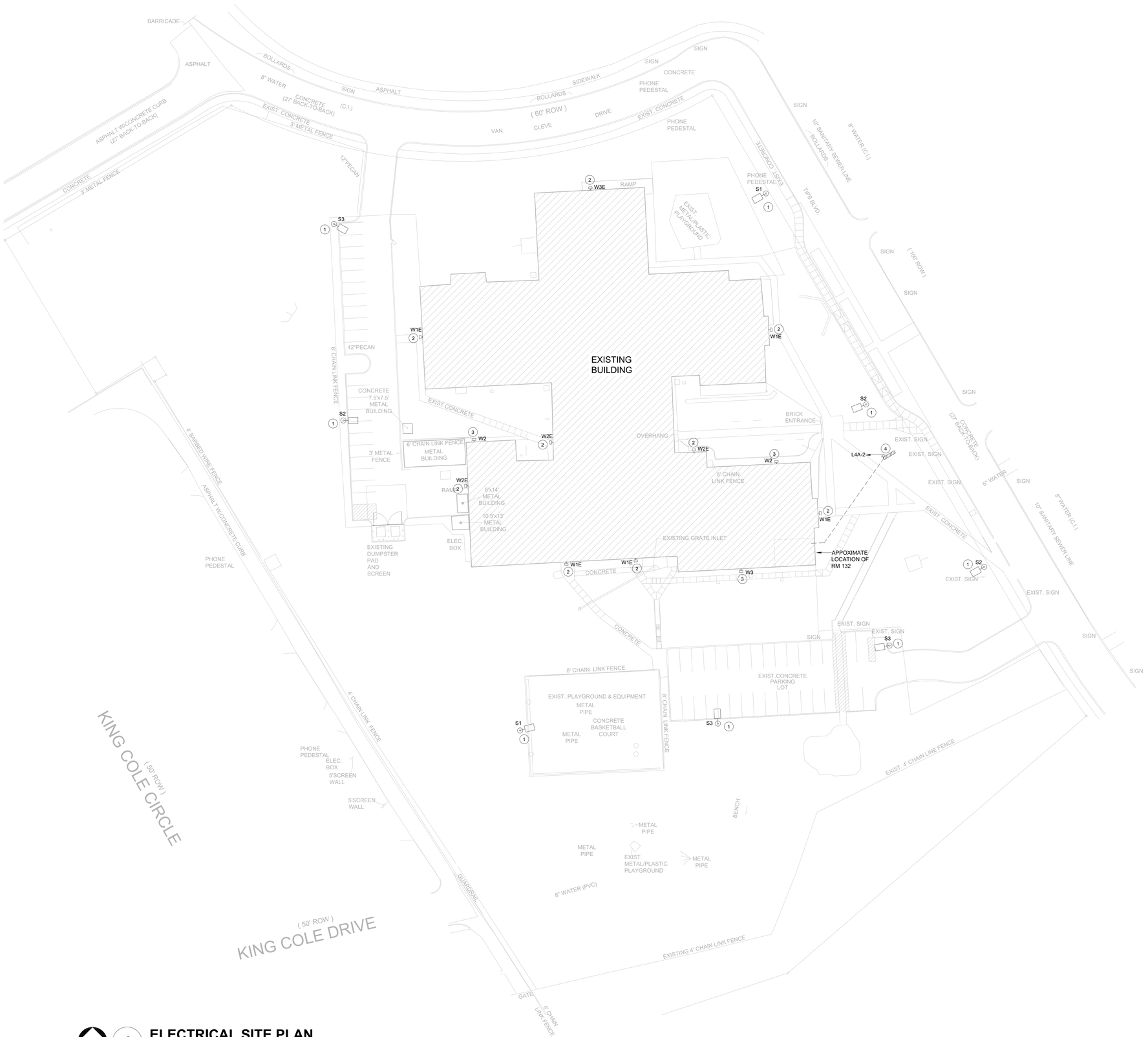
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OVERALL DEMO ROOF PLAN - ELECTRICAL

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ED1.13



1 ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

DRAWING NOTES

1. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF SITE SCOPE OF WORK.
2. REFER TO PHOTOMETRIC SITE PLAN FOR MOUNTING HEIGHT INFORMATION.

NOTES BY SYMBOL

1. EXISTING LED FIXTURE TO BE REPLACED WITH NEW. EXISTING POLE AND BASE TO REMAIN. PROVIDE NEW WIRING 2#10, #10G. IN EXISTING CONDUIT AND PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL. NEW CIRCUIT BREAKER TO MATCH EXISTING AIC RATING. POLE LIGHTS TO BE CONTROLLED VIA NEW INTEGRAL BI-LEVEL SENSOR FOR AUTOMATIC MOTION AND DIMMING CONTROLS. TRACE CIRCUITS BACK TO SOURCE PANEL AS REQUIRED TO COMPLETE THE WORK.
2. EXISTING WALL MOUNTED LIGHT TO BE REPLACED WITH NEW LED FIXTURE WITH INTEGRAL PHOTOCELL SENSOR FOR DUSK TO DAWN OPERATION. PROVIDE NEW WIRING 2#10, #10G. IN EXISTING CONDUIT AND NEW CIRCUIT BREAKER IN EXISTING PANEL. TRACE CIRCUITS BACK TO SOURCE PANEL AS REQUIRED TO COMPLETE THE WORK.
3. PROVIDE NEW WALL MOUNTED LIGHT MOUNTED AT 10' ABOVE FINISHED GRADE. CONNECT TO EXISTING EXTERIOR WALL LIGHT CIRCUIT AND TIMECLOCK. VERIFY ADDITIONAL LOAD DOES NOT EXCEED 16 AMPS. PROVIDE NEW 1P,20A CIRCUIT WITH 2#10, #10G, 3/4"C. IN NEAREST AVAILABLE PANEL IN EVENT CIRCUIT CAPACITY IS EXCEEDED.
4. EXISTING MARQUEE SIGN TO BE REPLACED WITH NEW. DISCONNECT ELECTRICAL FROM SHARED CIRCUIT 'LC-2' SERVING CLASSROOM 132. MAINTAIN CIRCUIT CONTINUITY TO UN-RENOVATED AREAS. PROVIDE A NEW 120V CIRCUIT IN WEATHERPROOF JUNCTION BOX AND WEATHER PROOF COVER, WITH 2#10, 1#10G, 1"C TO NEW MARQUEE SIGN, TO BE CONTROLLED V/A NEW 1-CHANNEL ASTRONOMIC 7-DAY DIGITAL TIMECLOCK FOR DUSK TO DAWN OPERATION. CIRCUIT AS INDICATED. REFER TO E4.01 FOR TIMECLOCK LOCATION.

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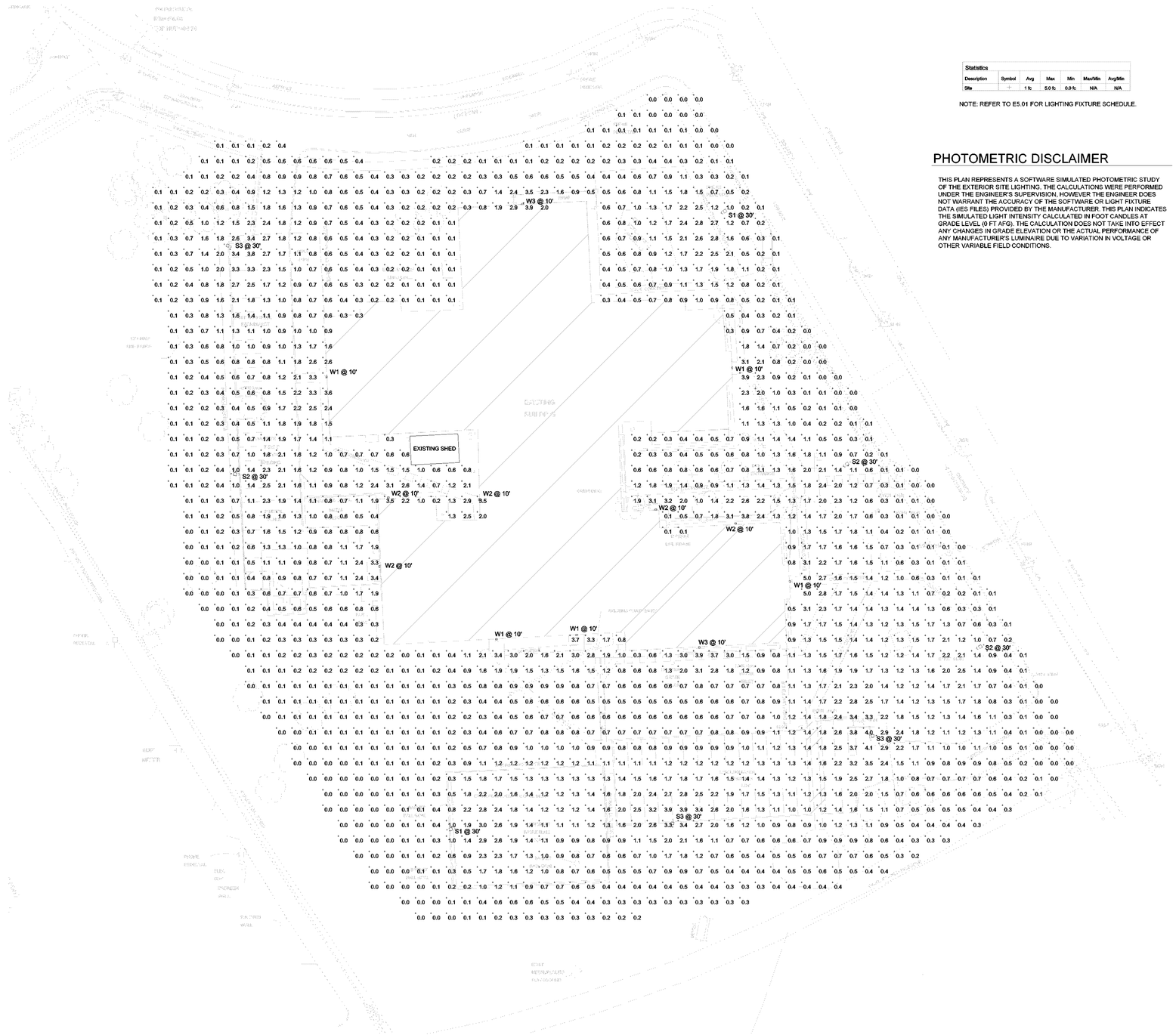
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ELECTRICAL SITE PLAN

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
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E0.01



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Site	+	1 fc	5.0 fc	0.0 fc	N/A	N/A

NOTE: REFER TO E5.01 FOR LIGHTING FIXTURE SCHEDULE.

PHOTOMETRIC DISCLAIMER

THIS PLAN REPRESENTS A SOFTWARE SIMULATED PHOTOMETRIC STUDY OF THE EXTERIOR SITE LIGHTING. THE CALCULATIONS WERE PERFORMED UNDER THE ENGINEER'S SUPERVISION, HOWEVER THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE SOFTWARE OR LIGHT FIXTURE DATA (IES FILES) PROVIDED BY THE MANUFACTURER. THIS PLAN INDICATES THE SIMULATED LIGHT INTENSITY CALCULATED IN FOOT CANDLES AT GRADE LEVEL (0 FT AFG). THE CALCULATION DOES NOT TAKE INTO EFFECT ANY CHANGES IN GRADE ELEVATION OR THE ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE DUE TO VARIATION IN VOLTAGE OR OTHER VARIABLE FIELD CONDITIONS.

1 ELECTRICAL SITE PLAN - PHOTOMETRICS

SCALE: 1" = 30'-0"

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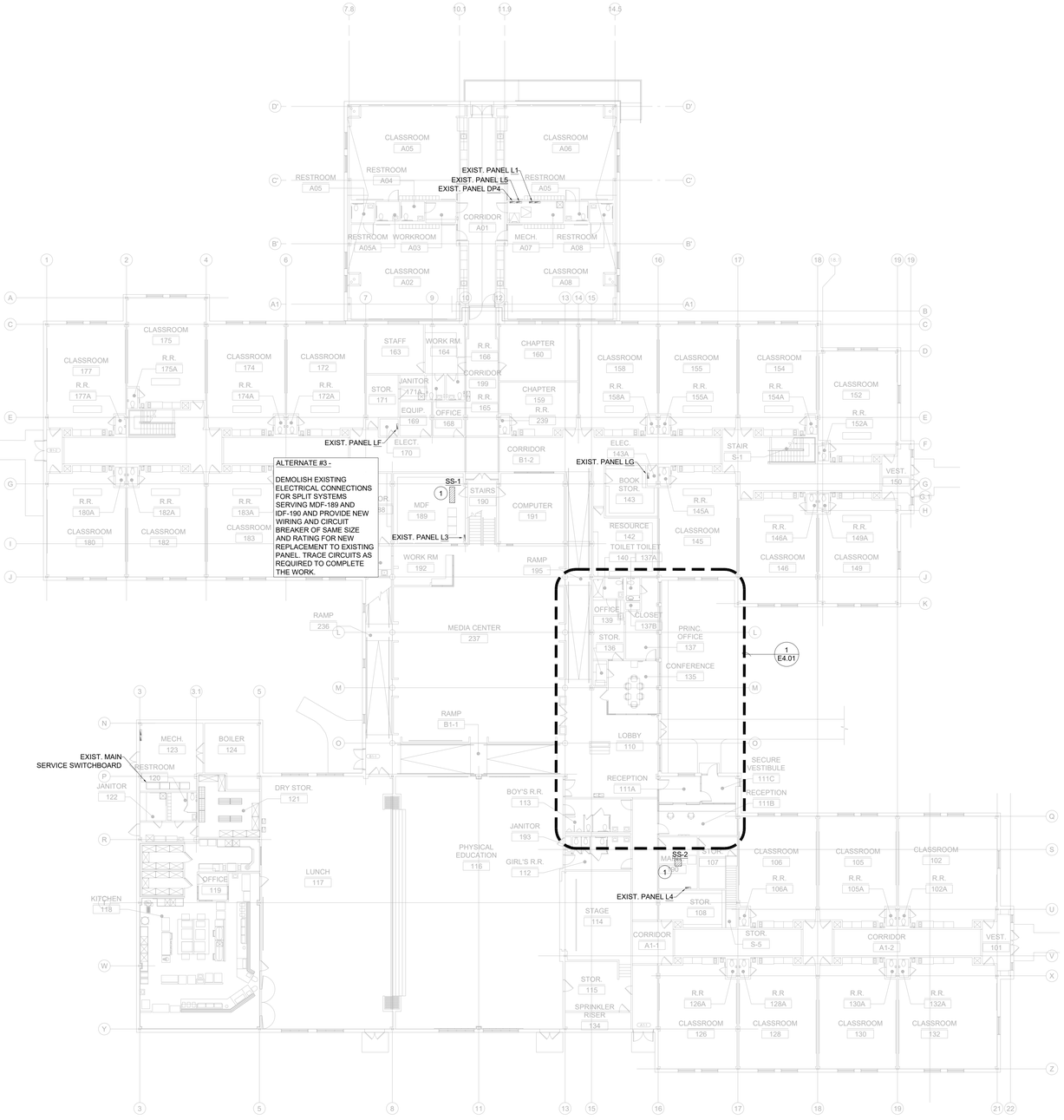
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ELECTRICAL SITE PLAN - PHOTOMETRICS

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
03.25.26	Bid Set	CE

E0.02



1 OVERALL 1ST FLR PLAN - ELECTRICAL

SCALE: 1/16" = 1'-0"

DRAWING NOTES

1. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE EQUIPMENT GROUNDING CONDUCTOR.
2. ALL ELECTRICAL PANELS ARE EXISTING AND SHOWN FOR REFERENCE.

NOTES BY SYMBOL

1. NEW INDOOR UNIT TO BE POWERED FROM OUT DOOR UNIT. PROVIDE 2#10, 1#10G, 3/4"C FROM OUTDOOR UNIT TO INDOOR UNIT. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR EXACT LOCATION AND REQUIREMENTS.

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972 • 331 • 5699

COUNSEL
MEP Engineering Services
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CE #25040-02

STATE OF TEXAS
EDWARD S. HAN
124675
LICENSED
PROFESSIONAL ENGINEER
03/25/2026

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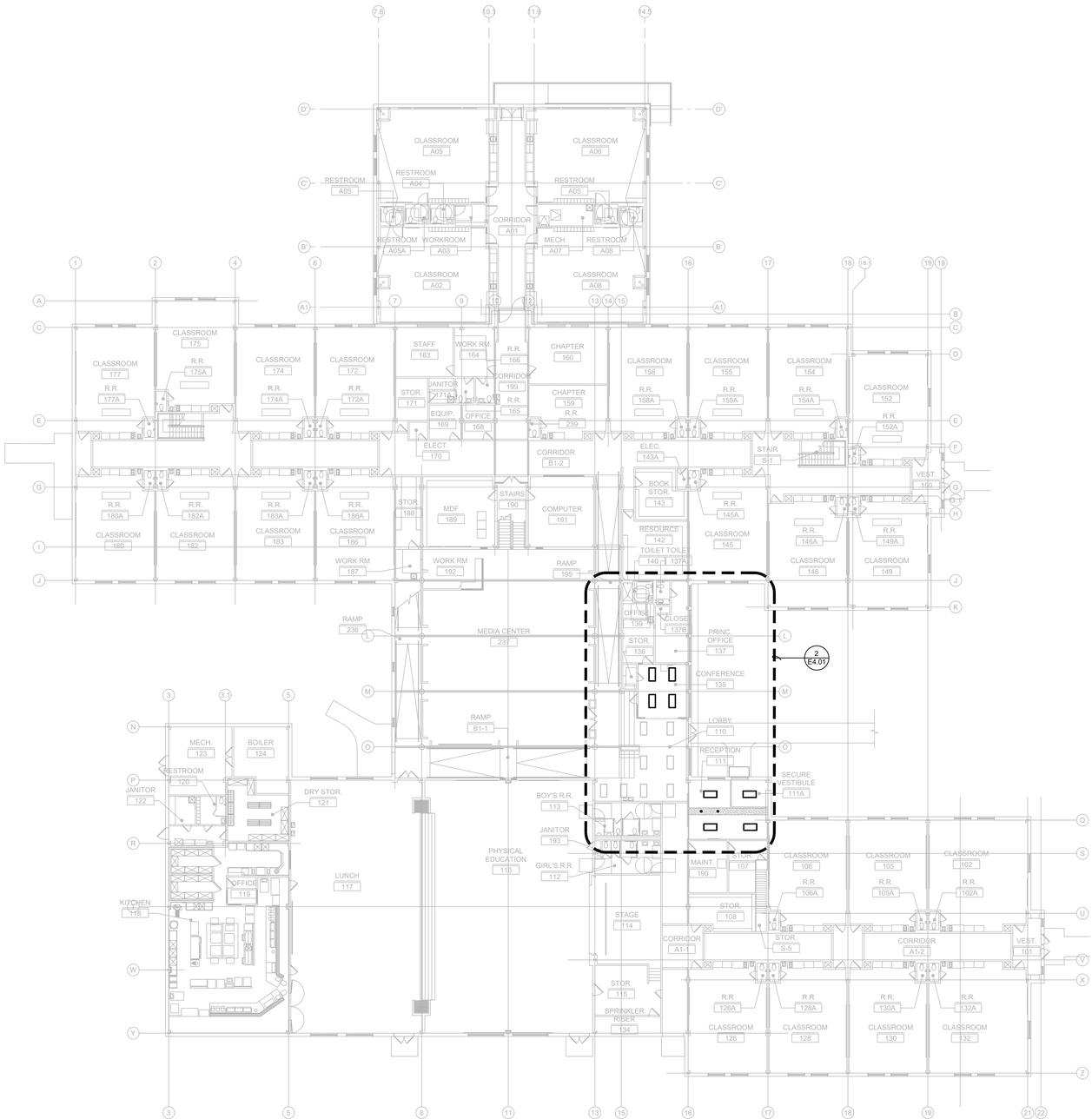
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OVERALL 1ST FLR PLAN - ELECTRICAL

JOB NO. **25016**

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E1.11



1 OVERALL 1ST FLR PLAN - LIGHTING

SCALE: 1/16" = 1'-0"

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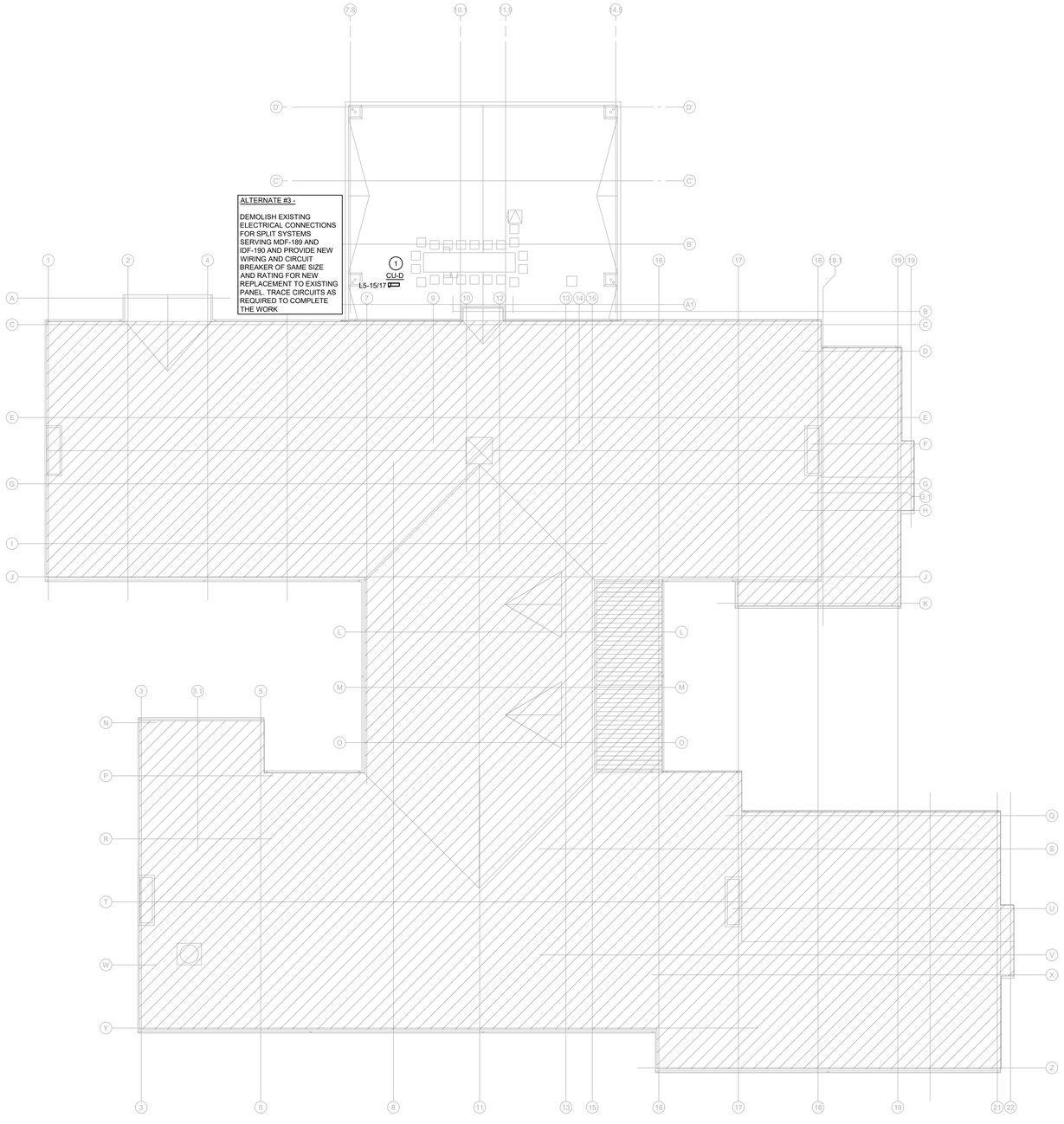
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OVERALL 1ST FLR PLAN - LIGHTING

JOB NO. **25016**

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E1.12



1 OVERALL ROOF PLAN - ELECTRICAL

SCALE: 1/16" = 1'-0"

DRAWING NOTES

1. ALL BRANCH CIRCUITS SHALL HAVE SEPARATE EQUIPMENT GROUNDING CONDUCTOR.
2. ALL ELECTRICAL PANELS ARE EXISTING AND SHOWN FOR REFERENCE.

NOTES BY SYMBOL

1. PROVIDE NEW 30/2/NF/(3R) DISCONNECT, NEW 25A/3P CIRCUIT BREAKER AND 2#10, 1#10G, 3/4"C. FOR NEW CONDENSING UNIT 'CU-1'. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL. NEW CIRCUIT BREAKER TO MATCH EXISTING AIC RATING. CONTRACTOR TO FIELD VERIFY EXACT CIRCUIT.

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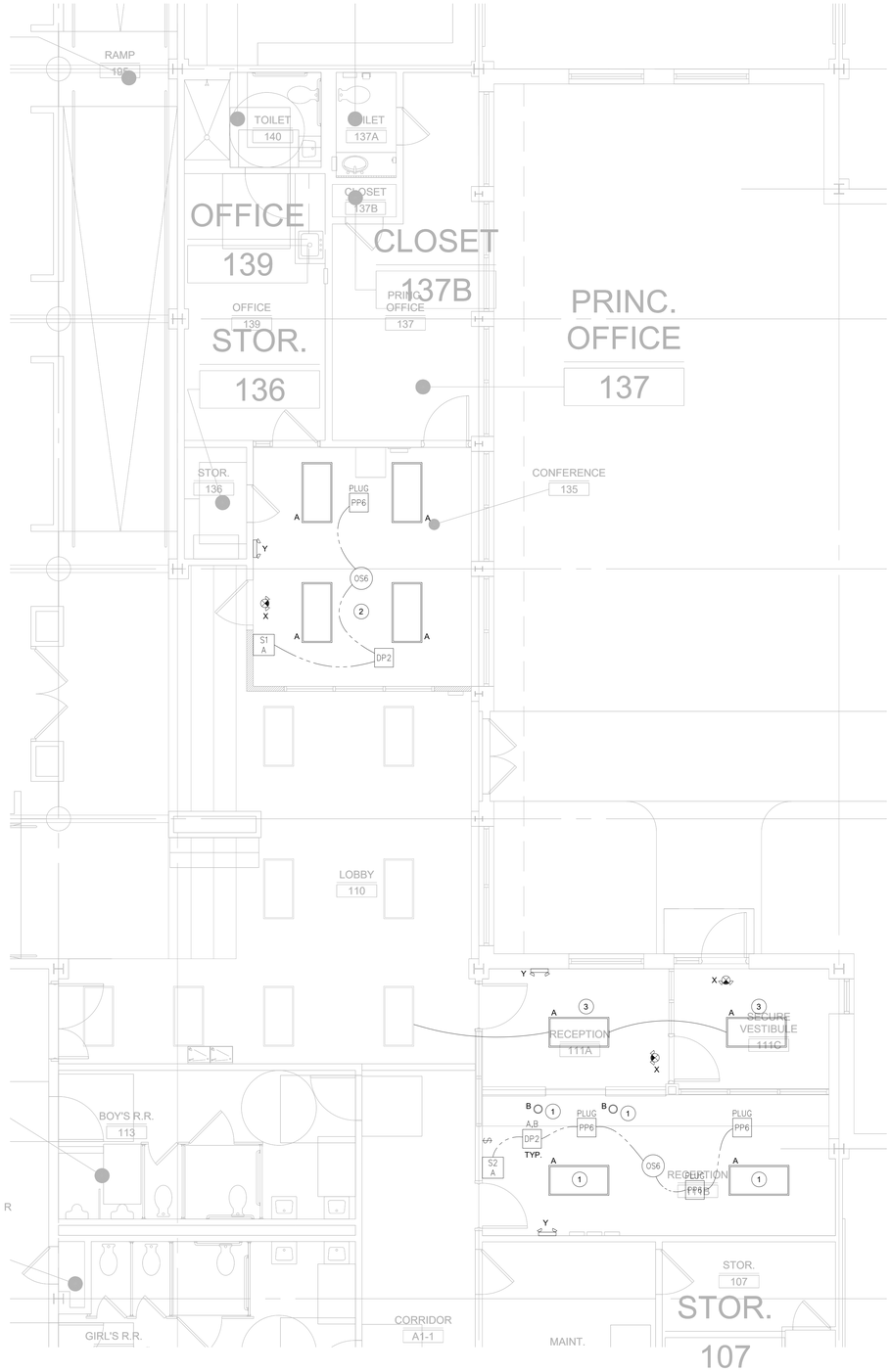
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OVERALL ROOF PLAN - ELECTRICAL

JOB NO. **25016**

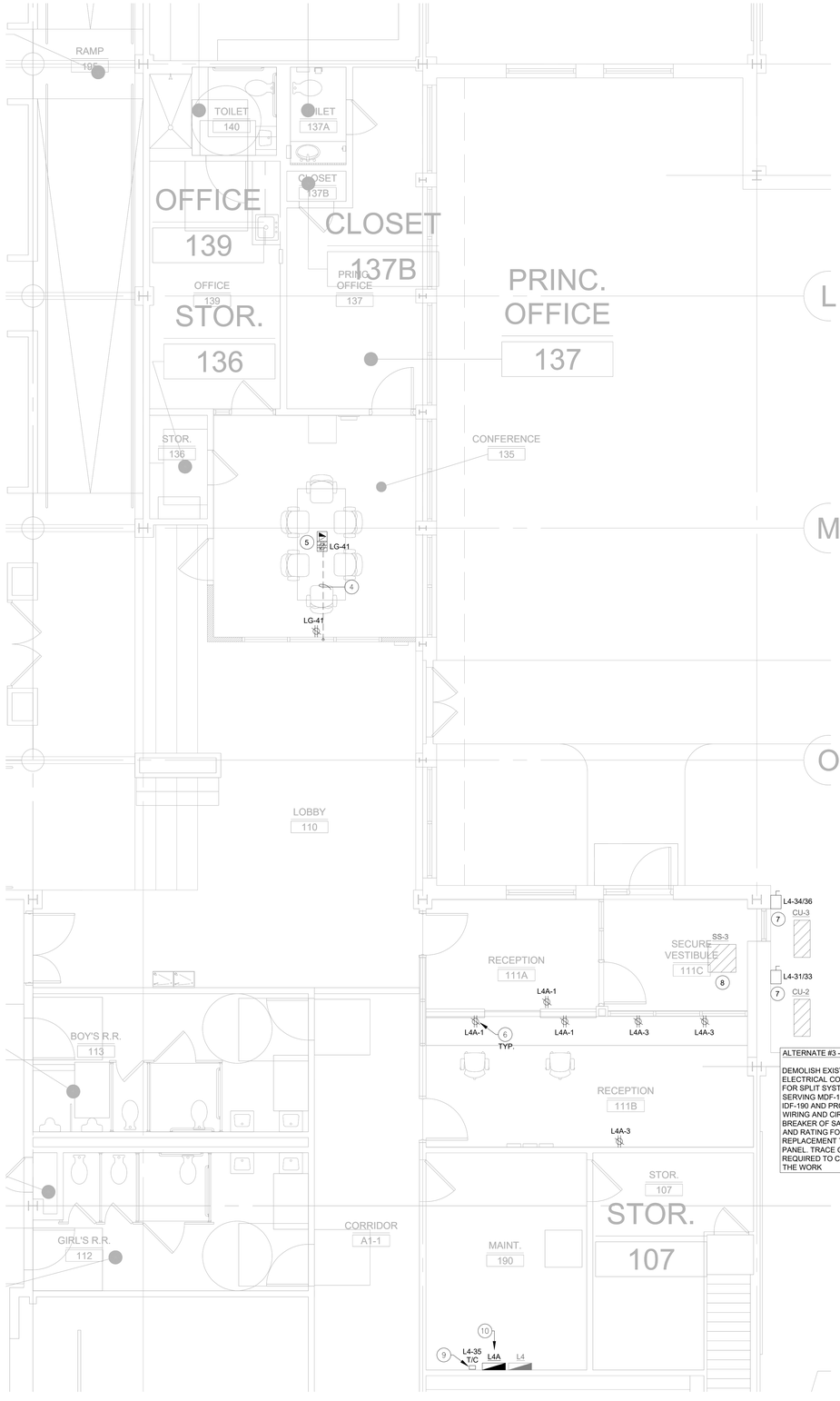
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E1.13



2 ENLARGED PLAN - LIGHTING

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



1 ENLARGED PLAN - POWER

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

DRAWING NOTES

1. REFER TO SHEET T4.01 FOR ADDITIONAL INFORMATION REGARDING LOW VOLTAGE DEVICES AND SECURITY.

NOTES BY SYMBOL

1. CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT SERVING THIS ROOM. PROVIDE NEW LIGHTING CONTROLS AS INDICATED.
2. NEW AND EXISTING LIGHT FIXURES TO BE INSTALLED IN NEW CEILING AND CONNECTED TO EXISTING LIGHTING CIRCUIT SERVING THIS ROOM. PROVIDE NEW LIGHTING CONTROLS AS INDICATED.
3. CONNECT NEW LIGHTS TO EXISTING LIGHTING CIRCUIT AND CONTROLS SERVING LOBBY.
4. SAWCUT SLAB FOR POWER AND COMMUNICATION REQUIREMENTS AT TABLE. ROUTE (1) 3/4" AND (1) 1-1/4" CONDUIT TO WALL AND UP TO NEAREST ACCESSIBLE CEILING. PATCH FLOOR AS REQUIRED TO ACCOMMODATE NEW FINISH. COORDINATE STUB UP LOCATION WITH ARCHITECT AND MILLWORK VENDOR.
5. PROVIDE A RECESSED FLOOR BOX WITH (2) 20A RECEPTACLES AND PROVISIONS FOR DATA DEVICES AS REQUIRED BY DISTRICT - WIREMOLD RFB6E (OR EQUAL). CIRCUIT AS INDICATED. (1) OF THE DUPLEX OUTLETS SHALL BE A CONTROLLED RECEPTACLE, LEVITON #TBR-20S1 (OR EQUAL) AND BE CONTROLLED VIA OCCUPANCY SENSOR IN THIS AREA. REFER TO LIGHTING PLANS FOR PLUG LOAD CONTROL POWER PACK REQUIREMENTS.PROVIDE A RECESSED FLOOR BOX WITH (2) 20A RECEPTACLES AND PROVISIONS FOR DATA OUTLETS AS REQUIRED - WIREMOLD RFB6E (OR EQUAL), CIRCUIT AS INDICATED. (1) OF THE DUPLEX OUTLETS SHALL BE A CONTROLLED RECEPTACLE, LEVITON #TBR-20S2 (OR EQUAL) AND BE CONTROLLED VIA OCCUPANCY SENSOR IN THIS AREA. REFER TO LIGHTING PLANS FOR PLUG LOAD CONTROL POWER PACK REQUIREMENTS.
6. PROVIDE SPLIT CIRCUIT MARKED 'CONTROLLED' RECEPTACLE, LEVITON #TBR-20S1 (OR EQUAL), OUTLET MARKED "CONTROLLED" SHALL BE CONTROLLED VIA OCCUPANCY SENSOR CONTROLLING LIGHTING IN SAME ROOM/AREA. CIRCUIT AS INDICATED. REFER TO LIGHTING PLANS FOR PLUG LOAD CONTROL POWER PACK REQUIREMENTS.
7. PROVIDE 30/2/NF/3R DISCONNECT, 2#10, 1#10G, 3/4"C. FOR POWER TO CONDENSING UNIT. COORDINATE WITH MECHANICAL FOR EXACT LOCATION AND REQUIREMENTS.
8. NEW INDOOR UNIT TO BE POWERED FROM OUT DOOR UNIT. PROVIDE 2#12, 1#12G, 3/4"C FROM OUTDOOR UNIT TO INDOOR UNIT. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR EXACT LOCATION AND REQUIREMENTS.
9. PROVIDE NEW 2-CHANNEL ASTRONOMIC TIMECLOCK TORK DZS200 SERIES (OR EQUAL) FOR CONTROL OF NEW EXTERIOR MARQUEE SIGN. COORDINATE EXACT LOCATION WITH DISD REPRESENTATIVE PRIOR TO INSTALLATION.
10. NEW 208Y/120V, 60A MCB SUB-PANEL, MAINTAIN NEC REQUIRED WORKING CLEARANCES, FIELD VERIFY EXACT LOCATION. REFER TO E5.00 FOR FEEDER INFORMATION. CONTRACTOR TO METER EXISTING PANEL L4 TO VERIFY NEW LOADS WILL NOT EXCEED CAPACITY OF PANEL.

ALTERNATE #3 -

DEMOLISH EXISTING ELECTRICAL CONNECTIONS FOR SPLIT SYSTEMS SERVING MDF-189 AND IDF-190 AND PROVIDE NEW WIRING AND CIRCUIT BREAKER OF SAME SIZE AND RATING FOR NEW REPLACEMENT TO EXISTING PANEL. TRACE CIRCUITS AS REQUIRED TO COMPLETE THE WORK

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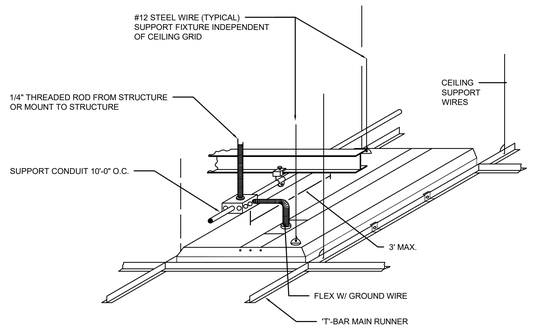
ENLARGED PLANS

JOB NO. **25016**

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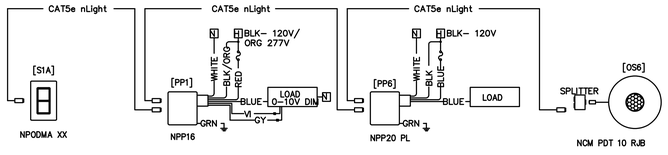
E4.01

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2 LAY-IN 2X4 LED FIXTURE DETAIL

NONE



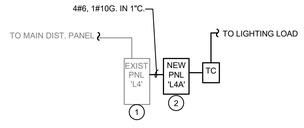
NOTE: WIRING SCHEMATIC IS DIAGRAMMATIC AND IS SHOWN FOR REFERENCE PURPOSES. REFER TO LIGHTING PLAN FOR EXACT TYPE AND QUANTITIES. REFERENCE MANUFACTURER DIAGRAMS FOR EXACT REQUIREMENTS.

3 TYPICAL ROOM CONTROL DIAGRAM

NONE

NOTES BY SYMBOL

1. PROVIDE NEW 60A/3P CIRCUIT BREAKER IN EXISTING 225 AMP 208Y/120V, 3-PHASE PANEL L4. NEW CIRCUIT BREAKER TO MATCH EXISTING RATING AND TYPE.
2. NEW 100A MLO, 208Y/120V, 3-PHASE PANEL L4A FED FROM EXISTING PANEL L4.



GRADE

1 PARTIAL ELECTRICAL RISER DIAGRAM

NONE

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ELECTRICAL RISER AND DETAILS

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
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E5.00

EXISTING PANELBOARD SCHEDULE

PANEL LOCATION:
MOUNTING/NEMA TYPE: SURFACE - NEMA 1
INTERRUPTING RATING (AIC): 22,000

LG

MAIN SIZE & TYPE: **225 A MLO**
VOLTAGE: 120/208/3PH

CKT	T	SERVES	AMPS / POLES	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	AMPS / POLES	SERVES	T	CKT
1	R	EXISTING	20/1	720	1440			720	20/1	EXISTING	R	2
3	R	EXISTING	20/1	720		1440		720	20/1	EXISTING	R	4
5	R	EXISTING	20/1	720			1440	720	20/1	EXISTING	R	6
7	R	EXISTING	20/1	720	1440			720	20/1	EXISTING	R	8
9	R	EXISTING	20/1	720		1440		720	20/1	EXISTING	R	10
11	R	EXISTING	20/1	720			1440	720	20/1	EXISTING	R	12
13	R	EXISTING	20/1	720	1440			900	20/1	EXISTING	R	14
15	R	EXISTING	20/1	720		1620		900	20/1	EXISTING	L	16
17	L	EXISTING	20/1	900			1800	900	20/1	EXISTING	L	18
19	L	EXISTING	20/1	900	1800			900	20/1	EXISTING	L	20
21	L	EXISTING	20/1	900		1800		900	20/1	EXISTING	L	22
23	L	EXISTING	20/1	900			1800	900	20/1	EXISTING	L	24
25	L	EXISTING	20/1	900	1800			900	20/1	EXISTING	L	26
27	L	EXISTING	20/1	900		1620		720	20/1	EXISTING	R	28
29	R	EXISTING	20/1	720			1440	720	20/1	EXISTING	R	30
31	R	EXISTING	20/1	720	1440			720	20/1	EXISTING	R	32
33	R	EXISTING	20/1	720		1440		720	20/1	EXISTING	R	34
35	R	EXISTING	20/1	720			1440	720	30/1	EXISTING	R	36
37	C	EXISTING	30/2	1997	3994			1997	30/2	EXISTING	C	38
39	C	--	--	1997		3994		1997	--	--	C	40
41	R	REC - CONFERENCE	20/1	540			540			SPACE		42
				TOTAL	13354	13354	9900					

REMARKS:

CATEGORY	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING (L)	10.8	30.0	1.00	10.8	30.0
RECEPT. (R)	17.8	49.5	NEC	13.9	38.6
MOTORS (M)			1.00		
COOLING (C)	8.0	22.2	1.00	8.0	22.2
HEATING (H)			1.00		
KITCHEN (K)			0.65		
GENERAL (G)			1.00		
LARGEST MOTOR			0.25		
TOTAL		**37**	**102**		**33**	**91**

EXISTING PANELBOARD SCHEDULE

PANEL LOCATION:
MOUNTING/NEMA TYPE: SURFACE - NEMA 1
INTERRUPTING RATING (AIC): 22,000

L4

MAIN SIZE & TYPE: **225 A MLO**
VOLTAGE: 120/208/3PH

CKT	T	SERVES	AMPS / POLES	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	AMPS / POLES	SERVES	T	CKT
1	R	EXISTING	20/1	720	1440			720	20/1	EXISTING	R	2
3	R	EXISTING	20/1	720		1440		720	30/2	EXISTING	R	4
5	R	EXISTING	20/1	720			1440	720	--	--	R	6
7	R	EXISTING	20/1	720	1440			720	20/2	EXISTING	R	8
9	R	EXISTING	20/1	720		1440		720	--	--	R	10
11	R	EXISTING	20/1	720			1440	720	20/1	EXISTING	R	12
13	R	EXISTING	20/1	720	1440			720	20/1	EXISTING	R	14
15	R	EXISTING	20/1	720		1440		720	20/1	EXISTING	R	16
17	R	EXISTING	20/1	720			1440	720	20/1	EXISTING	R	18
19	R	EXISTING	20/1	720	1440			720	20/1	EXISTING	R	20
21	R	EXISTING	20/1	720		1440		720	20/1	EXISTING	R	22
23	R	EXISTING	20/1				720	720	20/1	EXISTING	R	24
25	R	EXISTING	20/1		720			720	20/1	EXISTING	R	26
27	R	EXISTING	20/1			720		720	20/1	EXISTING	R	28
29	R	EXISTING	20/1				720	720	20/1	EXISTING	R	30
31	C	CU-2	30/2	1331	2051			720	20/1	EXISTING	R	32
33	C	--	--	1331		2329		998	20/3	CU-3	C	34
35	G	TIMECLOCK	20/1	180			1178	998	--	--	C	36
37	G	EXISTING	60/3	4608	5648			1040	60/3	PANEL L4A		38
39	G	--	--	4608		5448		840	--	--		40
41	G	--	--	4608			4608		--	--		42
				SUBTOTAL	14179	14257	11546					
				SUBFEED PANEL L4A	1040	840						
				TOTAL	15219	15097	11546					

REMARKS:

CATEGORY	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING (L)	0.5	1.4	1.00	0.5	1.4
RECEPT. (R)	20.5	57.0	NEC	15.3	42.4
MOTORS (M)			1.00		
COOLING (C)	4.7	12.9	1.00	4.7	12.9
HEATING (H)			1.00		
KITCHEN (K)			0.65		
GENERAL (G)	14.3	39.7	1.00	14.3	39.7
LARGEST MOTOR			0.25		
TOTAL		**40**	**111**		**35**	**96**

PANELBOARD SCHEDULE

PANEL LOCATION:
MOUNTING/NEMA TYPE: SURFACE - NEMA 1
INTERRUPTING RATING (AIC): 10,000

L4A

MAIN SIZE & TYPE: **100 A MLO**
VOLTAGE: 120/208/3PH

CKT	T	SERVES	AMPS / POLES	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	AMPS / POLES	SERVES	T	CKT
1	R	REC - RECEPTION	20/1	540	1040			500	20/1	NEW MARQUEE SIGN	L	2
3	R	REC - RECEPTION	20/1	540		840		300	20/1	BIO-CLOCK	G	4
5		SPARE	20/1									6
7		SPARE	20/1									8
9		SPARE	20/1									10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
				TOTAL	1040	840						

REMARKS: NEW SUB-PANEL. MATCH MANUFACTURER AND AIC RATING OF EXISTING PANEL.

CATEGORY	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING (L)	0.5	1.4	1.00	0.5	1.4
RECEPT. (R)	1.1	3.0	NEC	1.1	3.0
MOTORS (M)			1.00		
COOLING (C)			1.00		
HEATING (H)			1.00		
KITCHEN (K)			0.65		
GENERAL (G)	0.3	0.8	1.00	0.3	0.8
LARGEST MOTOR			0.25		
TOTAL	**2**	**5**		**2**	**5**

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER & CAT. NO.	LAMPING LUMENS CCT / CRI	VOLTS	REMARKS	INPUT WATTS
A	2' X 4' LED TROFFER	LITHONIA: 2GTL 4 48L GZ10 LP840	LED 4800 LM 40K /80	UNIV		36
B / BE	6" LED DOWNLIGHT. (E) SUFFIX = PROVIDE WITH EMERGENCY BATTERY BACKUP.	LITHONIA: LDN6 40/15 L06AR LSS MVOLT GZ10 (E10WCP)	LED 1500 LM 40K /80	UNIV	CONFIRM TRIM TYPE WITH ARCHITECT	18
W1/ W1E	ARCHITECTURAL LED WALL SCONCE WITH FULL CUTOFF. (E) SUFFIX = PROVIDE WITH EMERGENCY BATTERY BACKUP.	LITHONIA: WDGE2 LED P3 40K 80CRI T4M MVOLT SRM (E10WH) PIR1FC3V DDBXD	LED 3100 LM 40K /80	UNIV	CONFIRM FINISH AND LOCATION WITH ARCHITECT	19
W2/ W2E	ARCHITECTURAL LED WALL SCONCE WITH FULL CUTOFF. (E) SUFFIX = PROVIDE WITH EMERGENCY BATTERY BACKUP.	LITHONIA: WDGE2 LED P3 40K 80CRI TFTM MVOLT SRM (E10WH) PIR1FC3V DDBXD	LED 3100 LM 40K /80	UNIV	CONFIRM FINISH AND LOCATION WITH ARCHITECT	32
W3/ W3E	ARCHITECTURAL LED WALL SCONCE WITH FULL CUTOFF. (E) SUFFIX = PROVIDE WITH EMERGENCY BATTERY BACKUP.	LITHONIA: WDGE2 LED P3 40K 80CRI T2M MVOLT SRM (E10WH) PIR1FC3V DDBXD	LED 3100 LM 40K /80	UNIV	CONFIRM FINISH AND LOCATION WITH ARCHITECT	32
S1	POLE LIGHT WITH INTEGRAL OCCPANCY AND DIMMING SENSOR CONTROL AND HOUSE SHIELD. TYPE 4 SHORT DIST.,	LITHONIA: RSX2 LED P4 40K R4S MVOLT RPA HS NLTAIR2 PIRHN DDBXD	LED 17137 LM 40K /80	UNIV	CONFIRM FINISH WITH ARCHITECT/OWNER	189
S2	POLE LIGHT WITH INTEGRAL OCCPANCY AND DIMMING SENSOR CONTROL AND HOUSE SHIELD. TYPE 3 DIST.	LITHONIA: RSX2 LED P4 40K R3 MVOLT RPA HS NLTAIR2 PIRHN DDBXD	LED 17137 LM 40K /80	UNIV	CONFIRM FINISH WITH ARCHITECT/OWNER	189
S3	POLE LIGHT WITH INTEGRAL OCCPANCY AND DIMMING SENSOR CONTROL. TYPE 3 DIST.	LITHONIA: RSX2 LED P4 40K R3 MVOLT RPA NLTAIR2 PIRHN DDBXD	LED 25000 LM 40K /80	UNIV	CONFIRM FINISH WITH ARCHITECT/OWNER	189
X	LED EXIT/EMERGENCY COMBO WITH 90 MINUTE BATTERY BACKUP	LITHONIA: ECRG SQ M6	INTEGRAL LED	UNIV		3
Y	LED EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP	LITHONIA: EU2C SD	INTEGRAL LED	UNIV		3

NOTES
1. FURNISH AND INSTALL ALL MATERIALS, ACCESSORIES AND OTHER EQUIPMENT NECESSARY FOR THE COMPLETE AND PROPER INSTALLATION OF ALL LIGHTING FIXTURES INCLUDED IN THIS CONTRACT. PROVIDE ALL NECESSARY ACCESSORIES AS NECESSARY TO PROVIDE A COMPLETE LIGHTING SYSTEM.

2. SPECIFICATIONS AND DRAWINGS ARE INTENDED TO CONVEY THE FEATURES, FUNCTION AND CHARACTER OF THE FIXTURES ONLY, AND DO NOT UNDERTAKE TO SPECIFY EVERY ITEM OR DETAIL NECESSARY. MINOR DETAILS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE LIGHTING SYSTEM NOT INDICATED ON THE DRAWINGS NOR SPECIFIED SHALL BE PROVIDED AS IF THEY WERE SPECIFIED HERE OR INDICATED ON THE DRAWINGS.

3. FIXTURES SUBSTITUTIONS (FROM MANUFACTURERS OTHER THAN THOSE LISTED) SHALL BE EQUAL IN ALL RESPECTS OF PERFORMANCE, QUALITY OF CONSTRUCTION, SUITABILITY TO PROJECT CONDITIONS AND APPEARANCE OF THE SPECIFIED FIXTURE. SUBSTITUTIONS SHALL BE SUBMITTED FOR APPROVAL IN THE FORM OF CATALOG CUTS OR DETAIL DRAWINGS.

4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LIGHTING FIXTURE INSTALLATION WITH THE DETAILS OF THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL AND OTHER RELATED TRADES TO ASSURE AN EFFICIENT INSTALLATION.

5. INSTALL EACH FIXTURE PROPERLY AND SAFELY. PROVIDE NECESSARY STRUCTURAL SUPPORTS WHERE REQUIRED FOR THE SAFE ATTACHMENT OF ALL LIGHTING FIXTURES. FURNISH AND ERECT HANGERS, RODS, MOUNTING BRACKETS, SUPPORTS AND OTHER EQUIPMENT REQUIRED. COORDINATE CONDUIT ENTRY LOCATIONS WITH FIXTURE MANUFACTURERS PRIOR TO ROUGHING. ALL LIGHTING FIXTURES ARE TO BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE BY MEANS OF JACK CHAIN, THREADED ROD OR OTHER ENGINEER APPROVED METHODS.

6. INSTALL PENDANT LIGHTING FIXTURES PLUMB AND TRUE, AT THE HEIGHT FROM THE FLOOR SPECIFIED ON THE DRAWINGS. IN CASES WHERE CONDITIONS MAKE THIS IMPRACTICAL, REFER TO THE ARCHITECT FOR A DECISION. USE BALL ALIGNERS AND CANOPIES ON PENDANT FIXTURES UNLESS NOTED OTHERWISE. RIGIDLY ALIGN CONTINUOUS ROWS OF LIGHTING FIXTURES FOR TRUE IN-LINE APPEARANCE. SUPPORT ALL LIGHTING FIXTURES INDEPENDENTLY OF DUCT WORK OR PIPING. WHENEVER A FIXTURE OR ITS HANGER CANOPY IS APPLIED TO A SURFACE MOUNTED OUTLET BOX, PROVIDE A FINISHING RING TO CONCEAL THE OUTLET BOX.

7. EFFECTIVELY PROTECT ALL LIGHTING EQUIPMENT AGAINST DAMAGE FROM THE TIME OF FABRICATION TO FINAL ACCEPTANCE OF THE WORK. INSTALL REFLECTOR CONES, BAFFLES, APERTURE PLATES, LIGHT CONTROLLING ELEMENT FOR AIR HANDLING FIXTURES, AND DECORATIVE ELEMENTS AFTER COMPLETION OF CEILING TILES, PAINTING AND GENERAL CLEANUP. REPLACE BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES AS DIRECTED.

LIGHTING CONTROL LEGEND

PP1	NPP16 EFP SA Power/Relay Pack, External Fault Protection, Vacancy (Default) or Auto-On
DP2	NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
OS6	NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
PP6	NPP20 PL BP Plug Load, Bus power
S1A	NPODMA DX XX nLight Wired Aesthetic Wallpod, Raise/Lower Dimming Without Wires
S2A	NPODMA 2P DX XX nLight Wired Aesthetic Wallpod, 2-Pole, Raise/Lower Dimming Without Wires

WIRE LEGEND FLOOR PLAN

——---——	CAT5e nLight Pre-terminated CAT5e cable for nLight communication network

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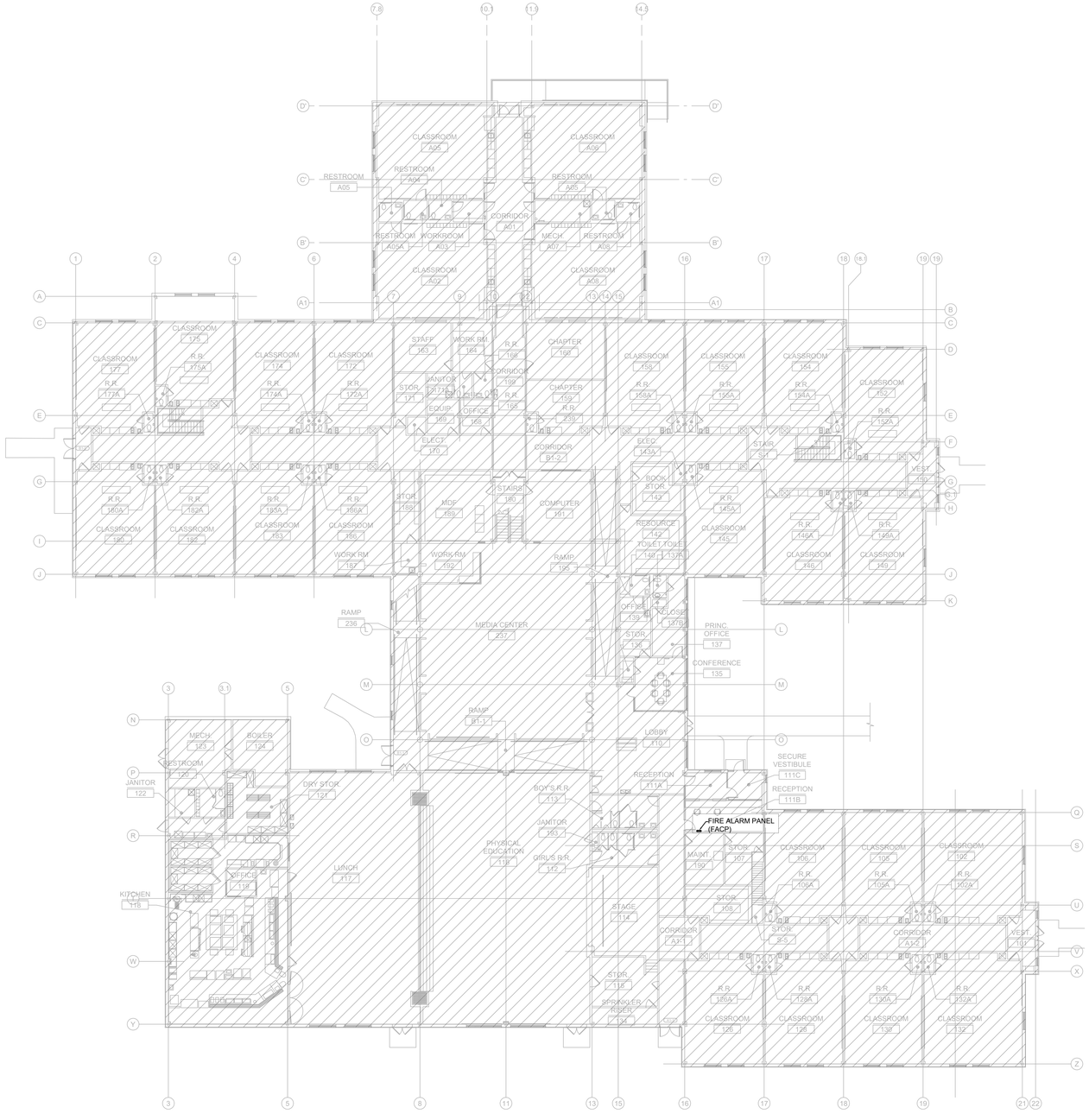
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ELECTRICAL SCHEDULES

JOB NO. **25016**

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1 OVERALL 1ST FLR PLAN - FIRE ALARM

SCALE: 1/16" = 1'-0"

FIRE ALARM GENERAL NOTES

1. THE EXISTING FIRE ALARM SYSTEM FOR THE ENTIRE SCHOOL (SHOWN HATCHED) TO BE REPLACED WITH A NEW TURN KEY FIRE ALARM SYSTEM. REFER TO FIRE ALARM SPECIFICATIONS FOR ADDITIONAL INFORMATION. SPECIFICATION IS PERFORMANCE BASED AND PROVIDED FOR REFERENCE ONLY.
2. THE FIRE ALARM SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NFPA 72, MEET ALL LOCAL CODES AND ORDINANCES AND ADA REQUIREMENTS WHETHER INDICATED ON DRAWINGS OR SPECIFICATIONS.
3. PROVIDE A NEW ADDRESSABLE VOICE EVACUATION FIRE ALARM SYSTEM THAT COMPLIES WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS), LOCAL FIRE MARSHAL REQUIREMENTS, LOCAL AUTHORITY HAVING JURISDICTION, AND STATE CODES FOR CONTROL PANELS, DEVICES, MOUNTING, ETC. FIRE ALARM SYSTEM INCLUDING, BUT NOT LIMITED TO ALARM INITIATING DEVICES, ALARM NOTIFICATION APPLIANCES, CONTROL PANEL, AUXILIARY DEVICES, DUCT DETECTORS, VOICE EVACUATION SYSTEM, ANNUNCIATORS, POWER SUPPLIES, BATTERY CALCULATIONS, ETC. TO BE DESIGNED, INSTALLED, AND TESTED BY A LICENSED FIRE ALARM CONTRACTOR. PROVIDE ALL REQUIRED DEVICES, PROGRAMMING, ETC REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
4. CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANY ADDITIONAL DEDICATED CIRCUITS REQUIRED FOR POWER SUPPLIES AND EQUIPMENT THAT IS PART OF THEIR SYSTEM DESIGN. COORDINATE WITH GENERAL CONTRACTOR FOR ALL POWER NEEDS AT NO ADDITIONAL COST TO OWNER.
5. FIRE ALARM SYSTEMS ARE MONITORED BY AN AES-MULTINET RECEIVER AT DALLAS ISD'S CENTRAL MONITORING SYSTEM. FIRE ALARM SYSTEMS ARE TO REPORT TO CENTRAL MONITORING SYSTEM VIA AN AES 7788F/7744F SERIES FIRE SUBSCRIBER AND AES 7794 AES-INTELLIPRO FIRE OR DALLAS ISD APPROVED EQUAL. IF CENTRAL MONITORING SYSTEM IS NOT AVAILABLE, SIGNAL IS TO BE SENT TO SOUTHWEST DISPATCH OR AS DIRECTED BY DALLAS ISD DESIGNATED REPRESENTATIVE. PROVIDE TWELVE MONTHS OF MONITORING SERVICE REQUIRED AS PART OF THE INSTALL.
6. NOTIFIER NFS2-3030 ARE THE PREFERRED SYSTEMS. PROPOSED ALTERNATE SYSTEMS TO BE PRE-APPROVED BY DALLAS ISD DESIGNATED REPRESENTATIVE, AND DALLAS ISD-M&O.
7. FIRE ALARM SYSTEMS ARE TO BE ADDRESSABLE.
8. FIRE ALARM PANELS ARE TO HAVE INTERNAL DIALERS.
9. DOOR HOLDERS ARE TO BE ELECTROMAGNETIC AND CONNECTED TO THE BUILDING FIRE ALARM SYSTEM. ELECTROMECHANICAL DEVICES ARE NOT ACCEPTABLE. MAGNETIC DOOR HOLDERS ARE TO BE POWERED BY 24-VOLT DC ONLY.
10. FIRE ALARM SYSTEM IS TO HAVE SURGE PROTECTION AT EACH LOCATION THE SIGNALING LINE CIRCUIT LEAVES THE MAIN BUILDING OR RETURNS TO THE BUILDING FROM PORTABLES.
11. FIRE ALARM SYSTEM TO HAVE INTEGRAL MASS NOTIFICATION.
12. CEILING-MOUNTED AUDIO/VISUAL DEVICES ARE PREFERRED.
13. PULL STATION PROTECTORS WITH INTEGRAL HORN ARE REQUIRED FOR ALL MANUAL PULL STATIONS IN GYMNASIUM.
14. HVAC DUCT DETECTORS TO BE POWERED BY THE FIRE ALARM SYSTEM. DUCT DETECTORS ON FIRE ALARM CONTROL PANEL (FACP) ARE NOT TO BE POWERED BY HVAC.
15. ALL BUILDINGS ON A CAMPUS TO BE CONNECTED TO THE MAIN FIRE ALARM CONTROL PANEL (FACP).
16. COPY OF THE FIRE ALARM CONTROL PANEL PROGRAM TO BE PROVIDED AND PLACED IN THE DOCUMENT CABINETS LOCATED AT THE FIRE ALARM CONTROL PANEL (FACP).
17. ALL EXISTING PANELS, DEVICES, AND WIRING TO BE REMOVED UPON INSTALLATION OF NEW SYSTEMS.
18. ALL REMOTE POWER SUPPLY AND AMP CABINET LOCATIONS ARE TO BE PROVIDED AND PLACED IN LOCKED DOCUMENT CABINETS LOCATED AT THE FIRE ALARM CONTROL PANEL (FACP).
19. FIRE ALARM CONTROL PANELS (FACP) TO BE LOCATED IN THE MAIN ADMINISTRATIVE OFFICE.
20. ALL FIRE ALARM AC BREAKERS TO HAVE LOCK-ON DEVICES INSTALLED PER NEC 70 ELECTRICAL CODE.
21. FIRE ALARM TO BE ZONED SEPARATELY FOR AUDITORIUMS AND BLACK BOX THEATRES FOR USE OF HAZE, FOG OR OTHER ATMOSPHERICS IN PERFORMANCE. COORDINATE WITH THEATRE CONSULTANT AND DALLAS ISD FINE ARTS.
22. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH DALLAS ISD-IT-CSS AND IT-INFRASTRUCTURE TO PROVIDE ANY DEDICATED PHONE LINES THAT ARE REQUIRED. TYPICALLY ONLY REQUIRED IN REMOTE LOCATIONS THAT CANNOT USE THE AES SYSTEM.
23. LICENSED FIRE ALARM INSTALLER TO COORDINATE ANY PROPOSED SYSTEM EXPANSION WITH DALLAS ISD-M&O PRIOR TO SUBMITTAL AND INSTALLATION.
24. LICENSED FIRE ALARM CONTRACTOR TO PROVIDE SYSTEM SUBMITTAL WITH ALL ZONE INFORMATION.
25. CONTRACTOR TO COORDINATE SYSTEM MONITORING PROGRAM REQUIREMENTS WITH DALLAS ISD-IT-CSS AND CENTRAL DISPATCH.
26. INSTALL LOCKING DOCUMENT BOX AT THE FIRE ALARM CONTROL PANEL (FACP). PLACE COMPLETED AS-BUILT DRAWINGS, UPON COMPLETION, IN LOCKED DOCUMENT BOX.
27. INSTALLATION IDENTIFYING STICKER TO BE PLACED INSIDE THE FIRE ALARM CONTROL PANEL (FACP).
28. SALVAGED ITEMS: ALL EXISTING FIRE ALARM CONTROL PANELS AND REMOTE POWER SUPPLIES TO BE REMOVED WITH CARE AND RETURNED TO DALLAS ISD DESIGNATED REPRESENTATIVE, WHO WILL PROVIDE TO DALLAS ISD-M&O.
29. ATTIC STOCK OF LIKE MANUFACTURE TO BE PROVIDED TO DALLAS ISD DESIGNATED REPRESENTATIVE, WHO WILL PROVIDE TO DALLAS ISD-M&O UPON COMPLETION OF INSTALLATION IN THE FOLLOWING QUANTITIES. 10% OF FIELD DEVICES, ONE SLC (SIGNALING LINE CIRCUIT) LOOP CARD, ONE CPU (CENTRAL PROCESSING UNIT), ONE ACM-24AT CONTROL MODULE, IF USED, AND ONE REMOTE POWER SUPPLY.

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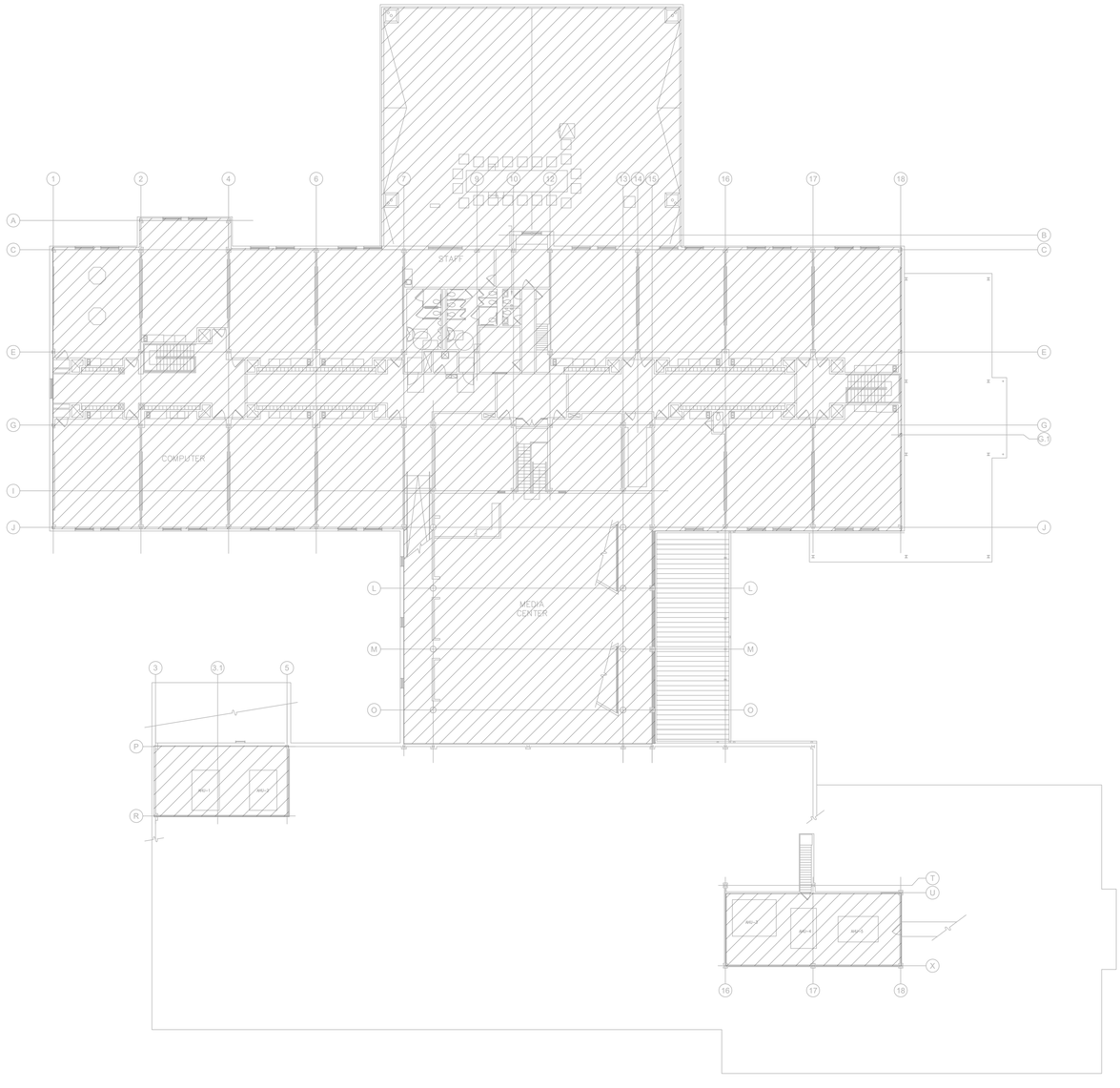
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OVERALL 1ST FLR PLAN - FIRE ALARM

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1 OVERALL 2ND FLR PLAN - FIRE ALARM

SCALE: 1/16" = 1'-0"

DRAWING NOTES

1. REFER TO FA1.11 FOR FIRE ALARM GENERAL NOTES.

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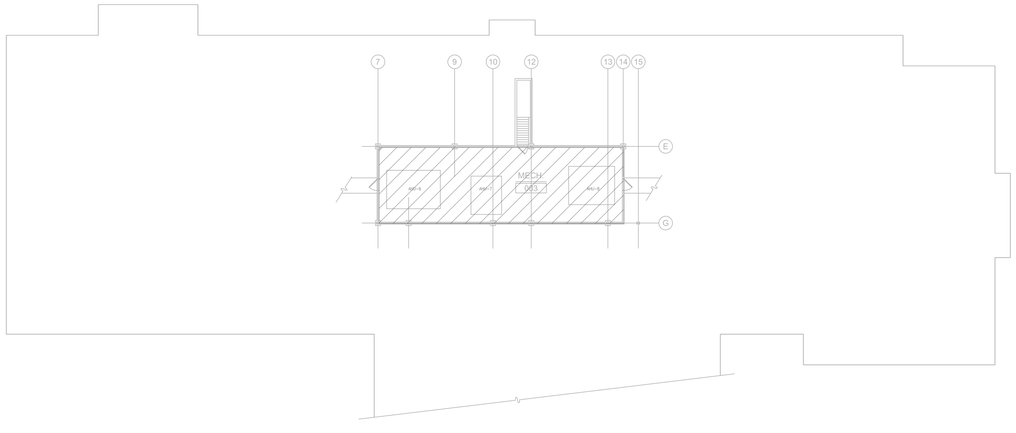
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DRAWING NOTES

1. REFER TO FA1.11 FOR FIRE ALARM GENERAL NOTES.

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1 **OVERALL 3RD FLR PLAN - FIRE ALARM**
SCALE: 1/16" = 1'-0"

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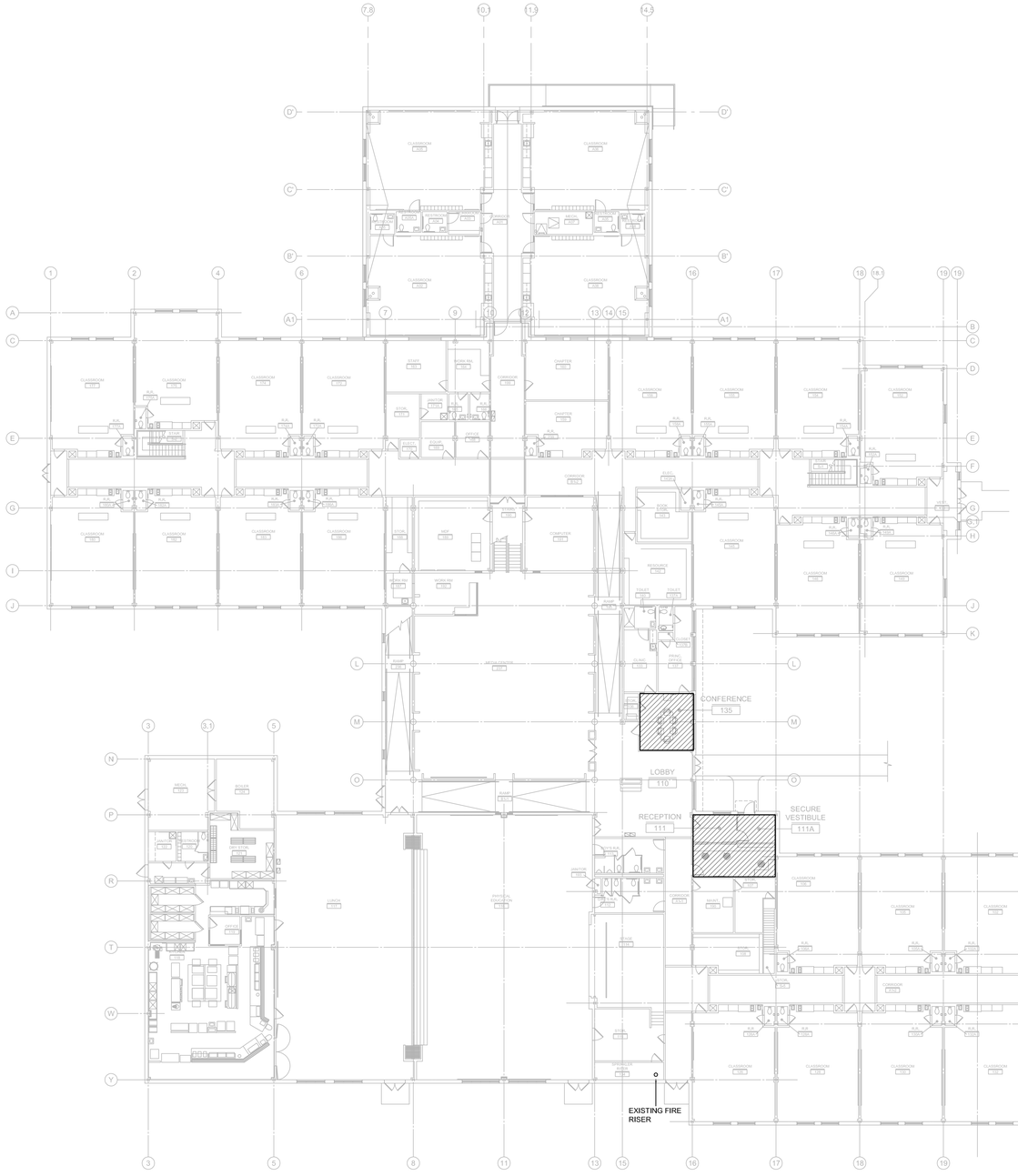
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FIRE PROTECTION - DEMOLITION NOTES

1. FIRE SUPPRESSION SYSTEM ARE TO REMAIN ACTIVE DURING DEMOLITION AND CONSTRUCTION PHASES.
2. EXISTING FIRE SPRINKLER MAIN ARE TO BE REUSED TO THE GREATEST EXTENT POSSIBLE.
3. PROVIDE FOR PHASED DEMOLITION OF EXISTING FIRE SUPPRESSION SYSTEMS. COORDINATE DEMOLITION WITH INSTALLATION OF NEW FIRE SUPPRESSION SYSTEM. PROVIDE AS REQUIRED, APPROVED FIRE WATCH MEASURES.

FIRE PROTECTION LEGEND

EXISTING WET SPRINKLER FIRE PROTECTION WITH WALL AND CEILING CHANGES. CONTRACTOR SHALL ADJUST EXISTING AND PROVIDE NEW WET PIPE FIRE PROTECTION AS NEEDED FOR RENOVATED AREAS. FIRE PROTECTION PIPING SHALL BE MOUNTED ABOVE SUSPENDED CEILING WITH SPRINKLER HEAD CENTERED IN THE 2X2 CEILING TILE.

FIRE PROTECTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR FIRE PROTECTION SYSTEM MODIFICATION REQUIRED BY CEILING AND PARTITION MODIFICATION WITHIN AREA. ALL CALCULATIONS, HAZARD TYPE CLASSIFYING, DESIGN, AND COORDINATION WITH OTHER TRADES IS THE RESPONSIBILITY OF THE FIRE PROTECTION ENGINEER AND CONTRACTOR.
2. FIRE PROTECTION INFORMATION PROVIDED ON THESE DRAWINGS AND WITHIN THE SPECIFICATIONS IS FOR ASSISTANCE IN THE BIDDING PROCESS ONLY. THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED BY A LICENSED FIRE PROTECTION ENGINEER OR NICET CERTIFIED DESIGNER . THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ALL OF APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THE DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEM.
3. ALL AREAS SPRINKLED IN THE BUILDING SHALL BE RATED FOR LIGHT HAZARD UNLESS OTHERWISE NOTED. CONTRACTOR MUST CONFIRM HAZARD CLASSIFICATION WITH AUTHORITY HAVING JURISDICTION.
4. FIRE SPRINKLER PIPING SHALL BE INSTALLED ABOVE LAY-IN CEILINGS WHERE THEY EXIST OR ARE BEING INSTALLED. ALL EXPOSED PIPING AND CONNECTORS SHALL BE PAINTED. PENETRATIONS THROUGH WALLS SHALL HAVE ESCUTCHEON PLATES.
5. COORDINATE WITH ELECTRICAL AND FIRE ALARM CONTRACTORS AS REQUIRED FOR POWER REQUIREMENTS AND FIRE ALARM INTERFACING.
6. FIRE PROTECTION CONTRACTOR TO MODIFY SPRINKLERS IN AREAS WHERE THE WALLS HAVE BEEN MODIFIED.
7. REFER TO ARCHITECTURAL DOCUMENTS FOR FURTHER INSTRUCTIONS AND INFORMATION.
8. FIRE PROTECTION SUB-CONTRACTOR SHALL UTILIZE EXISTING PIPING SYSTEM AND SPRINKLER HEADS WHERE POSSIBLE, AND ADD PIPING AND HEADS AS REQUIRED TO PROVIDE CODE APPROVED COVERAGE OR MATCH EXISTING BUILDING SPRINKLER HEAD GRID COVERAGE. COORDINATE HEAD LOCATIONS WITH LIGHT FIXTURES, DIFFUSERS, GRILLES, ETC.
9. SPRINKLER HEADS TO MATCH EXISTING HEADS WITHIN THE BUILDING.
10. MDF/IDFS SHOULD BE EQUIPPED WITH FIRE PROTECTION SYSTEMS PER CODE. IN THE MDF, IN PARTICULAR, OVERHEAD WATER PIPING WITHIN THE ROOM SHOULD BE AVOIDED USE WALL-MOUNTED SIDE-DISCHARGE NOZZLES WITH PIPING MOUNT-ED OUTSIDE OF THE PERIPHERY OF THE ROOM. WIRE BASKETS SHOULD BE INSTALLED TO PROTECT NOZZLES FROM ACCIDENTAL BUMPING THAT MIGHT CAUSE A DISCHARGE. EXISTING AND NEW IDF/MDF ROOMS REQUIRE HIGH TEMPERATURE SPRINKLER HEADS.

1 OVERALL FIRST FLOOR PLAN - FIRE PROTECTION

SCALE: 1/16" = 1'-0"

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OVERALL FIRST FLOOR PLAN - FIRE PROTECTION

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1 **ENLARGED PLAN - TECHNOLOGY**
SCALE: 1/4" = 1'-0"

TELECOM GENERAL NOTES

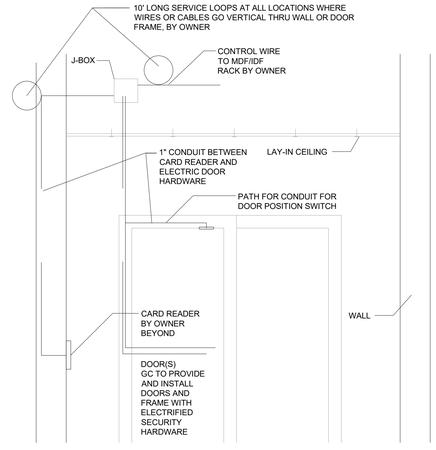
1. REFER TO SHEET E0.00 FOR SYMBOL LEGEND AND ADDITIONAL NOTES.
2. INFRASTRUCTURE (J-BOXES, CONDUIT, PULL-STRING, HOOKS, ETC.) ARE BY GENERAL CONTRACTOR. SURFACE MOUNT CONDUIT ON EXISTING FRAME AS REQUIRED.
3. TELECOM CONTRACTOR SHALL COMPLY WITH THE NEC, NFPA, ANSI, EIA/TIA, BICSI TDMM, FCC, UL, IEEE STANDARDS, STATE AND LOCAL CODES AND ORDINANCES, AND OSHA SAFETY REQUIREMENTS FOR THE INSTALLATION OF TELECOMMUNICATIONS CABLE AND EQUIPMENT.
4. TELECOM DEVICES ARE DIAGRAMMATIC AND SHOWN FOR REFERENCE ONLY. TELECOM CONTRACTOR SHALL COORDINATE FINAL PLACEMENT OF TELECOMMUNICATIONS DEVICES WITH ARCHITECT AND DISTRICT. CONTRACTOR SHALL UTILIZE THE ARCHITECTURAL FLOOR PLANS TO LOCATE THE EXACT PLACEMENT OF TELECOMMUNICATIONS OUTLETS FOR VOICE, DATA, VIDEO AND AUDIO/VISUAL SYSTEMS.
5. TELECOM CONTRACTOR SHALL COORDINATE ALL WORK THROUGH THE GENERAL CONTRACTOR AND SHALL NOT CONFLICT WITH CONSTRUCTION OF OTHER TRADES.
6. TELECOM CONTRACTOR SHALL COORDINATE TELECOMMUNICATIONS CONDUIT TYPE, PATH AND PLACEMENT WITH MEP SPECIFICATIONS.
7. ALL TELECOM CABLE SHALL BE INSTALLED IN APPROVED SUPPORT SYSTEMS, WHICH MAY INCLUDE CONDUIT, CABLE TRAY, AND APPROVED ABOVE CEILING SYSTEMS SUCH AS J-HANGERS. ANY EXPOSED CABLE TRAYS, J-HOOKS, ETC. SHALL BE PAINTED TO MATCH STRUCTURE.
8. ALL CABLE AND EQUIPMENT FURNISHED AND INSTALLED SHALL INCLUDE ALL ACCESSORIES AND ANCILLARY HARDWARE REQUIRED FOR A COMPLETE FUNCTIONAL SYSTEM.
9. CABLE CONTRACTOR SHALL INSTALL ALL DEVICES IN ACCORDANCE WITH ADA REQUIREMENTS.
10. ALL WORK TO BE INSTALLED IN A NEAT, WORKMAN-LIKE MANNER AND IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
11. REFER TO SPECIFICATIONS FOR GENERAL REQUIREMENTS, PRODUCT SPECIFICATIONS, AND INSTALLATION REQUIREMENTS.
12. PROVIDE MATERIALS AND EQUIPMENT LISTED BY U.L. FOR THE PURPOSE USED AND BEARING THEIR LABEL.
13. REMOVE ANY CABLING, CONDUIT, ETC. THAT ARE ABANDONED OR NOT REQUIRED FOR NEW WORK. REMOVE AND DISPOSE OF ALL DEBRIS RESULTING FROM WORK AS REQUIRED.
14. DATA CABLING, PROJECTORS, TOUCHSCREENS AND WIRELESS ACCESS POINTS ARE BY DISTRICT.
15. CONTRACTOR TO COORDINATE WITH DISD TECHNOLOGY DEPARTMENT ON ALL EXISTING DATA AND WAP'S BEFORE THE COMMENCEMENT OF WORK. DISD TECHNOLOGY DEPT. TO BE RESPONSIBLE FOR REMOVING, STORING, AND REINSTALLING ALL EXISTING DATA AND WAP'S.
16. COLOR CODING: COLOR CODING OF MODULAR INSERTS AND PATCH CABLES SHOULD BE USED TO IDENTIFY CABLE TYPE, AND APPLICATION:
    a. CATEGORY 5E DATA INFORMATION OUTLET MODULES/PATCH CABLES SHALL BE WHITE IN COLOR
    b. CATEGORY 6 DATA INFORMATION OUTLET MODULES/PATCH CABLES SHALL BE YELLOW IN COLOR
    c. WIRELESS ACCESS POINT OUTLET MODULES/PATCH CABLES (NON-ERATE) SHALL BE CAT 5E / 6 AND BLUE IN COLOR
    d. WIRELESS ACCESS POINT OUTLET MODULES/PATCH CABLES (ERATE) SHALL BE CAT 5E / 6 AND GREEN IN COLOR
    e. SECURITY CAMERA OUTLET MODULES AND PATCH CABLES SHALL BE CAT 6 AND YELLOW IN COLOR OR CAT 5E AND WHITE IN COLOR.
15. PATCH CABLES AND PATCHING: PATCHING CABLES FOR ALL DATA INFORMATION OUTLETS SHOULD BE COLORED TO MATCH THE INSERT COLOR OF THE CABLE/APPLICATION TO WHICH THEY ARE BEING CONNECTED.
16. MULTI-PAIR CABLES: ALL CATEGORY 5E AND 6/6A MULTI-PAIR CABLES SHOULD BE TERMINATED ON BOTH ENDS WITH WALL OR RACK MOUNTED 110-TYPE TERMINATION BLOCKS OF A SIZE APPROPRIATE TO DEVELOP A PATCHING FIELD THAT WILL ACCOMMODATE ALL INCOMING AND OUTGOING PAIRS. MULTI-PAIR COPPER CABLES ENTERING THE FACILITY FROM OUTSIDE AREAS SHOULD BE TERMINATED ONTO LIGHTNING PROTECTION BLOCKS AS THEY ENTER THE FACILITY AND BEFORE BEING TERMINATED ONTO THEIR 110-TYPE BLOCKS.
17. VERIFY CONDUIT ROUTING AS REQUIRED BY FIELD CONDITIONS. PREPARE SHOP DRAWINGS INDICATING CONDUIT ROUTES AND PENETRATION TYPES.
18. ROUTE CONDUITS, AND OTHER PATHWAYS PARALLEL OR PERPENDICULAR TO BUILDING LINES IN GENERAL.
19. PROPERLY FIRE SEAL CONDUIT AND RACEWAY PENETRATIONS THRU FIRE RATED WALLS AND FLOORS TO MAINTAIN FIRE SEPARATION RATING. PROVIDE FIRE SEALING ASSEMBLIES THAT ARE UL LISTED FOR THE APPLICATION. COORDINATE REQUIREMENTS WITH LOCAL FIRE MARSHALL PRIOR TO INSTALLATION.
20. PROVIDE DEDICATED SUPPORTS FOR CABLE SUPPORT HANGERS INTENDED FOR TELECOMMUNICATIONS CABLES.

SECURITY GENERAL NOTES

1. REFER TO SHEET E0.00 FOR SYMBOL LEGEND.
2. COORDINATE ALL WORK WITH OTHER DISCIPLINES TO AVOID ANY CONSTRUCTION CONFLICTS. SECURITY DEVICES ARE SHOWN FOR REFERENCE PURPOSES TO INDICATE JUNCTION BOX AND CONDUIT RUN LOCATIONS. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH DISD'S SECURITY CONTRACTOR.
3. ALL WIRING SHALL BE PLENUM RATED OR IN 3/4" CONDUIT. PROVIDE PER MANUFACTURER'S RECOMMENDATIONS. ALL CONDUIT AND WIRING SHALL BE CONCEALED WHEREVER POSSIBLE.
4. WHEN CEILINGS ARE OPENED, REMOVE ALL CABLING, CONDUITS, ETC. THAT ARE NO LONGER NEEDED FOR THE COMPLETION OR THIS WORK.
5. RE-INSTALL SECURITY SENSORS IN NEW CEILINGS.
6. SECURITY CAMERAS AND CABLING BY OTHERS. PROVIDE J-BOXES AND CONDUIT WITH PULL-STRING TO DEVICE LOCATIONS AT EXTERIOR WALLS AND HARD CEILINGS.

NOTES BY SYMBOL

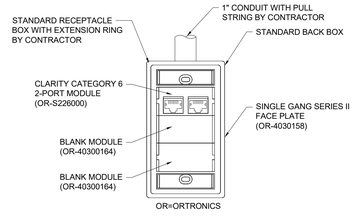
1. ROUTE AND TERMINATE CONDUIT FROM PA SYSTEM CABINET AT THIS LOCATION BELOW COUNTER FOR PA SYSTEM MIC. COORDINATE REQUIREMENTS WITH OWNER.
2. INTERCOM STATION. PROVIDE OUTDOOR RATED SINGLE GANG BOX WITH 1" CONDUIT ROUTED ABOVE VESTIBULE CEILING AND OVER TO THE INTERCOM MASTER STATION.
3. PROVIDE A 2" EMT CONDUIT WITH INSULATED BUSHINGS ON EACH END FROM ABOVE CEILING IN RECEPTION INTO SECURE VESTIBULE FOR ROUTING OF LOW VOLTAGE CABLING. VERIFY EXACT ROUTING REQUIREMENTS IN FIELD.
4. EXISTING IT RACK LOCATED IN MAINTANANCE OFFICE 190.



RESPONSIBILTIES	
GC	PROVIDE AND INSTALL CONDUIT, DOORS, DOOR FRAMES, DOOR HARDWARE
OWNER	PROVIDE AND INSTALL CONTROLLER, CARD READER, AND CONTROL WIRES SETUP OF SYSTEM

NOTE:
THIS DETAIL IS DIAGRAMMATIC AND IS SHOWN FOR REFERENCE. COORDINATE ALL REQUIREMENTS WITH HARDWARE VENDOR AND OWNER FOR A FULLY FUNCTIONING SYSTEM.

2 **DOOR HARDWARE DETAIL**
SCALE: NTS



3 **TYPICAL DOUBLE DATA OUTLET**
SCALE: NTS

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PROFESSIONAL ENGINEER
03/25/2026

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ENLARGED PLANS - TECHNOLOGY

JOB NO. **25016**

DATE	ISSUE FOR	DRAWN BY
03.25.26	Bid Set	CE

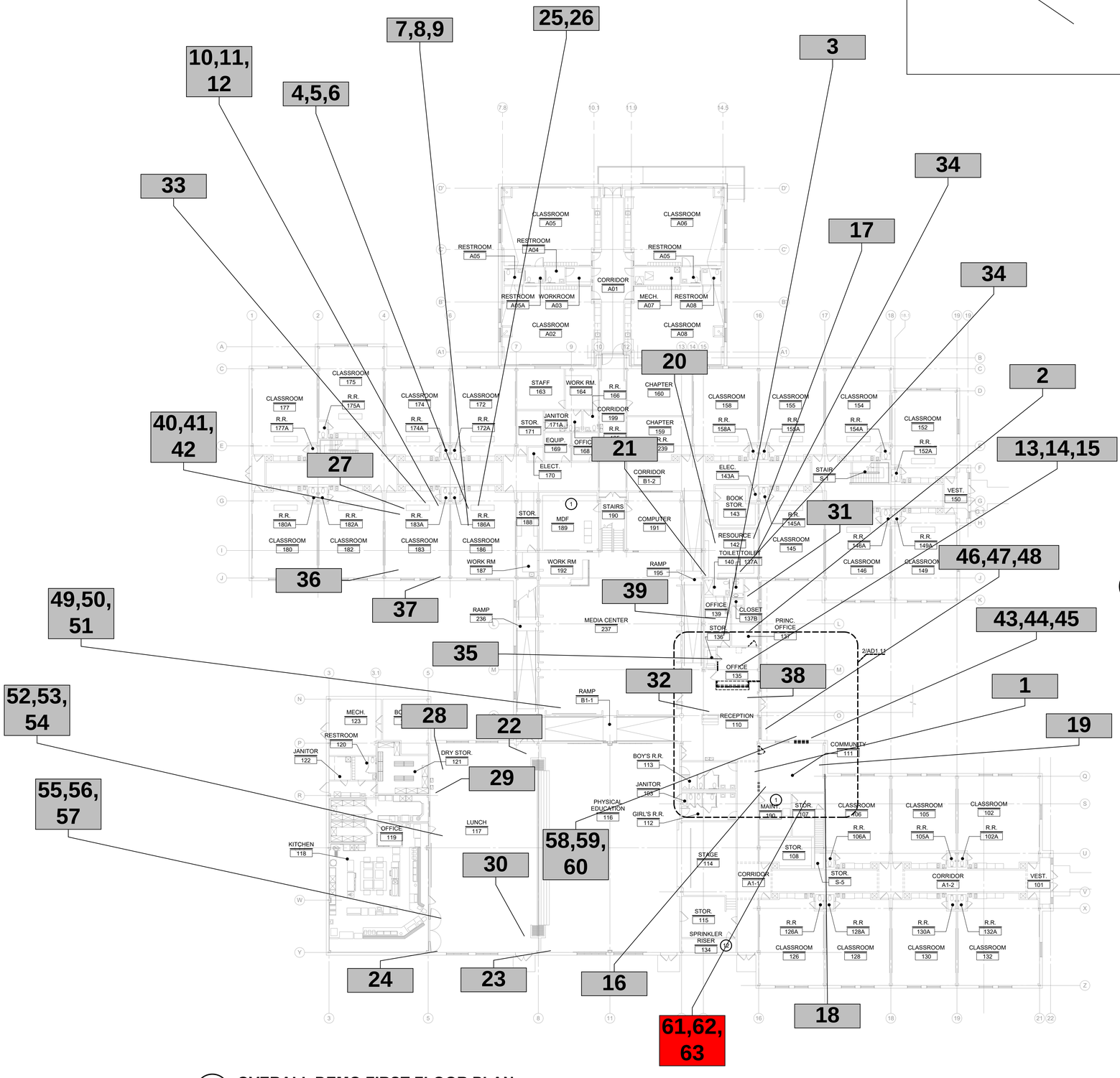
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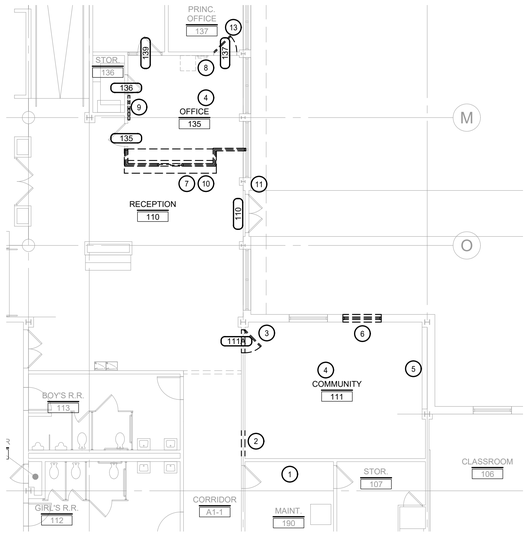
NEGATIVE

POSITIVE



1 OVERALL DEMO FIRST FLOOR PLAN

SCALE: 1/16" = 1'-0"



2 ENLARGED DEMO FLOOR PLAN

SCALE: 1/8" = 1'-0"

DEMO GENERAL NOTES

A. WHERE WALLS ARE DEMOED, PATCH AND REPAIR ADJACENT WALLS AS NEEDED.

B. WHERE FLOORING IS REMOVED, PREPARE FOR NEW FLOOR FINISHES.

C. ANY SECURITY DEVICES TO REMAIN THAT IS LOCATED IN A WALL TO BE DEMOED OR COVERED, IS TO BE RELOCATED ON NEW WALL. CONTRACTOR TO VERIFY EXACT LOCATION. THIS INCLUDES SECURITY, PA, INTRUSION, FIRE ALARM, FIRE SUPPRESSIONS, AND ANY OTHER LIFE SAFETY SYSTEMS.

D. ANY LOOSE CABLING ABOVE CEILING IS TO BE SUPPORTED FROM STRUCTURE AND PROTECTED DURING DEMOLITION.

E. CONTRACTOR TO VERIFY EXACT LOCATION FOR EXISTING SECURITY DEVICES TO REMAIN.

F. PROTECT EXISTING SPRINKLER HEADS, AND SECURITY DEVICES.

G. REMOVE ALL ITEMS AS NECESSARY FOR NEW CONSTRUCTION. VERIFY WITH ARCHITECT AND OWNER IF REMOVAL IS NECESSARY.

H. WHERE DOORS ARE REMOVED, REMOVE CORRESPONDING EXIT SIGNS AND ROOM SIGNAGE. RELOCATE AND USE TEMPORARILY IF REQUIRED. DEMOLISH AFTER NEW SIGNS ARE INSTALLED.

I. RETURN ALL DEMOED DOOR HARDWARE TO OWNER.

DEMO PLAN NOTES

1. DEMO EXISTING HVAC UNIT TO BE REPLACED. REFER MEP.
2. DEMO EXISTING WALL AS INDICATED ON PLAN TO CREATE NEW DOOR OPENING. REMOVE ANY ELECTRICAL TO BEHIND ADJACENT SURFACES AND CAP PER CODE.
3. REMOVE DOOR HARDWARE THAT IS BEING REPLACED. REFER TO NEW HARDWARE SCHEDULES.
4. DEMO EXISTING CARPET AND BASE AND PREP FLOOR FOR NEW FINISH. REFER A6 SERIES FOR SCHEDULE.
5. DEMO EXISTING TACK BOARDS, TACK STRIPS AND/OR MARKER BOARDS.
6. DEMO EXISTING WINDOW, FRAME, WINDOW UNIT, & BRICK BELOW WINDOW TO CREATE OPENING FOR NEW STOREFRONT DOOR SYSTEM. DEMO EXISTING WINDOW TREATMENT. (I.E. BLINDS, SHADES, ETC.)
7. EXISTING TILE BASE TO BE REUSED IN LOBBY. CAREFULLY REMOVE TILE BASE OUTSIDE OF EXISTING RECEPTION. TO BE REINSTALLED AFTER NEW WALL IS CONSTRUCTED. REFER TO A6 SHEETS.
8. EXISTING PA CABINET & BELL SYSTEM TO REMAIN IN SAME LOCATION. PROTECT DURING CONSTRUCTION.
9. EXISTING FIRE ALARM PANELS TO BE PROTECTED DURING CONSTRUCTION. THEY ARE TO REMAIN UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED AND TESTED. ONLY THEN CAN THE EXISTING PANELS & DEVICES BE REMOVED.
10. DEMO PARTIAL HEIGHT WALL AND SUPPORTS, INCLUDING GLAZING & TOP WOOD FRAME. DEMO SOFFIT ABOVE AS INDICATED ON A1.12. REMOVE ANY ELECTRICAL TO BEHIND ADJACENT SURFACES AND CAP PER CODE. DEMO ALL ATTACHED MILLWORK.
11. REMOVE EXISTING CAMERA DOOR BELL. CAP OFF AS REQUIRED. REFER TO ELECTRICAL.
12. DEMO EXISTING RPZ BACKFLOW PREVENTER & ASSOCIATED PIPING. REFER TO MEP.
13. DEMO EXISTING DOOR AND FRAME. CHANGE DOOR SWING TO BE TAS COMPLIANT. REFER TO NEW HARDWARE SCHEDULES.

INCOMPLETE CONSTRUCTION DOCUMENTS

THIS DOCUMENT IS INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.
(TBAE - EFFECTIVE 10-01-2003)

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REGISTRATION NO. 10976
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OVERALL DEMO FIRST FLOOR PLAN

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DATE	ISSUE FOR	DRAWN BY
09.03.25	SD	KH
09.23.25	DD	KH
10.27.25	50% CD	KH

AD1.11