



Page Project Number 32AC23037 12 JULY 2024
G-000 ORG049 Greiner Exploratory Arts Academy

PROJECT **ORG049 Greiner Exploratory Arts Academy** PROJECT NUMBER 32AC23037

501 S Edgefield Ave
Dallas, TX 75208



Dallas Independent School District

9400 N Central Expy 14th floor, Dallas, TX 75231

ORIGINAL ISSUE
100% ISSUE FOR CONSTRUCTION
12 JULY 2024



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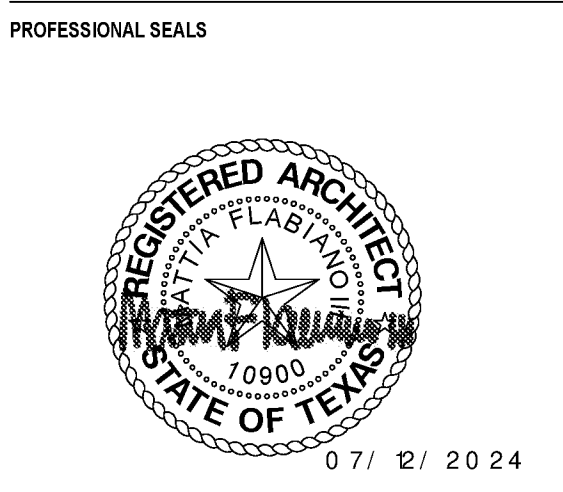
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DATE PLOTTED: 11/20/2024 3 31 55 PM

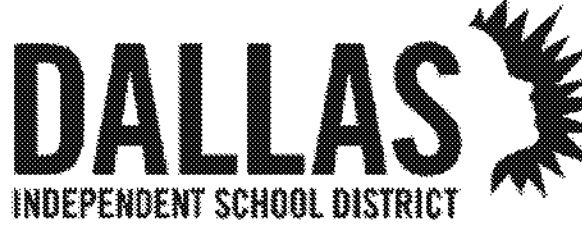
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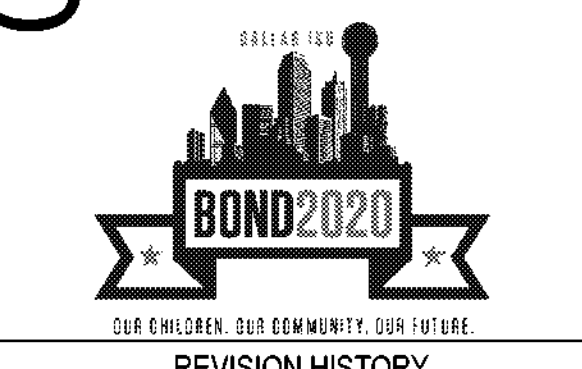
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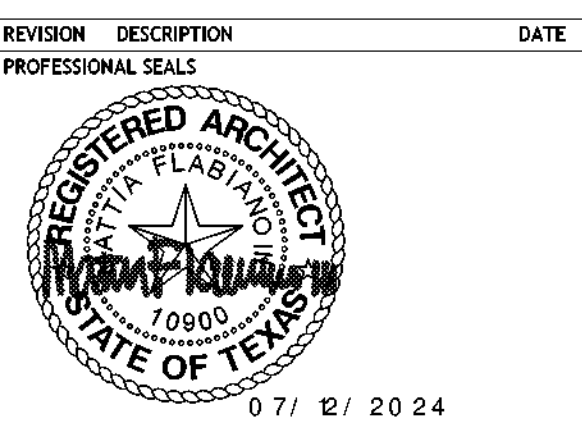
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ORG049 Greiner Exploratory Arts Academy
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Dallas, TX 75208



REVISION HISTORY



GENERAL - INDEX SHEET

DRAWN BY CS CHECKED BY CH
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

G-002
SHEET NUMBER

ARCHITECTURAL - INDEX OF DRAWINGS table with columns: SHEET NO, SHEET TITLE, ISSUE DATE (ORIGINAL ISSUE, LAST REVISION)

ARCHITECTURAL - INDEX OF DRAWINGS table with columns: SHEET NO, SHEET TITLE, ISSUE DATE (ORIGINAL ISSUE, LAST REVISION)

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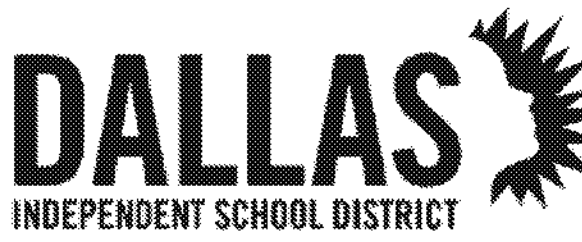
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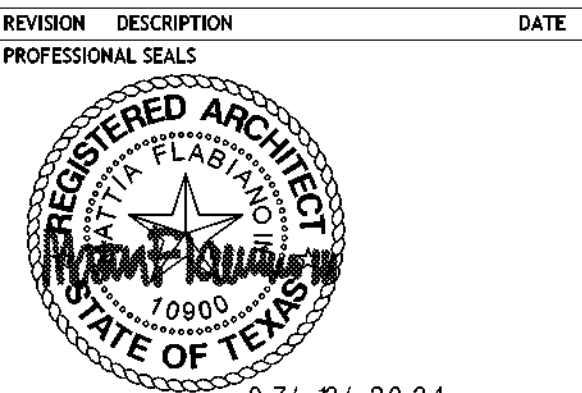
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OUR ENGINEER, OUR COMMITMENT, OUR FUTURE.

REVISION HISTORY

REVISION	DESCRIPTION	DATE



07/12/2024

GENERAL - LIFE SAFETY PLAN - LEVEL 01

DRAWN BY: CS PROJECT NUMBER: 32AC23037 ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION
CHECKED BY: CH PROJECT ABREVIATION: GEAA DATE: 12 JULY 2024

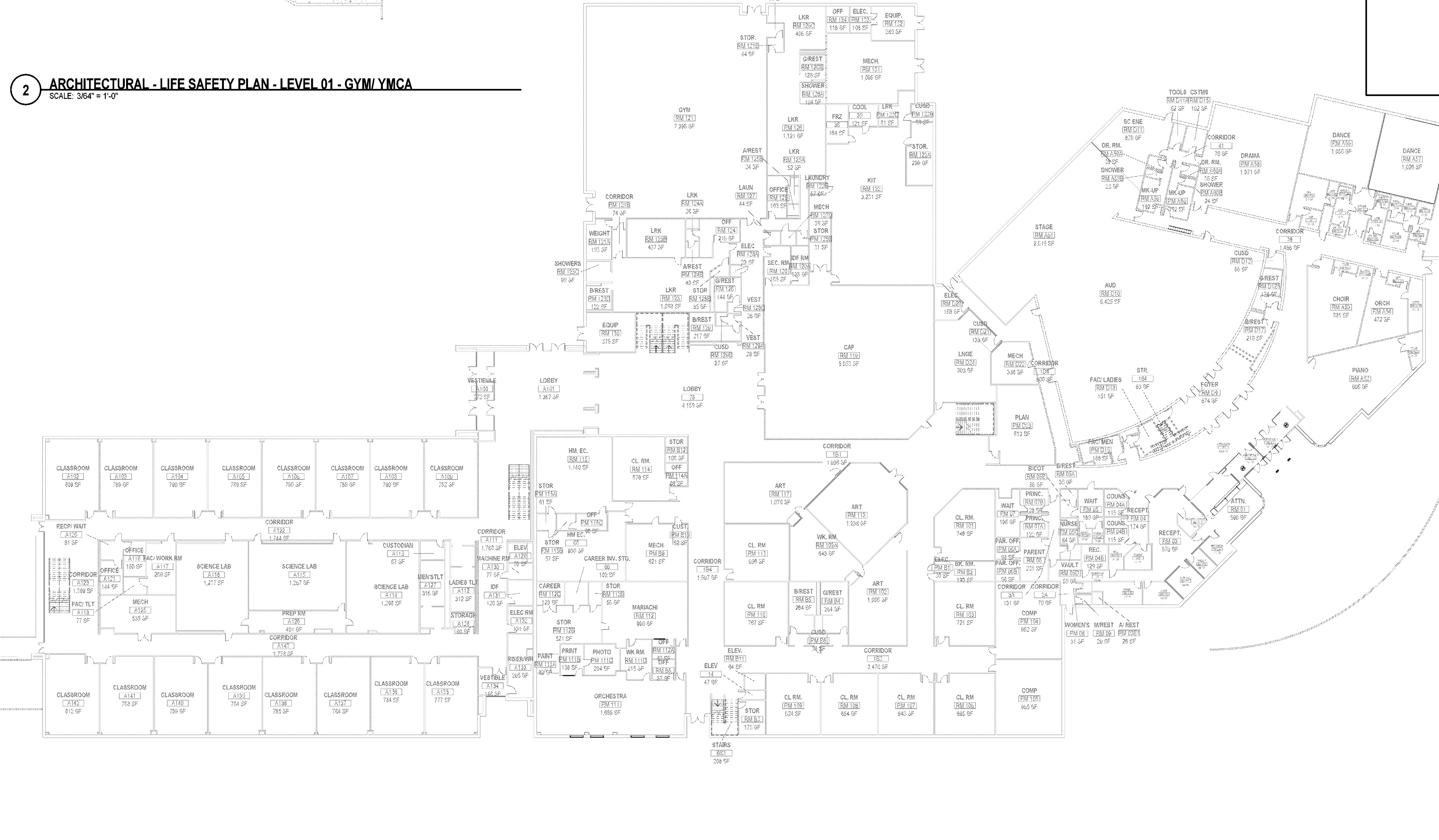
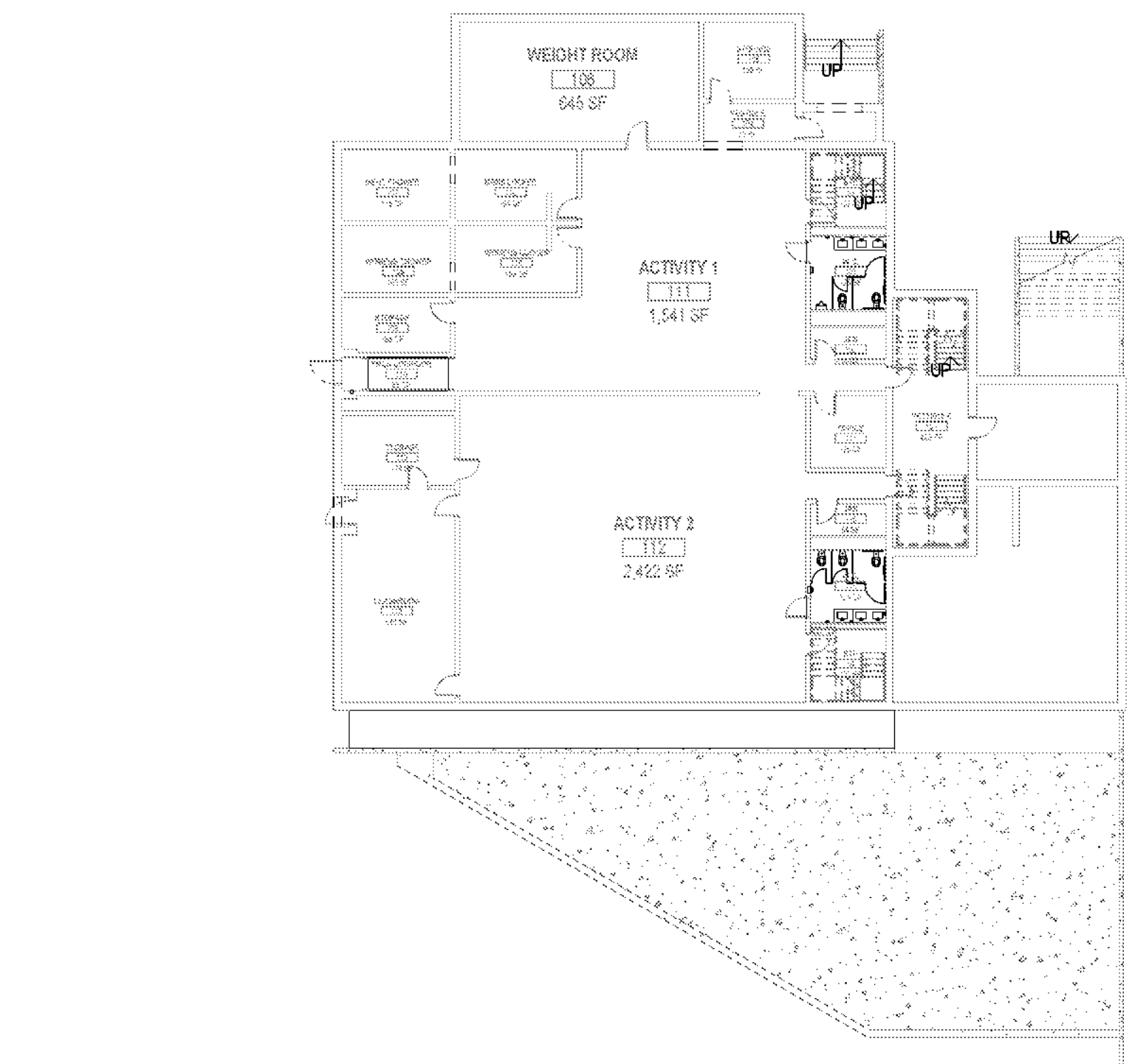
GL-101
SHEET NUMBER

LIFE SAFETY LEGEND	
GENERAL LIFE SAFETY CODE INFORMATION	
QUICK RESPONSE FIRE SPRINKLERS	THROUGHOUT
MAXIMUM TRAVEL DISTANCE TO EXIT	300'
MAXIMUM DEAD END CORRIDOR	50'
AREA	SQUARE FOOTAGES
LEVEL 01	8,512 SF
01A	7,334 SF
01B	
LEVEL 02	8,512 SF
02A	7,534 SF
02B	
KEYED NOTES	
NUMBER	DESCRIPTION

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC INFORMATION

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PUBLIC INFORMATION

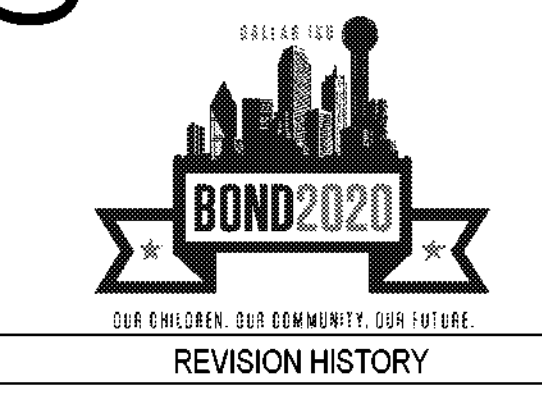
2 ARCHITECTURAL - LIFE SAFETY PLAN - LEVEL 01 - GYM/ YMCA
SCALE: 3/64" = 1'-0"



1 ARCHITECTURAL - LIFE SAFETY PLAN - LEVEL 01
SCALE: 3/64" = 1'-0"

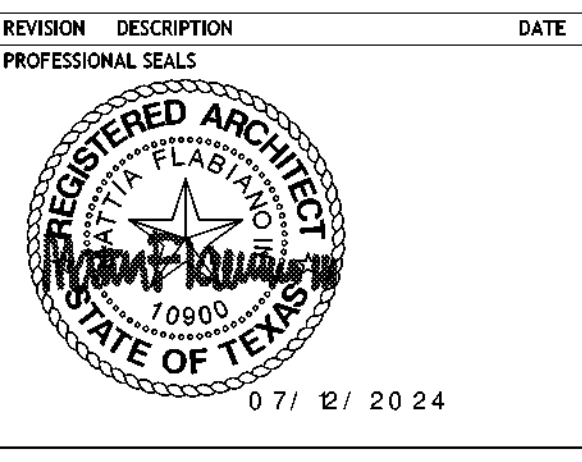
LIFE SAFETY PLAN LEGEND	
SYMBOL	DESCRIPTION
	SMOKE PARTITION
	1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
	2-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
	3-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
	OCC PER GS/FNSF
	USE GROUP
	GS/FNSF
	OCC LOAD
	SMOKE COMPARTMENT NAME
	SMOKE COMPARTMENT AREA
	PATH OF TRAVEL & DISTANCE
	STAR/EXIT DESIGNATION
	ACTUAL USE
	STAR/EXIT CAPACITY
	EXIT LIGHT
	EXIT LIGHT WITH DIRECTIONAL ARROW
	FIRE ALARM PULL STATION
	FIRE ALARM ANNUNCIATOR
	FIRE APPARATUS CABINET, FIRE HOSE AND EXTINGUISHER
	FIRE HOSE CABINET
	FIRE EXTINGUISHER CABINET
	FIRE EXTINGUISHER
	FIRE STANDPIPE
	SMOKE DETECTOR
	SMOKE COMPARTMENT SEPARATION
	SHELL SPACE
	1 HR FIRE RATED CEILING

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REVISION HISTORY

REVISION	DESCRIPTION	DATE



GENERAL - LIFE SAFETY PLAN - LEVEL 02

DRAWN BY: CS
PROJECT NUMBER: 32AC23037
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION

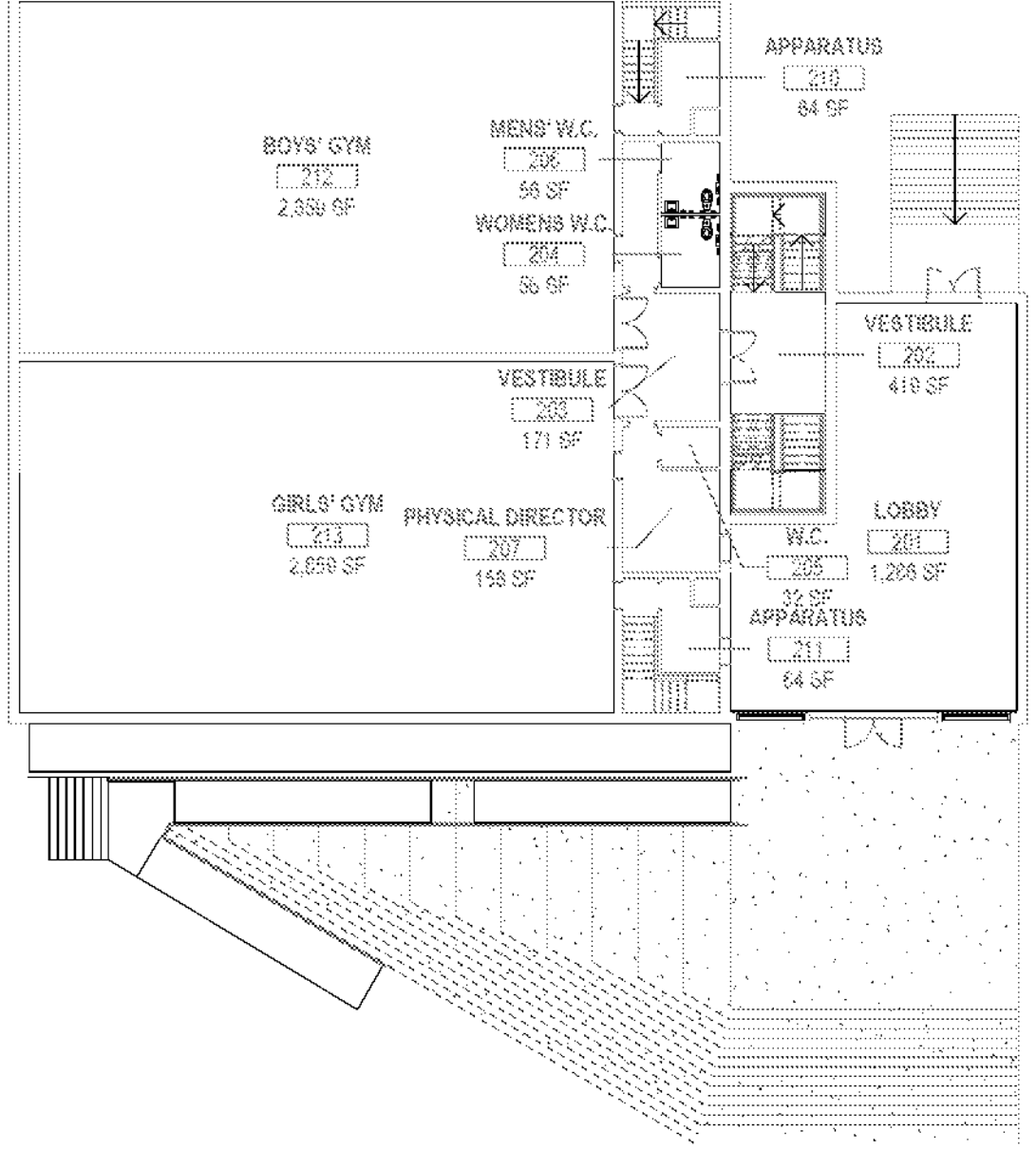
CHECKED BY: CH
PROJECT ABBREVIATION: GEAA
DATE: 12 JULY 2024

GL-102
SHEET NUMBER

LIFE SAFETY LEGEND	
GENERAL LIFE SAFETY CODE INFORMATION	
QUICK RESPONSE FIRE SPRINKLERS	THROUGHOUT
MAXIMUM TRAVEL DISTANCE TO EXIT	300'
MAXIMUM DEAD END CORRIDOR	50'
AREA	SQUARE FOOTAGES
LEVEL 01	
01A	8,512 SF
01B	7,834 SF
LEVEL 02	
02A	8,512 SF
02B	7,834 SF
KEYED NOTES	
NUMBER	DESCRIPTION

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC WORKS DEPARTMENT

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC WORKS DEPARTMENT



2 ARCHITECTURAL - LIFE SAFETY PLAN - LEVEL 02 - GYM/YMCA
SCALE: 3/64" = 1'-0"



1 ARCHITECTURAL - LIFE SAFETY PLAN - LEVEL 02
SCALE: 3/64" = 1'-0"

LIFE SAFETY PLAN LEGEND	
SYMBOL	DESCRIPTION
[Symbol]	SMOKE PARTITION
[Symbol]	1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
[Symbol]	1-HOUR FIRE-RATED SMOKE BARRIER
[Symbol]	2-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
[Symbol]	2-HOUR FIRE-RATED SMOKE BARRIER
[Symbol]	3-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
[Symbol]	3-HOUR FIRE-RATED SMOKE BARRIER
[Symbol]	OCC PER GSFSNF
[Symbol]	USE GROUP
[Symbol]	GSFSNF
[Symbol]	OCC LOAD
[Symbol]	SMOKE COMPARTMENT NAME
[Symbol]	SMOKE COMPARTMENT AREA
[Symbol]	PATH OF TRAVEL & DISTANCE
[Symbol]	STAR/EXIT DESIGNATION
[Symbol]	ACTUAL USE
[Symbol]	STAR/EXIT CAPACITY
[Symbol]	EXIT LIGHT
[Symbol]	EXIT LIGHT WITH DIRECTIONAL ARROW
[Symbol]	FIRE ALARM PULL STATION
[Symbol]	FIRE ALARM ANNUNCIATOR
[Symbol]	FIRE APPARATUS CABINET, FIRE HOSE AND EXTINGUISHER
[Symbol]	FIRE HOSE CABINET
[Symbol]	FIRE EXTINGUISHER CABINET
[Symbol]	FIRE EXTINGUISHER
[Symbol]	FIRE STANDPIPE
[Symbol]	SMOKE DETECTOR
[Symbol]	SMOKE COMPARTMENT SEPARATION
[Symbol]	SHELL SPACE
[Symbol]	1 HR FIRE RATED CEILING

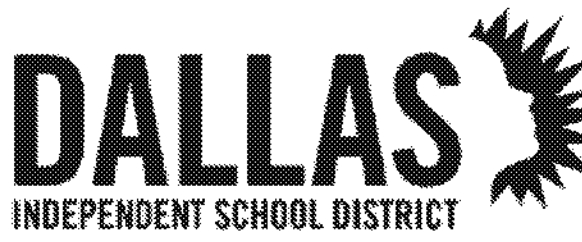
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Table with 3 columns: REVISION, DESCRIPTION, DATE. Includes a signature and stamp for the project.

Table with 4 columns: DRAWN BY, CHECKED BY, PROJECT NUMBER, PROJECT ABBREVIATION. Includes project details like 32AC23037 and GEA4.

C-001
SHEET NUMBER

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCOVERY OF ALL UTILITIES WITHIN THE WORK ZONES AND FOR ALL COSTS OF RELOCATION OF, OR DAMAGE TO, ALL UTILITIES.
2. TREE PROTECTION IS ITEM 1 AND CONTRACTOR DISCOVERY IS ITEM 2 IN THE SEQUENCE OF CONSTRUCTION.

CONTRACTOR SHALL REFER TO ALL SHEETS IN THE DRAWING SET AND NOT RELY UPON ANY SINGLE SHEET FOR ALL REQUIRED ACTIVITIES. IN ANY CASE, THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD DRAWINGS AND STANDARD SPECIFICATIONS SHALL BE APPLICABLE. THESE ARE AVAILABLE ONLINE AT THE NCTCOG WEBSITE.

NOTES FOR TREE AND NATURAL AREA PROTECTION:

- 1. THE CONTRACTOR SHALL PROVIDE TREE PROTECTIONS, AND CONDUCT "PRE-CONSTRUCTION" TREE FERTILIZATION PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION). TREES AND NATURAL AREAS SHALL BE PROTECTED DURING CONSTRUCTION.
2. PROTECT TREE TRUNKS NEAR WORK AREAS WITH TEMPORARY TRUNK PLANKING STRAPPED-ON TO A HEIGHT OF -6 FT (OR TO THE LIMITS OF LOWER BRANCHES).
3. IRRIGATION SYSTEMS DISTURBED THROUGH CONSTRUCTION ACTIVITIES MUST BE REPAIRED BY THE CONTRACTOR.
4. PROTECTIVE FENCES SHOULD BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
5. EROSION AND SEDIMENTATION CONTROL BARRIERS SHOULD BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP. ANY SOIL BUILD-UP ON HARDSCAPES MUST BE REMOVED IMMEDIATELY UPON OBSERVATION FOR PROPER DISPOSITION OFF-SITE.
6. PERFORM ALL GRADING WITHIN THE TREE DRIP LINE CRITICAL ROOT ZONE AREAS BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
7. ANY TREE ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL NOT BE DISTURBED. BACKFILL ROOT AREAS AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
8. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.).
9. ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION'S TREE CARE MANUAL FOR TREE CARE).
10. INSTALL WOOD PLANK ACCESS ROADS OVER PAVEMENT SURFACES. TREE ROOT ZONES AND LAWN WHERE HEAVY EQUIPMENT MAY CAUSE DAMAGE, REPAIR ALL DAMAGE TO PAVEMENTS, WALKS, TREES AND/OR LAWN SURFACES.
11. AS A COMPONENT OF AN EFFECTIVE REMEDIAL TREE CARE PROGRAM, PRESERVED TREES NEARBY THE LIMITS OF CONSTRUCTION REQUIRE SUPPLEMENTAL NUTRIENTS. SOIL AND/OR FOLIAR ANALYSIS MUST BE USED TO DETERMINE THE NEED FOR SUPPLEMENTAL NUTRIENTS. SOIL PH SHALL BE CONSIDERED WHEN DETERMINING THE FERTILIZATION COMPOSITION AS SOIL PH INFLUENCES THE TREE'S ABILITY TO UPTAKE NUTRIENTS FROM THE SOIL. IF ANALYSES INDICATE THE NEED FOR SUPPLEMENTAL NUTRIENTS, THEN HUMATE/NUTRIENT SOLUTIONS WITH MYCORRHIZAL COMPONENTS AND/OR FOLIAR NUTRIENTS SHALL BE USED. SOIL ANALYSIS IS NEEDED TO DETERMINE IF ORGANIC MATERIAL OR BENEFICIAL MICROORGANISMS ARE NEEDED TO IMPROVE SOIL HEALTH. CONTRACTOR SHALL HIRE AN ARBORIST TO MANAGE TREE TRIMMING AND SOIL NUTRIENT APPLICATION FOR TREES THAT ARE IN THE WORK AREAS PRIOR TO THE START OF THE WORK.
12. MATERIALS AND METHODS ARE TO BE APPROVED BY A PRIVATE ARBORIST (THAT MUST BE HIRED BY THE CONTRACTOR) PRIOR TO APPLICATION. THE GENERAL CONTRACTOR'S ARBORIST SHALL SELECT A FERTILIZATION CONTRACTOR. PRE-CONSTRUCTION TREATMENT SHOULD BE APPLIED IN THE APPROPRIATE SEASON, IDEALLY THE SEASON PRECEDING THE PROPOSED CONSTRUCTION. MINIMALLY, AREAS TO BE TREATED INCLUDE THE ENTIRE CRITICAL ROOT ZONE OF TREES WHICH EXTENDS TO THE DRIP EDGE OF THE ARBOR. TREATMENT SHOULD INCLUDE, BUT NOT LIMITED TO, FERTILIZATION, SOIL TREATMENT, AND PROPER PRUNING.
13. POST-CONSTRUCTION TREATMENT SHALL OCCUR DURING FINAL REVEGETATION OR AS DETERMINED BY A QUALIFIED ARBORIST AFTER CONSTRUCTION. CONSTRUCTION ACTIVITIES OFTEN RESULT IN A REDUCTION IN SOIL MACRO AND MICRO PORES AND AN INCREASE IN SOIL BULK DENSITY. TO AMELIORATE THE DEGRADED SOIL CONDITIONS, ANY AERATION VIA WATER AND/OR AIR INJECTION INTO THE SOIL MUST BE PERFORMED PRIOR TO START OF EROSION CONTROL. BEDDING PLACEMENT OF NONWOVEN FILTER FABRIC AND ROUNDED WASHED GRAVEL. OTHER METHODS MAY BE USED AS APPROVED BY THE ARBORIST. THE PROPOSED NUTRIENT MIX SPECIFICATIONS AND SOIL AND/OR FOLIAR ANALYSIS RESULTS NEED TO BE PROVIDED TO AND APPROVED BY THE ENGINEER PRIOR TO APPLICATION (MAKE SUBMITTAL). CONSTRUCTION WHICH WILL BE COMPLETED IN LESS THAN 90 DAYS MAY USE THE RECOMMENDED RATES. ALTERNATIVE ORGANIC FERTILIZER MATERIALS ARE ACCEPTABLE WHEN THE ARBORIST, WITHIN 7 DAYS AFTER FERTILIZATION IS PERFORMED, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF THE WORK PERFORMED TO THE ENGINEER. THIS IS ITEM #1 IN THE SEQUENCE OF CONSTRUCTION.
14. WATER ALL TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER.

EROSION CONTROL NOTES

- 1. VEGETATED AREAS DISTURBED BY THE WORK SHALL BE RESTORED.
2. CONTRACTORS ARBORIST MUST SPECIFY WHAT, IF ANY, SOIL AMENDMENTS ARE REQUIRED. SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ON-SITE TOPSOIL WITH A DISC OR TILLER TO CREATE A WELL-BLENDED MATERIAL.
3. THE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS:

TEMPORARY VEGETATIVE STABILIZATION:

- 1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH OR INCLUDE A COOL SEASON COVER CROP: (WESTERN WHEATGRASS (PASCOPYRUM SMITHII) AT 5.6 POUNDS PER ACRE, OATS (AVENA SATIVA) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRASS (SECALE CEREALE) AT 4.5 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY SEED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT UTILIZE ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) OR PERENNIAL RYEGRASS (LOLIUM PERENNE). COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDDA AT A RATE OF 4.5 POUNDS PER ACRE.
A. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST. FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SLOW PLANT GROWTH OR DORMANCY.

B. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW.

Table with 5 columns: MATERIAL, DESCRIPTION, LONGEVITY, TYPICAL APPLICATIONS, APPLICATION RATES. Includes rows for 100% OR ANY BLEND OF CELLULOSE, STRAW PLANT and MULCH OR NATURAL FIBERS.

PERMANENT VEGETATIVE STABILIZATION:

- 1. INSTALL SOD AS SPECIFIED. MAKE SUBMITTAL FOR PRIOR APPROVAL.
A. FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST.
B. HYDROMULCH SHALL COMPLY WITH TABLE 1, ABOVE.
C. WATER THE SODED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE A HEALTHY STAND OF PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SOD IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH AT RATES AND FREQUENCIES DETERMINED BY THE CONTRACTORS ARBORIST.
D. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 1/2 INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX, AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 1 SQUARE FEET.

SEQUENCE OF CONSTRUCTION

- THE FOLLOWING SEQUENCE OF CONSTRUCTION SHALL BE USED FOR ALL DEVELOPMENT.
1. TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MUST BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN. INSTALL TREE PROTECTION AND INITIATE TREE MITIGATION MEASURES.
2. CONTRACTOR SHALL DISCOVER SITE UTILITIES IN EXISTENCE UNDER AND OVER THE WORK AREAS AND REPORT LOCATION TO ENGINEER VIA AUTOCAD DWG FILE WITH LOCATION ATTRIBUTE DATA HORIZONTALLY AND VERTICALLY AND WITH TYPE AND SIZE OF APPURTENANCE INCLUDED.
3. THE CONTRACTOR'S ENVIRONMENTAL PROJECT MANAGER, AND/OR SITE SUPERVISOR, AND/OR DESIGNATED RESPONSIBLE PARTY, WILL ALLOW THE EROSION AND SEDIMENTATION CONTROLS TO BE REVISED, IF NEEDED.
4. TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST BE INSPECTED AND MAINTAINED BY THE CONTRACTOR.
5. BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
6. EXPOSED SOILS IN THE AREA WHERE A TEMPORARY FACILITY IS PROVIDING EROSION SEDIMENTATION CONTROLS MUST BE PROTECTED PRIOR TO REMOVAL/ABANDONMENT OF TEMPORARY BASINS.
7. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.
8. UPON COMPLETION OF THE SITE CONSTRUCTION AND REVEGETATION OF A PROJECT SITE, THE CONTRACTOR SHALL SUBMIT A LETTER TO THE ENGINEER INDICATING THAT CONSTRUCTION, INCLUDING REVEGETATION, IS COMPLETE AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE ENGINEER OR HIS DESIGNEE.
9. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE ENGINEER, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND COMPLETE ANY NECESSARY FINAL REVEGETATION RESULTING FROM REMOVAL OF THE CONTROLS.

GEOTECHNICAL PAVEMENT AND FLATWORK RECOMMENDATIONS:

ANY PAVEMENT AND FLATWORK SHALL BE CONSTRUCTED WITH MATCH EXISTING PAVEMENT MATERIAL THICKNESSES INCLUDING PRESENCE POSSIBLY OF CRUSHED LIMESTONE BASE (CLB) BUT IN NO CASE SHALL CONCRETE PAVEMENT THICKNESS OF THE REPAIR OR REPLACEMENT BE LESS THAN THE FOLLOWING (SEE ALSO THE DETAILS SHEETS):

Table with 4 columns: LOCATION, CLB, PORTLAND CEMENT CONCRETE (PCC), SUBGRADE. Includes rows for ALL PAVEMENTS.

* MC (MOISTURE CONDITIONED, SCARIFIED AND RE-COMPACTED SUBGRADE)
SAMPLING AND TESTING: PRIOR TO ANY IN-SITU SOIL COMPACTION OR FILLING OPERATIONS, SAMPLES OF SUBGRADE, PROPOSED BORROW AND/OR ON-SITE MATERIALS SHALL BE OBTAINED BY AN APPROVED LABORATORY FOR TESTING, THE TESTS PROVIDE A BASIS FOR EVALUATION OF FILL COMPACTION BY IN-PLACE DENSITY TESTING. A NICET QUALIFIED SOIL TECHNICIAN SHALL PERFORM SUFFICIENT IN-PLACE DENSITY TESTS DURING THE FILLING OPERATIONS TO EVALUATE THAT PROPER LEVELS OF COMPACTION, INCLUDING DRY UNIT WEIGHT AND MOISTURE CONTENT, ARE BEING ATTAINED BY THE CONTRACTOR. WHERE THE RESULTS OF THE IN-PLACE DENSITY TESTS INDICATE THE SPECIFIED MOISTURE OR COMPACTION LIMITS HAVE NOT BEEN MET, THE AREA REPRESENTED BY THE TEST SHALL BE REWORKED AND RETESTED AS REQUIRED UNTIL THE SPECIFIED MOISTURE AND COMPACTION REQUIREMENTS ARE ACHIEVED. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THESE ACTIVITIES. SATISFACTORY COMPLETION OF TESTING SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR THE QUALITY OF THE MATERIALS AND THE SATISFACTORY INSTALLATION OF MATERIALS BY THE CONTRACTOR.

SITE PREPARATIONS FOR CONSTRUCTION: THE CONTRACTOR SHALL STRIP THE SITE SUBGRADES. THE SITE STRIPPING SHALL INCLUDE ALL VEGETATION, TREE ROOTS, ANY LOOSE TOPSOIL, MATERIALS DETERMINED TO BE FILL AND OTHER UNSUITABLE MATERIALS, AS WELL AS THE OVER-EXCAVATION REQUIRED IN THE PAVEMENT AND STRUCTURE AREAS. ZONES CONTAINING DEBRIS OR ORGANICS AND VOIDS RESULTING FROM REMOVAL OF BOULDERS, ETC. SHALL BE REMOVED AND REPLACED WITH SELECT FILL, OR IN AREAS OUTSIDE THE FOOTPRINT OF SITE STRUCTURES, SOILS EXHIBITING SIMILAR CLASSIFICATION, MOISTURE CONTENT, AND DENSITY AS THE ADJACENT IN-SITU SOILS.

SUBSEQUENT TO COMPACTION, AND JUST PRIOR TO PLACEMENT OF FILL, THE EXPOSED SUBGRADE WITHIN THE CONSTRUCTION AREAS SHALL BE EVALUATED FOR MOISTURE AND DENSITY. IF THE MOISTURE AND/OR DENSITY REQUIREMENTS DO NOT MEET THE CRITERIA DESCRIBED BELOW, THE SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES, MOISTURE ADJUSTED AND COMPACTED AS DESCRIBED FOLLOWING.

FILL, PLACEMENT AND COMPACTION: FILL SHALL BE PLACED IN UNIFORM LIFTS COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR (ASTM D 698) MAXIMUM DRY DENSITY. LIFTS NOT TO EXCEED 8 INCHES LOOSE MEASURE, WITH COMPACTED THICKNESS NOT TO EXCEED 6 INCHES. N-SITU SUBGRADE SOILS SHOULD BE MOISTURE CONDITIONED TO BETWEEN -2 AND +4 OF OPTIMUM MOISTURE CONTENT (NOTE: ON-SITE CLAY SOILS SHALL NOT BE USED AS SELECT FILL OR FILL UNDER STRUCTURES). CERTIFIED DENSITY RESULTS MUST BE SUBMITTED TO THE ENGINEER PRIOR TO CONCRETE PLACEMENT.

MOISTURE CONDITIONED SUBGRADE: SOIL SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES, MOISTURE CONDITIONED, AND RE-COMPACTED TO AT LEAST 98 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 AND MOISTURE CONDITIONED TO BETWEEN -2 AND +4 OF OPTIMUM MOISTURE CONTENT. CARE SHALL BE TAKEN SUCH THAT THE SUBGRADE DOES NOT DRY OUT OR BECOME SATURATED PRIOR TO PLACEMENT OF BASE MATERIAL. THE PAVEMENT SUBGRADE SHALL BE THOROUGHLY COMPACTED PRIOR PLACEMENT OF BASE MATERIAL. PARTICULAR ATTENTION SHALL BE PAID TO AREAS ALONG CURBS, ABOVE UTILITY TRENCHES, AND ADJACENT TO LANDSCAPE ISLANDS, MANHOLES, AND STORM DRAIN INLETS. PLACEMENT OF THE MOISTURE CONDITIONED SUBGRADE SHALL EXTEND AT LEAST 18 INCHES BEHIND CURBS.

SELECT FILL: IMPORTED SELECT FILL SHALL CONSIST OF CRUSHED LIMESTONE BASE MATERIAL MEETING THE REQUIREMENTS OF THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) STANDARD SPECIFICATIONS ITEM 247, TYPE A, GRADE 3, OR A LOW-PLASTICITY CLAYEY SOIL WITH A PLASTICITY INDEX BETWEEN 5 AND 15 PERCENT, A MAXIMUM GRAVEL CONTENT (PERCENTAGE RETAINED ON NO. 4 SIEVE) OF 40 PERCENT, AND ROCKS NO LARGER THAN 4 INCHES IN THEIR LARGEST DIMENSION, AS AN ALTERNATIVE, A LOW-PLASTICITY GRANULAR FILL MATERIAL, WHICH DOES NOT MEET THESE SPECIFICATIONS MAY BE UTILIZED ONLY IF APPROVED BY THE ENGINEER.

ENGINEERED FILL: ENGINEERED FILLS IN PROPOSED PAVEMENT OR LANDSCAPE AREAS SHALL CONSIST OF GENERAL OR SELECT FILL. ENGINEERED FILL MATERIALS SHALL BE PLACED IN HORIZONTAL LOOSE LIFTS OF NOT MORE THAN 8 INCHES IN LOOSE THICKNESS. LIFT THICKNESS SHALL BE DECREASED WHEN USING LIGHT COMPACTION EQUIPMENT AS IS CUSTOMARY IN UTILITY TRENCHES OR ADJACENT TO WALLS OR FOUNDATIONS. FAILURE TO SATISFACTORILY COMPACT FILL IN THESE AREAS CAN RESULT IN DIFFERENTIAL MOVEMENTS. THE CONTRACTOR SHALL REPAIR BY REMOVAL AND SATISFACTORY REPLACEMENT OF MATERIALS IN AREAS WHERE DIFFERENTIAL MOVEMENTS ARE OBSERVED, EVEN AFTER CONSTRUCTION.

PORTLAND CEMENT CONCRETE (PCC) PAVEMENT: ALL PORTLAND CEMENT CONCRETE (PCC) PAVEMENT SHALL BE REINFORCED. REINFORCEMENT SHALL BE NO. 4 BARS OF GRADE 60 STEEL, INSTALLED IN THE CENTER OF THE CONCRETE SECTION USING SUPPORTS DESIGNATED SPECIFIC FOR THIS APPLICATION (NOT BROKEN BRICKS). (NOTE: NO. 3 BARS GET BENT WHEN WORKERS WALK ON THEM DURING INSTALLATION, THUS THE USE OF NO. 4 BARS). PCC REINFORCING STEEL SPACING SHALL BE ON 18-INCH CENTERS, EACH WAY. THE CONCRETE MIX SHALL USE WHITE PORTLAND CEMENT. THE CONCRETE MIX DESIGN SHALL BE DESIGNED BY A QUALIFIED COMMERCIAL LABORATORY AND SIGNED/SEALED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF TEXAS. THE MIX DESIGN SHALL COMPLY WITH THE REQUIREMENTS CONTAINED IN THE NCTCOG STANDARD SPECIFICATIONS. CONCRETE MIX DESIGN SHALL BE TO DEVELOP A MINIMUM 4,500 PSI COMPRESSIVE STRENGTH AT 28-DAYS. TEST REPORTS SUBMITTED IN SUPPORT OF THE MIX DESIGN SHALL NOT BE DATED EARLIER THAN ONE YEAR PRIOR TO THE DATE OF THE MIX DESIGN SUBMITTAL. A LIQUID MEMBRANE-FORMING CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE SURFACE AS SOON AS PRACTICAL AFTER FINISHING THE CONCRETE SURFACE. THE GEOTECHNICAL ENGINEER (GE) OR THE GE'S DESIGNATED REPRESENTATIVE SHALL PERFORM ALL REQUIRED CONCRETE TESTING INCLUDING SLUMP TESTS, ENTRAINED AIR TESTS AND TEMPERATURE CHECKS TO ENSURE COMPLIANCE WITH SPECIFICATIONS.

CIVIL NOTES:

- 1. ALL JOINTS (THAT INCLUDES SAWCUTS AND COLD JOINTS) SHALL BE SEALED.
2. CONTROL JOINTS: CONTROL JOINTS SHALL BE SEALED WHILE THE CONCRETE IS STILL PLASTIC BY USING A GROOVING TOOL, BY INSERTING A PRE-MOLDED FILLER STRIP, OR SAW CUTTING AFTER IT HAS HARDENED ENOUGH TO SUPPORT THE SAWS AND AVOID RAVELING. IF SAWCUT, CONTROL JOINTS SHALL BE CUT WITHIN 6 TO 12 HOURS OF CONCRETE PLACEMENT. THE DEPTH OF THE JOINT SHALL BE AT LEAST ONE-QUARTER OF THE SLAB DEPTH. JOINT SEALANT MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THE DEPTH AND WIDTH OF THE JOINTS THAT ARE TO BE SEALED. CONTRACTION JOINT PATTERNS SHALL DIVIDE PAVEMENTS INTO APPROXIMATE SQUARE PANELS. THE LENGTH OF A PANEL SHALL NOT BE MORE THAN 25% GREATER THAN ITS WIDTH. JOINT PATTERNS ACROSS LANES SHALL BE CONTINUOUS. THE MAXIMUM ANGLE BETWEEN TWO INTERSECTING JOINTS SHALL BE LIMITED TO 90 DEGREES. JOINTS MUST INTERSECT PAVEMENT-FREE JOINTS AT THE DATE OF THE MIX DESIGN SUBMITTAL. A LIQUID MEMBRANE-FORMING CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE SURFACE AS SOON AS PRACTICAL AFTER FINISHING THE CONCRETE SURFACE. THE GEOTECHNICAL ENGINEER (GE) OR THE GE'S DESIGNATED REPRESENTATIVE SHALL PERFORM ALL REQUIRED CONCRETE TESTING INCLUDING SLUMP TESTS, ENTRAINED AIR TESTS AND TEMPERATURE CHECKS TO ENSURE COMPLIANCE WITH SPECIFICATIONS.

- 3. CONSTRUCTION JOINTS: CONSTRUCTION JOINTS SHALL BE INSTALLED AT CONTRACTION JOINT LOCATIONS, IF POSSIBLE. SLAB EDGES AT CONSTRUCTION JOINTS SHALL BE THICKENED BY 25%. A CONSTRUCTION JOINT SHALL INCLUDE DOWELS USED ACROSS THE JOINT TO PREVENT JOINT MOVEMENT. IF THE SLABS OF DIFFERENT THICKNESSES COME TOGETHER AT CONSTRUCTION JOINTS, THE SUBGRADES UNDER THE THINNER PAVEMENTS SHALL BE SHAPED TO PROVIDE GRADUAL THICKNESS TRANSITION OVER A DISTANCE OF 3 FT. OR MORE. ALL LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINTS SHALL BE DOWELED TO PROMOTE LOAD TRANSFER.
4. CONCRETE DOWELS: DOWELS USED SHALL BE 5/8 INCH SMOOTH BARS, 18 INCHES IN LENGTH, WITH ONE END TREATED TO SLIP, SPACED AT 12 INCHES ON CENTERS AT EACH JOINT. FOR SLIP END USE MANUFACTURER'S PLASTIC BAR END CAP WITH SPACE FOR MOVEMENT AT THE TIP. CENTER DOWELS ACROSS THE JOINT.
5. ISOLATION (EXPANSION) JOINTS: FULL DEPTH, FULL WIDTH ISOLATION JOINTS WITH BITUMINOUS FIBER OR PREFORMED JOINT FILLER SHALL BE INSTALLED AT ALL RIGID EXISTING INTERFACES, SUCH AS LIGHT POLE BASES, PLANTERS, BUILDINGS, OLDER SECTIONS OF PAVEMENT, RETAINING WALLS, MANHOLES, ETC., AND UNSYMMETRICAL AREAS. INSTALL EXPANSION JOINTS ALONG EDGE OF BUILDING AT PAVEMENTS (DRIVEWAYS AND WALKS). THE JOINT FILLER SHALL EXTEND THROUGH THE SLAB THICKNESS TO THE SUBGRADE AND BE RECESSED BELOW THE PAVEMENT SURFACE SO THAT THE JOINT CAN BE SEALED WITH JOINT-SEALANT MATERIALS. JOINT-FILLER MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHEN ISOLATION JOINTS ARE LOCATED IN AREAS THAT ENCOUNTER WHEEL AND OTHER LOADS, THE PAVEMENT EDGES AT THE JOINT SHALL BE THICKENED BY 25% AND THE JOINT SHALL BE DOWELED. ISOLATION JOINTS ARE NOT RECOMMENDED ALONG THE FACE OF CURB AND GUTTER ABUTTING A PAVEMENT, BUT PAVEMENT JOINTS OF ANY TYPE THAT INTERSECT THIS JOINT SHALL EXTEND THROUGH THE CURB AND GUTTER. REINFORCING JOINTS SHALL EXTEND THROUGH ISOLATION JOINTS. ISOLATION JOINT SPACINGS ARE NOT TO EXCEED A MAXIMUM OF 60 FT. CONCRETE ISOLATION JOINT SPACING SHALL BE SPACED AS DESCRIBED ABOVE.

- 6. EXCAVATION AT DOORWAYS AND DOORWAY DOWELS: DOWELS SHALL BE USED AT DOORWAYS TO INHIBIT MOVEMENT AT ADJACENT EXTERIOR FLATWORK TO THE STRUCTURE ACCESS POINT AND BENEATH A CANOPY. THE CONTRACTOR SHALL EXCAVATE AND REMOVE THE A MINIMUM DEPTH OF 6" OF THE IN-SITU CLAY SOIL BELOW EXISTING GRADES AT EACH DOORWAY IF MOVEMENT HAS DAMAGED THE LANDING. THE ABOVE SUBGRADE PREPARATION RECOMMENDATIONS SHOULD BE APPLIED TO AN AREA EXTENDING A MINIMUM OF 5 FEET OUTSIDE OF BUILDING AND CANOPY AREAS, INCLUDING ATTACHED WALKWAYS AND ANY OTHER ARCHITECTURAL MEMBERS. REPLACEMENT OF THE EXISTING SOILS SHALL BE REPAIRED AS DESCRIBED HERE-IN. A MINIMUM 5 FEET X 5 FEET AREA CENTERED ON AND IMMEDIATELY ADJACENT TO BUILDING DOORWAYS, OR WHERE A WALK MEETS A STRUCTURE ACCESS POINT THAT IS NOT A DOORWAY, ALIGN FLATWORK JOINTS WITH THE OVER EXCAVATED AREA. THE SOIL REMOVAL IS IN ADDITION TO ANY CUTS THAT ARE TO BE MADE ON THE SITE FOR SITE GRADING. REPLACE REMOVED SOIL WITH SELECT FILL.

- 7. SEALING JOINTS: JOINTS AND CRACKS CAN TRANSMIT MOISTURE INTO THE BASE AND SUBGRADE POSSIBLY LEADING TO DISTRESS IN THE PAVEMENTS, THEREFORE, ALL JOINTS AND CRACKS SHALL BE SEALED. THIS INCLUDES CONCRETE JOINTS ADJACENT TO ASPHALT.
8. UTILITY TRENCH INSTALLATION: ALL SITE UTILITY TRENCH INSTALLATION SHALL BEGIN AT THE LOW POINT AND WORK UPSTREAM (E.G., FROM THE STREET MAIN TO THE BUILDING). GRAVITY FACILITIES SHALL BE CONSTRUCTED FIRST. TRENCHES SHALL BE EXCAVATED TO SUCH WIDTH AS TO SAFELY ALLOW COMPACTION EQUIPMENT ACCESS TO THE LIFT AND FOR CONFIRMATION TESTING TO OCCUR. IF A TRENCH IS OVER 4 FEET DEEP, THE SIDE SLOPES SHALL BE BENCHED OR SHORED IN ACCORDANCE WITH THE CONTRACTORS TRENCH SAFETY PLAN. THE CONTRACTORS TRENCH SAFETY PLAN SHALL BE PREPARED BY A TEXAS LICENSED GEOTECHNICAL ENGINEER CONTRACTED TO THE CONTRACTOR BEFORE PERFORMING ANY SITE EXCAVATION.

- 9. AIR CONDITIONER CONDENSATION OVERFLOW: AIR CONDITIONER CONDENSATION OVERFLOW DRAIN DISCHARGES SHALL BE PIPED TO PRIMARY STORM DRAINS AND NOT ALLOWED TO BE DISCHARGED TO THE GROUND.

- 10. PIPE LEAK TESTING: CONTRACTOR SHALL PERFORM LEAK TESTS ON ALL NEW PIPES (WATER PIPES, SANITARY SEWER PIPES, ROOF AND STORM DRAINPIPS, IRRIGATION PIPES, ETC.) BEFORE THEY MAY BE ACCEPTED AS COMPLETE. THE CONTRACTOR SHALL REPAIR ANY LEAKING PIPES.

- 11. CONFLICT RESOLUTION: IF CONFLICTS OCCUR BETWEEN THE NOTES SHOWN ON THE PLANS AND THE GEOTECHNICAL REPORT RECOMMENDATIONS, DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF BOTH THE GEOTECHNICAL ENGINEER AND THE CIVIL ENGINEER AT THE EARLIEST POSSIBLE TIME.

- 12. EXISTING UTILITIES: THE UTILITY PLANS HAVE BEEN PREPARED TO THE BEST OF OUR ABILITY USING CURRENT ON THE GROUND SURVEY DATA AND THE BEST AVAILABLE RECORD DATA AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION. UTILITY LINES SHALL BE CONSTRUCTED FROM THE LOWER ELEVATIONS TO THE HIGHER ELEVATIONS. CONTRACTOR SHALL ALLOW FOR THE POSSIBILITY OF UNDETECTED UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALLOW FOR CHANGES DUE TO UTILITIES BEING IN LOCATIONS DIFFERENT FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF AND THE EXPOSING OF CONFLICTS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE RESOLUTION WITH THE ENGINEER WHERE UNKNOWN CONFLICTS ARE DISCOVERED WHICH COULD REQUIRE MODIFICATIONS TO THE PLANS.

- 13. CONTRACTOR'S CONSTRUCTION POTHOLES: CONTRACTOR SHALL PROVIDE ALL POTHOLES OF ALL UTILITIES THAT MAY BE LOCATED IN THE PATHWAY OF ANY SUBSURFACE UTILITY PROPOSED AT THE CONTRACTOR'S SOLE COST AND EXPENSE. CONTRACTOR SHALL BE RESPONSIBLE TO NOT IMPAIR UTILITY SERVICE TO ANY FACILITY CURRENTLY RECEIVING A UTILITY SERVICE UNLESS AGREEMENT TO TEMPORARILY CURTAIL A UTILITY SERVICE IS AGREED UPON BETWEEN THE OWNER OF THAT UTILITY SERVICE, THE UTILITY SERVICE PROVIDER AND THE CONTRACTOR AHEAD OF TIME. THE CHARGES, REPAIR COSTS, DAMAGES, AND/OR EXPENSE FROM ANY IMPAIRMENT AND/OR DAMAGES CAUSED BY THE CONTRACTOR BY POTHOLES OR UTILITY CONSTRUCTION TO ANY EXISTING UTILITY SERVICE SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. POTHOLES SHALL OCCUR PRIOR TO INSTALLATION OF ANY UTILITY.

- 14. UTILITY CONNECTIONS: ALL UTILITY PIPING AND CONDUITS SHALL BE INSTALLED USING ONLY MANUFACTURED FITTINGS AND SHALL ALL BE INSTALLED WATERTIGHT.

- 15. WATER MANAGEMENT: POSITIVE DRAINAGE AWAY FROM THE STRUCTURES MUST BE PROVIDED DURING CONSTRUCTION. INFILTRATION OF WATER INTO EXCAVATIONS SHALL BE PREVENTED DURING CONSTRUCTION. IT IS IMPORTANT THAT FOUNDATION SOILS ARE NOT ALLOWED TO BECOME WETTED. ALL GRADES MUST PROVIDE EFFECTIVE DRAINAGE DURING CONSTRUCTION. WATER SHALL NOT BE PERMITTED TO POND ON-SITE. EFFECTIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ROOF RUN-OFF SHALL BE COLLECTED AND DISCHARGED INTO THE WATER QUALITY AND DETENTION POND BY THE CONTRACTOR AT THE EARLIEST POSSIBLE TIME DURING CONSTRUCTION SO THAT PONDING OF WATER DOES NOT OCCUR. CONTRACTOR SHALL CONTROL SITE SURFACE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. NO WATER SHALL BE ALLOWED TO ACCUMULATE IN AN OPEN TRENCH, OR BENEATH OR ADJACENT TO A BUILDING FOUNDATION DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ANY WATER FROM AROUND THE STRUCTURES OR IN AN EXCAVATION AS SOON AS IT PONDS. NO TRENCH SHALL BE LEFT OPEN OVER NIGHT.

16. GEOTECHNICAL MATERIALS TESTING: PRIOR TO ANY FILLING OPERATIONS, OR COMPACTION OF IN-SITU MATERIALS, SAMPLES OF PROPOSED BORROW AND/OR ON-SITE MATERIALS SHALL BE OBTAINED FOR LABORATORY TESTING. THE TESTS WILL PROVIDE A BASIS FOR EVALUATION OF COMPACTION BY IN-PLACE DENSITY TESTING. A QUALIFIED SOIL TECHNICIAN SHALL PERFORM SUFFICIENT IN-PLACE DENSITY TESTS DURING THE FILLING OPERATIONS TO EVALUATE THAT PROPER LEVELS OF COMPACTION, INCLUDING DRY UNIT WEIGHT AND MOISTURE CONTENT, ARE BEING ATTAINED. EACH LIFT SHALL NOT EXCEED 8-INCHES LOOSE. TEST EACH LIFT OF COMPACTED MATERIAL AT THE BELOW LISTED FREQUENCY OF ONE FIELD DENSITY TEST PER LIFT FOR EACH 2,500 SQUARE FEET OF COMPACTED AREA FOR LARGE AREAS AND ONE FIELD DENSITY TEST PER LIFT FOR EACH 500 SQUARE FEET OF COMPACTED AREA FOR SMALLER AREAS WITH A MINIMUM OF THREE TESTS PER LIFT. LINEAR FEATURES SUCH AS UTILITY TRENCHES SHALL BE TESTED EVERY 50 LF PER LIFT. EACH LIFT MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER (OR THEIR DESIGNATED REPRESENTATIVE) BEFORE ANOTHER LIFT IS ADDED. ANY FILL OR BACKFILL SHALL BE PLACED IN HORIZONTAL LIFTS. THE ACTUAL QUALITY OF THE FILL, AS COMPACTED, SHALL REMAIN ENTIRELY THE RESPONSIBILITY OF THE CONTRACTOR AND SATISFACTORY RESULTS FROM THE TESTS SHALL NOT BE CONSIDERED AS A GUARANTEE OF THE QUALITY OF THE CONTRACTOR'S MATERIALS PLACEMENT OPERATIONS. THE GEOTECHNICAL ENGINEER SHALL BE HIRED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR THE CONSTRUCTION OBSERVATIONS HEREIN LISTED TO BE CONDUCTED BY A GEOTECHNICAL ENGINEER OR EXPERIENCED, NICET CERTIFIED, GEOTECHNICAL TECHNICIAN PERFORMING UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER. TO HELP VERIFY THAT THE CONSTRUCTION IS IN ACCORDANCE WITH THE INTENT OF THE GEOTECHNICAL REQUIREMENTS AND SHALL INCLUDE THE LISTED OBSERVATIONS AND QUALITY ASSURANCE ITEMS LISTED FOLLOWING.

- OBSERVATION AND SAMPLING AND LAB TESTING OF PROPOSED BORROW OR ON-SITE MATERIALS INCORPORATED INTO THE WORK,
-OBSERVATION OF STRIPPED SURFACES AND PROOFROLLING,
-OBSERVATION OF GENERAL EXCAVATIONS,
-OBSERVATION & TESTING DURING PLACEMENT OF SUBGRADES AND/OR ROADWAY BASE,
-DOCUMENTATION WAS ISSUED TO GETTER ENSURE THE SAFETY OF COMPACTION ENTERING TRENCHES OR EXCAVATIONS. IT IS MANDATED BY THIS
-OBSERVATION OF TRENCH BOTTOM AND/OR WALL FOOTING AND MONITORING OF BACKFILL AND PLACEMENT AT EACH AND BEHIND WALLS,
-OBSERVATION OF STEEL REINFORCEMENT PLACEMENT FOR CONCRETE, AND
-OBSERVATION & TESTING DURING CONCRETE PLACEMENT.

EXCAVATION SAFETY NOTES

- 1. IN FEDERAL REGISTER, VOLUME 54, NO. 209 (OCTOBER 1989), THE UNITED STATES DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AMENDED ITS "CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR, PART 1926, SUBPART P." THIS FEDERAL REGULATION THAT GOVERNS THE SAFETY OF CONSTRUCTION OF EXCAVATIONS, SUCH AS UTILITY TRENCHES, BASEMENT EXCAVATION, OR FOOTING EXCAVATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE OSHA GUIDELINES. THE CONTRACTOR COULD BE LIABLE FOR SUBSTANTIAL PENALTIES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE GEOTECHNICAL ENGINEERING DESIGN AND CONSTRUCTION OF STABLE EXCAVATIONS AND SHALL SHORE, SLOPE OR BENCH THE SIDES OF THE EXCAVATIONS AS REQUIRED BY THE CONTRACTORS GEOTECHNICAL ENGINEER TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM BASED ON ADJACENT SURFACE SURCHARGE LOADS OR ON OTHER CONSTRUCTION SITE FEATURES. CONTRACTOR MEANS AND CONTRACTOR METHODS TO BE EMPLOYED TO PERFORM THE WORK BY THE CONTRACTOR.

- 2. THE CONTRACTOR'S "RESPONSIBLE PERSON", AS DEFINED IN 29 CFR PART 1926, SHALL EVALUATE THE SOIL EXPOSED IN THE EXCAVATIONS AS PART OF THE CONTRACTOR'S SAFETY PROCEDURES. IN NO CASE SHALL SLOPE HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING UTILITY TRENCH EXCAVATION DEPTH, EXCEED THOSE SPECIFIED IN LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS EXCEPT AS RECOMMENDED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER'S TRENCH SAFETY PLAN FOR THE SPECIFIC PORTION OF THE WORK INVOLVED.

- 3. THE CONTRACTOR SHALL OBTAIN A PROFESSIONAL GEOTECHNICAL ENGINEER'S DESIGN FOR TRENCH SAFETY SYSTEMS ON THIS PROJECT, AS WELL AS, FOR CONFIRMATION OF ACCEPTABLE TEMPORARY RETAINING WALL SYSTEMS FOR CONSTRUCTION OF THE INTENDED WORK.
4. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, ALL TRENCHES OVER 5 FEET IN DEPTH IN EITHER HARD AND COMPACT OR SOFT AND UNSTABLE SOIL SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED. TRENCH SAFETY SYSTEMS TO BE UTILIZED FOR THIS PROJECT ARE TO BE PROVIDED BY THE CONTRACTOR WHO SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER (P.E.) EXPERIENCED IN GEOTECHNICAL ENGINEERING, WHO UNDER THE DIRECTION OF THE CONTRACTOR WHO WILL RETAIN SOLE LIABILITY FOR TRENCH SAFETY AND WILL PROVIDE SEALED ENGINEERING PLANS AND SPECIFICATIONS FOR TRENCH SAFETY ON THIS PROJECT PRIOR TO BEGINNING WORK.

- 5. IN ACCORDANCE WITH THE U. S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, WHEN PERSONS ARE IN TRENCHES 4- FEET DEEP OR MORE, ADEQUATE MEANS OF EXIT, SUCH AS A LADDER OR STEPS, MUST BE PROVIDED AND LOCATED 90 AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.

- 6. THIS IS NOT AN EXHAUSTIVE LIST OF THE REQUIREMENTS OF THE OSHA LAW. THE CONTRACTOR SHALL REFER DIRECTLY TO THE LAW AND SHALL PROVIDE FULL COMPLIANCE TO ALL ASPECTS OF THE OSHA LAW REFERENCED ABOVE.

- 7. THIS INFORMATION IS PROVIDED SOLELY AS A SERVICE TO OUR CLIENT, PAGE (PAGE SOUTHERLAND PAGE, INC., ET. AL.) DOES NOT AND SHALL NOT ASSUME RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY OR THE CONTRACTOR'S OR OTHER PARTY'S COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE OSHA REQUIREMENTS REFERENCED ABOVE.

- 8. IF EXCAVATION AND TRENCH SAFETY SYSTEM DETAILS WERE NOT PROVIDED IN THE PLANS BECAUSE EXCAVATION AND/OR TRENCHES WERE ANTICIPATED TO BE LESS THAN 5 FEET IN DEPTH AND DURING CONSTRUCTION IT IS FOUND THAT EXCAVATIONS AND/OR TRENCHES ARE IN FACT 5 FEET OR MORE IN DEPTH OR TRENCHES LESS THAN 5 FEET IN DEPTH ARE IN AN AREA WHERE HAZARDOUS GROUND MOVEMENT IS EXPECTED, ALL CONSTRUCTION SHALL CEASE, THE EXCAVATION AND/OR TRENCH AREA SHALL BE BARRICADED AND THE CONTRACTORS LICENSED ENGINEER NOTIFIED IMMEDIATELY. CONSTRUCTION SHALL NOT RESUME UNTIL APPROPRIATE EXCAVATION AND TRENCH SAFETY SYSTEM DETAILS, AS DESIGNED BY THE CONTRACTOR'S LICENSED PROFESSIONAL ENGINEER, ARE OBTAINED BY THE CONTRACTOR AND COPIES SUBMITTED TO THE ENGINEER.

NOTE TO CONTRACTOR:
 FOR AREAS CONCERNING SHEETS C-101, CONTRACTOR SHALL PROVIDE AN AUTOCAD DRAWING TO SCALE WITH SPOT ELEVATIONS COORDINATED WITH THE CIVIL ENGINEER FOR USE IN DETAILING FINAL GRADES AND ADA COMPLIANT SLOPES CAN BE CONSTRUCTED BY SUBMITTING A DETAILED TOPO SURVEY WITH ACTUAL AND PROPOSED SPOT ELEVATIONS THAT TIE TO ACTUAL. SUBMIT CONTRACTOR PROPOSED ELEVATION TO ENGINEER FOR PRIOR APPROVAL BEFORE PROCEEDING WITH ANY WORK. CONTRACTOR SHALL SHOW PLAN FOR RAISING/LOWERING ANY GRADE AS NEEDED TO COMPLY WITH ADA FOR AN ACCESSIBLE ROUTE FROM THE UPPER FLOOR LEVEL TO THE LOWER FLOOR LEVEL AND THEN TO THE PUBLIC RIGHT OF WAY AND THE ACCESSIBLE PARKING. HANDRAIL DETAILS FOR ALL ACCESSIBLE ROUTES CONSTRUCTED AS RAMPS, THE EXCEPT CURB RAMP, SHALL CONFORM TO TxDOT PRD-13 HANDRAIL DETAILS (SEE C-503). CONTRACTOR SHALL PROVIDE A SUBMITTAL FOR PRE APPROVAL VERIFYING THAT THE CONTRACTOR CAN BUILD ACCESSIBLE ROUTES IN ACCORDANCE WITH ADA WITH PROPOSED SPOT ELEVATIONS IF VARYING.

CIVIL PLAN LEGEND	
SYMBOL	DESCRIPTION
	BUILDING ENVELOPE
	RE-ESTABLISH IRRIGATION WITH SOD SPECIFIED
	CONCRETE REPLACEMENT SCOPE
	PROPERTY LINE

KEYED NOTES	
NUMBER	DESCRIPTION
C.2	UP TO 2" TALL DESIGNED PLANTER WALLS SITTING ON SHALLOW FOUNDATIONS WHERE OUTSIDE OF A DISTANCE FROM THE FACE OF THE TREE TRUNKS IS 8" MINIMUM THICKNESS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING TREES TO BE OVERSEEN BY A LICENSED LANDSCAPE CONSULTANT/ARBORIST HIRED BY CONTRACTOR.
C.4	EXCAVATE AS NEEDED TO PROVIDE RAMP AT 1:12 SLOPE.
C.6	RE-STRIP EXISTING PARKING. PROVIDE TWO (2) HANDICAP PARKING SPOTS.
C.7	CONTRACTOR SHALL PROVIDE PALISADES ZOYSIA GRASS SOD (SHADE TOLERANT) IN THE AREAS SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IRRIGATION SYSTEM DESIGN TO BE MADE BY A LICENSED LANDSCAPE IRRIGATION CONSULTANT AND PROVIDE THE PERMANENT BELOW GROUND PIPING INSTALLATION TO WATER THE NEW SOD. CONTRACTOR SHALL BE RESPONSIBLE TO AMEND THE SOIL WITH SUITABLE ORGANIC MATERIAL PRIOR TO THE PLACEMENT OF SOD. REFERENCE ARCHITECTURAL SITE PLAN FOR PLANTINGS.
C.8	REMOVE AND REPAIR TRENCH DRAIN TO RESTORE FULL FUNCTIONALITY. NEW TRENCH DRAIN TO BE PLACED BETWEEN EXISTING PAVEMENT AND NEW CURBS. SEE 5/C-505 FOR DETAIL.
C.9	FROM LANDING TO LANDING, CONTRACTOR SHALL RE-PROFILE SECTION OF FLAT WORK PATH OF TRAVEL TO NOT EXCEED 5% RUNNING AND 2% CROSS SLOPE FOR PATH OF TRAVEL.
C.16	PROVIDE CONCRETE FLAT WORK AT AREA.
C.19	REFERENCE PLAN FOR CONTROL JOINTS. UP TO 2" TALL DESIGNED PLANTER WALL SITTING ON DOWELS PLACED INTO EXISTING CONCRETE CURBS. MATCH EXISTING CURB BARS AND USE HORIZONTAL PAVEMENT DOWELING FOR SUPPORT APPLICATION. REFERENCE GRADING PLAN FOR TOP OF CURB ELEVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING TREES TO BE OVERSEEN BY A LICENSED LANDSCAPE CONSULTANT/ARBORIST HIRED BY CONTRACTOR. WALL MAY CUT NO MORE THAN 2" INTO EXISTING GRADE WHERE IT IS WITHIN 8' OF THE FACE OF ANY TREE TRUNK. EARTH UNDER THE TREE CANOPY MAY NOT BE EXCAVATED MORE THAN 2" NOR FILLED MORE THAN 2" WALLS IN THIS ZONE. IF WITHIN 8' OF THE FACE OF ANY TREE MUST SIT ON 3" DEEP, 6" MIN. DIA. PIERS, SPACED AT 9" ON CENTER EXCAVATED WITH AN AIR-SPADE. IF ANY ROOT IS ENCOUNTERED THAT IS GREATER THAN 1" IN SIZE THE PIER SHALL BE MOVED OVER TO AVOID THE ROOT. TIE WALL TO PIERS USING NO. 5 REBAR THE FULL DEPTH OF THE PIER AND INTO HORIZONTAL ALIGNMENT IN THE WALL AT THE THIRD POINTS WITHIN THE VERTICAL HEIGHT OF THE WALL IN EACH DIRECTION FOR A DISTANCE OF 30" HORIZONTALLY. THAT IS 2 EA. NO. 5 REBARS PER PIER BENT 90 DEGREES, WITH ONE ALIGNED TO THE WALL DOWN THE WALL TO ONE SIDE AND THE OTHER ALIGNED TO THE WALL TO THE OTHER SIDE. ONE AT UP TO THE 1/3 POINT VERTICALLY WITHIN THE WALL AND THE OTHER UP TO THE 2/3 POINT VERTICALLY TO TIE THE WALL AND PIERS TOGETHER. THE WALL TIES MUST HAVE CONTINUOUS NO. 4 REBAR IN THE TOP AND BOTTOM THIRD POINTS OF THE CONCRETE WALL TIED TO THE NO. 5 BARS AS ENCOUNTERED. THE OVERLAPS OF CONTINUOUS BARS AT LEAST 30 INCHES.
C.21	DEMOLISH ABANDONED SECTION OF CONCRETE PAVEMENT. RESTORE SITE TO EXISTING SURROUNDING CONDITION.

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DALLAS
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BOND2020

REVISION HISTORY

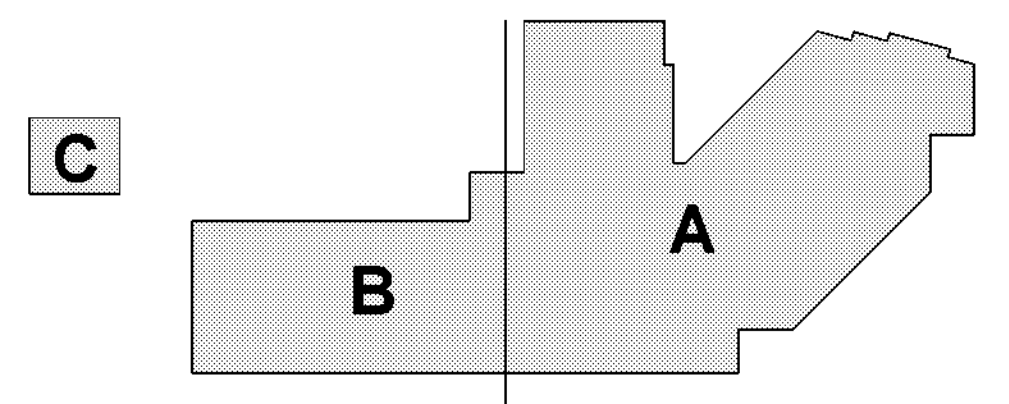
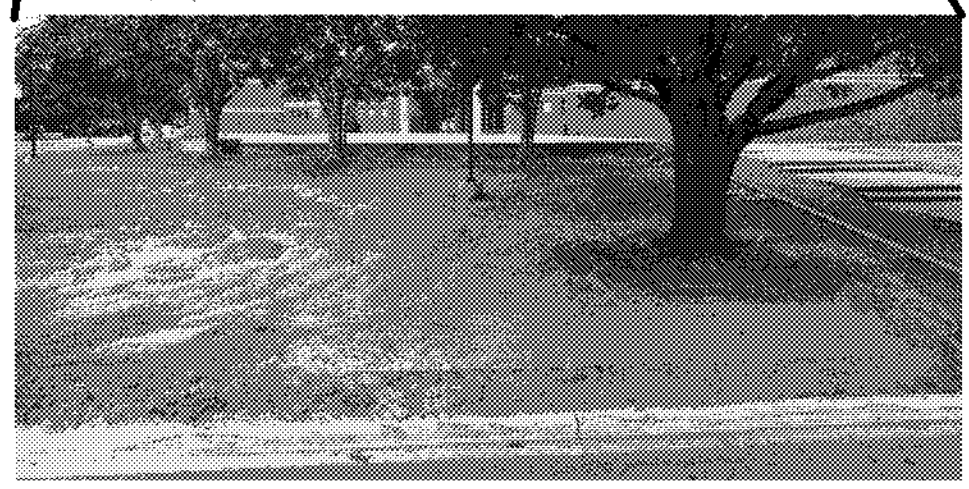
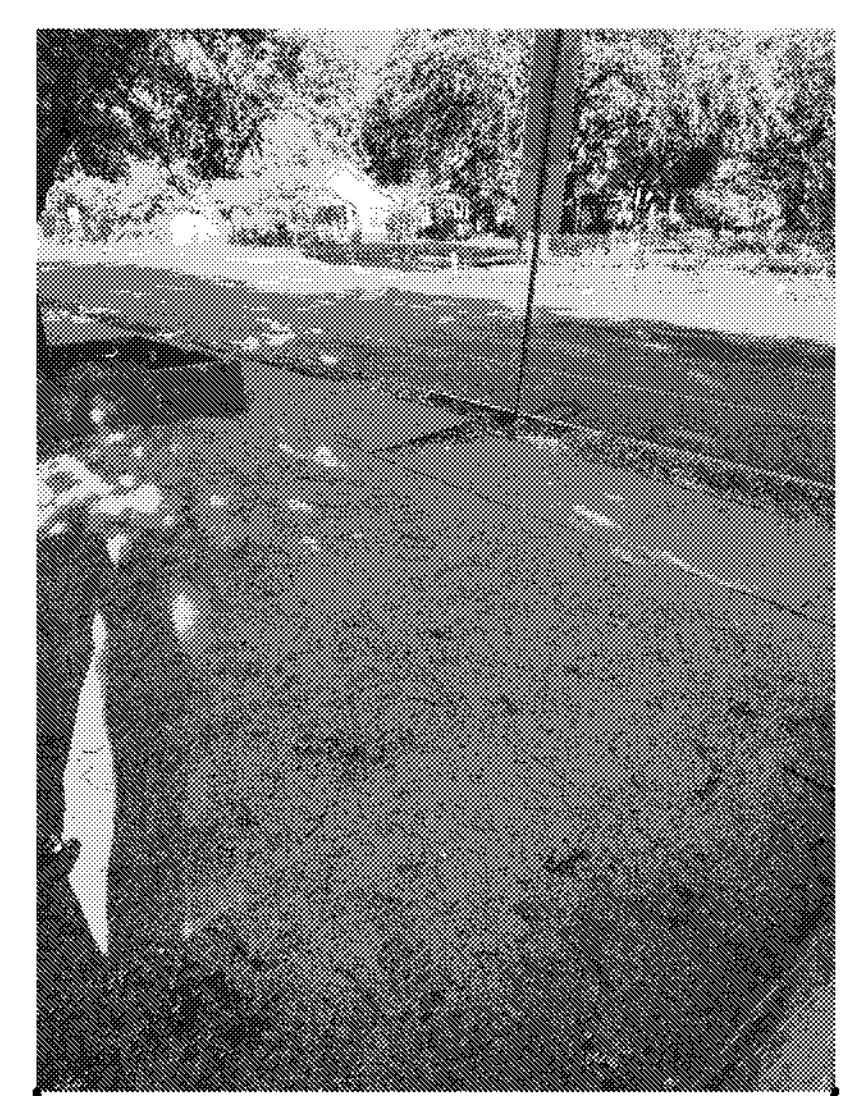
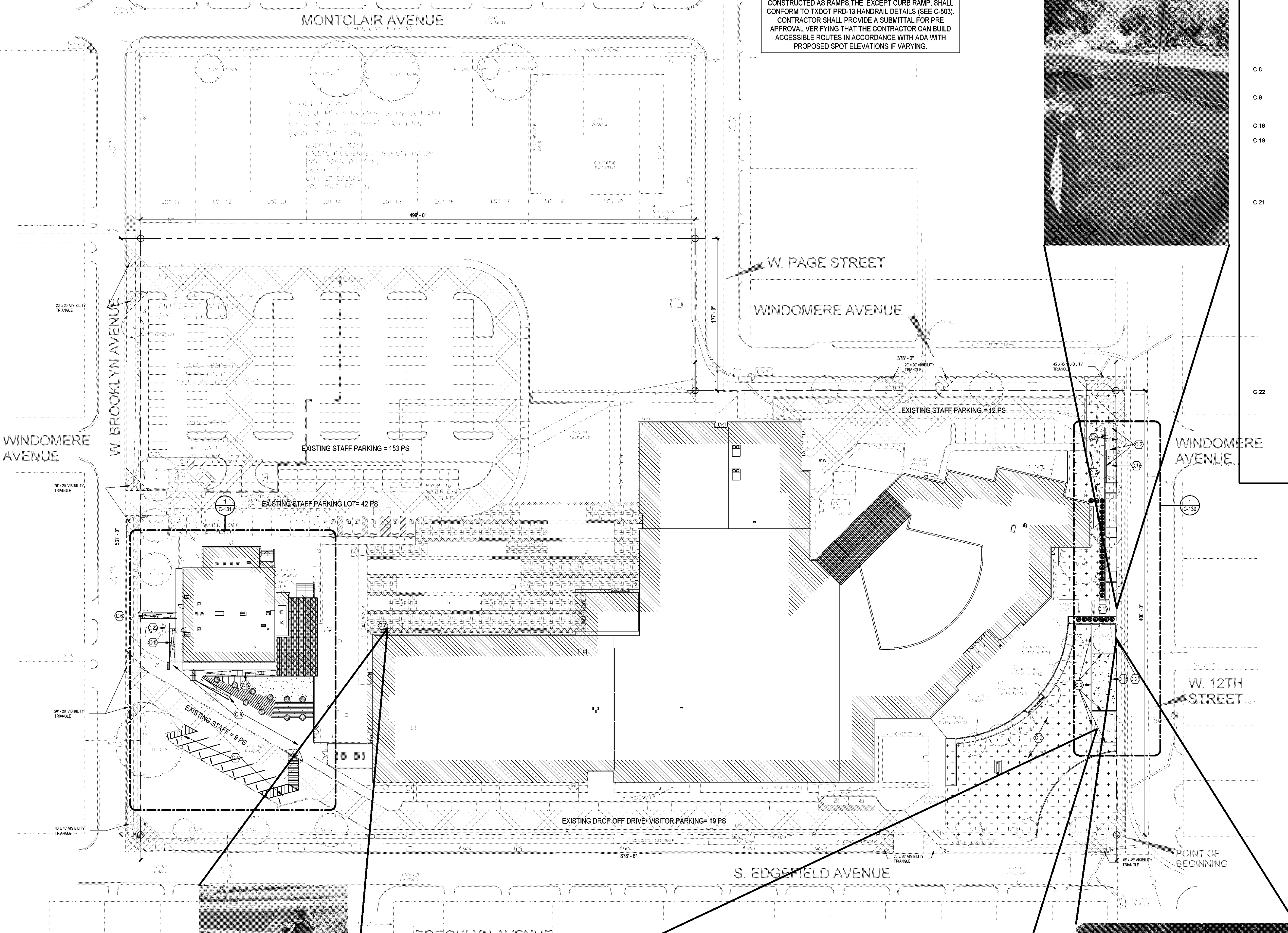
REVISION	DESCRIPTION	DATE
1	PROFESSIONAL SEALS	Firm Registration No. 15868 Page Southerland Page, Inc.

Denny Lee Kium
 Denny Lee Kium
 6560
 12/02/2024

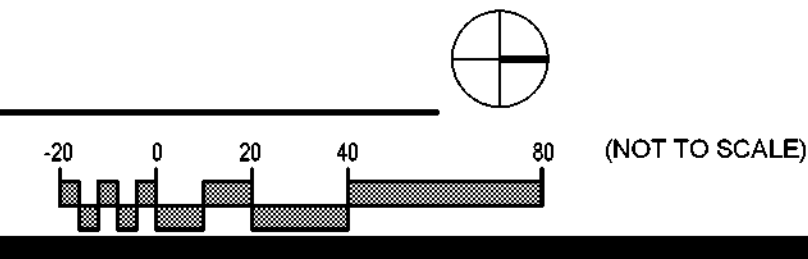
CIVIL GENERAL NOTES

GENERAL NOTES FOR AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBLE WALKS AND ADA CROSSING THE DRIVEWAY TO ADA PARKING SPACES INCLUDING THE SPACES:
 MODIFIED FROM STD. DWGS. SHEET NO. 1009 PAVING DETAILS CITY OF DALLAS, TEXAS.
 DEPARTMENT OF PUBLIC WORKS REVISED: DECEMBER 2021 (INCORPORATED BY REFERENCE).

- REMOVE A MIN. OF 4" OF CONCRETE FOR ADA RAMPS, LANDINGS AND WALKWAYS THAT REQUIRE MODIFICATION TO MEET ADA REQUIREMENTS.
- PROVIDE 1% TO 2% MIN. CROSS SLOPE ON DIRECTION OF TRAVEL ON ADA ROUTES. PROVIDE ADA ACCESSIBLE ROUTES BETWEEN LANDINGS PROVIDE 1% MIN. UP TO 5% RUNNING SLOPES (WITHOUT NEEDING TO PROVIDE RAILINGS) ON ADA ACCESSIBLE ROUTES BETWEEN LANDINGS. RUNNING SLOPES ALONG ACCESSIBLE ROUTES MAY EXCEED 2% UP TO 8% WHEN A LANDING IS PROVIDED EVERY 90' AND RAILS MUST BE PROVIDED ON BOTH SIDES OF ANY RAMP THAT EXCEEDS 5% RUNNING SLOPE. RAILS MUST EXTEND 1' INTO LANDING.
- LANDINGS MUST NOT EXCEED 2% SLOPE IN ANY DIRECTION, BUT SHOULD HAVE A MIN. SLOPE EXCEEDING 1%. LANDINGS MUST BE THE WIDTH OF THE RAMP (5' TYPICAL) AND AT LEAST 5' LONG. WHERE A RAMP EXCEEDS 5% RUNNING SLOPE INTERSECTS THE LANDING THE RAIL SHALL EXTEND INTO THE LANDING A MINIMUM OF 1'. LANDINGS MUST BE PROVIDED AT THE TOP AND BOTTOM OF ANY RAMP.
- IN THE AREA OF THE ADA PARKING SPACES SLOPES MAY NOT EXCEED 2% IN ANY DIRECTION. STRIPPED ADA CROSSWALKS MAY NOT EXCEED 5% RUNNING SLOPE ALONG DIRECTION OF TRAVEL AND MAY NOT EXCEED A 2% CROSS SLOPE.
- REPLACE CONCRETE SECTIONS OVER EXISTING CONCRETE IN ACCORDANCE WITH SPECIFICATIONS FOR CONCRETE TOPPER SLAB. CONCRETE ELEVATION DIFFERENCES AT JOINTS ALONG ACCESSIBLE ROUTE MUST NOT EXCEED 0.02".
- IF AFTER ADOPTION OF NEW CONSTRUCTION ANY OF THESE BASE ADA REQUIREMENTS ARE NOT MET IT WILL REQUIRE THE CONTRACTOR TO MAKE CORRECTIVE ACTION. PLEASE PROVIDE A SUBMITTAL SHOWING ALL OF THE ABOVE REQUIREMENTS ARE MET PRIOR TO CONSTRUCTION TO THE CIVIL ENGINEER FOR APPROVAL.
- SUBGRADE COMPACTION IF EXPOSED SHALL BE 98% STANDARD PROCTOR DENSITY AT 2" TO 4" OF OPTIMUM MOISTURE CONTENT. CERTIFIED DENSITY RESULTS MUST BE SUBMITTED TO ENGINEER AND TO AHP FOR PRIOR APPROVAL PRIOR TO CONCRETE PLACEMENT.
- INSTALL ONE REDWOOD JOINT AT EDGE THAT MATCHES TO CONCRETE TO REMAIN AT THE SIDEWALK SIDE (AS OPPOSED TO THE DRIVEWAY SIDE OF THE REPAIR). REDWOOD MUST BE INSTALLED THE FULL DEPTH OF CONCRETE.
- REPAIR WILL BE TIED TO EXISTING HARDSCAPE BY DOWELS THAT SHALL CONSIST OF NO. 5 DOWELS 18" LONG ON 12" CENTER DRILLED AND EPOXYED ONE SIDE THE OTHER SIDE DESIGNED TO SLIP.
- JOINT ELEVATION OFFSET VERTICALLY MUST NOT EXCEED 0.02".
- PROVIDE SAWCUT EXPANSION JOINT ON 5' CENTERS WITHIN 12 HOURS OF CONCRETE PLACEMENT AND AS SOON AS CONCRETE MAY BE ACCESSED WITHOUT TRAVELING.
- OTHERWISE MATCH EXISTING JOINT PATTERN.
- SEAL ALL JOINTS:
 A) ALL JOINTS SHALL BE SEALED.
 B) SEALANT SHALL BE AS SPECIFIED IN NCTCOG #144 HOT-APPLIED, 18 SPEC HOT-APPLIED POLYURETHANE SEALANT OR PRIOR APPROVED EQUAL. APPROVAL MAY BE OBTAINED THROUGH SUBMITTAL PROCESS TO ENGINEER (OF RECORD).
 C) JOINTS SHOULD BE CLEAN AND DRY PRIOR TO PLACEMENT OF SEALANT.
 D) MAXIMUM CROSS SLOPE SHALL BE NO GREATER THAN 2.00%. MAXIMUM RUNNING SLOPE WITHOUT A RAMP SHALL BE 5%. RAMPS MAY BE CONSTRUCTED UP TO 8.3% SLOPE WITH HAND RAILS ON BOTH SIDES CONFORMING TO ADA REQUIREMENTS.
 E) ANY BAR LAPS SHALL BE 3X TIMES DIAMETER OF THE SIZE OF THE BAR.
 F) BARS SHALL CONFORM TO CITY OF DALLAS STANDARD SPECIFICATIONS AND BE GRADE 60 KSI DEFORMED REINFORCING BARS.
 G) ALL SUBGRADE COMPACTION UNDER HARDSCAPE SHALL BE 98% STANDARD PROCTOR DENSITY AT 2" TO 4" OF OPTIMUM MOISTURE.



1 CIVIL - DEVELOPMENT PLAN - PD 306
 SCALE: 1" = 40'-0"



KEY PLAN

CIVIL - SITE & PAVING PLAN

DRAWN BY	CHECKED BY
CS	DK
PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL DATE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

C-101
 SHEET NUMBER

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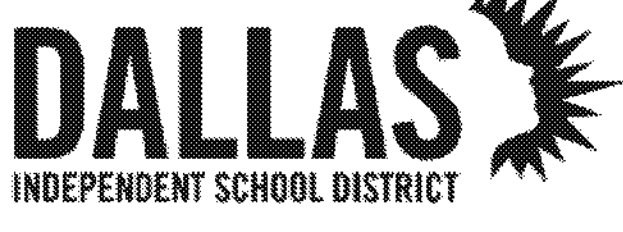
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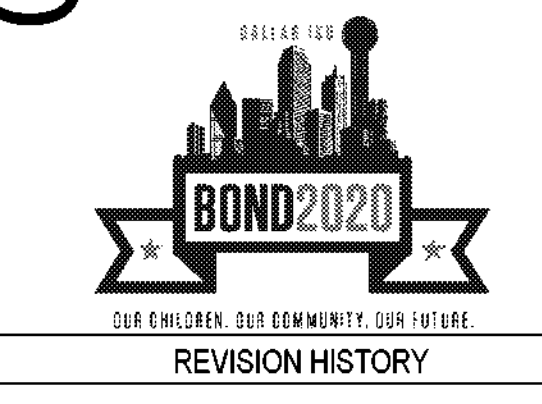
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REVISION HISTORY

REVISION	DESCRIPTION	PROFESSIONAL SEAL/REGISTRATION NO.	DATE

PROFESSIONAL SEAL/REGISTRATION NO. 15868
Page Southerland Page, Inc.
Denny Lee Kibum
DENNY LEE KIBUM
6868
12/02/2024

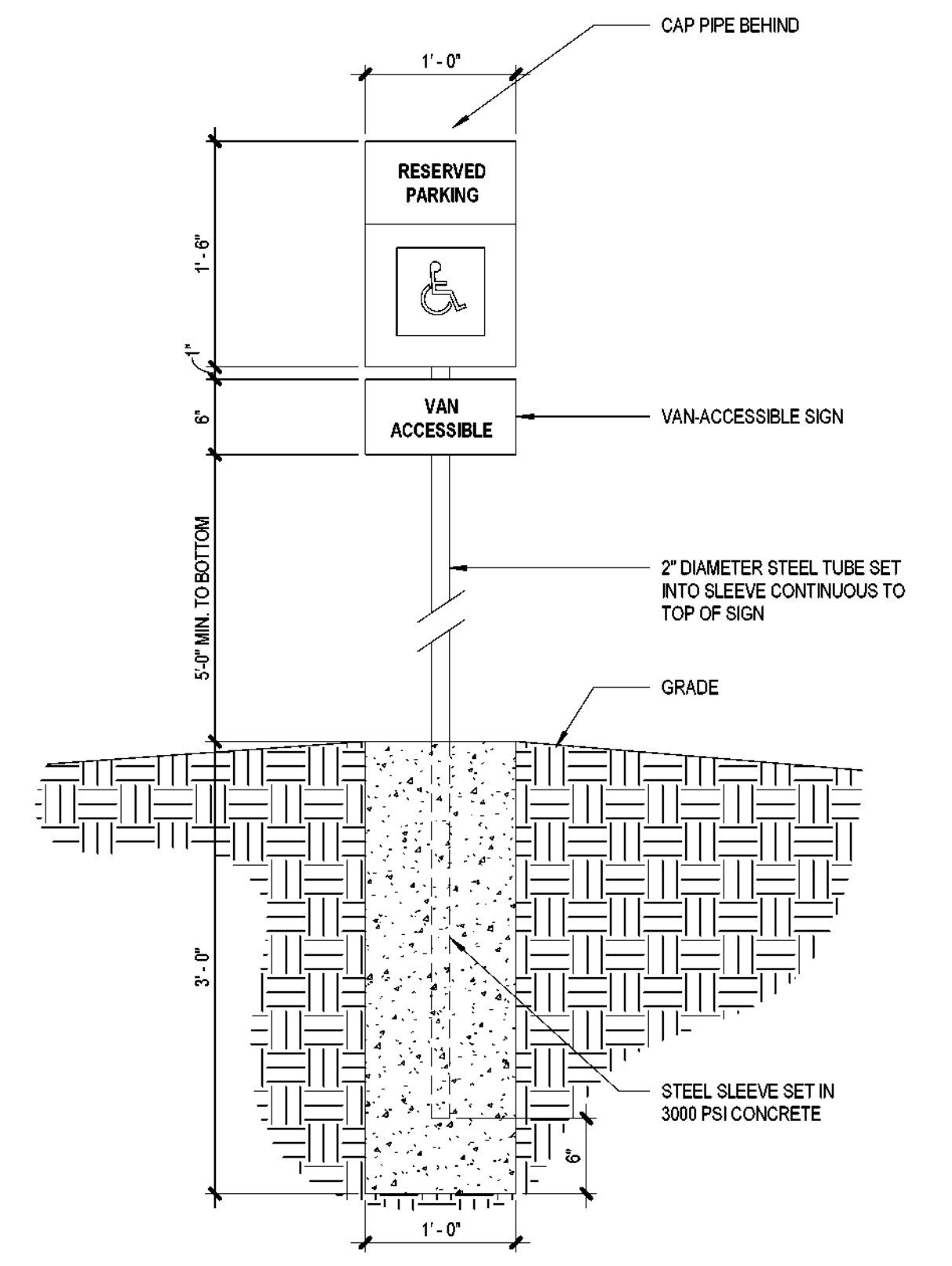
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DRAWN BY CS CHECKED BY DK
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

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SHEET NUMBER

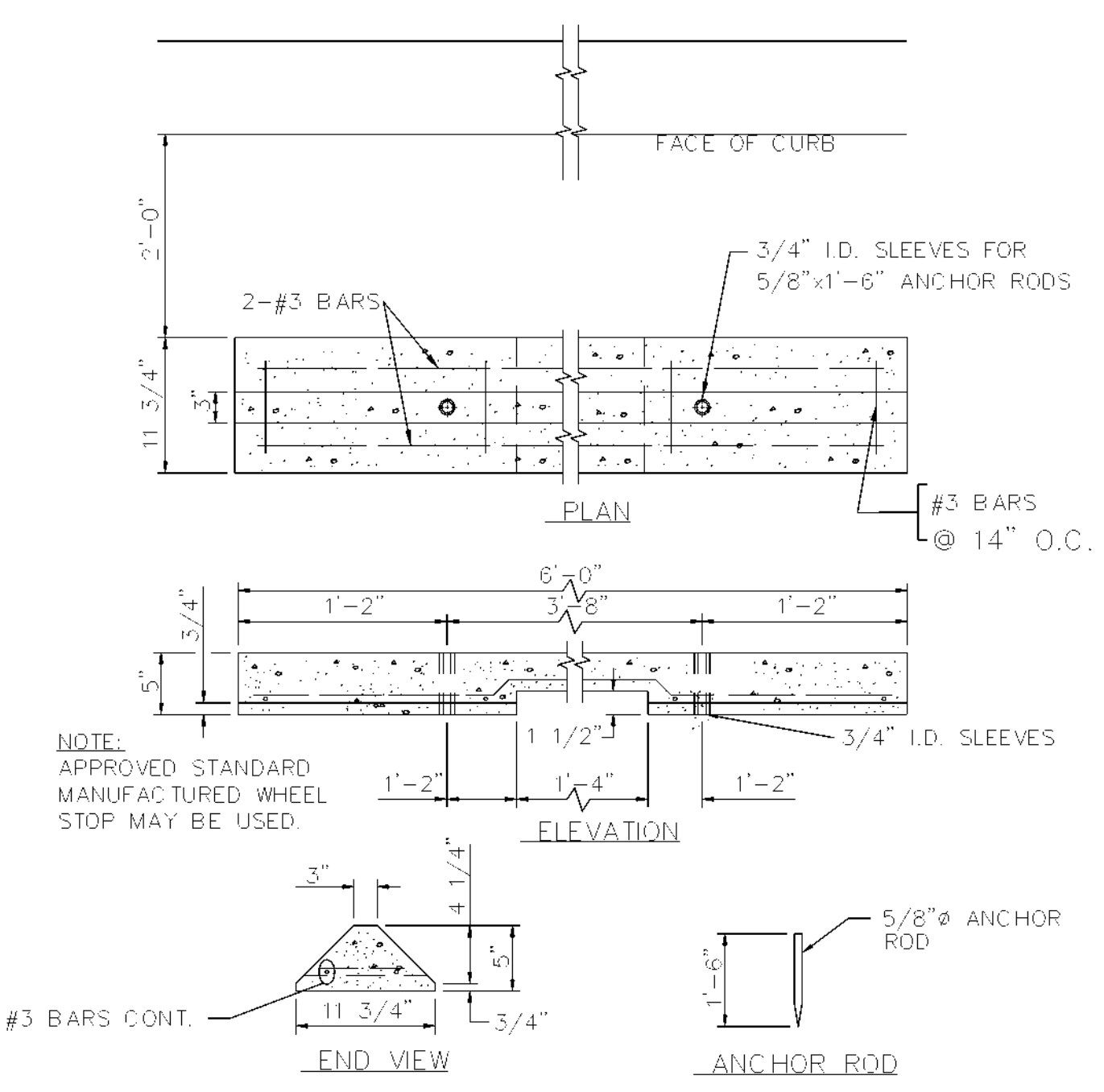
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CIVIL GENERAL NOTES

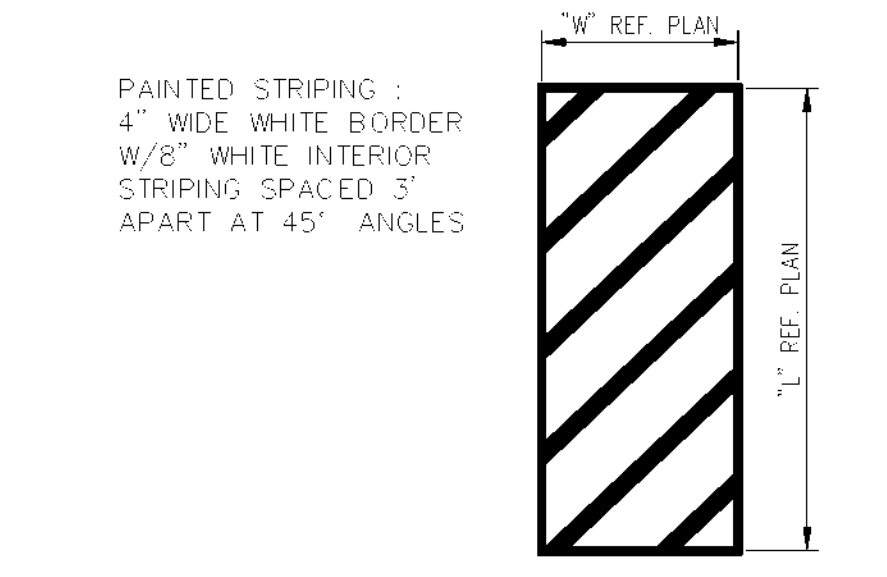
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 - LANDINGS MUST NOT EXCEED 2% SLOPE IN ANY DIRECTION, BUT SHOULD HAVE A MIN. SLOPE EXCEEDING 1.0%. LANDINGS MUST BE THE WIDTH OF THE RAMP (6" TYPICAL) AND AT LEAST 5' LONG. WHERE A RAMP EXCEEDING 5% RUNNING SLOPE INTERSECTS THE LANDING THE RAIL SHALL EXTEND INTO THE LANDING A MINIMUM OF 1'. LANDINGS MUST BE PROVIDED AT THE TOP AND BOTTOM OF ANY RAMP.
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 - SEAL ALL JOINTS.
 - ALL JOINTS SHALL BE SEALED.
 - SEALANT SHALL BE AS SPECIFIED IN NCTCOG #164 HOT-APPLIED, HI-SPEC HOT-APPLIED POLYMERIC SEALANT OR PRIOR APPROVED EQUAL (APPROVAL MAY BE OBTAINED THROUGH SUBMITTAL PROCESS TO ENGINEER OF RECORD).
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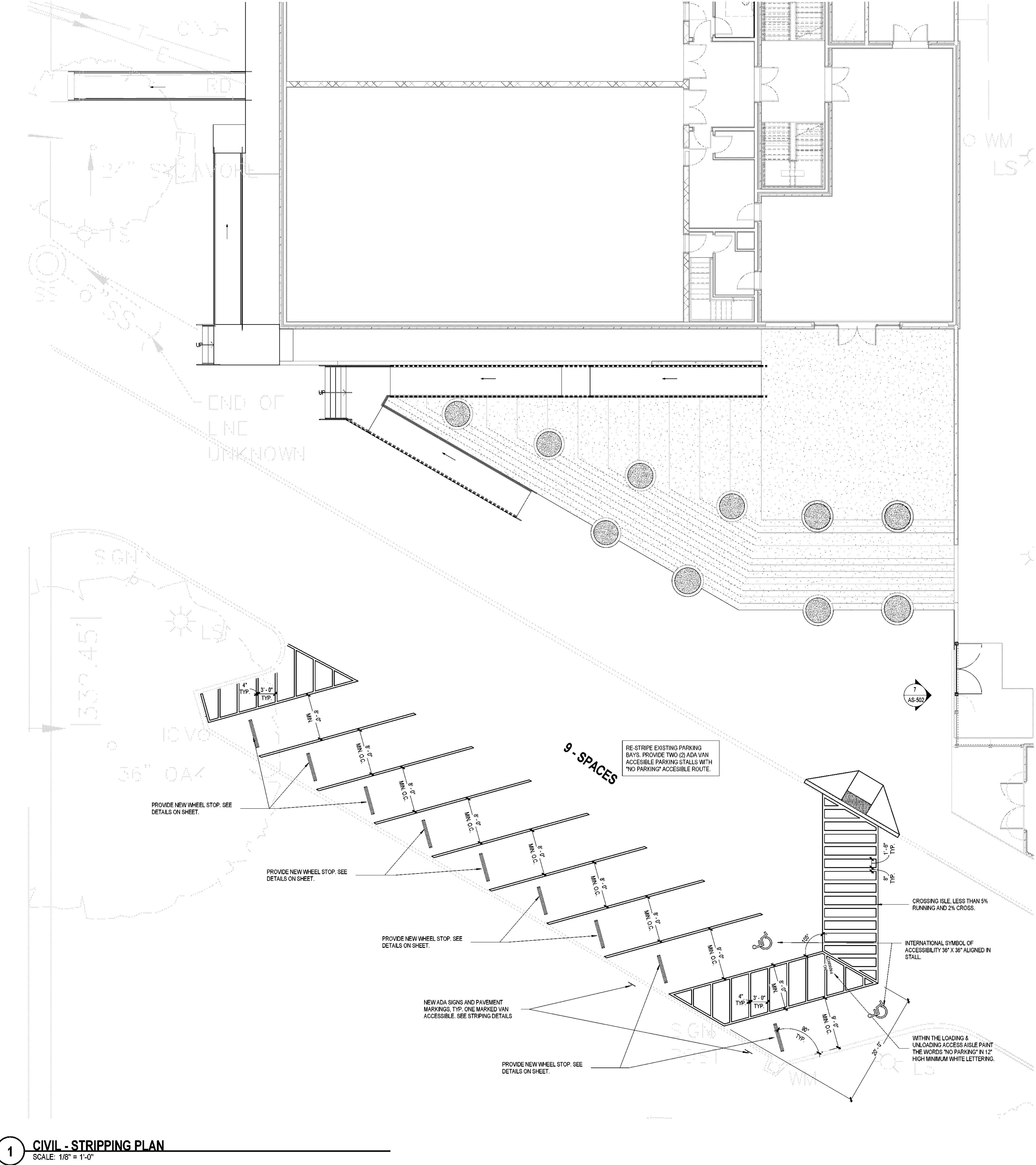
2 ACCESSIBLE PARKING SIGN
SCALE: 1" = 1'-0"



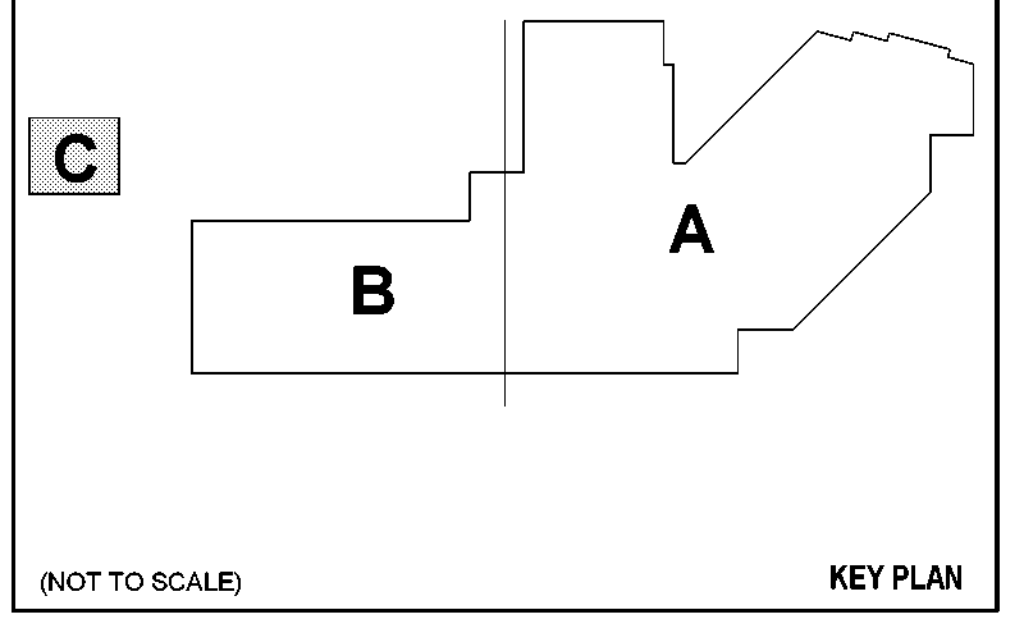
3 CIVIL - WHEEL STOP
NOT TO SCALE



4 STRIPING @ H.C. ACCESS ASLE
NOT TO SCALE



1 CIVIL - STRIPING PLAN
SCALE: 1/8" = 1'-0"



(NOT TO SCALE) KEY PLAN

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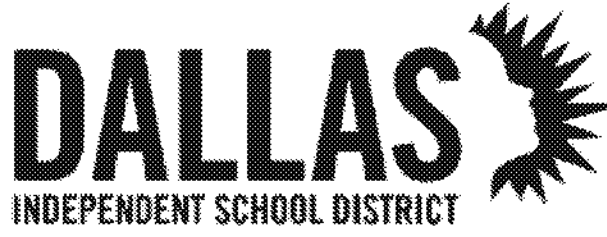
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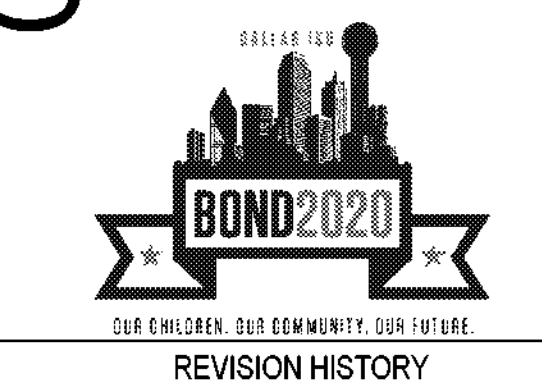
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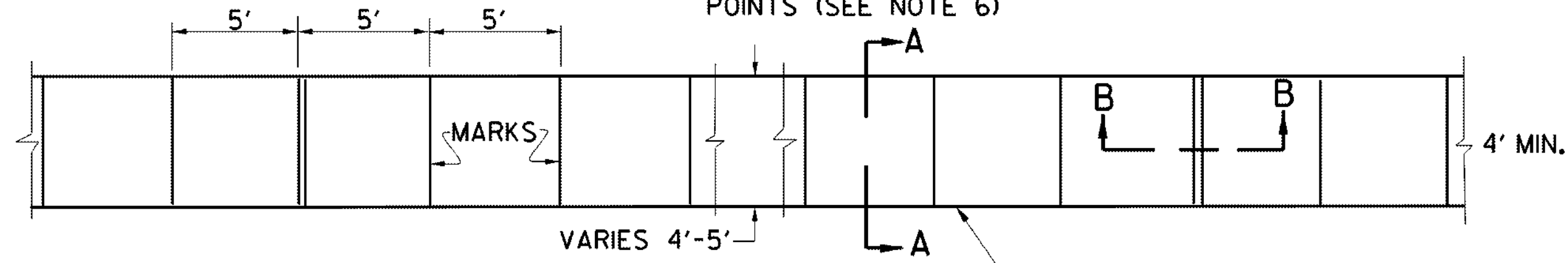
REVISION DESCRIPTION DATE
PROFESSIONAL SEALS Firm Registration No. 15868
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Denny Lee Kimm
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12/02/2024

CIVIL - FLATWORK DETAILS

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PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE DATE 12 JULY 2024
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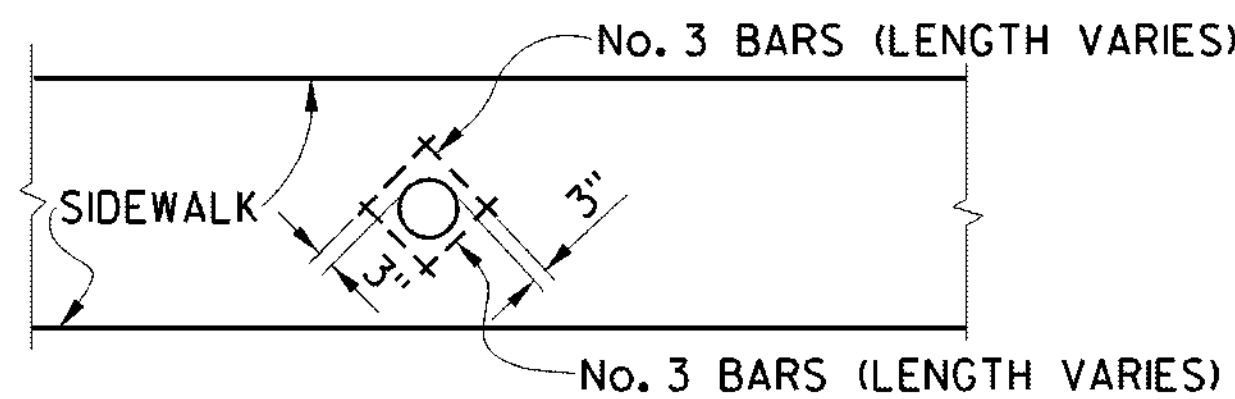
C-501
SHEET NUMBER

3/4" DOWEL BAR EXPANSION
JOINT WITH EXPANSION JOINT FILLER
EVERY 40' (MAX.) AND AT ALL RADII
POINTS (SEE NOTE 6)

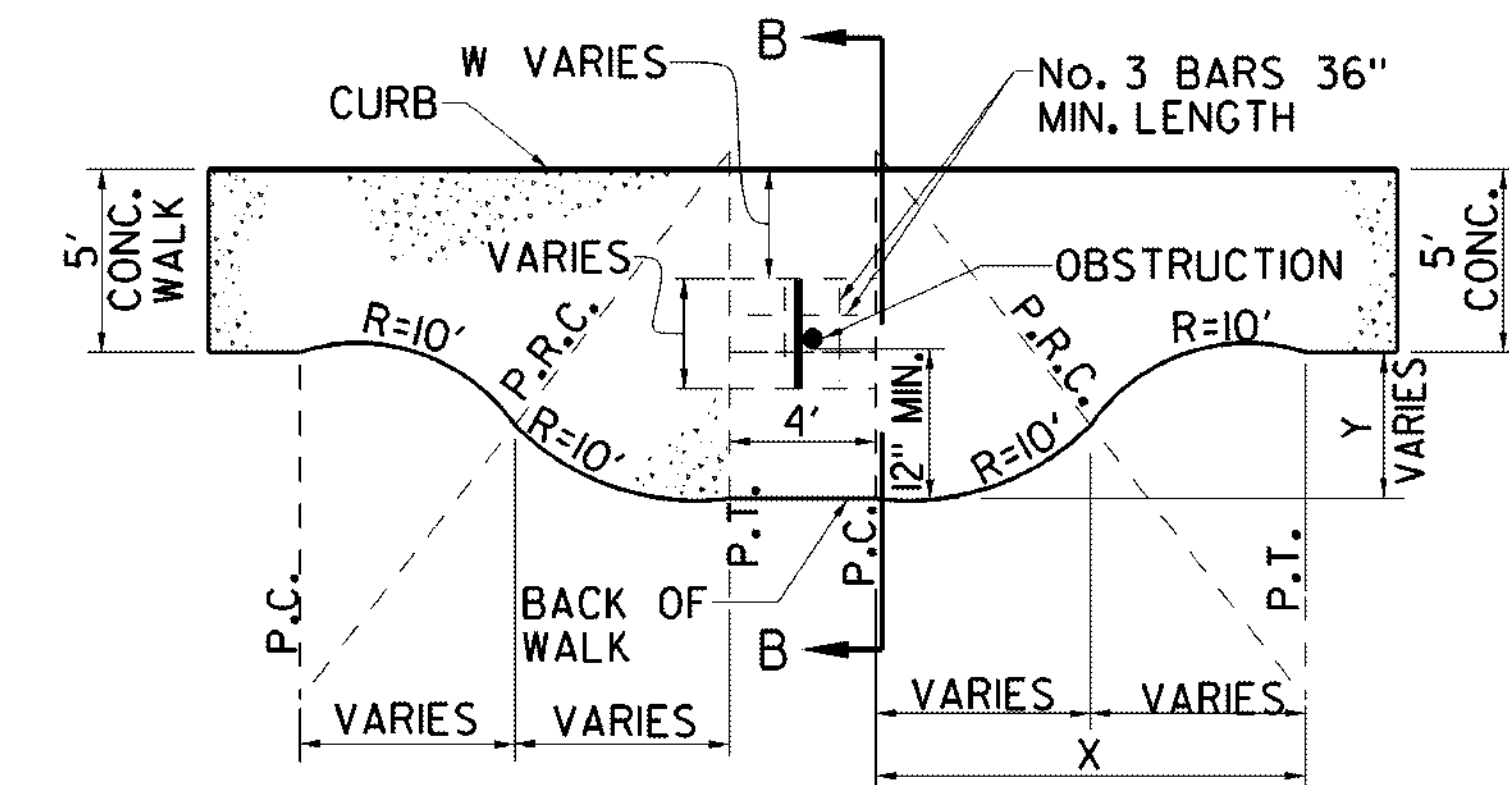


PLAN
REINFORCED CONCRETE SIDEWALK

NOTE:
No. 3 BARS @ 24" O.C. (E. W.) & 4 No. 3
BARS DIAGONAL @ METER
(IN ACCORDANCE WITH CURRENT DWU STANDARDS)



REINFORCING DETAIL AT WATER METERS IN SIDEWALK

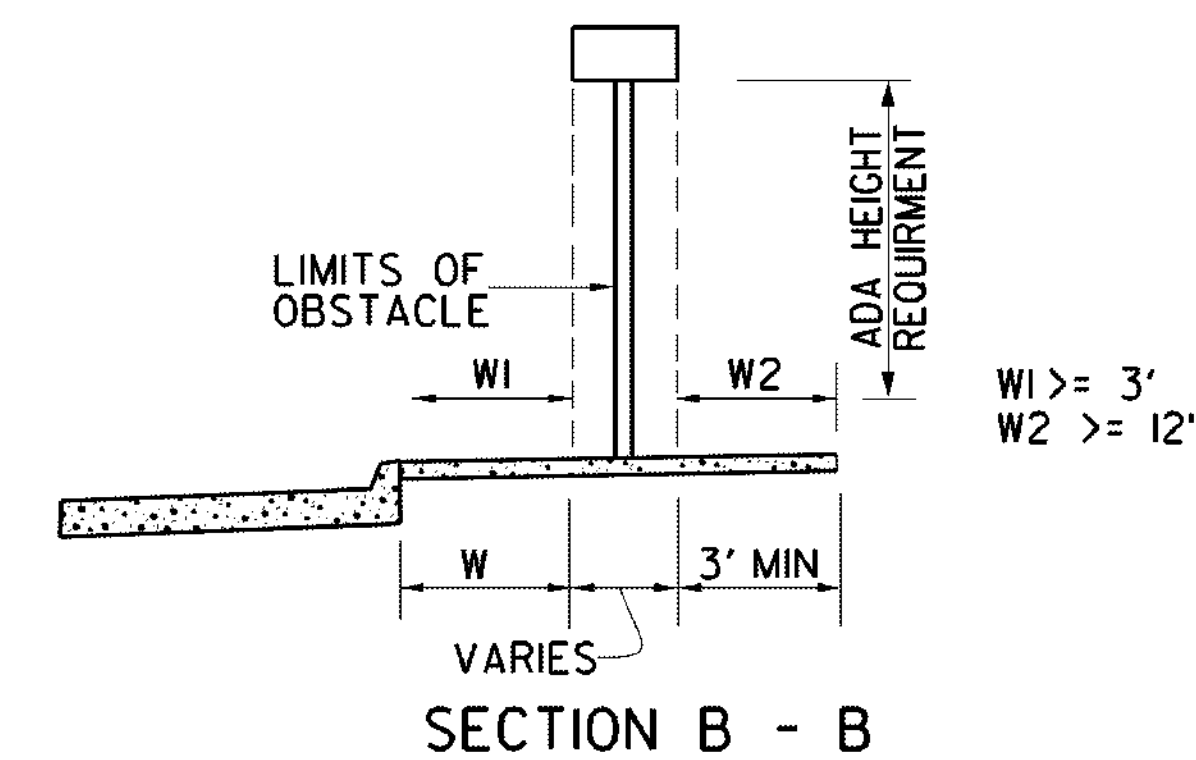


* EXPANSION MATERIAL MUST BE PLACED ADJACENT TO
THE BUILDING, STRUCTURE, WALL OR POLE WHEN
SIDEWALK IS POURED ADJACENT TO THESE ITEMS.

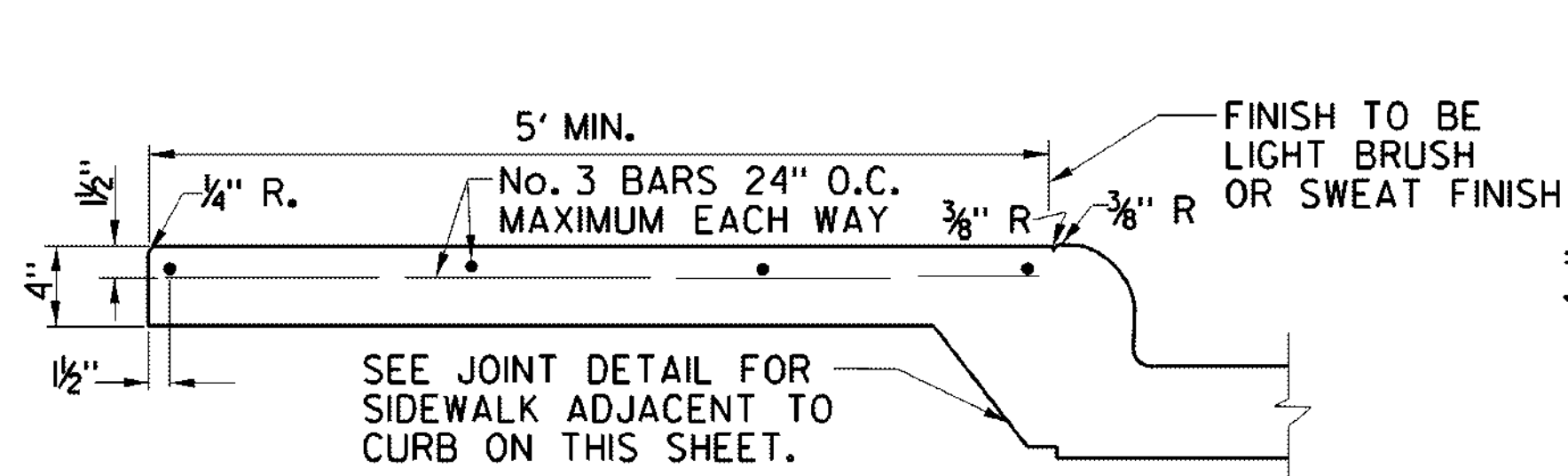
- NOTES:
1. IF "W" > MEETS ADA NO
WIDENING NECESSARY
EXCEPT POSSIBLY TO
OBTAIN MINIMUM DISTANCE
OF 1' TO EDGE OF SIDEWALK.
2. SAME WIDENING PLAN WILL
BE USED FOR WALK NOT
ABUTTING CURB.

Y=1'	X= 6.24'
Y=2'	X= 8.72'
Y=3'	X= 10.54'
Y=4'	X= 12.00'
Y=5'	X= 13.23'

SIDEWALK WIDENING REQUIRED
AROUND OBSTACLES IN SIDEWALK

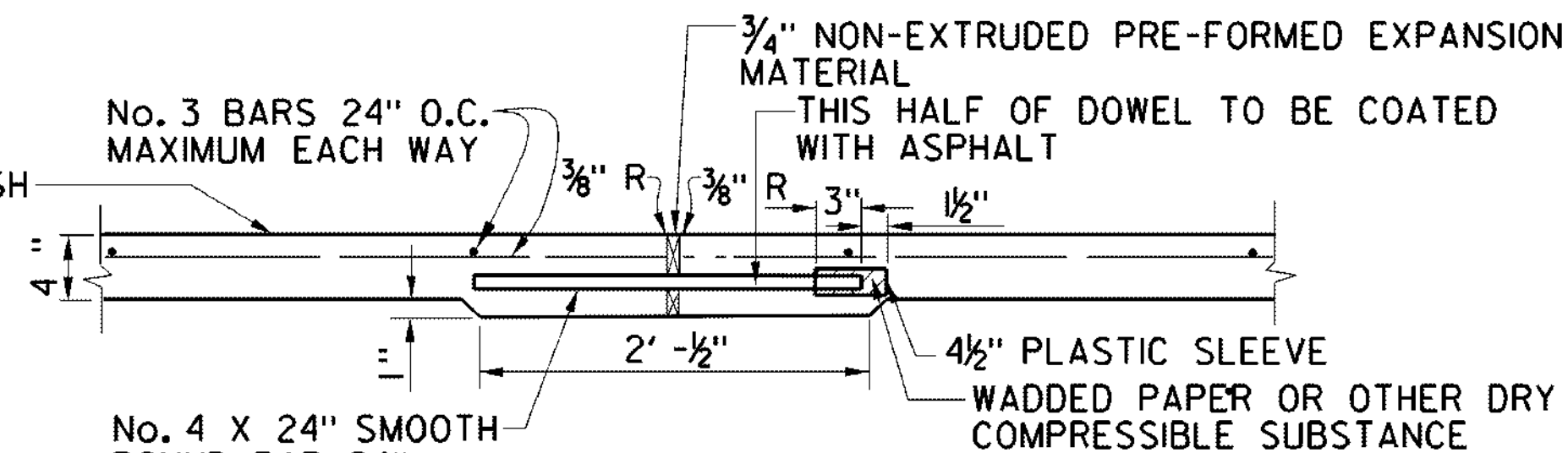


SECTION B - B



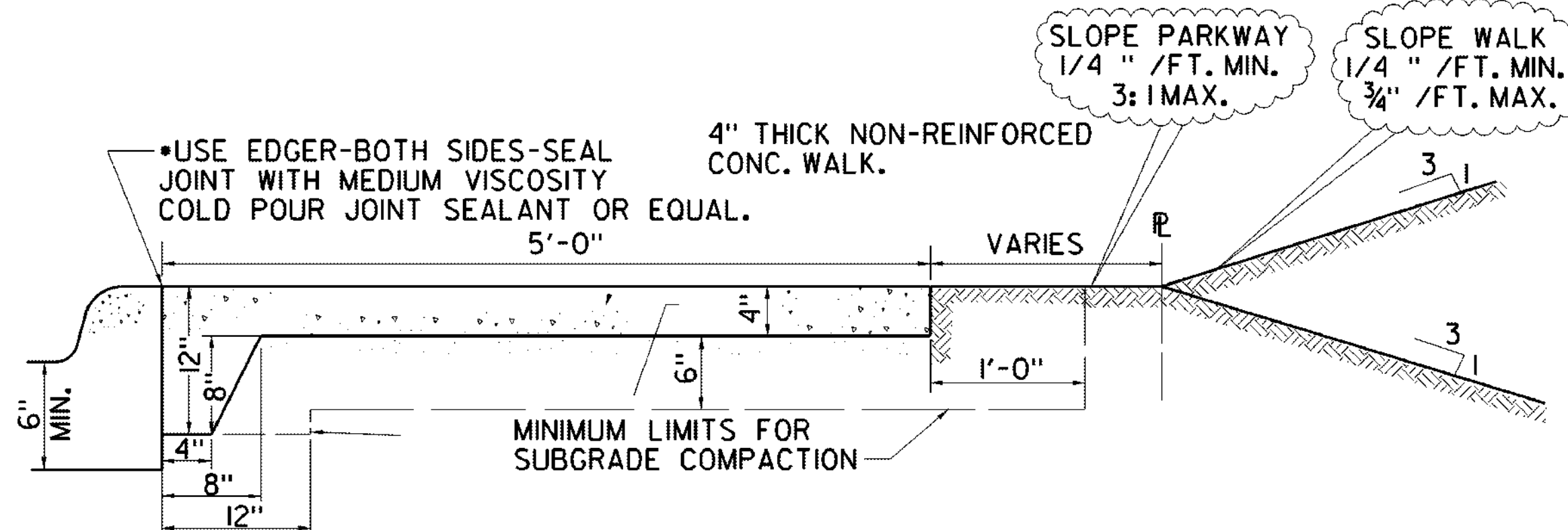
TYPICAL SECTION
A - A

MINIMUM CONCRETE STRENGTH FOR SIDEWALK IS 3000 PSI



EXPANSION JOINT DETAIL
B - B

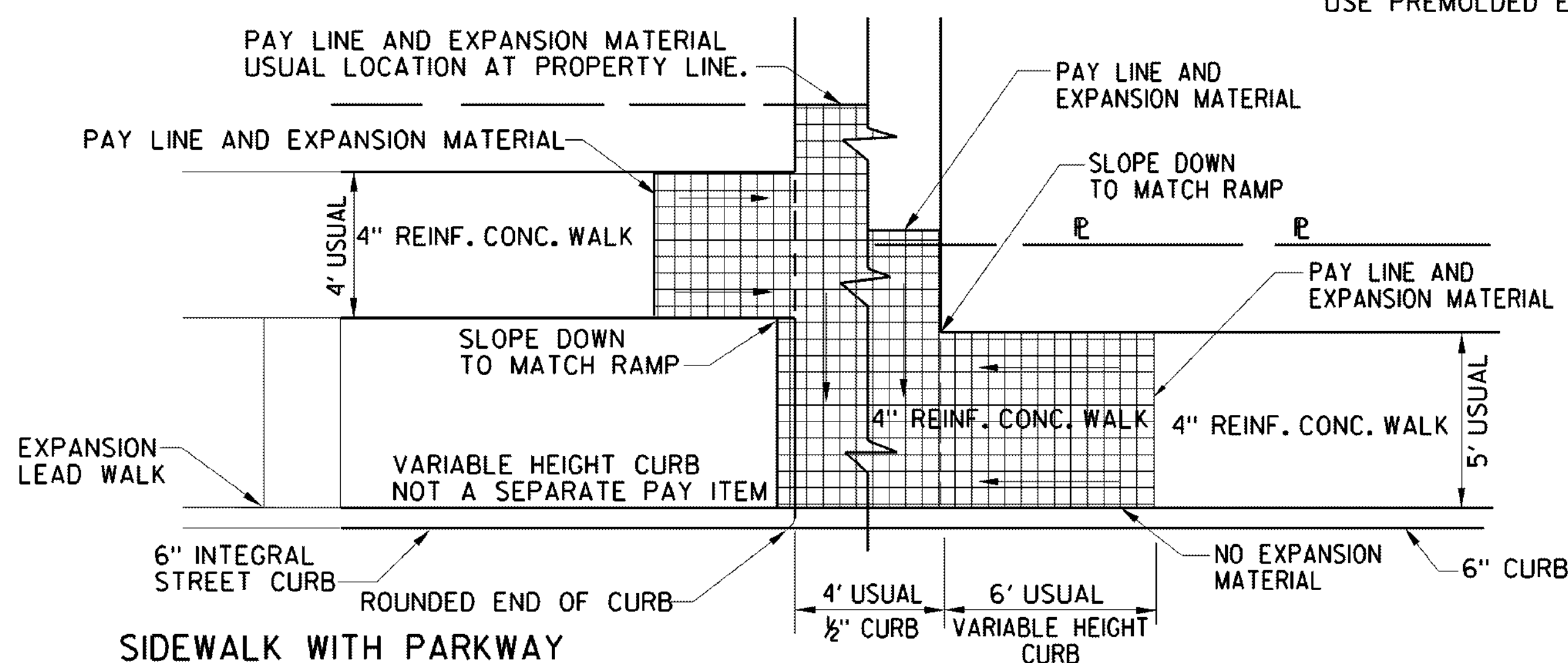
- NOTES:
1. ALL HONEYCOMB IN BACK OF CURB TO BE TROWEL-PLASTERED
BEFORE POURING SIDEWALK.
2. FOR SIDEWALKS AGAINST EXISTING CURB, KEYWAY SHALL BE
REPLACED WITH 12" LONG NO. 3 DEFORMED BARS DRILLED 4" INTO EXISTING
BACK CURB AND EPOXY GROUTED ON 24" CENTERS.
3. PAYMENT FOR KEYWAY SUBSIDIARY TO SIDEWALK LUG PAY ITEM.
4. PAYMENT FOR EXCAVATION, BORROW AND COMPACTION IS SUBSIDIARY
TO CONCRETE SIDEWALK PAY ITEM.
5. ALL BACKFILL SHALL BE COMPACTED IN LIFTS NOT TO EXCEED
6 INCHES TO 95% DENSITY WITH A MOISTURE WITHIN -2% TO -4%
OF OPTIMUM MOISTURE.
6. 3/4" EXPANSION JOINTS SHALL BE PROVIDED AT STREET EXPANSION
JOINTS AND AT A MAXIMUM 40 FOOT SPACING IN LINE WITH STREET SAW
JOINTS; A TOOL MARKED GROOVE SHALL BE PROVIDED IN LINE WITH
INTERMEDIATE STREET SAW JOINTS.
7. FOR SIDEWALK WIDTH, REFER TO CITY OF DALLAS STREET DESIGN MANUAL.
8. MINIMUM CONCRETE STRENGTH FOR SIDEWALK IS 3000 PSI.



JOINT DETAIL FOR SIDEWALK
ADJACENT TO CURB

SAME DETAIL FOR MEDIAN PAVEMENT -
USE PREMOLDED EXPANSION JOINT

BARRIER FREE RAMPS AT LEAD WALKS

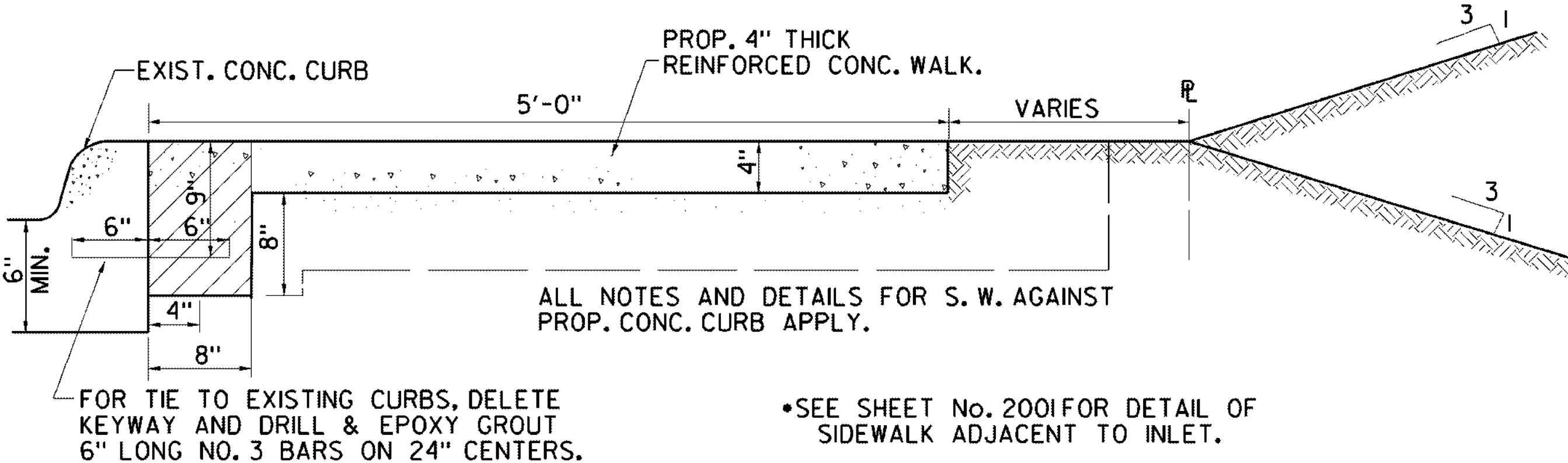


SIDEWALK WITH PARKWAY

SIDEWALK ABUTTING CURB

- NOTES:
1. NO SLOPE TO EXCEED 1" PER 1'
2. ACTUAL LOCATIONS OF RAMP LIMITS WILL BE
DETERMINED BY SLOPE OF RAMP AND GRADE
OF STREET.
3. WALK REINFORCEMENT WILL BE NO. 3 BARS
SPACED 24" O.C. MAX. EACH WAY
4. BROOM FINISH NEEDED.

NOTE:
FOR ANY SPECIAL RAMP
FOR EXISTING CONDITION
DESIGN ENGINEER MUST
INCLUDE DESIGN OF RAMP



SIDEWALKS AGAINST EXIST. CONC. CURB

*SEE SHEET No. 2001 FOR DETAIL OF
SIDEWALK ADJACENT TO INLET.

PAVING DETAILS	
REINFORCED SIDEWALKS	
DEPARTMENT OF PUBLIC WORKS CITY OF DALLAS, TEXAS	
DRAWINGS NOT TO SCALE REVISED: DECEMBER 2021	SHEET No. 1015

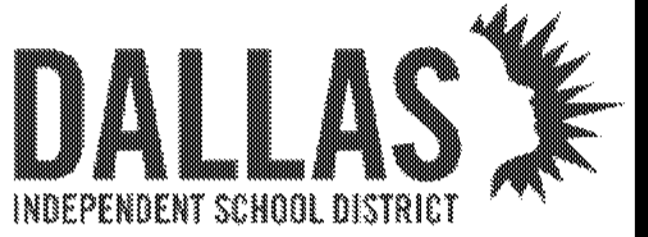
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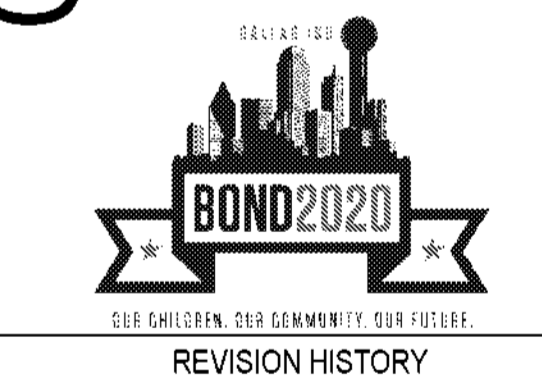
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ORG049 Greiner Exploratory Arts Academy
501 S Edgewood Ave
Dallas, TX 75208



REVISION HISTORY

NO.	DESCRIPTION	DATE

PROFESSIONAL SEAL: Firm Registration No. 15868
Page Southerland Page, Inc.

DENNY LEE KUMAN
65065
12/02/2024

CIVIL - RAILING DETAILS

DRAWN BY: CS CHECKED BY: DK
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAR
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION DATE: 12 JULY 2024

C-503
SHEET NUMBER

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DATE: 12/2/2024 10:34:44 AM

RECOMMENDED USAGE ⑨ ⑩

Dropoff Height/Condition	Recommended Rail Options
<30" dropoff	TY A, TY B, TY C, or TY D
≥ 30" dropoff, or along Bike Path	TY E or TY F

SECTION A-A (Showing Handrail) TY A
SECTION B-B (Showing Handrail) TY B
SECTION C-C (Showing Handrail) TY C
SECTION D-D (Showing Handrail) TY D

PEDESTRIAN HANDRAIL DETAILS PRD-13

TEXAS DEPARTMENT OF TRANSPORTATION
Design Division Standard

FILE: prd13.dgn DATE: 12/02/2024 10:34:44 AM
CONT: December 2006 SECT: JOB: HIGHWAY
REVISED: MAY, 2013 (VP)

- ① Parallel to ground.
- ② One shop splice per panels permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ③ Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ④ See Ramp Details located elsewhere in plans for ramp slope and dimensions. Maximum ramp slope will not exceed 8.3 percent. Leveling required for each 30" rise if grade exceeds 5 percent.
- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp / sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.
- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). See "Post Mount Detail" for crimping and trimming post to fit Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.
- ⑦ See "Handrail Fabrication Details" for Splice Joints.
- ⑧ 5/8" Dia. Round Bar equalspacing at 4 1/2" Max. Plumb all pickets.
- ⑨ When needed for accessibility (grade > 5 percent) or as needed for pedestrian safety.
- ⑩ Not to be used on bridges.
- ⑪ See "General Notes" for anchor bolt information.

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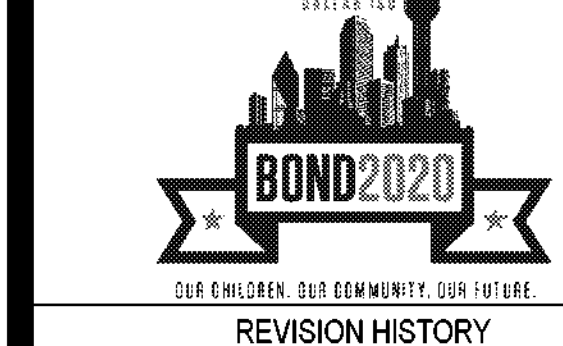
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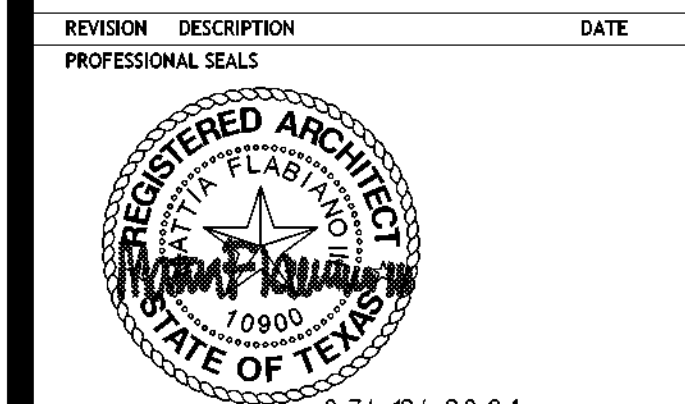
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ORG049 Greiner Exploratory Arts Academy
501 S Edgefeld Ave
Dallas, TX 75208



REVISION	DESCRIPTION	DATE



ARCHITECTURAL - DEMOLITION PLAN
- LEVEL 01 - AREA A

DRAWN BY CS	CHECKED BY CH
PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL CODE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

AD-101-A
SHEET NUMBER

DEMOLITION PLAN LEGEND	
SYMBOL	DESCRIPTION
	NOT IN CONTRACT (N.I.C.)
	CONSTRUCTION CONTRACTOR TO COORDINATE WITH CENTER ADMINISTRATOR
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	FLOORING/WALL DEMOLITION SCOPE. REFERENCE KEYNOTE.
	EXISTING CONSTRUCTION TO REMAIN

CITY OF DALLAS
APPROVAL STAMP FOR PUBLIC PARTICIPATION

CITY OF DALLAS
APPROVAL STAMP FOR PUBLIC PARTICIPATION

KEYED NOTES	
NUMBER	DESCRIPTION
AD.06	REMOVE EXISTING MAIN STAGE CURTAIN. RETURN TO OWNER. MAINTAIN EXISTING COMPATIBLE HANGING HARDWARE FOR INSTALLATION OF NEW CURTAIN IN KIND.
AD.07	DEMOLISH EXISTING LOCKERS AS INDICATED. PATCH AND REPAIR SURFACES BEHIND DEMOLISHED ITEMS AS NECESSARY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH STAFF IN REMOVAL AND SAFEKEEPING OF PERSON AND SCHOOL OWNED ITEMS.
AD.08	DEMOLISH EXISTING MARLEY FLOOR. PROVIDE NEW. PREP FLOOR AS NECESSARY.
AD.21	DEMOLISH EXISTING ACOUSTIC PANELS ON WALLS. PREPARE SURFACE FOR NEW WALL TREATMENT. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH STAFF IN REMOVAL AND SAFEKEEPING OF PERSON AND SCHOOL OWNED ITEMS.

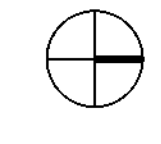
DEMOLITION PLAN GENERAL NOTES

- COORDINATE ALL DEMOLITION WITH THE INFORMATION PROVIDED IN THIS SET OF CONTRACT DOCUMENTS.
- ALL MATERIAL TO BE DEMOLISHED AND REMOVED SHALL BE DISPOSED OF AS APPROVED BY LOCAL ORDINANCE AND CODES.
- THE EXISTING AREAS TO REMAIN SHALL BE PROTECTED. ALL DAMAGE RESULTING FROM WORK IN THIS CONTRACT SHALL BE RETURNED TO ITS ORIGINAL STATE. CAREFULLY DISMANTLE AND REMOVE MATERIALS SHOWN ON PLANS TO BE DEMOLISHED. NOTIFY ARCHITECT PRIOR TO CONSTRUCTION OF ANY DEMOLITION WORK THAT MAY DAMAGE THE INTEGRITY OF ANY MATERIALS WHICH ARE TO REMAIN AS EXISTING.
- PARTS OF THIS BUILDING WILL BE ACTIVE. THE CONTRACTOR SHALL COORDINATE ALL SYSTEM SHUT DOWNS WITH THE FACILITY MANAGER. THE CONTRACTOR SHALL INFORM THE FACILITY MANAGER OF SCHEDULE DURATION AND AREAS AFFECTED AND SHALL RECEIVE OWNER APPROVAL PRIOR TO SHUT DOWN COMMENCEMENT.
- THE PREMISES IN WHICH WORK IS BEING PERFORMED SHALL BE KEPT CLEAN AT ALL TIMES.
- EXISTING CONCRETE SLABS INTENDED TO REMAIN SHALL BE REPAIRED AND FLOATED LEVEL W/ SURROUNDING SLABS AND PREPARED TO RECEIVE NEW FINISH.
- DOORS, FRAMES, HARDWARE, PLUMBING AND ELECTRICAL DEVICES AND FIXTURES, ETC. NOT REUSED SHALL BE DELIVERED TO OWNER. COORDINATE THIS WITH THE OWNER.
- REMOVE ALL CONDUCTORS, CONDUIT AND BOXES BACK TO PANEL IN RENOVATED AREA. REMOVE ALL RELATED STRAPS AND HANGERS - RE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- REMOVE ALL PLUMBING FROM RENOVATED AREA TO NEAREST JUNCTURE WHERE THE LINE IS STILL USED AND CAP. REMOVE RELATED UNUSED STRAPS AND HANGERS. RE PLUMBING DRAWINGS FOR MORE INFORMATION. PLUMBING LINE SERVING OTHER AREAS SHALL BE KEPT. CONTRACTOR IS TO VERIFY PLUMBING LINES PRIOR TO DEMOLITION. RE PLUMBING DRAWINGS FOR MORE INFORMATION.
- REMOVE ALL HVAC DUCTWORK IN RENOVATED AREA TO NEAREST JUNCTURE WHERE THE DUCT IS STILL IN USE AND CAP AS REQUIRED. REMOVE ALL RELATED STRAPS AND HANGERS. RE MECHANICAL DRAWINGS FOR MORE INFORMATION.
- DURING CONSTRUCTION, MAINTAIN NEGATIVE AIR PRESSURE ON CONSTRUCTION ZONE WHILE MAINTAINING POSITIVE PRESSURE ON THE NON-CONSTRUCTION ZONE.
- MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE. IDENTIFY AND PROTECT AGAINST DAMAGE DURING DEMOLITION. THE CONTRACTOR IS TO REFERENCE THE CIVIL DOCUMENTS AND TO NOTIFY THE OWNER, ARCHITECT, AND CIVIL ENGINEER IF ANY UTILITIES ARE UNCOVERED DURING THE DEMOLITION PHASE THAT ARE NOT IDENTIFIED IN THE DOCUMENTS PROVIDED.
- ANY AND ALL FIRE PROOFING LOST FROM DEMOLITION WORK MUST BE REPAIRED AS REQUIRED FOR CODE RELATED RATINGS.
- PROVIDE TEMPORARY WEATHER PROTECTION DURING INTERVAL BETWEEN INSTALLATION OF NEW CONSTRUCTION SO AS TO ENSURE THAT NO WATER LEAKAGE OR DAMAGE OCCURS TO THE STRUCTURE OR INTERIOR AREAS OF THE EXISTING BUILDING. REMOVE TEMPORARY PROTECTIONS AT COMPLETION OF WORK.
- REMOVE EXISTING CEILINGS AND CEILING SUPPORT SYSTEM WHERE NEW CEILINGS ARE INDICATED, UNLESS NOTED OTHERWISE.
- REMOVE EXISTING FINISHES AS REQUIRED AS PER FINISH MANUFACTURER'S PRINTED INSTRUCTIONS. SEE FINISH SCHEDULE FOR NEW FINISHES.
- PROTECT EXISTING FIRE PROOFING OR FIRE ASSEMBLIES INDICATED TO REMAIN. DAMAGE DURING DEMOLITION SHALL BE REPAIRED TO CONFORM TO ORIGINAL FIRE PROTECTION REQUIREMENTS.
- AREA OR OBJECTS IDENTIFIED AS "EXISTING TO REMAIN" OR "NOT IN CONTRACT" SHALL BE PROTECTED. ALL DAMAGE TO THESE AREAS RESULTING FROM DEMOLITION WORK WITHIN THIS CONTRACT SHALL BE RETURNED TO ITS ORIGINAL STATE.
- ALL INFORMATION REGARDING EXISTING CONDITIONS IS BASED ON OWNER SUPPLIED DOCUMENTS AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS DEPICTING EXISTING CONDITIONS OR UPON DISCOVERY OF UNKNOWN CONDITIONS DETRIMENTAL TO THE COMPLETION OF THE WORK AS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT, IN WRITING, OF THE CONDITIONS IN QUESTION BEFORE PROCEEDING WITH THE WORK IN THAT AREA.
- COORDINATE ALL DEMOLITION FROM ALL DISCIPLINES WITH THE INFORMATION PROVIDED ON CONTRACT DOCUMENTS.
- COORDINATE OWNER WALK THROUGH TO IDENTIFY ALL ITEMS TO BE SALVAGED FOR THE OWNER'S RE-USE INCLUDING BUT NOT LIMITED TO MEDICAL EQUIPMENT, FRAMED DOCUMENTS, SIGNGRAPHIC ART, HISTORICAL COLLECTIBLES, ETC. REMOVE ITEMS THIS IDENTIFIED AND GIVE TO THE OWNER, OR STORE FOR RE-USE AT PER OWNER'S DIRECTION.
- THIS PLAN IS BEING ISSUED FOR THE PURPOSE OF ASSISTING THE CONTRACTOR IN BETTER UNDERSTANDING THE PROJECT SCOPE. IT SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS.
- REFER TO ELECTRICAL DWGS FOR LIGHTING PROTECTION.
- RAISE ALL EXISTING AND REMAINING EQUIPMENT CURBS, VENTS, PENETRATIONS AND ASSOCIATED CONDUIT/WIRE AND PIPING TO MEET THE 14" MIN. FLASHING HEIGHT.

NOTE TO CONTRACTOR:
ALL EXISTING CLOCKS TO BE REMOVED AND RETURNED TO OWNER. AND CALL BUTTONS TO BE DEMOLISHED. PATCH AND REPAIR WALLS AS NEEDED. REFERENCE TECHNOLOGY SERIES DRAWINGS.

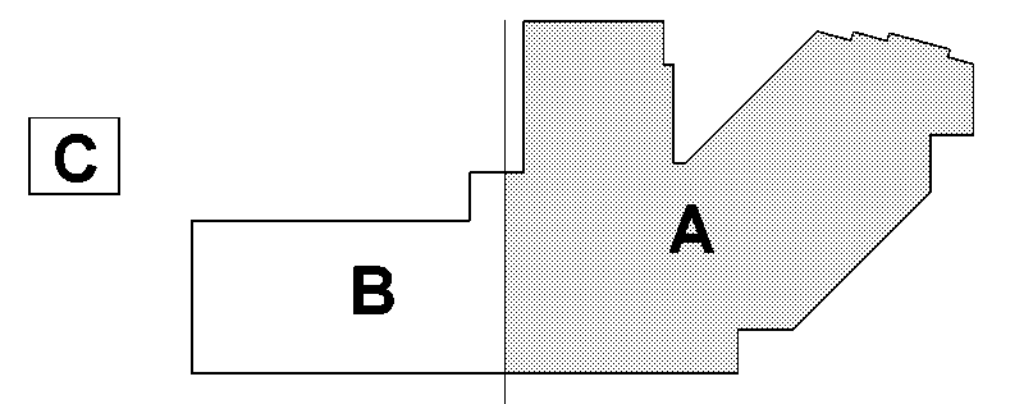


1 ARCHITECTURAL - DEMO FLOOR PLAN - LEVEL 01 - AREA A
SCALE: 1/16" = 1'-0"



(NOT TO SCALE)

KEY PLAN



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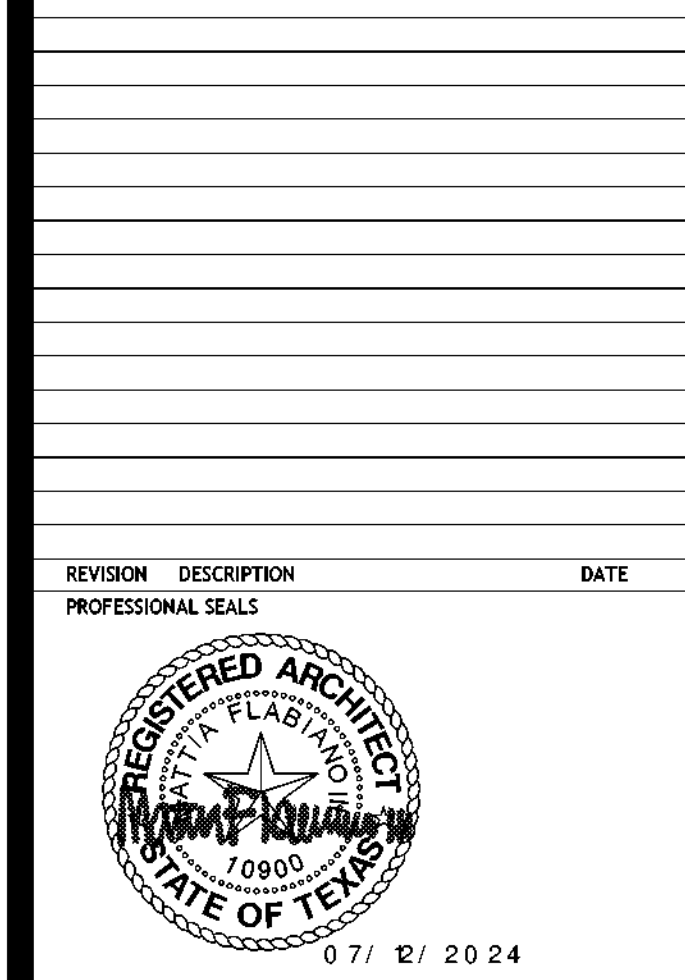
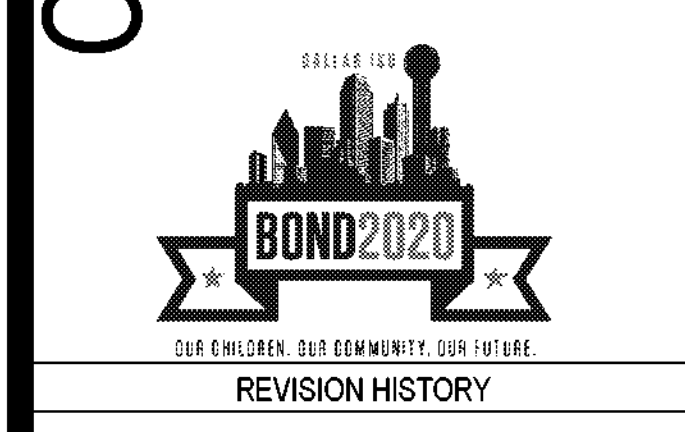
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ARCHITECTURAL - FLOOR PLAN - LEVEL 01

DRAWN BY: CS
PROJECT NUMBER: 32AC23037
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION

CHECKED BY: CH
PROJECT ABBREVIATION: GEA
DATE: 12 JULY 2024

A-101
SHEET NUMBER

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PLUMBING EXPLANATION

CITY OF DALLAS
APPROVAL STAMP FOR
MECHANICAL EXPLANATION

FLOOR PLAN GENERAL NOTES

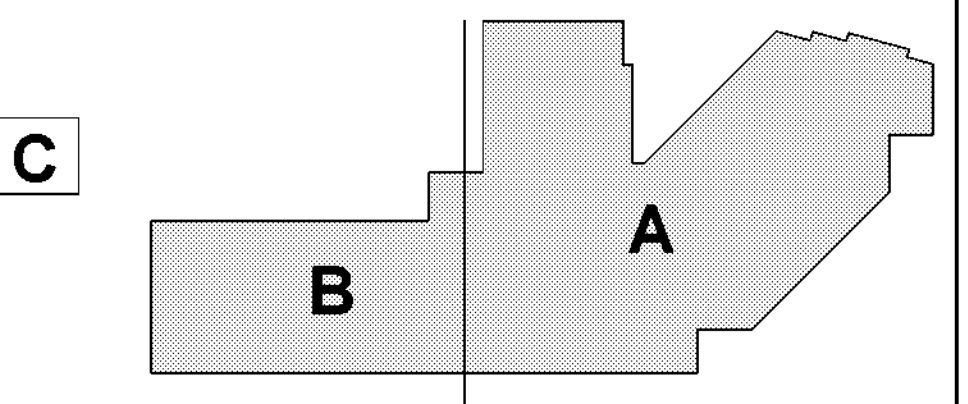
- ALL UNMARKED PARTITIONS ARE TYPE A3. ALL COLUMN FLOORING TO BE PARTITION TYPE F7 UNLESS NOTED OTHERWISE.
- ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED ON AREA PLANS.
- FOR FIRE AND LIFE SAFETY PLANS, REFER TO G1 DRAWINGS.
- ROOF PLAN SHOWN FOR REFERENCE ONLY. REFER TO ROOF PLAN FOR NOTES AND DIMENSIONS.
- REFER TO A2 SERIES DRAWINGS, EXTERIOR ELEVATIONS, A3 BUILDING AND WALL SECTIONS.
- REFER TO A6 SERIES FOR ALL PARTITIONS, DOORS, WINDOWS, AND ACCESSORIES.
- INSTALL APPROPRIATE MANUFACTURED EXPANSION JOINT COVERS AT ALL VISIBLE BUILDING EXPANSION JOINTS. TOP OF COVER OF FLOOR EXPANSION JOINT COVERS TO BE FLUSH WITH TOP OF FINISHED FLOOR.
- ALL PARTITION DIMENSIONS ARE TAKEN FROM THE CENTERLINE OF COLUMNS AND TO THE DRYWALL FACE.
- INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES.
- AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.
- GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSING. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS (A5 SERIES SHEETS), AND WINDOW DOOR SCHEDULE DETAILS (A6 SERIES). CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILS FOR CLARIFICATION REQUIRED.
- REPLACE EXTERIOR WATERPROOFING/SEALANT JOINTS INCLUDE ALL EXTERIOR WALL CONTROL/EXPANSION JOINTS, MATERIAL TRANSITIONS, AROUND DOOR AND WINDOW FRAMES, WALL PENETRATIONS, ETC.).
- CONTRACTOR TO PROVIDE 7 COATS OF WAX TO ALL NEWLY INSTALLED VCT FLOORING BEFORE SUBSTANTIAL COMPLETION OF PROJECT. WAX FINISH SHALL BE DIVERSITY FLOOR FINISH VECTRA OR APPROVED ALTERNATIVE.

KEYED NOTES

NUMBER	DESCRIPTION
A.3	REPLACE EXTERIOR WATERPROOFING/SEALANT JOINTS (INCLUDE ALL EXTERIOR WALL CONTROL/EXPANSION JOINTS, MATERIAL TRANSITIONS, AROUND DOOR AND WINDOW FRAMES, WALL PENETRATIONS, ETC.).

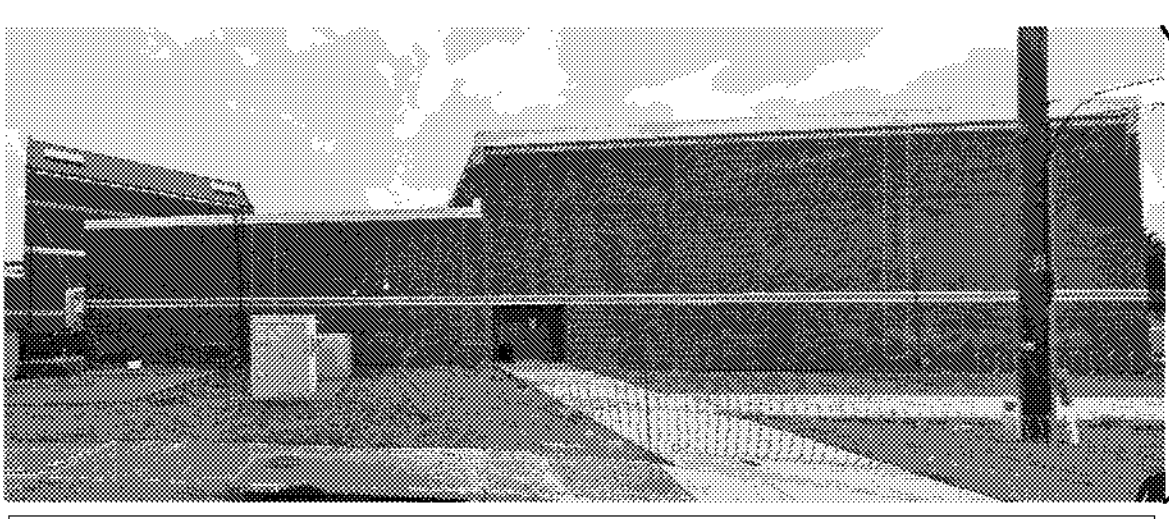
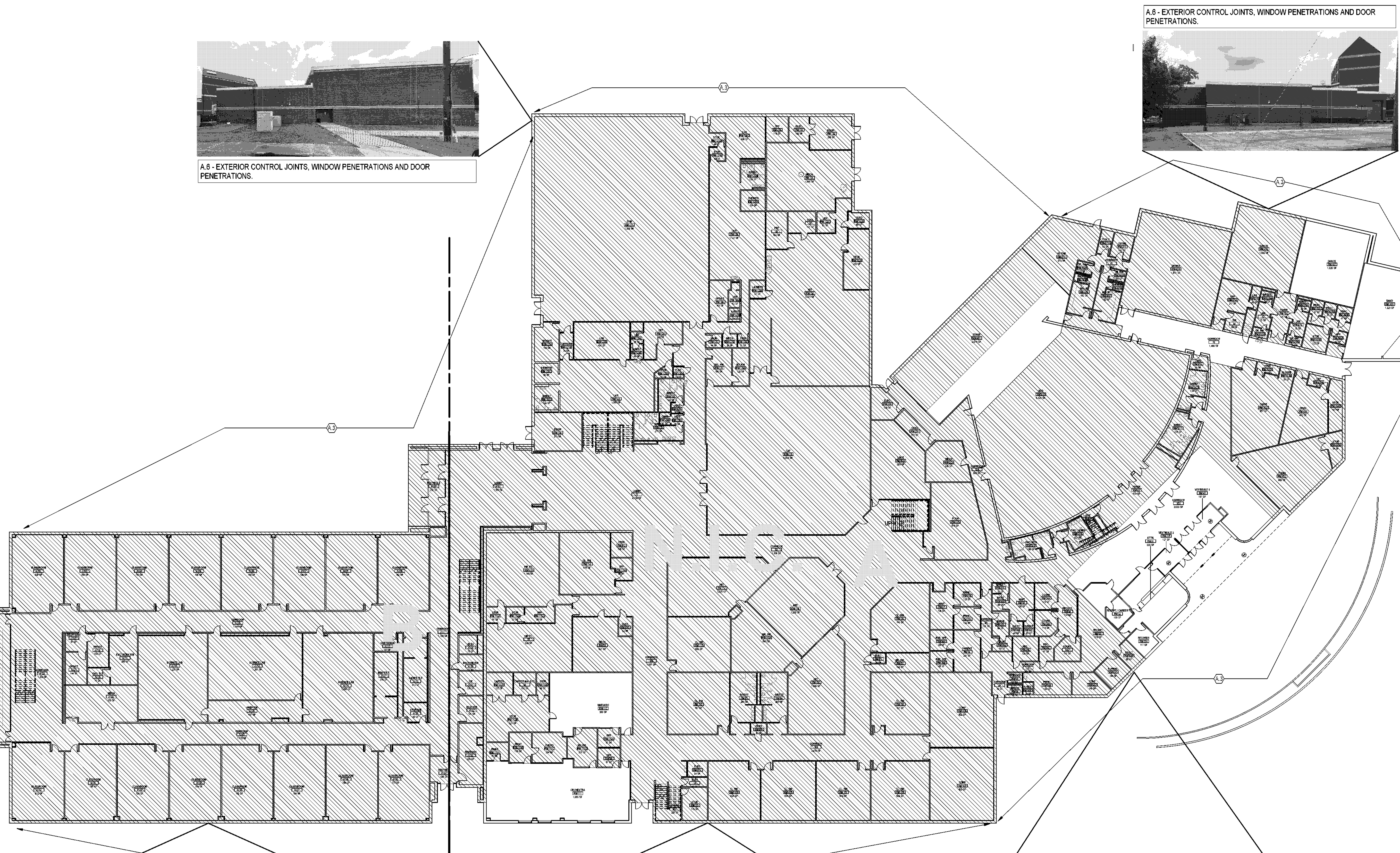
FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	MATCHLINE
	SHEET REFERENCE
	KEYED NOTE KEYED NOTES ONLY APPLY TO THIS SHEET
	PARTITION TAG REFER TO PARTITION SCHEDULE
	BUILDING SECTION TAG WALL SECTION TAG
	EXTERIOR ELEVATION TAG
	INTERIOR ELEVATION TAG
	PLAN REFERENCE TAG
	ROOM NAME
	ROOM NUMBER
	SMOKE PARTITION
	1-HOUR FIRE-RATED SMOKE BARRIER
	2-HOUR FIRE-RATED SMOKE BARRIER
	3-HOUR FIRE-RATED SMOKE BARRIER
	ARCHITECTURAL - NOT IN CONTRACT
	NEW DOOR WITH DOOR TAG REF DOOR SCHED
	NEW WINDOW WITH WINDOW MARK REF GLAZING ELEVATIONS
	COLUMN GRID DESIGNATIONS

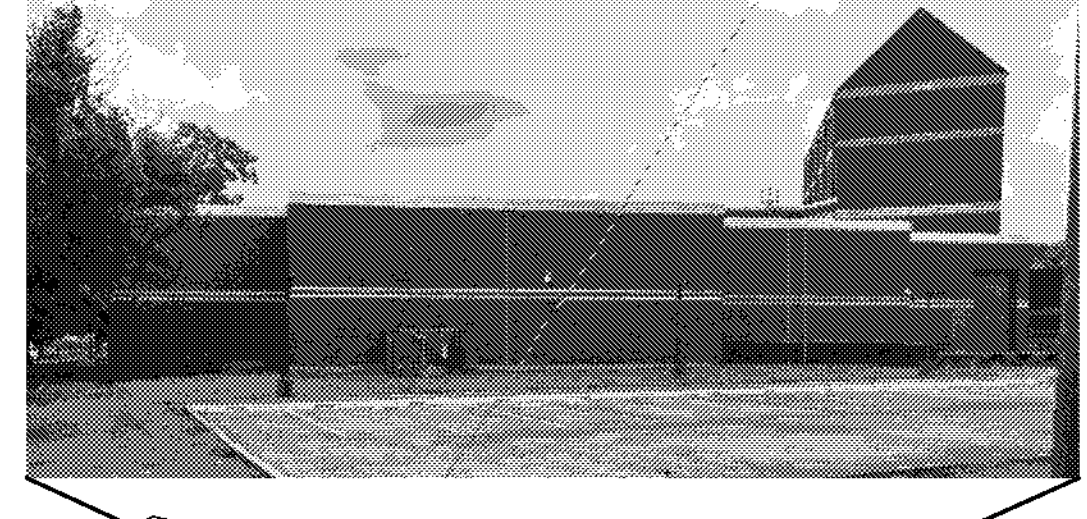


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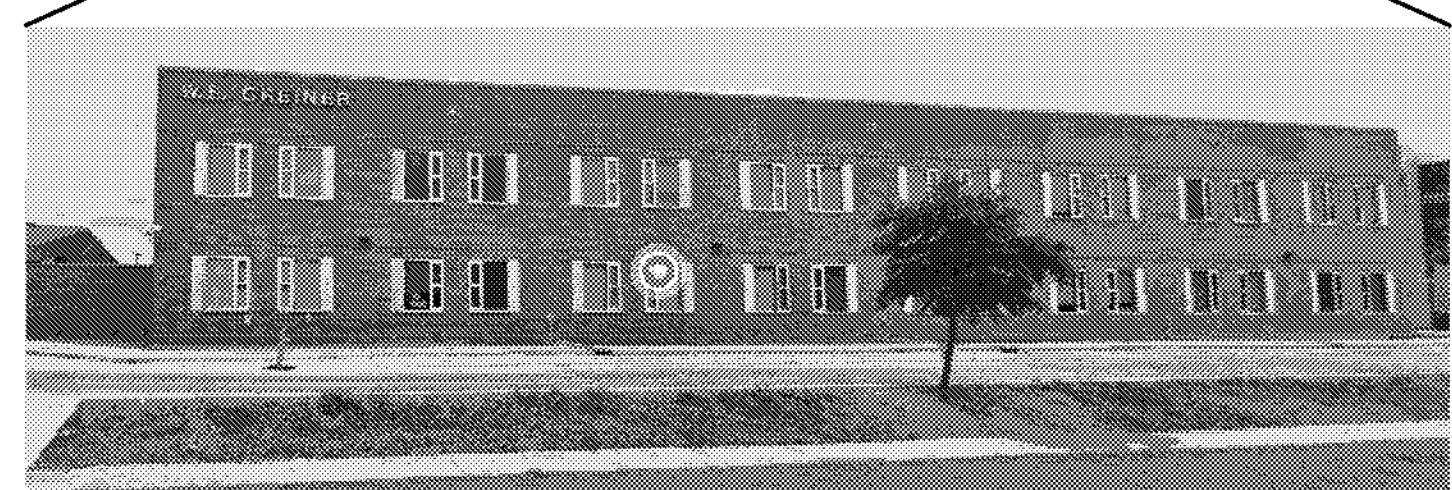
KEY PLAN



A.6 - EXTERIOR CONTROL JOINTS, WINDOW PENETRATIONS AND DOOR PENETRATIONS.



A.6 - EXTERIOR CONTROL JOINTS, WINDOW PENETRATIONS AND DOOR PENETRATIONS.



A.6 - EXTERIOR CONTROL JOINTS, WINDOW PENETRATIONS AND DOOR PENETRATIONS.



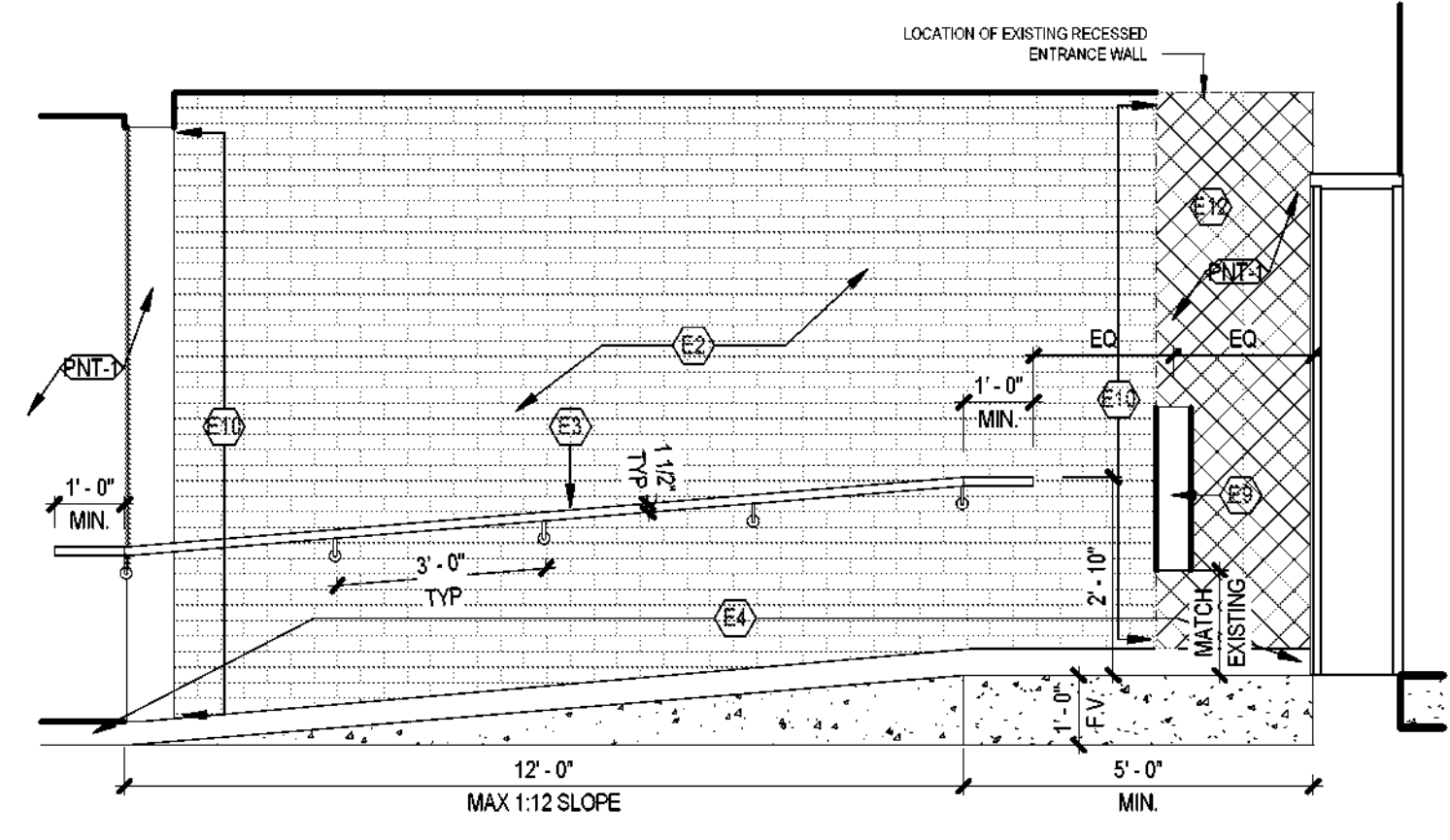
A.6 - EXTERIOR CONTROL JOINTS, WINDOW PENETRATIONS AND DOOR PENETRATIONS.



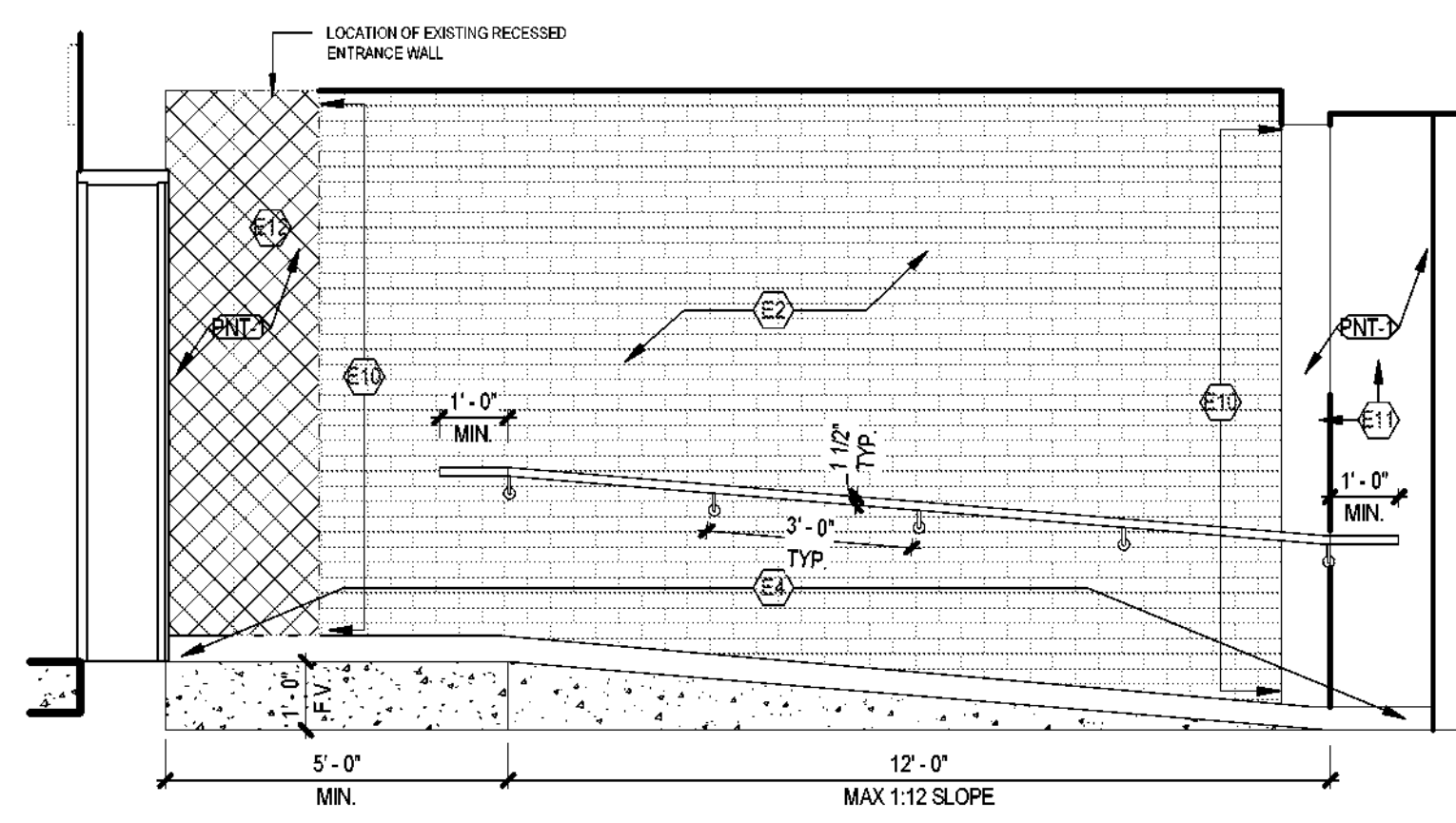
A.6 - EXTERIOR CONTROL JOINTS, WINDOW PENETRATIONS AND DOOR PENETRATIONS.

1 ARCHITECTURAL - OVERALL FLOOR PLAN - LEVEL 01
SCALE: 3/64" = 1'-0"

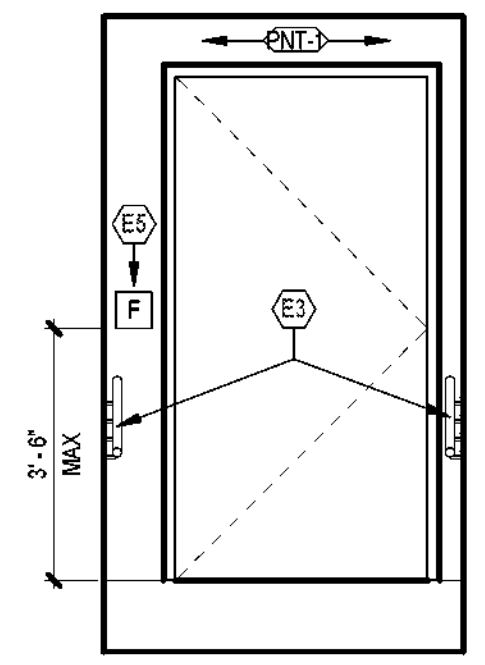
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 USER NAME: [REDACTED]
 DATE/TIME: 12/2/2024, 11:55:10 AM



4 ACCESSIBILITY RAMP - EAST
SCALE: 3/8" = 1'-0"



3 TYP. ACCESSIBILITY RAMP - NORTH
SCALE: 3/8" = 1'-0"



2 RAMPED EXIT
SCALE: 3/8" = 1'-0"

KEYED NOTES	
NUMBER	DESCRIPTION
A.2	CONTRACTOR TO PROVIDE PERMANENT ADA RAMP FIXTURE TO BASE OF STAIRS. INSTALLATION AS PER MANUFACTURE. EXISTING STAIR ELEVATION APPROXIMATELY 1' F.V.
A.10	REFERENCE CIVIL FOR EXTERIOR SITE WORK CONDITIONS.
A.11	PROVIDE NEW FINISHES; REFERENCE INTERIOR FINISH SCHEDULE. PROVIDE NEW FIXTURES; REFERENCE PLUMBING SCHEDULE.
E2	PATCH AND REPAIR EXISTING WALL FINISH AS NECESSARY.
E3	PROVIDE T.A.S. COMPLIANT HANDRAIL, PAINTED BLACK.
E4	PROVIDE RWB-1 AT WALL BASE.
E5	RELOCATE FIRE PULL STATION TO WALL. RESTORE EXISTING FUNCTIONALITY.
E9	RELOCATE EXISTING FIRE EXTINGUISHER AND SIGNAGE CLEAR NEW HANDRAIL. RESTORE TO ORIGINAL CONDITION.
E10	SAWCUT EXISTING TILE TO ASSURE STRAIGHT VERTICAL EDGE. ALIGN NEW GYP. FINISHED SURFACE TO TERMINATE INTO EXISTING TILE FINISH.
E11	PROVIDE NEW FRAMING AND GYP SURFACE. PAINT TO MATCH EXISTING.
E12	RESTORE SIBERWALL WITH EXTERIOR BRICK AT DEMOLISHED ENTRANCE DOOR AND RECESSED WALL.

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APPROVAL STAMP FOR
PUBLIC RECORDATION

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APPROVAL STAMP FOR
PUBLIC RECORDATION

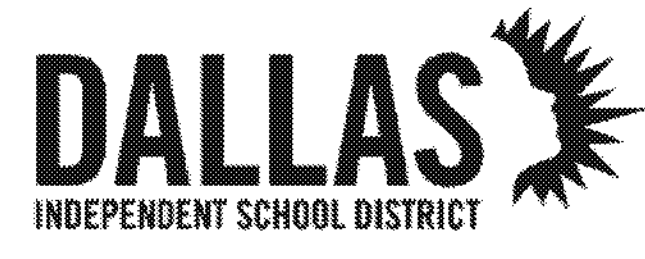
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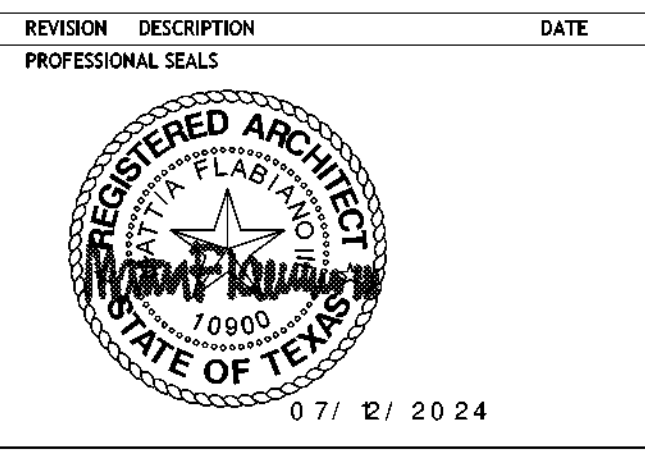
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REVISION	DESCRIPTION	DATE



ARCHITECTURAL - YMCA FLOOR PLAN - LEVEL 01 - AREA C
DRAWN BY: CS CHECKED BY: CH
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAR
ORIGINAL ISSUE: DATE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

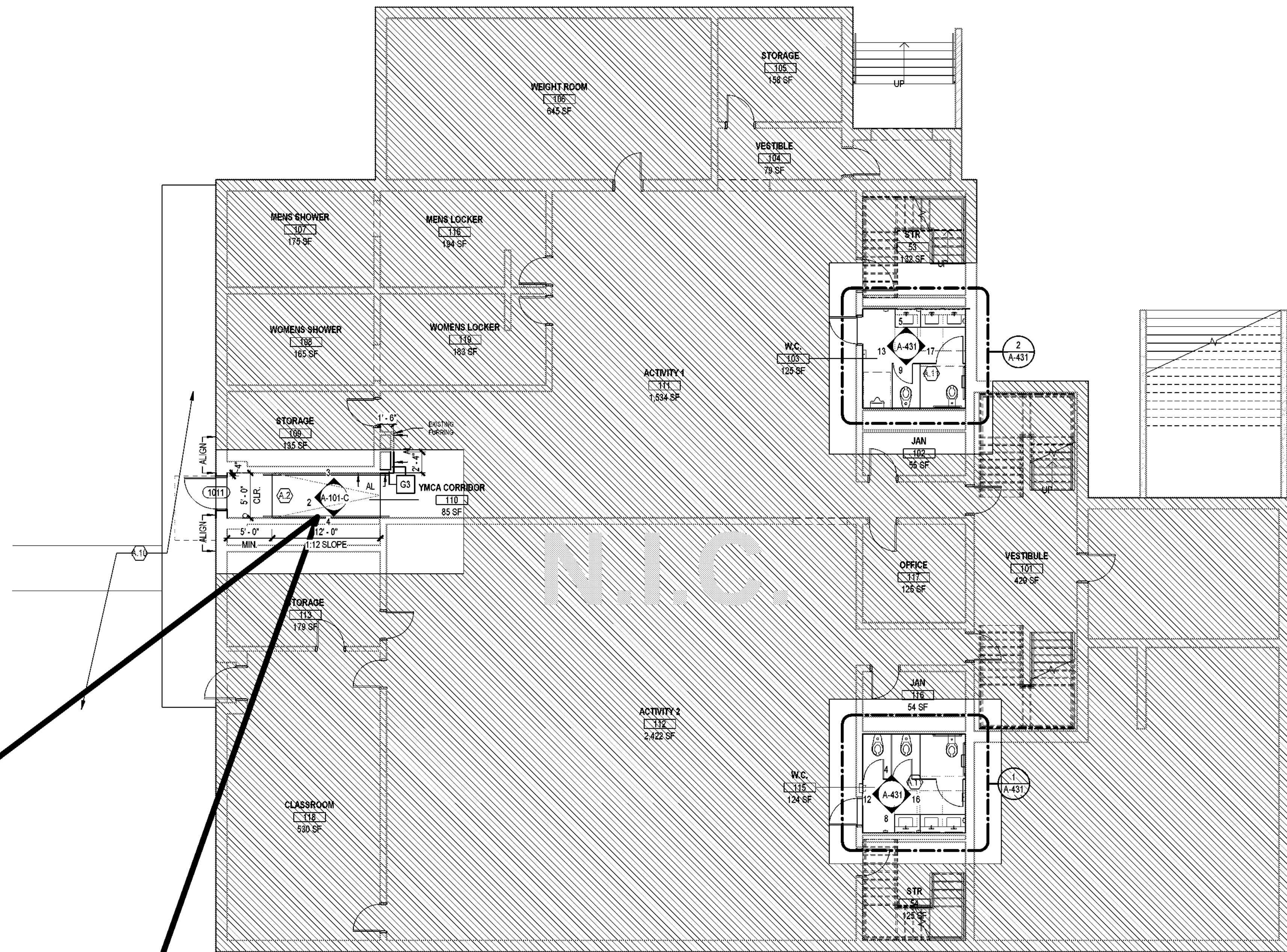
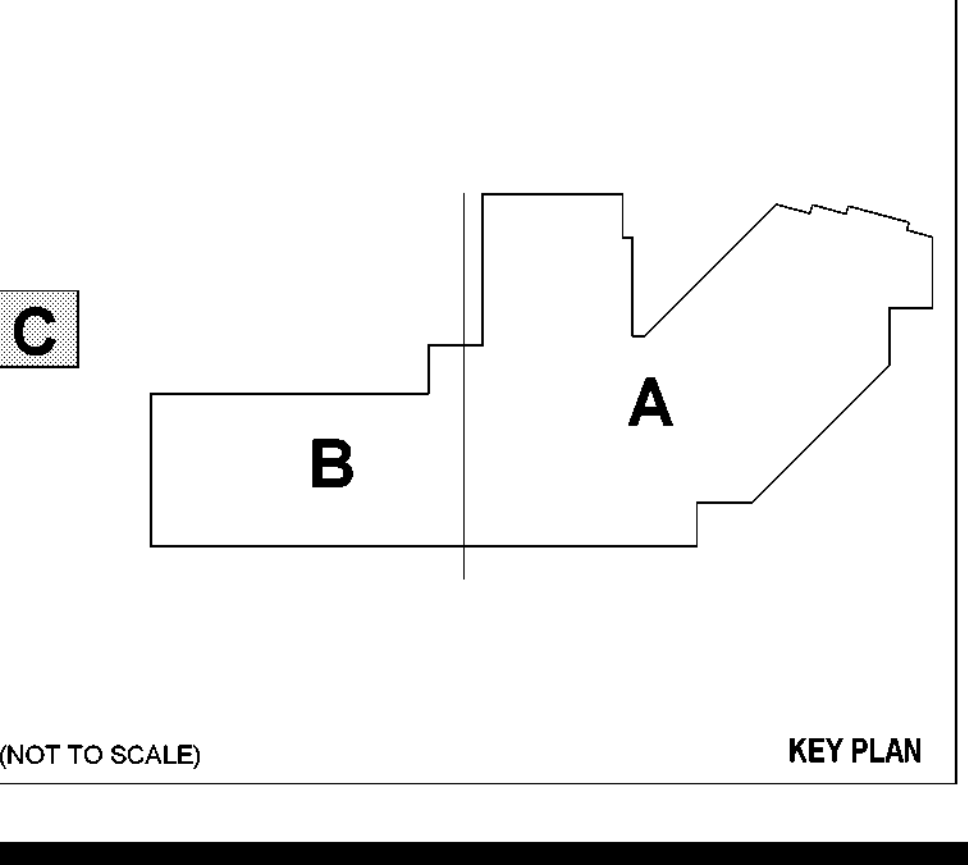
A-101-C
SHEET NUMBER

FLOOR PLAN GENERAL NOTES

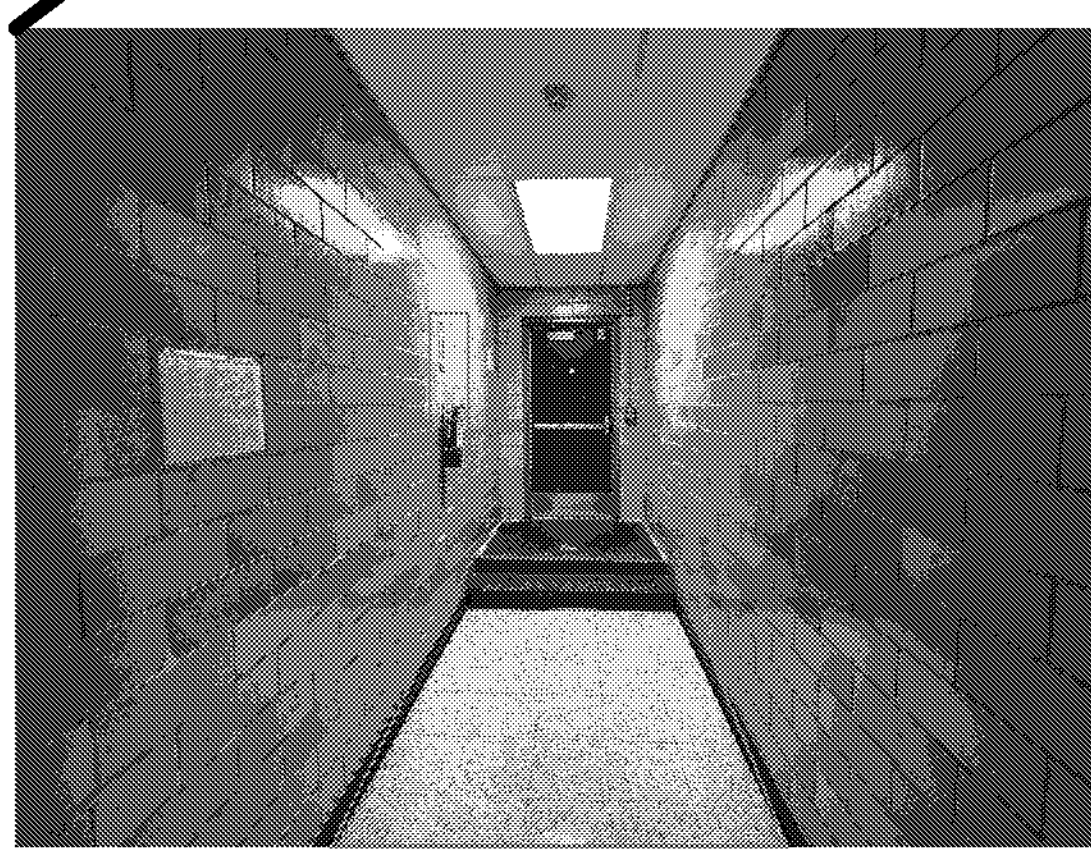
- ALL UNMARKED PARTITIONS ARE TYPE A3. ALL COLUMN FURRING TO BE PARTITION TYPE F7 UNLESS NOTED OTHERWISE.
- ALL WINDOW & DOOR PLAN OPENINGS ARE DIMENSIONED ON AREA PLANS.
- FOR FIRE AND LIFE SAFETY PLANS, REFER TO G1 DRAWINGS.
- ROOF PLAN SHOWN FOR REFERENCE ONLY. REFER TO ROOF PLAN FOR NOTES AND DIMENSIONS.
- REFER TO A2 SERIES DRAWINGS, EXTERIOR ELEVATIONS, AS BUILDING AND WALL SECTIONS.
- REFER TO A8 SERIES FOR ALL PARTITIONS, DOORS, WINDOWS, AND ACCESSORIES.
- INSTALL APPROPRIATE MANUFACTURED EXPANSION JOINT COVERS AT ALL VISIBLE BUILDING EXPANSION JOINTS. TOP OF COVER OF FLOOR EXPANSION JOINT COVERS TO BE FLUSH WITH TOP OF FINISHED FLOOR.
- ALL PARTITION DIMENSIONS ARE TAKEN FROM THE CENTERLINE OF COLUMNS AND TO THE DRYWALL FACE.
- INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED DEVICES.
- AT ALL SPANDREL GLASS LOCATIONS, FACE OF INTERIOR WALL TO BE CONTINUOUS WITH ADJACENT WALL.
- GENERAL DIMENSIONS PROVIDED ON FLOOR PLANS AND AREA PLANS DO NOT REFLECT THE ROUGH OPENING DIMENSIONS REQUIRED FOR COORDINATION WITH MASONRY JOINT COURSINGS. CONTRACTOR IS TO PROVIDE ROUGH OPENING FRAMING DIMENSIONS CONSISTENT WITH ENLARGED ARCHITECTURAL PLAN/SECTION DETAILS (AS SERIES SHEETS), AND WINDOW/DOOR SCHEDULE DETAILS (AS SERIES); CONTRACTOR TO SUBMIT RFI FOR ANY ROUGH OPENING DIMENSIONS NOT GIVEN IN DETAILING FOR CLARIFICATION REQUIRED.
- REPLACE EXTERIOR WATERPROOFING/SEALANT JOINTS INCLUDE ALL EXTERIOR WALL CONTROL/EXPANSION JOINTS, MATERIAL TRANSITIONS, AROUND DOOR AND WINDOW FRAMES, WALL PENETRATIONS, ETC.).
- CONTRACTOR TO PROVIDE 7 COATS OF WAX TO ALL NEWLY INSTALLED VCT FLOORING BEFORE SUBSTANTIAL COMPLETION OF PROJECT. WAX FINISH SHALL BE DIVERSITY FLOOR FINISH VECTRA OR APPROVED ALTERNATIVE.

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	MATCHLINE
	SHEET REFERENCE
	KEYED NOTE KEYED NOTES ONLY APPLY TO THIS SHEET
	PARTITION TAG REFER TO PARTITION SCHEDULE
	BUILDING SECTION TAG WALL SECTION TAG
	EXTERIOR ELEVATION TAG
	INTERIOR ELEVATION TAG
	PLAN REFERENCE TAG
	ROOM NAME ROOM NUMBER
	SMOKE PARTITION 1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION 1-HOUR FIRE-RATED SMOKE BARRIER 2-HOUR FIRE-RATED SMOKE BARRIER 3-HOUR FIRE-RATED SMOKE BARRIER
	ARCHITECTURAL - NOT IN CONTRACT
	NEW DOOR WITH DOOR TAG REF. DOOR SCHED.
	NEW WINDOW WITH WINDOW MARK REF. GLAZING ELEVATIONS
	COLUMN GRID DESIGNATIONS



1 ARCHITECTURAL - YMCA FLOOR PLAN - LEVEL 02 - AREA C
SCALE: 1/8" = 1'-0"



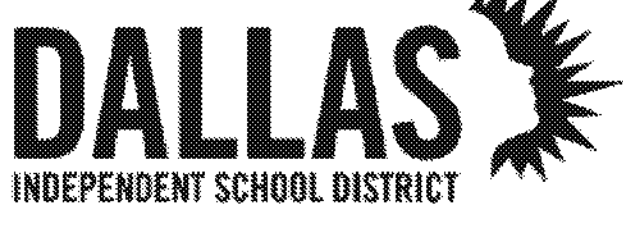
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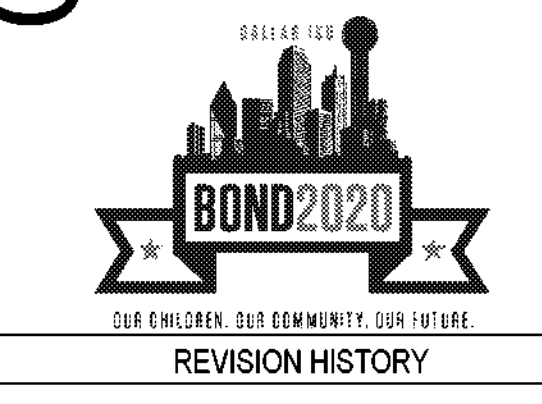
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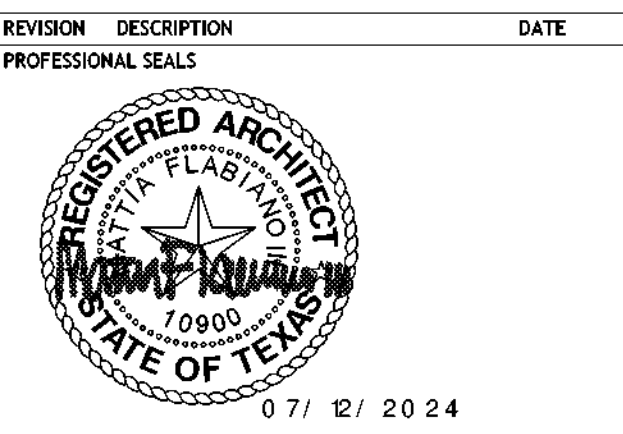
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ORG049 Greiner Exploratory Arts
Academy
501 S Edgefeld Ave
Dallas, TX 75208



REVISION	DESCRIPTION	DATE



ARCHITECTURAL - FLOOR PLAN - LEVEL 02
DRAWN BY: CS CHECKED BY: CH
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL CODE: DATE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

A-102
SHEET NUMBER

KEYED NOTES	
NUMBER	DESCRIPTION
A.9	REFERENCE A-102-A FOR FLOORING SCOPE.

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC INFORMATION

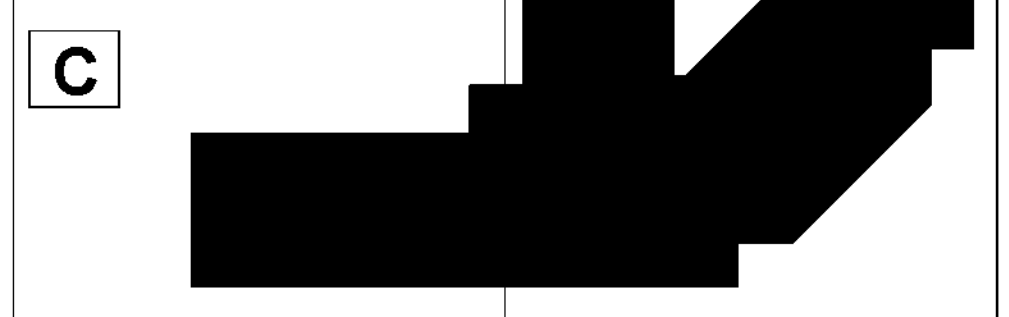
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FLOOR PLAN GENERAL NOTES

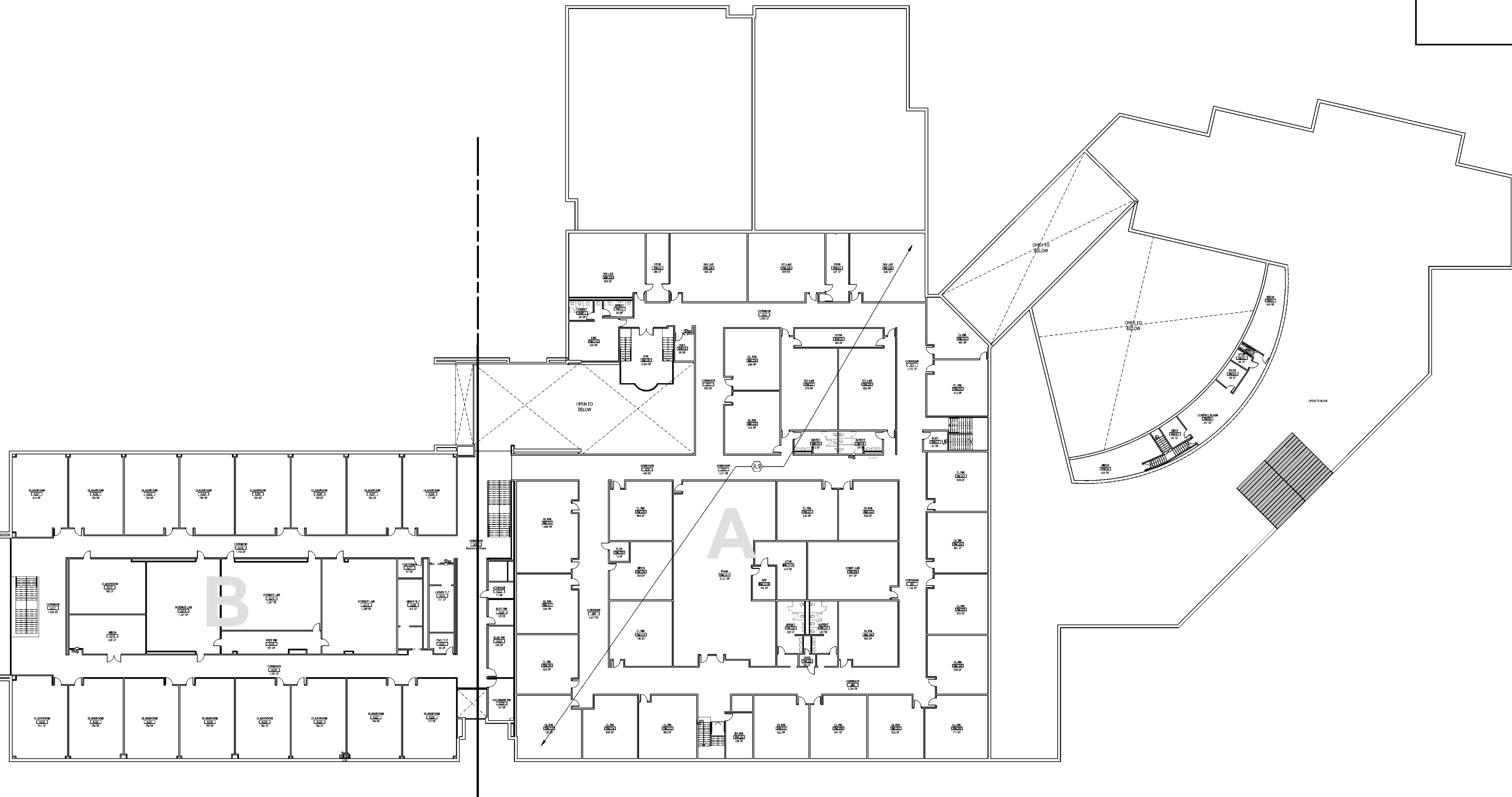
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- REFER TO A2 SERIES DRAWINGS, EXTERIOR ELEVATIONS, A3 BUILDING AND WALL SECTIONS.
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FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	MATCH LINE
	SHEET REFERENCE
	KEYED NOTE KEYED NOTES ONLY APPLY TO THIS SHEET
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	ROOM NAME ROOM NUMBER
	SMOKE PARTITION 1-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION 1-HOUR FIRE-RATED SMOKE BARRIER 2-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION 2-HOUR FIRE-RATED SMOKE BARRIER 3-HOUR FIRE WALL, FIRE BARRIER, OR FIRE PARTITION
	ARCHITECTURAL - NOT IN CONTRACT
	NEW DOOR WITH DOOR TAG REF DOOR SCHED
	NEW WINDOW WITH WINDOW MARK REF GLAZING ELEVATIONS
	COLUMN GRID DESIGNATIONS



(NOT TO SCALE) KEY PLAN



1 ARCHITECTURAL - OVERALL FLOOR PLAN - LEVEL 02
SCALE: 3/8" = 1'-0"

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NEW YORK CITY / ORLANDO / PHOENIX / RALEIGH / RICHMOND /
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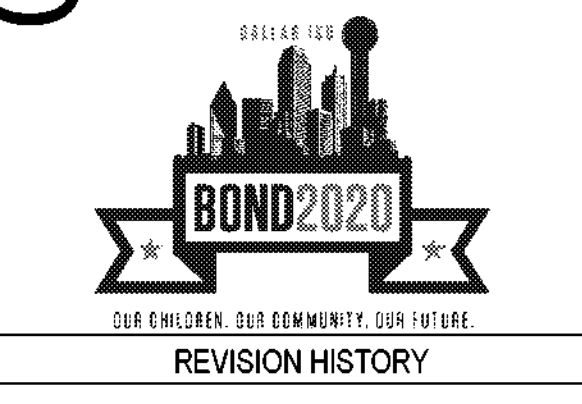
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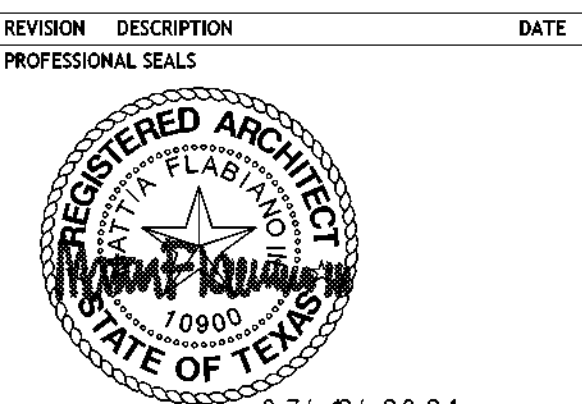
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DALLAS
INDEPENDENT SCHOOL DISTRICT

ORG049 Greiner Exploratory Arts Academy
501 S Edgefeld Ave
Dallas, TX 75208



REVISION	DESCRIPTION	DATE



ARCHITECTURAL - ROOF PLAN - AREA C
DRAWN BY CS CHECKED BY CH
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
ORIGINAL DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

A-104-C
SHEET NUMBER

EXISTING ROOF IDENTIFICATION

- R1. FOUR-PLY GRAVEL-SURFACED FIBER GLASS BUILT-UP ROOF ON LIGHTWEIGHT CONCRETE DECK; 2 WAY SLOPE.
- R2. FOUR-PLY GRAVEL-SURFACED FIBER GLASS BUILT-UP ROOF ON LIGHTWEIGHT CONCRETE DECK; 1 WAY SLOPE.
- R3. FOUR-PLY GRAVEL-SURFACED FIBER GLASS BUILT-UP ROOF ON LIGHTWEIGHT CONCRETE DECK; 1 WAY SLOPE.
- R4. STANDING SEAM METAL ROOF; 2 WAY SLOPE.

ROOF SCOPE

- R1. PROVIDE MIN. R-25(4) CONTINUOUS RIGID INSULATION. VERIFY MIN. 1/4" 1" ROOF SLOPE TOWARDS DRAINS/ GUTTERS AS PER DECK STRUCTURE. PROVIDE 1/2" GYPSUM COVER BOARD. PROVIDE TAPERED INSULATION AT CRICKETS AND SUMPS SHOWN. 1 PLY SBS GRANULATED REFLECTED CAP PLY, TORCHED. PROVIDE MIN. 2 PLY LAYERS ON ENTIRE ROOF SURFACE WITH STAGGERED JOINTS. REPLACE SHEET METAL TO INCLUDE COUNTER FLASHINGS, WOOD BLOCKING, MISC. FLASHINGS AND ROOF METAL EDGING. CRICKETS TO BE FORMED WITH 1/2" POLYISOCYANURATE RIGID INSULATION.
- R2. PROVIDE MIN. R-25(4) CONTINUOUS RIGID INSULATION. VERIFY MIN. 1/4" 1" ROOF SLOPE TOWARDS DRAINS/ GUTTERS AS PER DECK STRUCTURE. PROVIDE 1/2" GYPSUM COVER BOARD. PROVIDE TAPERED INSULATION AT CRICKETS AND SUMPS SHOWN. 1 PLY SBS GRANULATED REFLECTED CAP PLY, TORCHED. PROVIDE MIN. 2 PLY LAYERS ON ENTIRE ROOF SURFACE WITH STAGGERED JOINTS. REPLACE SHEET METAL TO INCLUDE COUNTER FLASHINGS, WOOD BLOCKING, MISC. FLASHINGS AND ROOF METAL EDGING. CRICKETS TO BE FORMED WITH 1/2" POLYISOCYANURATE RIGID INSULATION.
- R3. PROVIDE MIN. R-25(4) CONTINUOUS RIGID INSULATION. VERIFY MIN. 1/4" 1" ROOF SLOPE TOWARDS DRAINS/ GUTTERS AS PER DECK STRUCTURE. PROVIDE 1/2" GYPSUM COVER BOARD. PROVIDE TAPERED INSULATION AT CRICKETS AND SUMPS SHOWN. 1 PLY SBS GRANULATED REFLECTED CAP PLY, TORCHED. PROVIDE MIN. 2 PLY LAYERS ON ENTIRE ROOF SURFACE WITH STAGGERED JOINTS. REPLACE SHEET METAL TO INCLUDE COUNTER FLASHINGS, WOOD BLOCKING, MISC. FLASHINGS AND ROOF METAL EDGING. CRICKETS TO BE FORMED WITH 1/2" POLYISOCYANURATE RIGID INSULATION.
- R4. REMOVE EXISTING SEALANT AND REPLACE AS IDENTIFIED.

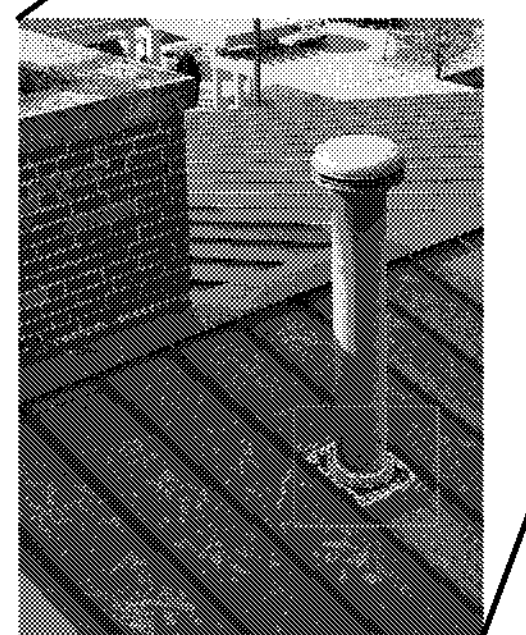
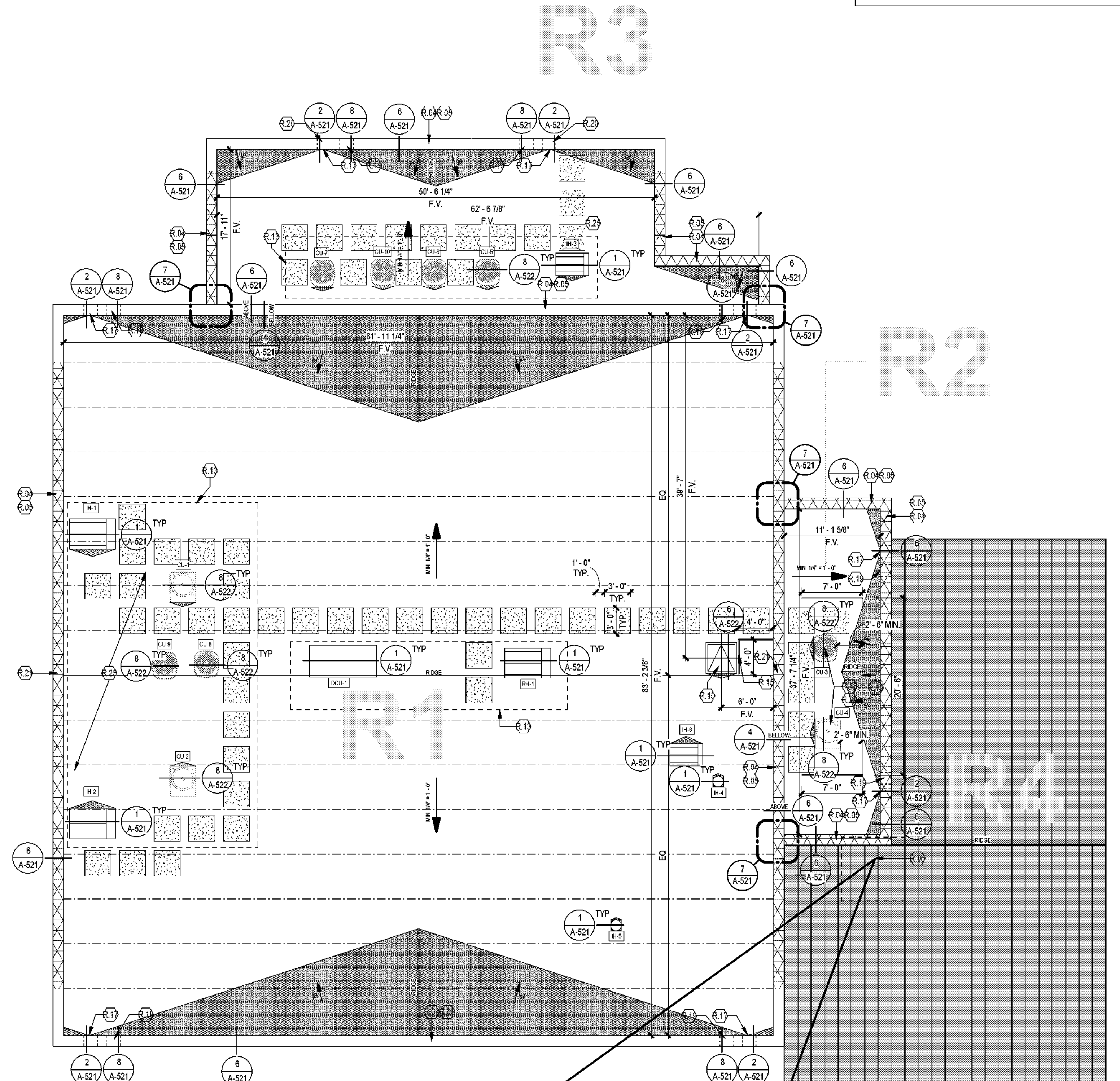
KEYED NOTES

- R.04. ROOF PARAPET CAST STONE COPING JOINTS TO BE RAKED AND MORTAR SEALANT REMOVED OF ALL EXISTING WATERPROOFING EFFORTS. CLEAN JOINTS. VERIFY EXISTING PARAPET, INCLUDING BRICK RAIN-SCREEN, BACKUP WALL, WATERPROOFING AND INSULATION TO BE BUILT UP TO ACCOMMODATE 14" MINIMUM ABOVE FINISHED R-25(4) ROOF SYSTEM, UNLESS OTHERWISE SPECIFIED. CONTRACTOR TO PREPARE CAST STONE SURFACE FOR JOINT ADHESIVE SEALANT.
- R.05. CONTRACTOR TO PROVIDE UNIT PRICE FOR COST OF BLOCKING ROOF DECKING.
- R.06. CONTRACTOR TO DEMOLISH AND SEAL PENETRATIONS FLASHINGS FOR PIPING AND CABLING. CONTRACTOR TO PROVIDE NEW SEALED PENETRATION HOUSING. SEE DETAIL 7/A-522. COORDINATE WITH MECHANICAL/ ELECTRICAL FOR PIPING AND CABLING PATHWAYS.
- R.10. CONTRACTOR TO PROVIDE NEW ROOF HATCH AT EXISTING HATCH PENETRATION. FLASH AS WATERPROOF PER ROOFING DETAILS.
- R.13. PROVIDE NEW CURBS AND RISERS FOR ALL NEW HVAC UNITS AND ACCESSORIES. COORDINATE WITH MECHANICAL FOR EQUIPMENT DETAILS.
- R.15. CONTRACTOR TO PROVIDE NON-PENETRATING, WEIGHTED BASE ROOF GUARDRAIL, IN POWDER COATED YELLOW, MINIMUM 45" FROM HVAC UNIT. REFERENCE ARCHITECTURAL PLAN.
- R.17. PROVIDE NEW PARAPET SCUPPER PENETRATION AT EXISTING DOWNSPOUT. RAISE AS NEEDED TO ACCOMMODATE NEW TAPERED INSULATION, PROTECT AND RAISE EXISTING CONDUCTOR HEADS WITH TIE IN TO EXISTING DOWNSPOUT. PROVIDE NEW SPLASH BLOCK. REFERENCE GUTTER DETAIL. PROVIDE SECONDARY OVER FLOW OUTLET ADJACENT TO MAIN OUTLET.
- R.19. PROVIDE OVERFLOW SCUPPER THROUGH EXISTING PARAPET. 2" ABOVE INLET OF PRIME SCUPPER. PROVIDE NEW DOWNSPOUT WITH CONDUCTOR HEAD FOR PRIMARY SCUPPER. FINISH FOR ARCHITECT APPROVAL.
- R.21. EXISTING PARAPET DOES NOT MEET 14" MINIMUM FLASHING HEIGHT AT RIDGE. UPON OWNER APPROVAL, CONTRACTOR TO FLASH TO TYPICAL PARAPET DETAIL WITH MINIMUM FLASHING HEIGHT REDUCED AS NEEDED.
- R.25. CONTRACTOR SHALL REUSE EXISTING PENETRATION FOR MECHANICAL PIPING AND ELECTRICAL CABLING. CONTRACTOR TO PROVIDE SEALED PENETRATION HOUSING. SEE PIPING THROUGH ROOF DECK DETAIL. COORDINATE WITH MECHANICAL/ ELECTRICAL FOR PIPING AND CABLING PATHWAYS.
- R.29. PROVIDE NEW SEALED PENETRATION HOUSING THROUGH DECK FOR MECHANICAL UNITS CU-3 & CU-4. COORDINATE WITH MECHANICAL/ ELECTRICAL FOR ROUTING THROUGH BUILDING.

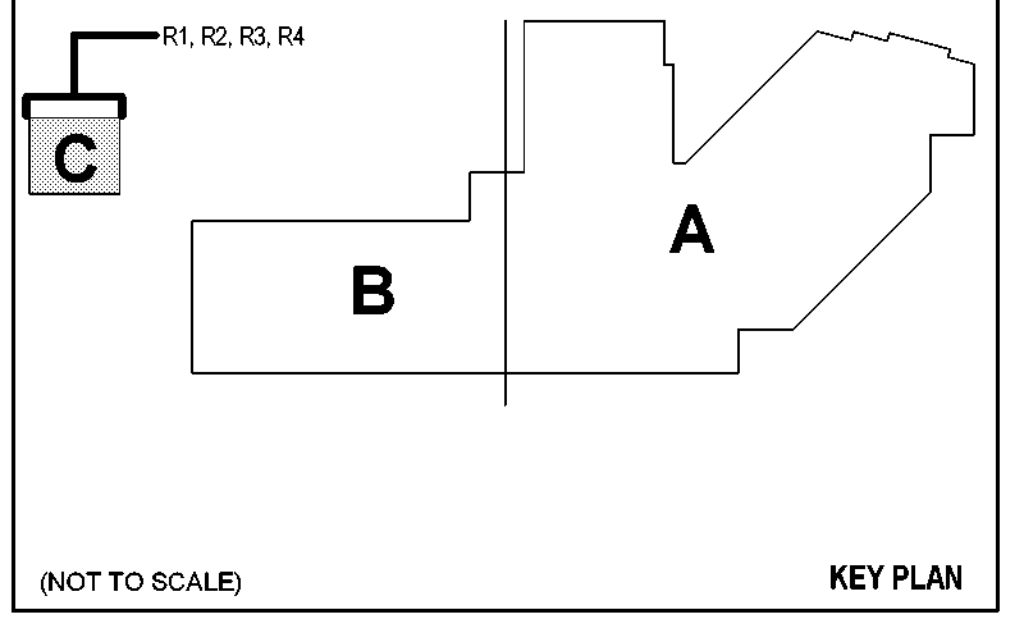
NOTE TO CONTRACTOR:
CONTRACTOR SHALL CONDUCT A DISCOVERY PERIOD, DURING WHICH:
-IDENTIFY COMPOSITION OF WALL CAVITIES.
-ASSURE ALL NEW PENETRATIONS AVOID EXISTING STRUCTURAL MEMBERS. COORDINATE WITH MECHANICAL SERIES DRAWINGS FOR APPROXIMATE PLACEMENT OF VENT HOODS, AND PIPING.

ROOF AREAS UNDER WARRANTY WHERE ANY ROOF IS TO BE PERFORMED WILL REQUIRED A ROOFER THAT IS CERTIFIED AS AN APPROVED APPLICATOR.

ALL VENTS, PIPES, AND OTHER PENETRATIONS REMAINING TO BE RAISED AND FLASHED U.N.O.



1 ARCHITECTURAL - YMCA ROOF PLAN - AREA C
SCALE: 1/8" = 1'-0"



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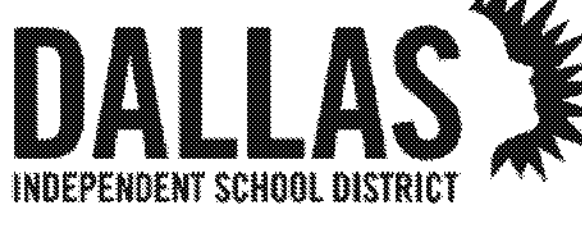
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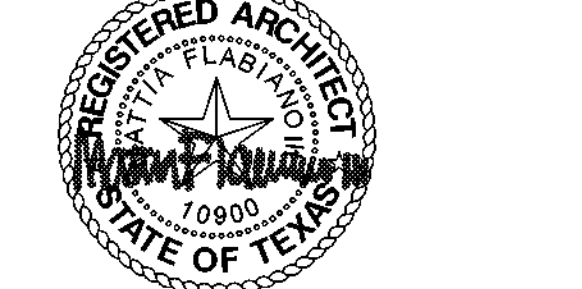


OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

REVISION HISTORY

REVISION DESCRIPTION DATE

PROFESSIONAL SEALS



07/12/2024

ARCHITECTURAL - REFLECTED
CEILING PLAN - LEVEL 02 - AREA C

DRAWN BY: CS CHECKED BY: CH
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE DATE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

AC-102-C
SHEET NUMBER

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC INFRASTRUCTURE

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC INFRASTRUCTURE

NOTE TO CONTRACTOR:
CEILING SCOPE SHALL INCLUDE BUT IS NOT LIMITED TO,
REPLACEMENT OF ALL LIGHTS TO LED EQUIVALENTS AND
REPLACEMENT OF FIRE ALARM DEVICES. UNLESS OTHERWISE
NOTED, GENERAL DEMOLITION AND/OR REPLACEMENT OF
CEILING IS NOT IN SCOPE. REFERENCE ELECTRICAL SERIES
DRAWINGS FOR FULL REFLECTED CEILING ELECTRICAL SCOPE,
INCLUDING LIGHTING FIXTURES, DEVICES, SWITCH GEAR, ETC.

CEILING PLAN GENERAL NOTES

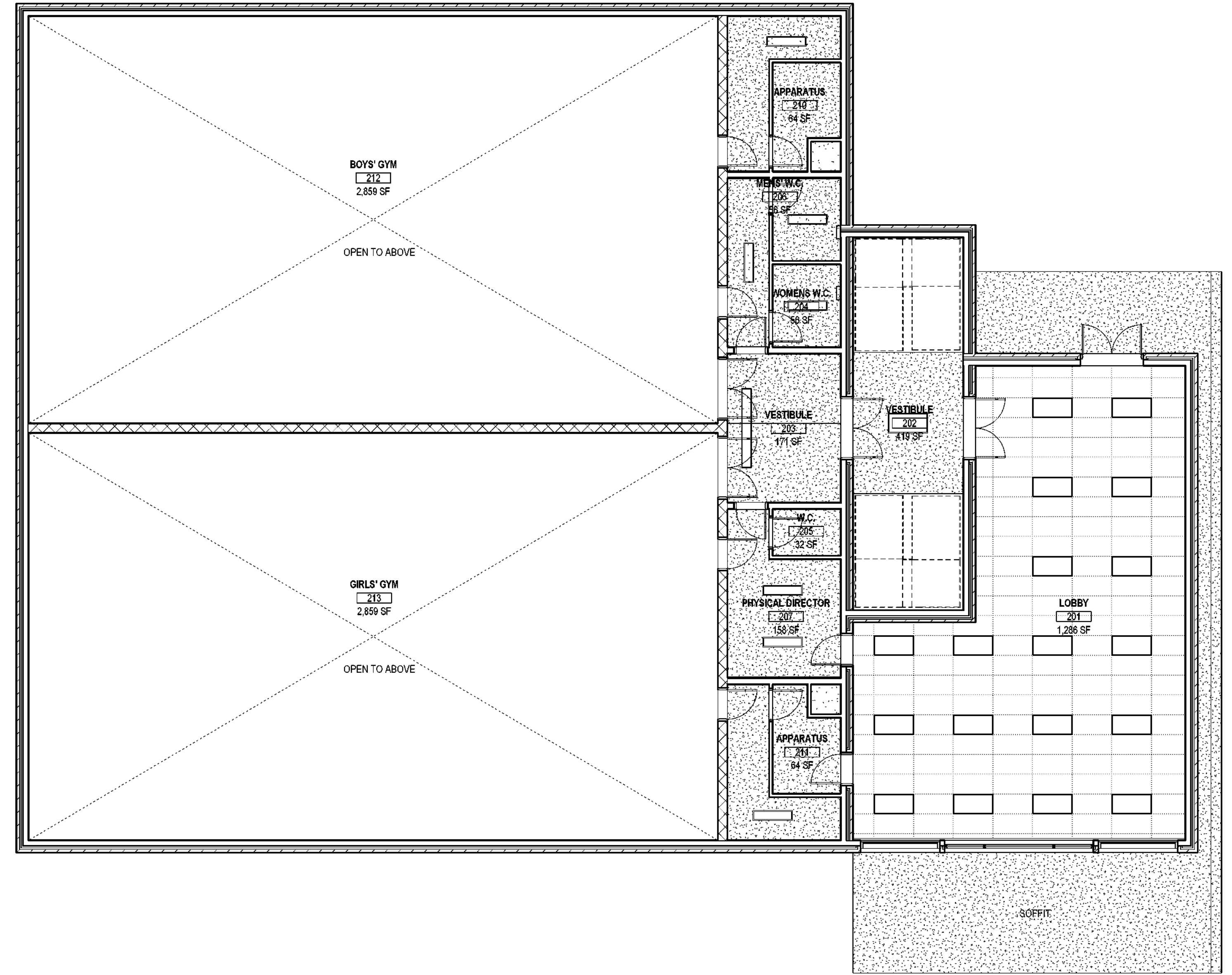
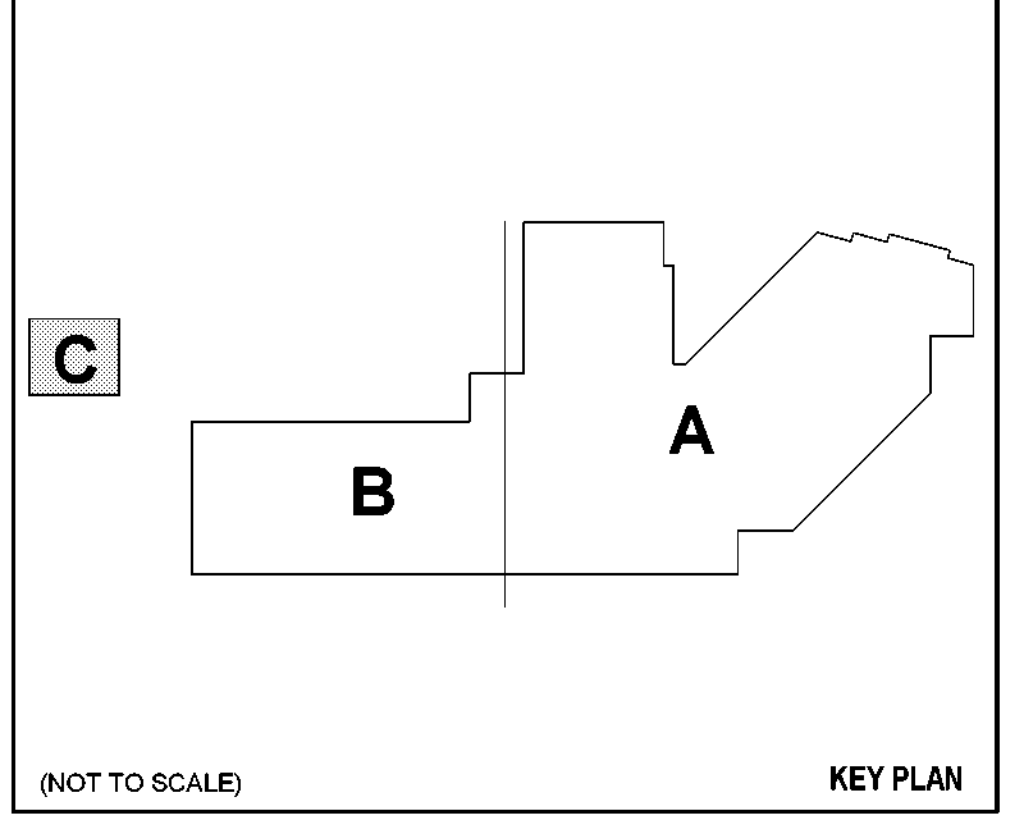
1. ALL CEILING HEIGHTS IN "CORRIDORS/HALLS" SHALL BE 9'-0" AFF UNLESS NOTED OTHERWISE.
2. ALL ACOUSTICAL CEILING GRIDS TO BE CENTERED WITHIN ROOM UNLESS NOTED OTHERWISE.
3. ALL CORRIDOR ACOUSTICAL CEILING GRIDS TO BE CENTERED WITHIN THE CORRIDOR, UNLESS NOTED OTHERWISE.
4. ALL 'CAN' LIGHT FIXTURES TO BE CENTERED WITHIN ACOUSTICAL CEILING TILES.
5. ALL 'CAN' LIGHT FIXTURES IN TOILET ROOMS TO BE CENTERED.
6. ALL GYP BOARD FURROWDOWN TO BE 7'-2" AFF. REFER TO A-2 SERIES FOR INTERIOR ELEVATIONS.
7. PROVIDE CONTINUOUS R19 BATT INSULATION ABOVE PARKING AREA CEILING EXCEPT AT LOCATIONS DESIGNATED "INSULATED CEILING TILES".
8. ALL CEILING HEIGHTS IN "TOILET ROOMS" SHALL BE 9'-0" AFF UNLESS NOTED OTHERWISE.
9. ALL CEILING HEIGHTS NOT MARKED SHALL BE 9'-0" AFF.
10. ALL DIFFUSERS AND AIR GRILLES SHALL BE PAINTED TO MATCH THE WALL OR CEILING THEY ARE INSTALLED IN U.N.O.

KEYED NOTES

NUMBER DESCRIPTION

CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
[Symbol]	24"x24" LIGHT FIXTURE
[Symbol]	48"x24" LIGHT FIXTURE
[Symbol]	48"x12" LIGHT FIXTURE
[Symbol]	LINEAR BOX CHAIN
[Symbol]	ACCESS PANEL
[Symbol]	SUPPLY
[Symbol]	RETURN
[Symbol]	EXHAUST
[Symbol]	SLOT DIFFUSER
[Symbol]	PENDANT
[Symbol]	DOWNLIGHT
[Symbol]	SQUARE RECESSED
[Symbol]	LINEAR UP-LIGHT PENDANT
[Symbol]	STRIP LIGHT
[Symbol]	WALL MOUNTED FIXTURE
[Symbol]	COVE LIGHT
[Symbol]	UNDERCABINET LIGHT
[Symbol]	2"x2" ACOUSTIC CEILING TILE
[Symbol]	GYPSUM CEILING
[Symbol]	EXPOSED TO DECK
[Symbol]	NOT IN CONTRACT (NIC)
[Symbol]	NURSE CALL LIGHT
[Symbol]	24"x48" 3in1 FLUORESCENT LIGHT FIXTURE



1 ARCHITECTURAL - REFLECTED CEILING PLAN - LEVEL 02 - AREA C
SCALE: 1/8" = 1'-0"

FILE PATH: Autodesk Docs://32AC23037-Greiner Exploratory Arts Academy/32AC23037-A-R23-CENTRAL.rvt
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DATE PLOTTED: 12/11/2024 10:30:37 AM

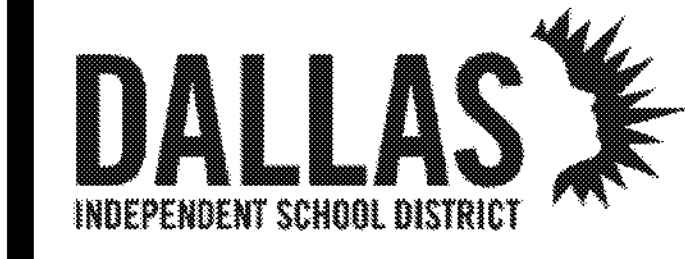
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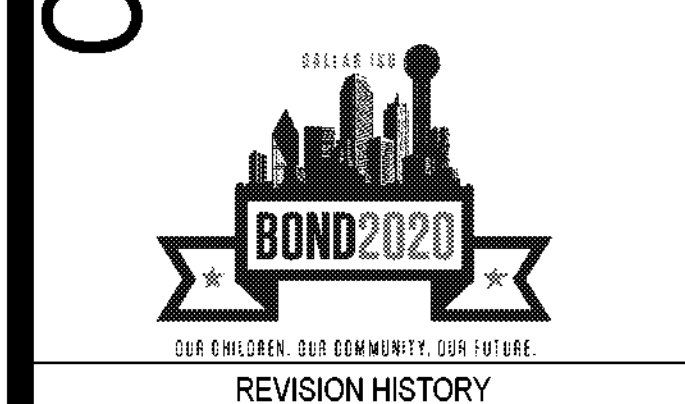
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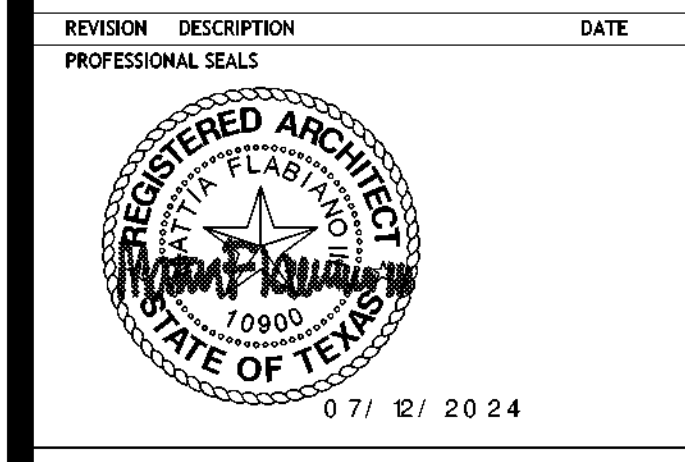
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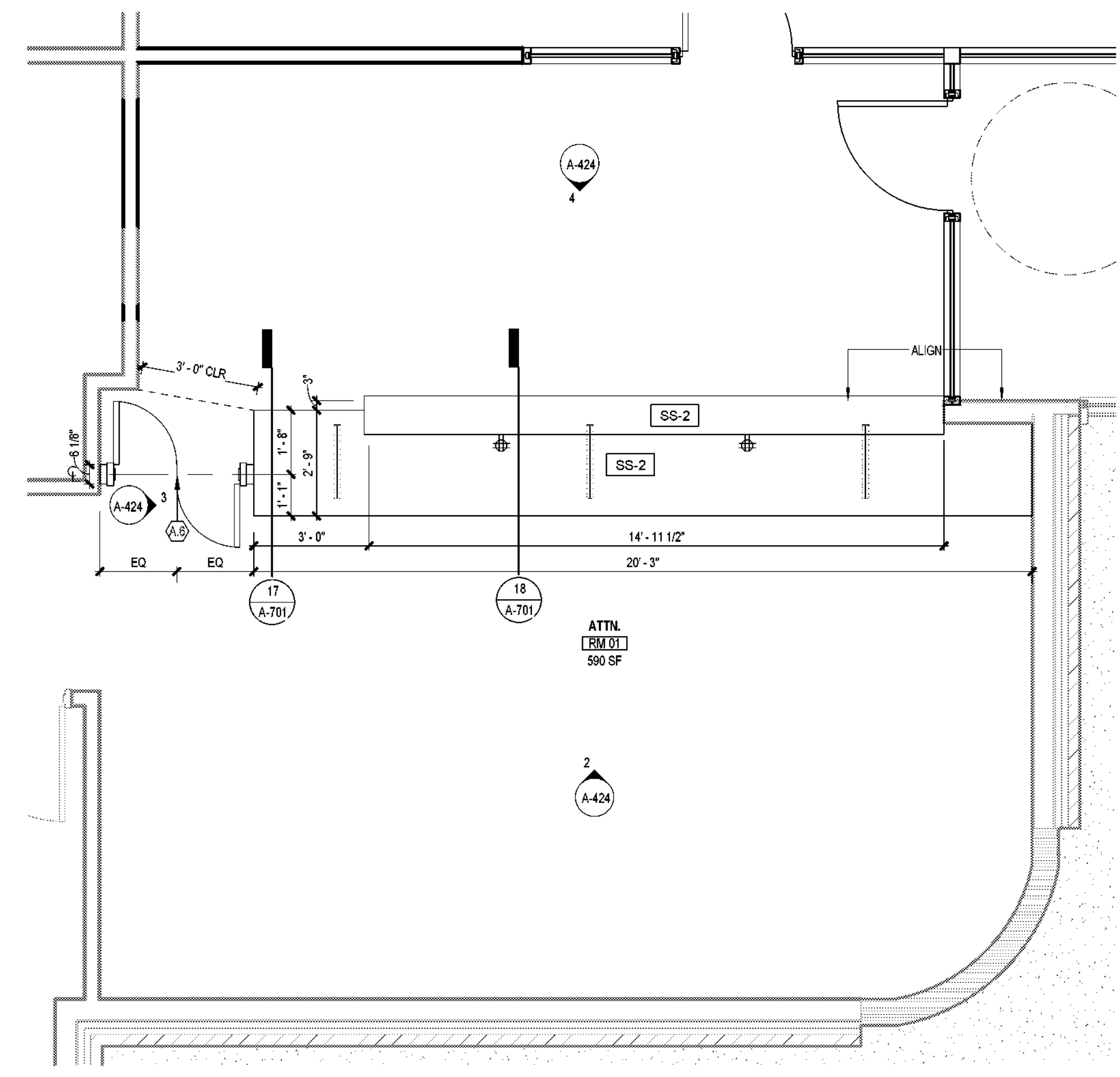
ORG049 Greiner Exploratory Arts Academy
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Dallas, TX 75208



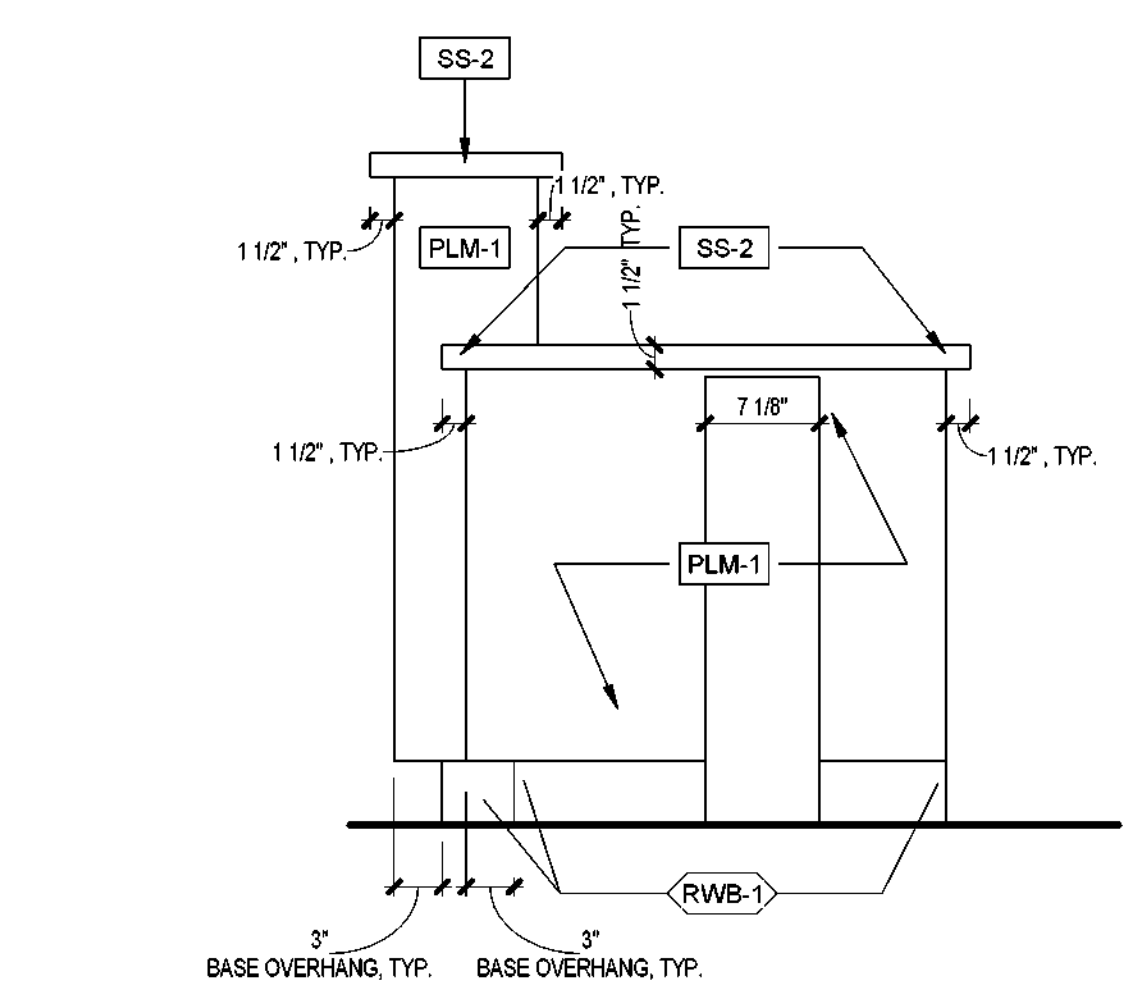
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NUMBER	DESCRIPTION



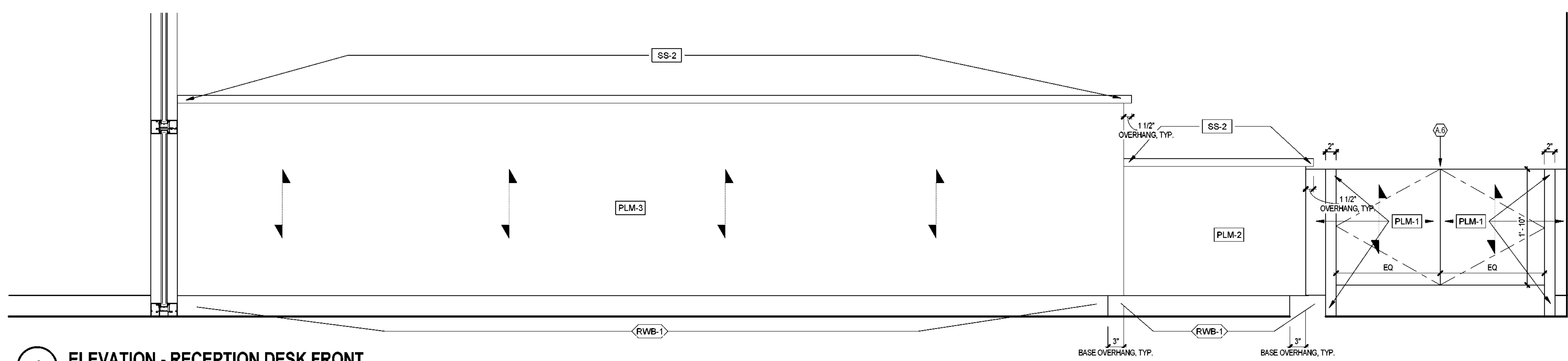
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DRAWN BY: CS CHECKED BY: CH
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: DATE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION



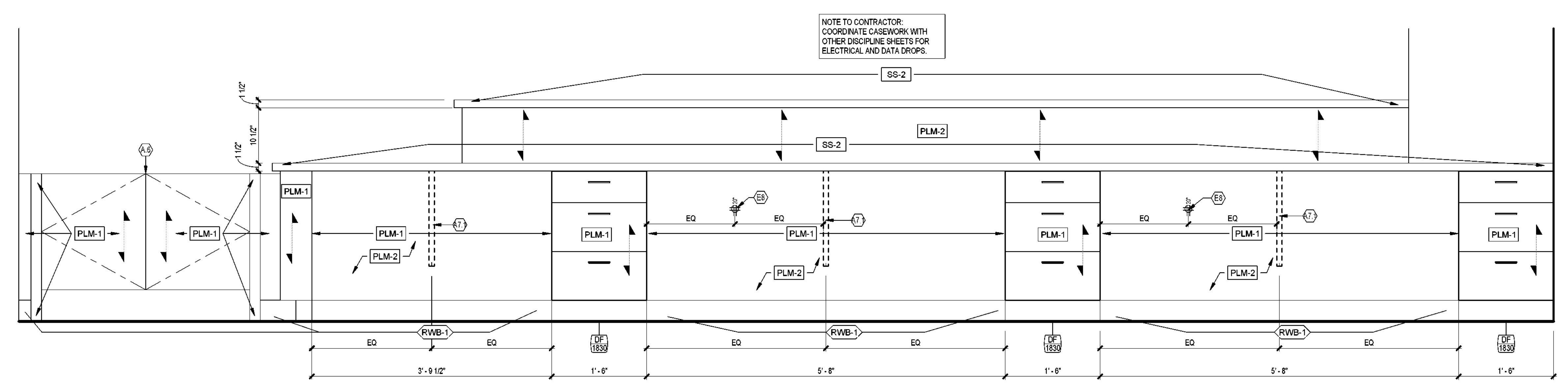
1 ARCHITECTURAL - ENLARGED RECEPTION DESK
SCALE: 3/8" = 1'-0"



3 ELEVATION - RECEPTION DESK SIDE
SCALE: 1" = 1'-0"



4 ELEVATION - RECEPTION DESK FRONT
SCALE: 1" = 1'-0"



2 ELEVATION - RECEPTION DESK BACK
SCALE: 1" = 1'-0"

NOTE TO CONTRACTOR:
COORDINATE CASEWORK WITH
OTHER DISCIPLINE SHEETS FOR
ELECTRICAL AND DATA DROPS.

CASEWORK GENERAL NOTES

- ALL CASEWORK SHOWN ON THIS SHEET IS PLASTIC LAMINATE GLAD UNO.
- ALL EXPOSED SURFACES AND EDGES SHALL RECEIVE PLASTIC LAMINATE AS SCHED.
- ALL SEMI-EXPOSED SURFACES AND EDGES SHALL RECEIVE WHITE MELAMINE UNO, TYP.
- CABINET WIDTHS ARE BASED ON MODULE INCREMENTS OF 3 INCHES FROM 12 TO 36 INCHES WIDE CABINETS AND 6 INCH INCREMENTS FOR 36 TO 48 INCHES OF WIDE CABINETS.
- ALL COUNTERTOPS SHALL BE PLASTIC LAMINATE UNO. PROVIDE 3/4" PLYWOOD SUBSTRATE FOR ALL WET LOCATIONS. 3/4" MDF AT OTHER LOCATIONS, UNO.
- REFER TO BS, DS, FS AND HSA-701 FOR COUNTERTOP DETAILS. HSA-701 IS TYPICAL COUNTERTOP DETAIL UNO ON ELEVATIONS.
- REFER TO SA, DA, FA AND HAA-701 FOR SOFFIT/FURR DOWN DETAILS. HAA-701 IS TYPICAL SOFFIT/FURR DOWN DETAIL UNO ON ELEVATIONS.
- REFER TO SHEET A-701 FOR TYP CASEWORK DETAILS.
- INSTALL 3/4" THK BACKSPLASHES AT ALL LOCATIONS UNO. INSTALL 3/4" END SPLASHES WHEN COUNTER IS ADJACENT TO A PARTITION OR TALLER CASEWORK. LAMINATE ALL EXPOSED EDGES TO MATCH COUNTERTOP. BACKSPLASH AND END SPLASH TO BE 4" HIGH UNO.
- RADIUS ALL OUTSIDE CORNERS OF COUNTERTOPS 1" UNO. DO NOT RADIUS CORNER IF A FULL HEIGHT REFRIGERATOR IS PLANNED IMMEDIATELY NEXT TO COUNTERTOP.
- ADJACENT UPPER CABINETS SHALL HAVE FLUSH BOTTOM TO FORM CONTINUOUS POCKET BEHIND FRONT VALENCE FOR LIGHT FIXTURES. BOTTOM OF EXPOSED SIDES SHALL ALIGN WITH FRONT.
- PROVIDE FILLER PANELS WHERE CASEWORK ABUTS WALL OR HEADER ABOVE 1 INCH MINIMUM TO 3 INCH MAXIMUM WIDTH.
- PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED, EXPOSED CASEWORK OR AT KNEE SPACES.
- OPTION 1: LOCATE GROMMETS 48 INCHES ON CENTER MAX. AT BACK OF COUNTERTOPS ABOVE KNEE SPACE. ONE GROMMET MIN. PER COUNTERTOP RUN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. SHOW GROMMET LOCATIONS ON SHOP DRAWINGS.
- OPTION 2: SCHED GROMMETS SHALL BE INSTALLED IN FIELD. ARCHITECT/OWNER TO DETERMINE LOCATIONS AFTER CASEWORK IS INSTALLED. ESTIMATE GROMMET PER 36" OR FRACTION THEREOF OF COUNTERTOP W/O FLOOR MOUNTED BASE CABINETS.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK.
- SOME DETAILS ON THIS SHEET MAY NOT BE USED.
- PROVIDE FIRE TREATED WOOD BLOCKING WITHIN WALL FOR ALL MOUNTED CASEWORK.

CASEWORK LEGEND

CASEWORK TAG
CASEWORK ELEVATION TYPE
NOMINAL WIDTH IN INCHES
NOMINAL HEIGHT IN INCHES

DESCRIPTION	NOMENCLATURE
1 DRAW OVER 1 DRAWER OVER 2 DOORS W/ 1 SHELF	DR
1PEN. 4DWR. EQ. 1 PENCIL DRAWER OVER	DR
4 DRAWERS EQUAL SIZE	DR
3 OPEN SPACES	DR

ABBREVIATIONS
CSWK CASEWORK
CNTR COUNTER
DR DOOR
DWR DRAWER
EQ EQUAL
EQIP EQUIPMENT
HD HEAVY DUTY
KNEE KNEE SPACE
LCKR LOCKER
OPEN OPEN SPACE(S)
PEN PENCIL DRAWER
REF REFRIGERATOR
SHF SHELF OR SHELVES
STOR STORAGE

KEYED NOTES

NUMBER	DESCRIPTION
A7.1	REFERENCE A-701 FOR PANEL SUPPORT.
A.8	HALF-WAIST DOOR. MANUFACTURE AND INSTALLATION BY OTHER.
E8	PROVIDE RECESSED QUAD ELECTRICAL RECEPTACLE AT 20" HEIGHT. REFERENCE ELECTRICAL.

FINISHES LEGEND

CPT-1	FLOOR FINISH TAG. REFER TO FINISH SCHEDULE
RWB-1	WALL / BASE FINISH TAG. REFER TO FINISH SCHEDULE
ACT-1	CEILING FINISH TAG. REFER TO FINISH SCHEDULE
PLM-1	MILLWORK / MISC FINISH TAG. REFER TO FINISH SCHEDULE
SS-1	SOLID SURFACE
↖	WOOD GRAIN DIRECTION

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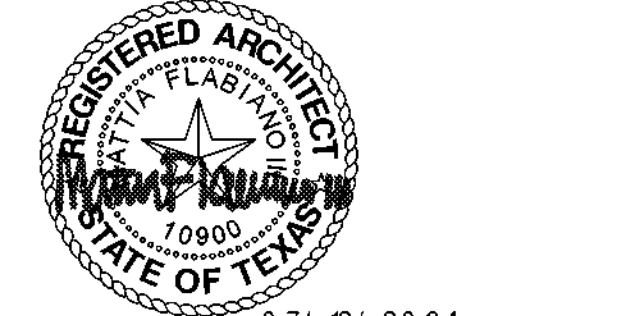
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REVISION HISTORY

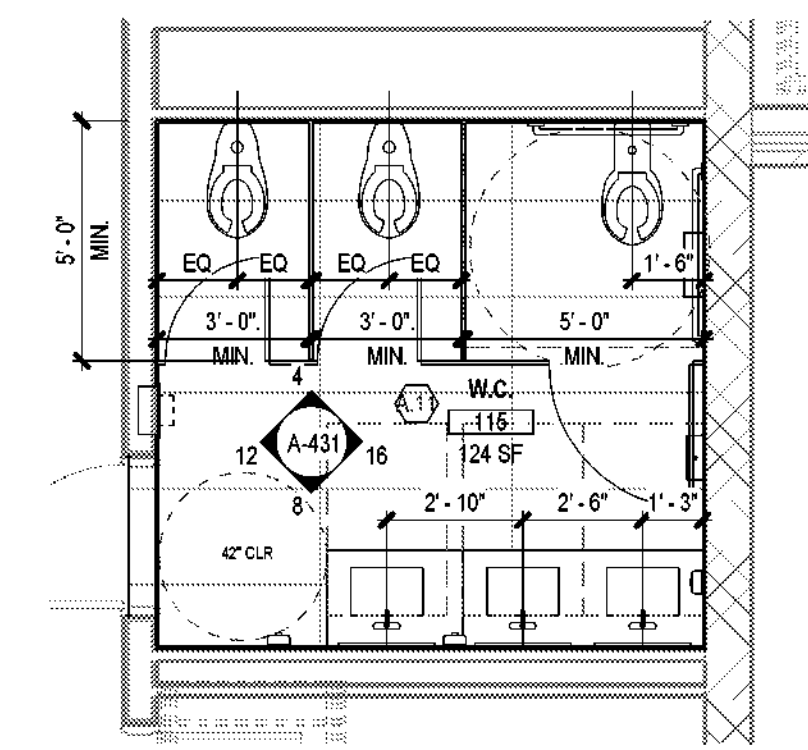
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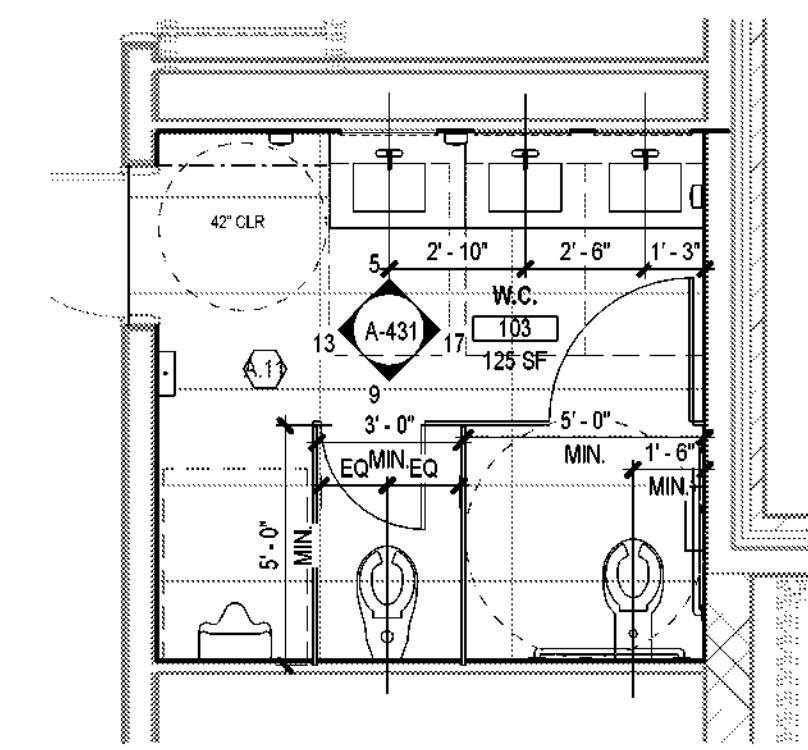
ARCHITECTURAL - ENLARGED YMCA RESTROOMS

DRAWN BY CS CHECKED BY CH
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
ORIGINAL DATE 100% ISSUE FOR CONSTRUCTION DATE 12 JULY 2024

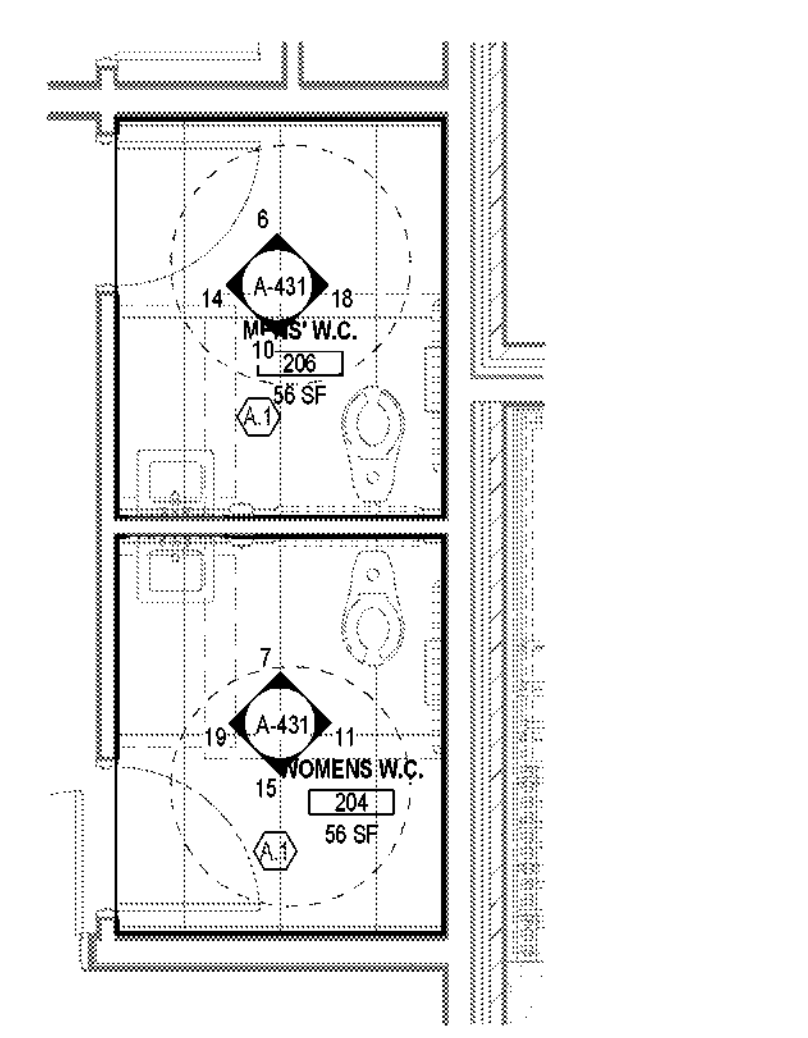
A-431
SHEET NUMBER



1 ARCHITECTURAL - YMCA LEVEL 01 - ENLARGED WOMENS RESTROOM
SCALE: 1/4" = 1'-0"



2 ARCHITECTURAL - YMCA LEVEL 01 - ENLARGED MENS RESTROOM
SCALE: 1/4" = 1'-0"



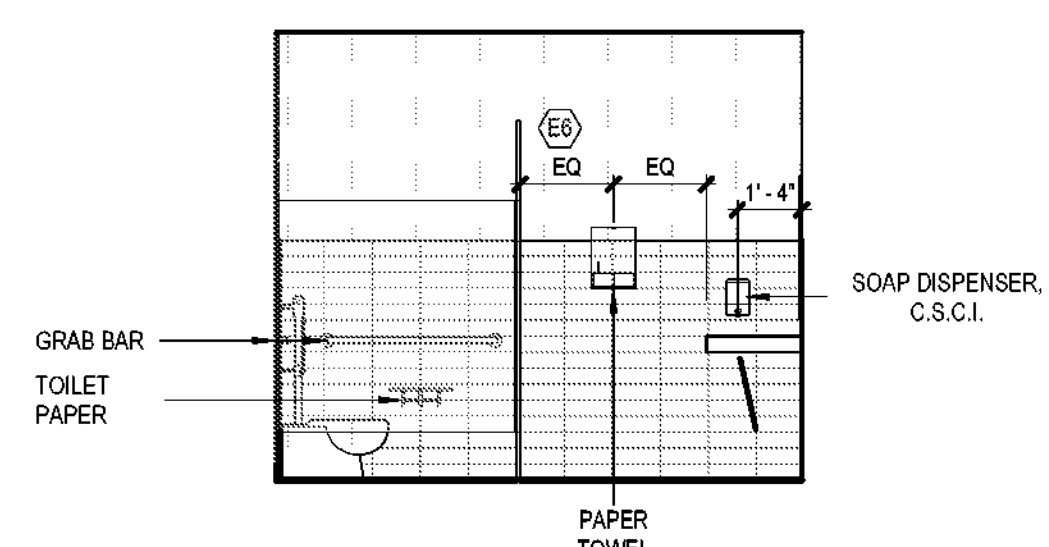
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ENLARGED TOILET PLAN NOTES

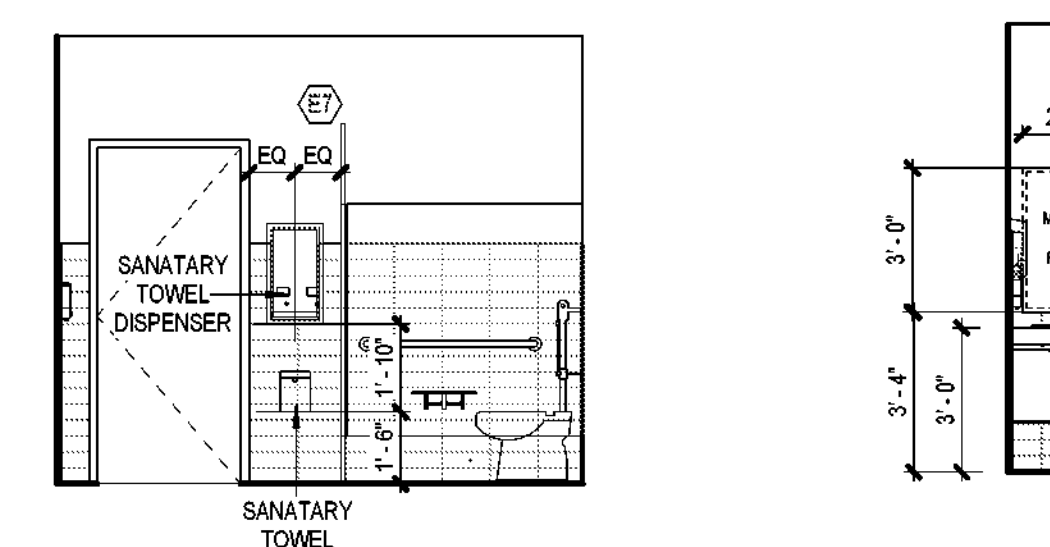
1. WALL, BASE, AND FLOOR TILE ALL TO ALIGN.
2. FLOOR CERAMIC TILE SHALL BE TL-1 UNLESS OTHERWISE NOTED.
3. TILE WAINSCOT SHALL BE 5' F.F. UNLESS OTHERWISE NOTED.
4. REFERENCE A1-101 FOR W.C. WALL FINISHES.
5. CEILING SHALL RECEIVE PNT-2 UNLESS OTHERWISE NOTED.
6. ALL OUTSIDE CORNER AND TOP OF WAINSCOT SHALL RECEIVE TL-4 TRIM. GC TO VERIFY WIDTH OF TRIM REQUIRED FOR EACH TILE TYPE.
7. ALIGN ALL WALL AND FLOOR JOINTS.
8. REFERENCE TYPICAL FIXTURES AND ACCESSORIES - MOUNTING HEIGHTS (A431) FOR INSTALLATION IF HEIGHTS ARE NOT NOTED.
9. PROVIDE TOILET TISSUE DISPENSER, SANITARY NAPKIN / TRASH DISPOSAL PER IN SCOPE TOILET.
10. REFERENCE FINISH SCHEDULE FOR FLOORING AND WALL TREATMENTS.
11. REFERENCE PLUMBING SERIES DRAWINGS FOR FIXTURES.
12. REFERENCE SPECIFICATION 10 25 00 FOR TOILET ACCESSORIES.

KEYED NOTES

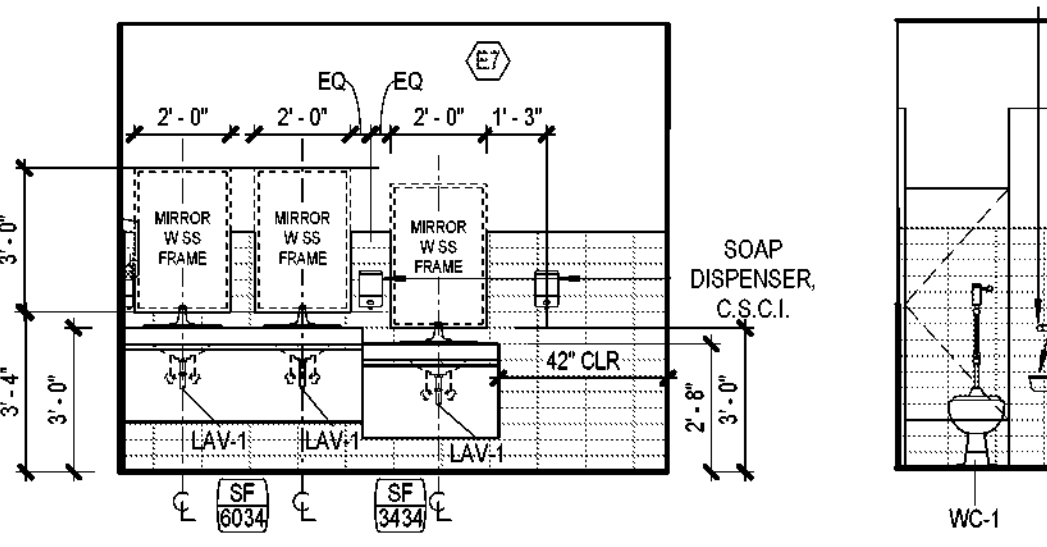
NUMBER	DESCRIPTION
A.1	PROVIDE NEW FINISHES. PROTECT EXISTING FIXTURES AND CEILING. REFERENCE INTERIORS FINISH SCHEDULE. PROVIDE NEW FINISHES. REFERENCE INTERIOR FINISH SCHEDULE. PROVIDE NEW FIXTURES. REFERENCE PLUMBING SCHEDULE.
A.11	PROVIDE NEW FINISHES. REFERENCE INTERIOR FINISH SCHEDULE. PROVIDE NEW FIXTURES. REFERENCE PLUMBING SCHEDULE.
E6	PROVIDE PNT-2 ON EXISTING CMU FACE.
E7	PROVIDE PNT-2 ON EXISTING PLASTER FACE.



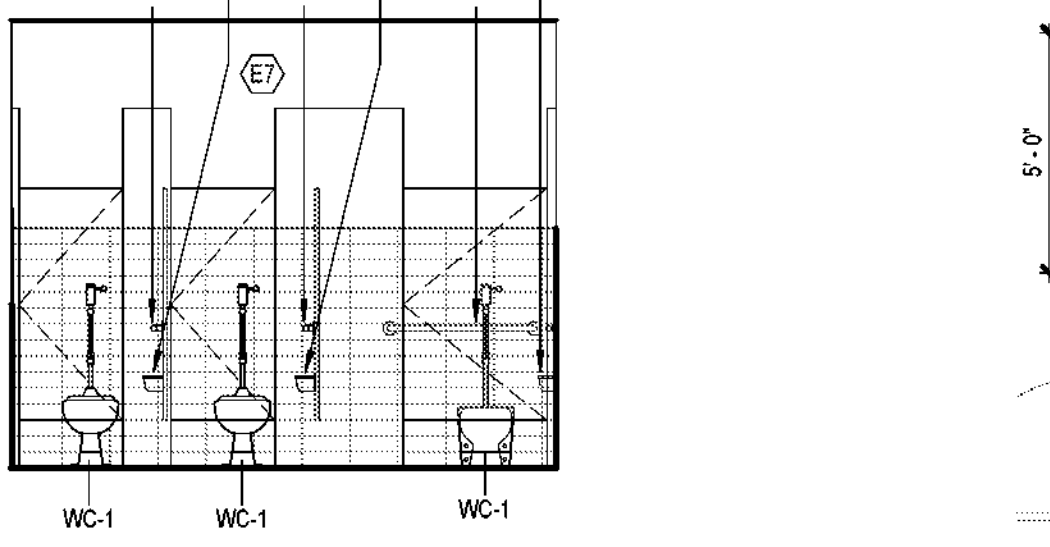
16 L1 - WOMEN'S W.C. ELEVATION - NORTH
SCALE: 1/4" = 1'-0"



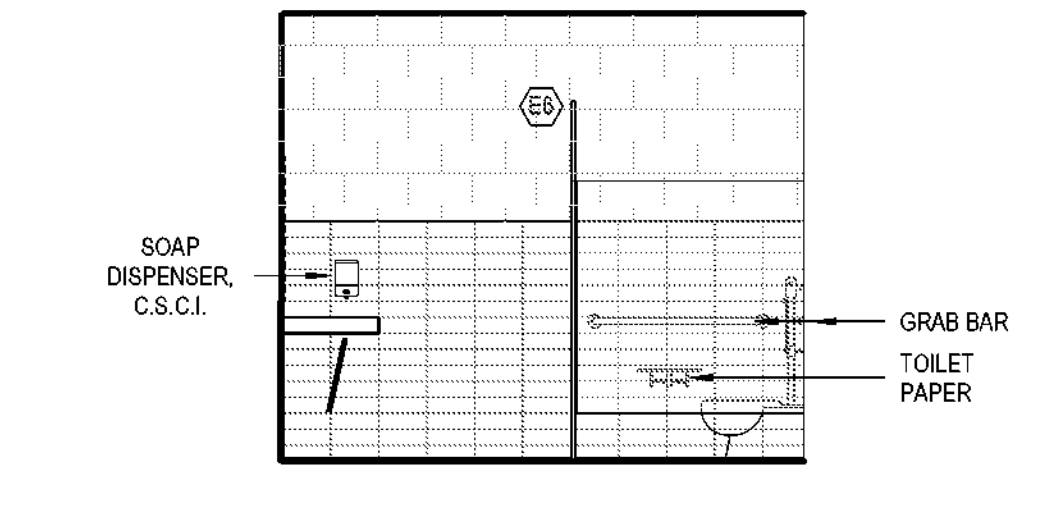
12 L1 - WOMEN'S W.C. ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



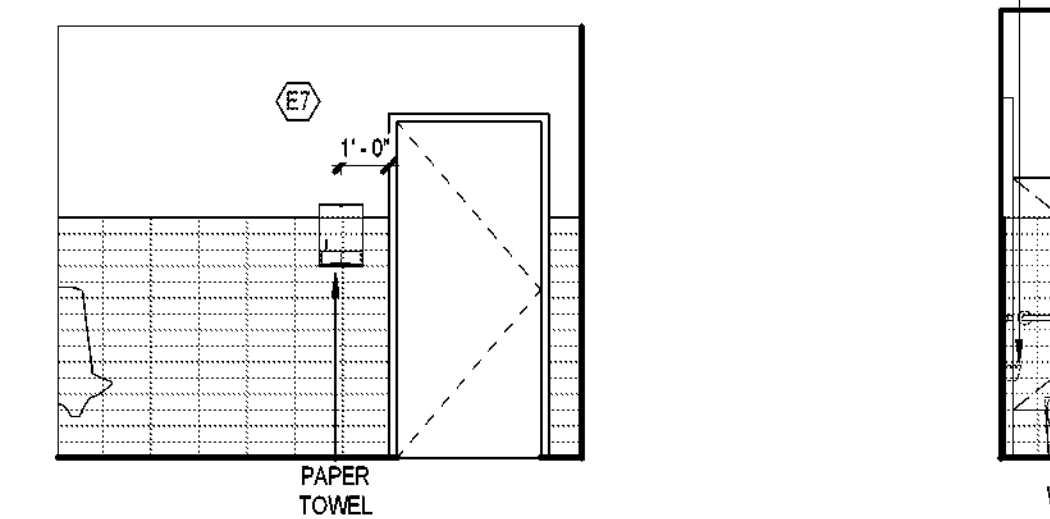
8 L1 - WOMEN'S W.C. ELEVATION - EAST
SCALE: 1/4" = 1'-0"



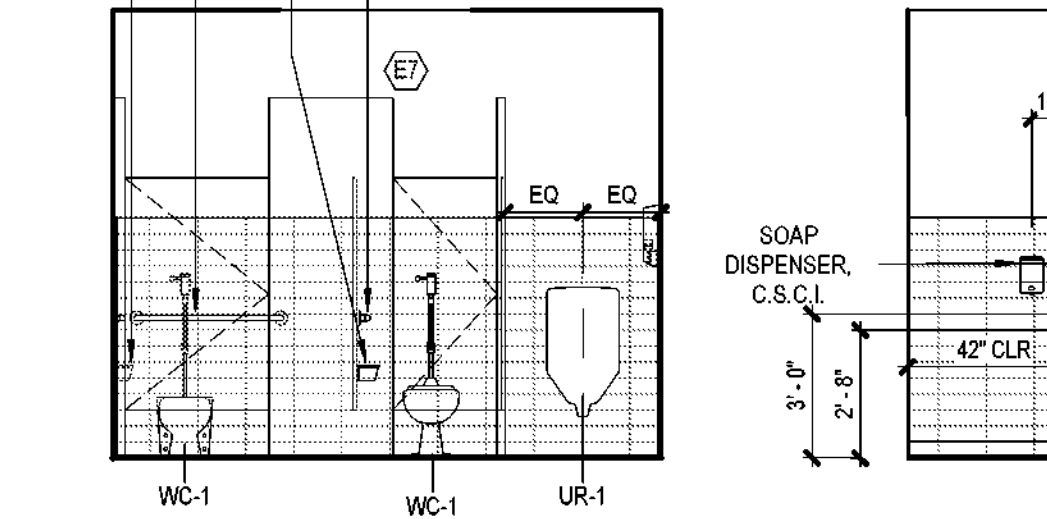
4 L1 - WOMEN'S W.C. ELEVATION - WEST
SCALE: 1/4" = 1'-0"



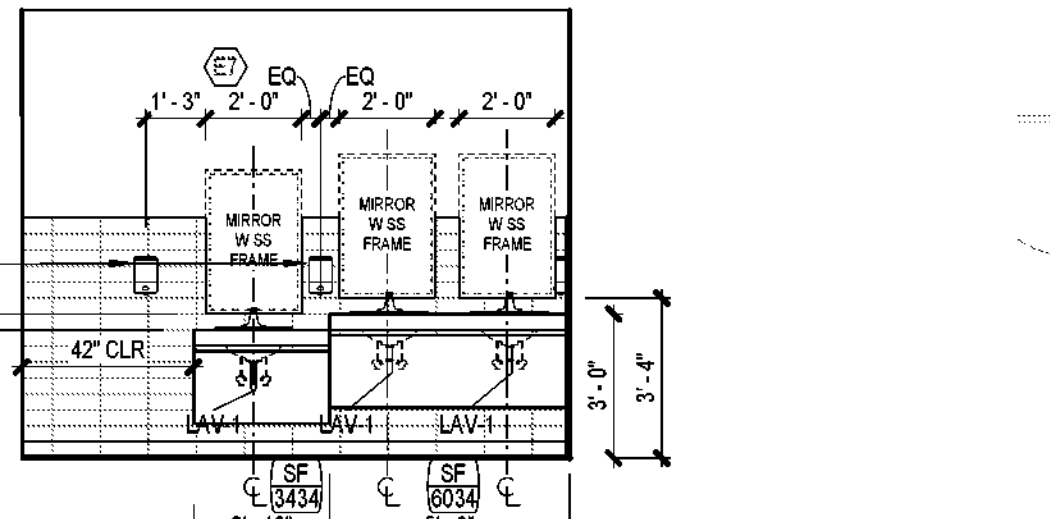
17 L1 - MEN'S W.C. ELEVATION - NORTH
SCALE: 1/4" = 1'-0"



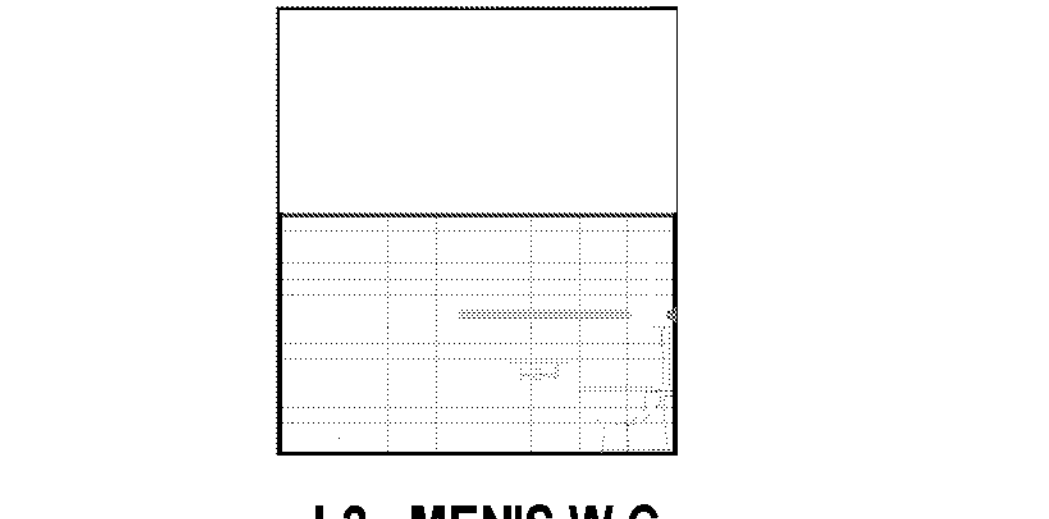
13 L1 - MEN'S W.C. ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



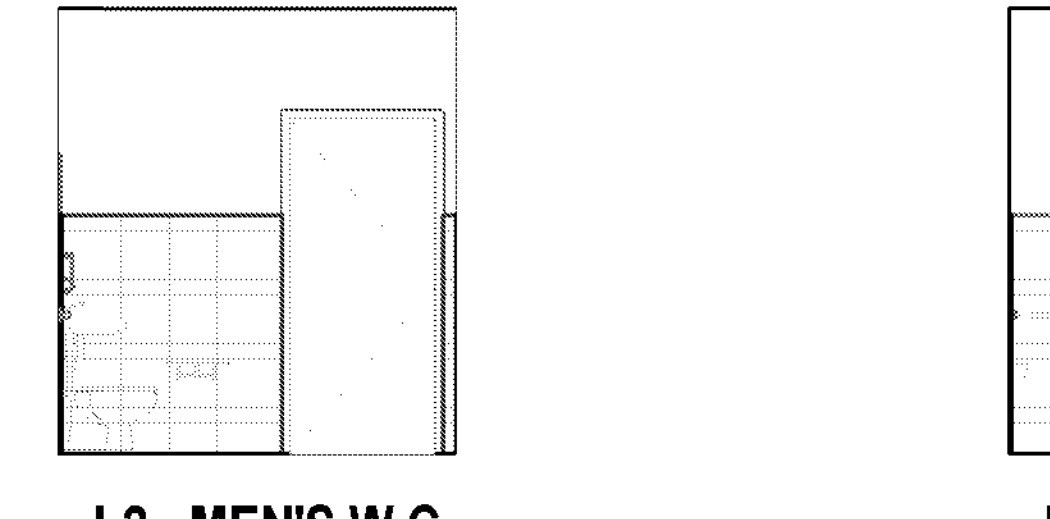
9 L1 - MEN'S W.C. ELEVATION - EAST
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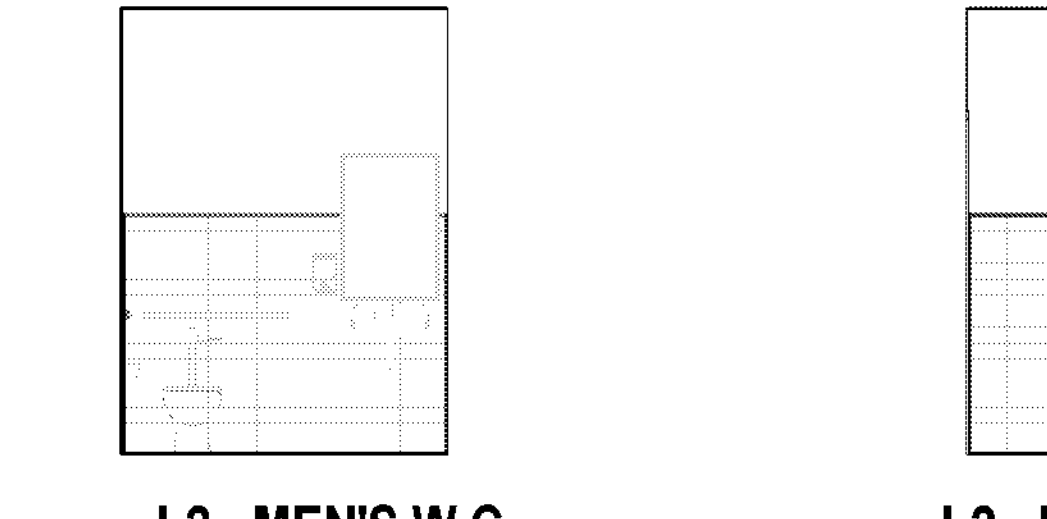
5 L1 - MEN'S W.C. ELEVATION - WEST
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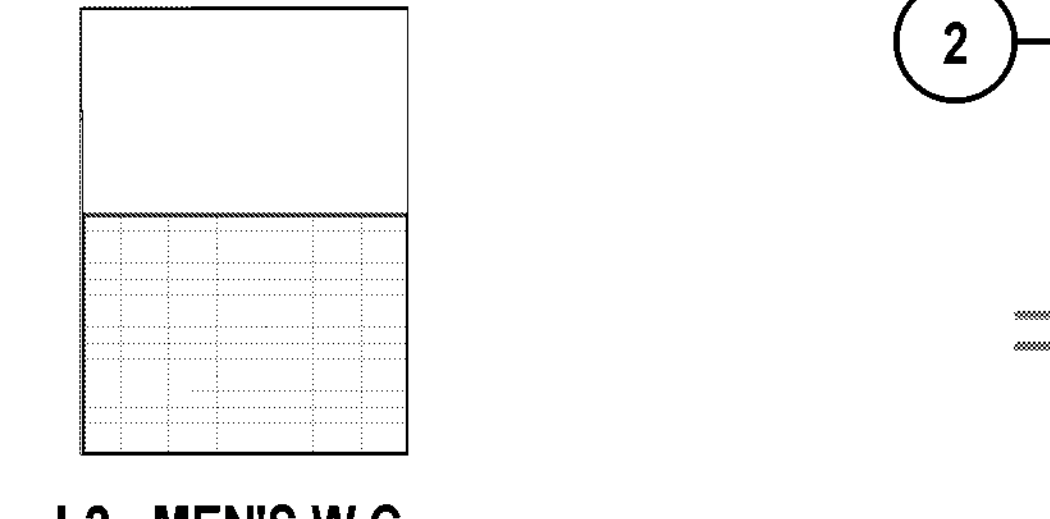
18 L2 - MEN'S W.C. ELEVATION - NORTH
SCALE: 1/4" = 1'-0"



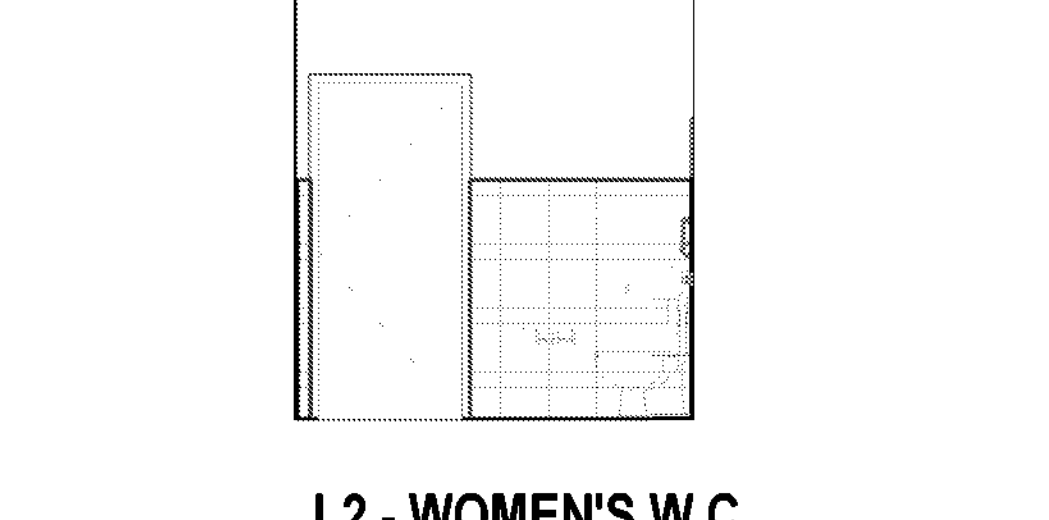
14 L2 - MEN'S W.C. ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



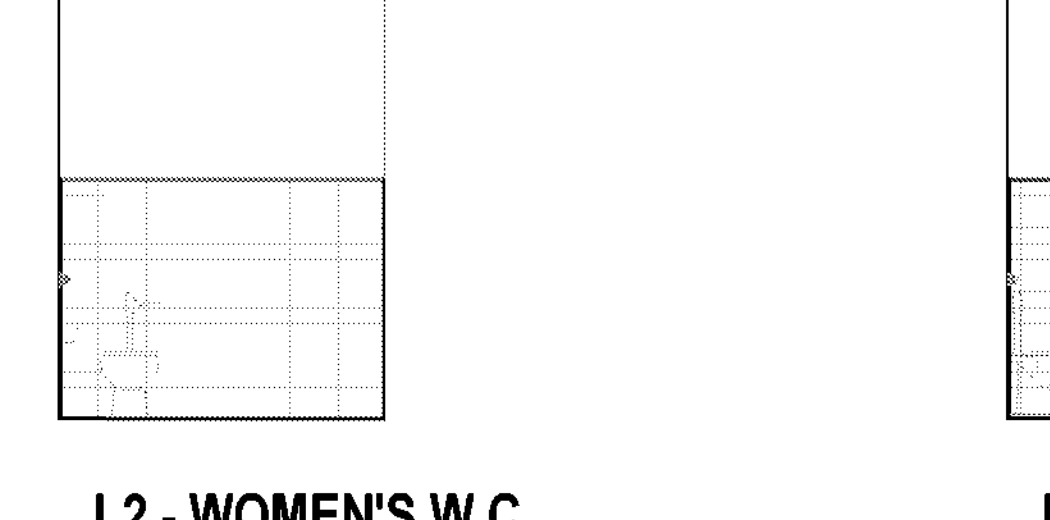
10 L2 - MEN'S W.C. ELEVATION - EAST
SCALE: 1/4" = 1'-0"



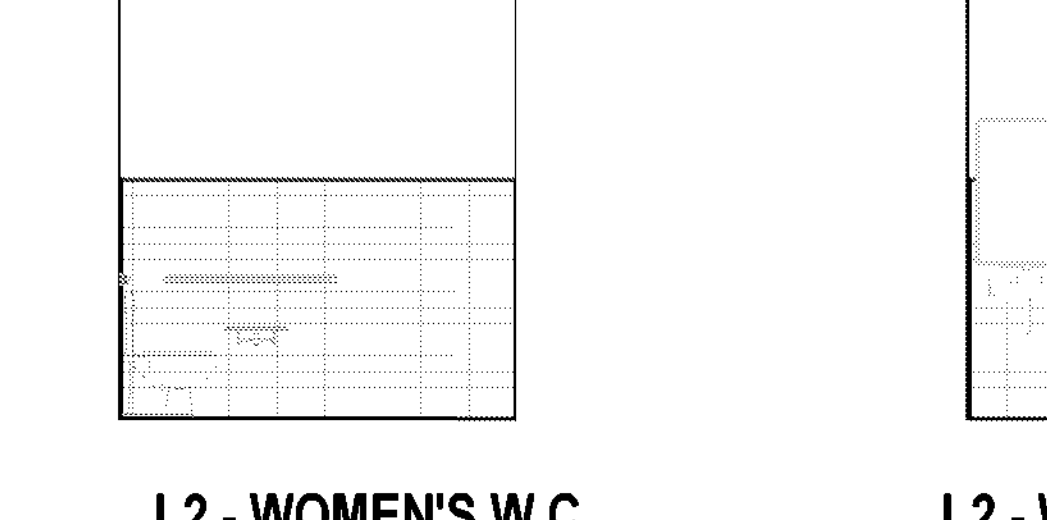
6 L2 - MEN'S W.C. ELEVATION - WEST
SCALE: 1/4" = 1'-0"



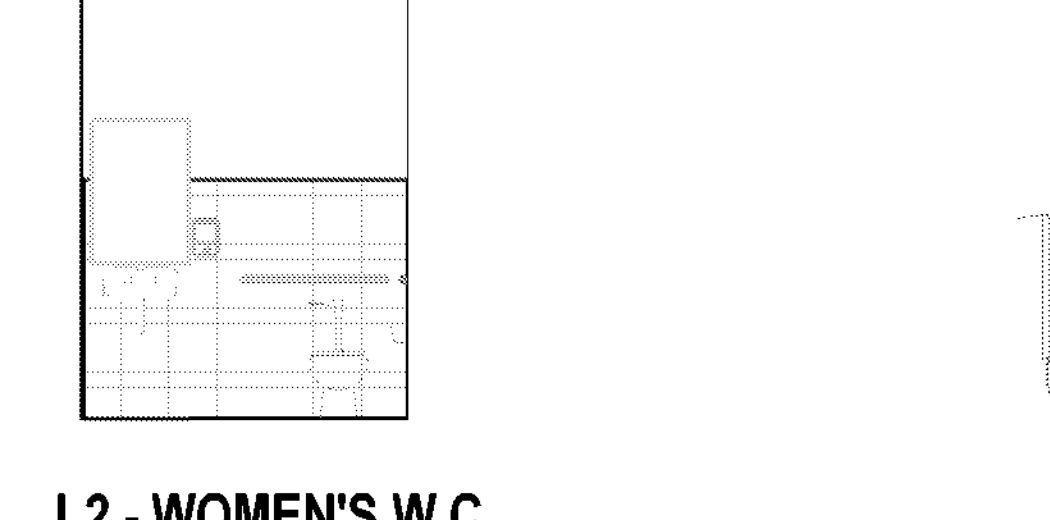
19 L2 - WOMEN'S W.C. ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



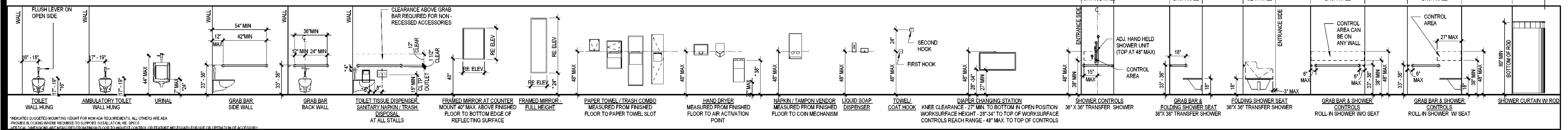
15 L2 - WOMEN'S W.C. ELEVATION - EAST
SCALE: 1/4" = 1'-0"



11 L2 - WOMEN'S W.C. ELEVATION - NORTH
SCALE: 1/4" = 1'-0"



7 L2 - WOMEN'S W.C. ELEVATION - WEST
SCALE: 1/4" = 1'-0"



TYPICAL FIXTURES AND ACCESSORIES - MOUNTING HEIGHTS

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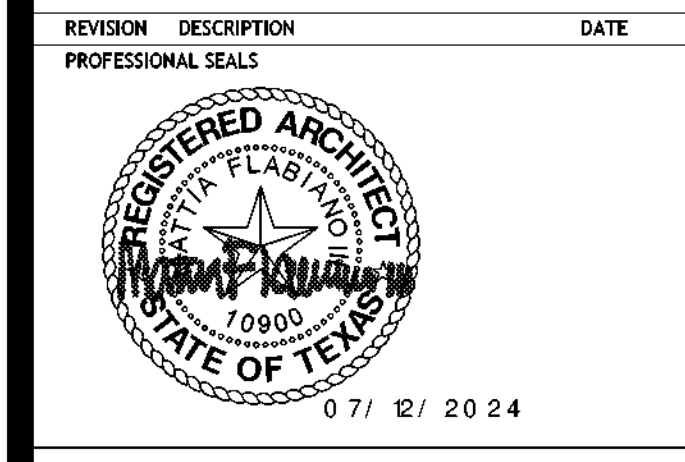
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REVISION	DESCRIPTION	DATE

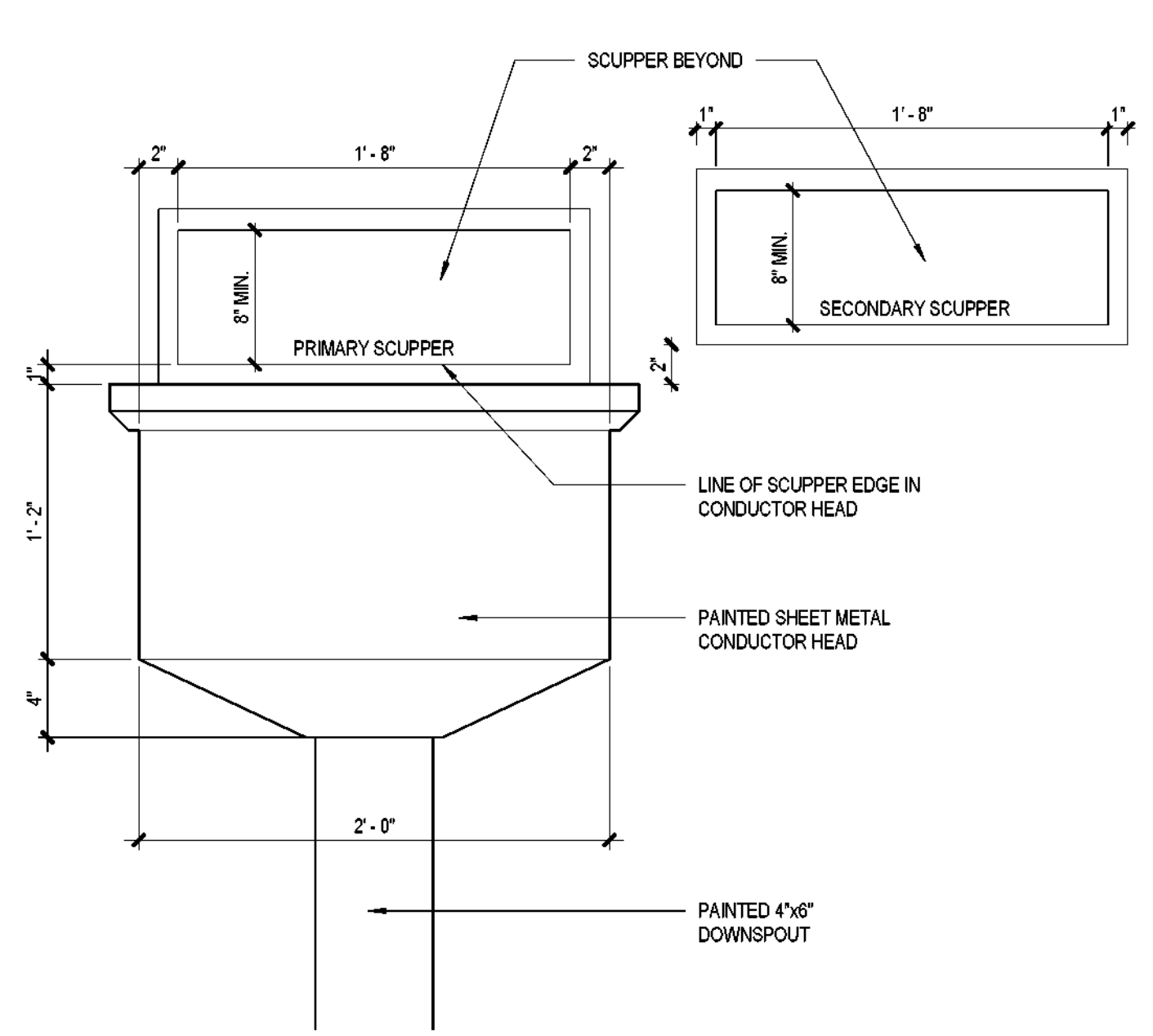


ARCHITECTURAL - ROOF DETAILS 1

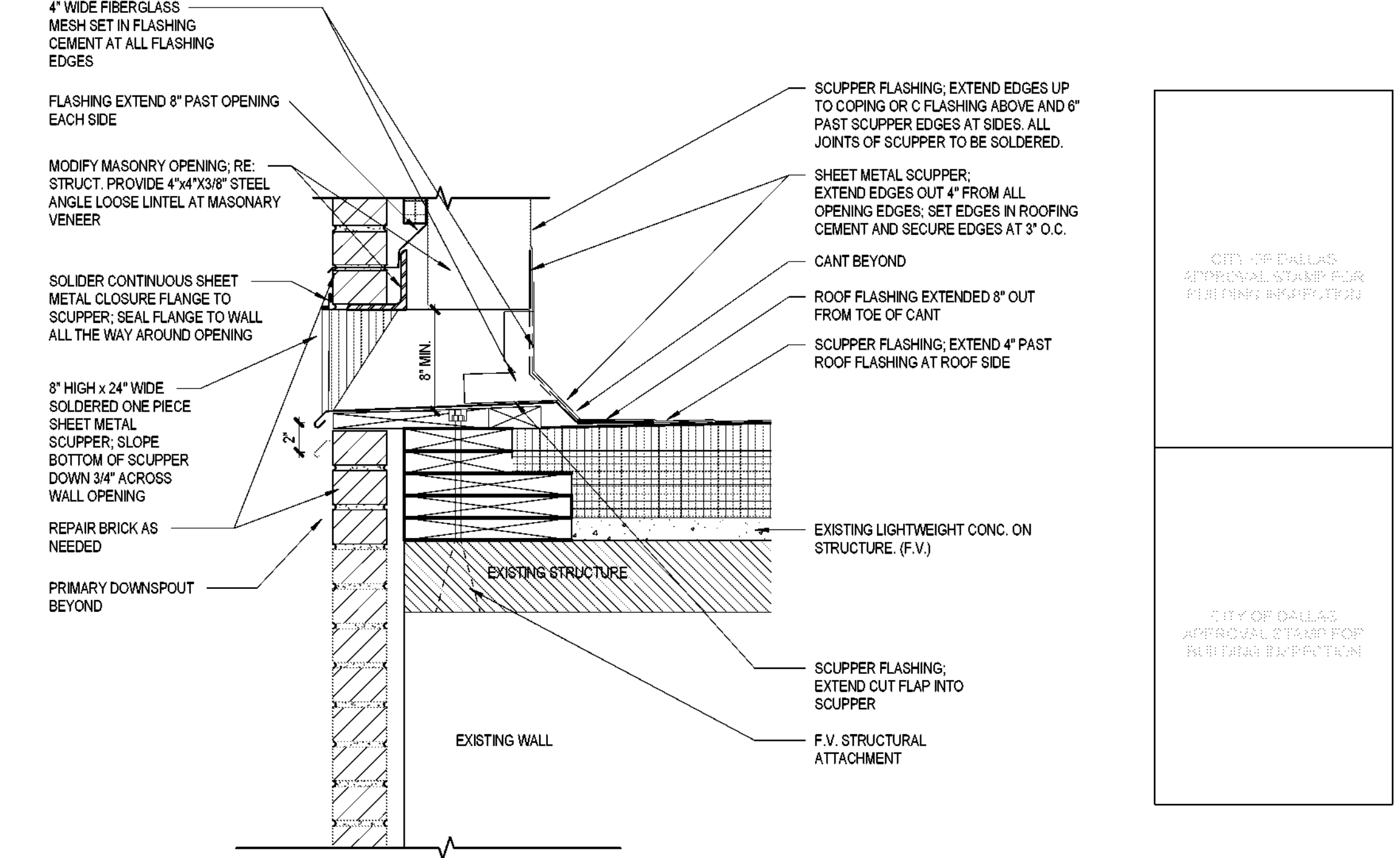
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CHECKED BY: CH
PROJECT ABBREVIATION: GEAR
DATE: 12 JULY 2024

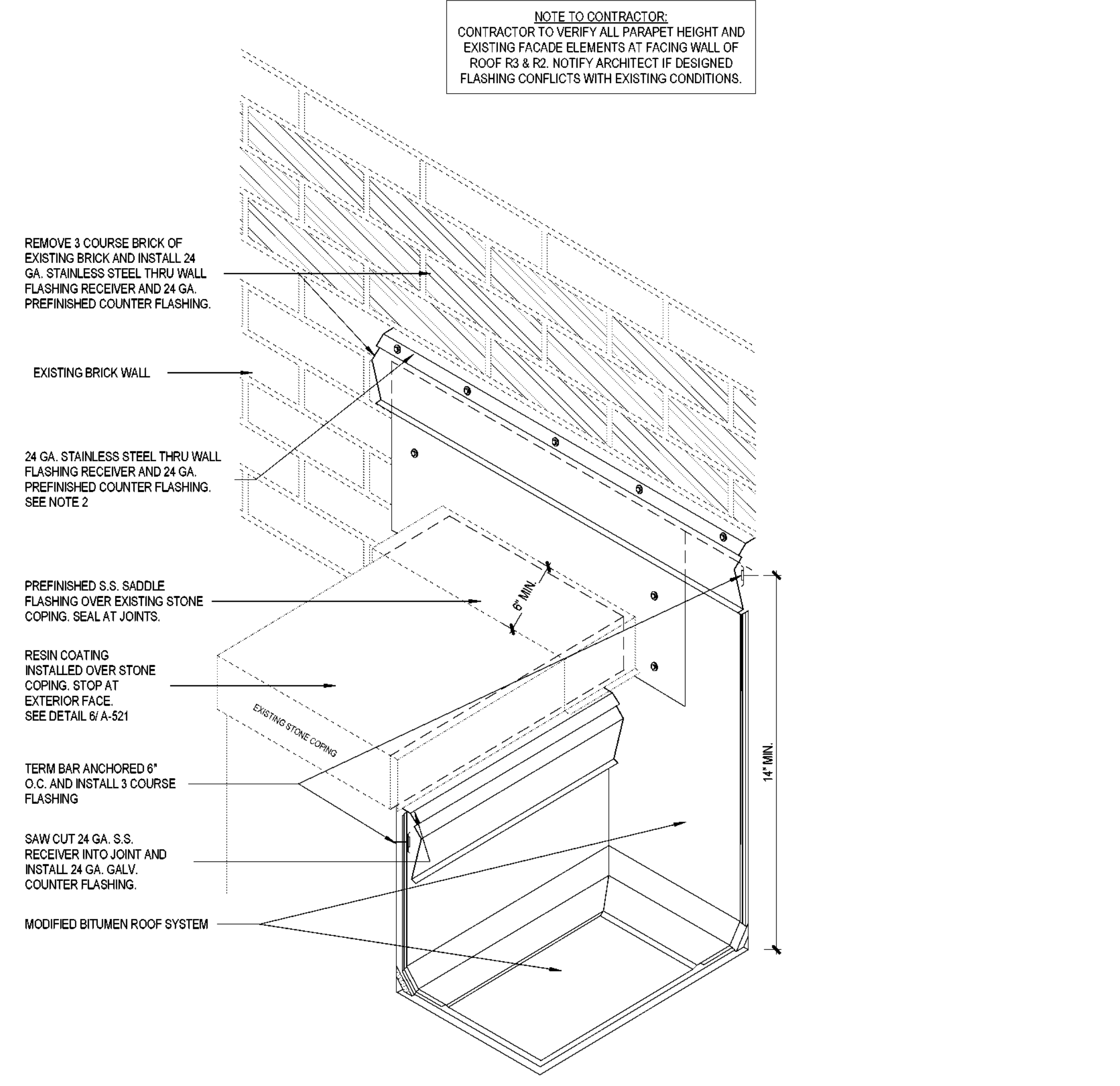
A-521
SHEET NUMBER



3 CONDUCTOR HEAD
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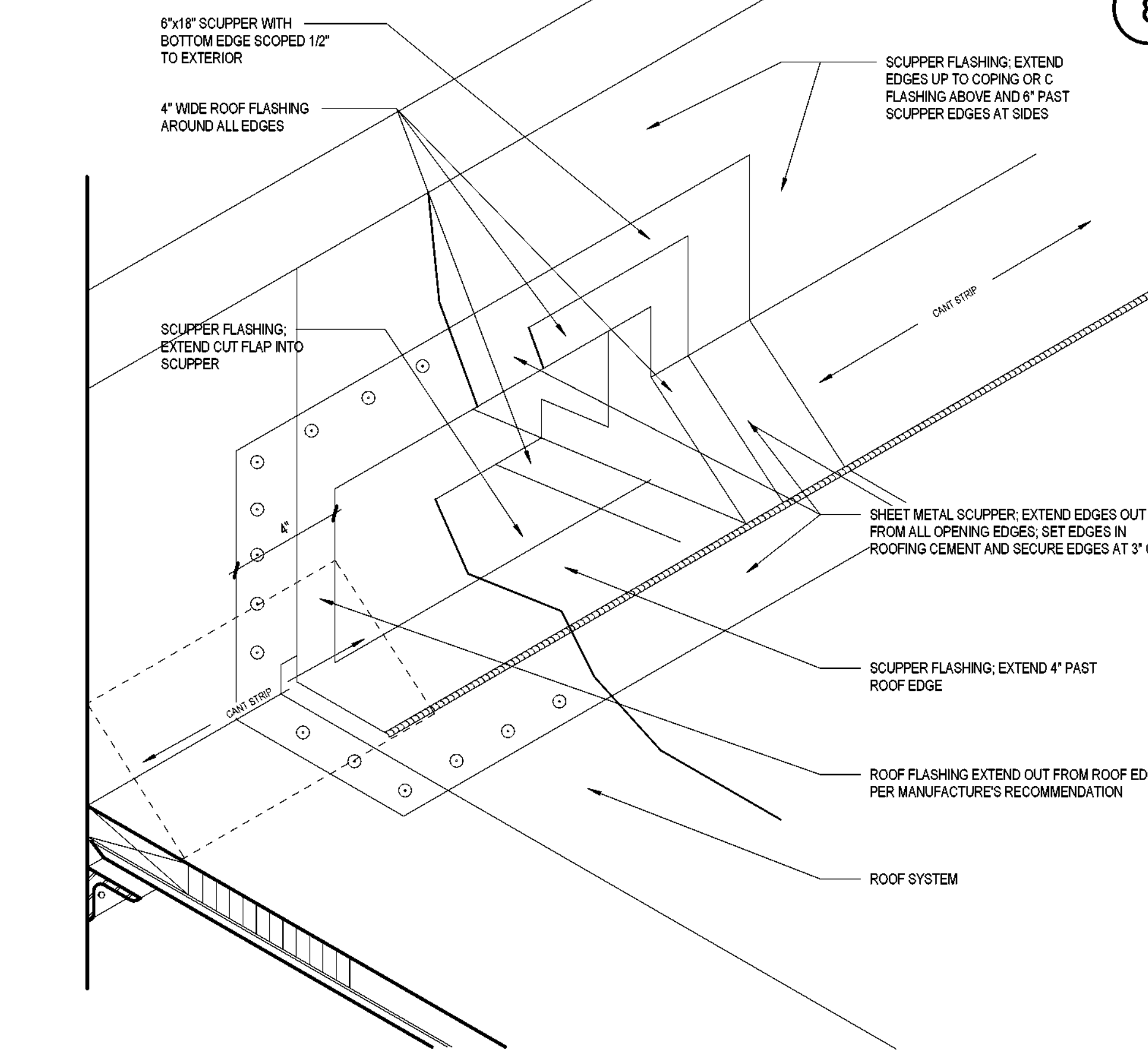
8 ROOF OVERFLOW SCUPPER
SCALE: 1 1/2" = 1'-0"



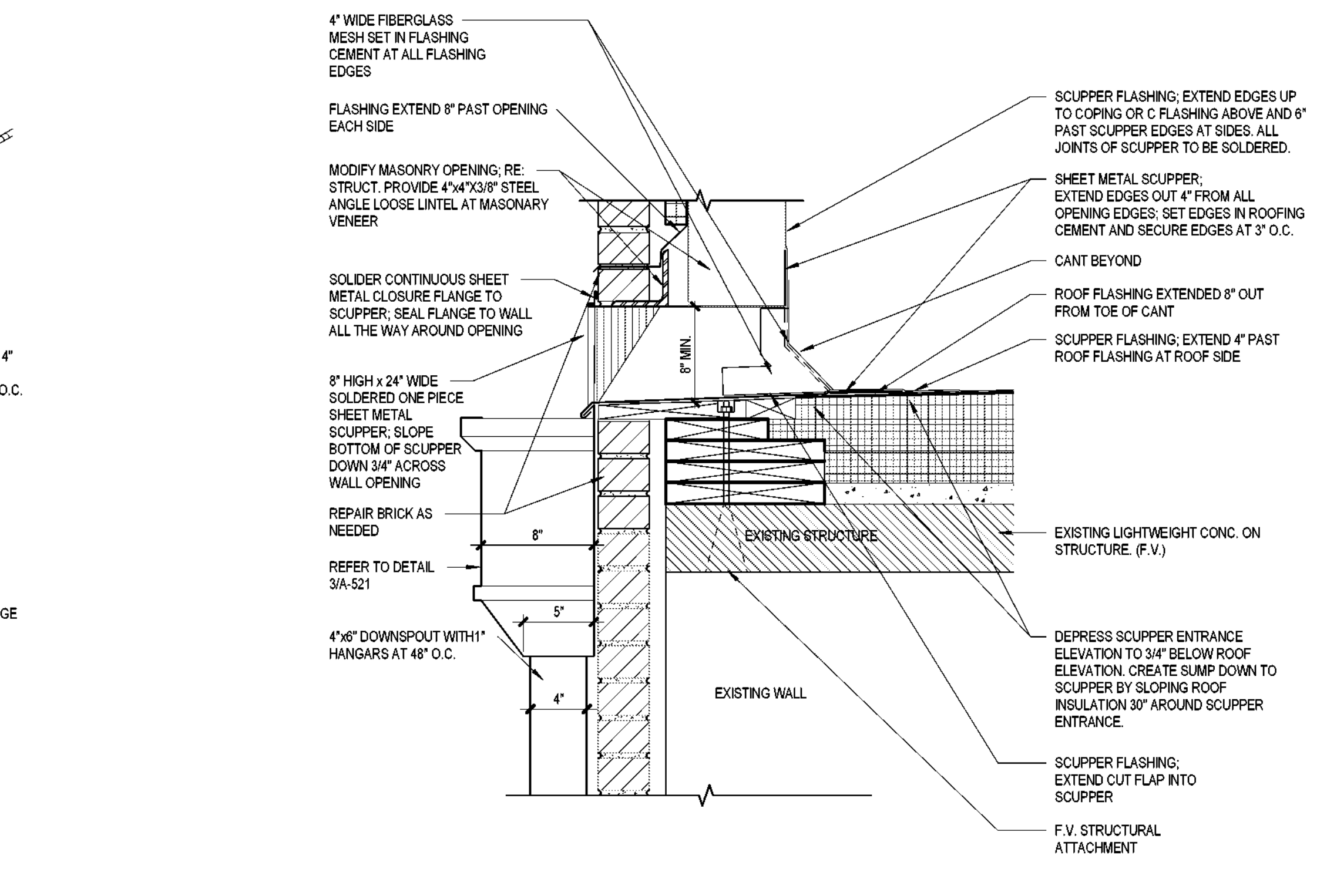
NOTES:

- CONTRACTOR SHALL CONDUCT DISCOVERY OF IDENTIFY COMPOSITION OF WALL CAVITIES ASSOCIATED WITH THIS DETAIL.
- IF CONDITION IS AN OPEN WALL CAVITY AND NOT SOLID, REMOVE 3 COURSES OF BRICK ABOVE AND INSTALL THROUGH WALL FLASHING RECEIVER, RESTORE BRICK TO PREVIOUS CONDITION.
- IF WALL CONDITION IS A SOLID CONDITION, SAW CUT GROUT LINE TO RECEIVE IMBED RECEIVER.
- THIS DETAIL SHOULD BE USED ONLY WHERE THE DECK IS SUPPORTED BY THE WALL.
- THE JOINTS IN THE TWO PIECES OF FLASHING SHOULD NOT BE SOLDERED. BREAKS IN SOLDERED JOINTS COULD CHANNEL WATER BEHIND THE FLASHING. CLIPS AT THE BOTTOM OF THE FLASHING ARE NOT NECESSARY ON FLASHING OF 6" OR LESS.

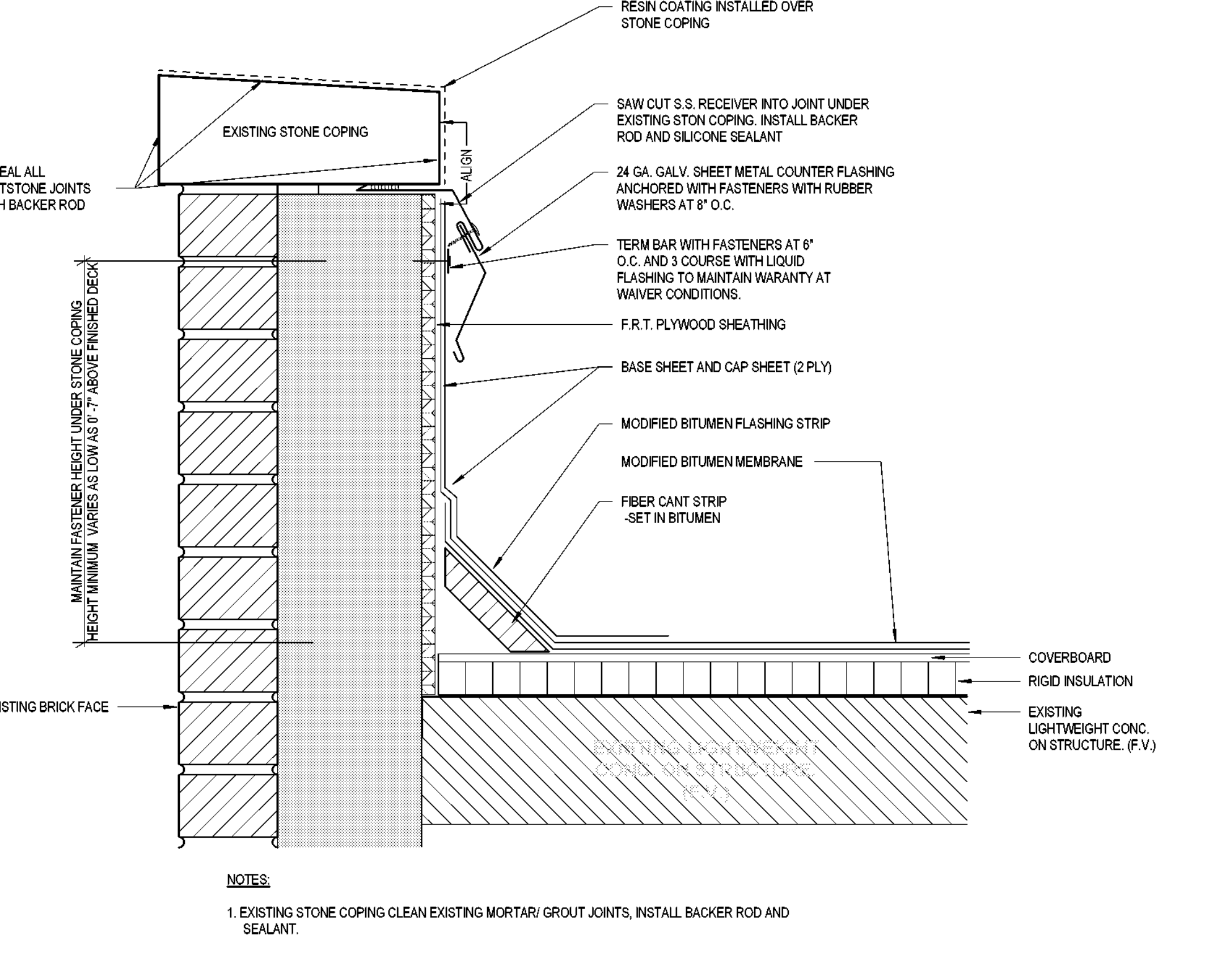
7 MODIFIED BITUMEN - PARAPET TRANSITION - AXON
SCALE: 1 1/2" = 1'-0"



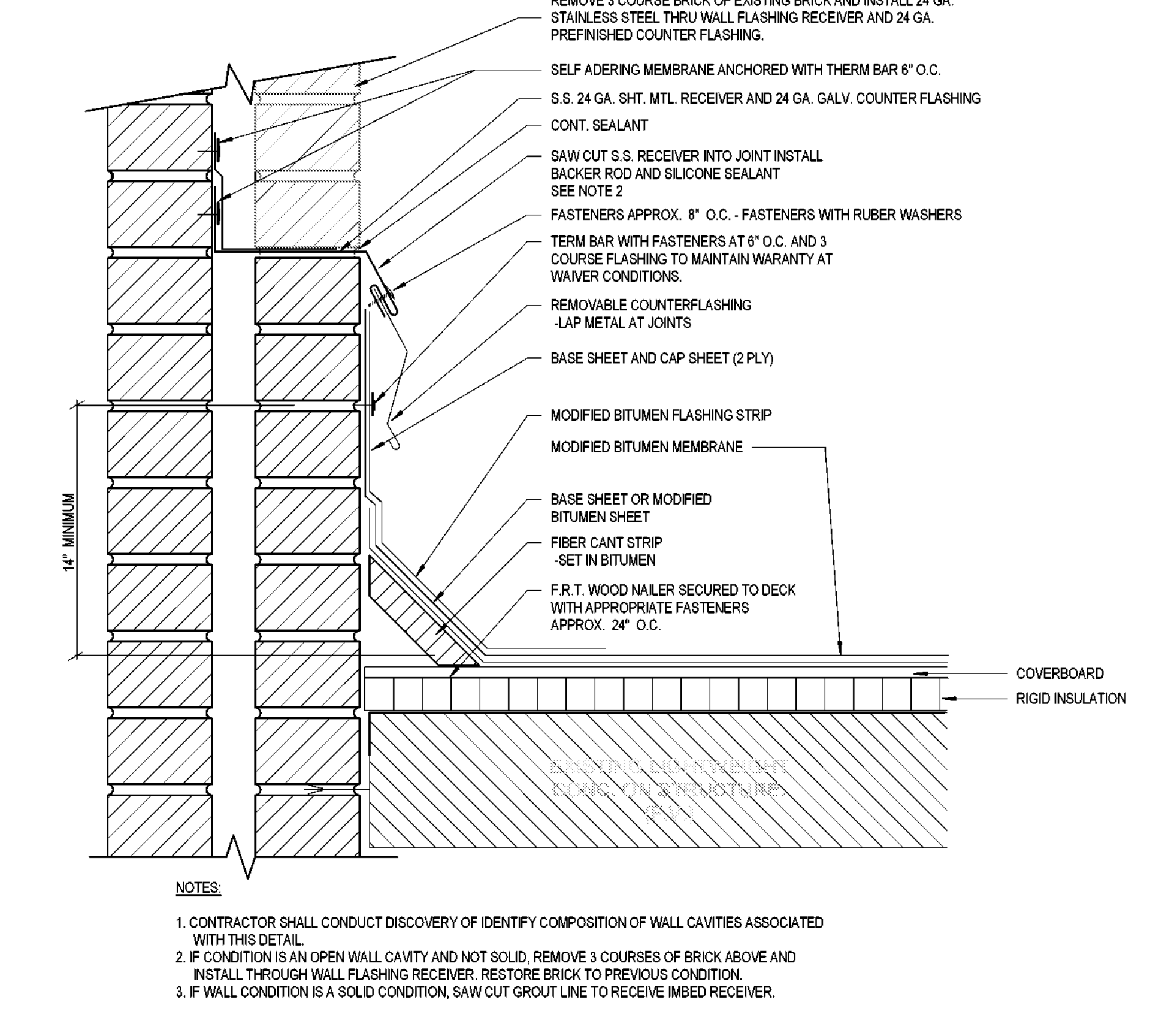
5 ROOF SCUPPER AXON
SCALE: 1 1/2" = 1'-0"



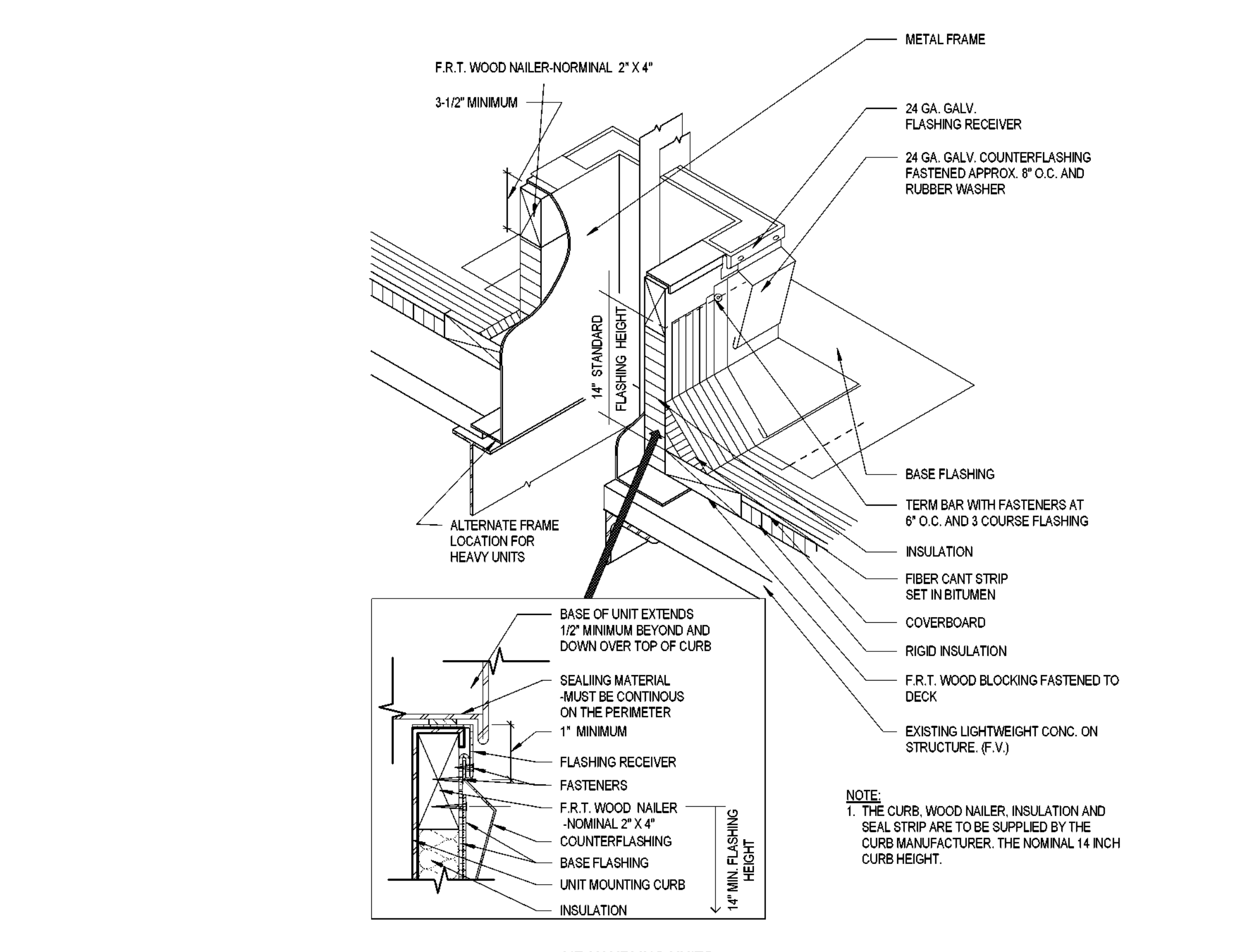
2 ROOF SCUPPER
SCALE: 1 1/2" = 1'-0"



6 MODIFIED BITUMEN - BASE FLASHING FOR WALL SUPPORTED DECK
SCALE: 3" = 1'-0"



4 MODIFIED BITUMEN - BASE FLASHING FOR VENTED BASE SHEET
SCALE: 3" = 1'-0"



1 CURB DETAIL - ROOFTOP EQUIPMENT CURB AXON
SCALE: 3" = 1'-0"

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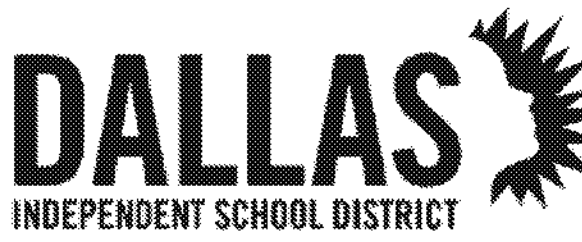
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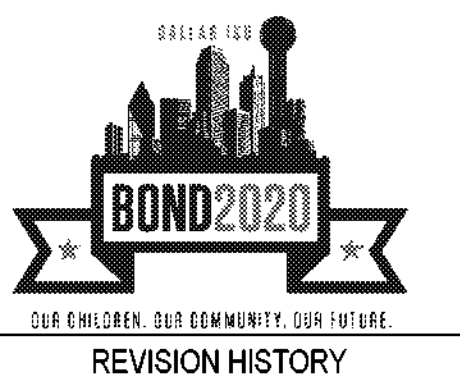
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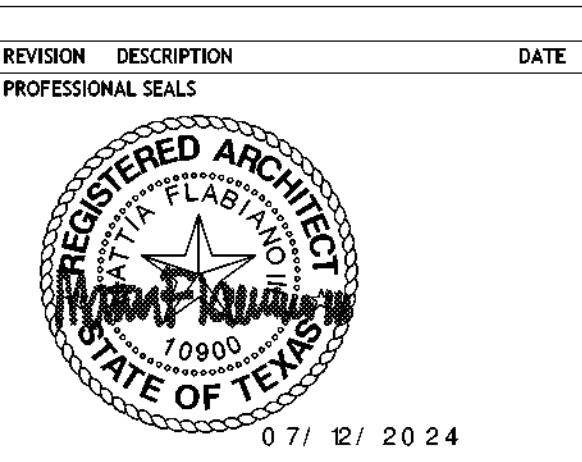
CIVIL ENGINEER
Page Southerland Page, Inc.
200 W. 6th St.
Suite 1800
Austin, TX 78701
512-472-9721



ORG049 Greiner Exploratory Arts Academy
 501 S Edgeland Ave
 Dallas, TX 75208



REVISION	DESCRIPTION	DATE



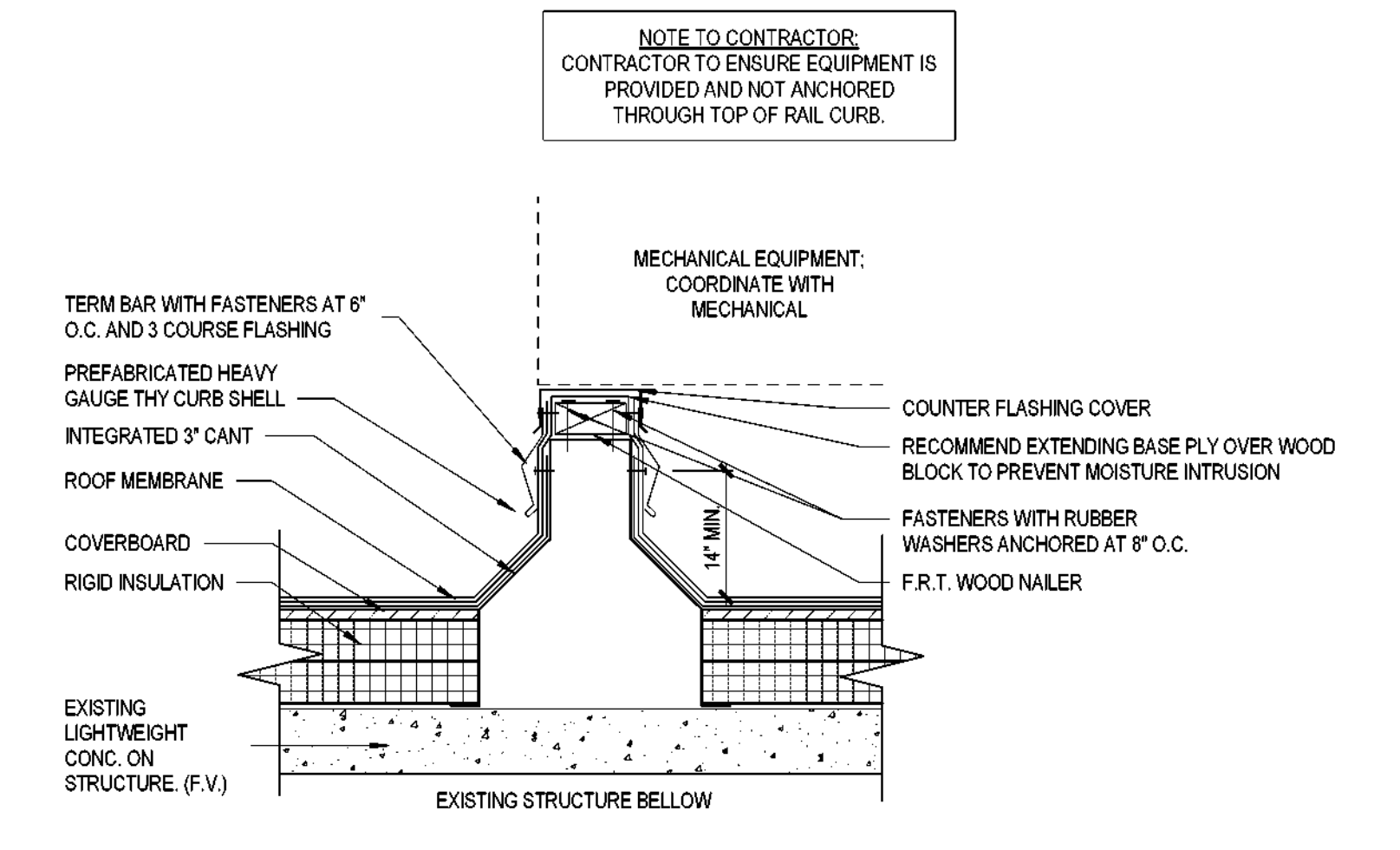
ARCHITECTURAL - ROOF DETAILS 2

DRAWN BY	CS	CHECKED BY	CH
PROJECT NUMBER	32AC23037	PROJECT ABBREVIATION	GEAA
ORIGINAL ISSUE	100% ISSUE FOR CONSTRUCTION	DATE	12 JULY 2024

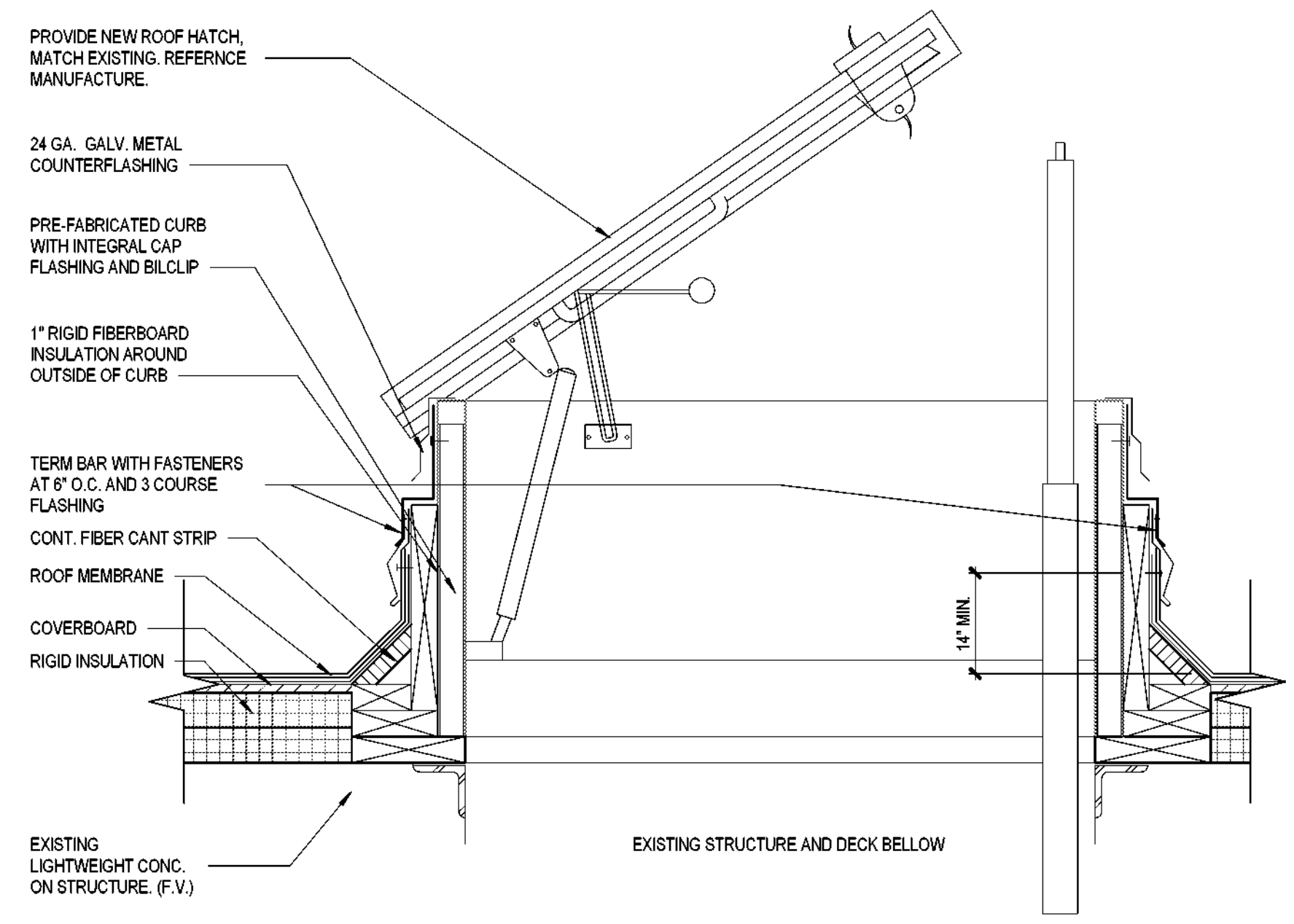
A-522
SHEET NUMBER

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC INFRASTRUCTURE

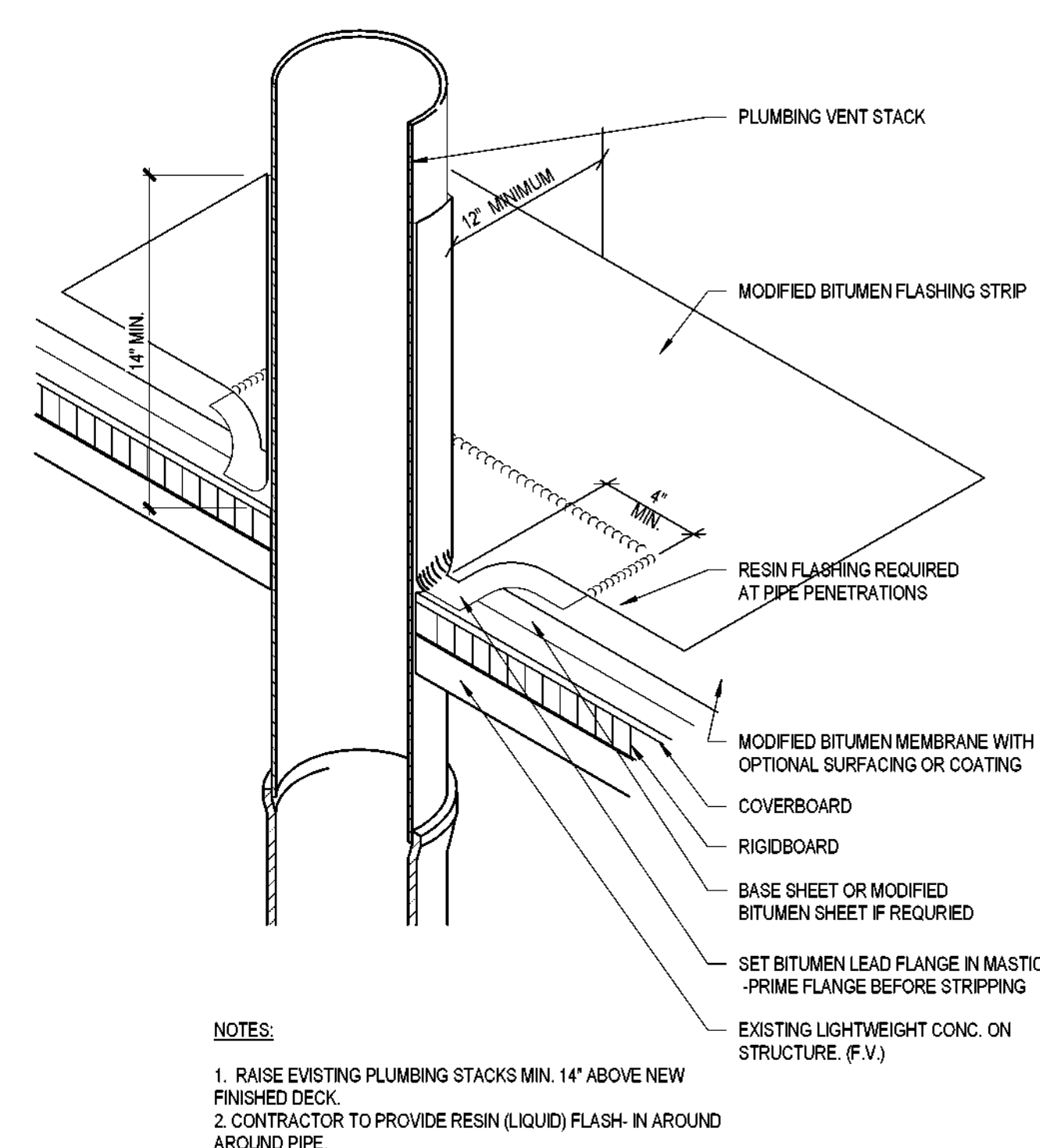
CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC INFRASTRUCTURE



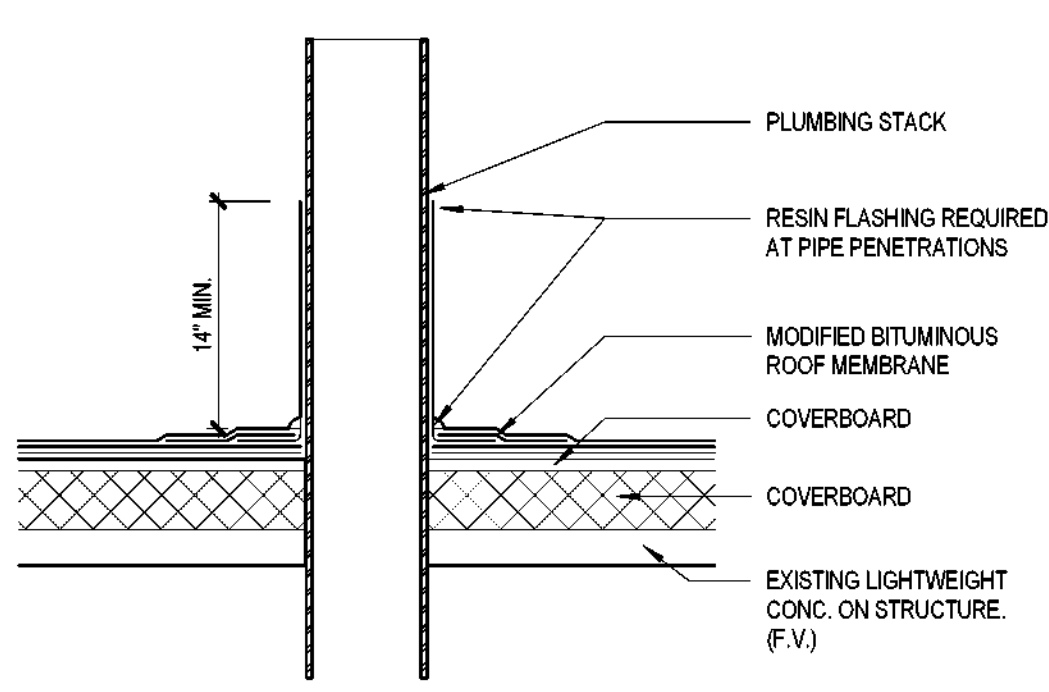
8 RAIL CURB - SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



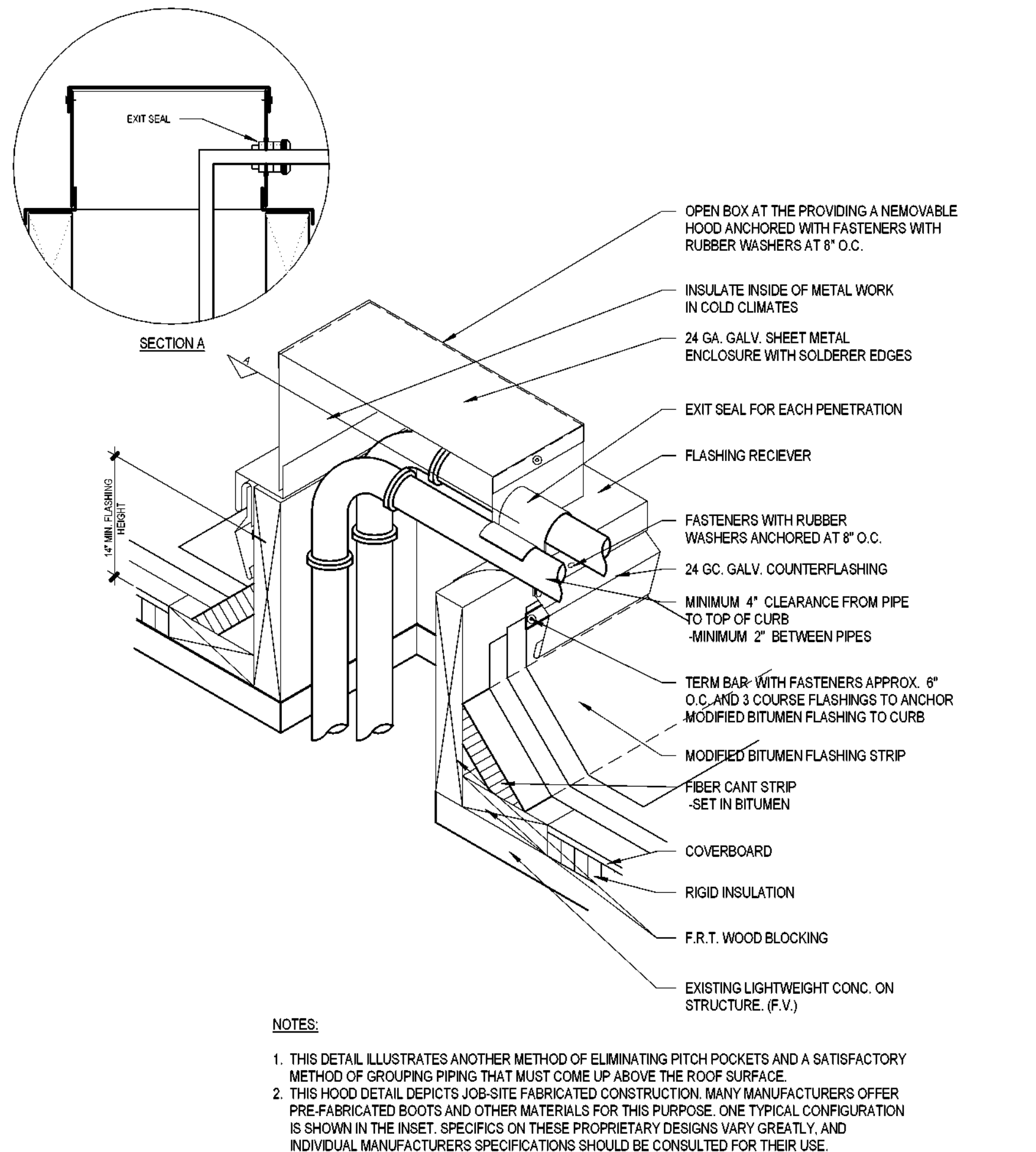
6 ROOF HATCH - SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



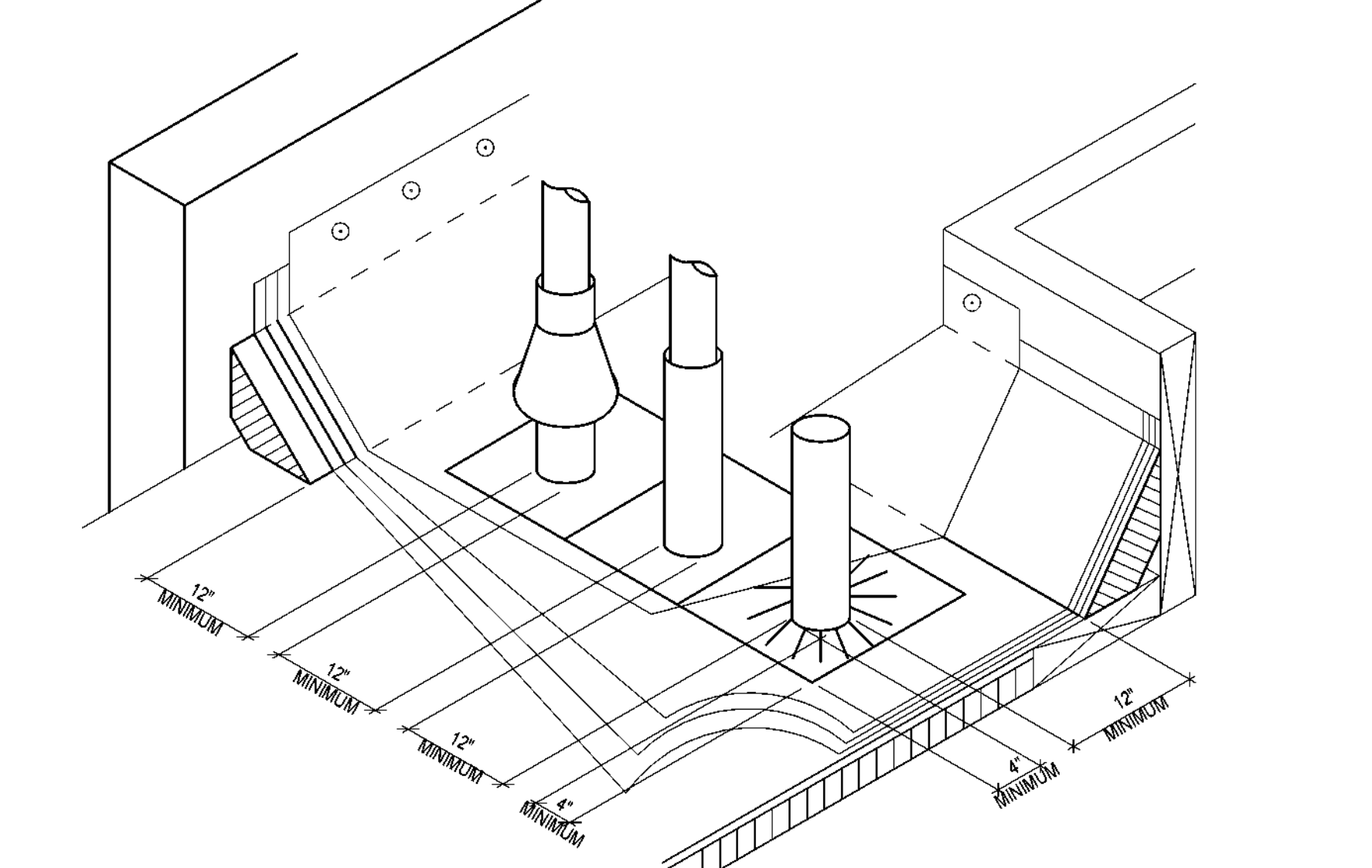
4 MODIFIED BITUMEN - PLUMBING VENT FLASHING AXON
SCALE: 3" = 1'-0"



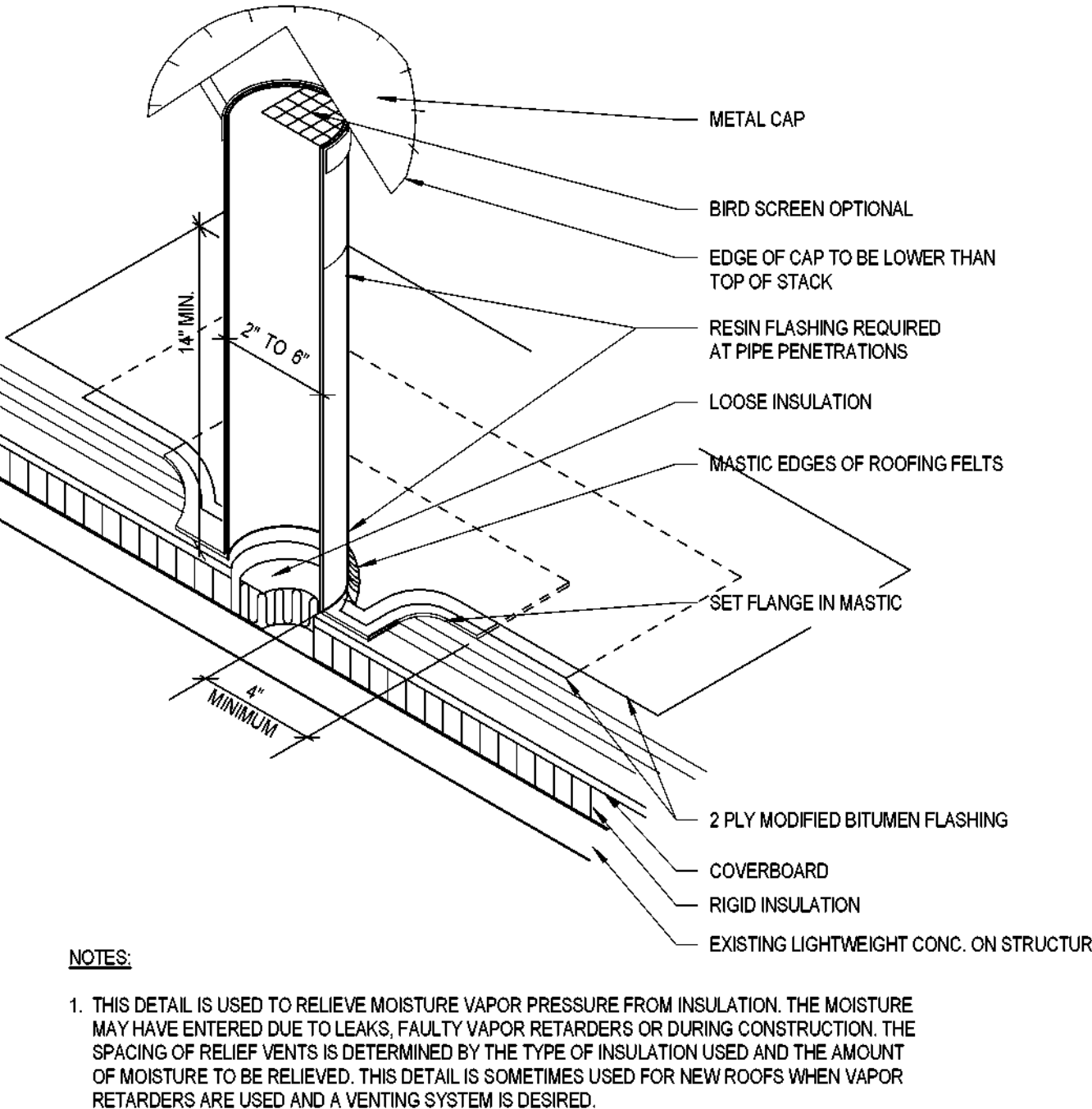
2 PLUMBING VENT
SCALE: 1 1/2" = 1'-0"



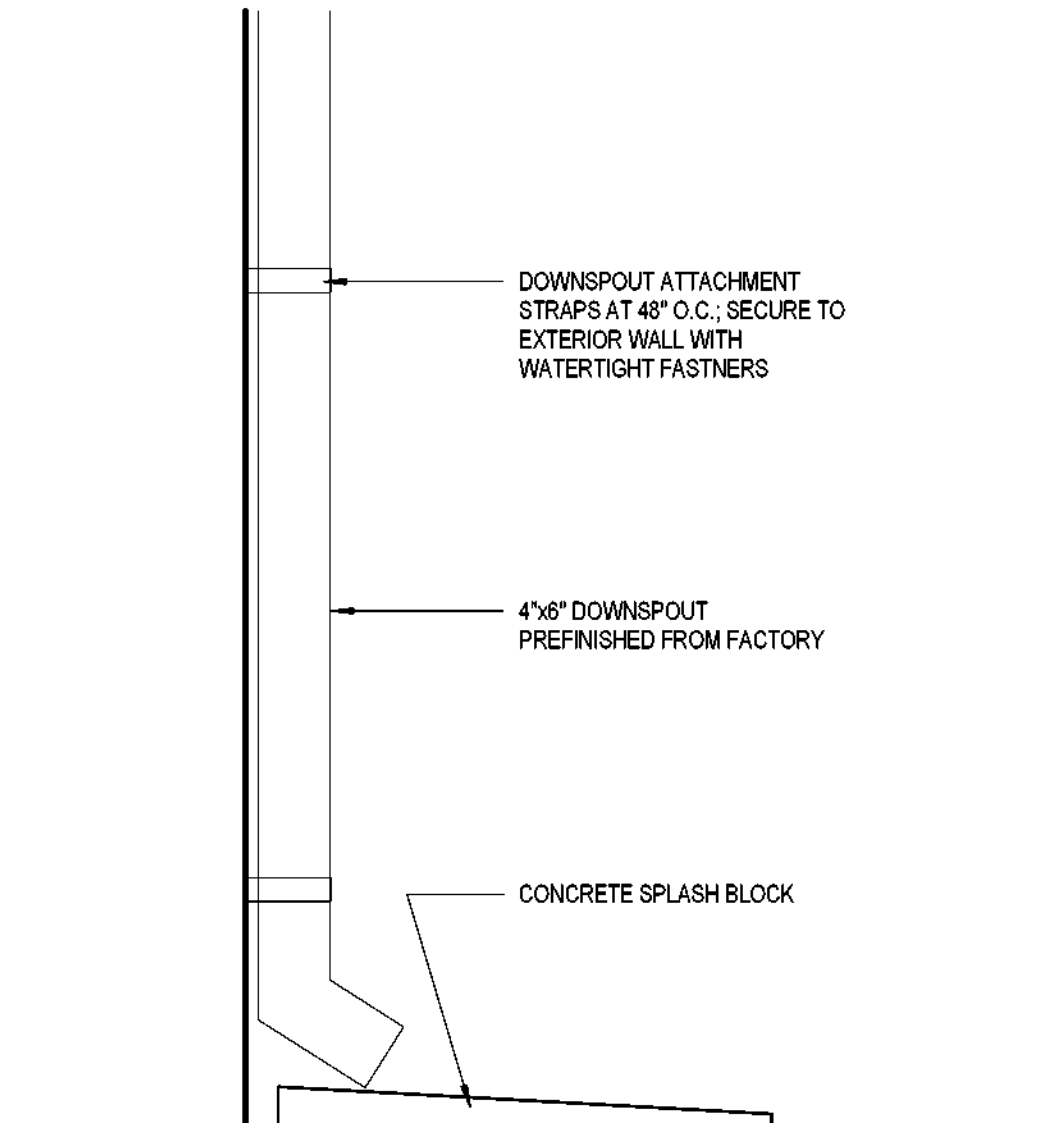
7 MODIFIED BITUMEN - PIPING THROUGH ROOF DECK AXON
SCALE: 3" = 1'-0"



5 ROOF - PIPE CLEARANCE MINIMUMS AXON1
SCALE: 3" = 1'-0"



3 ROOF - ROOF RELIEF VENT AXON
SCALE: 3" = 1'-0"



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

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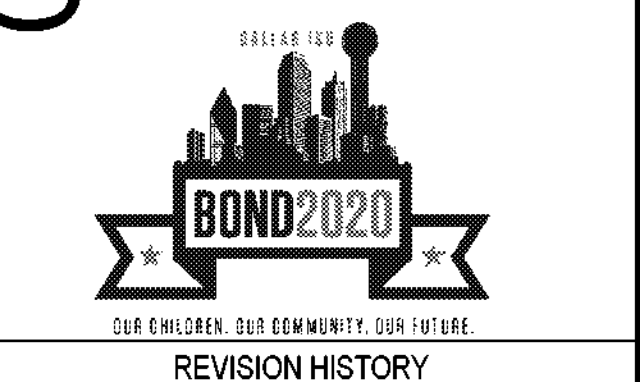
SECURITY & TECHNOLOGY MECHANICAL ENGINEERS
DataCom Design Group, LLC. CNG Engineering, PLLC
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Austin, TX 75209
214-478-6001 214-522-4861

PLUMBING ENGINEER ELECTRICAL ENGINEER
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1800 Main St. 1800 Main St.
Suite 123 Suite 123
Dallas, TX 75201 Dallas, TX 75201
214-522-3900 214-522-3900

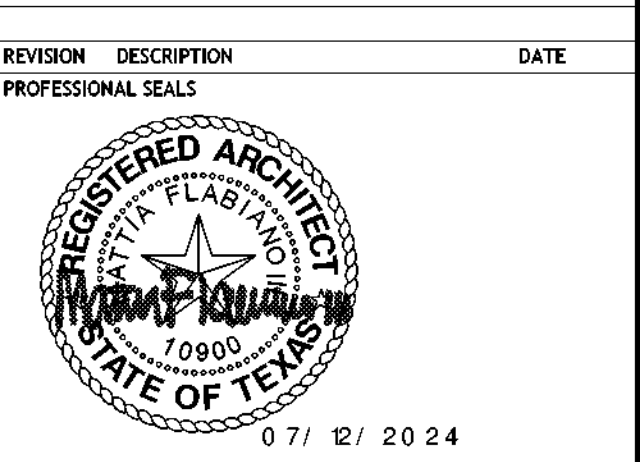
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200 W. 6th St.
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DALLAS INDEPENDENT SCHOOL DISTRICT

ORG049 Greiner Exploratory Arts Academy
501 S Edgeland Ave
Dallas, TX 75208



REVISION	DESCRIPTION	DATE



ARCHITECTURAL - RCP DETAILS

DRAWN BY: CS CHECKED BY: CH
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: DATE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

A-531
SHEET NUMBER

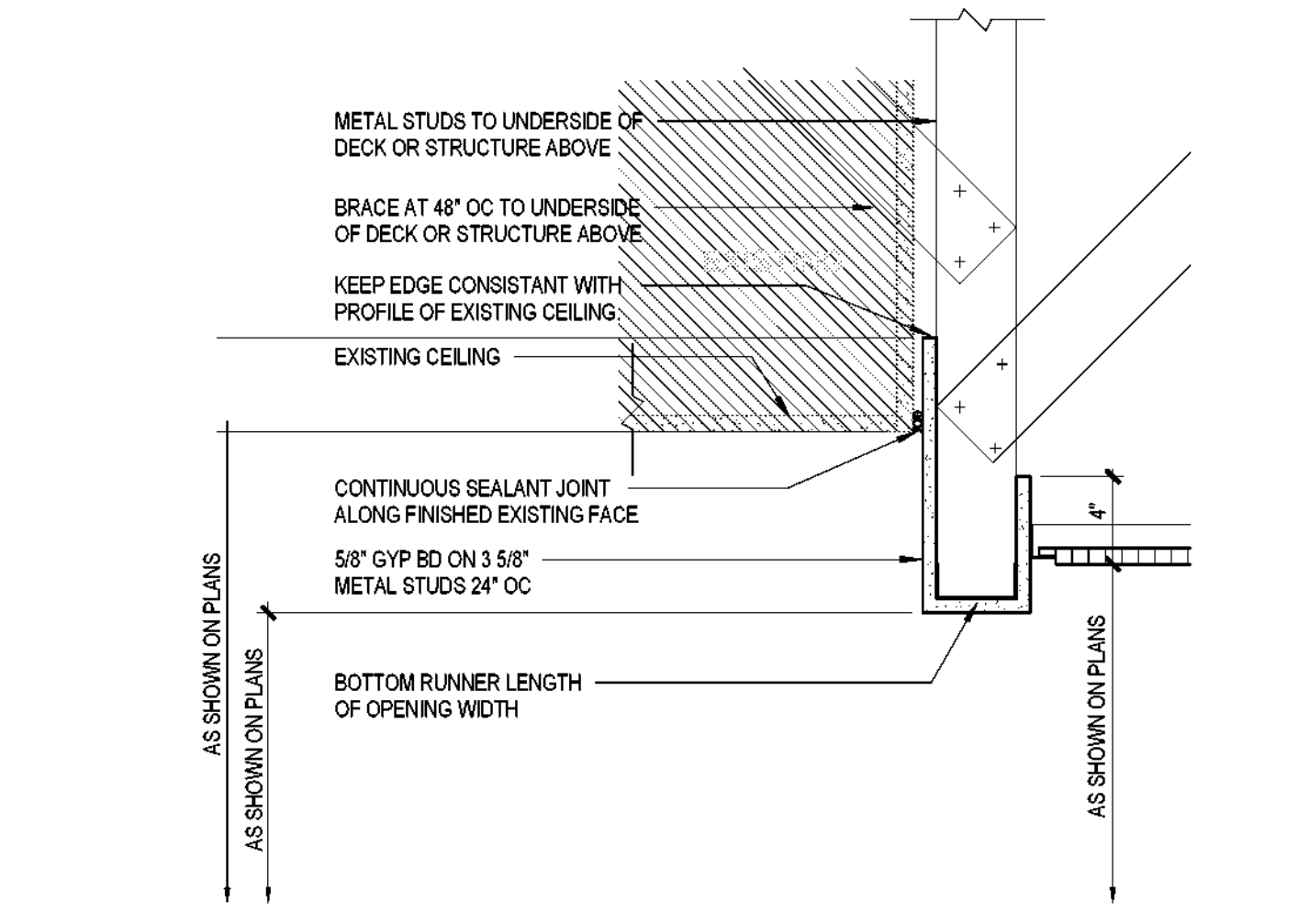
- FLOOR PLAN LEGEND**
1. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHT AND TYPE.
 2. SEE FLOOR PLANS FOR PARTITION TYPES AND PARTITION SCHEDULE FOR PARTITION CONSTRUCTION.
 3. SEE SPECIFICATIONS FOR METAL STUD AND GYP. BD. MATERIALS.
 4. ALL GYP BOARD EXPOSED CORNERS SHALL RECEIVE CORNER BEADS.

CITY OF DALLAS
APPROVAL STAMP FOR
PARTIAL IMPACT PLAN

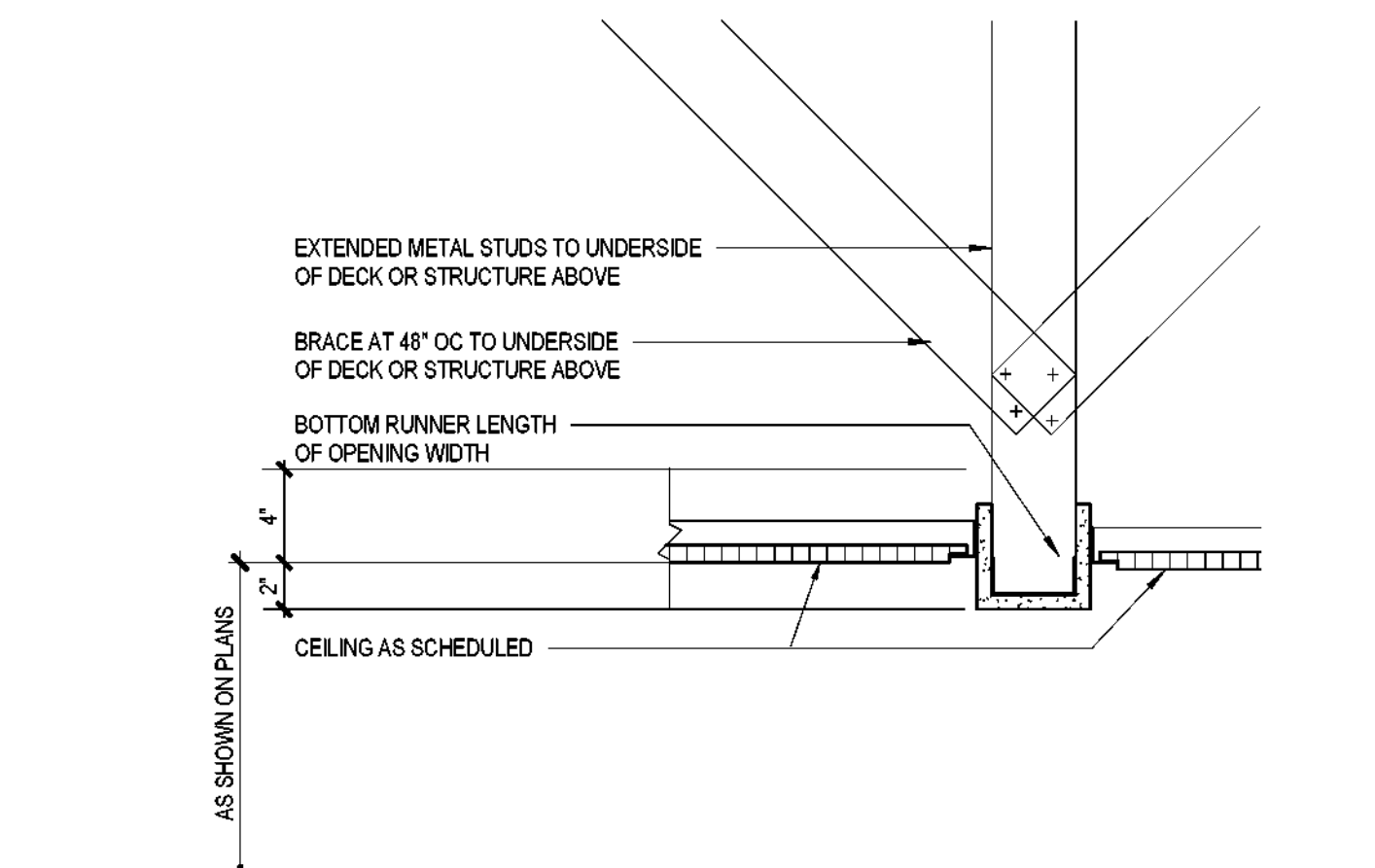
CITY OF DALLAS
APPROVAL STAMP FOR
PARTIAL IMPACT PLAN



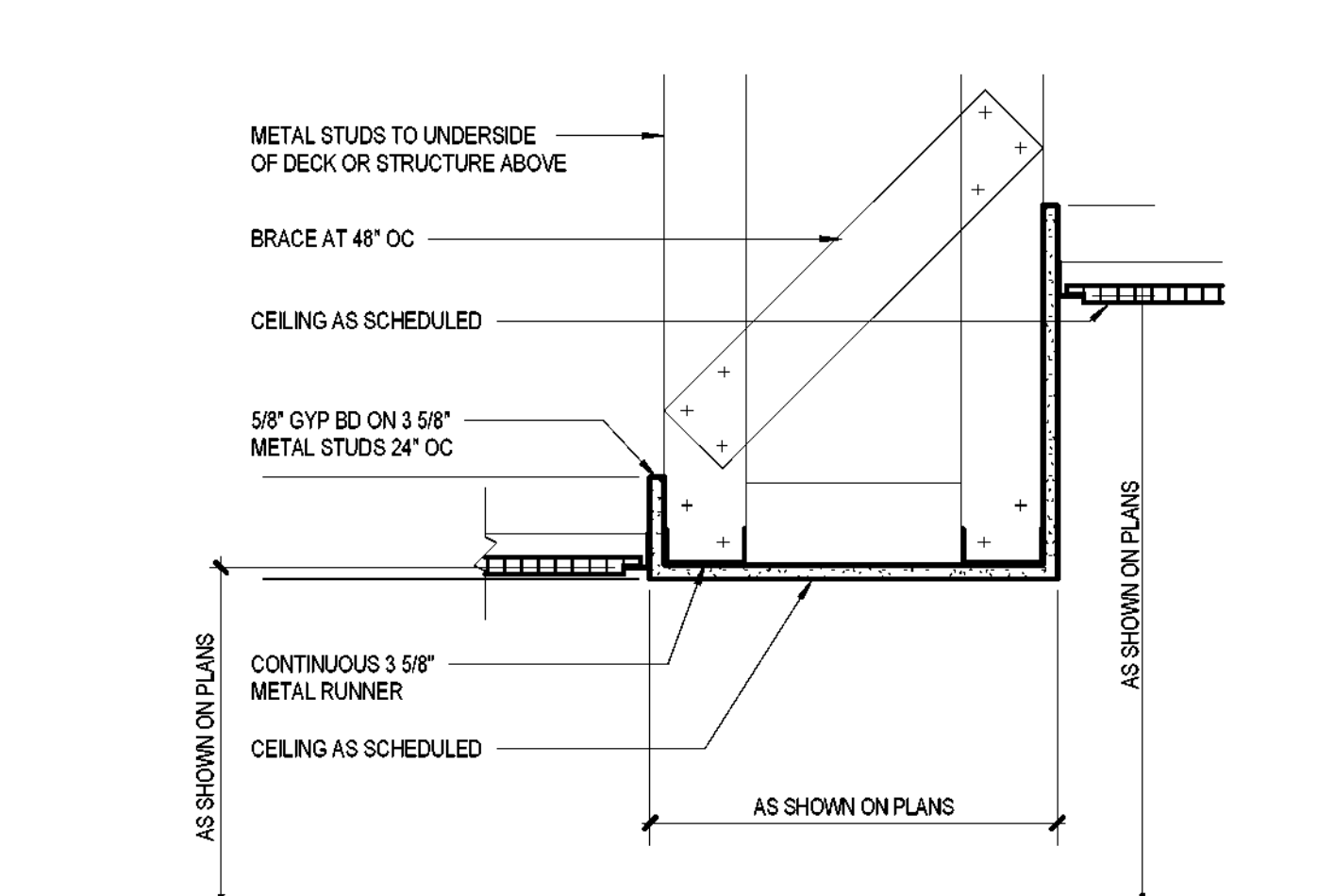
3 HEADER SECTION DETAIL
SCALE: 1/2" = 1'-0"



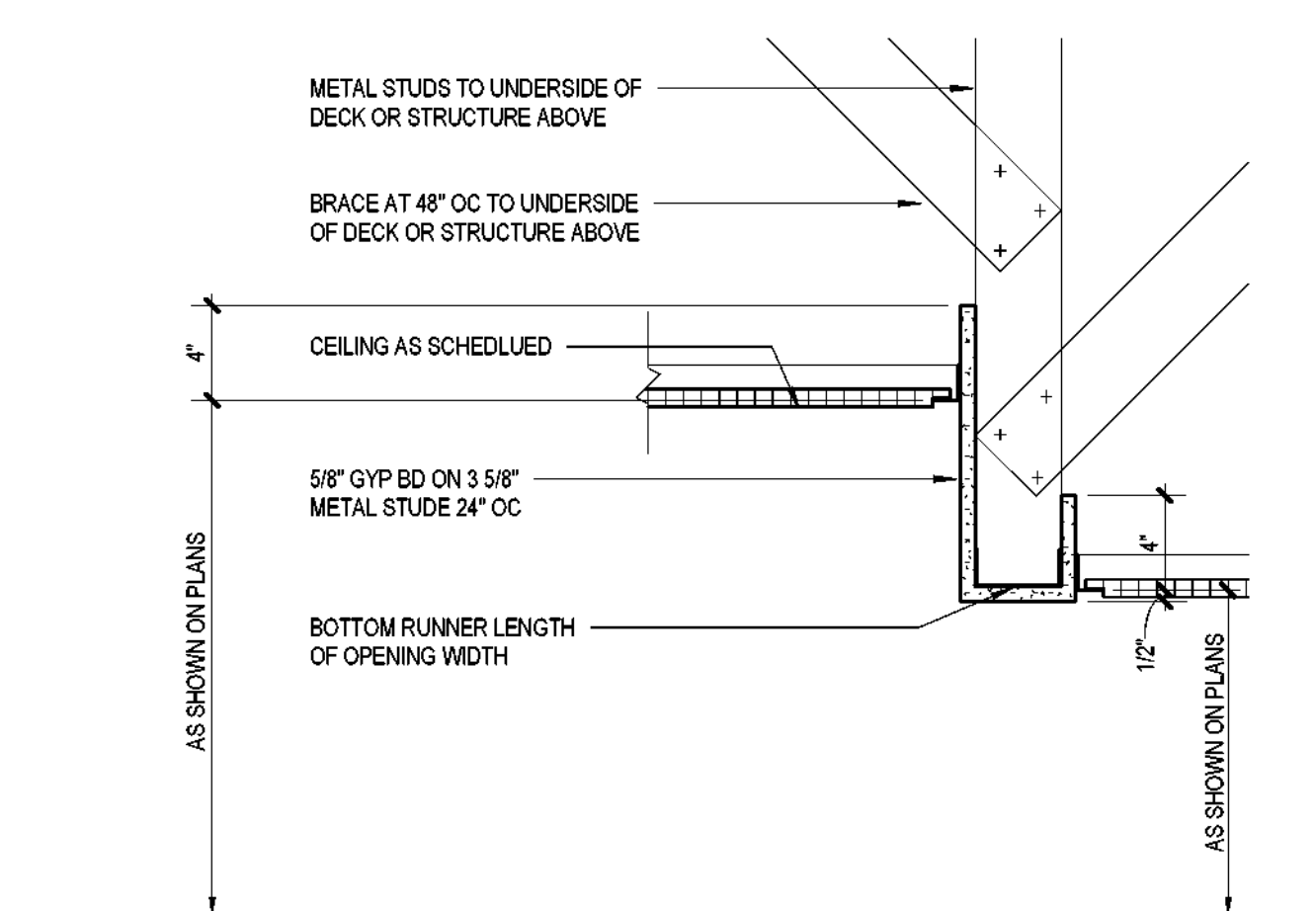
2 HEADER SECTION DETAIL
SCALE: 1/2" = 1'-0"



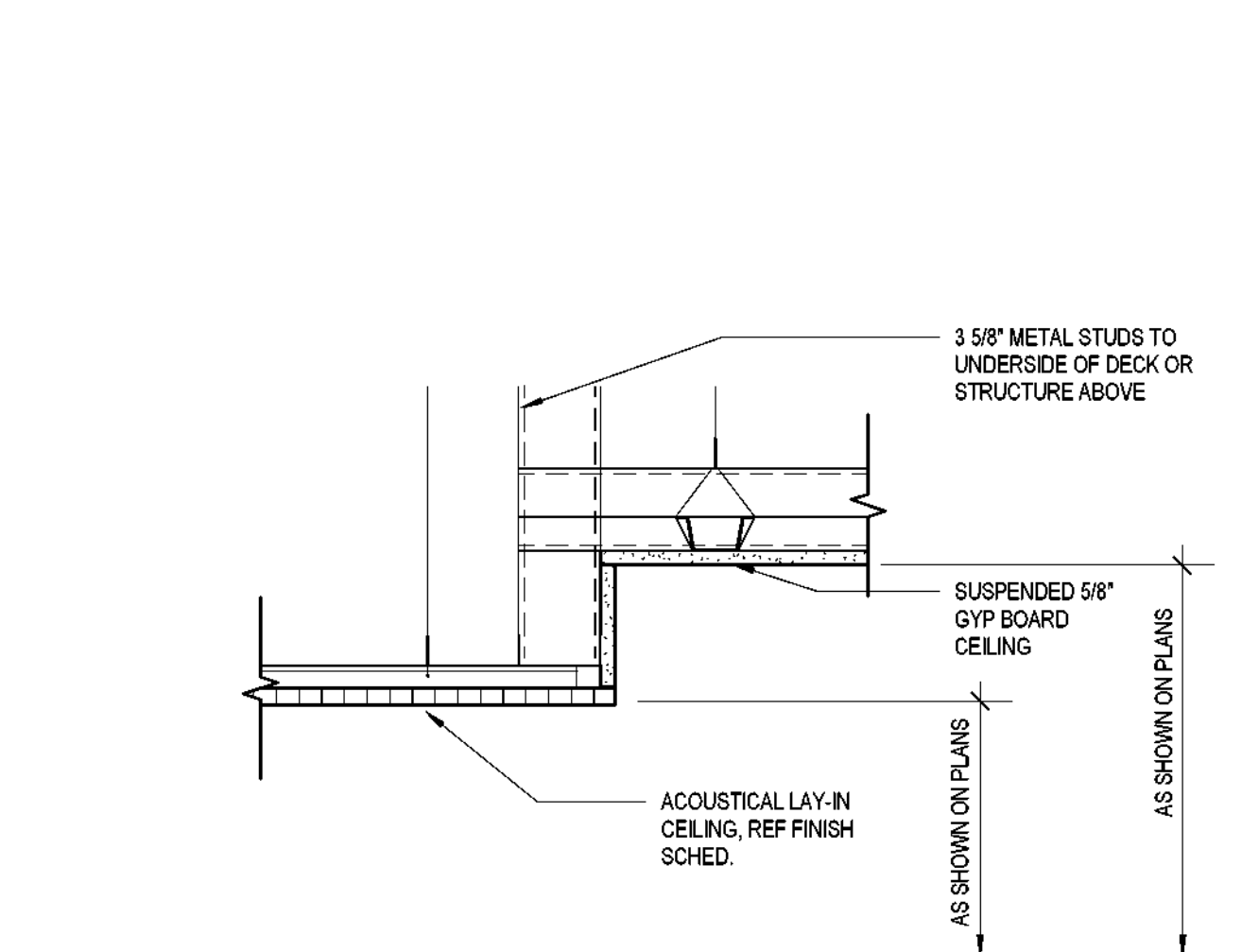
5 HEADER SECTION DETAIL
SCALE: 1/2" = 1'-0"



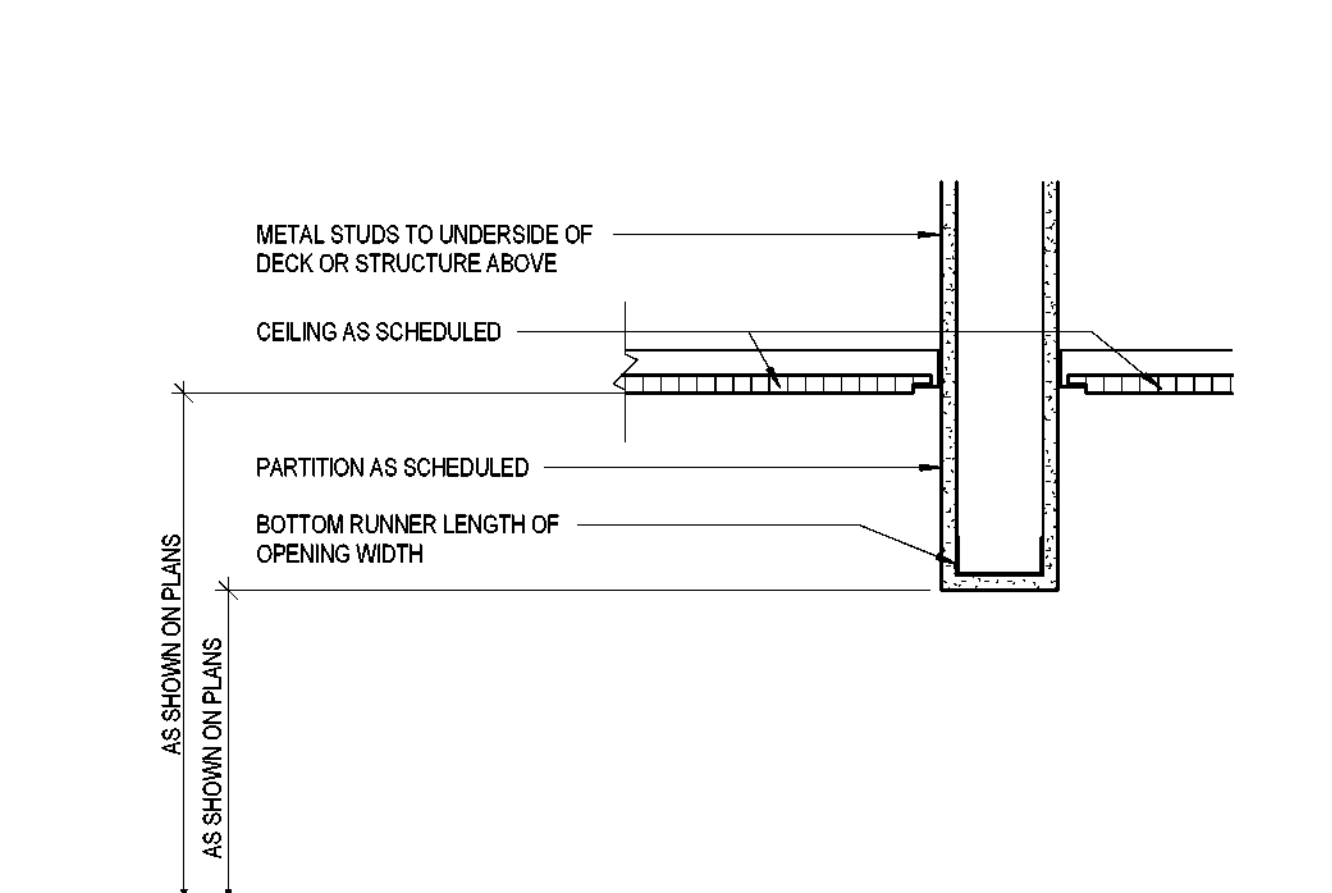
6 CEILING TRANSITION DETAIL
SCALE: 1/2" = 1'-0"



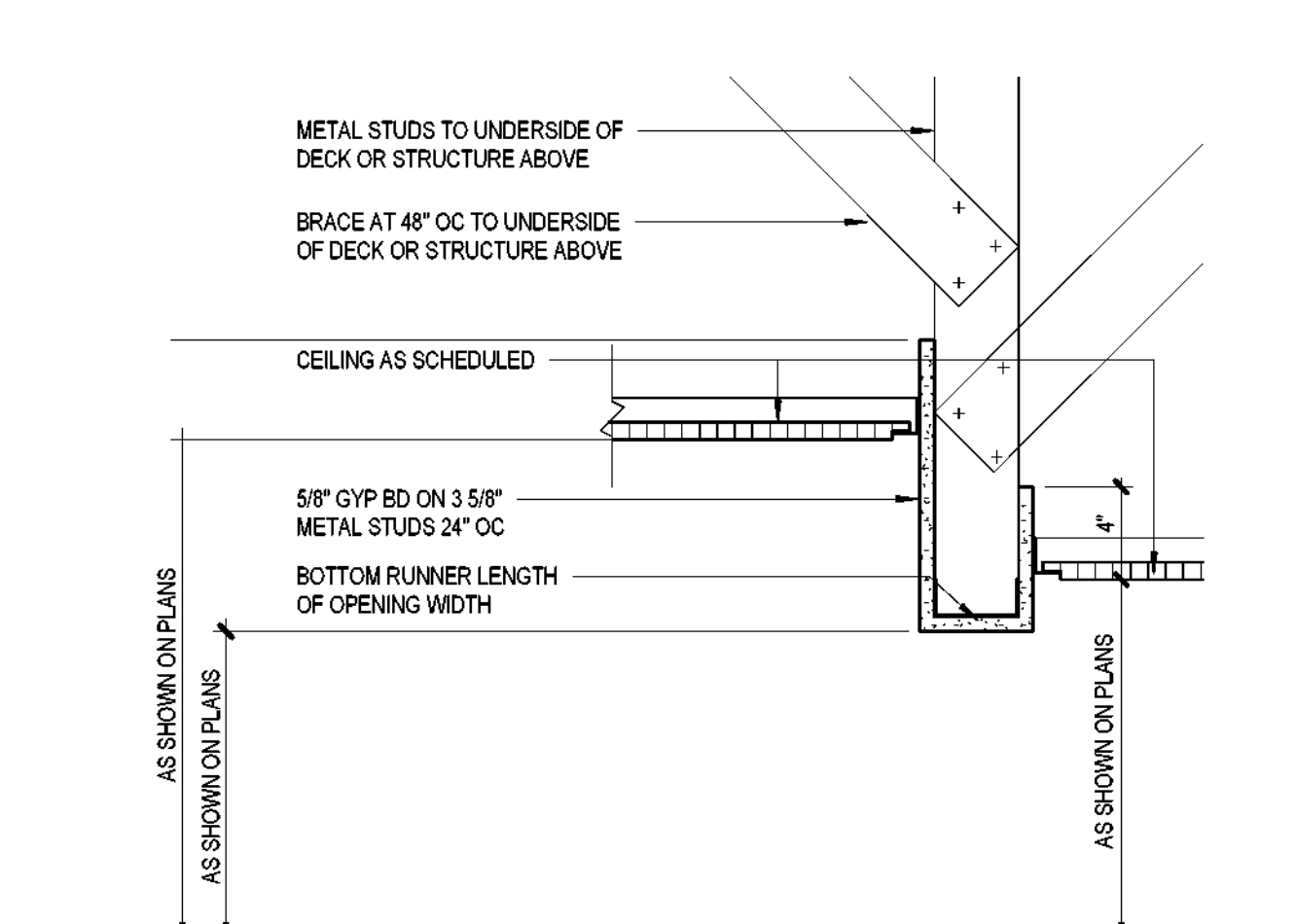
7 DROP HEADER SECTION DETAIL
SCALE: 1/2" = 1'-0"



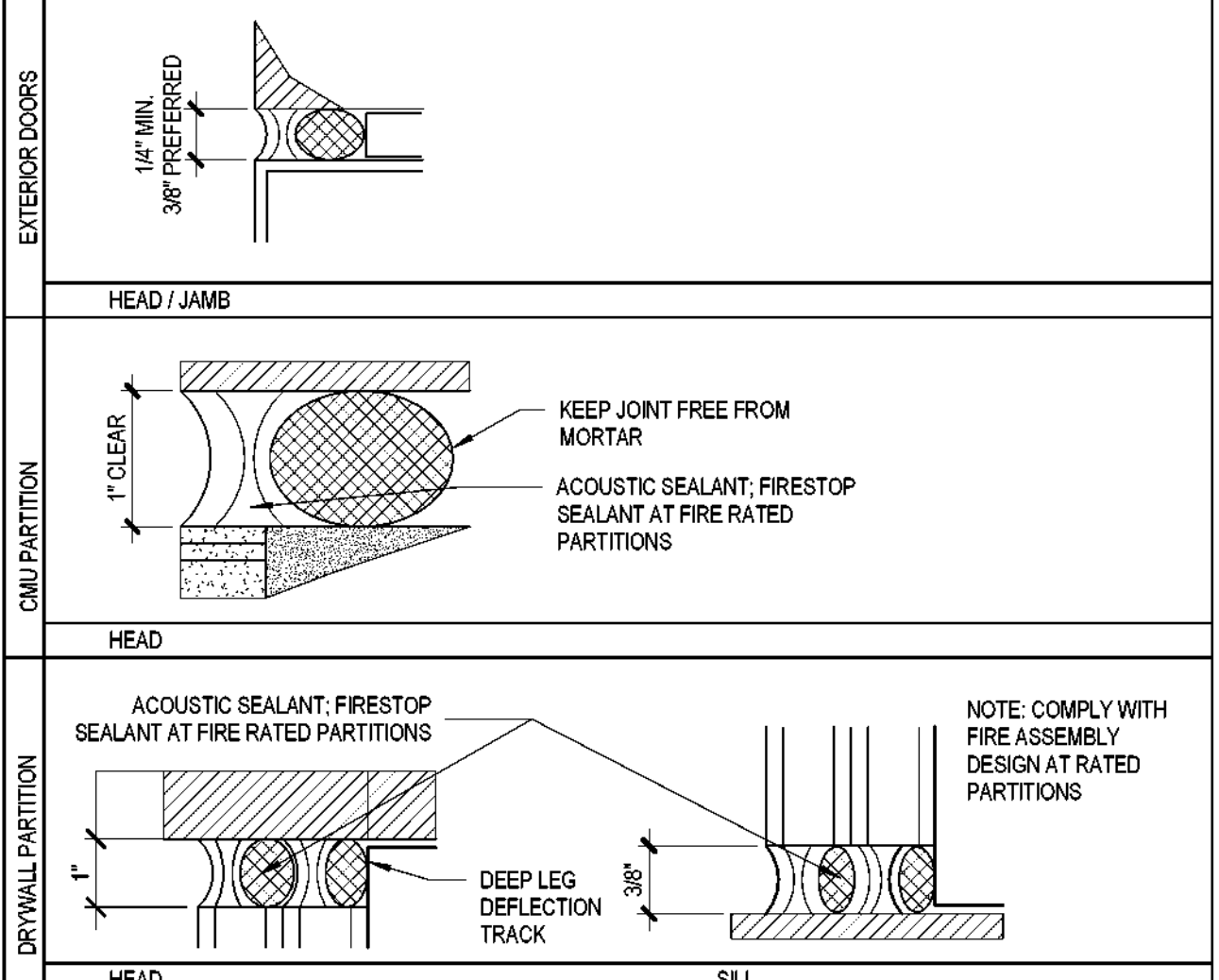
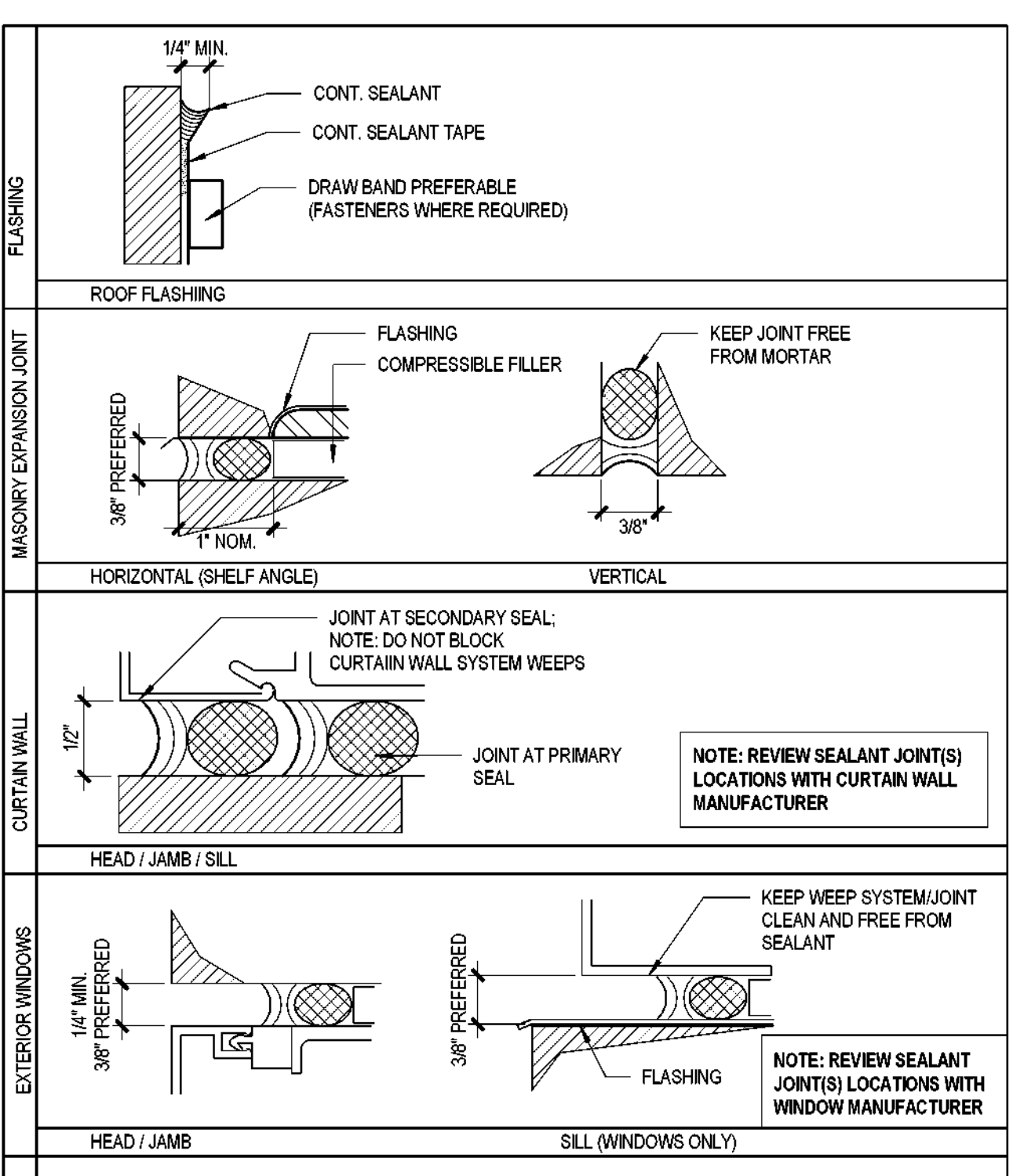
4 HEADER SECTION DETAIL
SCALE: 1/2" = 1'-0"



1 FURR DOWN SECTION DETAIL
SCALE: 1/2" = 1'-0"



8 ARCHITECTURAL FIRE SPRINKLER CRITERIA
SCALE: 1/8" = 1'-0"



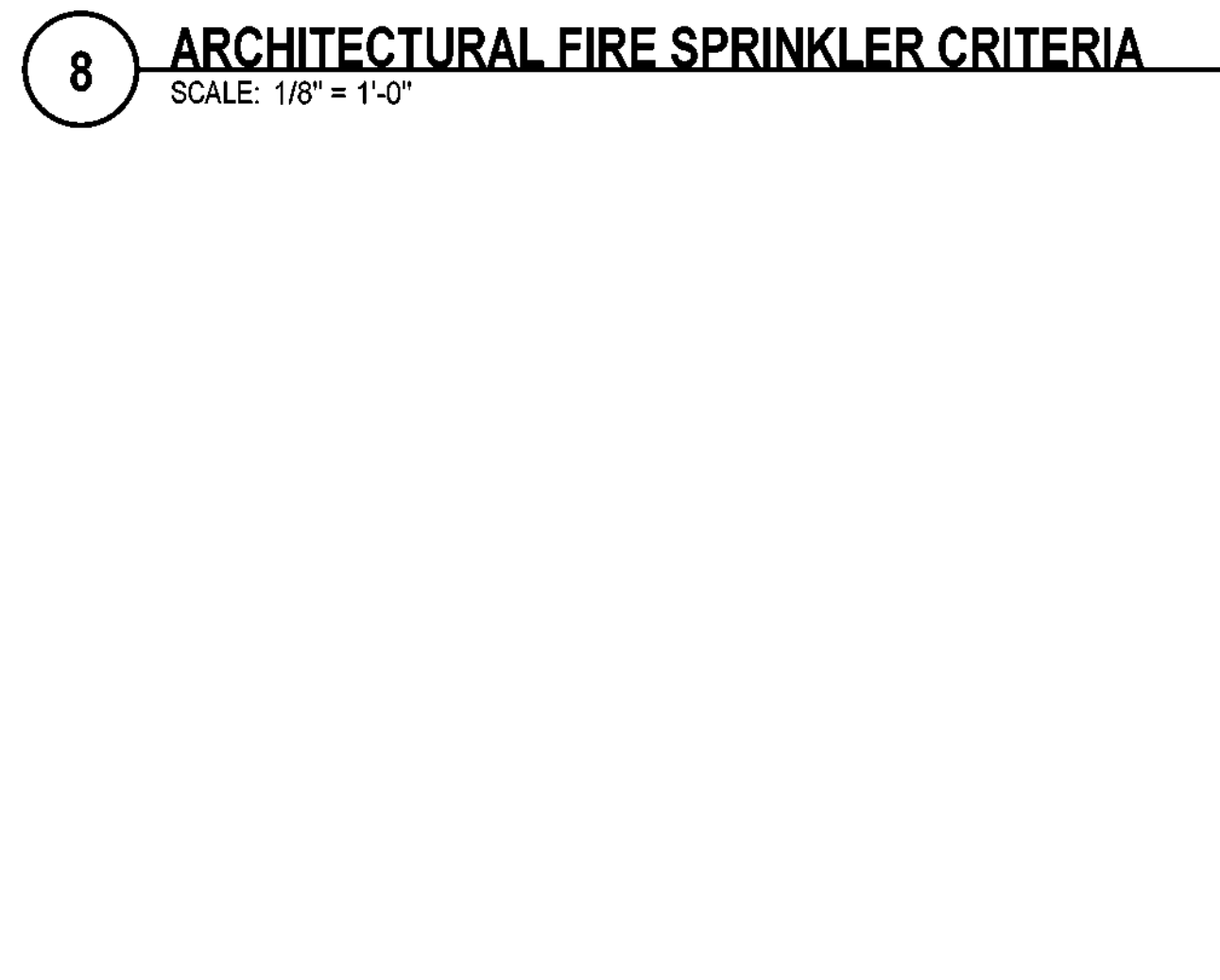
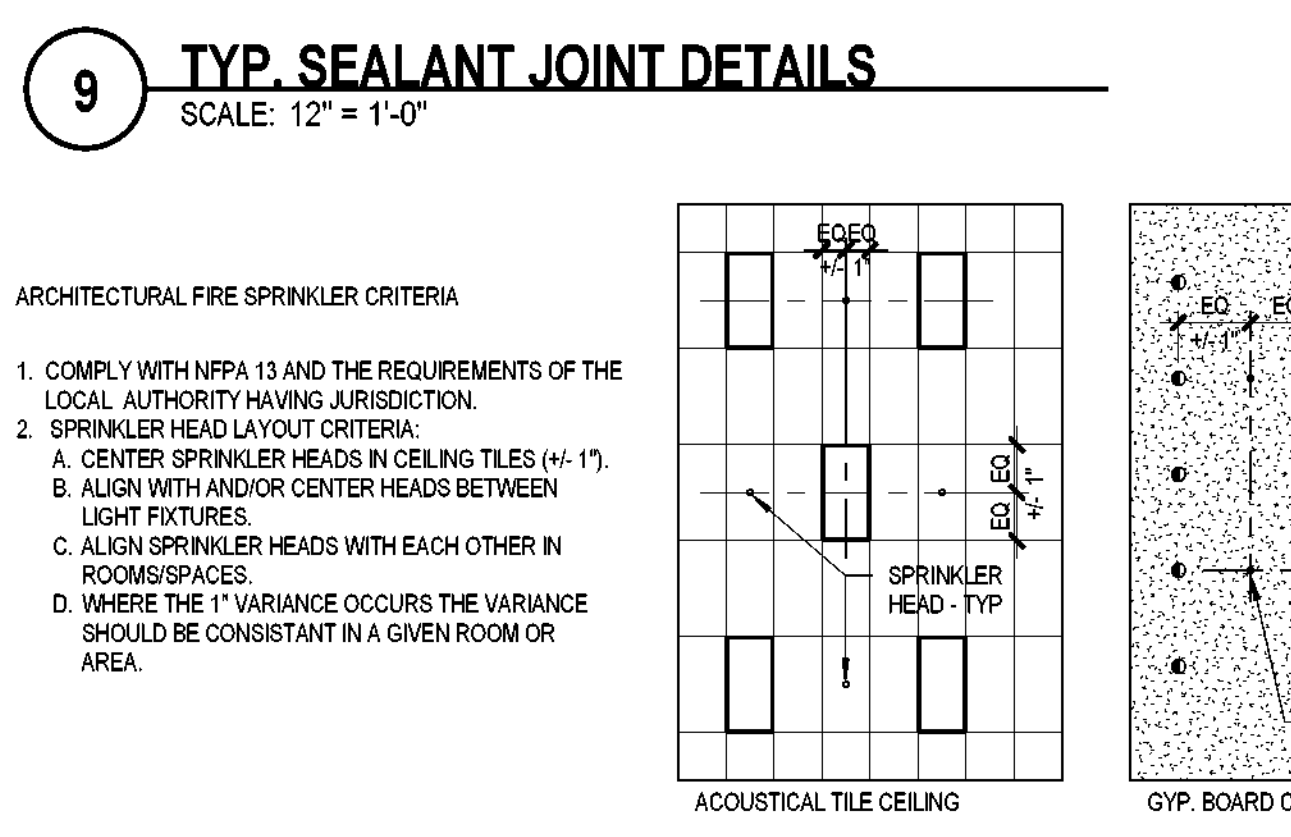
SEALANT: CONCAVE FACE ON OUTSIDE, HOURGLASS SHAPE PREFERABLE
PRIMER AS IF REQUIRED
BACKER ROD: USE BOND BREAKER TAPE IF JOINT IS TOO SHALLOW FOR BACKER ROD

TYPICAL SEALANT JOINT

JOINT WIDTH TO DEPTH CHART

JOINT WIDTH	DEPTH W/ POLYURETHANE SEALANT	DEPTH W/ SILICONE SEALANT
1/4" (MIN)	1/4"	1/4"
3/8"	3/8"	1/4" - 3/8"
1/2" - 2"	1/2"	3/8" - 1/2"

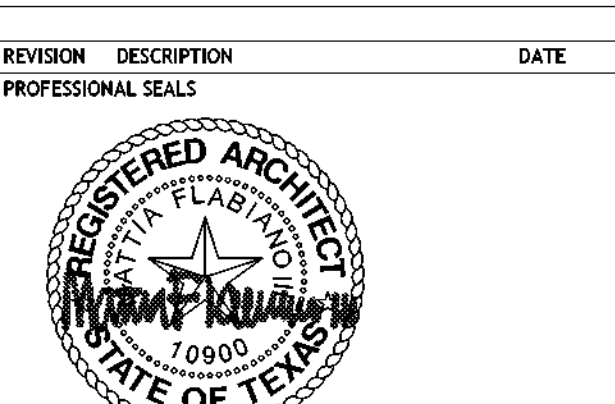
NOTES:
1. JOINTS TYPICALLY OCCUR ON BOTH SIDES OF SYSTEMS.
2. REVIEW ALL JOINTS LARGER THAN 1/2" WITH ARCHITECT.
3. MAXIMUM JOINT SIZE 2".



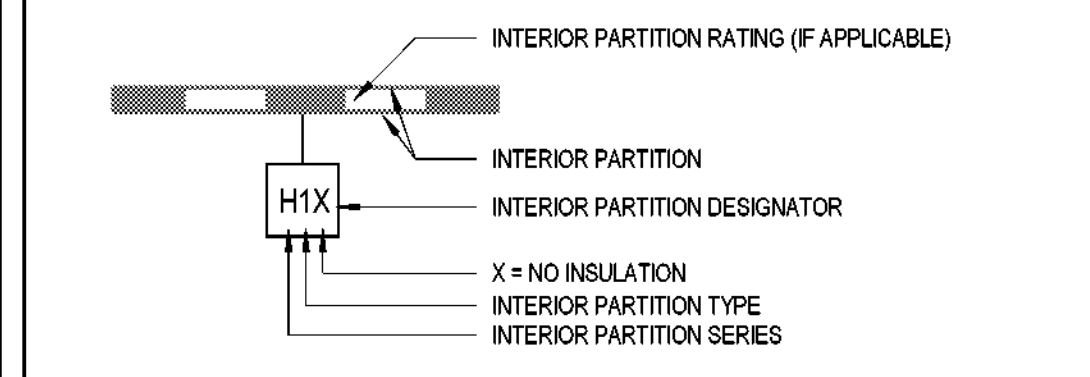
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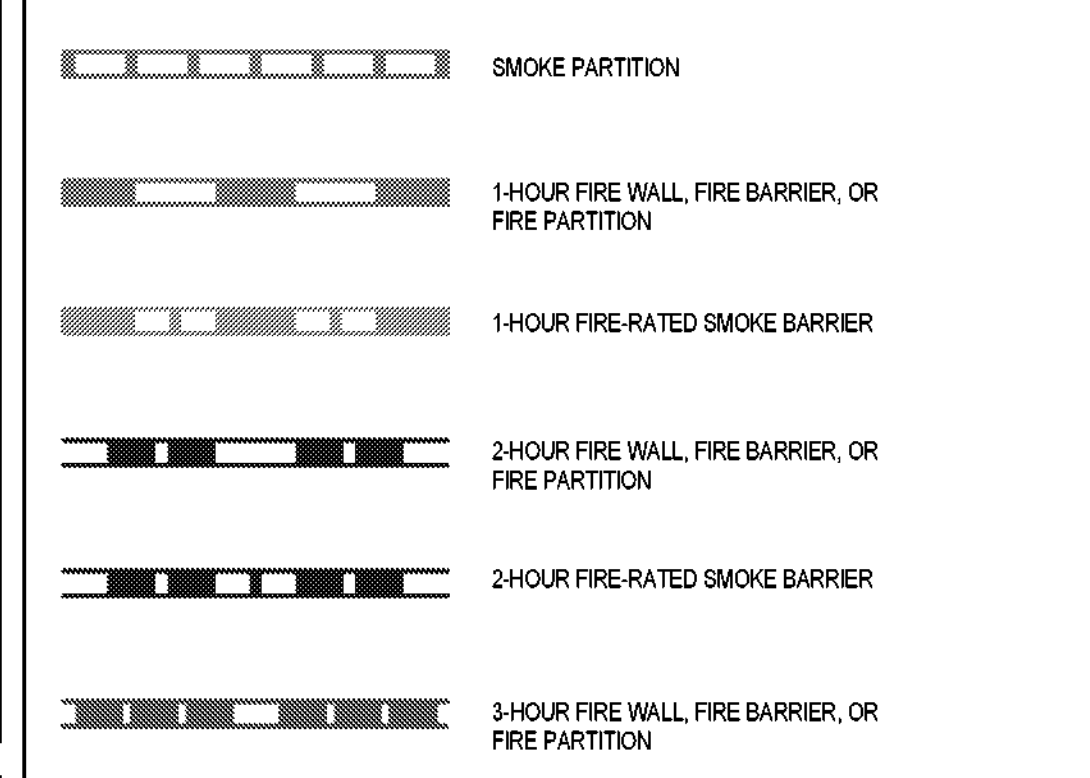
Table with 3 columns: REVISION, DESCRIPTION, DATE



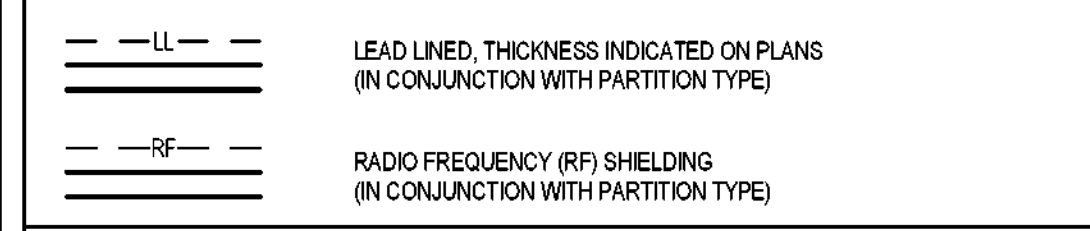
INTERIOR GRAPHIC LEGEND



PARTITION GRAPHIC LEGEND



SPECIAL GRAPHIC LEGEND



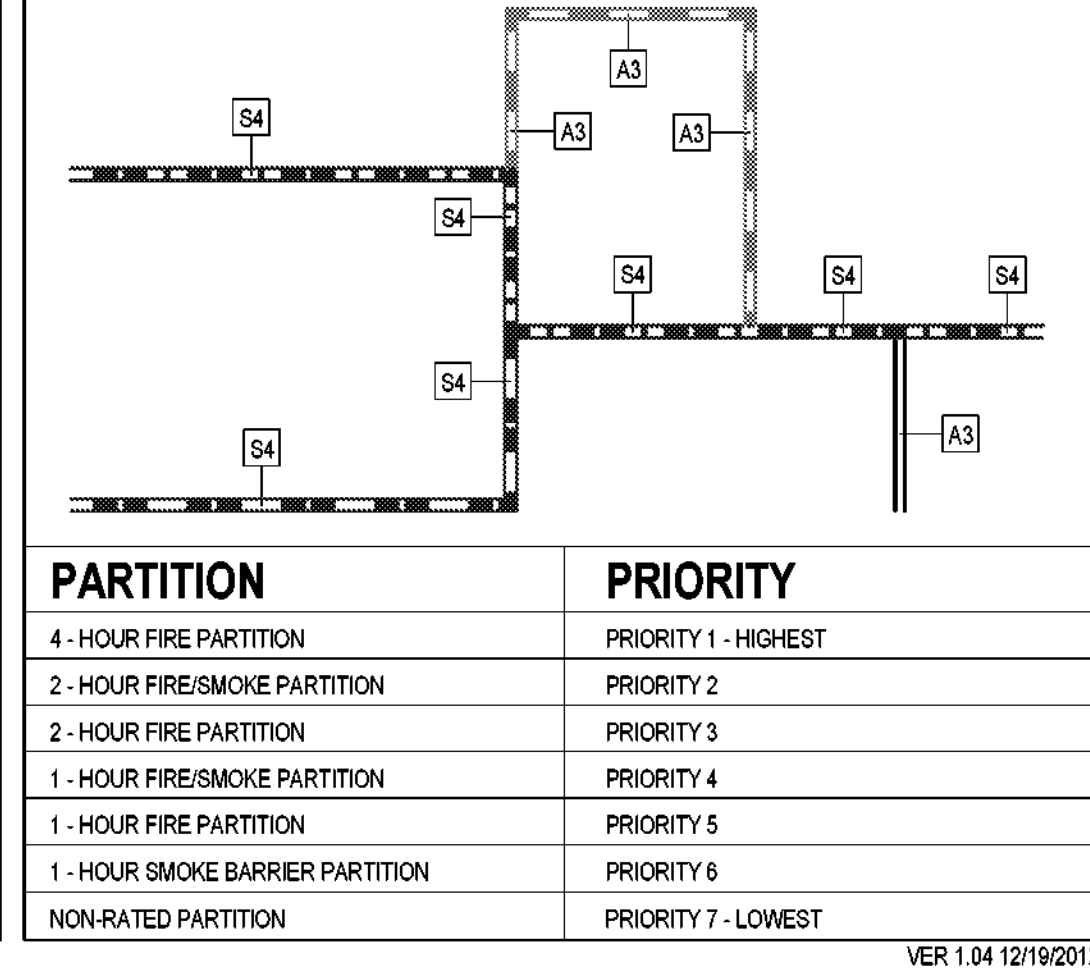
PARTITION NOTES

- 1. THE LOCATIONS OF FIRE, SMOKE, OR FIRE/SMOKE PARTITIONS ARE INDICATED ON THE FLOOR PLANS BY LINE SYMBOLS... 2. ALL NEW INTERIOR PARTITIONS SHOWN ON THE FLOOR PLANS ARE TYPE 'A3', UNLESS NOTED OTHERWISE...

REFERENCES

- 1. SSMA - STEEL STUD MANUFACTURERS ASSOCIATION, "2015 SSMA Product Technical Guide." 2. SFA - STEEL FRAMING INDUSTRY ASSOCIATION, "2015 TECHNICAL GUIDE FOR COLD-FORMED STEEL FRAMING."

PARTITION PRIORITY LEGEND



'D' SERIES

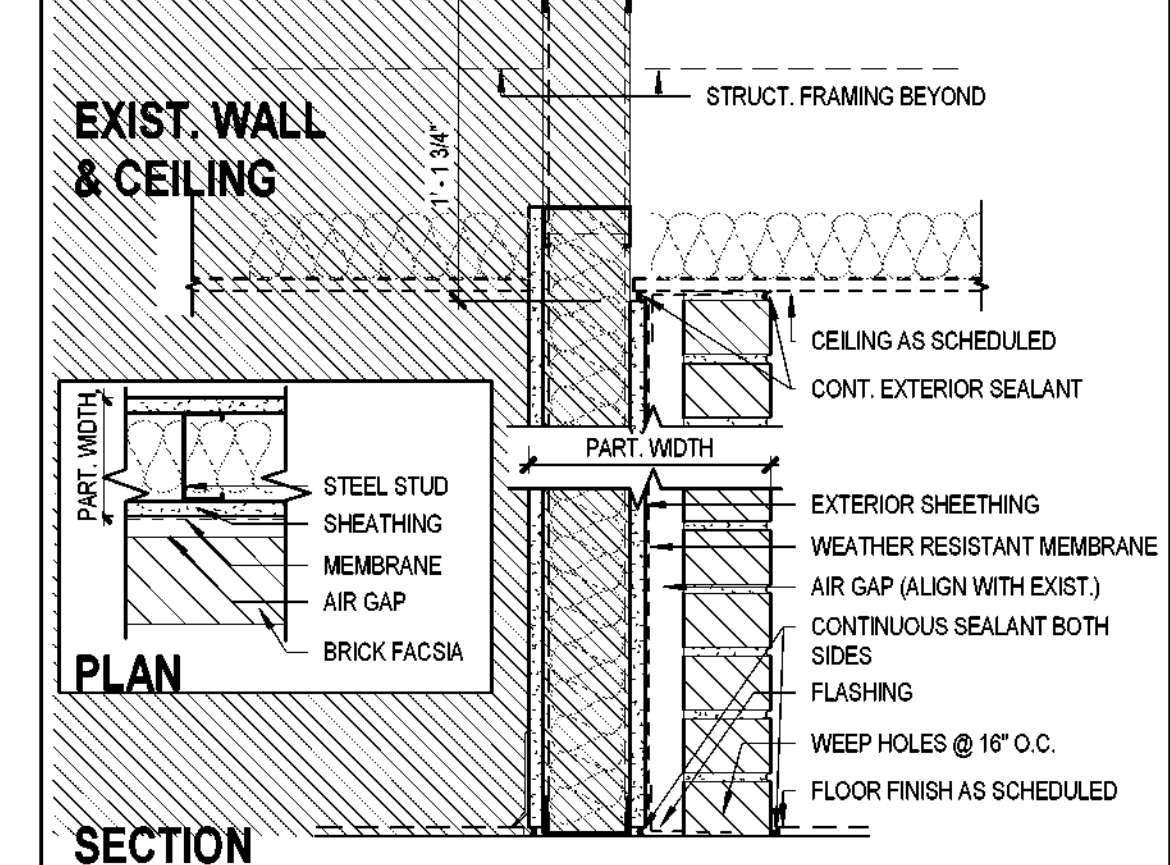


Table for 'D' series partitions with columns: TYPE, STUD, PART. WIDTH, MAX. HEIGHT, DESIGN NO., DESIGN STC, EST STC W/O INSUL.

'C' SERIES

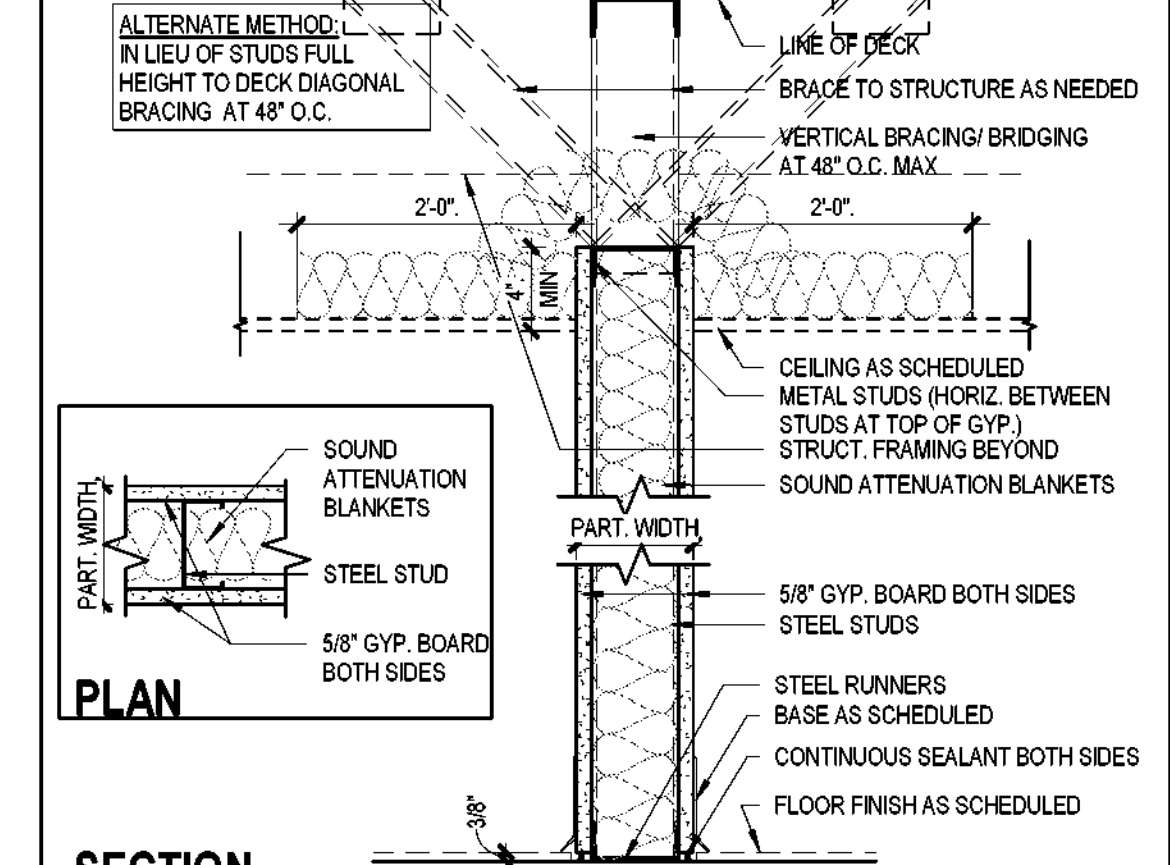


Table for 'C' series partitions with columns: TYPE, STUD, PART. WIDTH, MAX. HEIGHT, DESIGN NO., DESIGN STC, EST STC W/O INSUL.

'B' SERIES

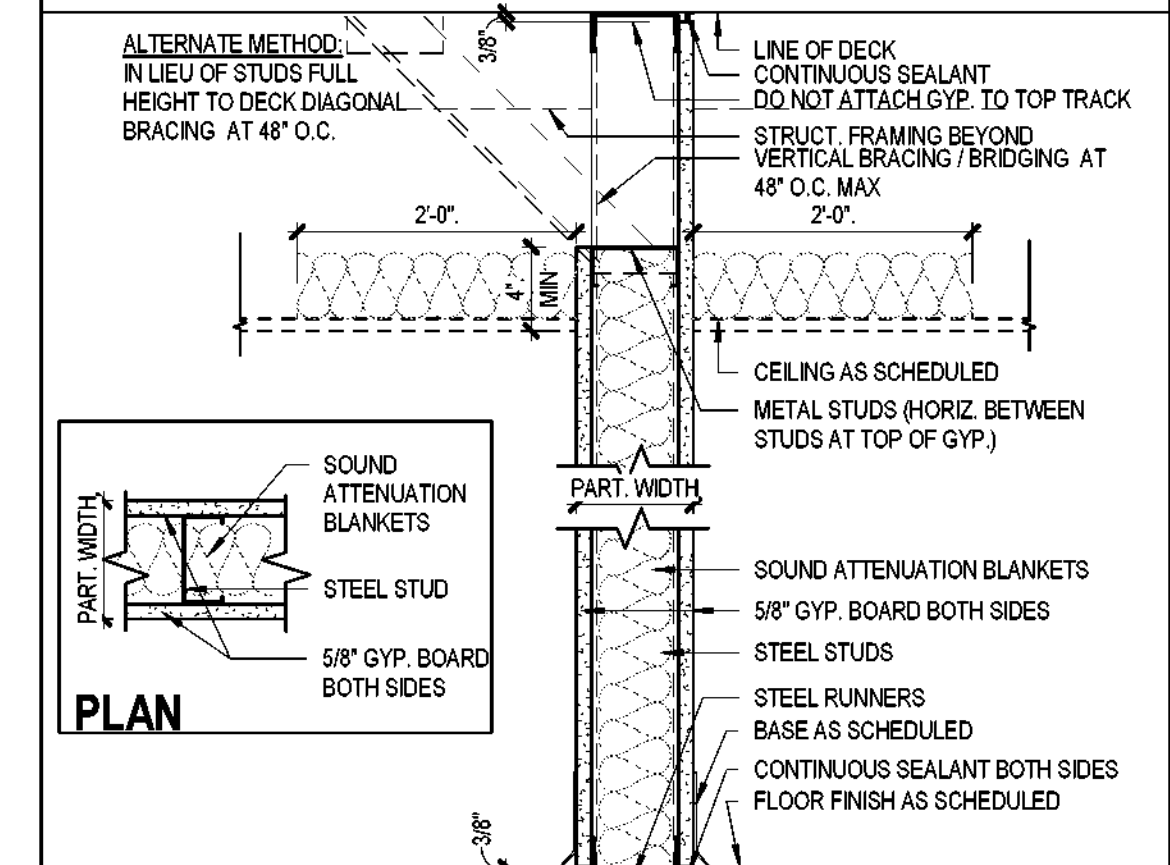


Table for 'B' series partitions with columns: TYPE, STUD, PART. WIDTH, MAX. HEIGHT, DESIGN NO., DESIGN STC, EST STC W/O INSUL.

'A' SERIES

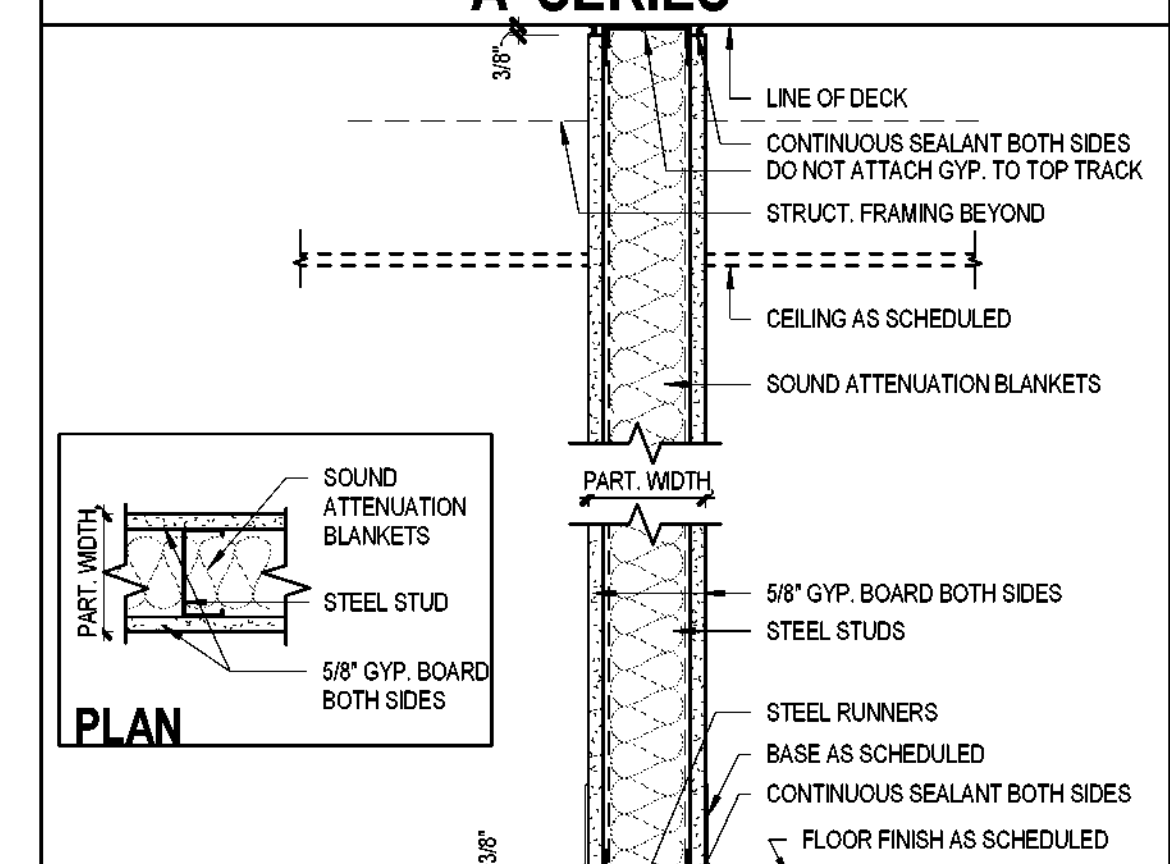


Table for 'A' series partitions with columns: TYPE, STUD, PART. WIDTH, MAX. HEIGHT, DESIGN NO., DESIGN STC, EST STC W/O INSUL.

'G' SERIES

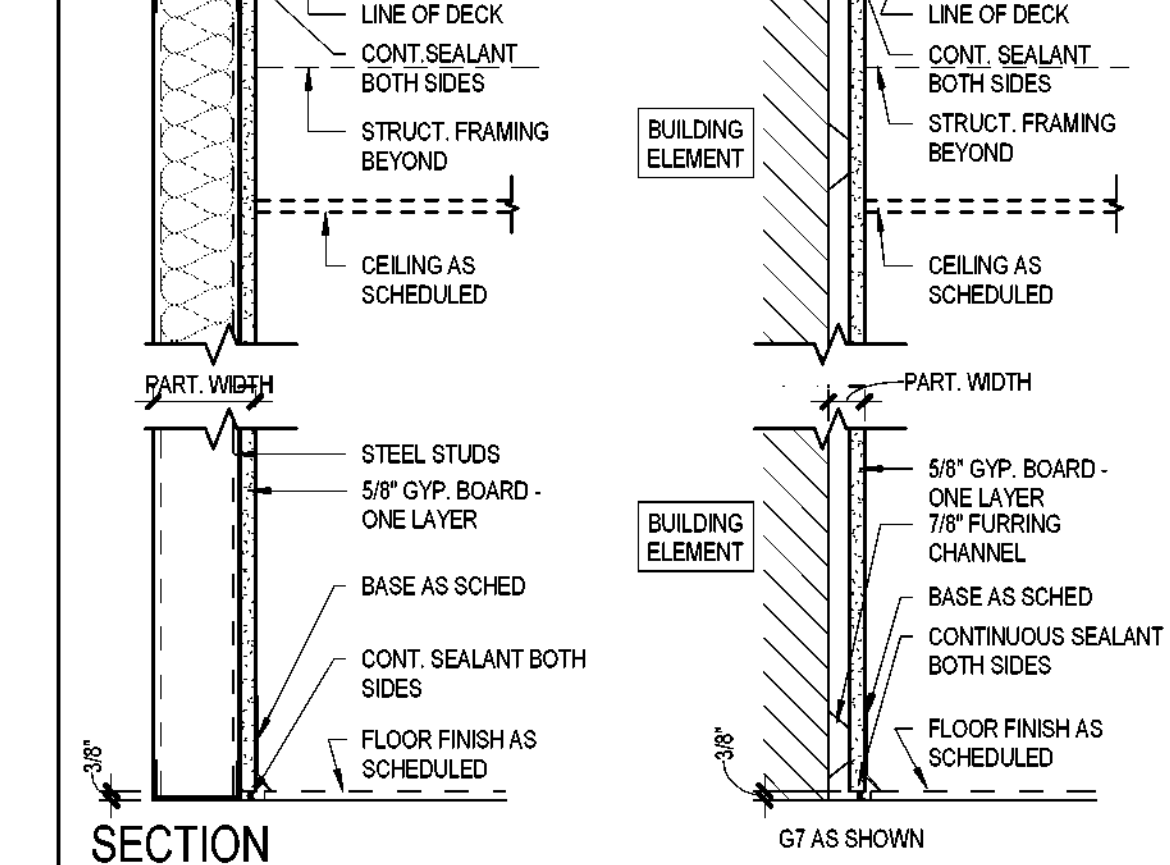


Table for 'G' series partitions with columns: TYPE, STUD, PART. WIDTH, MAX. HEIGHT, DESIGN NO., DESIGN STC, EST STC W/O INSUL.

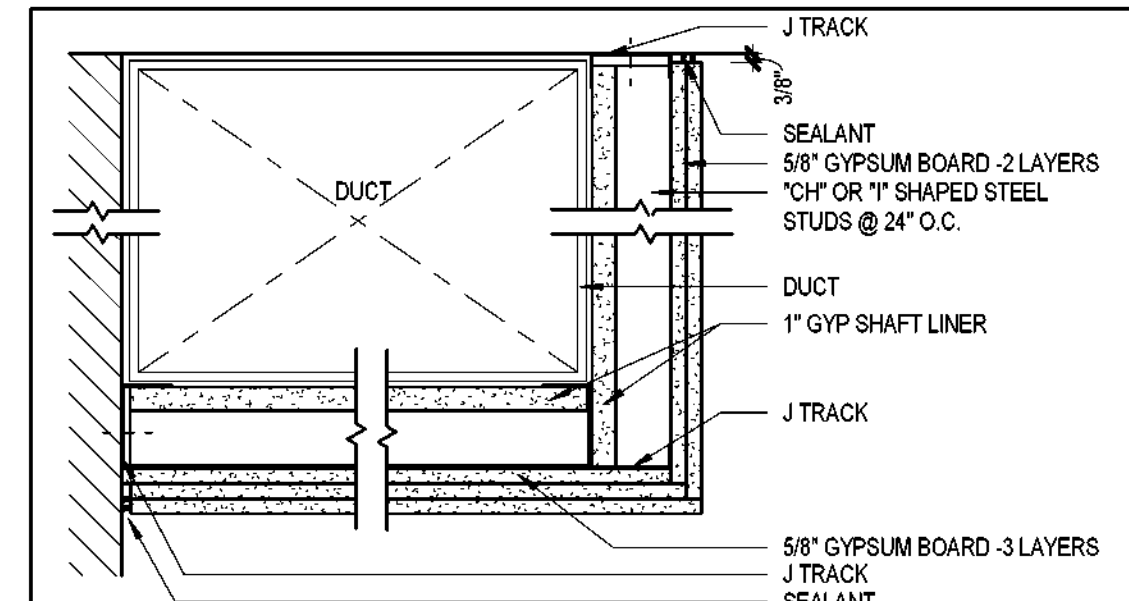


Table for 2-hour horizontal duct protection with columns: TYPE, STUD, MAX. SPAN, DESIGN NO.

2-HOUR HORIZ. DUCT PROTECTION

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

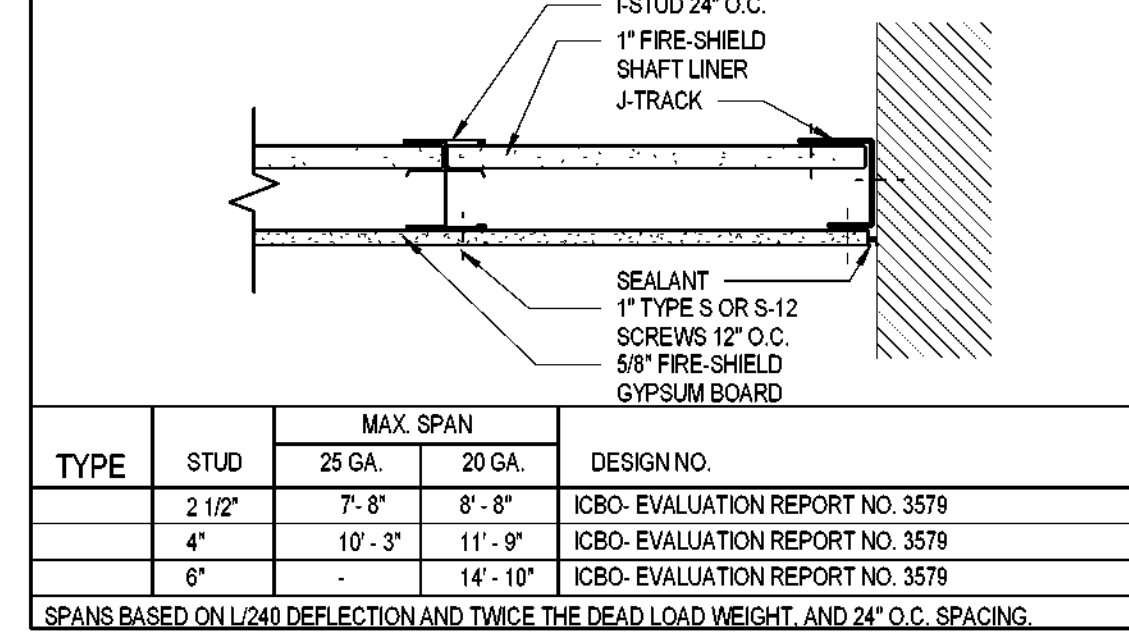


Table for 1-hour horizontal fire resistive assembly with columns: TYPE, STUD, MAX. SPAN, DESIGN NO.

1-HOUR HORIZ. FIRE RESISTIVE ASSY

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

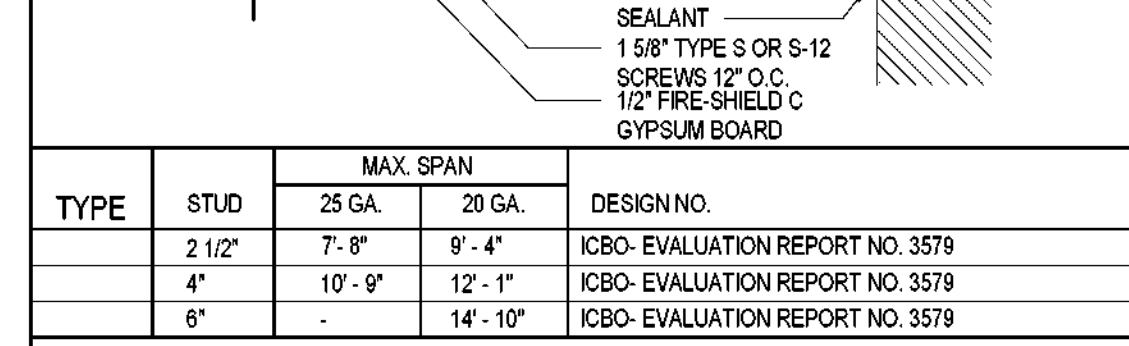
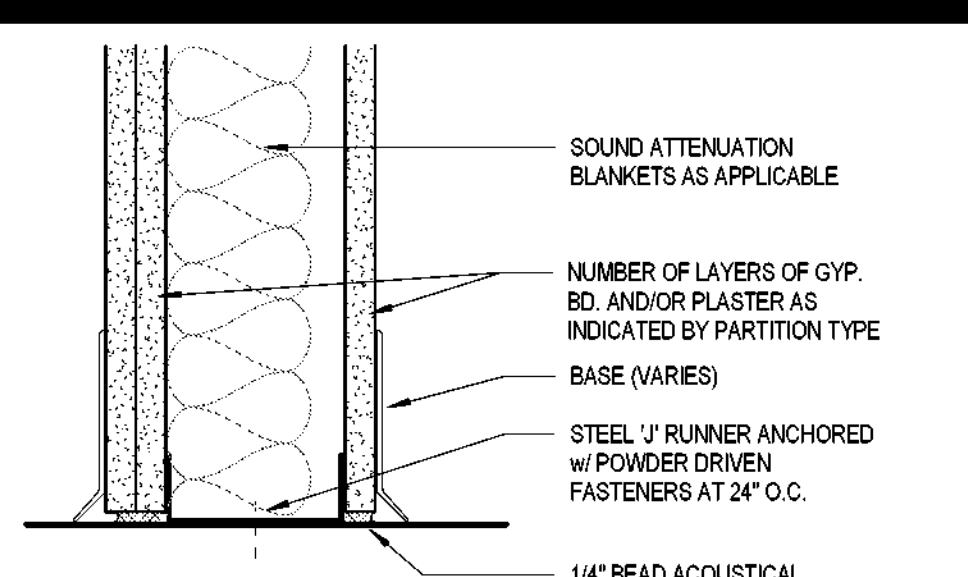


Table for 2-hour horizontal fire resistive assembly with columns: TYPE, STUD, MAX. SPAN, DESIGN NO.

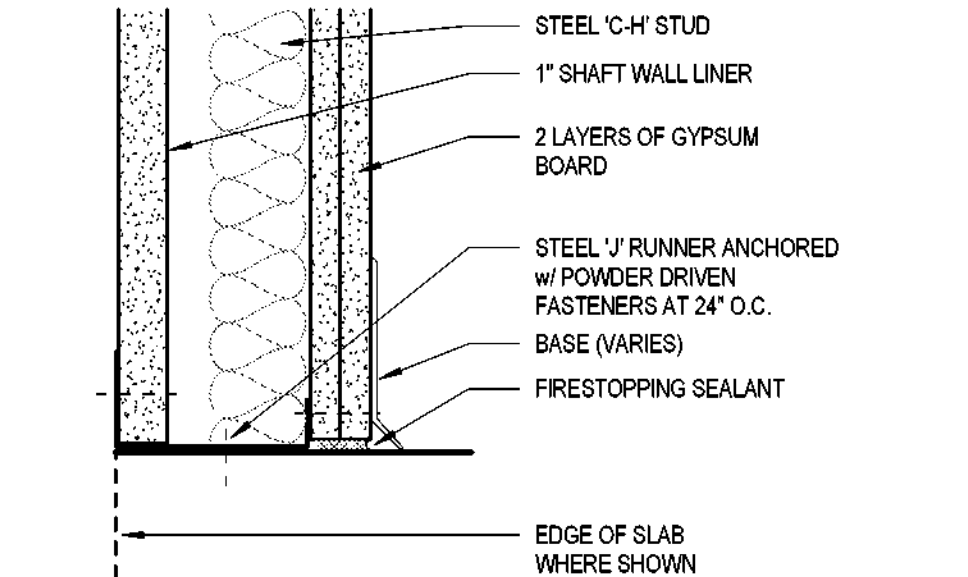
2-HOUR HORIZ. FIRE RESISTIVE ASSY

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

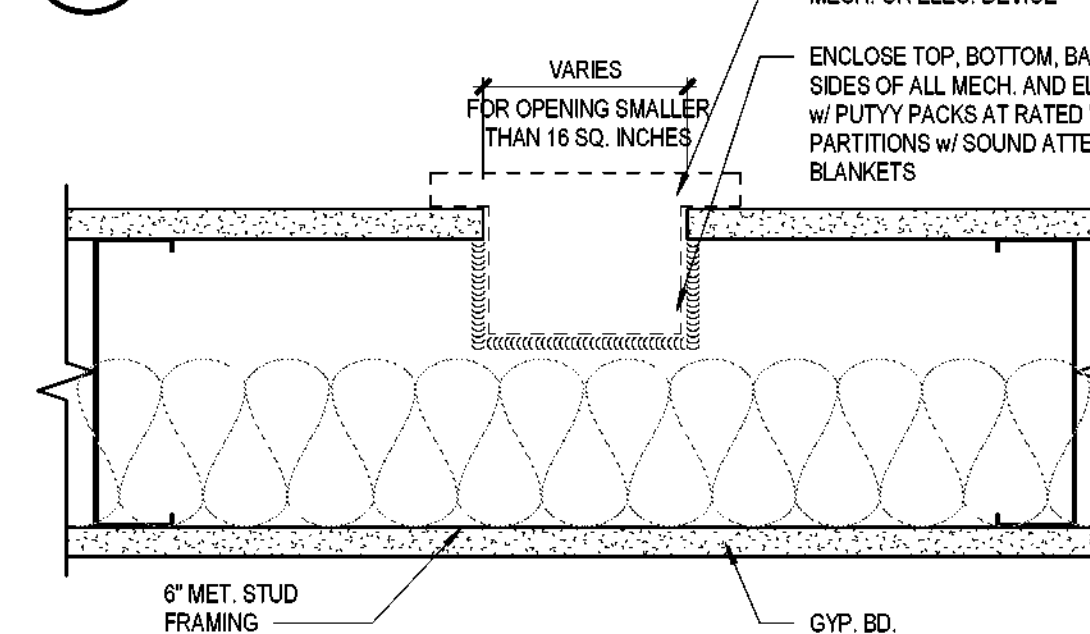
CITY OF DALLAS
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PARTIAL EXEMPTION



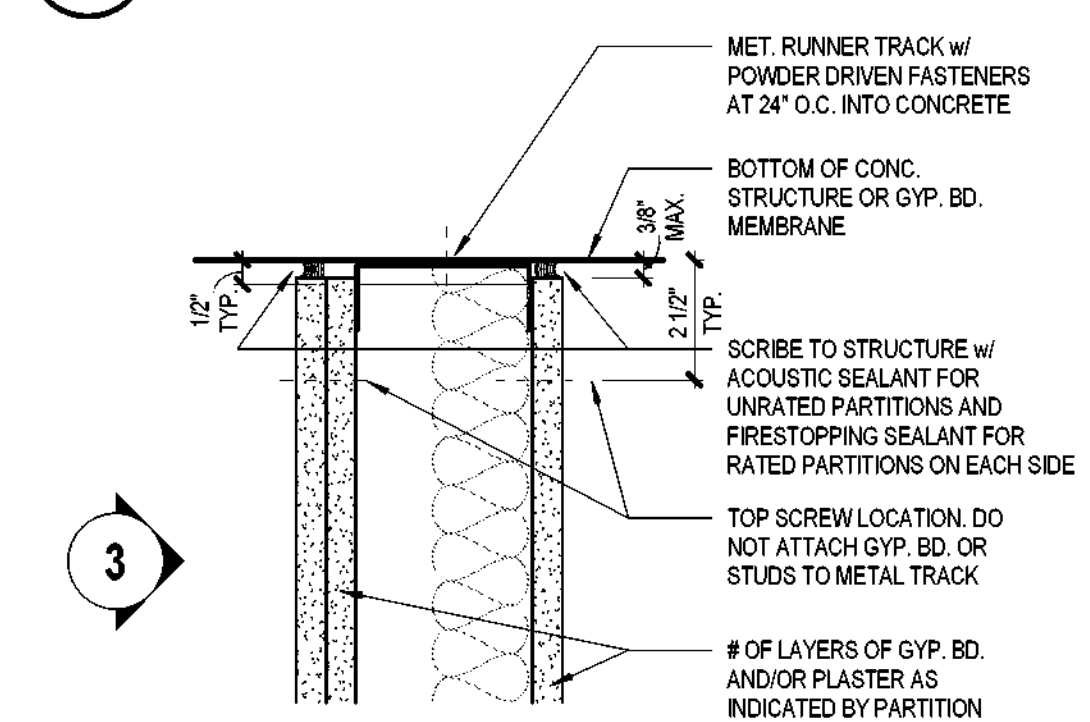
11 FLOOR ANCHORAGE OF PARTITION
SCALE: 3" = 1'-0"



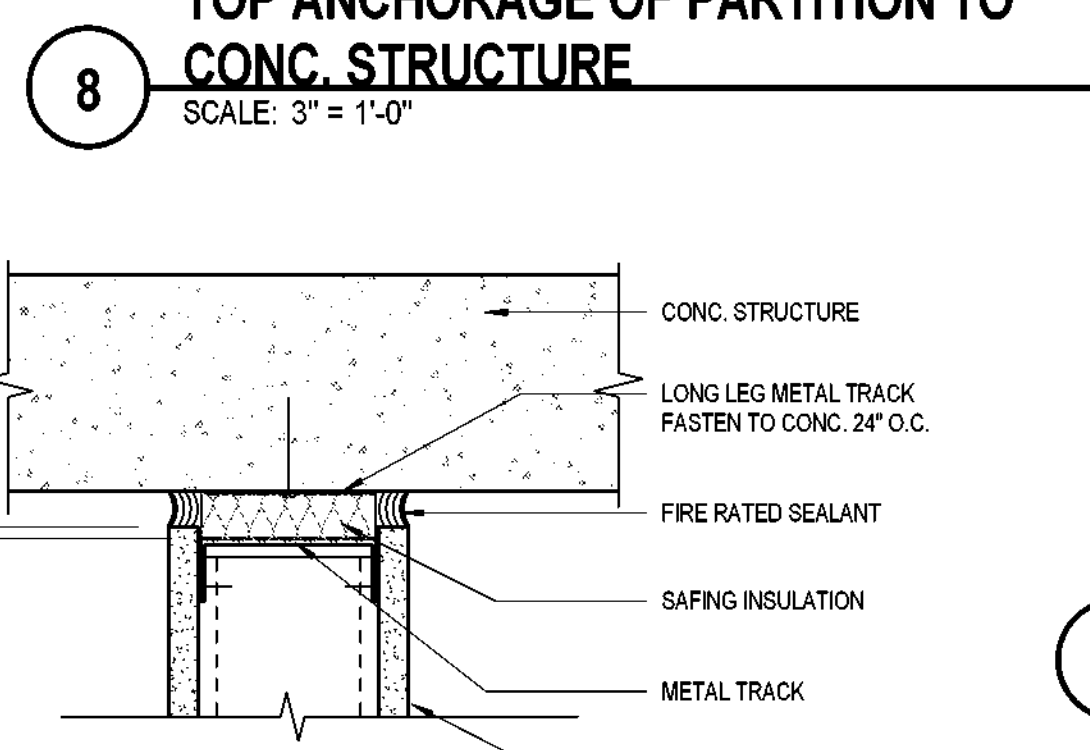
10 CAVITY SHAFTWALL @ FLOOR ANCHORAGE
SCALE: 3" = 1'-0"



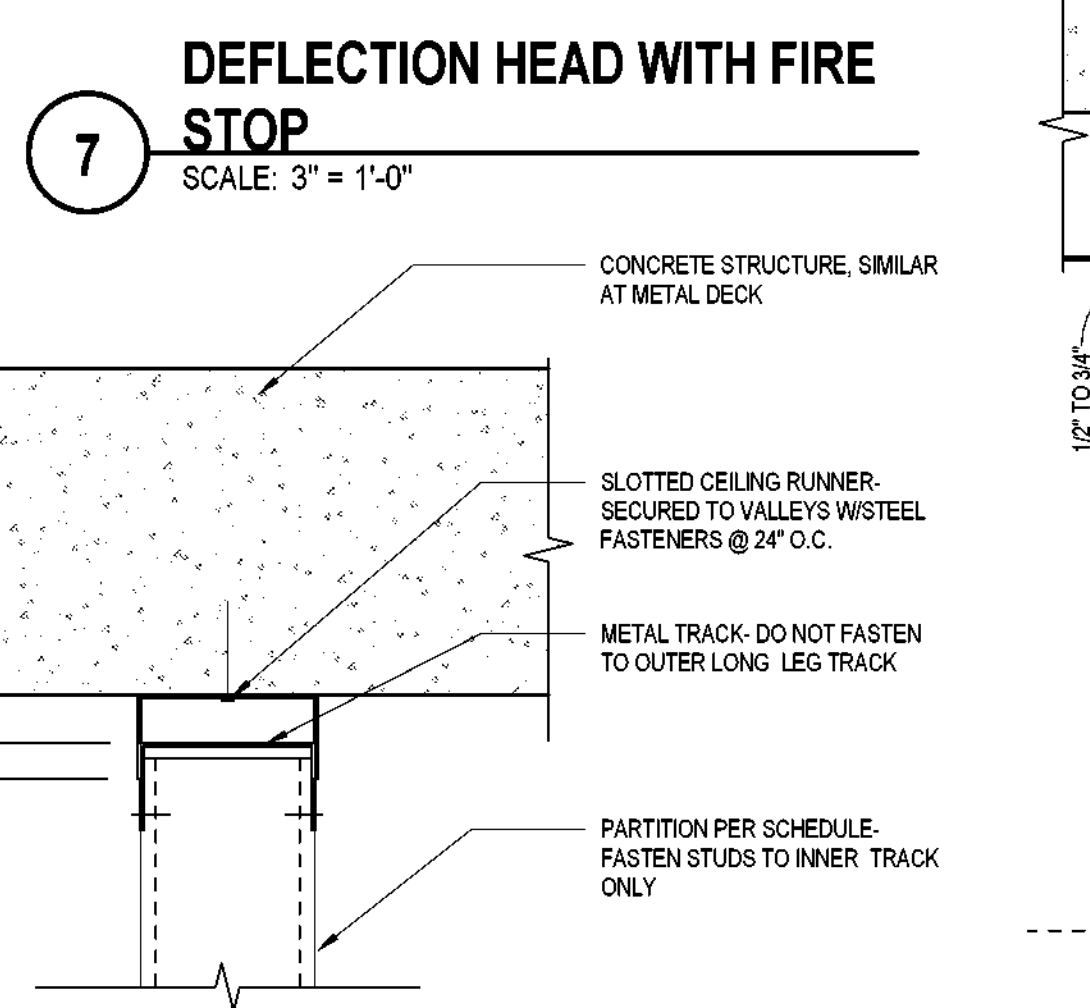
9 SMALL RECESSED ITEM AT RATED WALL
SCALE: 3" = 1'-0"



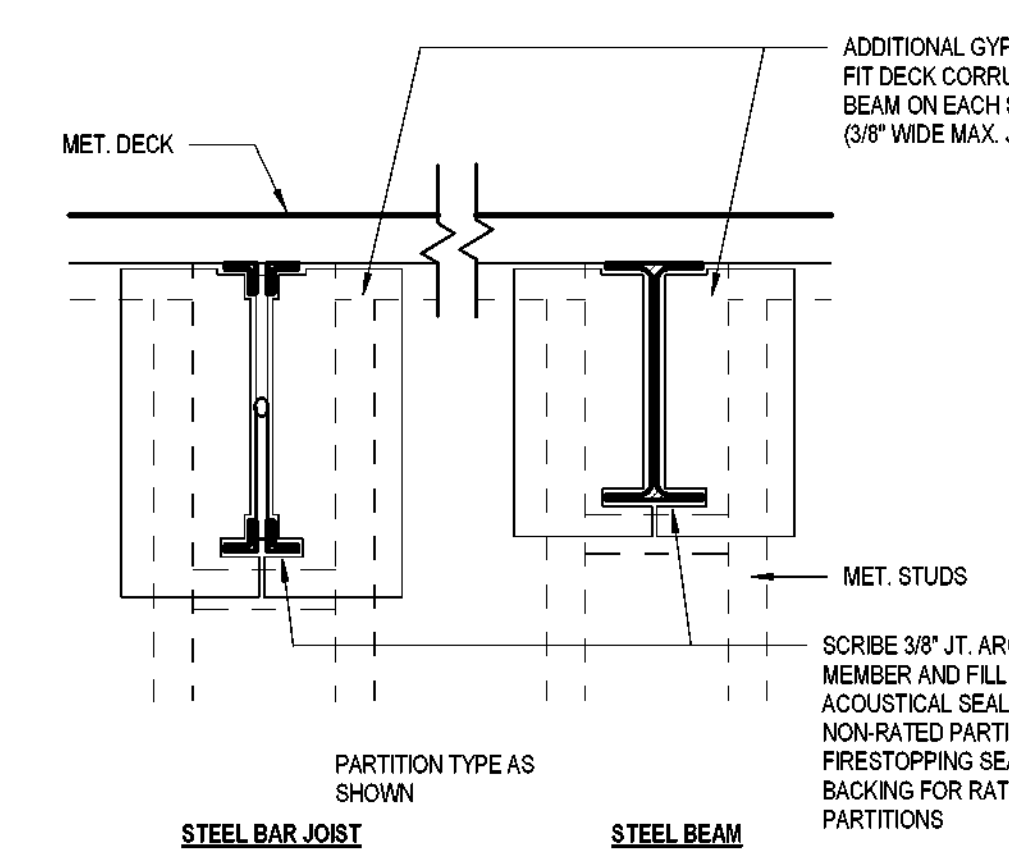
8 TOP ANCHORAGE OF PARTITION TO CONCR. STRUCTURE
SCALE: 3" = 1'-0"



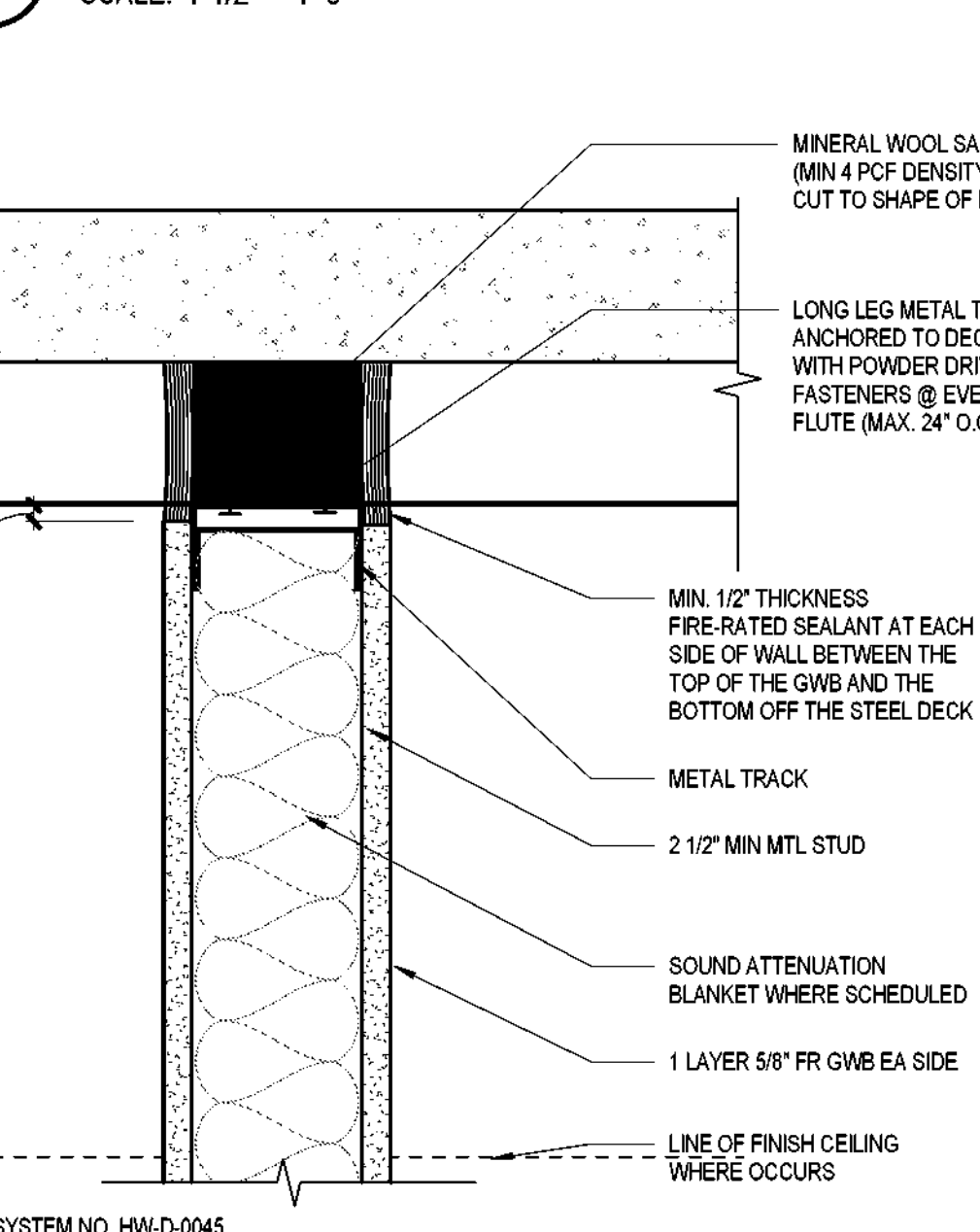
7 DEFLECTION HEAD WITH FIRE STOP
SCALE: 3" = 1'-0"



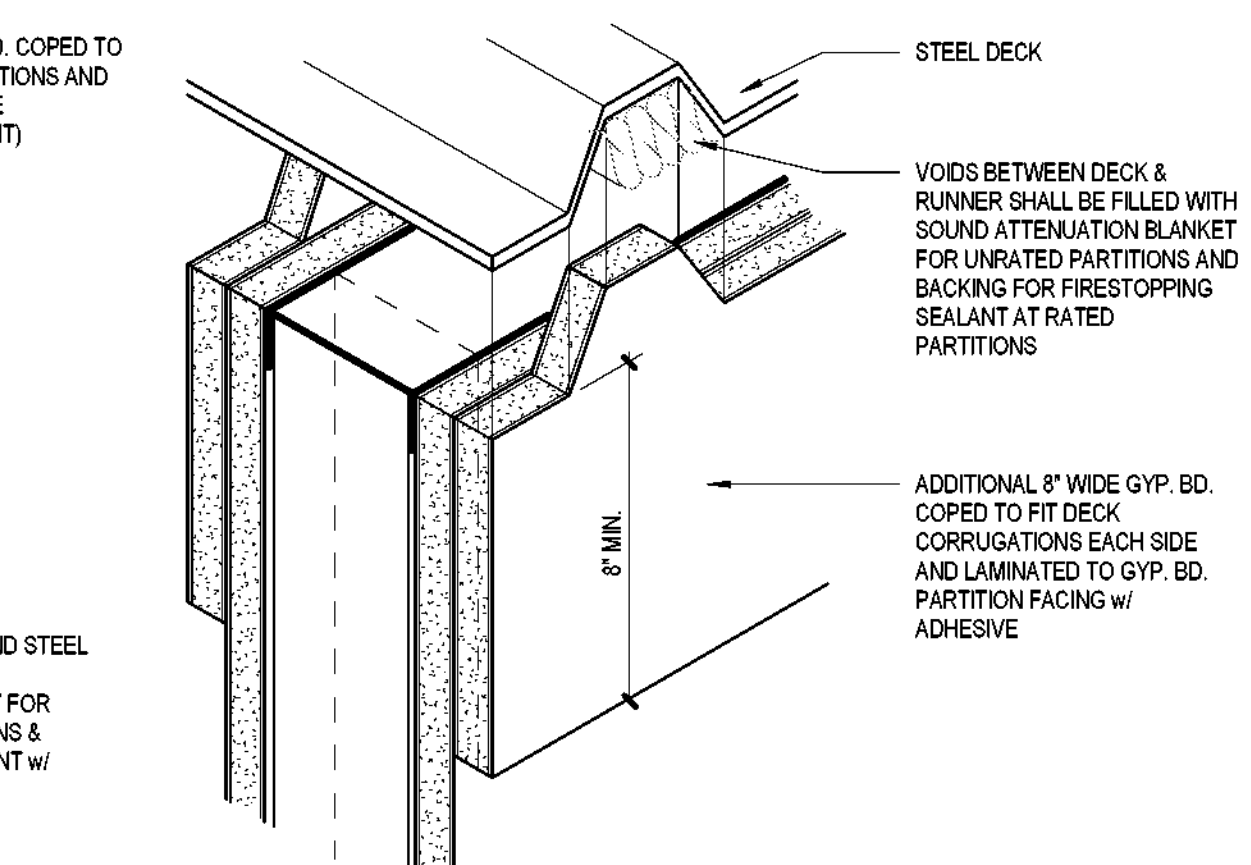
6 DEFLECTION HEAD AT METAL STUDS
SCALE: 3" = 1'-0"



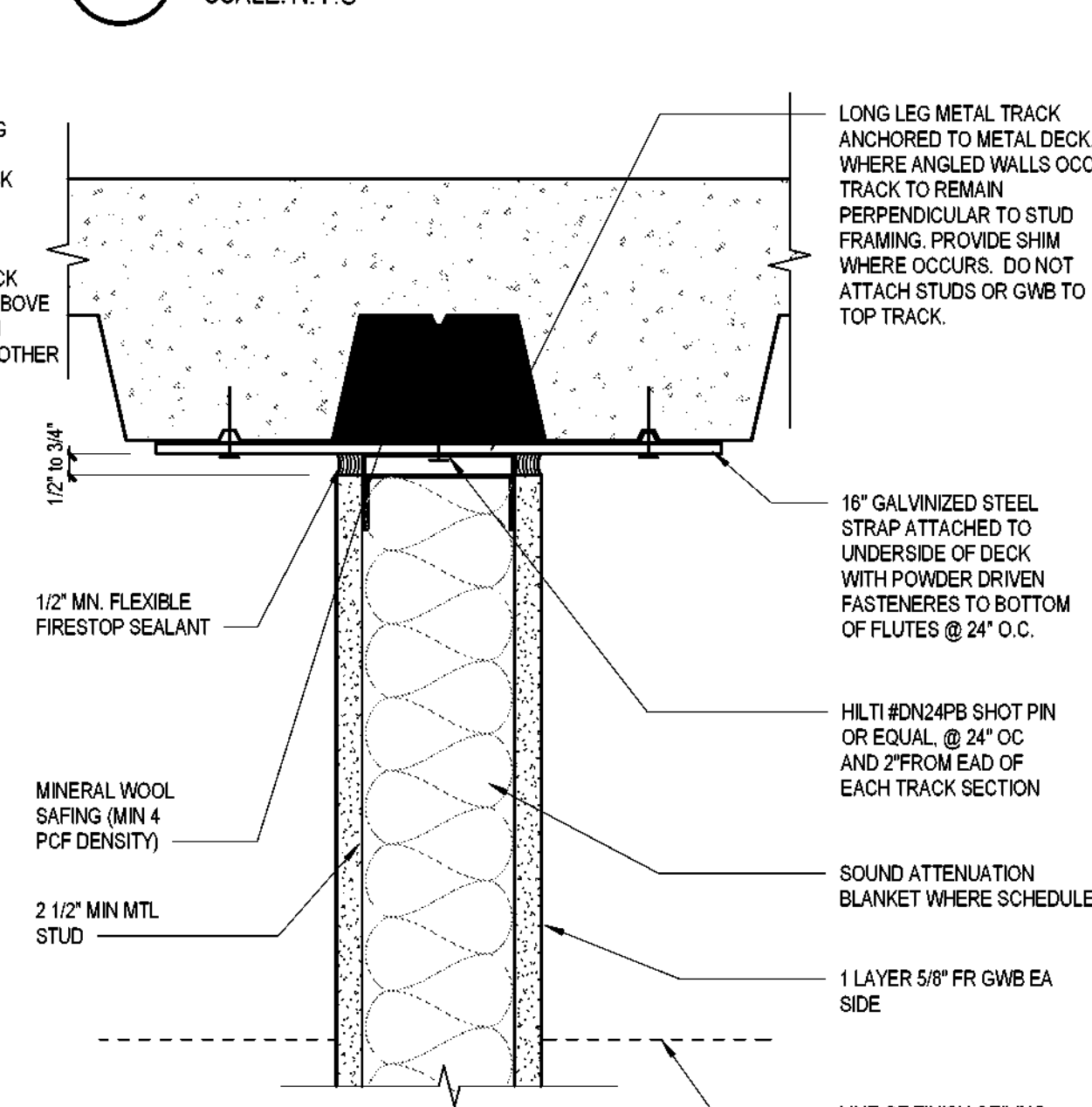
5 PARTITION CLOSURE AT STEEL STRUCT
SCALE: 1 1/2" = 1'-0"



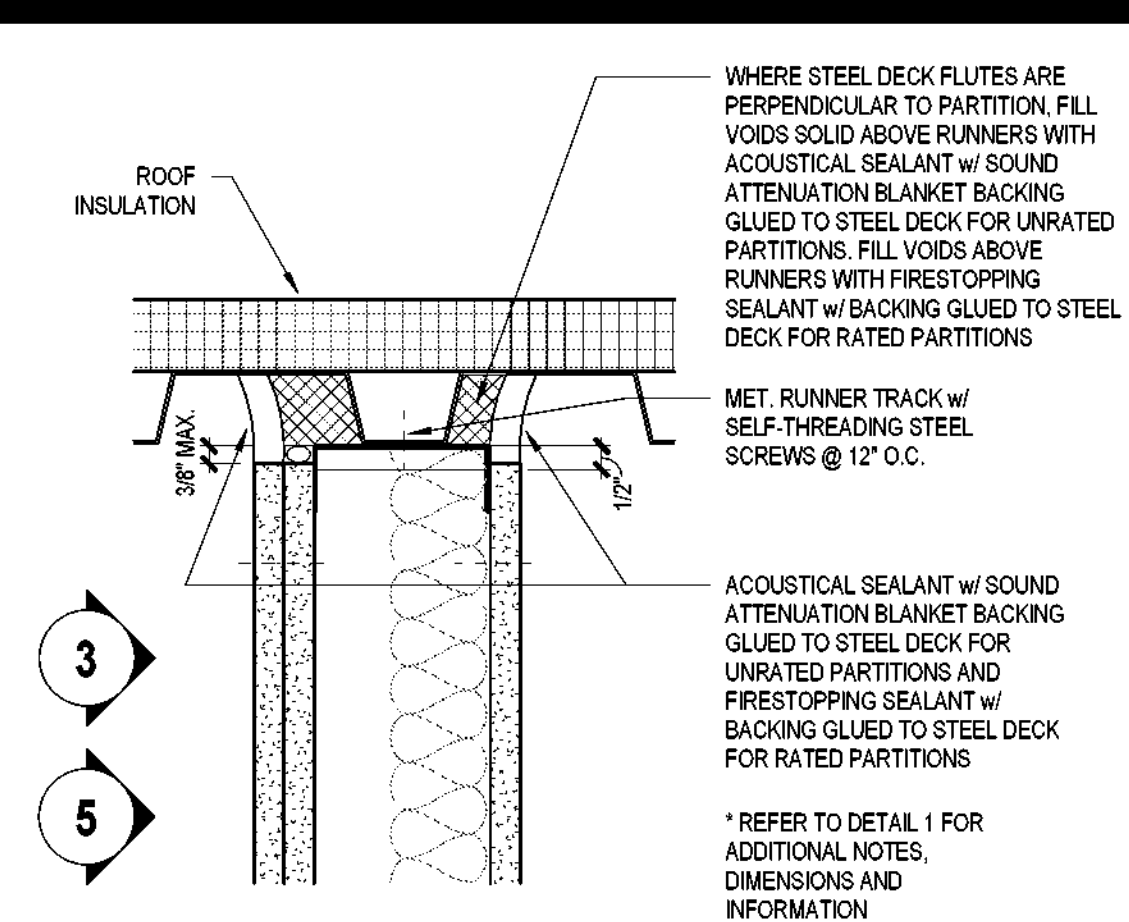
3 1-HR OR 2-HR ASSEMBLY T.O. WALL PERP. TO DECK
SCALE: 3" = 1'-0"



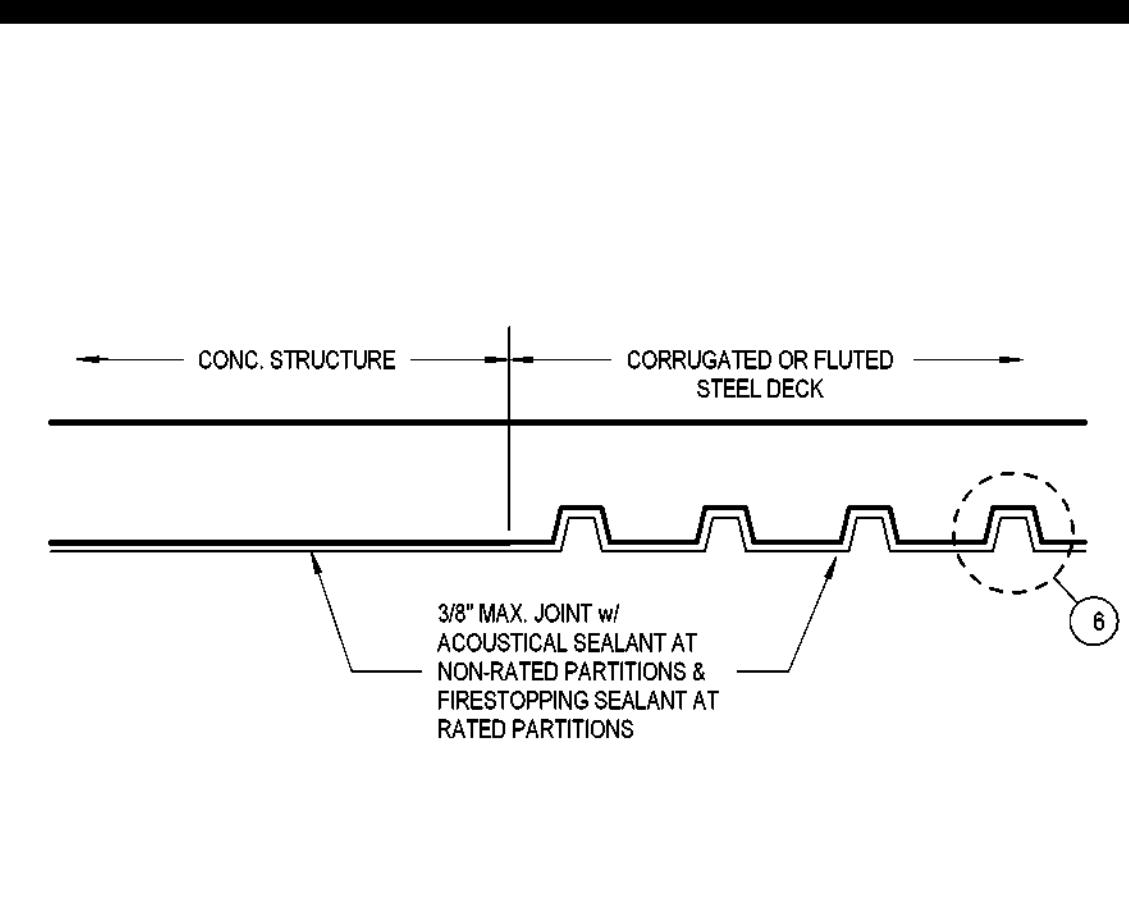
2 UPPER PARTITION DETAIL
SCALE: N.T.S.



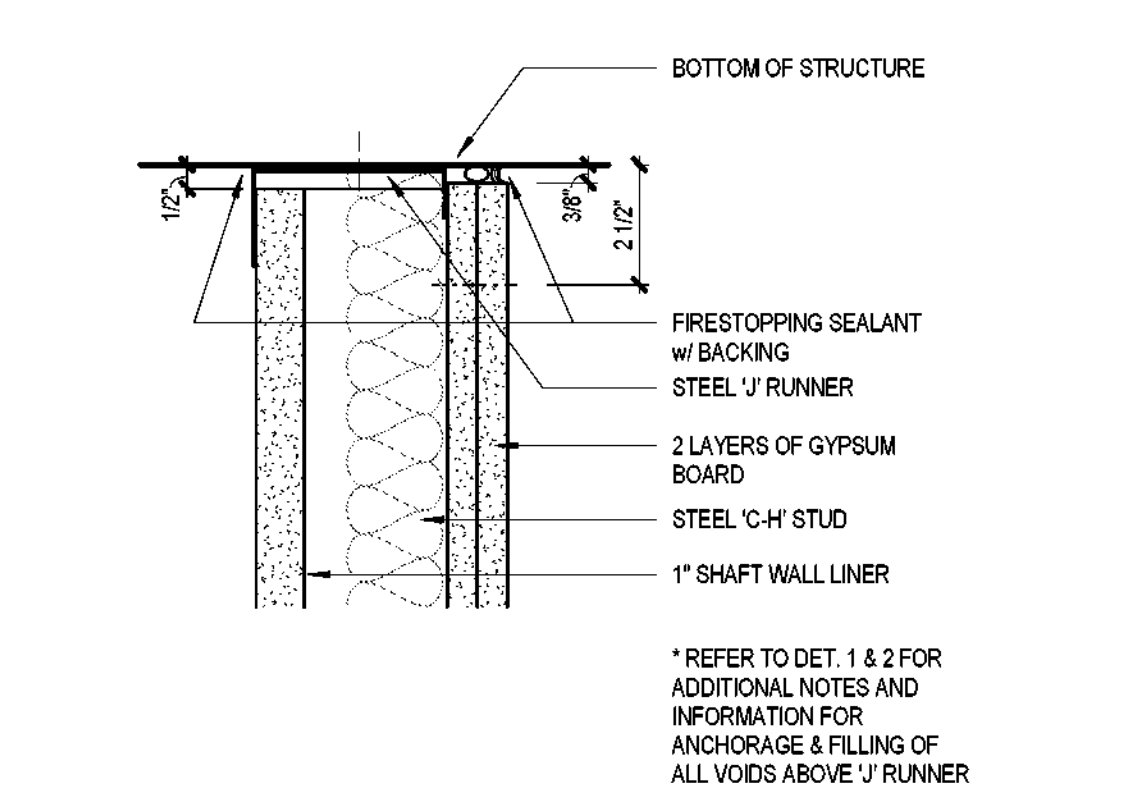
1 1-HR OR 2-HR ASSEMBLY T.O. WALL PARALLEL TO DECK
SCALE: 3" = 1'-0"



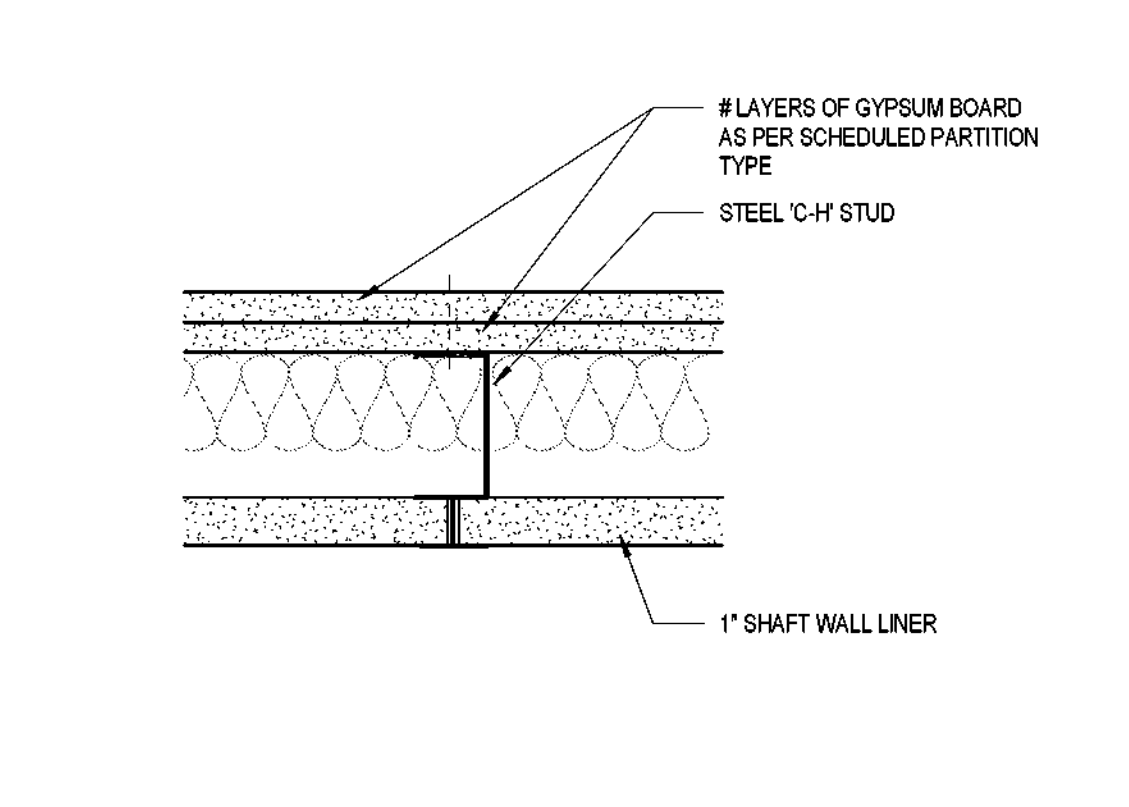
19 TOP ANCHORAGE OF PARTITION TO MET. DECK
SCALE: 3" = 1'-0"



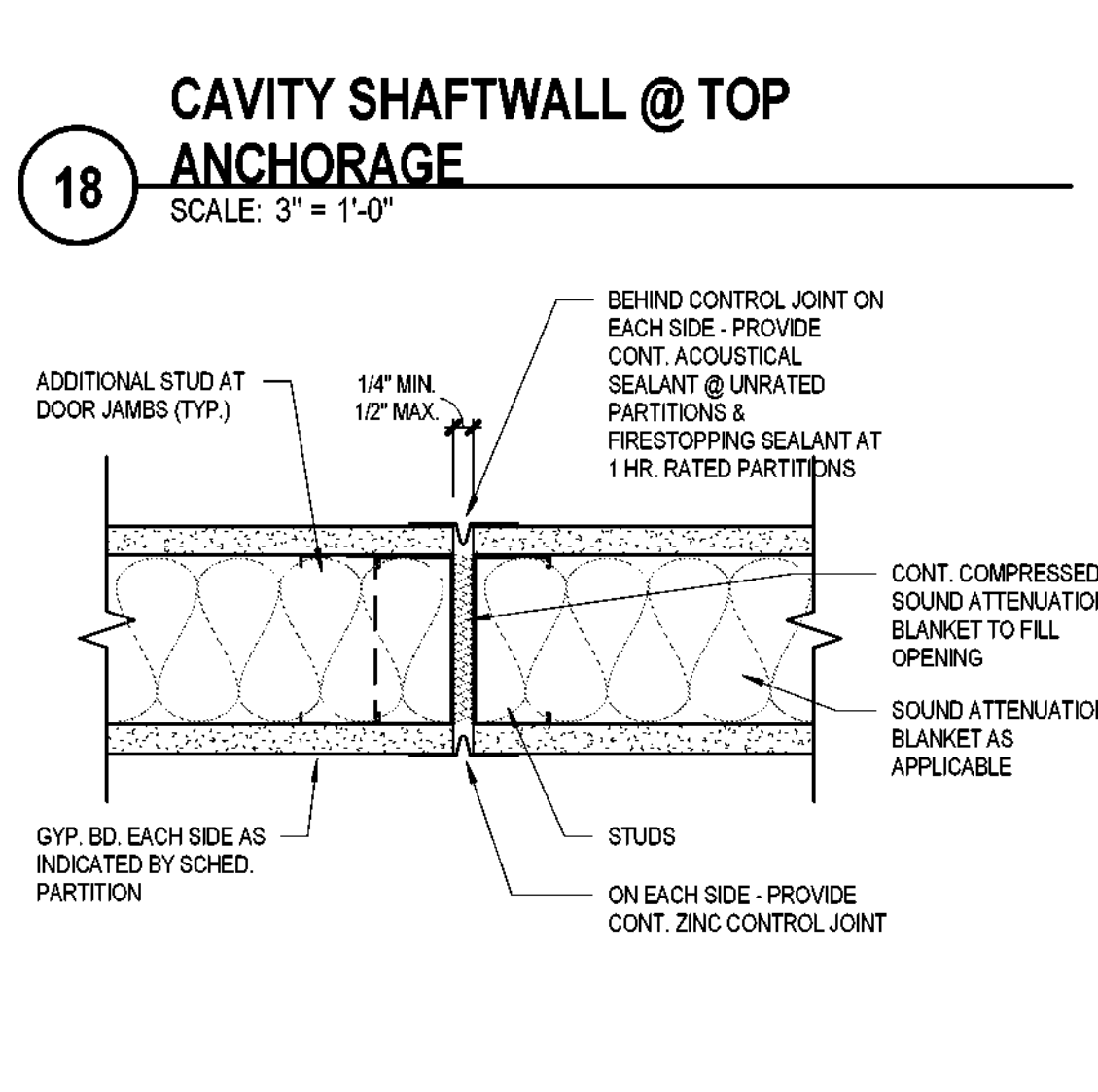
15 TOP ANCHORAGE OF PARTITION (ELEVATION)
SCALE: 1 1/2" = 1'-0"



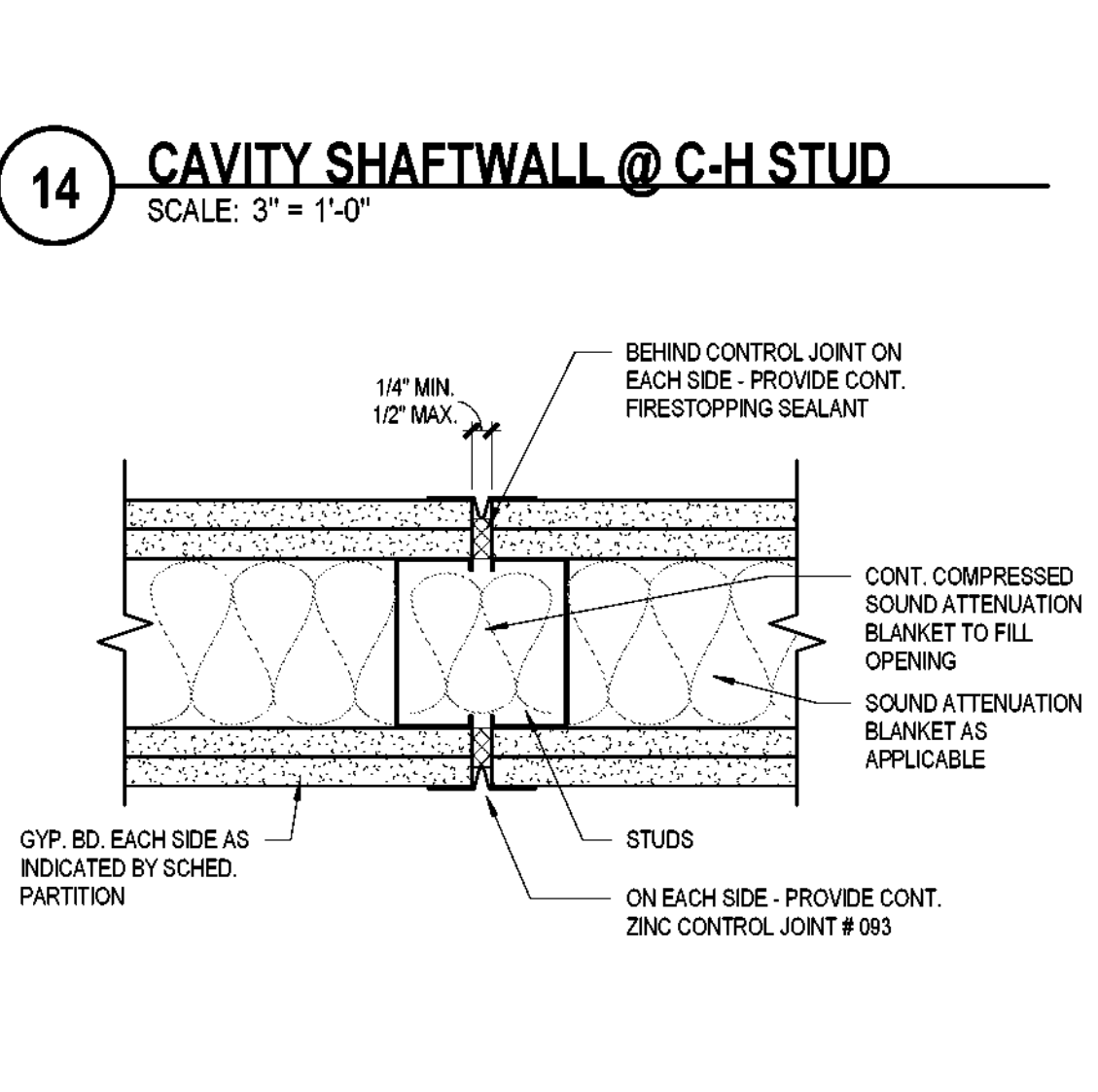
18 CAVITY SHAFTWALL @ TOP ANCHORAGE
SCALE: 3" = 1'-0"



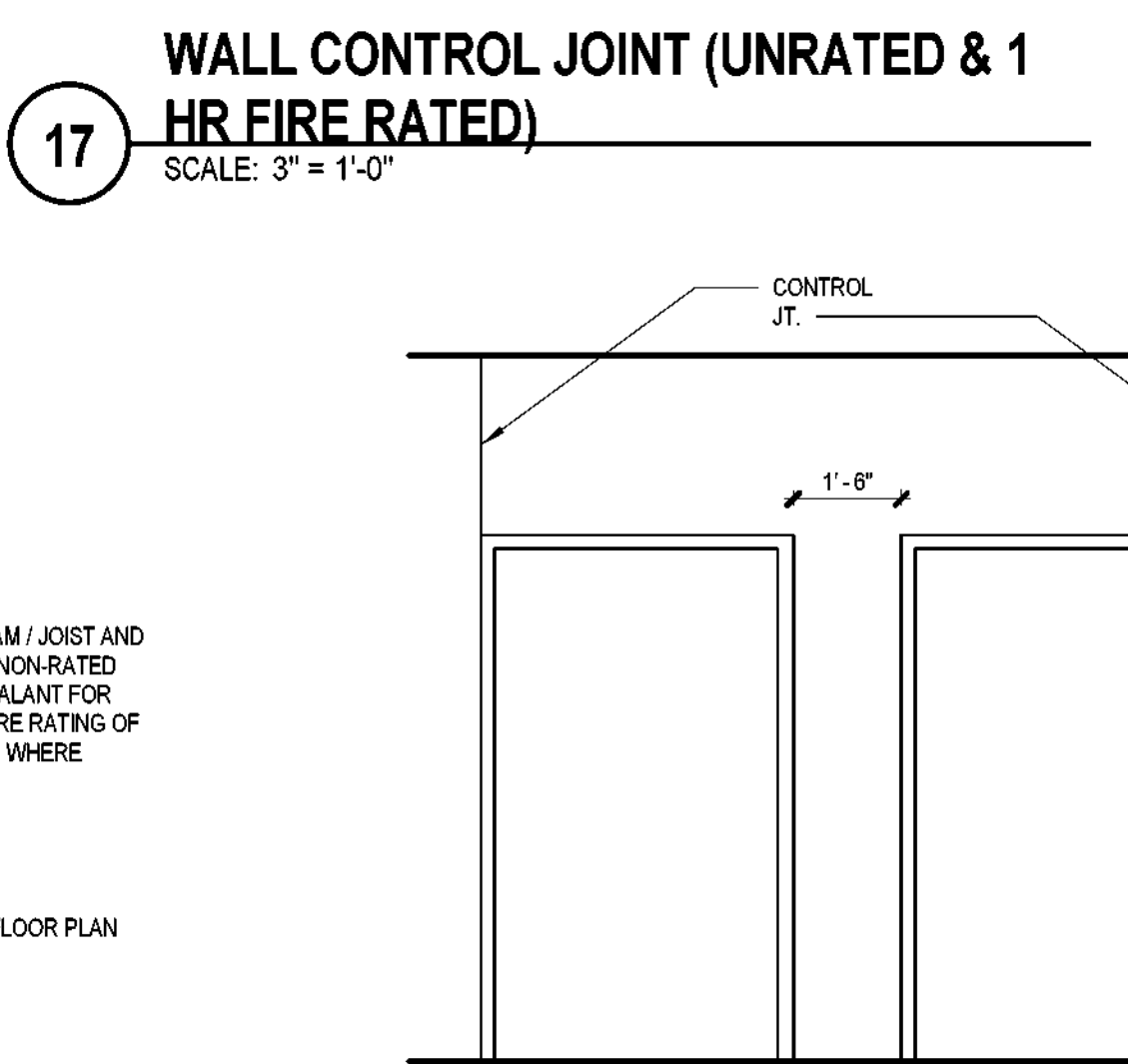
14 CAVITY SHAFTWALL @ C-H STUD
SCALE: 3" = 1'-0"



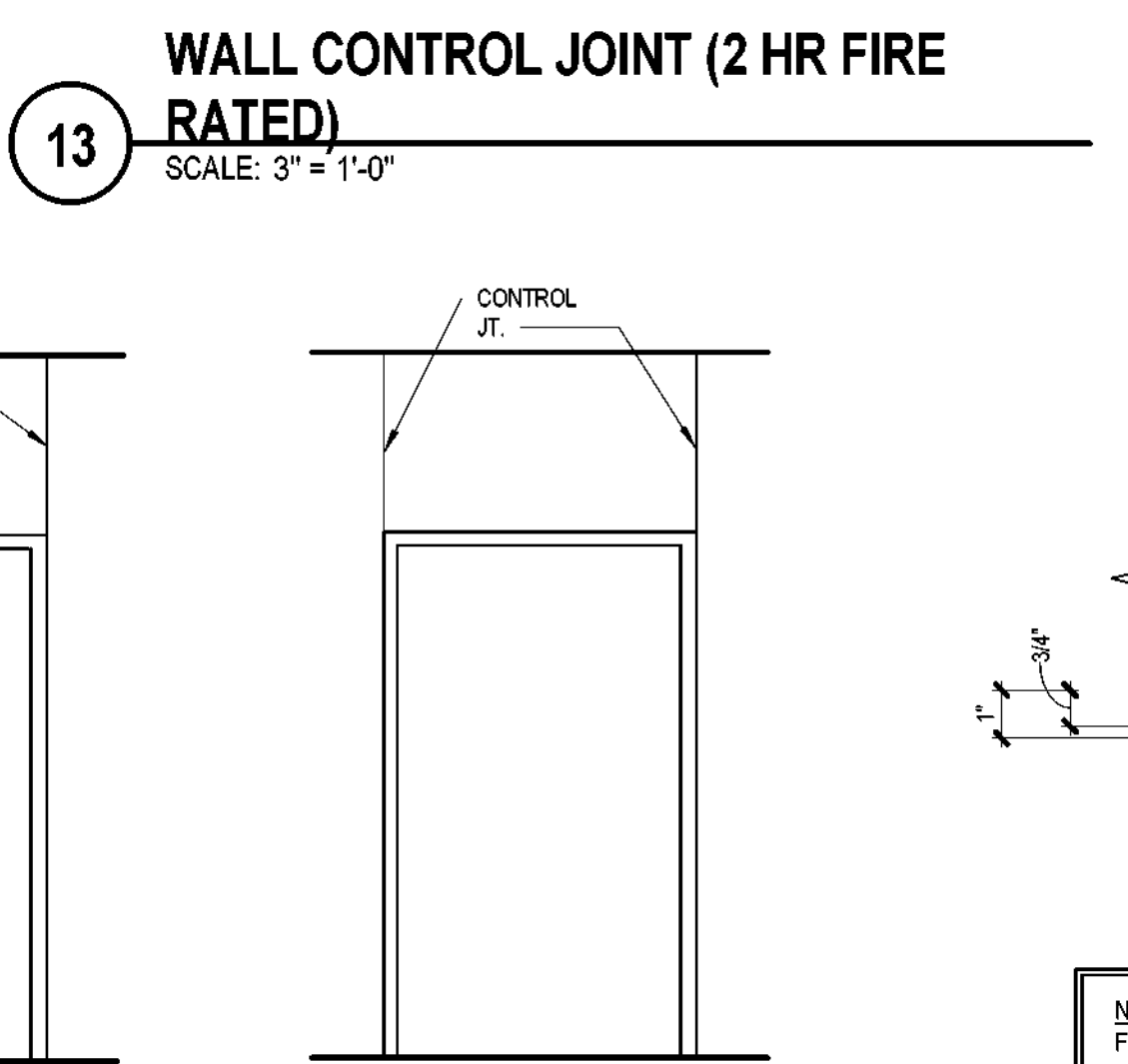
23 TOP ANCHORAGE OF FURRED WALL
SCALE: 3" = 1'-0"



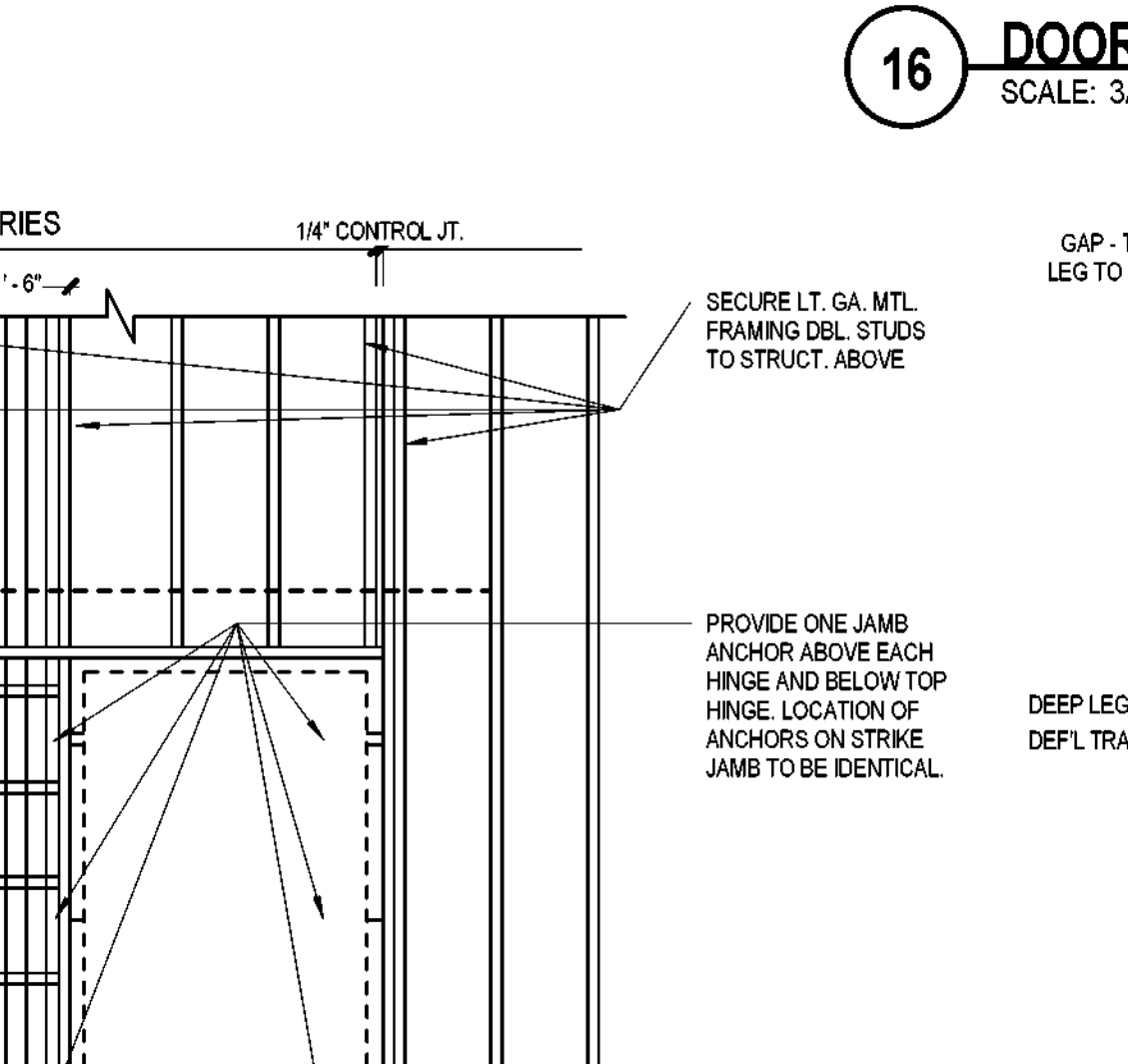
17 WALL CONTROL JOINT (UNRATED & 1 HR FIRE RATED)
SCALE: 3" = 1'-0"



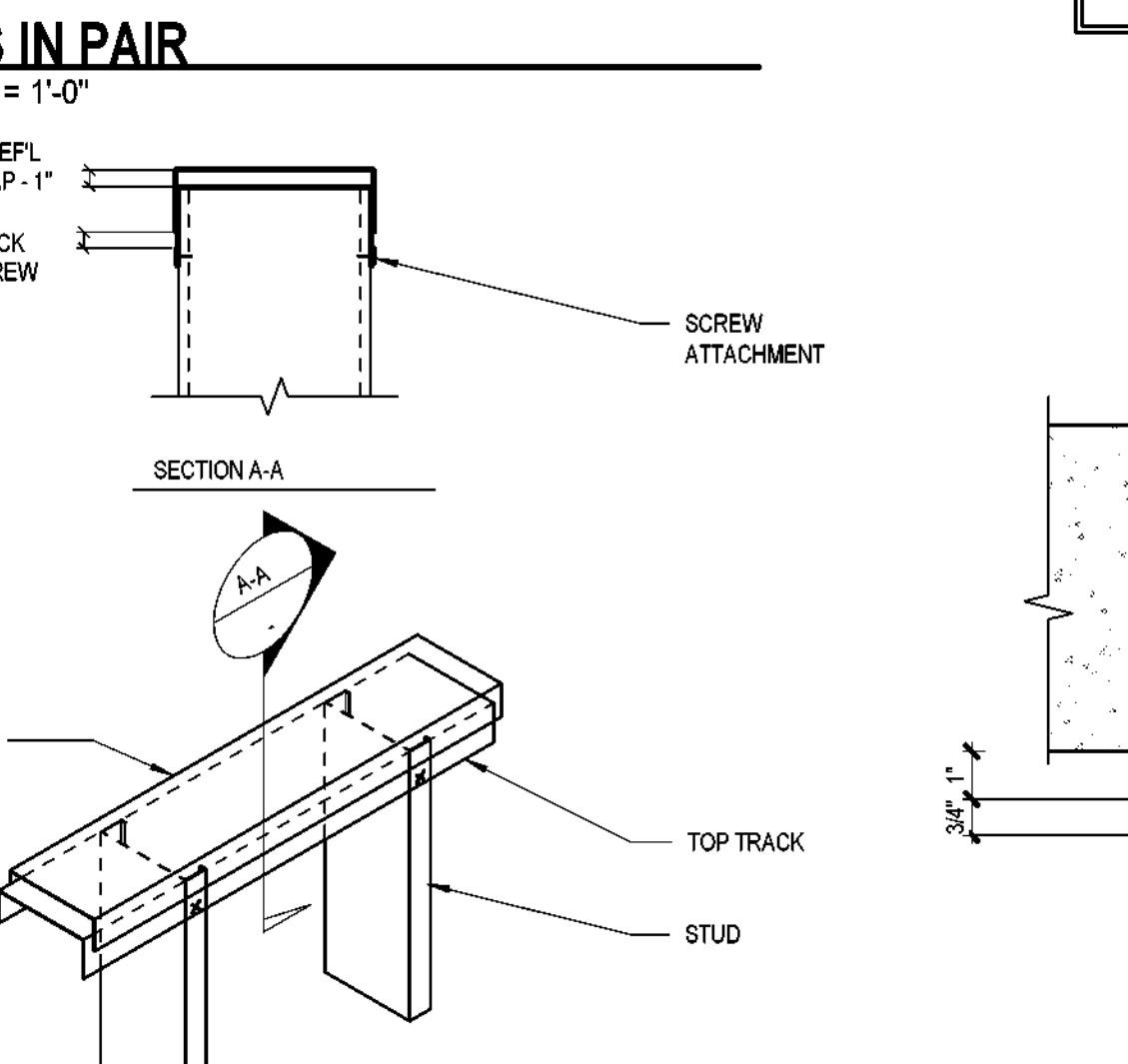
22 CAVITY SHAFTWALL @ FLOOR ANCHORAGE
SCALE: 3" = 1'-0"



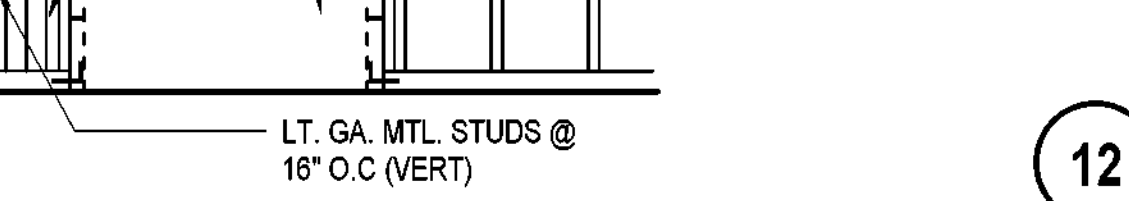
13 WALL CONTROL JOINT (2 HR FIRE RATED)
SCALE: 3" = 1'-0"



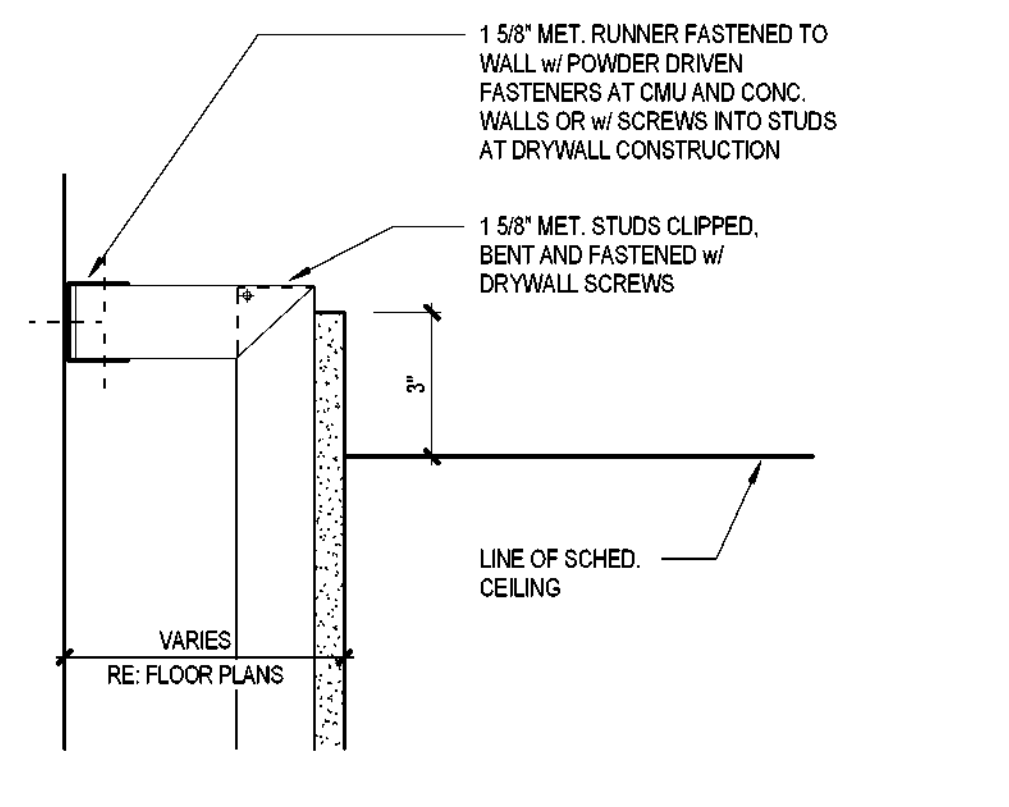
21 TOP ANCHORAGE OF PARTITION @ CONCR. JOIST
SCALE: 1 1/2" = 1'-0"



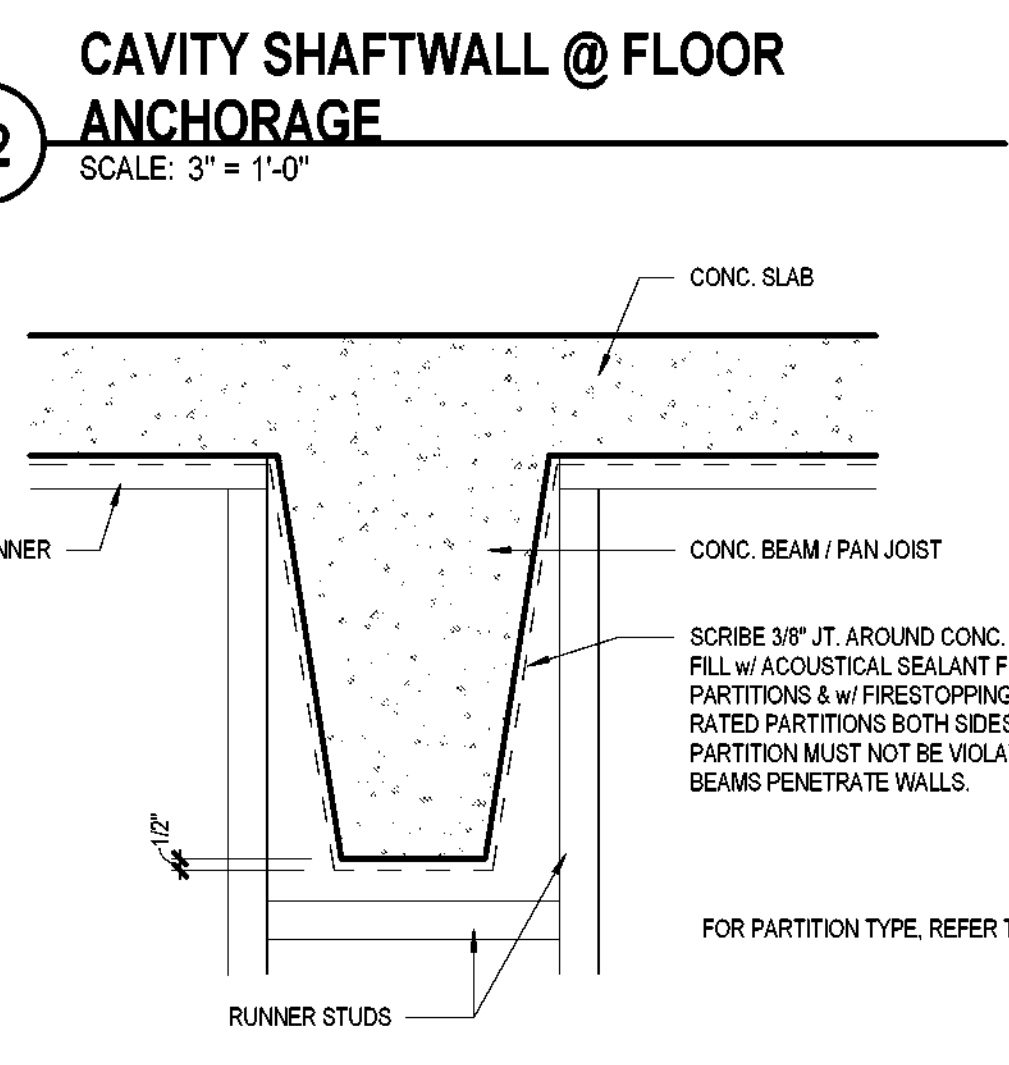
16 DOORS IN PAIR
SCALE: 3/8" = 1'-0"



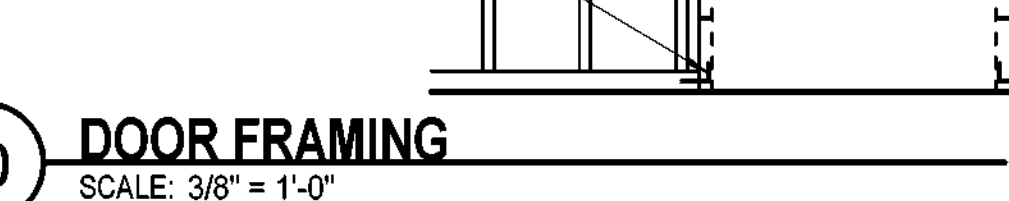
20 DOOR FRAMING
SCALE: 3/8" = 1'-0"



23 TOP ANCHORAGE OF FURRED WALL
SCALE: 3" = 1'-0"



22 CAVITY SHAFTWALL @ FLOOR ANCHORAGE
SCALE: 3" = 1'-0"



20 DOOR FRAMING
SCALE: 3/8" = 1'-0"

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ORG049 Greiner Exploratory Arts
Academy
501 S Edgelfeld Ave
Dallas, TX 75208

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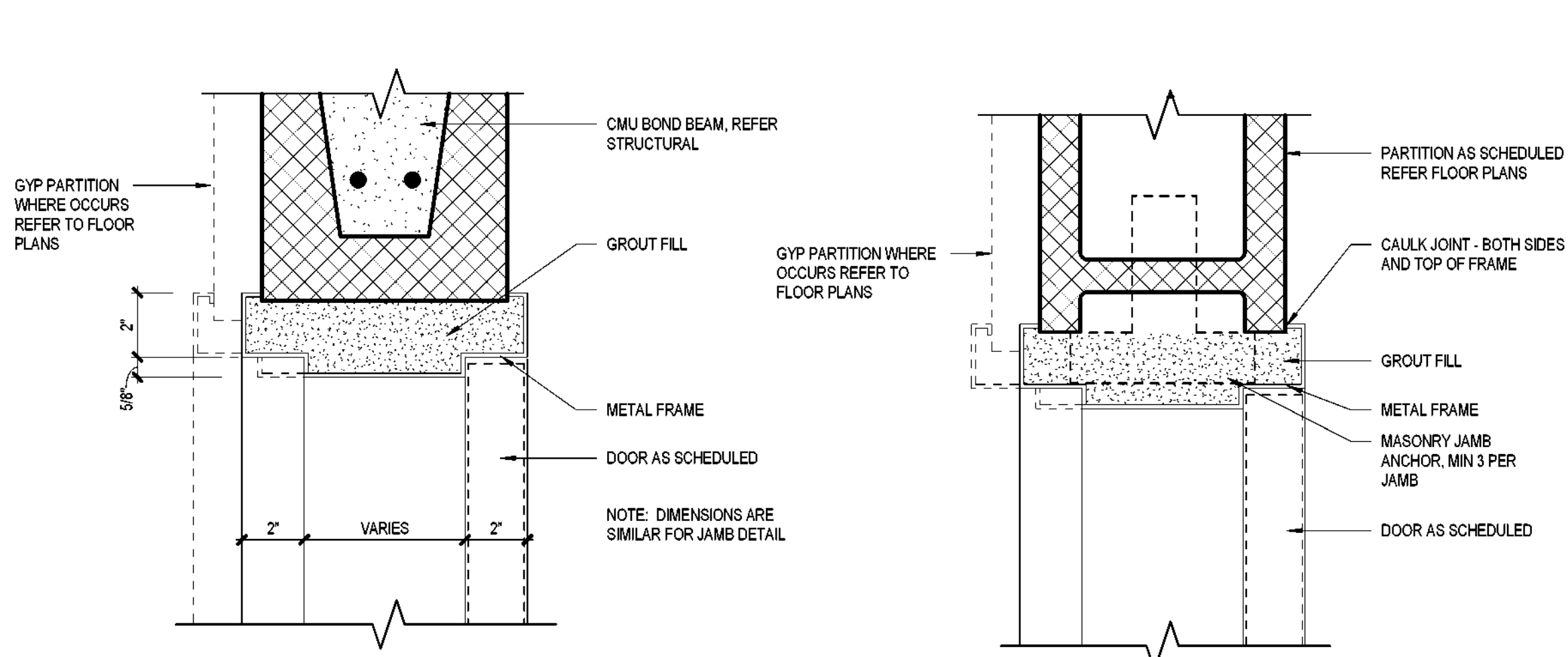
REVISION HISTORY
REVISION DESCRIPTION DATE

ARCHITECTURAL - DOOR / FRAME
ELEVATIONS AND DETAILS

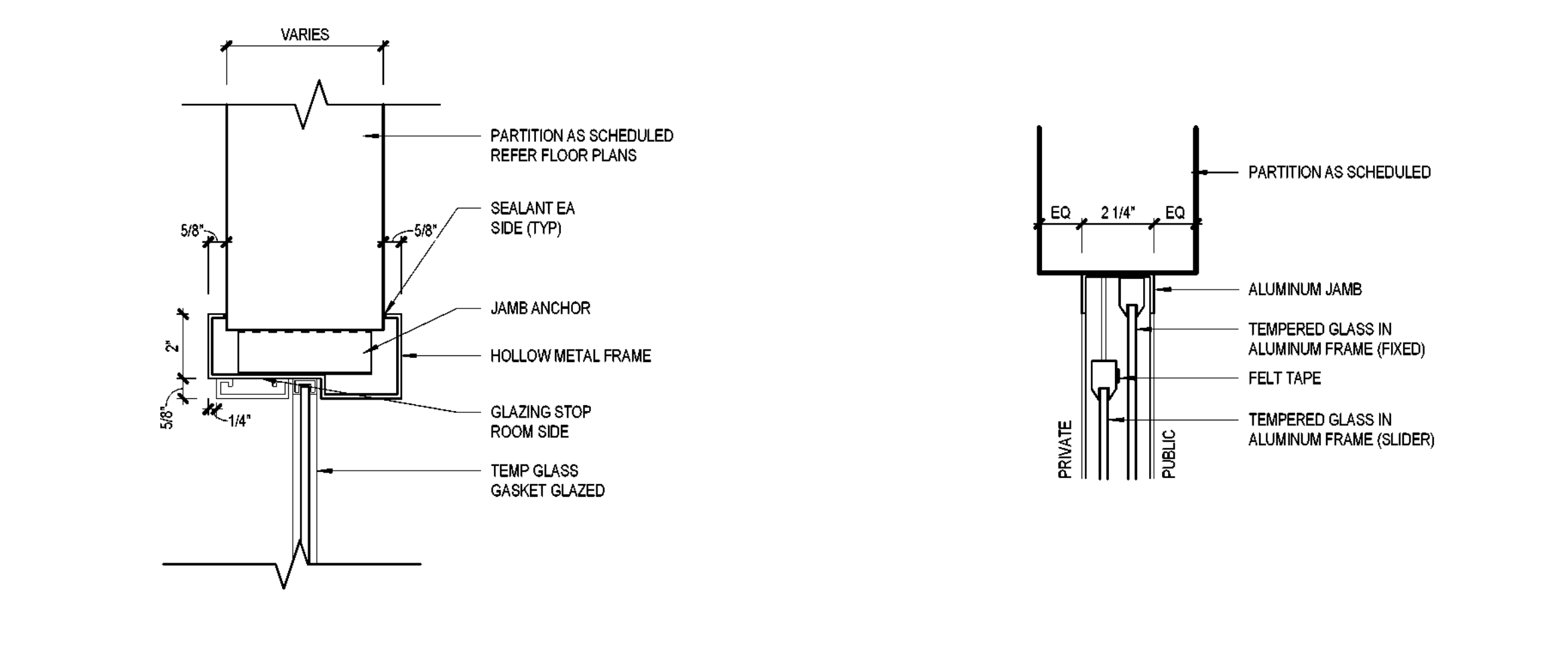
DRAWN BY CS CHECKED BY CH
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEA
ORIGINAL ISSUE DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

A-611
SHEET NUMBER

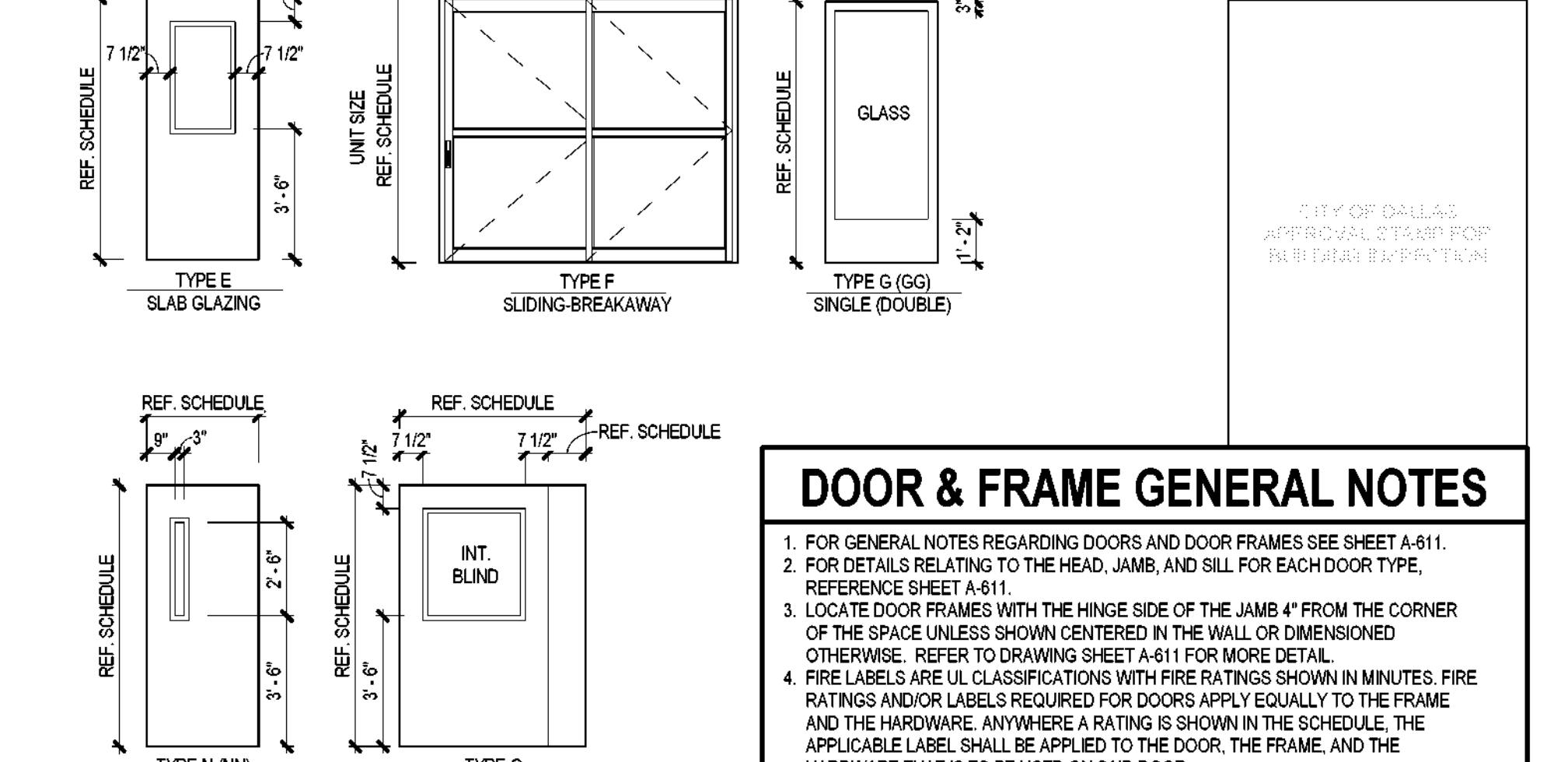
ARCHITECTURAL - DOOR SCHEDULE table with columns: Door Number, Door Type, From Room, To Room, Door, Fire Rating, Hardware Set, Frame, Comments.



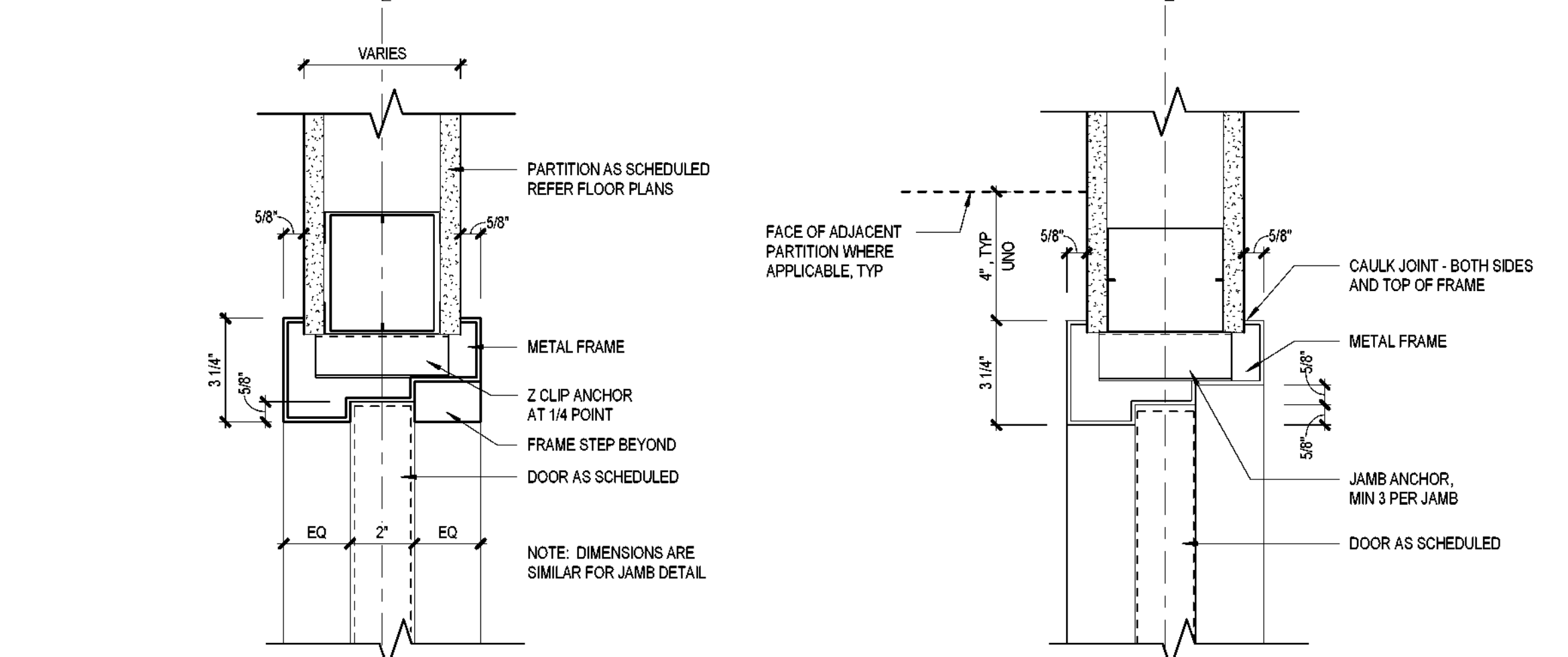
19 HM FRAME HEAD IN CMU SCALE: 3" = 1'-0"
15 HM FRAME JAMB IN CMU SCALE: 3" = 1'-0"



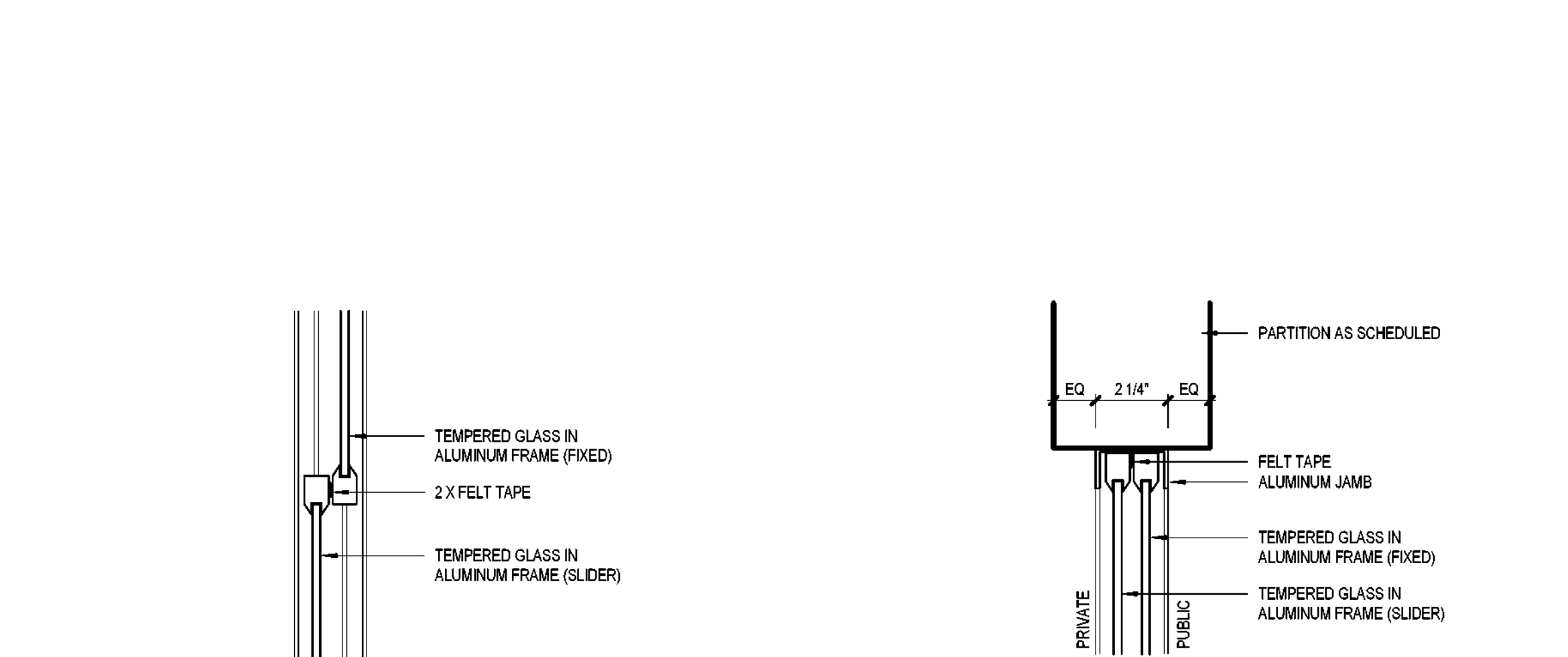
11 HM GLAZING FRAME HEAD / JAMB SCALE: 3" = 1'-0"
8 SLIDING WINDOW JAMB SCALE: 3" = 1'-0"



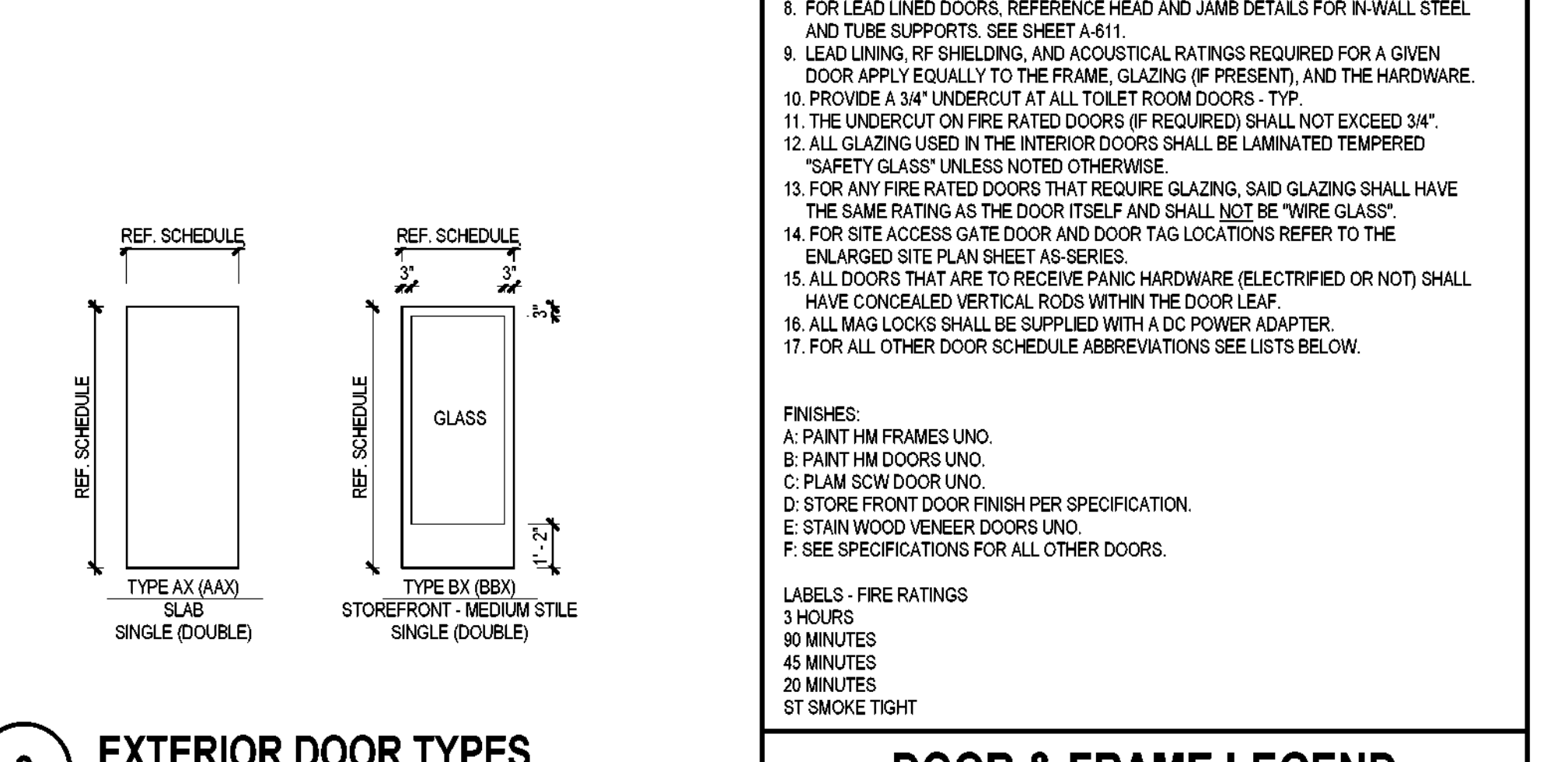
4 INTERIOR DOOR TYPES SCALE: 1/4" = 1'-0"



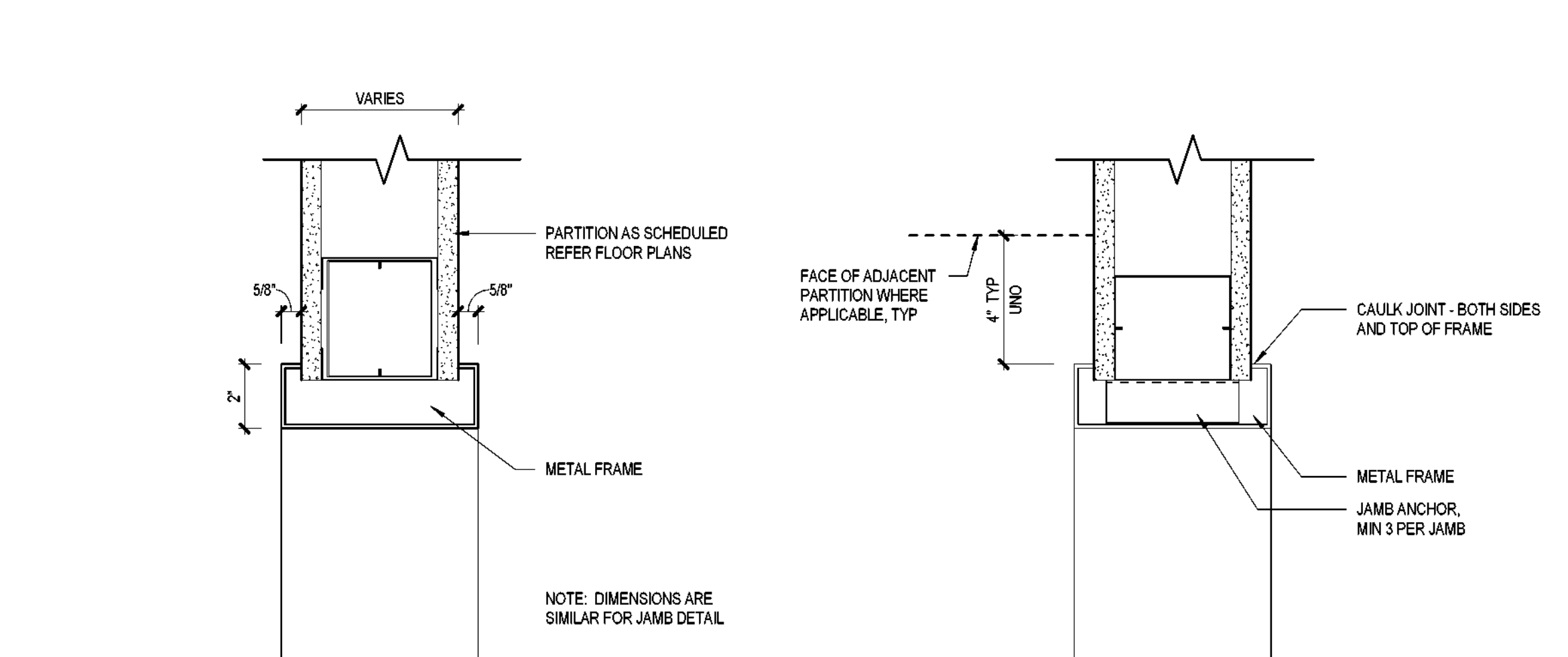
18 HM DOUBLE EGRESS FRAME HEAD SCALE: 3" = 1'-0"
14 HM DOUBLE EGRESS FRAME JAMB SCALE: 3" = 1'-0"



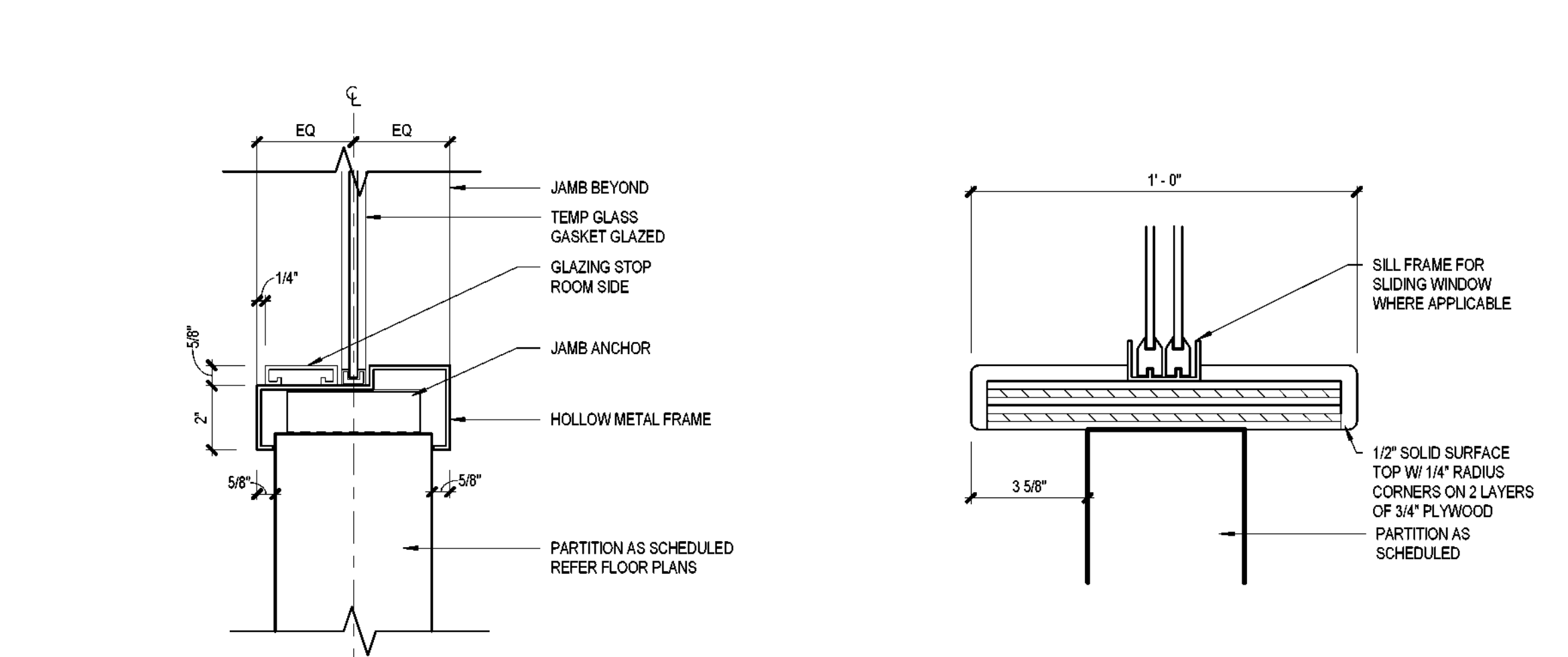
10 SLIDING WINDOW INTERMEDIATE JAMB SCALE: 3" = 1'-0"
7 SLIDING WINDOW HEAD SCALE: 3" = 1'-0"



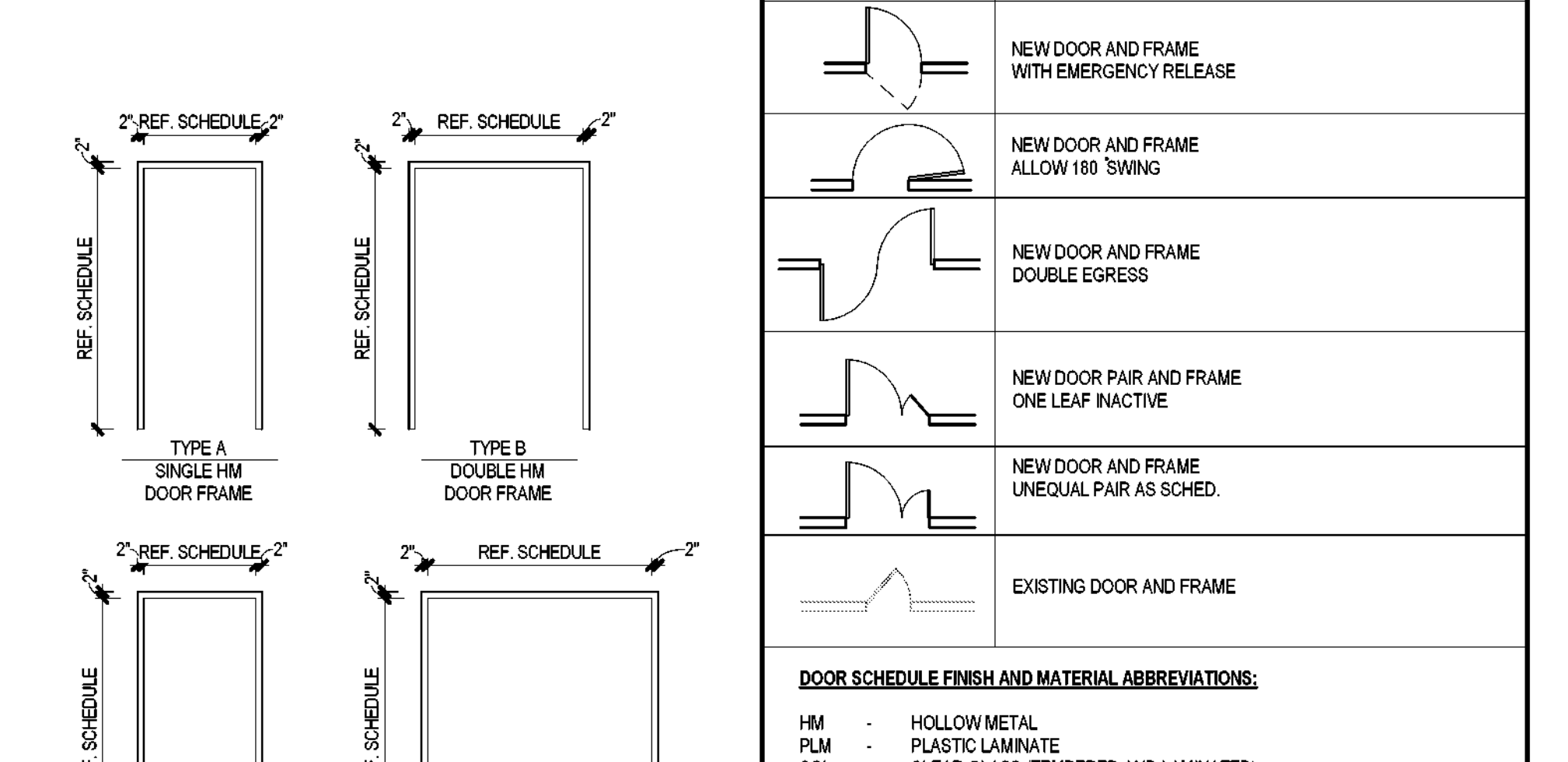
3 EXTERIOR DOOR TYPES SCALE: 1/4" = 1'-0"



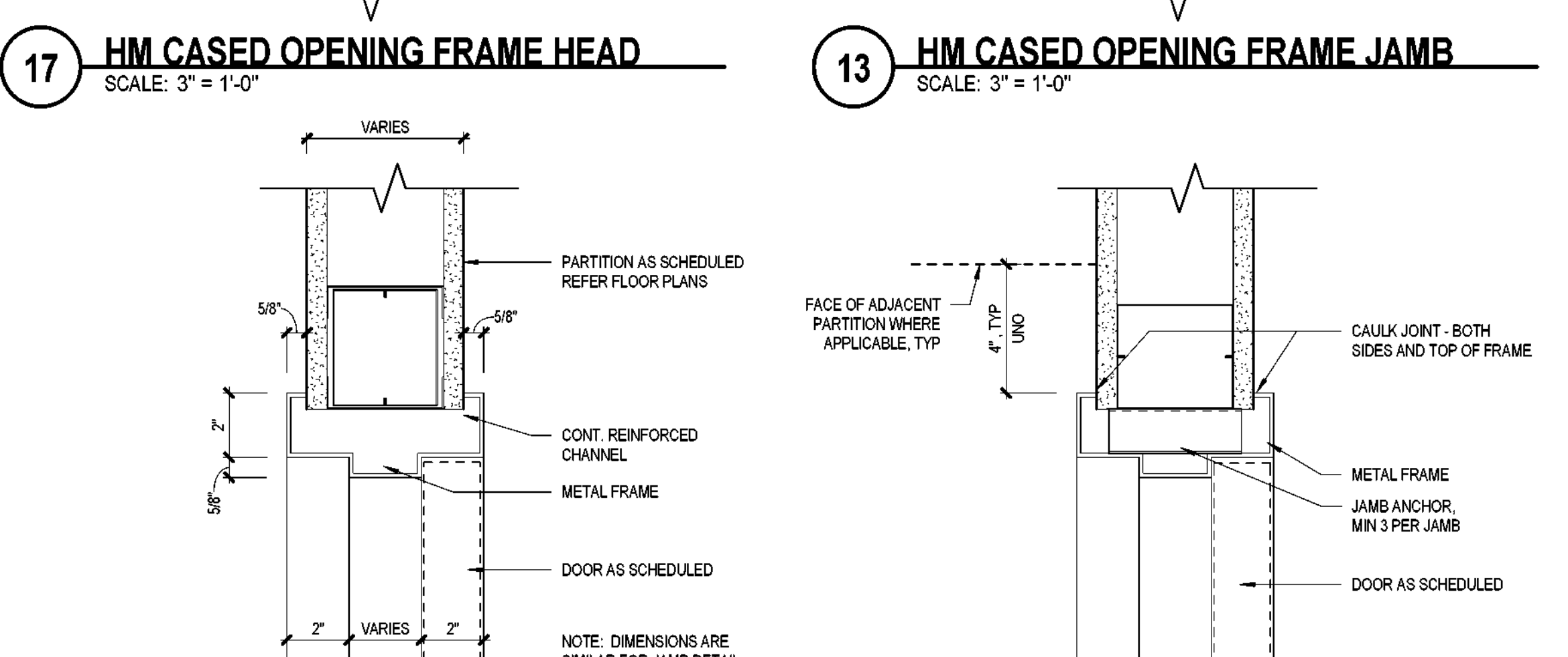
17 HM CASOD OPENING FRAME HEAD SCALE: 3" = 1'-0"
13 HM CASOD OPENING FRAME JAMB SCALE: 3" = 1'-0"



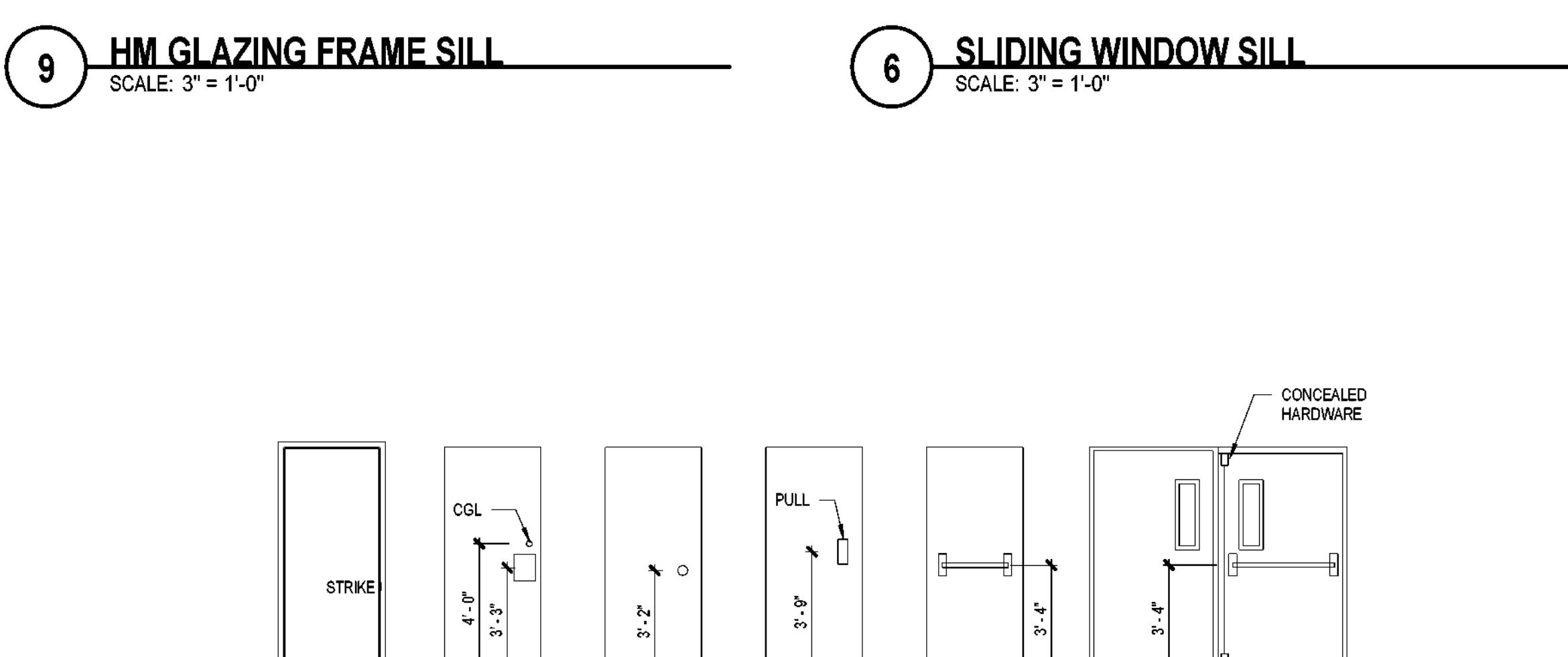
9 HM GLAZING FRAME SILL SCALE: 3" = 1'-0"
6 SLIDING WINDOW SILL SCALE: 3" = 1'-0"



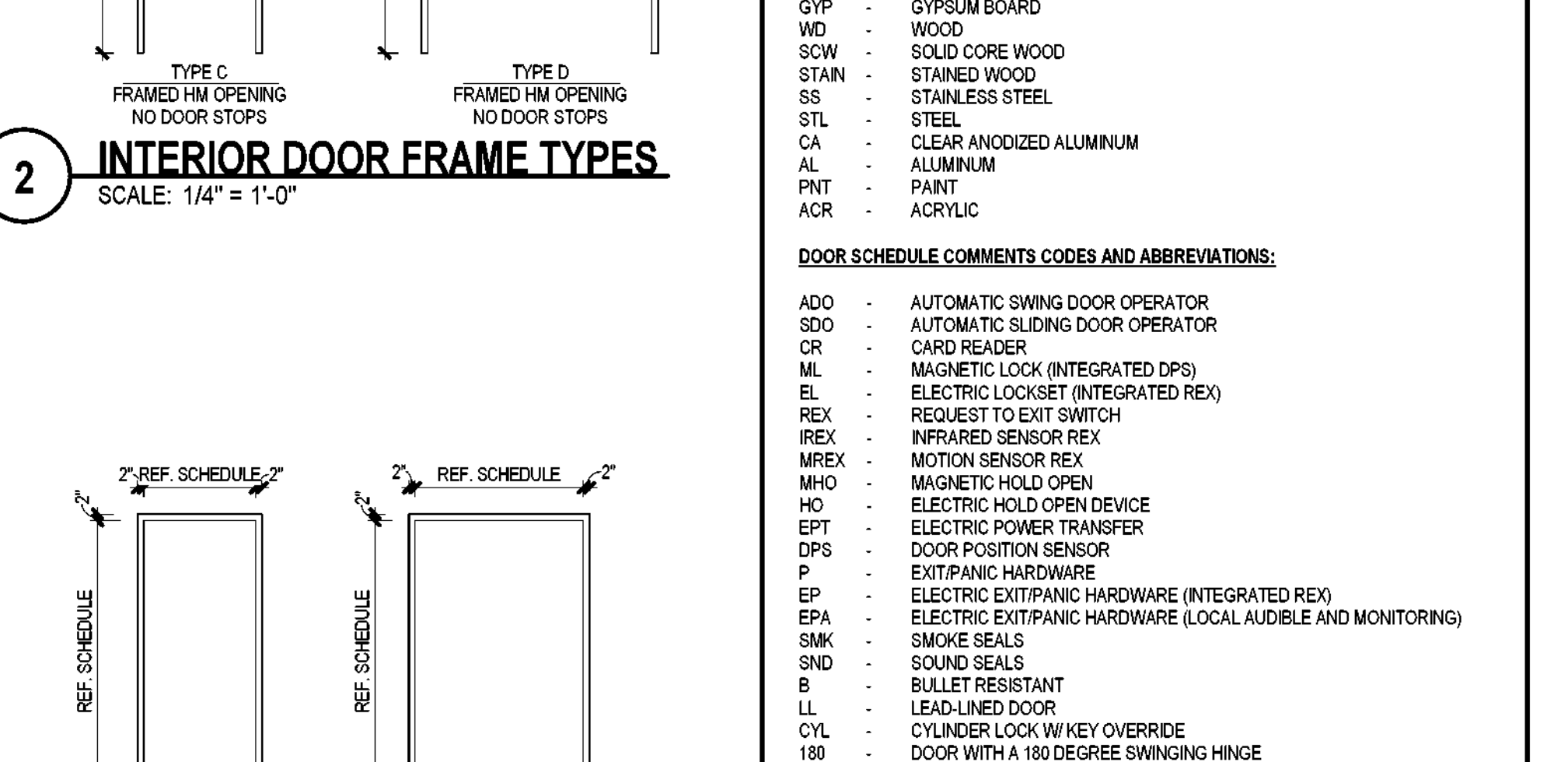
2 INTERIOR DOOR FRAME TYPES SCALE: 1/4" = 1'-0"



16 HM FRAME HEAD SCALE: 3" = 1'-0"
12 HM FRAME JAMB SCALE: 3" = 1'-0"



5 HARDWARE MOUNTING HEIGHTS SCALE: 1/4" = 1'-0"



1 EXTERIOR DOOR FRAME TYPES SCALE: 1/4" = 1'-0"

DOOR & FRAME GENERAL NOTES

- 1. FOR GENERAL NOTES REGARDING DOORS AND DOOR FRAMES SEE SHEET A-611.
2. FOR DETAILS RELATING TO THE HEAD, JAMB, AND SILL FOR EACH DOOR TYPE, REFERENCE SHEET A-611.
3. LOCATE DOOR FRAMES WITH THE HINGE SIDE OF THE JAMB 4" FROM THE CORNER OF THE SPACE UNLESS SHOWN CENTERED IN THE WALL OR DIMENSIONED OTHERWISE. REFER TO DRAWING SHEET A-611 FOR MORE DETAIL.
4. FIRE LABELS ARE UL CLASSIFICATIONS WITH FIRE RATINGS SHOWN IN MINUTES. FIRE RATINGS AND/OR LABELS REQUIRED FOR DOORS APPLY EQUALLY TO THE FRAME AND THE HARDWARE. ANYWHERE A RATING IS SHOWN IN THE SCHEDULE, THE APPLICABLE LABEL SHALL BE APPLIED TO THE DOOR, THE FRAME, AND THE HARDWARE THAT IS TO BE USED ON SAID DOOR.
5. SIZE ALL FRAME THROAT DIMENSIONS 1/8" GREATER THAN THE ACTUAL PARTITION THICKNESS. ACTUAL THICKNESS INCLUDES ALL MATERIALS LISTED IN THE PARTITION SCHEDULE PLUS ALL OTHER MATERIALS (I.E. LEAD LINING) THAT ARE TO BE BUILT INTO THE PARTITION. DO NOT INCLUDE FINISHES APPLIED TO THE FACE OF THE PARTITION WHEN DETERMINING PARTITION THICKNESS UNLESS NOTED OTHERWISE.
6. ALL HM, WD, AND SOW DOORS ARE TO BE 1 3/4" THICK UNLESS NOTED OTHERWISE.
7. THE GENERAL CONTRACTOR IS TO COORDINATE THE INSTALLATION OF CARD READERS, ELECTRONIC LOCKING DEVICES, FIRE ALARMS, AUTO OPERATORS, AND ALL OTHER MONITORING DEVICES WITH THE DOOR AND FRAME HARDWARE.
8. FOR LEAD LINED DOORS, REFERENCE HEAD AND JAMB DETAILS FOR IN-WALL STEEL AND TUBE SUPPORTS. SEE SHEET A-611.
9. LEAD LINING, RF SHIELDING, AND ACOUSTICAL RATINGS REQUIRED FOR A GIVEN DOOR APPLY EQUALLY TO THE FRAME, GLAZING (IF PRESENT), AND THE HARDWARE.
10. PROVIDE A 3/4" UNDERCUT AT ALL TOILET ROOM DOORS. TYP.
11. THE UNDERCUT ON FIRE RATED DOORS (IF REQUIRED) SHALL NOT EXCEED 3/4".
12. ALL GLAZING USED IN THE INTERIOR DOORS SHALL BE LAMINATED TEMPERED SAFETY GLASS UNLESS NOTED OTHERWISE.
13. FOR ANY FIRE RATED DOORS THAT REQUIRE GLAZING, SAID GLAZING SHALL HAVE THE SAME RATINGS AS THE DOOR ITSELF AND SHALL NOT BE "WIRE GLASS".
14. FOR SITE ACCESS GATE DOOR AND DOOR TAG LOCATIONS REFER TO THE BALANCED SITE PLAN SHEET AS-SERIES.
15. ALL DOORS THAT ARE TO RECEIVE PANIC HARDWARE (ELECTRIFIED OR NOT) SHALL HAVE CONCEALED VERTICAL RODS WITHIN THE DOOR LEAF.
16. ALL MAG LOCKS SHALL BE SUPPLIED WITH A DC POWER ADAPTER.
17. FOR ALL OTHER DOOR SCHEDULE ABBREVIATIONS SEE LISTS BELOW.

DOOR & FRAME LEGEND

Table with columns: SYMBOL, DESCRIPTION, and corresponding door/frame symbols.

DOOR SCHEDULE FINISH AND MATERIAL ABBREVIATIONS:

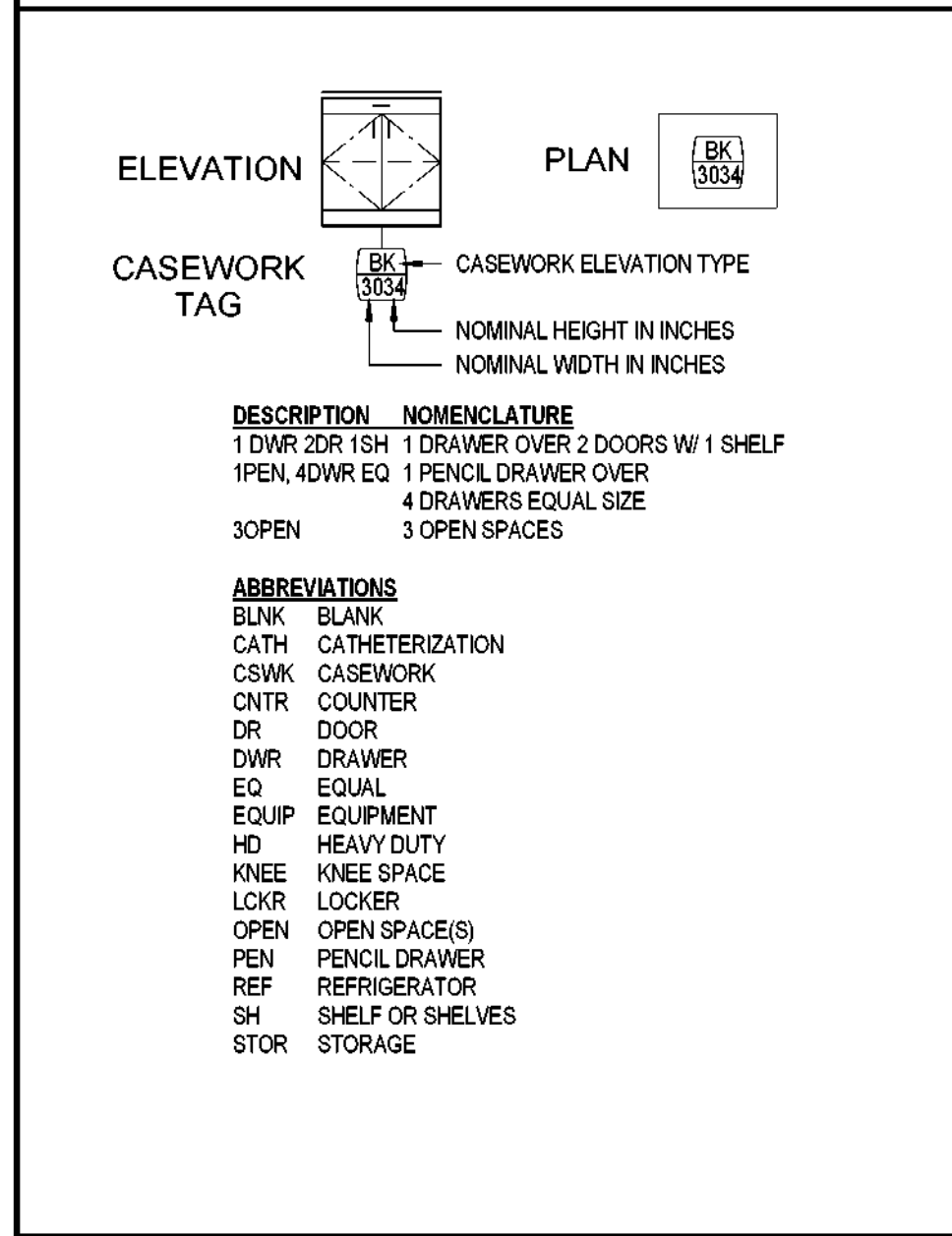
Table listing abbreviations for materials like HM (Hollow Metal), PLM (Plastic Laminate), CGL (Clear Glass), etc.

DOOR SCHEDULE COMMENTS CODES AND ABBREVIATIONS:

Table listing abbreviations for door types and hardware like ADD (Automatic Swing Door Operator), SDO (Automatic Sliding Door Operator), etc.

FILE PATH: \\pspi\Autodesk Docs\32AC23037-Greiner Exploratory Arts Academy\32AC23037-A-R23-CENTRAL.rvt
USER NAME: 12/2/2024 11:56:03 AM

CASEWORK LEGEND



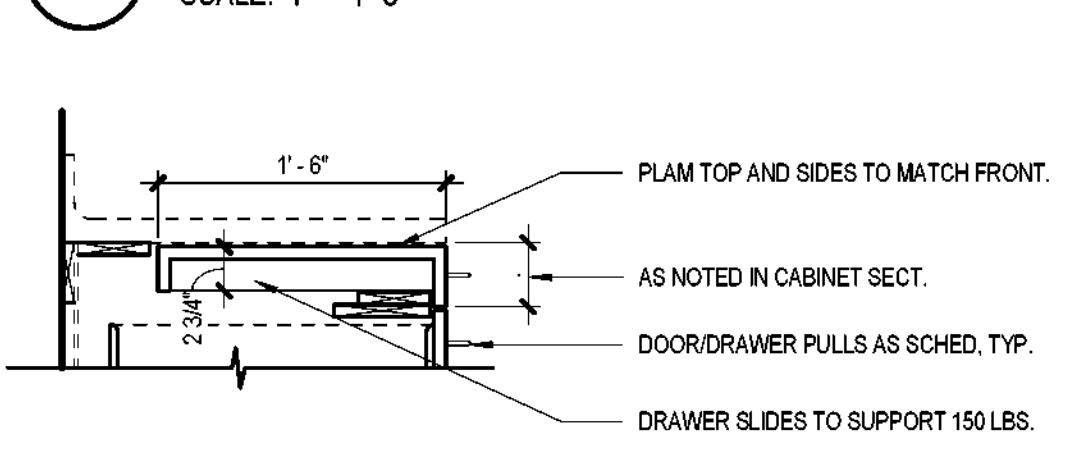
CASEWORK GENERAL NOTES

- 1. ALL CASEWORK SHOWN ON THIS SHEET IS PLASTIC LAMINATE CLAD UNO.
- 2. ALL EXPOSED SURFACES AND EDGES SHALL RECEIVE PLASTIC LAMINATE AS SCHED. ALL SEMI-EXPOSED SURFACES AND EDGES SHALL RECEIVE WHITE MELAMINE UNO. TYP.
- 3. CABINET WIDTHS ARE BASED ON MODULE INCREMENTS OF 3 INCHES FROM 12 TO 36 INCHES WIDE CABINETS AND 6 INCH INCREMENTS FOR 36 TO 48 INCHES OF WIDE CABINETS.
- 4. ALL COUNTERTOPS SHALL BE PLASTIC LAMINATE UNO. PROVIDE 3/4" PLVMD SUBSTRATE FOR ALL WET LOCATIONS. 3/4" MDF AT OTHER LOCATIONS. UNO. REFER TO 1, 2, 3, AND 4A-701 FOR COUNTERTOP DETAILS. 1A-701 IS TYPICAL COUNTERTOP DETAIL UNO ON ELEVATIONS.
- 5. REFER TO 5, 6, 7, AND 8A-701 FOR SOFFIT/FURR DOWN DETAILS. 5A-701 IS TYPICAL SOFFIT/FURR DOWN DETAIL UNO ON ELEVATIONS.
- 6. REFER TO SHEET A-701 FOR TYP CASEWORK DETAILS.
- 7. REFER TO SHEET A-701 FOR TYP CASEWORK DETAILS.
- 8. INSTALL 3/4" THK BACKSPLASHES AT ALL LOCATIONS UNO. INSTALL 3/4" INCH SPLASHES WHEN COUNTER IS ADJACENT TO A PARTITION OR TALLER CASEWORK. LAMINATE ALL EXPOSED EDGES TO MATCH COUNTERTOP. BACKSPLASH AND END SPLASH TO BE 4" HIGH UNO.
- 9. RADIUS ALL OUTSIDE CORNERS OF COUNTERTOPS 1" UNO AT PLAM COUNTERS. DO NOT RADIUS CORNER IF A FULL HEIGHT REFRIGERATOR IS PLANNED IMMEDIATELY ADJACENT UPPER CABINETS SHALL HAVE FLUSH BOTTOM TO FORM CONTINUOUS POCKET BEHIND FRONT VALENCE FOR LIGHT FIXTURES. BOTTOM OF EXPOSED SIDES 11. SHALL ALIGN WITH FRONT.
- 10. PROVIDE FILLER PANEL WHERE CASEWORK ABUTS WALL OR HEADER ABOVE. 1 INCH MINIMUM TO 3 INCH MAXIMUM WIDTH.
- 11. PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED, EXPOSED CASEWORK OR AT KNEE SPACES.
- 12. OPTION 1: LOCATE GROMMETS 18 INCHES ON CENTER MAX. AT BACK OF COUNTERTOPS ABOVE KNEE SPACE. ONE GROMMET MIN. PER COUNTERTOP RUN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. SHOW GROMMET LOCATIONS ON SHOP DRAWINGS.
- 13. OPTION 2: SCHED GROMMETS SHALL BE INSTALLED IN FIELD. ARCHITECT/OWNER TO DETERMINE LOCATIONS AFTER CASEWORK IS INSTALLED. ESTIMATE 1 GROMMET PER 48" OR FRACTION THEREOF OF COUNTERTOP AND FLOOR MOUNTED BASE CABINETS.
- 14. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK.
- 15. SOME DETAILS ON THIS SHEET MAY NOT BE USED.
- 16. PROVIDE FIRE TREATED WOOD BLOCKING WITH WALL FOR ALL MOUNTED CASEWORK.

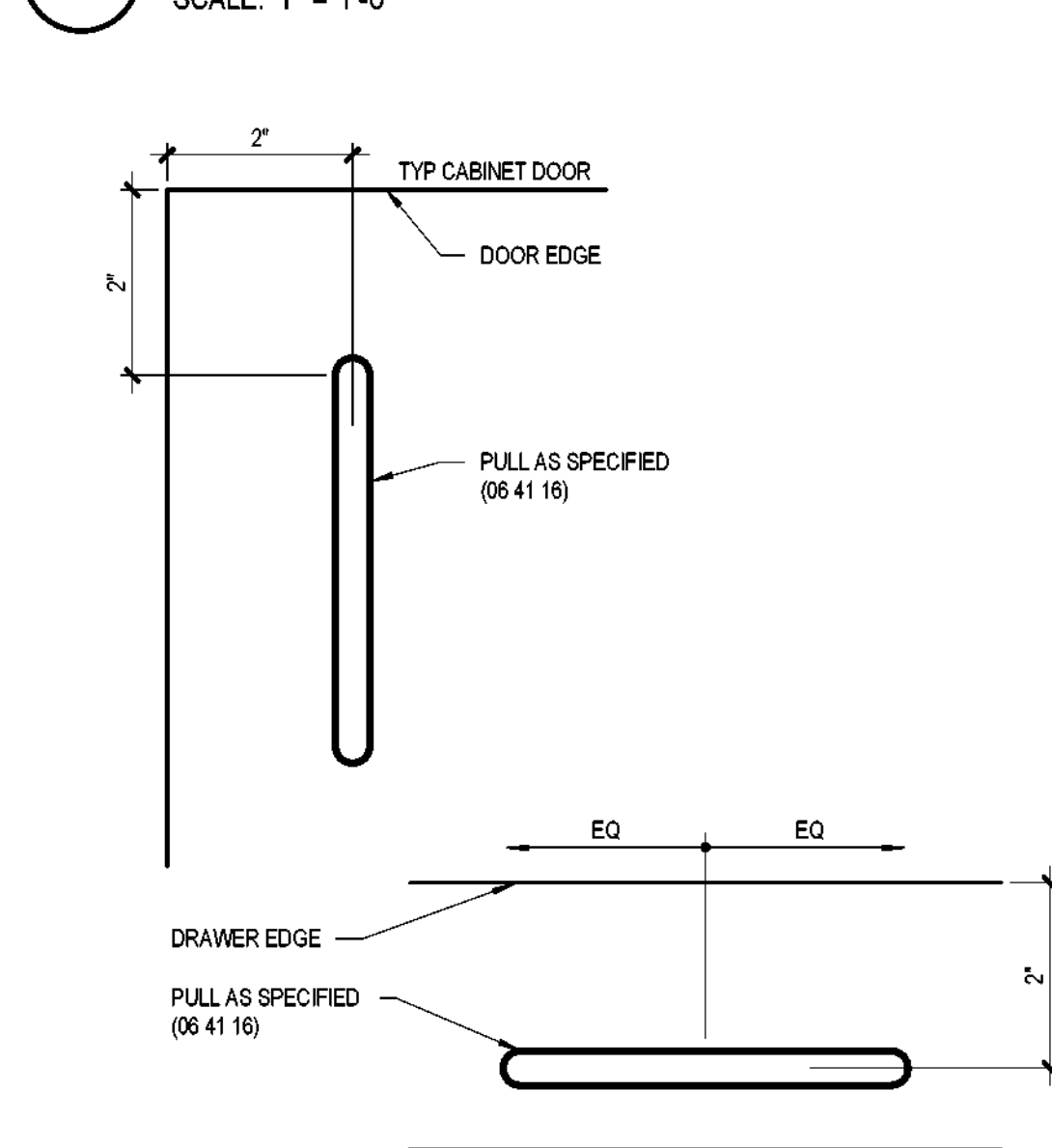
CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC WORKS DEPARTMENT

CITY OF DALLAS
APPROVAL STAMP FOR
PUBLIC WORKS DEPARTMENT

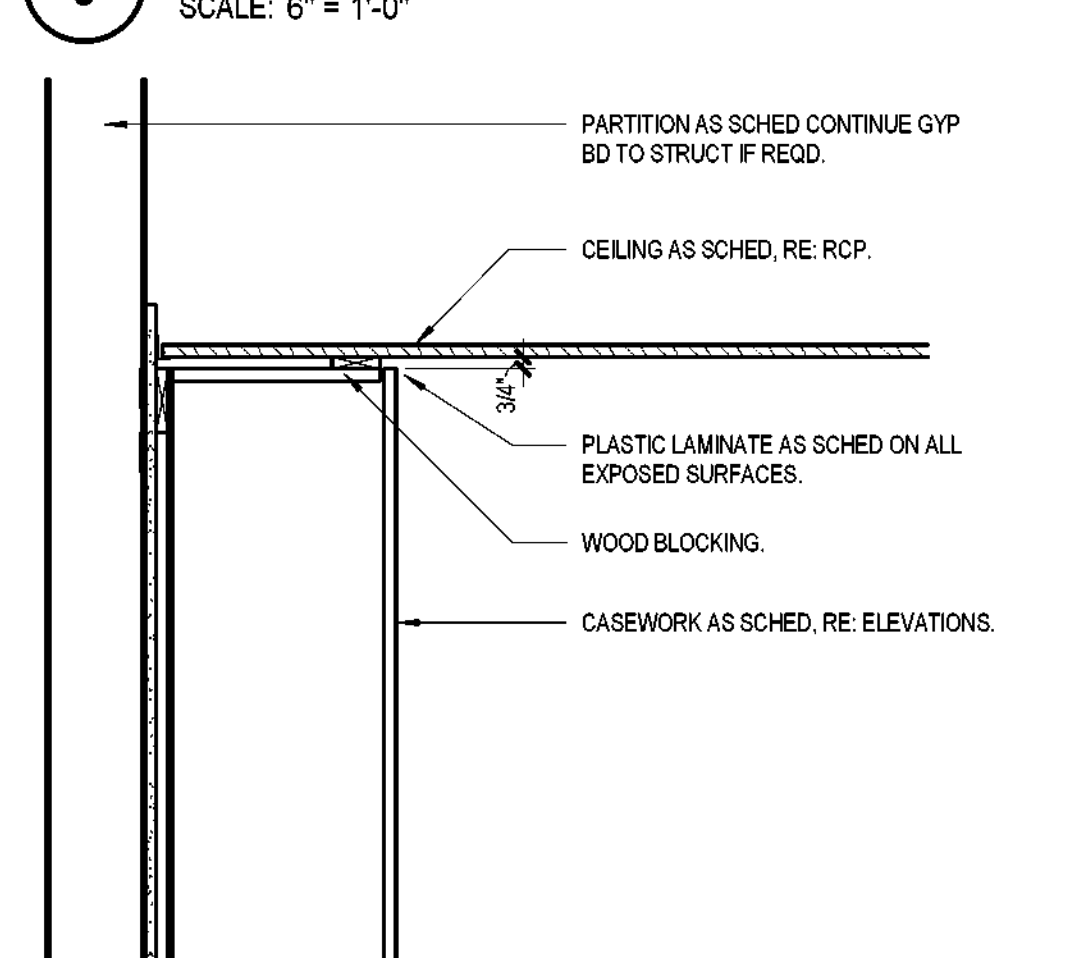
11 TACKABLE SURFACE DETAIL
SCALE: 1" = 1'-0"



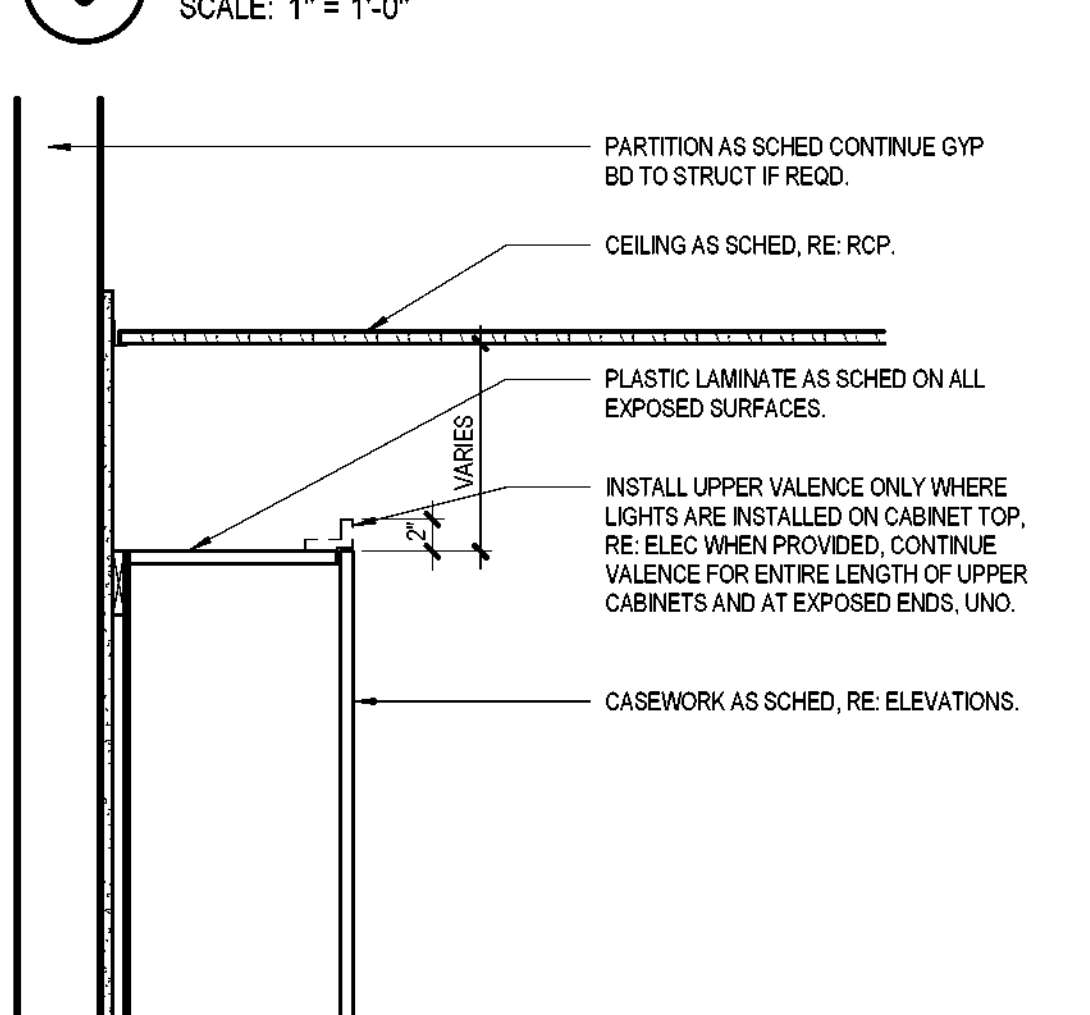
10 WRITING SURFACE DRAWER
SCALE: 1" = 1'-0"



9 TYPICAL PULL LOCATIONS
SCALE: 6\"/>



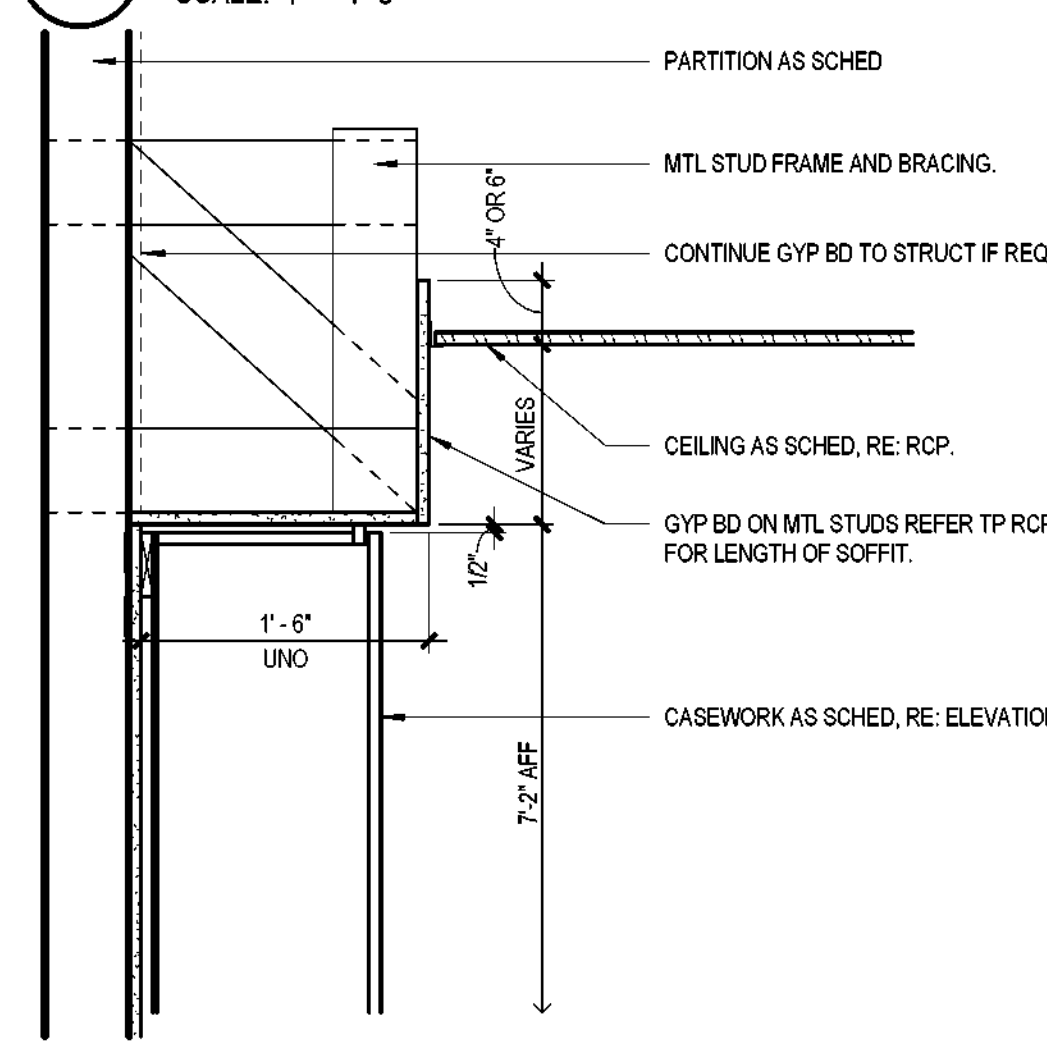
8 SOFFIT DETAIL
SCALE: 1" = 1'-0"



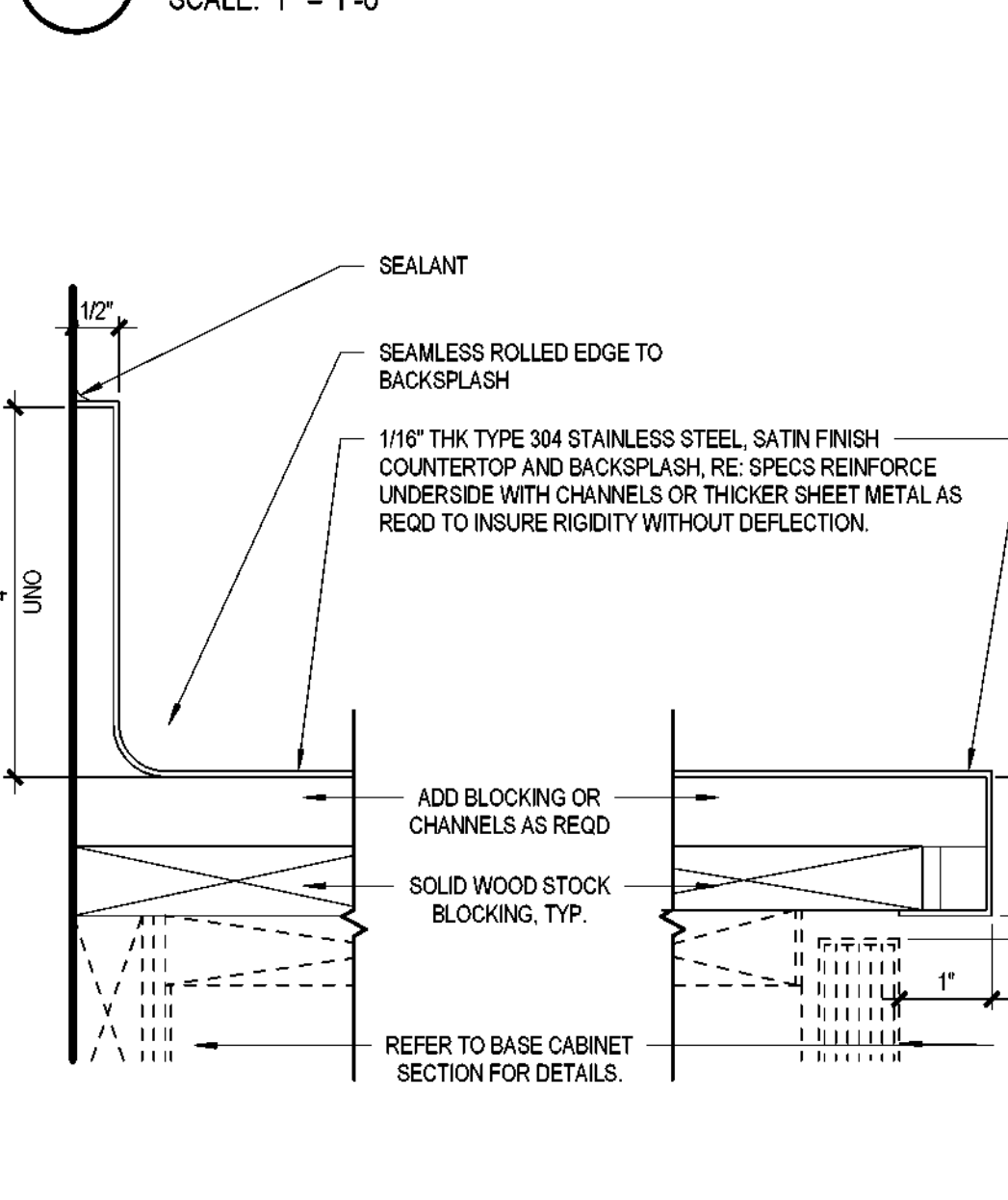
7 SOFFIT DETAIL
SCALE: 1" = 1'-0"



6 SOFFIT DETAIL
SCALE: 1" = 1'-0"



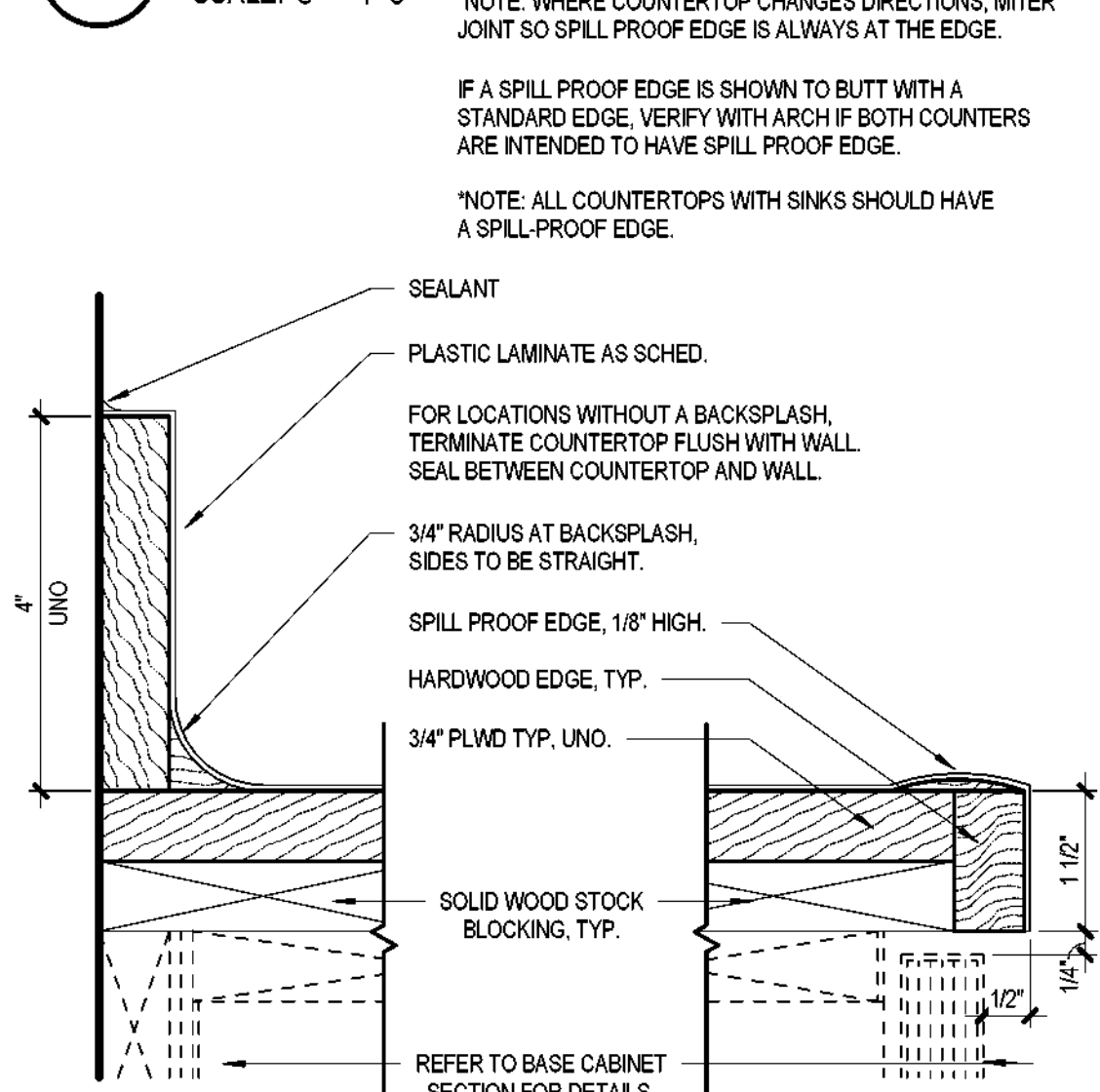
5 TYPICAL SOFFIT DETAIL
SCALE: 1" = 1'-0"



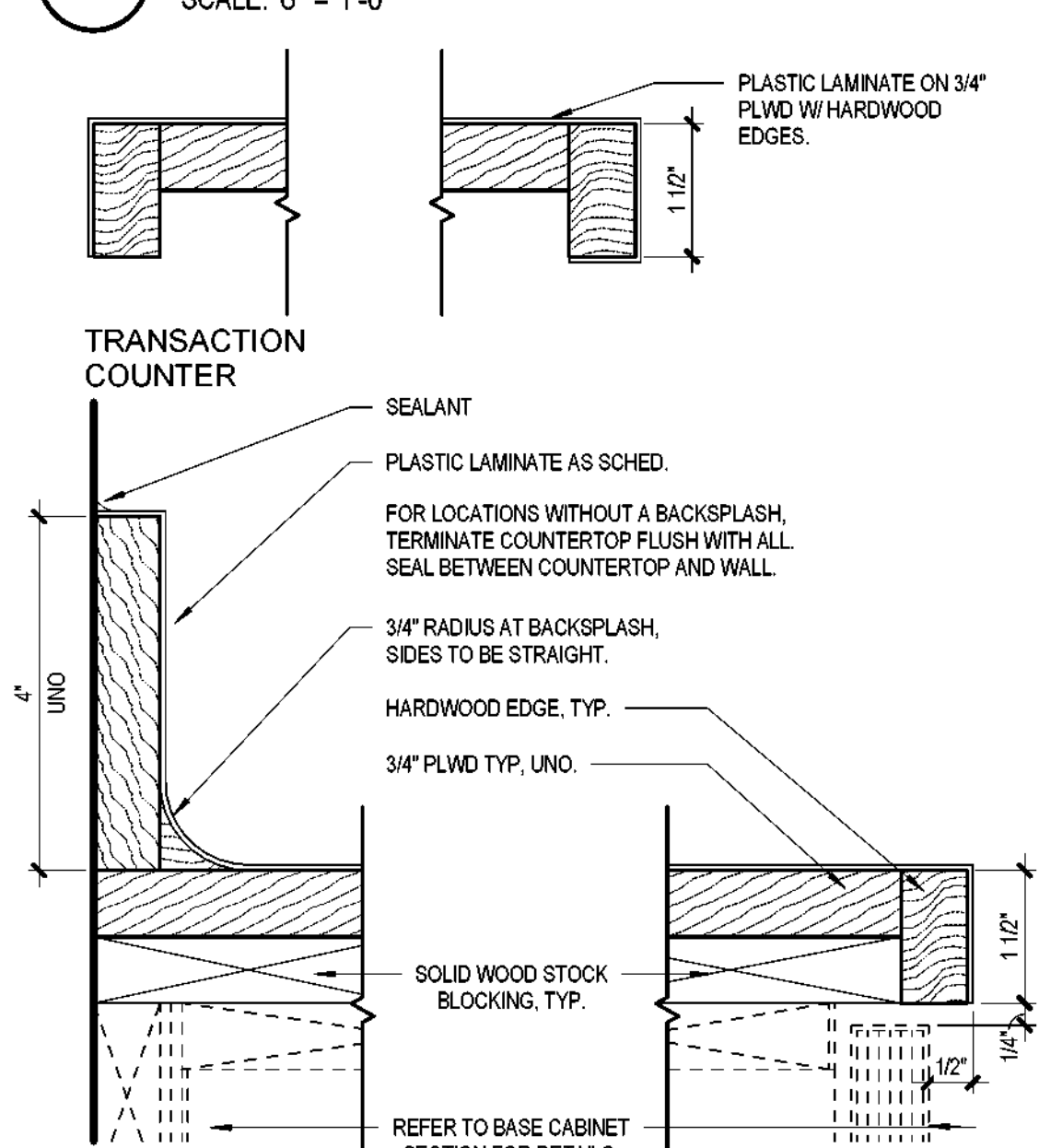
4 COUNTERTOP DETAIL
SCALE: 6\"/>



3 COUNTERTOP DETAIL
SCALE: 6\"/>



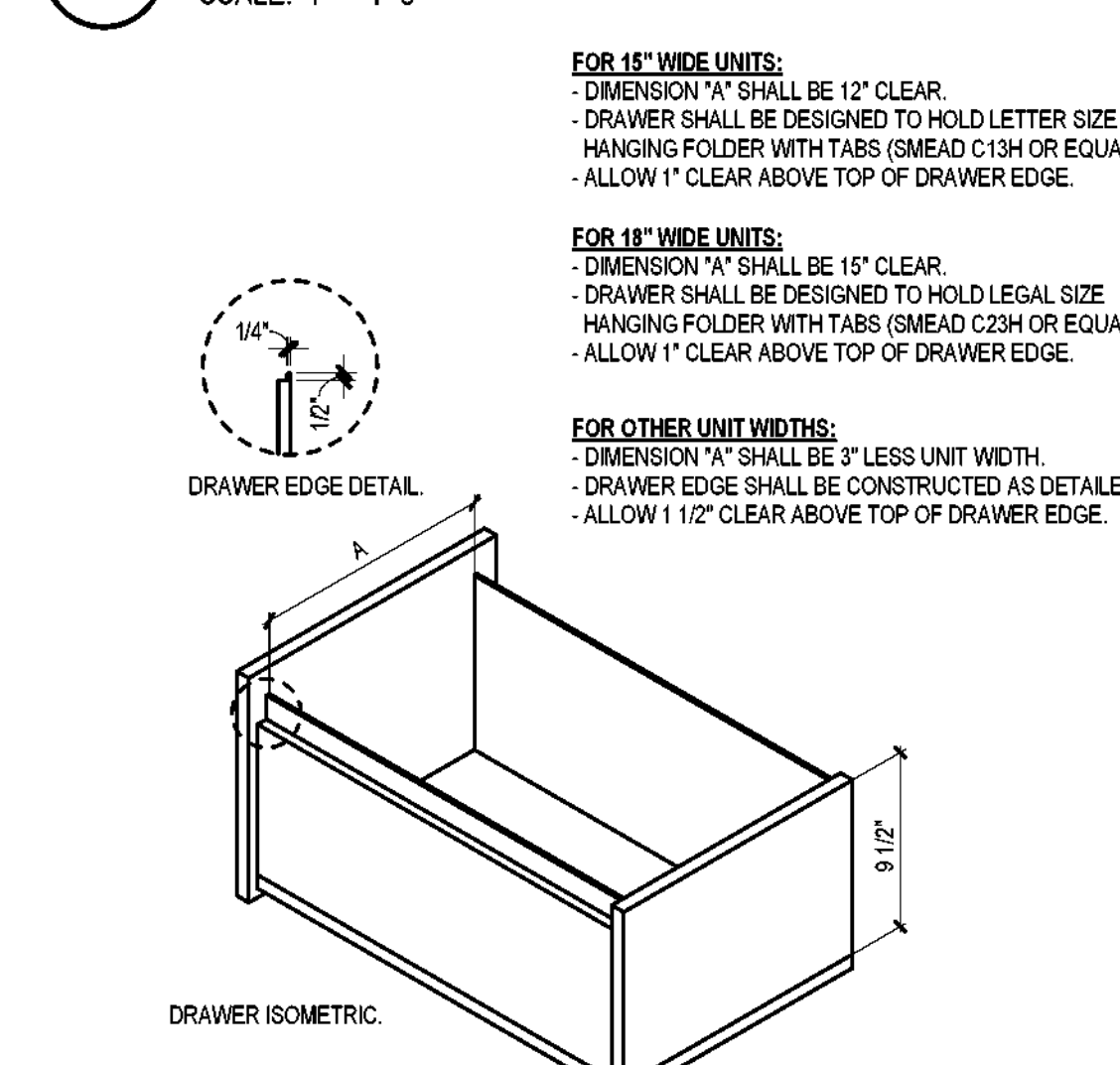
2 COUNTERTOP DETAIL
SCALE: 6\"/>



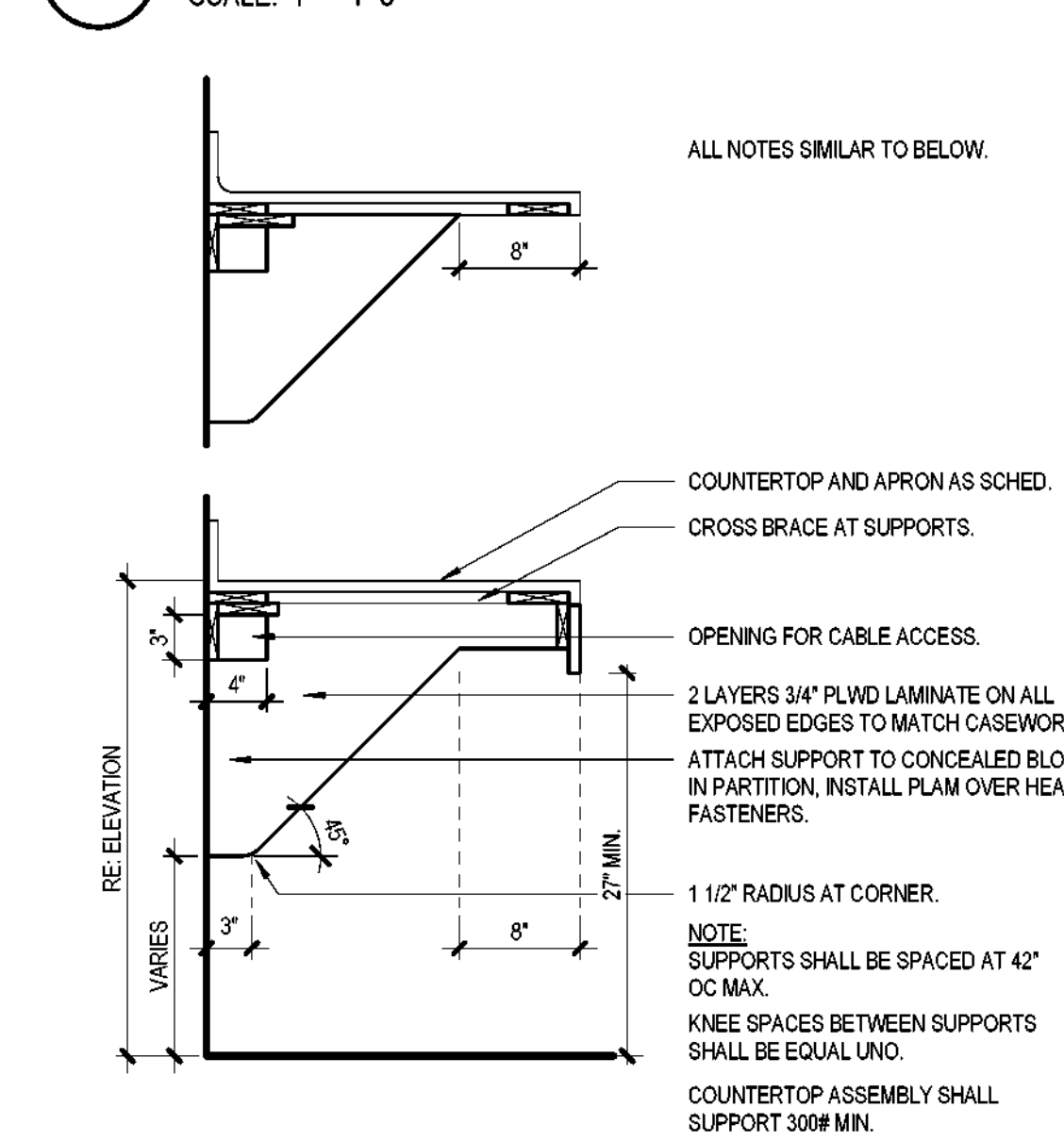
1 TYPICAL COUNTERTOP DETAIL
SCALE: 6\"/>



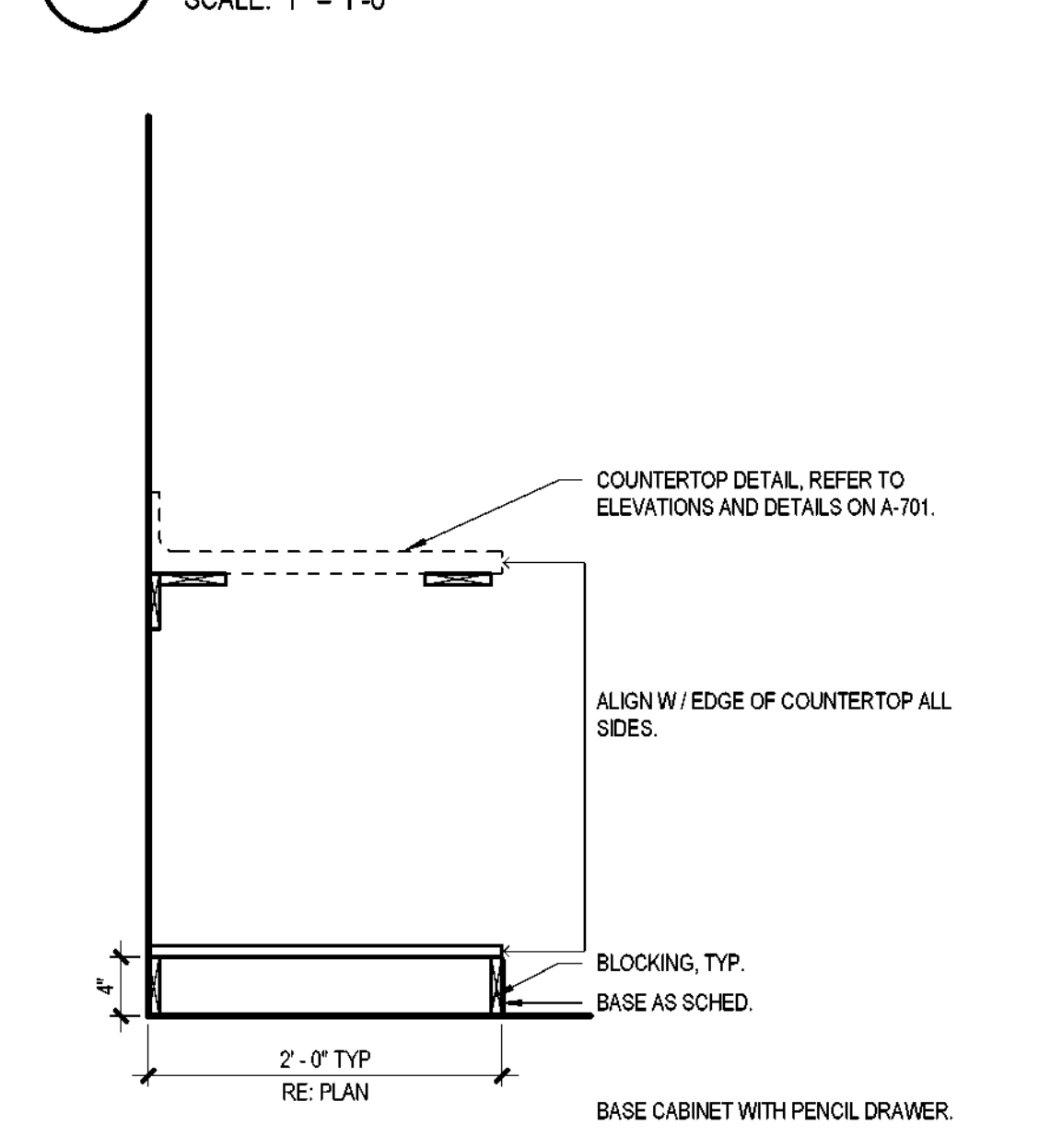
15 WORKSTATION SCREEN WALL
SCALE: 1" = 1'-0"



14 FILE DRAWER DETAILS
SCALE: 1" = 1'-0"



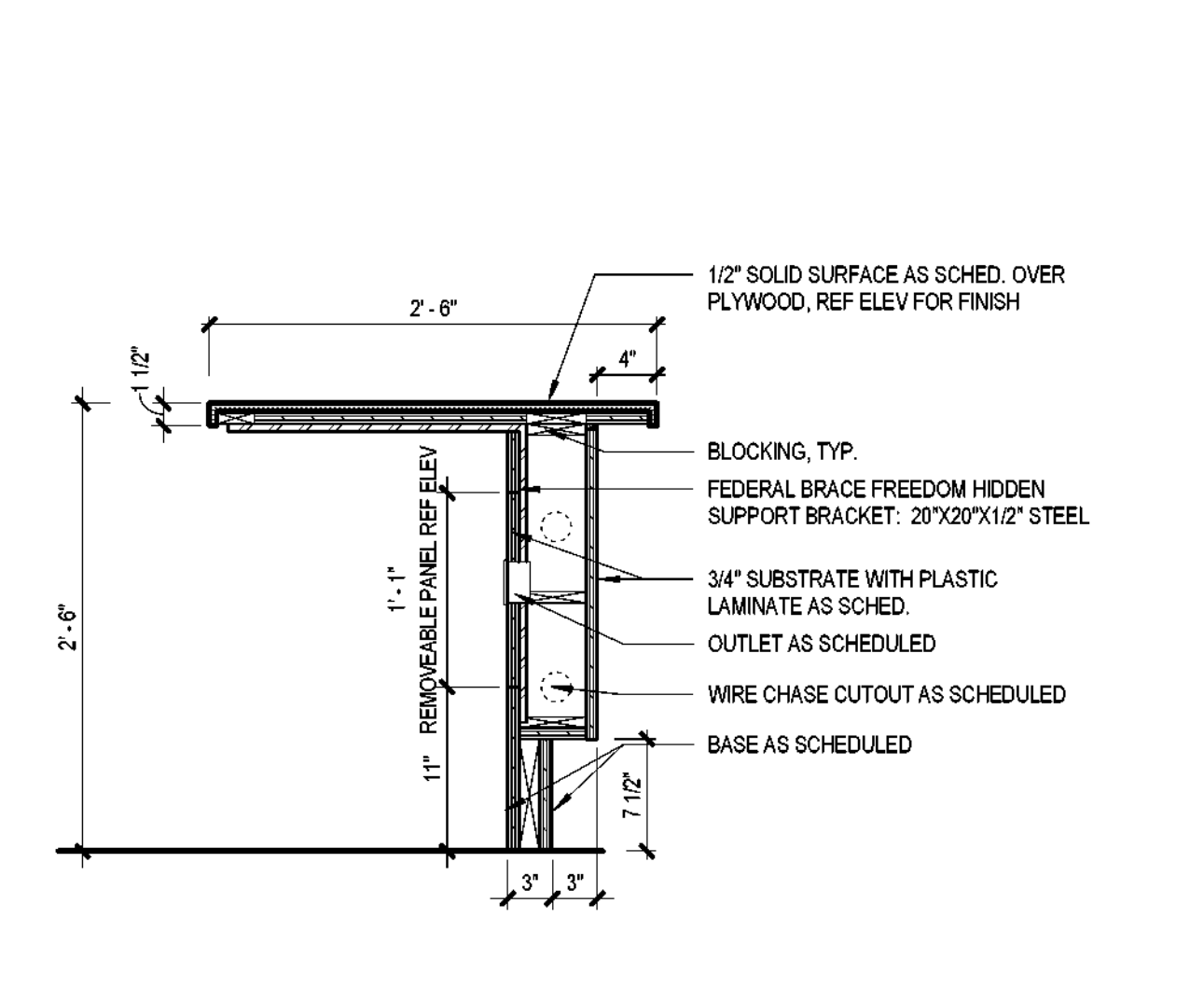
13 TYPICAL COUNTER SUPPORT
SCALE: 1" = 1'-0"



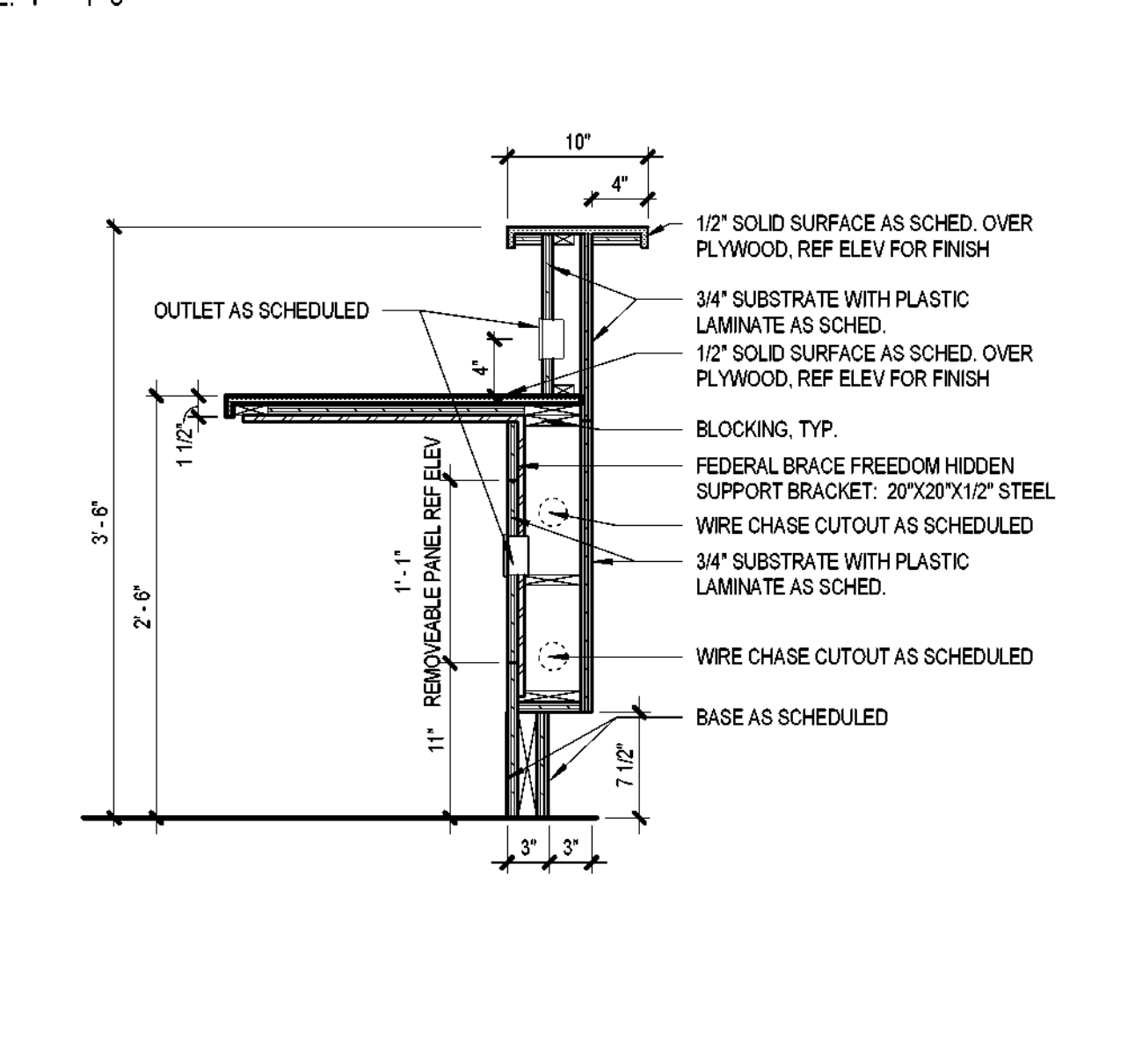
12 CORNER CPU SHELF
SCALE: 1" = 1'-0"



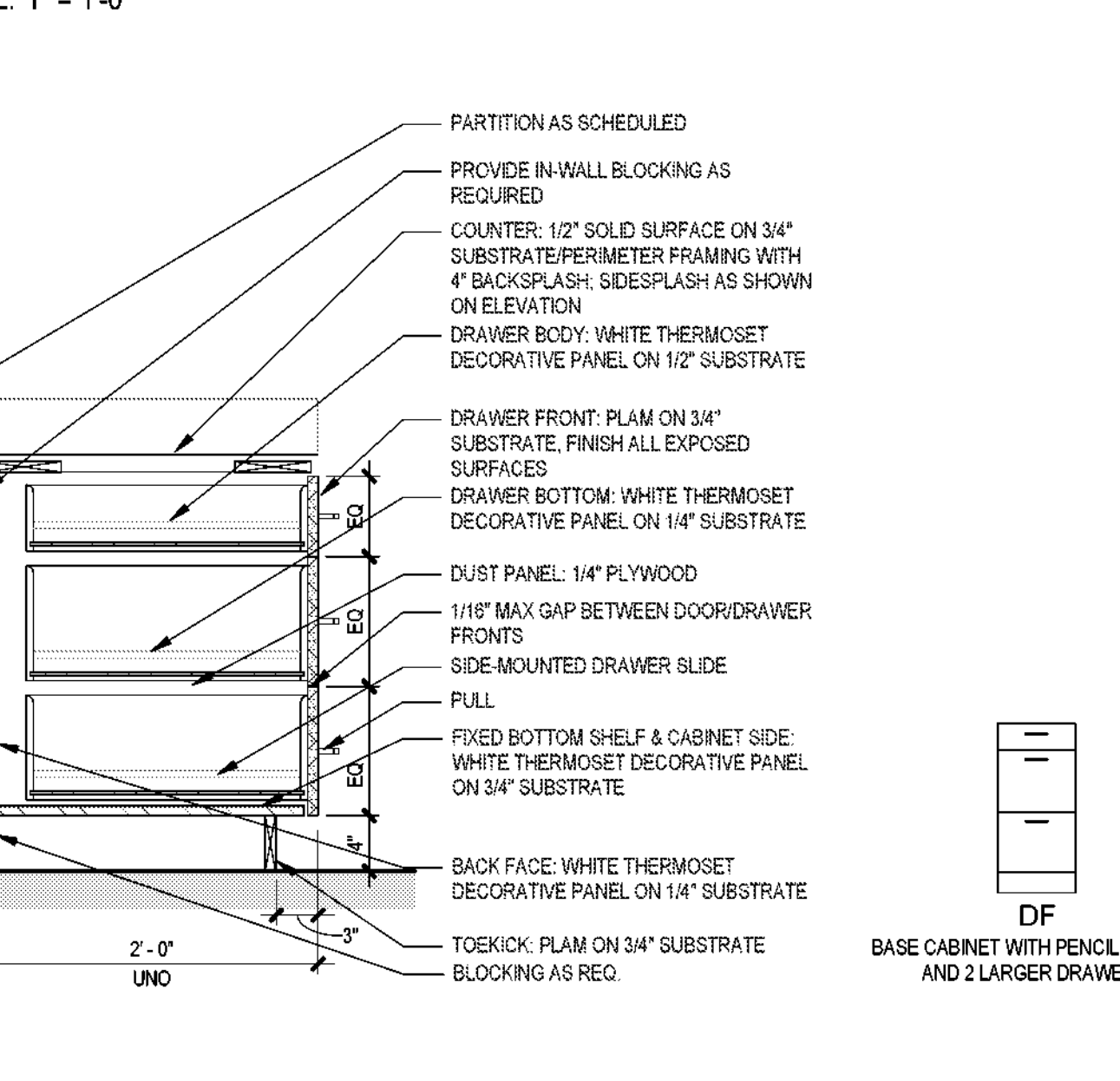
17 MLWK - REGISTRATION DESK - LOW
SCALE: 1" = 1'-0"



18 MLWK - REGISTRATION DESK - TRANSACTION
SCALE: 1" = 1'-0"



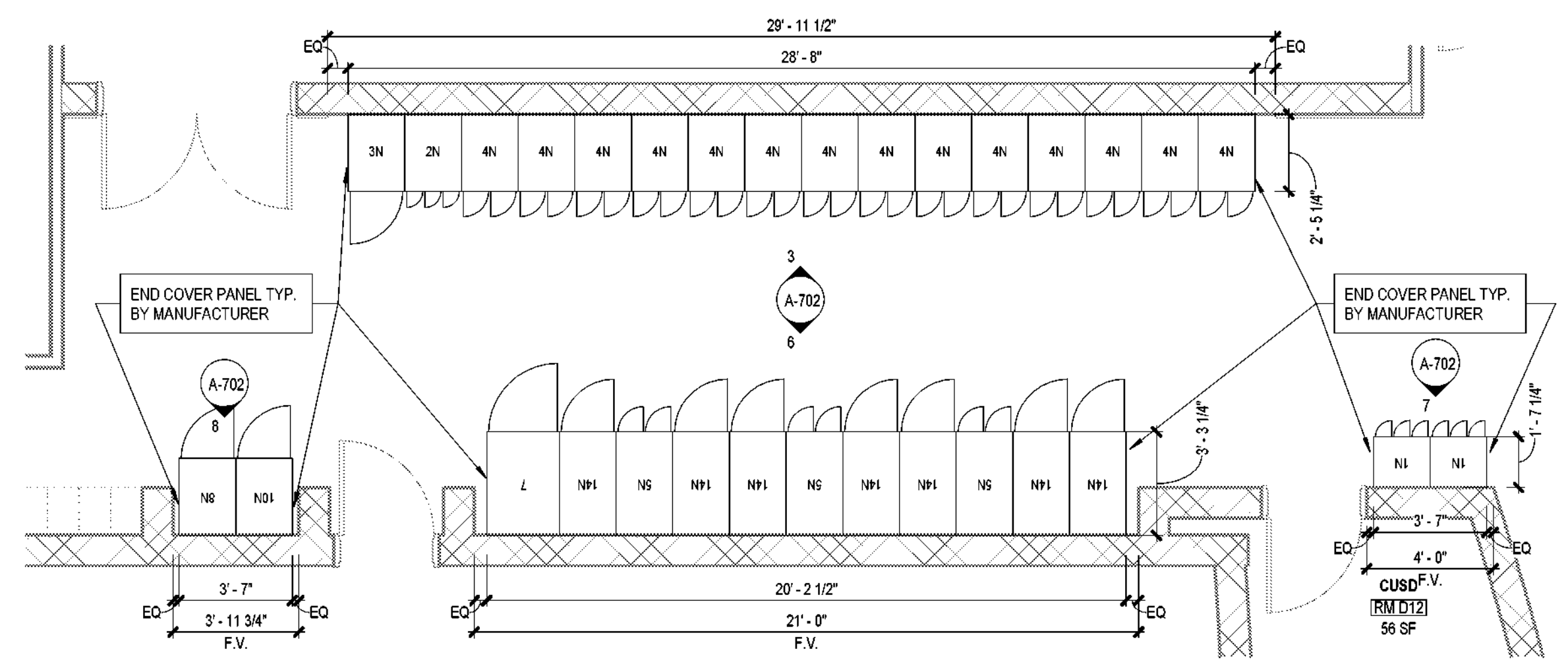
16 BV - 30\"/>



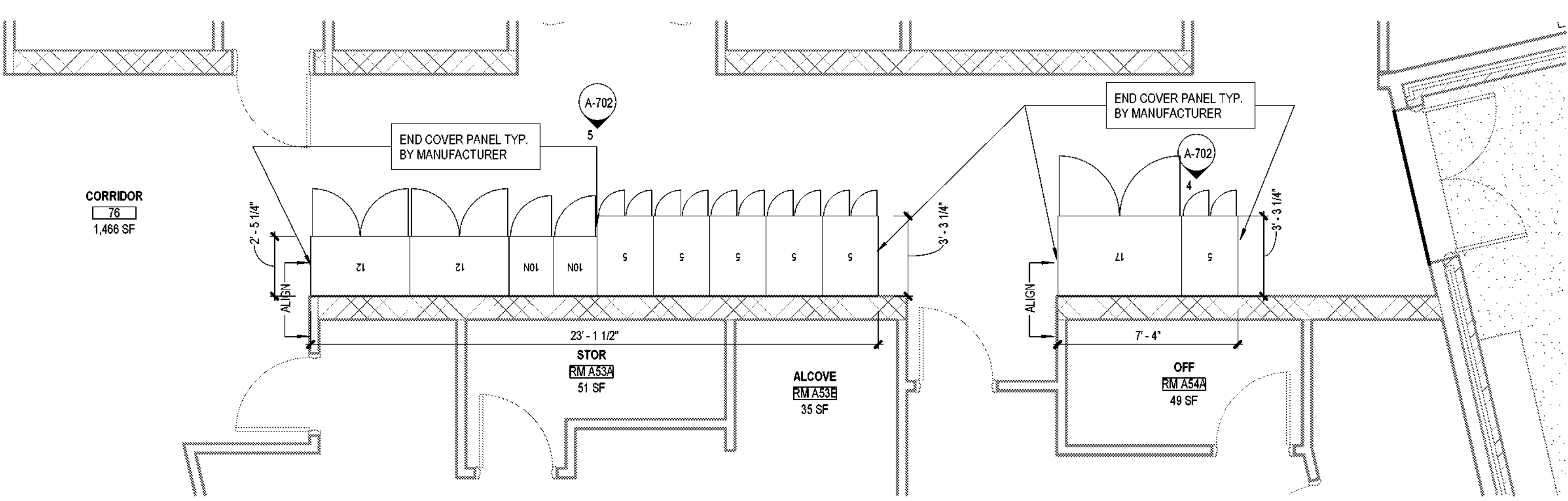
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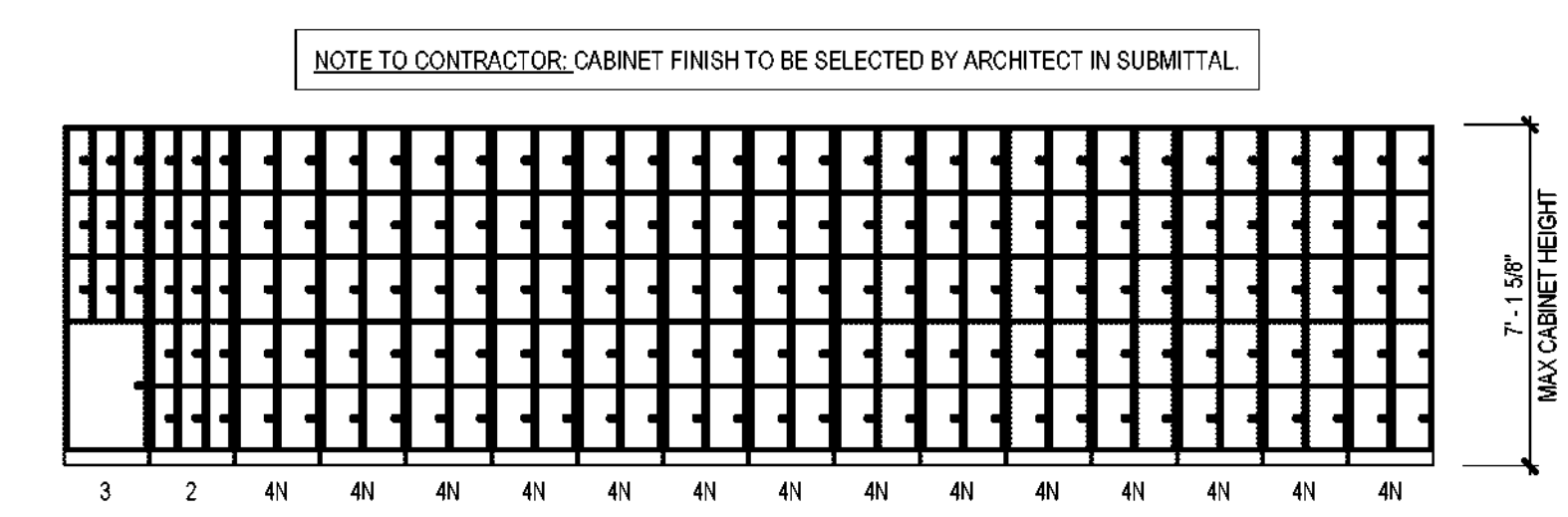


1 ALTERNATE 04 - ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA A - CORRIDOR STORAGE
SCALE: 1/4" = 1'-0"

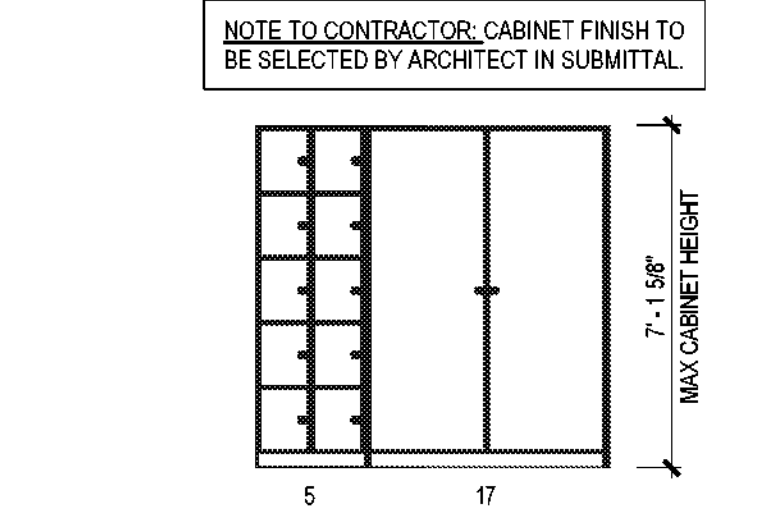


CORRIDOR - 75	DESCRIPTION	QTY.
	1N CABINET	2
	2N CABINET	1
	3N CABINET	1
	4N CABINET	14
	5N CABINET	3
	7 CABINET	1
	8N CABINET	1
	10N CABINET	3
	14N CABINET	7
	TOTAL	34

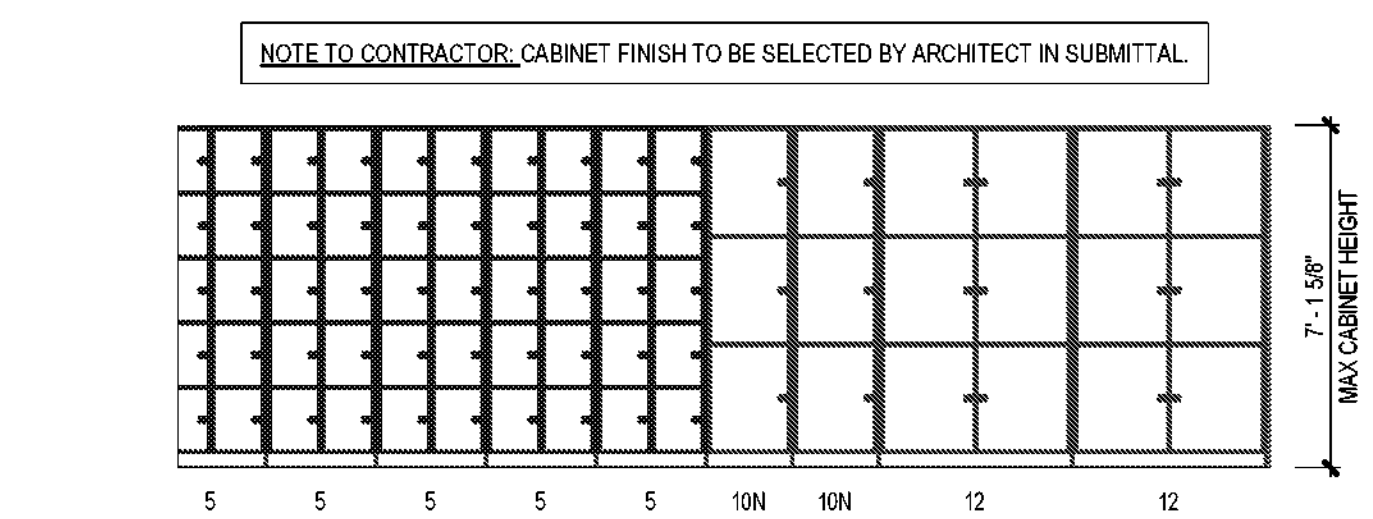
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APPROVAL STAMP FOR
PUBLIC IMPROVEMENT



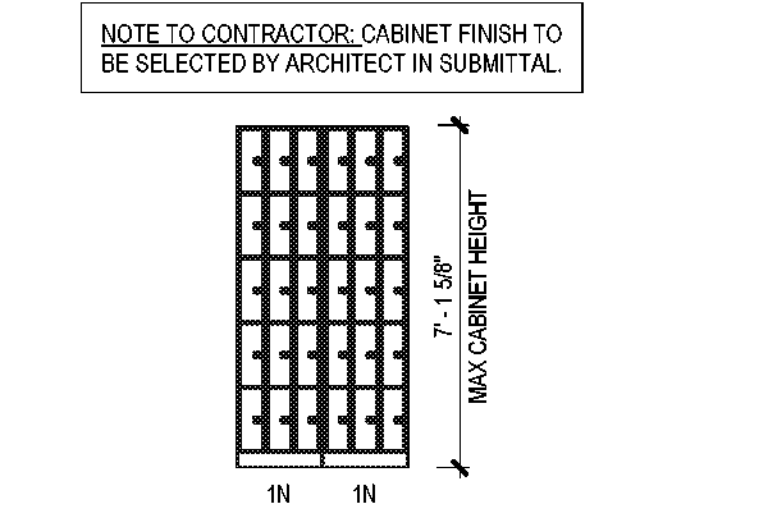
3 CORRIDOR STORAGE - ELEVATION 3
SCALE: 1/4" = 1'-0"



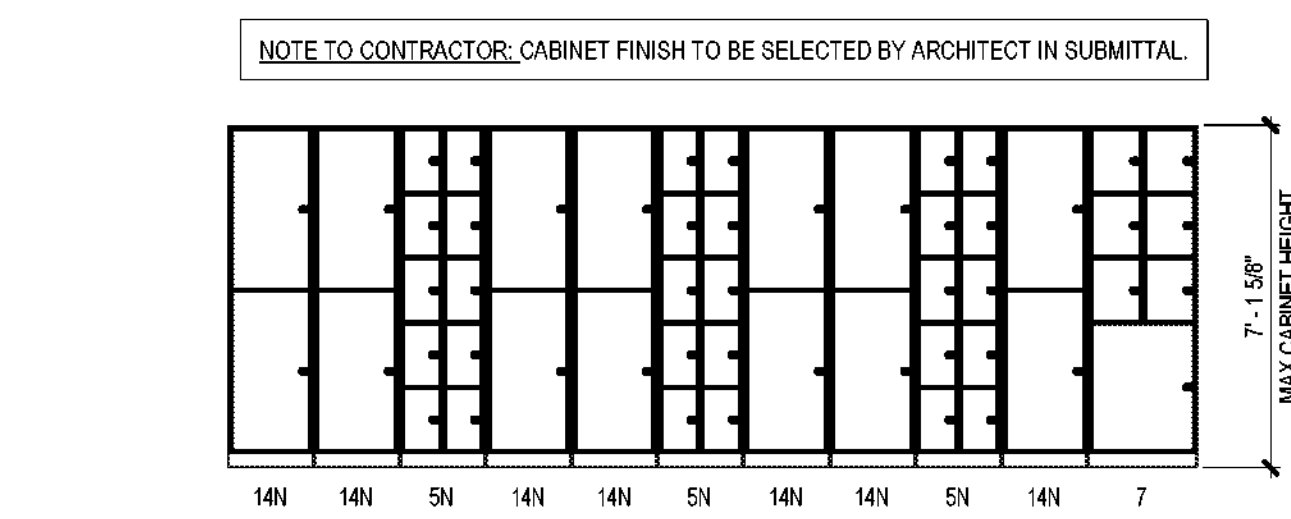
4 CORRIDOR STORAGE - ELEVATION 4
SCALE: 1/4" = 1'-0"



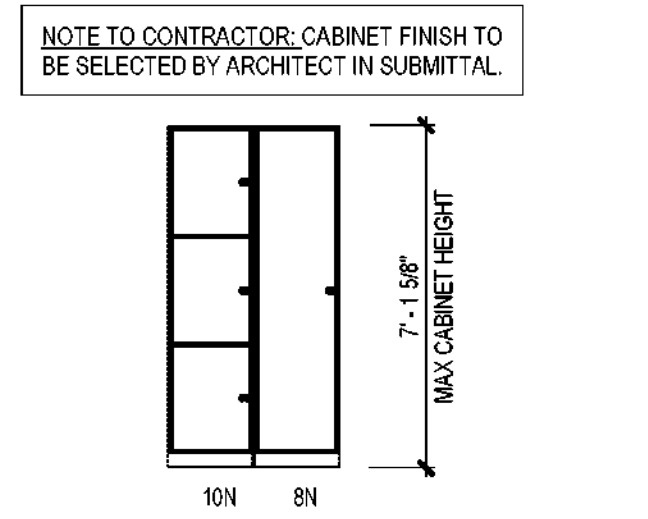
5 CORRIDOR STORAGE - ELEVATION 5
SCALE: 1/4" = 1'-0"



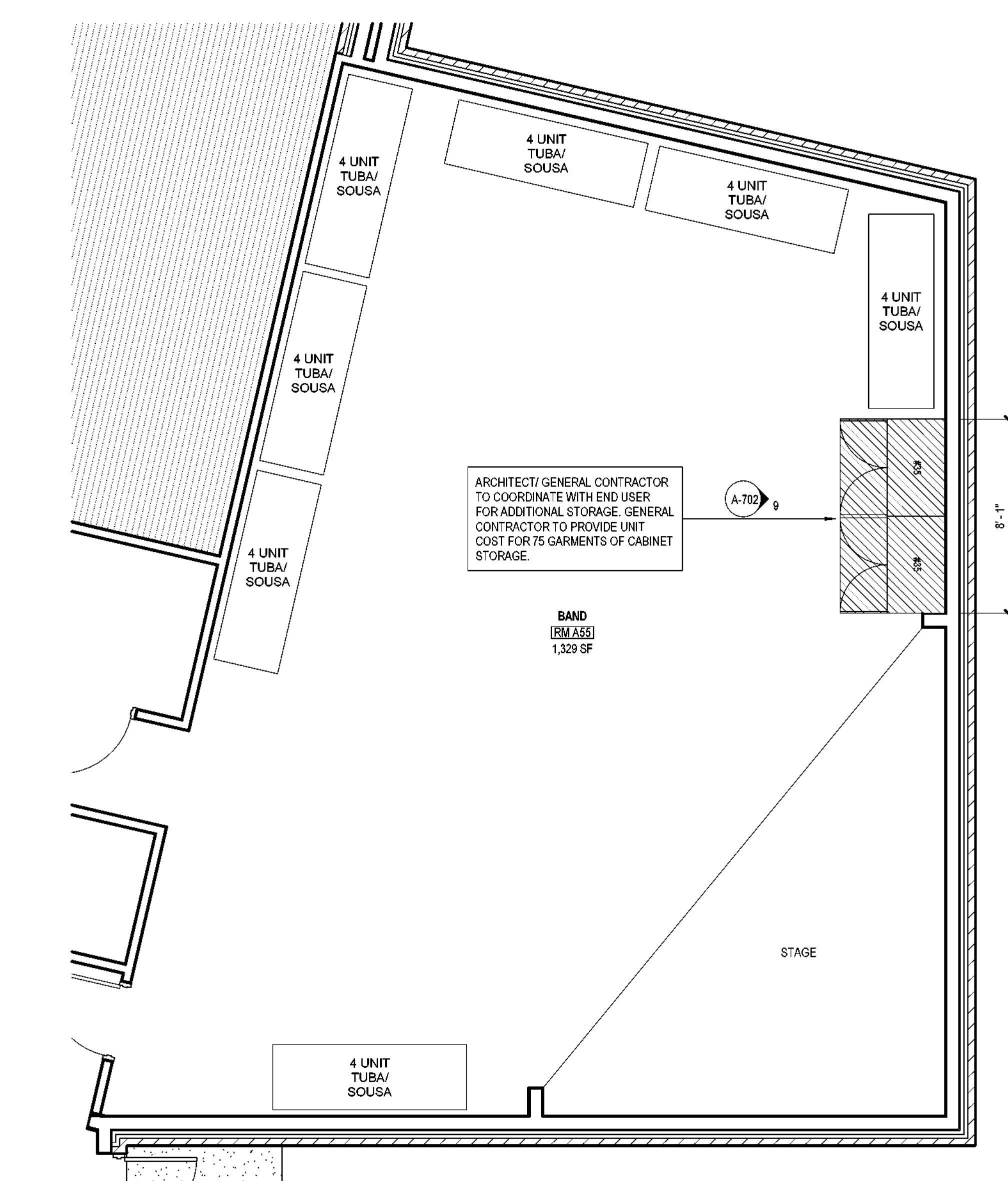
7 CORRIDOR STORAGE - ELEVATION 6
SCALE: 1/4" = 1'-0"



6 CORRIDOR STORAGE - ELEVATION 7
SCALE: 1/4" = 1'-0"

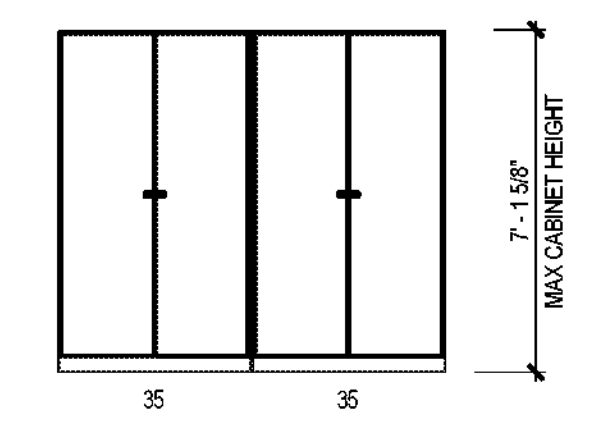


8 CORRIDOR STORAGE - ELEVATION 8
SCALE: 1/4" = 1'-0"

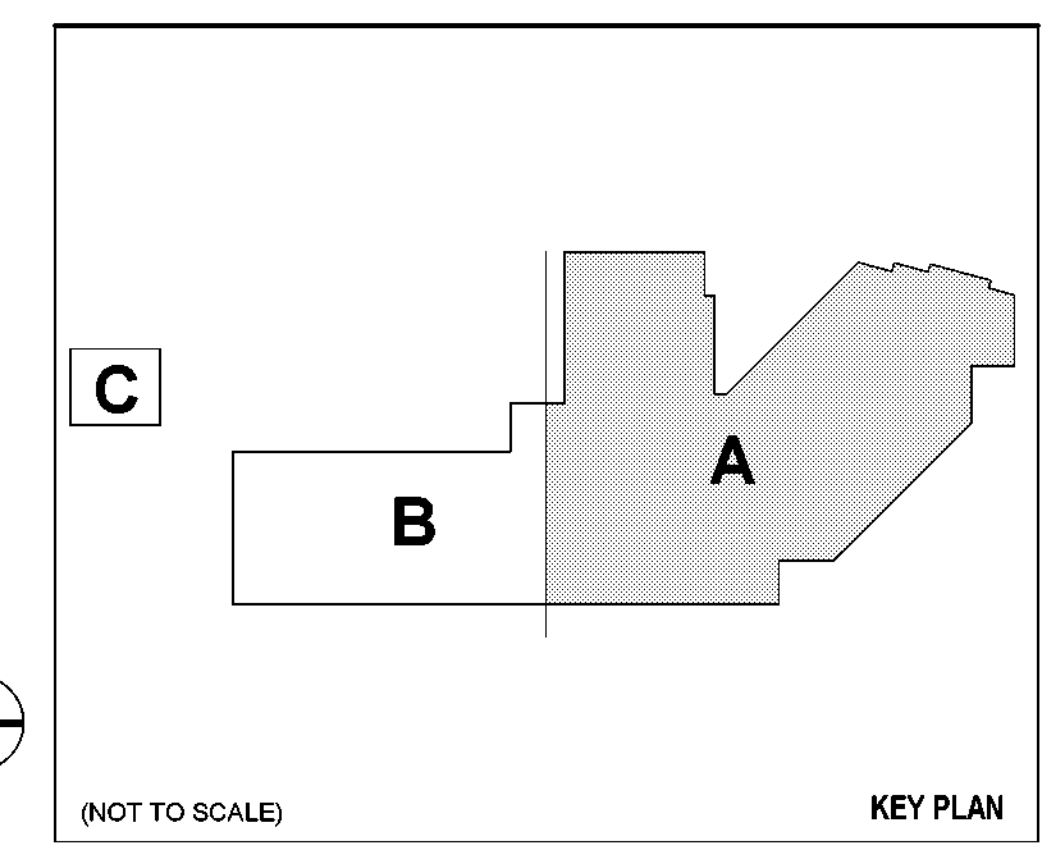


2 ALTERNATE 04 - ARCHITECTURAL - FLOOR PLAN - LEVEL 01 - AREA A - BAND STORAGE
SCALE: 1/4" = 1'-0"

BAND - RM A55	DESCRIPTION	QTY.
See plan note	35 CABINET	2
	4 UNIT TUBA/ SOUSA	7
	TOTAL	9



9 BAND RM A55 - ELEVATION 9
SCALE: 1/4" = 1'-0"



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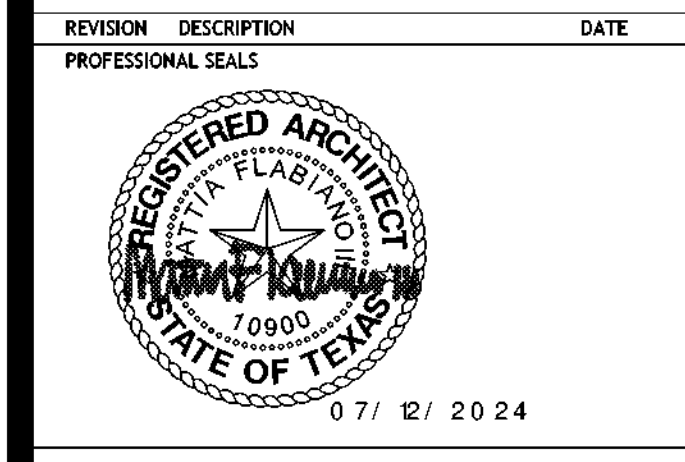
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DALLAS
INDEPENDENT SCHOOL DISTRICT

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501 S Edgewood Ave
Dallas, TX 75208



REVISION HISTORY	
NO.	DESCRIPTION



ARCHITECTURAL - INSTRUMENT STORAGE
DRAWN BY: CS CHECKED BY: CH
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL CODE: DATE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

A-702
SHEET NUMBER

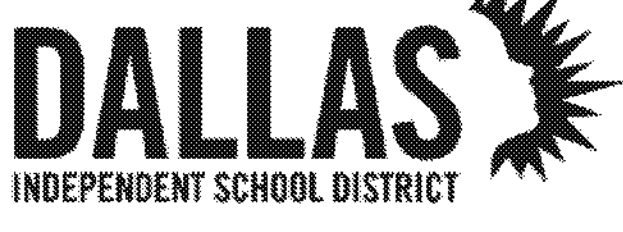
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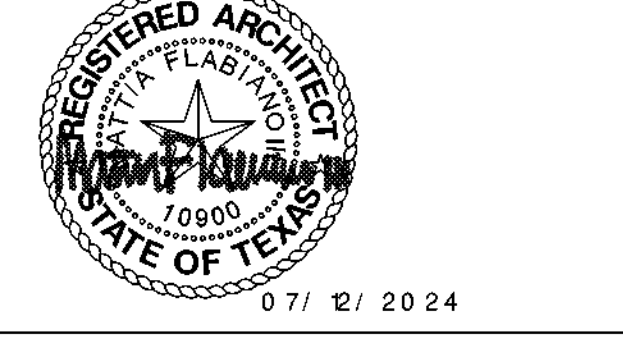


OUR ENGINEER. OUR COMMITMENT. OUR FUTURE.

REVISION HISTORY

REVISION	DESCRIPTION	DATE

PROFESSIONAL SEAL



INTERIORS - ENLARGED RECEPTION AREA - FINISH PLAN & SCHEDULE

DRAWN BY: CS CHECKED BY: ABH
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE DATE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

INTERIOR - FINISH SCHEDULE							CONTACT		
ITEM CODE	MATERIAL	MANUFACTURE	STYLE	COLOR	SIZE	NOTES	NAME	PHONE	EMAIL
Base									
RWB-1	RUBBER BASE	JOHNSONITE (OR APPROVED EQUAL)	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	CUT FROM CONTINUOUS ROLLS ONLY. PERFORMED CORNERS 1/8" THICK WITH 4" RETURNS	NAME: STEPHANIE GLINKA	PHONE: (214)548-9602	EMAIL: stephanie.glinka@arkett.com
Floor									
VCT-1	Vinyl Composition Tile	ARMSTRONG (FIELD VERIFY)	STANDARD LAMINATE (FIELD VERIFY)	MATCH EXISTING (FIELD VERIFY)	MATCH EXISTING (FIELD VERIFY)	REPLACE FOR LIKE	NAME: ERIN WEST	PHONE:	EMAIL: erin.west@ahfproducts.com
FLR-1	Vinyl Composition Tile				MONOLITHIC - MATCH EXISTING ROOM.	CONTRACTOR TO VERIFY DIMENSIONS OF ROOM TO RECEIVE FLOOR TREATMENT.	NAME: ERIN WEST	PHONE:	EMAIL: erin.west@ahfproducts.com
TIL-1	FLOOR TILE	DALTILE	MATTE	WHITE	48" X 24"	GROUT - LATICRET - 60 DUSTY GREY	NAME: EMMA SMITH	PHONE: (469)621-4811	EMAIL: emma.smith@daltile.com
Millwork/ Casework									
PLM-1	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE	ASIAN SAND		SINK SKIRT	NAME: JAMIE BORGER	PHONE: (972) 266-4729	EMAIL: jamie.borger@wilsonart.com
PLM-2	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE	BLACKBIRD			NAME: JAMIE BORGER	PHONE: (972) 266-4729	EMAIL: jamie.borger@wilsonart.com
Miscellaneous									
EFM-1	ENTRANCE FLOOR MAT SYSTEM	SHAW CONTRACT	SWIFT TILE	STRIDE	24"X24"X1/8"		NAME: JESSI CAIN	PHONE: (214)695-6189	EMAIL: jessi.cain@shawcontract.com
Wall									
PNT-1	MATCH EXISTING (FIELD VERIFY)	MATCH EXISTING (FIELD VERIFY)	MATCH EXISTING (FIELD VERIFY)	MATCH EXISTING (FIELD VERIFY)		MATCH EXISTING			
PNT-2	EPOXY PAINT	SHERWIN WILLIAMS		GREEK VILLA					
TIL-2	WALL TILE	DALTILE	COLORWHEEL LINEAR - MATTE	BLACK	4" X 12"	GROUT - LATICRET - 60 DUSTY GREY	NAME: EMMA SMITH	PHONE: (469)621-4811	EMAIL: emma.smith@daltile.com
TIL-3	WALL TILE	DALTILE	COLORWHEEL LINEAR - MATTE	MUSTARD	4" X 12"	GROUT - LATICRET - 60 DUSTY GREY	NAME: EMMA SMITH	PHONE: (469)621-4811	EMAIL: emma.smith@daltile.com
TIL-4	WALL TILE	DALTILE	COLORWHEEL LINEAR - MATTE	BISCUTE	4" X 12"	GROUT - LATICRET - 60 DUSTY GREY	NAME: EMMA SMITH	PHONE: (469)621-4811	EMAIL: emma.smith@daltile.com
Counterop									
SS-1	SOLID SURFACE	CORIAN		SAVANNAH					
SS-2	SOLID SURFACE	ARISTECH		NOUGAT					
GROUT									
GRT-1	GROUT	LATICRET	60	DUSTY GREY			NAME:	PHONE:	EMAIL:

FINISH LEGEND

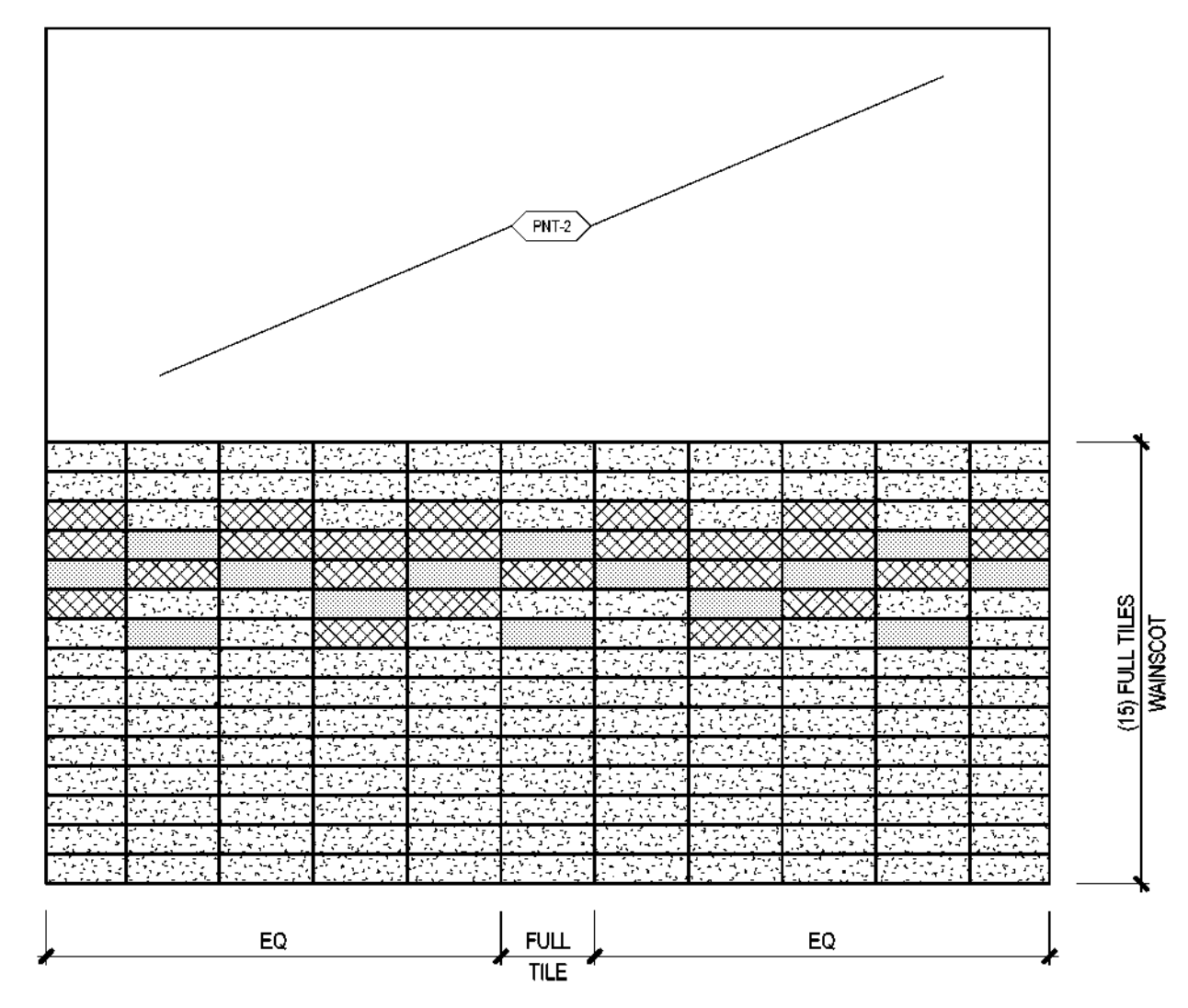
SYMBOL	DESCRIPTION
[Pattern]	EFM-1 (WALK-OFF MAT)
[Pattern]	VCT-1
[Pattern]	TIL-1
[Pattern]	TIL-2
[Pattern]	TIL-3
[Pattern]	TIL-4

INTERIOR FINISH GENERAL NOTES

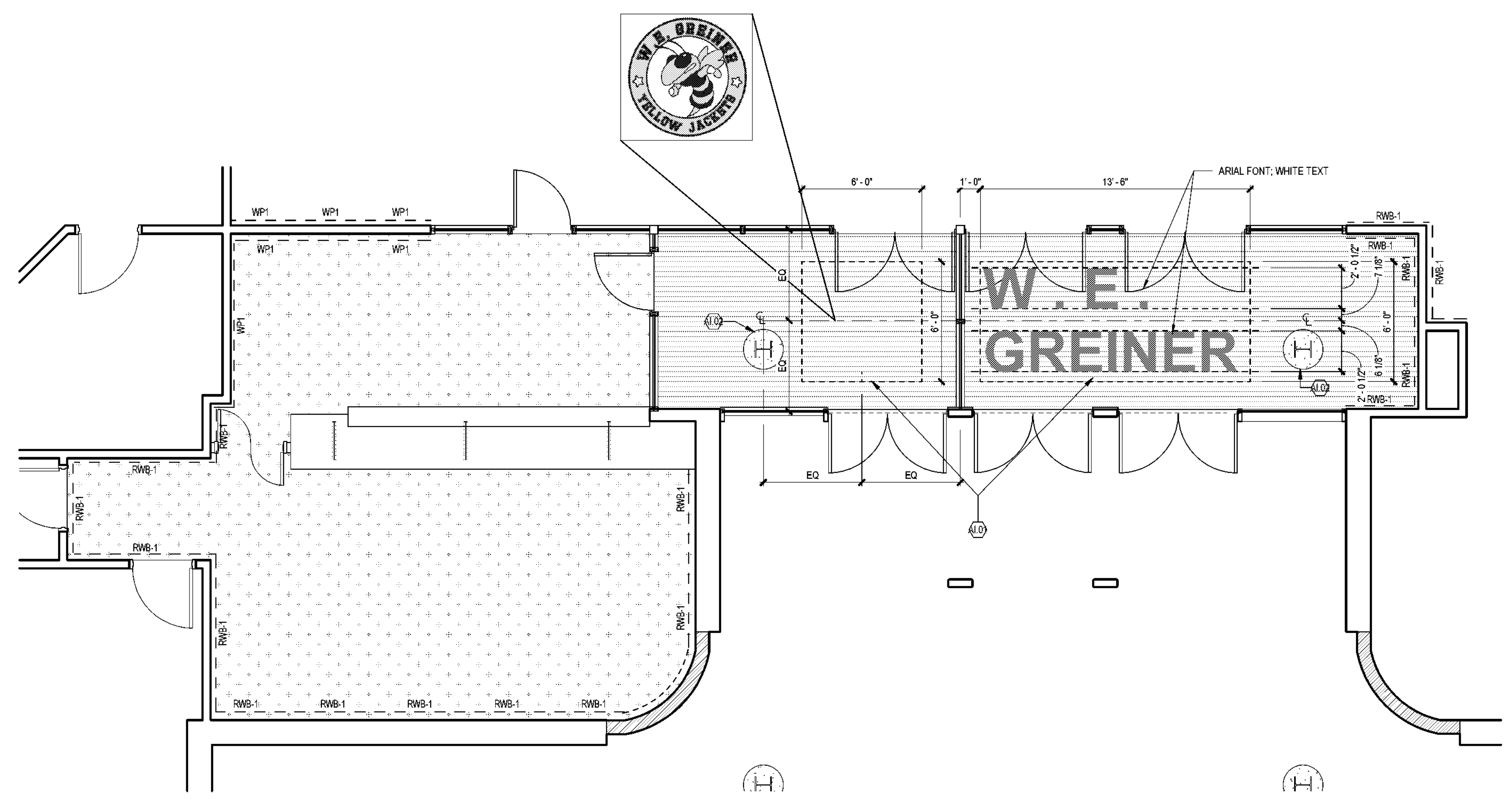
- NO SUBSTITUTIONS OF FINISHES ARE ALLOWED WITHOUT APPROVAL OF ARCHITECT.
- SUBMIT (3) SAMPLES OF EACH FINISH AS SPECIFIED ON APPROPRIATE SUBSTRATE TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
- FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS FOR INTERIOR FINISHES ARE TO BE IN ACCORDANCE WITH APPLICABLE CODES.
- FLOOR TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOOR IN CLOSED POSITION, UNO.
- PROVIDE TRANSITION STRIP BETWEEN SCHEDULED CARPET, RESILIENT FLOORING, STONE FLOORING, AND TILE AS REQUIRED; UNO. REFER TO SECTION 096500. COLOR TO MATCH CARPET.
- FLOORING TRANSITIONS SHALL BE COMPLETELY FLUSH. FIELD VERIFY FLOOR SLAB AND NOTIFY ARCHITECT OF AREAS TO BE LEVELED BEFORE COMMENCING WORK. PROVIDE ADEQUATE FLOOR LEVELING MATERIAL TO MAINTAIN CONSISTENT LEVEL FLOOR SURFACE BETWEEN DIFFERENT FLOORING FINISH MATERIALS. NOTIFY ARCHITECT IMMEDIATELY IF EXCESSIVE FLOOR FLOAT IS REQUIRED.
- TYPICAL FLOOR BASE SHALL BE RWB-1, UNO. PROVIDE STRAIGHT BASE AT CARPET AND COVERED BASE AT OTHER HARD FLOOR MATERIALS.
- REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH INFORMATION.
- REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH REQUIREMENTS, INCLUDING DIMENSIONS AND EXTENT OF SPECIAL WALL FINISHES.
- GYPSUM BOARD PARTITIONS SHALL BE FLOATED OUT TO MAINTAIN A SMOOTH, EVEN, CONSISTENT APPEARANCE IN ACCORDANCE WITH SPECIFICATION SECTION 092000. NOTICEABLE JOINTS OR TAPE LINES IN GYPSUM BOARD PARTITIONS WILL NOT BE ACCEPTABLE. REFER TO FINISH SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL WALL FINISH INFO.
- PAINTED WALLS SHALL HAVE AN EVEN DEPTH OF COLOR AND REFLECTANCE. IF A PORTION OF A WALL IS REPAINTED AND AN EVEN FINISH IS NOT ACHIEVED, THE ENTIRE WALL SHALL BE REPAINTED.
- ACCESS PANELS, ELECTRICAL PANELS, AND OTHER UNFINISHED OR PRIME COATED ITEMS SHALL BE PAINTED TO MATCH THE WALL OR CEILING.
- TYPICAL WINDOW COVERING AT ALL PERIMETER WINDOW WALLS ARE BUILDING PROVIDED MINI-BLINDS, UNLESS NOTED OTHERWISE. GC TO PROTECT FROM DAMAGE THROUGHOUT THE DURATION OF CONSTRUCTION. PRIOR TO TENANT MOVE-IN, MINI-BLINDS ARE TO BE CLEANED AND REINSTALLED.
- ELECTRICAL COMMUNICATION DEVICES AND COVER PLATES SHALL BE WHITE, UNO.
- WALLS SHALL RECEIVE (PT-1) AND RWB-1, TYPICAL, UNO. ALLOW FOR PRIMER AND TWO TOPCOATS FOR PAINT APPLICATION OVER GYPSUM BOARD WITH (EGGSHELL) (SEMI-GLOSS) FINISH.
- WHEN A CEILING RECEIVES A COLOR OTHER THAN THE STANDARD, PAINT CEILING MOUNTED DEVICES TO MATCH, INCLUDING DIFFUSERS.
- ACCESS PANELS, ELECTRICAL PANELS, AND OTHER UNFINISHED OR PRIME COATED ITEMS SHALL BE PAINTED TO MATCH THE WALL OR CEILING IN WHICH IT IS INSTALLED.
- ACCENT PAINT SHALL EXTEND HORIZONTALLY FROM INSIDE CORNER TO INSIDE CORNER ALONG WALL. CONTINUE ACCENT PAINT ACROSS FLOOR-DOWNS AND BULKHEADS ONLY IF THEY ARE IN THE SAME PLANE AS THE ACCENT WALL.
- CALLING AND SEALANT SHALL MATCH SURFACE TO WHICH IT IS APPLIED. UNO. SUBMIT COLOR CHART FOR ARCHITECT'S SELECTION. WHERE TWO DIFFERENT MATERIALS/COLORS ALIGN IN THE SAME PLANE, MATCH THE DARKER COLOR.
- PAINT HOLLOW METAL DOORS SAME COLOR AS FRAME, TYPICAL, UNO. HOLLOW METAL FRAMES SHALL BE SEMI-GLOSS.
- PAINTED METAL RAILINGS SHALL HAVE PRIMER AND TWO COATS OF EPOXY PAINT WITH POLYURETHANE TOPCOAT.
- SCHEDULED FLOOR FINISH TO RUN CONTINUOUSLY UNDERNEATH MILLWORK, UNO.
- CONTRACTOR TO PROVIDE 1 COAT OF WAX TO ALL NEWLY INSTALLED VCT FLOORING BEFORE SUBSTANTIAL COMPLETION OF PROJECT.

KEYED NOTES

NUMBER	DESCRIPTION
A1.01	SCHEDULED FINISH TO RECEIVE WATER-JET CUT GRAPHICS AS ILLUSTRATED. CONTRACTOR TO COORDINATE WITH ARCHITECT.
A1.02	RUBBER BASE WRAP EXISTING COLUMN (RWB-1)



2 TYPICAL W.C. - WAINSCOT TILE & PAINT FINISH DESIGN
SCALE: 1/2" = 1'-0"



1 INTERIORS - SECURE VESTIBLE FLOOR PLAN - LEVEL 01
SCALE: 1/4" = 1'-0"

PLUMBING ABBREVIATIONS	PLUMBING SYSTEM LABELS	VALVE SYMBOLS	GENERAL NOTES
<p>A AIR LINE</p> <p>ACU AIR CONDITIONING UNIT</p> <p>AD AREA DRAIN</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>AHU AIR HANDLING UNIT</p> <p>AV ACID VENT</p> <p>AW ACID WASTE</p> <p>BT BATH TUB</p> <p>BTU BRITISH THERMAL UNIT</p> <p>CA COMPRESSED AIR</p> <p>CD CONDENSATE DRAIN</p> <p>CFI CONTRACTOR FURNISHED CONTRACTOR INSTALLED</p> <p>CFI CUBIC FEET PER HOUR</p> <p>CL CENTER LINE</p> <p>CO2 CARBON DIOXIDE</p> <p>CS CLINICAL SINK</p> <p>CW COLD WATER</p> <p>DO DOUBLE CLEANOUT</p> <p>DHR DOMESTIC HOT WATER RETURN</p> <p>DHW DOMESTIC HOT WATER</p> <p>DI DIAMETER</p> <p>DWV DRAIN, WASTE & VENT</p> <p>EL ELEVATION</p> <p>EQ EQUIPMENT</p> <p>ES EMERGENCY SHOWER</p> <p>ET EXPANSION TANK</p> <p>EWC ELECTRIC WATER COOLER</p> <p>F FIRE</p> <p>FOO FLOOR CLEANOUT</p> <p>FCU FAN COIL UNIT</p> <p>FD FLOOR DRAIN</p> <p>FS FLOOR SINK</p> <p>G GAS</p> <p>GAL GALLON</p> <p>GCO GRADE CLEANOUT</p> <p>GPH GALLONS PER HOUR</p> <p>GW GREASE WASTE</p> <p>GWH GAS WATER HEATER</p> <p>HB HOSE BIBB</p> <p>HC HOSE CABINET</p> <p>HD HOSE DRAIN</p> <p>HP HIGH PRESSURE</p> <p>HR HOSE REEL</p> <p>HW HOT WATER</p> <p>HWR HOT WATER RETURN</p> <p>HWS HOT WATER SUPPLY</p> <p>Hz HERTZ (FREQUENCY)</p> <p>IA INSTRUMENT AIR</p> <p>I INVERT ELEVATION</p> <p>IW INDIRECT WASTE</p> <p>L LAVATORY</p> <p>LAP MEDICAL GAS LOCAL ALARM PANEL</p> <p>LF LINEAR FEET</p> <p>MA MASTER ALARM PANEL MEDICAL GAS</p> <p>MAX MAXIMUM</p> <p>MG MEDICAL GAS</p> <p>MGO MEDICAL GAS OUTLET</p> <p>MIN MINIMUM</p> <p>MP MEDIUM PRESSURE</p> <p>MS MOP SINK</p> <p>MV MEDICAL VACUUM</p> <p>N NITROGEN</p> <p>N2O NITROUS OXIDE</p> <p>NA NOT APPLICABLE</p> <p>NC NORMALLY CLOSED</p> <p>NC NOT IN CONTRACT</p> <p>NO NORMALLY OPEN</p> <p>NTS NOT TO SCALE</p> <p>O2 OXYGEN</p> <p>OD OVERFLOW ROOF DRAIN</p> <p>OFI OWNER FURNISHED CONTRACTOR INSTALLED</p> <p>OFI OWNER FURNISHED OWNER INSTALLED</p> <p>OZ OUNCE</p> <p>P PUMP</p> <p>PH PHASE</p> <p>PIV POST INDICATOR VALVE</p> <p>PLBG PLUMBING</p> <p>PRV PRESSURE REDUCING VALVE</p> <p>PSI POUNDS PER SQUARE INCH</p> <p>PW PROTECTED WATER</p> <p>RD ROOF DRAIN</p> <p>REF REFERENCE</p> <p>RO REVERSE OSMOSIS WATER RETURN</p> <p>SAN SANITARY WASTE</p> <p>SD STORM DRAIN</p> <p>SF SQUARE FEET</p> <p>SH SHOWER</p> <p>SPEC SPECIFICATION</p> <p>SQ SQUARE</p> <p>SSD SUBSOIL DRAIN</p> <p>STM STEAM</p> <p>SW SOFT WATER</p> <p>T&P TEMPERATURE AND PRESSURE</p> <p>TD TRENCH DRAIN</p> <p>TEMP TEMPERATURE</p> <p>TEMP TYPICAL</p> <p>UH UNIT HEATER</p> <p>UR URINAL</p> <p>V VENT</p> <p>VFD VARIABLE FREQUENCY DRIVE</p> <p>VOL VOLUME</p> <p>VS SLIDE MEDICAL VACUUM</p> <p>VTR VENT THRU ROOF</p> <p>W WAIT</p> <p>WC WASH WATER COLUMN</p> <p>WAGO WASTE ANESTHETIC GAS DISPOSAL</p> <p>WC WATER CLOSET</p> <p>WCO WALL CLEANOUT</p> <p>WG WATER GAGE</p> <p>WM WALL MOUNTING</p> <p>WSPU WATER SUPPLY FIXTURE UNIT</p> <p>YR YEAR</p> <p>Z ZONE</p> <p>ZWB MEDICAL GAS ZONE VALVE BOX</p> <p>°C CELSIUS</p> <p>--- EXISTING PIPING/FIXTURES/EQUIPMENT</p> <p>—CW— COLD WATER</p> <p>—C— COLD WATER</p> <p>—HW— HOT WATER</p> <p>—HR— HOT WATER RETURN/RECIRCULATION</p> <p>—HR— HOT WATER RETURN/RECIRCULATION INSTALLED</p> <p>—SW— SOFT WATER</p> <p>—MPCW— NONPOTABLE COLD WATER</p> <p>—NPHW— NONPOTABLE HOT WATER</p> <p>—NPHR— NONPOTABLE HOT WATER RETURN/RECIRCULATION</p> <p>—NPSW— NONPOTABLE SOFT WATER</p> <p>—TW— TEMPERED WATER</p> <p>—PWS— PURIFIED WATER SUPPLY</p> <p>—PWR— PURIFIED WATER RETURN/RECIRCULATION</p> <p>—CA— COMPRESSED AIR</p> <p>—MA— MEDICAL AIR</p> <p>—IA— INSTRUMENT AIR</p> <p>—LA— LABORATORY AIR</p> <p>—V— VACUUM</p> <p>—MV— MEDICAL VACUUM</p> <p>—LV— LABORATORY VACUUM</p> <p>—WAGO— WASTE ANESTHETIC GAS DISPOSAL</p> <p>—N— NITROGEN</p> <p>—O— OXYGEN</p> <p>—N2O— NITROUS OXIDE</p> <p>—CO2— CARBON DIOXIDE</p> <p>—H2— HYDROGEN</p> <p>—G— NATURAL GAS</p> <p>—FOS— FUEL OIL SUPPLY</p> <p>—FOR— FUEL OIL RETURN/RECIRCULATION</p> <p>—SS— SANITARY SEWER</p> <p>—SD— STORM DRAIN</p> <p>—SSD— SUBSOIL DRAIN</p> <p>—OD— OVERFLOW DRAIN</p> <p>—GW— GREASE WASTE</p> <p>—OW— OIL WASTE</p> <p>—FM— FORCE MAIN</p> <p>—AW— ACID WASTE</p> <p>—V— VENT</p> <p>—GV— GREASE VENT</p> <p>—AV— ACID VENT</p> <p>—GD— GARAGE DRAIN</p>	<p>--- EXISTING PIPING/FIXTURES/EQUIPMENT</p> <p>—CW— COLD WATER</p> <p>—C— COLD WATER</p> <p>—HW— HOT WATER</p> <p>—HR— HOT WATER RETURN/RECIRCULATION</p> <p>—HR— HOT WATER RETURN/RECIRCULATION INSTALLED</p> <p>—SW— SOFT WATER</p> <p>—MPCW— NONPOTABLE COLD WATER</p> <p>—NPHW— NONPOTABLE HOT WATER</p> <p>—NPHR— NONPOTABLE HOT WATER RETURN/RECIRCULATION</p> <p>—NPSW— NONPOTABLE SOFT WATER</p> <p>—TW— TEMPERED WATER</p> <p>—PWS— PURIFIED WATER SUPPLY</p> <p>—PWR— PURIFIED WATER RETURN/RECIRCULATION</p> <p>—CA— COMPRESSED AIR</p> <p>—MA— MEDICAL AIR</p> <p>—IA— INSTRUMENT AIR</p> <p>—LA— LABORATORY AIR</p> <p>—V— VACUUM</p> <p>—MV— MEDICAL VACUUM</p> <p>—LV— LABORATORY VACUUM</p> <p>—WAGO— WASTE ANESTHETIC GAS DISPOSAL</p> <p>—N— NITROGEN</p> <p>—O— OXYGEN</p> <p>—N2O— NITROUS OXIDE</p> <p>—CO2— CARBON DIOXIDE</p> <p>—H2— HYDROGEN</p> <p>—G— NATURAL GAS</p> <p>—FOS— FUEL OIL SUPPLY</p> <p>—FOR— FUEL OIL RETURN/RECIRCULATION</p> <p>—SS— SANITARY SEWER</p> <p>—SD— STORM DRAIN</p> <p>—SSD— SUBSOIL DRAIN</p> <p>—OD— OVERFLOW DRAIN</p> <p>—GW— GREASE WASTE</p> <p>—OW— OIL WASTE</p> <p>—FM— FORCE MAIN</p> <p>—AW— ACID WASTE</p> <p>—V— VENT</p> <p>—GV— GREASE VENT</p> <p>—AV— ACID VENT</p> <p>—GD— GARAGE DRAIN</p>	<p>DOUBLE LINE</p> <p>SINGLE LINE</p> <p>GATE VALVE (GENERIC VALVE SYMBOL)</p> <p>CHECK VALVE</p> <p>NON-SLAM (SPRING) CHECK VALVE</p> <p>BUTTERFLY VALVE</p> <p>DIAPHRAGM VALVE</p> <p>BALL VALVE</p> <p>COMBINATION BALANCING & SHUT-OFF VALVE</p> <p>PLUG VALVE</p> <p>SELF-ACTUATING REGULATOR (DIAPHRAGM-TYPE ACTUATOR UNO)</p> <p>PRESSURE REDUCING VALVE INDICATING LOW SIDE PRESSURE</p> <p>PRESSURE RELIEF/SAFETY VALVE INDICATING RELIEF PRESSURE</p> <p>TEMPERATURE CONTROL VALVE</p> <p>THREE-WAY VALVE (BALL TYPE BODY SHOWN)</p> <p>GLOBE VALVE</p> <p>GLOBE VALVE, SEALED STEM</p> <p>ANGLE VALVE</p> <p>CIRCUIT SETTER</p> <p>AUTOMATIC AIR VENT</p> <p>MANUAL AIR VENT</p> <p>VACUUM BREAKER</p> <p>MANUAL ACTUATOR SYMBOLS</p> <p>HANDWHEEL ACTUATOR, NON-RISING STEM</p> <p>LEVER ACTUATOR</p> <p>HANDWHEEL ACTUATOR, RISING STEM, OUTSIDE SCREW AND YOKE (OS&Y)</p> <p>GEAR ACTUATOR (HANDWHEEL OR CRANK)</p> <p>NOTE: VALVE TYPE GRAPHICS ARE SHOWN FOR SIZES 4 INCH NOMINAL AND LARGER. MAY OR MAY NOT BE DESCRIBED ON VALVE SIZES SMALLER THAN 4 INCH NOMINAL.</p>	<p>1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES TO AVOID CONFLICTS AND TO MINIMIZE INTERRUPTION OF SERVICES.</p> <p>2. ALL WORK, METHODS, AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE PREVAILING BUILDING CODE, INSPECTION REGULATIONS AND ALL OFFICIALS HAVING JURISDICTION.</p> <p>3. DUE TO THE SCALE OF DRAWINGS, NOT ALL PIPING AND APPURTENANCES TO BE PROVIDED ARE SHOWN. CONTRACTOR SHALL PROVIDE SERVICES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: PIPING INSIDE WALLS AND CHASES TO SERVE ADJACENT PLUMBING FIXTURES AND EQUIPMENT, INDIVIDUAL FIXTURE SUPPLIES AND DRAINS, PIPING OFFSETS, VALVES, TRAPS, GAUGES, STRAINERS, AND UNIONS TO ENSURE THE COMPLETE AND FUNCTIONING INSTALLATION OF FIXTURES AND EQUIPMENT.</p> <p>4. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND PLUMBING AND ELECTRICAL UTILITIES, AND OTHER SUB-SURFACE BUILDING ELEMENTS.</p> <p>5. DO NOT ROUGH-IN BASED UPON THESE DRAWINGS. REFER TO LATEST DRAWINGS PREPARED BY THE ARCHITECT. THE FINAL LOCATIONS OF ALL PIPING SHALL ALLOW INSTALLATION OF FIXTURES WITHOUT THE NEED TO FURR-OUT WALLS.</p> <p>6. VERIFY EXACT LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN OF DRAINS AND CLEANOUTS.</p> <p>7. NO PIPING IS TO BE INSTALLED OPEN TO PUBLIC VIEW UNLESS NOTED OTHERWISE.</p> <p>8. DO NOT INSTALL PIPING AT LOCATIONS THAT INTERFERE WITH SERVICE ACCESSIBILITY TO EQUIPMENT.</p> <p>9. ALL PENETRATIONS THROUGH FLOOR SLABS AND EXTERIOR WALLS SHALL BE SEALED WATER-TIGHT.</p> <p>10. INSTALL FIXTURES ACCORDING TO ADASIT REQUIREMENTS.</p> <p>11. WHEREVER EXISTING PIPING SYSTEMS ARE CONNECTED TO, RE-ROUTED, OR CAPPED, CLEAN AND TEST THE ENTIRE SECTION OF THE SYSTEM AFFECTED IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS.</p> <p>12. SAWCUT OR COREDRILL AND REMOVE EXISTING FLOOR SLAB AS REQUIRED TO PROVIDE NEW FIXTURES, CLEANOUTS, AND UNDERSLAB WATER, WASTE AND VENT PIPING. PATCH AND REFINISH FLOOR TO MATCH EXISTING. COORDINATE WITH STRUCTURAL ENGINEER PRIOR TO CUTTING OR DRILLING SLAB.</p> <p>13. SAWCUT AND REMOVE EXISTING PAVING AND SIDEWALKS AS REQUIRED TO PROVIDE NEW SERVICES. PATCH AND REFINISH TO MATCH EXISTING.</p> <p>14. ALL EXISTING WALLS, FLOORS, DRIVEWAYS, SIDEWALKS, PARKING AREAS, FENCING, ETC. DISTURBED DUE TO WORK DONE AND THAT ARE TO REMAIN SHALL BE REPAIRED TO CONDITION THAT IS ACCEPTABLE TO THE ARCHITECT/ENGINEER AND OWNER.</p> <p>15. INVERT ELEVATIONS LISTED ARE APPROXIMATE. PRIOR TO CONSTRUCTION, FIELD VERIFY EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS REQUIRED TO ENSURE PROPER CONNECTIONS TO UTILITIES.</p> <p>16. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE OWNER'S MOST RECENT RULES AND REGULATIONS FOR CONSTRUCTION. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH SUCH RULES AND REGULATIONS.</p> <p>17. SITE INSPECTION: CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMISSION OF HIS BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS AND EXACT NATURE OF THE WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR PROVIDING ALL NECESSARY LABOR AND MATERIALS TO ENSURE COMPLETE, FUNCTIONAL AND COMPLIANT SYSTEMS. FAILURE TO MEET THIS REQUIREMENT SHALL NOT BE CONSIDERED JUSTIFICATION FOR OMISSIONS, FAULTY WORK, OR THE PAYMENT OF ADDITIONAL COMPENSATION.</p> <p>18. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT. INSTALL TO CONSERVE HEADROOM AND TO CREATE MINIMUM INTERFERENCE WITH USE OF SPACE. SHOULD A CONFLICT OCCUR THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN. GROUP PIPING AT COMMON ELEVATIONS WHENEVER PRACTICAL.</p> <p>19. PRIOR TO ANY ROUGH-INS, COORDINATE ALL FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST MANUFACTURER RECOMMENDATIONS AND DRAWINGS AND SPECIFICATIONS PREPARED BY THE ARCHITECT AND OTHER CONSULTANTS (POD SERVICE, LABORATORY PLANNING, ETC.). MAKE ADJUSTMENTS AND PROVIDE SERVICES AS REQUIRED.</p> <p>20. ALL PENETRATIONS THROUGH PARTITIONED PARTITIONS AND FLOOR SLABS SHALL BE SEALED TO PROVIDE A FIRE/SMOKE RATING EQUAL TO OR GREATER THAN THE RATING OF THE PARTITION OR FLOOR SLAB. REFER TO ARCHITECTURAL DRAWINGS FOR RATINGS.</p> <p>21. LOCATE VENT TERMINALS AND FLUES THROUGH ROOF TO MAINTAIN A MINIMUM OF 15'-0" HORIZONTALLY FROM AND 3'-0" VERTICALLY ABOVE ALL OUTSIDE AIR INTAKES, OPERABLE WINDOWS, DOORS, AND ANY OTHER BUILDING OPENINGS.</p> <p>22. ALL VALVES INDICATED ON DRAWINGS SHALL BE LINE-SIZED (THE SAME SIZE AS THE PIPE THEY SERVE), UNLESS NOTED OTHERWISE.</p> <p>23. PROVIDE LOCKING ACCESS PANELS ACCEPTABLE TO ARCHITECT/OWNER AS REQUIRED TO ENSURE ACCESS TO VALVES AND WATER HAMMERS.</p> <p>24. PROVIDE CLEANOUTS IN ADDITION TO THOSE SHOWN AS REQUIRED BY CODE.</p> <p>25. ALL ABOVE SLAB ON GRADE FLOOR DRAINS, P-TRAPS, AND CONNECTED DRAINAGE PIPING RECEIVING CONDENSATE, ICE MACHINE WASTE, OR CONVEYING CONTENTS HAVING TEMPERATURES BELOW 50°F SHALL BE PROPERLY INSULATED TO THE FIRST VERTICAL OFFSET AND VAPOR SEALED TO PREVENT CONDENSATION.</p> <p>26. UPON COMPLETION OF WORK, THOROUGHLY RINSE AND FLUSH OUT ALL GRAVITY DRAINAGE PIPING TO ENSURE IT IS FREE FROM BLOCKAGES AND FLOWING FREELY.</p> <p>27. UNLESS NOTED OTHERWISE, ADDITIONAL PRECAUTIONARY MEASURES MUST BE PROVIDED IN SPECIAL ROOMS AND AREAS AND ABOVE SPECIAL EQUIPMENT. THESE SPACES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: IDF, MOP, SERVER, ELECTRICAL, TELECOM, FOOD STORAGE, FOOD PREPARATION, FOOD SERVING, CLEAN ROOMS, STERILE AREAS, DINING ROOMS, OPERATING ROOMS, IMAGING ROOMS, AND OVERHEADS AND CONTROL PANELS. AT SUCH LOCATIONS, PROVIDE AUXILIARY DRAIN PANS BENEATH ALL WATER, STORM, WASTE AND VENT PIPING TO COLLECT POSSIBLE LEAKAGE OR CONDENSATION. PANS SHALL BE SUSPENDED FROM STRUCTURE ABOVE WITH GALVANIZED THREADED HANGER RODS AND HARDWARE. PANS SHALL BE GALVANIZED OR STAINLESS STEEL. CONSTRUCTION WITH ALL SOLIDER SEAMS AND JOINTS. MINIMUM 4" DEEP, SLOPED, WITH A MINIMUM 1/4" DRAIN OUTLET AT THE LOW POINT OF THE PAN. PROVIDE ELECTRIC ADAPTER AND TYPE DWV COPPER DRAIN LINE AND FITTINGS SLOPED TO NEAREST APPROVED INDIRECT WASTE RECEPTOR.</p> <p>28. EXISTING WATER, WASTE, AND VENT UTILITIES SHALL BE MODIFIED AS REQUIRED FOR THE INSTALLATION OF NEW PIPING FIXTURES. REFER TO PLUMBING FLOOR PLANS FOR POINTS OF CONNECTION.</p> <p>29. PRIOR TO BEGINNING CONSTRUCTION, FIELD VERIFY THE EXACT LOCATION, SIZE, DEPTH, DIRECTION OF FLOW, CAPACITY, PIPE MATERIAL, AND CONDITION OF EXISTING PIPING TO ENSURE THAT PROPER CONNECTIONS TO AND EXTENSION OF SUCH UTILITIES CAN BE MADE.</p>
<p>GRAPHIC SYMBOLS</p> <p>SECTION NUMBER</p> <p>DIRECTION OF CUTTING PLANE</p> <p>SHEET NO. OF THE PACKAGE ON WHICH SECTION IS DRAWN</p> <p>THE SECTION NO. 1 IS ON DRAWING NO. P-01.</p> <p>DRAWING TITLE</p> <p>SCALE: 1/4" = 1'-0"</p> <p>AREA OF DETAIL ENLARGED</p> <p>DETAIL NO.</p> <p>SHEET NO. ON WHICH DETAIL IS DRAWN</p> <p>RISER TYPE</p> <p>RISER NUMBER</p> <p>PIPE SIZE</p>	<p>PLUMBING SYMBOLS</p> <p>ELBOW DOWN</p> <p>ELBOW UP</p> <p>TEE DOWN</p> <p>TEE UP</p> <p>PIPE CAP</p> <p>FLANGE</p> <p>UNION</p> <p>ANCHOR</p> <p>PIPE GUIDE</p> <p>PIPE SLEEVE</p> <p>ECCENTRIC REDUCER</p> <p>CONCENTRIC REDUCER</p> <p>DIRECTION OF FLOW</p> <p>DIRECTION OF PITCH</p> <p>PIPE FLEXIBLE CONNECTION</p> <p>EXPANSION JOINT</p> <p>FLOW SENSING DEVICE</p> <p>GAS REGULATOR</p> <p>HEAT TRACE TERMINATION</p> <p>HEAT TRACE NON FREEZE</p> <p>WALL HYDRANT</p> <p>HOSE BIBB</p> <p>YARD HYDRANT</p> <p>FLOOR DRAIN</p> <p>OVERFLOW DRAIN</p> <p>ROOF DRAIN</p> <p>FLOOR SINK</p> <p>P-TRAP</p> <p>WALL OR END CLEANOUT</p> <p>FLOOR CLEANOUT</p> <p>DOUBLE CLEANOUT</p> <p>BALL VALVE</p> <p>GLOBE VALVE</p> <p>BUTTERFLY VALVE</p> <p>GAS VALVE</p> <p>BALANCING VALVE</p> <p>CHECK VALVE</p> <p>STRAINER</p> <p>PRESSURE REDUCING & REGULATING VALVE</p> <p>SOLENOID VALVE</p> <p>RELIEF VALVE</p> <p>PRESSURE OR VACUUM SWITCH</p> <p>THERMOMETER</p> <p>PRESSURE GAUGE WITH VALVE</p> <p>WATER HAMMER ARRESTOR</p> <p>FILTER</p> <p>INLINE PUMP</p> <p>PUMP</p>	<p>PIPING SYSTEM LABELS</p> <p>EXAMPLE:</p> <p>2" CHWS</p> <p>SYSTEM SERVICE ABBREVIATION</p> <p>NOMINAL PIPE SIZE (N INCHES)</p> <p>PLUMBING FIXTURE DESIGNATION</p> <p>PIPE END</p> <p>PIPE BREAK</p> <p>FLOW ARROW</p> <p>STANDARD BREAK</p> <p>SAW CUT SLAB AREA FOR NEW PIPING</p> <p>KEYED NOTE</p> <p>POINT OF DISCONNECTION</p> <p>POINT OF CONNECTION (NEW TO EXISTING)</p> <p>NEW ITEMS (PIPING/EQUIPMENT)</p> <p>EXISTING ITEMS TO REMAIN</p> <p>EXISTING ITEMS TO BE DEMOLISHED OR RELOCATED</p> <p>LIMIT OF EXISTING ITEMS TO BE REMOVED</p>	
<p>DEMOLITION GENERAL NOTES</p> <p>1. PRIOR TO BEGINNING EXCAVATIONS OR DEMOLITION OF ANY NATURE WHATSOEVER, CONTRACTOR SHALL LOCATE ALL SERVICES AND UTILITIES OCCURRING WITHIN THE BOUNDS OF THE PROJECT. THE CONTRACTOR SHALL THEN PROCEED WITH CAUTION IN HIS WORK SO THAT NO UTILITY OR LINE SERVING AREAS THAT ARE TO REMAIN IS DAMAGED WITH A RESULT THAT LOSS OF SERVICE. VERIFY THE LOCATION AND DEPTH OF EACH AND EVERY LINE, ENCOUNTERED AND RECORD EACH SERVICE, SIZE, AND LOCATION ON RECORD DRAWINGS.</p> <p>2. ALL PLUMBING FIXTURES AND EQUIPMENT REMOVED SHALL BE SUBMITTED TO THE OWNER WITH THE OPTION TO BE REUSED. ITEMS THE OWNER DOES NOT WISH TO REUSE BUT WISHES TO RETAIN SHALL BE DELIVERED TO STORAGE AS DIRECTED BY THE OWNER. ITEMS THE OWNER DOES NOT WISH TO REUSE OR RETAIN SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF LEGALLY.</p> <p>3. PLUS PIPES AND PATCH FLOOR FLUSH WITH EXISTING SLAB ON GRADE AT ANY PLUMBING FLOOR PENETRATIONS NO LONGER REQUIRED.</p> <p>4. CONTRACTOR SHALL REMOVE ALL PIPING AND ASSOCIATED SUPPORTS FROM ABOVE SLAB ON GRADE TO BELOW ROOF WHICH WAS PREVIOUSLY ABANDONED OR WHICH SERVES PLUMBING FIXTURES AND EQUIPMENT DESIGNATED FOR REMOVAL. REFER TO PLUMBING FLOOR PLANS FOR NEW FIXTURES OR EQUIPMENT TO BE INSTALLED IN THOSE LOCATIONS. PRIOR TO ANY REMOVAL, FIELD VERIFY THAT LINES TO BE REMOVED DO NOT SERVE ANY FIXTURES OR EQUIPMENT TO REMAIN. CAP REMOVED BRANCH LINES AS CLOSE AS POSSIBLE TO EXISTING MAINS.</p> <p>5. ALL PLUMBING FIXTURES AND EQUIPMENT NOT SPECIFICALLY IDENTIFIED FOR REMOVAL SHALL REMAIN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONFLICTS FOUND IN THE FIELD.</p> <p>6. CONTRACTOR SHALL FIELD VERIFY AS NECESSARY THE EXACT LOCATION OF PLUMBING FIXTURES, PIPING, AND EQUIPMENT TO BE REMOVED. REFER TO ARCHITECTURAL DRAWINGS FOR CLARIFICATION AS REQUIRED.</p> <p>7. COORDINATE EACH AND EVERY INTERRUPTION OF SERVICES AND UTILITIES IN ADVANCE WITH THE OWNER, FIRE DEPARTMENT, AND UTILITY COMPANIES TO ENSURE MINIMAL SHUT DOWN TIMES THAT ARE ACCEPTABLE TO THE OWNER AND AUTHORITIES.</p>			

CITY OF DALLAS APPROVAL STAMP FOR PUBLIC IMPACT PLAN

APPLICABLE CODES & STANDARDS

- 1. INTERNATIONAL BUILDING CODE - 2021 EDITION
2. INTERNATIONAL PLUMBING CODE - 2021 EDITION

DESIGN CONDITIONS

PIPE MATERIAL LIST

DOMESTIC WATER PIPING: ABOVE GRADE INSIDE THE BUILDING, PIPE 2-1/2" AND SMALLER SHALL BE ASTM B 88 TYPE L SEAMLESS COPPER WATER TUBE WITH WROUGHT COPPER FITTINGS, AND 8.622. SOLDER MATERIAL SHALL BE 95% LEAD FREE, ASTM B 32. THE USE OF DRILLED-T CONNECTIONS IS NOT PERMITTED. ABOVE SLAB INSIDE THE BUILDING, PIPE 3" AND LARGER SHALL BE: ASTM B 88 TYPE L SEAMLESS COPPER WATER TUBE WITH GROOVED-JOINTS AND GROOVED-JOINT FITTINGS. BELOW SLAB WITHIN 5'-0" OF THE BUILDING, PIPE 3" AND LARGER SHALL BE: DUCTILE IRON PIPE WITH STANDARD OR COMPACT MECHANICAL JOINT FITTINGS AND MECHANICAL JOINTS. BELOW SLAB WITHIN 5'-0" OF THE BUILDING, PIPE 2-1/2" AND SMALLER SHALL BE: ASTM B 88 TYPE K SEAMLESS COPPER WATER TUBE WITH NO JOINTS. SANITARY WASTE, SANITARY VENT: ABOVE GRADE SHALL BE SERVICE WEIGHT NO-HUB CAST IRON SYSTEM. PIPE AND FITTINGS SHALL CONFORM TO ASTM A888 OR CSPI 301. JOINT GASKETS SHALL CONFORM TO ASTM C564. MECHANICAL COUPLING JOINTS SHALL BE ALL STAINLESS STEEL SHELDED, CONFORMING TO ASTM C1177 OR ASTM C1540. BELOW GRADE SHALL BE: SCHEDULE 40 SOLID WALL PVC. CONDENSATE AND INDIRECT DRAIN PIPING: PIPE 1" AND SMALLER SHALL BE: ASTM B 88 TYPE M SEAMLESS COPPER TUBE AND FITTINGS WITH 95% LEAD FREE SOLDER JOINTS. PIPE 1-1/4" AND LARGER SHALL BE: TYPE DWV COPPER WATER TUBE AND FITTINGS WITH 95% LEAD FREE SOLDER JOINTS. INSULATION - MINERAL FIBER, ASTM C547, PREFORMED PIPE INSULATION, TYPE I. DOMESTIC/INDUSTRIAL COLD WATER TO BE 1" THICK. DOMESTIC/INDUSTRIAL HOT AND RECIRCULATED HOT WATER PIPE NPS 1-1/2" AND SMALLER SHALL BE 1" THICK. NPS LARGER THAN 1-1/2" SHALL BE 1-1/2" THICK. LAB GAS PIPING: NG PIPING: TYPE K COPPER WITH WROUGHT COPPER BRAZED FITTINGS CLEANED FOR SERVICE. CA PIPING: TYPE K COPPER WITH WROUGHT COPPER BRAZED FITTINGS CLEANED FOR OXYGEN SERVICE. VACUUM PIPING: TYPE K COPPER WITH WROUGHT COPPER FITTINGS. DI WATER PIPING: GEORGE FISCHER PVDF WITH FUSION JOINTS AND IN LINE FLOW DIVERTER FITTINGS. NOTE: CONTRACTOR SHALL REFER TO THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

DRAWING INDEX

Table with columns: DWG NUMBER, DWG NAME, PLUMBING - LEGENDS, ABBREVIATIONS, AND GENERAL NOTES, PLUMBING - SITE PLAN, PLUMBING - FLOOR PLAN - LEVEL 01 - AREA A, PLUMBING - FLOOR PLAN - LEVEL 01 - AREA B, PLUMBING - FLOOR PLAN - LEVEL 02 - AREA A, PLUMBING - FLOOR PLAN - LEVEL 02 - AREA B, PLUMBING - FLOOR PLAN - LEVEL 02 - AREA C, PLUMBING - DETAILS, PLUMBING - SCHEDULES

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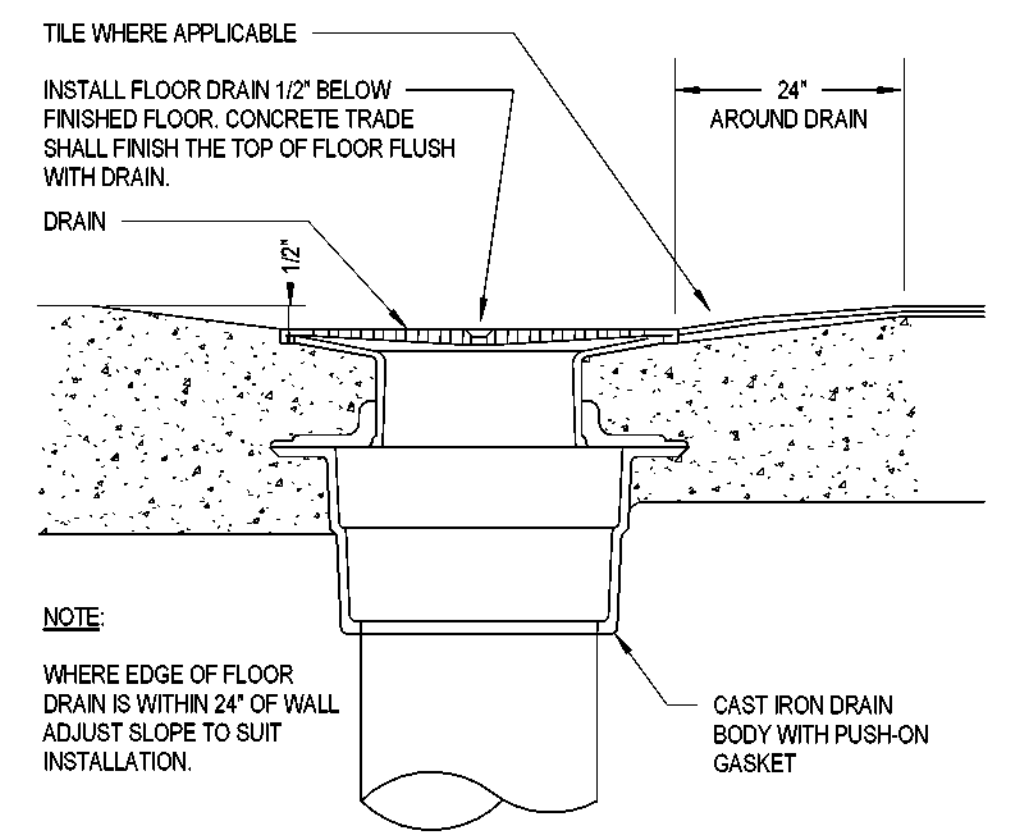
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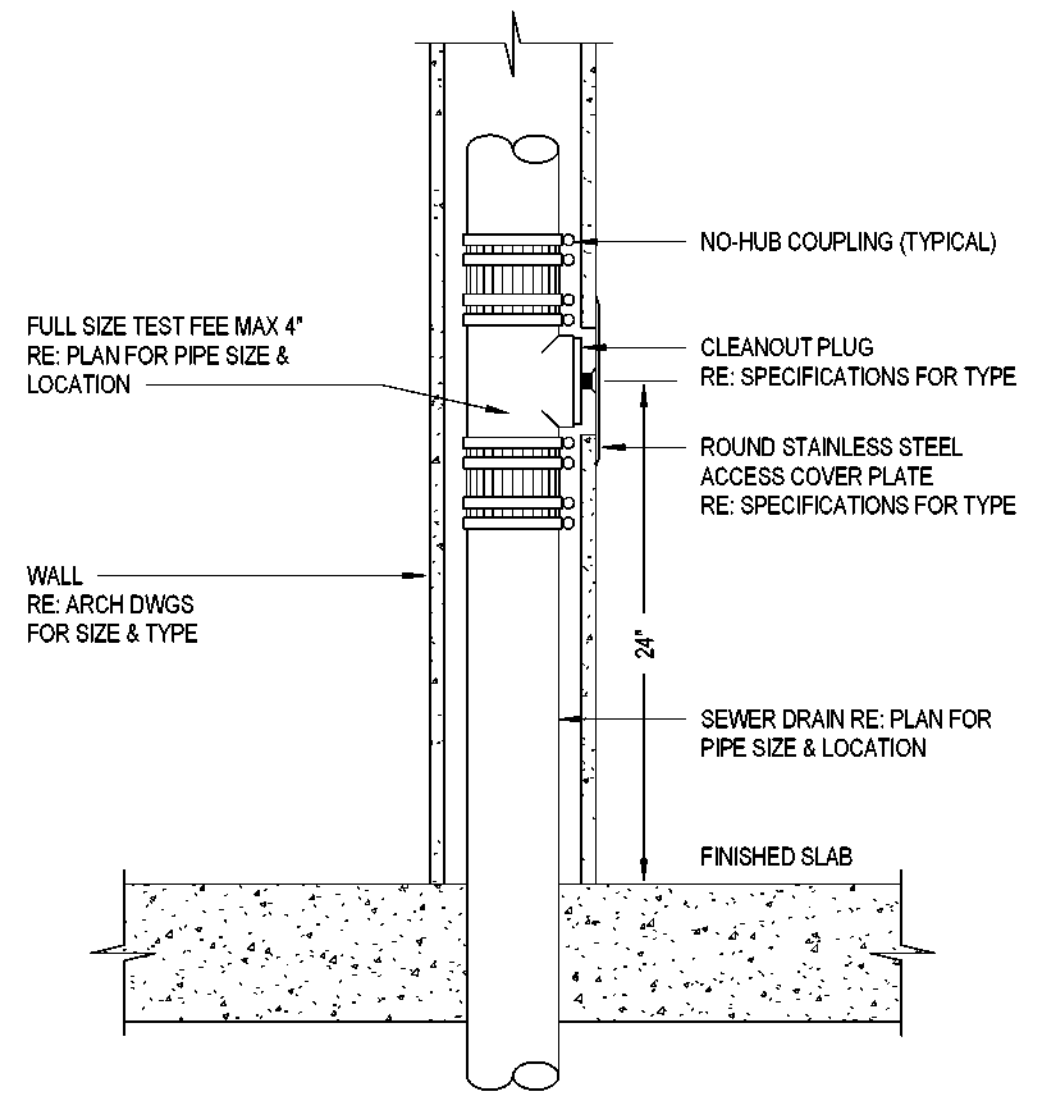
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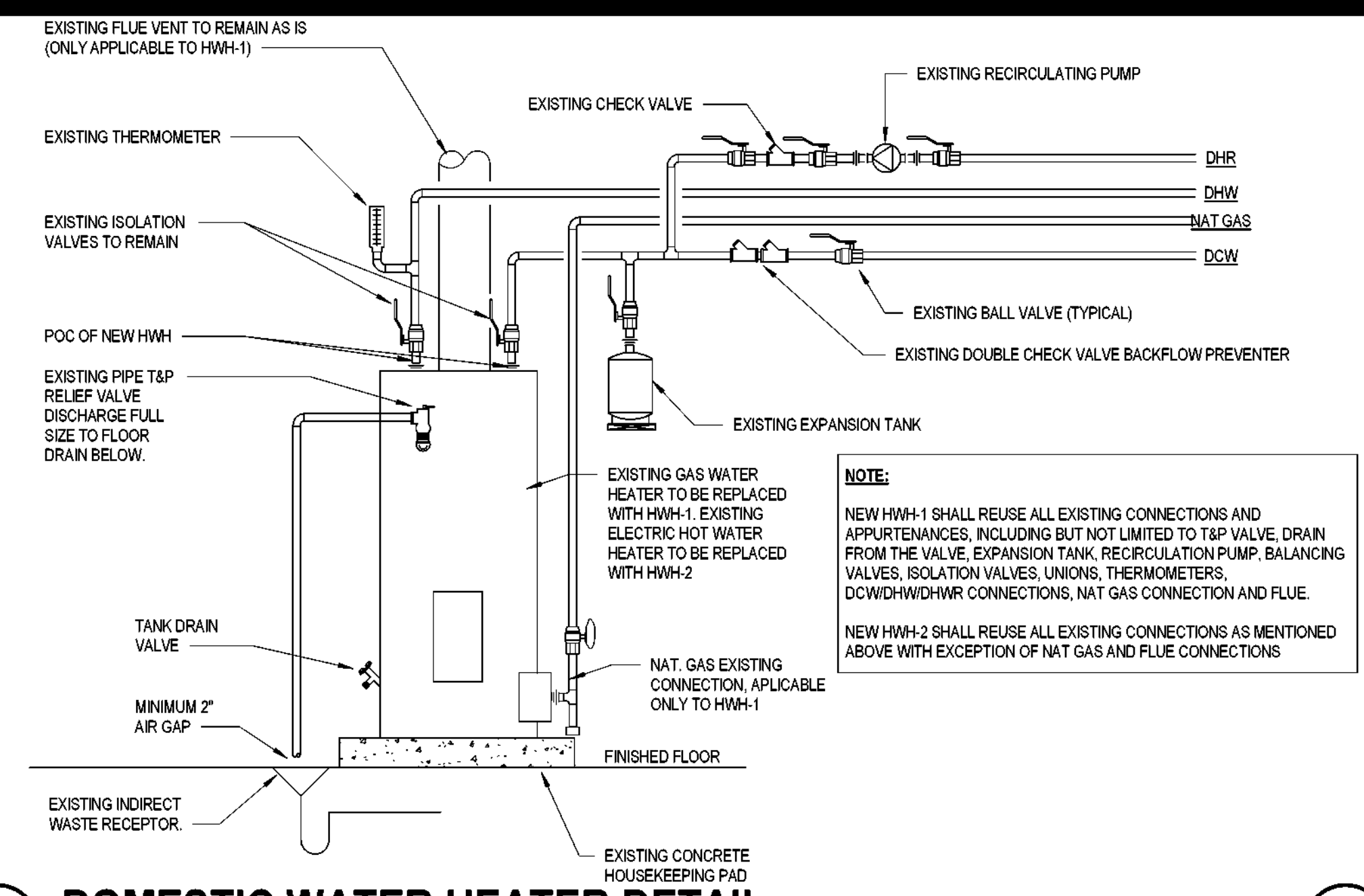
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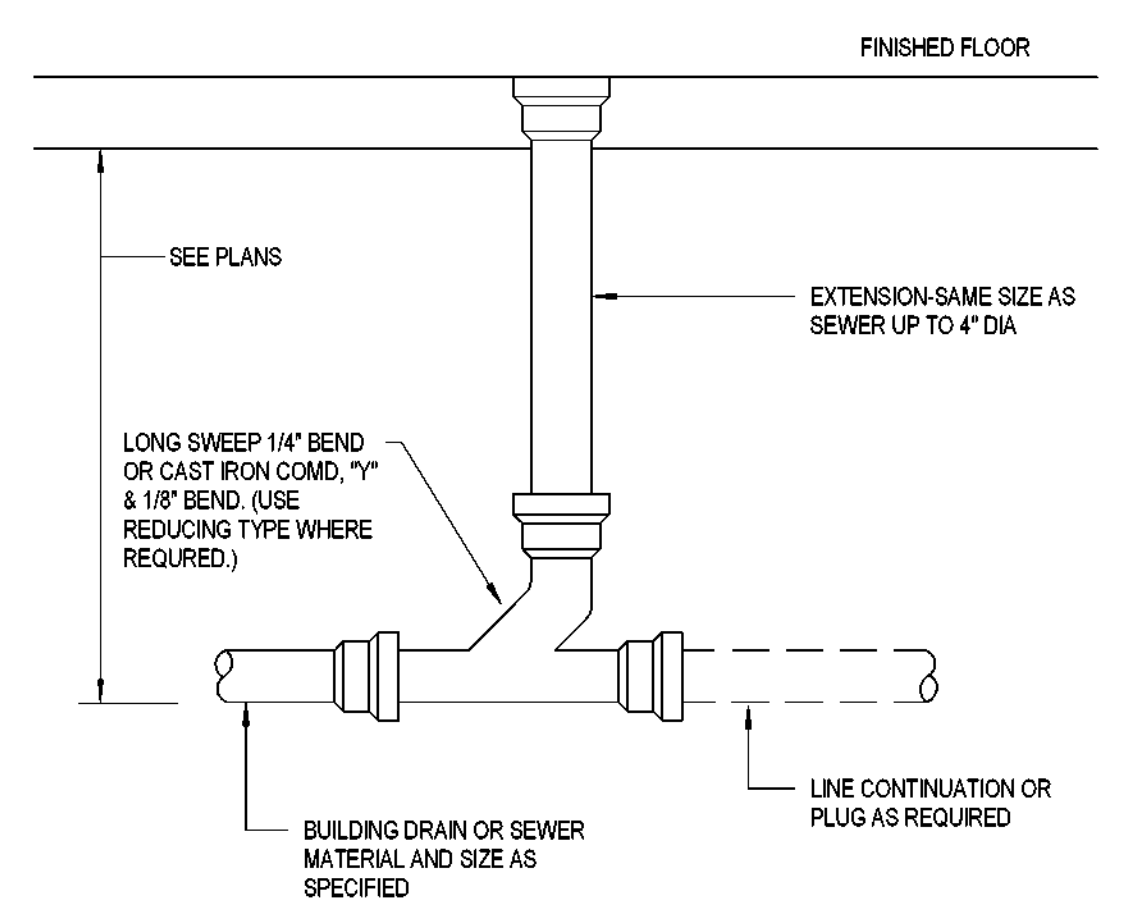
1 FINISHED FLOOR DRAIN
SCALE: 1/8" = 1'-0"



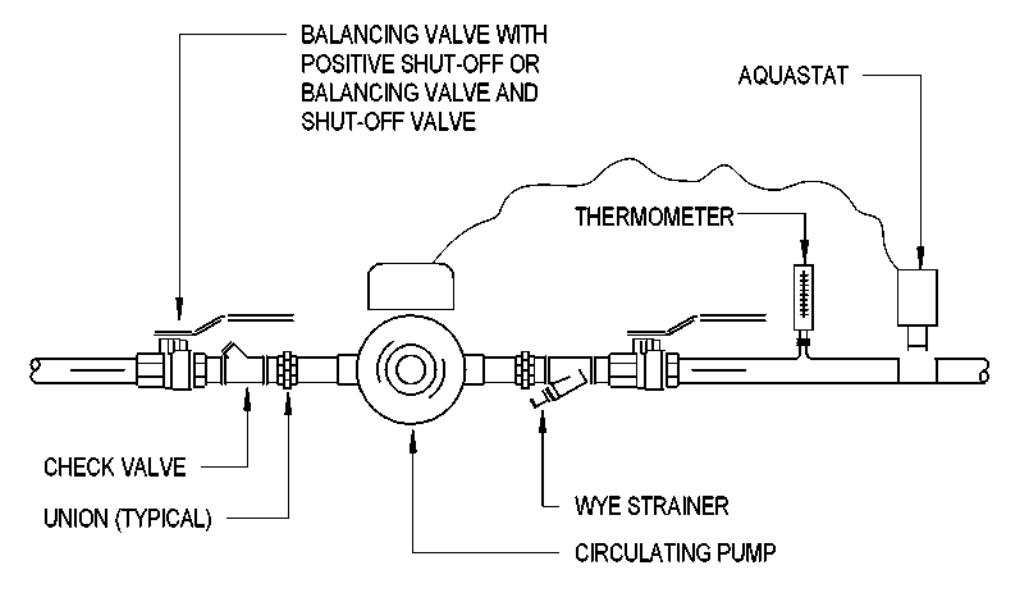
2 TYPICAL WALL CLEANOUT
SCALE: 1/8" = 1'-0"



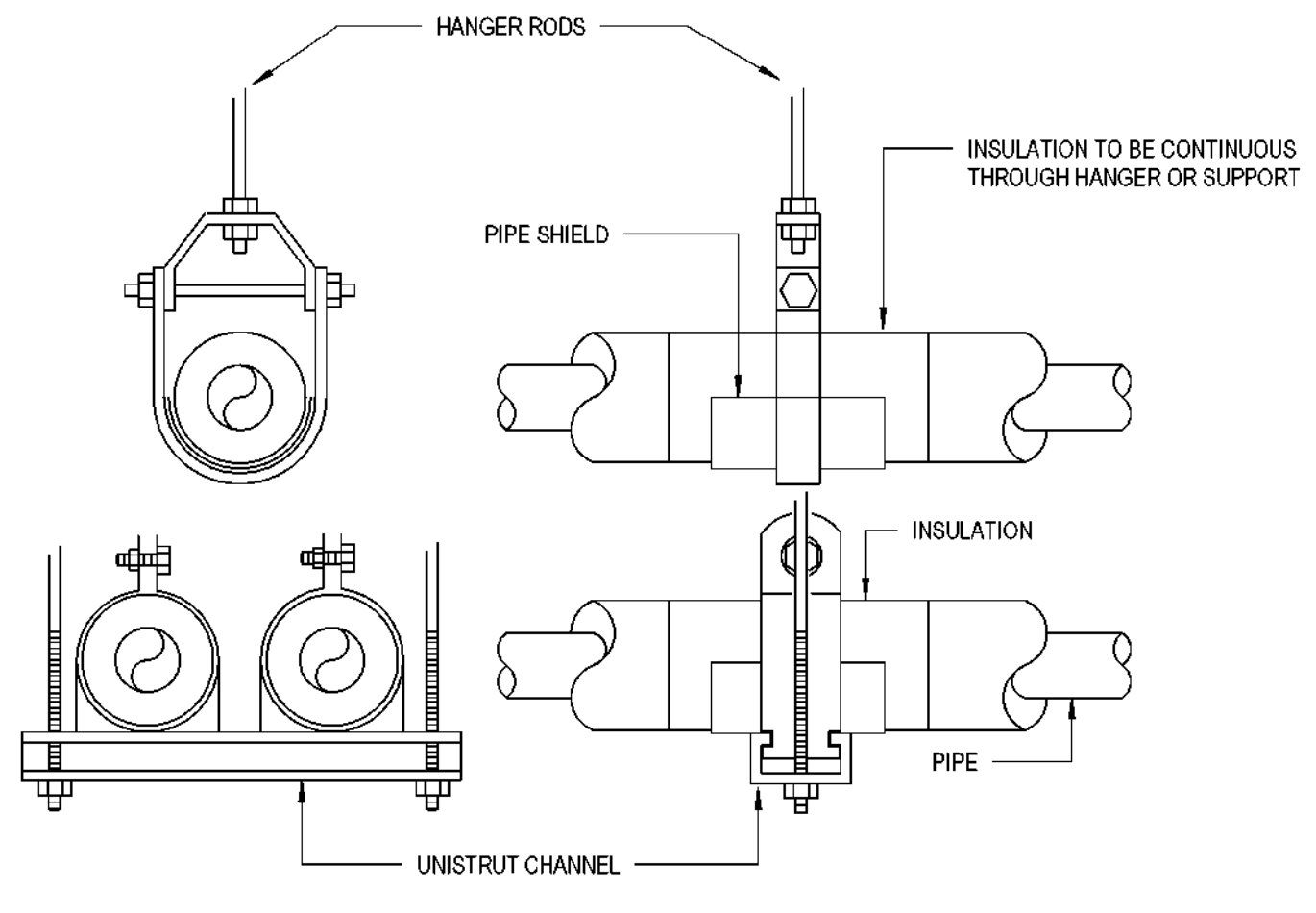
3 DOMESTIC WATER HEATER DETAIL
SCALE: 1/8" = 1'-0"



4 FLOOR CLEANOUT
SCALE: 1/8" = 1'-0"



5 DOMESTIC HOT WATER RECIRC PUMP
SCALE: NONE

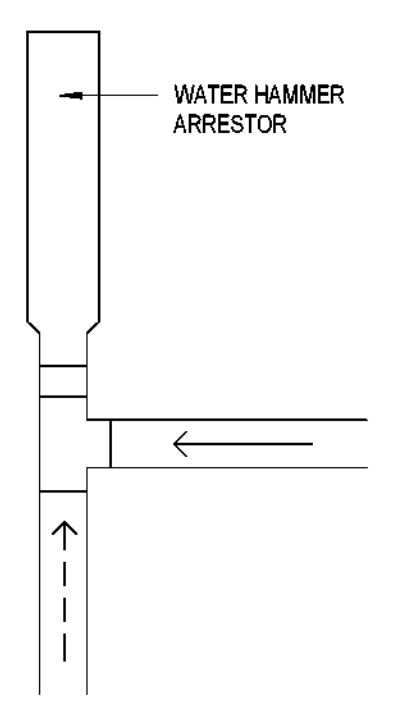


6 PIPE HANGER DETAIL
SCALE: NONE

WATER HAMMER SCHEDULE

PPP INC. MODEL #	PIPE SIZE	SIZE	AIR CHAMBER	FIXTURE UNIT CAPACITY
SC-500	1/2"	A	80 PSIG	1 TO 11
SC-750	3/4"	B	80 PSIG	12 TO 32
SC-1000	1"	C	80 PSIG	33 TO 60
SC-1200	1 1/4"	D	80 PSIG	61 TO 113
SC-1500	1 1/2"	E	80 PSIG	114 TO 164
SC-2000	2"	F	80 PSIG	165 TO 330

WATER HAMMERS SHALL MEET A.S.S.E. 1010 AND BE SIZED PER PDI STANDARDS



7 WATER HAMMER ARRESTER
SCALE: 1/8" = 1'-0"

ORG049 Greiner Exploratory Arts Academy
 501 S Edgelfield Ave
 Dallas, TX 75208



REVISION	DESCRIPTION	DATE

PROFESSIONAL SEAL

Page Southerland Page, Inc.
Firm Registration No. 15868

DRAWN BY		CHECKED BY	
AP		CP	
PROJECT NUMBER: 32AC23037		PROJECT ABBREVIATION: GEAA	
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION	DATE: 12 JULY 2024		

PLUMBING FIXTURE SCHEDULE table with columns: FIXTURE, TYPE, CW SUPPLY, HW SUPPLY, WASTE, VENT, MAX FLOW, and detailed specifications for DF-1, WC-1, UB-1, and LAV-1.

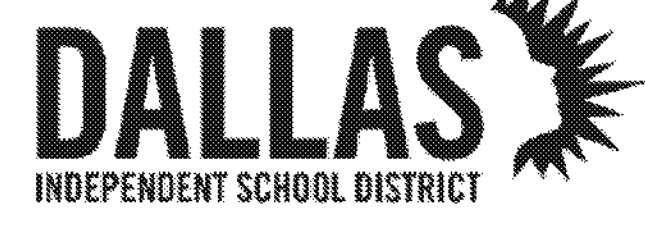
- NOTES:
1. PROVIDE MODEL NUMBERS INDICATED OR OWNER APPROVED EQUAL.
2. PLUMBING FIXTURES SHALL COMPLY WITH WATER REDUCTION USAGE REQUIREMENTS OF CDBG SECTION 4.303.1, 4.303.2 AND 5.303.3

DOMESTIC WATER HEATERS table with columns: TAG, LOCATION, SERVICE, MANUF, MODEL, BASIS OF DESIGN, INPUT (NATURAL GAS, ELECTRIC), AHRU, EFFICIENCY, TEMP, RECOVERY, STORAGE, ELECTRICAL, REDUNDANCY, WEIGHT, NOTES.

- NOTES:
1. ASME STAMPED AND ASHRAE 90.1 COMPLIANT; IAPWC AND UL LISTED.
2. COORDINATE AND VERIFY ELECTRICAL REQUIREMENTS PRIOR TO ORDERING.
3. TO BE EQUIPPED WITH DIGITAL KNOB VALVE.
4. TO BE EQUIPPED WITH CONVERSION KIT. LOCHINVAR 300109512, BRINGING IT TO 240V AND 4.5KW.

CITY OF DALLAS APPROVAL STAMP FOR PLUMBING FIXTURES

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REVISION HISTORY table with columns: NO., DESCRIPTION, DATE.

PROFESSIONAL SEAL stamp for CRAIG H. PETERSEN, LICENSED PROFESSIONAL ENGINEER, EXPIRES JULY 2024, Page Southerland Page, Inc., Firm Registration No. 15868.

PLUMBING - SCHEDULES table with columns: DRAWN BY, CHECKED BY, PROJECT NUMBER, PROJECT ABBREVIATION, ORIGINAL ISSUE, DATE, 100% ISSUE FOR CONSTRUCTION.

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DATEPLOT: 7/25/2024 3:38:36 PM

MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION	DUCTWORK SYMBOLS	FITTINGS	DESCRIPTION	DOUBLELINE	SINGLE LINE	GENERAL NOTES
ABV	ABOVE	HB	HOSE BIBB	GENERAL	BLIND FLANGE	DIRECTION OF FLOW			<ol style="list-style-type: none"> REFER TO ARCHITECTURAL DRAWINGS FOR MOST ACCURATE LOCATIONS OF WALLS, CEILING GRIDS AND OTHER ARCHITECTURAL ELEMENTS. SHIFT LOCATION OF DIFFUSERS AS REQUIRED TO CONFORM TO ARCHITECTURAL CEILING GRID. WHERE DIFFUSER LOCATIONS ON ARCHITECTURAL AND MECHANICAL DRAWINGS DIFFER SIGNIFICANTLY, NOTIFY ENGINEER. INSTALL BALANCING DAMPER AT BRANCH TAKE-OFF TO EVERY SUPPLY REGISTER AND EVERY EXHAUST REGISTER. DO NOT INSTALL DAMPERS IN TRANSFER DUCTS. THERMOSTATS SHALL BE MOUNTED AT 48" A.F.F., WITH ALL CONTROL BUTTONS AND OPERATORS NOT HIGHER THAN 48" A.F.F. PROGRAM EACH THERMOSTAT, SCHEDULES AND TEMPERATURES TO SUIT OWNER'S NEED. GIVE OWNER A RECORD OF ALL SETTINGS. DUCT SHALL BE GALVANIZED SHEET METAL EXCEPT WHERE NOTED. CONFORM TO SMACNA DUCT CONSTRUCTION STANDARDS AND MECHANICAL CODE. CONNECT TO REGISTERS WITH FLEX MASTER TYPE 8 INSULATED (MINIMUM R-VALUE EQUAL TO R-8) OR EQUIVALENT FLEX DUCT. EXCEPT WHERE NOTED, DO NOT USE MORE THAN 6 FOOT LENGTH FLEX DUCT TO CONNECT TO A REGISTER. PROVIDE AND INSTALL ALL DUCT TRANSITIONS AND OFFSETS AS REQUIRED ALTHOUGH NOT SHOWN. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF THE WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE HIS WORK WITH OTHER TRADES, PARTICULARLY TO PREVENT THE WORK OF OTHER TRADES ENTERING SPACE REQUIRED FOR DUCT AND HVAC EQUIPMENT. DO NOT OPERATE HVAC EQUIPMENT DURING OTHER CONSTRUCTION OPERATIONS UNLESS ALL RETURN INLETS ARE PROTECTED WITH TEMPORARY FILTERS. ALL DUCT AND HVAC EQUIPMENT SHALL BE COMPLETELY CLEAN INTERNALLY UPON COMPLETION OF WORK. PERFORM AIR BALANCE TO ALL CFM FLOWS INDICATED. PROVIDE MARKED UP PLANS INDICATING FINAL BALANCING DATA. COMPLETE AND ADJUST SYSTEMS TO PROPER OPERATION. DEMONSTRATE PROPER OPERATION OF ALL SYSTEMS TO OWNER'S PERSONNEL PRIOR TO COMPLETION OF WORK. HYDRONIC SYSTEMS SHALL BE COMMISSIONED IN ACCORDANCE TO IECC 2021. ALL EQUIPMENT ABOVE CEILING SPACE TO MAINTAIN MANUFACTURER REQUIRED AND CODE REQUIRED CLEARANCES. NOT ALL PIPING OFFSETS ARE INDICATED ON PLAN. COORDINATE ROUTING OF PIPING WITH OTHER HVAC SYSTEMS AND OTHER DISCIPLINES. PROVIDE OFFSETS AND RISERS IN JOIST WHERE REQUIRED TO AVOID CONFLICTS. ARRANGE PIPING, PARTICULARLY ABOVE CEILING, AS REQUIRED TO CLEAR STRUCTURE, DUCTS, CONDUIT, ETC. ALLOWING SPACE FOR PIPE HANGERS, EXPANSION LOOPS AND ACCESS TO VALVES, FILTERS AND MAINTENANCE OF EQUIPMENT. FURNISH AIR VENTS AT ALL HIGH SPOTS ON HYDRONIC PIPING. COORDINATE LOCATION OF ALL HVAC EQUIPMENT, DUCT PENETRATIONS, AND PIPE PENETRATIONS WITH STRUCTURAL ENGINEER PRIOR TO CREATING OPENINGS OR SETTING EQUIPMENT. PLENUM SPACE ABOVE ALL CEILINGS IS THE RETURN AIR PLENUM. ALL MATERIALS WITHIN OR IN CONTACT WITH THE PLENUM SHALL BE PLENUM RATED. DRAINS FROM CONDENSATE DRAIN PANS SHALL BE TRAPPED. SLOPE CONDENSATE PIPE PER CODE. PROVIDE 1/2" DRAIN VALVES AND CAPPED CONNECTIONS AT LOW POINTS IN PIPING SYSTEMS FOR DRAINAGE. CORRECT SETTING ON BALANCING FITTINGS SHALL BE PERMANENTLY MARKED. PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATION. ADDITIONAL SUPPORTS OR HANGERS SHALL BE ADJACENT TO ELBOWS TO PREVENT WEIGHT OF PIPING BEING PLACED ON THE EQUIPMENT. ALL CHILLED WATER ACCESSORIES MATERIAL SHALL BE ONLY BRASS OR BRONZE NICKEL. PROVIDE UNION OR FLANGED CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON BOTH SIDES OF CONTROL VALVES AND PRESSURE REGULATING VALVES. PROVIDE SHUT-OFF VALVES ON BOTH SIDES OF AUTOMATIC VALVES. REFER TO SPECIFICATIONS FOR DUCTWORK AND PIPING INSULATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS INDICATE CLEAR INSIDE DIMENSIONS. INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER. CONTRACTOR SHALL SUBMIT FULLY COORDINATED SHOP DRAWINGS SHOWING ALL MECHANICAL EQUIPMENT AND DEVICES FOR REVIEW BY THE DESIGN TEAM PRIOR TO ROUGH-IN. CONTRACTOR SHALL INCLUDE ALL PROPOSED EQUIPMENT LOCATIONS IN DRAWINGS. THIS INCLUDES ALL MAJOR EQUIPMENT ROOMS. LOCATIONS OF MECHANICAL EQUIPMENT AND DEVICES ARE DIAGRAMMATIC. EXACT LOCATIONS SHALL BE COORDINATED WITH OTHER DISCIPLINES AND DETERMINED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN. SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH NOT LESS THAN R-8 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES, AND NOT LESS THAN R-8 WHERE LOCATED OUTSIDE, PER IECC SEC. C403.12.1. CONTRACTOR TO NOT ORDER NEW EQUIPMENT BEFORE VERIFYING THE POWER REQUIREMENT OF NEW UNITS ARE COMPATIBLE WITH THE EXISTING CIRCUITS. NEW AIR HANDLING UNITS TO BE DISASSEMBLED TO BE TAKEN THROUGH EXISTING 3FT DOORS AND REASSEMBLED IN THE MECHANICAL ROOM TO PROVIDE A COMPLETE WORKING UNIT.
AC	ABOVE CEILING	HP	HORSEPOWER		CAP	DUCT SIZE, FIRST FIGURE IS SIDE SHOWN (DIMENSIONS ARE CLEAR INSIDE)			
ACC	AIR CONDITIONED	HR	HOUR		POINT OF CONNECTION				
ACC	AIR COOLED CHILLER	HGT	HIGH, HEIGHT		POINT OF DISCONNECT				
AD	ACCESS DOOR	HVAC	HEATING/VENTILATING/ AIR CONDITIONING		COUPLING (JOINT)				
AFF	ABOVE FINISHED FLOOR	HMP	HOT WATER PUMP		CROSS				
AHU	AIR HANDLING UNIT	HZ	HERTZ		ELBOW, 90°				
AMCA	AIR MOVING AND CONDITIONING ASSOCIATION, INC.	ID	INSIDE DIAMETER		ELBOW, 45°				
AP	ACCESS PANEL	IE	INVERT ELEVATION (FLOW LINE)		ELBOW, REDUCING (SHOW SIZE)				
APPROX	APPROXIMATE	IN	INCHES		ELBOW, SHORT RADIUS				
ARCH	ARCHITECTURAL	IN WG	INCHES OF WATER		PIPE DROP				
ARI	AIR CONDITIONING & REFRIGERATION INSTITUTE	KW	KILOWATT(S)		PIPE RISER				
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE	LAT	LEAVING AIR TEMPERATURE		REDUCER, CONCENTRIC				
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	LBS	POUNDS		REDUCER, ECCENTRIC				
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	LDB	LEAVING DRY-BULB TEMPERATURE		TEE				
AV	AUTOMATIC AIR VENT ASSEMBLY	LVR	LOUVER		TEE, OUTLET UP				
B	BOILER	MA	MIXED AIR		TEE, OUTLET DOWN				
BDD	BACK DRAFT DAMPER	MAU	MAKEUP AIR HANDLING UNIT		TEE, REDUCING (SHOW SIZES)				
BHP	BRAKE HORSEPOWER	MAX	MAXIMUM		TEE, REDUCING (SHOW SIZES)				
BI	BACKWARD INCLINED	MD	MANUAL DAMPER		TEE, REDUCING (SHOW SIZES)				
BLDG	BUILDING	MECH	MECHANICAL		TEE, REDUCING (SHOW SIZES)				
BOD	BOTTOM OF DUCT	MIN	MINIMUM		TEE, REDUCING (SHOW SIZES)				
BOP	BOTTOM OF PIPE	NA	NOT APPLICABLE		TEE, REDUCING (SHOW SIZES)				
BSMT	BASEMENT	NC	NOISE CRITERIA		TEE, REDUCING (SHOW SIZES)				
CFM	CUBIC FEET PER MINUTE	N.C.	NORMALLY CLOSED		TEE, REDUCING (SHOW SIZES)				
CH	CHILLER	(N)	NEW		TEE, REDUCING (SHOW SIZES)				
CHP	CHILLED WATER PUMP	NO	NORMALLY OPEN		TEE, REDUCING (SHOW SIZES)				
CHS/R	CHILLED WATER SUPPLY / RETURN	NTS	NOT TO SCALE		TEE, REDUCING (SHOW SIZES)				
CLG	CEILING	OA	OUTSIDE AIR		TEE, REDUCING (SHOW SIZES)				
CO	CLEANOUT	OD	OPPOSED BLADE DAMPER		TEE, REDUCING (SHOW SIZES)				
COND	CONDENSATE	OB	OUTSIDE DIAMETER		TEE, REDUCING (SHOW SIZES)				
CONN	CONNECTION	PBD	PARALLEL BLADE DAMPER		TEE, REDUCING (SHOW SIZES)				
CONT	CONTINUATION	PCHP	PRIMARY CHILLED WATER PUMP		TEE, REDUCING (SHOW SIZES)				
CP	CONTROLLABLE PITCH	PD	PRESSURE DROP OR DIFFERENCE		TEE, REDUCING (SHOW SIZES)				
CT	COOLING TOWER	PH	PHASE		TEE, REDUCING (SHOW SIZES)				
CU	CONDENSING UNIT	PPB	PARTS PER BILLION		TEE, REDUCING (SHOW SIZES)				
CW	COLD WATER	PRESS	PRESSURE		TEE, REDUCING (SHOW SIZES)				
CWP	CONDENSING WATER PUMP	PRV	PRESSURE REDUCING VALVE		TEE, REDUCING (SHOW SIZES)				
CL	CENTER LINE	PSIG	POUNDS PER SQUARE INCH (GAUGE)		TEE, REDUCING (SHOW SIZES)				
D	DRAIN	RA	RETURN AIR		TEE, REDUCING (SHOW SIZES)				
DB	DRY BULB	RE-4M8.01	REFER TO DETAIL 4, SHEET M8.01		TEE, REDUCING (SHOW SIZES)				
DCP	DATA COLLECTION PANEL	REF	REFERENCE, CALLED OUT ELSEWHERE		TEE, REDUCING (SHOW SIZES)				
DDC	DIRECT DIGITAL CONTROL	RH	RELATIVE HUMIDITY		TEE, REDUCING (SHOW SIZES)				
DEG	DEGREE	RPM	REVOLUTIONS PER MINUTE		TEE, REDUCING (SHOW SIZES)				
DG	DOOR GRILLE	RTU	ROOF TOP UNIT		TEE, REDUCING (SHOW SIZES)				
DIA	DIAMETER	SA	SUPPLY AIR		TEE, REDUCING (SHOW SIZES)				
DPT	DEW POINT TEMPERATURE	SCH	SCHEDULE		TEE, REDUCING (SHOW SIZES)				
DWG	DRAWING	SCHP	SECONDARY CHILLED WATER PUMP		TEE, REDUCING (SHOW SIZES)				
DX	DIRECT EXPANSION	SD	SMOKE DAMPER		TEE, REDUCING (SHOW SIZES)				
EA	EACH	SF	SUPPLY FAN		TEE, REDUCING (SHOW SIZES)				
EAT	ENTERING AIR TEMPERATURE	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION		TEE, REDUCING (SHOW SIZES)				
EDB	ENTERING DRY-BULB TEMPERATURE	SP	STATIC PRESSURE		TEE, REDUCING (SHOW SIZES)				
EDH	ELECTRIC DUCT HEATER	SQ.FT	SQUARE FEET		TEE, REDUCING (SHOW SIZES)				
EF	EXHAUST FAN	STD	STANDARD		TEE, REDUCING (SHOW SIZES)				
EFF	EFFICIENCY	SW	SWITCH		TEE, REDUCING (SHOW SIZES)				
ELEC	ELECTRICAL	TEMP	TEMPERATURE		TEE, REDUCING (SHOW SIZES)				
ELEV	ELEVATION	T'STAT	THERMOSTAT		TEE, REDUCING (SHOW SIZES)				
EG	EXHAUST GRILLE	TXV	THERMOSTATIC EXPANSION VALVE		TEE, REDUCING (SHOW SIZES)				
EHC	ELECTRICAL HEATING COIL	TYP	TYPICAL		TEE, REDUCING (SHOW SIZES)				
ENT	ENTERING	UF	UNDER FLOOR		TEE, REDUCING (SHOW SIZES)				
EQUIP	EQUIPMENT	UH	UNIT HEATER		TEE, REDUCING (SHOW SIZES)				
ER	EXHAUST REGISTER	UL	UNDERWRITERS LABORATORIES		TEE, REDUCING (SHOW SIZES)				
ESP	EXTERNAL STATIC PRESSURE	V-12	CONTROL VALVE NUMBER		TEE, REDUCING (SHOW SIZES)				
EWB	ENTERING WET-BULB TEMPERATURE	VB	VALVE BOX		TEE, REDUCING (SHOW SIZES)				
EWT	ENTERING WATER TEMPERATURE	VEL	VELOCITY		TEE, REDUCING (SHOW SIZES)				
EXH	EXHAUST	VENT	VENTILATE		TEE, REDUCING (SHOW SIZES)				
(E)	EXISTING	VF	VENTILATION FAN		TEE, REDUCING (SHOW SIZES)				
F	FAHRENHEIT	VOL	VOLUME		TEE, REDUCING (SHOW SIZES)				
FA	FACE AREA	VOLT	VOLTAGE		TEE, REDUCING (SHOW SIZES)				
FCU	FAN COIL	W	WIDE, WIDTH		TEE, REDUCING (SHOW SIZES)				
FCU	FAN COIL UNIT	WT	WITH		TEE, REDUCING (SHOW SIZES)				
FD	FIRE DAMPER	WB	WET BULB		TEE, REDUCING (SHOW SIZES)				
FEF	FUME EXHAUST FAN	W/O	WITHOUT		TEE, REDUCING (SHOW SIZES)				
FLEX	FLEXIBLE				TEE, REDUCING (SHOW SIZES)				
FLG	FLANGE				TEE, REDUCING (SHOW SIZES)				
FLR	FIRE DAMPER				TEE, REDUCING (SHOW SIZES)				
FM	FACTORY MUTUAL				TEE, REDUCING (SHOW SIZES)				
FO	FLAT OVAL DUCT				TEE, REDUCING (SHOW SIZES)				
FPM	FEET PER MINUTE				TEE, REDUCING (SHOW SIZES)				
FT	FEET, FOOT				TEE, REDUCING (SHOW SIZES)				
FS	FLOW SWITCH				TEE, REDUCING (SHOW SIZES)				
GAL	GALLON				TEE, REDUCING (SHOW SIZES)				
GALV	GALVANIZED				TEE, REDUCING (SHOW SIZES)				
GPM	GALLONS PER MINUTE				TEE, REDUCING (SHOW SIZES)				
GPD	GALLONS PER DAY				TEE, REDUCING (SHOW SIZES)				
GPH	GALLONS PER HOUR				TEE, REDUCING (SHOW SIZES)				
HWS/R	HOT WATER SUPPLY/ RETURN				TEE, REDUCING (SHOW SIZES)				

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REVISION HISTORY

MECHANICAL SYMBOLS & ABBREVIATIONS

DRAWN BY: Author
CHECKED BY: Checker
PROJECT NUMBER: 32AC23037
PROJECT ABBREVIATION: GEA
ORIGINAL DATE: 12JULY 2024
100% ISSUE FOR CONSTRUCTION

M-000
SHEET NUMBER

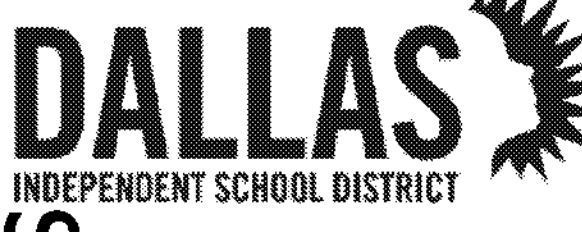
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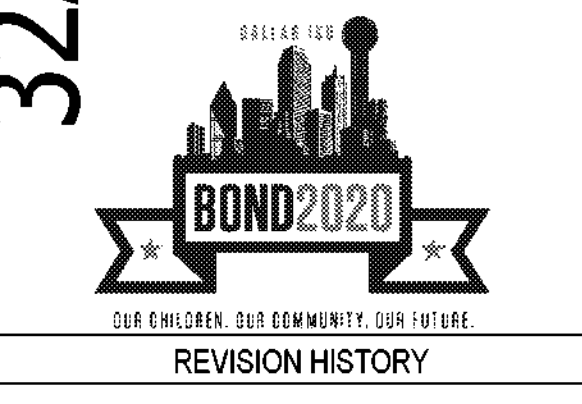
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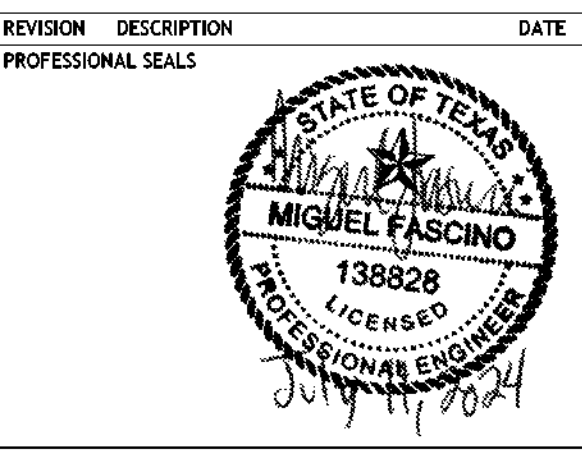
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MECHANICAL DEMOLITION PLAN - LEVEL 1 - AREA A	
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Author	Checker
PROJECT NUMBER	PROJECT ABBREVIATION
32AC23037	GEAA
ORIGINAL CODE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

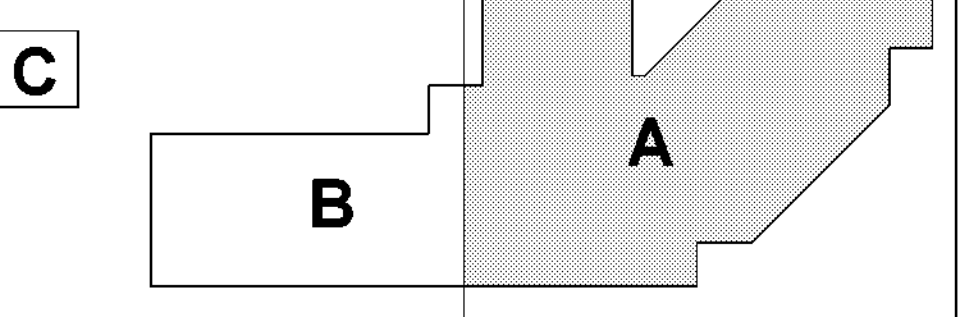
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MECH. GENERAL NOTES

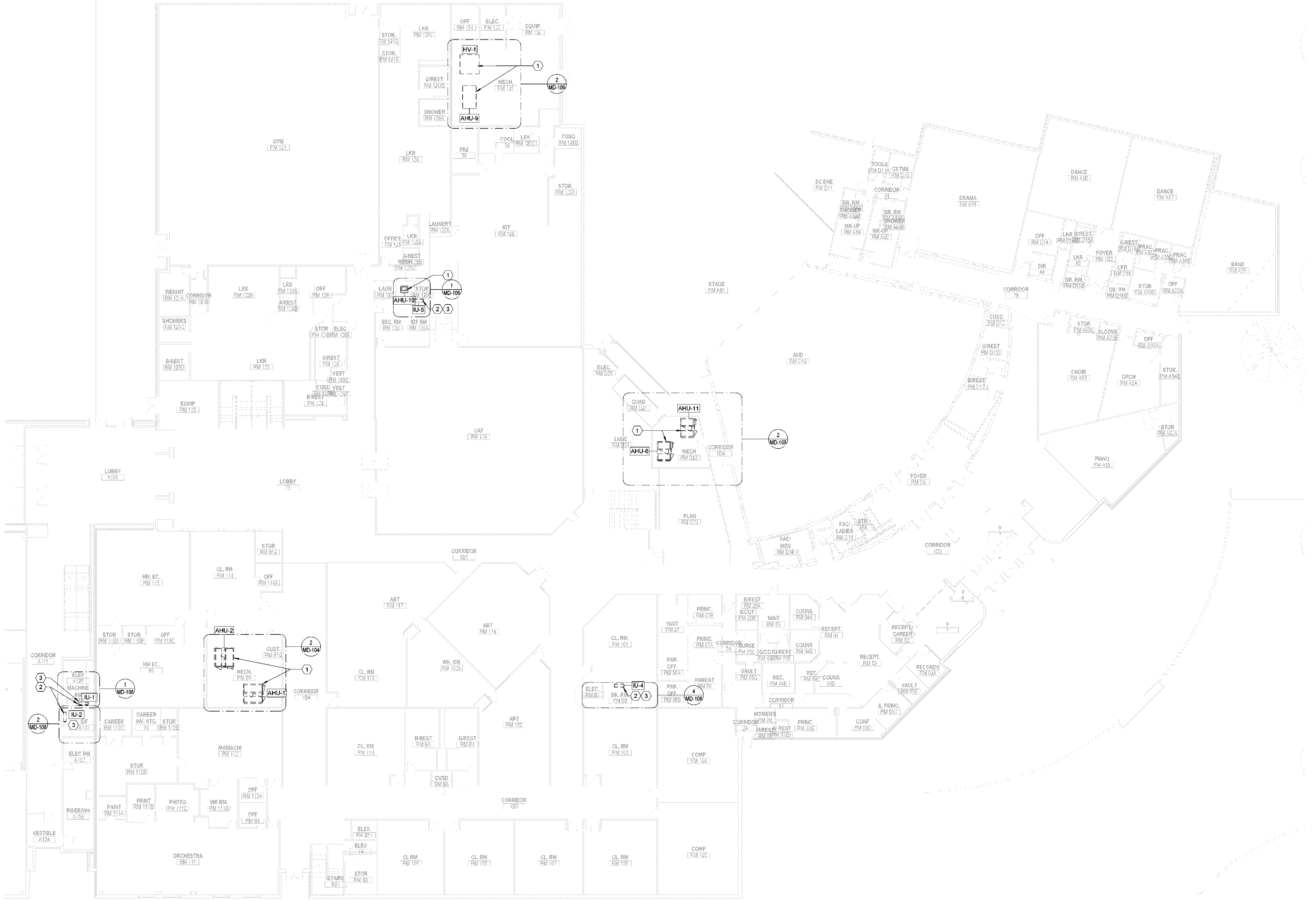
- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- DEMOLISH EXISTING AIR HANDLING UNIT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SCHEDULE AND SPECIFICATIONS AND DISCONNECT THE EXISTING AHU WITH THE INTENT TO ADAPT THE NEW AHU TO THE EXISTING DUCTWORK, HYDRONIC LINES, DRAIN LINES AND ELECTRICAL EXISTING EQUIPMENT PAD TO REMAIN.
- DEMOLISH INDOOR MINI SPLIT AND ASSOCIATED CONDENSATE PUMP. CONTRACTOR TO RECOVER AND PROPERLY DISCARD ALL REFRIGERANT. REUSE EXISTING REFRIGERANT LINES WHEREVER POSSIBLE. ANY REMAINING REFRIGERANT LINES SHALL BE PRESSURE TESTED AND FLUSHED PRIOR TO BEING REUSED.
- CONDENSATE DRAIN LINE CONNECTIONS SHALL BE ADAPTED TO THE NEW MINI SPLIT INDOOR UNIT. EXISTING CONDENSATE DRAIN LINES CAN BE REUSED WHEN IN OPERABLE CONDITION. CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE CONDENSATE DRAIN LINES REQUIRE ADDITIONAL REPAIRS BEYOND 20 FEET FROM THE NEW UNIT.



(NOT TO SCALE)



1 MECHANICAL DEMOLITION PLAN - LEVEL 01 - AREA A
SCALE: 1/16" = 1'-0"

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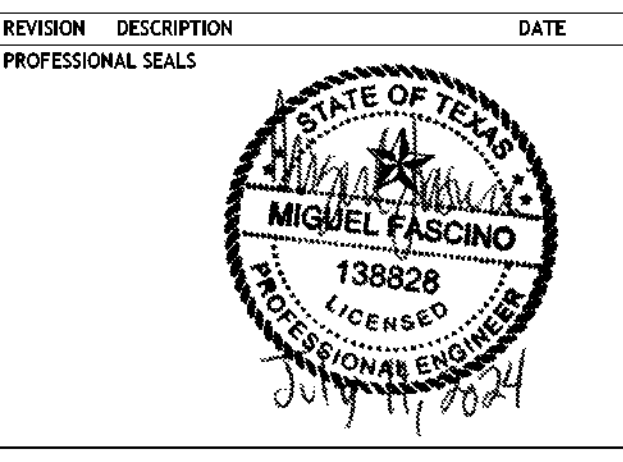
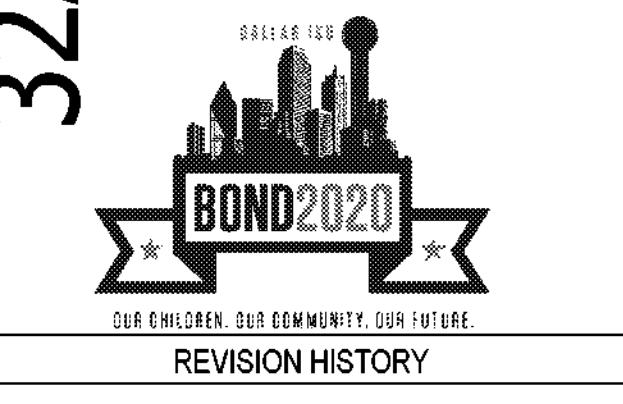
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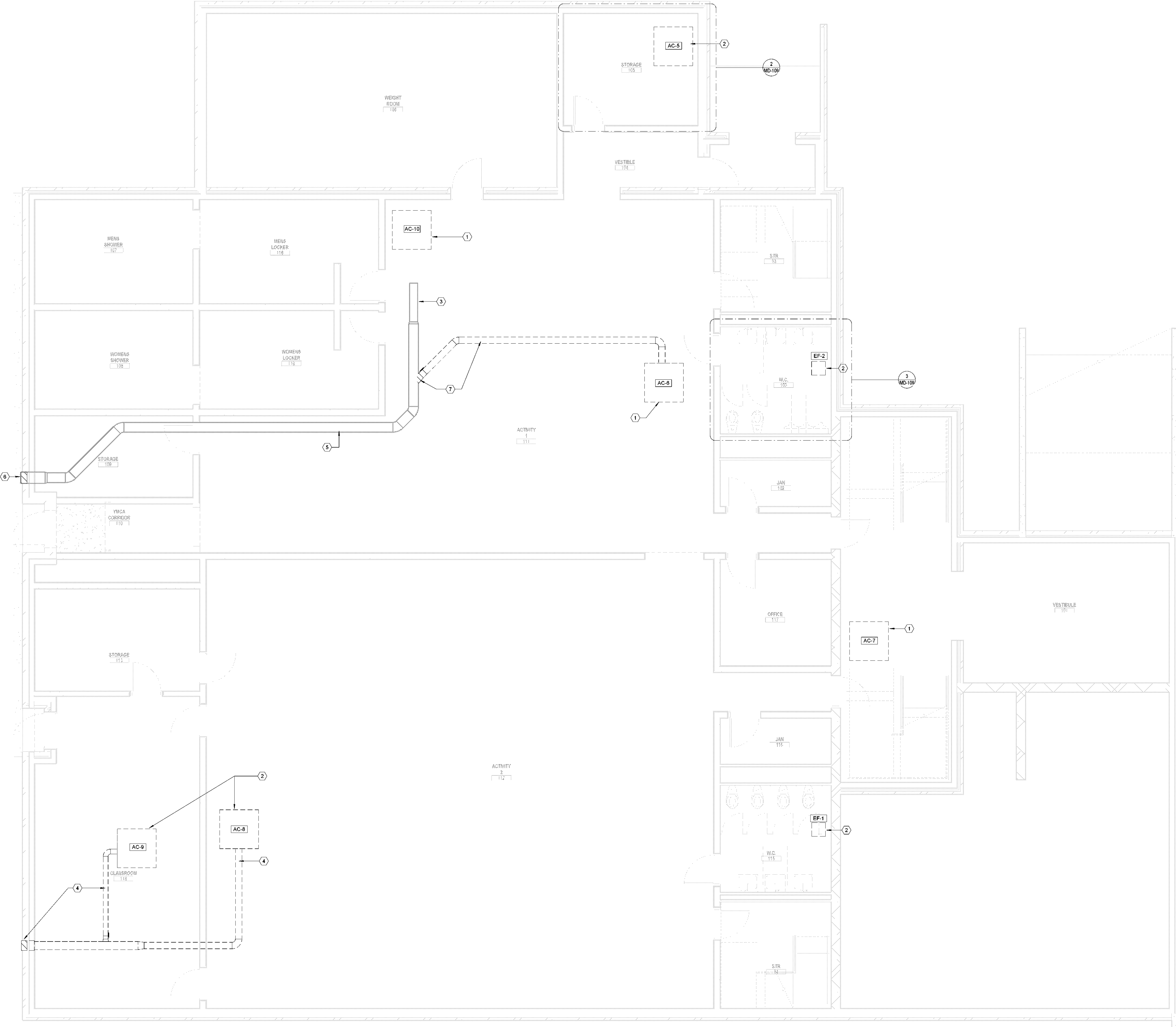
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MECHANICAL YMCA DEMOLITION PLAN - LEVEL 1 - AREA C

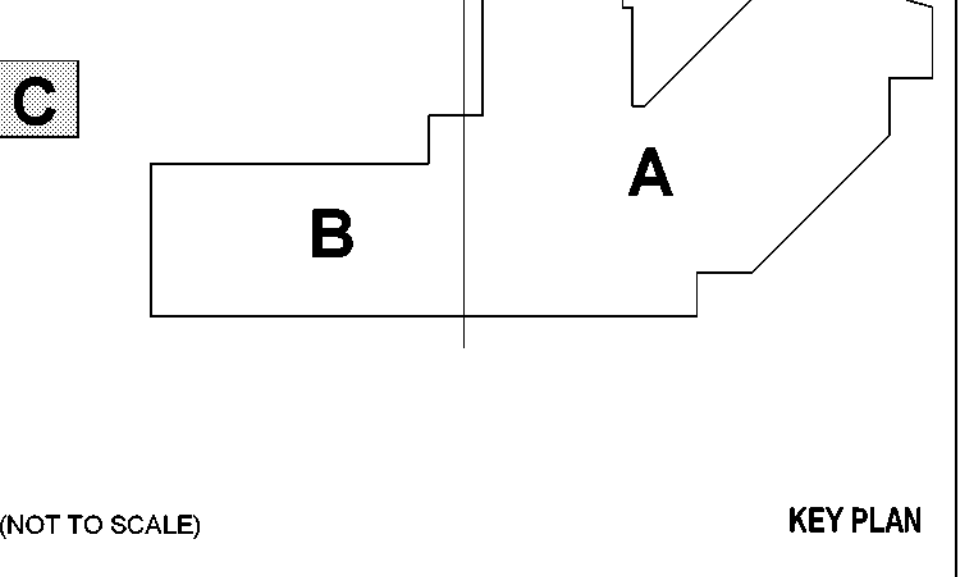
DRAWN BY: Author
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 PROJECT NUMBER: 32AC23037
 PROJECT ABBREVIATION: GEAA
 ORIGINAL DATE: 100% ISSUE FOR CONSTRUCTION
 DATE: 12 JULY 2024

MD-101-C
 SHEET NUMBER



- MECH. GENERAL NOTES**
- REFER TO M-000 FOR ALL GENERAL NOTES.
 - REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

- MECH. KEYED NOTES**
- REMOVE THE EXISTING INDOOR AIR HANDLING UNIT, DISCONNECT DUCTWORK, ELECTRICAL, DRAIN LINES, AND REFRIGERANT LINES WITH THE INTENT OF RECONNECTING THE NEW EQUIPMENT IN PLACE USING THE EXISTING UTILITIES AND DUCTWORK.
 - REMOVE THE EXISTING EXHAUST FAN, DISCONNECT DUCTWORK AND ELECTRICAL WITH THE INTENT OF INSTALLING THE NEW FAN IN PLACE USING THE EXISTING ELECTRICAL AND DUCTWORK.
 - EXISTING 10" Ø OA DUCT TO REMAIN IN PLACE WITH THE INTENT OF RECONNECTING IT TO THE NEW INDOOR UNIT TO BE INSTALLED.
 - DEMOLISH EXISTING OA LOUVER AND ASSOCIATED DUCTWORK.
 - ADJUST EXISTING OA DUCT TO SCHEDULED OA CFM FOR AC-10.
 - EXISTING OA LOUVER TO REMAIN.
 - DEMOLISH 8" Ø OA DUCT AND PROVIDE A PERMANENT CAP AT THE BRANCH CONNECTION. PERMANENT CAP SHALL BE MECHANICALLY FASTENED AND SEALED WITH MASTIC AIR TIGHT.



1 MECHANICAL YMCA DEMOLITION PLAN - LEVEL 01 - AREA C
 SCALE: 1/4" = 1'-0"

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REVISION HISTORY

REVISION	DESCRIPTION	DATE

PROFESSIONAL SEALS

STATE OF TEXAS
 MIGUEL FASCINO
 138828
 LICENSED MECHANICAL ENGINEER
 JULY 17, 2024

MECHANICAL DEMOLITION PLAN - LEVEL 2 - AREA A

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 Author: _____ Checker: _____
 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAR
 ORIGINAL ISSUE DATE: 12 JULY 2024
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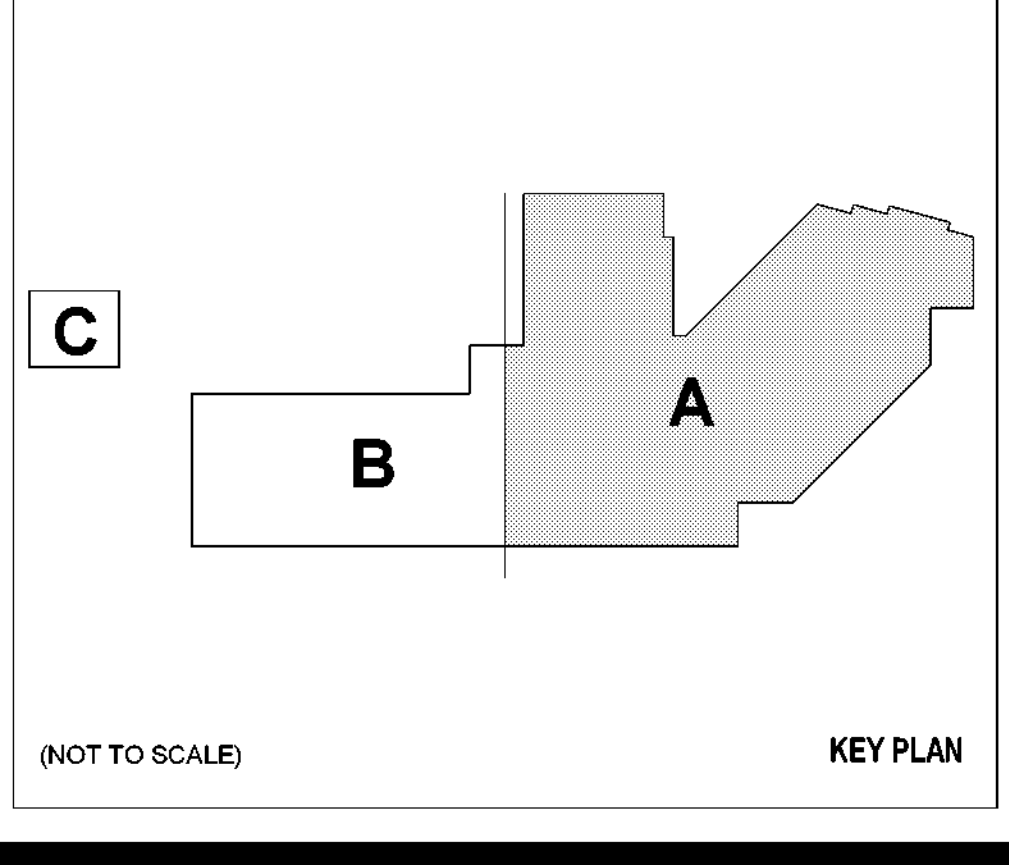
MD-102-A
 SHEET NUMBER

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- DEMOLISH EXISTING AIR HANDLING UNIT. REFER TO SCHEDULE. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATION BEING INSTALLED AND DISCONNECT THE EXISTING AHU WITH THE INTENT TO ADAPT THE NEW AHU TO THE EXISTING DUCTWORK, HYDRONIC LINES, AND ELECTRICAL. EXISTING EQUIPMENT PAD TO REMAIN.
- DEMOLISH INDOOR MINI SPLIT AND ASSOCIATED CONDENSATE PUMP. CONTRACTOR TO RECOVER AND PROPERLY DISCARD ALL REFRIGERANT. REUSE EXISTING REFRIGERANT LINES WHEREVER POSSIBLE. ANY REMAINING REFRIGERANT LINES SHALL BE PRESSURE TESTED AND FLUSHED PRIOR TO BEING REUSED.
- CONDENSATE DRAIN LINE CONNECTIONS SHALL BE ADAPTED TO THE NEW MINI SPLIT INDOOR UNIT. EXISTING CONDENSATE DRAIN LINES CAN BE REUSED WHEN IN OPERABLE CONDITION. CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE CONDENSATE DRAIN LINES REQUIRE ADDITIONAL REPAIRS BEYOND 20 FEET FROM THE NEW UNIT. PROVIDE NEW DRAIN LINES IF THE EXISTING ARE NOT REUSABLE.



1 MECHANICAL DEMOLITION PLAN - LEVEL 02 - AREA A
 SCALE: 1/16" = 1'-0"

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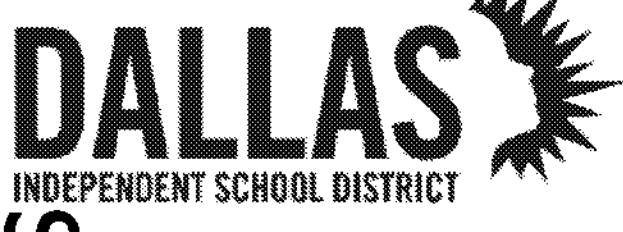
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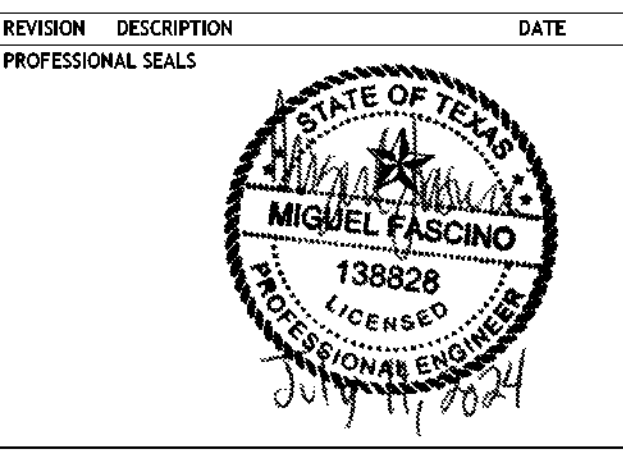
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MECHANICAL YMCA DEMOLITION PLAN - LEVEL 2 - AREA C
DRAWN BY: Author CHECKED BY: Checker
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION DATE: 12 JULY 2024

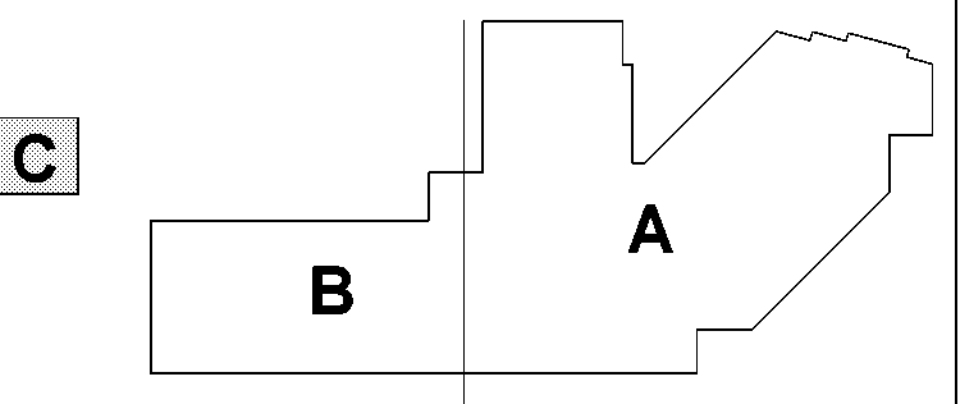
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MECH. GENERAL NOTES

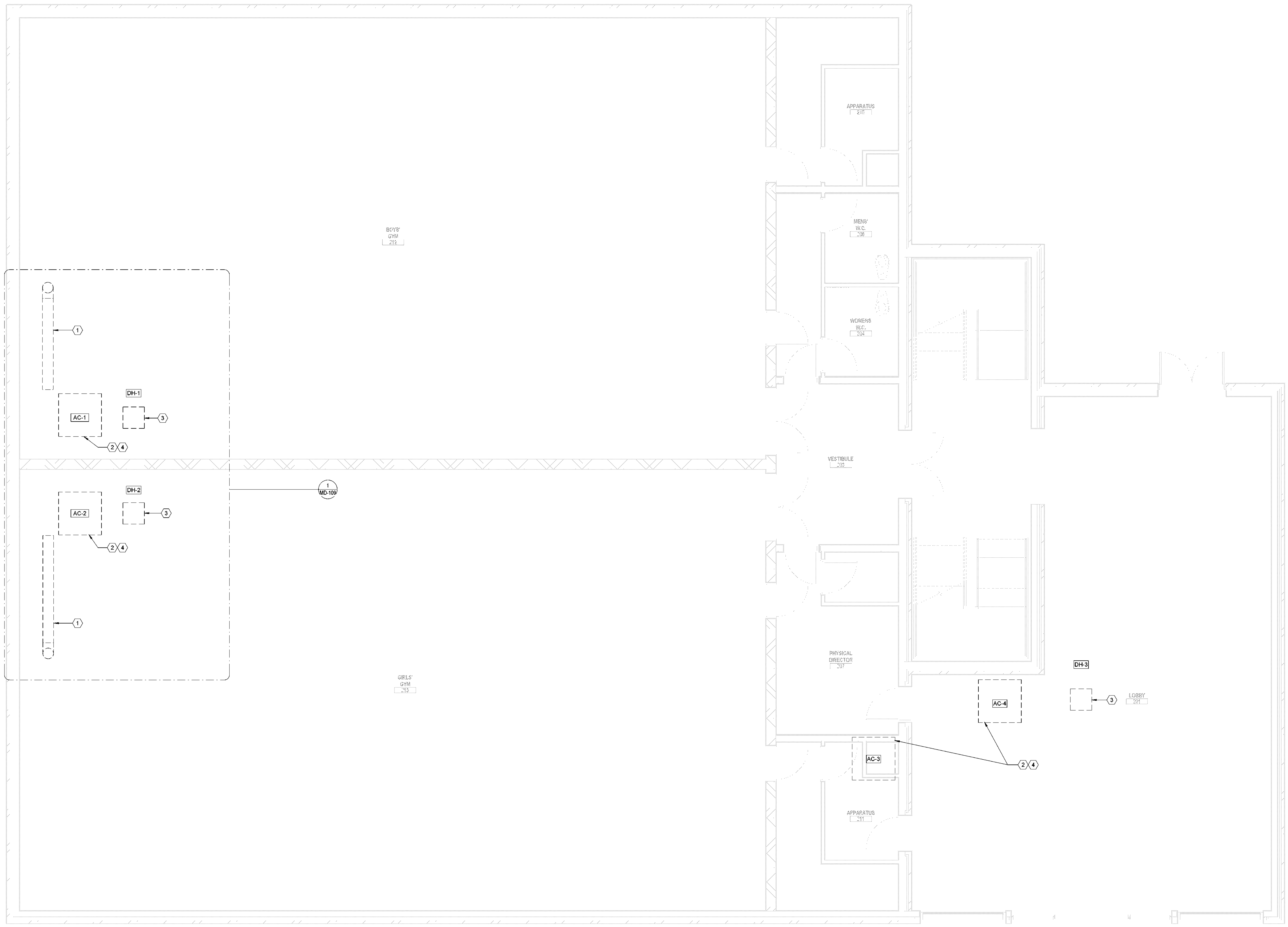
- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- DEMOLISH OA DUCT FROM INTAKE HOOD ABOVE.
- DISCONNECT AND REMOVE EXISTING INDOOR AIR HANDLER. REFER TO THE NEW EQUIPMENT BEING INSTALLED AND DISCONNECT THE EXISTING UNIT WITH THE INTENT OF RECONNECTING THE NEW UNIT TO THE EXISTING DUCTWORK, REFRIGERANT LINES, DRAINLINES, AND ELECTRICAL.
- DEMOLISH INLINE GAS HEATER. EXISTING NATURAL GAS SERVICE SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO NEW EQUIPMENT.
- EXISTING REFRIGERANT LINES MAY BE REUSED WHEREVER POSSIBLE. ANY LINES BEING REUSED SHALL BE PRESSURE TESTED AND FLUSHED.
- REROUTE REFRIGERANT LINES TO NEW ROOF PENETRATION FOR CU-3 AND CU-4 THROUGH ROOF DECK. SEE PITCH PAN DETAIL 8/M-502.



(NOT TO SCALE) KEY PLAN



1 MECHANICAL YMCA DEMOLITION PLAN - LEVEL 02 - AREA C
SCALE: 1/4" = 1'-0"

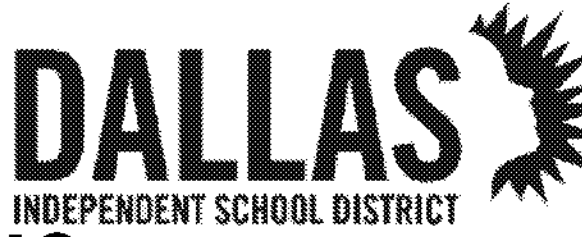
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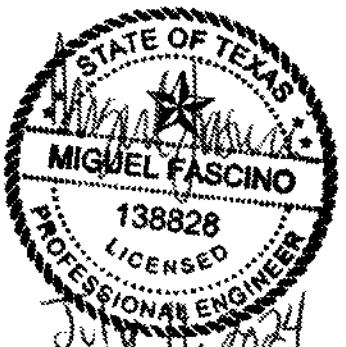


32AC23037- Greiner Exploratory Arts Academy
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REVISION HISTORY

REVISION	DESCRIPTION	DATE



MECHANICAL DEMOLITION PLAN
OVERALL - ROOF

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NUMBER	PROJECT ABBREVIATION
32AC23037	GEAA
ORIGINAL CODE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

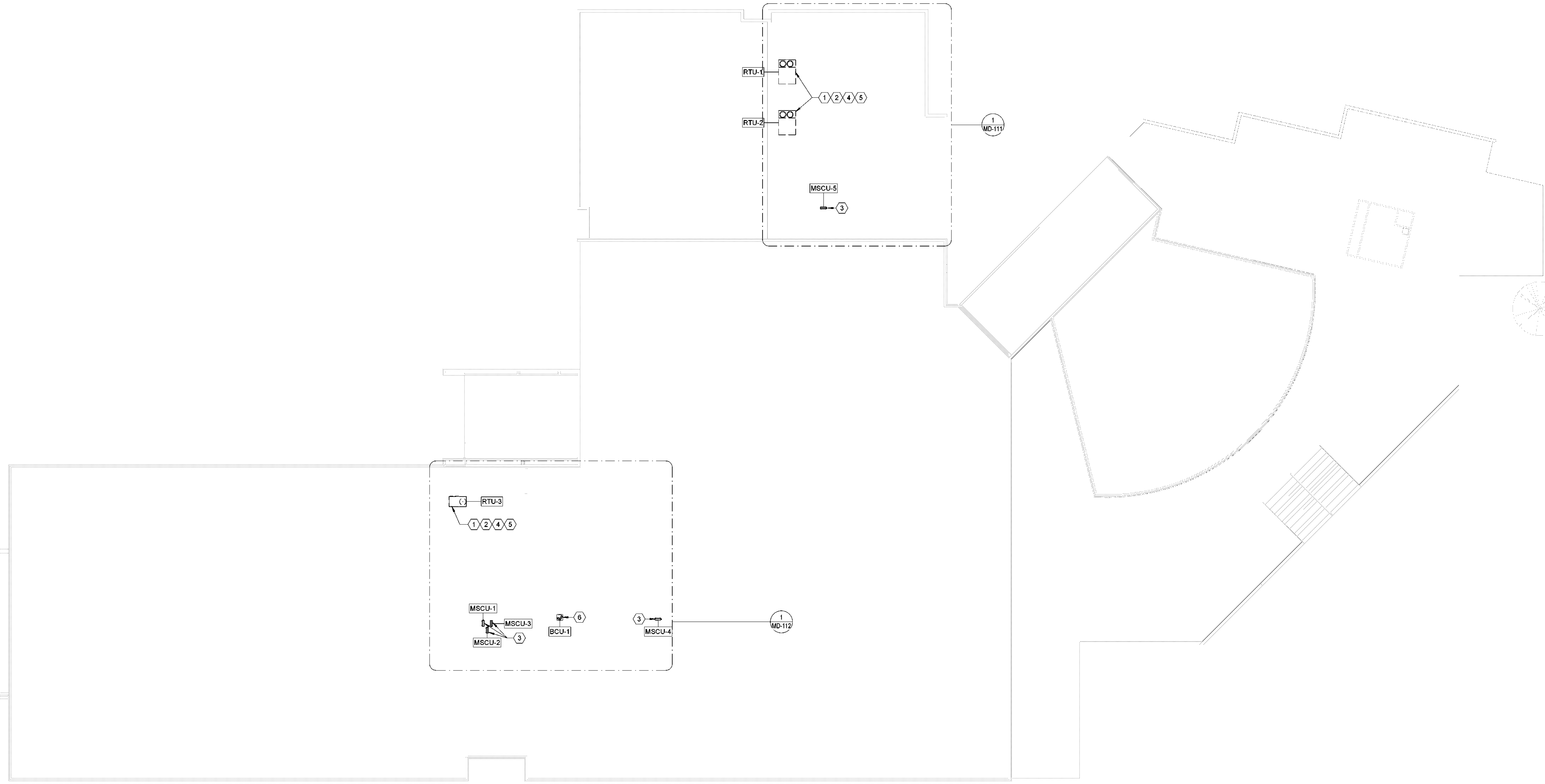
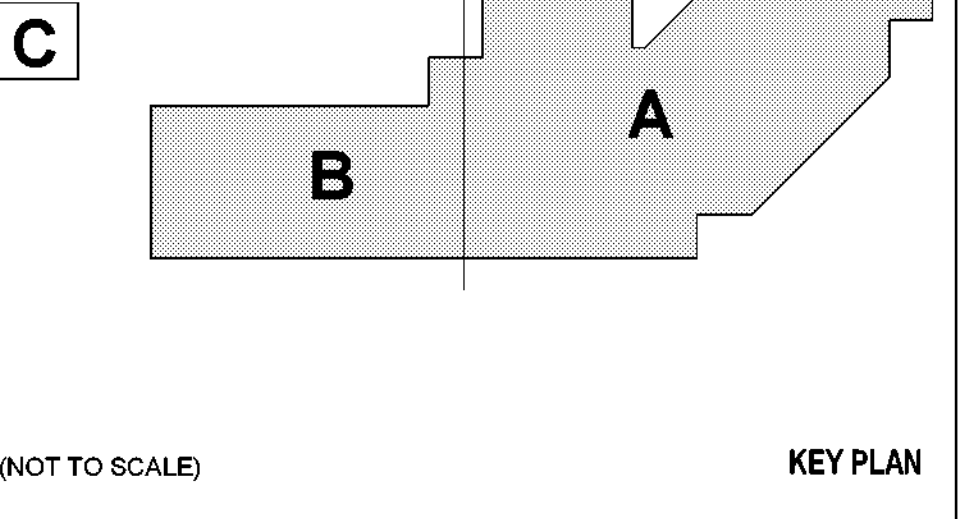
MD-103
SHEET NUMBER

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.
- CONTRACTOR SHALL REMOVE, RAISE, AND REINSTALL ALL CONDUIT, VENT PIPES, EQUIPMENT, GAS PIPING, ETC. IN ALL AREAS TO ACCOMMODATE NEW ROOF. COORDINATE WITH ARCHITECTURAL FOR ALL AREAS THAT REQUIRE A NEW ROOF.

MECH. KEYED NOTES

- CONDENSATE DRAIN LINE CONNECTIONS SHALL BE ADAPTED TO THE NEW PACKAGED RTU UNITS. EXISTING CONDENSATE DRAIN LINES CAN BE REUSED WHEN IN OPERABLE CONDITION. CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE CONDENSATE DRAIN LINES REQUIRE ADDITIONAL REPAIRS BEYOND 20 FEET FROM THE NEW UNIT.
- CONTRACTOR SHALL REMOVE AND DISCARD EXISTING PACKAGED ROOFTOP UNIT. EXISTING ELECTRICAL SERVICE, GAS SERVICE AND DRAIN LINES SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO THE NEW EQUIPMENT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE. EXISTING ROOF CURB SHALL REMAIN IN PLACE AND CURB ADAPTER SHALL BE PROVIDED FOR NEW PACKAGED UNIT.
- CONTRACTOR SHALL DEMOLISH EXISTING DUCTLESS MINI-SPLIT SYSTEM AND ASSOCIATED CONTROLS, WIRING AND PIPING.
- EXISTING NATURAL GAS SERVICE SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO NEW EQUIPMENT.
- EXISTING DUCTWORK SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO NEW EQUIPMENT. CONTRACTOR SHALL PROVIDE TEMPORARY COVERING FOR DUCTWORK DURING CONSTRUCTION.
- DEMOLISH EXISTING CONDENSING UNIT AND ASSOCIATED PIPING.



1 MECHANICAL DEMOLITION PLAN - OVERALL - ROOF
SCALE: 3/8" = 1'-0"

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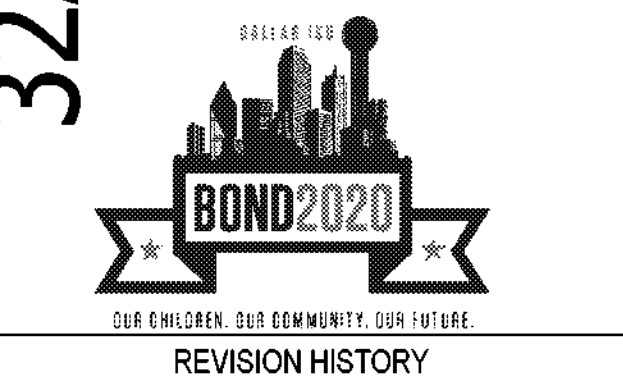
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Dallas, TX 75208



REVISION	DESCRIPTION	DATE

MECHANICAL YMCA DEMOLITION
PLAN - ROOF
DRAWN BY: Author
PROJECT NUMBER: 32AC23037
ORIGINAL DATE: 100% ISSUE FOR CONSTRUCTION
CHECKED BY: Checker
PROJECT ABBREVIATION: GEAA
DATE: 12JULY 2024

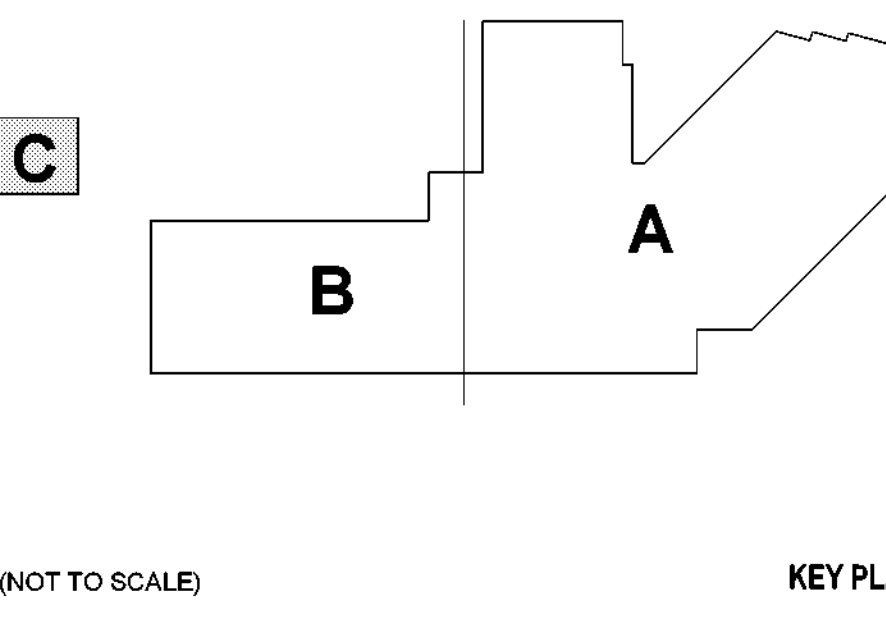
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SHEET NUMBER

MECH. GENERAL NOTES

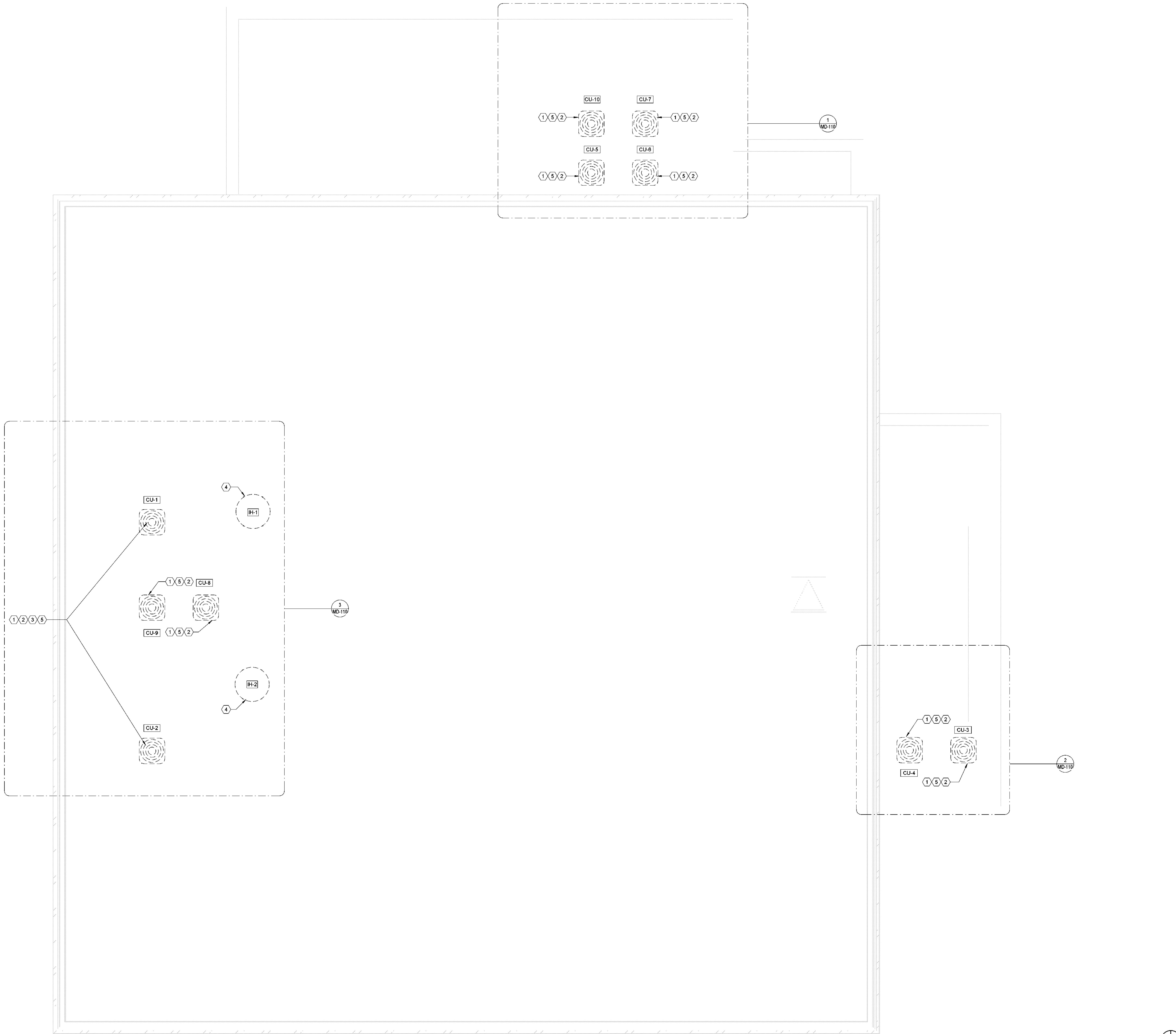
- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.
- CONTRACTOR SHALL REMOVE, RAISE, AND REINSTALL ALL CONDUIT, VENT PIPES, EQUIPMENT, GAS PIPING, ETC. IN ALL AREAS TO ACCOMMODATE NEW ROOF. COORDINATE WITH ARCHITECTURAL FOR ALL AREAS THAT REQUIRE A NEW ROOF.
- CONTRACTOR TO PERFORM LEAK TEST AT THE COMPLETION OF WORK AND SUBMIT LEAK TEST REPORT TO DISD FACILITIES.

MECH. KEYED NOTES

- CONTROL WIRING AND REFRIGERANT PIPING MAY BE RE-USED WHEN POSSIBLE. REFRIGERANT PIPING TO REMAIN SHALL BE PRESSURE TESTED AND FLUSHED.
- CONTRACTOR SHALL REMOVE AND DISCARD EXISTING CONDENSING UNIT. EXISTING ELECTRICAL SERVICE, AND CONTROL WIRING SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO THE NEW EQUIPMENT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE. EQUIPMENT PAD TO REMAIN FOR INSTALLATION OF NEW WORK.
- DEMOLISH GYM CARRIER SPLIT SYSTEM. REPLACE WITH NEW SYSTEM. REFER TO NEW EQUIPMENT SCHEDULES FOR SPECIFICATIONS. VERIFY 12-TONS.
- DEMOLISH EXISTING INTAKE HOOD AND ASSOCIATED DUCTWORK.
- PRIOR TO DISCONNECTING OUTDOOR UNITS, CONTRACTOR SHALL VERIFY THE EXISTING INDOOR UNIT THAT WILL BE REMOVED WITH EACH OUTDOOR UNIT. VERIFY WITH NEW EQUIPMENT SCHEDULE FOR THE REPLACEMENT. NOTIFY OWNER OF ANY ISSUES WITH THE SCHEDULED REPLACEMENT UNITS.



(NOT TO SCALE) KEY PLAN



1 MECHANICAL YMCA DEMOLITION PLAN - ROOF
SCALE: 1/4" = 1'-0"

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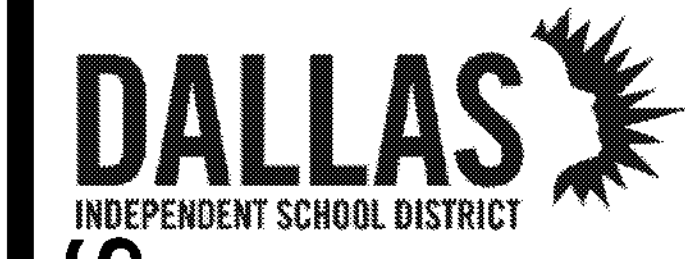
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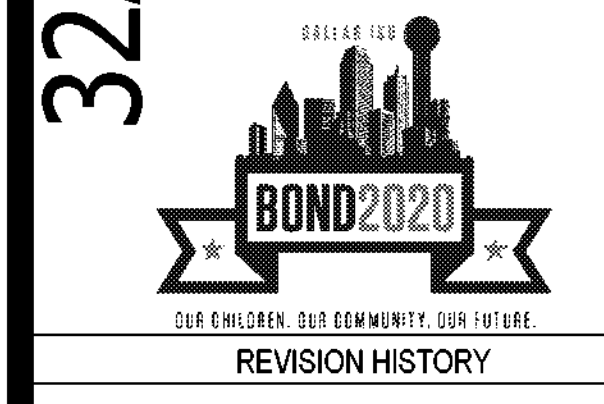
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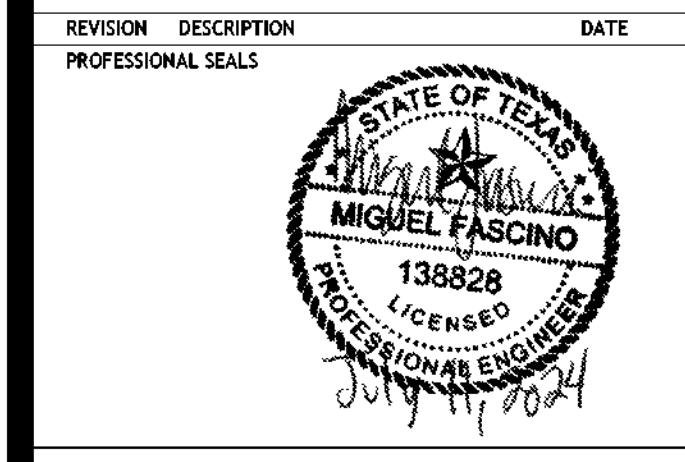
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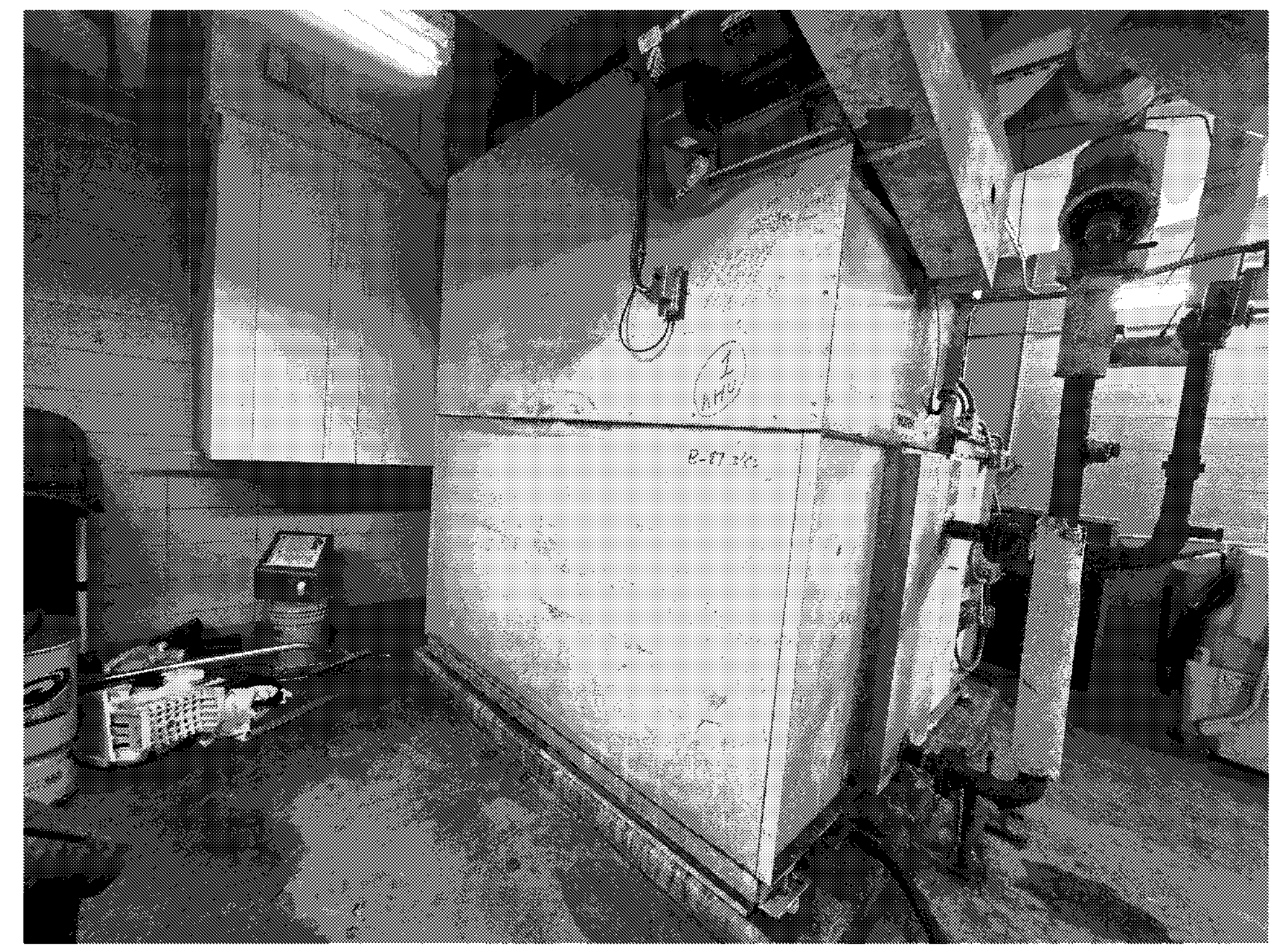
REVISION	DESCRIPTION	DATE



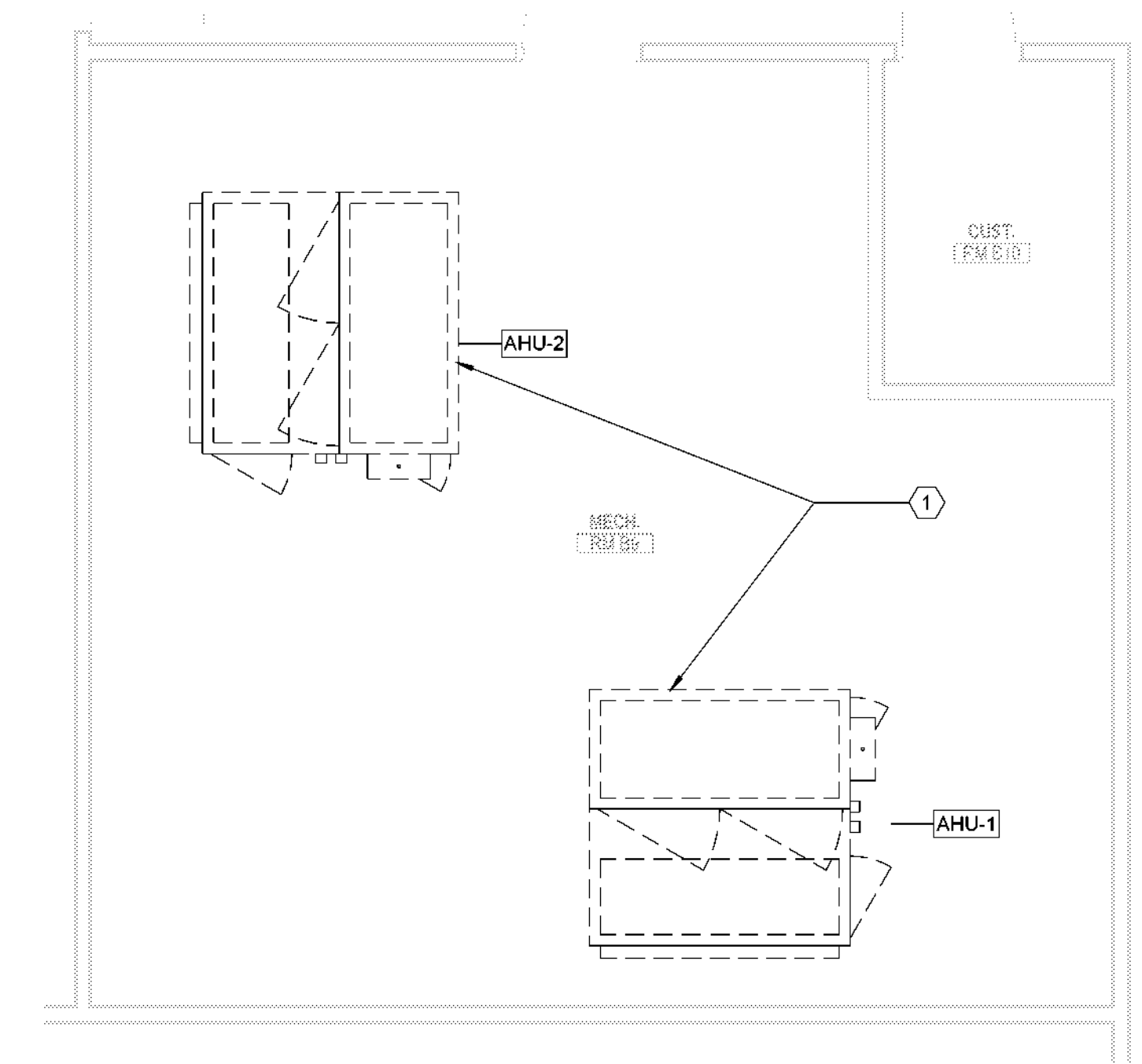
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DRAWN BY Author	CHECKED BY Checker
PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

MD-104
SHEET NUMBER

AHU-1



AHU-2



2 ENLARGED MECHANICAL DEMOLITION PLAN - LEVEL 01 - AREA A - MECH RM B9
SCALE: 1/4" = 1'-0"

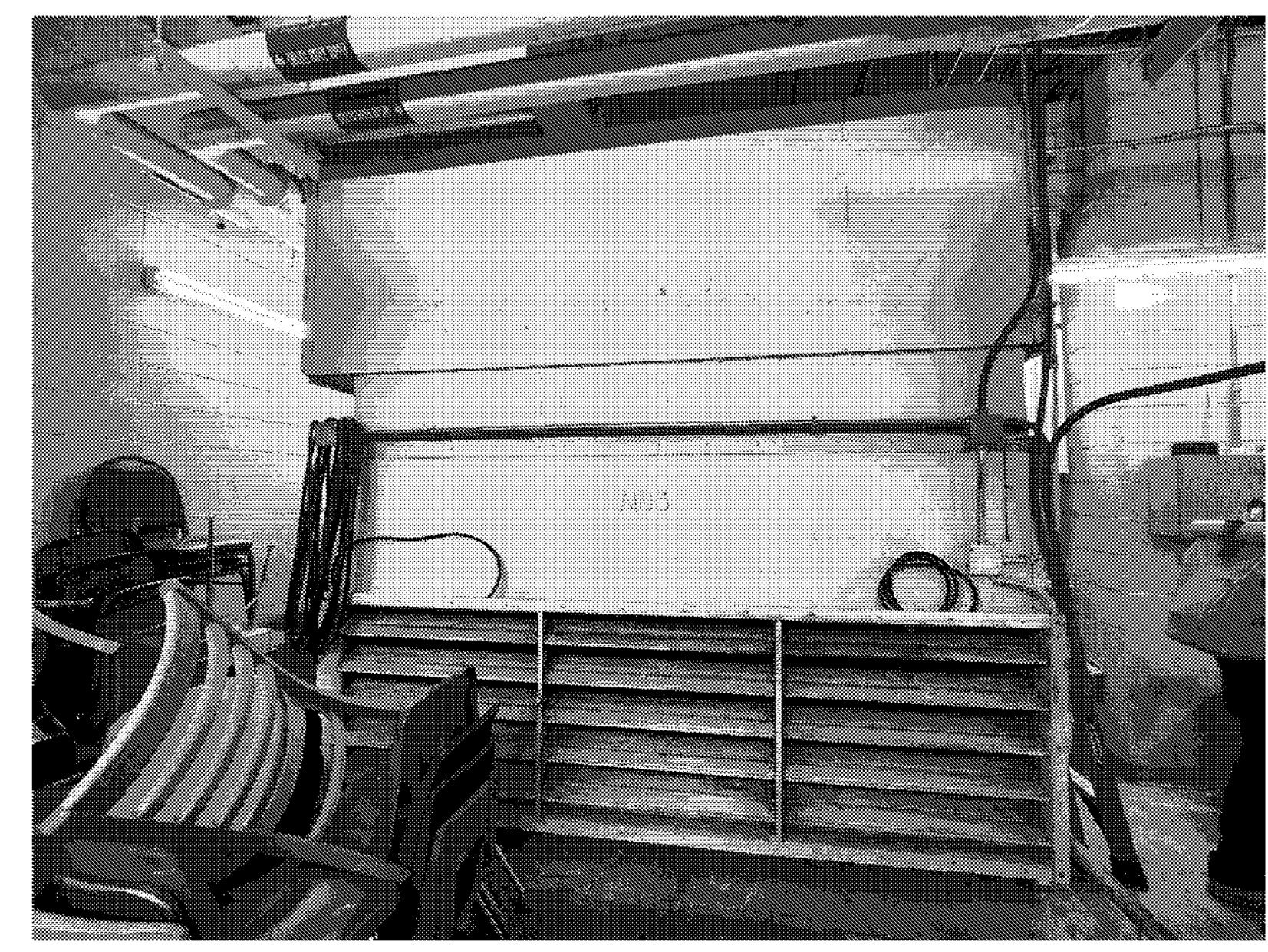
MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

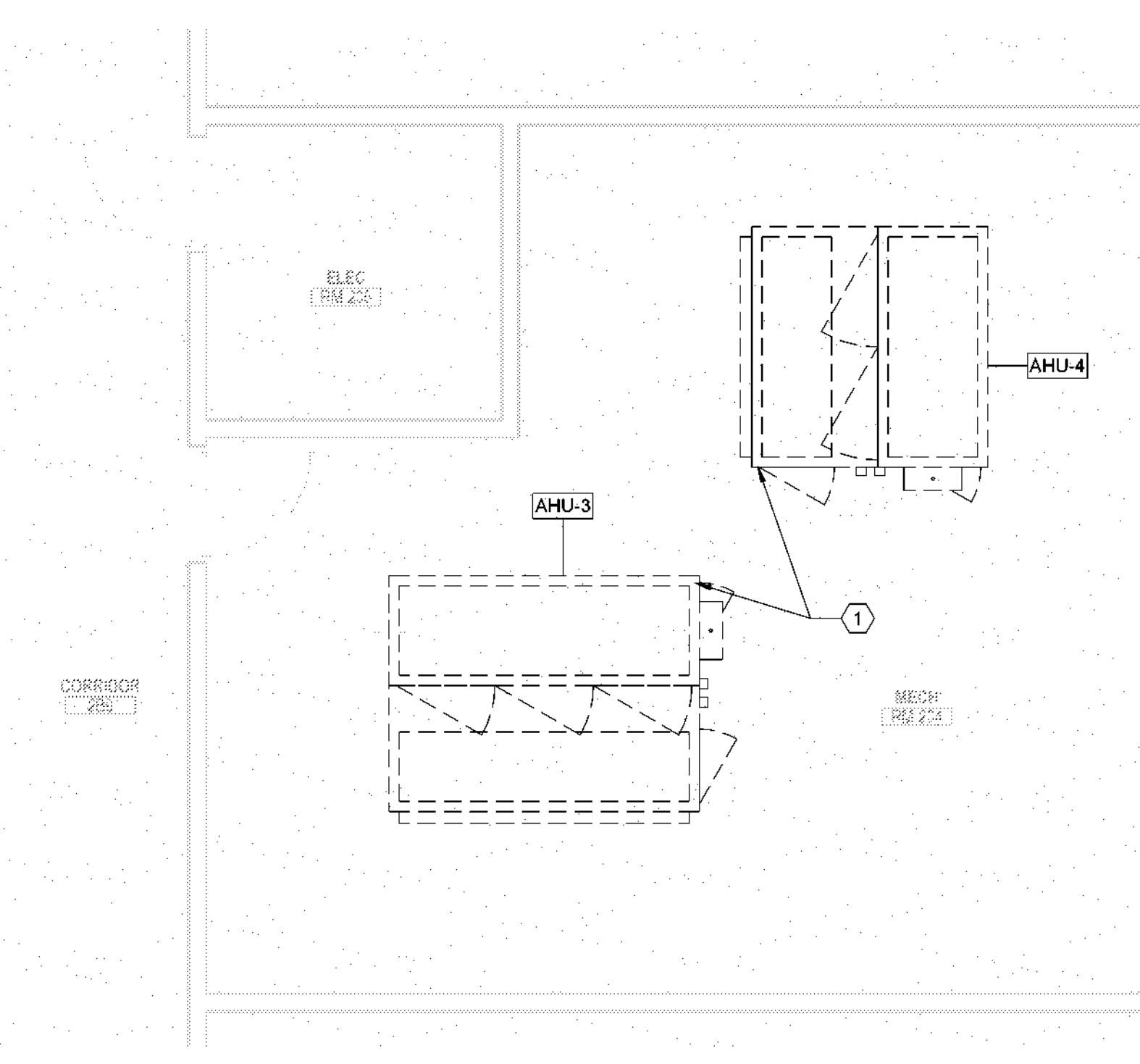
MECH. KEYED NOTES

- DEMOLISH EXISTING AIR HANDLING UNIT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SCHEDULE AND SPECIFICATIONS AND DISCONNECT THE EXISTING AHU WITH THE INTENT TO ADAPT THE NEW AHU TO THE EXISTING DUCTWORK, HYDRONIC LINES, DRAIN LINES AND ELECTRICAL. EXISTING EQUIPMENT PAD TO REMAIN.

AHU-3



AHU-4



1 ENLARGED MECHANICAL DEMOLITION PLAN - LEVEL 02 - AREA A - MECH RM 234
SCALE: 1/4" = 1'-0"

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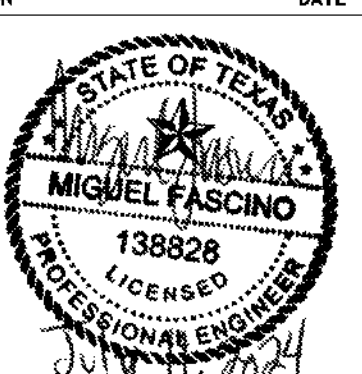
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REVISION HISTORY

REVISION	DESCRIPTION	DATE

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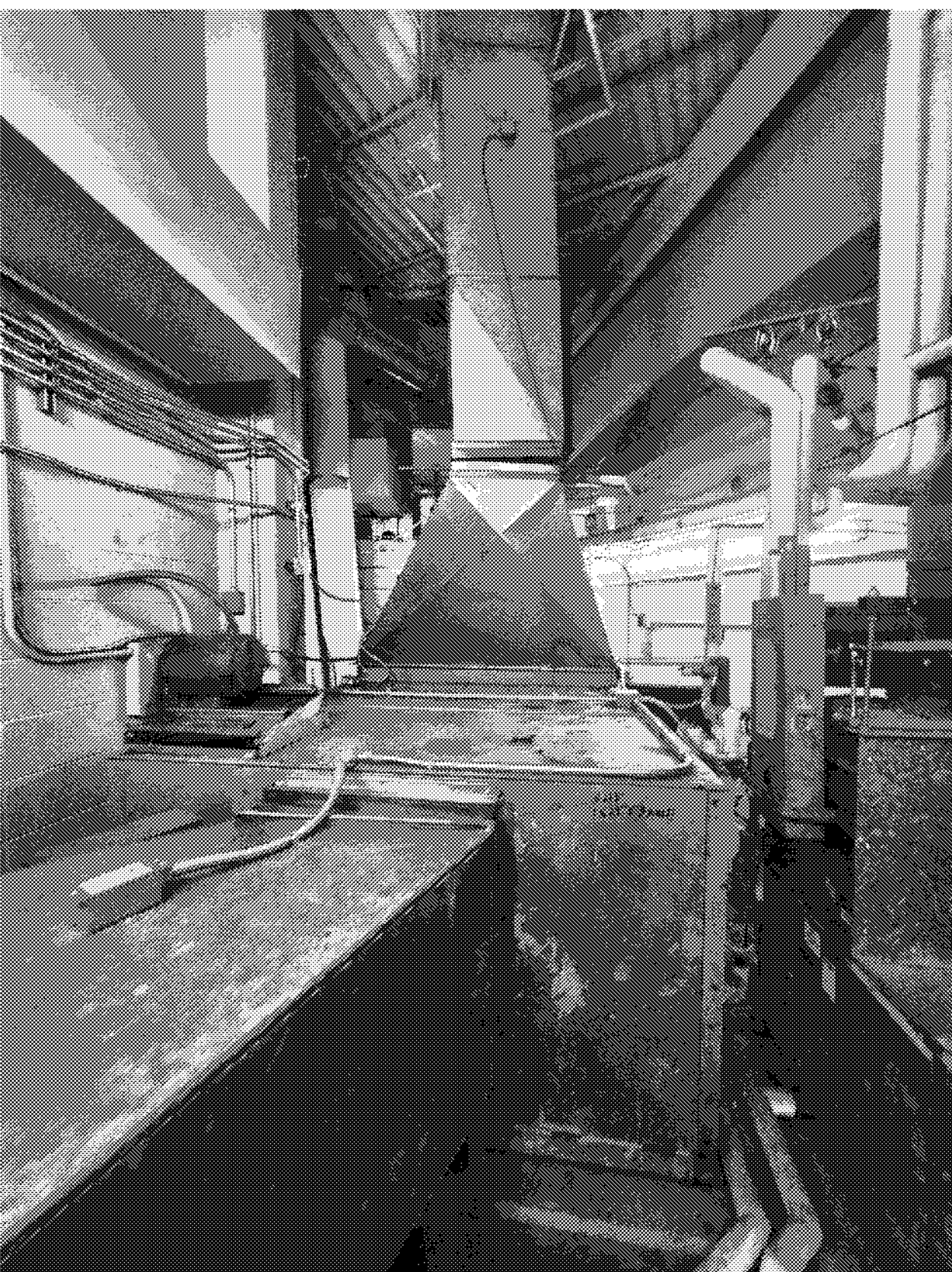
MECHANICAL - EXISTING EQUIPMENT

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NUMBER	PROJECT ABBREVIATION
32AC23037	GEAA
ORIGINAL ISSUE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

MD-107
 SHEET NUMBER

NOTE: ALL EXISTING EQUIPMENT SHOWN IN SHEETS MD-104 THRU MD-112 SHALL BE DEMOLISHED AND REPLACED WITH NEW EXCEPT BCU-1 TO BE DEMOLISHED ONLY.

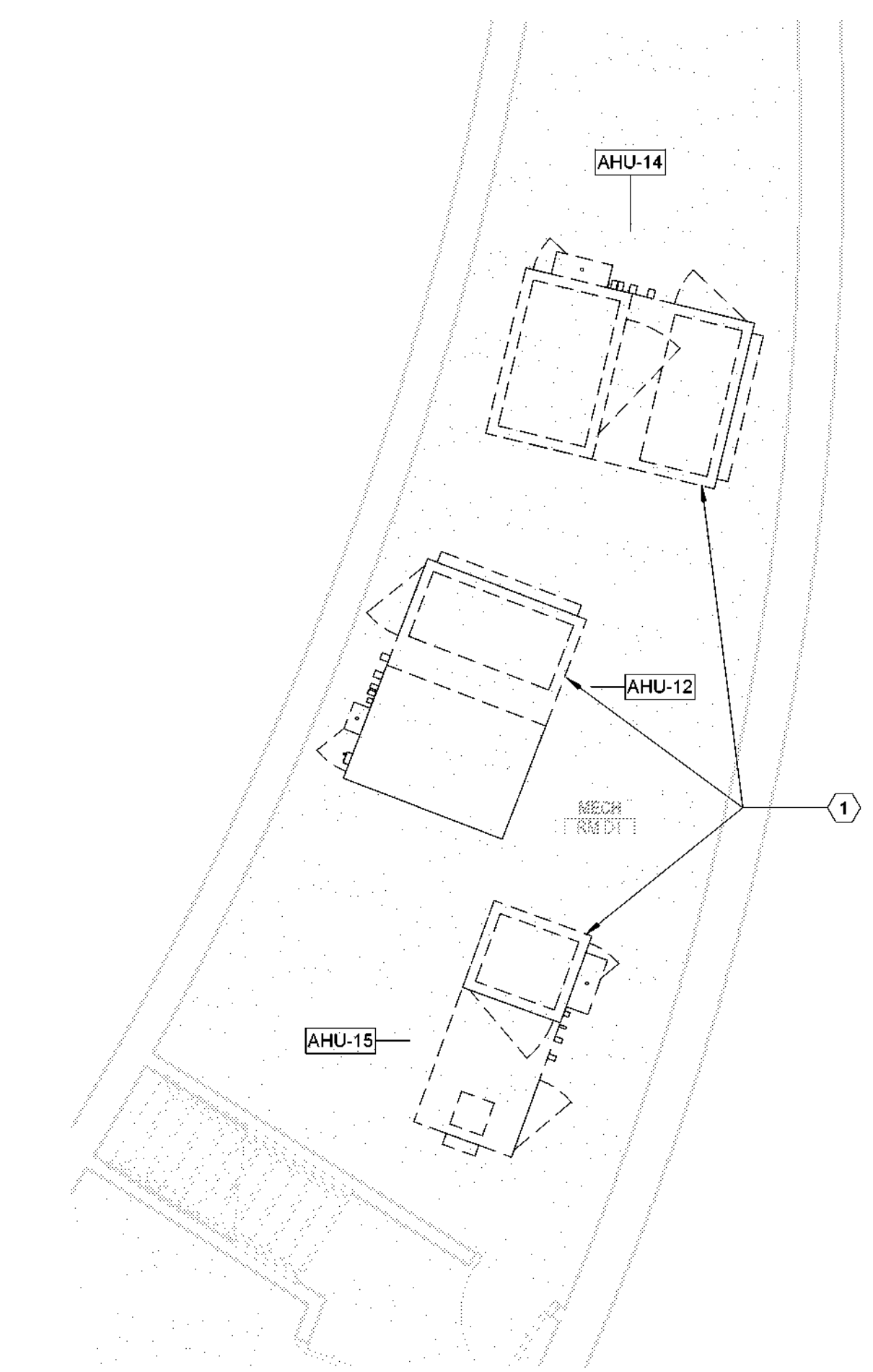
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AHU-15



AHU-14



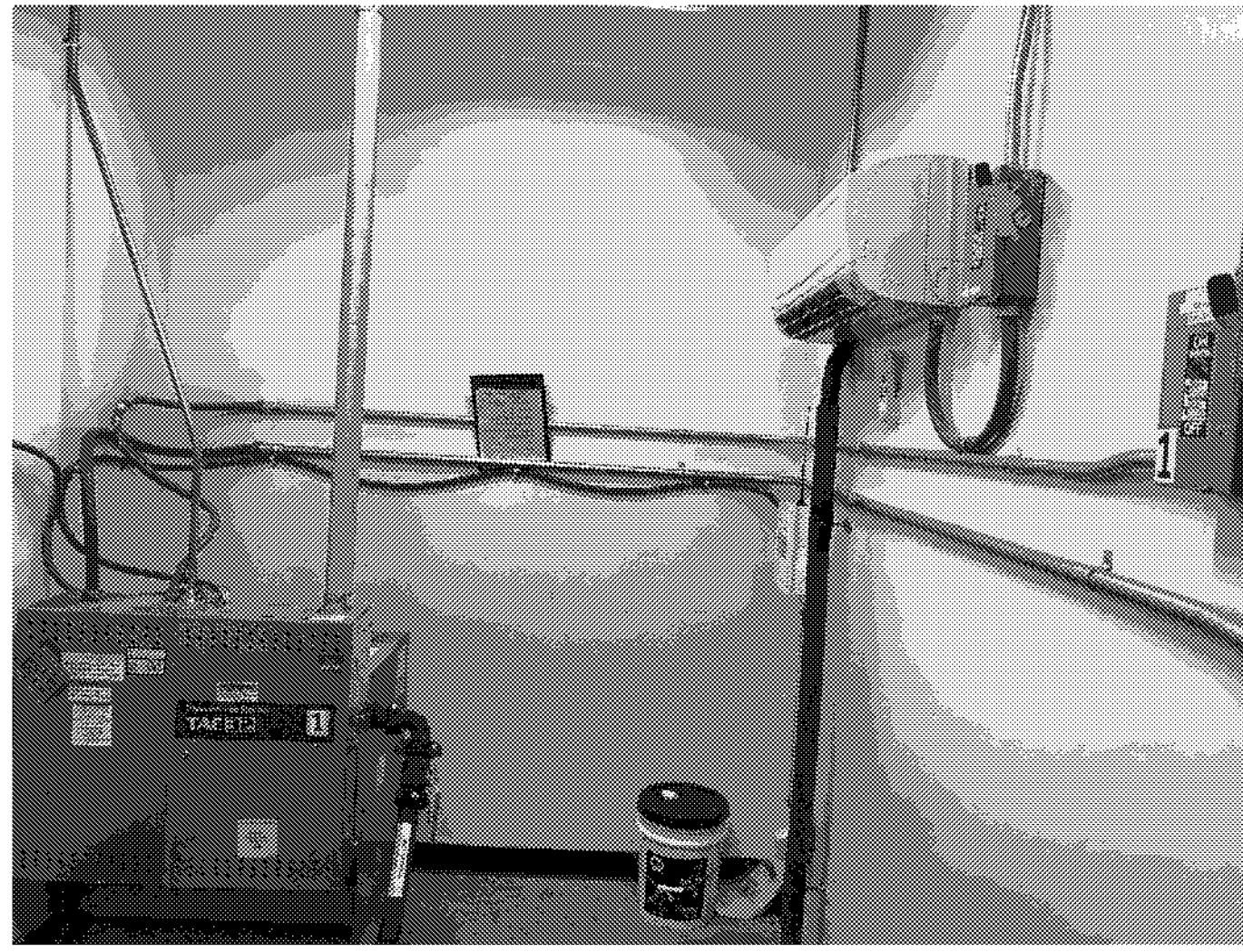
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 SCALE: 1/4" = 1'-0"

MECH. GENERAL NOTES

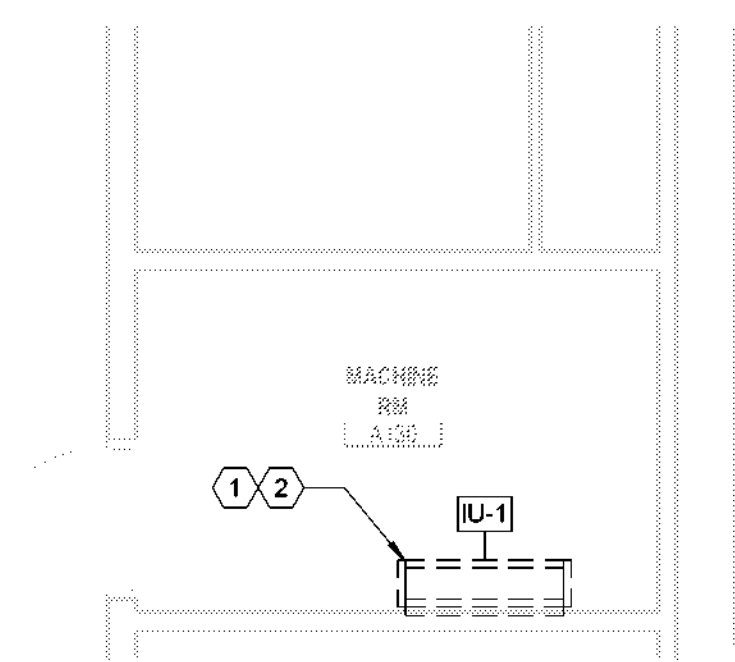
1. REFER TO M-000 FOR ALL GENERAL NOTES.
2. REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

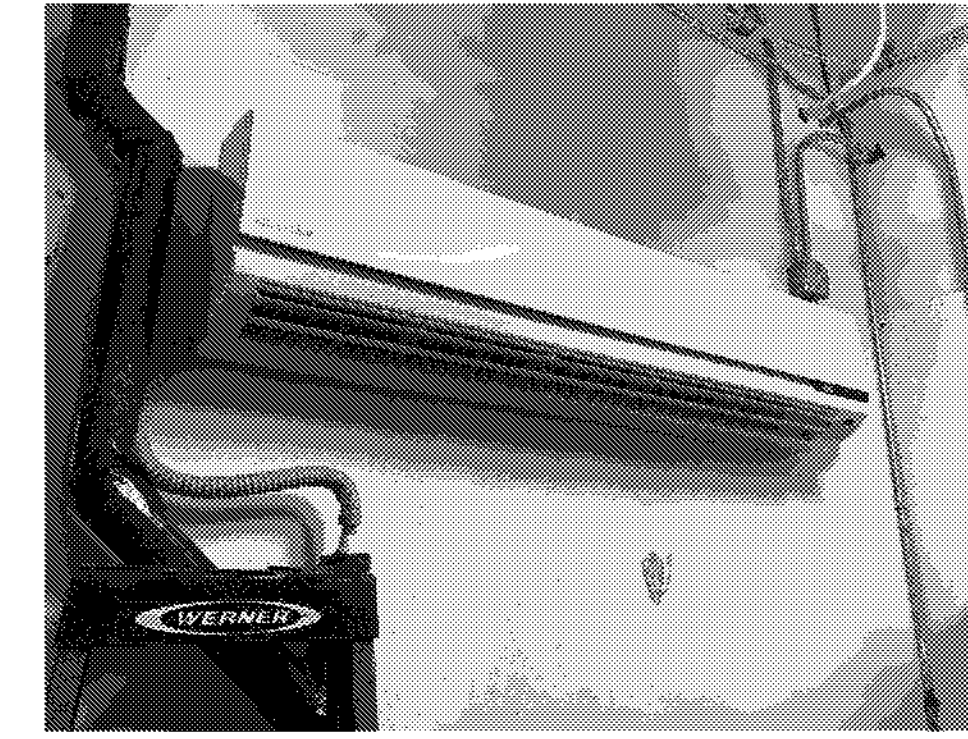
1. DEMOLISH EXISTING AIR HANDLING UNIT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SCHEDULE AND SPECIFICATIONS AND DISCONNECT THE EXISTING AHU WITH THE INTENT TO ADAPT THE NEW AHU TO THE EXISTING DUCTWORK, HYDRONIC LINES, DRAIN LINES AND ELECTRICAL EXISTING EQUIPMENT PAD TO REMAIN.



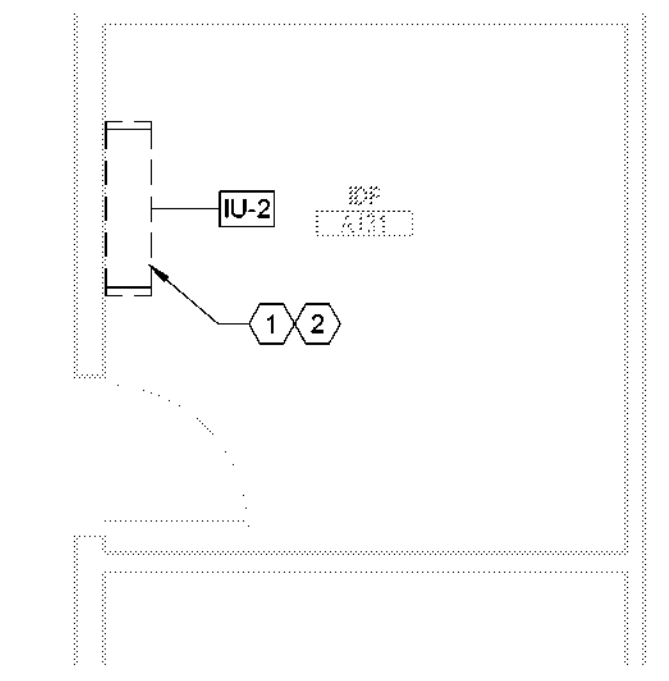
IU-1



1 ENLARGED MECHANICAL DEMOLITION PLAN - LEVEL 01 - AREA A - MACHINE RM A130
SCALE: 1/4" = 1'-0"

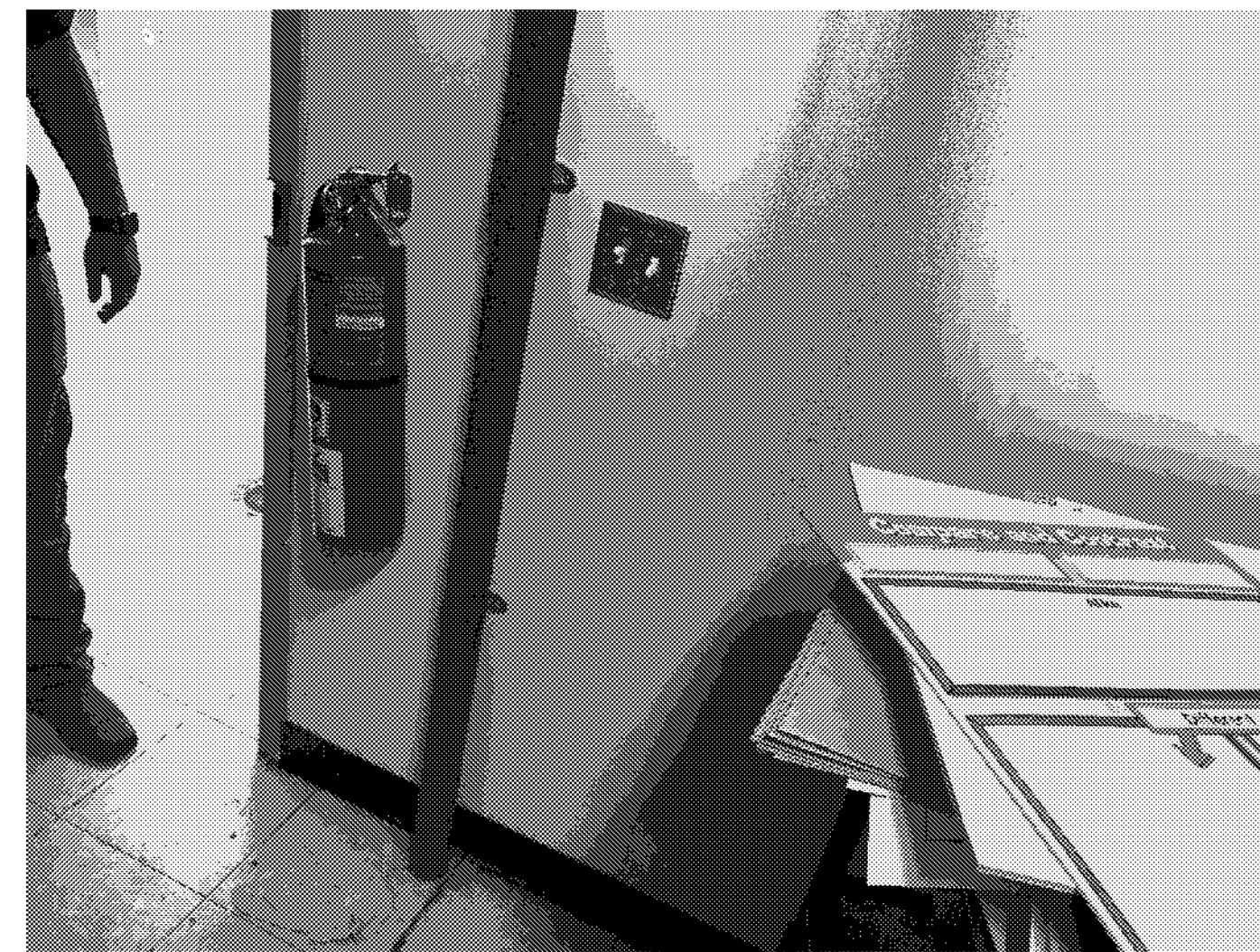


IU-2

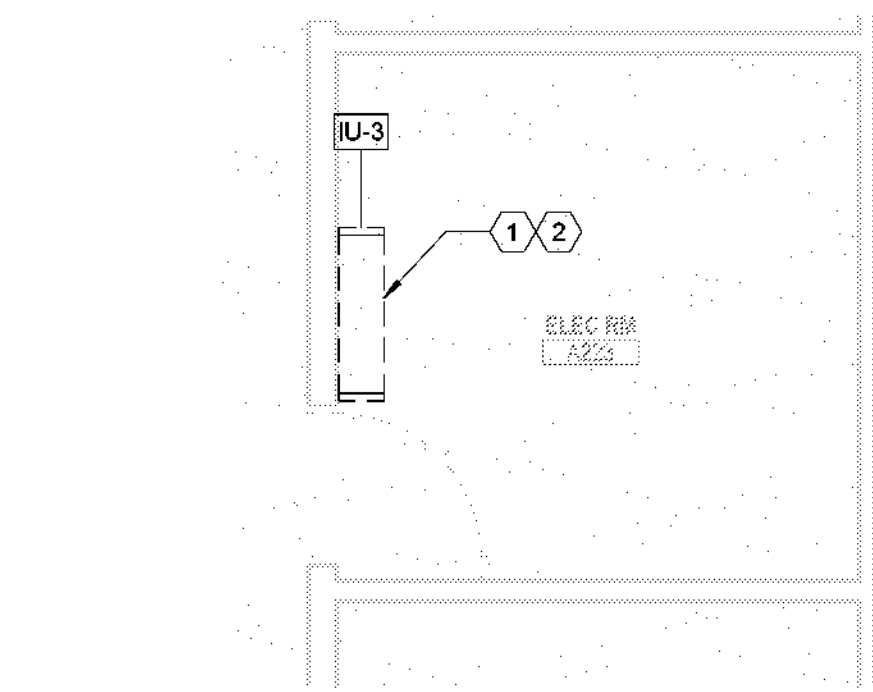
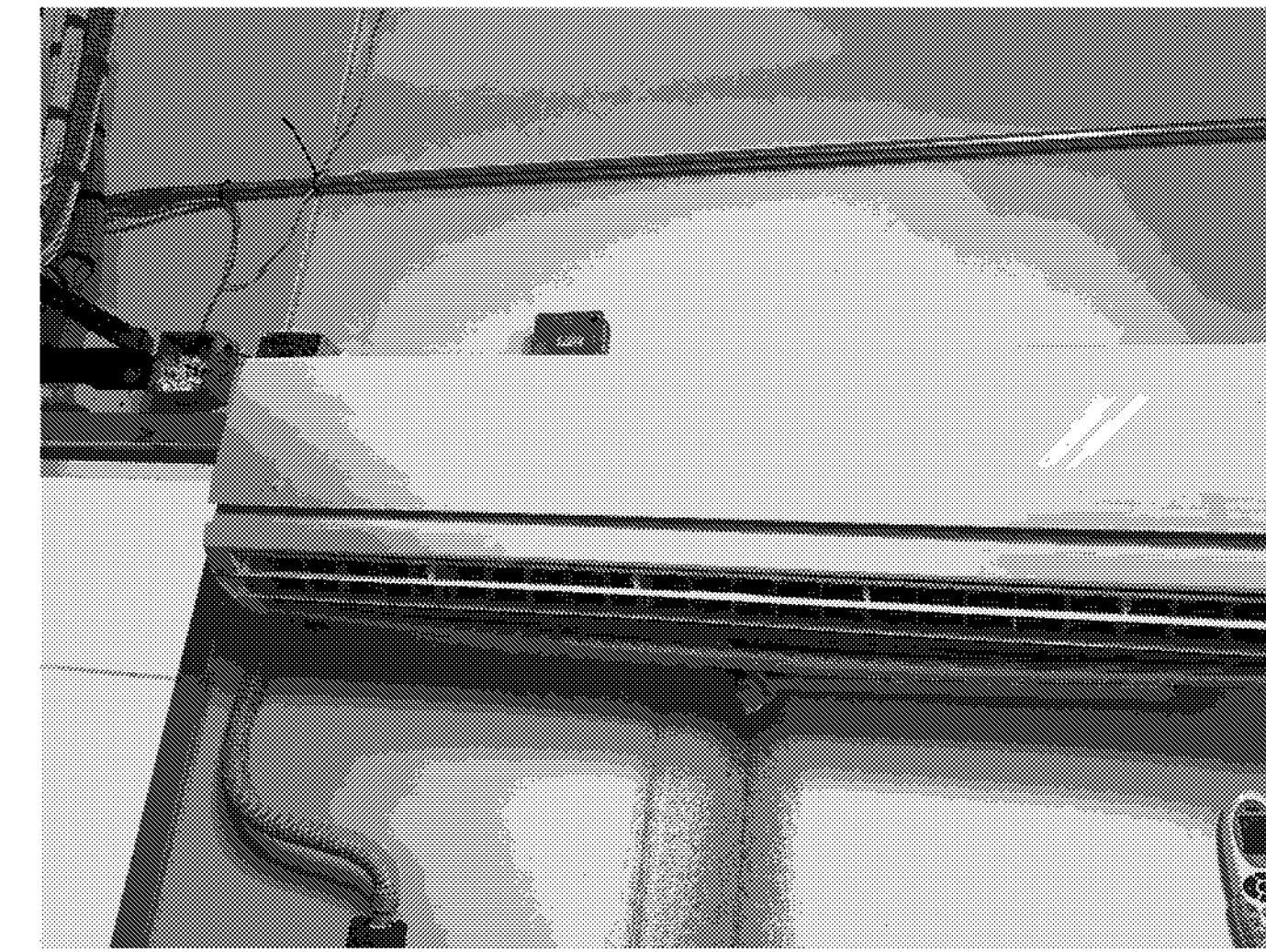


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SCALE: 1/4" = 1'-0"

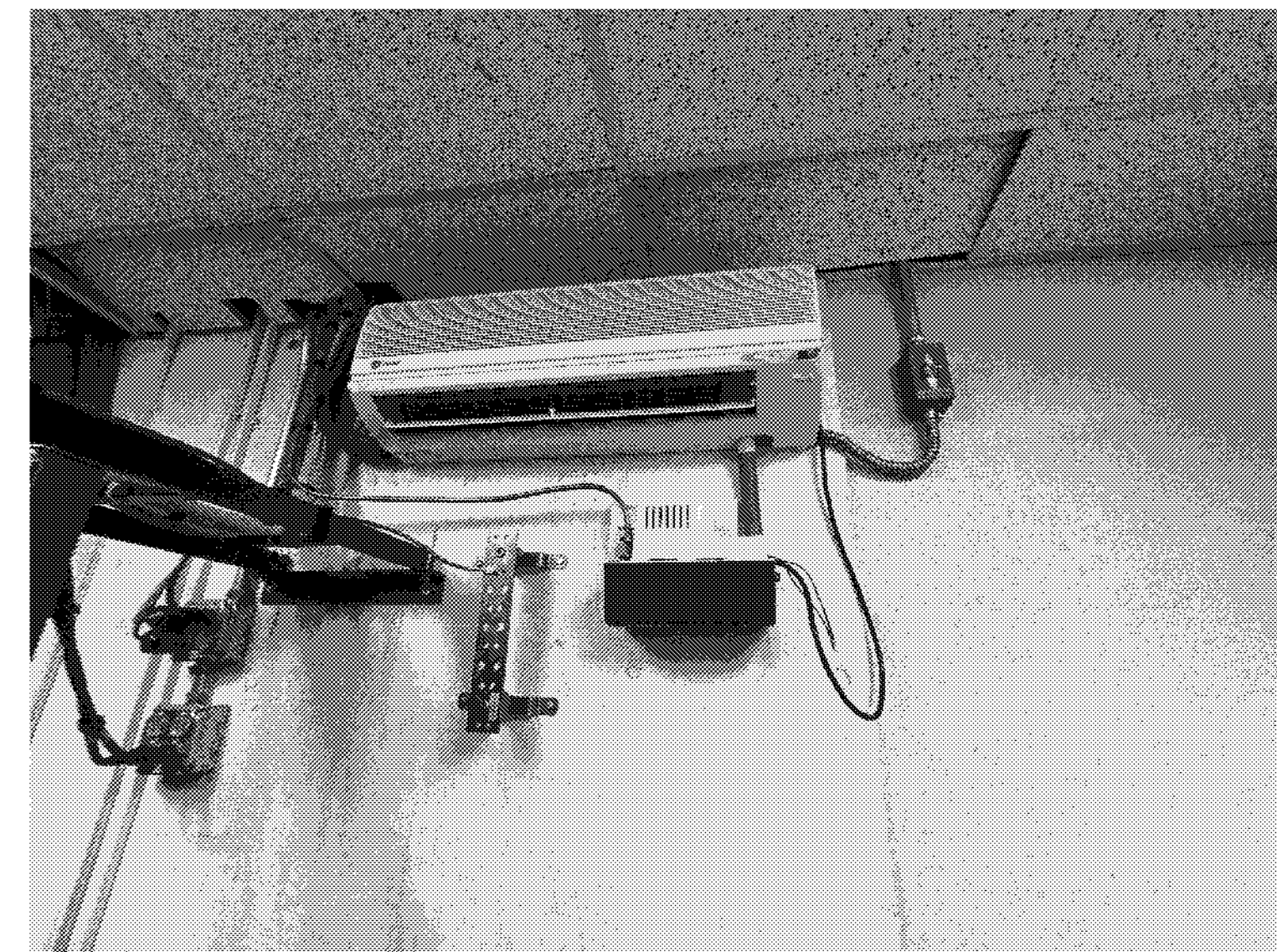
NOTE: ALL EXISTING EQUIPMENT SHOWN IN SHEETS MD-104 THRU MD-112 SHALL BE DEMOLISHED AND REPLACED WITH NEW EXCEPT BCU-1 TO BE DEMOLISHED ONLY.



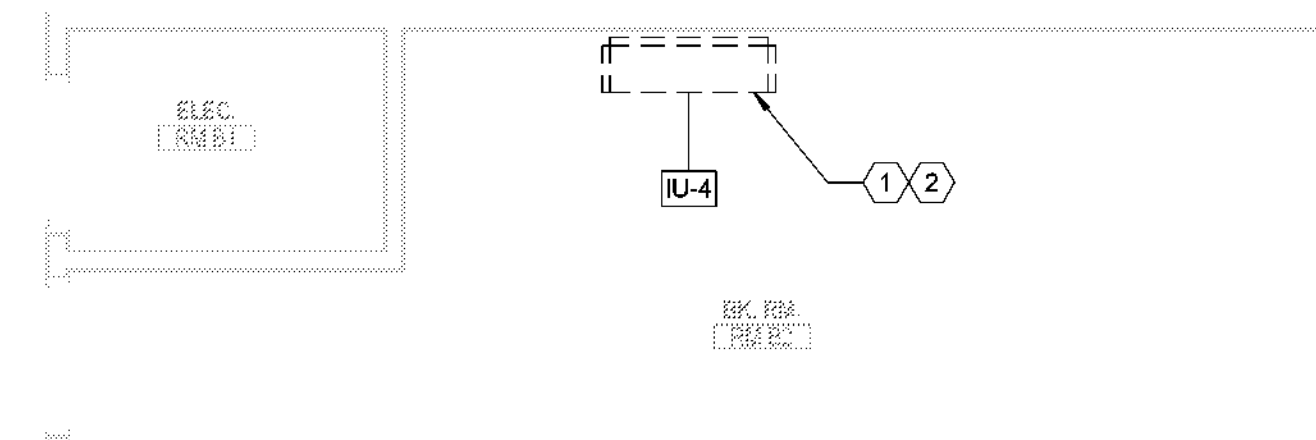
IU-3



3 ENLARGED MECHANICAL DEMOLITION PLAN - LEVEL 02 - AREA A - ELEC RM A223
SCALE: 1/4" = 1'-0"



IU-4



4 ENLARGED MECHANICAL DEMOLITION PLAN - LEVEL 01 - AREA A - RM B2
SCALE: 1/4" = 1'-0"

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- DEMOLISH INDOOR MINI SPLIT AND ASSOCIATED CONDENSATE PUMP. CONTRACTOR TO RECOVER AND PROPERLY DISCARD ALL REFRIGERANT. REUSE EXISTING REFRIGERANT LINES WHEREVER POSSIBLE. ANY REMAINING REFRIGERANT LINES SHALL BE PRESSURE TESTED AND FLUSHED PRIOR TO BEING REUSED.
- CONDENSATE DRAIN LINE CONNECTIONS SHALL BE ADAPTED TO THE NEW MINI SPLIT INDOOR UNIT. EXISTING CONDENSATE DRAIN LINES CAN BE REUSED WHEN IN OPERABLE CONDITION. CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE CONDENSATE DRAIN LINES REQUIRE ADDITIONAL REPAIRS BEYOND 20 FEET FROM THE NEW UNIT.

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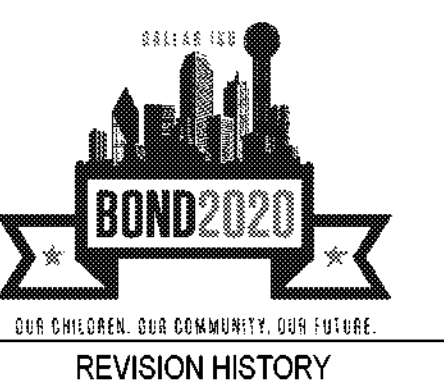
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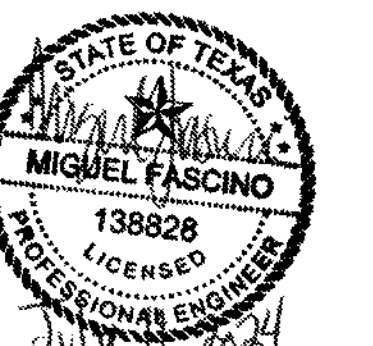
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REVISION DESCRIPTION DATE

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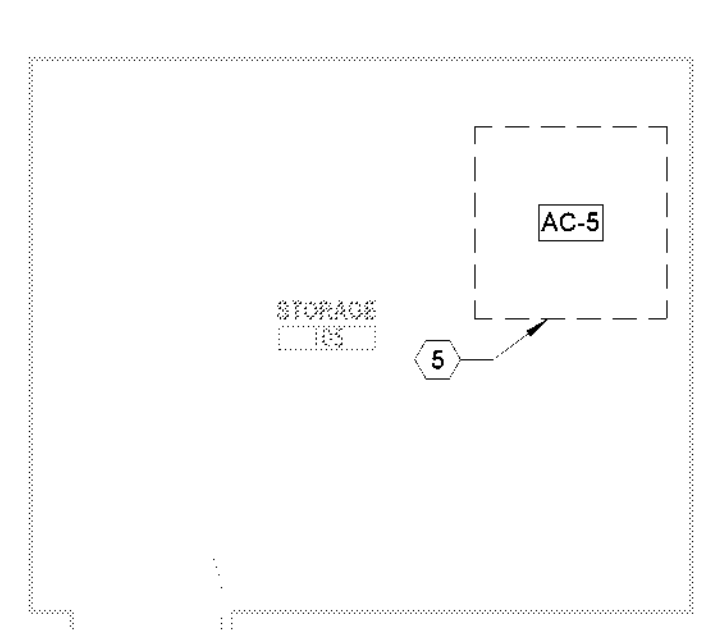


MECHANICAL - EXISTING EQUIPMENT

DRAWN BY Author CHECKED BY Checker
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

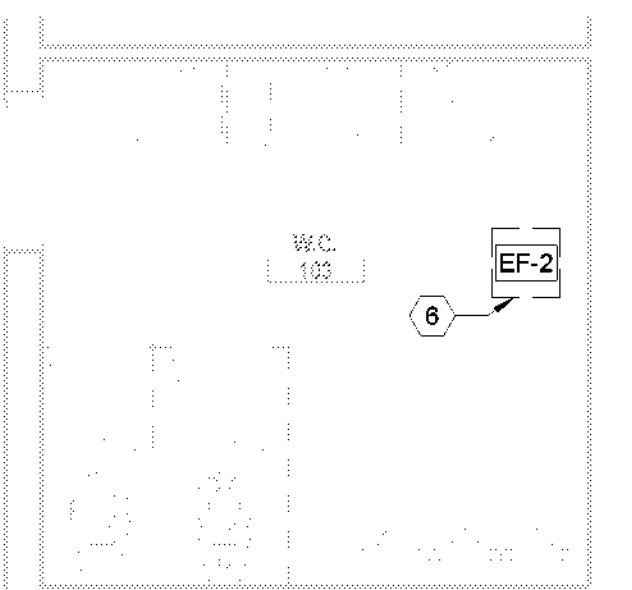
MD-108
SHEET NUMBER

AC-5



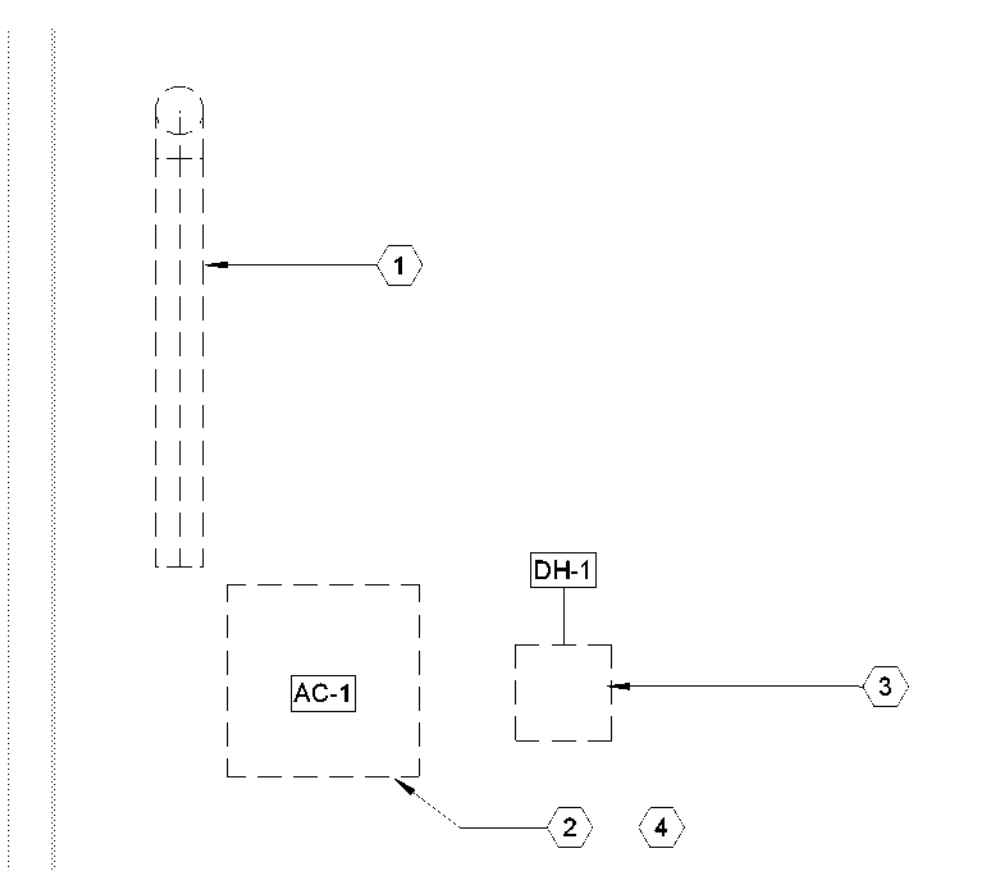
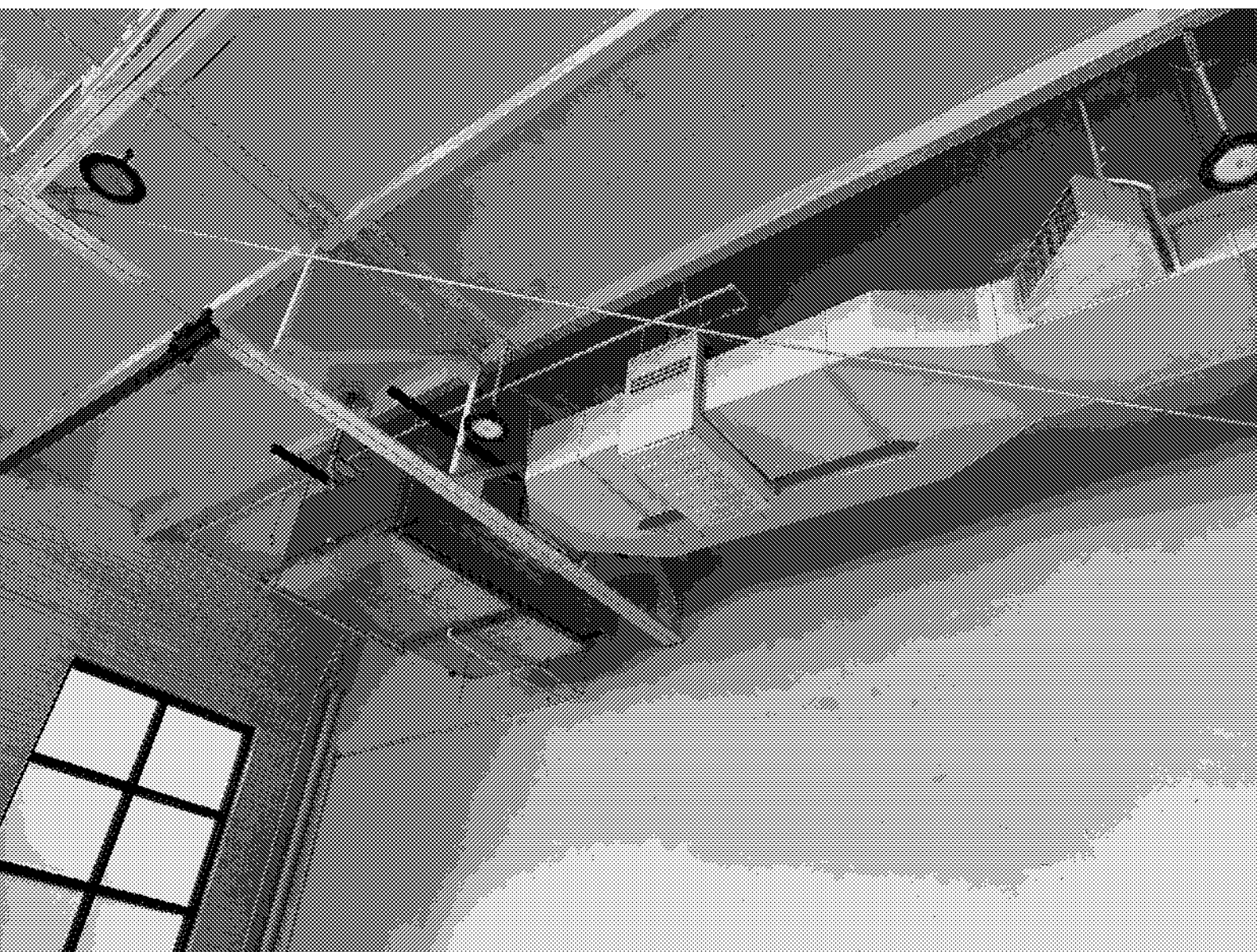
2 ENLARGED MECHANICAL DEMOLITION PLAN - STORAGE 105
SCALE: 1/4" = 1'-0"

EF-2

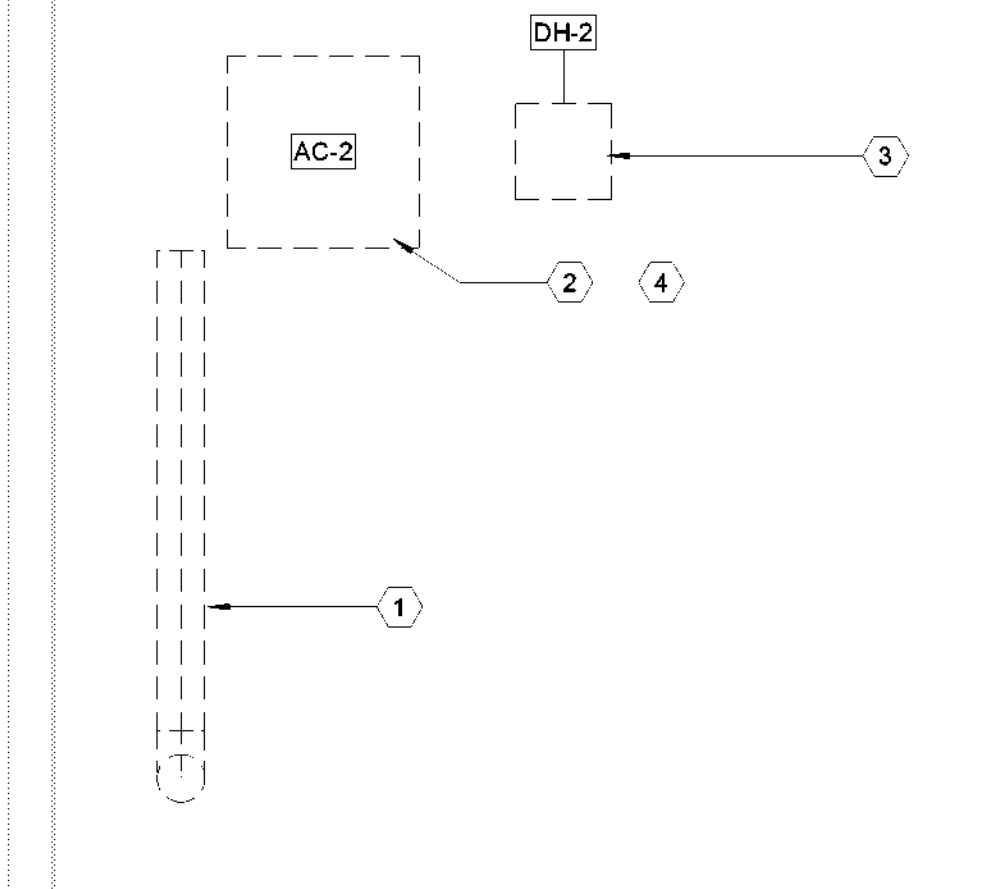
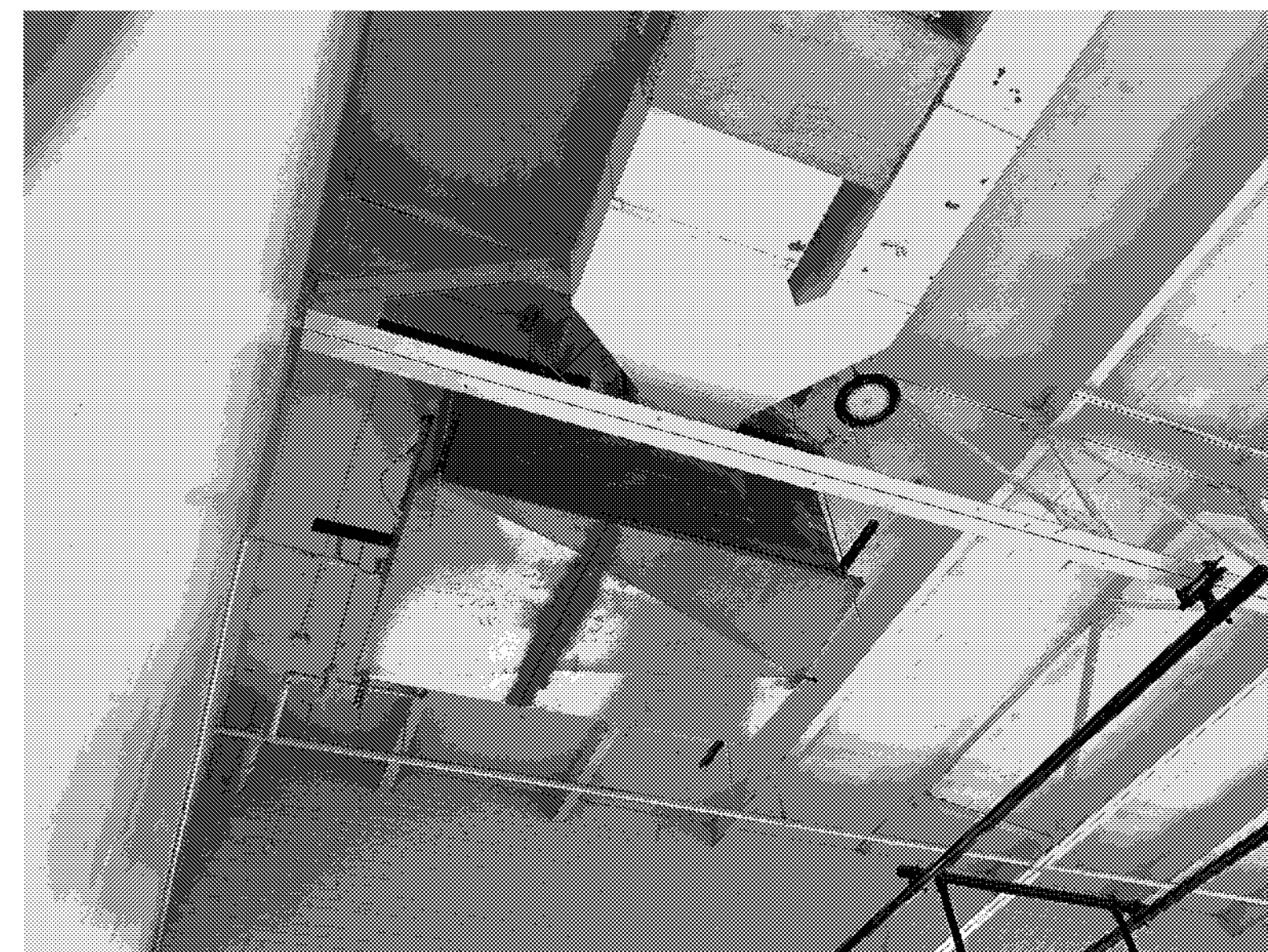


3 ENLARGED MECHANICAL DEMOLITION PLAN - W.C. 103
SCALE: 1/4" = 1'-0"

AC-1 / DH-1



AC-2 / DH-2



1 ENLARGED MECHANICAL DEMOLITION PLAN - BOYS' GYM 212 & GIRLS' GYM 213
SCALE: 1/4" = 1'-0"

NOTE: ALL EXISTING EQUIPMENT SHOWN IN SHEETS MD-104 THRU MD-112 SHALL BE DEMOLISHED AND REPLACED WITH NEW EXCEPT BCU-1 TO BE DEMOLISHED ONLY.

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- DEMOLISH OA DUCT FROM INTAKE HOOD ABOVE.
- DISCONNECT AND REMOVE EXISTING INDOOR AIR HANDLER. REFER TO THE NEW EQUIPMENT BEING INSTALLED AND DISCONNECT THE EXISTING UNIT WITH THE INTENT OF RECONNECTING THE NEW UNIT TO THE EXISTING DUCTWORK, REFRIGERANT LINES, DRAINLINES, AND ELECTRICAL.
- DEMOLISH IN-LINE GAS HEATER. EXISTING NATURAL GAS SERVICE SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO NEW EQUIPMENT.
- EXISTING REFRIGERANT LINES MAY BE REUSED WHEREVER POSSIBLE. ANY LINES BEING REUSED SHALL BE PRESSURE TESTED AND FLUSHED.
- REMOVE THE EXISTING INDOOR AIR HANDLING UNIT. DISCONNECT DUCTWORK, ELECTRICAL, DRAIN LINES, AND REFRIGERANT LINES WITH THE INTENT OF RECONNECTING THE NEW EQUIPMENT IN PLACE USING THE EXISTING UTILITIES AND DUCTWORK.
- REMOVE THE EXISTING EXHAUST FAN. DISCONNECT DUCTWORK AND ELECTRICAL WITH THE INTENT OF INSTALLING THE NEW FAN IN PLACE USING THE SAME ELECTRICAL AND DUCTWORK.

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REVISION HISTORY

REVISION	DESCRIPTION	DATE

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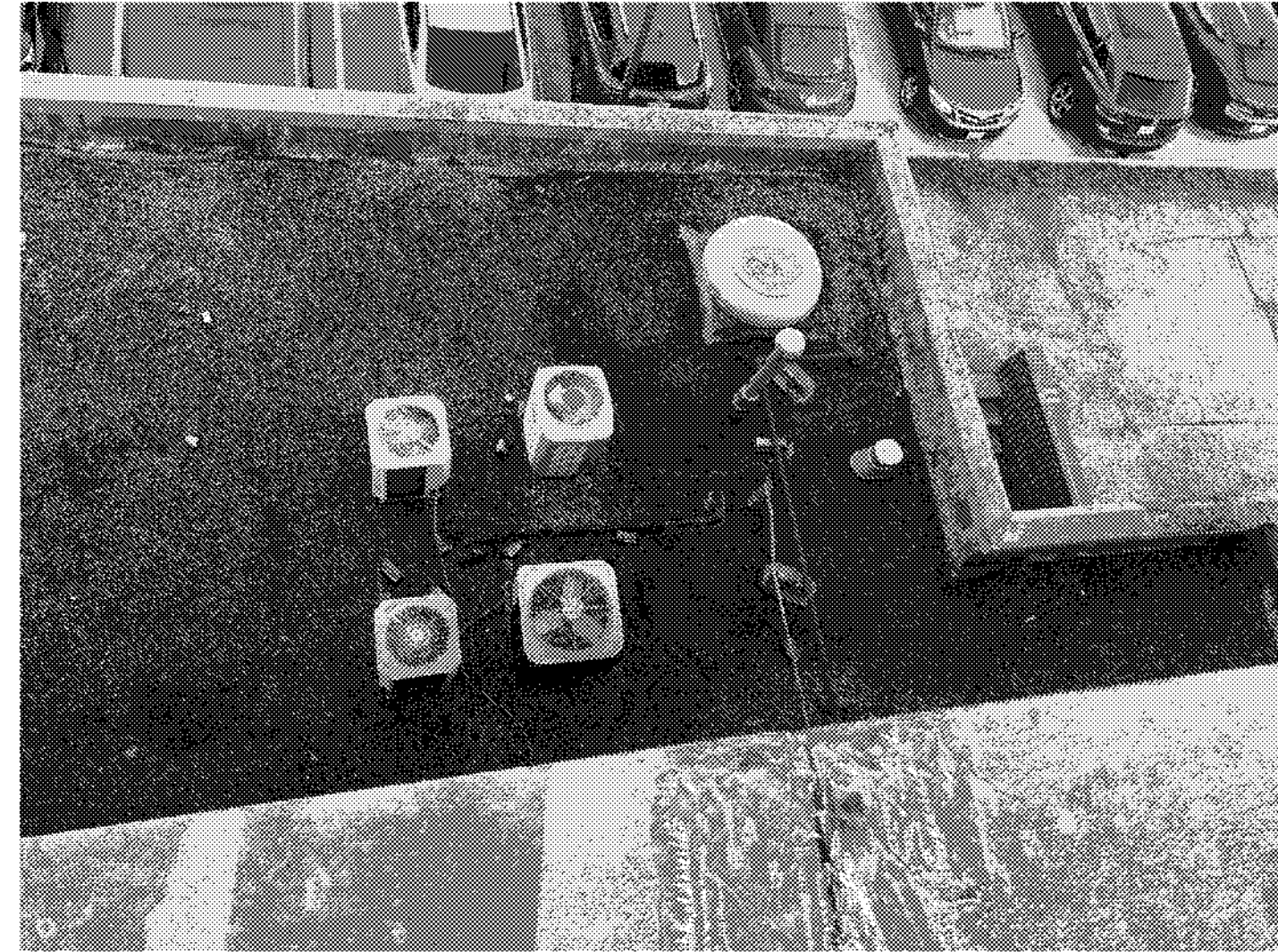
MECHANICAL - EXISTING EQUIPMENT

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ORIGINAL DATE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

MD-109
SHEET NUMBER

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CU-5, CU-6, CU-7, CU-10



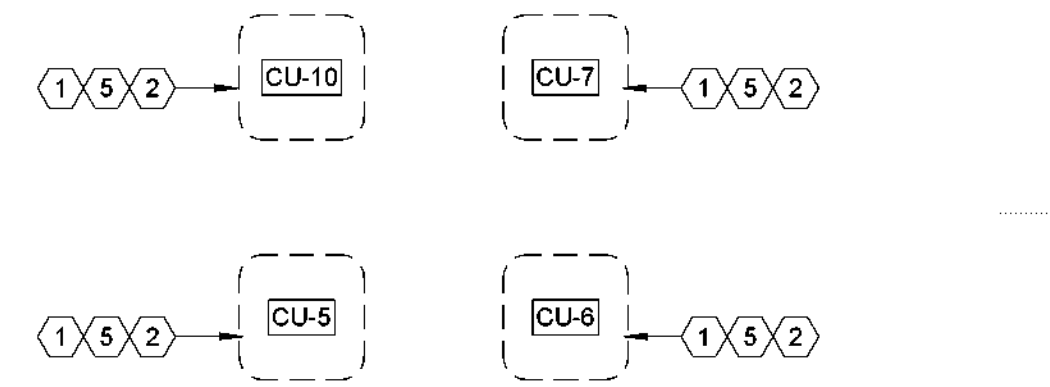
CU-3, CU-4



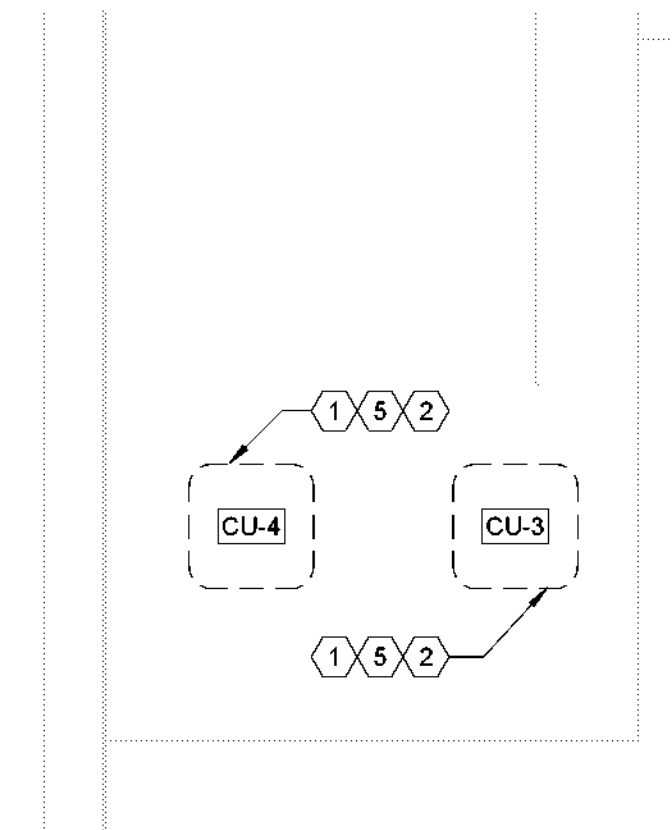
IH-1, CU-1, CU-8, CU-9



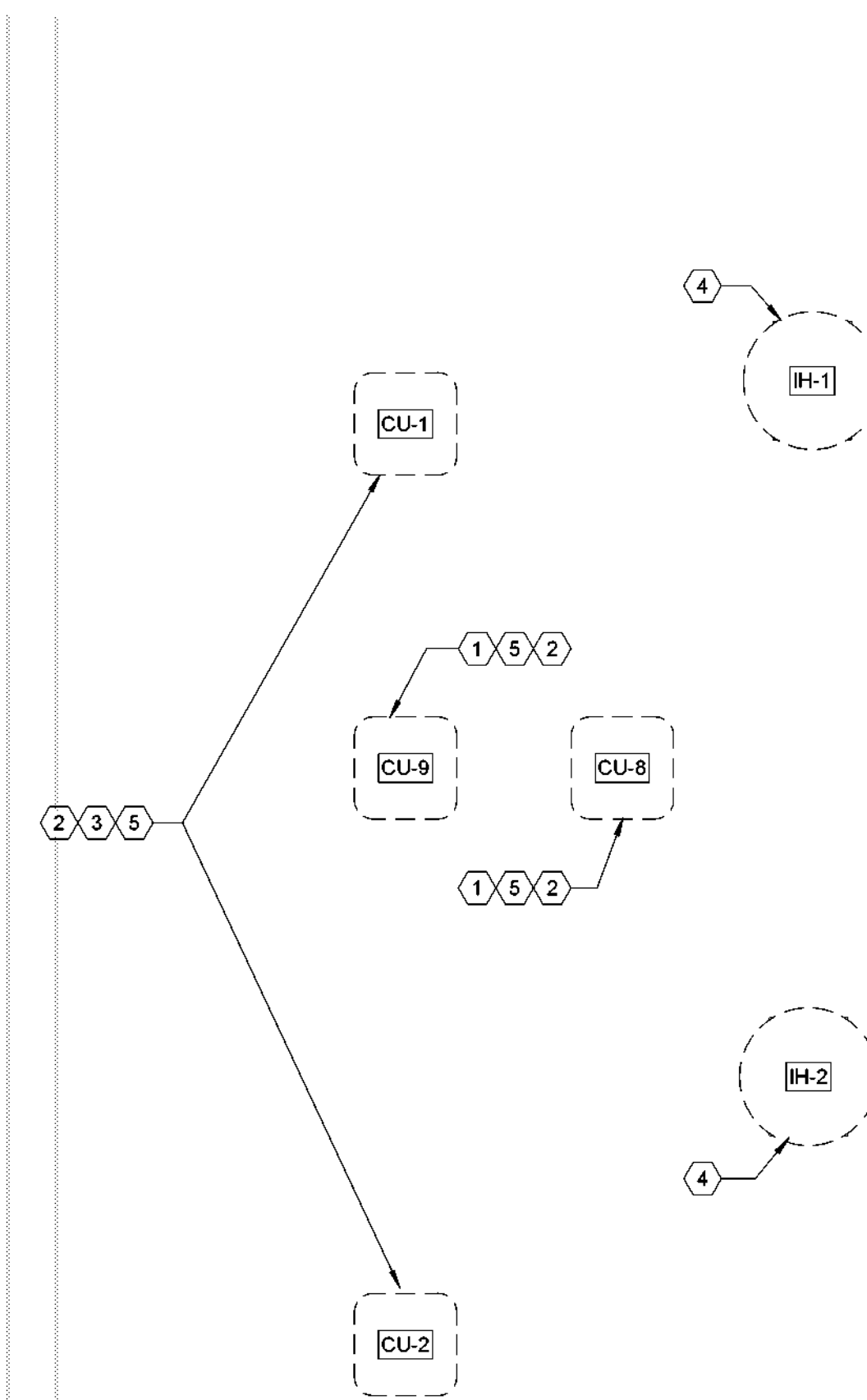
IH-2, CU-2, CU-8, CU-9



1 ENLARGED MECHANICAL DEMOLITION PLAN - YMCA ROOF - WEST
SCALE: 1/4" = 1'-0"



2 ENLARGED MECHANICAL DEMOLITION PLAN - YMCA ROOF - NORTH
SCALE: 1/4" = 1'-0"



3 ENLARGED MECHANICAL DEMOLITION PLAN - YMCA ROOF - SOUTH
SCALE: 1/4" = 1'-0"

NOTE: ALL EXISTING EQUIPMENT SHOWN IN SHEETS MD-104 THRU MD-112 SHALL BE DEMOLISHED AND REPLACED WITH NEW EXCEPT BCU-1 TO BE DEMOLISHED ONLY.

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.
- CONTRACTOR SHALL REMOVE, RAISE, AND REINSTALL ALL CONDUIT, VENT PIPES, EQUIPMENT, GAS PIPING, ETC. IN ALL AREAS TO ACCOMMODATE NEW ROOF. COORDINATE WITH ARCHITECTURAL FOR ALL AREAS THAT REQUIRE A NEW ROOF.
- CONTRACTOR TO PERFORM LEAK TEST AT THE COMPLETION OF WORK AND SUBMIT LEAK TEST REPORT TO DISD FACILITIES.

MECH. KEYED NOTES

- CONTROL WIRING AND REFRIGERANT PIPING MAY BE RE-USED WHEN POSSIBLE. REFRIGERANT PIPING TO REMAIN SHALL BE PRESSURE TESTED AND FLUSHED.
- CONTRACTOR SHALL REMOVE AND DISCARD EXISTING CONDENSING UNIT, EXISTING ELECTRICAL SERVICE, AND CONTROL WIRING SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO THE NEW EQUIPMENT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE. EQUIPMENT PAD TO REMAIN FOR INSTALLATION OF NEW WORK.
- DEMOLISH GYM CARRIER SPLIT SYSTEM, REPLACE WITH NEW SYSTEM. REFER TO NEW EQUIPMENT SCHEDULES FOR SPECIFICATIONS. VERIFY 12-TONS.
- DEMOLISH EXISTING INTAKE HOOD AND ASSOCIATED DUCTWORK.
- PRIOR TO DISCONNECTING OUTDOOR UNITS, CONTRACTOR SHALL VERIFY THE EXISTING INDOOR UNIT THAT WILL BE REMOVED WITH EACH OUTDOOR UNIT. VERIFY WITH NEW EQUIPMENT SCHEDULE FOR THE REPLACEMENT. NOTIFY OWNER OF ANY ISSUES WITH THE SCHEDULED REPLACEMENT UNITS.

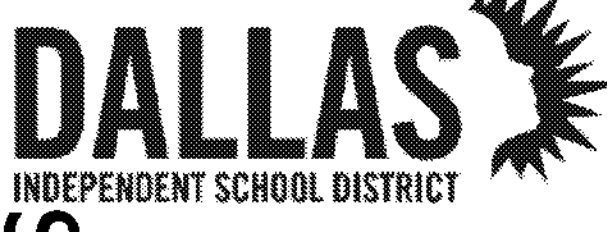
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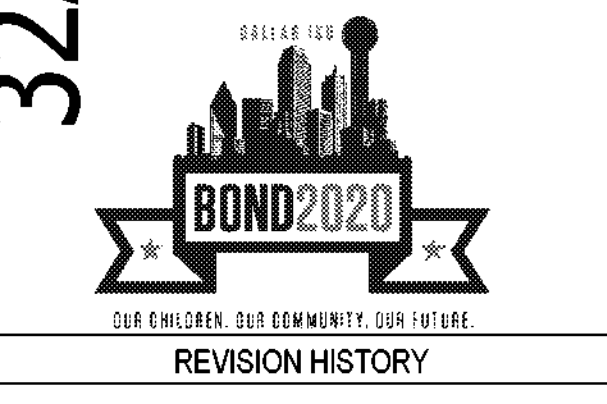
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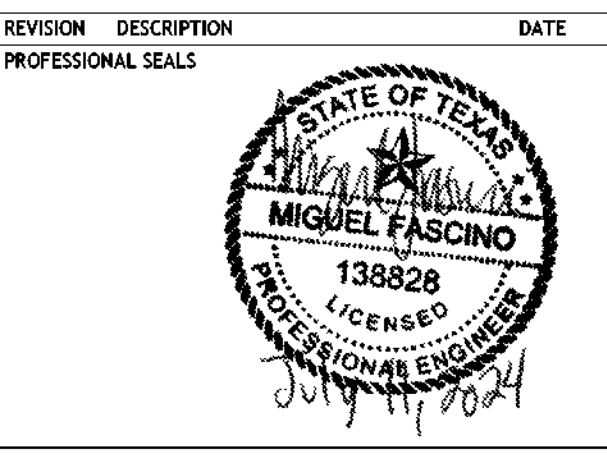
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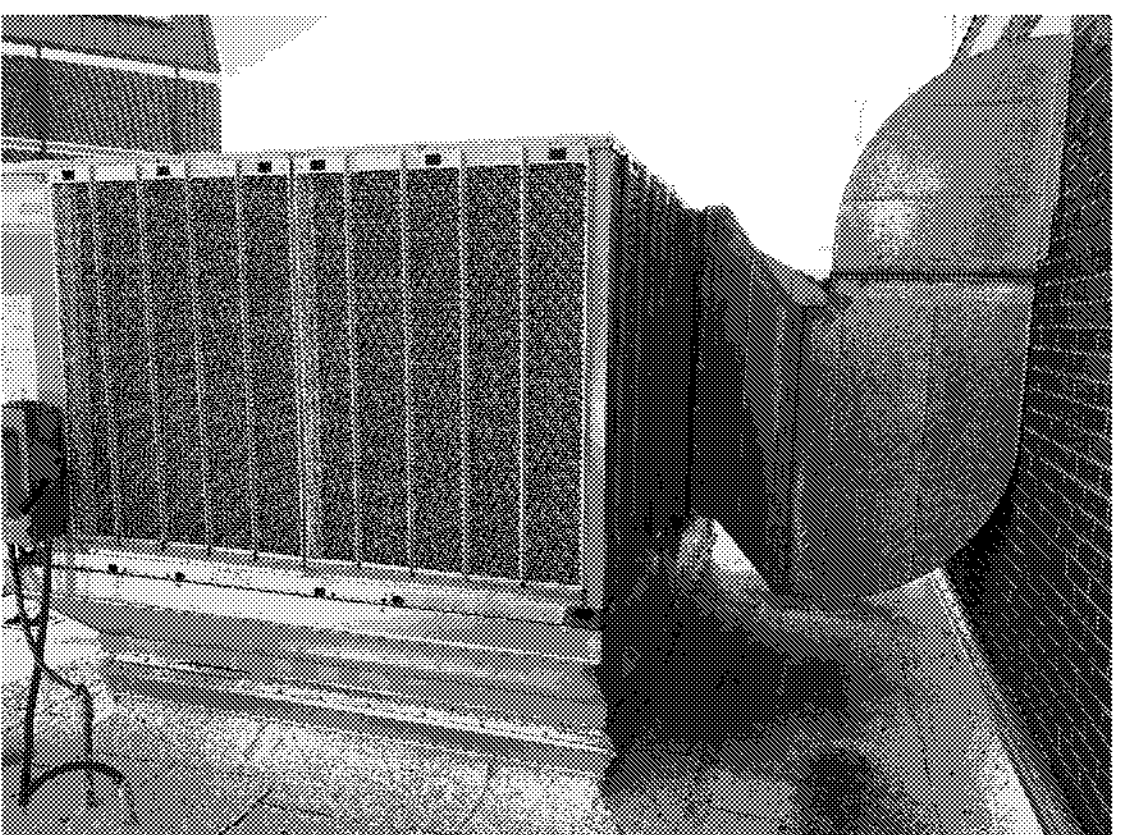
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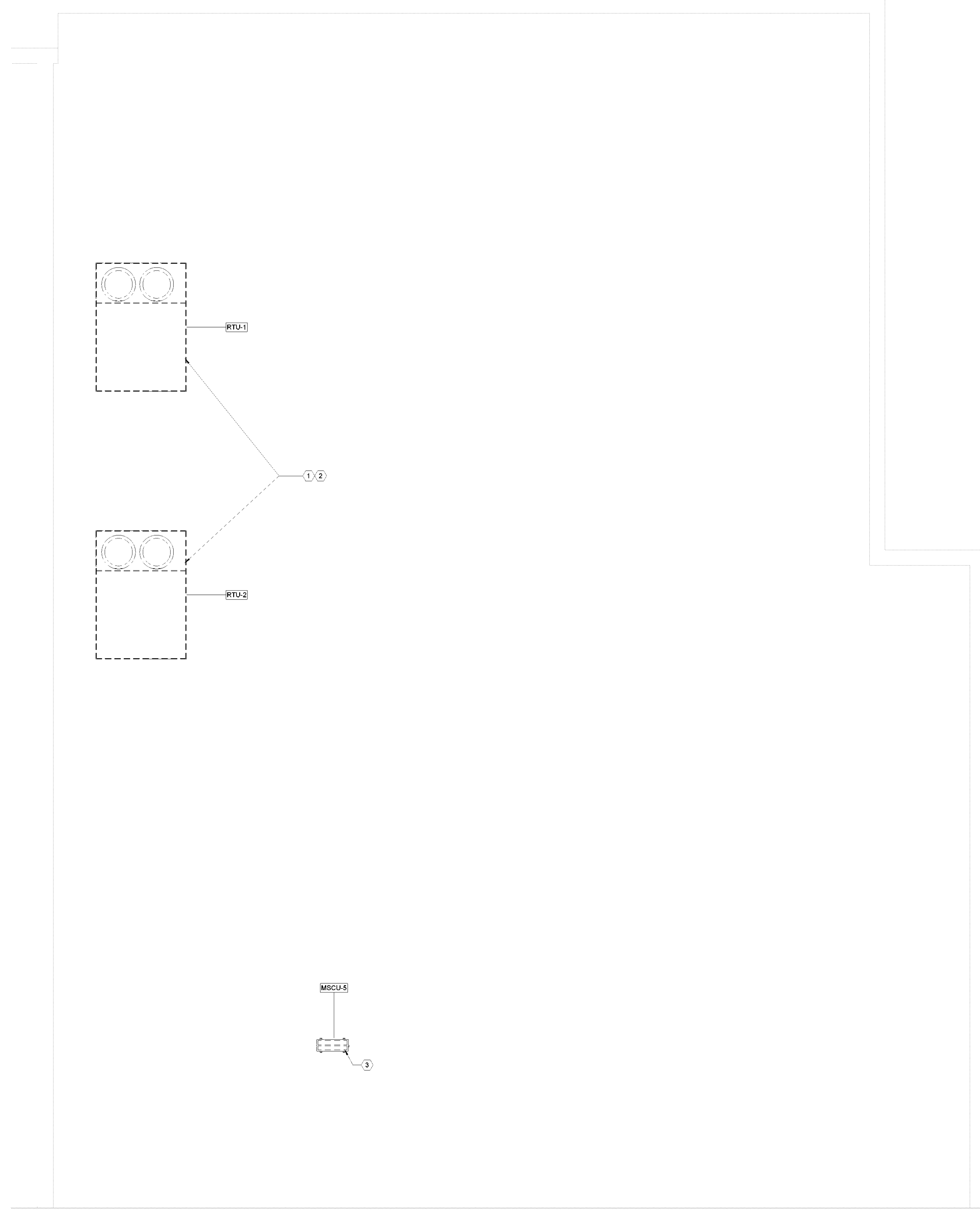
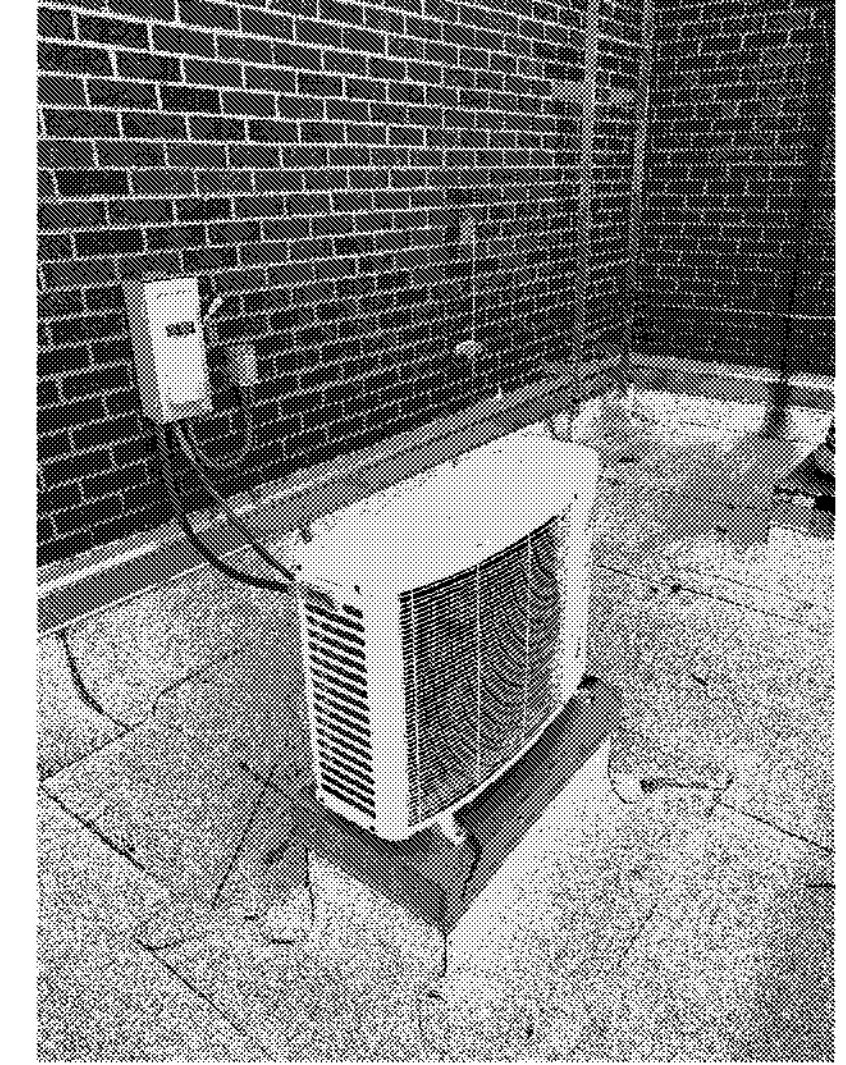
RTU-1



RTU-2



MSCU-5



MECH. GENERAL NOTES

1. REFER TO M-000 FOR ALL GENERAL NOTES.
2. REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.
3. CONTRACTOR SHALL REMOVE, RAISE, AND REINSTALL ALL CONDUIT, VENT PIPES, EQUIPMENT, GAS PIPING, ETC. IN ALL AREAS TO ACCOMMODATE NEW ROOF. COORDINATE WITH ARCHITECTURAL FOR ALL AREAS THAT REQUIRE A NEW ROOF.

MECH. KEYED NOTES

1. CONDENSATE DRAIN LINE CONNECTIONS SHALL BE ADAPTED TO THE NEW PACKAGED RTU UNITS. EXISTING CONDENSATE DRAIN LINES CAN BE REUSED WHEN IN OPERABLE CONDITION. CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE CONDENSATE DRAIN LINES REQUIRE ADDITIONAL REPAIRS BEYOND 20 FEET FROM THE NEW UNIT.
2. CONTRACTOR SHALL REMOVE AND DISCARD EXISTING PACKAGED ROOFTOP UNIT. EXISTING ELECTRICAL SERVICE, GAS SERVICE AND DRAIN LINES SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO THE NEW EQUIPMENT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE. EXISTING ROOF CURB SHALL REMAIN IN PLACE AND CURB ADAPTER SHALL BE PROVIDED FOR NEW PACKAGED UNIT.
3. CONTRACTOR SHALL DEMOLISH EXISTING DUCTLESS MINI-SPLIT SYSTEM AND ASSOCIATED CONTROLS, WIRING AND PIPING.

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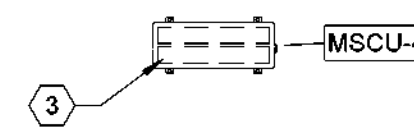
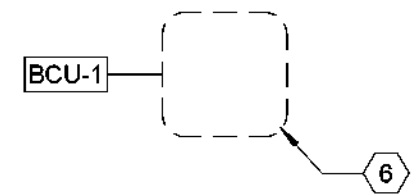
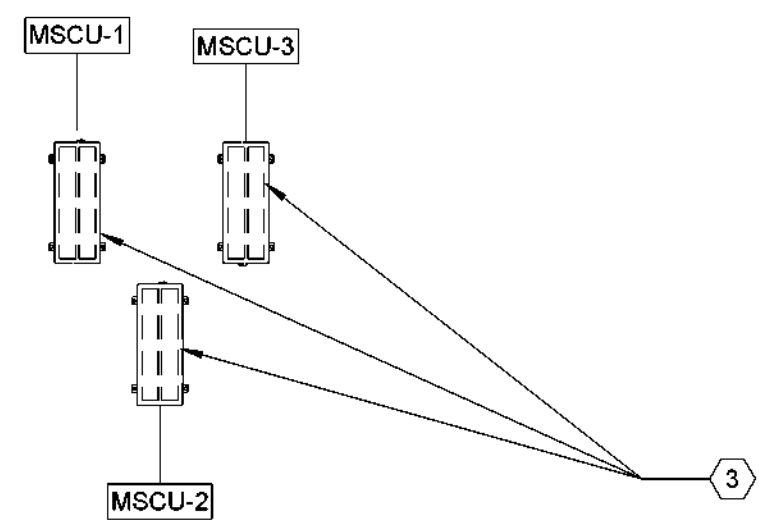
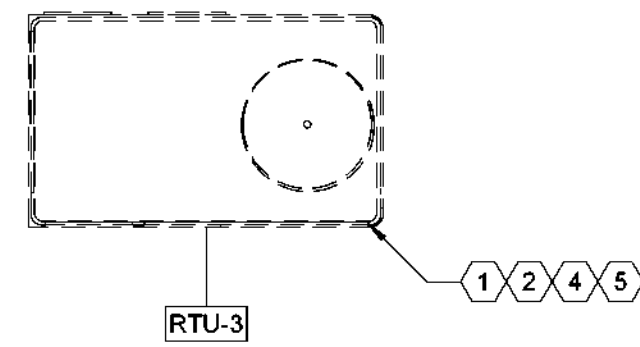
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138828
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JULY 17, 2024

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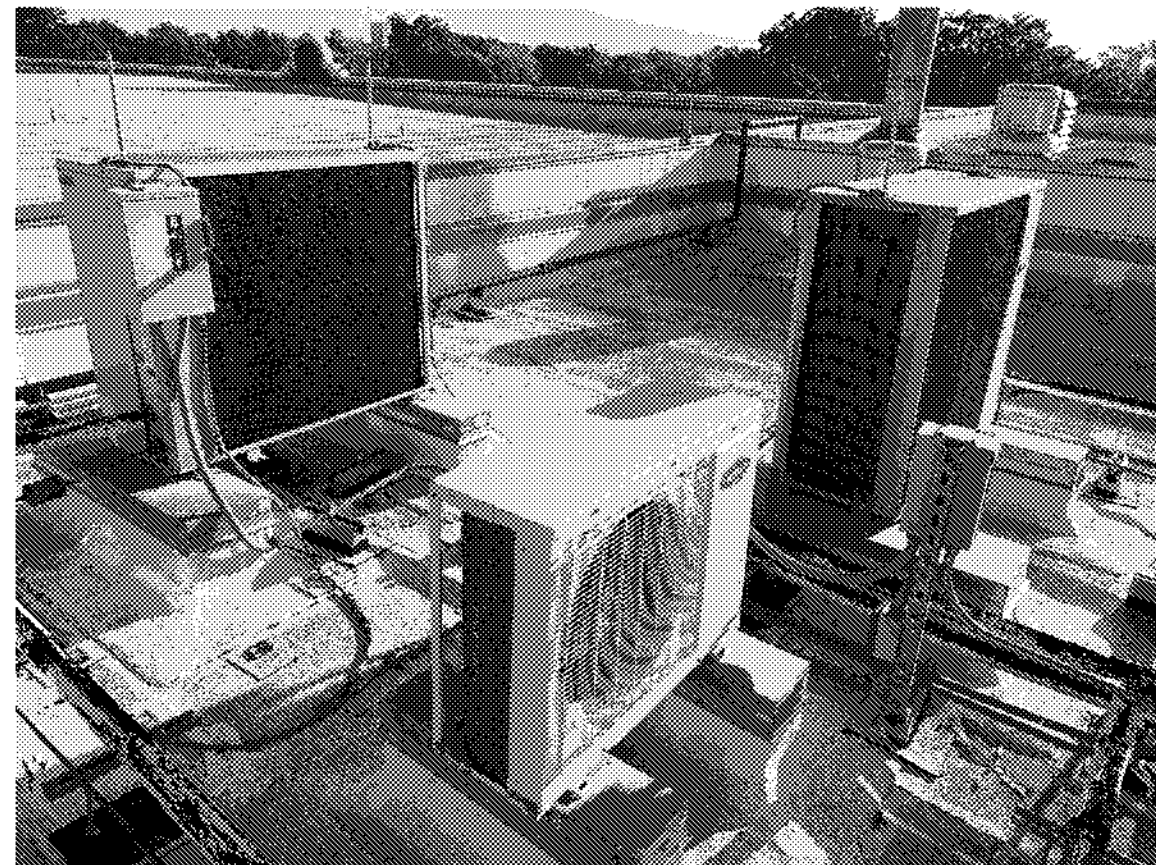
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ORIGINAL CODE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

MD-111
SHEET NUMBER

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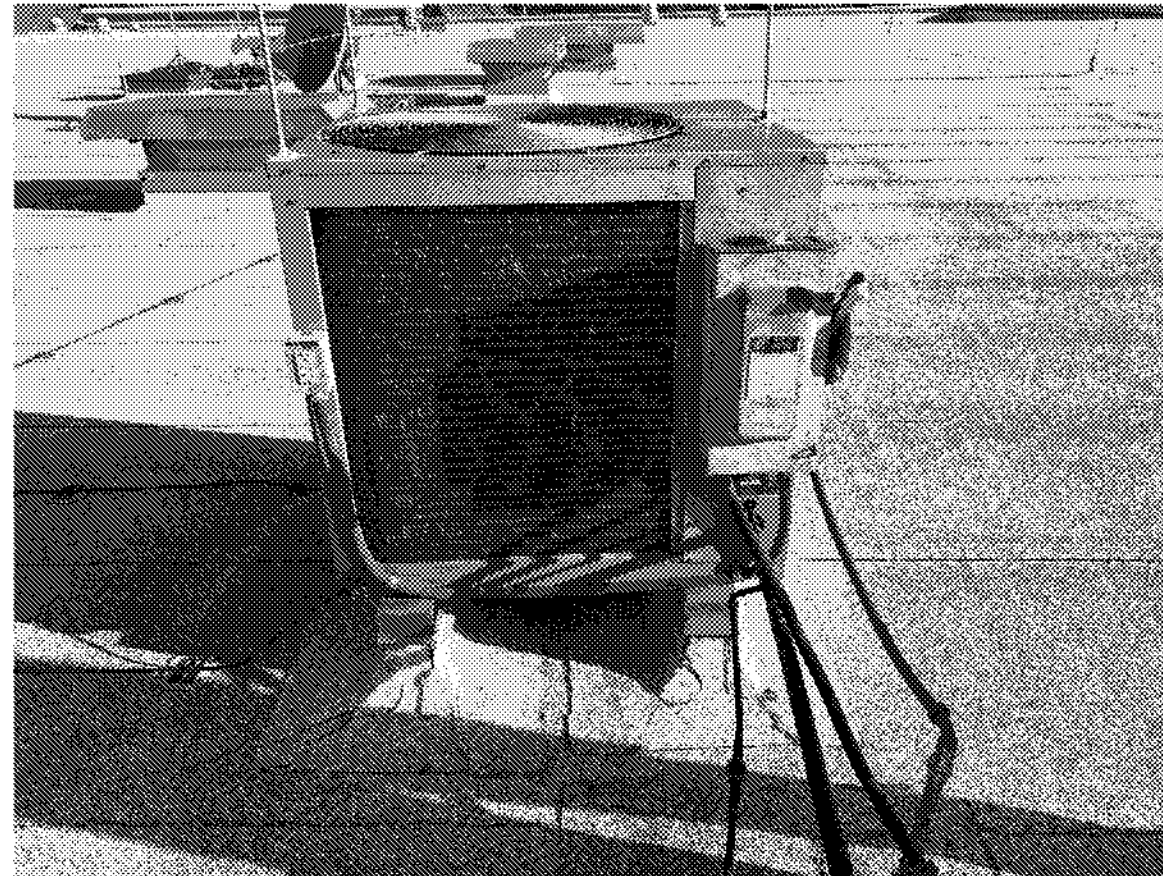
1 MECHANICAL DEMOLITION PLAN - ROOF - WEST
SCALE: 1/4" = 1'-0"



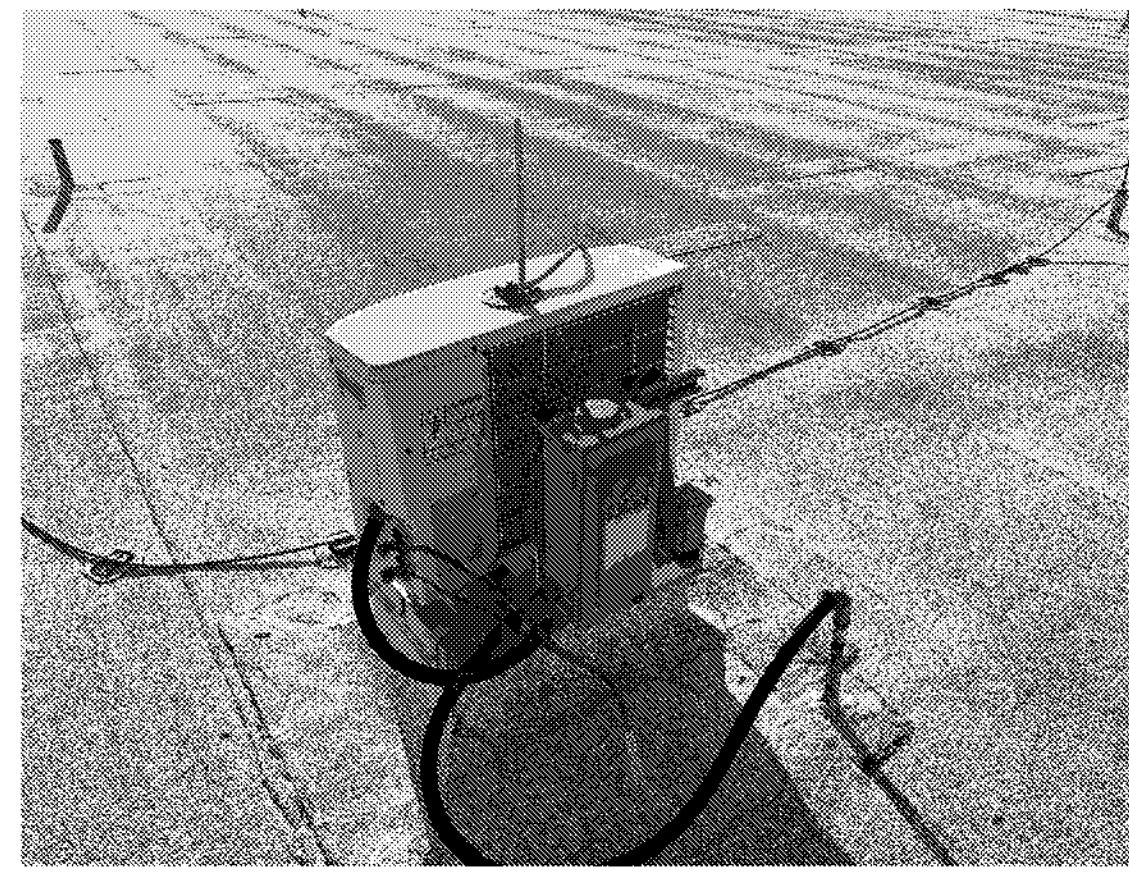
MSCU-1,2,3



RTU-3



BCU-1



MSCU-4

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.
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MECH. KEYED NOTES

- CONDENSATE DRAIN LINE CONNECTIONS SHALL BE ADAPTED TO THE NEW PACKAGED RTU UNITS. EXISTING CONDENSATE DRAIN LINES CAN BE REUSED WHEN IN OPERABLE CONDITION. CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE CONDENSATE DRAIN LINES REQUIRE ADDITIONAL REPAIRS BEYOND 20 FEET FROM THE NEW UNIT.
- CONTRACTOR SHALL REMOVE AND DISCARD EXISTING PACKAGED ROOFTOP UNIT. EXISTING ELECTRICAL SERVICE, GAS SERVICE AND DRAIN LINES SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO THE NEW EQUIPMENT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE. EXISTING ROOF CURB SHALL REMAIN IN PLACE AND CURB ADAPTER SHALL BE PROVIDED FOR NEW PACKAGED UNIT.
- CONTRACTOR SHALL DEMOLISH EXISTING DUCTLESS MINI-SPLIT SYSTEM AND ASSOCIATED CONTROLS, WIRING AND PIPING.
- EXISTING NATURAL GAS SERVICE SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO NEW EQUIPMENT.
- EXISTING DUCTWORK SHALL BE DISCONNECTED WITH THE INTENT OF ADAPTING AND RECONNECTING TO NEW EQUIPMENT. CONTRACTOR SHALL PROVIDE TEMPORARY COVERING FOR DUCTWORK DURING CONSTRUCTION.
- DEMOLISH EXISTING CONDENSING UNIT AND ASSOCIATED PIPING.

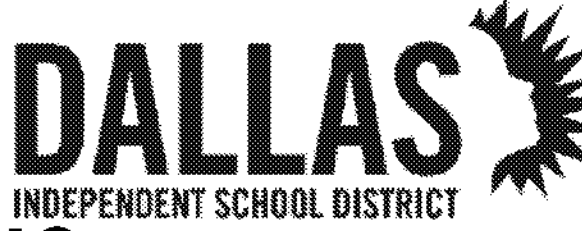
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PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL DATE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

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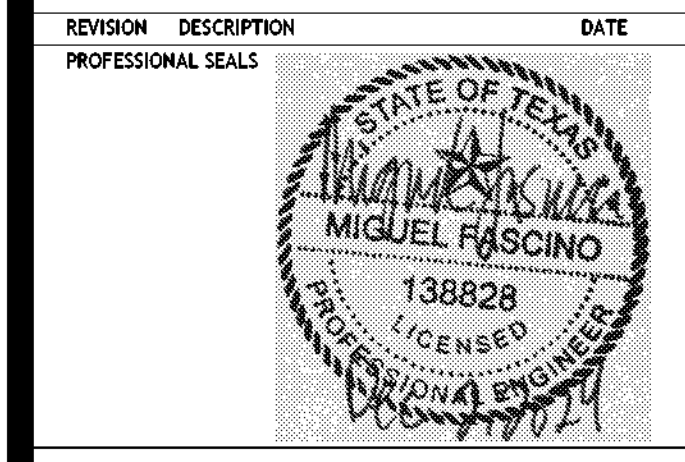
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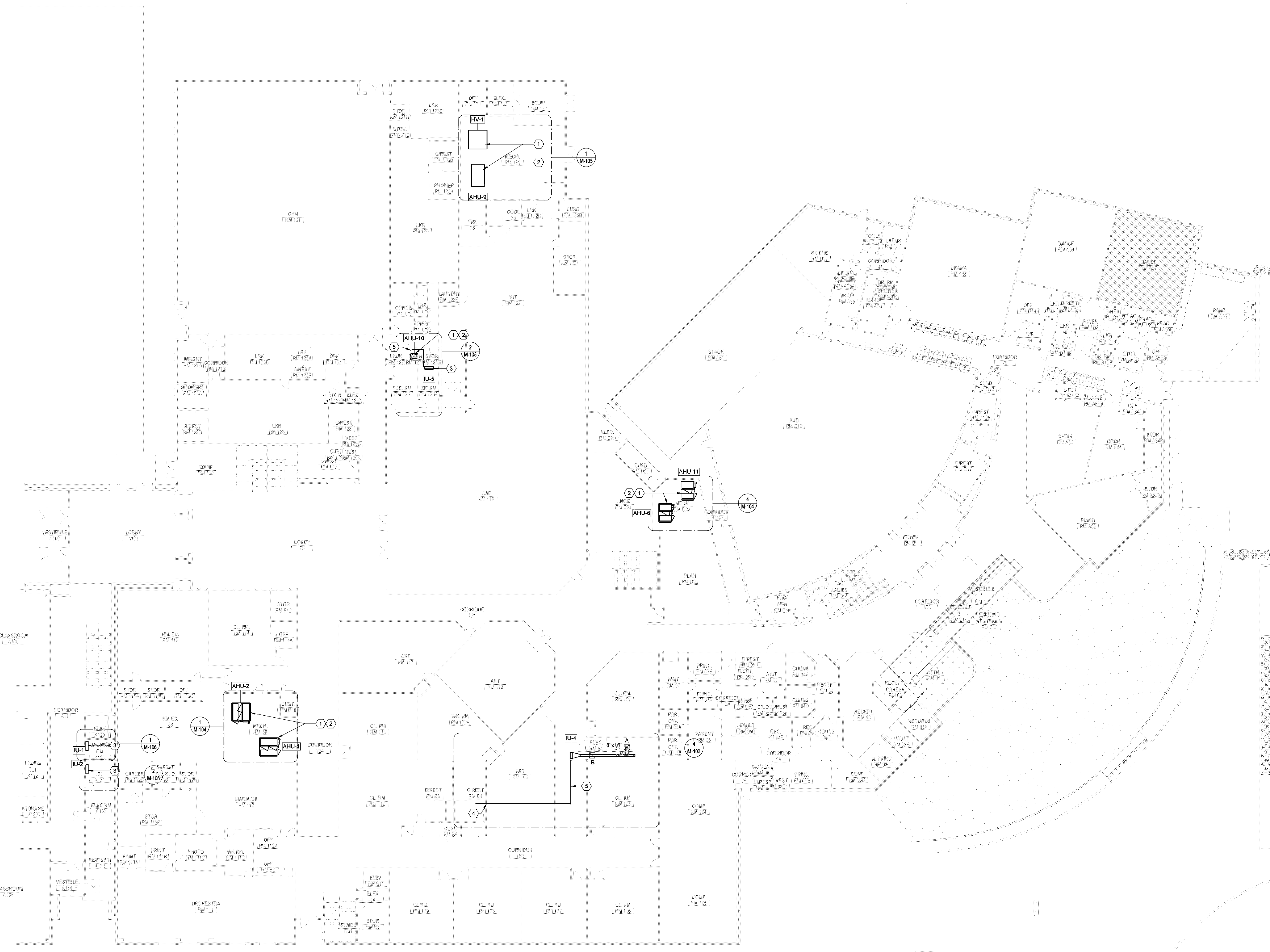
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MECHANICAL PLAN - LEVEL 1 - AREA A

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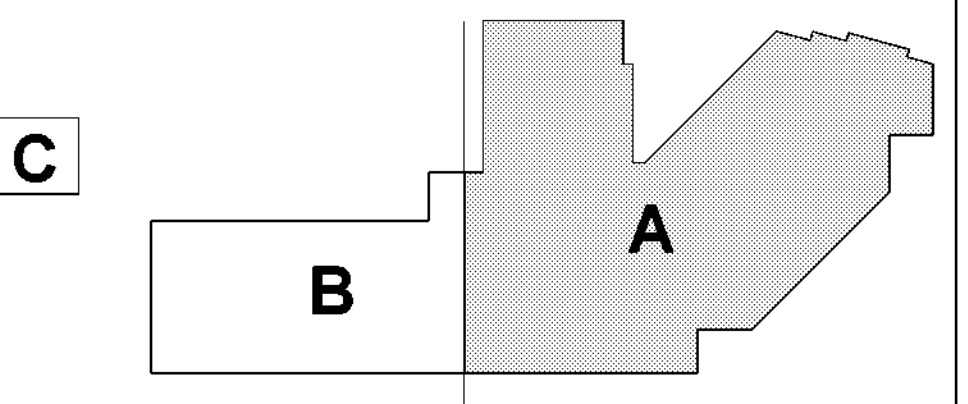


MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

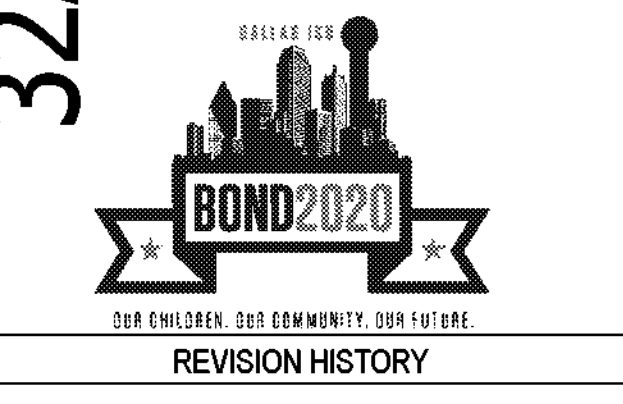
MECH. KEYED NOTES

- PROVIDE AND INSTALL NEW AHU BASED ON THE EQUIPMENT SCHEDULE. CONTRACTOR SHALL ADAPT AND CONNECT THE EXISTING DUCTWORK, HYDRONIC LINES, ELECTRICAL AND DRAIN LINES. PROVIDE DRAIN LINE CONNECTIONS TO THE NEW EQUIPMENT TO THE EXISTING DRAINLINES. INSPECT AND FLUSH THE EXISTING DRAINLINES PRIOR TO MAKING FINAL CONNECTIONS. ALL HOT/CHILLED WATER VALVES, GAUGES AND SENSORS TO BE REPLACED.
- PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK.
- PROVIDE AND INSTALL NEW MINI SPLIT INDOOR UNIT AND CONNECT TO EXISTING DRAIN LINES. ELECTRICAL AND REFRIGERANT LINES WHEN REFRIGERANT LINES ARE REUSED, REUSED REFRIGERANT LINES SHALL BE LEAK TESTED AND FLUSHED.
- ROUTE AND CONNECT CONDENSATE DRAIN LINE TO SINK TAIL PIECE.
- ROUTE FULL SIZED CONDENSATE DRAIN LINE AT A SLOPE OF 1/4" PER FOOT. PROVIDE CLEANOUT AS REQUIRED BY THE CODE.



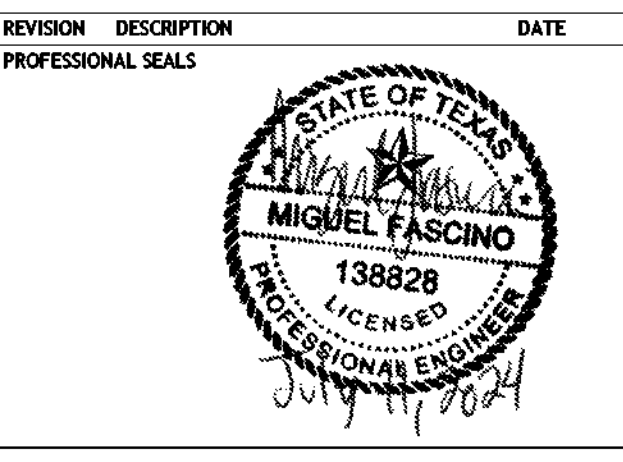
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1 MECHANICAL PLAN - LEVEL 01 - AREA A
 SCALE: 1/16" = 1'-0"



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MECHANICAL YMCA PLAN - LEVEL 01 - AREA C

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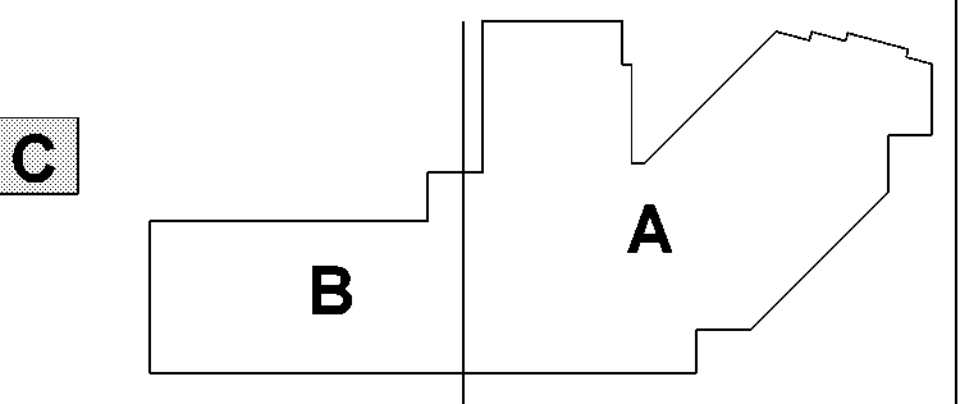
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MECH. GENERAL NOTES

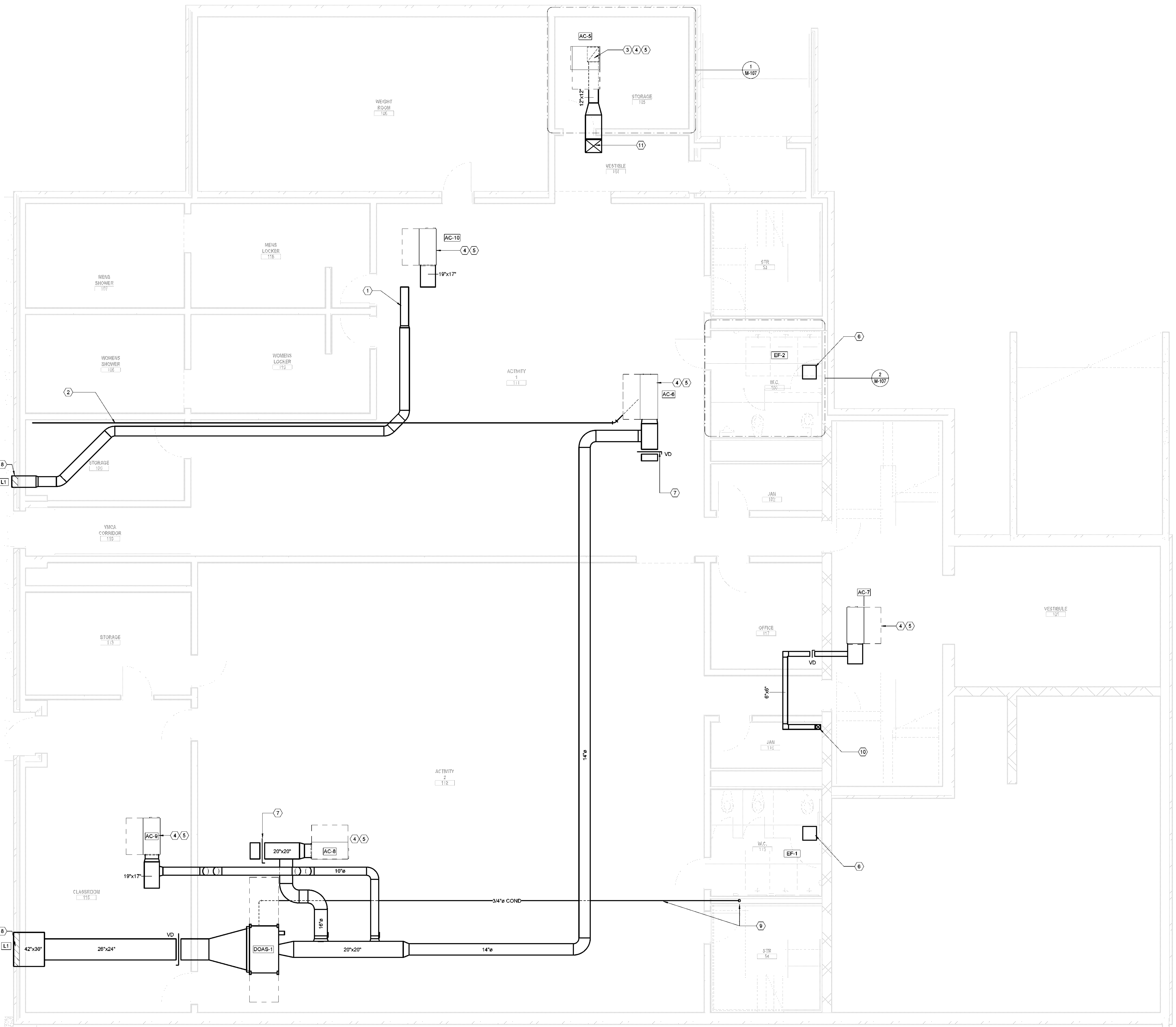
- REFER TO M-000 FOR ALL GENERAL NOTES.
 - REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.
- CONTRACTOR IS TO INSTALL NEW AC FILTERS ON ALL NEWLY INSTALLED AC EQUIPMENT ONE WEEK PRIOR TO THE SUBSTANTIAL COMPLETION DATE AND ONE WEEK PRIOR TO THE SIX MONTH WARRANTY WALK.

MECH. KEYED NOTES

- CAP OA DUCT. CAP MUST BE MECHANICALLY FASTENED AND SEALED AIR TIGHT.
- CONTRACTOR SHALL ROUTE NEW REFRIGERANT LINES AND CONTROL WIRING FOR UPSIZING AC-6. SUPPORT AND CONCEAL REFRIGERANT LINES. CONTRACTOR SHALL VERIFY ROUTING AND LENGTH PRIOR TO BEGINNING CONSTRUCTION.
- REPLACE HORIZONTAL GAS FURNACE AND COIL. INCLUDE NEW VENT PIPE OUT THROUGH THE ROOF USING THE EXISTING ROOF JACK. PROVIDE OR ADAPT THE GAS CONNECTION WITH NEW SEDIMENT TRAP, SHUT-OFF VALVE AND HARD PIPE INTO THE GAS FURNACE.
- TAP EXISTING SUPPLY AIR DUCT INTO AC UNIT. PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK. TYP. ON ALL NEW AC UNITS.
- PROVIDE DRAIN LINE CONNECTIONS FOR THE NEW EQUIPMENT TO THE EXISTING DRAINLINES. INSPECT AND FLUSH THE EXISTING DRAINLINES PRIOR TO MAKING FINAL CONNECTIONS.
- TAP EXISTING EXHAUST DUCT INTO NEW EXHAUST FAN. PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK.
- MOTORIZED DAMPER TO BE 120V/1PH (TYPICAL OF ALL)
- OA INTAKE LOUVER. REFER TO MECHANICAL SCHEDULES FOR MAKE AND MODEL
- CONDENSATE DRAIN LINE ROUTED TO SINK TAIL PIECE TERMINATION. PROVIDE GRAVITY DRAIN AT 1/4" PER FOOT MINIMUM.
- 6"x6" OA DUCT DOWN THROUGH CHASE. ROUTE OA DUCT TO AC-7 RETURN.
- 20"x16" OA DUCT DOWN FROM INTAKE HOOD IH-3 ON ROOF. ROUTE OA DUCT TO AC-5 RETURN.



(NOT TO SCALE) KEY PLAN



1 MECHANICAL YMCA PLAN - LEVEL 01 - AREA C
 SCALE: 1/4" = 1'-0"

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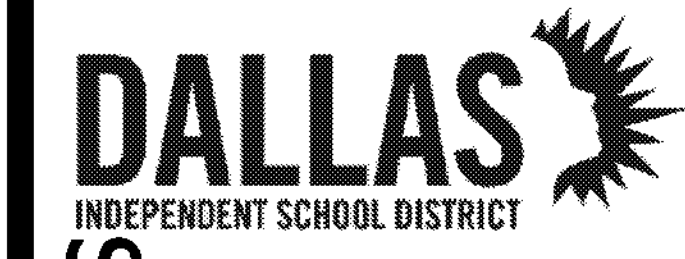
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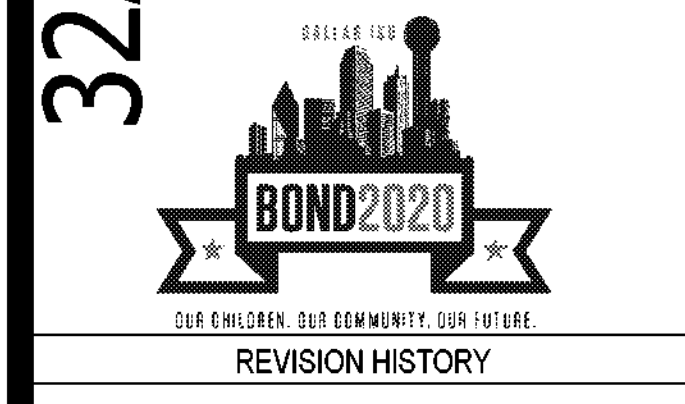
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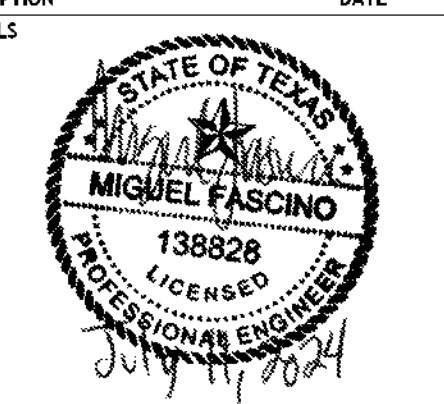
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MECHANICAL PLAN - LEVEL 02 - AREA A

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 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
 ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION DATE: 12 JULY 2024

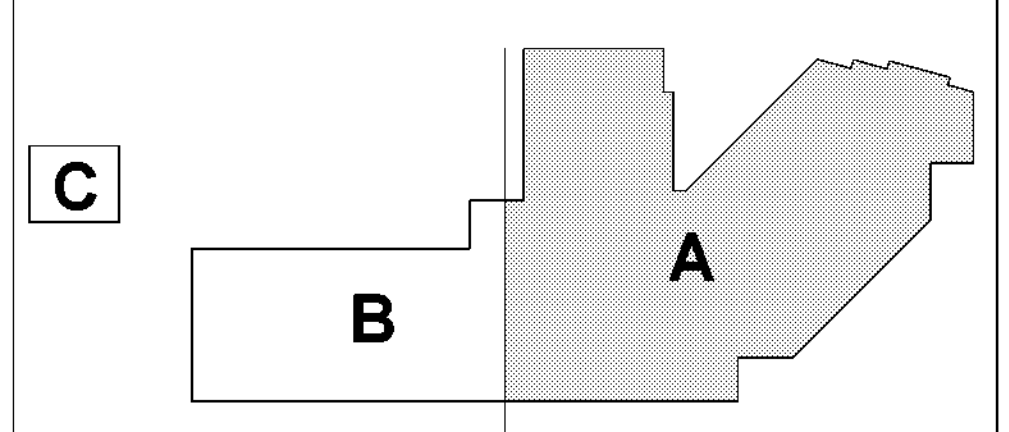
M-102-A
 SHEET NUMBER

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- PROVIDE AND INSTALL NEW AHU BASED ON THE EQUIPMENT SCHEDULE. CONTRACTOR SHALL ADAPT AND CONNECT THE EXISTING DUCTWORK, HYDRONIC LINES, ELECTRICAL AND DRAIN LINES. PROVIDE DRAIN LINE CONNECTIONS TO THE NEW EQUIPMENT TO THE EXISTING DRAINLINES. INSPECT AND FLUSH THE EXISTING DRAINLINES PRIOR TO MAKING FINAL CONNECTIONS. ALL HOT/CILLED WATER VALVES, GAUGES AND SENSORS TO BE REPLACED.
- PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK.
- PROVIDE AND INSTALL NEW MINI SPLIT INDOOR UNIT AND CONNECT TO EXISTING DRAIN LINES. ELECTRICAL AND REFRIGERANT LINES WHEN REFRIGERANT LINES ARE REUSED. REUSED REFRIGERANT LINES SHALL BE LEAK TESTED AND FLUSHED.



MECHANICAL PLAN - LEVEL 02 - AREA A
 SCALE: 1/16" = 1'-0"

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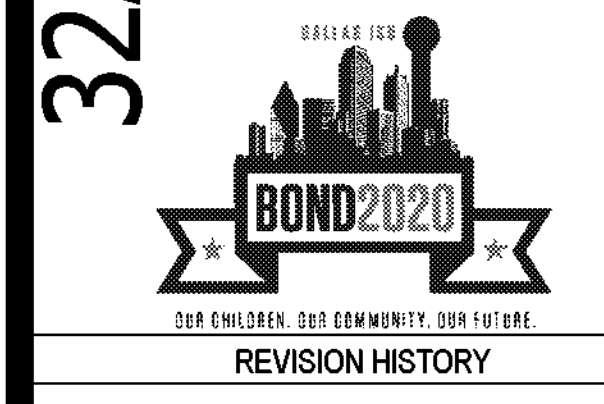
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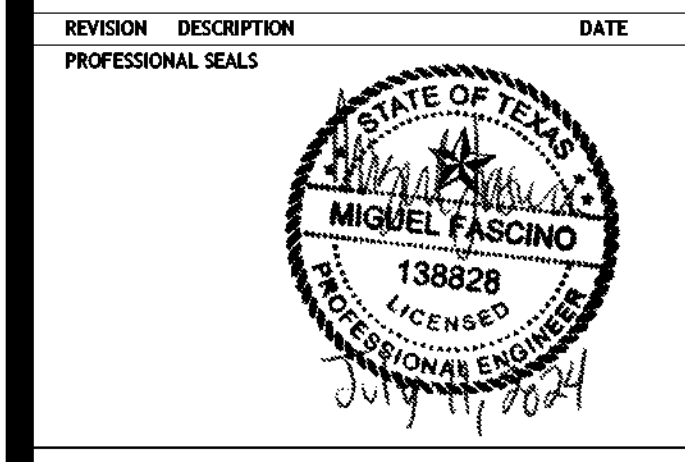
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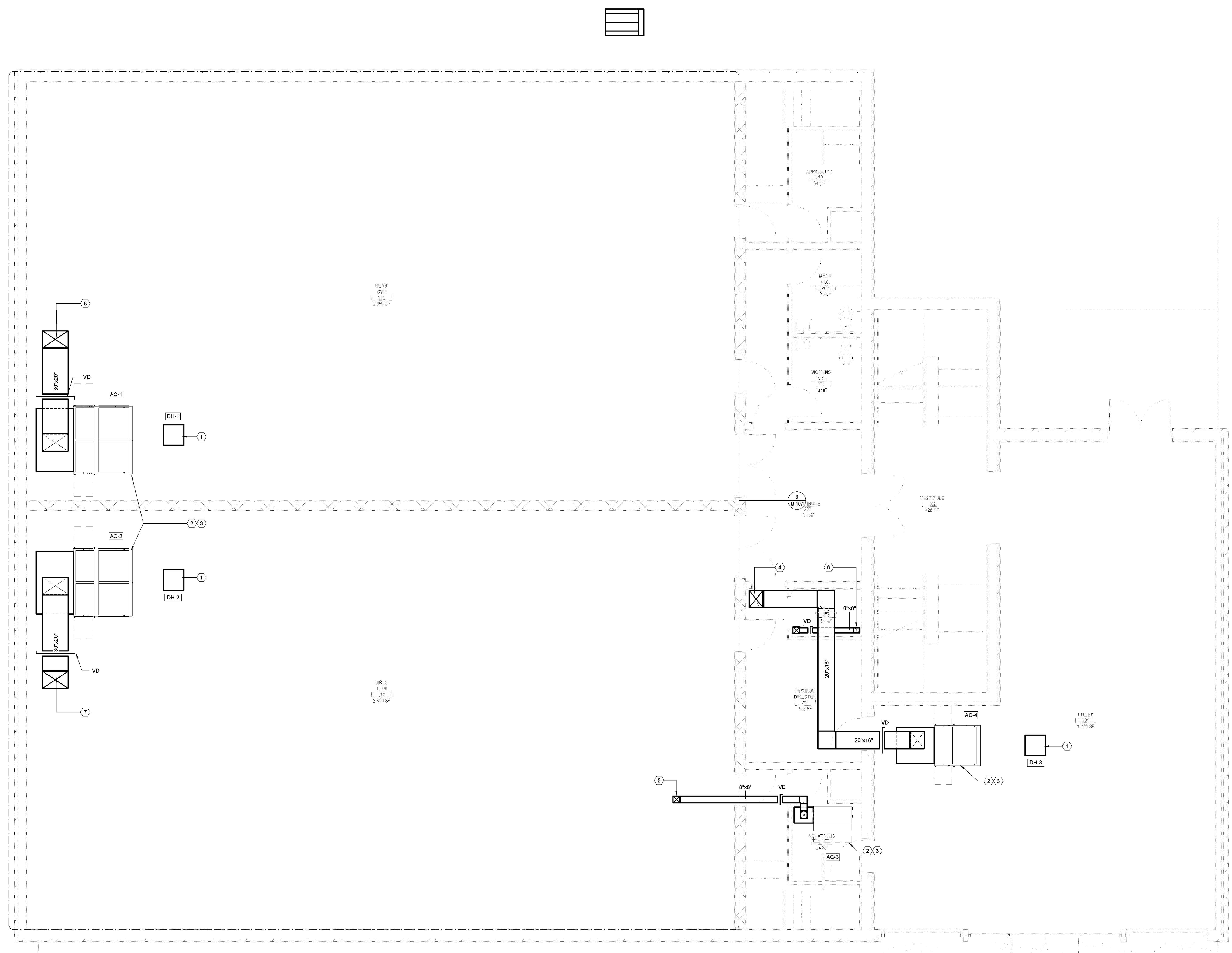
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MECHANICAL YMCA PLAN - LEVEL 2 - AREA C

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PROJECT NUMBER	PROJECT ABBREVIATION
32AC23037	GEAA
ORIGINAL CODE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

M-102-C
SHEET NUMBER



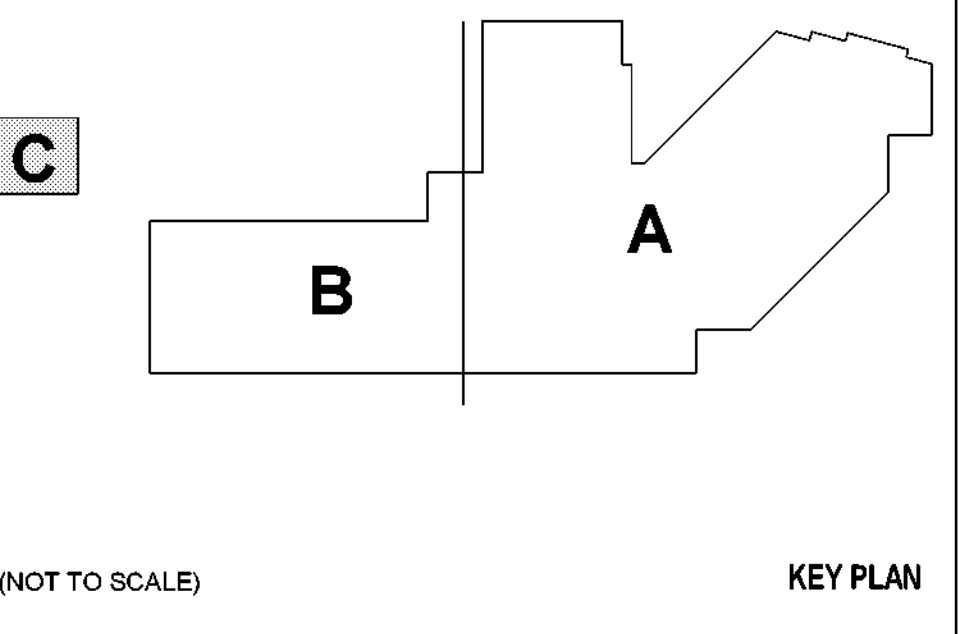
MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

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

MECH. KEYED NOTES

- INSTALL INLINE DUCT HEATER WITH SPLIT PLENUM AND BYPASS.
- TAP EXISTING SUPPLY AIR DUCT INTO AC UNIT. PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK. TYP. ON ALL NEW AC UNITS.
- PROVIDE DRAIN LINE CONNECTIONS FOR THE NEW EQUIPMENT TO THE EXISTING DRAINLINES. INSPECT AND FLUSH THE EXISTING DRAINLINES PRIOR TO MAKING FINAL CONNECTIONS.
- OA DUCT DOWN FROM INTAKE HOOD IH-6 ON ROOF. ROUTE OA DUCT TO AC-4 RETURN.
- OA DUCT DOWN FROM INTAKE HOOD IH-5 ON ROOF. ROUTE OA DUCT TO AC-3 RETURN.
- OA DUCT DOWN THROUGH CHASE FROM INTAKE HOOD IH-4 ON ROOF. ROUTE OA DUCT TO AC-2 RETURN.
- OA DUCT DOWN FROM INTAKE HOOD IH-2 ON ROOF. ROUTE OA DUCT TO AC-2 RETURN.
- OA DUCT DOWN FROM INTAKE HOOD IH-1 ON ROOF. ROUTE OA DUCT TO AC-1 RETURN.



1 MECHANICAL YMCA PLAN - LEVEL 02 - AREA C
SCALE: 1/4" = 1'-0"

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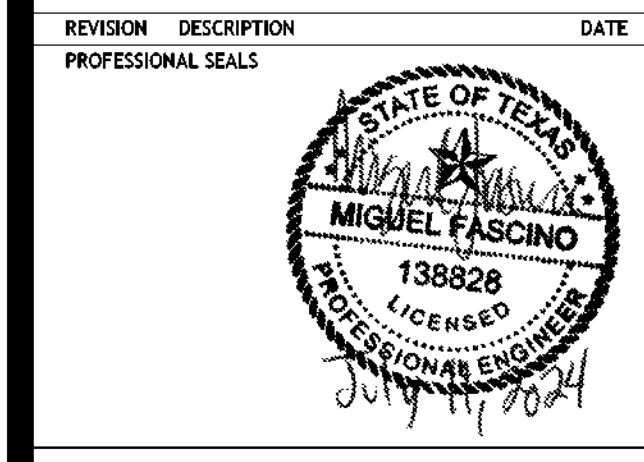


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MECHANICAL PLAN - ROOF

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PROJECT NUMBER: 32AC23037 **PROJECT ABBREVIATION:** GEAA

ORIGINAL CODE: 100% ISSUE FOR CONSTRUCTION **DATE:** 12 JULY 2024

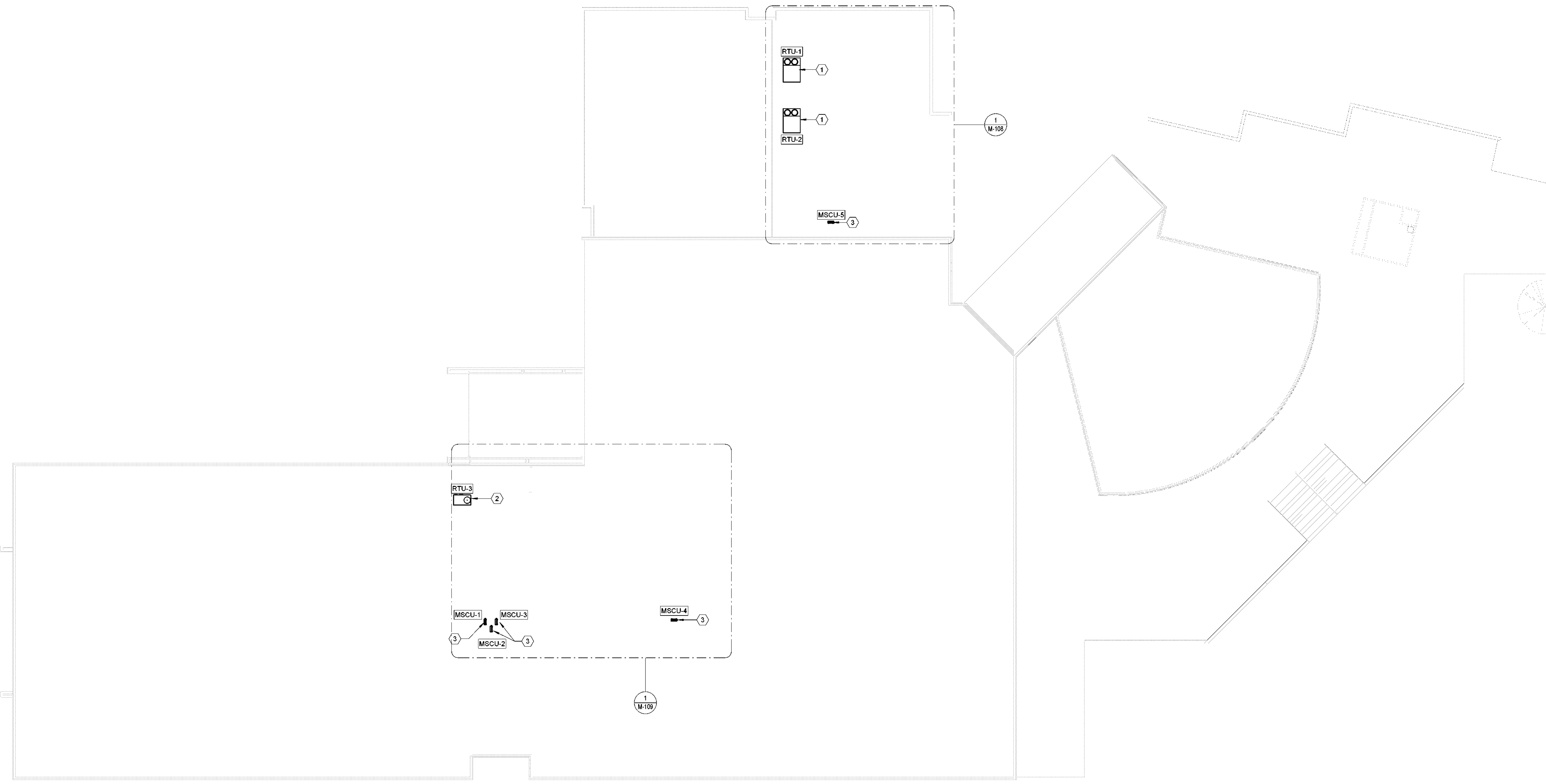
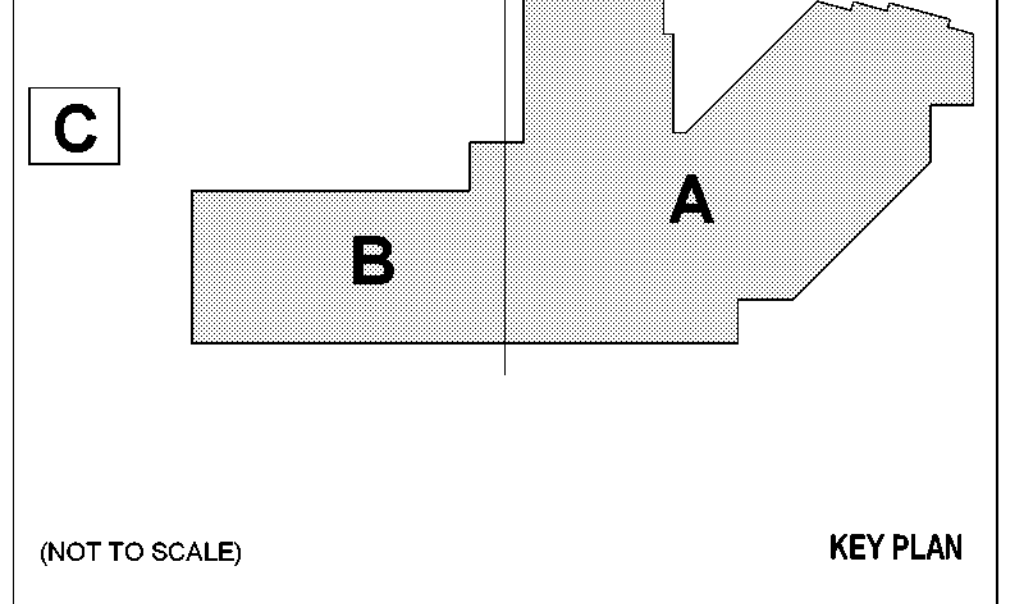
M-103
SHEET NUMBER

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- SIDE DISCHARGE ROOFTOP UNIT. PROVIDE OR ADAPT THE GAS CONNECTION WITH SEDIMENT TRAP, SHUT-OFF VALVE AND HARD PIPE INTO GAS FURNACE.
- DOWN DISCHARGE ROOFTOP UNIT. PROVIDE OR ADAPT THE GAS CONNECTION WITH SEDIMENT TRAP, SHUT-OFF VALVE, AND HARD PIPE INTO GAS FURNACE.
- NEW MINI SPLIT CONDENSING UNIT. INSTALL NEW CONDENSING UNIT AND VERIFY THAT NEW UNIT IS PROPERLY SUPPORTED. PROVIDE EQUIPMENT PAD OR RISERS AS NOTED ON THE EQUIPMENT SCHEDULE. EXISTING ELECTRICAL SERVICE AND CONTROL WIRING SHALL BE ADAPTED AND RECONNECTED TO THE NEW EQUIPMENT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE.



1 MECHANICAL PLAN - OVERALL - ROOF
SCALE: 3/64" = 1'-0"

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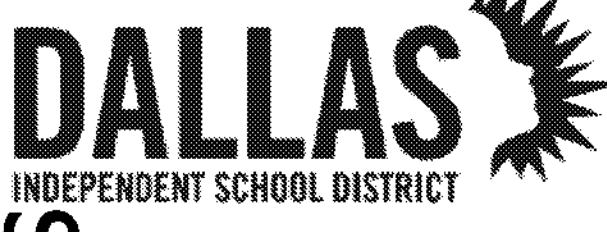
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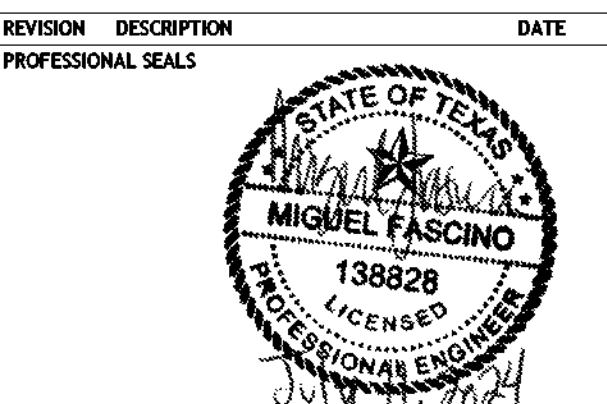
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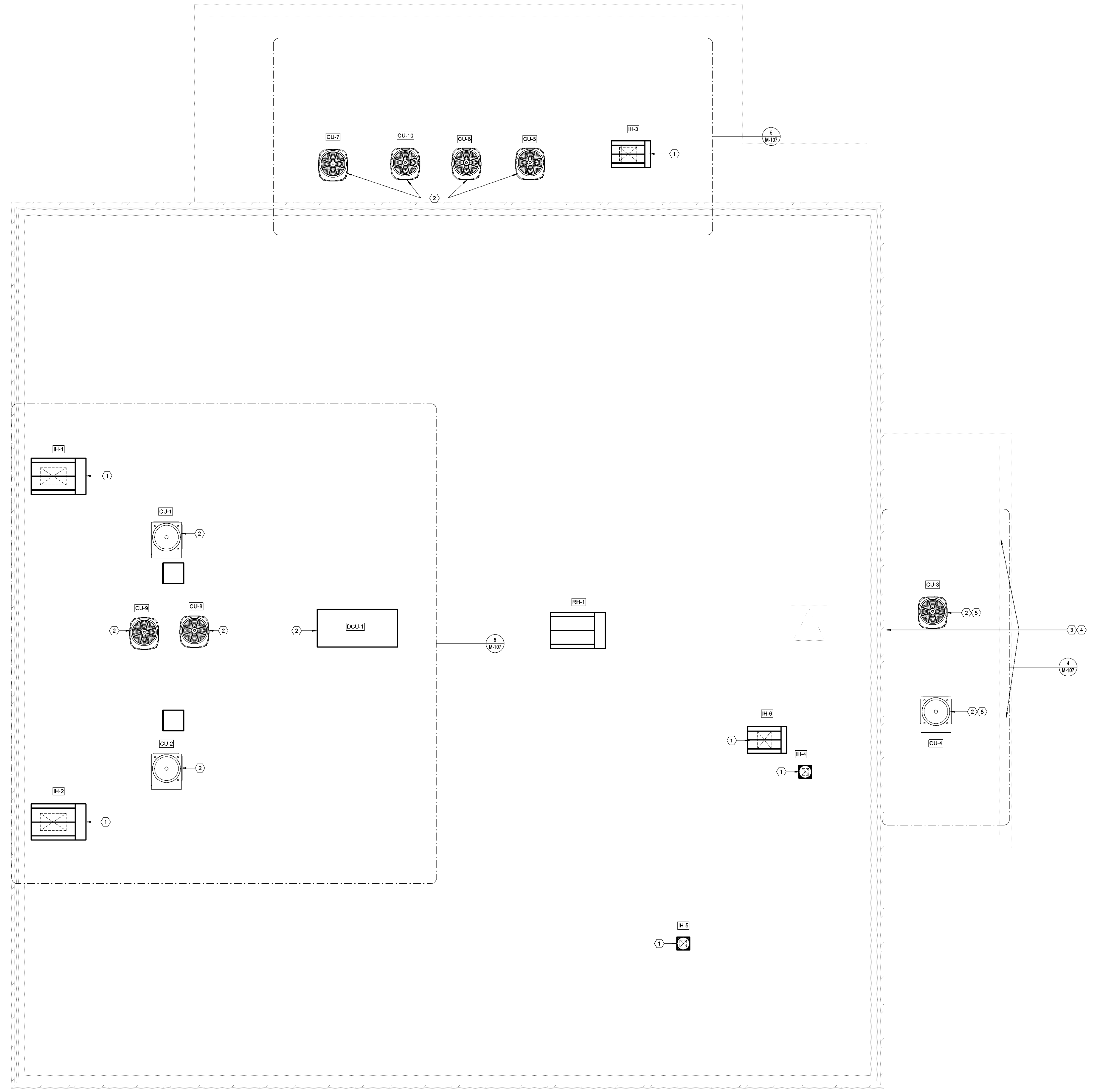
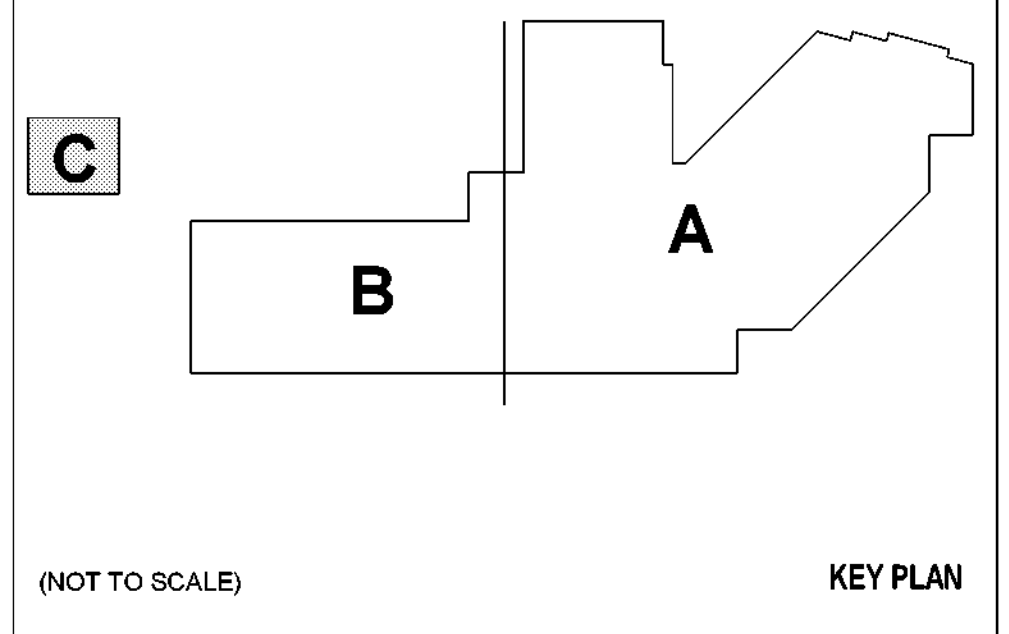


MECHANICAL YMCA PLAN - ROOF
DRAWN BY: Author
PROJECT NUMBER: 32AC23037
ORIGINAL DATE: 100% ISSUE FOR CONSTRUCTION
CHECKED BY: Checker
PROJECT ABBREVIATION: GEAA
DATE: 12 JULY 2024

M-103-C
SHEET NUMBER

- MECH. GENERAL NOTES**
- REFER TO M-000 FOR ALL GENERAL NOTES.
 - REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.
 - CONTRACTOR TO PERFORM LEAK TEST AT THE COMPLETION OF WORK AND SUBMIT LEAK TEST REPORT TO DISD FACILITIES.

- MECH. KEYED NOTES**
- ALL INTAKE HOODS MUST BE INSTALLED A MINIMUM OF 12 FEET FROM BUILDING EXHAUSTS OR HAZARDOUS VENTS.
 - INSTALL NEW CONDENSING UNIT AND VERIFY THAT NEW UNIT IS PROPERLY SUPPORTED. PROVIDE EQUIPMENT PAD OR RISERS AS NOTED ON THE EQUIPMENT SCHEDULE. EXISTING ELECTRICAL SERVICE, AND CONTROL WIRING SHALL BE ADAPTED AND RECONNECTED TO THE NEW EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE.
 - REFER TO ARCHITECTURAL DRAWINGS FOR ACCESS LADDER.
 - REFER TO ARCHITECTURAL DRAWINGS FOR GAIRD RAILS.
 - ROUTE NEW GAS AND / OR REFRIGERANT PIPING THROUGH DECK TO ASSOCIATED INDOOR UNIT. SEE PIPE PENETRATION DETAIL 6M-502.



1 MECHANICAL YMCA PLAN - ROOF
SCALE: 1/4" = 1'-0"

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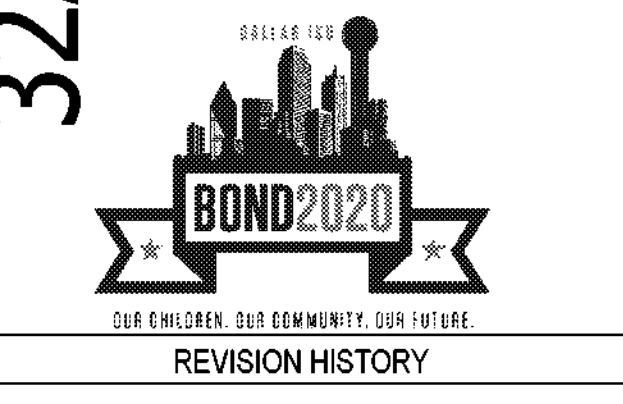
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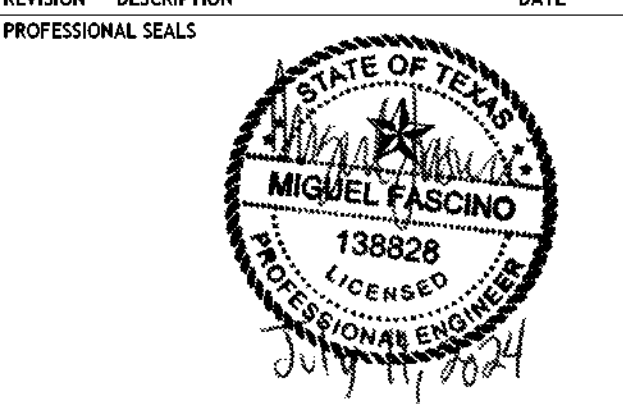


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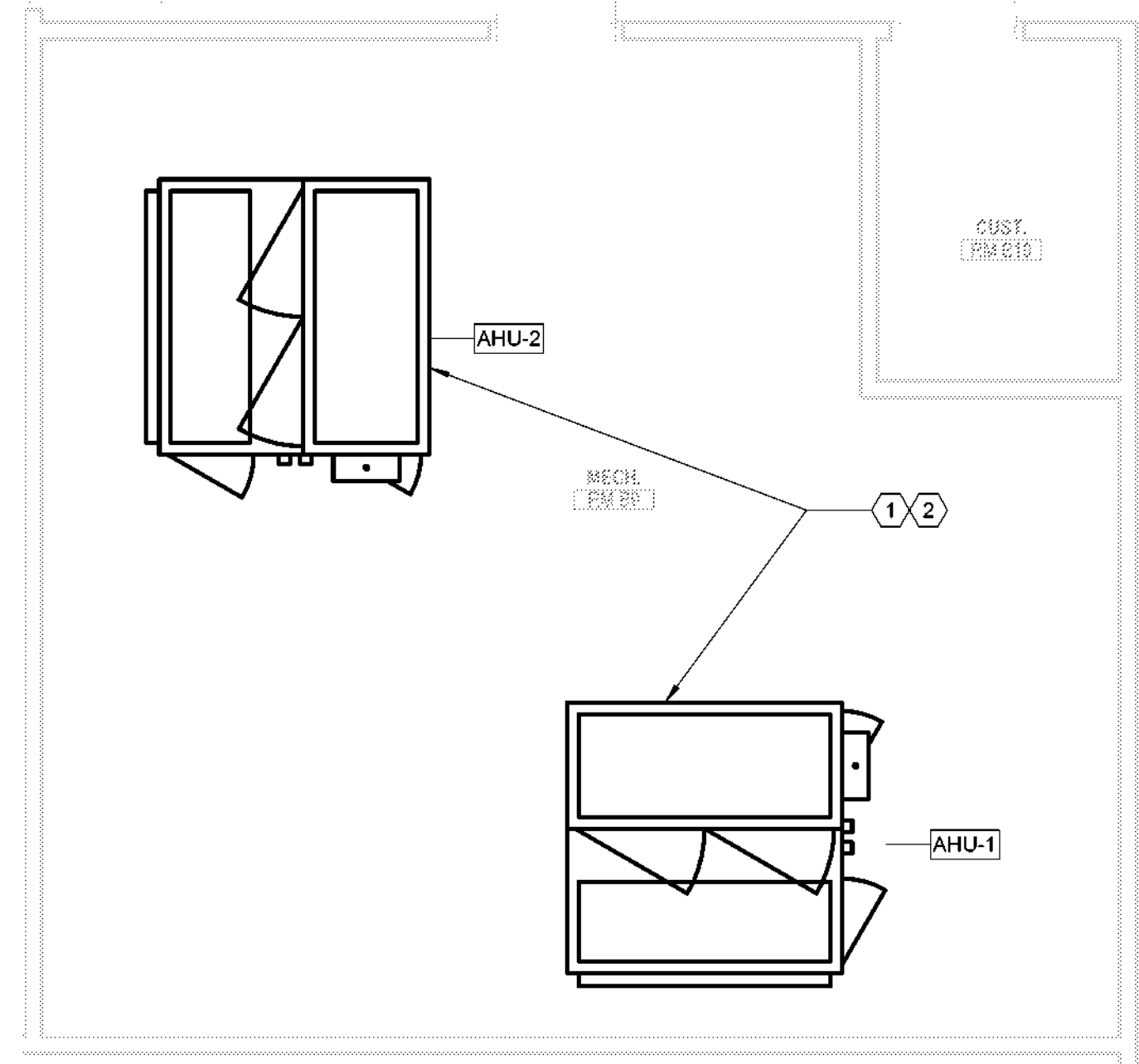
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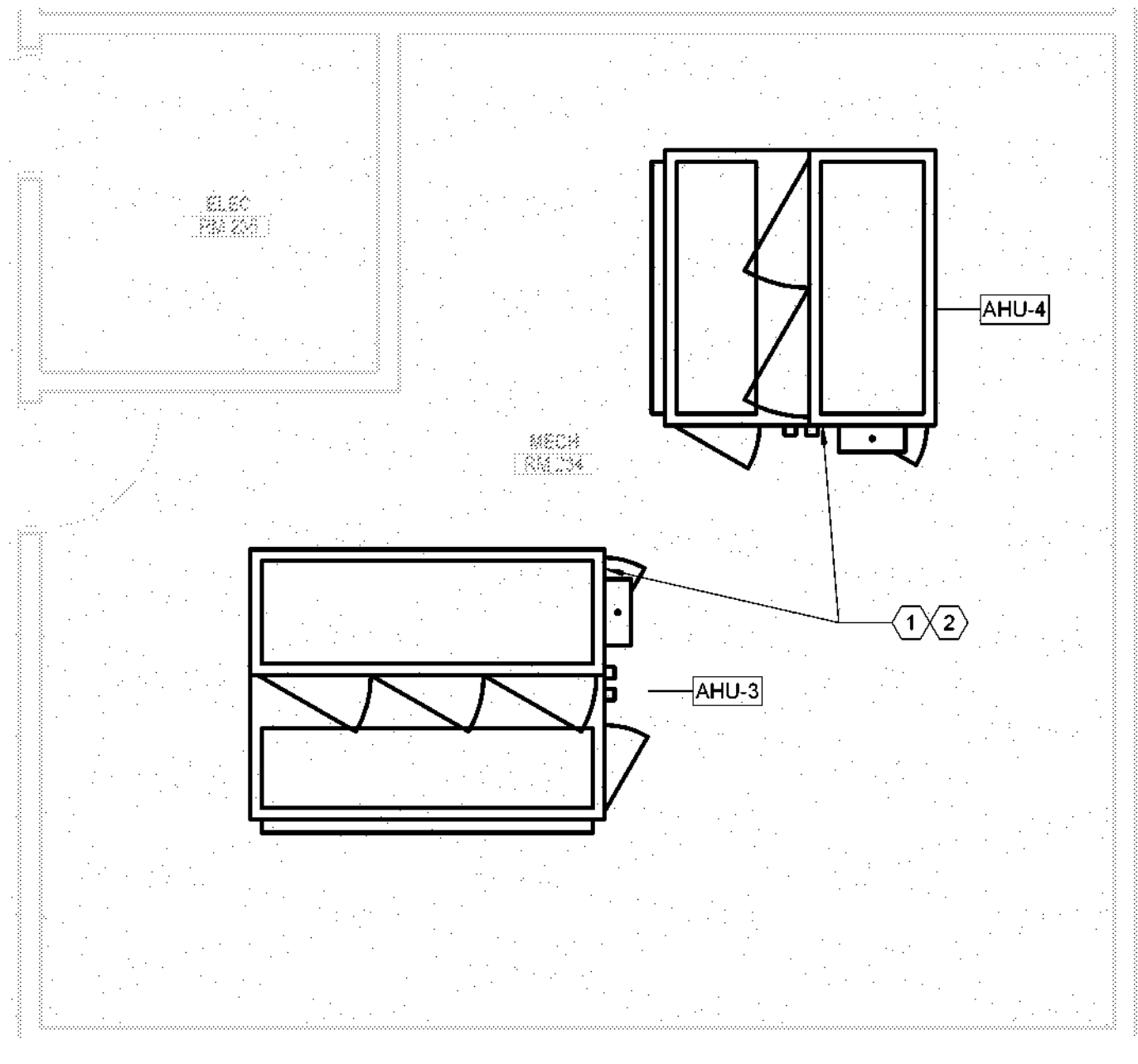
MECHANICAL- NEW EQUIPMENT

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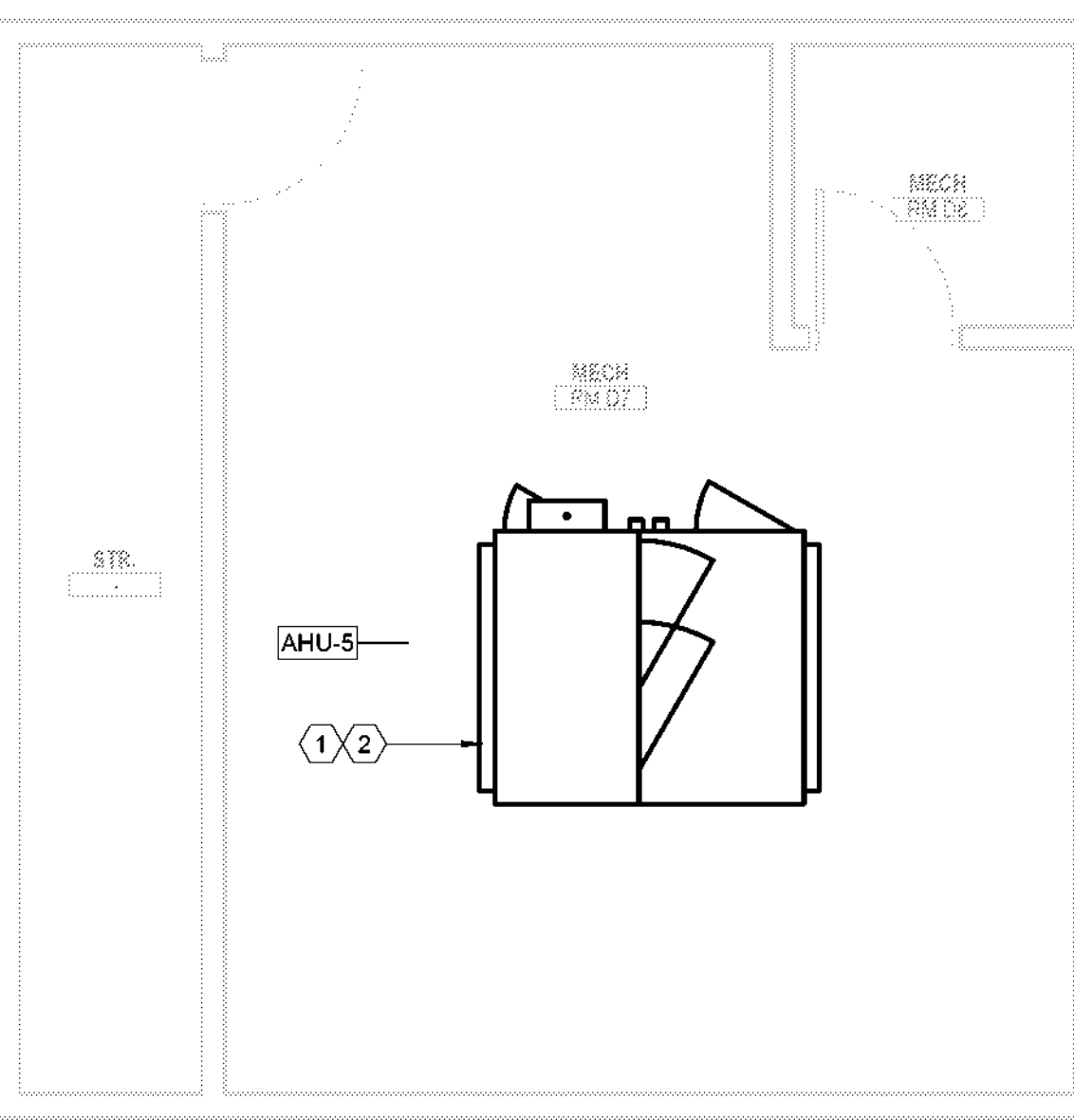
M-104
SHEET NUMBER



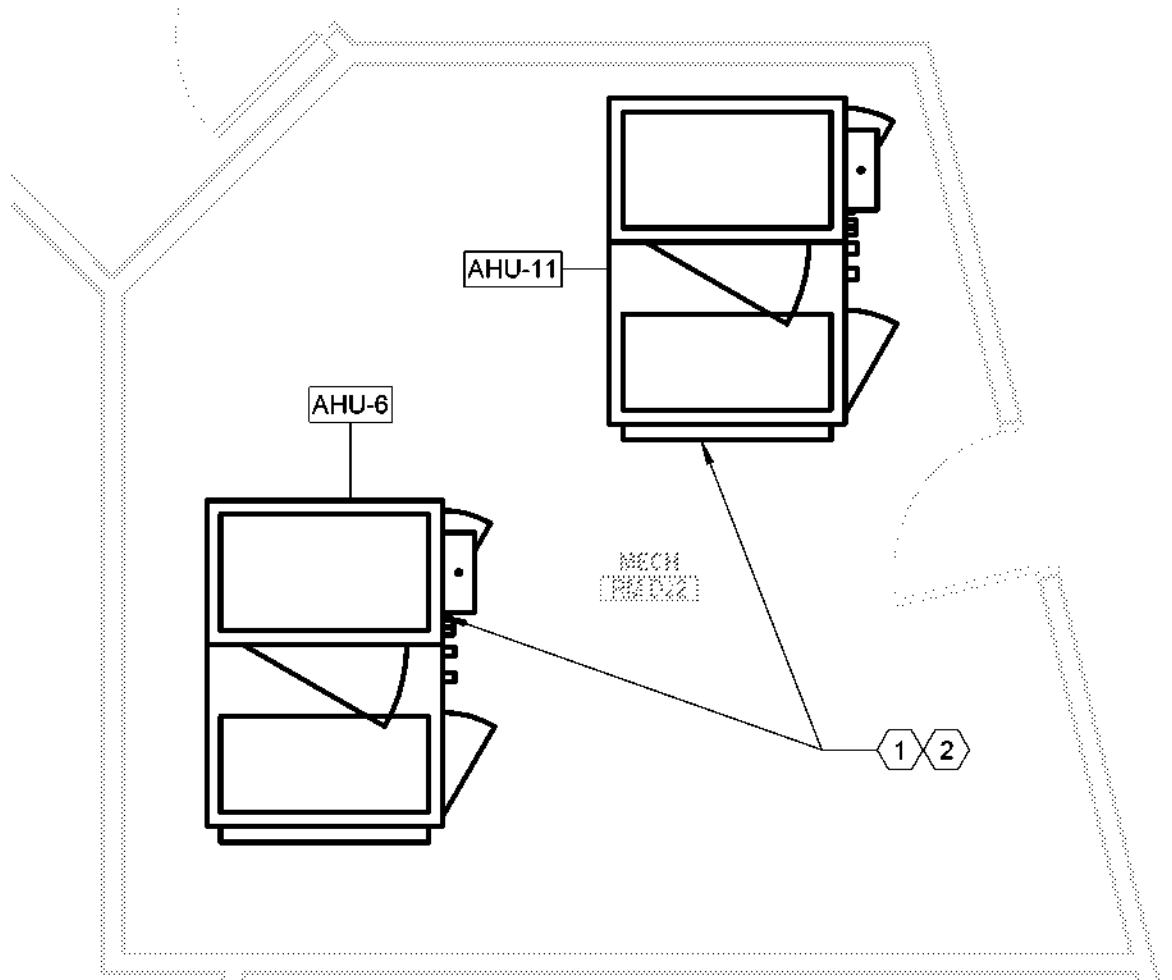
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SCALE: 1/4" = 1'-0"



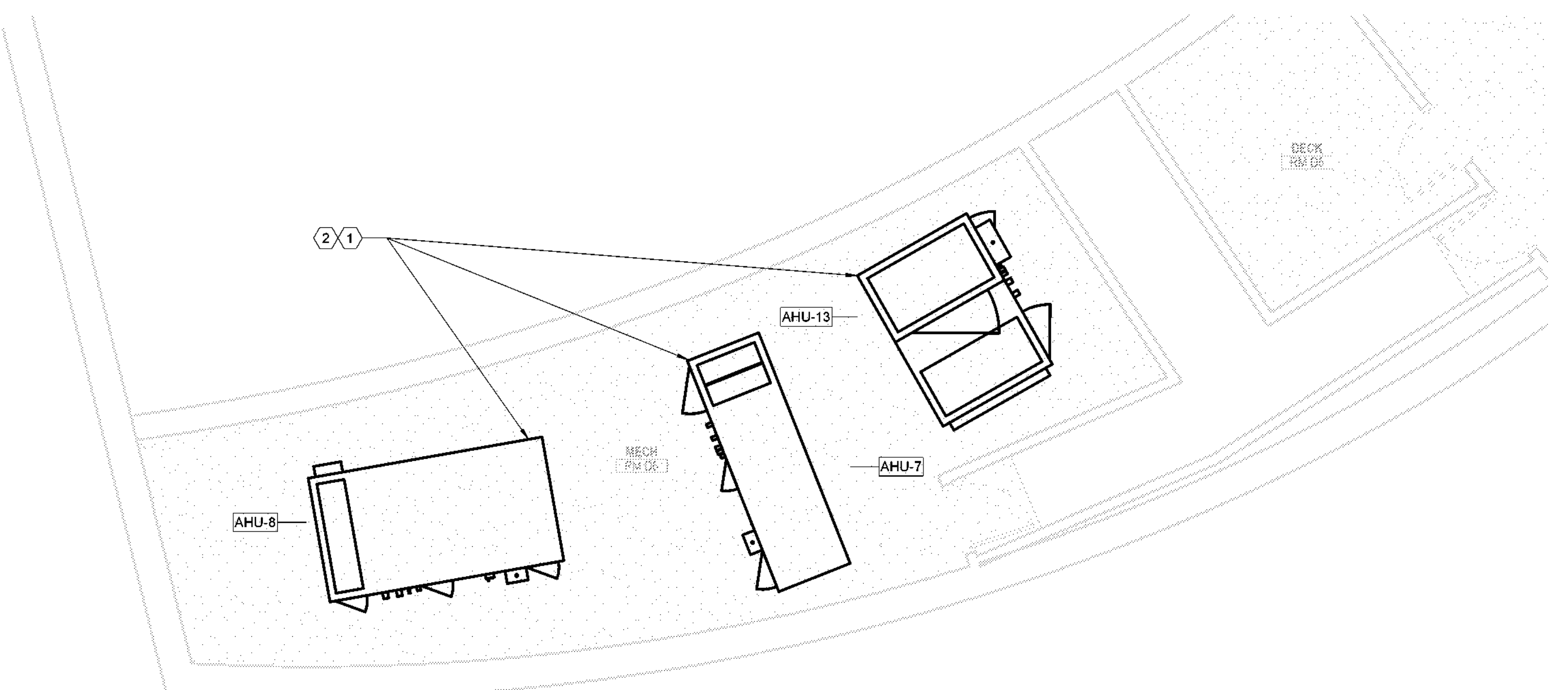
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SCALE: 1/4" = 1'-0"



3 ENLARGED MECHANICAL PLAN - LEVEL 02 - AREA A - MECH RM D7
SCALE: 1/4" = 1'-0"



4 ENLARGED MECHANICAL PLAN - LEVEL 01 - AREA A - MECH RM D22
SCALE: 1/4" = 1'-0"



5 ENLARGED MECHANICAL PLAN - LEVEL 02 - AREA A - MECH RM D6
SCALE: 1/4" = 1'-0"

NOTE: NEW AIR HANDLING UNITS TO BE DISASSEMBLED TO BE TAKEN THROUGH EXISTING 3FT DOORS AND REASSEMBLED IN THE MECHANICAL ROOM TO PROVIDE A COMPLETE WORKING UNIT.

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- PROVIDE AND INSTALL NEW AHU BASED ON THE EQUIPMENT SCHEDULE. CONTRACTOR SHALL ADAPT AND CONNECT THE EXISTING DUCTWORK, HYDRONIC LINES, ELECTRICAL AND DRAIN LINES. PROVIDE DRAIN LINE CONNECTIONS TO THE FOR THE NEW EQUIPMENT TO THE EXISTING DRAINLINES. INSPECT AND FLUSH THE EXISTING DRAINLINES PRIOR TO MAKING FINAL CONNECTIONS. ALL HOT/CILLED WATER VALVES, GALGES AND SENSORS TO BE REPLACED.
- PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK.

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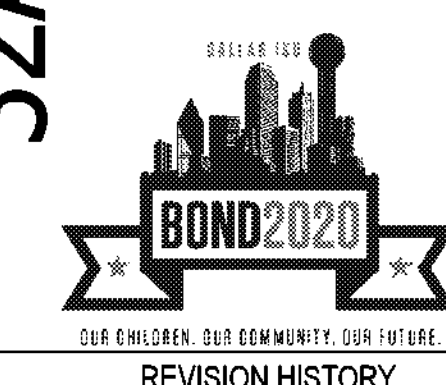
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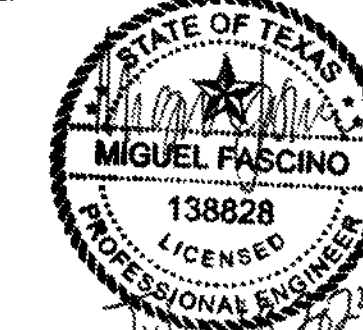
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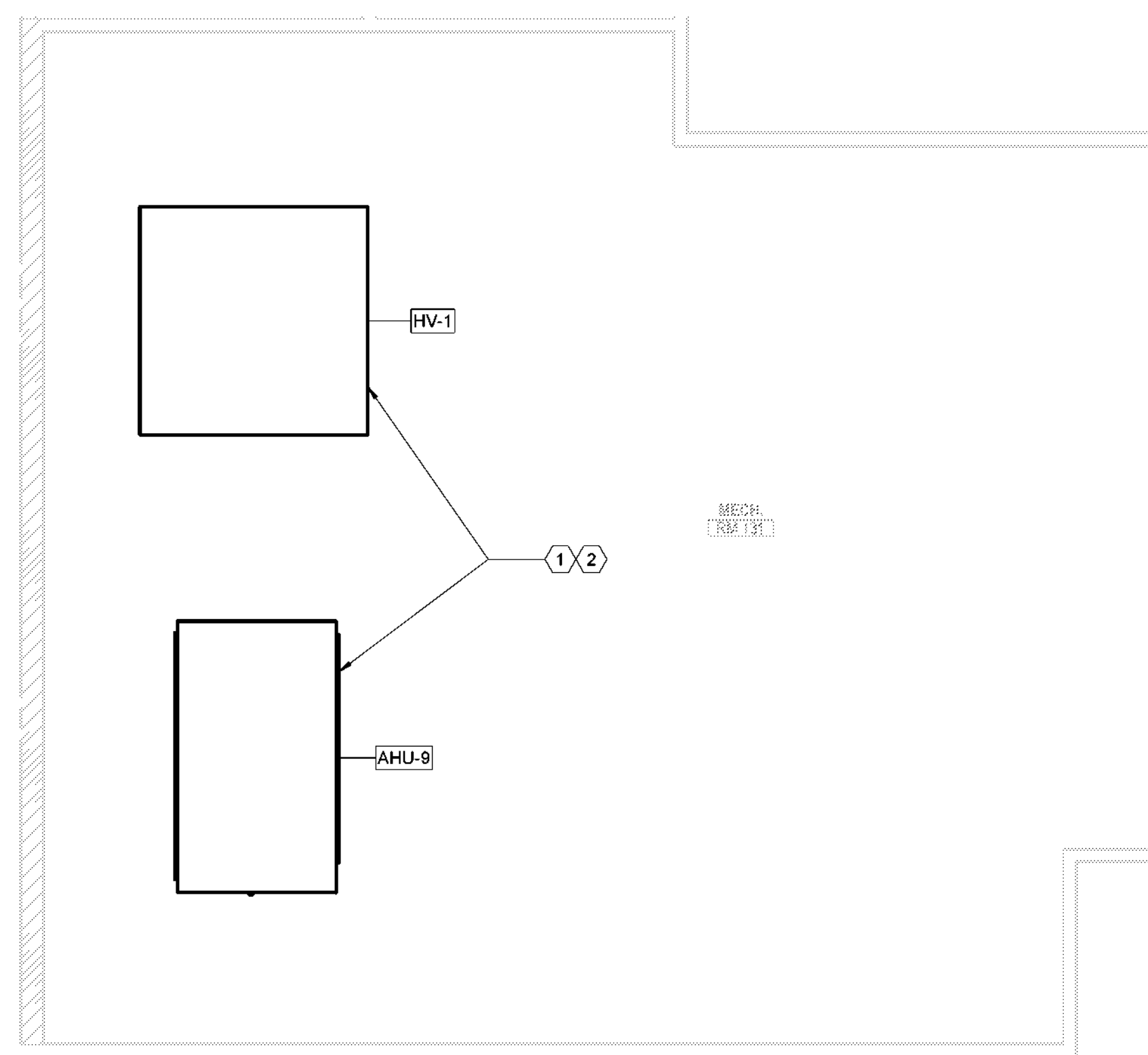
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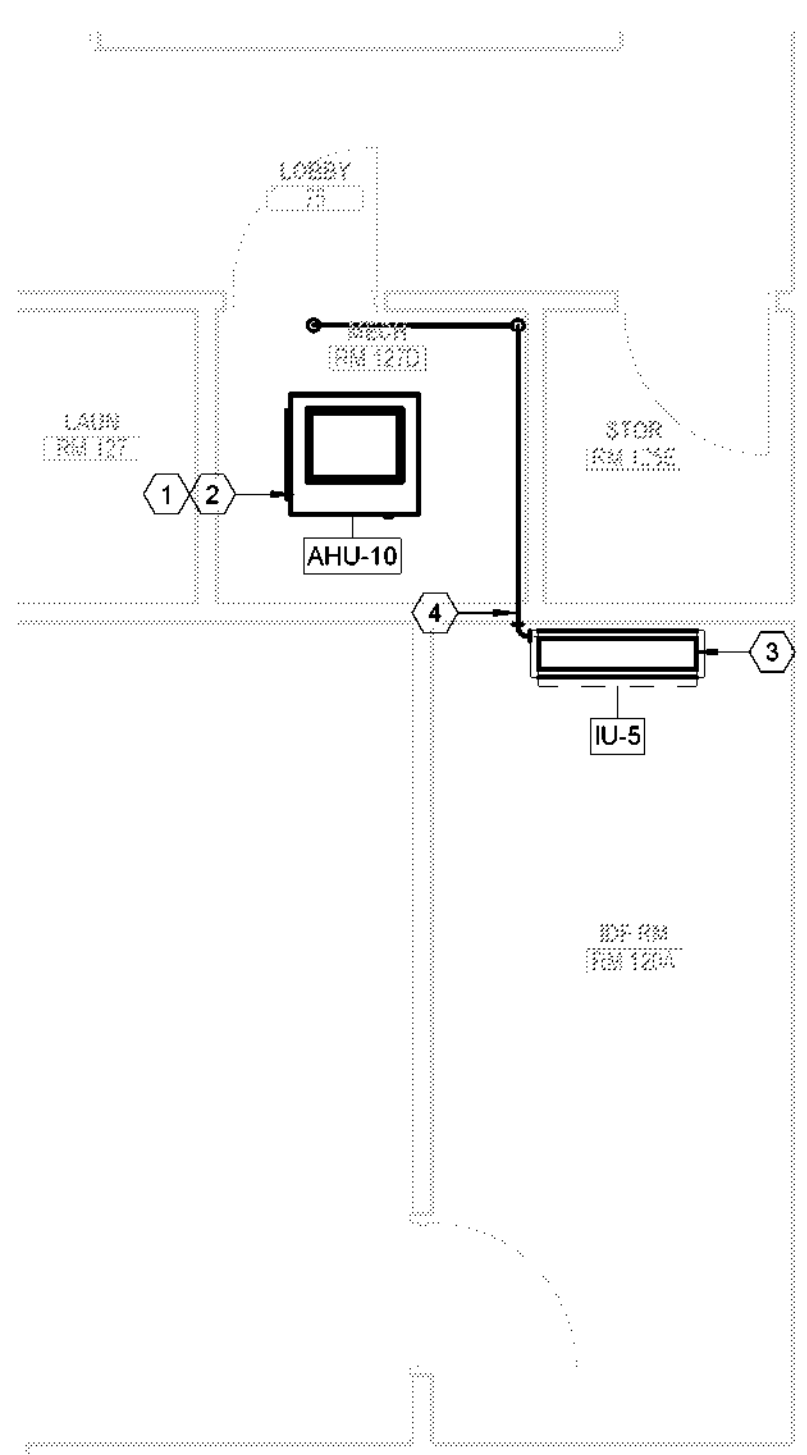
MECHANICAL- NEW EQUIPMENT

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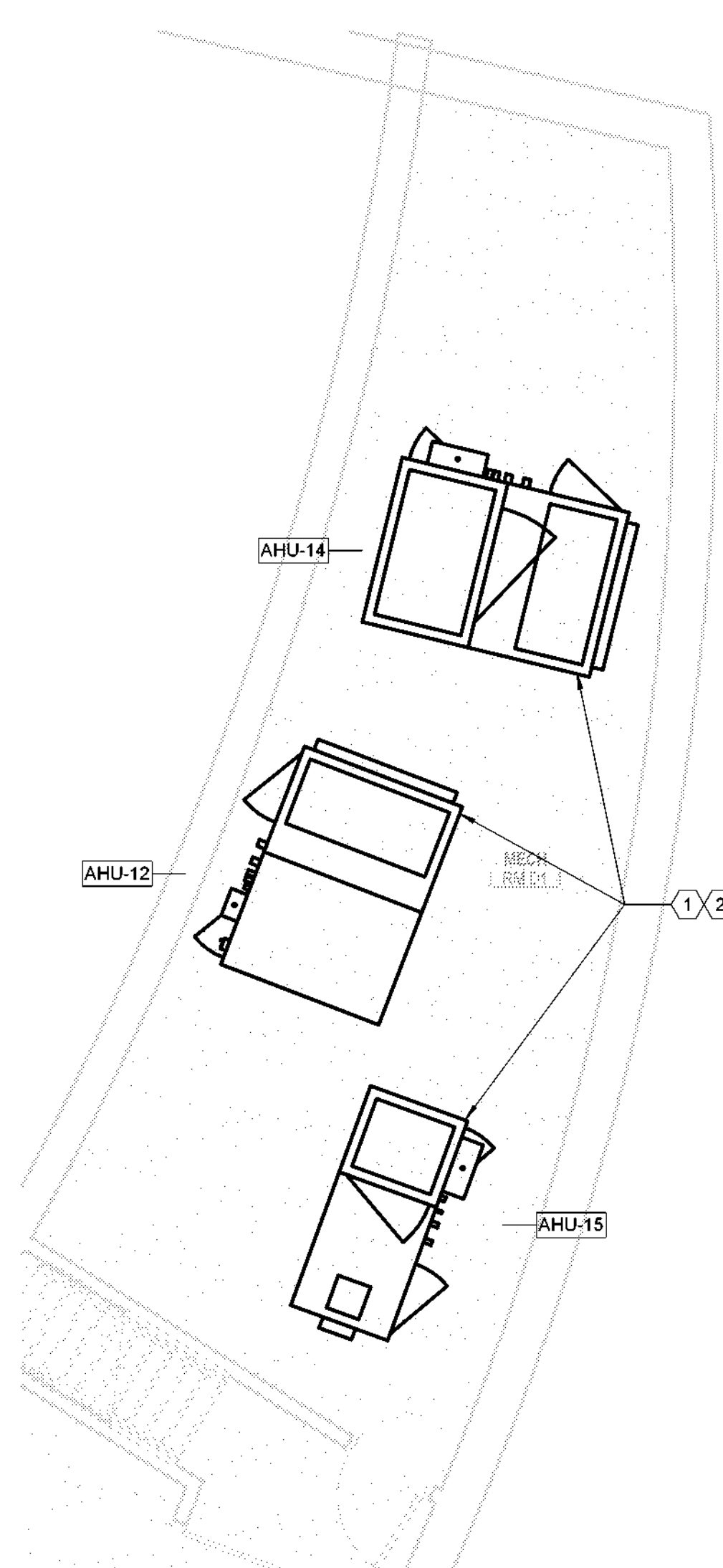
M-105
SHEET NUMBER



1 ENLARGED MECHANICAL PLAN - LEVEL 01 - AREA A - MECH RM 131
SCALE: 1/4" = 1'-0"



2 ENLARGED MECHANICAL PLAN - LEVEL 01 - AREA A - MECH RM 127D & IDF RM 120A
SCALE: 1/4" = 1'-0"



3 ENLARGED MECHANICAL PLAN - LEVEL 02 - AREA A - MECH RM D1
SCALE: 1/4" = 1'-0"

NOTE: NEW AIR HANDLING UNITS TO BE DISASSEMBLED TO BE TAKEN THROUGH EXISTING 3FT DOORS AND REASSEMBLED IN THE MECHANICAL ROOM TO PROVIDE A COMPLETE WORKING UNIT.

MECH. GENERAL NOTES

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- PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK.
- PROVIDE AND INSTALL NEW MINI SPLIT INDOOR UNIT AND CONNECT TO EXISTING DRAIN LINES, ELECTRICAL AND REFRIGERANT LINES WHEN REFRIGERANT LINES ARE REUSED. REUSED REFRIGERANT LINES SHALL BE LEAK TESTED AND FLUSHED. REFER TO PICTURE FOR EXISTING DRAIN LINES REFERENCE.
- ROUTE NEW FULL SIZED CONDENSATE LINE AT A SLOPE OF 1/4 INCH PER FOOT. ROUTE TO EXISTING FLOOR DRAIN IN MECHANICAL ROOM AND TERMINATE WITH A MINIMUM 1 INCH AIR GAP.

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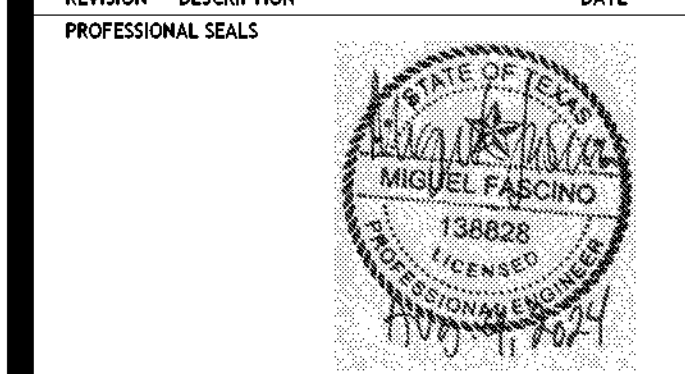
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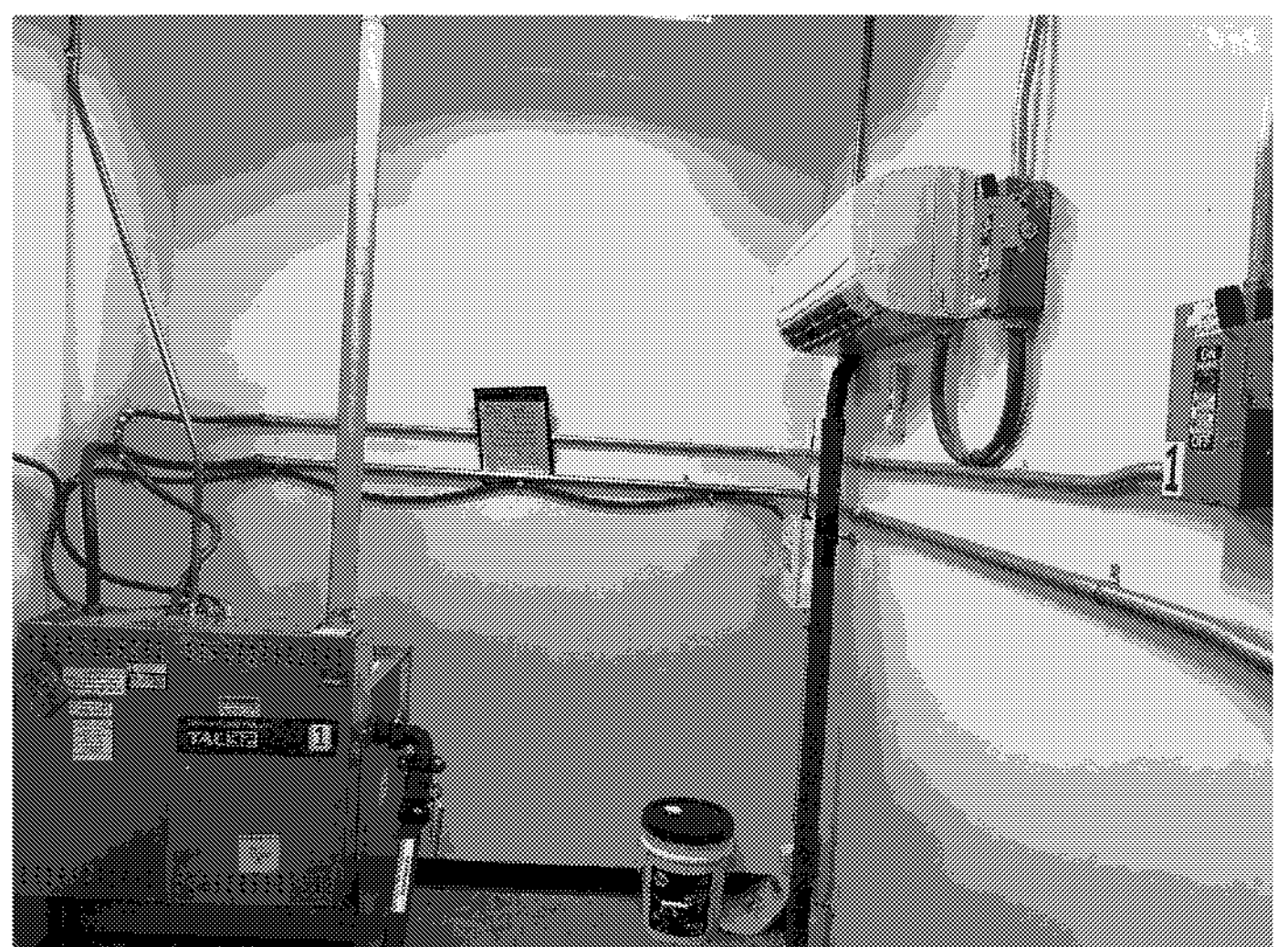
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MECHANICAL - NEW EQUIPMENT

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ORIGINAL ISSUE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

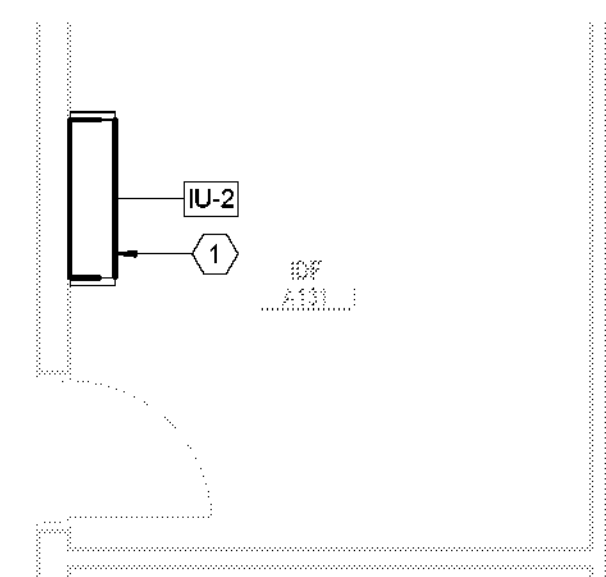


M-106
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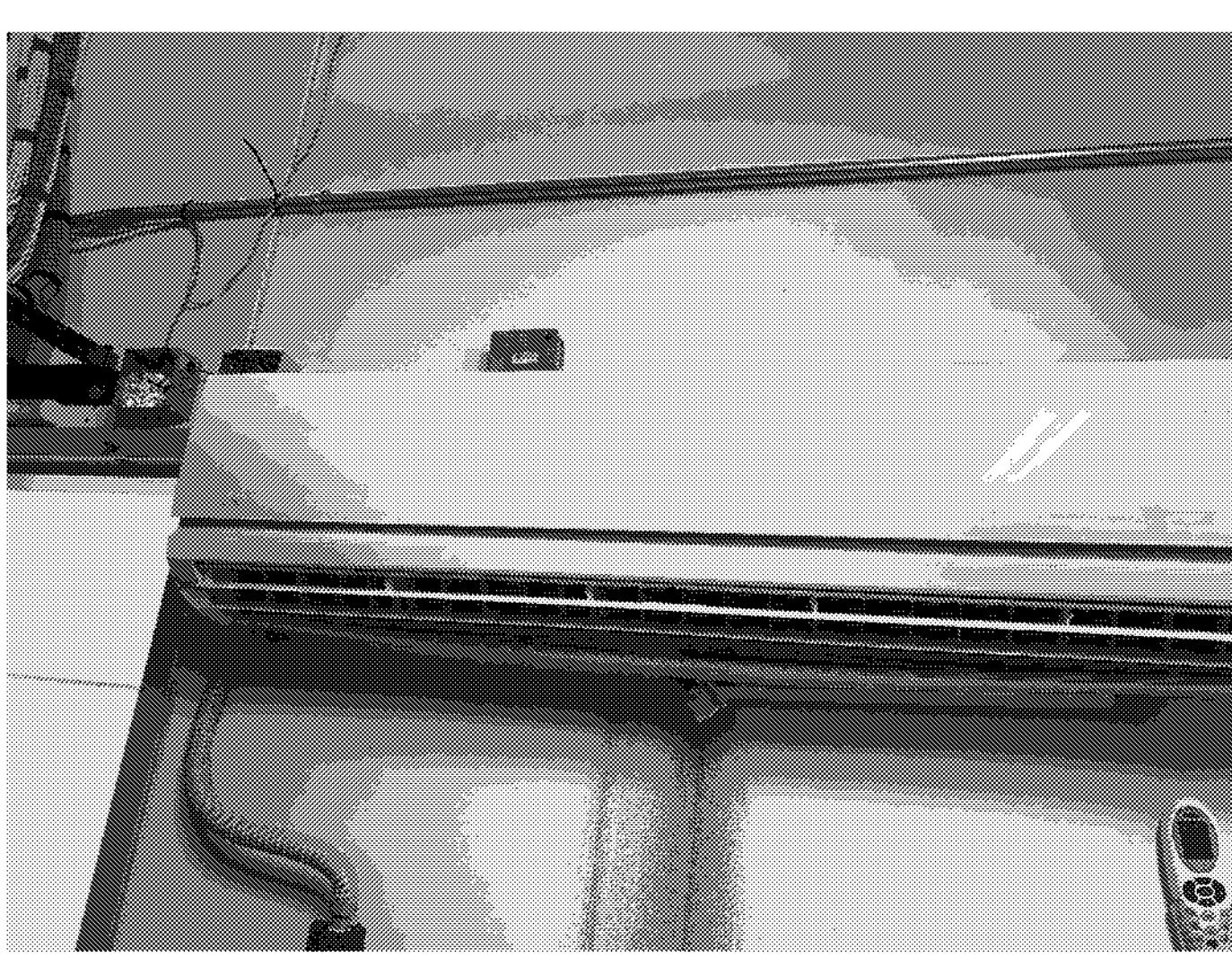
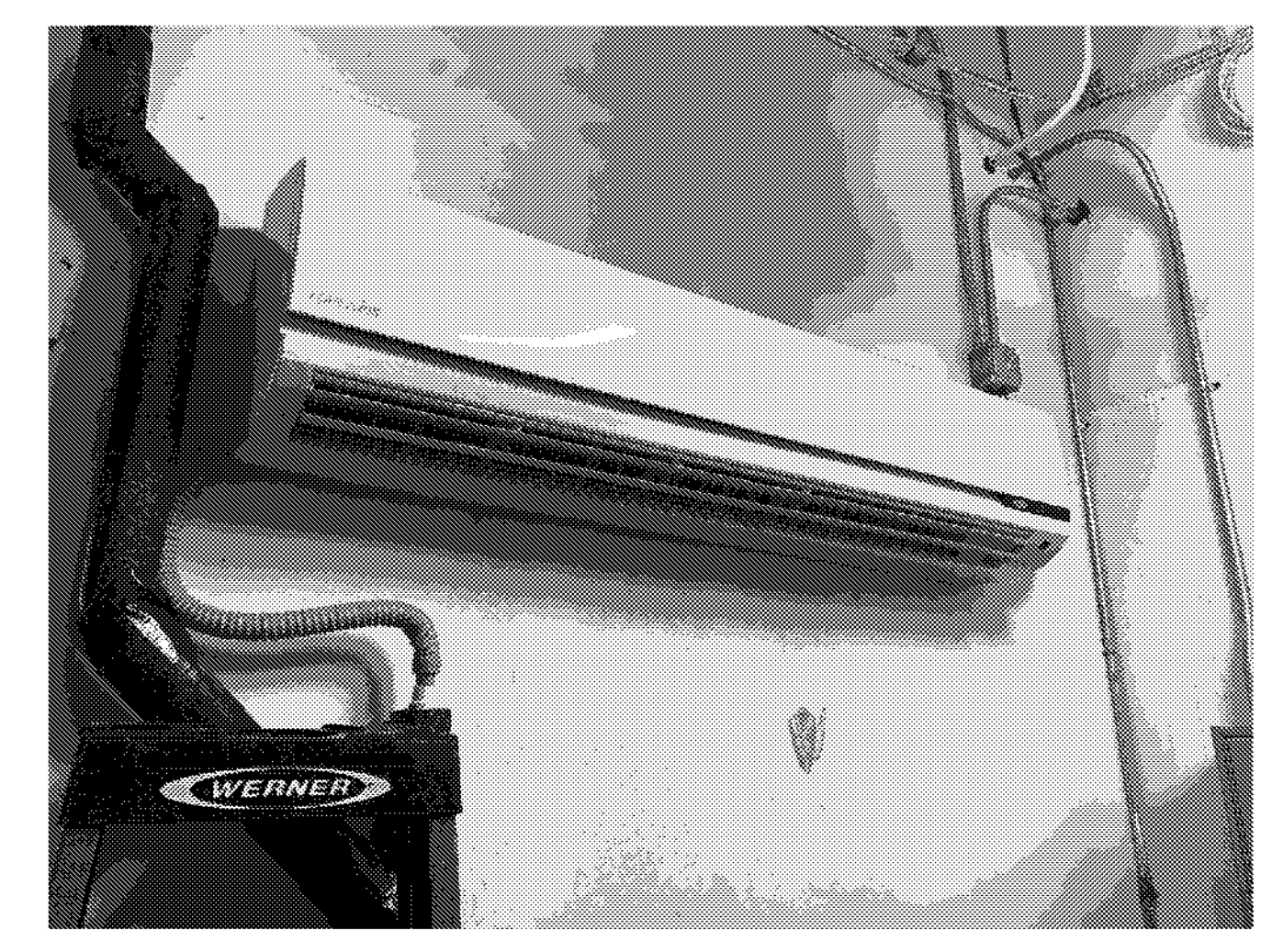
IU-1

1 ENLARGED MECHANICAL PLAN - LEVEL 01 - AREA A - MACHINE RM A130
 SCALE: 1/4" = 1'-0"



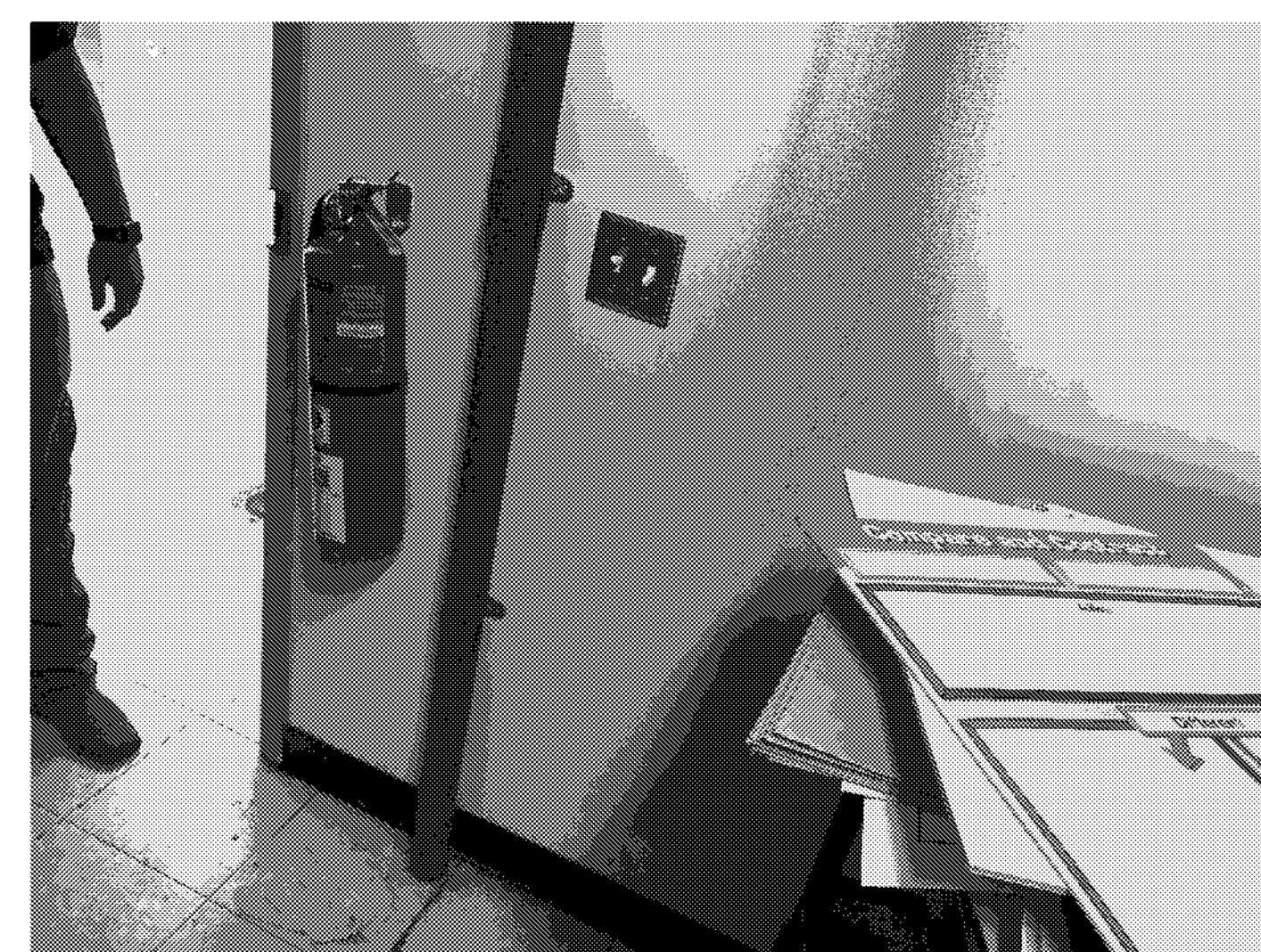
IU-2

2 ENLARGED MECHANICAL PLAN - LEVEL 01 - AREA A - IDF A131
 SCALE: 1/4" = 1'-0"

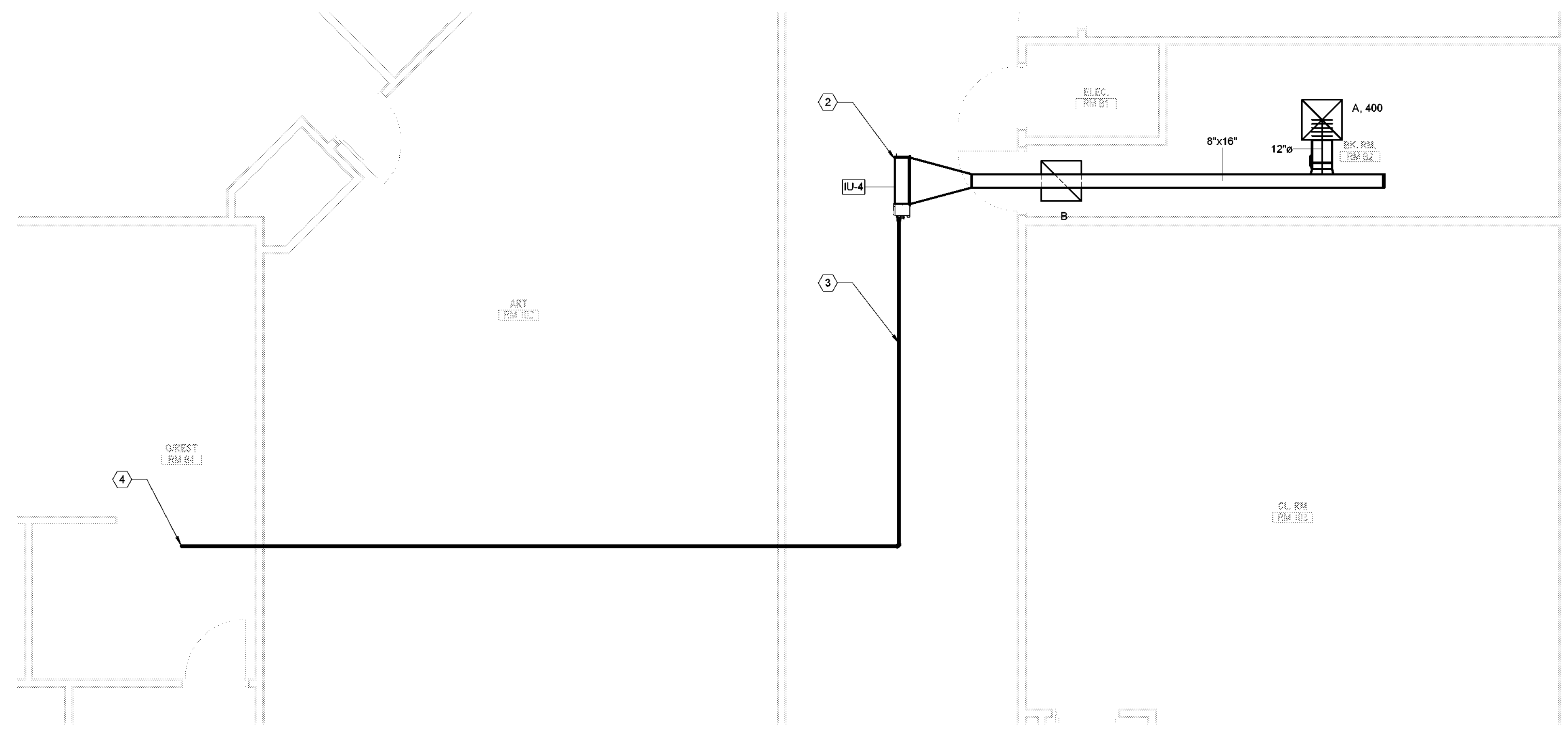
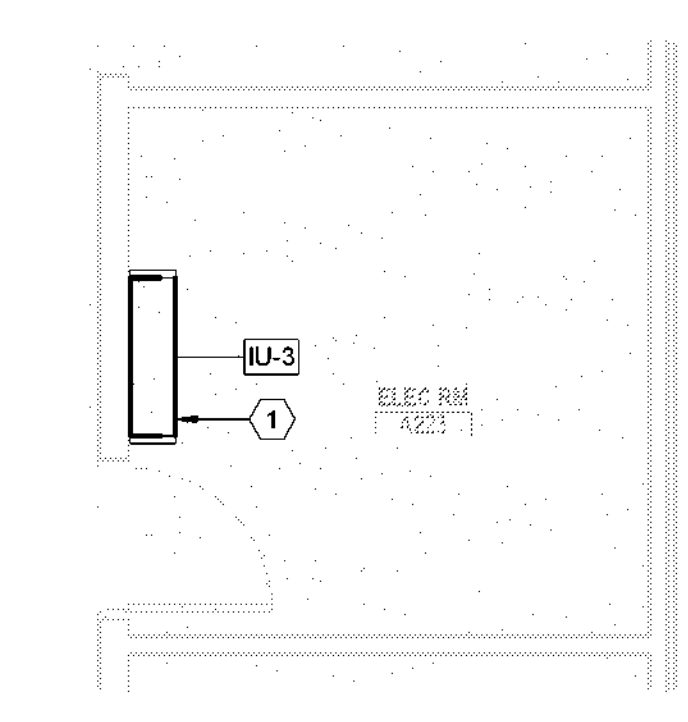


IU-3

3 ENLARGED MECHANICAL PLAN - LEVEL 02 - AREA A - ELEC RM A223
 SCALE: 1/4" = 1'-0"



IU-3



4 ENLARGED MECHANICAL PLAN - LEVEL 01 - AREA A - RM B2
 SCALE: 1/4" = 1'-0"

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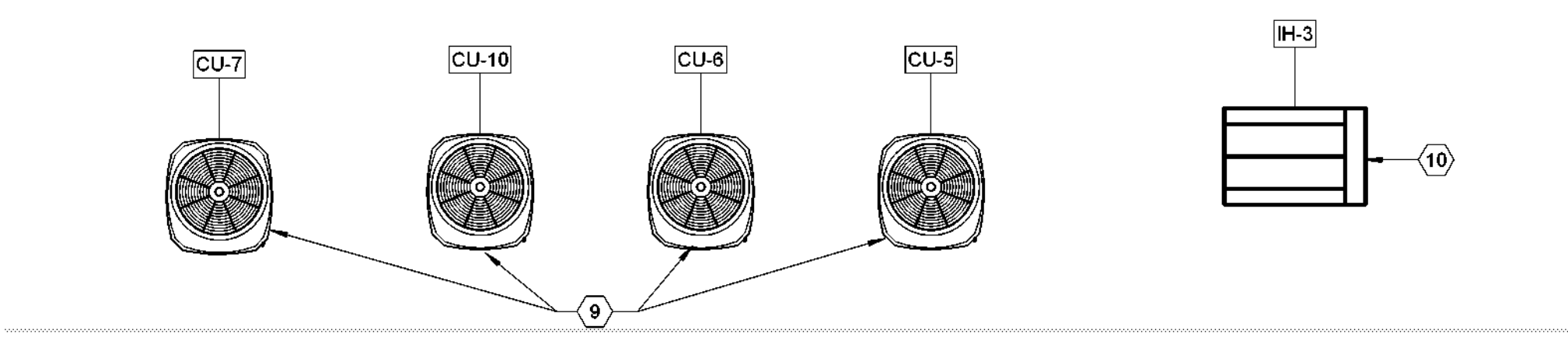
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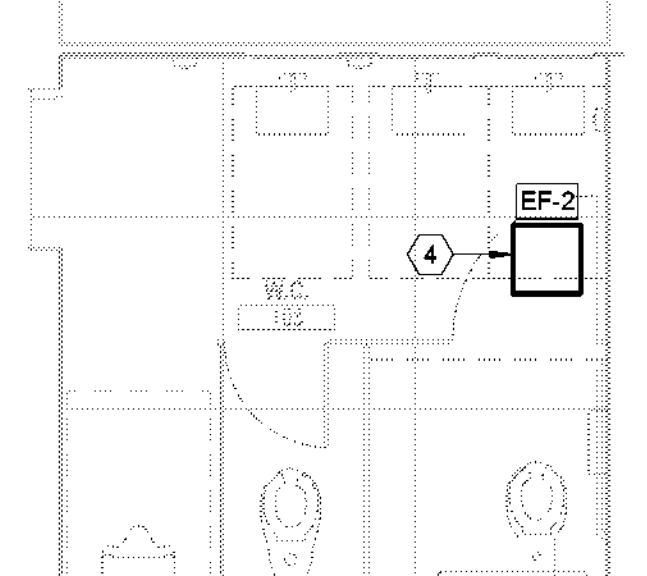
PROFESSIONAL SEALS

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 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
 ORIGINAL ISSUE: DATE: 12 JULY 2024
 100% ISSUE FOR CONSTRUCTION

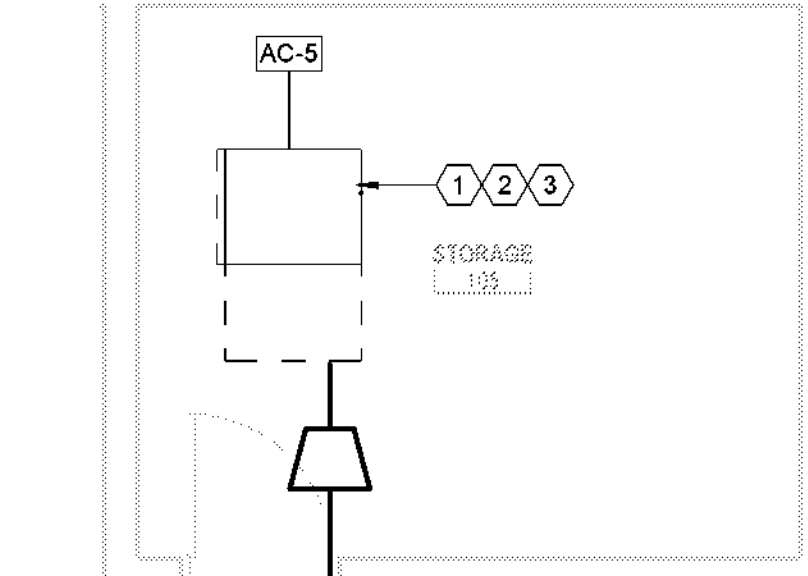
M-107
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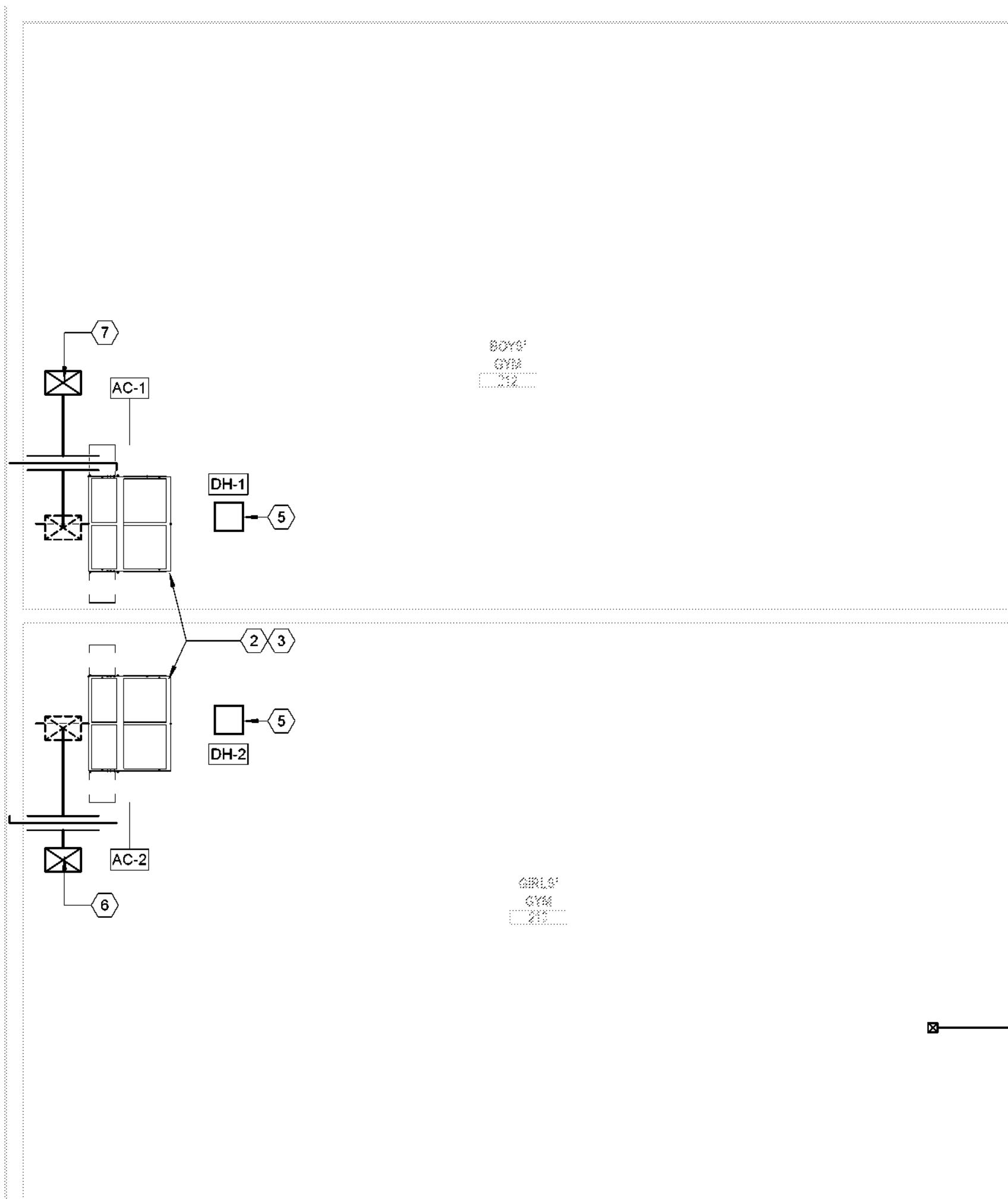
5 ENLARGED MECHANICAL PLAN - YMCA ROOF - WEST
 SCALE: 1/4" = 1'-0"



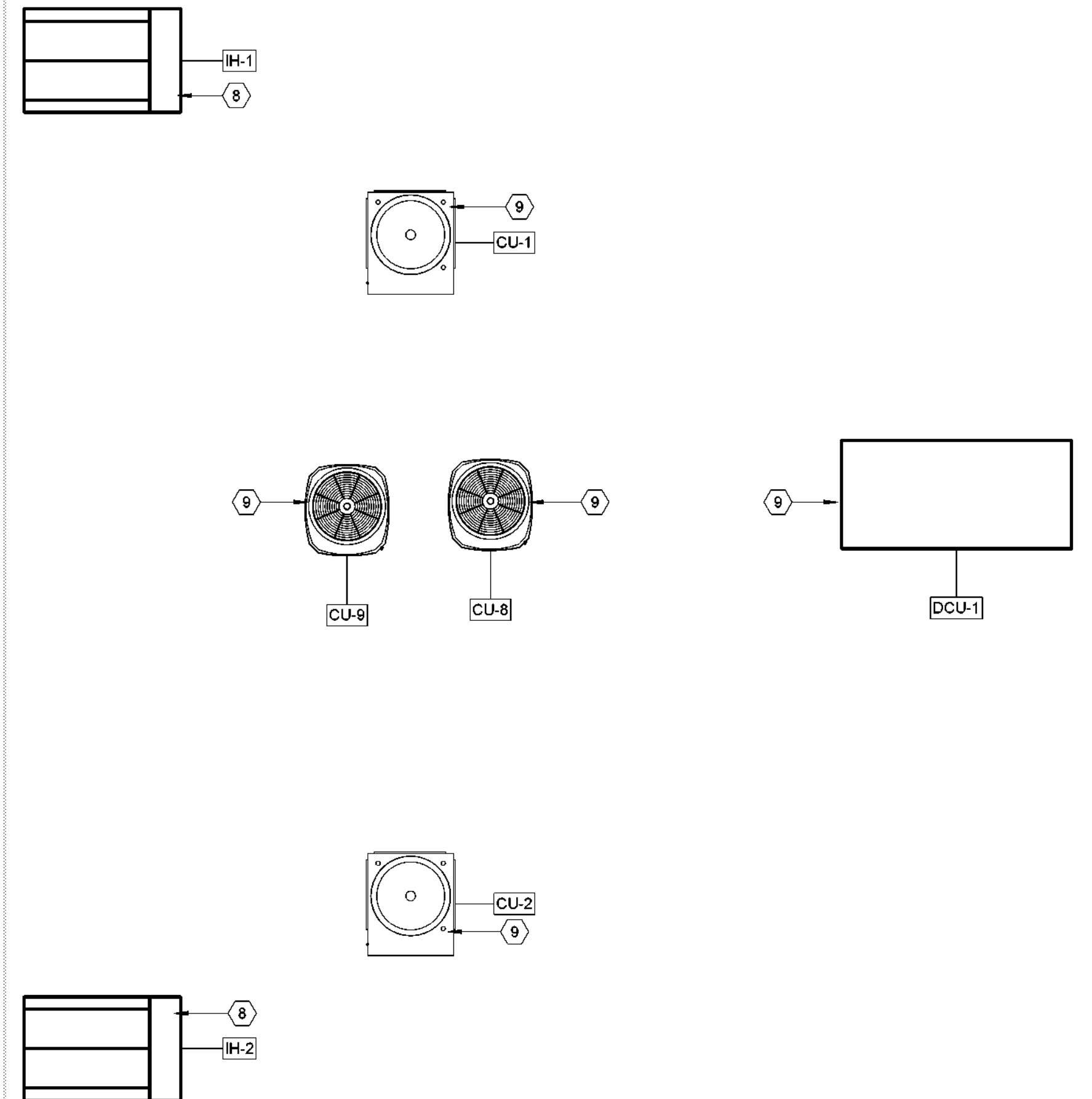
2 ENLARGED MECHANICAL YMCA PLAN - LEVEL 01 - AREA C - W.C. 103
 SCALE: 1/4" = 1'-0"



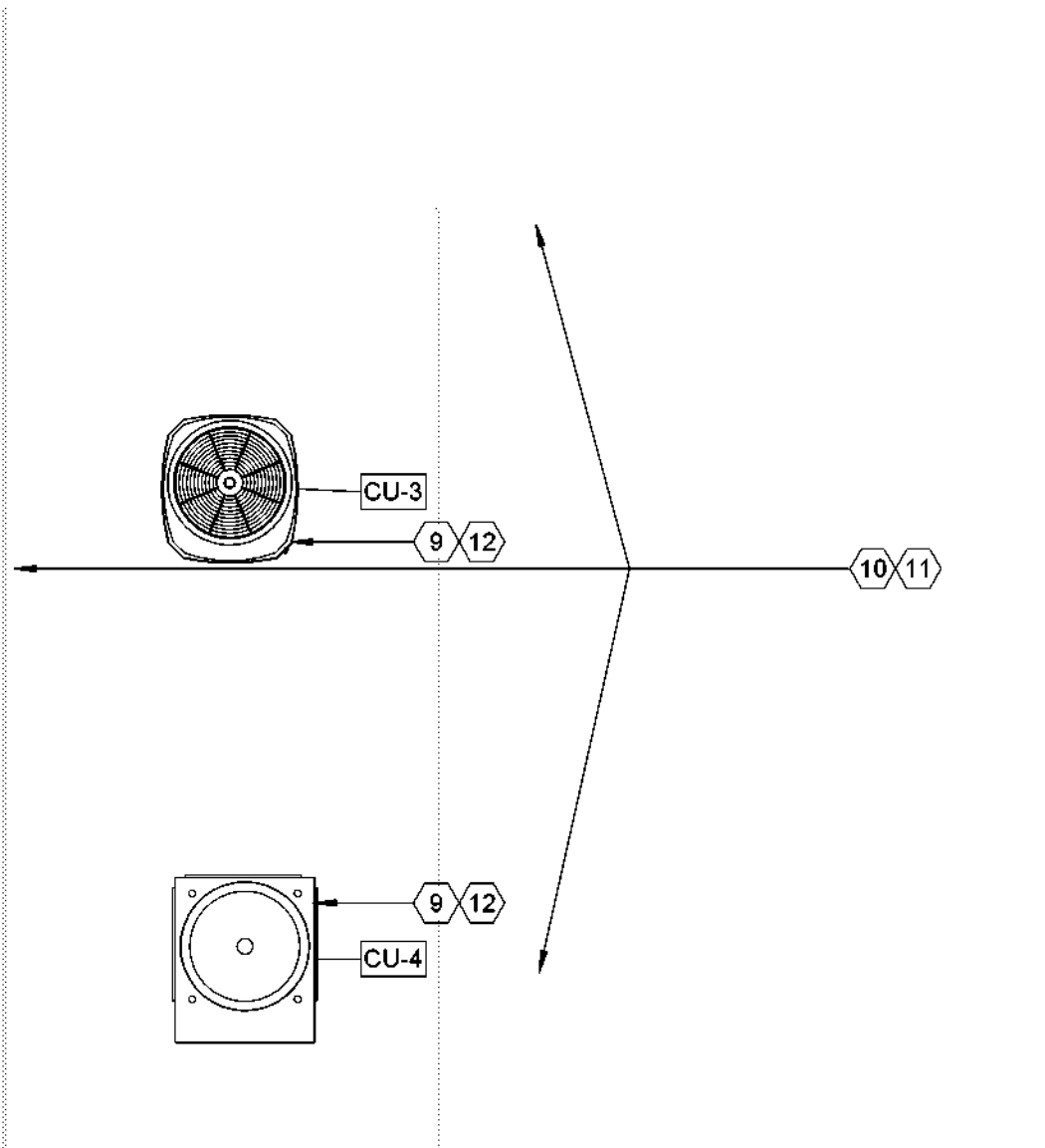
1 ENLARGED MECHANICAL YMCA PLAN - LEVEL 01 - AREA C - STORAGE 105
 SCALE: 1/4" = 1'-0"



3 ENLARGED MECHANICAL PLAN - BOYS' GYM 212 & GIRLS' GYM 213
 SCALE: 1/8" = 1'-0"



6 ENLARGED MECHANICAL PLAN - YMCA ROOF - SOUTH
 SCALE: 1/4" = 1'-0"



4 ENLARGED MECHANICAL PLAN - YMCA ROOF - NORTH
 SCALE: 1/4" = 1'-0"

MECH. GENERAL NOTES

- REFER TO M-000 FOR ALL GENERAL NOTES.
- REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- REPLACE HORIZONTAL GAS FURNACE AND COIL. INCLUDE NEW VENT PIPE OUT THROUGH THE ROOF USING THE EXISTING ROOF JACK. PROVIDE OR ADAPT THE GAS CONNECTION WITH SEDIMENT TRAP, SHUT-OFF VALVE AND HARD PIPE INTO THE GAS FURNACE.
- TAP EXISTING SUPPLY AIR DUCT INTO AC UNIT. PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK. TYP. ON ALL NEW AC UNITS.
- PROVIDE DRAIN LINE CONNECTIONS FOR THE NEW EQUIPMENT TO THE EXISTING DRAINLINES. INSPECT AND FLUSH THE EXISTING DRAINLINES PRIOR TO MAKING FINAL CONNECTIONS.
- TAP EXISTING EXHAUST DUCT INTO NEW EXHAUST FAN. PROVIDE DUCT FITTINGS AND TRANSITIONS TO CONNECT THE NEW EQUIPMENT TO THE EXISTING DUCTWORK.
- INSTALL INLINE DUCT HEATER WITH SPLIT PLENUM AND BYPASS.
- OA DUCT DOWN FROM INTAKE HOOD IH-2 ON ROOF. ROUTE OA DUCT TO AC-2 RETURN.
- OA DUCT DOWN FROM INTAKE HOOD IH-1 ON ROOF. ROUTE OA DUCT TO AC-1 RETURN.
- ALL INTAKE HOODS MUST BE INSTALLED A MINIMUM OF 12 FEET FROM BUILDING EXHAUSTS OR HAZARDOUS VENTS.
- INSTALL NEW CONDENSING UNIT AND VERIFY THAT NEW UNIT IS PROPERLY SUPPORTED. PROVIDE EQUIPMENT PAD OR RISERS AS NOTED ON THE EQUIPMENT SCHEDULE. EXISTING ELECTRICAL SERVICE AND CONTROL WIRING SHALL BE ADAPTED AND RECONNECTED TO THE NEW EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ACCESS LADDER.
- REFER TO ARCHITECTURAL DRAWINGS FOR GAURD RAILS.
- ROUTE NEW GAS AND / OR REFRIGERANT PIPING THROUGH DECK TO ASSOCIATED INDOOR UNIT. SEE PIPE PENETRATION DETAIL 8/M-502.

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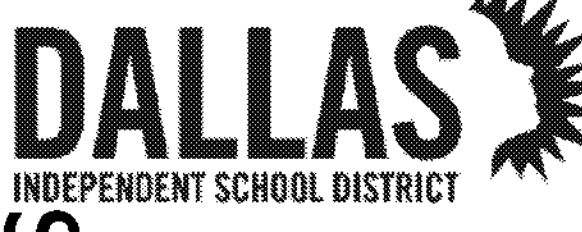
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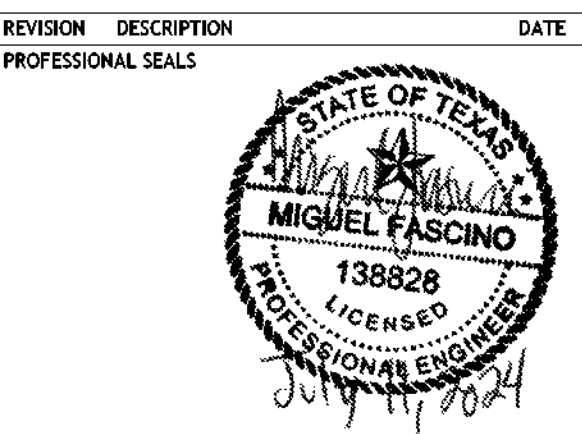
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REVISION	DESCRIPTION	DATE



MECHANICAL- NEW EQUIPMENT

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PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL CODE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

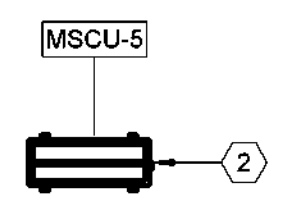
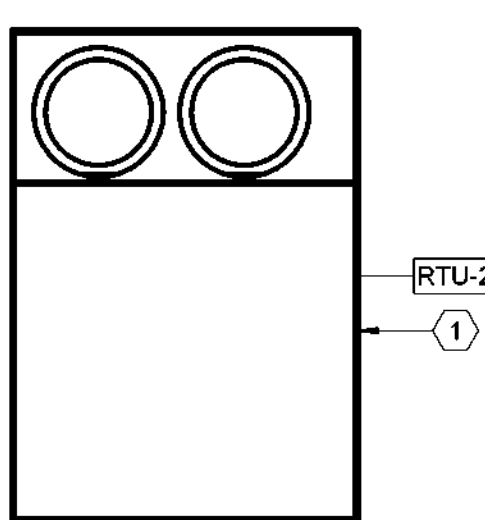
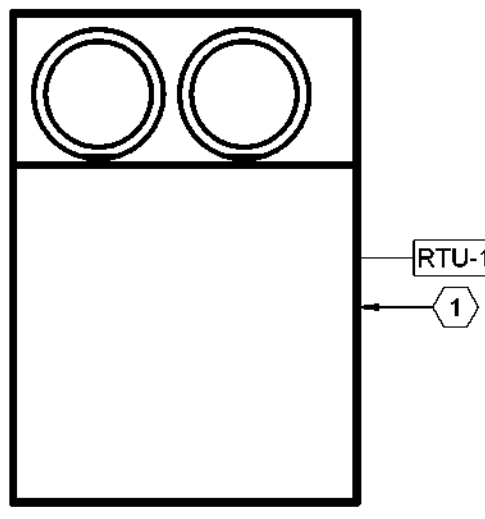
M-108
SHEET NUMBER

MECH. GENERAL NOTES

- 1. REFER TO M-000 FOR ALL GENERAL NOTES.
- 2. REFER TO M-000 FOR ADDITIONAL EQUIPMENT REPLACEMENT NOTES.

MECH. KEYED NOTES

- 1. SIDE DISCHARGE ROOFTOP UNIT. PROVIDE OR ADAPT THE GAS CONNECTION WITH SEDIMENT TRAP, SHUT-OFF VALVE AND HARD PIPE INTO GAS FURNACE.
- 2. NEW MINI SPLIT CONDENSING UNIT. INSTALL NEW CONDENSING UNIT AND VERIFY THAT NEW UNIT IS PROPERLY SUPPORTED. PROVIDE EQUIPMENT PAD OR RISERS AS NOTED ON THE EQUIPMENT SCHEDULE. EXISTING ELECTRICAL SERVICE AND CONTROL WIRING SHALL BE ADAPTED AND RECONNECTED TO THE NEW EQUIPMENT. CONTRACTOR SHALL REFER TO THE NEW EQUIPMENT SPECIFICATIONS FOR REFERENCE.



1 MECHANICAL PLAN - MAIN BUILDING ROOF

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

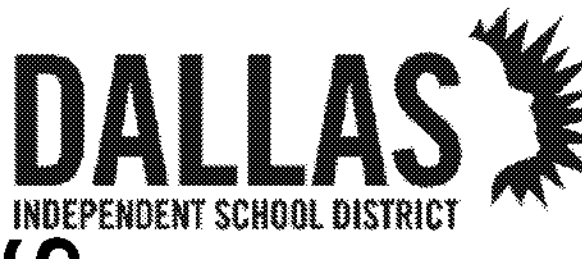
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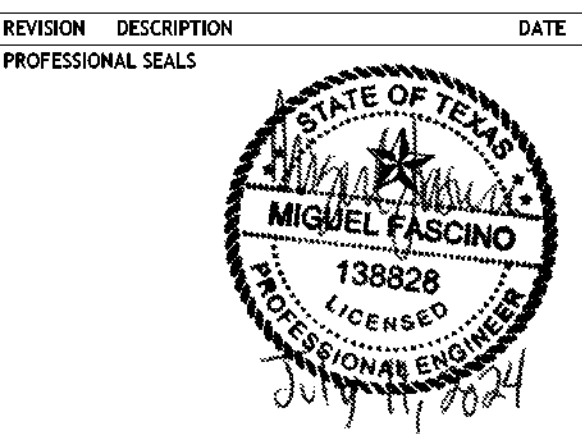
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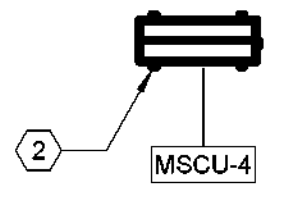
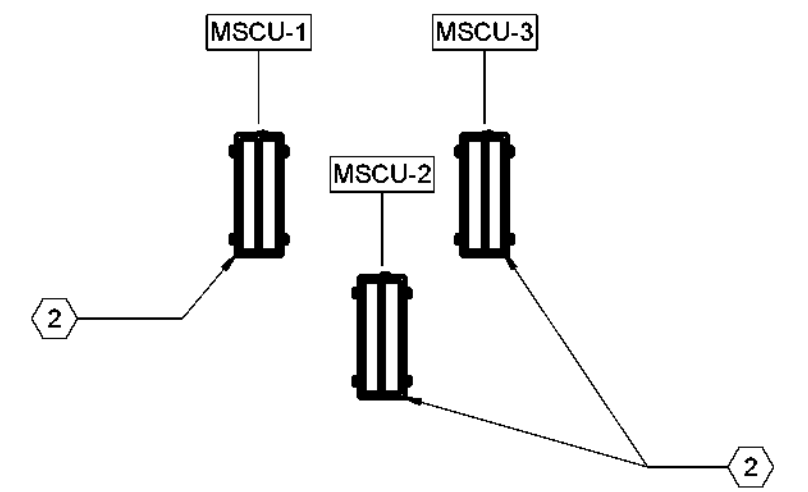
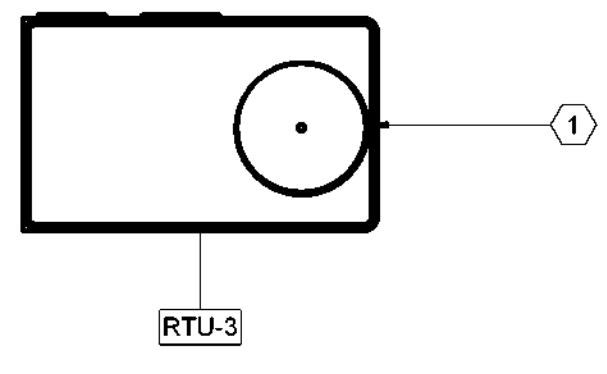
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M-109
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1 MECHANICAL PLAN - ROOF - WEST
 SCALE: 1/4" = 1'-0"

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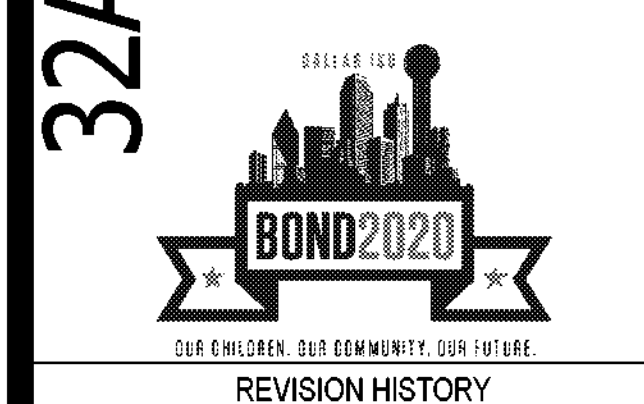
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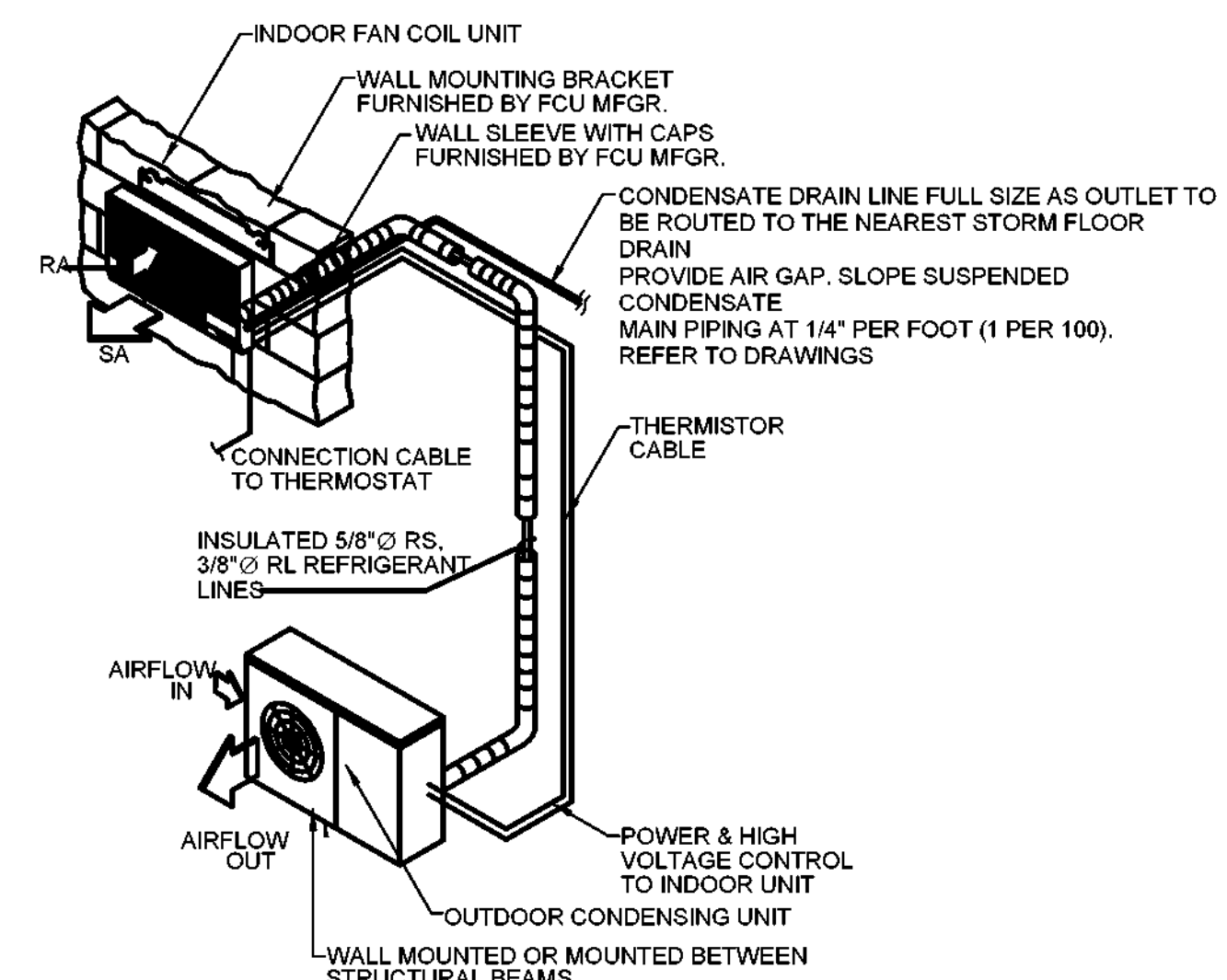
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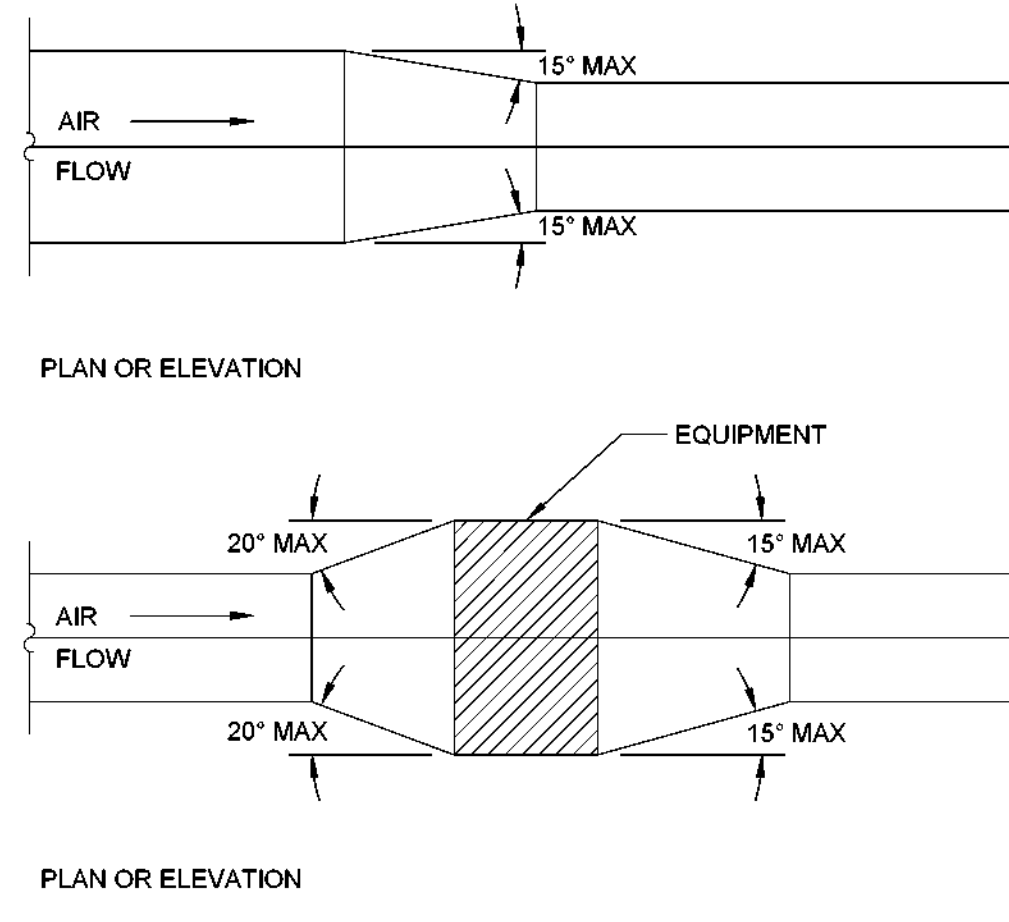
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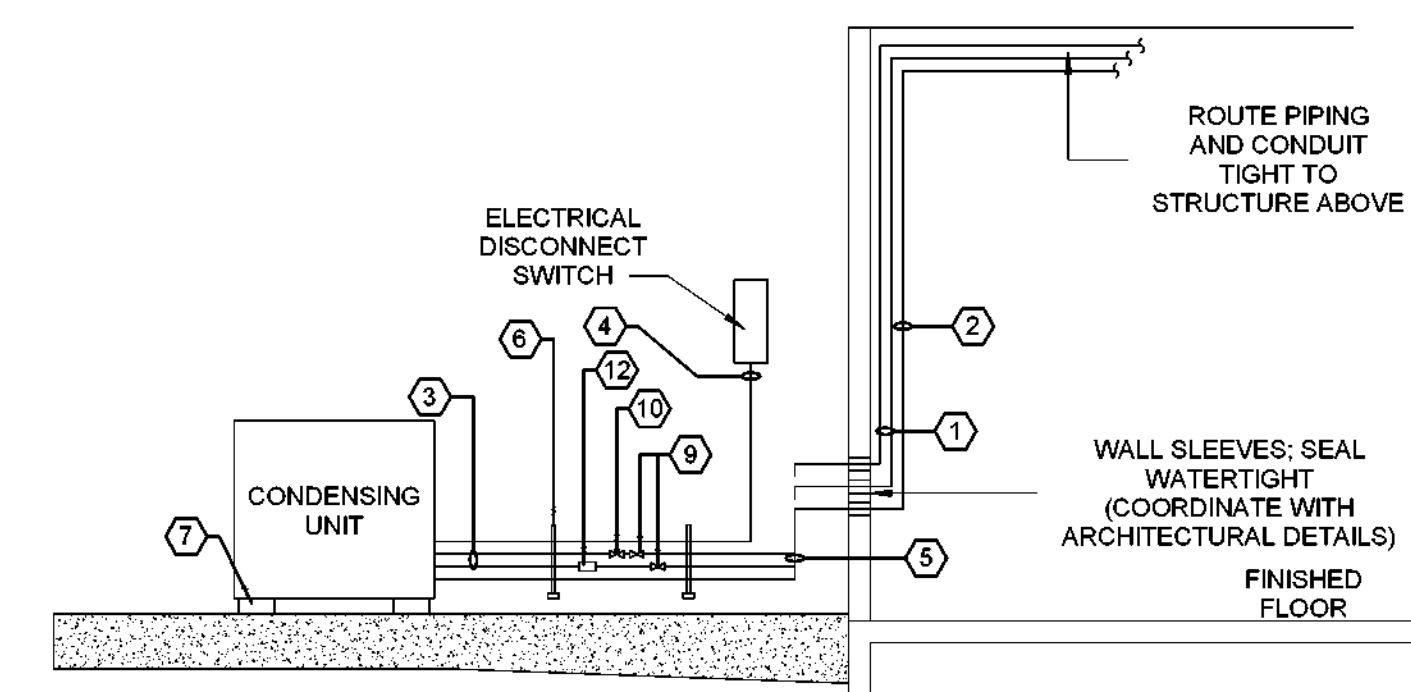
M-501
SHEET NUMBER



1 DUCTLESS MINI-SPLIT DETAIL
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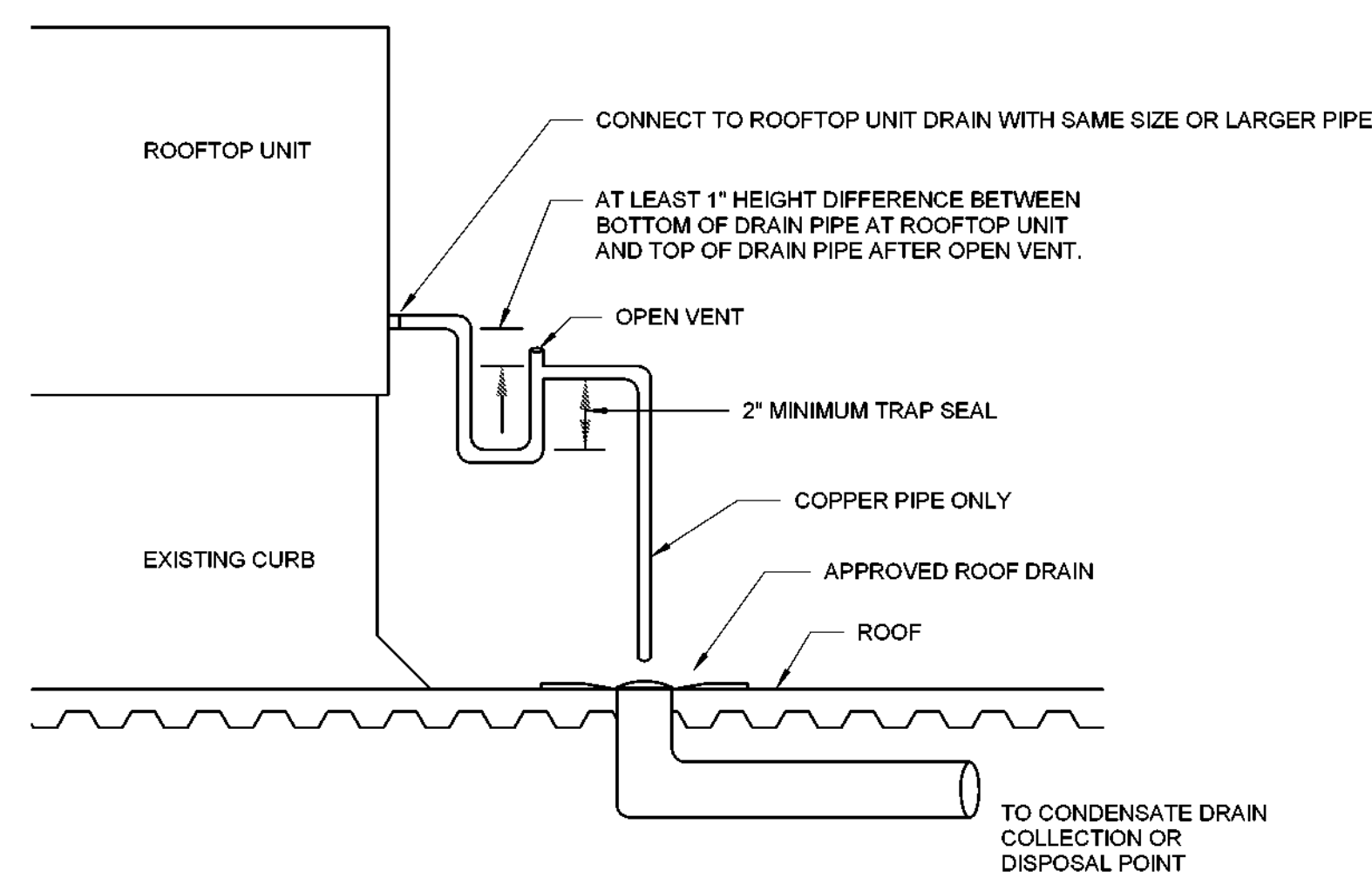


2 DUCT TRANSITION DETAIL
SCALE: NOT TO SCALE

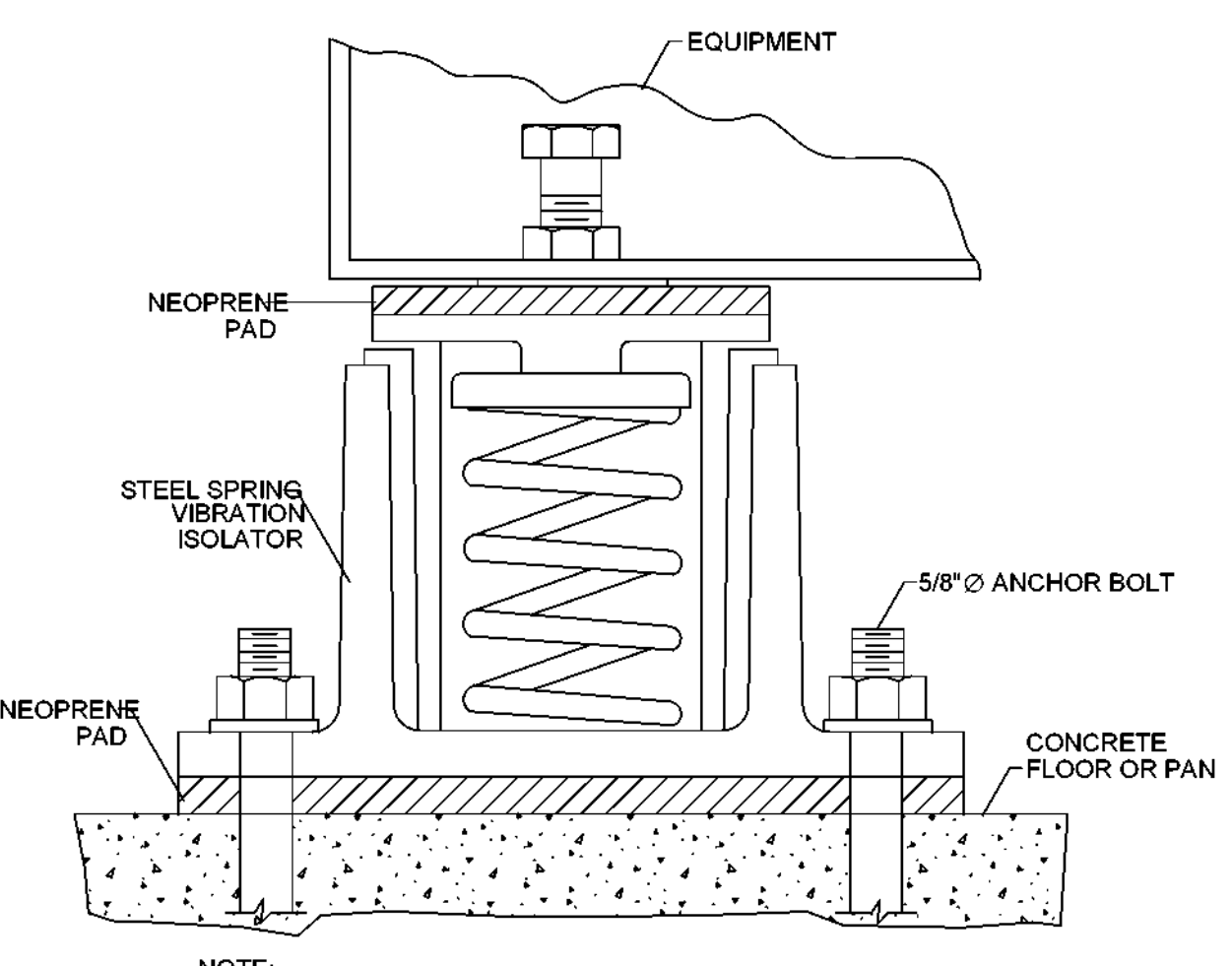


3 SIDE VIEW CONDENSING UNIT DETAIL
SCALE: NOT TO SCALE

- 1 REFRIGERANT PIPING ROUTED TO UNITS SUSPENDED FROM STRUCTURE.
- 2 CONTROL CONDUIT ROUTED TO INDOOR UNIT.
- 3 REFRIGERANT PIPING TYPE 'L' HARD DRAWN COPPER; SECURE PIPE ADJACENT TO BUILDING WITH UNISTRUT FRAMING. PAINT INSULATION JACKET, PIPING CONDUIT, AND PIPE SUPPORTS TO MATCH BUILDING COLOR.
- 4 POWER CONDUIT RIGID STEEL, ROUTED ON METAL FRAMING, WITH LIQUID TIGHT FLEX CONDUIT AT OUTDOOR UNIT (MAX. 24").
- 5 CONTROLS CONDUIT OUTSIDE. RIGID STEEL, ROUTED ON METAL FRAMING, WITH LIQUID TIGHT FLEX CONDUIT AT OUTDOOR UNIT (MAX. 24").
- 6 METAL FRAMING TO BE B-LINE B22TH CHANNEL, PS-1400 CUSHIONED CLAMPS, B234R FOUR HOLE CORNER GUSSET WITH FRAMING CHANNEL ATTACHED TO CONCRETE BLOCK (OR APPROVED EQUAL). ALL CHANNELS AND ACCESSORIES TO BE HOT DIPPED GALVANIZED STEEL OR ALLOY 6063-T6 ALUMINUM.
- 7 REFER TO STRUCTURAL PLANS FOR SLAB REQUIREMENTS. FURNISH AND INSTALL VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT.
- 8 PROVIDE SOLENOID VALVE ON LIQUID LINE.
- 9 PROVIDE SERVICE VALVE ON SUCTION AND LIQUID LINE.
- 10 PROVIDE ACCUMULATOR ON SUCTION LINE.

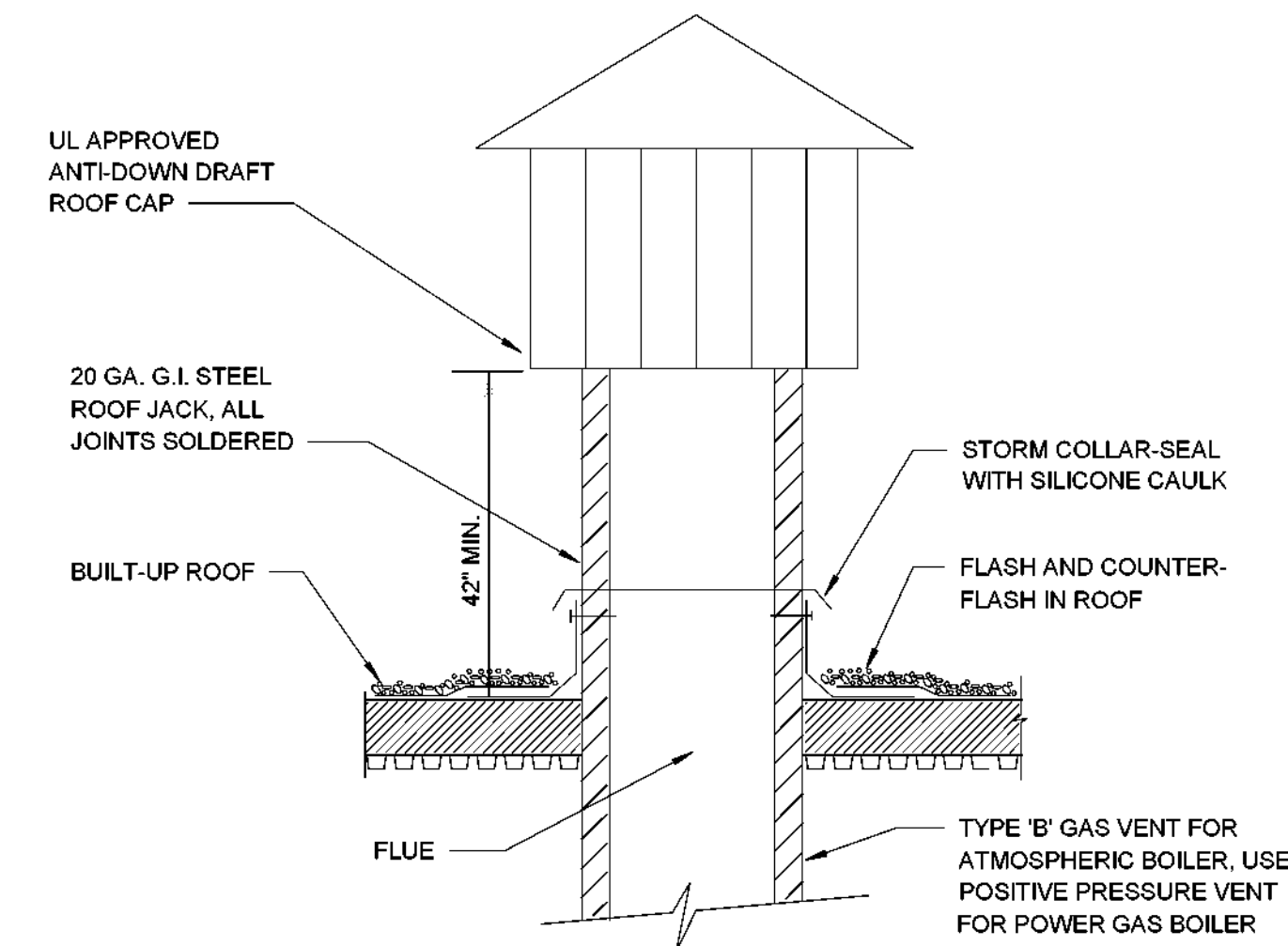


4 CONDENSATE DRAIN PIPING AT ROOFTOP UNIT DETAIL
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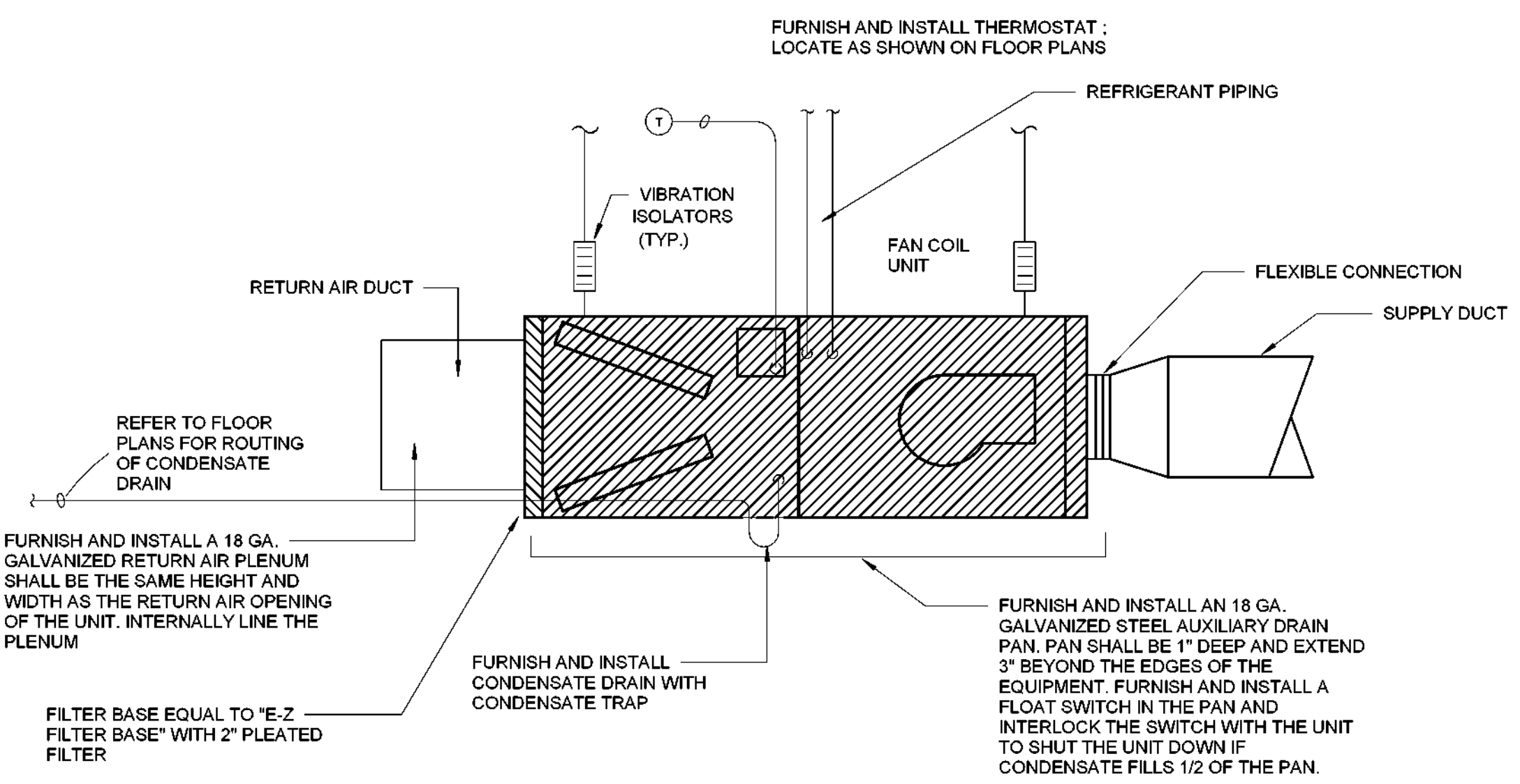


5 VIBRATION ISOLATOR DETAIL
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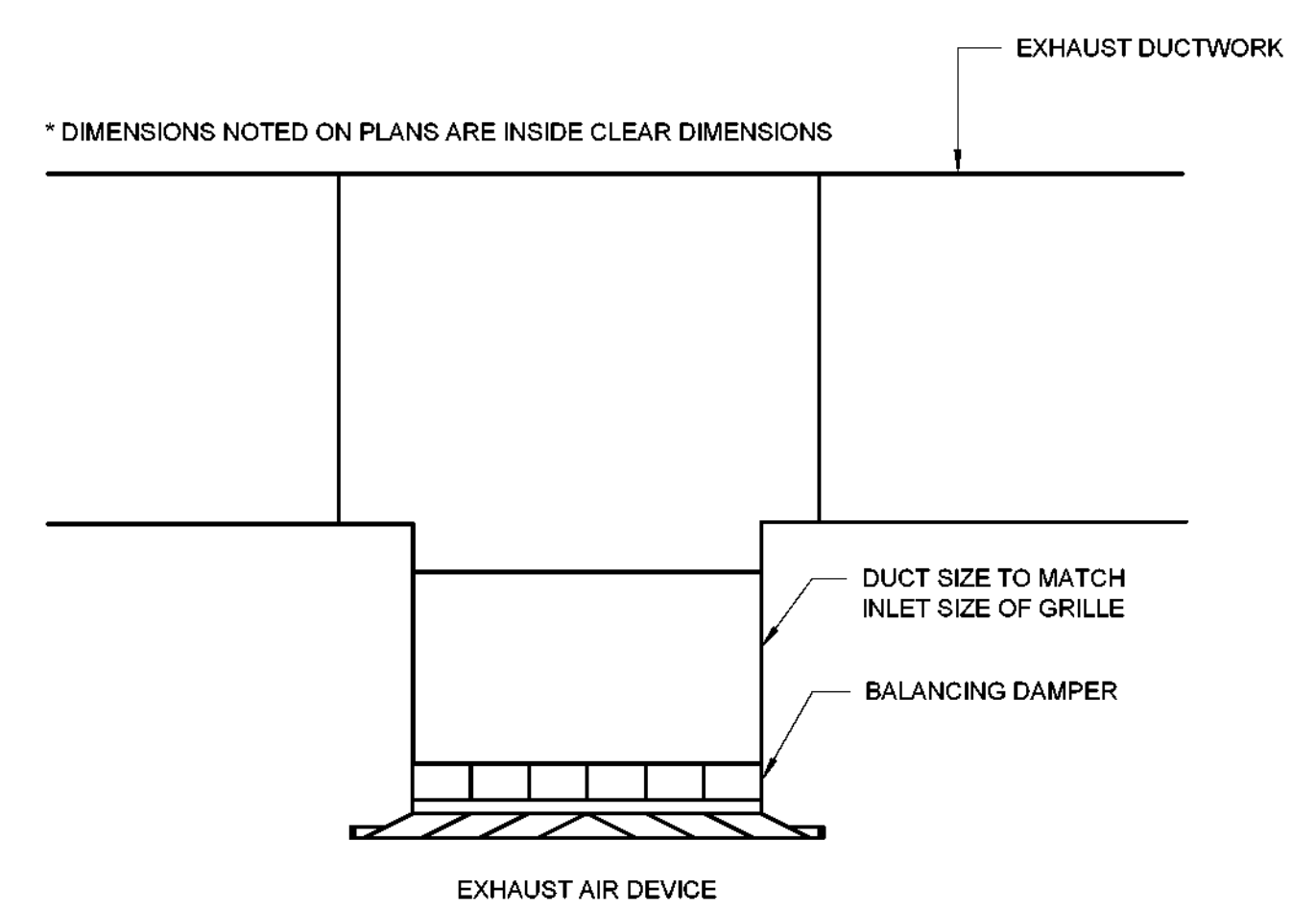
NOTE:
1. APPLIES TO ALL AIR HANDLERS WITHOUT INTERNAL SPRING ISOLATION.



7 FLUE VENT DETAIL
SCALE: NOT TO SCALE



8 HORIZONTAL FAN COIL UNIT DETAIL
SCALE: NOT TO SCALE



9 EXHAUST AIR DEVICE DETAIL
SCALE: NOT TO SCALE

* DIMENSIONS NOTED ON PLANS ARE INSIDE CLEAR DIMENSIONS

FILE PATH: AutodesK Docs://32AC23037-Greiner Exploratory Arts Academy/32AC23037-MR23-CENTRAL.rvt
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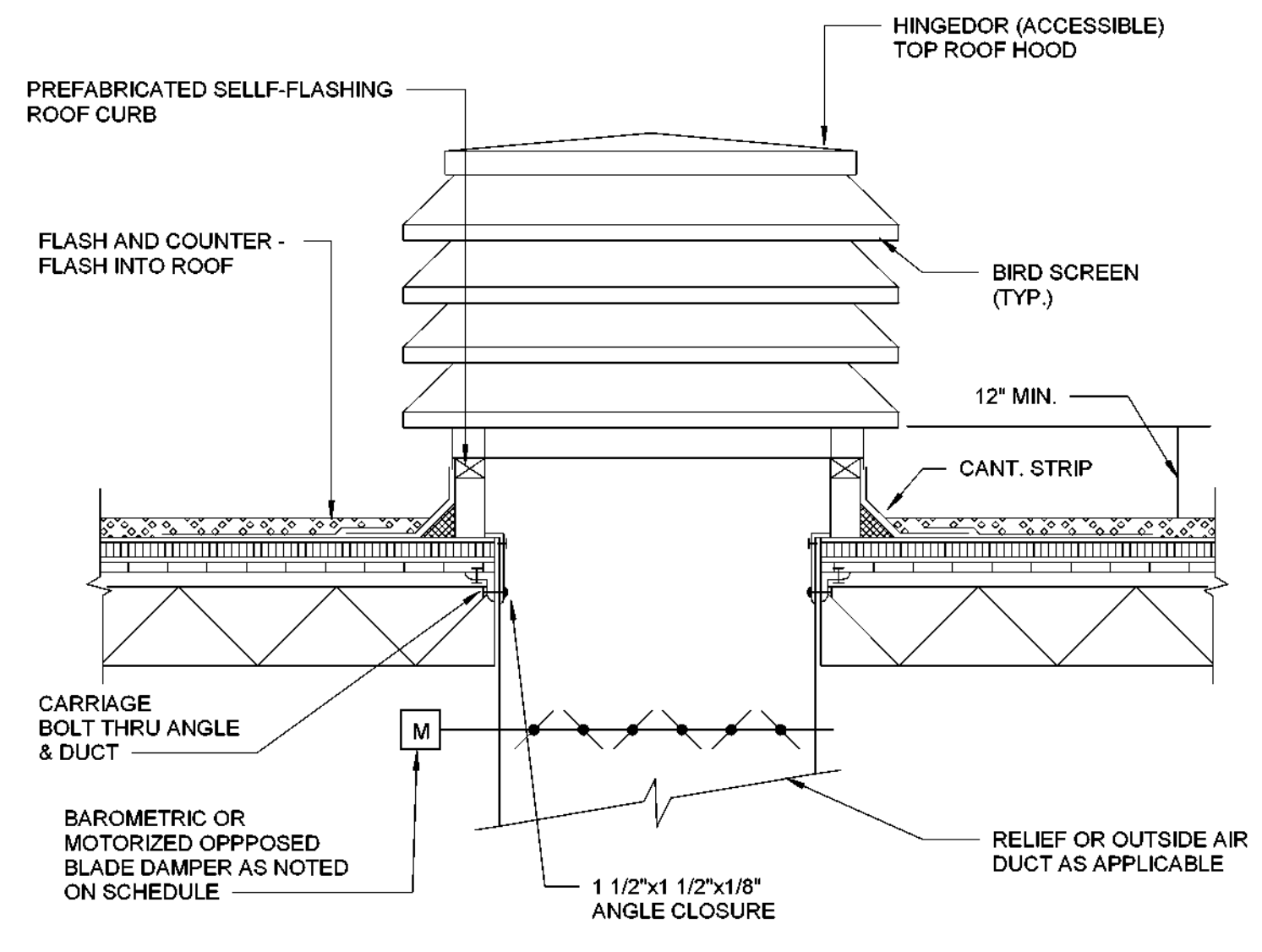
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REVISION HISTORY

REVISION	DESCRIPTION	DATE

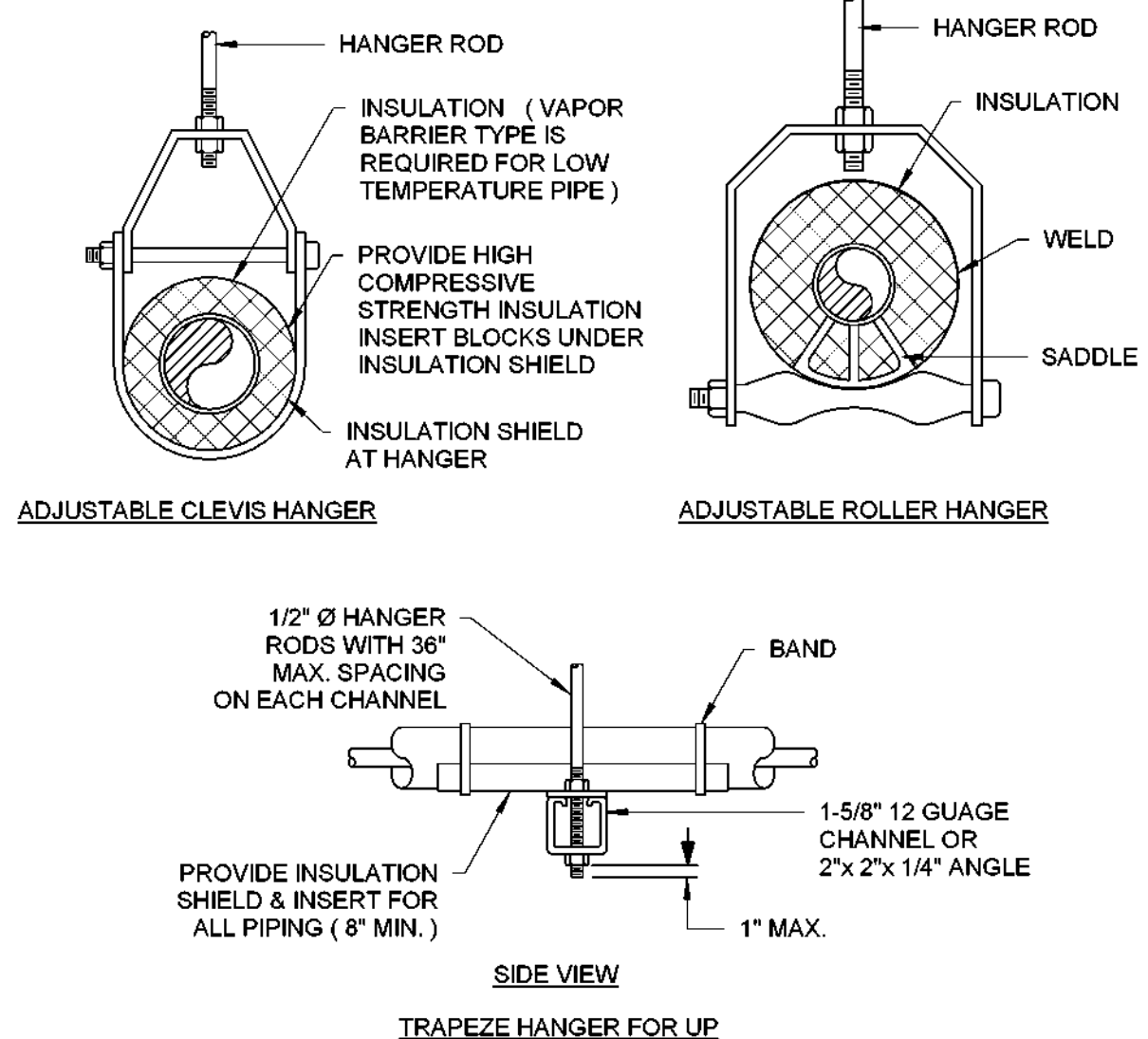
MECHANICAL - DETAILS

DRAWN BY: Author
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PROJECT NUMBER: 32AC23037
PROJECT ABBREVIATION: GEAR
ORIGINAL DATE: 12/17/2024
DATE: 12/17/2024
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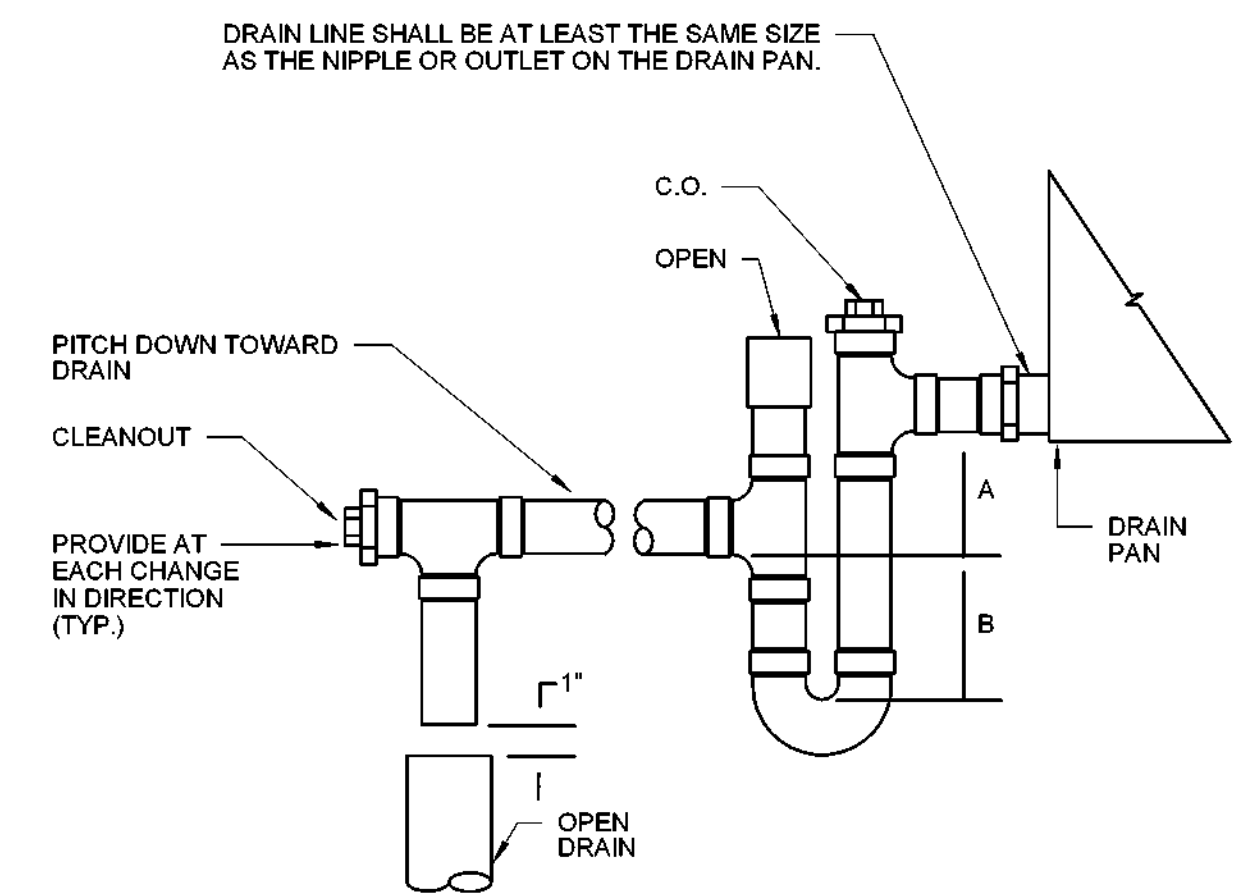
1 RELIEF HOOD AND DAMPER ASSEMBLY DETAIL
SCALE: NOT TO SCALE



2 TYPICAL PIPE HANGER DETAIL
SCALE: NOT TO SCALE

MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET	
NOM. SIZE	THRU 3/4"
PIPE	7 FT.
TUBING	5 FT.

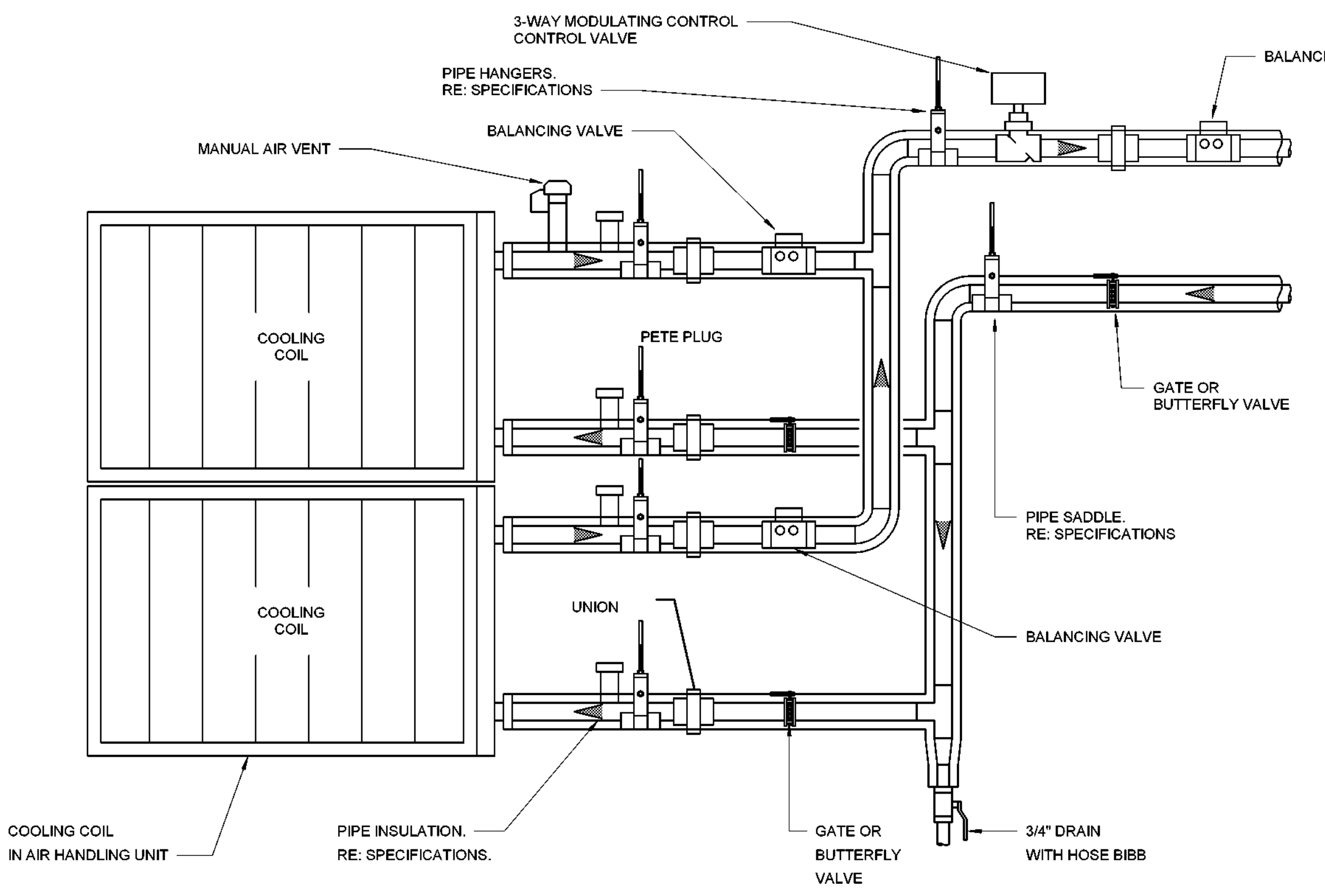
NOTE: FOR TRAPEZE HANGER USE SPACING OF SMALLEST SIZE



3 DRAIN TRAP DETAIL - AIR HANDLING UNIT
SCALE: NOT TO SCALE

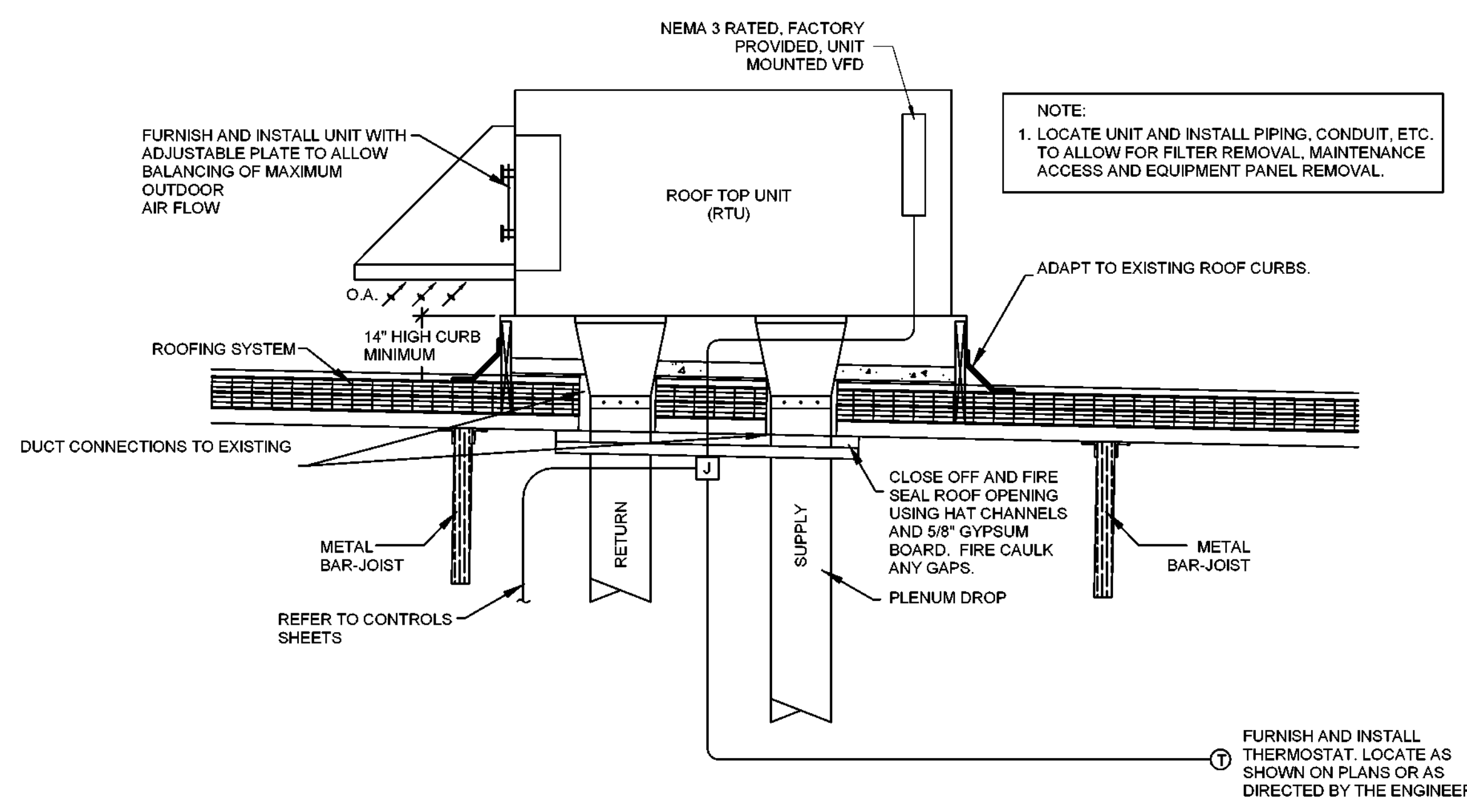
UNIT STATIC PRESS.	A	B
0"-1"	1"	2"
1"-2"	2"	3"
2"-3"	3"	4"

NOTES:
1. FOR DEPTH OF SEAL, SEE SCHEDULE.
2. LOCATE TRAP SO AS TO BE ACCESSIBLE FOR CLEANING.

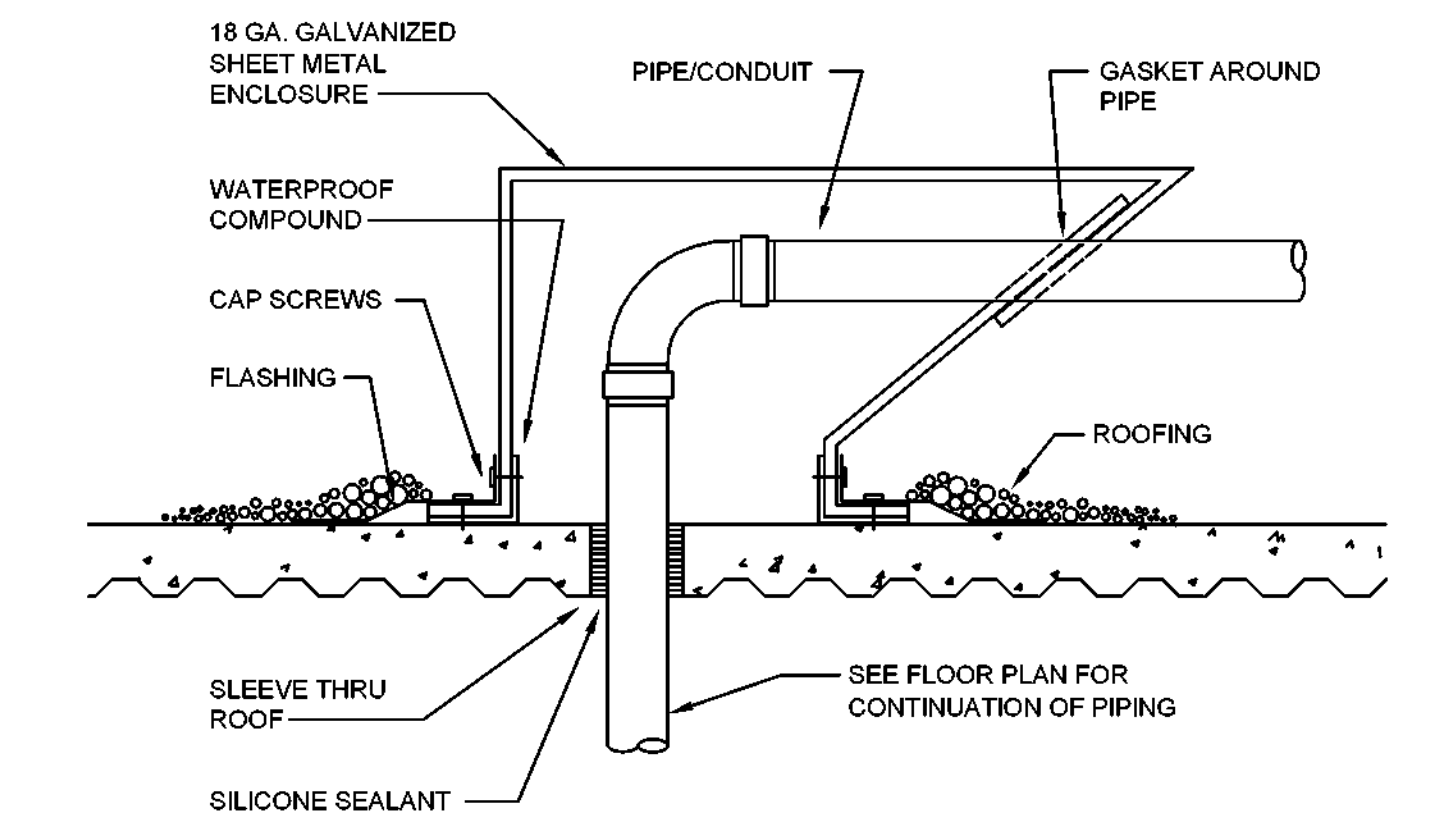


4 AIR HANDLER MULTIPLE COILS W/ 2 WAY VALVE DETAIL
SCALE: NOT TO SCALE

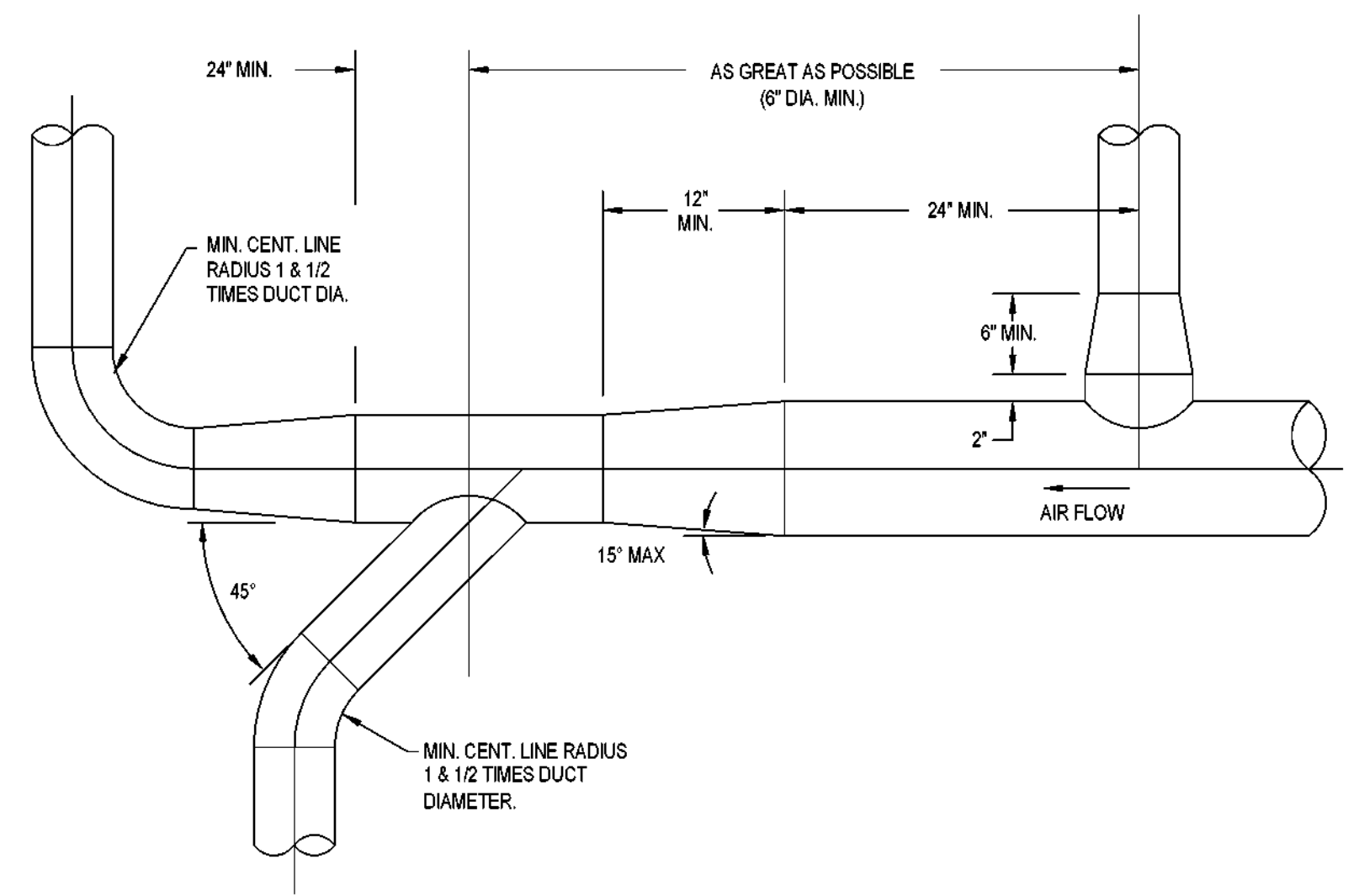
NOTES:
1. REFER TO CONDENSATE DRAIN DETAIL FOR DRAIN PAN TRAP REQUIREMENTS
2. PROVIDE FULL LINE SIZE BRANCH PIPING FROM MAIN TO COIL CONNECTIONS. REFER TO MECHANICAL PIPING DIAGRAMS FOR BRANCH PIPE SIZES.
3. PROVIDE PIPE REDUCERS FROM BRANCH PIPING TO CONTROL VALVES AS REQUIRED.



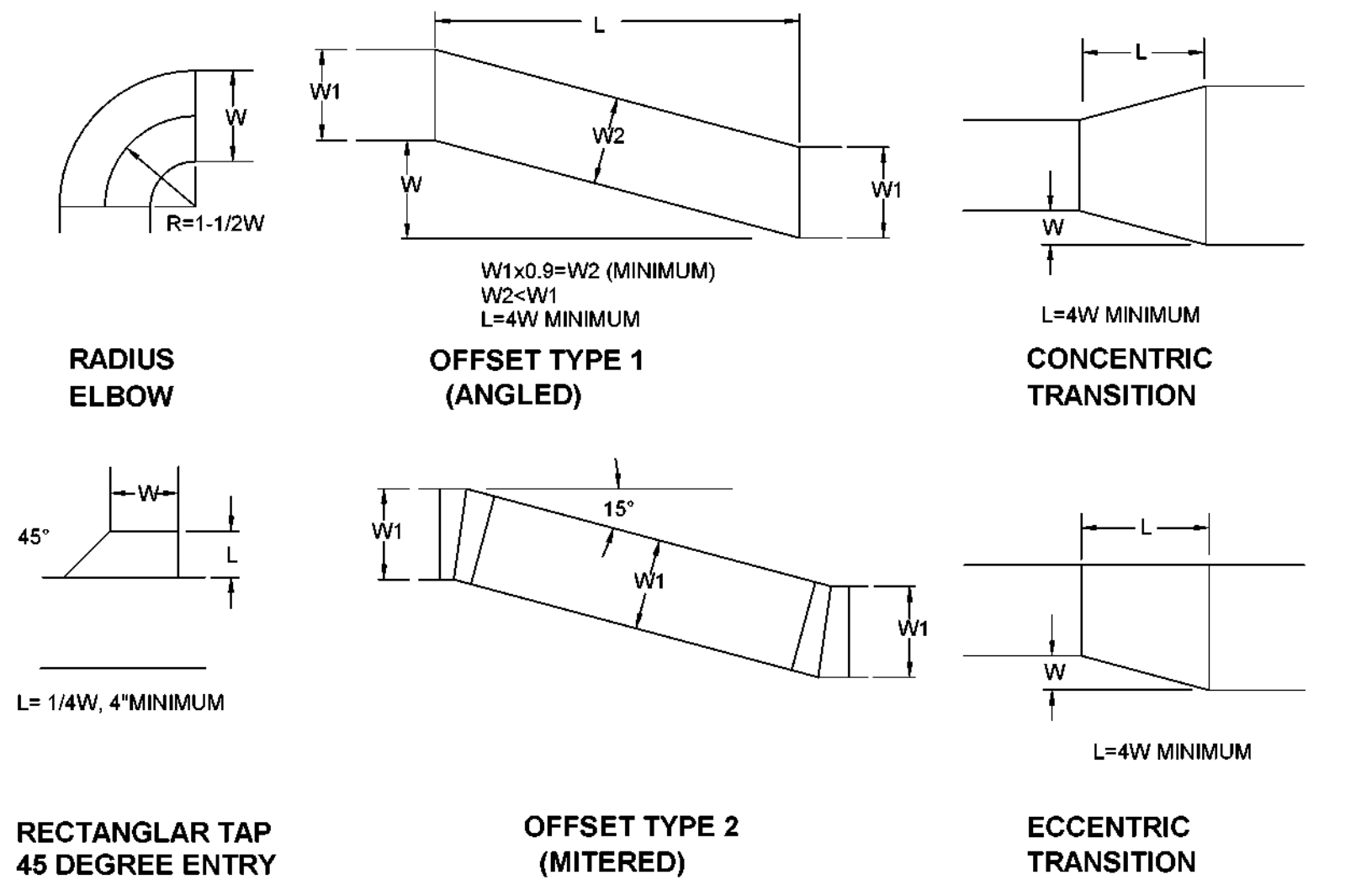
5 DOWN DISCHARGE ROOF TOP UNIT DETAIL
SCALE: NOT TO SCALE



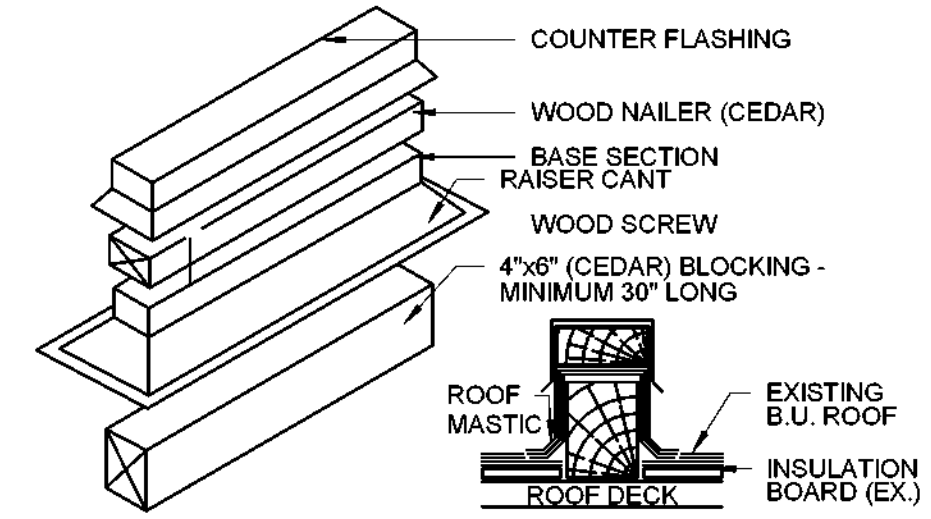
6 PIPE OR CONDUIT THRU ROOF DETAIL
SCALE: NOT TO SCALE



7 TYPICAL ROUND DUCT DETAIL
SCALE: NOT TO SCALE



8 TYPICAL RECTANGULAR DUCT DETAIL
SCALE: NOT TO SCALE



9 ROOF EQUIPMENT SUPPORT DETAIL
SCALE: NOT TO SCALE

NOTE: SCRAPE BACK EXISTING GRAVEL 24" EACH SIDE OF SUPPORT. EXTEND "DURBIGUM" ROOF PATCH" BEYOND CANT FLANGE. RESET ROOF GRAVEL IN MASTIC. PAINT ALL EXPOSED SURFACES OF "DURBIGUM" IN ACCORDANCE WITH MFG'S REQUIREMENTS. ROOF SUPPORTS SHALL BE EXTENDED TO OVERLAP THE EXISTING ROOF SUPPORT MEMBERS CURRENTLY INSTALLED ON SITE AS TO EVENLY DISTRIBUTE THE WEIGHT OF THE EQUIPMENT BETWEEN A MINIMUM OF 2 MEMBERS.

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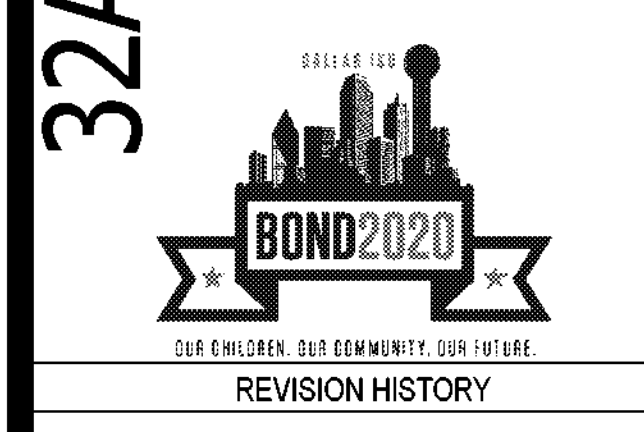
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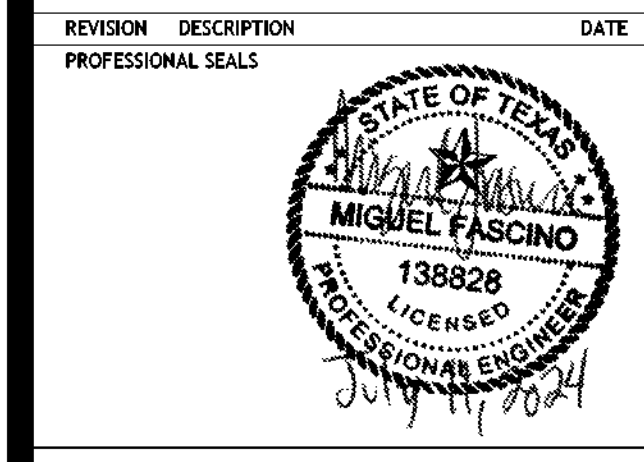
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REVISION HISTORY table with columns: REVISION, DESCRIPTION, DATE



MECHANICAL - SCHEDULES
DRAWN BY Author CHECKED BY Checker
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEA
ORIGINAL ISSUE DATE 12 JULY 2024
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M-601
SHEET NUMBER

AIR HANDLING UNIT SCHEDULE

Air Handling Unit Schedule table with columns: MARK, DESCRIPTION, AHU-1 through AHU-8, and various performance metrics like CFM, P.D., and GPM.

- 1. EXTERNAL STATIC PRESSURE INCLUDES SYSTEM LOSSES, EXCLUDING ITEMS IN AHU ITSELF (COILS, CASING, DAMPERS, CLEAN FILTERS, ETC.)
- 2. PROVIDE CONTINUOUS, HORIZONTAL, ASHRAE-COMPLIANT, STAINLESS STEEL DRAIN PAN THAT EXTENDS MIN 12" PAST COOLING COIL.
- 3. PROVIDE UNITS WITH 3" R-19 FOAM INJECTED PANELS WITH L240 DEFLECTION.
- 4. PROVIDE HINGED ACCESS DOORS WITH LOCKABLE HANDLES.
- 5. PROVIDE GLASS INSPECTION PORTS ON THE FAN SECTION AND COIL SECTIONS.
- 6. PROVIDE 2" FILTER RACKS SIZED TO FIT AHU PER MANUFACTURER'S RECOMMENDATION.
- 7. PREHEAT COIL (IF PRESENT) AND REHEAT COIL (IF PRESENT) SHALL BE FULL SIZE (W X H SAME AS COOLING COIL). AIR PRESSURE DROP SHALL BE SIZED FOR COOLING CFM.
- 8. PROVIDE FANS WITH VIBRATION ISOLATION.
- 9. PROVIDE PREMIUM TEFC MOTOR(S) WITH PREMIUM EFFICIENCY AND INVERTER-DUTY SHAFT GROUNDING.
- 10. MECHANICAL CONTRACTOR SHALL PROVIDE VFD WITH BYPASS AND INTEGRAL DISCONNECT, YASKAWA OR ABB. UNITS WITH MULTIPLE SUPPLY FANS SHALL HAVE A MEANS TO DISCONNECT EACH FAN MOTOR.
- 11. PROVIDE 480V SINGLE POINT POWER CONNECTION FOR FANS. PROVIDE 120V SINGLE POINT POWER CONNECTION FOR CONVENIENCE RECEPTACLE AND LIGHTS.
- 12. PROVIDE BACKDRAFT DAMPERS IN UNITS WITH FAN ARRAYS SO FAILURE OF A SINGLE FAN DOES NOT CAUSE BACKDRAFT.
- 13. FIRE ALARM CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTORS AND MECHANICAL CONTRACTOR SHALL LOCATE AND INSTALL PER LATEST ADOPTED CODE.
- 14. CONTROLS CONTRACTOR SHALL PROVIDE TWO OR THREE-WAY CONTROL VALVE ON COOLING/HEATING COILS AS SCHEDULED.
- 15. CONTROLS CONTRACTOR SHALL PROVIDE TWO OR THREE-WAY CONTROL VALVE ON COOLING/HEATING COILS AS SCHEDULED.
- 16. REFER TO PLANS FOR HANDEDNESS AND FOLLOW PLANS IF THERE IS ANY DISAGREEMENT WITH SCHEDULE. HANDEDNESS IS DEFINED WHEN LOOKING IN THE DIRECTION OF AIR TRAVEL.
- 17. PROVIDE WITH CONDENSATE SAFETY CUT OFF SWITCH.
- 18. PROVIDE DEMAND CONTROL VENTILATION WITH ALL UNITS AND PROVIDE CO2 MONITORING IN SPACES.

AIR HANDLING UNIT SCHEDULE

Air Handling Unit Schedule table with columns: MARK, DESCRIPTION, AHU-9 through AHU-15, and HV-1, and various performance metrics like CFM, P.D., and GPM.

- 1. EXTERNAL STATIC PRESSURE INCLUDES SYSTEM LOSSES, EXCLUDING ITEMS IN AHU ITSELF (COILS, CASING, DAMPERS, CLEAN FILTERS, ETC.)
- 2. PROVIDE CONTINUOUS, HORIZONTAL, ASHRAE-COMPLIANT, STAINLESS STEEL DRAIN PAN THAT EXTENDS MIN 12" PAST COOLING COIL.
- 3. PROVIDE UNITS WITH 3" R-19 FOAM INJECTED PANELS WITH L240 DEFLECTION.
- 4. PROVIDE HINGED ACCESS DOORS WITH LOCKABLE HANDLES.
- 5. PROVIDE GLASS INSPECTION PORTS ON THE FAN SECTION AND COIL SECTIONS.
- 6. PROVIDE 2" FILTER RACKS SIZED TO FIT AHU PER MANUFACTURER'S RECOMMENDATION.
- 7. PREHEAT COIL (IF PRESENT) AND REHEAT COIL (IF PRESENT) SHALL BE FULL SIZE (W X H SAME AS COOLING COIL). AIR PRESSURE DROP SHALL BE SIZED FOR COOLING CFM.
- 8. PROVIDE FANS WITH VIBRATION ISOLATION.
- 9. PROVIDE PREMIUM TEFC MOTOR(S) WITH PREMIUM EFFICIENCY AND INVERTER-DUTY SHAFT GROUNDING.
- 10. MECHANICAL CONTRACTOR SHALL PROVIDE WITH VFD WITH BYPASS AND INTEGRAL DISCONNECT, YASKAWA OR ABB. UNITS WITH MULTIPLE SUPPLY FANS SHALL HAVE A MEANS TO DISCONNECT EACH FAN MOTOR.
- 11. PROVIDE 480V SINGLE POINT POWER CONNECTION FOR FANS. PROVIDE 120V SINGLE POINT POWER CONNECTION FOR CONVENIENCE RECEPTACLE AND LIGHTS.
- 12. PROVIDE BACKDRAFT DAMPERS IN UNITS WITH FAN ARRAYS SO FAILURE OF A SINGLE FAN DOES NOT CAUSE BACKDRAFT.
- 13. FIRE ALARM CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTORS AND MECHANICAL CONTRACTOR SHALL LOCATE AND INSTALL PER LATEST ADOPTED CODE.
- 14. CONTROLS CONTRACTOR SHALL PROVIDE AND FIELD INSTALL ALL CONTROLS EXCEPT FACTORY INSTALLED SAFETIES.
- 15. CONTROLS CONTRACTOR SHALL PROVIDE TWO OR THREE-WAY CONTROL VALVE ON COOLING/HEATING COILS AS SCHEDULED.
- 16. REFER TO PLANS FOR HANDEDNESS AND FOLLOW PLANS IF THERE IS ANY DISAGREEMENT WITH SCHEDULE. HANDEDNESS IS DEFINED WHEN LOOKING IN THE DIRECTION OF AIR TRAVEL.
- 17. PROVIDE WITH CONDENSATE SAFETY CUT OFF SWITCH.
- 18. PROVIDE DEMAND CONTROL VENTILATION WITH ALL UNITS AND PROVIDE CO2 MONITORING IN SPACES.

ROOF HOOD SCHEDULE

Roof Hood Schedule table with columns: TAG, INTERLOCK WITH, LOCATION, TYPE, CAPACITY (CFM), MAX S.P. DROP (IN WG), THROAT AREA (IN.), HOOD SIZE (WIDTH, LENGTH, HEIGHT), WEIGHT (LBS), GREENHECK MODEL, NOTES.

- 1. FURNISH AND FACTORY FURNISHED ROOF CURB MIN. 14" HIGH.
- 2. PROVIDE ALUMINUM BIRD SCREEN ON ALL HOODS.
- 3. ALL ALUMINUM CONSTRUCTION.
- 4. PROVIDE MOTORIZED CONTROL DAMPER EITHER AT THE ROOF CURB OR INLINE WITH THE OUTSIDE AIR DUCT.

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REVISION	DESCRIPTION	DATE



MECHANICAL - SCHEDULES

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ORIGINAL ISSUE	DATE 12 JULY 2024
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M-602
SHEET NUMBER

ROOF TOP UNIT SCHEDULE

MARK		RTU-1	RTU-2	RTU-3
DESCRIPTION		VAV	VAV	VAV
TOTAL AIR (CFM)		7,000	7,000	2,250
MINIMUM OUTSIDE AIR (CFM)		1,600	1,600	540
AMBIENT TEMP. (°F) FOR CONDENSER		105/78	105/78	105/78
AREA SERVED		GYM RM 121	GYM RM 121	COMP LAB 218
SUPPLY FAN	TOTAL AIR (CFM)	7,000	7,000	2,250
	EXTERNAL S.P. (" WG)	1.0	1.0	0.5
	TYPE / DRIVE	PLENUM / DIRECT	PLENUM / DIRECT	PLENUM / DIRECT
	OPERATING RPM	1402	1402	973
	AIR MODUL'N	VFD	VFD	VFD
	FAN MOTOR (HP / V / PH)	3 / 460 / 3	3 / 460 / 3	3 / 460 / 3
COOLING COIL	TYPE	DX (R-410A)	DX (R-410A)	DX (R-410A)
	CFM	7,000	7,000	2,250
	ENT. AIR DB °F	78.0	78.0	82.2
	ENT. AIR WB °F	64.0	64.0	67.7
	LVG. AIR (DB / WB) °F	55.05/53.82	55.1/53.82	55.2/54.6
	TOTAL TONS	17.5	17.5	7.5
	TOTAL OUTPUT (MIN. MBH)	204.3	204.3	84.0
SENSIBLE OUTPUT (MIN. MBH)	170.9	170.9	65.2	
LATENT OUTPUT (MIN. MBH)	33.4	33.4	18.8	
GAS HEATING SECTION	CFM	-	-	-
	ENT. AIR (DB °F)	68	68	54.0
	LVG. AIR (DB) °F	110.0	110.0	93.3
	OUTPUT (MIN. MBH)	324.0	324.0	97.2
FILTERS	TYPE	REPLACEABLE	REPLACEABLE	REPLACEABLE
	ASHRAE EFFICIENCY	MERV 13	MERV 13	MERV 13
	MAX. INITIAL S.P. / MAX DIRTY S.P.	-	-	-
	NO. OF REFRIGERANT CIRCUITS	2	2	2
CONDENSING	COMPRESSOR TYPE / QUANTITY	Scroll	Scroll	Scroll
	EER AT ARI	11.6	11.6	12.1
	IEER AT ARI	16.2	16.2	16.4
	NO. OF CONDENSER FANS / TYPE	X / VSD	X / VSD	X / VSD
	ELECTRICAL	MCA	49	49
	MOCP	60	60	25
	VOLTAGE / PHASE	460 / 3	460 / 3	460 / 3
MANUFACTURER		Trane	Trane	Trane
MODEL		YHJ210	YHJ210	YHJ072
SIZE (L" X W" X H") / WEIGHT (LBS)		2,012 lbs	2,012 lbs	1,166 lbs
NOTES		ALL		
1.	EXTERNAL STATIC PRESSURE INCLUDES SYSTEM LOSSES, EXCLUDING ITEMS IN AHU ITSELF (COILS, CASING, DAMPERS, CLEAN FILTERS, ETC.)			
2.	PROVIDE WITH HINGED ACCESS PANELS.			
3.	PROVIDE SINGLE ZONE VAV CONTROL WHERE THE UNIT SHALL CONTROL TO THE DISCHARGE AIR TEMPERATURE SETPOINT.			
4.	PROVIDE SMOKE DETECTORS AND LOCATE PER LATEST ADOPTED CODE.			
5.	PROVIDE INDOOR FAN WITH DIRECT DRIVE AND SHALL HAVE ECM MOTOR.			
6.	PROVIDE SINGLE POINT POWER CONNECTION.			
7.	PROVIDE FACTORY INSTALLED HAIL GUARDS.			
8.	PROVIDE LOW AMBIENT OPERATION CONTROL CAPABILITIES.			
9.	PROVIDE FACTORY INSTALLED CONTROLS AND LONWORKS INTERFACE TO BAS.			
10.	EQUIPMENT MUST MEET ALL APPLICABLE CODES AND ENERGY EFFICIENCY STANDARDS.			
11.	PROVIDE WITH FACTORY POWERED CONVENIENCE OUTLET - POWERED FROM THE LINE SIDE OF THE DISCONNECT.			
12.	PROVIDE ROOF CURB ADAPTERS FOR NEW EQUIPMENT FOR ROOF IS TO REMAIN IN PLACE.			
13.	PROVIDE HOT GAS REHEAT WITH ALL ASSOCIATED SENSORS AND CONTROLS.			
14.	PROVIDE WITH ECONOMIZER PER 2021 IECC.			
15.	PROVIDE DEMAND CONTROL VENTILATION WITH ALL UNITS AND PROVIDE CO2 MONITORING IN SPACES.			
16.	PROVIDE 24" INCH SLACK IN CONTROL WIRING FOR FUTURE REROOFING			

COOLING ONLY SPLIT SYSTEM SCHEDULE

MARK	LOCATION	MODEL #	Manufacturer	Piping Limits		Unit Type	NOMINAL...	CFM	SEER2	VOLT-PH	MCA	MOP	WEIG.	NOTES
				Total	Vertical									
MSCU-1	ROOF	LSU120HLV3	LG	164	98	Outdoor	1	N/A	22	208/230/1	10	15	80	ALL
IU-1	MACHINE RM A130	LSU120HLV3												
MSCU-2	ROOF	LSU363HLV3	LG	164	98	Outdoor	3	N/A	19	208/230/1	23	30	150	ALL
IU-2	IDF A131	LSN363HLV3												
MSCU-3	ROOF	LSU363HLV3	LG	164	98	Outdoor	3	N/A	19	208/230/1	23	30	150	ALL
IU-3	ELEC RM A233	LSN363HLV3												
MSCU-4	ROOF	LUU120HV	LG	86	49	Outdoor	1	N/A	16	208/230/1	12	15	75	ALL
IU-4	CORRIDOR 1B3	LHN128HV1												
MSCU-5	ROOF	LSU120HLV3	LG	164	98	Outdoor	1	N/A	22	208/230/1	10	15	80	ALL
IU-5	IDF RM 120A	LSU120HLV3												
NOTES:														
1.	PROVIDE LOW AMBIENT OPERATION CONTROL DOWN TO 20 DEG F.													
2.	SIZE, ROUTE, AND SUPPORT REFRIGERANT PIPING AS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE LONG LINE LENGTH UPGRADE KIT FOR EACH UNIT WHERE REQUIRED.													
3.	PROVIDE MANUFACTURER'S RECOMMENDED CONDENSATE PUMP FOR INDOOR UNIT. CONDENSATE PUMP SHALL NOT REQUIRE AN ADDITIONAL ELECTRICAL CONNECTION.													
4.	PROVIDE A WIRED REMOTE THERMOSTAT CONTROLLER FOR INDOOR UNITS. MOUNT THERMOSTAT NEXT TO LIGHT SWITCH.													
5.	PROVIDE FIELD INSTALLED COIL HAIL GUARD ACCESSORY.													
6.	UNITS SHALL MEET OR EXCEED MIN SCHEDULED IEER VALUES PER AHRI 1230.													
7.	PROVIDE MANUFACTURER'S STANDARD MOUNTING HARDWARE.													
8.	WIRE THERMOSTAT TO CENTRAL CONTROLLER PER MANUFACTURER'S REQUIREMENTS. UNIT SHALL BE ADJUSTABLE FROM CENTRAL CONTROLLER.													
9.	PROVIDE INDOOR UNIT WITHOUT CONDENSATE PUMP. CONDENSATE SHALL GRAVITY DRAIN.													
10.	INCLUDE CONDENSATE OVERFLOW PROTECTION TO SHUT DOWN MINI SPLIT IF DRAIN IS BLOCKED.													

AIR DEVICE SCHEDULE

TAG	MODEL(TITUS)	SUPPLY	RETURN	EXHAUST	MODULE SIZE (IN.)	THROW FT (@ 100 FPM)	CFM RANGE	INLET SIZE (IN)	O.B.D. REQ'D. (Y/N)	P.D. (" WG)	MAX. N.C.	MATERIAL	NOTES
A	TMS-AA	X			24"X24"	6	10-400	12" ∅	REFER TO DRAWINGS	0.03	12	A LUMINUM	ALL
B	SOF		X		24"X24"	-	0-1875	-	REFER TO DRAWINGS	0.04	13	ALUMINUM	ALL
NOTES: 1. P.D.(" WG) IS AT MAX. CFM. 2. FURNISH AND INSTALL AIR DEVICE WITH LAY-IN BORDE F RAME FOR LAY IN CEILINGS OR SURFACE MOUNTING FRAME FOR MOUNTING IN GYP. BOARDCEILING, WALL OR ON DCT.													

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DX SPLIT UNIT SCHEDULE

Table with columns for Mark (AC-1 to AC-10) and rows for Fan, Cooling, Elec. Heat, Gas Heat, and Condenser. Includes detailed specifications for each unit type.

- 1. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
2. PROVIDE OUTDOOR UNITS WITH HIGH AND LOW PRESSURE CUT-OFF SAFETIES.
3. SIZE REFRIGERANT PIPING AS PER MANUFACTURER'S RECOMMENDATIONS.
4. BASIS OF DESIGN: TRANE
5. PROVIDE DRAIN PAN FOR FAN COIL UNIT.
6. PROVIDE OUTSIDE CONDENSING UNIT W/ HOUSEKEEPING PAD. HOUSEKEEPING PAD SHALL BE A MINIMUM 3" LARGER THAN THE UNIT ON ALL SIDES.
7. PROVIDE HAIL GUARD ON CONDENSING UNIT.

INDOOR AND OUTDOOR DOAS UNIT INFORMATION

Table with columns for Mark No., Manufacturer, Model No., Type of Unit, and various performance metrics like EAT, Total MBH, Sensible MBH, Lat Cool, Heat Eat, etc.

- Outdoor Unit Notes:
1. PROVIDE FIELD INSTALLED COIL GUARD
2. HEAT RECOVERY UNITS SHALL PROVIDE CONTINUOUS HEATING THROUGH THE DEFROST CYCLE
3. UNITS SHALL MEET OR EXCEED MIN SCHEDULED IEER VALUES PER AHRI 1230

- INDOOR FAN COIL NOTES:
1. PROVIDE FACTORY MOUNTED CONDENSATE PUMPS ON ALL INDOOR UNITS
2. PROVIDE BRC1E73 NAVIGATION STAT FOR ALL FCU WITH AUTO CHANGE OVER AND DUAL HEAT AND COOL SETPOINTS
3. PROVIDE 10 YEAR PARTS, 10 YEAR COMPRESSOR WARRANTY
4. PROVIDE WEB ACCESSIBLE CENTRALIZED CONTRLLER
5. GRAVITY DRAIN CONDENSATE.

EXISTING EXHAUST FAN SCHEDULE

Table with columns for Tag, Service, Location, Type, Air Flow, Ext Sp, Fan Type, Drive Type, Fan RPM, Motor Input, Volt/PhHz, Sound Level, Unit Physical Data, Manufacturer, Model, Notes.

- NOTES:
1. PROVIDE A BACKDRAFT DAMPER.
2. PROVIDE VENTILATOR ON THE ROOF
3. PROVIDE WITH PRE-WIRED DISCONNECT.
4. PROVIDE WITH SPEED CONTROLLER.
5. FAN TO BE CONTROLLED BY TIMELOCK TO RUN DURING OCCUPIED HOURS.

LOUVER SCHEDULE

Table with columns for Mark, Service, Application, Airflow, Free Area, Max. Press. Drop, Max. Velocity, Manufacturer, Model Number, Size, Notes.

- NOTES:
1. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION. ARCHITECT SELECTED - MANUFACTURER'S...
2. 5.5" DEEP, 0.081" THICK 6063T5 EXTRUDED ALUMINUM FRAME, 0.063" THICK 6063T5 EXTRUDED ALUMINUM...
3. 5/8" X 0.040" THICK EXPANDED FLATTENED ALUMINUM BIRD SCREEN.
4. AMCA 500-L WIND-DRIVEN RAIN PENETRATION TEST, RATED PER AMCA PUBLICATION 511.
5. REFERENCE ARCHITECTURAL SPECIFICATIONS FOR LOUVER SPECS.
6. PROVIDE MOTORIZED DAMPER.

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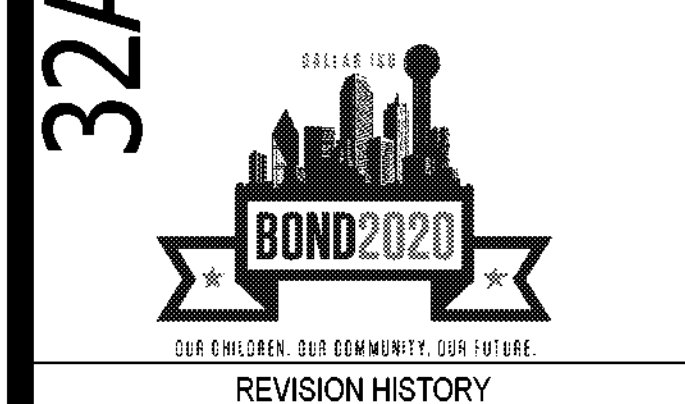
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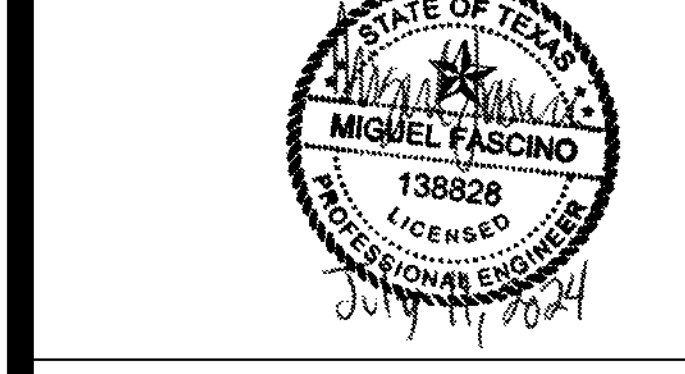
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REVISION HISTORY table with columns for Revision, Description, Date.



MECHANICAL - SCHEDULES table with columns for Drawn By, Author, Checked By, Checker, Project Number, Project Abbreviation, Original Issue, Date.

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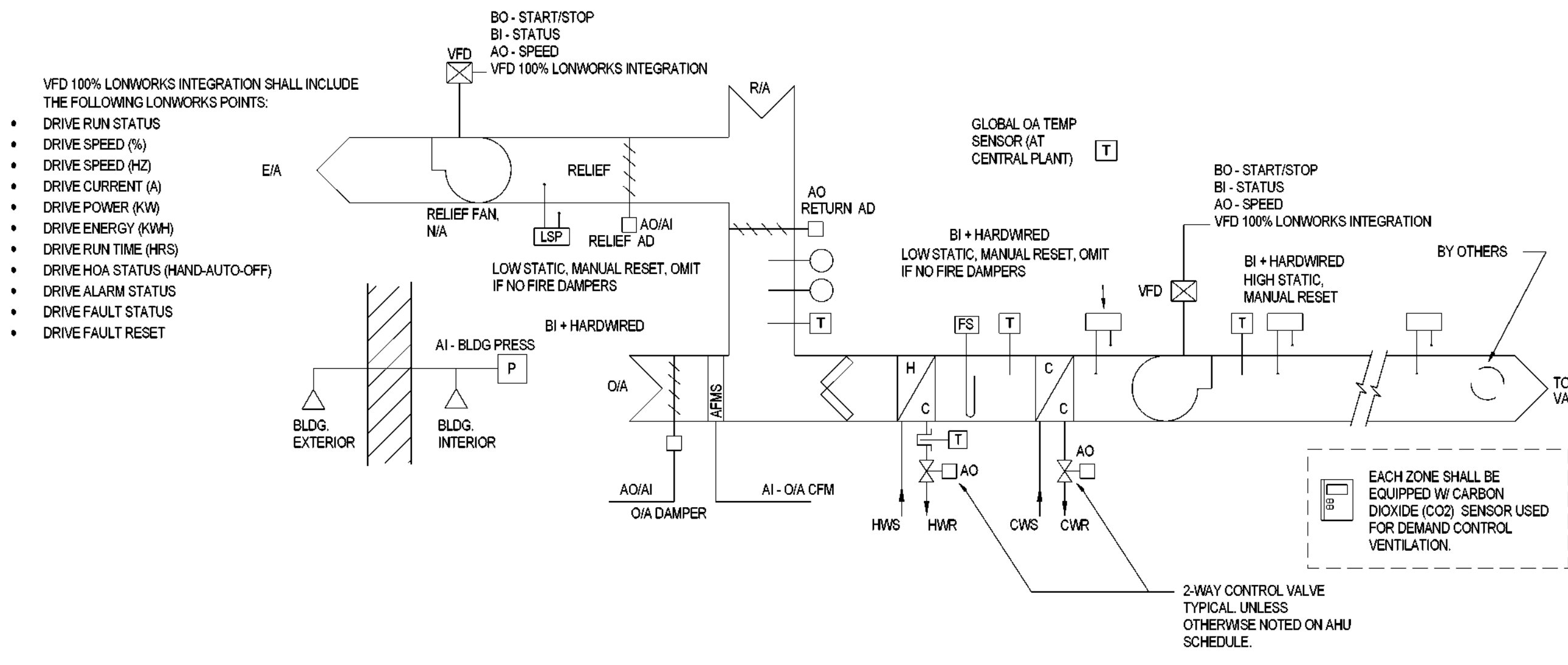
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REVISION HISTORY

REVISION HISTORY table with columns for REVISION, DESCRIPTION, and DATE.

Professional Engineer seal for Miguel Mascino, State of Texas, License No. 138828, Expired 07/2024.

Mechanical Controls
DRAWN BY: Author, CHECKED BY: Checker
PROJECT NUMBER: 32AC23037, PROJECT ABBREVIATION: GEA4
DATE: 12 JULY 2024

M-701
SHEET NUMBER



1 VAV AIR HANDLING UNIT (AHU-1, 2, 3, 4, 5, 14)
NOT TO SCALE

INPUT / OUTPUT SUMMARY table listing various hardware inputs and outputs such as START/STOP, CO2, Humidity, and Pressure sensors.

SEQUENCE OF OPERATION: UNITS CONSIST OF A MOTORIZED, FILTER SECTION, CHILLED WATER COOLING COIL, FANS WITH VARIABLE SPEED CONTROL AND SAFETY CONTROLS.

SUPPLY FAN START/STOP: THE SUPPLY FAN SHALL BE STARTED THROUGH THE BMS AS MODIFIED BY ITS OPTIMUM START/STOP PROGRAM.

STATIC PRESSURE CONTROL: THE VFD SHALL MODULATE THE SUPPLY FAN MOTOR TO MAINTAIN SUPPLY FAN SPEED TO MEET THE DISCHARGE STATIC PRESSURE SET POINT.

STATIC PRESSURE RESET: IF ALL VAV AIR DAMPERS ARE LESS THAN 80% (ADJ.) OPEN, RESET THE SUPPLY AIR STATIC PRESSURE DOWN 0.10" (ADJ.) EVERY 15 MINUTES (ADJ.) UNTIL THE MOST OPEN DAMPER IS 85% (ADJ.) OPEN.

DISCHARGE AIR CONTROL: CHILLED WATER CONTROL VALVE AND PREHEAT COIL SCR SHALL MODULATE TO MAINTAIN LEAVING AIR TEMPERATURE SET POINT OF 55 DEG. F (ADJUSTABLE).

SUPPLY AIR TEMPERATURE RESET - LOW/LIMIT: AS COOLING DEMAND DECREASES AND SUPPLY FAN SPEED HAS BEEN REDUCED TO MINIMUM ALLOWABLE, THE SUPPLY AIR TEMPERATURE SETPOINT SHALL INCREMENTALLY RESET 1" EVERY 15 MINUTES (ADJUSTABLE) UP TO A MAXIMUM OF 60" F (ADJUSTABLE).

SUPPLY AIR TEMPERATURE RESET - HUMIDITY CONTROL: WHEN THE RETURN AIR HUMIDITY RISES ABOVE 55% RH (ADJUSTABLE), THE SUPPLY AIR TEMPERATURE SETPOINT SHALL INCREMENTALLY RESET DOWN 1" EVERY 15 MINUTES (ADJUSTABLE) UNTIL RETURN AIR HUMIDITY HAS REACHED 55% RH (ADJUSTABLE).

UNOCCUPIED MODE: THE UNIT FAN SHALL BE STOPPED AND OUTDOOR AIR DAMPERS SHALL RETURN TO THE CLOSED POSITION THROUGH THE BMS.

OA DAMPER CONTROL: WHEN OPERATING IN NORMAL MODE, OUTSIDE AIR DAMPER SHALL BE MODULATED AS NECESSARY TO MAINTAIN CO2 LEVEL AS MEASURED BY RETURN AIR DUCT SENSOR.

MIN OA DAMPER CONTROL: WHEN OPERATING IN NORMAL OR UNOCCUPIED MODE, THE RETURN AIR DAMPER SHALL BE FULLY OPEN AND THE MINIMUM OUTSIDE AIR DAMPER SHALL MODULATE AS NECESSARY TO MAINTAIN OUTSIDE AIRFLOW SETPOINT.

DEMAND CONTROL VENTILATION: IN NORMAL MODE, CO2 LEVELS SHALL RESET OUTSIDE AIRFLOW SETPOINT BETWEEN MAXIMUM DESIGN SET POINT (PROVIDED ON THE AHU SCHEDULE) AND MINIMUM NECESSARY FOR BUILDING PRESSURIZATION (SET BY TAB CONTRACTOR WITH ALL RELIEF DAMPERS CLOSED).

AIR FILTERS: EACH FILTER BANK SHALL HAVE A DIFFERENTIAL PRESSURE SWITCH TO INDICATE HIGH PRESSURE DIFFERENTIAL ACROSS THE FILTER.

ECONOMIZER MODE: ECONOMIZER SHALL ONLY BE ACTIVATED WHEN OA TEMPERATURE, MEASURED BY THE GLOBAL TEMPERATURE SENSOR AT THE CENTRAL PLANT DROPS TO 65 F (ADJ.) AND AHU SUPPLY FAN STATUS IS ON.

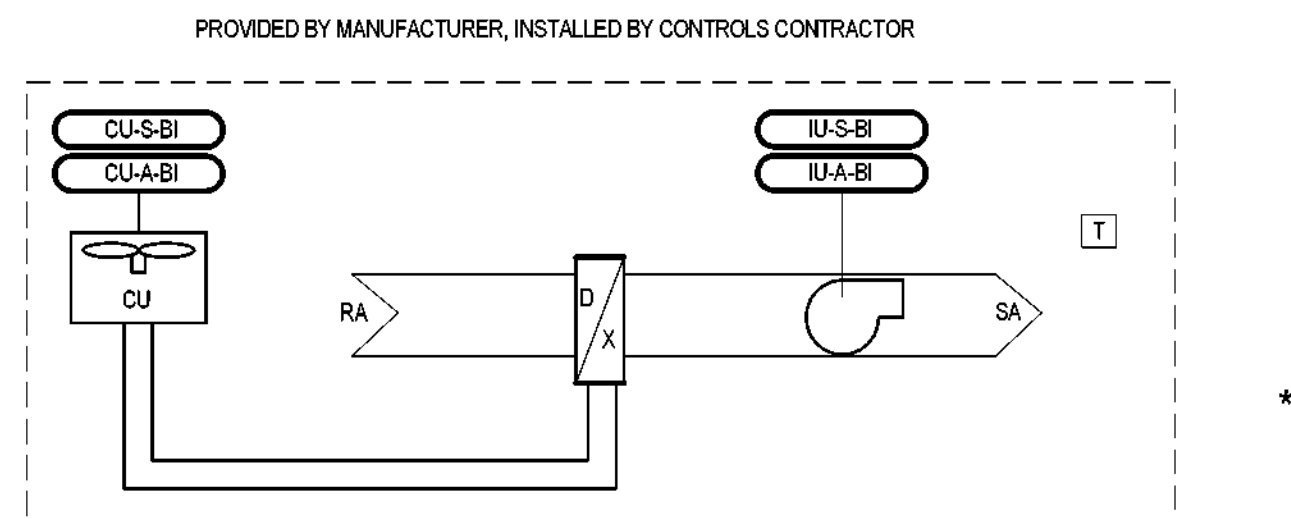
IN ECONOMIZER MODE, THE OUTSIDE AIR DAMPERS AND RETURN AIR DAMPER SHALL MODULATE TO MAINTAIN MIXED AIR TEMPERATURE AS LOW AS POSSIBLE WITHOUT DROPPING MORE THAN 2" F (ADJ.) BELOW SUPPLY AIR TEMPERATURE SETPOINT.

RELIEF AIR DAMPER: IN NORMAL AND ECONOMIZER MODE, THE RELIEF HOOD MOTORIZED DAMPER SHALL MODULATE TO MAINTAIN POSITIVE BUILDING PRESSURE SETPOINT +0.05" WC (ADJ.).

SAFETY: ALL OF THE SAFETY DEVICES ARE MANUAL RESET. THE DEVICE THAT HAS TRIPPED MUST BE MANUALLY RESET BEFORE RESTARTING THE AIR HANDLING UNIT.

SHUTDOWN: WHEN THE UNIT IS SHUTDOWN BY EITHER A STOP COMMAND OR SYSTEM SAFETY THE DDC SHALL ALARM.

PHASE FAILURE: Upon sensing phase failure, for an any three phase motor, motor/equipment shall be disabled and DDC shall alarm.



2 MINI-SPLIT DX CONDENSING AND INDOOR UNIT
NOT TO SCALE

SEQUENCE OF OPERATION: DX SPLIT-SYSTEM UNIT: UNITS WILL HAVE STAND ALONE CONTROLLER(S) PROVIDED BY EQUIPMENT MANUFACTURER TO SERVE IT AND ELECTRICAL ROOMS.

IF SPLIT-SYSTEM IS THE ONLY COOLING EQUIPMENT SERVING ITS SPACE, ITS COOLING SETPOINT SHALL BE SET TO 75 F (ADJ.) VIA ITS STAND ALONE CONTROLLER. WHEN THE BMS TEMPERATURE SENSOR MEASURES 80 F (ADJ.), THE BMS SHALL ALARM.

IF SPLIT-SYSTEM BACKS UP OTHER COOLING EQUIPMENT (VAV BOX OR FAN COIL UNIT) SERVING ITS SPACE, ITS COOLING SETPOINT SHALL BE SET VIA ITS STAND ALONE CONTROLLER TO 2 F (ADJ.) HIGHER THAN THE PRIMARY EQUIPMENT'S COOLING SETPOINT.

Table: DIVISION OF RESPONSIBILITY - AIR HANDLING UNIT. Columns: FIELD DEVICE, FIELD DEVICE SUPPLIED BY, FIELD DEVICE INSTALLED BY, WRING BY Controls Vendor, WRING BY Electrical Contractor.

Table: DIVISION OF RESPONSIBILITY FIRE ALARM INTERLOCK, SMOKE CONTROL, AND MISC. SYSTEMS. Columns: FIELD DEVICE, FIELD DEVICE SUPPLIED BY, FIELD DEVICE INSTALLED BY, WRING BY Automation Subcontractor, WRING BY Electrical Contractor.

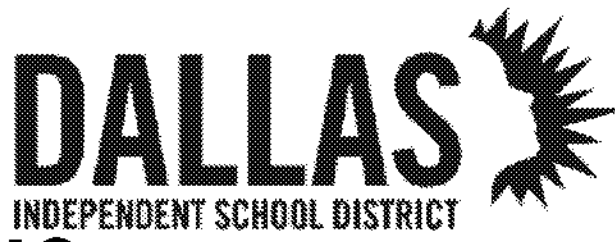
DEMAND RESPONSE TEMPERATURE SETPOINT ADJUSTMENT: WHEN THE ELECTRIC UTILITY INITIATES DEMAND RESPONSE TEMPERATURE SETPOINT ADJUSTMENT AT THE DISTRICTS' CENTRAL JACE, THE CENTRAL JACE WILL COMMUNICATE TO THE CAMPUS BAS TO INCREASE OR REDUCE ALL ACTIVE SPACE TEMPERATURE SETPOINTS +3 F / -3 F (ADJ.).

CONTROLS PROGRAMMER SHALL INCLUDE A SOFTWARE TOGGLE FOR EACH PIECE OF EQUIPMENT AND FOR THE CAMPUS AS A WHOLE TO ENROLL/DISENROLL FROM DEMAND RESPONSE.

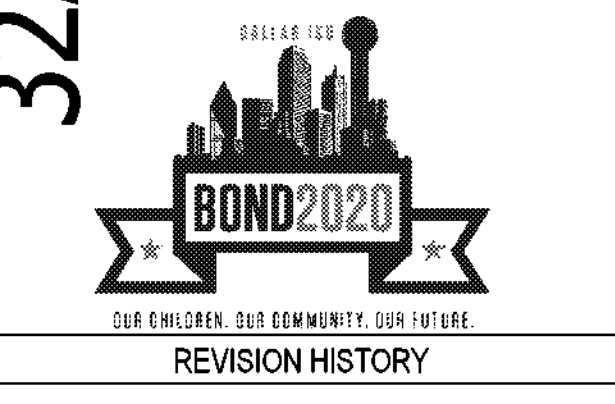
3 DEMAND RESPONSE
NOT TO SCALE

4 SAFETY CONTROLS
NOT TO SCALE

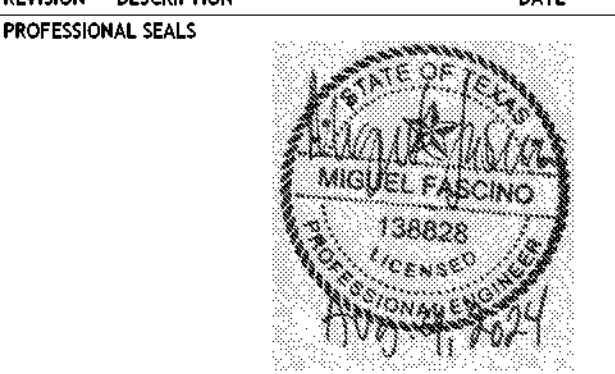
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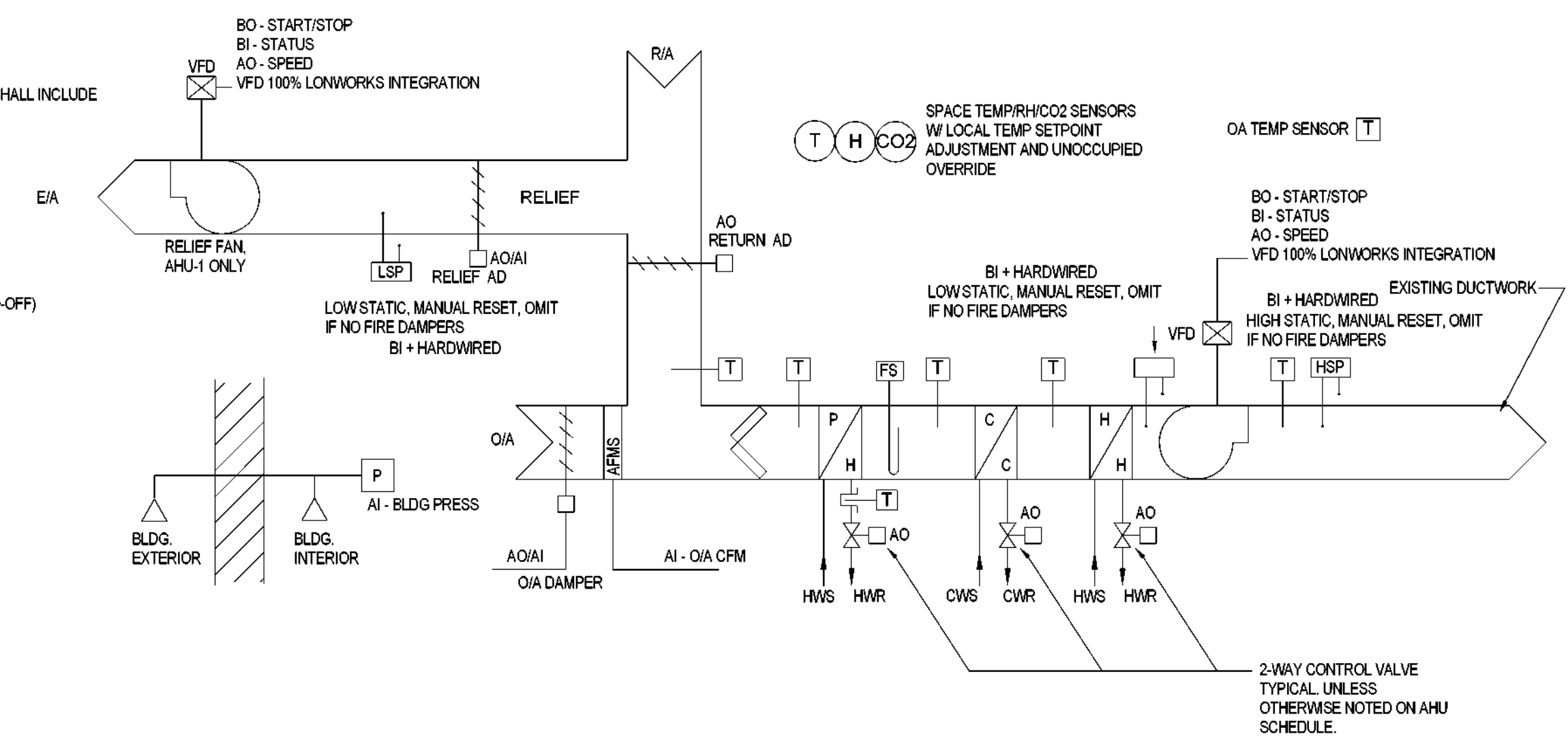
REVISION HISTORY table with columns: REVISION, DESCRIPTION, DATE



MECHANICAL - CONTROLS

Table with columns: DRAWN BY, CHECKED BY, PROJECT NUMBER, PROJECT ABBREVIATION, ORIGINAL DATE, DATE

- VFD 100% LONWORKS INTEGRATION SHALL INCLUDE THE FOLLOWING LONWORKS POINTS:
• DRIVE RUN STATUS
• DRIVE SPEED (%)
• DRIVE SPEED (M)
• DRIVE CURRENT (A)
• DRIVE POWER (KW)
• DRIVE ENERGY (KWH)
• DRIVE RUN TIME (HRS)
• DRIVE HOA STATUS (MANUAL-AUTO-OFF)
• DRIVE ALARM STATUS
• DRIVE FAULT STATUS
• DRIVE FAULT RESET



1 SZVAV AIR HANDLING UNIT (AHU-6, 7, 8, 11, 13)
NOT TO SCALE

INPUT / OUTPUT SUMMARY table with columns: PAGE, PROJECT, OUTPUT, INPUT, ALARMS, PROGRAMS, POINT DESCRIPTION, and a grid for hardware and software details.

SINGLE ZONE, VARIABLE AIR VOLUME AIR HANDLING UNIT SEQUENCE OF OPERATION: THE UNIT PROVIDES CONDITIONS FOR A SINGLE ZONE. UNIT SHALL CONSIST OF A MOTORIZED, MODULATING SPRING RETURN DAMPER FOR EACH OF THE OUTSIDE, RETURN AND RELIEF AIR DAMPERS...
SUPPLY FAN START/STOP: THE SUPPLY FANS SHALL BE STARTED AND STOPPED THROUGH THE DDC TIME CLOCK PROGRAM, AS MODIFIED BY ITS OPTIMUM START/STOP PROGRAM...
SPACE SETPOINTS: OCCUPIED SPACE TEMPERATURE COOLING SETPOINT: 75°F (ADJ)
OCCUPIED SPACE TEMPERATURE HEATING SETPOINT: 70°F (ADJ)
LOCAL TEMPERATURE SETPOINT ADJUSTMENT: +2°F (-2°F)
DEMAND RESPONSE TEMP. SETPOINT ADJUSTMENT: +3°F (-3°F (ADJ))
UNOCCUPIED SPACE TEMPERATURE COOLING SETPOINT: 55°F (ADJ)
UNOCCUPIED SPACE TEMPERATURE HEATING SETPOINT: 50°F (ADJ)
SPACE CO2 SETPOINT (OCCUPIED MODE ONLY): 800 PPM (ADJ)

SUPPLY AIR TEMPERATURE: PRE-HEAT HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN LEAVING COIL TEMPERATURE OF 55°F (ADJ)...
SUPPLY AIR HUMIDITY CONTROL: WHEN SPACE HUMIDITY RISES ABOVE SETPOINT, THE COOLING COIL LEAVING AIR TEMPERATURE SETPOINT SHALL INCREMENTALLY RESET DOWN 1°F EVERY 15 MINUTES (ADJ)...
UNOCCUPIED MODE: ASSOCIATED EXHAUST FANS SHALL BE OFF. OUTSIDE AIRFLOW SETPOINT SHALL BE ZERO. SUPPLY FAN AND HEATING AND COOLING VALVES SHALL MODULATE BETWEEN 0% AND 100% AS REQUIRED TO MAINTAIN UNOCCUPIED SETPOINTS...
MORNINGS WARM-UP / COOL-DOWN: A MORNING WARM-UP CYCLE SHALL BE PROGRAMMED IN THE DDC AND UPON BUILDING COOL START-UP SHALL HOLD THE OUTSIDE AIR DAMPER(S) CLOSED...
A MORNING COOL-DOWN CYCLE SHALL BE PROGRAMMED IN THE DDC AND UPON BUILDING WARM START-UP SHALL KEEP THE OUTSIDE AIRFLOW SETPOINT AT ZERO...
OUTSIDE AIR CONTROL: WHEN OPERATING IN NORMAL MODE, THE OUTSIDE AIR DAMPER SHALL MODULATE AS NECESSARY TO MAINTAIN OUTSIDE AIRFLOW SETPOINT...
DEMAND CONTROL VENTILATION: CO2 LEVELS SHALL RESET OUTSIDE AIR SETPOINT BETWEEN MAXIMUM DESIGN SET POINT (PROVIDED ON THE AHU SCHEDULE) AND MINIMUM NECESSARY FOR BUILDING PRESSURIZATION...
ECONOMIZER MODE: ECONOMIZER SHALL ONLY BE ACTIVATED WHEN O.A. TEMPERATURE IS BELOW 75°F, O.A. ENTHALPHY IS BELOW R.A. ENTHALPHY, AND AHU SUPPLY FAN STATUS IS ON...
BUILDING PRESSURE CONTROL: WHEN BUILDING STATIC PRESSURE IN A GIVEN AHU ZONE EXCEEDS ITS SETPOINT OF +0.05" (ADJ. SET BY TAB CONTRACTOR) FOR 3 MINUTES (ADJ)...
PRE-FREEZE SEQUENCE: IF THE TEMPERATURE AT A FREEZESTAT (AS MEASURED BY TEMPERATURE SENSOR IN SAME LOCATION) DROPS TO 38°F (ADJ), SUPPLY FAN SHALL BE ENABLED...
SAFETY: ALL OF THE SAFETY DEVICES ARE MANUAL RESET. THE DEVICE THAT HAS TRIPPED MUST BE MANUALLY RESET BEFORE RESTARTING THE AIR HANDLING UNIT...
SHUTDOWN: WHEN THE UNIT IS SHUTDOWN BY A STOP COMMAND, SYSTEM SAFETY, OR LOSS OF POWER THE UNIT WILL BE SET AS FOLLOWS:

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DALLAS INDEPENDENT SCHOOL DISTRICT

Academy 501 S Edgelfeld Ave Dallas, TX 75208

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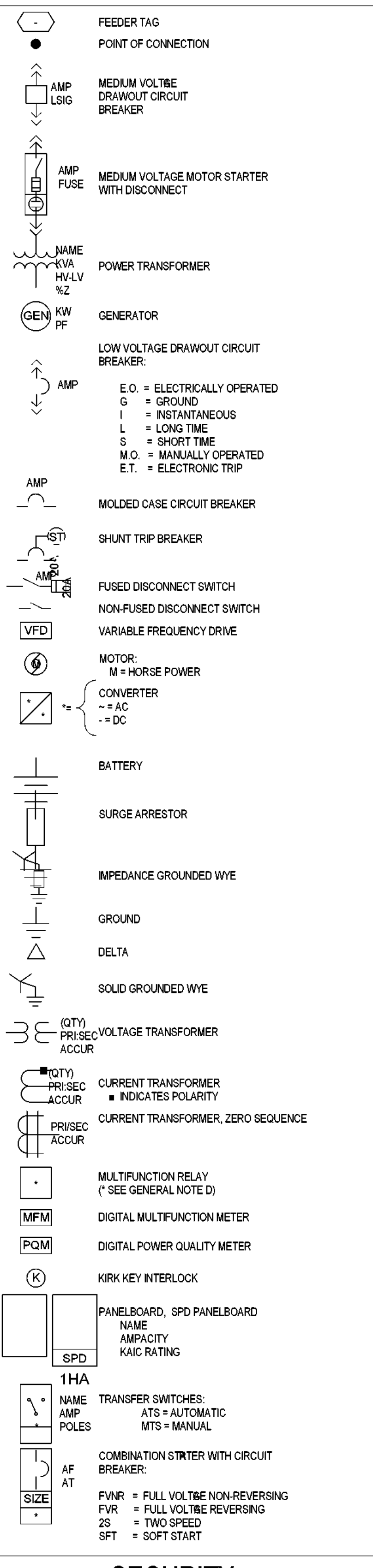
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REVISION HISTORY table

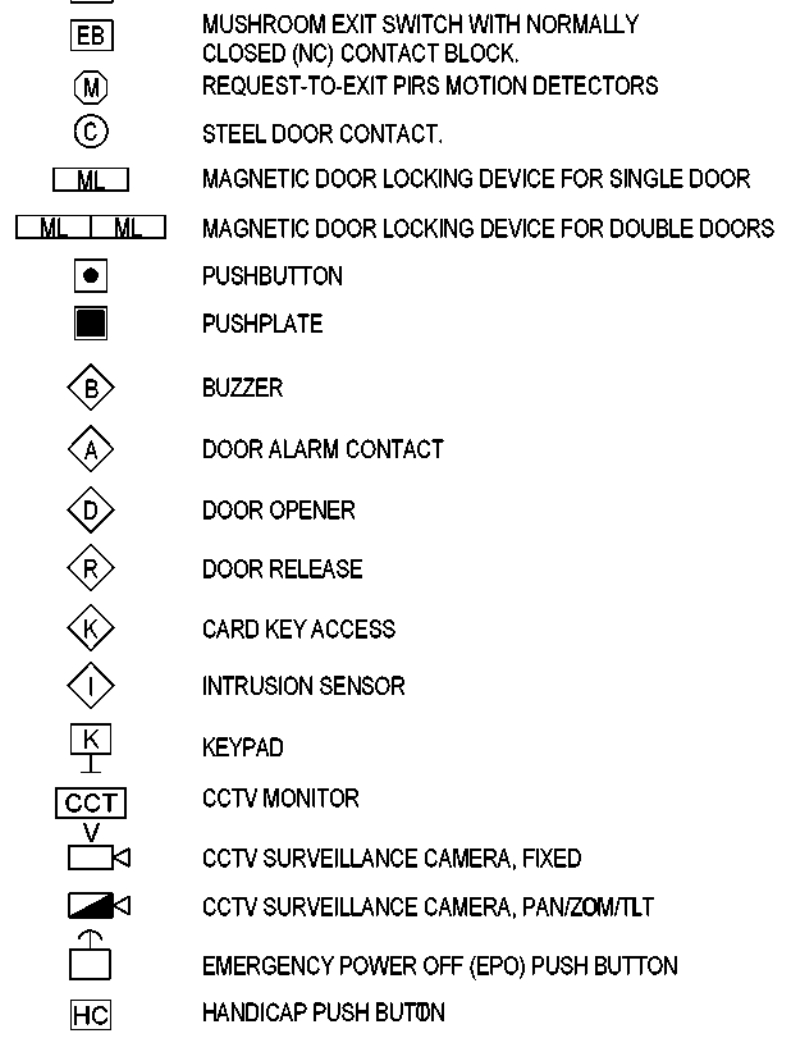
ELECTRICAL LEGENDS, ABBREVIATIONS, AND GENERAL NOTES

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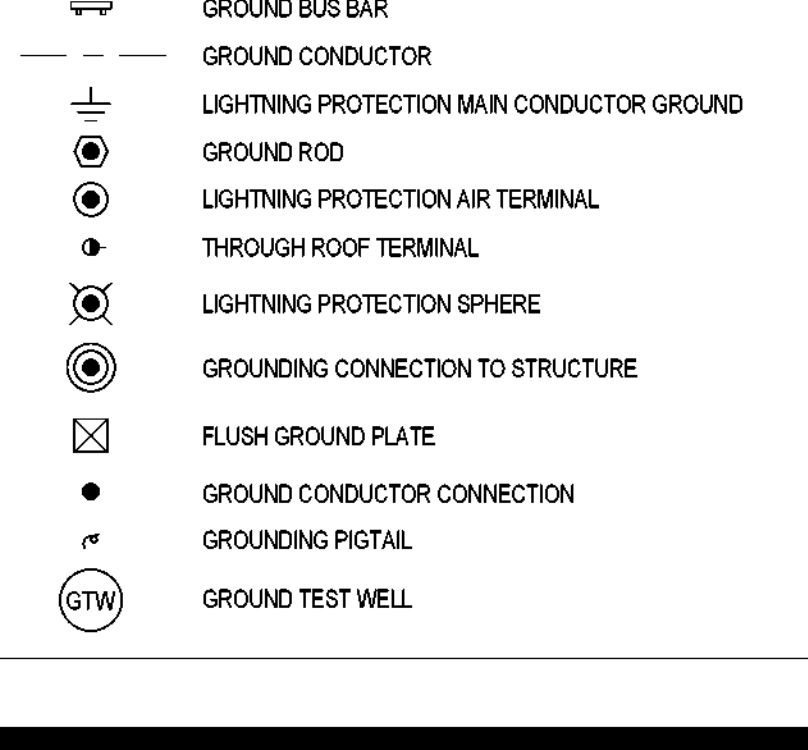
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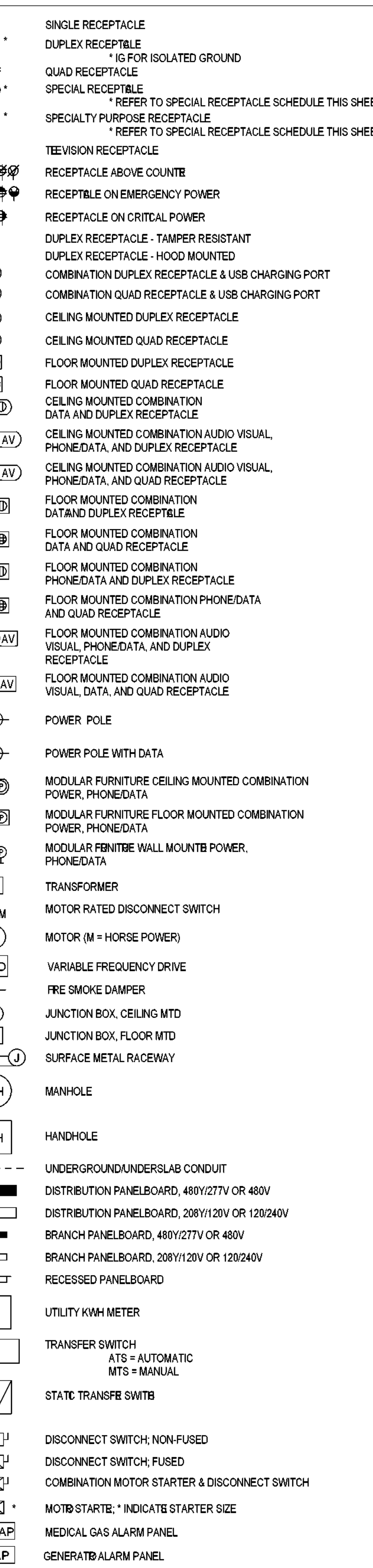
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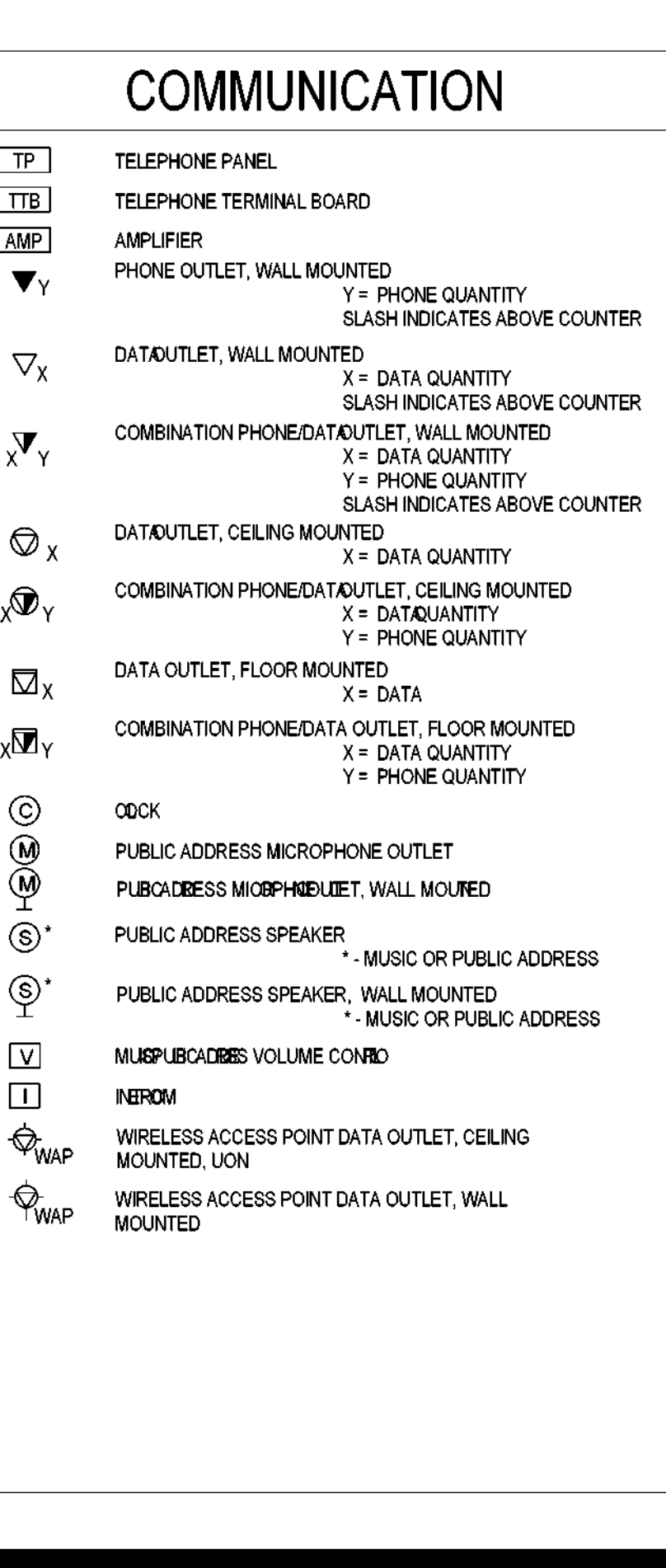
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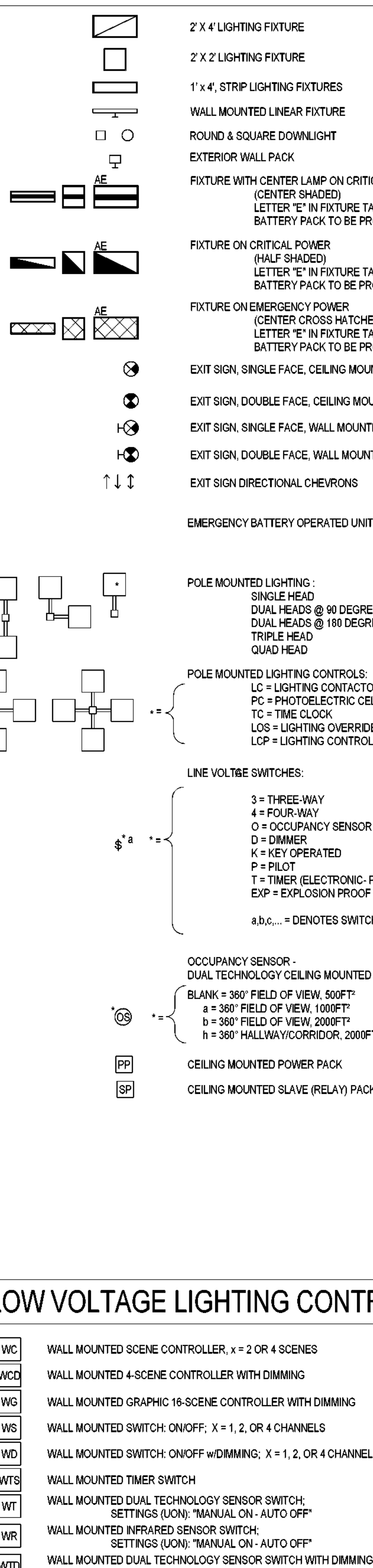
PLAN VIEW



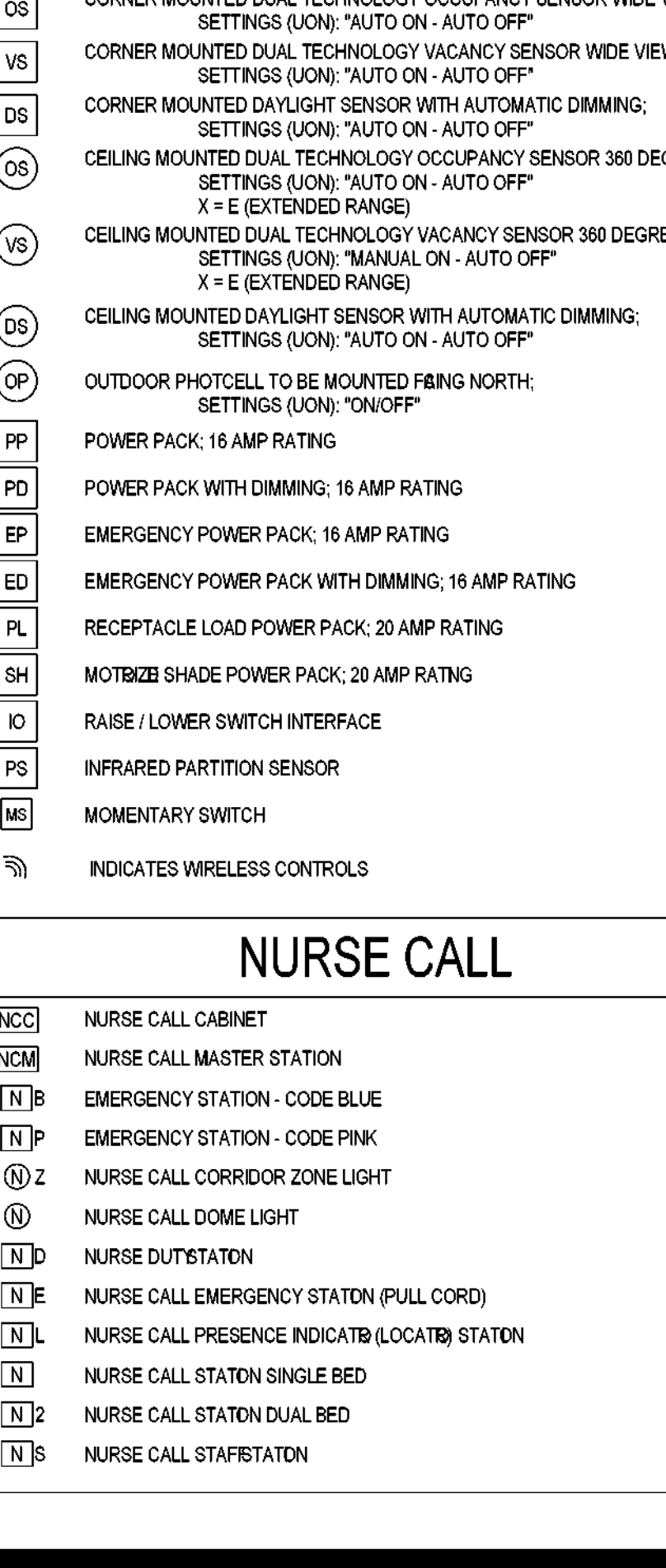
COMMUNICATION



LIGHTING



LOW VOLTAGE LIGHTING CONTROLS



ABBREVIATIONS

Table with columns: ABBREV, DESCRIPTION, ABBREV, DESCRIPTION. Lists various electrical symbols and their corresponding descriptions.

ABBREVIATIONS

Table with columns: ABBREV, DESCRIPTION, ABBREV, DESCRIPTION. Continuation of the abbreviations table.

GENERAL NOTES

1. ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT APPEAR ON THIS SET OF DRAWINGS. 2. THE GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS UNDER THIS CONTRACT. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL NOTES. 3. ALL ELECTRICAL WORK AND MATERIAL IS NEW AND PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. 4. THE CONTRACT DRAWINGS ARE DIAGNOSTIC IN NATURE AND VERIFY ALL CONDITIONS OR EXACT LOCATION OF EQUIPMENT AND/OR CONDUIT IS SHOWN. NOT ALL CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO ORDERING ANY MATERIAL OR PERFORMING ANY WORK. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

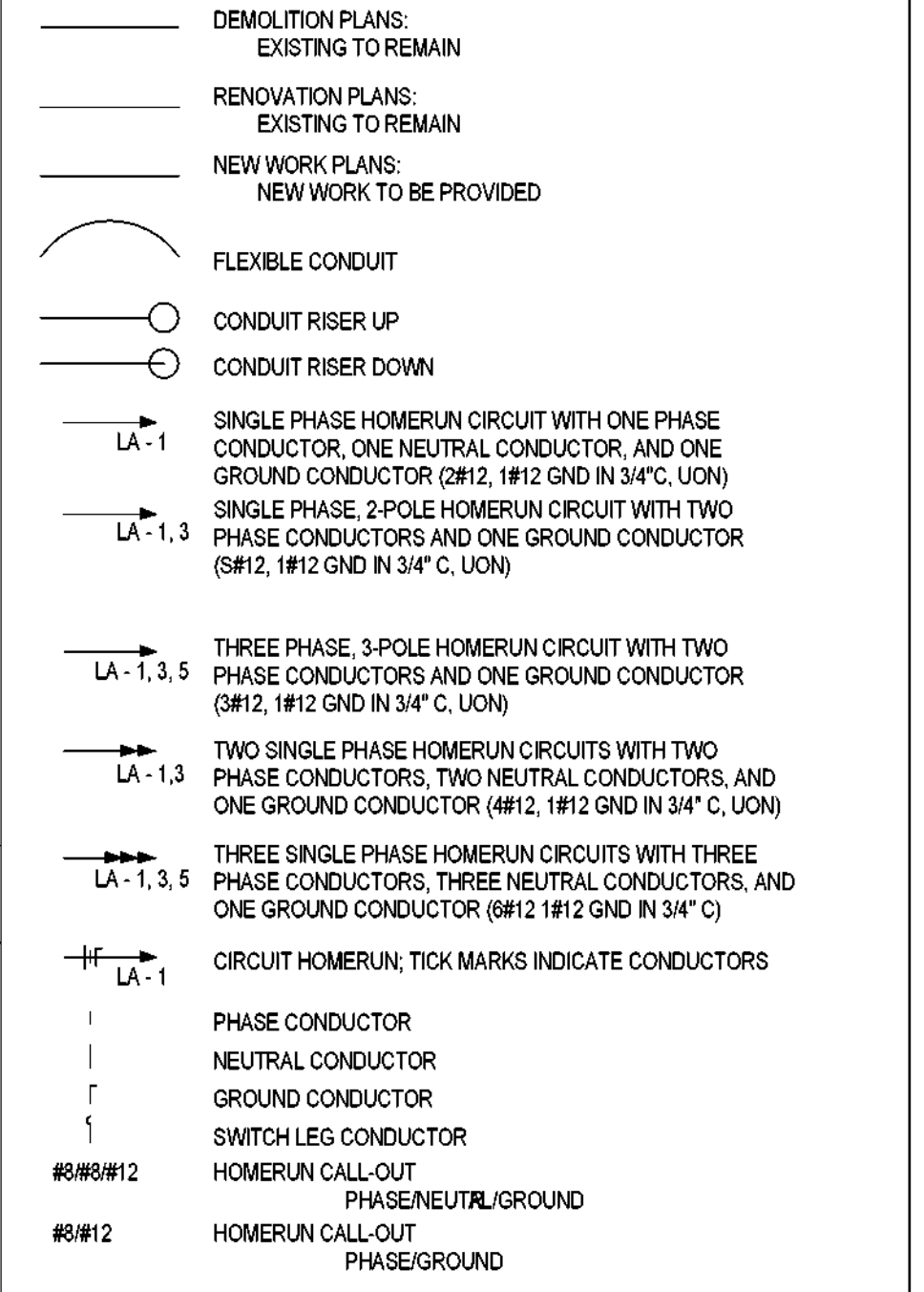
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APPLICABLE CODES & STANDARDS

- INTERNATIONAL BUILDING CODE - 2021 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE - 2021 EDITION
NATIONAL ELECTRICAL CODE - 2020 EDITION
INTERNATIONAL FIRE CODE - 2021 EDITION

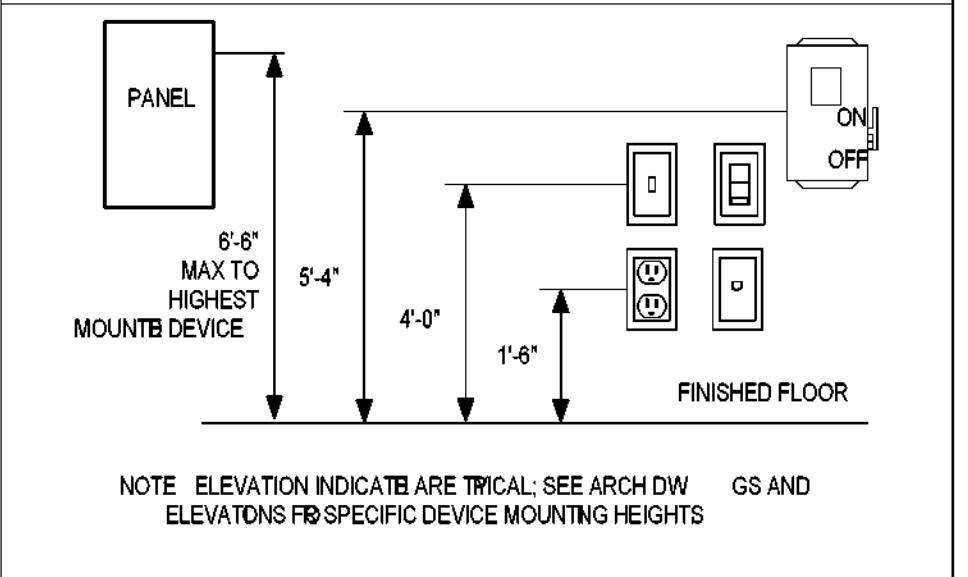
GRAPHIC LINE AND HOMERUN



GENERAL DEMOLITION NOTES

- 1. DRAWINGS ARE BASED ON EXISTING BUILDING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. 2. VISIT THE SITE PRIOR TO COMMENCING WORK TO DETERMINE THE EXISTING SITE CONDITIONS. 3. CONFIRM THE LOCATIONS OF EXISTING UTILITIES AND SERVICES WITHIN THE INDICATED CONSTRUCTION AREA. 4. DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION OF THE NORMAL DAY TO DAY FUNCTIONS WITHIN THE AREAS TO REMAIN IN OPERATION. 5. GENERAL SCOPE OF ELECTRICAL DEMOLITION CONSISTS OF DISCONNECTING AND REMOVING ALL LUMINAIRES, WIRING DEVICES, EQUIPMENT, BRANCH CIRCUIT WIRING AND CONDUIT WITHIN THE BOUNDARIES OF THE DEMOLITION AREA. 6. WHERE EQUIPMENT OR DEVICES ARE NOTED AS 'REMOVE', REMOVE ALL CONDUCTORS ASSOCIATED WITH THESE ITEMS TO THE LAST ACTIVE ITEM ON THE CIRCUIT. 7. EXISTING JUNCTION BOXES TO REMAIN SHALL HAVE COVERS. 8. FLOURESCENT AND HID LIGHTING REMOVED DURING DEMOLITION SHALL BE ASSUMED TO HAVE COMPONENTS THAT CONSTITUTE HAZARDOUS WASTE. 9. EXISTING JUNCTION BOXES TO REMAIN SHALL HAVE COVERS. 10. FLOURESCENT AND HID LIGHTING REMOVED DURING DEMOLITION SHALL BE ASSUMED TO HAVE COMPONENTS THAT CONSTITUTE HAZARDOUS WASTE. 11. ANY OPENINGS CREATED IN A FIRE OR SMOKE RATED WALL BY PROVISION OR REMOVAL OF ANY ELECTRICAL DEVICE OR CONDUIT SHALL BE SEALED AFTER THE WORK IS COMPLETED WITH A LA APPROVED FIRE/SMOKE SEALANT APPROPRIATE TO RE-ESTABLISH THE PREVIOUS RATING OF THE WALL. SEE ARCHITECTURAL PLANS FOR FIRE RATED WALLS/FLOORS AND THEIR RATING.

ELECTRICAL DEVICE MOUNTING HEIGHT



LUMINAIRE SCHEDULE table with columns: Type, LITE Designation, Manufacturer, Catalog Number, Lamps, Volts, Input, Mounting Type, Notes.

CITY OF DALLAS APPROVAL STAMP FOR BUILDING INSPECTION

CITY OF DALLAS APPROVAL STAMP FOR BUILDING INSPECTION

Table with columns: DALLAS ISD ORGANIZATION, DALLAS ISD DEPT / DIV / GROUP, BUILDING SYSTEMS, DESCRIPTION: EQUIPMENT & DEVICES, EQUIPMENT & DEVICES, PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL., EQUIPMENT & DEVICES, PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL., POWER. Updated: June 18, 2021

Table with columns: DALLAS ISD ORGANIZATION, DALLAS ISD DEPT / DIV / GROUP, BUILDING SYSTEMS, DESCRIPTION: EQUIPMENT & DEVICES, EQUIPMENT & DEVICES, PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL., EQUIPMENT & DEVICES, PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL., POWER. Updated: June 18, 2021

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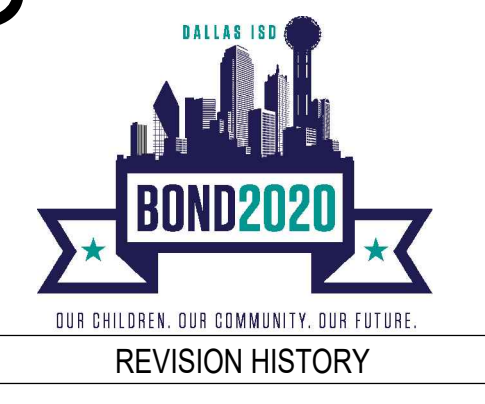
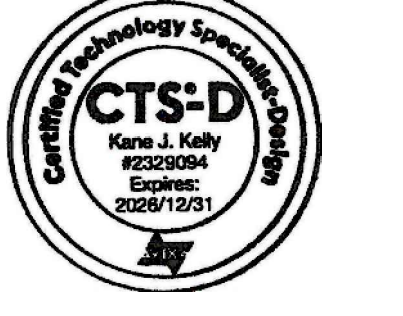


Table with columns: REVISION, DESCRIPTION, DATE



AV INFRASTRUCTURE - RESPONSIBILITY MATRIX. DRAWN BY: AN, CHECKED BY: Checker, PROJECT NUMBER: 32AC2037, PROJECT ABBREVIATION: ABBREV, ORIGINAL ISSUE DATE: 12 JULY 2024, 100% ISSUE FOR CONSTRUCTION

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REVISION HISTORY

CITY OF DALLAS
APPROVAL STAMP FOR
BUILDING INSPECTION

CITY OF DALLAS
APPROVAL STAMP FOR
BUILDING INSPECTION

FLOOR PLAN GENERAL NOTES

GENERAL NOTES:

1.) CONTRACTOR TO REMOVE ALL EXISTING PAGING SPEAKERS AND REPLACE WITH NEW PAGING SYSTEM AS REQUIRED BY CURRENT DISD PAGING SYSTEM STANDARDS. VALCOM IS APPROVED AS SOLUTION FOR PAGING. PAGING VENDOR IS TO PROVIDE TURN KEY SOLUTION AND PROVIDE REQUIRED NETWORK SWITCHES.

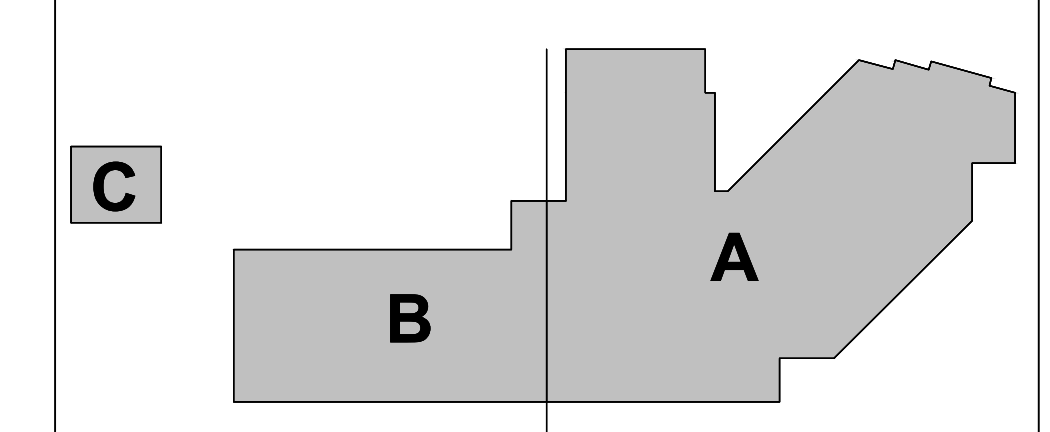
PROVIDE PHONE CONSOLE IN THE PRINCIPAL'S OFFICE.

PROVIDE PHONE CONSOLE WITH PTT MICROPHONE IN RECEPTION AREA.

- All new PA systems should be Valcom only.
- o The Valcom VL 522 Display (digital clock & speaker) shall be used in hallways IF installed within 80 feet spacing.
 - o The Valcom VL 520 Display shall be used in classrooms, and reception.
 - o The Valcom VL 550 Display shall be used in Gym, Auditorium, Library Kitchen & Cafeteria
 - o A Valcom VE2973 call button shall be installed in reception.
 - o One Valcom interactive console VE8092 in reception
 - o One Valcom interactive console phone in principal's office
 - o One Valcom back up phone w/tabletop in reception.
 - o Install a connective Bluetooth (Denon D3002 only) rack mounted for new PA systems.
 - o Contact DISD Valcom Rep at 314.330.8999 (Tim Hager) for questions regarding DISD equipment
 - o Upon demolition of existing PA return all existing equipment (except wiring) to DISD maintenance

KEYED NOTES

NUMBER	DESCRIPTION
KEYED NOTES:	
①	PROVIDE MUDRING AND/OR BOX FOR PAGING CALL SWITCH AS REQUIRED AT CLASSROOMS.
②	PROVIDE MUDRING AND/OR BOX FOR VOLUME CONTROL AS REQUIRED AT OFFICES.
③	PROVIDE MUTE SHUT-OFF TO AUDITORIUM SOUND SYSTEM FOR PAGING SYSTEM OVERRIDE.
④	DEDICATED VESTIBULE ZONE



(NOT TO SCALE)

KEY PLAN

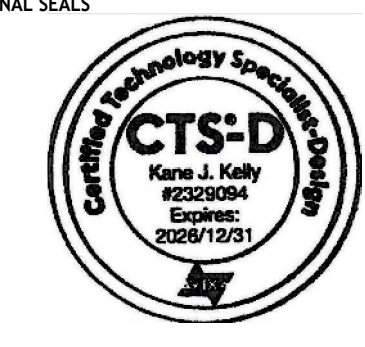


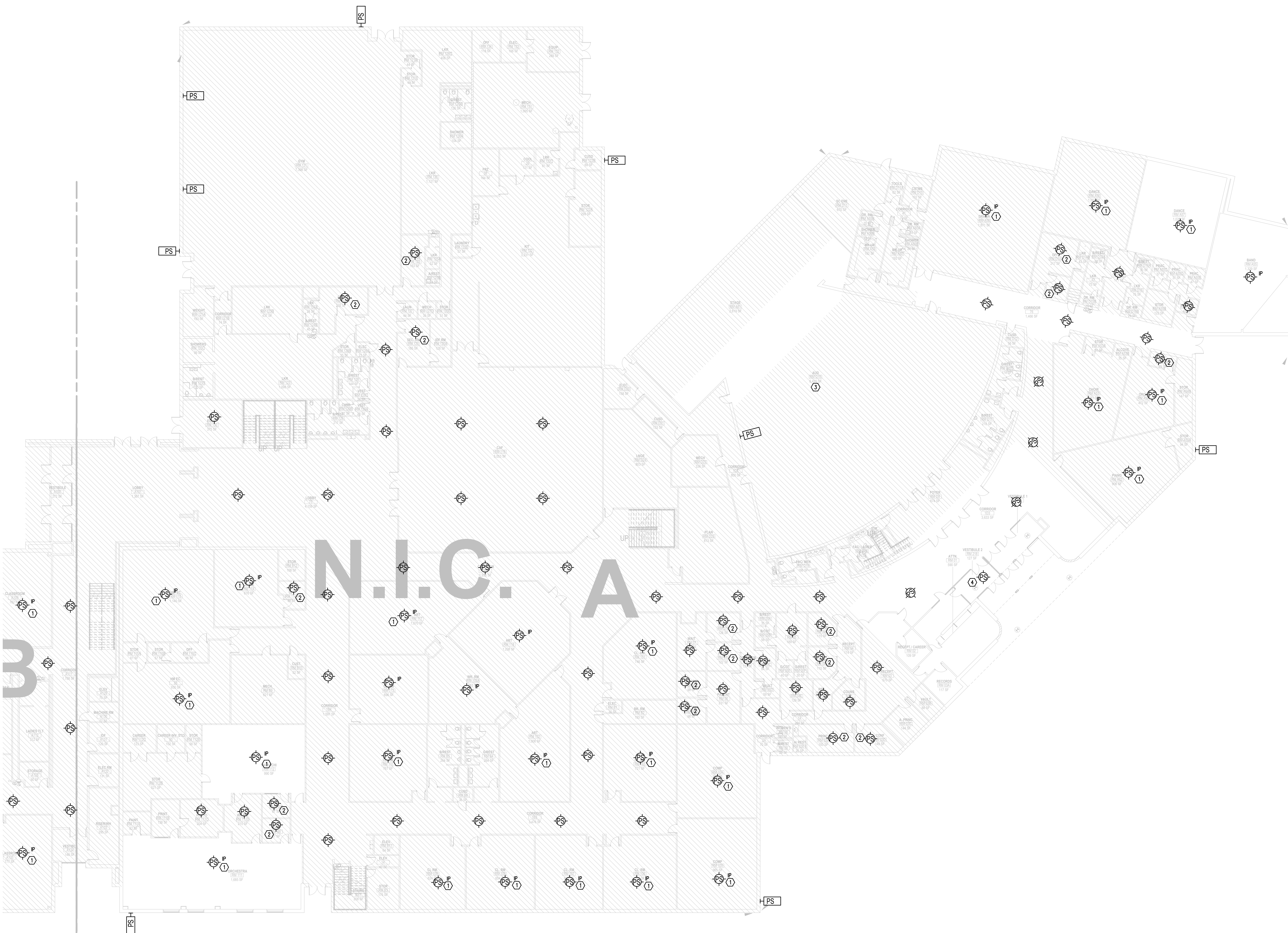
1 AV INFRASTRUCTURE - OVERALL FLOOR PLAN - LEVEL 01
SCALE: 3/64" = 1'-0"

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AV INFRASTRUCTURE - OVERALL FLOOR PLAN - LEVEL 01
DRAWN BY AN CHECKED BY Checker
PROJECT NUMBER 32AC2037 PROJECT ABBREVIATION ABBREV
ORIGINAL ISSUE DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

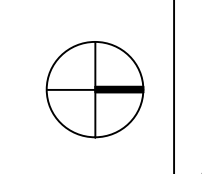
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SHEET NUMBER



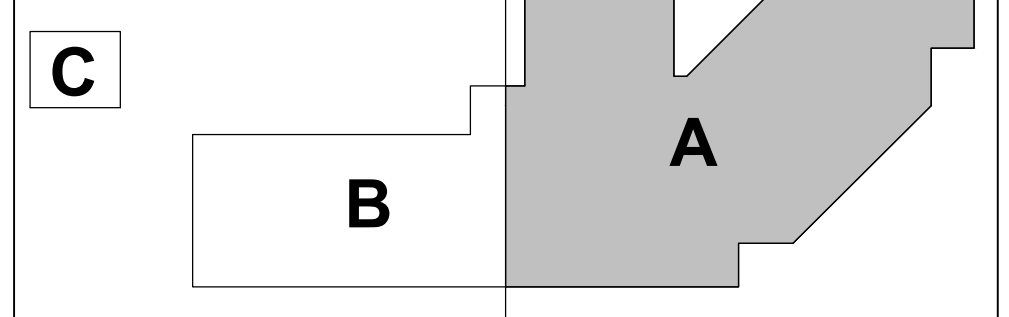


N.I.C. A

B



1 AV INFRASTRUCTURE - FLOOR PLAN - LEVEL 01 - AREA A
SCALE: 1/16" = 1'-0"



(NOT TO SCALE) KEY PLAN

CITY OF DALLAS
APPROVAL STAMP FOR
BUILDING INSPECTION

CITY OF DALLAS
APPROVAL STAMP FOR
BUILDING INSPECTION

FLOOR PLAN GENERAL NOTES

GENERAL NOTES:
1.) CONTRACTOR TO REMOVE ALL EXISTING PAGING SPEAKERS AND REPLACE WITH NEW PAGING SYSTEM AS REQUIRED BY CURRENT DISD PAGING SYSTEM STANDARDS. VALCOM IS APPROVED AS SOLUTION FOR PAGING. PAGING VENDOR IS TO PROVIDE TURN KEY SOLUTION AND PROVIDE REQUIRED NETWORK SWITCHES.

KEYED NOTES

- | NUMBER | DESCRIPTION |
|---------------------|--|
| KEYED NOTES: | |
| ① | PROVIDE MUDRING AND/OR BOX FOR PAGING CALL SWITCH AS REQUIRED AT CLASSROOMS. |
| ② | PROVIDE MUDRING AND/OR BOX FOR VOLUME CONTROL AS REQUIRED AT OFFICES. |
| ③ | PROVIDE MUTE SHUT-OFF TO AUDITORIUM SOUND SYSTEM FOR PAGING SYSTEM OVERRIDE. |
| ④ | DEDICATED VESTIBULE ZONE |

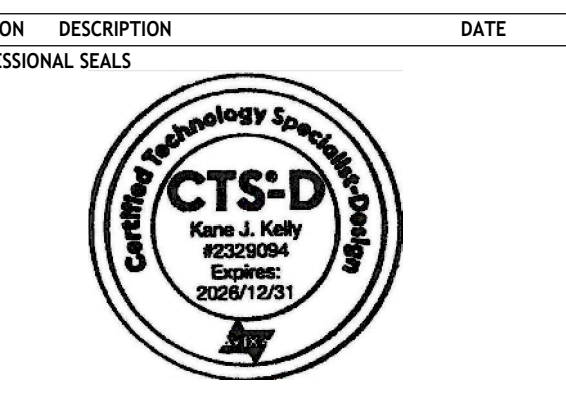
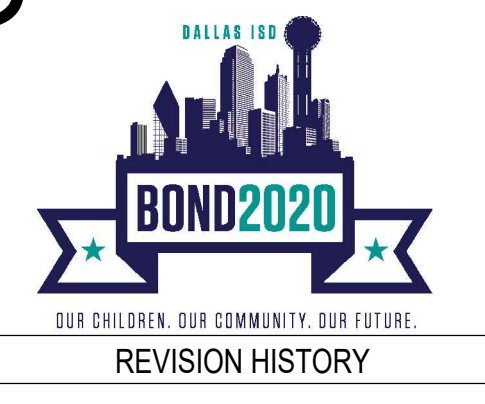
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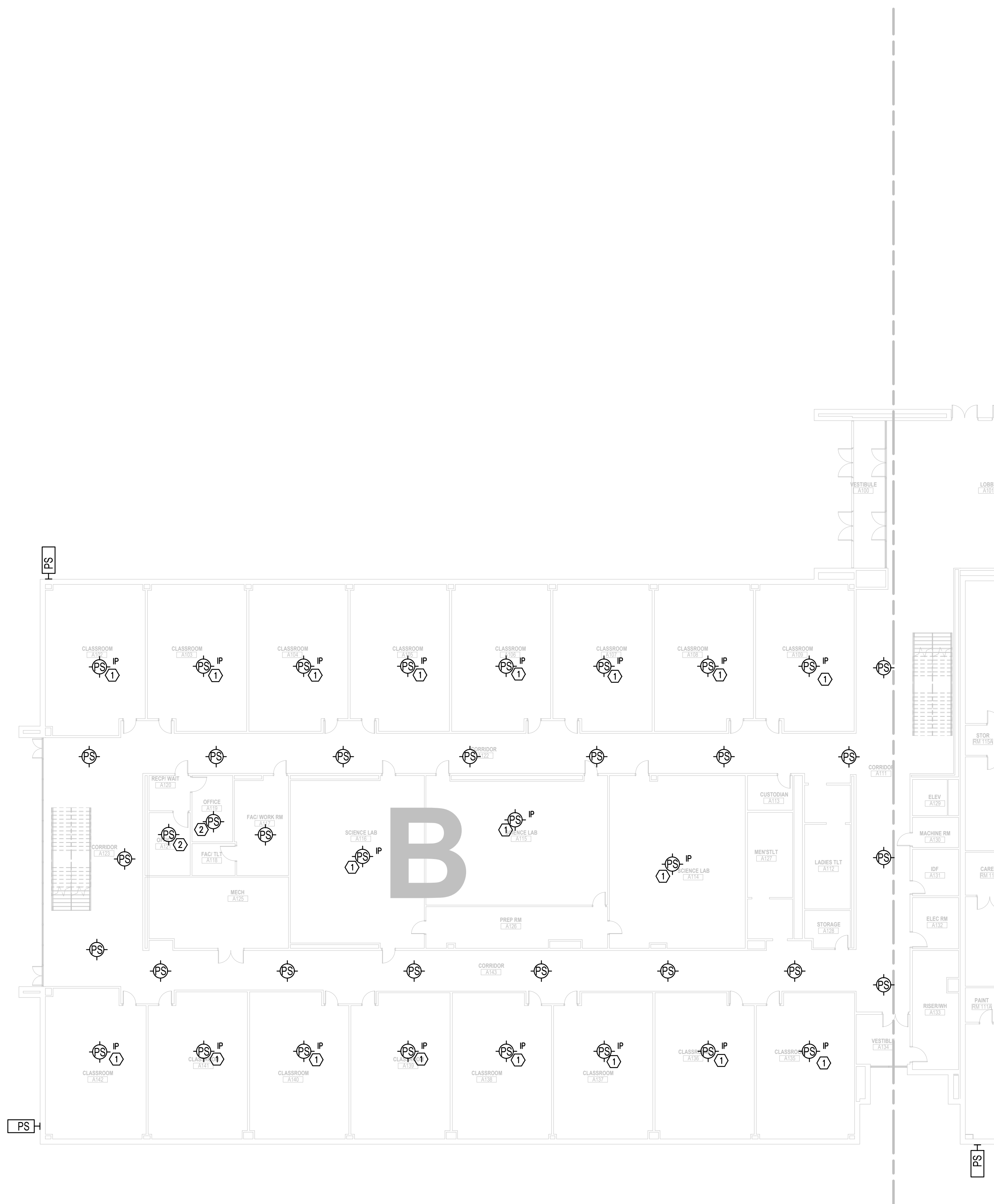
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AV INFRASTRUCTURE - FLOOR PLAN - LEVEL 01 - AREA A
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PROJECT NUMBER: 32AC2037 PROJECT ABBREVIATION: ABBREV
ORIGINAL ISSUE DATE: 12 JULY 2024
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AVI-101-A
SHEET NUMBER



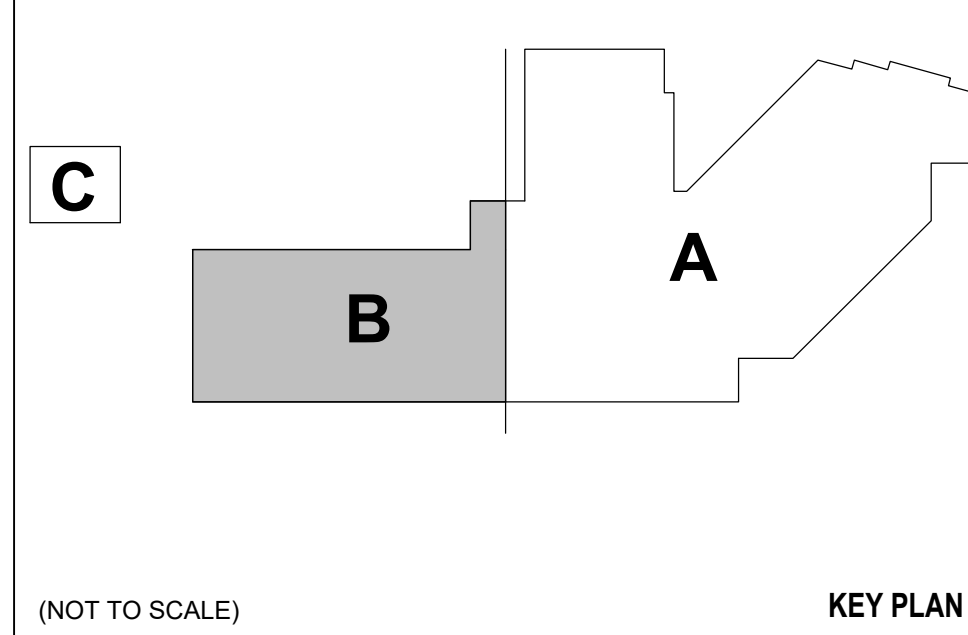
FLOOR PLAN GENERAL NOTES

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BUILDING INSPECTION

CITY OF DALLAS
APPROVAL STAMP FOR
BUILDING INSPECTION

KEYED NOTES

NUMBER	DESCRIPTION
KEYED NOTES:	
①	PROVIDE MUDRING AND/OR BOX FOR PAGING CALL SWITCH AS REQUIRED AT CLASSROOMS.
②	PROVIDE MUDRING AND/OR BOX FOR VOLUME CONTROL AS REQUIRED AT OFFICES.
③	PROVIDE MUTE SHUT-OFF TO AUDITORIUM SOUND SYSTEM FOR PAGING SYSTEM OVERRIDE.
④	DEDICATED VESTIBULE ZONE



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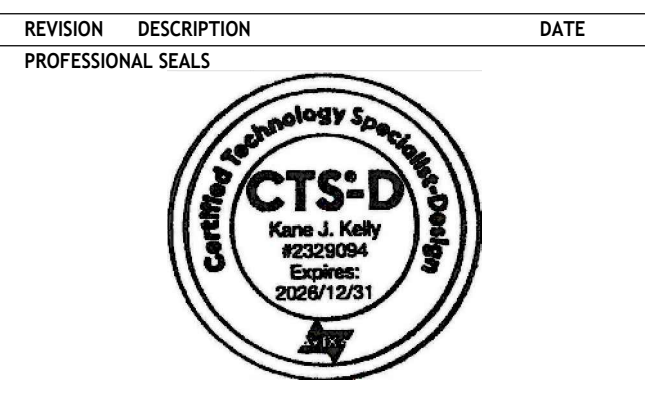


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AV INFRASTRUCTURE - YMCA FLOOR PLAN - LEVEL 01 - AREA C

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SHEET NUMBER

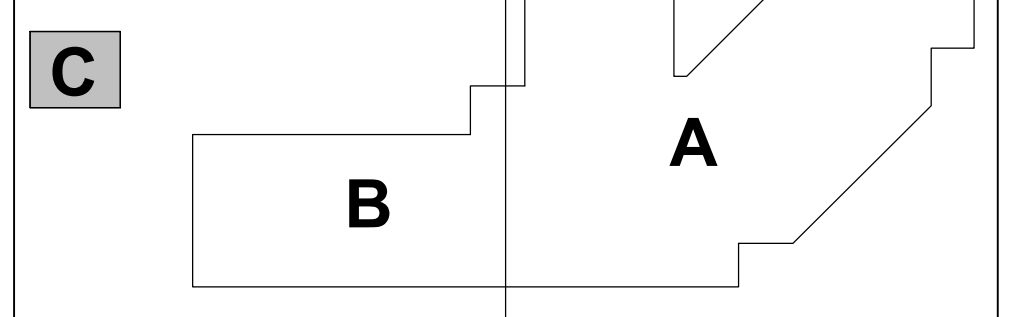
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APPROVAL STAMP FOR
BUILDING INSPECTION

FLOOR PLAN GENERAL NOTES

KEYED NOTES

- | NUMBER | DESCRIPTION |
|---------------------|--|
| KEYED NOTES: | |
| ① | PROVIDE MUDRING AND/OR BOX FOR PAGING CALL SWITCH AS REQUIRED AT CLASSROOMS. |
| ② | PROVIDE MUDRING AND/OR BOX FOR VOLUME CONTROL AS REQUIRED AT OFFICES. |



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KEY PLAN



2 AV INFRASTRUCTURE - YMCA FLOOR PLAN - LEVEL 01 - AREA C
SCALE: 1/8" = 1'-0"

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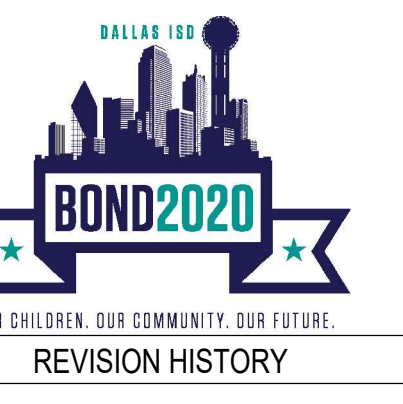
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AV INFRASTRUCTURE - OVERALL FLOOR PLAN - LEVEL 02

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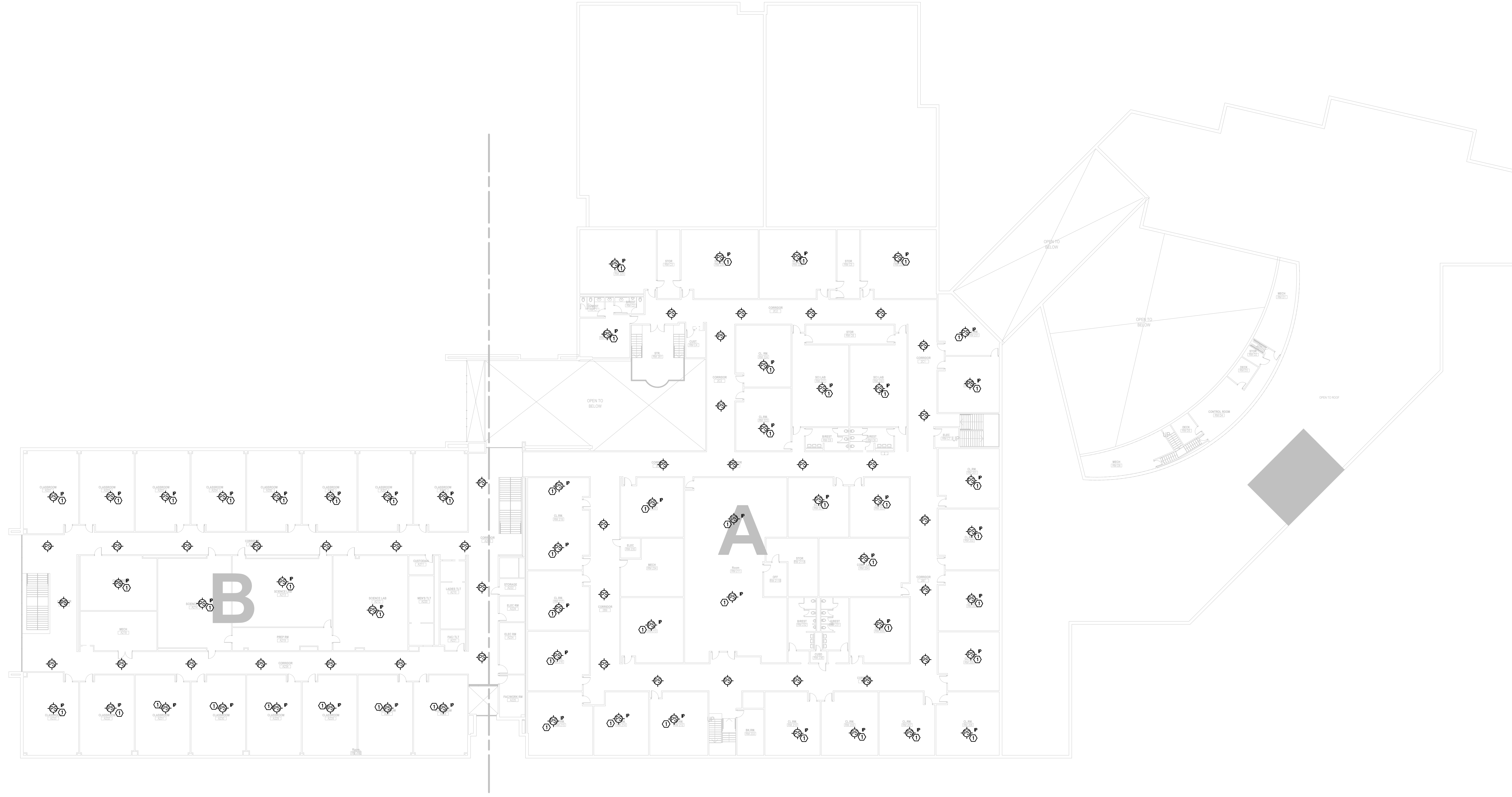
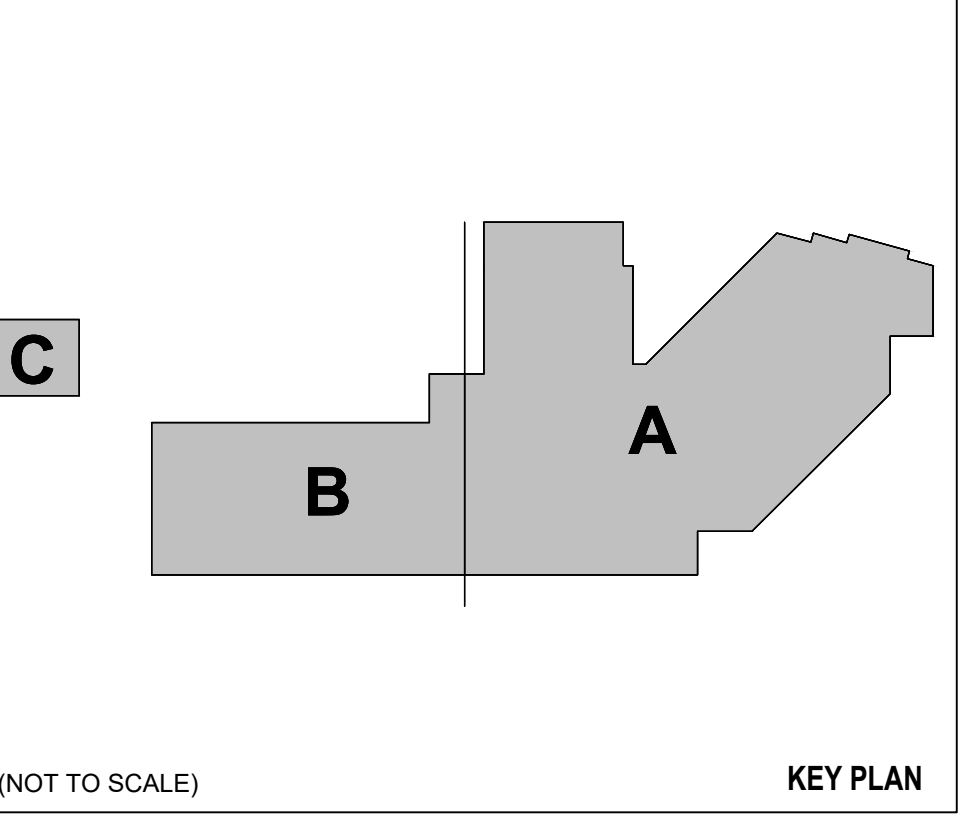
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FLOOR PLAN GENERAL NOTES

GENERAL NOTES:
1.) CONTRACTOR TO REMOVE ALL EXISTING PAGING SPEAKERS AND REPLACE WITH NEW PAGING SYSTEM AS REQUIRED BY CURRENT DISD PAGING SYSTEM STANDARDS. VALCOM IS APPROVED AS SOLUTION FOR PAGING. PAGING VENDOR IS TO PROVIDE TURN KEY SOLUTION AND PROVIDE REQUIRED NETWORK SWITCHES.

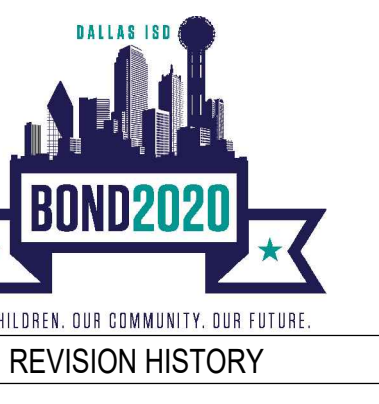
KEYED NOTES

NUMBER	DESCRIPTION
1	PROVIDE MUDRING AND/OR BOX FOR PAGING CALL SWITCH AS REQUIRED AT CLASSROOMS.
2	PROVIDE MUDRING AND/OR BOX FOR VOLUME CONTROL AS REQUIRED AT OFFICES.



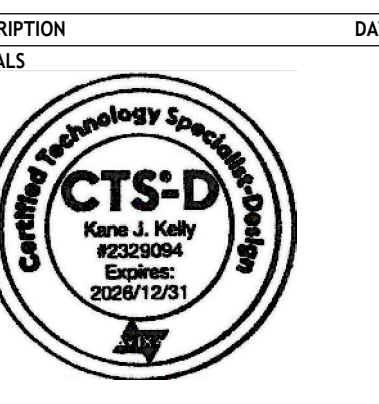
1 AV INFRASTRUCTURE - OVERALL FLOOR PLAN - LEVEL 02
SCALE: 3/64" = 1'-0"

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AV INFRASTRUCTURE - FLOOR PLAN - LEVEL 02 - AREA A

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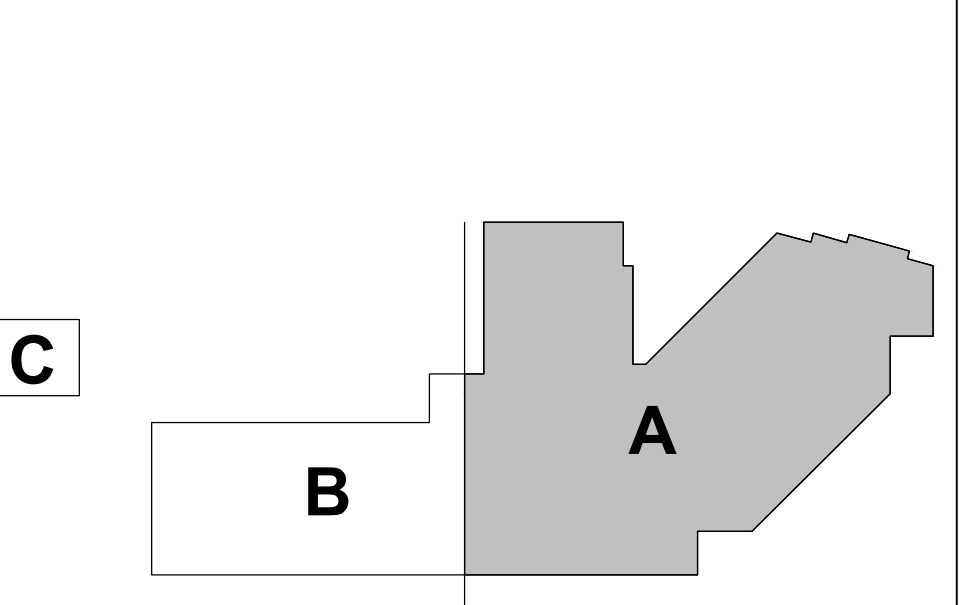
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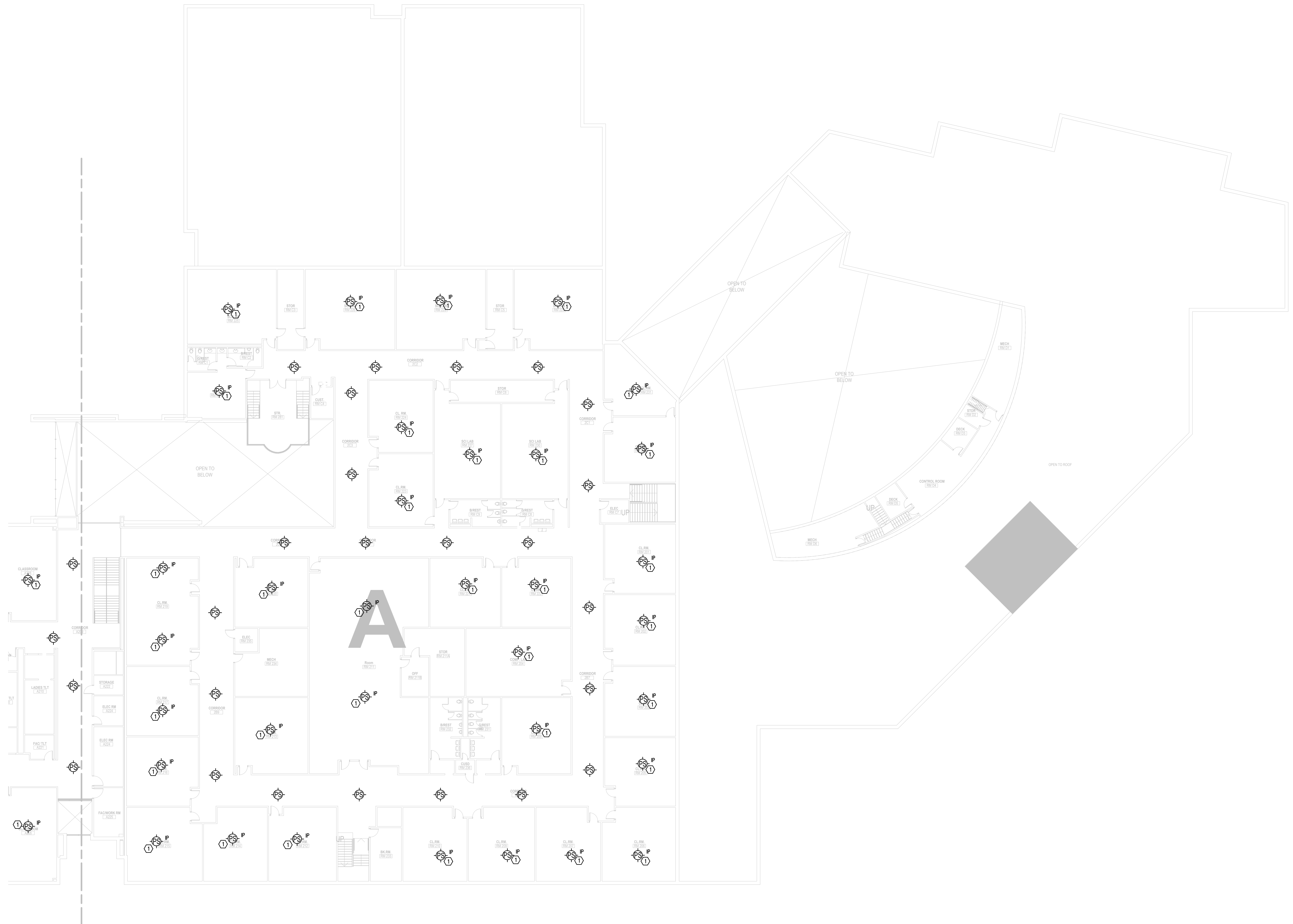
FLOOR PLAN GENERAL NOTES

KEYED NOTES

NUMBER	DESCRIPTION
<u>KEYED NOTES:</u>	
①	PROVIDE MUDRING AND/OR BOX FOR PAGING CALL SWITCH AS REQUIRED AT CLASSROOMS.
②	PROVIDE MUDRING AND/OR BOX FOR VOLUME CONTROL AS REQUIRED AT OFFICES.
③	PROVIDE MUTE SHUT-OFF TO AUDITORIUM SOUND SYSTEM FOR PAGING SYSTEM OVERRIDE.
④	DEDICATED VESTIBULE ZONE



(NOT TO SCALE) KEY PLAN



1 AV INFRASTRUCTURE - FLOOR PLAN - LEVEL 02 - AREA A
SCALE: 1/16" = 1'-0"

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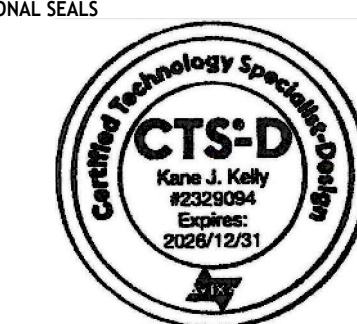
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AV INFRASTRUCTURE - FLOOR PLAN -
LEVEL 02 - AREA B

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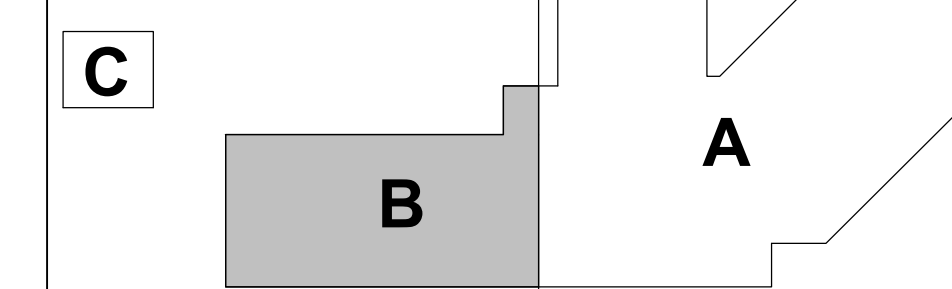
FLOOR PLAN GENERAL NOTES

KEYED NOTES

NUMBER DESCRIPTION

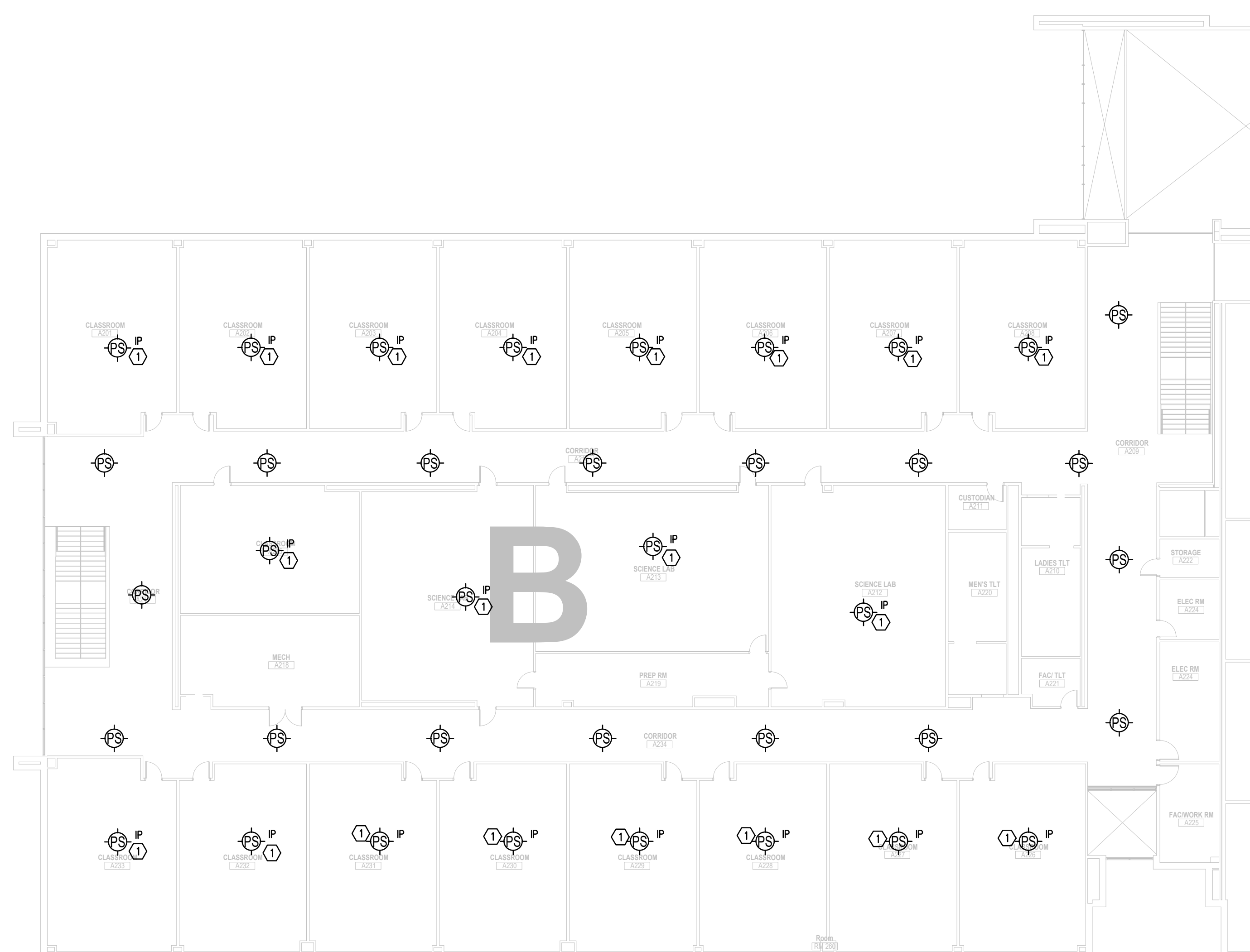
KEYED NOTES:

- ① PROVIDE MUDRING AND/OR BOX FOR PAGING CALL SWITCH AS REQUIRED AT CLASSROOMS.
- ② PROVIDE MUDRING AND/OR BOX FOR VOLUME CONTROL AS REQUIRED AT OFFICES.
- ③ PROVIDE MUTE SHUT-OFF TO AUDITORIUM SOUND SYSTEM FOR PAGING SYSTEM OVERRIDE.
- ④ DEDICATED VESTIBULE ZONE



(NOT TO SCALE)

KEY PLAN



1 AV INFRASTRUCTURE - FLOOR PLAN - LEVEL 02 - AREA B
SCALE: 1/16" = 1'-0"

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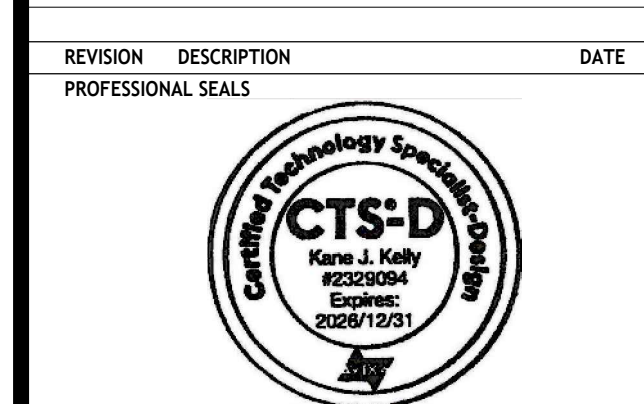
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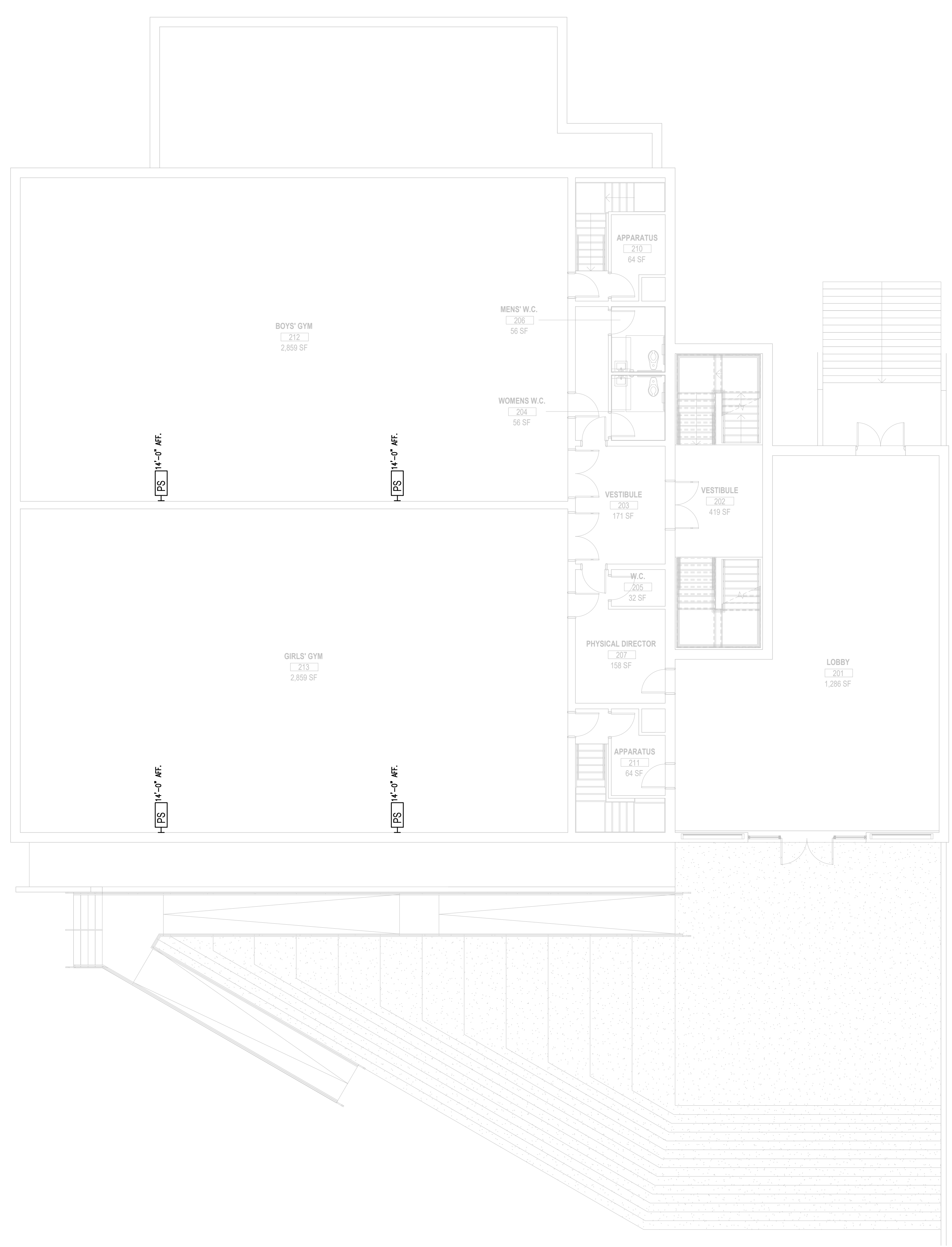
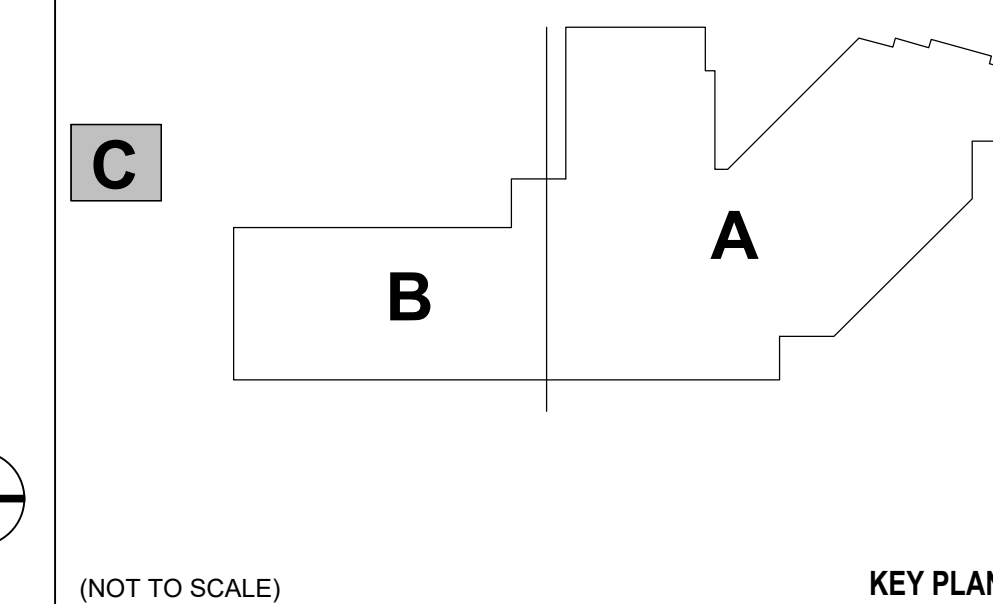
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FLOOR PLAN GENERAL NOTES

KEYED NOTES

NUMBER DESCRIPTION



2 AV INFRASTRUCTURE - YMCA FLOOR PLAN - LEVEL 02 - AREA C
SCALE: 1/8" = 1'-0"

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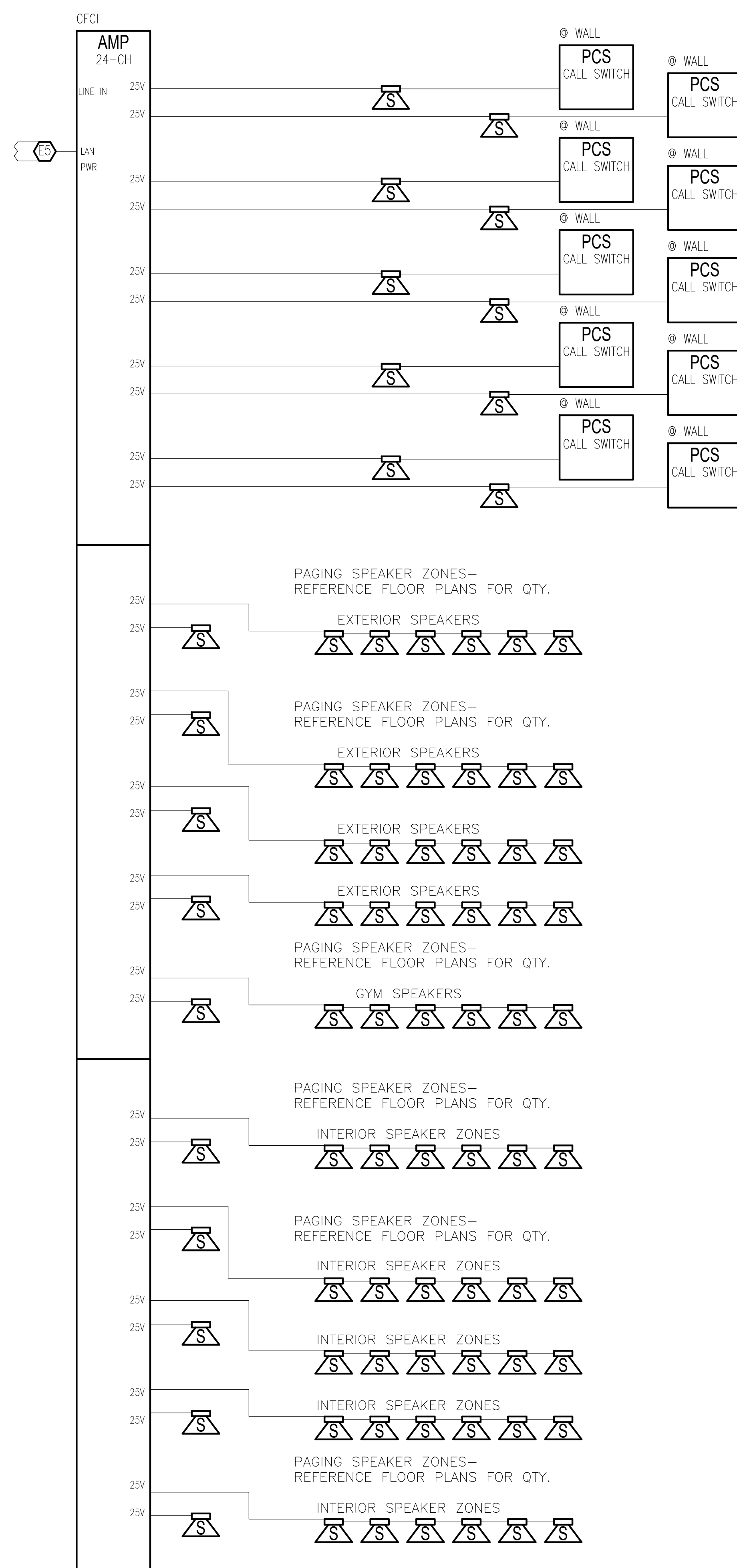
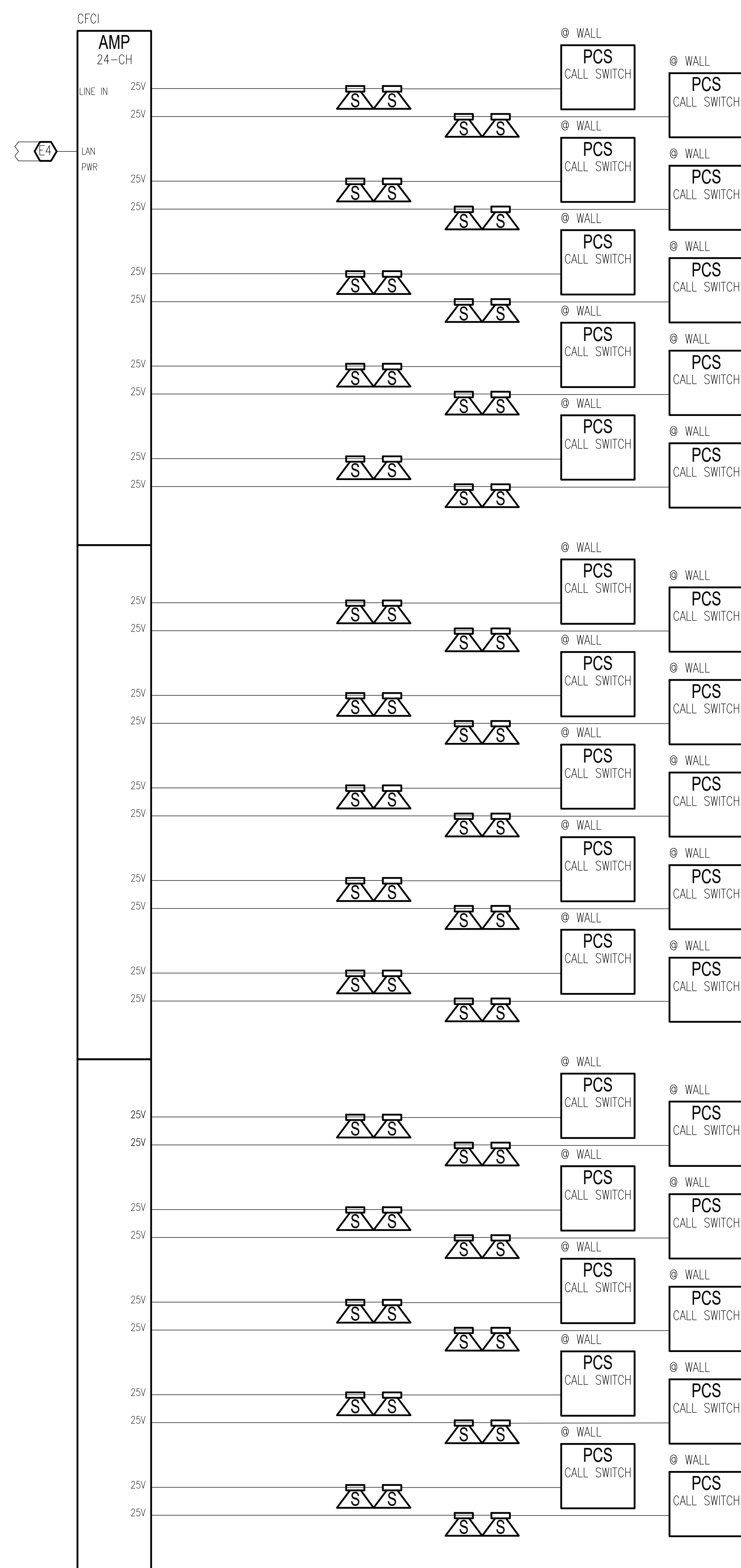


AV SYSTEMS - ONE-LINE DIAGRAMS

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ORIGINAL ISSUE DATE 12 JULY 2024
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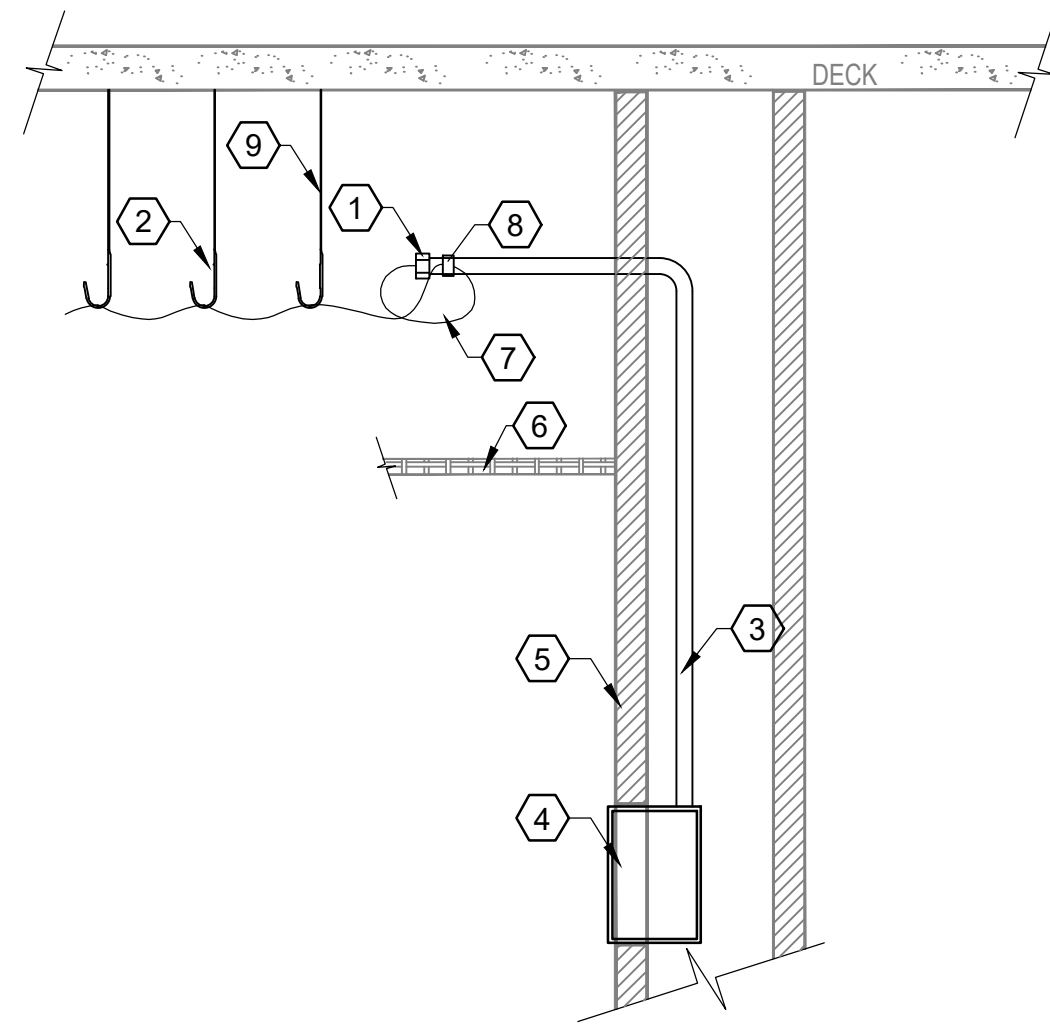
AVS-301
SHEET NUMBER

CLASSROOM PAGING SPEAKERS-
REFERENCE FLOOR PLANS FOR QTY.



KEYED NOTES:

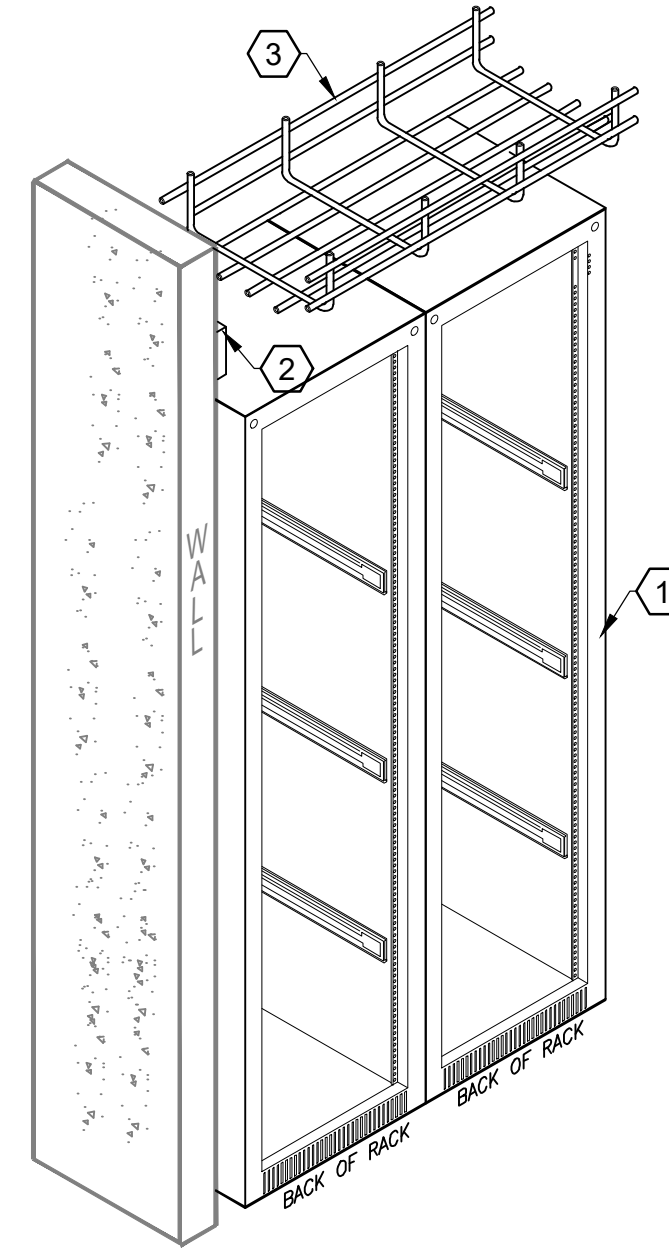
- ① INSULATED BUSHING.
- ② J-HOOK.
- ③ CONDUIT WITH PULL STRING.
- ④ WALL MOUNT BACK BOX.
- ⑤ WALL.
- ⑥ FINISHED CEILING.
- ⑦ 2' MINIMUM CABLE SLACK IN A LOOSE FIGURE "8" SHAPE.
- ⑧ VELCRO.
- ⑨ ALL THREAD ROD, SIZED APPROPRIATELY.



① TYPICAL CABLE MANAGEMENT DETAIL
SCALE: NOT TO SCALE

KEYED NOTES:

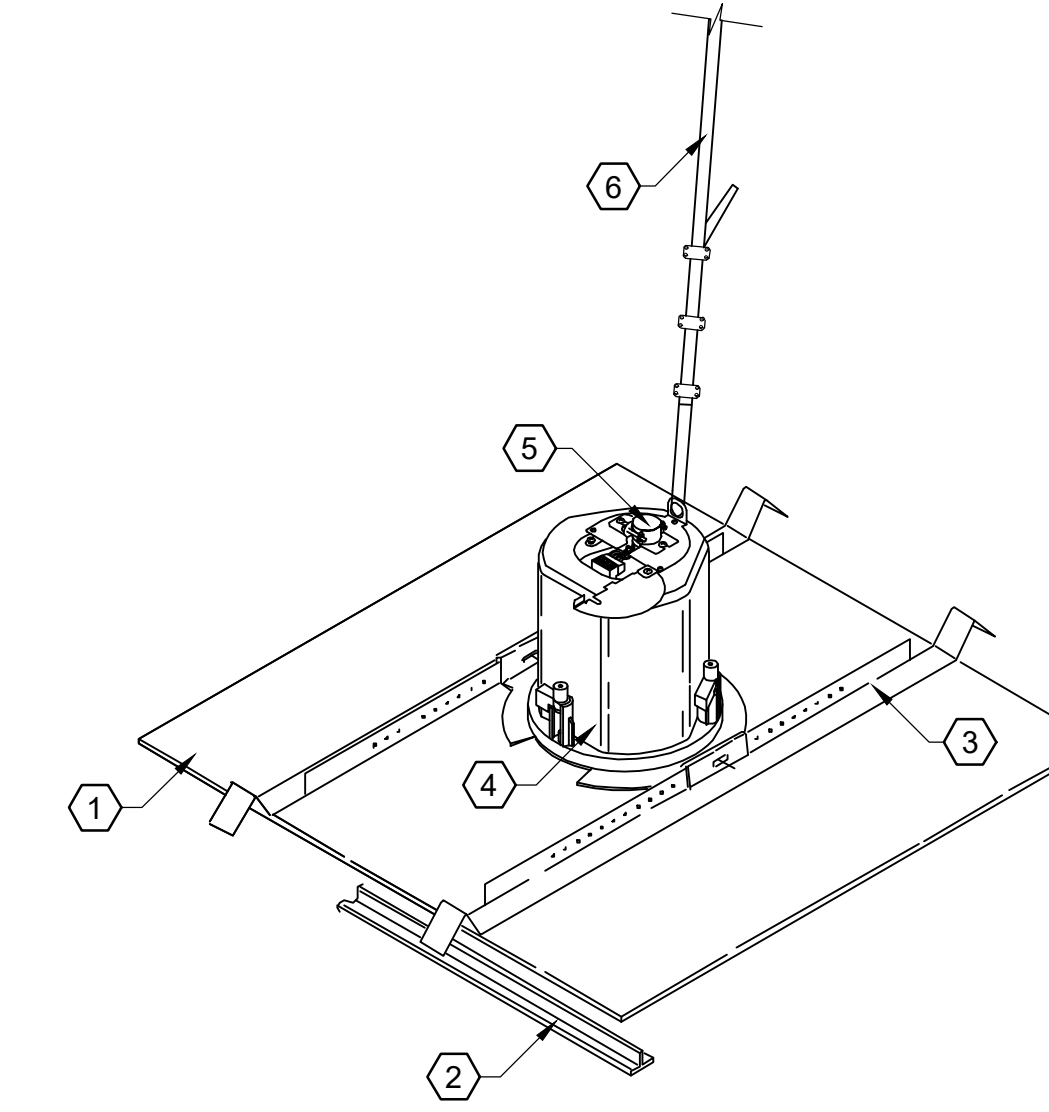
- ① AUDIOVISUAL EQUIPMENT RACK
- ② POWER AND DATA BY OTHERS
- ③ BASKET TRAY SUSPENDED FROM STRUCTURE ABOVE



② EQUIPMENT RACK DETAIL
SCALE: NOT TO SCALE

KEYED NOTES:

- ① 2X2 CEILING TILE
- ② CEILING TILE SUPPORT TRUSS
- ③ CEILING SPEAKER SUPPORT RAIL KIT
- ④ LOUDSPEAKER IN BACK CAN
- ⑤ SPEAKER CABLING ENTRANCE
- ⑥ SUPPORT TO STRUCTURE



③ RECESSED IN-CEILING SPEAKER (S) INFRASTRUCTURE DETAIL
SCALE: NOT TO SCALE

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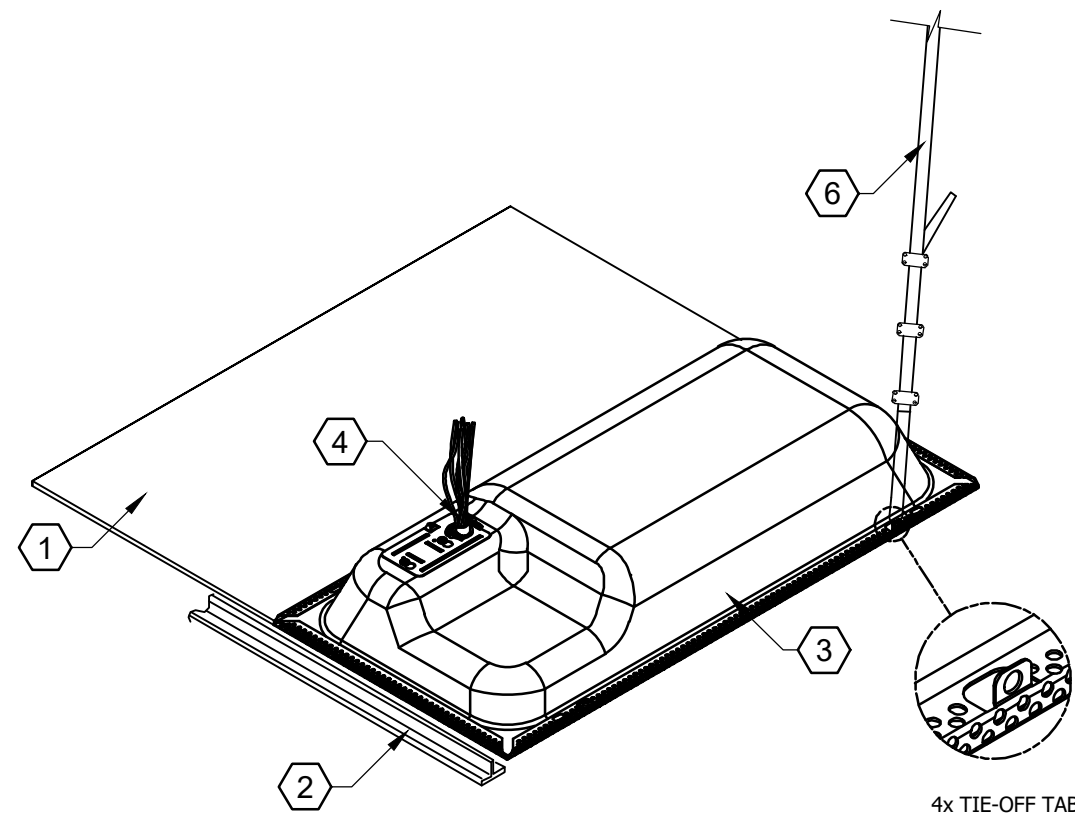
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KEYED NOTES:

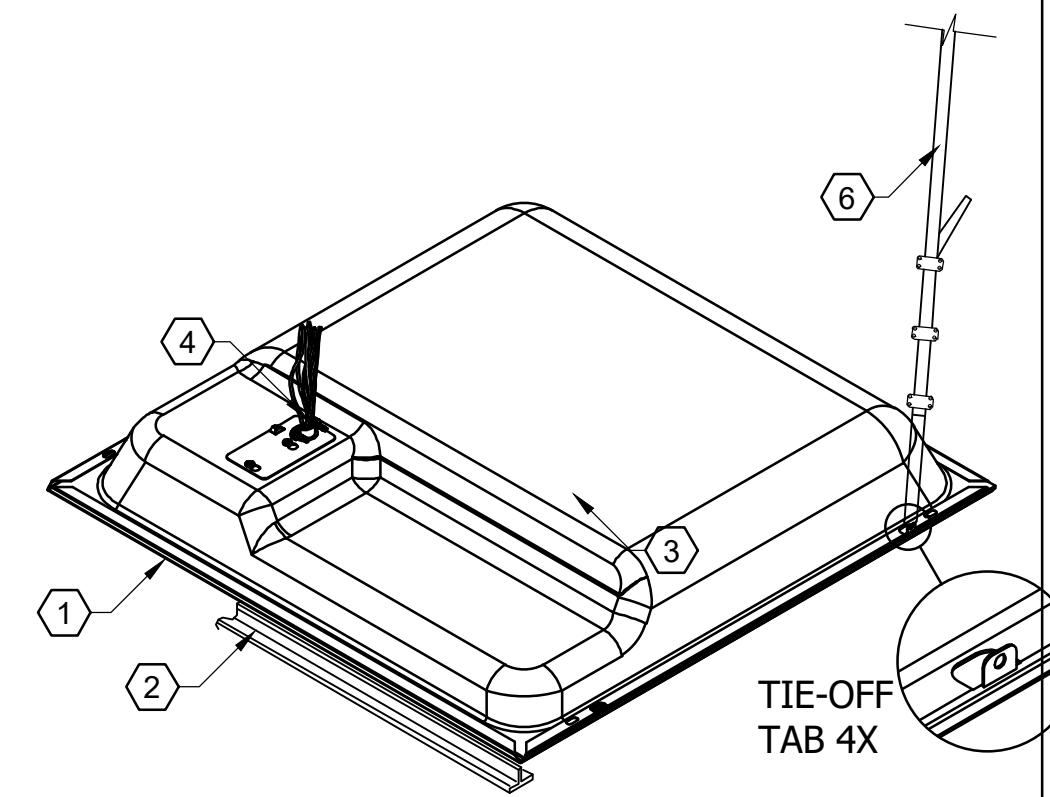
- ① 2X2 CEILING TILE CUT IN HALF
- ② CEILING TILE SUPPORT TRUSS
- ③ CEILING TILE LAY-IN SPEAKER ENCLOSURE
- ④ SPEAKER CABLING ENTRANCE
- ⑤ SUPPORT TO STRUCTURE



④ 1X2 CEILING TILE LAY-IN SPEAKER
SCALE: NOT TO SCALE

KEYED NOTES:

- ① COMPLETELY REMOVE EXISTING CEILING TILE
- ② CEILING TILE SUPPORT TRUSS
- ③ CEILING TILE LAY-IN SPEAKER ENCLOSURE
- ④ SPEAKER CABLING ENTRANCE
- ⑤ SUPPORT TO STRUCTURE



⑤ 2X2 CEILING TILE LAY-IN SPEAKER
SCALE: NOT TO SCALE

⑥ NOT USED
SCALE: NOT TO SCALE

⑦ NOT USED
SCALE: NOT TO SCALE

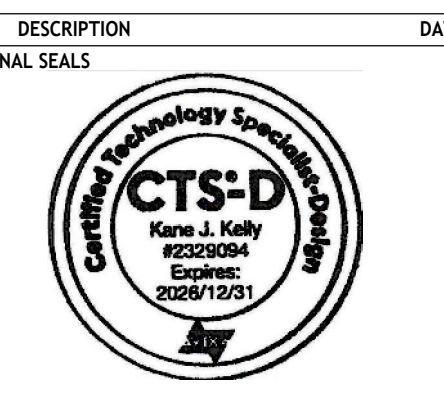
⑧ NOT USED
SCALE: NOT TO SCALE

⑨ NOT USED
SCALE: NOT TO SCALE

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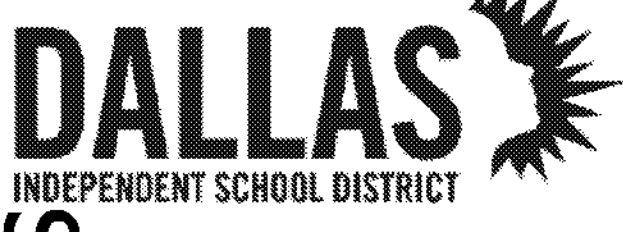
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PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION AVIBREV
ORIGINAL ISSUE	DATE 12 JULY 2024
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AVI-401
SHEET NUMBER

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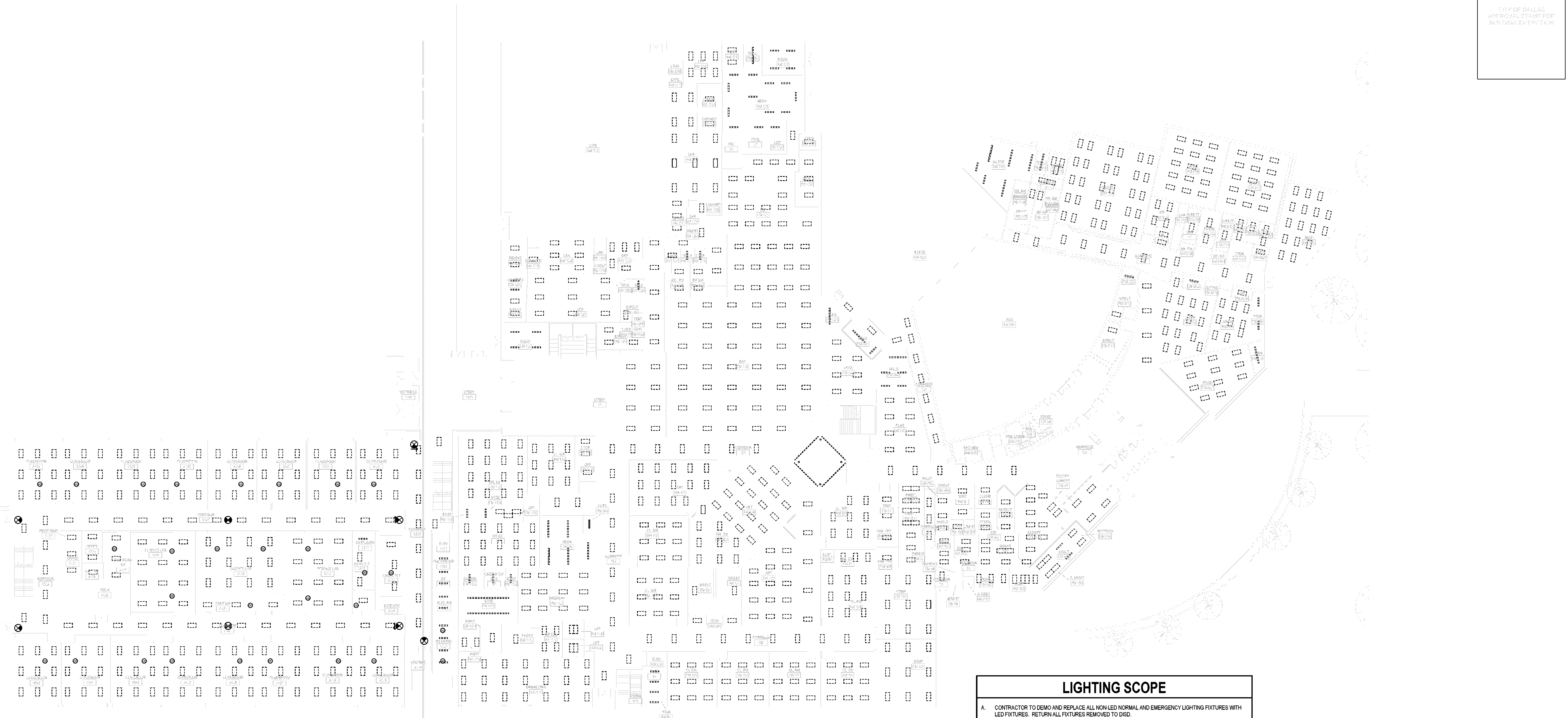
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ELECTRICAL DEMOLITION PLAN - LEVEL 01
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 ORIGINAL ISSUE: DATE: 12 JULY 2024
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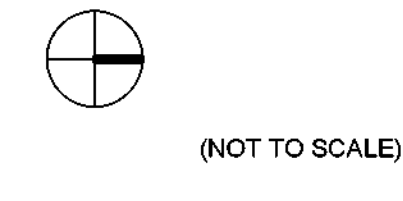
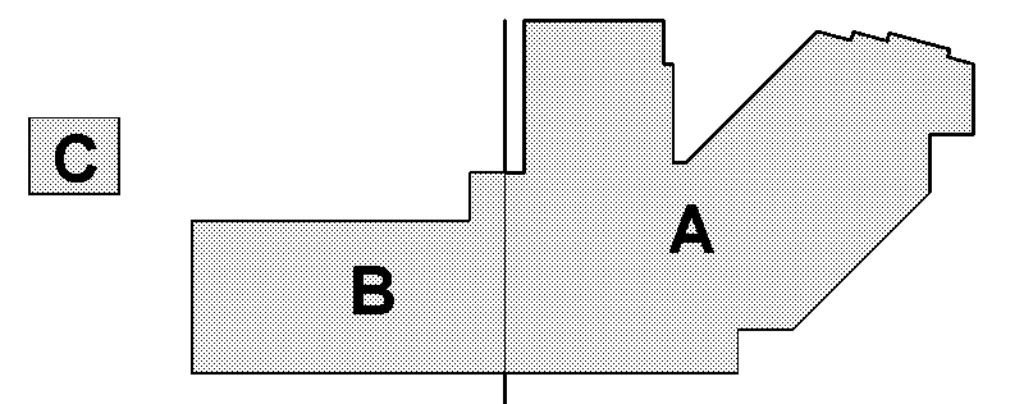


NOTE: DASHED LIGHTING FIXTURES DENOTES DEMOLITION

LIGHTING SCOPE

A. CONTRACTOR TO DEMO AND REPLACE ALL NON-LED NORMAL AND EMERGENCY LIGHTING FIXTURES WITH LED FIXTURES. RETURN ALL FIXTURES REMOVED TO DISD.

B. CONTRACTOR TO UPDATE LIGHTING CONTROLS TO MEET IECC 2021 REQUIREMENTS.



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KEY PLAN

1 ELECTRICAL DEMO PLAN - LEVEL 01 - OVERALL

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

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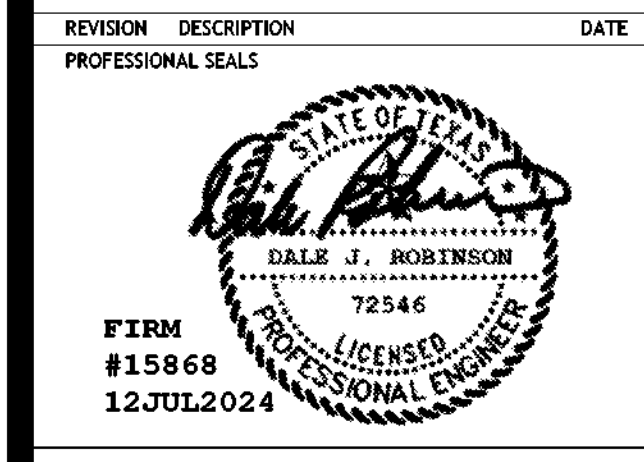
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REVISION HISTORY table with columns for REVISION, DESCRIPTION, and DATE.



ELECTRICAL DEMOLITION PLAN - LEVEL 01 - ABA A
DRAWN BY: JN CHECKED BY: DR
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: 12 JULY 2024
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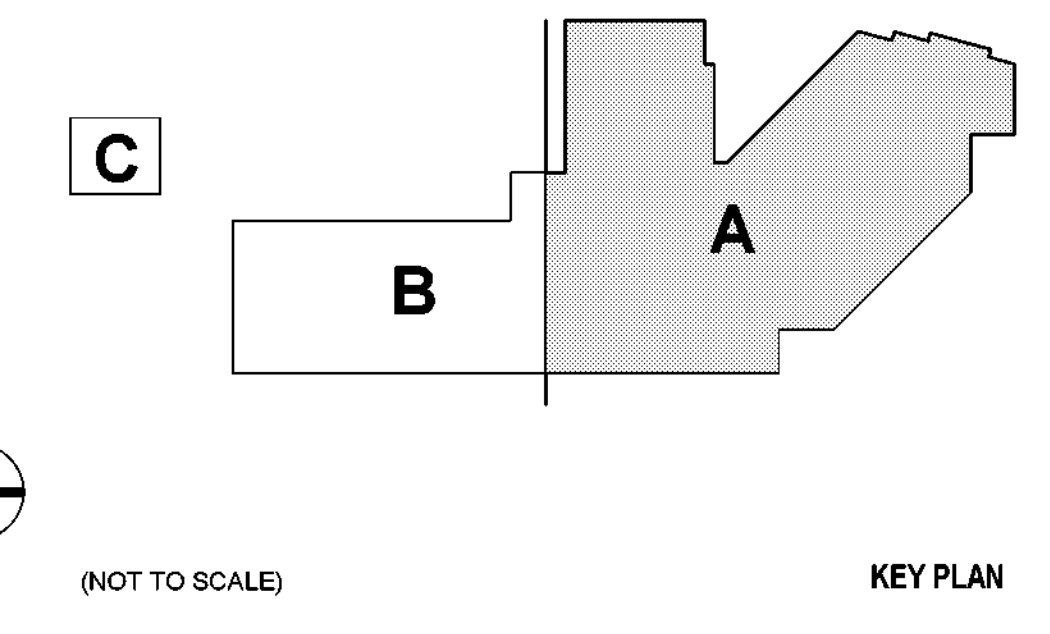
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KEYED NOTES table with columns for NUMBER and DESCRIPTION.



NOTE: DASHED LIGHTING FIXTURES DENOTES DEMOLITION

1 ELECTRICAL DEMO PLAN - LEVEL 1 - AREA A
SCALE: 1/16" = 1'-0"

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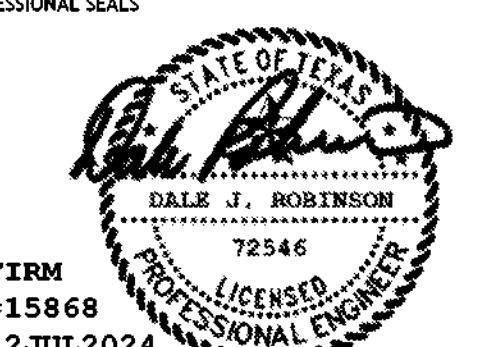
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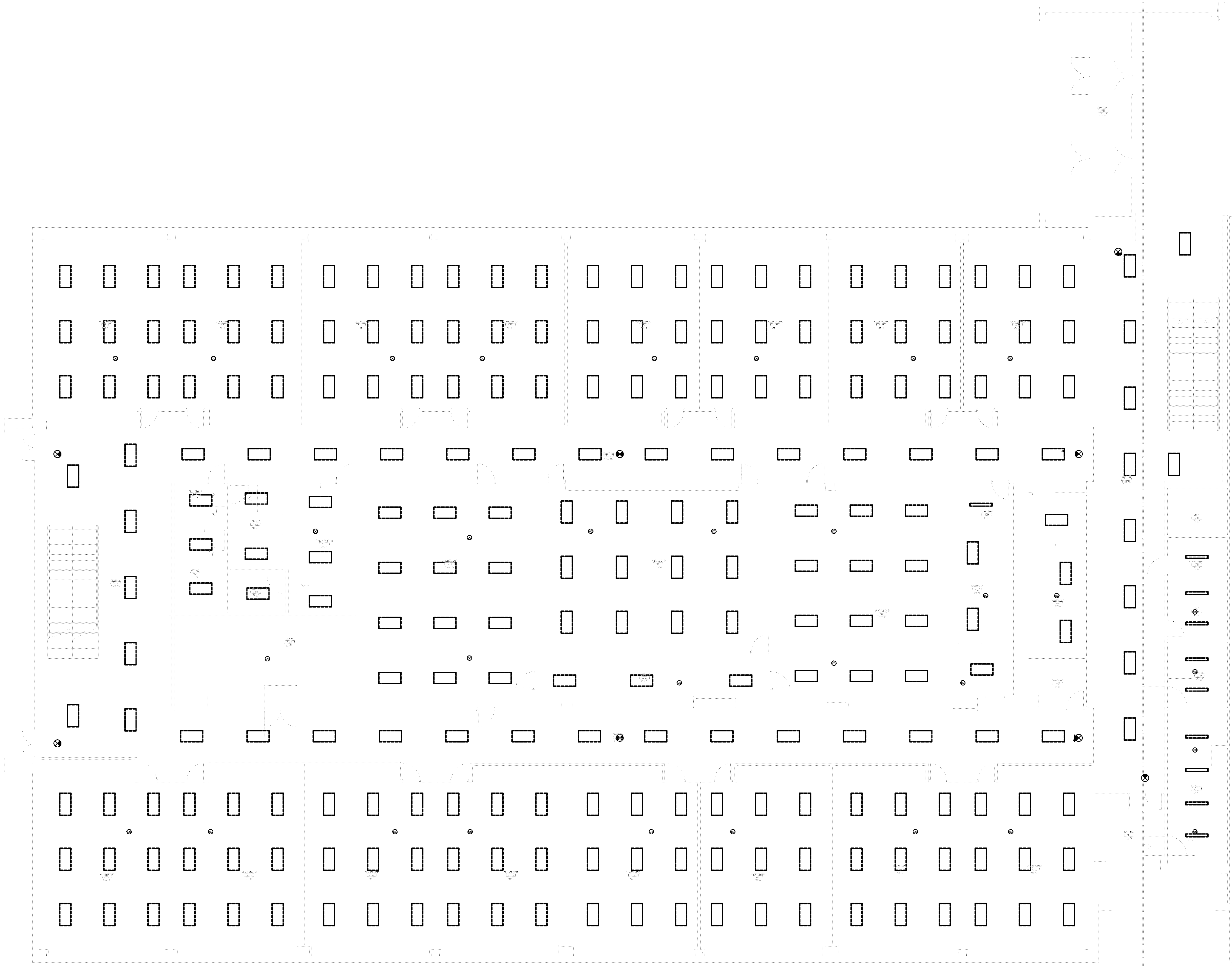
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DRAWN BY JN	CHECKED BY DR
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ORIGINAL CODE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

ED-101B
SHEET NUMBER

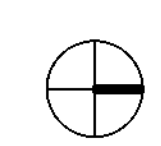
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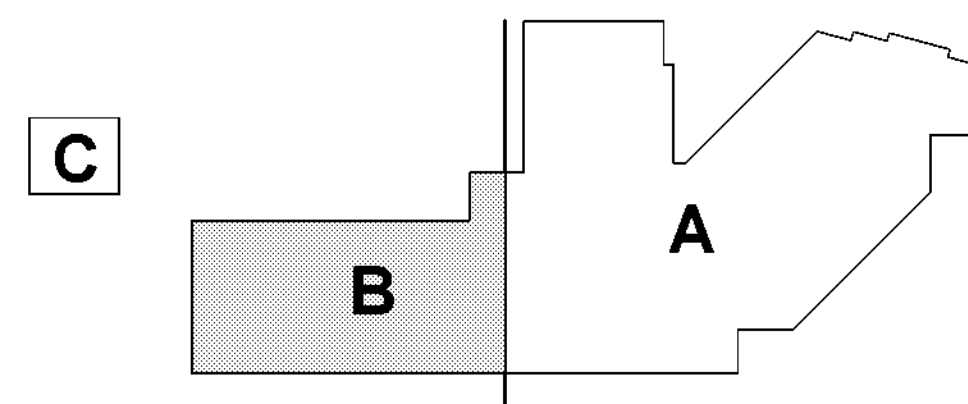


NOTE: DASHED LIGHTING FIXTURES DENOTES DEMOLITION

1 ELECTRICAL DEMO PLAN - LEVEL 01 - AREA B
SCALE: 1/8" = 1'-0"



(NOT TO SCALE)



KEY PLAN

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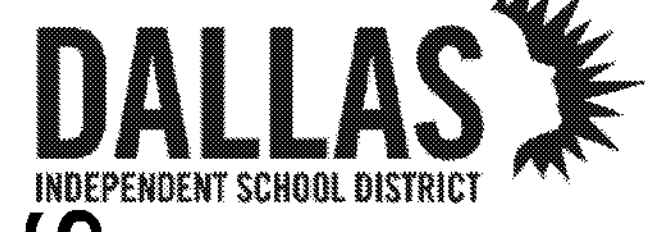
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DRAWN BY: JN CHECKED BY: DR
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL CODE: DATE: 12 JULY 2024
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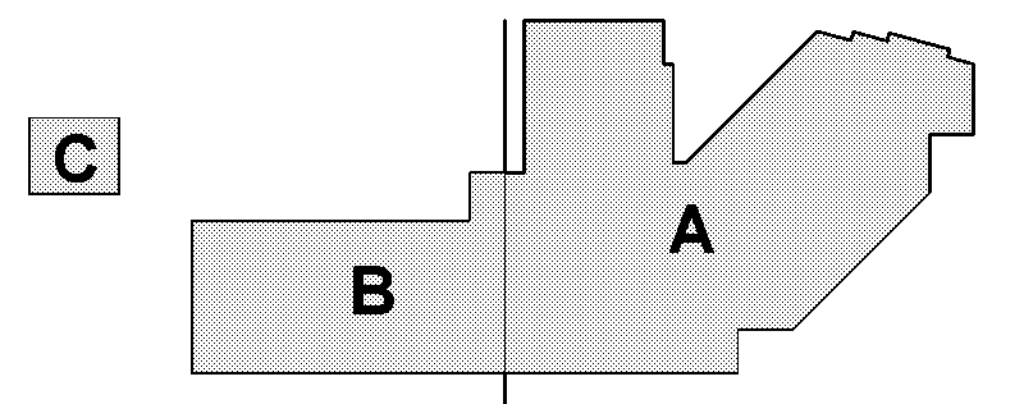
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LIGHTING SCOPE

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NOTE: DASHED LIGHTING FIXTURES DENOTES DEMOLITION



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1 ELECTRICAL DEMO PLAN - LEVEL 02 - OVERALL
SCALE: 3/64" = 1'-0"

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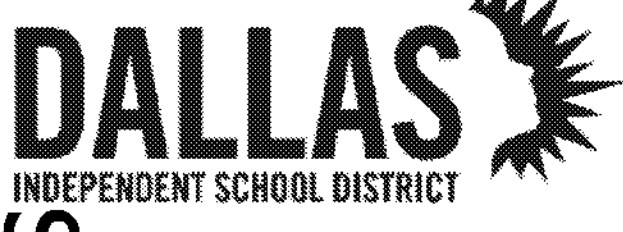
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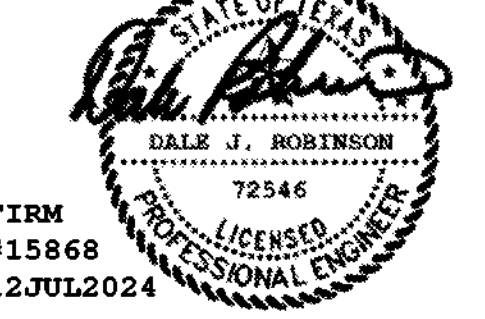
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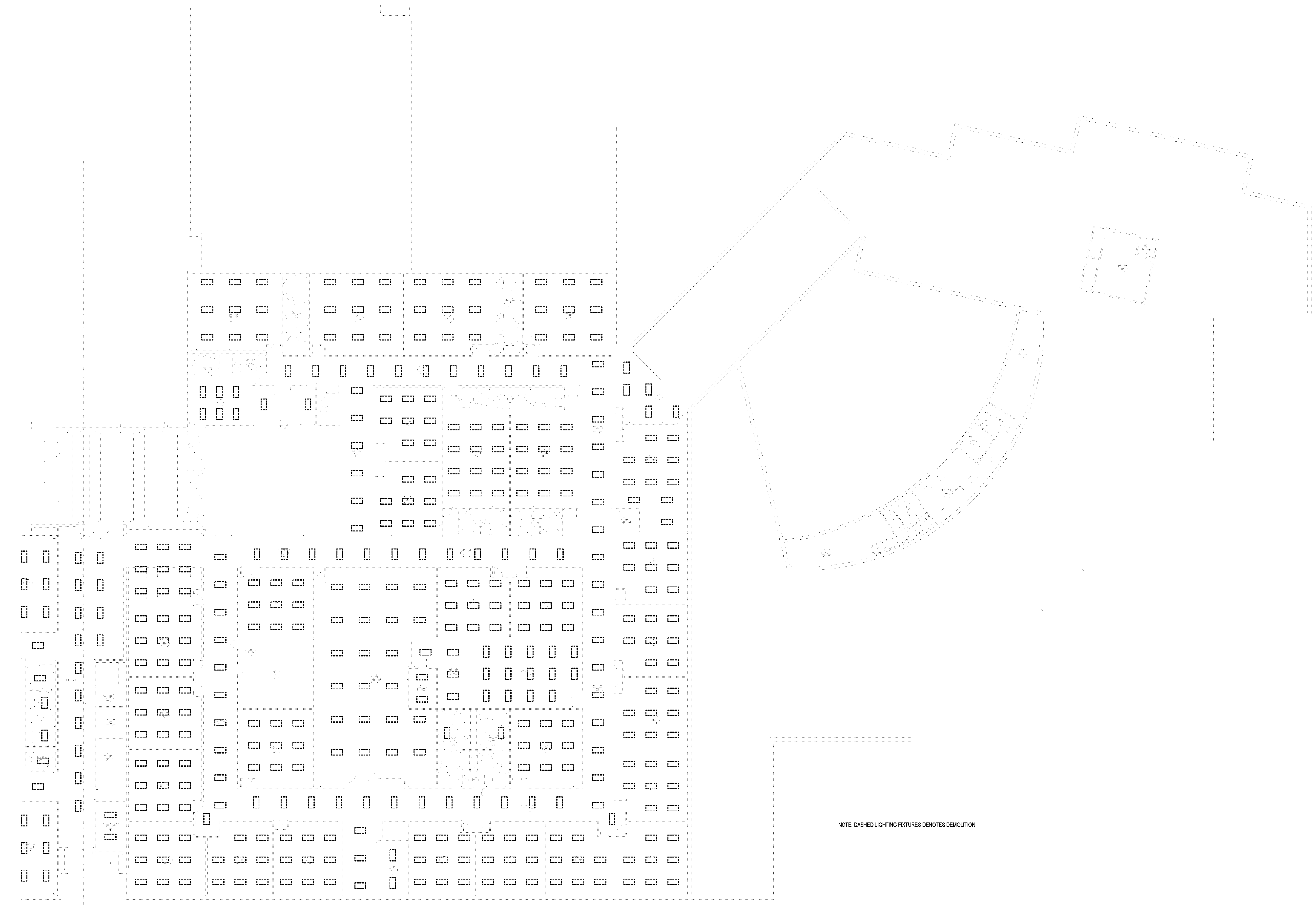
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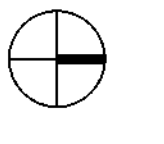
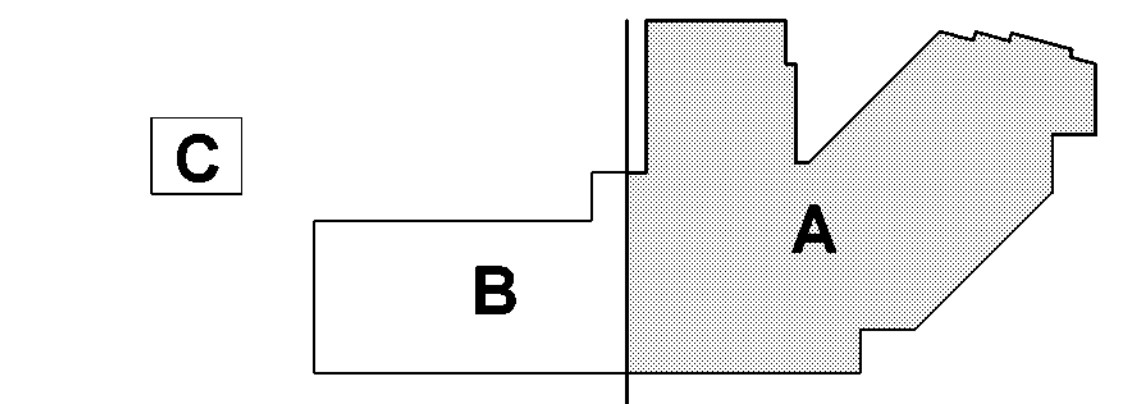
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NOTE: DASHED LIGHTING FIXTURES DENOTES DEMOLITION



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KEY PLAN

1 ELECTRICAL DEMO PLAN - LEVEL 02 - AREA A

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

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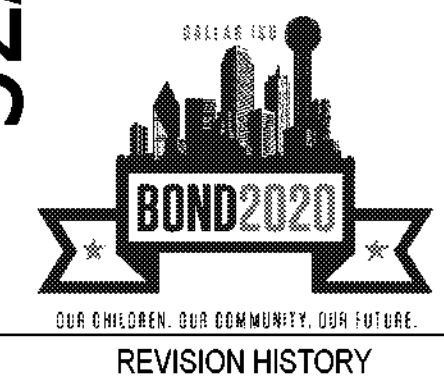
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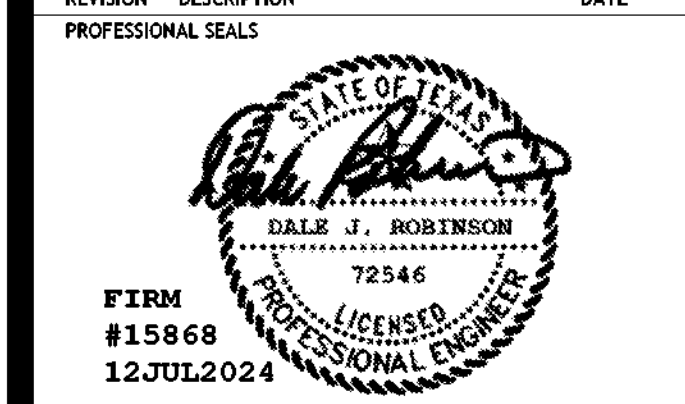
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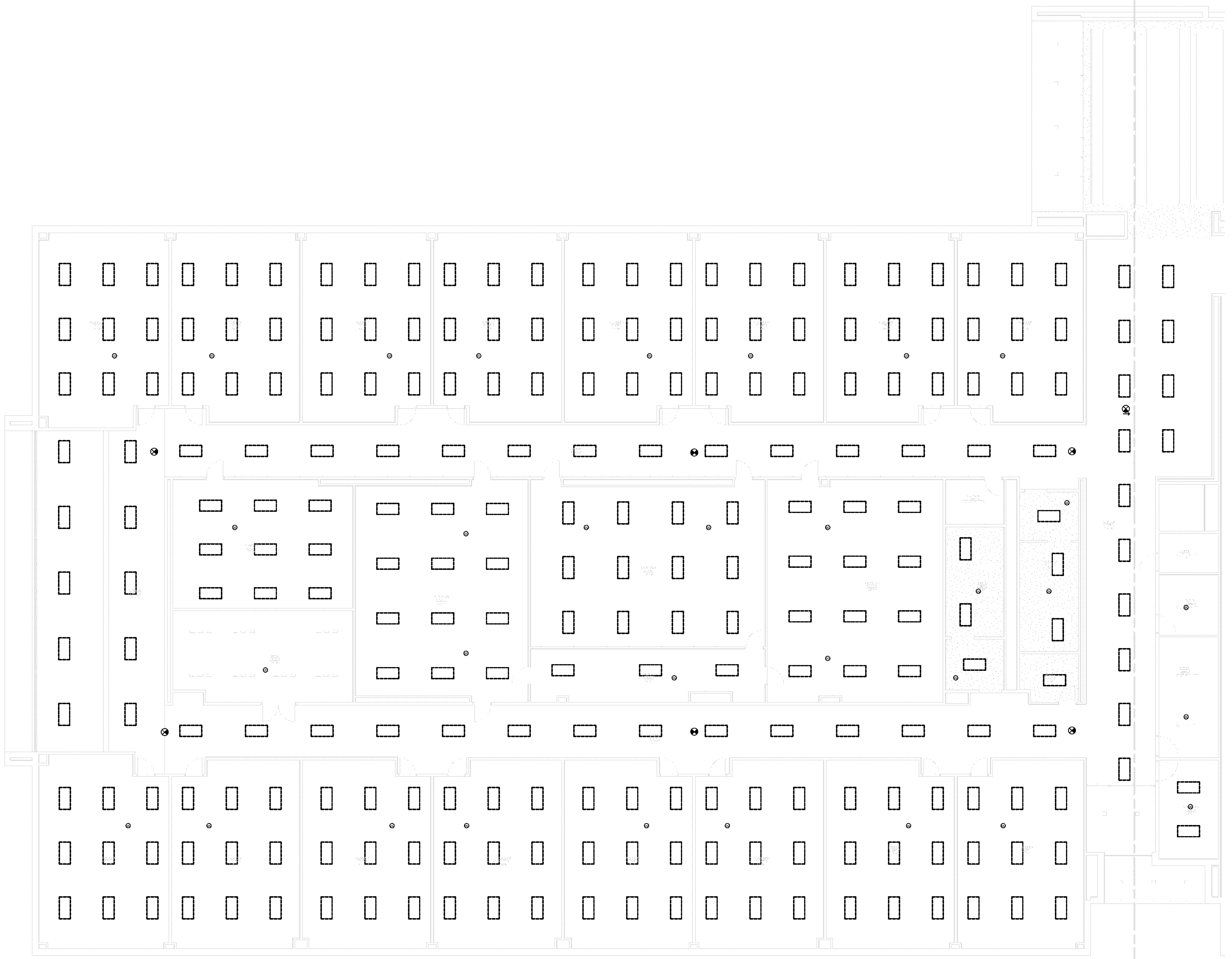
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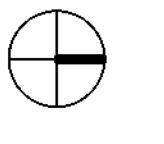
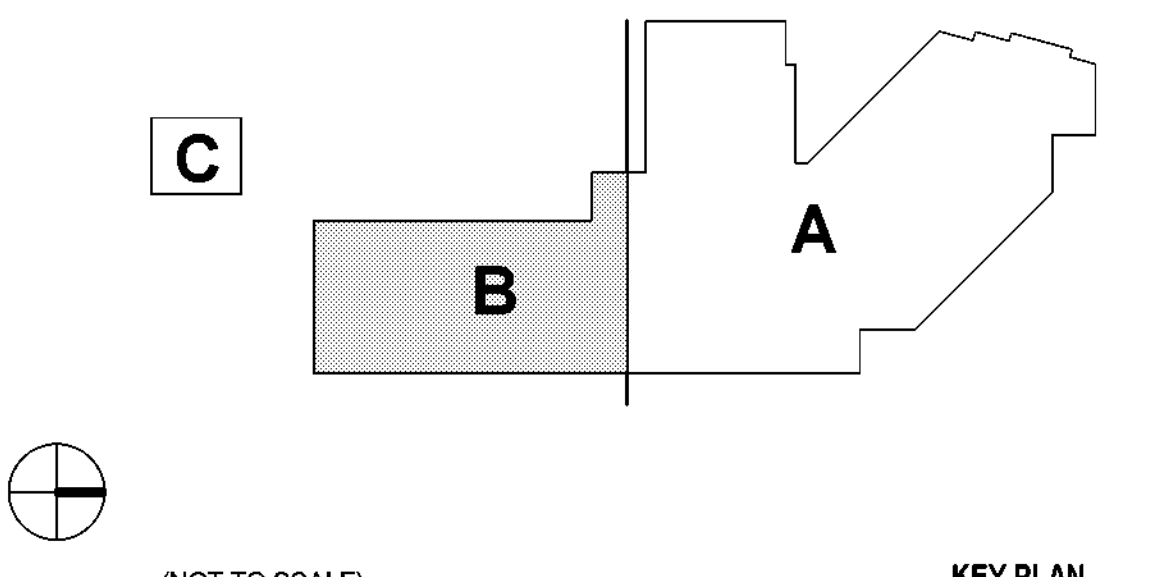
ELECTRICAL DEMOLITION PLAN -
 LEVEL 02 - ABA B

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 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
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NOTE: DASHED LIGHTING FIXTURES DENOTES DEMOLITION



1 ELECTRICAL DEMO PLAN - LEVEL 02 - AREA B
 SCALE: 1/8" = 1'-0"

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KEY PLAN

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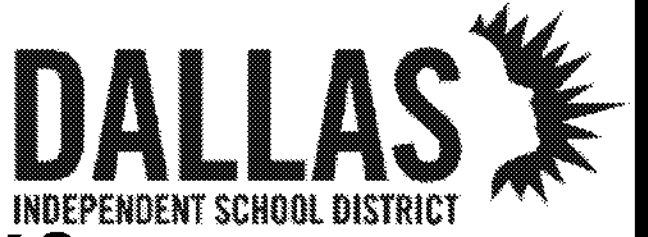
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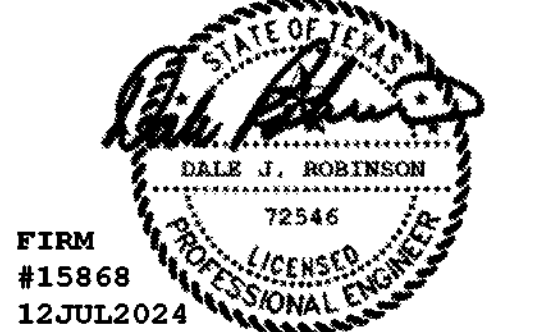
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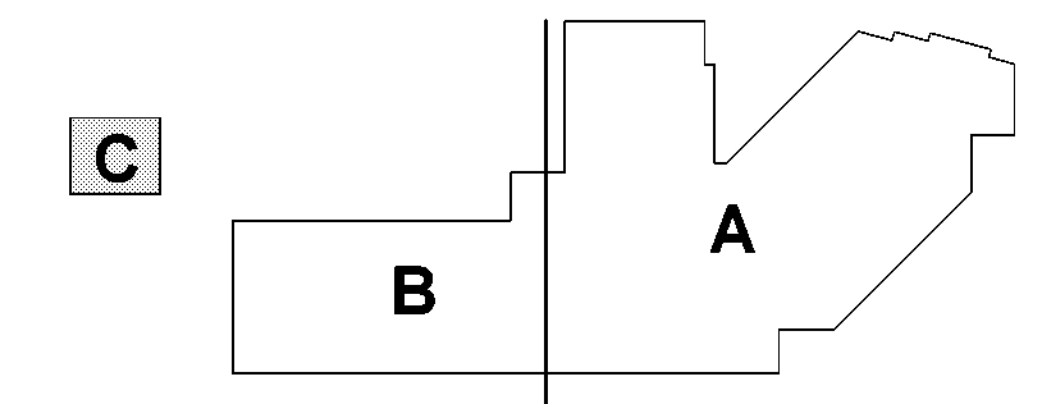
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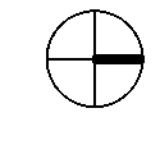
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SHEET NUMBER



ALL LIGHT FIXTURES SHOWN TO BE REPLACED WITH AN LED FIXTURE

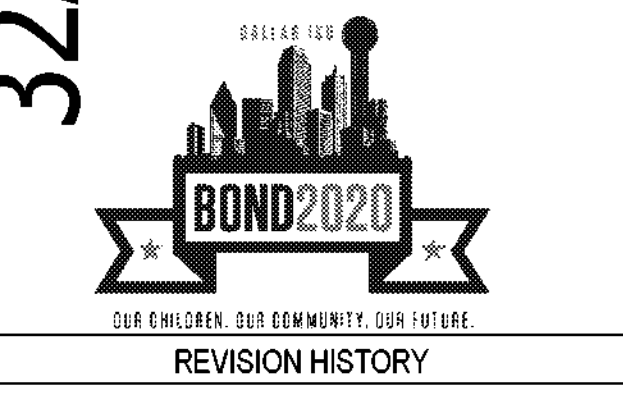


1 ELECTRICAL DEMO PLAN - LEVEL 02 - AREA C
SCALE: 1/8" = 1'-0"

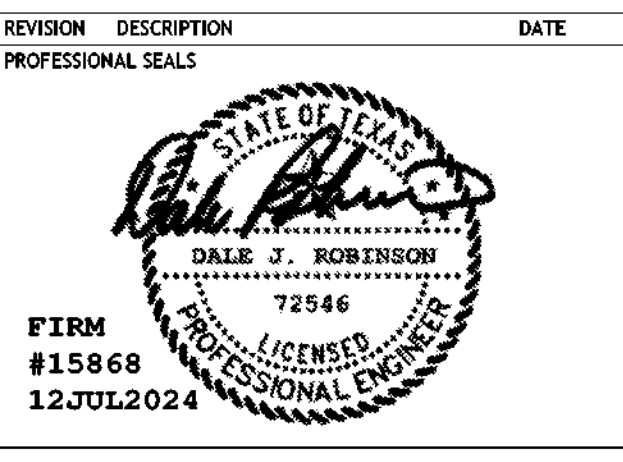


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KEY PLAN



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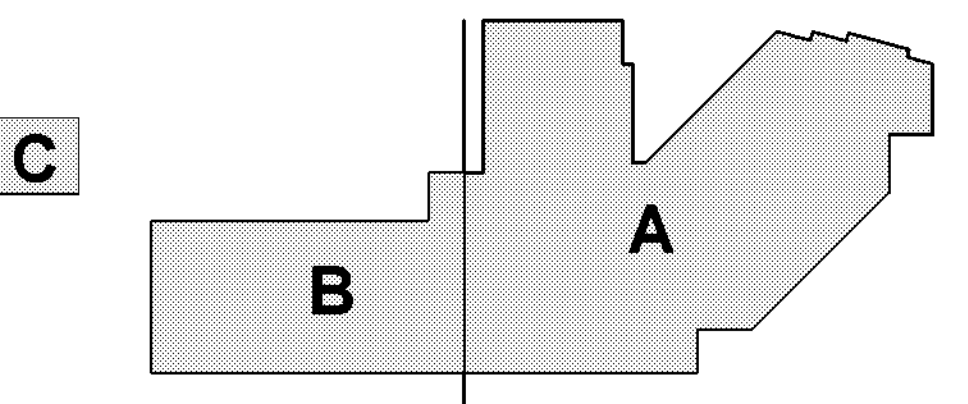
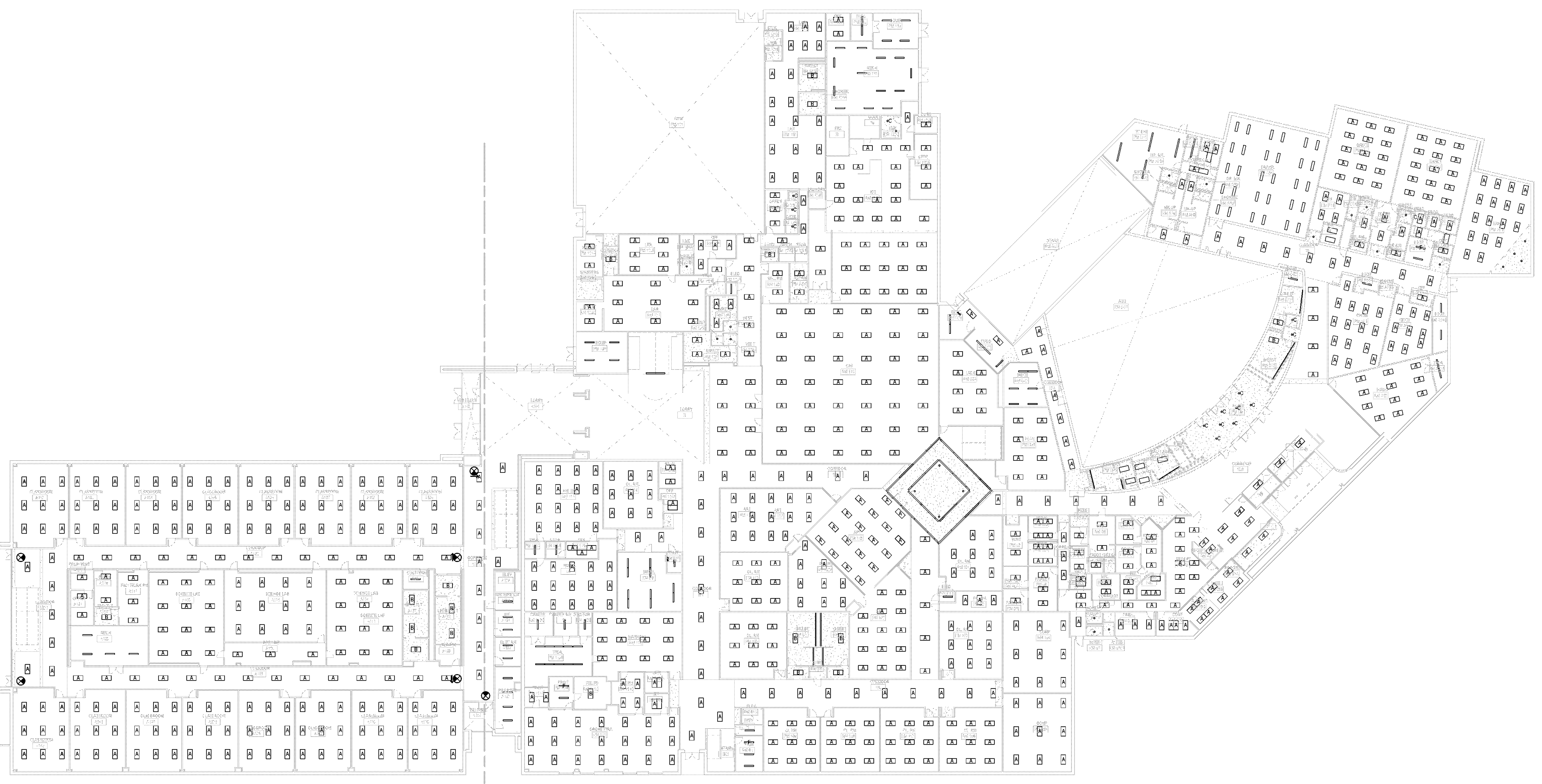
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PROJECT ABBREVIATION: GEAA
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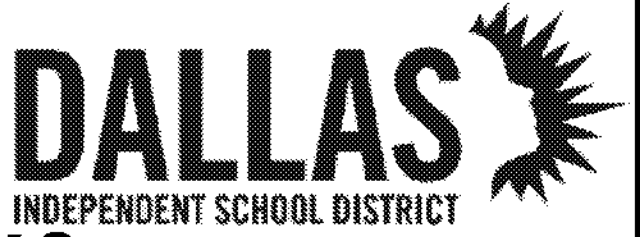
- GENERAL NOTES**
- A. SEE SHEET E-01 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
 - B. ALL LIGHTING CIRCUITS SHALL BE PROVIDED WITH A MAINTENANCE DISCONNECT SWITCH INSTALLED IN ELECTRICAL ROOM FROM WHICH IT ORIGINATES. IF CONTROLLED BY A LIGHTING CONTROL PANEL, SWITCH SHALL BE ON LOAD SIDE OF LCP RELAY. CONTRACTOR TO PROVIDE PERMANENT NAMEPLATE & DIRECTORY.
 - C. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
 - D. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
 - E. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
 - F. CONTRACTOR TO COORDINATE WITH CIVIL DRAWINGS FOR ADJACENT UTILITIES.
 - G. MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE.
 - H. CONTRACTOR TO REPLACE ALL NON LED NORMAL AND EMERGENCY FIXTURES WITH LED FIXTURES.
 - I. CONTRACTOR TO VERIFY NEW FIXTURES WILL MATCH EXISTING FIXTURE LENGTHS AND MOUNTING.
 - J. ALL LIGHTING CONTROLS TO BE REPLACED AND UPDATED TO IECC 2021 STANDARDS. REFERENCE SHEETS EL-001 AND EL-002.



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KEY PLAN

1 ELECTRICAL LIGHTING PLAN - LEVEL 01 - OVERALL
SCALE: 3/8" = 1'-0"

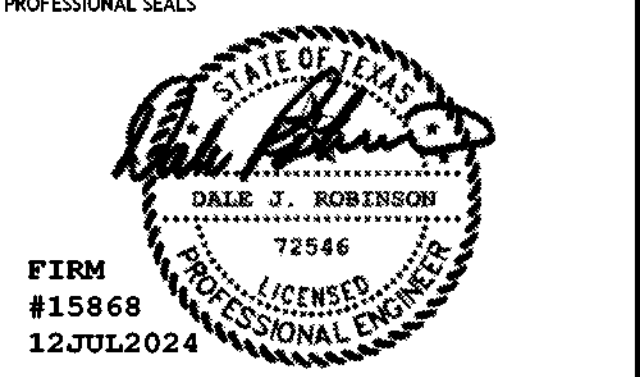


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REVISION	DESCRIPTION	DATE



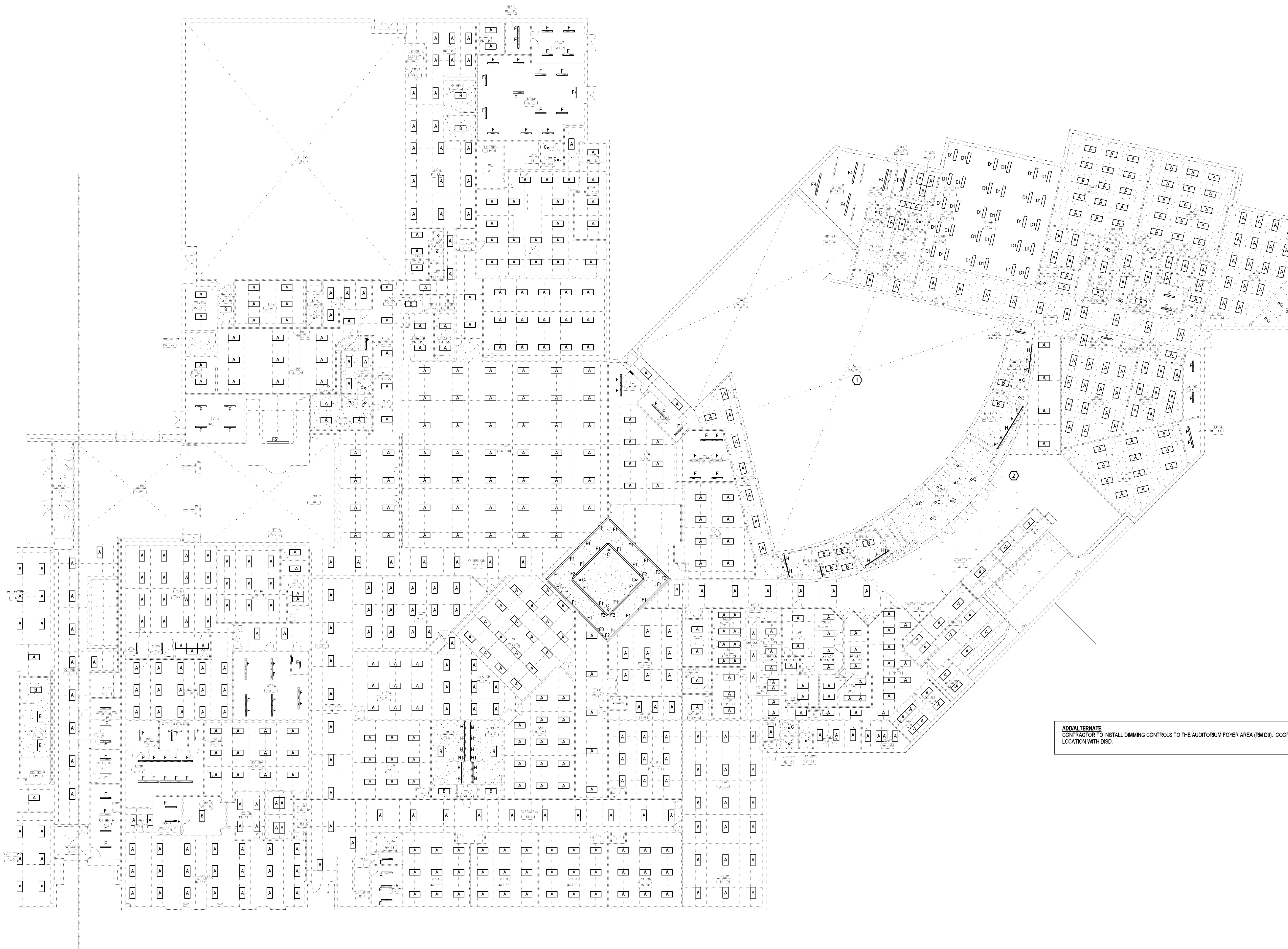
ELECTRICAL LIGHTING PLAN - LEVEL 01 - AREA A

DRAWN BY JN CHECKED BY DR
 PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
 ORIGINAL ISSUE DATE 12 JULY 2024
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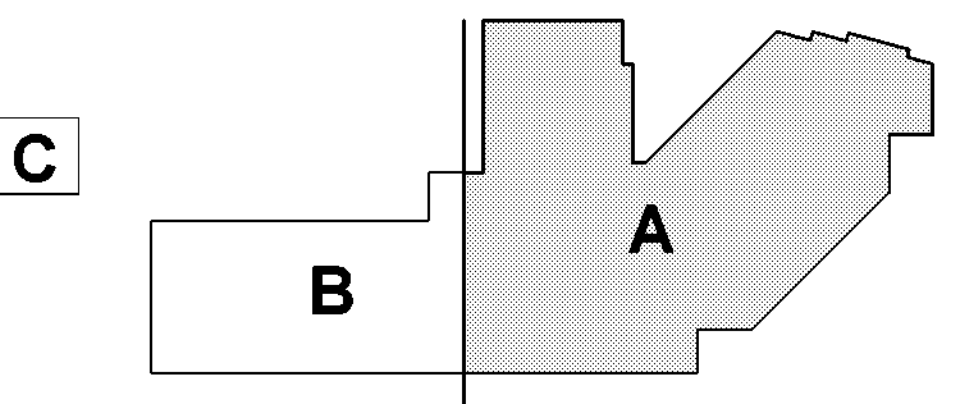


- GENERAL NOTES**
- A. SEE SHEET E-01 FOR SYMBOL LEGEND, REFER TO SHEET E-02 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
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 - J. ALL LIGHTING CONTROLS TO BE REPLACED AND UPDATED TO IEC 2021 STANDARDS. REFERENCE SHEETS EL-001 AND EL-002.

KEYED NOTES

NUMBER	DESCRIPTION
1	CONTRACTOR TO COORDINATE WITH DISDFINE ARTS TO IMPLEMENT DIMMING OF THE THEATER HOUSE LIGHTS.
2	EXISTING LIGHTS TO REMAIN QTY 7). FOUR OF THESE LIGHTS WILL BE SHIFTED DUE TO NEW SECURE VESTIBULE. CONTRACTOR TO RELOCATE PER PLANS AND SHALL ENSURE LIGHTS ARE IN WORKING ORDER.

ADD/ALTERNATE
 CONTRACTOR TO INSTALL DIMMING CONTROLS TO THE AUDITORIUM Foyer AREA (RM 09). COORDINATE DIMMING SWITCH LOCATION WITH DISD.



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EL-101A

1 ELECTRICAL LIGHTING PLAN - LEVEL 01 - AREA A
 SCALE: 1/16" = 1'-0"

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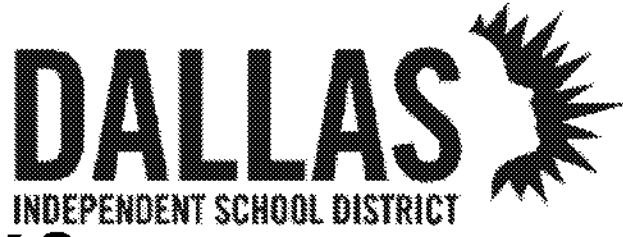
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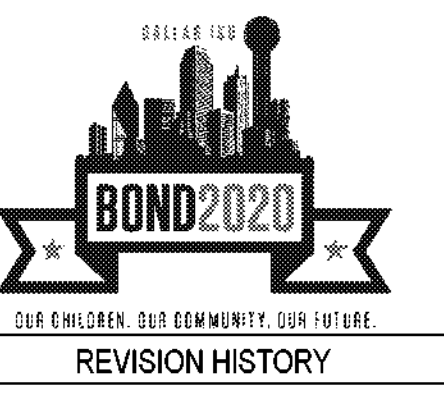
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GENERAL NOTES

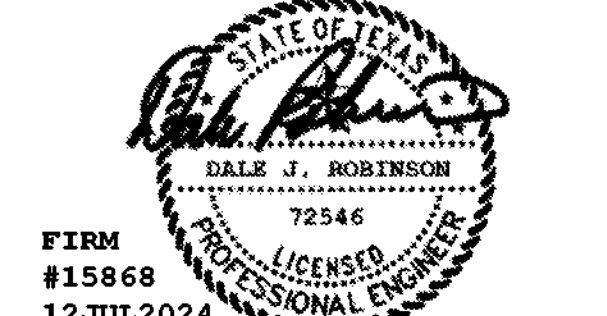
- A. SEE SHEET E-01 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
- B. ALL LIGHTING CIRCUITS SHALL BE PROVIDED WITH A MAINTENANCE DISCONNECT SWITCH INSTALLED IN ELECTRICAL ROOM FROM WHICH IT ORIGINATES. IF CONTROLLED BY A LIGHTING CONTROL PANEL, SWITCH SHALL BE ON LOAD SIDE OF LCP RELAY. CONTRACTOR TO PROVIDE PERMANENT NAMEPLATE & DIRECTORY.
- C. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
- D. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
- E. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
- F. CONTRACTOR TO COORDINATE WITH CIVIL DRAWINGS FOR ADJACENT UTILITIES.
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- I. CONTRACTOR TO VERIFY NEW FIXTURES WILL MATCH EXISTING FIXTURE LENGTHS AND MOUNTING.
- J. ALL LIGHTING CONTROLS TO BE REPLACED AND UPDATED TO IECC 2021 STANDARDS. REFERENCE SHEETS EL-001 AND EL-002.



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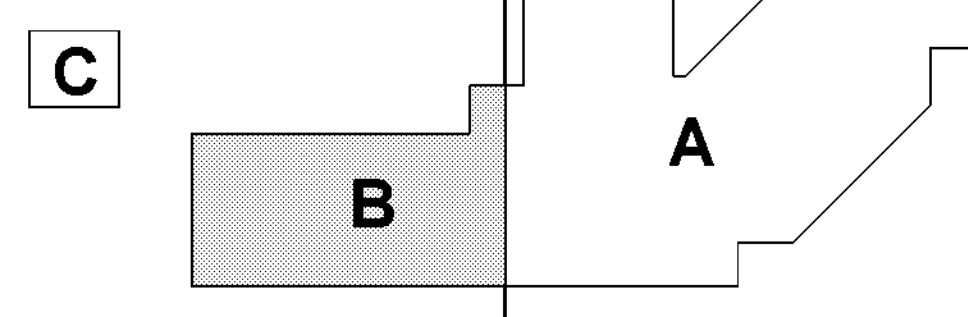
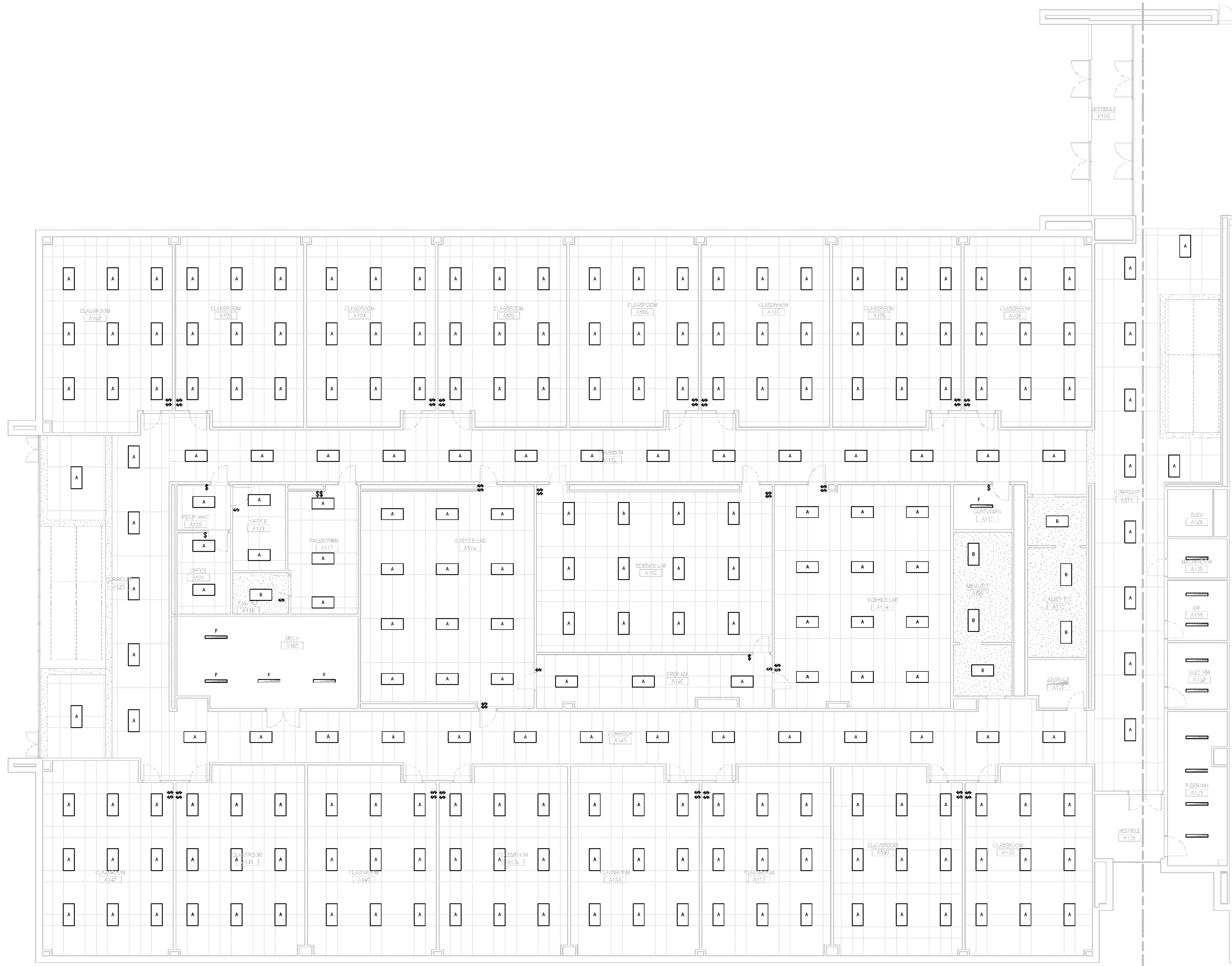
REVISION	DESCRIPTION	DATE



ELECTRICALLIGHTING PLAN - LEVEL 01 - ABA B

DRAWN BY JN	CHECKED BY DR
PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

EL-101B
 SHEET NUMBER



1 ELECTRICAL LIGHTING PLAN - LEVEL 01 - AREA B
 SCALE: 1/8" = 1'-0"

(NOT TO SCALE)

KEY PLAN

FILE PATH: Autodesk Docs://32AC23037-Greiner Exploratory Arts Academy/32AC23037-E-R23-CENTRAL.rvt
 USER NAME: 8/2/2024 2:01:34 PM
 DATE TIME: 8/2/2024 2:01:34 PM

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 214-522-3900 214-522-3900

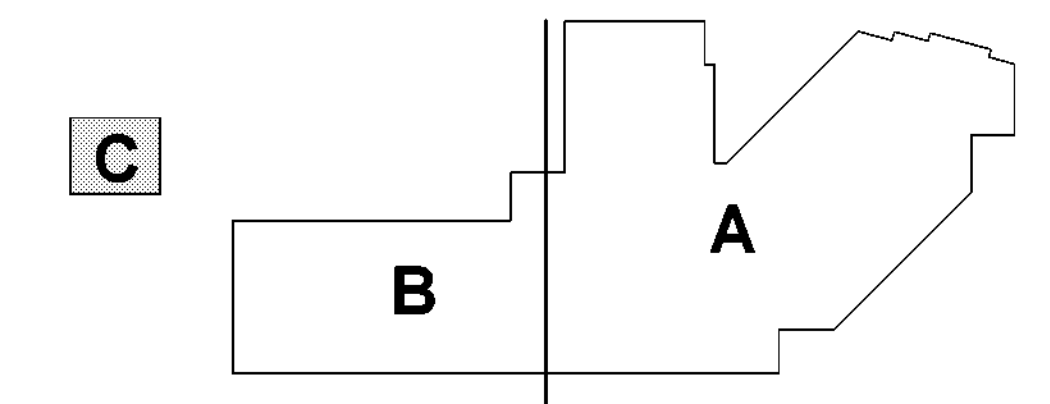
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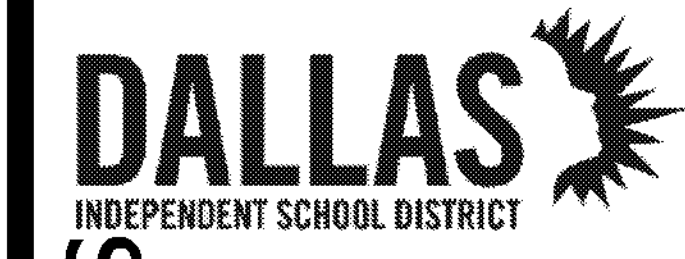
- ### GENERAL NOTES
- A. SEE SHEET E-01 FOR SYMBOL LEGEND, REFER TO SHEET E-02 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
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1 ELECTRICAL LIGHTING PLAN - LEVEL 01 - AREA C
 SCALE: 1/8" = 1'-0"

(NOT TO SCALE)

KEY PLAN



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REVISION	DESCRIPTION	DATE

PROFESSIONAL SEALS

FIRM
 #15868
 12 JUL 2024

ELECTRICAL LIGHTING PLAN - LEVEL 01 - AREA C

DRAWN BY: JN CHECKED BY: DR
 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
 ORIGINAL ISSUE: DATE: 12 JULY 2024
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EL-101C
 SHEET NUMBER

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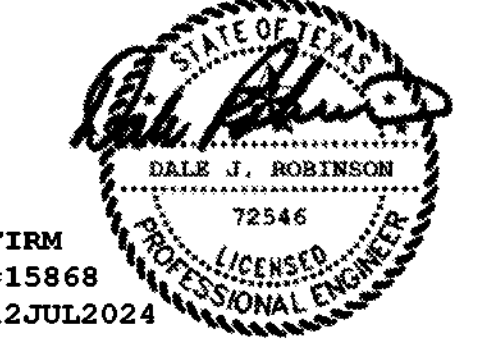
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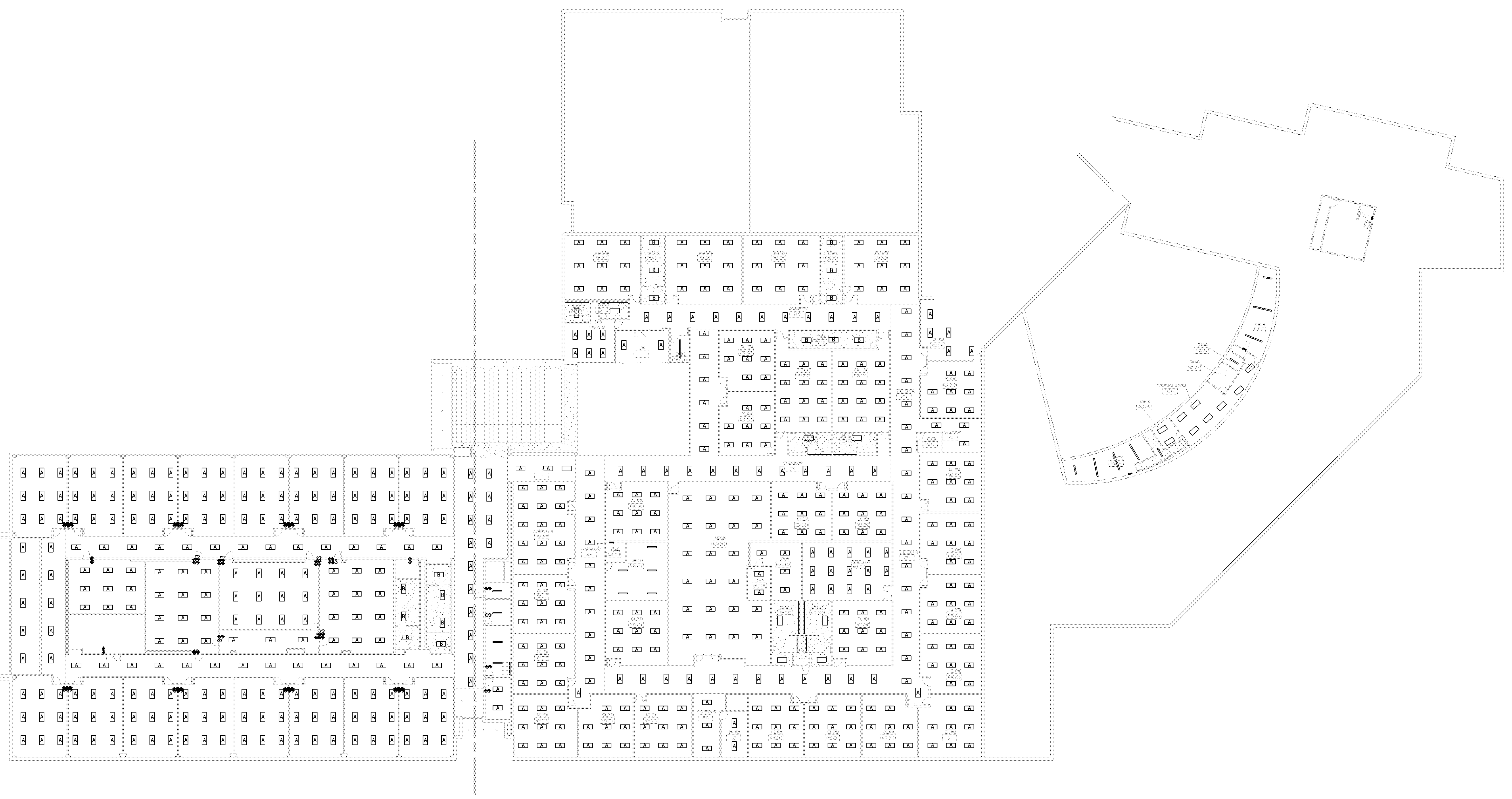
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PROJECT NUMBER	32AC23037	PROJECT ABBREVIATION	GEAA
ORIGINAL ISSUE	100% ISSUE FOR CONSTRUCTION	DATE	12 JULY 2024

EL-102
SHEET NUMBER

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1 ELECTRICAL LIGHTING PLAN - LEVEL 02 - OVERALL
SCALE: 3/64" = 1'-0"

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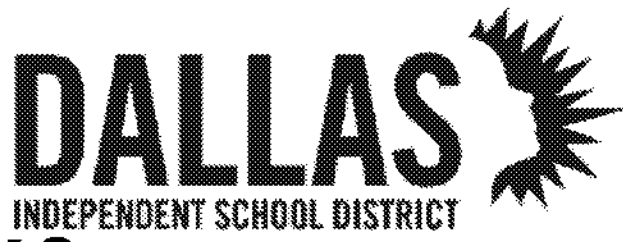
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 512-472-9721



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 Dallas, TX 75208



REVISION	DESCRIPTION	DATE

PROFESSIONAL SEALS

DALE J. ROBINSON
 72546
 FIRM #15868
 LICENSED PROFESSIONAL ENGINEER
 12JUL2024

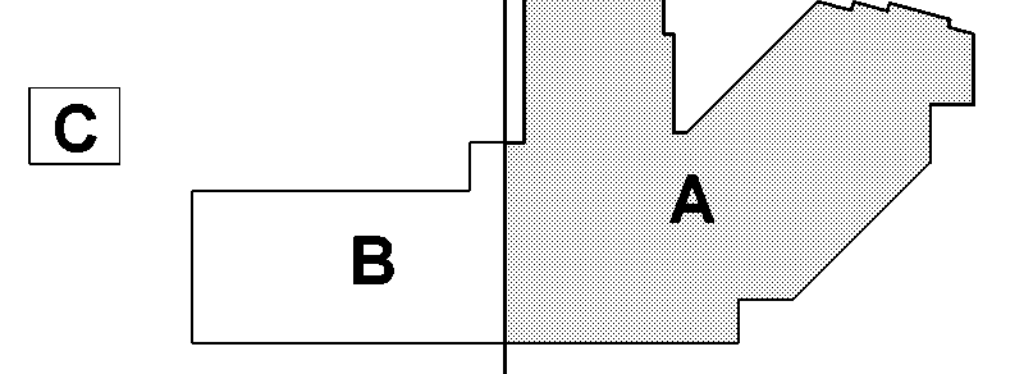
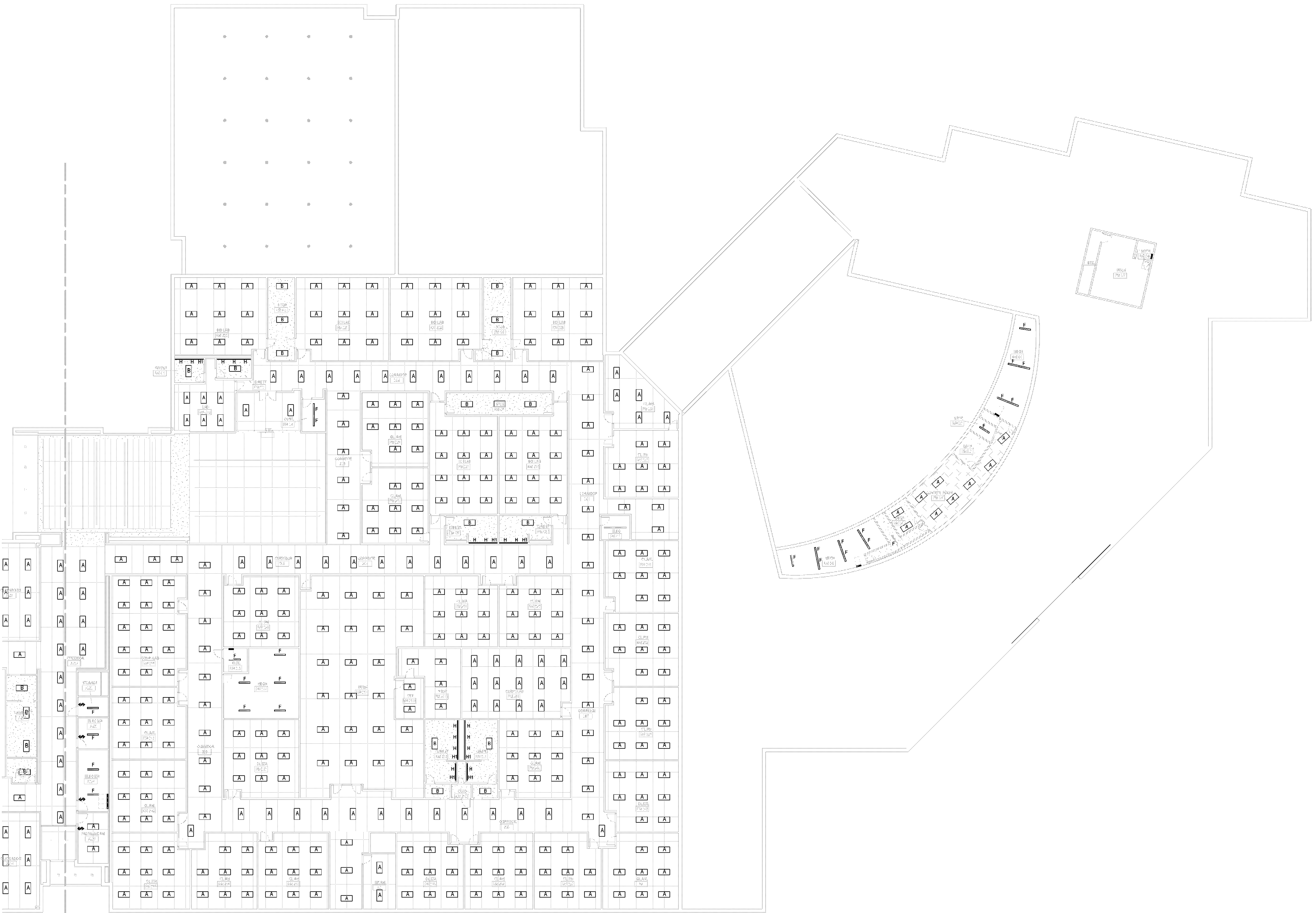
DRAWN BY	CHECKED BY	DATE
JN	DR	12 JULY 2024
PROJECT NUMBER: 32AC23037		PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION		DATE: 12 JULY 2024

EL-102A
 SHEET NUMBER

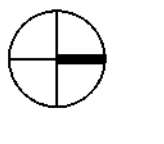
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 APPROVAL STAMP FOR
 PUBLIC INFRASTRUCTURE

- ### GENERAL NOTES
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1 ELECTRICAL LIGHTING PLAN - LEVEL 02 - AREA A
 SCALE: 1/16" = 1'-0"



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KEY PLAN

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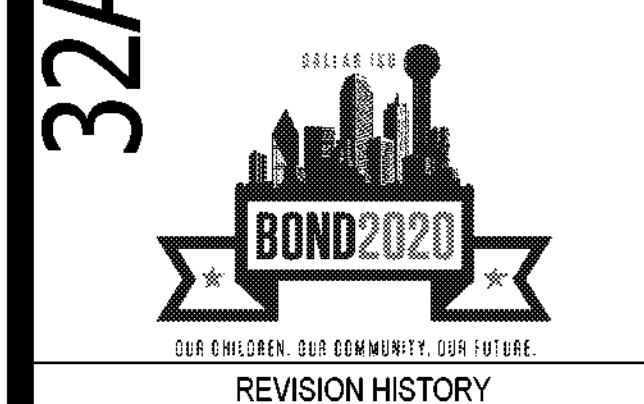
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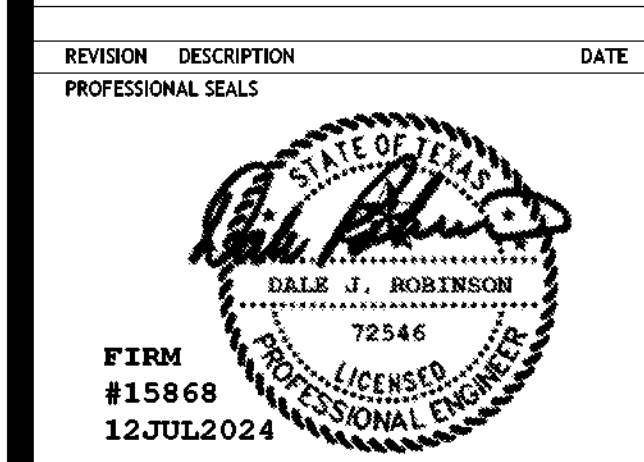
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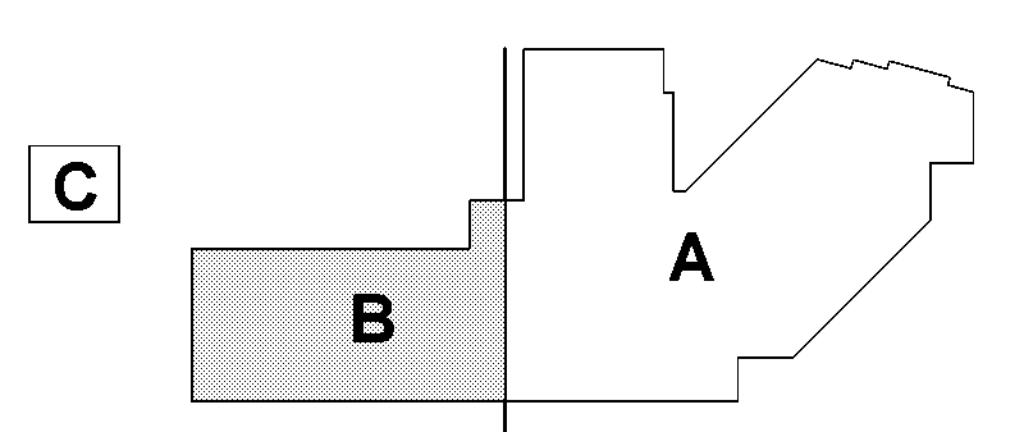
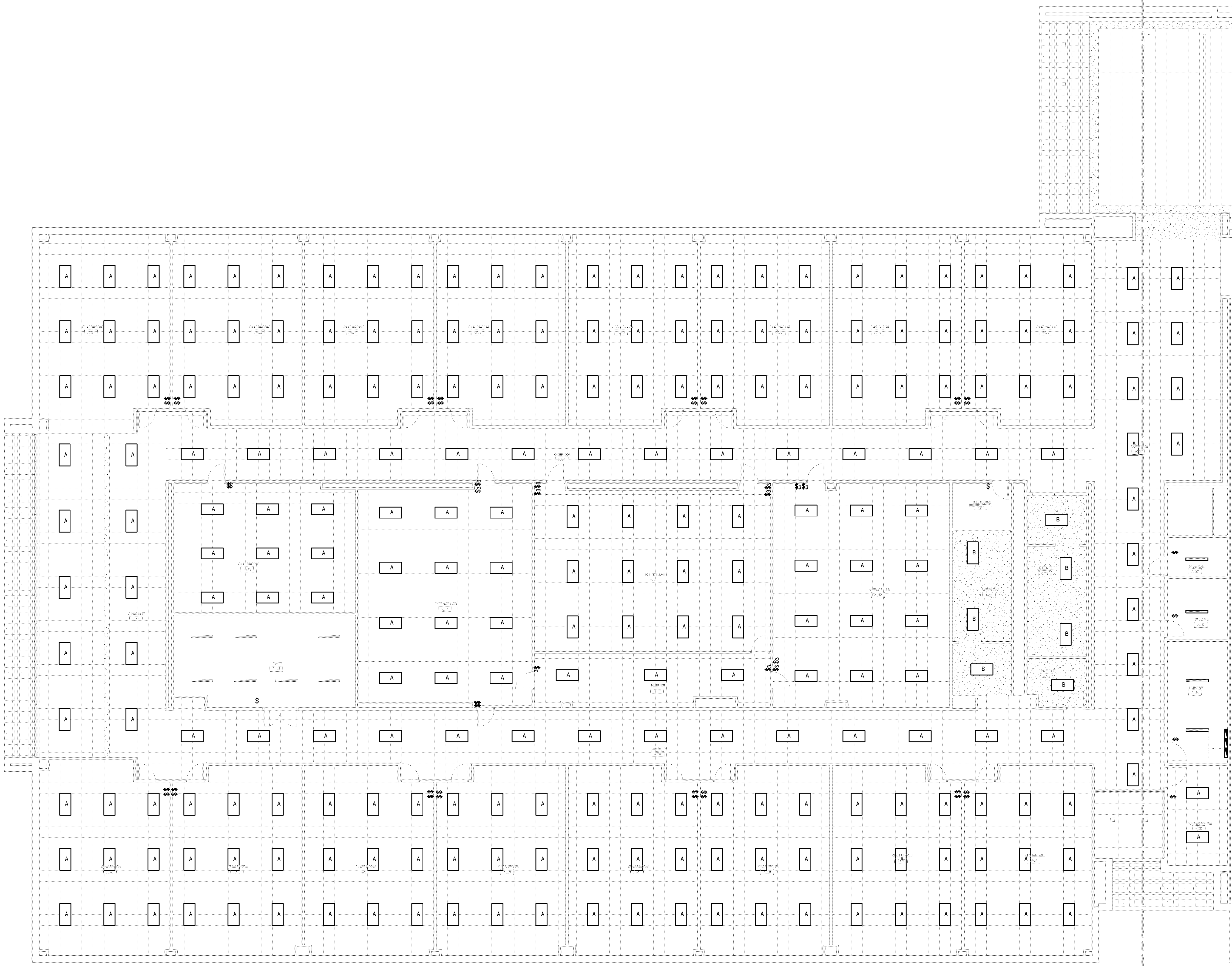


PROJECT INFORMATION table with fields: DRAWN BY, CHECKED BY, PROJECT NUMBER, PROJECT ABBREVIATION, ORIGINAL ISSUE, DATE

ELECTRICAL LIGHTING PLAN - LEVEL 02 - AREA B
EL-102B
SHEET NUMBER

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- GENERAL NOTES
A. SEE SHEET E-01 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
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1 ELECTRICAL LIGHTING PLAN - LEVEL 02 - AREA B
SCALE: 1/8" = 1'-0"

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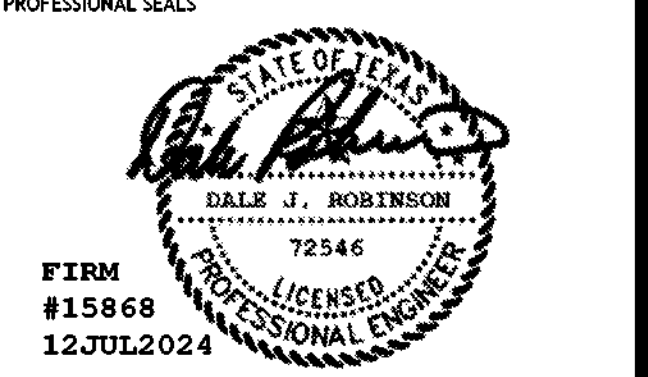
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REVISION HISTORY

Table with 3 columns: REVISION, DESCRIPTION, DATE

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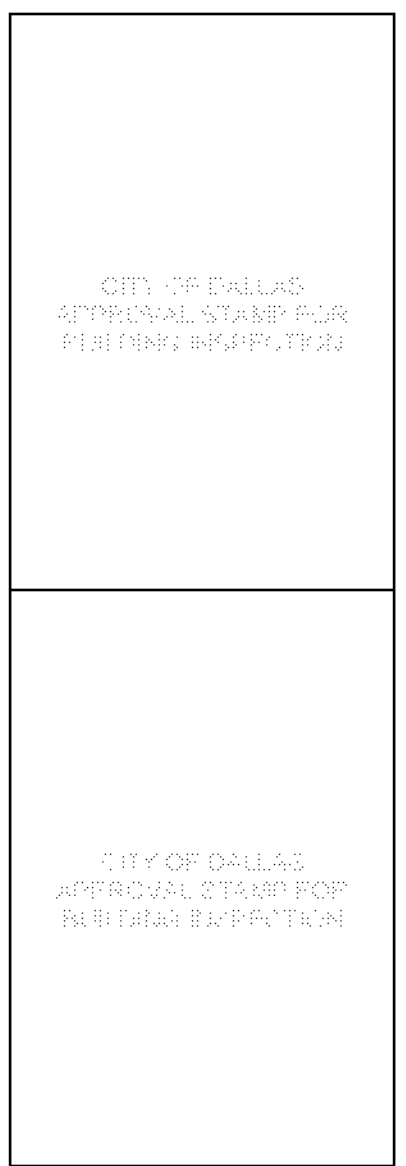


ELECTRICALLIGHTING PLAN - LEVEL 02 - AREAC

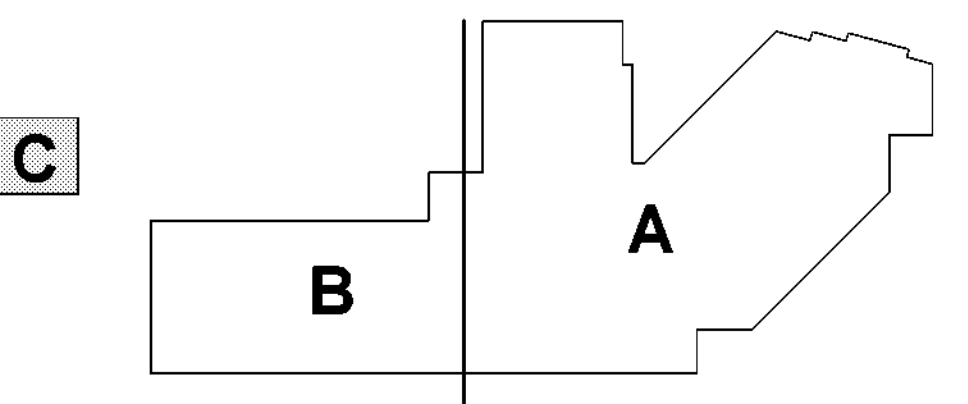
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100% ISSUE FOR CONSTRUCTION DATE: 12 JULY 2024

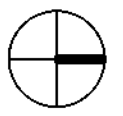
EL-102C SHEET NUMBER



GENERAL NOTES table with 10 items (A-J) detailing lighting requirements



ELECTRICAL LIGHTING PLAN - LEVEL 02 - AREA C SCALE: 1/8" = 1'-0"



(NOT TO SCALE)

KEY PLAN

Table with 12 columns: ROOMS, SEQUENCE OF OPERATIONS, OCCUPANCY SENSOR, TIME SWITCH, ASTRONOMIC or PHOTOCELL ON/OFF, AUTO STEP CONTROL, AUTO CONTROLS DIM WITH OFF L5, MANUAL BELIEVE REDUCTION CONTROLS, MANUAL CONTINUOUS DIM CONTROL, MANUAL ON/OFF SWITCH, MANUAL DIMMER SWITCH, DISPLAY / ACCENT TASK CONTROL, AUTOMATIC RECEPTACLE CONTROL. Rows include 1A CORRIDOR 1A 880 SF, 2 RECEPTACLES RM 02 88 SF, 3 RECEPTACLES RM 03 880 SF, etc.

Table with 12 columns: ROOMS, CLASS ROOMS, SEQUENCE OF OPERATION, OCCUPANCY SENSOR, TIME SWITCH, ASTRONOMIC or PHOTOCELL ON/OFF, AUTO STEP CONTROL, AUTO CONTINUOUS DIM WITH OFF L5, MANUAL BELIEVE REDUCTION CONTROLS, MANUAL CONTINUOUS DIM CONTROL, MANUAL ON/OFF SWITCH, DISPLAY / ACCENT TASK CONTROL, AUTOMATIC RECEPTACLE CONTROL. Rows include 122 KIT RM 122 3070 SF, 122C LKR RM 122C 48 SF, 122D REST RM 122D 18 SF, etc.

NOTE: TO ACCOMPLISH REQUIREMENT FOR AUTOMATIC RECEPTACLE CONTROL, CONTRACTOR TO INTERCEPT INCOMING POWER CIRCUIT AND RUN IT THROUGH A CONTROLS POWER PACK WITH THE END RESULT BEING ALL RECEPTACLES IN THE ROOM WILL BE 100% SWITCHED.

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MECHANICAL ENGINEERS CHG Engineering, PLLC (Middle)

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DALLAS INDEPENDENT SCHOOL DISTRICT (Middle)

32AC23037- Greiner Exploratory Arts Academy (Vertical Text)

501 S Edgeland Ave Dallas, TX 75208 (Vertical Text)

BOND2020 (Stamp)

REVISION HISTORY (Table)

REVISION DESCRIPTION DATE (Table)

ELECTRICAL LIGHTING CONTROLS (Section Header)

DRAWN BY JRM CHECKED BY DR (Table)

PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA (Table)

ORIGINAL ISSUE DATE 12 JULY 2024 (Table)

100% ISSUE FOR CONSTRUCTION (Text)

EL-601 (Section Header)

SHEET NUMBER (Text)

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REVISION HISTORY table with columns: REVISION, DESCRIPTION, DATE

Professional Engineer seal for DALE J. ROBINSON, LICENSED PROFESSIONAL ENGINEER, 72546, #15868, 12 JUL 2024

ELECTRICAL LIGHTING CONTROLS

DRAWN BY JN CHECKED BY DR
PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE DATE 12 JULY 2024
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Main table with columns: ROOMS, AUTO ON/H, OCCUPANCY SENSOR, LIGHTING CONTROL, and SEQUENCE OF OPERATION. Includes rooms like 201, 202, 203, etc., with detailed lighting control sequences.

STANDARD SEQUENCE OF OPERATIONS table with columns: ROOMS, AUTO ON/H, OCCUPANCY SENSOR, LIGHTING CONTROL, and SEQUENCE OF OPERATION. Includes rooms like VESTIBLE, STORAGE, WEIGHT ROOM, etc.

NOTE: TO ACCOMPLISH REQUIREMENT FOR AUTOMATIC RECEPTACLE CONTROL, CONTRACTOR TO INTERCEPT INCOMING POWER CIRCUIT AND RUN IT THROUGH A CONTROLS POWER PACK WITH THE END RESULT BEING ALL RECEPTACLES IN THE ROOM WILL BE 100% SWITCHED.

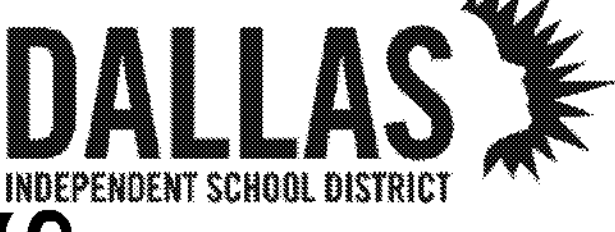
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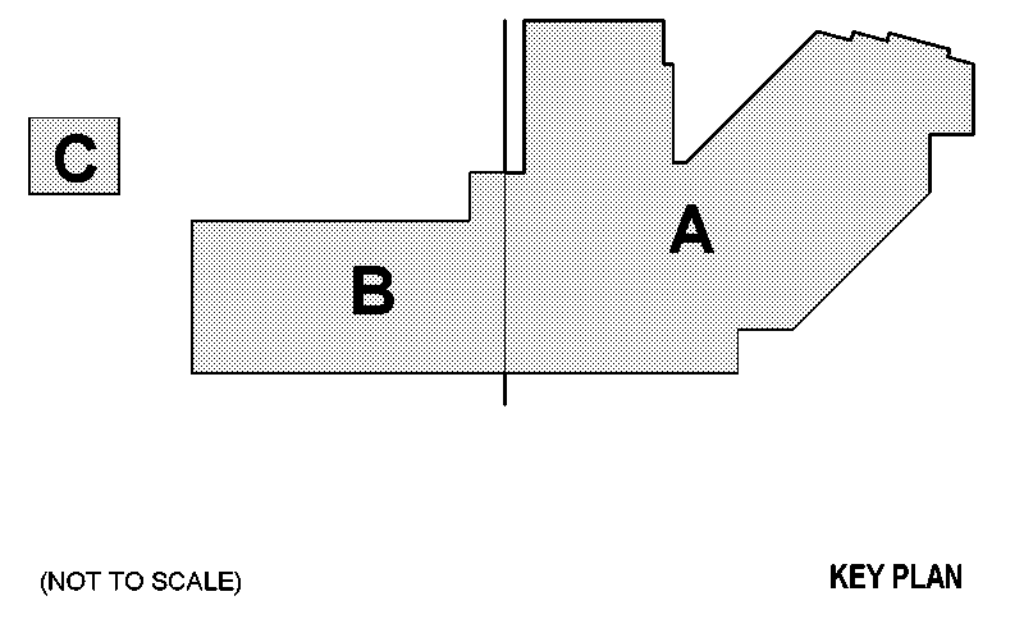
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FIRM #15868 12JUL2024	

ELECTRICAL POWER PLAN - LEVEL 01

DRAWN BY JN	CHECKED BY DR
PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

EP-101
SHEET NUMBER

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USER NAME: JLN
DATE/TIME: 11/25/2024 4:02:08 PM



1 ELECTRICAL POWER PLAN - LEVEL 01 - OVERALL
SCALE: 3/8" = 1'-0"

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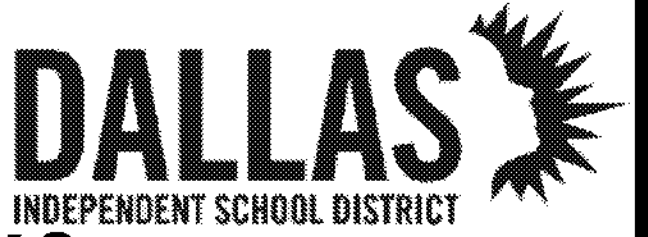
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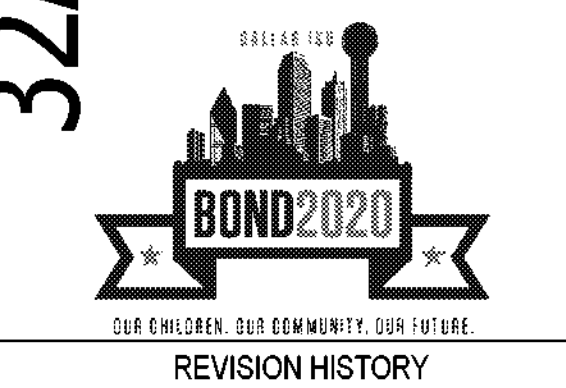
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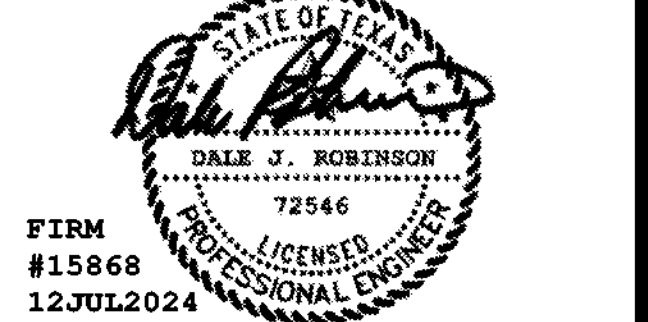
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REVISION HISTORY

REVISION DESCRIPTION DATE

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ELECTRICAL POWER PLAN - LEVEL 01
 - AREA A

DRAWN BY JN CHECKED BY DR
 PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
 ORIGINAL ISSUE DATE 12 JULY 2024
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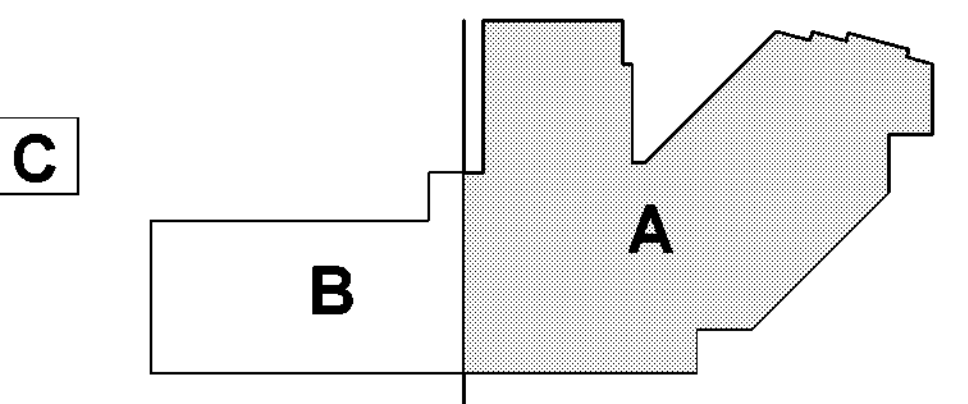
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- GENERAL NOTES**
- SEE SHEET E-001 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
 - COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
 - COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
 - OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
 - CONTRACTOR TO COORDINATE WITH CIVIL DRAWINGS FOR ADJACENT UTILITIES.
 - MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE.
 - COORDINATE WITH TECHNOLOGY DRAWINGS TO PROVIDE FOR CONDUIT AND BACK BOXES ASSOCIATED WITH CARD READER ACCESS AND SECURITY CAMERAS.
 - COORDINATE LOCATIONS OF VFD/CONNECTS FOR MECHANICAL EQUIPMENT.

- KEYED NOTES**
- | NUMBER | DESCRIPTION |
|--------|---|
| 1 | PROVIDE STEP LIGHTS IN OUTDOOR RETAINING WALL. COLE LIGHTING C704LED-RETROFIT-STEP-LIGHTS TO REPLACE EXISTING. TOTAL CONTRACTOR TO ENSURE WIRING IS IN WORKING ORDER TO EACH FIXTURE AND WIRING REPLACED AS NEEDED. WIRING TO BE CONNECTED VIA THE SCHOOL'S PROTOCOL. |
| 2 | NEW ACCENT LIGHTS TO BE PLACED ON SAME CIRCUIT AS RETAINING WALL STEP LIGHTS (QTY 4). |
| 3 | COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND REQUIREMENTS FOR REPLACEMENT OF WATER PLUMBING. CONTRACTOR SHALL USE EXISTING POWER. |
| 5 | RELOCATED RECEPTACLE. CONTRACTOR TO INSTALL FLUSH WITH THE WALL WITH A COVER PLATE MATCHING EXISTING COLOR. EXTEND EXISTING POWER CIRCUIT AS NEEDED CONCEALED IN THE NEW WALL. |
| 6 | REFERENCE SHEET EM-100 FOR MECHANICAL UNIT POWER INFORMATION. |
| 7 | NEW QUAD RECEPTACLE TO BE POWERED USING CIRCUIT FROM DEMO'ED WALL RECEPTACLE. |



(NOT TO SCALE)

1 ELECTRICAL POWER PLAN - LEVEL 01 - AREA A
 SCALE: 1/16" = 1'-0"

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REVISION	DESCRIPTION	DATE

PROFESSIONAL SEALS

FIRM #15868
 12 JUL 2024

ELECTRICAL POWER PLAN - LEVEL 01
 - AREA B

DRAWN BY: JN CHECKED BY: DR
 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
 ORIGINAL ISSUE: 12 JULY 2024
 100% ISSUE FOR CONSTRUCTION

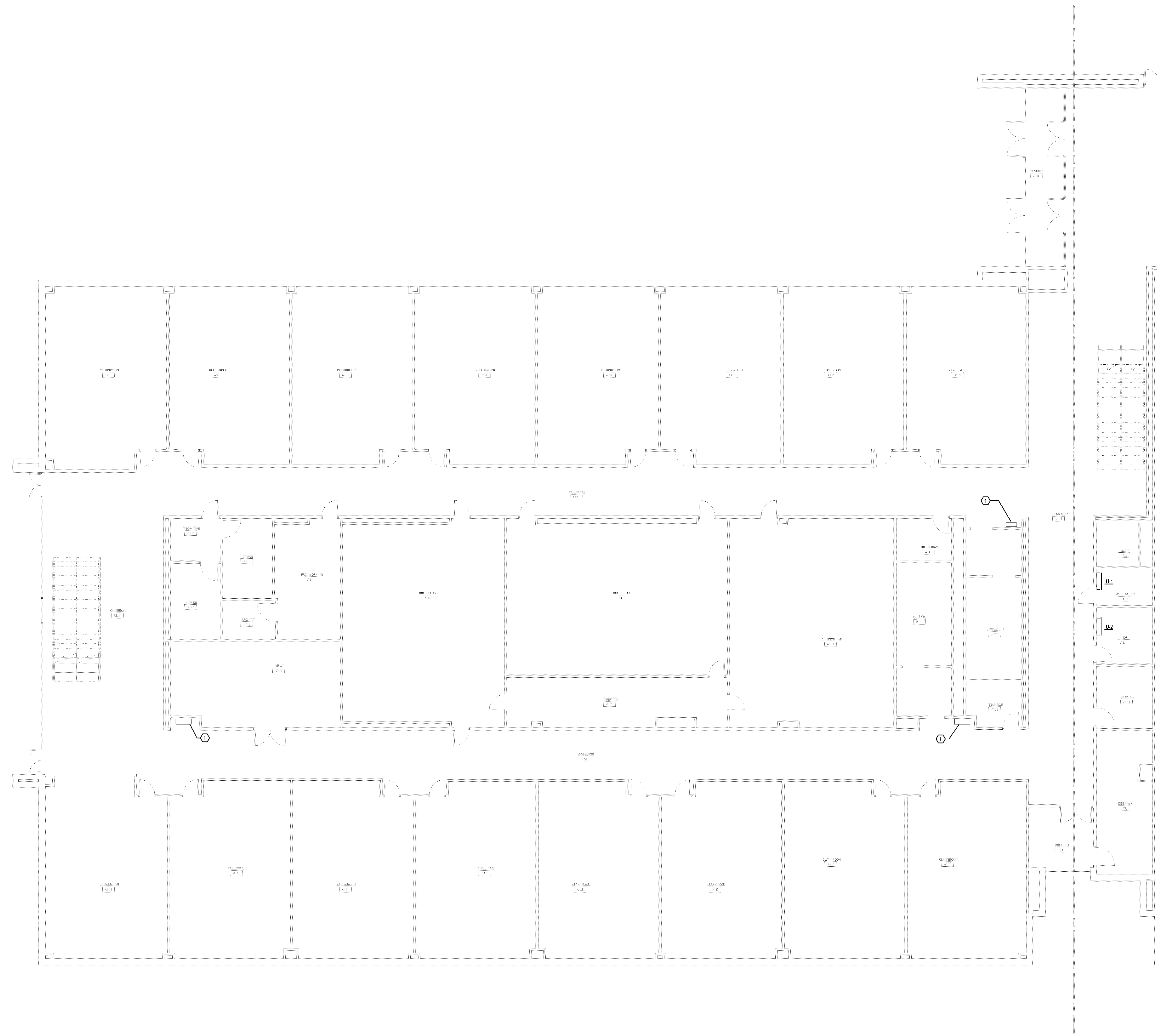
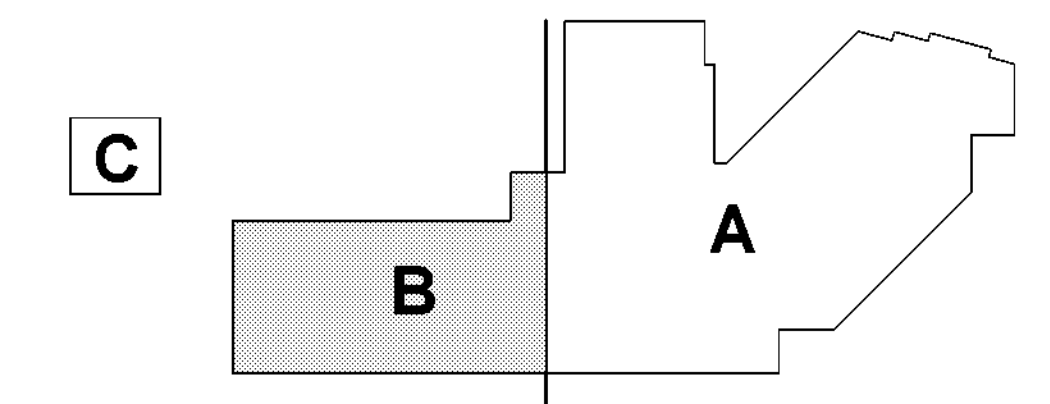
EP-101B
 SHEET NUMBER

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- ### GENERAL NOTES
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 - COORDINATE LOCATIONS OF VFD/DISCONNECTS FOR MECHANICAL EQUIPMENT.

- ### KEYED NOTES
- | NUMBER | DESCRIPTION |
|--------|---|
| 1 | COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND REQUIREMENTS FOR REPLACEMENT OF WATER FOUNTAIN. CONTRACTOR SHALL USE EXISTING POWER. |



1 ELECTRICAL POWER PLAN - LEVEL 01 - AREA B
 SCALE: 1/8" = 1'-0"

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KEY PLAN

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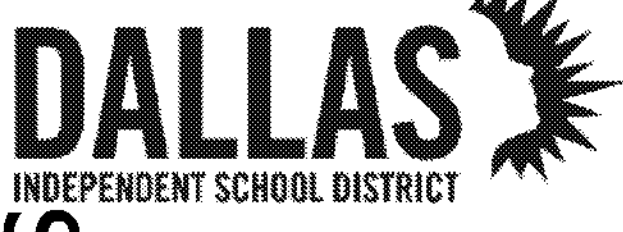
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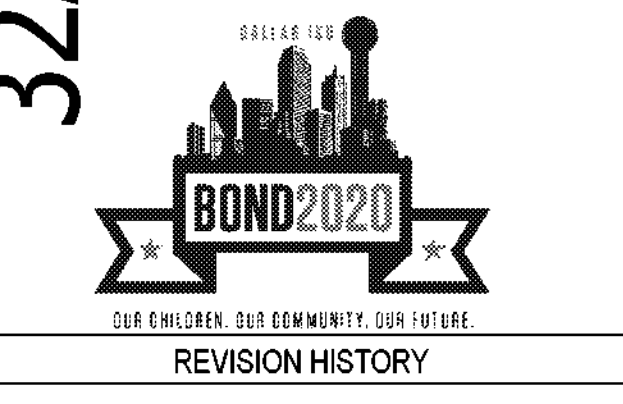
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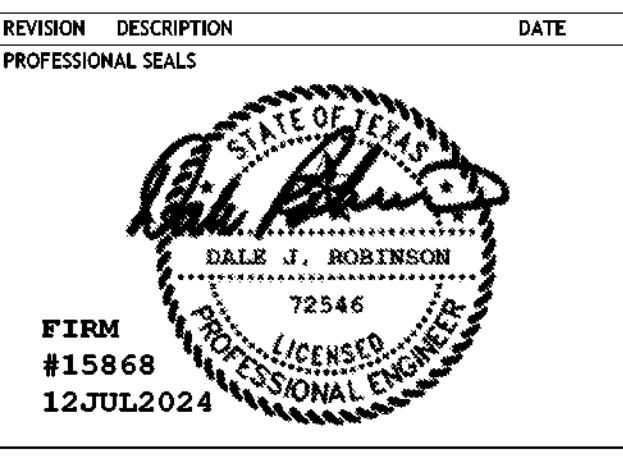
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REVISION HISTORY table with columns: REVISION, DESCRIPTION, DATE



ELECTRICAL POWER PLAN - LEVEL 01 - AREA C
- AREA C
DRAWN BY: JN CHECKED BY: DR
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

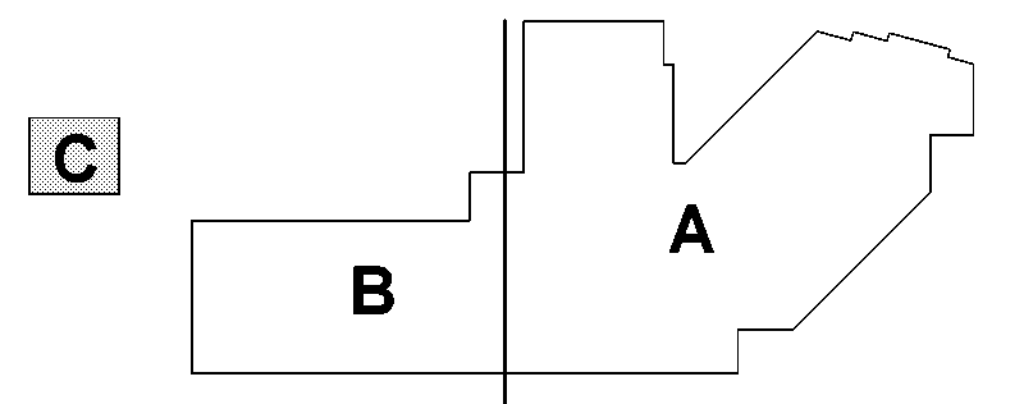
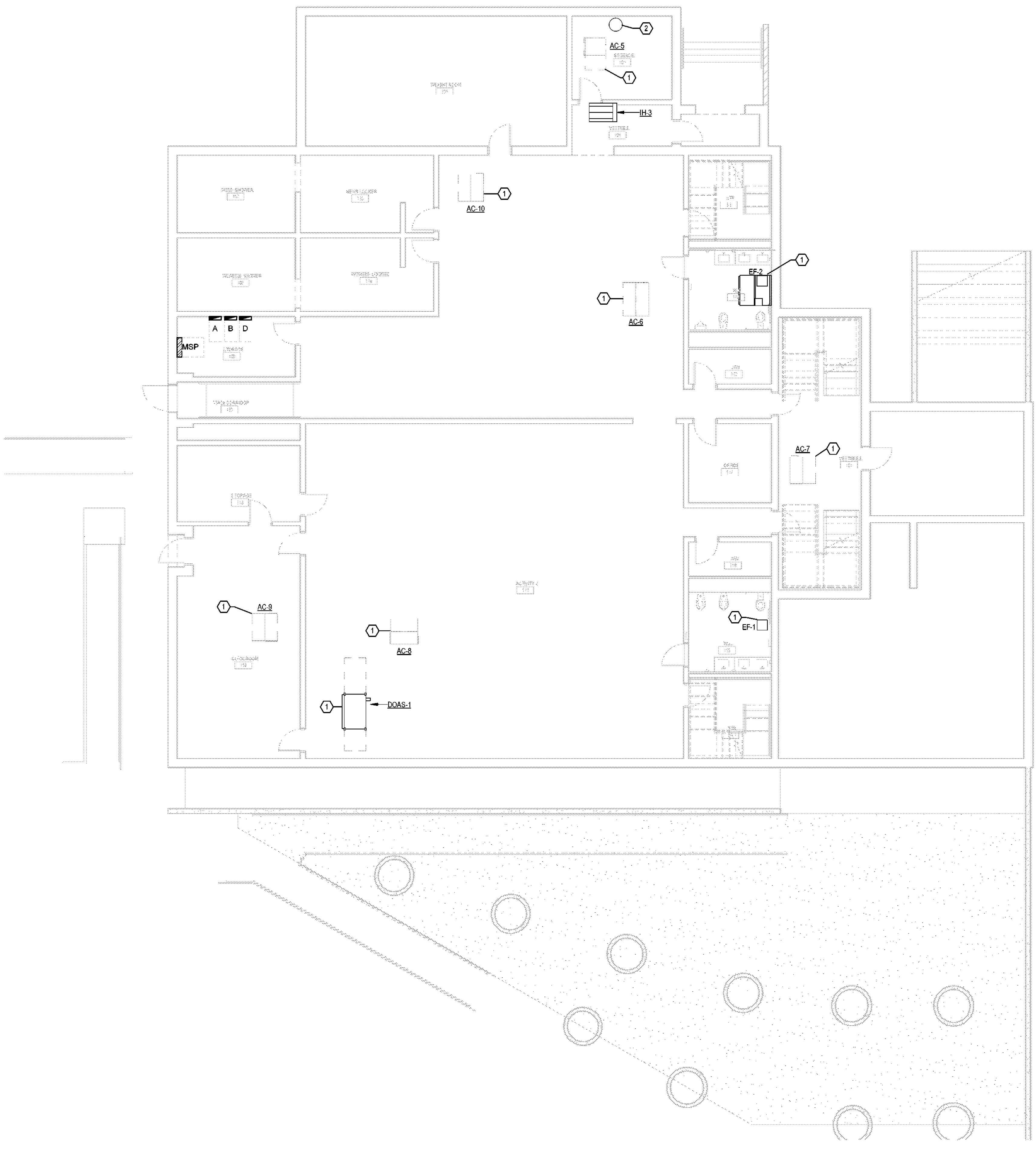
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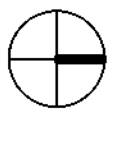
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- GENERAL NOTES A-F: SEE SHEET E-001 FOR SYMBOL LEGEND, REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS. CONTRACTOR TO COORDINATE WITH CIVIL DRAWINGS FOR ADJACENT UTILITIES. MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE. COORDINATE WITH TECHNOLOGY DRAWINGS TO PROVIDE FOR CONDUIT AND BACK BOXES ASSOCIATED WITH CARD READER ACCESS AND SECURITY CAMERAS. COORDINATE LOCATIONS OF VFD/CONNECTS FOR MECHANICAL EQUIPMENT.

- KEYED NOTES 1: REFERENCE SHEET EM-100 FOR MECHANICAL UNIT POWER INFORMATION. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND REQUIREMENTS FOR REPLACEMENT OF EXISTING WATER HEATER. CONTRACTOR SHALL USE EXISTING POWER.



1 ELECTRICAL POWER PLAN - LEVEL 01 - AREA C SCALE: 1/8" = 1'-0"



(NOT TO SCALE)

KEY PLAN

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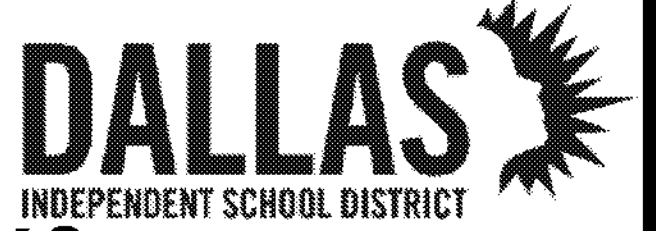
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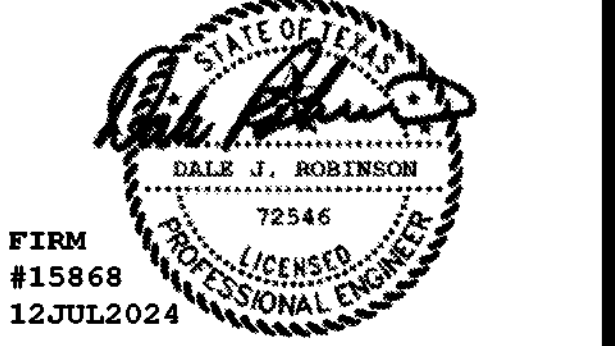
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REVISION HISTORY

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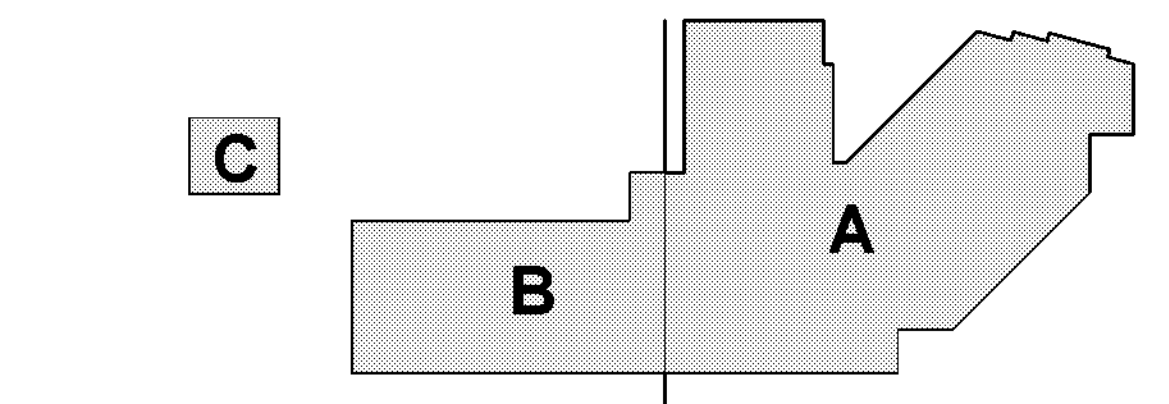


ELECTRICAL POWER PLAN - LEVEL 02

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PROJECT NUMBER	32AC23037	PROJECT ABBREVIATION	GEAA
ORIGINAL CODE	100% ISSUE FOR CONSTRUCTION	DATE	12 JULY 2024

EP-102

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KEY PLAN

1 ELECTRICAL POWER PLAN - LEVEL 02 - OVERALL
SCALE: 1" = 20'-0"

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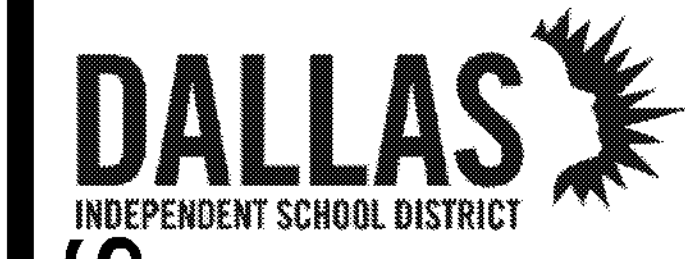
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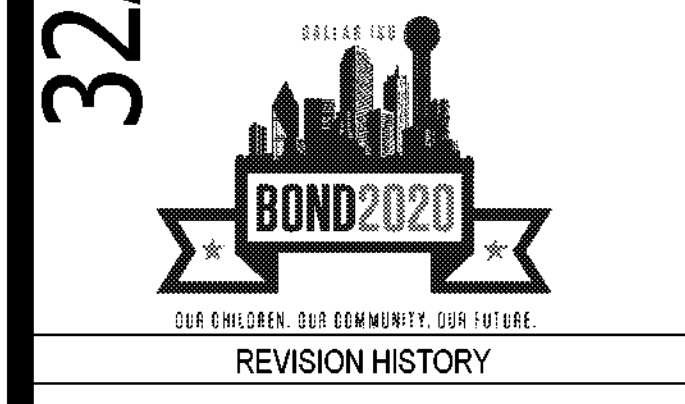
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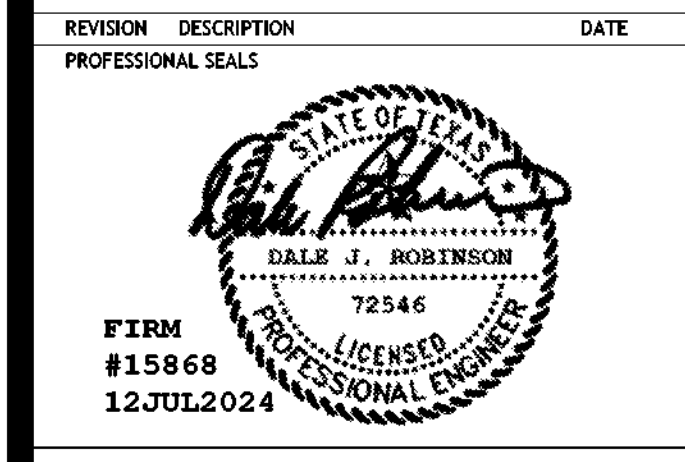


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REVISION HISTORY

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ELECTRICAL POWER PLAN - LEVEL 02
- AREA A

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PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: DATE: 12 JULY 2024
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- GENERAL NOTES**
- A. SEE SHEET E-001 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
 - B. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
 - C. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
 - D. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
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 - G. COORDINATE WITH TECHNOLOGY DRAWINGS TO PROVIDE FOR CONDUIT AND BACK BOXES ASSOCIATED WITH CARD READER ACCESS AND SECURITY CAMERAS.
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- KEYED NOTES**
- | NUMBER | DESCRIPTION |
|--------|---|
| 1 | COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND REQUIREMENTS FOR REPLACEMENT OF WATER FOUNTAIN. CONTRACTOR SHALL USE EXISTING POWER. |
| 2 | REFERENCE SHEET EM-100 FOR MECHANICAL UNIT POWER INFORMATION. |



1 ELECTRICAL POWER PLAN - LEVEL 02 - AREA A
SCALE: 1/16" = 1'-0"

(NOT TO SCALE)

KEY PLAN

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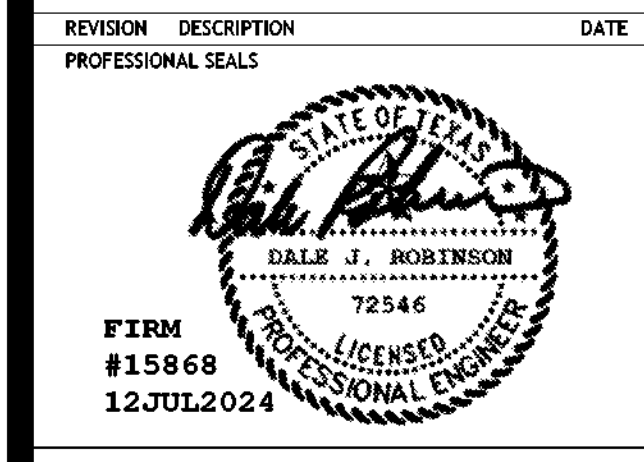


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NUMBER	DESCRIPTION	DATE



ELECTRICAL POWER PLAN - LEVEL 02 - AREA B

DRAWN BY: JN CHECKED BY: DR
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION DATE: 12 JULY 2024

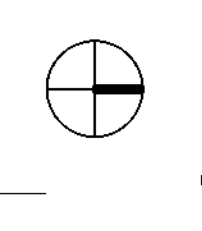
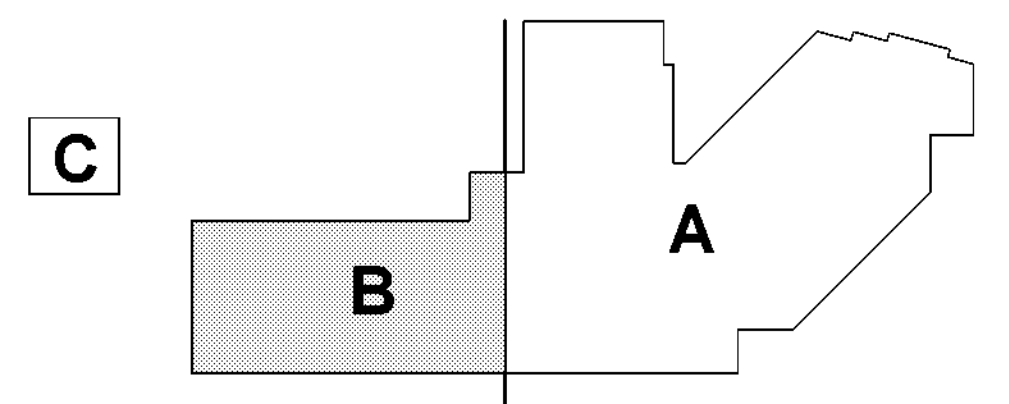
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1 ELECTRICAL POWER PLAN - LEVEL 02 - AREA B
SCALE: 1/8" = 1'-0"

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KEY PLAN

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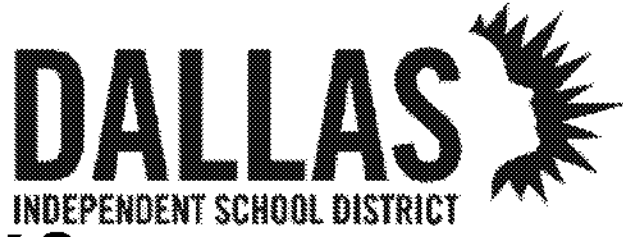
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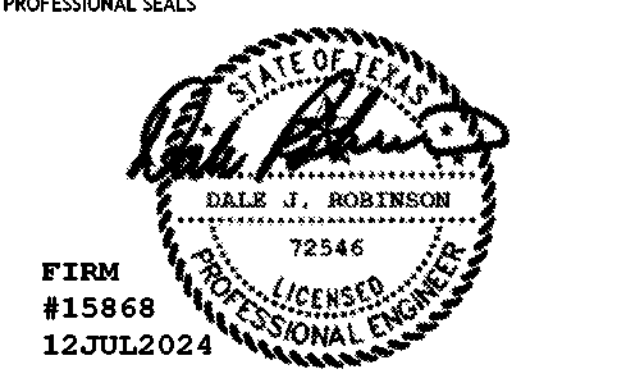
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REVISION HISTORY

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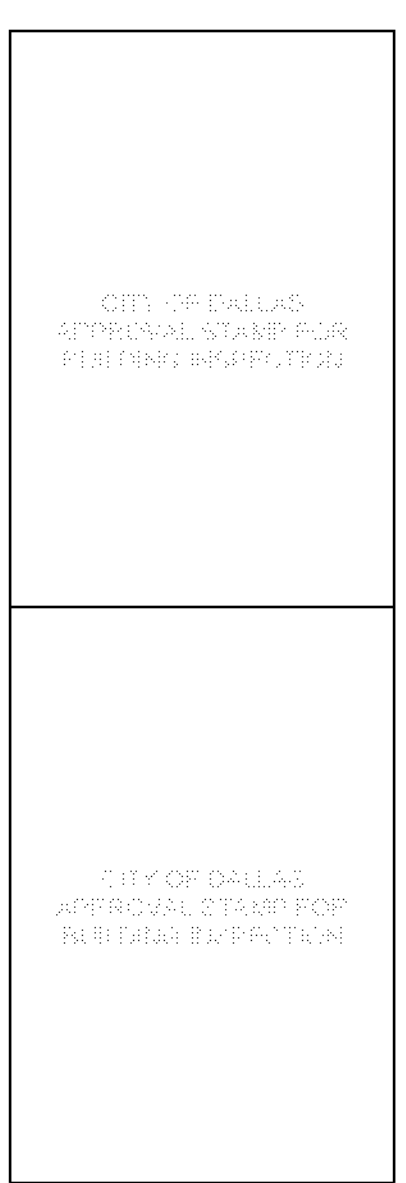
PROFESSIONAL SEALS



ELECTRICAL POWER PLAN - LEVEL 02 - AREA C

DRAWN BY JN	CHECKED BY DR
PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE	DATE 12 JULY 2024
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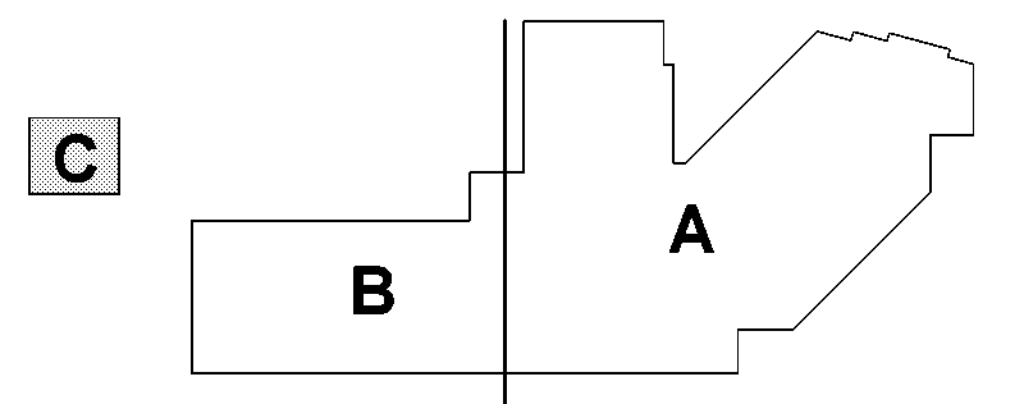
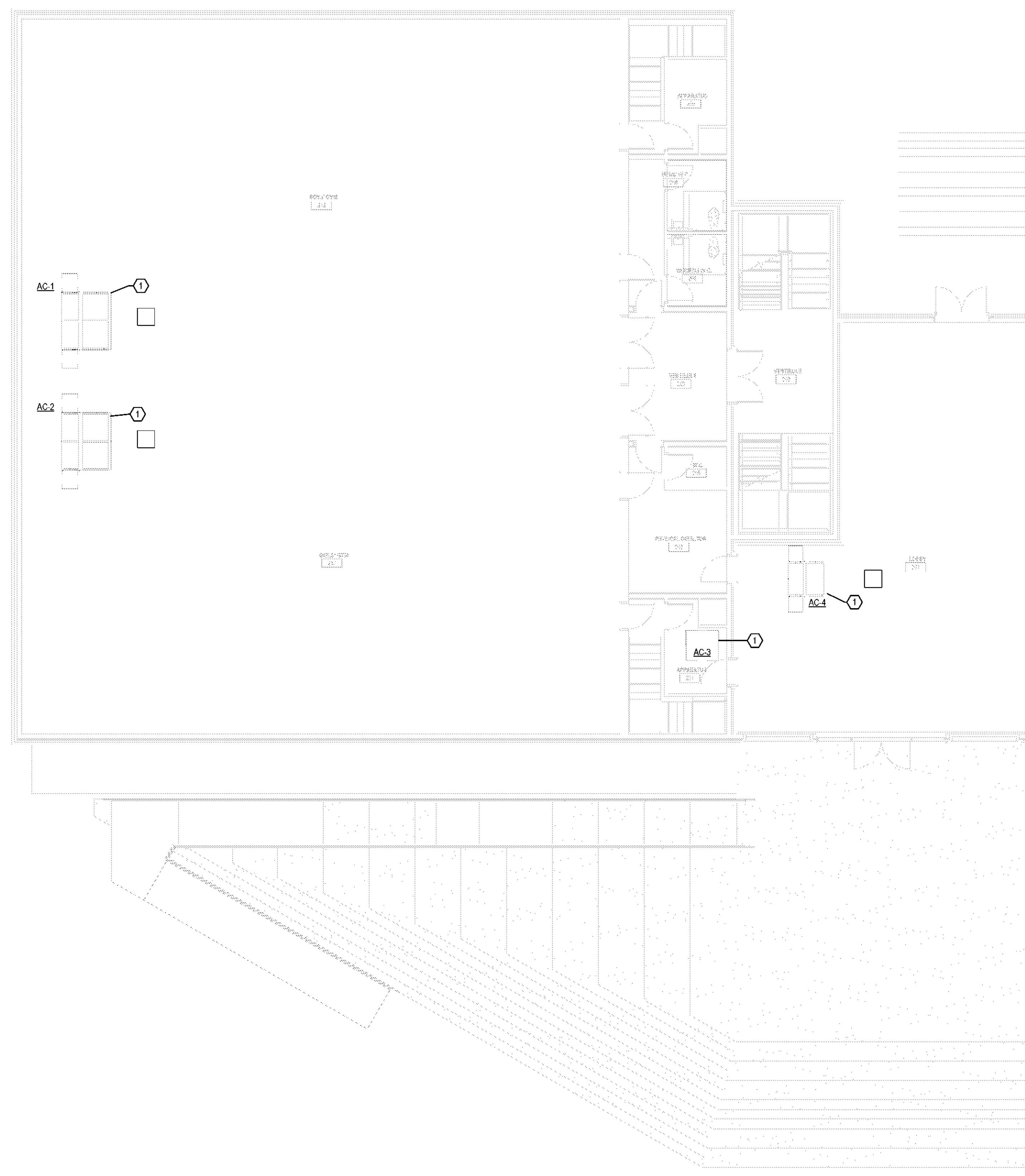
EP-102C
SHEET NUMBER



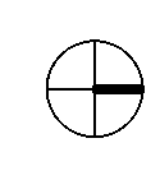
- #### GENERAL NOTES
- A. SEE SHEET E-001 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
 - B. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
 - C. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
 - D. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
 - E. CONTRACTOR TO COORDINATE WITH CIVIL DRAWINGS FOR ADJACENT UTILITIES.
 - F. MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE.
 - G. COORDINATE WITH TECHNOLOGY DRAWINGS TO PROVIDE FOR CONDUIT AND BACK BOXES ASSOCIATED WITH CARD READER ACCESS AND SECURITY CAMERAS.
 - F. COORDINATE LOCATIONS OF VFD/DISCONNECTS FOR MECHANICAL EQUIPMENT.

KEYED NOTES

NUMBER	DESCRIPTION
1	REFERENCE SHEET EM-100 FOR MECHANICAL UNIT POWER INFORMATION.



1 ELECTRICAL POWER PLAN - LEVEL 02 - AREA C
SCALE: 1/8" = 1'-0"



(NOT TO SCALE)

KEY PLAN

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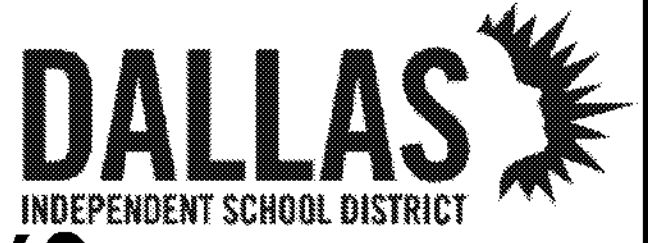
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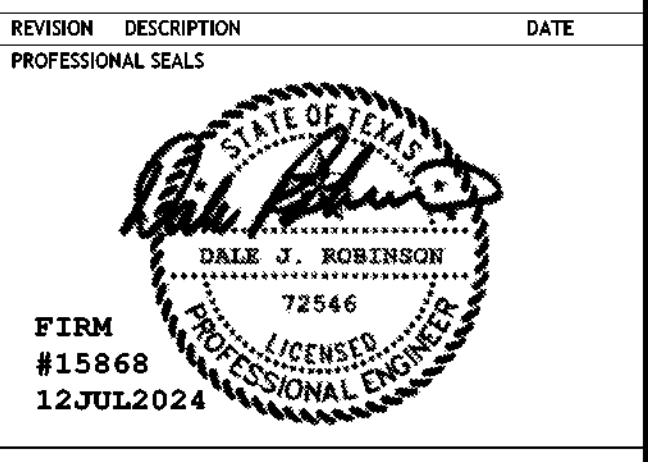


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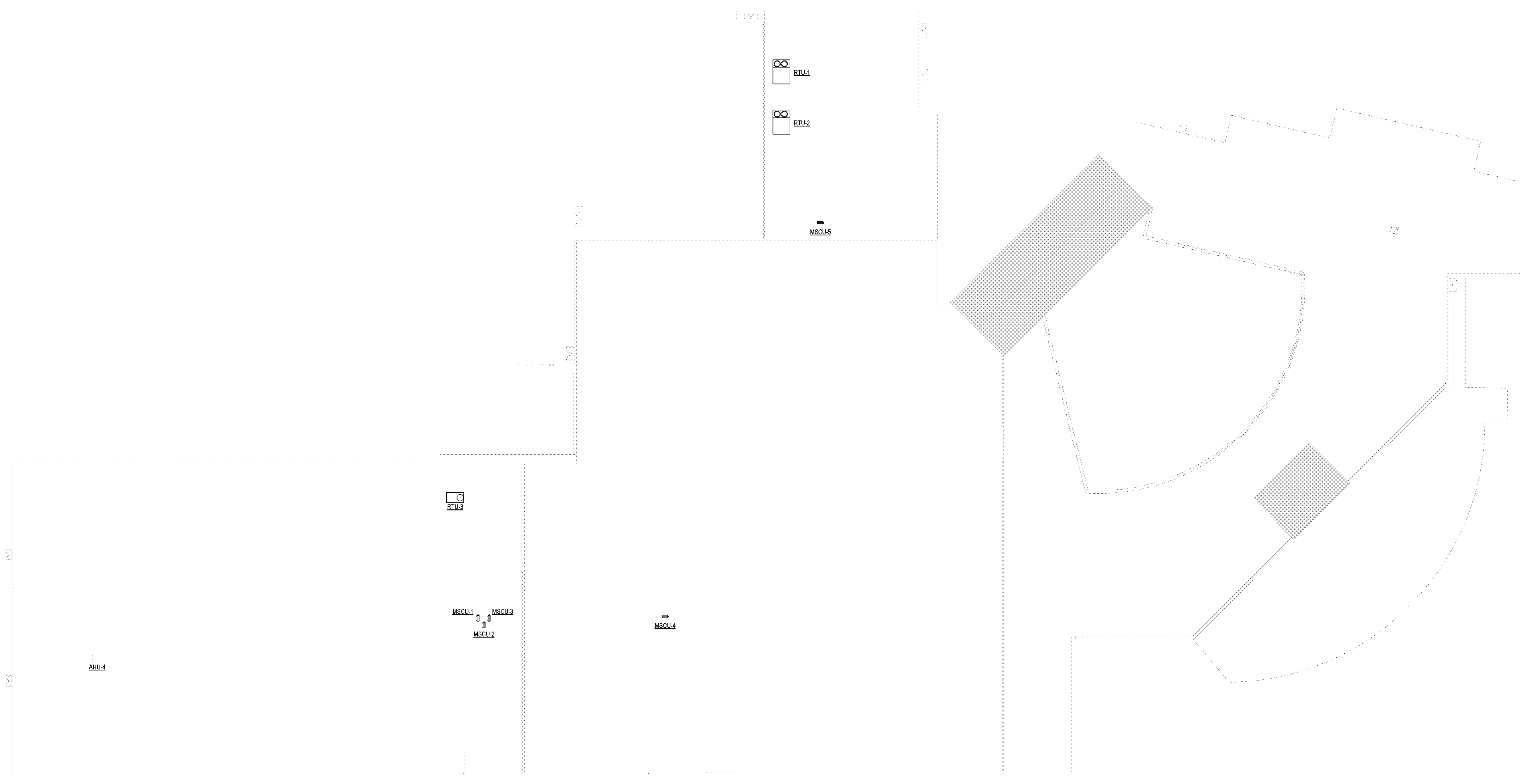


ELECTRICAL POWER PLAN - ROOF

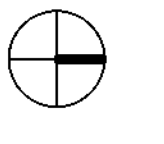
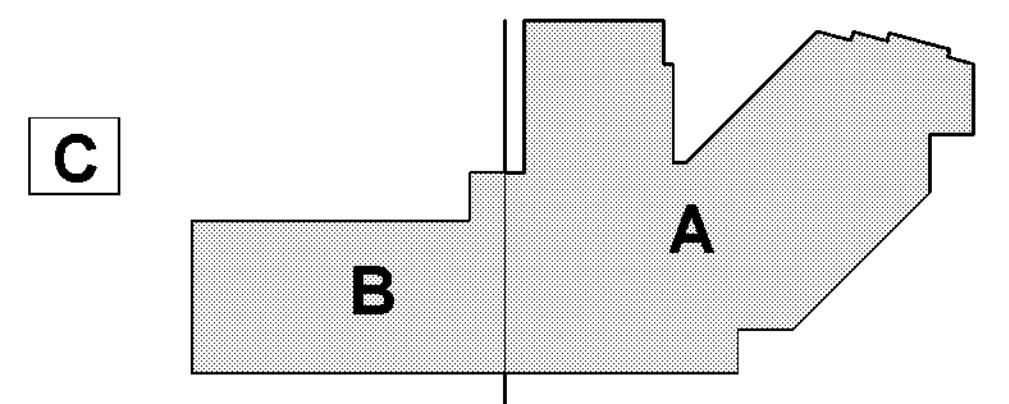
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PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA
ORIGINAL ISSUE 100% ISSUE FOR CONSTRUCTION	DATE 12 JULY 2024

EP-103
SHEET NUMBER

- GENERAL NOTES**
- SEE SHEET E-001 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
 - COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
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 - COORDINATE LOCATIONS OF VFD/DISCONNECTS FOR MECHANICAL EQUIPMENT.



NOTE: CONTRACTOR TO REFERENCE SHEET EM-100 FOR MECHANICAL UNIT POWER CONNECTION INFORMATION



(NOT TO SCALE)

KEY PLAN

1 ELECTRICAL POWER PLAN - ROOF
SCALE: 3/64" = 1'-0"

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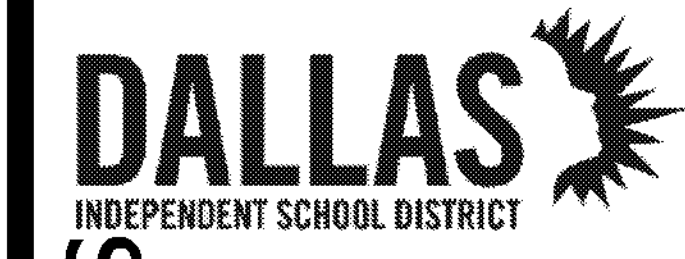
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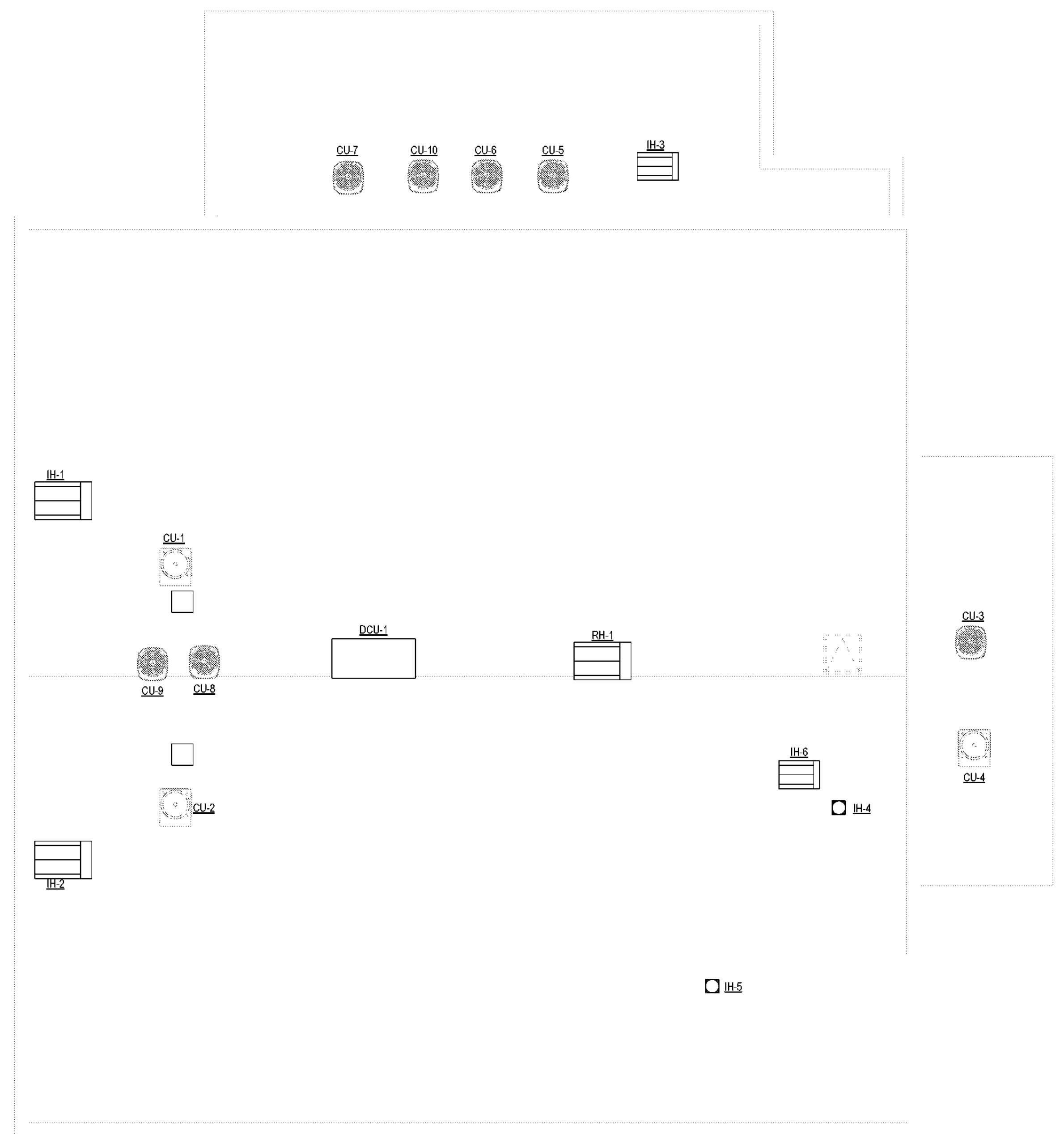
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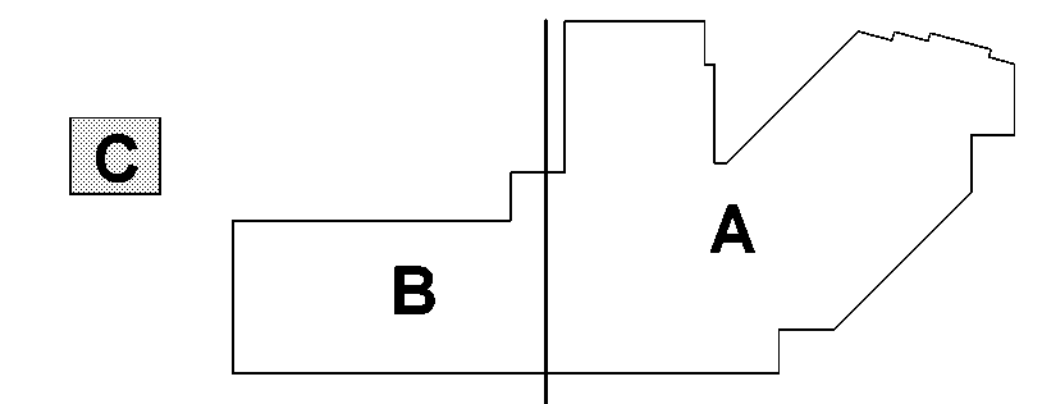
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- GENERAL NOTES**
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NOTE: CONTRACTOR TO REFERENCE SHEET EM-100 FOR MECHANICAL UNIT POWER CONNECTION INFORMATION



1 ELECTRICAL POWER PLAN - ROOF - AREA C
SCALE: 1/8" = 1'-0"

(NOT TO SCALE)

KEY PLAN

32AC23037- Greiner Exploratory Arts Academy

Academy
501 S Edgeland Ave
Dallas, TX 75208



REVISION	DESCRIPTION	DATE

PROFESSIONAL SEALS

FIRM #15868
12JUL2024

ELECTRICAL POWER PLAN - ROOF - AREA C

DRAWN BY: JN
CHECKED BY: DR
PROJECT NUMBER: 32AC23037
PROJECT ABBREVIATION: GEAA
ORIGINAL ISSUE: 12 JULY 2024
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EP-103C
SHEET NUMBER

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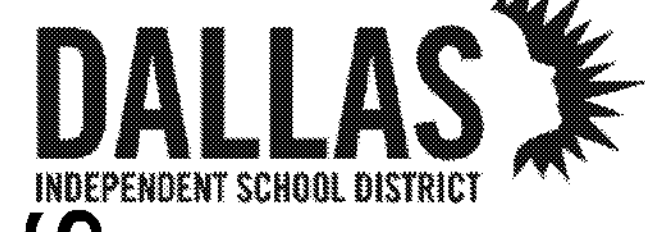
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Note 1 - Contractor to verify existing voltage, amperage of circuit breaker and location of panel. Relay this information to EOR.

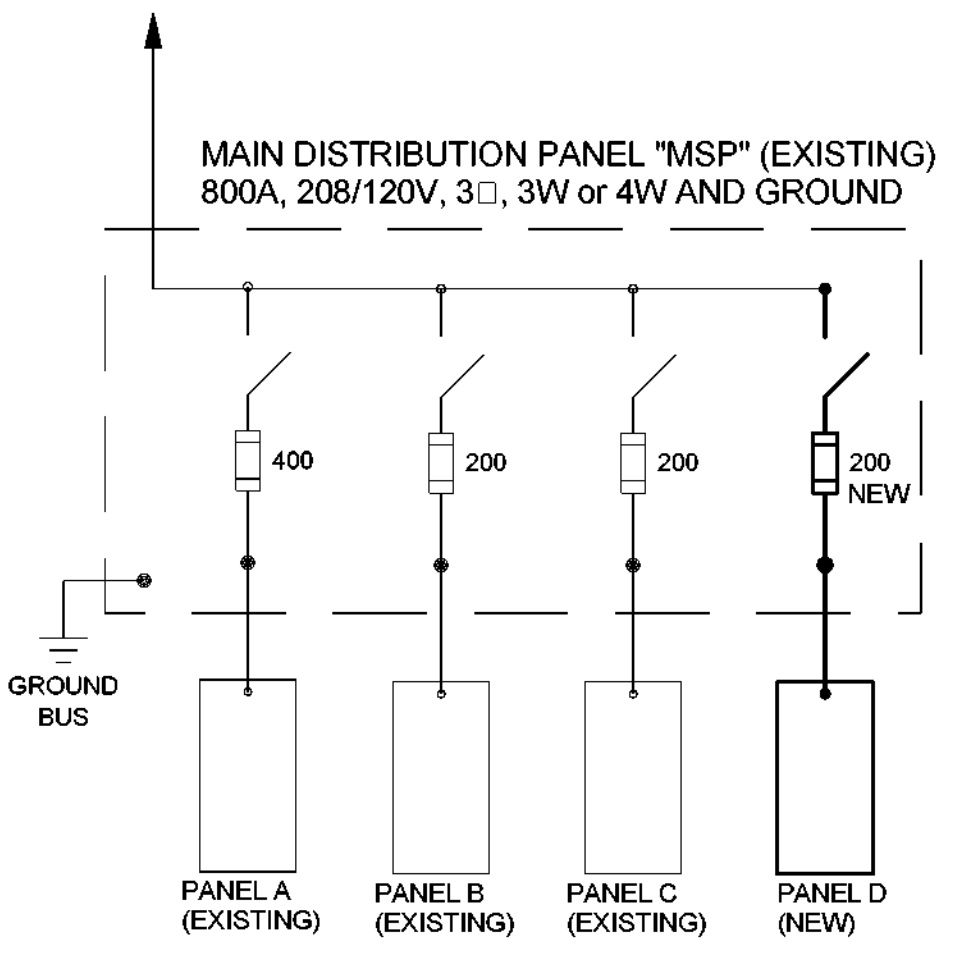
MECHANICAL GENERAL NOTES
A. CONTRACTOR CANNOT ORDER THE NEW HVAC EQUIPMENT UNTIL IT IS VERIFIED THE EXISTING POWER AVAILABLE TO WHICH THE UNIT WILL BE CONNECTED CAN ACCEPT THE NEW EQUIPMENT.

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FEEDER SCHEDULE - 800V MAX. Table with columns: FEEDER TAG, MOTOR TAG, DESCRIPTION, FEEDER TAG, DESCRIPTION. Lists various feeder and motor specifications.

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MECHANICAL/ELECTRICAL CONNECTIONS
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EM-100 SHEET NUMBER

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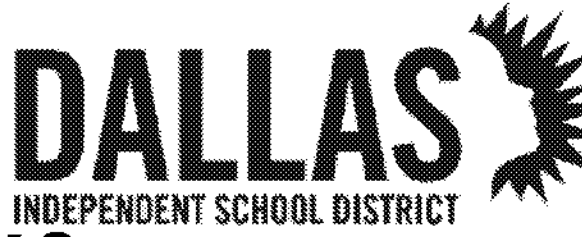
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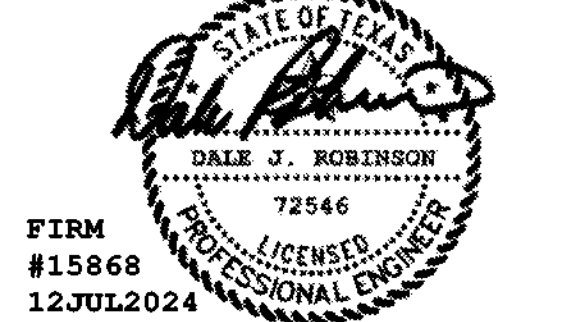
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REVISION HISTORY

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FIRE ALARM PLAN - LEVEL 01

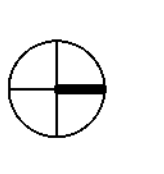
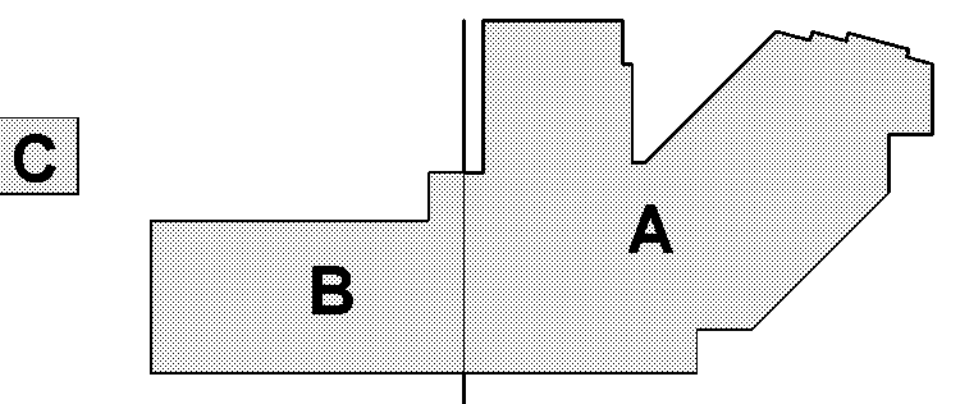
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 PROJECT NUMBER 32AC23037 PROJECT ABBREVIATION GEAA
 ORIGINAL CODE DATE 12 JULY 2024
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EF-101
 SHEET NUMBER

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- GENERAL NOTES**
- A. CONTRACTOR TO REPLACE ENTIRE FIRE ALARM SYSTEMS INCLUDING PANELS, STROBES, DAMPERS, FIRE PULLS, AND WIRING. NEIGHBORING BUILDING (AREA C) WILL BE MONITORED BY MAIN FIRE ALARM PANEL IN THE SCHOOL OFFICE.
 - B. SEE SHEET E-001 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
 - C. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
 - D. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
 - E. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
 - F. FIRE ALARM SYSTEMS TO BE ADDRESSIBLE.
 - G. FIRE ALARM PANELS ARE TO HAVE INTERNAL DIALERS.
 - H. 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.
 - I. FIRE ALARM SYSTEM TO HAVE SURGE PROTECTION AT EACH LOCATION THE SIGNALING LINE CIRCUIT LEAVES THE MAIN BUILDING OR RETURNS TO THE BUILDING.
 - J. FIRE ALARM SYSTEM TO HAVE INTEGRAL MASS NOTIFICATION.
 - K. PULL STATION PROTECTORS WITH INTEGRAL HORN ARE REQUIRED FOR ALL MANUAL PULL STATIONS IN GYMNASIUM.
 - L. 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.
 - M. ALL BUILDINGS ON CAMPUS TO BE CONNECTED TO THE MAIN FACP.
 - N. ALL EXISTING PANELS, DEVICES, AND WIRING TO BE REMOVED UPON INSTALLATION OF NEW SYSTEMS.
 - O. FACP TO BE LOCATED IN THE MAIN ADMINISTRATIVE OFFICE.
 - P. ALL FIRE ALARM A/C BREAKERS TO HAVE LOCK ON DEVICES INSTALLED PER NEC TO ELECTRICAL CODE.
 - Q. FIRE ALARM TO BE ZONED SEPARATELY FOR AUDITORIUMS AND BLACK BOX THEATERS FOR USE OF HAZE, FOG, OR OTHER ATMOSPHERICS IN PERFORMANCE. COORDINATE WITH THEATER CONSULTANT AND DALLAS SD FIRE ARTS.
 - R. PROVIDE AN OVERRIDE FOR THE SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM AND CAFETERIA. OVERRIDE IS FOR THE MICROPHONE/SOUND SYSTEMS IN THIS AREA.
 - S. FIRE ALARM INSTALLER STICKER TO BE ATTACHED ON THE FA PANEL.
 - T. AS BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX.
 - U. FA GREEN TAG TO BE ATTACHED WITH THE FA PANEL AND INSTALLATION STICKER INSTALLED.
 - V. UPON COMPLETION OF FA AND/OR PA SCOPE, CONTACT DSD FACILITIES COORDINATOR WITH AECOM (M TO) FOR DSD FACILITIES TO VERIFY/COMMISSION THE SYSTEM PRIOR TO THE SUBSTANTIAL COMPLETION WALL.
 - W. THE CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (STROBES, PULL DOWNS, DETECTORS, ETC.) FOR DSD PICKUP.
 - X. FIRE ALARM ANNUNCIATOR TO BE INSTALLED IN THE SECURED VESTIBULE.
 - Y. FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
 - Z. FIRE ALARM CONTRACTOR TO INCLUDE RADIO COMMUNICATIONS TESTING IN PART OF THIS SCOPE AS REQUIRED BY THE CITY OF DALLAS.
 - AA. SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED.
 - AB. ELEVATOR HOISTWAY: SPRINKLER AT TOP OF SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD.
 - AC. AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FA CONTRACTOR CONNECTS/TERMINATES THE NEW FA WIRING WITH THE ELEVATOR CONTROLLER.
 - AD. DURING THE CITY FA INSPECTION AN ELEVATOR CONTRACTOR MUST BE PRESENT.



(NOT TO SCALE)

KEY PLAN

1 FIRE ALARM PLAN - LEVEL 01 - OVERALL
 SCALE: 3/64" = 1'-0"

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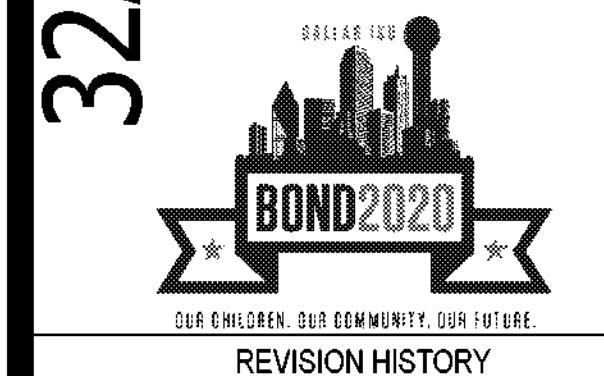
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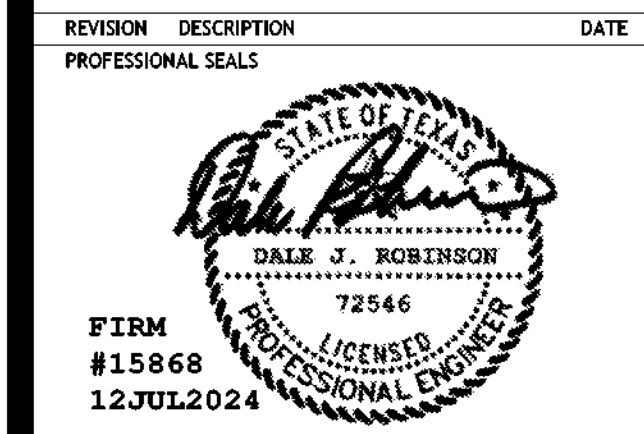


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FIRE ALARM PLAN - LEVEL 01 - AREA A

DRAWN BY: JN CHECKED BY: DR
 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEA
 ORIGINAL ISSUE: DATE: 12 JULY 2024
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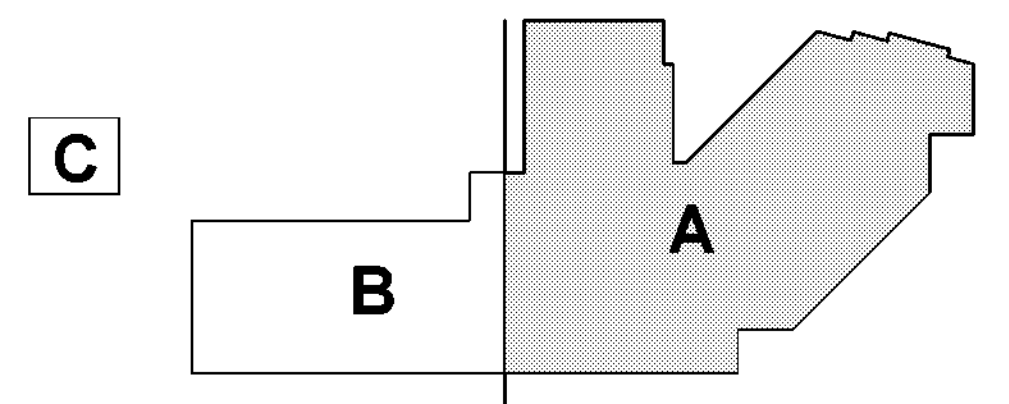


GENERAL NOTES

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- ALL BUILDINGS ON CAMPUS TO BE CONNECTED TO THE MAIN FACP.
- ALL EXISTING PANELS, DEVICES, AND WIRING TO BE REMOVED UPON INSTALLATION OF NEW SYSTEMS.
- FACP TO BE LOCATED IN THE MAIN ADMINISTRATIVE OFFICE.
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- AS BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX.
- FA GREEN TAG TO BE ATTACHED WITH THE FA PANEL AND INSTALLATION STICKER INSTALLED.
- UPON COMPLETION OF FA AND/OR PA SCOPE, CONTACT DISD FACILITIES (COORDINATE WITH AECOM PM TO) FOR DISD FACILITIES TO VERIFY/COMMISSION THE SYSTEM PRIOR TO THE SUBSTANTIAL COMPLETION WALK.
- THE CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (STROBES, PULL DOWNS, DETECTORS, ETC.) FOR DISD PICKUP.
- FIRE ALARM ANNUNCIATOR TO BE INSTALLED IN THE SECURED VESTIBULE.
- FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 770P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
- FIRE ALARM CONTRACTOR TO INCLUDE RADIO COMMUNICATIONS TESTING IN PART OF THIS SCOPE AS REQUIRED BY THE CITY OF DALLAS.
- SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED.
- ELEVATOR HOISTWAY SPRINKLER AT TOP OF SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD.
- AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FA CONTRACTOR CONNECTS/TERMINATES THE NEW FA WIRING WITH THE ELEVATOR CONTROLLER.
- DURING THE CITY FA INSPECTION AN ELEVATOR CONTRACTOR MUST BE PRESENT.

KEYED NOTES

NUMBER	DESCRIPTION
1	EXISTING MAIN FIRE ALARM PANELS TO BE REPLACED. FIRE ALARM SYSTEM TO REMAIN IN OPERATION THROUGHOUT THE REPLACEMENT. COORDINATE WITH ALL OTHER TRADES.
2	LOCATION OF NEW FIRE ALARM ANNUNCIATOR PANEL.
3	LOCATION OF NEW FIRE ALARM PANEL.



(NOT TO SCALE)

KEY PLAN

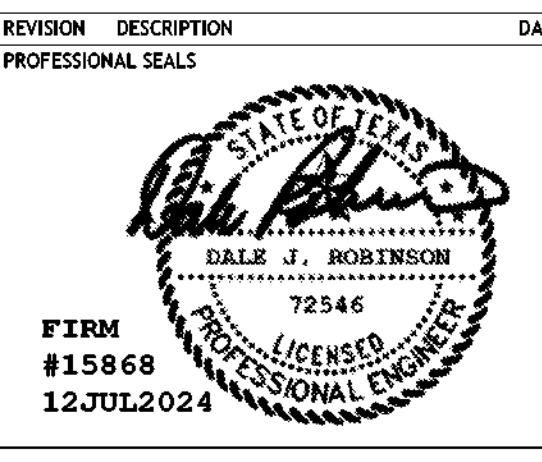
1 FIRE ALARM PLAN - LEVEL 01 - AREA A
 SCALE: 1/16" = 1'-0"

FILE PATH: Autodesk Docs://32AC23037-Greiner Exploratory Arts Academy/32AC23037-E-R23-CENTRAL.rvt
 USER NAME: DATEPLOT: 11/25/2024 4:02:50 PM



REVISION HISTORY

REVISION	DESCRIPTION	DATE



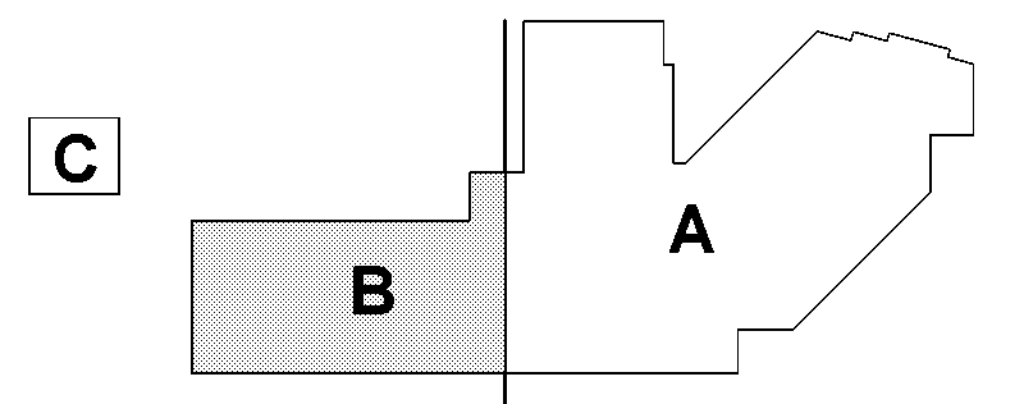
FIRE ALARM PLAN - LEVEL 01 - AREA B

DRAWN BY	JN	CHECKED BY	DR
PROJECT NUMBER	32AC23037	PROJECT ABBREVIATION	GAA
ORIGINAL ISSUE	100% ISSUE FOR CONSTRUCTION	DATE	12 JULY 2024

CITY OF DALLAS
 APPROVAL STAMP FOR
 FIRE ALARM PLAN

CITY OF DALLAS
 APPROVAL STAMP FOR
 BUILDING DEPARTMENT

- GENERAL NOTES**
- A. CONTRACTOR TO REPLACE ENTIRE FIRE ALARM SYSTEMS INCLUDING PANELS, STROBES, CHIMERS, FIRE PULLS AND WIRING. NEIGHBORING BUILDING (AREA C) WILL BE MONITORED BY MAIN FIRE ALARM PANEL IN THE SCHOOL OFFICE.
 - B. SEE SHEET E-001 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
 - C. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
 - D. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
 - E. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
 - F. FIRE ALARM SYSTEMS TO BE ADDRESSIBLE.
 - G. FIRE ALARM PANELS ARE TO HAVE INTERNAL DIALERS.
 - H. 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.
 - I. FIRE ALARM SYSTEM TO HAVE SURGE PROTECTION AT EACH LOCATION THE SIGNALING LINE CIRCUIT LEAVES THE MAIN BUILDING OR RETURNS TO THE BUILDING.
 - J. FIRE ALARM SYSTEM TO HAVE INTEGRAL MASS NOTIFICATION.
 - K. PULL STATION PROTECTORS WITH INTEGRAL HORN ARE REQUIRED FOR ALL MANUAL PULL STATIONS IN GYMNASIUM.
 - L. 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.
 - M. ALL BUILDINGS ON CAMPUS TO BE CONNECTED TO THE MAIN FACP.
 - N. ALL EXISTING DEVICES, PANELS, AND WIRING TO BE REMOVED UPON INSTALLATION OF NEW SYSTEMS.
 - O. FACP TO BE LOCATED IN THE MAIN ADMINISTRATIVE OFFICE.
 - P. ALL FIRE ALARM A/C BREAKERS TO HAVE LOCK ON DEVICES INSTALLED PER NEC TO ELECTRICAL CODE.
 - Q. FIRE ALARM TO BE ZONED SEPARATELY FOR AUDITORIUMS AND BLACK BOX THEATERS FOR USE OF HAZE, FOG, OR OTHER ATMOSPHERICS IN PERFORMANCE. COORDINATE WITH THEATER CONSULTANT AND DALLAS ISD FIRE ARTS.
 - R. PROVIDE AN OVERRIDE FOR THE SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM AND CAFETERIA. OVERRIDE IS FOR THE MICROPHONE/SOUND SYSTEMS IN THIS AREA.
 - S. FIRE ALARM INSTALLER STICKER TO BE ATTACHED ON THE FA PANEL.
 - T. AS BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX.
 - U. FA GREEN TAG TO BE ATTACHED WITH THE FA PANEL AND INSTALLATION STICKER INSTALLED.
 - V. UPON COMPLETION OF FA AND/OR PA SCOPE, CONTACT DISD FACILITIES (COORDINATE WITH AECOM PM) TO FOR DISD FACILITIES TO VERIFY/COMMISSION THE SYSTEM PRIOR TO THE SUBSTANTIAL COMPLETION WALL.
 - W. THE CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (STROBES, PULL DOWNS, DETECTORS, ETC.) FOR DISD PICKUP.
 - X. FIRE ALARM ANNUNCIATOR TO BE INSTALLED IN THE SECURED VESTIBULE.
 - Y. FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-84-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
 - Z. FIRE ALARM CONTRACTOR TO INCLUDE RADIO COMMUNICATIONS TESTING IN PART OF THIS SCOPE AS REQUIRED BY THE CITY OF DALLAS.
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 - AC. AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FA CONTRACTOR CONNECTS/TERMINATES THE NEW FA WIRING WITH THE ELEVATOR CONTROLLER.
 - AD. DURING THE CITY FA INSPECTION AN ELEVATOR CONTRACTOR MUST BE PRESENT.



(NOT TO SCALE)

KEY PLAN

1 FIRE ALARM PLAN - LEVEL 01 - AREA B

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

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REVISION HISTORY

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Professional seal for Dale J. Robinson, State of Texas, License 72546, Firm #15868, 12 JUL 2024.

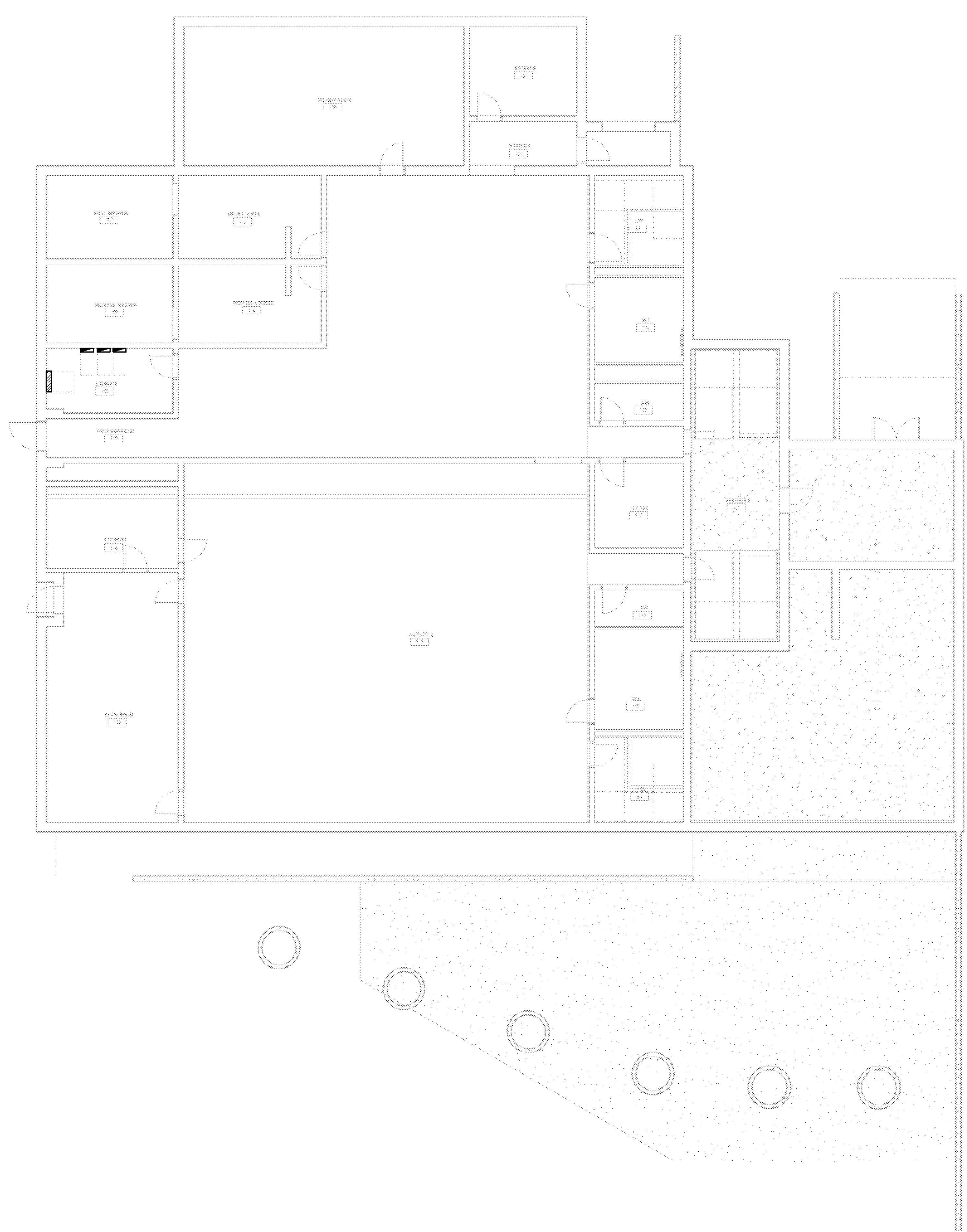
FIRE ALARM PLAN - LEVEL 01 - AREA C

DRAWN BY: JN CHECKED BY: DR
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEA
ORIGINAL ISSUE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

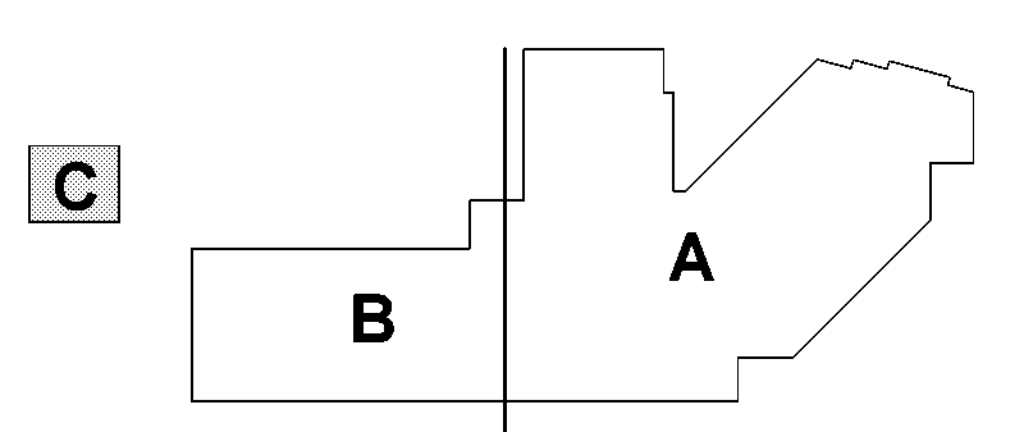
EF-101C SHEET NUMBER

CITY OF DALLAS
APPROVAL STAMP FOR
PERMITS DEPARTMENT

CITY OF DALLAS
APPROVAL STAMP FOR
BUILDING DEPARTMENT



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B. SEE SHEET E-001 FOR SYMBOL LEGEND...
C. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS...
D. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION...
E. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY...
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K. PULL STATION PROTECTORS WITH INTEGRAL HORN ARE REQUIRED FOR ALL MANUAL PULL STATIONS IN GYMNASIUM...
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AD. DURING THE CITY FA INSPECTION AN ELEVATOR CONTRACTOR MUST BE PRESENT.



(NOT TO SCALE) KEY PLAN

1 FIRE ALARM PLAN - LEVEL 01 - AREA C SCALE: 1/8" = 1'-0"

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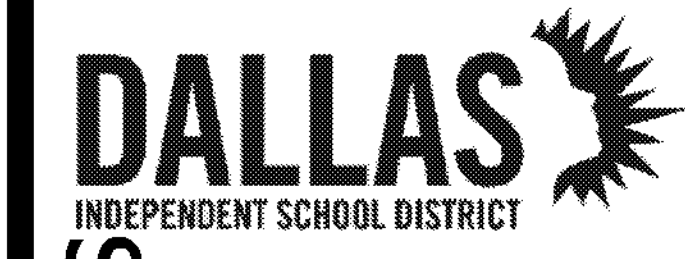
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REVISION HISTORY table with columns for REVISION, DESCRIPTION, and DATE.

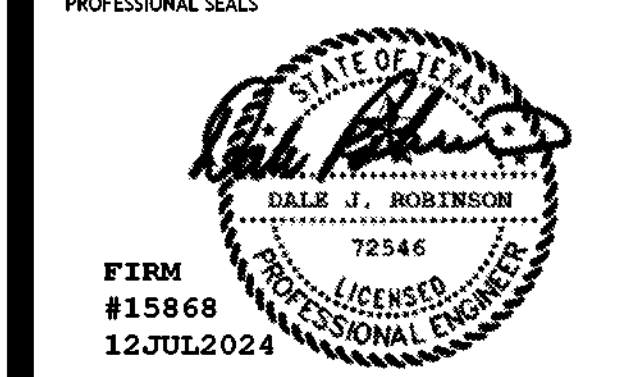


Table with project information: FIRE ALARM PLAN - LEVEL 02, DRAWN BY JN, CHECKED BY DR, PROJECT NUMBER 32AC23037, PROJECT ABBREVIATION GEAA, ORIGINAL ISSUE 100% ISSUE FOR CONSTRUCTION, DATE 12 JULY 2024.

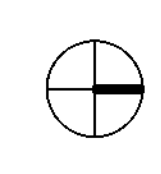
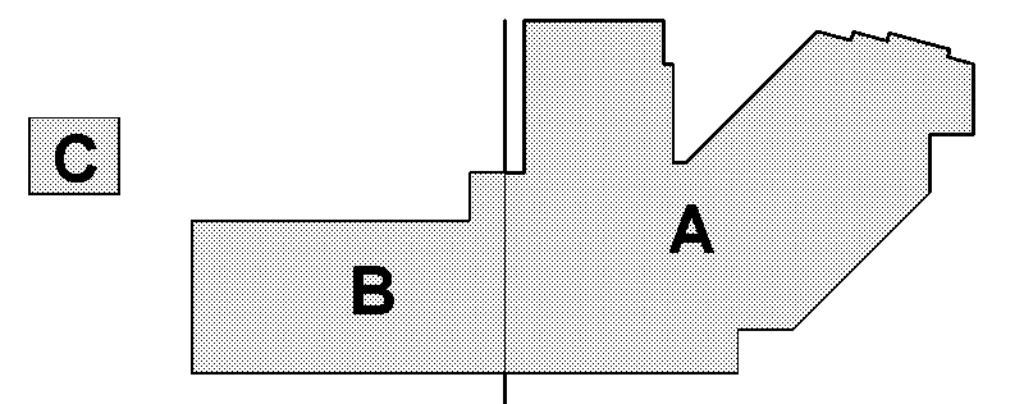
EF-102 SHEET NUMBER

CITY OF DALLAS
APPROVAL STAMP FOR
PERMITS DEPARTMENT

CITY OF DALLAS
APPROVAL STAMP FOR
MULTI-UNIT EXEMPTION



- GENERAL NOTES
A. CONTRACTOR TO REPLACE ENTIRE FIRE ALARM SYSTEMS INCLUDING PANELS, STROBES, DAMPERS, FIRE PULLS, AND WIRING...
B. SEE SHEET E-001 FOR SYMBOL LEGEND...
C. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS...
D. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION...
E. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY...
F. FIRE ALARM SYSTEMS TO BE ADDRESSABLE...
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O. FACP TO BE LOCATED IN THE MAIN ADMINISTRATIVE OFFICE...
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R. PROVIDE AN OVERRIDE FOR THE SOUND SYSTEM IN COMMON AREAS...
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(NOT TO SCALE)

KEY PLAN

1 FIRE ALARM PLAN - LEVEL 02 - OVERALL
SCALE: 3/64" = 1'-0"

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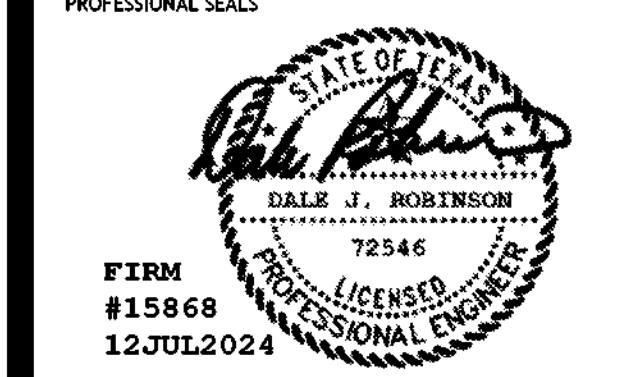


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REVISION HISTORY

REVISION DESCRIPTION DATE



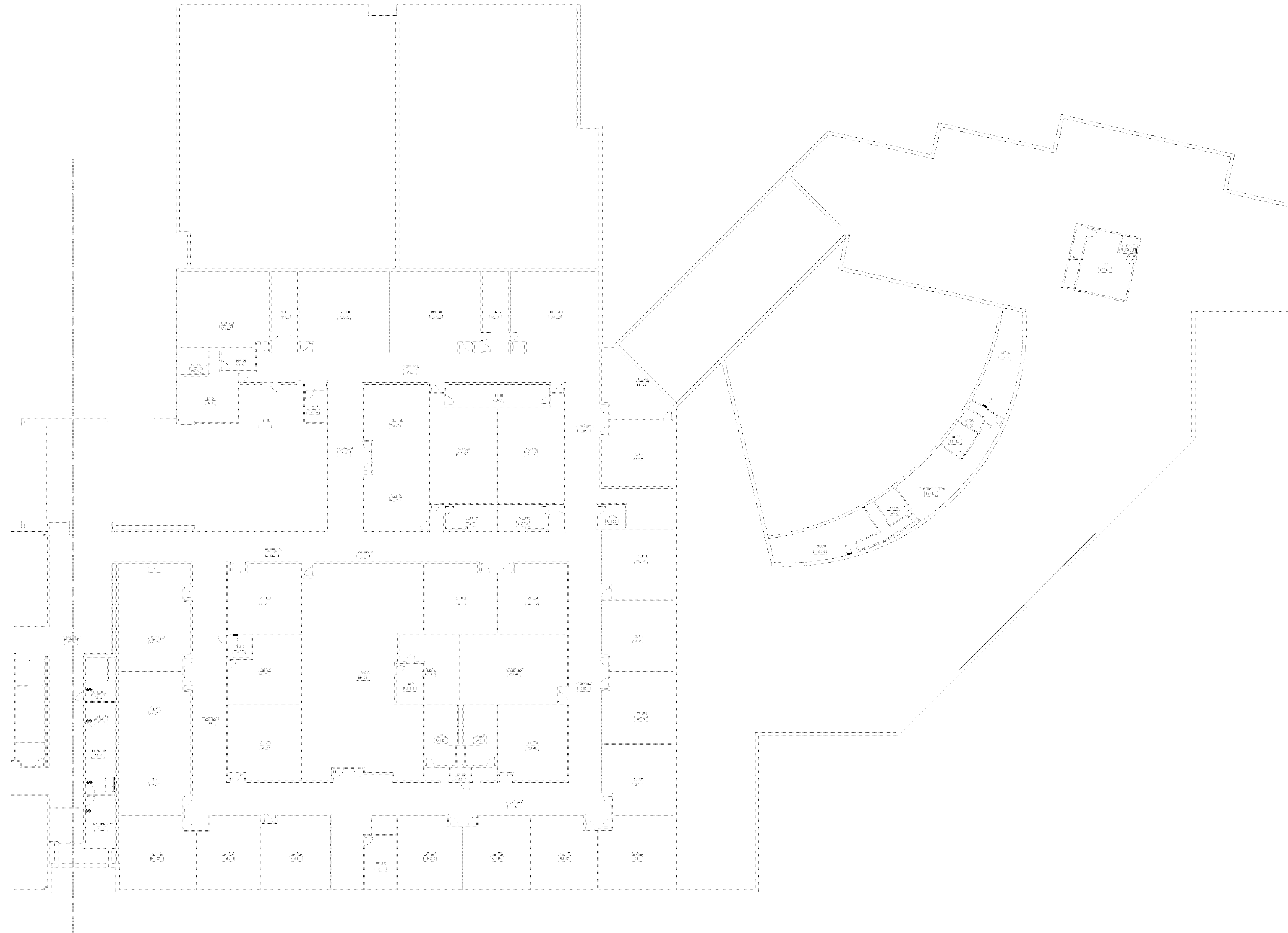
FIRE ALARM PLAN - LEVEL 02 - AREA A

DRAWN BY: JN CHECKED BY: DR
 PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEA
 ORIGINAL ISSUE: DATE: 12 JULY 2024
 100% ISSUE FOR CONSTRUCTION

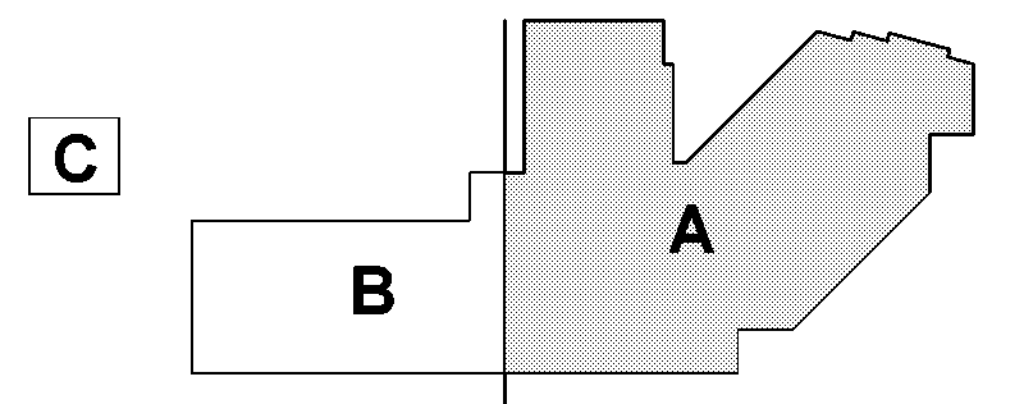
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CITY OF DALLAS
 APPROVAL STAMP FOR
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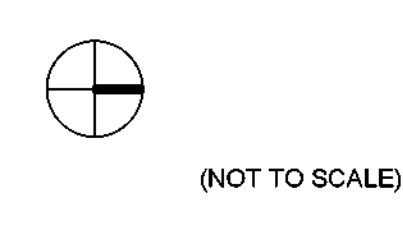
CITY OF DALLAS
 APPROVAL STAMP FOR
 BUILDING INSPECTION



- ### GENERAL NOTES
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1 FIRE ALARM PLAN - LEVEL 02 - AREA A
 SCALE: 1/16" = 1'-0"



(NOT TO SCALE)

KEY PLAN

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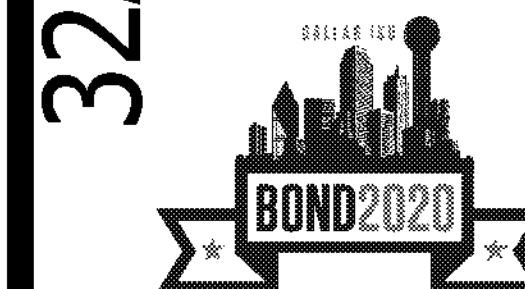
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Austin, TX 78701
512-472-9721



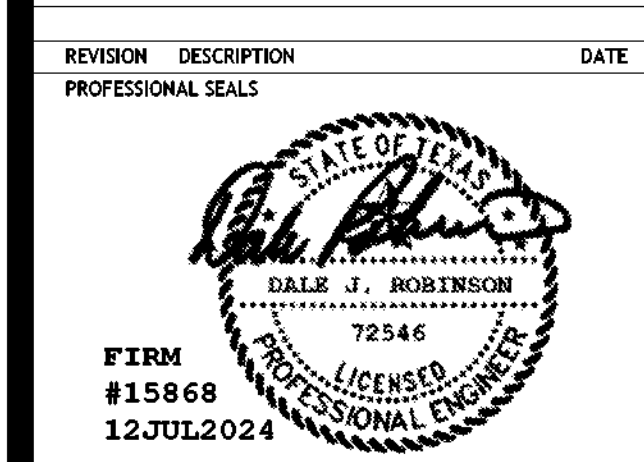
32AC23037- Greiner Exploratory Arts Academy
501 S Edgeland Ave
Dallas, TX 75208



OUR ENGINEER. OUR COMMITMENT. OUR LEGACY.

REVISION HISTORY

Table with columns: REVISION, DESCRIPTION, DATE



FIRE ALARM PLAN - LEVEL 02 - AREA B

DRAWN BY: JN CHECKED BY: DR
PROJECT NUMBER: 32AC23037 PROJECT ABBREVIATION: GEA
ORIGINAL ISSUE: 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

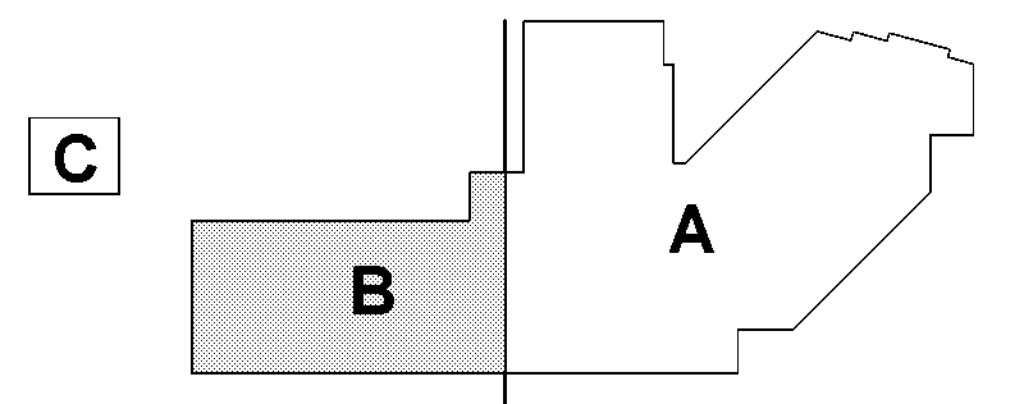
EF-102B SHEET NUMBER

CITY OF DALLAS
APPROVAL STAMP FOR
FIRE ALARM PLAN

CITY OF DALLAS
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BUILDING INSPECTION

GENERAL NOTES

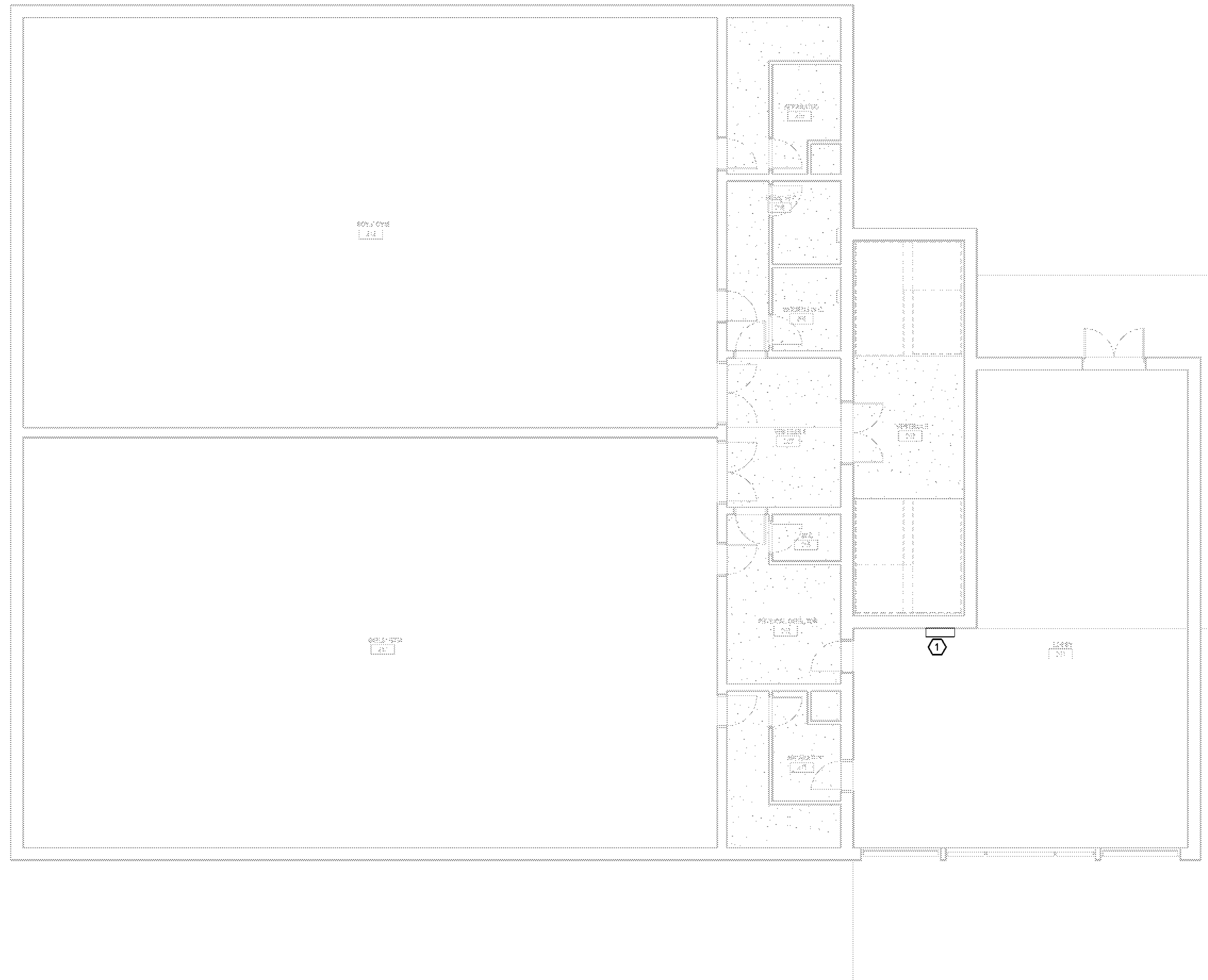
- A. CONTRACTOR TO REPLACE ENTIRE FIRE ALARM SYSTEMS INCLUDING PANELS, STROBES, DAMPERS, FIRE PULLS, AND WIRING. NEIGHBORING BUILDING (AREA C) WILL BE MONITORED BY MAIN FIRE ALARM PANEL IN THE SCHOOL OFFICE.
- B. SEE SHEET E-01 FOR SYMBOL LEGEND. REFER TO SHEET E-002 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
- C. COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
- D. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
- E. OTHER DISCIPLINES EQUIPMENT SHOWN FOR REFERENCE PURPOSES ONLY. COORDINATE FOR EXACT LOCATIONS.
- F. FIRE ALARM SYSTEMS TO BE ADDRESSIBLE.
- G. FIRE ALARM PANELS ARE TO HAVE INTERNAL DIALERS.
- H. 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.
- I. FIRE ALARM SYSTEM TO HAVE SURGE PROTECTION AT EACH LOCATION THE SIGNALING LINE CIRCUIT LEAVES THE MAIN BUILDING OR RETURNS TO THE BUILDING.
- J. FIRE ALARM SYSTEM TO HAVE INTEGRAL MASS NOTIFICATION.
- K. PULL STATION PROTECTORS WITH INTEGRAL HORN ARE REQUIRED FOR ALL MANUAL PULL STATIONS IN GYMNASIUM.
- L. 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.
- M. ALL BUILDINGS ON CAMPUS TO BE CONNECTED TO THE MAIN FACP.
- N. ALL EXISTING PANELS, DEVICES, AND WIRING TO BE REMOVED UPON INSTALLATION OF NEW SYSTEMS.
- O. FACP TO BE LOCATED IN THE MAIN ADMINISTRATIVE OFFICE.
- P. ALL FIRE ALARM A/C BREAKERS TO HAVE LOCK ON DEVICES INSTALLED PER NEC 70 ELECTRICAL CODE.
- Q. FIRE ALARM TO BE ZONED SEPARATELY FOR AUDITORIUMS AND BLACK BOX THEATERS FOR USE OF HOSE, FOG, OR OTHER ATMOSPHERICS IN PERFORMANCE. COORDINATE WITH THEATER CONSULTANT AND DALLAS SD FIRE ARTS.
- R. PROVIDE AN OVERRIDE FOR THE SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM AND CAFETERIA. OVERRIDE IS FOR THE MICROPHONE/SOUND SYSTEMS IN THIS AREA.
- S. FIRE ALARM INSTALLER STICKER TO BE ATTACHED ON THE FA PANEL.
- T. AS BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX.
- U. FA GREEN TAG TO BE ATTACHED WITH THE FA PANEL AND INSTALLATION STICKER INSTALLED.
- V. UPON COMPLETION OF FA AND/OR PA SCOPE, CONTACT DISD FACILITIES (COORDINATE WITH AECOM PM TO) FOR DISD FACILITIES TO VERIFY/COMMISSION THE SYSTEM PRIOR TO THE SUBSTANTIAL COMPLETION WALK.
- W. THE CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (STROBES, PULL DOWNS, DETECTORS, ETC.) FOR DISD PICKUP.
- X. FIRE ALARM ANNUNCIATOR TO BE INSTALLED IN THE SECURED VESTIBULE.
- Y. FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
- Z. FIRE ALARM CONTRACTOR TO INCLUDE RADIO COMMUNICATIONS TESTING IN PART OF THIS SCOPE AS REQUIRED BY THE CITY OF DALLAS.
- AA. SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED.
- AB. ELEVATOR HOISTWAY: SPRINKLER AT TOP OF SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD.
- AC. AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FA CONTRACTOR CONNECTS/TERMINATES THE NEW FA WIRING WITH THE ELEVATOR CONTROLLER.
- AD. DURING THE CITY FA INSPECTION AN ELEVATOR CONTRACTOR MUST BE PRESENT.



(NOT TO SCALE) KEY PLAN

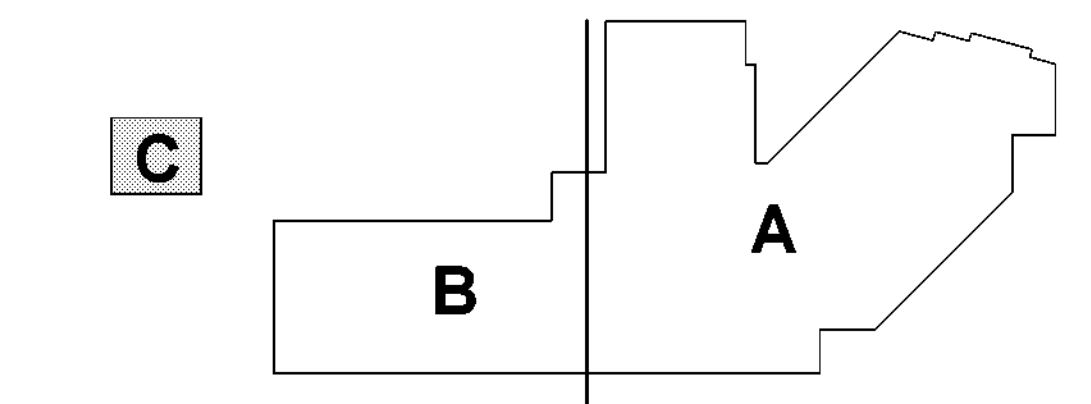
1 FIRE ALARM PLAN - LEVEL 02 - AREA B
SCALE: 1/8" = 1'-0"

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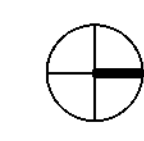


GENERAL NOTES	
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B.	SEE SHEET E-01 FOR SYMBOL LEGEND. REFER TO SHEET E-02 FOR PROJECT GENERAL AND ELECTRICAL NOTES AND ABBREVIATIONS.
C.	COORDINATE DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.
D.	COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING CONSTRUCTION.
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F.	FIRE ALARM SYSTEMS TO BE ADDRESSIBLE.
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V.	UPON COMPLETION OF FA AND/OR PA SCOPE, CONTACT DISD FACILITIES (COORDINATE WITH AECOM PM TO) FOR DISD FACILITIES TO VERIFY/COMMISSION THE SYSTEM PRIOR TO THE SUBSTANTIAL COMPLETION WALK.
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AC.	AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FA CONTRACTOR CONNECTS/TERMINATES THE NEW FA WIRING WITH THE ELEVATOR CONTROLLER.
AD.	DURING THE CITY FA INSPECTION AN ELEVATOR CONTRACTOR MUST BE PRESENT.

KEYED NOTES	
NUMBER	DESCRIPTION
1	EXISTING FIRE ALARM PANEL TO BE REPLACED WITH AN ANNUNCIATOR PANEL AND CONNECTED TO MAIN FIRE ALARM PANEL INSIDE THE SCHOOL OFFICE. FIRE ALARM CONTRACTOR TO VERIFY WITH AUI IF ANNUNCIATOR NEEDS TO BE A FIRE ALARM PANEL.



1 FIRE ALARM PLAN - LEVEL 02 - AREA C
 SCALE: 1/8" = 1'-0"



(NOT TO SCALE)

KEY PLAN

CITY OF DALLAS
 APPROVAL STAMP FOR
 PUBLIC INSPECTION

CITY OF DALLAS
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DALLAS
 INDEPENDENT SCHOOL DISTRICT

32AC23037 - Greiner Exploratory Arts Academy
 501 S Edgewood Ave
 Dallas, TX 75208

REVISION HISTORY

REVISION	DESCRIPTION	DATE

PROFESSIONAL SEALS

FIRM
 #15868
 12 JUL 2024

FIRE ALARM PLAN - LEVEL 02 - AREA C

DRAWN BY	CHECKED BY	DATE
JN	DR	
PROJECT NUMBER 32AC23037	PROJECT ABBREVIATION GEAA	DATE 12 JULY 2024
ORIGINAL SCALE 100% ISSUE FOR CONSTRUCTION		

EF-102C
 SHEET NUMBER

GROUNDING RISER

GENERAL NOTES

GENERAL CONTRACTOR/CONSTRUCTION MANAGER NOTES:

- 1.) GENERAL CONTRACTOR/CONSTRUCTION MANAGER IS RESPONSIBLE TO ENSURE THAT ALL DIVISIONS AND TRADES ARE AWARE OF WORK REQUIRED TO SUPPORT THE INSTALLATION OF RELATED SYSTEMS AND SUB-SYSTEMS. CONTRACTORS ARE RESPONSIBLE TO REVIEW ALL RELATED SPECIFICATIONS AND DRAWINGS.
- 2.) PROVIDE AND INSTALL WALL MOUNTED 3/4" AC GRADE FIRE RESISTANT PLYWOOD IN ALL COMMUNICATIONS ROOMS AND CLOSETS ON ALL WALLS. APPLY FIRE RETARDANT FLAT WHITE PAINT TO BOTH SIDES OF THE PLYWOOD AND LEAVING THE FIRE RETARDANT STAMP UNDISTURBED. REFERENCE COMMUNICATIONS ROOM DETAILS.
- 3.) CABLE TRAY, SLEEVES, BOXES, POWER, AND CONDUITS SHOWN ON COMMUNICATIONS DRAWINGS ARE FOR COORDINATION ONLY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS.

ELECTRICAL CONTRACTOR NOTES:

- 1.) THE ELECTRICAL CONTRACTOR SHALL FURNISH AND PROVIDE THE FOLLOWING FOR COMMUNICATIONS CABLING: CABLE TRAY, CONDUIT, SLEEVES, WALL, AND FLOOR BOXES REFER TO THE ELECTRICAL AND COMMUNICATIONS DETAIL DRAWINGS.
 - A.) STANDARD DATA AND VOICE SERVICE BOXES FOR COMMUNICATIONS SHALL BE A FLUSH 4 1/2" SQ DEEP BOX (2 1/2" MIN) WITH SINGLE GANG REDUCTION PLATE AND A 1"Ø CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE.
 - B.) WALL MOUNTED TELEPHONE OUTLET SHALL BE A FLUSH 4 1/2" SQ DEEP BOX (2 1/2" MIN) WITH SINGLE GANG REDUCTION PLATE AND A 1"Ø CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE. MOUNT BOX 48" AFF OR AS REQUIRED BY ADA.
 - C.) FLOOR BOXES FOR DATA, VOICE, AND POWER SHALL HAVE TWO(2) 1"Ø CONDUITS PROVIDED FOR COMMUNICATIONS IN ADDITION TO POWER AND AV REQUIREMENTS.
 - D.) CEILING BOXES FOR COMMUNICATIONS OUTLETS SHALL BE A 4 1/2" SQ DEEP BOX (2 1/2" MIN) WITH A SINGLE GANG REDUCTION PLATE, AND A 1"Ø CONDUIT FROM EACH BOX TO ACCESSIBLE CEILING SPACE.
 - E.) BOXES FOR WIRELESS DEVICES MOUNTED ABOVE LAY-IN CEILINGS SHALL BE A 4 1/2" SQ DEEP BOX (2 1/2" MIN) WITH SINGLE GANG REDUCTION PLATE (TYP).
 - F.) FIXED CHAIR DATA AND POWER PATHWAYS UP TO SEATING SHALL BE AS SPECIFIED ON THE ELECTRICAL AND COMMUNICATIONS DRAWINGS. CONTRACTOR SHALL COORDINATE WITH G.C. AND SYSTEM FURNITURE MANUFACTURER FOR PLACEMENT OF DATA/VOICE DROPS. INSTALL POWER CABLING IN SEPARATE RACEWAY FROM COMMUNICATIONS CABLING.
- 2.) CONTRACTOR SHALL PROVIDE RACEWAY INSTALLATION IN A MANNER THAT WILL PROTECT ALL DATA/VOICE/FIBER CABLING FROM MECHANICAL DAMAGE. INSTALL CONDUITS FOR COMMUNICATIONS WITH LONG RADIUS BENDS. BUSHED ENDS THAT ARE GROUNDED AND BONDED AS PER CODES AND STANDARDS.
- 3.) CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND COMMUNICATIONS TRADE ON CONDUIT AND CABLE TRAY ROUTING FOR COMMUNICATIONS CABLES PRIOR TO INSTALLATION OF PATHWAYS TO ENSURE CABLE PATHWAYS DO NOT CAUSE CABLE LENGTHS TO EXCEED MAXIMUM DISTANCES. IN GENERAL, CONDUITS FROM CABLE TRAY TO TELECOM OUTLETS SHOULD BE THE MOST DIRECT ROUTE POSSIBLE FOLLOWING BUILDING LINES.
- 4.) CONTRACTOR SHALL INSTALL A TIED OFF NYLON PULL STRING IN ALL CONDUITS.
- 5.) INSTALL THE CABLE TRAY WITH A MIN. 12" CLEARANCE ABOVE AND ON ONE SIDE OF TRAY. INSTALL SOLID BOTTOM TRAY WHERE IS PLACED ABOVE LIGHT FIXTURES.
- 6.) CONDUITS SHALL NOT EXCEED 180° OF BENDS BETWEEN PULL POINTS. INSTALL PERMANENTLY ACCESSIBLE PULL BOXES AS REQUIRED TO MEET THIS REQUIREMENT. DO NOT CHANGE DIRECTION OR BEND WITHIN A JUNCTION BOX OR PULL BOX.
- 7.) GROUNDING AND BONDING:
 - A.) BUILDING GROUNDING SYSTEM BY ELECTRICAL CONTRACTOR.
 - B.) ALL PATHWAYS INSTALLED FOR COMMUNICATIONS SHALL BE BONDED TO COMMUNICATION GROUND BUS BARS.
 - C.) REFER TO ELECTRICAL SERIES DRAWINGS AND SPECIFICATIONS FOR OTHER COMMUNICATION GROUNDING REQUIREMENTS AND INFO ON INSTALLATION OF MATERIALS AND HARDWARE.
 - D.) DISSIMILAR METALS BONDED TO EACH OTHER AND APT TO CORRODE IN NORMAL ENVIRONMENTAL CONDITIONS SHALL BE SEPARATED BY A CONDUCTIVE MATERIAL SPACER TO PREVENT CORROSION. REFER TO SPECIFICATIONS FOR OTHER GROUNDING REQUIREMENTS.
 - E.) BUS BARS SHALL BE PRE-DRILLED WITH STANDARD NEMA BOLT HOLE SIZING & SPACING FOR CONNECTIONS OF THE BONDING CONDUCTORS TO THE BUSBAR.
- 8.) IDENTIFICATION:
 - A.) SPRAY ALL BOXES AND CONDUIT FOR COMMUNICATIONS WITH A DISTINCTIVE COLOR FOR EASY IDENTIFICATION. COLOR SHALL BE DIFFERENT FROM OTHER TRADES.

COMMUNICATION NOTES

- 1.) THE TELECOMMUNICATIONS CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS FOR RELATED SECTIONS, WHICH MAKE UP THE CONTRACT DOCUMENTS AND SHALL COORDINATE ALL COMMUNICATIONS WORK ON THE COMMUNICATIONS PLANS WITH ANY COMMUNICATIONS SECTIONS OF RELATED DRAWINGS AND SPECIFICATIONS.
 - A.) STRUCTURED CABLING REQUIREMENTS FOR THE PROJECT ARE THE RESPONSIBILITY OF THE COMMUNICATIONS CABLING CONTRACTOR UNLESS OTHERWISE NOTED. COORDINATE WITH ALL TRADES THAT APPLY. REFER TO MEP, AUDIOVISUAL, AND SECURITY SHEETS FOR ADDITIONAL CABLING REQUIREMENTS.
- 2.) TELECOMMUNICATIONS CONTRACTOR, CABLING CONTRACTOR, OR COMMUNICATIONS CONTRACTOR SHALL HERE AFTER BE REFERRED TO AS CONTRACTOR UNLESS OTHERWISE NOTED.
- 3.) CONTRACTOR SHALL PROVIDE ALL MATERIALS, COMPONENTS, TOOLS, AND LABOR NECESSARY TO COMPLETE THIS INFRASTRUCTURE INSTALLATION.
- 4.) ALL COMMUNICATIONS CABLING PATHWAYS OUTSIDE OF COMMUNICATIONS ROOMS BY ELECTRICAL CONTRACTOR.
- 5.) CONTRACTOR SHALL PROVIDE 'J' HOOKS ON THREADED ROD RATED FOR SUPPORTING DATA CABLING THAT IS NOT IN CONDUIT OR CABLE TRAY. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR ON CABLE PATHS PRIOR TO INSTALLATION OF CABLING.

COMMUNICATIONS CABLING:

- 1.) ALL UTP HORIZONTAL CABLING MUST BE WITHIN A PHYSICAL LENGTH OF 295'.
- 2.) PROVIDE ALL NECESSARY MEANS TO PROTECT ALL COPPER/FIBER CABLING AND JACK/PORTS FROM MECHANICAL DAMAGE AND DUST DURING CONSTRUCTION.
- 3.) FIBER BACKBONE/RISER CABLE SHALL BE INSTALLED IN CONDUIT OR ON LADDER RUNWAY UNLESS IT IS ARMORED.
- 4.) COORDINATE WITH GENERAL CONTRACTOR FOR SYSTEM FURNITURE WORKSTATIONS TO PROVIDE REQUIRED BRACKETS TO INSTALL AND TERMINATE COMMUNICATIONS CABLING, JACKS AND FACE PLATES.
- 5.) CABLING CONTRACTOR RESPONSIBLE FOR FINAL CONNECTION, TERMINATION AND TESTING TO THE DATA OUTLETS IN LAB BENCHES AND MODULAR FURNITURE, INCLUSIVE OF PATCH CORD ROUTING.
- 6.) CABLING CONTRACTOR SHALL CONFIRM ALL CABLE LENGTHS PRIOR TO BID AND ROUGH-IN

COMMUNICATIONS ROOMS:

- 1.) PROVIDE AND INSTALL WALL MOUNTED 3/4" AC GRADE FIRE RESISTANT PLYWOOD IN ALL COMMUNICATIONS ROOMS AND CLOSETS ON ALL WALLS. APPLY FIRE RETARDANT FLAT WHITE PAINT TO BOTH SIDES OF THE PLYWOOD AND LEAVING THE FIRE RETARDANT STAMP UNDISTURBED. REFERENCE COMMUNICATIONS ROOM DETAILS..
- 2.) CONTRACTOR TO PROVIDE EQUIPMENT RACKS, HORIZONTAL CABLE RUNWAYS AND MANAGERS, VERTICAL CABLE MANAGERS, TERMINATION HARDWARE, POWER STRIPS FOR RACKS, TERMINATION, LABELING, AND TESTING AS SPECIFIED IN CONTRACT DOCUMENTS.
- 3.) GRAPHIC REPRESENTATION OF PATCH PANELS, BLOCKS, VERTICAL, AND HORIZONTAL CORD MANAGEMENT DO NOT REPRESENT EXACT QUANTITIES. CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES FOR ALL CABLING, PLUS 20% GROWTH. (REFER ALSO TO SPECIFICATIONS).

GROUNDING AND BONDING:

- 1.) CONTRACTOR SHALL BOND ALL METALLIC COMPONENTS TO BUSBAR IN THE FOLLOWING MANNER:
 - A.) CONTRACTOR SHALL INSTALL A CONTINUOUS BONDING CONDUCTOR FROM BUSBAR TO EACH ROW OF EQUIPMENT RACKS. EXTEND CONDUCTOR ALONG ENTIRE ROW. BOND EACH RACK TO BONDING CONDUCTOR WITH AN INSULATED COPPER CONDUCTOR.
 - B.) BOND/STRAP ALL LADDER RACKS TO ADJACENT SECTIONS WITH A STRANDED BONDING COPPER CONDUCTOR. INSTALL A BONDING CONDUCTOR FROM BUSBAR TO LADDER RACKS.
 - C.) BONDING SHALL BE IN AN APPROVED MANNER.
 - D.) DISSIMILAR METALS BONDED TO EACH OTHER AND APT TO CORRODE IN NORMAL ENVIRONMENTAL CONDITIONS SHALL BE SEPARATED BY A CONDUCTIVE MATERIAL SPACER TO PREVENT CORROSION. REFER TO SPECIFICATIONS FOR OTHER GROUNDING REQUIREMENTS.

FIRESTOPPING:

- 1.) COORDINATE ANY AND ALL FIRESTOPPING WITH THE GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK INVOLVING FIRESTOPPING.
- 2.) ALL FIRESTOPPING SHALL CONFORM TO THE SPECIFICATIONS AND RECOMMENDATIONS OF THERMAL AND MOISTURE PROTECTION ON FIRESTOPPING OF THROUGH PENETRATION SYSTEMS IN THE CONSTRUCTION SPECIFICATIONS DOCUMENT.
- 3.) SOLUTIONS AND SHOP DRAWINGS/SUBMITTALS FOR FIRE STOP MATERIALS AND SYSTEMS SHALL BE PRESENTED TO THE GENERAL CONTRACTOR FOR WRITTEN APPROVAL OF MATERIAL & SYSTEMS PRIOR TO PURCHASE AND INSTALLATION. ALL MATERIALS AND SYSTEMS SHALL BE COMPLETE, UL LISTED FOR INTENDED INSTALLATION, AND PROVIDE APPROPRIATE RATING AT THE COMPLETION OF JOB.
- 4.) SEAL ALL PENETRATIONS THROUGH FIRE-RATED BARRIERS (CONDUITS, SLEEVES, SLOTS, CHASES) CREATED BY OR MADE FOR OR ON THE BEHALF OF THE TELECOMMUNICATIONS CONTRACTOR TO PREVENT THE PASSAGE OF SMOKE, FIRE, TOXIC GAS, OR WATER THROUGH PENETRATIONS.
- 5.) CONTRACTOR SHALL PROVIDE TRAINING MANUALS WHICH INCLUDE INSTRUCTIONS ON METHODS OF ADDING OR REMOVING CABLING TO/FROM FIRESTOPPED SLEEVES AND CHASES.
- 6.) LAMINATE AND PERMANENTLY AFFIX TO EACH COMMUNICATIONS ROOM WALL ADJACENT TO CHASES THE FOLLOWING INFORMATION:
 - A.) NAME OF MANUFACTURER OF FIRE STOP SYSTEM.
 - B.) PART & MODEL NUMBERS OF SYSTEM AND ALL COMPONENTS.
 - C.) PHONE NUMBERS OF MANUFACTURER'S CORPORATE HEADQUARTERS IN U.S. AND LOCAL DISTRIBUTOR'S NAME AND NUMBER.

LEGEND

- #D WALL DATA INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES.
- W WALL PHONE (VOICE) OUTLET AT 48" AFF.
- #D FLOOR-BOX DATA INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES.
- #D FLOOR-BOX DATA INFORMATION OUTLET FOR AV EQUIPMENT. NUMBER(#) DENOTES QUANTITY OF CABLES. REFER TO AV DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
- #D WALL DATA INFORMATION OUTLET FOR AV EQUIPMENT. NUMBER(#) DENOTES QUANTITY OF CABLES. REFER TO AV DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
- #D CEILING DATA INFORMATION OUTLET FOR AV PROJECTOR. NUMBER(#) DENOTES AMOUNT OF CABLES. REFER TO AV DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
- W ONE (1) DATA OUTLET FOR WIRELESS ACCESS POINT (WAP) CONNECTIVITY ABOVE LAY-IN CEILING. TERMINATE WITH MODULAR CONNECTORS AND LABEL.
- 10.S WALL DATA OUTLET FOR IP CAMERA. REFER TO SECURITY DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
- 10.S CEILING DATA OUTLET FOR IP CAMERA. REFER TO SECURITY DRAWINGS AND SPECIFICATIONS FOR EXACT PLACEMENT.
- M MECHANICAL FIRESTOP ASSEMBLY.

ABBREVIATIONS

BAS:	BUILDING AUTOMATION SYSTEM
BET:	BUILDING ENTRANCE TERMINAL
DIV 01:	GENERAL REQUIREMENTS
DIV 07:	THERMAL & MOISTURE PROTECTION
DIV 23:	HEATING, VENTILATING, AND AIR-CONDITIONING
DIV 25:	INTEGRATED AUTOMATION
DIV 26:	ELECTRICAL
TR:	TELECOMMUNICATIONS ROOM
ER:	EQUIPMENT ROOM
TBB:	TELECOM BONDING BACKBONE
TBC:	TELECOM BONDING CONDUCTOR
SBB:	SECONDARY BONDING BUSBAR
TMBC:	TELECOM MAIN BONDING CONDUCTOR
PBB:	PRIMARY BONDING BUSBAR
TMH:	TELECOMMUNICATIONS MANHOLE
UTP:	UNSHIELDED TWISTED PAIR
WAP:	WIRELESS ACCESS POINT
SIM:	SIMILAR

DRAWING LIST

T-001	COMMUNICATIONS - LEGEND AND NOTES
T-002	COMMUNICATIONS - RESPONSIBILITY MATRIX
T-101	COMMUNICATIONS - OVERALL FLOOR PLAN - LEVEL 01
T-101-A	COMMUNICATIONS - FLOOR PLAN - LEVEL 01 - AREA A
T-401	COMMUNICATIONS - GENERAL DETAILS

CITY OF DALLAS APPROVAL STAMP FOR BUILDING INSPECTION

CITY OF DALLAS APPROVAL STAMP FOR BUILDING INSPECTION



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501 S Edgewood Ave Dallas, TX 75208

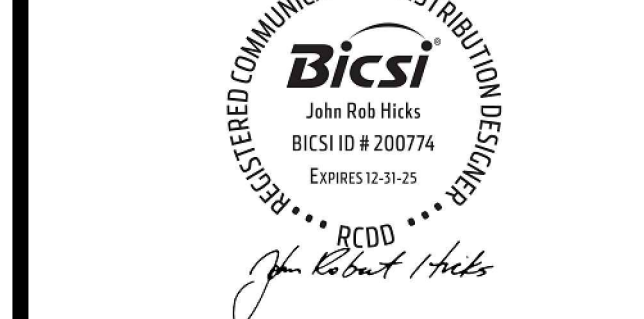


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REVISION HISTORY

REVISION	DESCRIPTION	DATE
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PROFESSIONAL SEALS



COMMUNICATIONS - LEGEND AND NOTES

DRAWN BY	AN	CHECKED BY	Checker
PROJECT NUMBER	32AC2037	PROJECT ABBREVIATION	ABBREV
ORIGINAL ISSUE	100% ISSUE FOR CONSTRUCTION	DATE	12 JULY 2024

T-001

SHEET NUMBER



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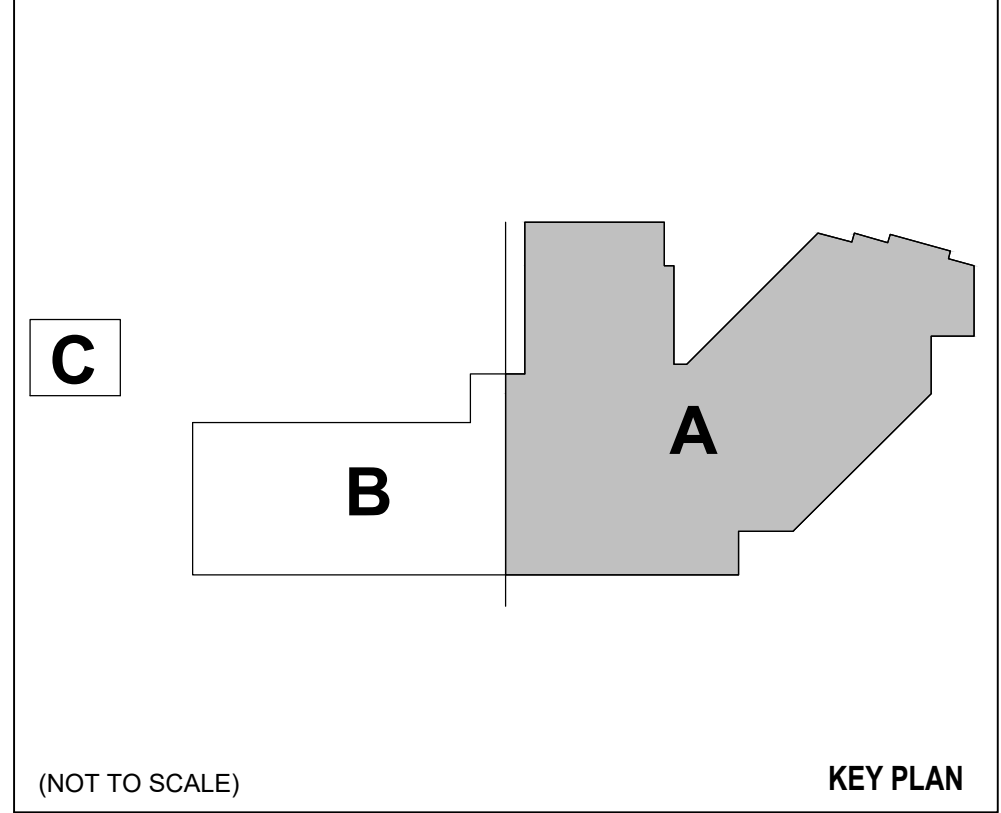


1 COMMUNICATIONS - FLOOR PLAN - LEVEL 01 - AREA A
SCALE: 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

KEYED NOTES

NUMBER	DESCRIPTION



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REVISION HISTORY

REVISION	DESCRIPTION	DATE

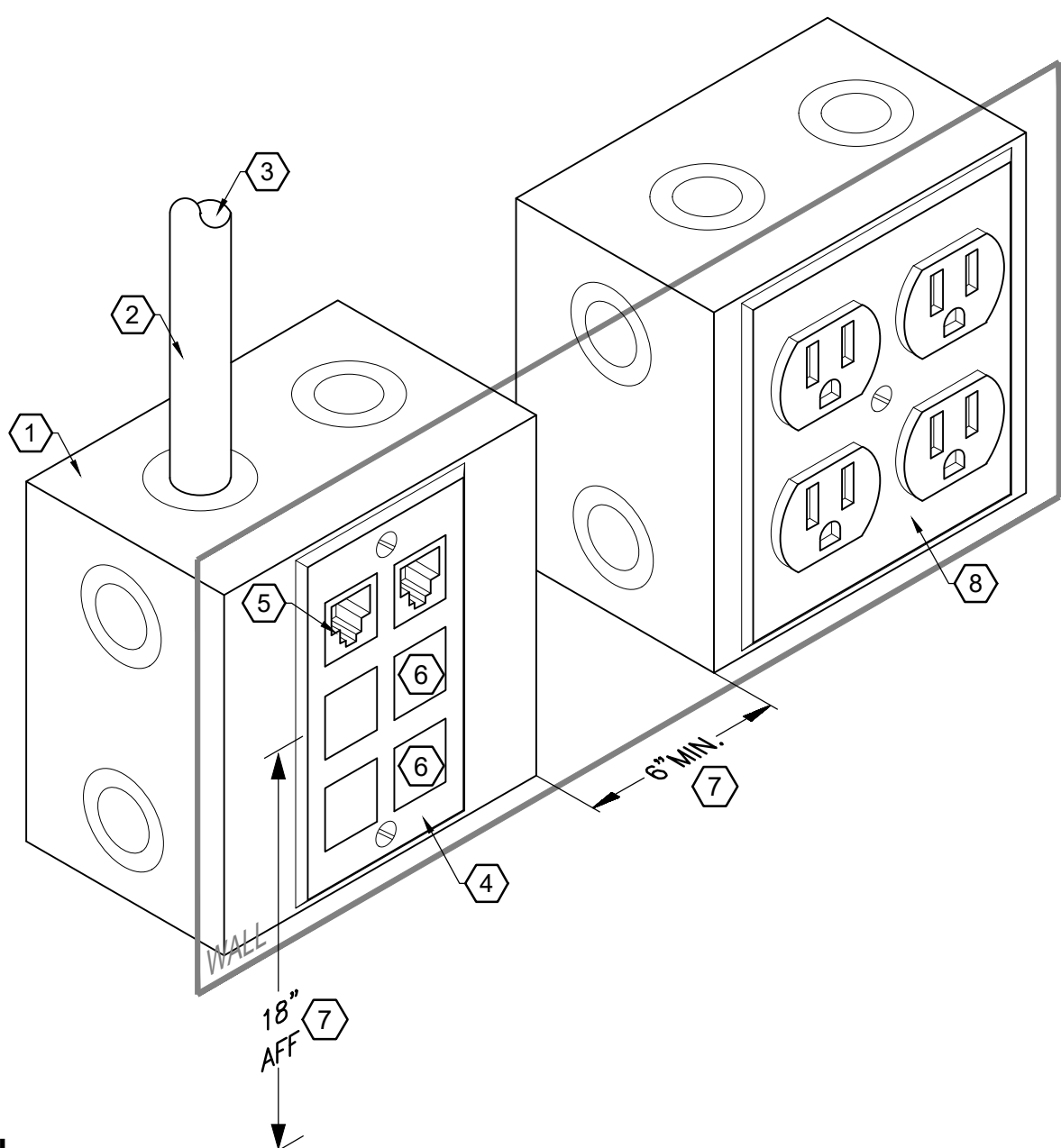
COMMUNICATIONS - FLOOR PLAN - LEVEL 01 - AREA A

DRAWN BY AN	CHECKED BY Checker
PROJECT NUMBER 32AC2037	PROJECT ABBREVIATION ABBREV
ORIGINAL ISSUE	DATE
100% ISSUE FOR CONSTRUCTION	12 JULY 2024

T-101-A
SHEET NUMBER

KEYED NOTES:

- 1 RECESSED DOUBLE GANG BOX (4-11/16" x 4-11/16" x 2-1/8") WITH SINGLE GANG REDUCTION PLATE. (BY DIV 26)
- 2 1"Ø CONDUIT WITH 200 LBS 1/4" POLYLINE PULL STRING. (BY DIV 26)
- 3 END OF CONDUIT DEBURRED AND FITTED WITH PROTECTIVE GROMMET. (BY DIV 26)
- 4 STRUCTURED CABLING, OUTLETS, COVER PLATES, AND JACKS SUPPLIED AND INSTALLED BY COMMUNICATION CONTRACTOR. COORDINATE COVERPLATES COLOR WITH ARCHITECT.
- 5 PROVIDE DATA JACK FOR EACH CABLE.
- 6 FILL UNUSED POSITIONS WITH BLANKS.
- 7 COORDINATE EXACT MOUNTING HEIGHT AND DISTANCE WITH ARCHITECT/GC.
- 8 REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR BOX, FACEPLATE, AND CONDUIT REQUIREMENTS.



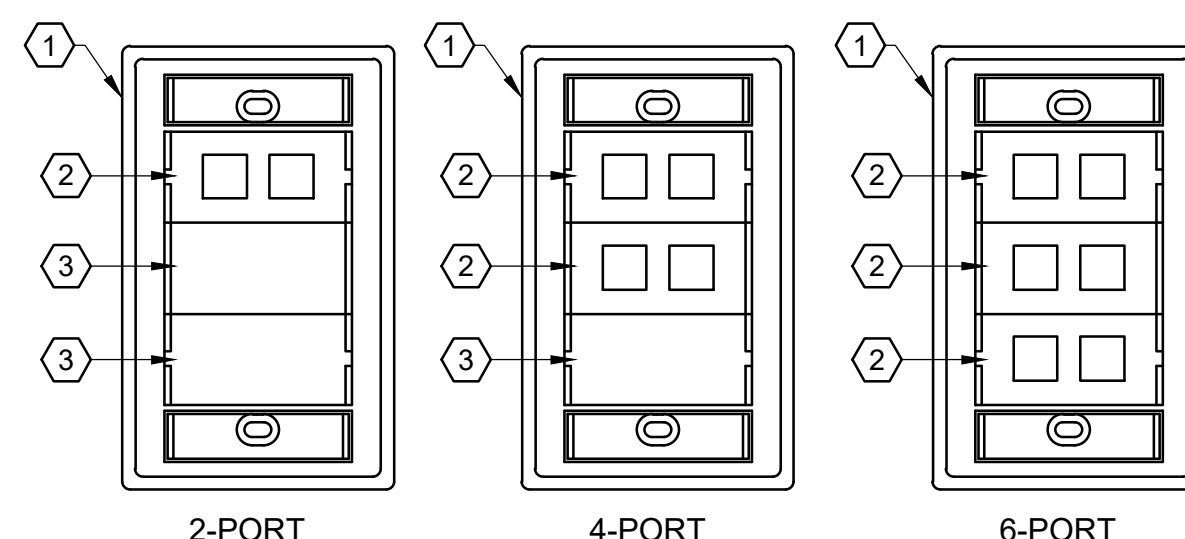
1 **POWER AND DATA OUTLET DETAIL**
SCALE: NOT TO SCALE

GENERAL NOTES:

1. ROTATE FACE PLATE 90° CLOCKWISE FOR HORIZONTAL CONFIGURATION.
2. PLASTIC FACEPLATE SHALL BE USED IN ALL SURFACE MOUNT, OVERHEAD, AND LAB TABLE RACEWAY OUTLETS AND STAINLESS FOR ABOVE CEILING CONDITIONS. COORDINATE FACEPLATE COLOR W/ARCHITECT.
3. ALL COMMUNICATIONS OUTLETS, TERMINATIONS BLOCKS AND PASSIVE CONNECTION DEVICES SHALL BE CONFIGURED TO TIA/EIA T568B WIRING STANDARDS.
4. CONFIRM CABLING TERMINATIONS IN FURNITURE MILLWORK OR MODULAR FURNITURE WITH FURNITURE CONTRACTOR, PRIOR TO INSTALLATION.

KEYED NOTES:

- 1 SINGLE GANG SERIES II FACEPLATE.
- 2 CLARITY CATEGORY 6 2-PORT MODULE.
- 3 BLANK MODULE.



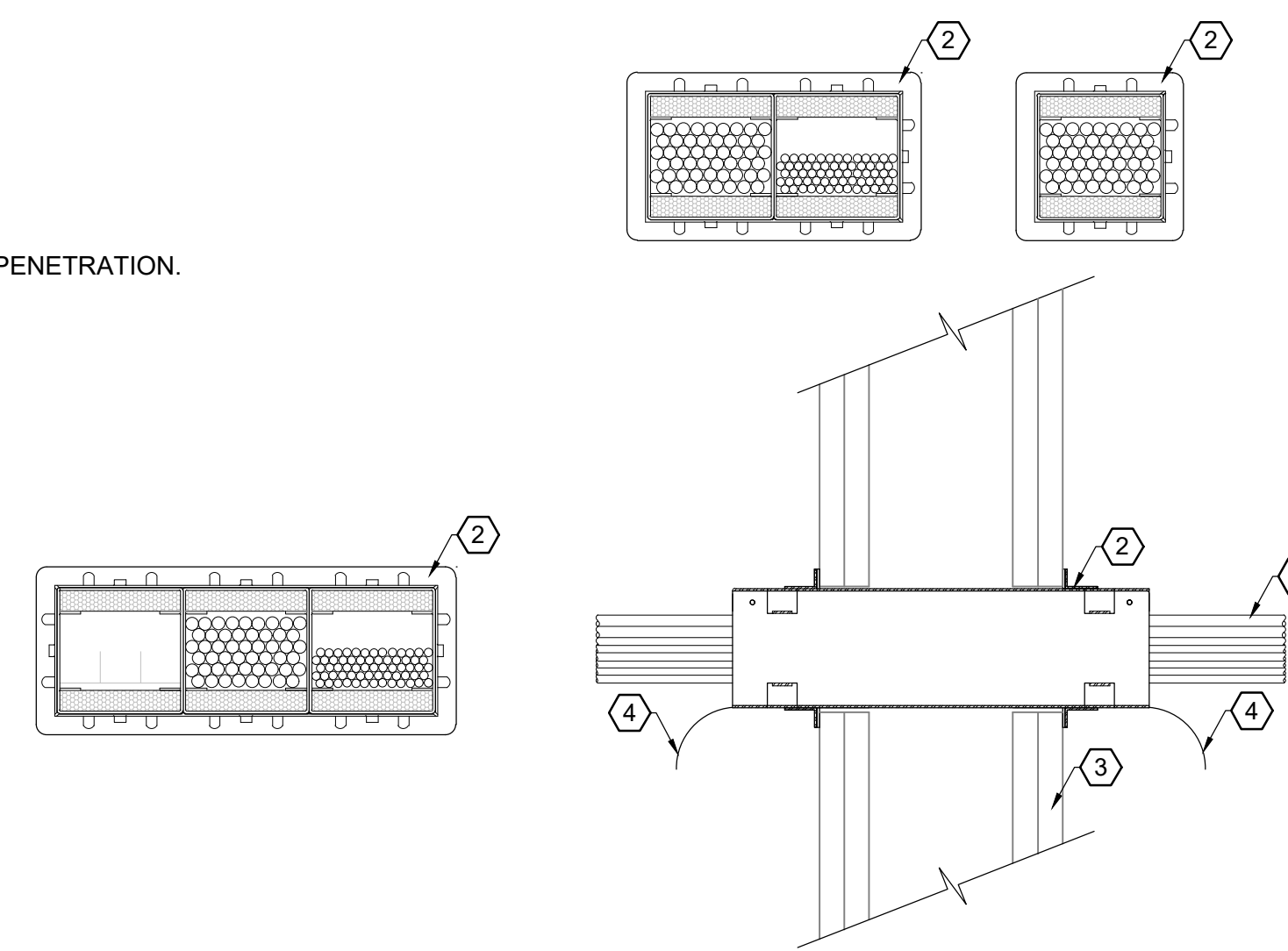
2 **T568B CONNECTOR WIRING DETAIL**
SCALE: NOT TO SCALE

GENERAL NOTES:

1. REFER TO SPECIFICATIONS SECTION 270000 (FIREFSTOPPING) FOR ADDITIONAL INFORMATION.

KEYED NOTES:

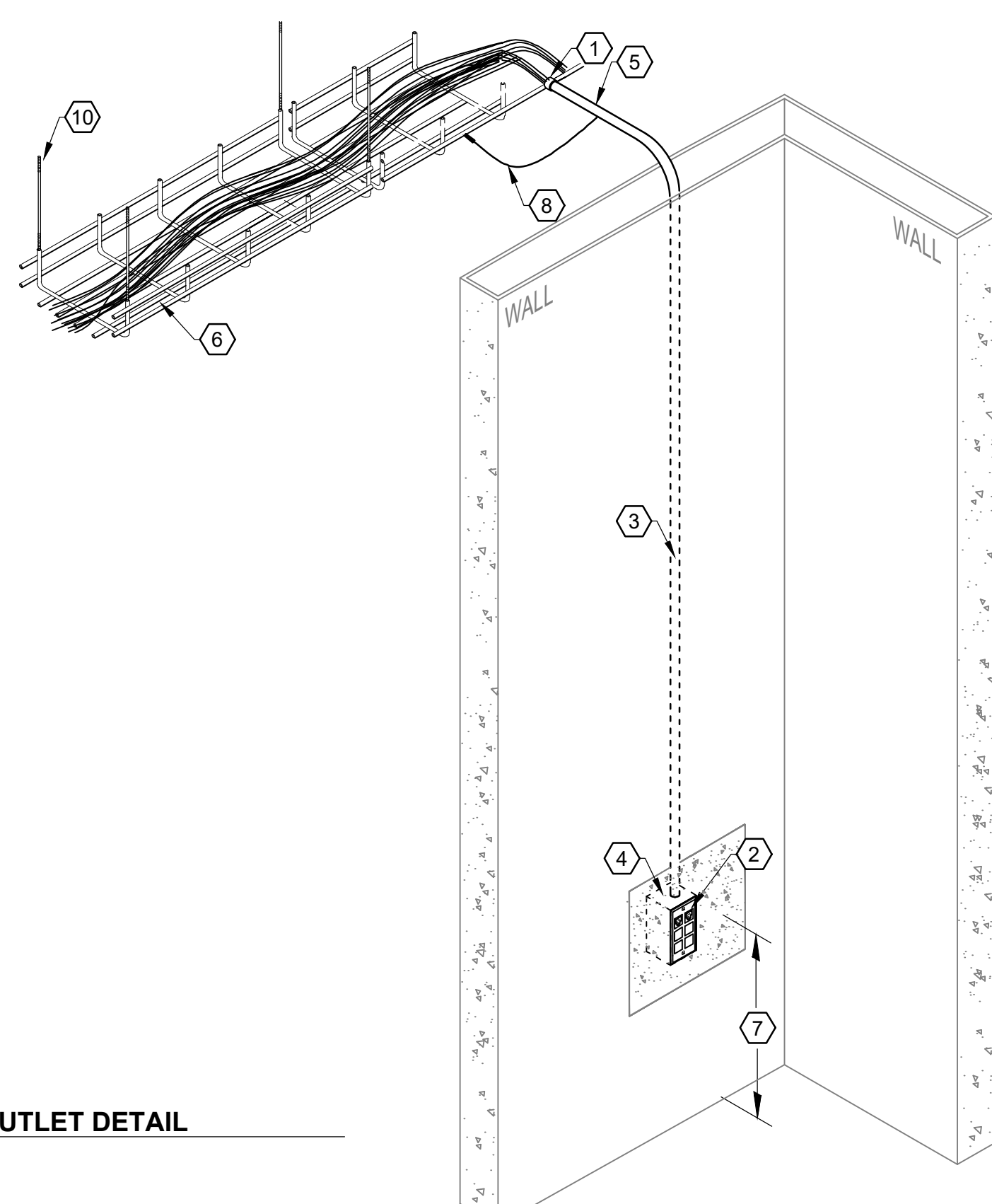
- 1 CABLES.
- 2 MANUFACTURED WALL PENETRATION.
- 3 INTERIOR WALL.
- 4 CABLE BEND RADIUS.



3 **MECHANICAL FIRE STOP DETAIL - WALL PENETRATION**
SCALE: NOT TO SCALE

KEYED NOTES:

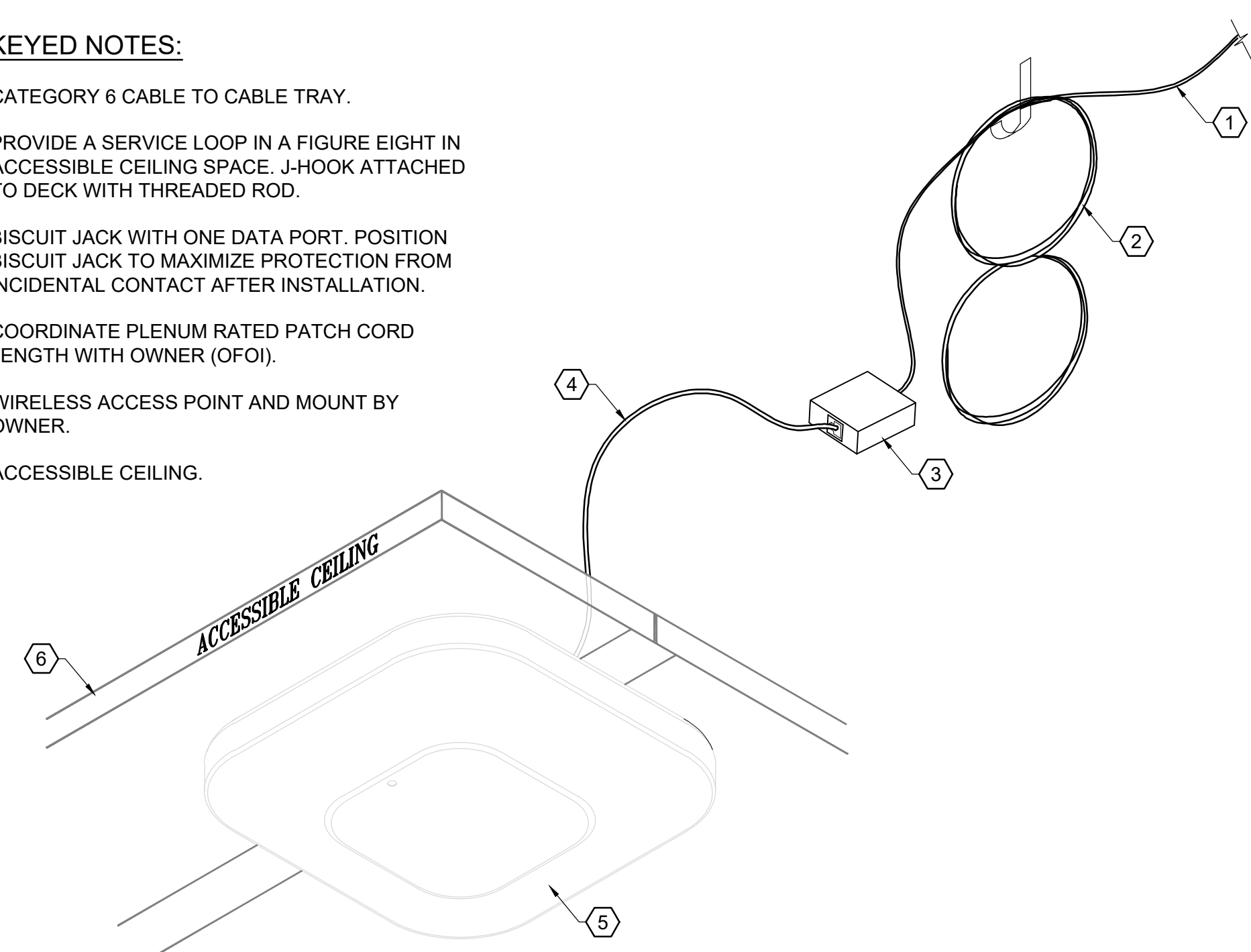
- 1 INSULATED BUSHING ON END OF CONDUIT
- 2 DATA OUTLET FACEPLATE.
- 3 1" CONDUIT WITH PULL STRING.
- 4 BACK BOX AS INDICATED ON SYMBOL SCHEDULE. (TYP)
- 5 COMMUNICATION CABLING. VERIFY ALL CABLING IS SUPPORTED SUFFICIENTLY.
- 6 PRIMARY COMMUNICATIONS CABLING PATHWAY.
- 7 COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT/GC.
- 8 BOND CONDUIT TO TRAY.



4 **COMMUNICATIONS OUTLET DETAIL**
SCALE: NOT TO SCALE

KEYED NOTES:

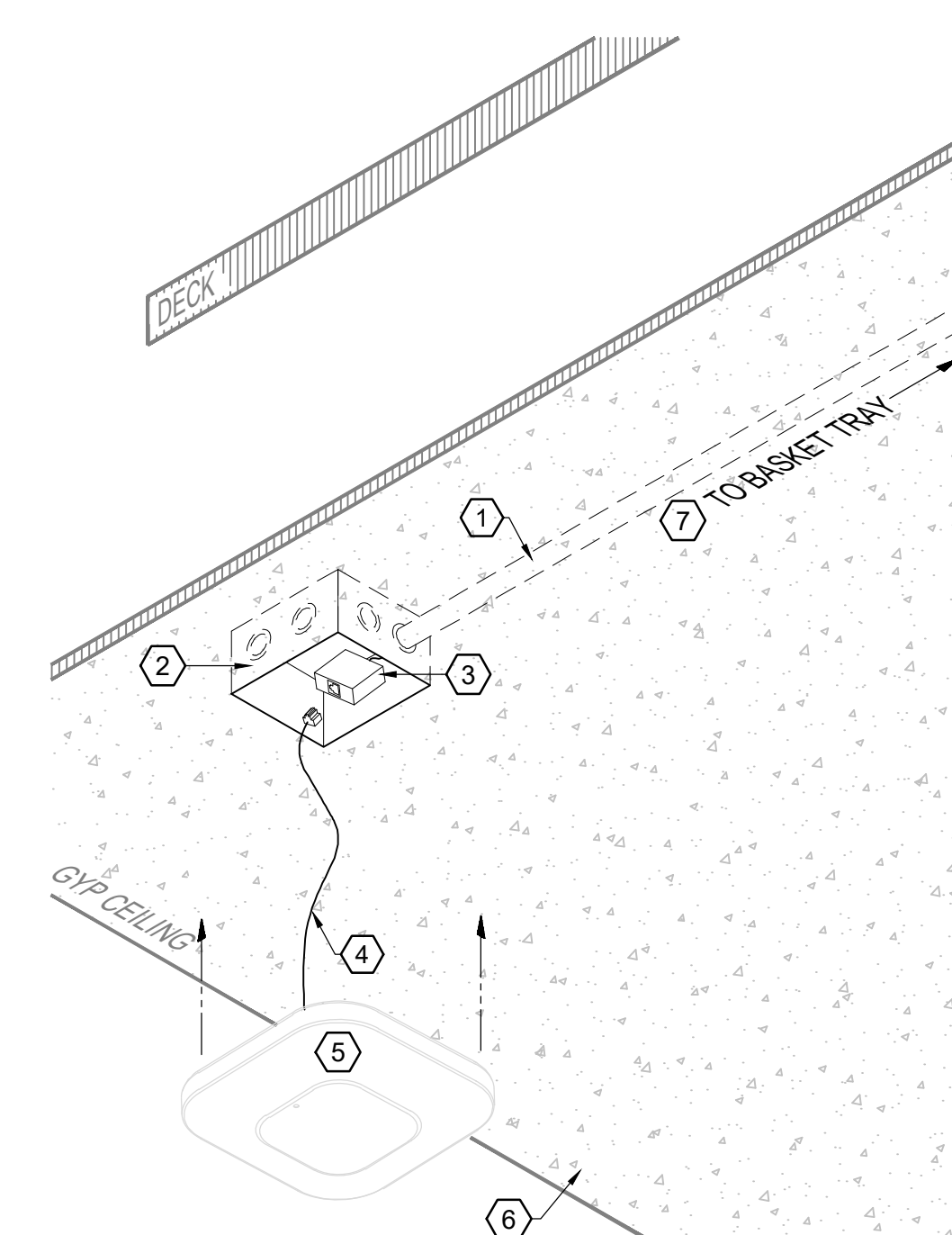
- 1 CATEGORY 6 CABLE TO CABLE TRAY.
- 2 PROVIDE A SERVICE LOOP IN A FIGURE EIGHT IN ACCESSIBLE CEILING SPACE. J-HOOK ATTACHED TO DECK WITH THREADED ROD.
- 3 BISCUIT JACK WITH ONE DATA PORT. POSITION BISCUIT JACK TO MAXIMIZE PROTECTION FROM INCIDENTAL CONTACT AFTER INSTALLATION.
- 4 COORDINATE PLENUM RATED PATCH CORD LENGTH WITH OWNER (OFOI).
- 5 WIRELESS ACCESS POINT AND MOUNT BY OWNER.
- 6 ACCESSIBLE CEILING.



5 **WIRELESS ACCESS POINT AT LAY-IN CEILING**
SCALE: NOT TO SCALE

KEYED NOTES:

- 1 ONE (1) 1"Ø CONDUIT WITH UTP CABLE ROUTED OVER HARD CEILING TO BASKET TRAY AT ACCESSIBLE CEILING. PROVIDE PULL STRING AND PROTECTIVE BUSHING AT END.
- 2 4-11/16" x 4-11/16" x 2-1/8" DUAL GANG BOX MOUNTED FLUSH WITH GYP CEILING FOR ACCESS. (BY DIV 26)
- 3 BISCUIT JACK WITH ONE DATA PORT.
- 4 COORDINATE PLENUM RATED PATCH CORD LENGTH WITH OWNER (OFOI).
- 5 WIRELESS ACCESS POINT AND MOUNT BY OWNER.
- 6 GYP/HARD CEILING.
- 7 PROVIDE CABLE SLACK STORED IN A FIGURE EIGHT ON J-HOOK WHERE CABLE EXITS CONDUIT (NOT SHOWN).



6 **WIRELESS ACCESS POINT AT GYP CEILING**
SCALE: NOT TO SCALE

7 **NOT USED**
SCALE: NOT TO SCALE

8 **NOT USED**
SCALE: NOT TO SCALE

9 **NOT USED**
SCALE: NOT TO SCALE

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REVISION	DESCRIPTION	DATE

PROFESSIONAL SEALS

Bicsi
John Rob Hicks
BICSID # 200774
Expires 12-31-25

John Rob Hicks

COMMUNICATIONS - GENERAL
DETAILS

DRAWN BY: AN
PROJECT NUMBER: 32AC23037
ORIGINAL ISSUE: 100% ISSUE FOR CONSTRUCTION

CHECKED BY: Checker
PROJECT ABBREVIATION: ABBREV
DATE: 12 JULY 2024

T-401
SHEET NUMBER

SECURITY NOTES

ARCHITECT/GEN. CONTRACTOR/CONST. MANAGER NOTES:

- 1.) THE ARCHITECT AND/OR GENERAL CONTRACTOR/CONSTRUCTION MANAGER IS RESPONSIBLE TO ENSURE THAT ALL DIVISIONS AND TRADES ARE AWARE OF WORK REQUIRED TO SUPPORT THE INSTALLATION OF RELATED SYSTEMS AND SUB-SYSTEMS. CONTRACTORS ARE RESPONSIBLE TO REVIEW ALL RELATED SPECIFICATIONS AND DRAWINGS.

SECURITY NOTES:

- 1.) THE SECURITY INTEGRATOR (SUBCONTRACTOR) SHALL REVIEW ALL CONSTRUCTION DOCUMENTS FOR RELATED SECTIONS, WHICH MAKE UP THE CONTRACT DOCUMENTS AND SHALL COORDINATE ALL ELECTRONIC SECURITY WORK ON THE ELECTRONIC SECURITY PLANS WITH ANY ELECTRONIC SECURITY SECTIONS OF RELATED DRAWINGS AND SPECIFICATIONS.
 - A.) ELECTRONIC SECURITY REQUIREMENTS FOR THE PROJECT ARE THE RESPONSIBILITY OF THE SECURITY INTEGRATOR (SUBCONTRACTOR) UNLESS OTHERWISE NOTED. COORDINATE WITH ALL TRADES THAT APPLY. REFER TO MEP AND COMMUNICATIONS SHEETS FOR ADDITIONAL CABLING REQUIREMENTS.
- 2.) ALL COMPONENTS AND DEVICES SHOWN ON THESE DRAWINGS ARE FOR APPROXIMATE LOCATION AND POSITIONING ONLY. VERIFY EXACT LOCATIONS WITH THE OWNER OR G.C. PRIOR TO INSTALLATION. ALL SECURITY DEVICES ARE PROVIDED BY OTHERS.
- 3.) ALL PRIMARY SECURITY WIRING PATHWAYS OUTSIDE OF SECURITY ROOMS SHALL BE BY ELECTRICAL CONTRACTOR. ALL CONDUIT RUNS SHALL BE FROM THE INSTALLED SECURITY DEVICE LOCATION TO THE NEAREST ACCESSIBLE CEILING SPACE.
- 4.) CONTRACTOR SHALL COORDINATE WITH TELECOMMUNICATIONS CONTRACTOR AND CONSULT THE TELECOMMUNICATIONS DRAWINGS. INSTALL J-HOOKS AS REQUIRED TO SUPPORT SECURITY CABLING.
- 5.) PROVIDE ALL NECESSARY MEANS TO PROTECT ALL SECURITY CABLING AND CONNECTORS FROM MECHANICAL DAMAGE, DUST AND DIRT DURING CONSTRUCTION.
- 6.) FIRE PANEL CONNECTIVITY AND PROGRAMMING BY FIRE ALARM CONTRACTOR.
- 7.) SECURITY INTEGRATOR SHALL COORDINATE ANY INSTALLATION IN TELECOM ROOMS WITH OWNER IT DEPARTMENT.
- 8.) SHIELDED AND SCREENED CABLES SHALL HAVE THEIR SHIELD'S GROUNDED PER MANUFACTURER'S INSTRUCTION. WHEN SHIELD GROUNDS ARE REQUIRED AT ONE END ONLY, THEY SHALL BE GROUNDED AT THE DGP (MASTER PANEL WHEN REMOTE PANELS ARE USED), WITH THE OTHER END OF THE CABLE, INSULATED TO PREVENT SHIELD GROUNDING.

- 9.) ALL METALLIC DATA, SIGNALING AND POWER CONDUCTORS FOR ROOF, FENCE AND POLE/TOWER MOUNTED DEVICES/SENSORS SHALL HAVE SURGE SUPPRESSORS WITH MANUFACTURER RECOMMENDED GROUNDING AT BOTH THE DEVICE AND TERMINATION ENDS.
- 10.) ALL POWER SUPPLIES NOT FED FROM A UPS SHALL HAVE EXTERNAL SURGE SUPPRESSORS WITH MANUFACTURER RECOMMENDED GROUNDING.

ELECTRICAL CONTRACTOR NOTES:

- 1.) ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE THE FOLLOWING FOR SECURITY INFRASTRUCTURE: CONDUIT, SLEEVES, WALL, AND FLOOR BOXES. REFER TO ELECTRICAL AND TELECOMMUNICATIONS DRAWINGS.
 - A.) PROVIDE AND INSTALL WALL MOUNTED 3/4" FIRE RETARDANT PLYWOOD FOR ALL SECURITY PANEL LOCATIONS. APPLY WHITE OR LIGHT COLORED PAINT TO ALL SIDES OF PLYWOOD PRIOR TO INSTALLATION. (BY ELECTRICAL CONTRACTOR, OR AS DESIGNATED BY C.M.)
 - B.) REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE WALL AND CABINERY BOX LOCATIONS.
 - C.) ALL BOXES INSTALLED FOR SECURITY SHALL HAVE CONDUITS INSTALLED FROM BACK BOX TO NEAREST ACCESSIBLE CEILING SPACE AT A POINT THAT ALLOWS ADEQUATE VERTICAL WORK ROOM.
- 2.) CONTRACTOR SHALL PROVIDE RACEWAY INSTALLATION IN A MANNER THAT WILL PROTECT ALL SECURITY CABLING FROM MECHANICAL DAMAGE. INSTALL CONDUITS FOR SECURITY WITH LONG RADIUS BENDS AND BUSHED ENDS.
- 3.) PROVIDE DEDICATED RECEPTACLE CIRCUITS LOCATED ON OR NEAR EACH EQUIPMENT RACK LOCATED IN THE SECURITY ROOMS. SEE DRAWINGS FOR EXACT LOCATIONS.
- 4.) CONTRACTOR SHALL INSTALL A TIED OFF NYLON PULL STRING IN ALL CONDUITS.
- 5.) IDENTIFICATION:
 - A.) SPRAY ALL BOXES AND CONDUIT FOR SECURITY WITH A DISTINCTIVE COLOR FOR EASY IDENTIFICATION. COLOR SHALL BE DIFFERENT FROM OTHER TRADES.

LEGEND

- WALL MOUNTED CARD READER
- DOOR POSITION SENSOR.
- REQUEST TO EXIT. (REX) (BY DIV 08)
- DOOR/OPENING CALLOUT. REFER TO DESIGNATED DETAIL.
- INTERIOR DOME SURVEILLANCE CAMERA WITH A MINIMUM 2MP RESOLUTION (1080P).
- 180° WIDE ANGLE MULTI-SENSOR INTERIOR DOME SURVEILLANCE CAMERA WITH A MINIMUM 2MP PER SENSOR RESOLUTION (4MP MIN).
- 360° WIDE ANGLE MULTI-SENSOR INTERIOR DOME SURVEILLANCE CAMERA WITH A MINIMUM 2MP PER SENSOR RESOLUTION (8MP MIN).
- EXTERIOR DOME SURVEILLANCE CAMERA WITH A MINIMUM 2MP (1080P) RESOLUTION. PROVIDE ENVIRONMENTALLY CONTROLLED ENCLOSURE.
- EMERGENCY PHONE / INTERCOM WITH ACS INTEGRATION.
- DESKTOP MASTER INTERCOM
- 360 MOTION DETECTOR.
- CEILING MOUNT MOTION DETECTOR.
- DUAL TECHNOLOGY MOTION DETECTOR
2) TWO CEILING MOUNTED NARROW BEAM LONG RANGE MOTION DETECTOR FACING OPPOSITE DIRECTIONS.
- DOOR RELEASE.
- SECURITY KEYPAD.

ABBREVIATIONS

- AC: ACCESS CONTROL
- APS: ACCESS CONTROL SYSTEM POWER SUPPLY
- CCTV: CLOSED CIRCUIT TELEVISION
- CPS: CAMERA POWER SUPPLY
- CPU: CENTRAL PROCESSING UNIT
- CR: CARD READER
- DGP: DATA GATHERING PANEL
- DVR: DIGITAL VIDEO RECORDER
- DIV 01: GENERAL REQUIREMENTS
- DIV 08: OPENINGS
- DIV 26: ELECTRICAL
- DIV 27: COMMUNICATIONS
- DP: DOOR POSITION SENSOR
- FOV: FIELD OF VIEW - CAMERA PICTURE
- GB: GLASS BREAK DETECTOR
- ID: INTRUSION DETECTION
- KVM: KEYBOARD-VIDEO-MOUSE SWITCH
- KP: INTRUSION DETECTION KEYPAD
- LPR: LICENSE PLATE RECOGNITION
- LPS: LOCK POWER SUPPLY
- MD: MOTION DETECTOR
- MP: MEGAPIXEL - CAMERA RESOLUTION
- NVR: NETWORK VIDEO RECORDER
- OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED
- OFOI: OWNER FURNISHED, OWNER INSTALLED
- POE: POWER OVER ETHERNET
- PP: TELECOMMUNICATIONS PATCH PANEL
- TR: TELECOMMUNICATIONS ROOM
- TCP/IP: TRANSFER CONTROL/INTERNET PROTOCOL
- UPS: UNINTERRUPTIBLE POWER SUPPLY
- UTP: UNSHIELDED TWISTED PAIR
- VMS: VIDEO MANAGEMENT SYSTEM

DRAWING LIST

SC-001	SECURITY - LEGEND AND NOTES
SC-002	SECURITY - RESPONSIBILITY MATRIX
SC-101-A	SECURITY - FLOOR PLAN - LEVEL 01 - AREA A
SC-101-C	SECURITY - YMCA FLOOR PLAN - LEVEL - AREA C
SC-301	SECURITY - DOOR DETAIL DETAILS
SC-401	SECURITY - GENERAL DETAILS

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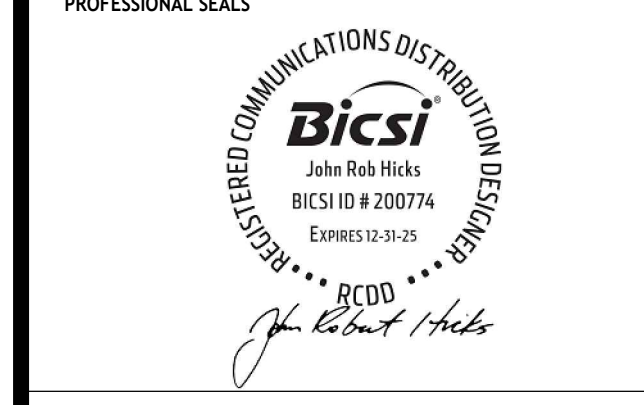
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REVISION DESCRIPTION DATE



SECURITY - LEGEND AND NOTES

DRAWN BY AN CHECKED BY Checker
PROJECT NUMBER 32AC2037 PROJECT ABBREVIATION ABBREV
ORIGINAL ISSUE DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

SC-001
SHEET NUMBER

GENERAL NOTES:

1.) RESPONSIBILITY MATRIX APPLICABLE TO ONLY THE NEW SECURE VESTIBULE.

DALLAS ISD ORGANIZATION	DALLAS ISD DEPT / DIV / GROUP	BUILDING SYSTEMS	DESCRIPTION: EQUIPMENT & DEVICES	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	EQUIPMENT & DEVICES:	PATHWAYS, CABLE TRAYS, CONDUIT, BACKBOXES, ETAL:	POWER:
IT	INFRASTRUCTURE	FIBER OPTIC	FIBER OPTIC CABLE FROM STREET TO MDF UPN	IT - FIBER CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL	IT - FIBER CONTRACTOR	CS - GENERAL CONTRACTOR (INCLUDING CIVIL PADS, VAULTS)	N/A
IT	INFRASTRUCTURE	INFRASTRUCTURE	FIBER OPTIC PATCH PANELS, JUMPERS, ETAL	IT - CABLING CONTRACTOR	A/E	IT - CABLING CONTRACTOR	N/A	N/A
IT	INFRASTRUCTURE	NETWORK	FIBER OPTIC CABLING - DARK FIBER	IT - FIBER CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL	IT - FIBER CONTRACTOR	CS - GENERAL CONTRACTOR (INCLUDING CIVIL PADS, VAULTS)	N/A
IT	INFRASTRUCTURE	NETWORK	FIBER OPTIC BACKBONE CABLING: MDF TO IDF'S	IT - CABLING CONTRACTOR	A/E (INCLUDING PADS, VAULTS) CIVIL		CS - GENERAL CONTRACTOR	N/A
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	PORTABLES	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	N/A
IT	INFRASTRUCTURE	NETWORK	UPS	A/E	A/E	IT - NETWORK EQUIPMENT 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	RACKS (FLOOR MOUNTED)	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	RACKS (WALL MOUNTED)	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
IT	INFRASTRUCTURE	NETWORK	PATCH CABLES	IT - CONSULTANT	N/A	IT - TECHNOLOGY CONTRACTOR	N/A	N/A
IT	INFRASTRUCTURE	NETWORK	BIOMETRIC CLOCKS (BIOCLOCKS)	A/E	A/E	CABLING BY IT - CABLING CONTRACTOR. DEVICE PROVIDED BY CS - GC PURCHASED FROM IT - BIOMETRIC CLOCK VENDOR	CS - GENERAL CONTRACTOR	POE BY IT-CABLING CONTRACTOR. DOES NOT REQUIRE LINE VOLTAGE POWER.
IT	INFRASTRUCTURE	NETWORK	POE SWITCH NETWORK	IT - NETWORK EQUIPMENT CONTRACTOR	N/A	IT - NETWORK EQUIPMENT CONTRACTOR	N/A	N/A
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	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	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
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/M&O	INFRASTRUCTURE ELECTRICAL	NETWORK	MDF/IDF: LIGHTNING PROTECTION SYSTEM AND EVENT ALERT	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
IT/POLICE	CSS/EM	ACCESS CONTROL	MDF & IDF ROOM SECURITY	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	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 CONTRACTS	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	NETWORK	PATCH PANELS SECURITY	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	N/A
IT/POLICE	CSS/EM	NETWORK	POE SWITCHES SECURITY DEVICES	CSS - SECURITY CONTRACTOR	N/A	CSS - SECURITY CONTRACTOR	N/A	CS - GENERAL CONTRACTOR
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	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/SPED	CSS	SAFETY & SECURITY	SPED MONITORING SYSTEM CAMERAS AND RECORDING	CSS - SECURITY CONTRACTOR	A/E	CSS - SECURITY CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
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
M&O	SOUND STAGE	VOICE COMMUNICATIONS	PATCH CABLES PA/SOUND	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	N/A
M&O	SOUND STAGE	VOICE COMMUNICATIONS	PATCH PANELS SOUND SYSTEM	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	N/A
M&O	SOUND STAGE	NETWORK	MASTER CLOCK	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
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
M&O	SOUND STAGE	VOICE COMMUNICATIONS	VOIP	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	SOUND SYSTEM	A/E	A/E	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR	CS - GENERAL CONTRACTOR
M&O	SOUND STAGE	VOICE COMMUNICATIONS	POE SWITCHES PA/SOUND	A/E	N/A	CS - GENERAL CONTRACTOR	N/A	CS - GENERAL CONTRACTOR

CITY OF DALLAS APPROVAL STAMP FOR BUILDING INSPECTION

CITY OF DALLAS APPROVAL STAMP FOR BUILDING INSPECTION

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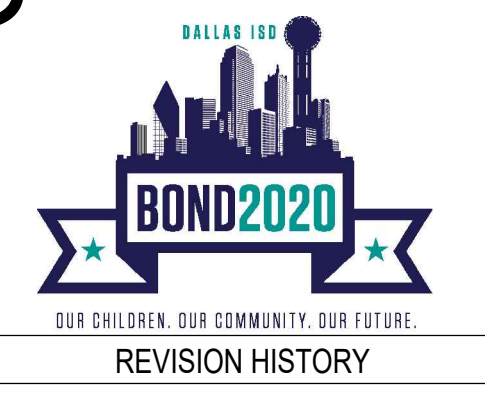
SECURITY & TECHNOLOGY MEP ENGINEERS
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512-478-0001
8302 Broadway Street
San Antonio, TX 78209
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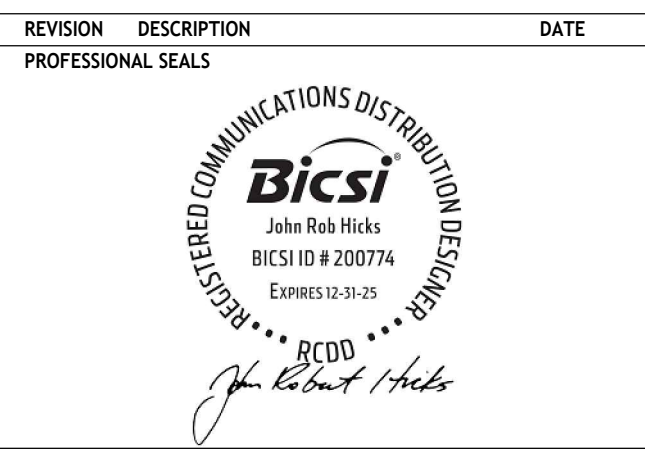
DATA COM DESIGN GROUP

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ORG049 Greiner Exploratory Arts Academy
501 S Edgewood Ave
Dallas, TX 75208



REVISION HISTORY



SECURITY - RESPONSIBILITY MATRIX

DRAWN BY AN CHECKED BY Checker
PROJECT NUMBER 32AC2037 PROJECT ABBREVIATION ABBREY
ORIGINAL ISSUE DATE 12 JULY 2024
100% ISSUE FOR CONSTRUCTION

SC-002
SHEET NUMBER

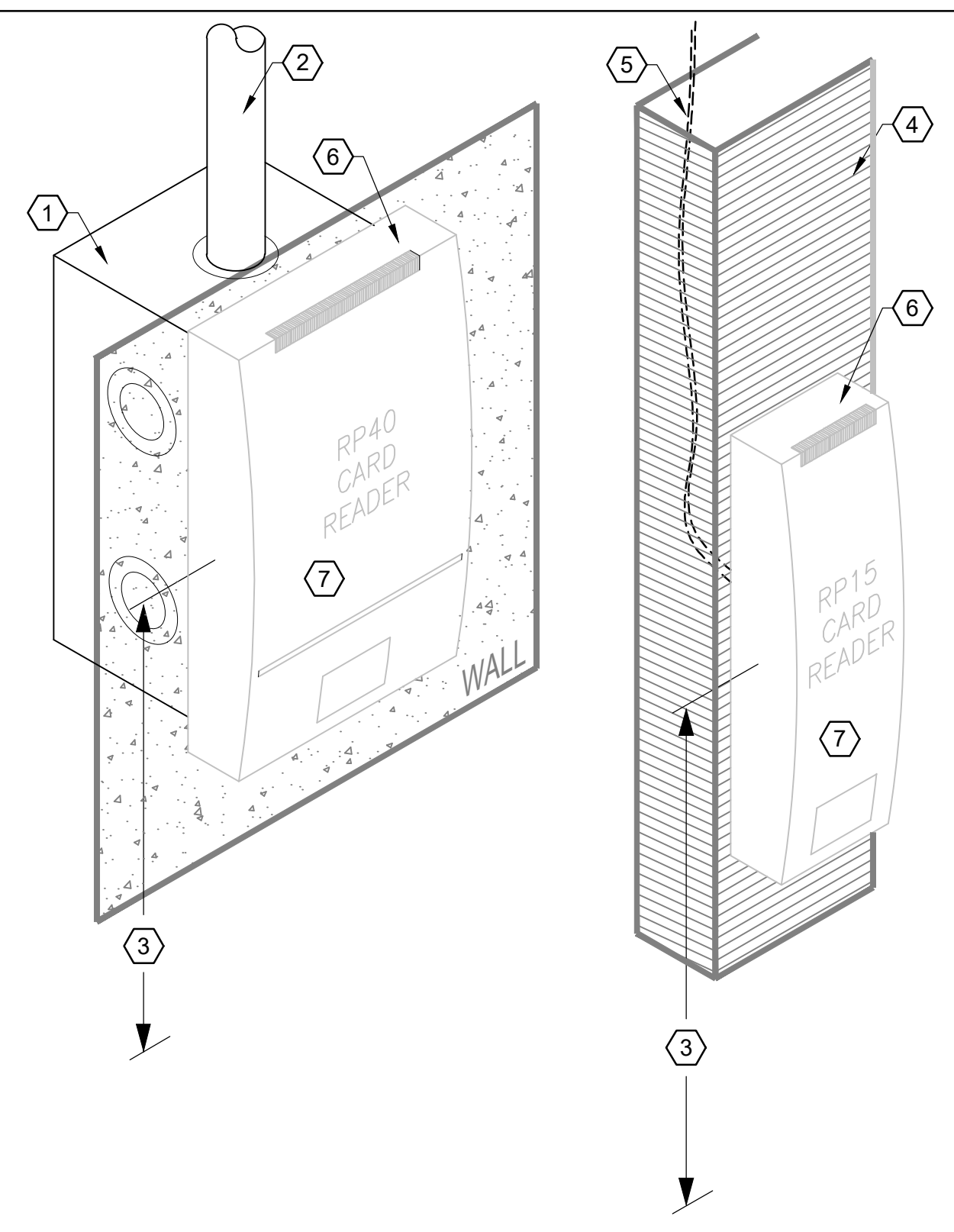
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CITY OF DALLAS
APPROVAL STAMP FOR
BUILDING INSPECTION

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BUILDING INSPECTION

KEYED NOTES:

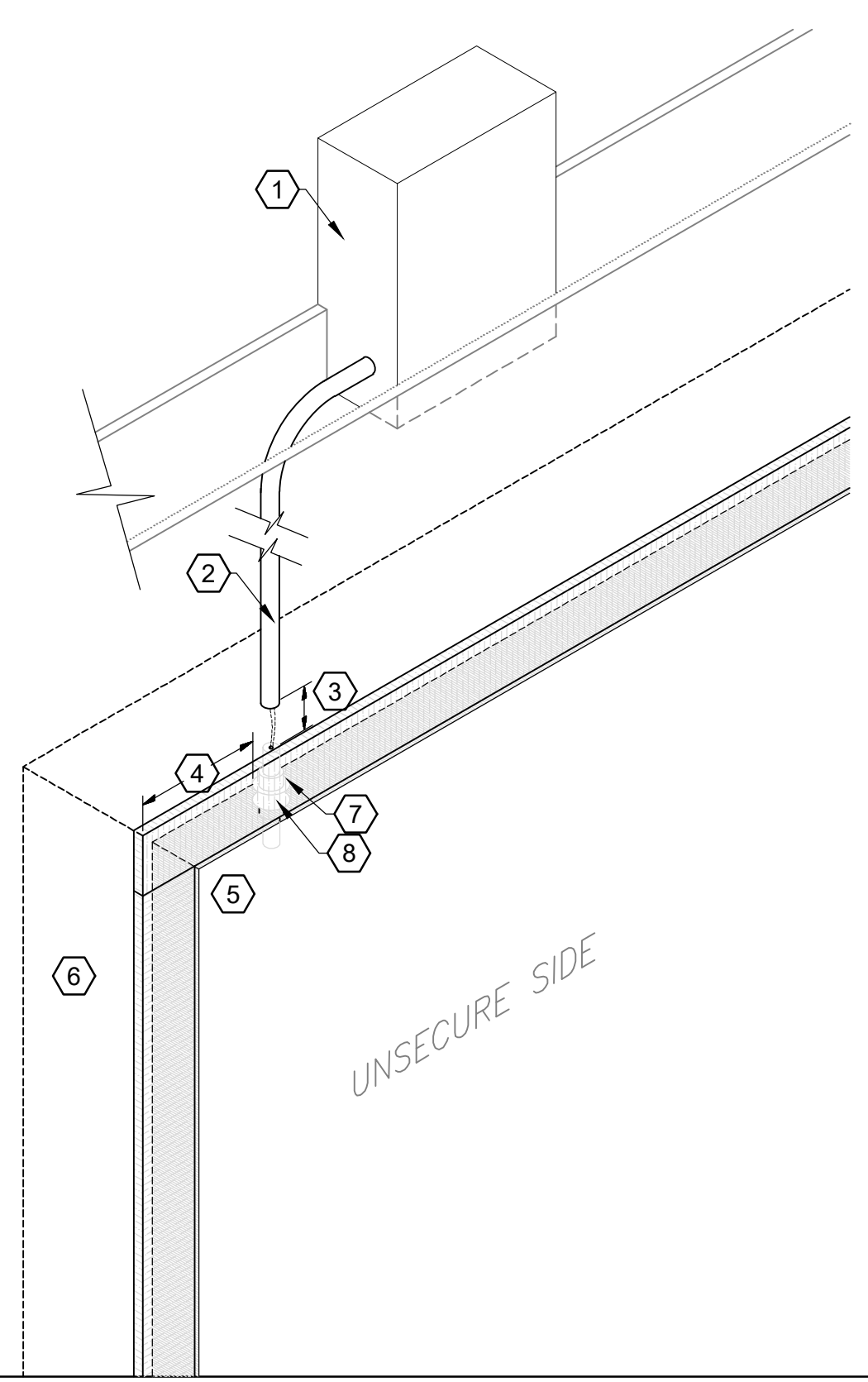
- ① RECESSED SINGLE GANG BACK BOX.
- ② 3/4"Ø CONDUIT C/W PULL STRING TO ACCESSIBLE CEILING SPACE. (BY DIV 26)
- ③ COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT/GC.
- ④ DOOR MULLION.
- ⑤ COORDINATE WIRE ROUTING WITH DIV 08.
- ⑥ PROVIDE END OF LINE RESISTOR. LABEL TOP OF CARD READER (BY OTHERS) WITH CORRESPONDING DOOR DESIGNATION. COORDINATE WITH OWNER ON EXACT LABELING METHOD.
- ⑦ CARD READER PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.



① MULTI CLASS SE CARD READERS
SCALE: Not to Scale

KEYED NOTES:

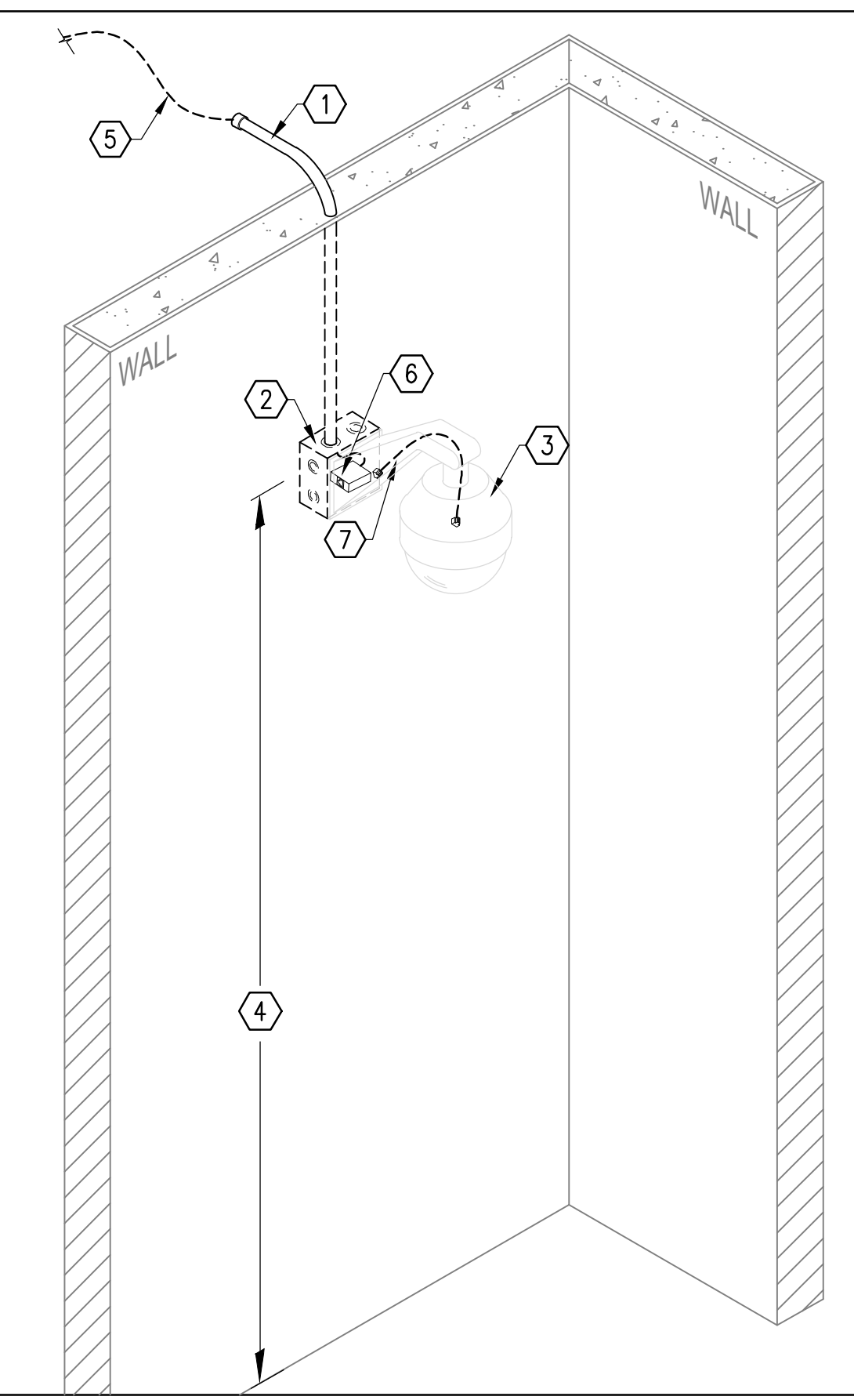
- ① CONCEALED 6" X 8" X 4" COVERED JUNCTION BOX LOCATED NEAR DOOR ABOVE CEILING ACCESSIBLE TO SECURE SIDE. (BY DIV 26)
- ② 3/4"Ø CONDUIT C/W PULL STRING. (BY DIV 26)
- ③ MAXIMUM OF 2" GAP WITH CLEAR WIRING PATH TO SWITCH.
- ④ 6" OPTIMAL FROM OUTSIDE EDGE OF HEADER.
- ⑤ DOOR. (BY DIV 08)
- ⑥ DOOR FRAME. (BY DIV 01 & 08)
- ⑦ DOOR POSITION SWITCH (1"Ø) WITH DPDT CONTACTS. PROVIDE END OF LINE RESISTOR.
- ⑧ DOOR MOUNTED MAGNET (1"Ø).
- ⑨ SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.



② MONITORED DOOR POSITION SENSOR (Ø)
SCALE: Not to Scale

KEYED NOTES:

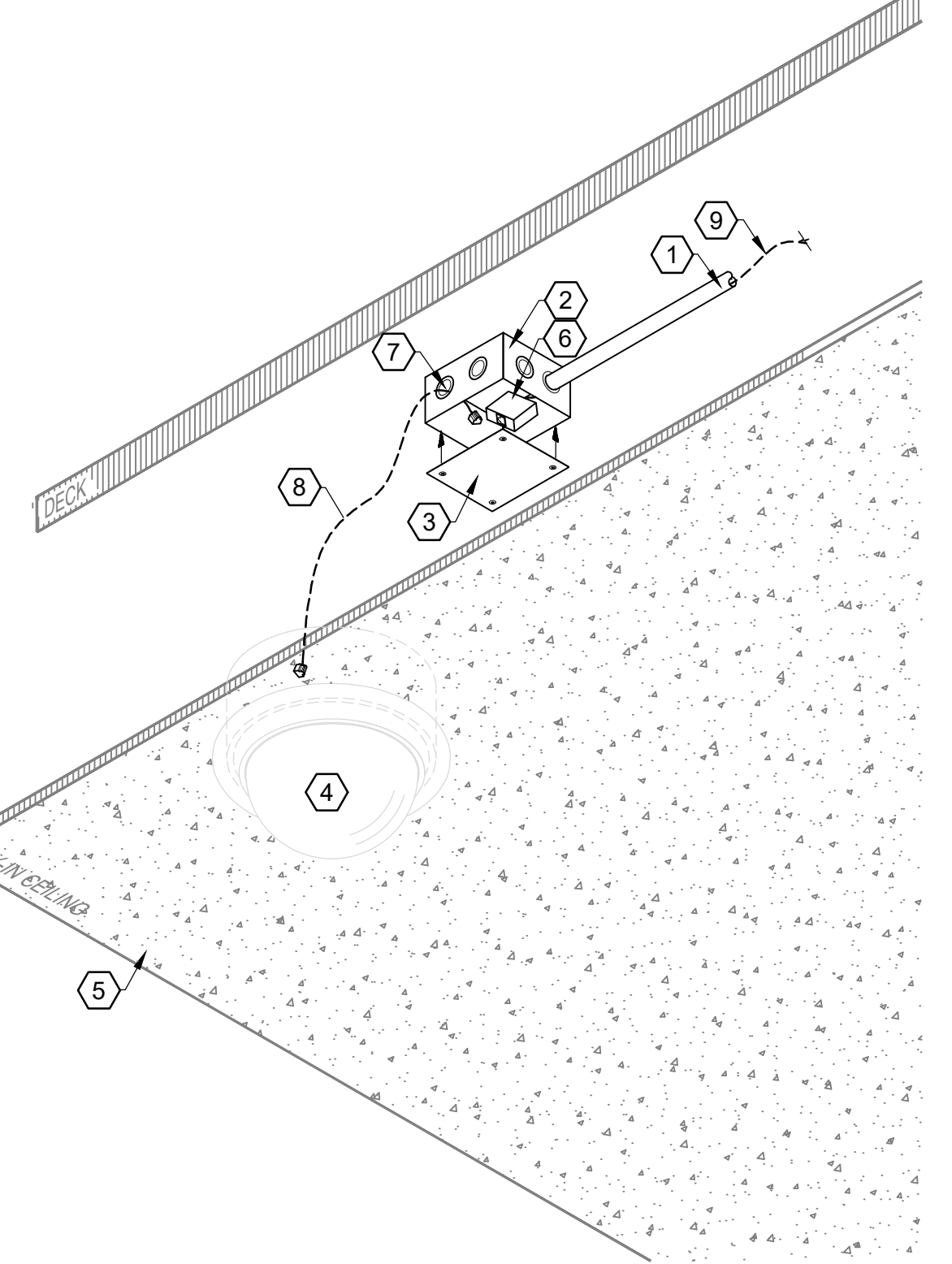
- ① 3/4"Ø CONDUIT C/W POLYLINE PULL STRING TO ACCESSIBLE CEILING SPACE. (BY DIV 26)
- ② FLUSH MOUNTED DOUBLE GANG BOX. (BY DIV 26)
- ③ PENDANT DOME CAMERA ENCLOSURE AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY THE MANUFACTURER. PROVIDED BY OTHERS.
- ④ 10'-0" TO 11'-0" TYPICAL. FIELD VERIFY MOUNTING HEIGHT.
- ⑤ HOMERUN CABLE BACK TO NEAREST TELECOM ROOM. (BY DIV 27)
- ⑥ BISCUIT WITH RJ-45 JACK UNMOUNTED IN BOX. (BY DIV 27)
- ⑦ PATCH CABLES MUST BE FACTORY MADE.
- ⑧ SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.



⑥ WALL MOUNTED CAMERA DETAIL (Ø)
SCALE: Not to Scale

KEYED NOTES:

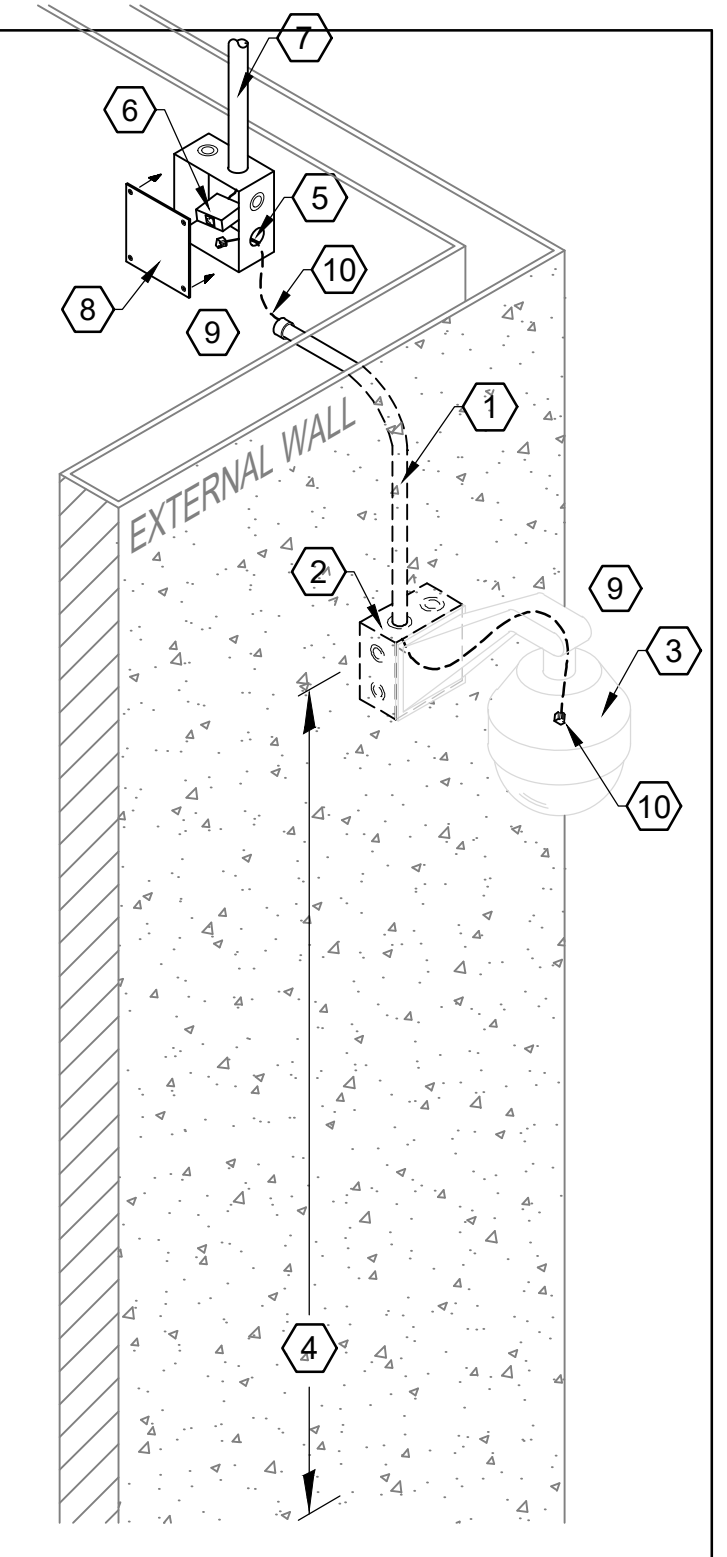
- ① 3/4"Ø CONDUIT TO ACCESSIBLE CEILING OR CABLE TRAY. (BY DIV 26)
- ② 4" X 4" X 2 1/2" BOX. (BY DIV 26)
- ③ BOX COVER PLATE WITH TORX TAMPER RESISTANT SCREWS.
- ④ PROVIDE FLUSH MOUNTED CAMERA, BACKBOX, ENCLOSURE AND MOUNTING HARDWARE. (BY OTHERS)
- ⑤ SCHEDULED CEILING.
- ⑥ BISCUIT WITH RJ-45 JACK UNMOUNTED IN BOX. (BY DIV 27)
- ⑦ PROVIDE AND INSTALL GROMMET FOR KNOCK-OUT.
- ⑧ PATCH CABLES MUST BE FACTORY MADE.
- ⑨ HOMERUN BACK TO NEAREST TELECOM ROOM. (BY DIV 27)
- ⑩ SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.



④ CEILING MOUNTED CAMERA DETAIL
SCALE: Not to Scale

KEYED NOTES:

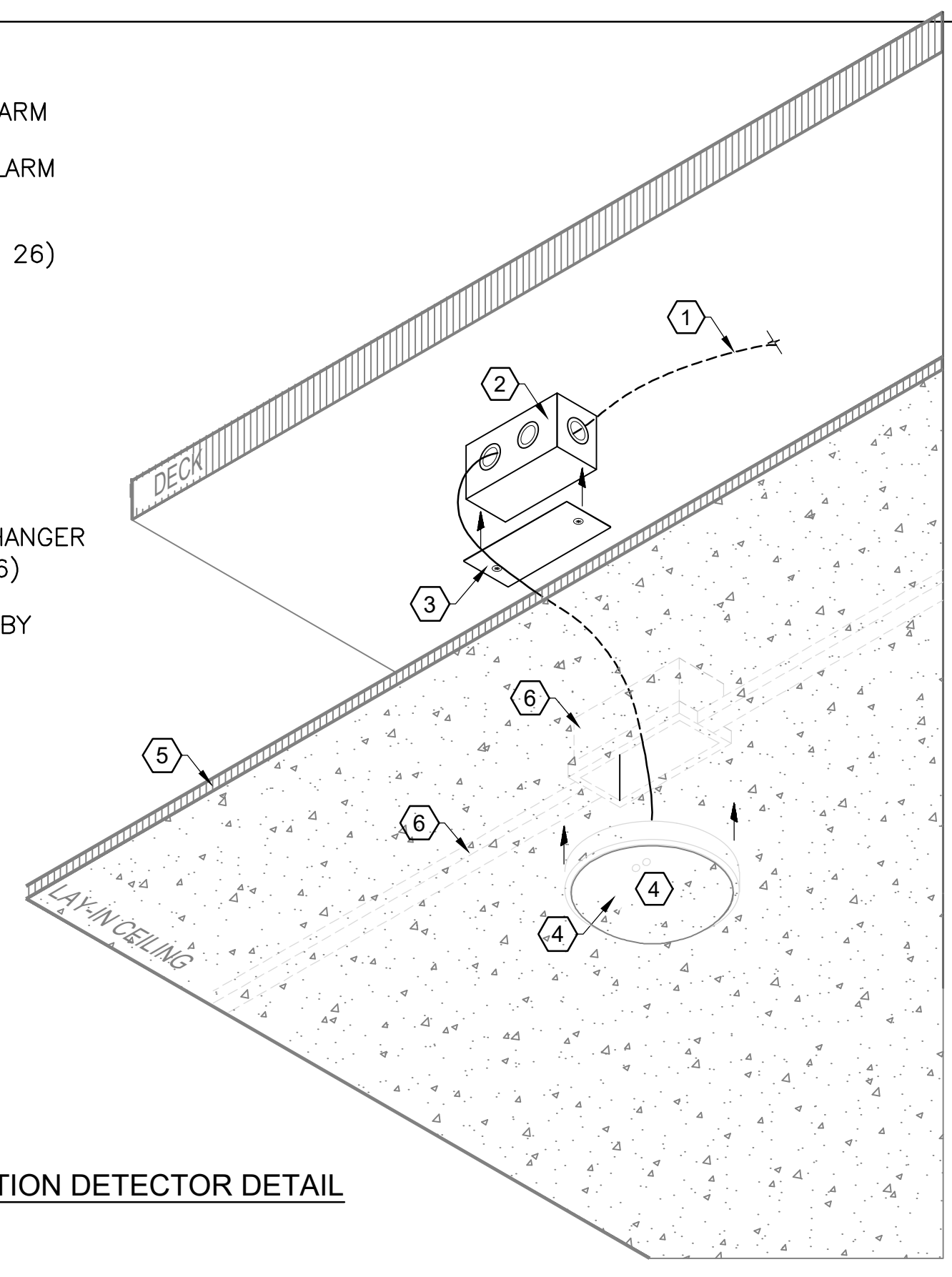
- ① 3/4"Ø CONDUIT C/W POLYLINE PULL STRING FROM EXTERNAL BOX TO INTERNAL SPACE. (BY DIV 26)
- ② FLUSH MOUNTED 4 1/8" X 4 1/8" X 2 1/2" DOUBLE GANG BOX. (BY DIV 26)
- ③ EXTERNAL PENDANT DOME CAMERA, ENCLOSURE AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY THE MANUFACTURER. PROVIDED BY OTHERS.
- ④ 10'-0" TO 11'-0" TYPICAL UNLESS OTHERWISE NOTED. FIELD VERIFY MOUNTING HEIGHT.
- ⑤ 4 1/8" X 4 1/8" X 2 1/2" DOUBLE GANG BOX. (BY DIV 26) PROVIDE AND INSTALL GROMMET FOR KNOCK-OUT.
- ⑥ BISCUIT WITH RJ-45 JACK UNMOUNTED IN BOX. (BY DIV 27)
- ⑦ 3/4"Ø CONDUIT TO CABLE TRAY OR ACCESSIBLE SPACE. (BY DIV 26)
- ⑧ BOX COVER PLATE WITH TORX TAMPER RESISTANT SCREWS.
- ⑨ PROVIDE AUXILIARY POWER FOR CAMERA SYSTEM AS REQUIRED.
- ⑩ PATCH CABLES MUST BE FACTORY MADE.



⑥ EXTERNAL WALL MOUNTED CAMERA DETAIL
SCALE: Not to Scale

KEYED NOTES:

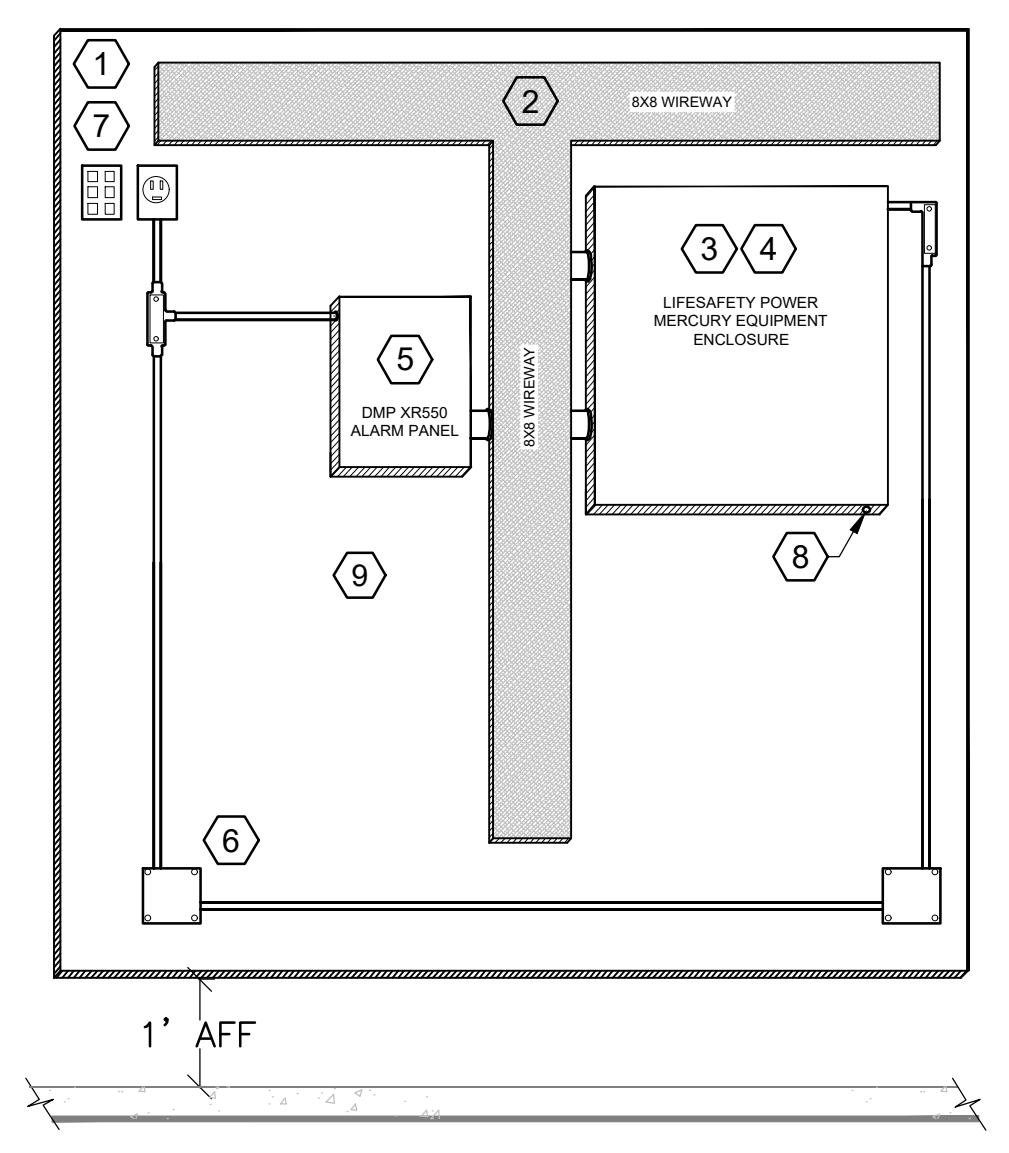
- ① FOUR CONDUCTOR INTRUSION ALARM CABLE. HOMERUN TO NEAREST INTRUSION DETECTION SYSTEM ALARM PANEL.
- ② SINGLE GANG BACKBOX. (BY DIV 26)
- ③ BOX COVER PLATE WITH TAMPER RESISTANT SCREWS.
- ④ MOTION DETECTOR. PROVIDED BY OTHERS.
- ⑤ SCHEDULED LAY-IN CEILING.
- ⑥ DEVICE RING AND T-GRID BAR HANGER TO SUPPORT DEVICE. (BY DIV 26)
- ⑦ SECURITY EQUIPMENT PROVIDED BY OTHERS. REFERENCE FOR INFRASTRUCTURE ONLY.



③ LAY-IN CEILING MOUNTED MOTION DETECTOR DETAIL
SCALE: Not to Scale

KEYED NOTES:

- ① 3/4" FIRE RETARDANT PLYWOOD PAINTED FLAT WHITE FOR MOUNTING SECURITY ENCLOSURES, WIRE AND WIRE MANAGEMENT SYSTEMS. (COORDINATED BY GENERAL CONTRACTOR)
- ② 8" X 8" WIREWAY. STORE EXTRA CABLE IN WIREWAY AND SEPARATE FROM OTHER CABLING.
- ③ MERCURY ELECTRONICS CABINET WITH LP4502 INTELLIGENT CONTROLLERS, MR2-S3 CARD READER INTERFACE BOARDS, AND MR16IN-S3/MR16OUT-S3 OUTPUT BOARDS AS REQUIRED.
- ④ MERCURY ELECTRONICS AND LOCK POWER SUPPLY SHALL BE IN A NEMA TYPE 1 ENCLOSURE WITH KEY LOCKING HINGED COVER, TAMPER SWITCH, BACKUP BATTERIES, AND LOCAL ON/OFF POWER SWITCH. LOCK POWER SUPPLY SHALL INCLUDE FUSED POWER DISTRIBUTION SYSTEM, LOCK RELAY INTERFACE, FIRE ALARM RELEASE INTERFACE, AND LOCAL ON/OFF POWER SWITCH.
- ⑤ DMP XR550 ALARM PANEL WITH NEMA TYPE 1 ENCLOSURE WITH KEY LOCKING HINGED COVER AND TAMPER SWITCH.
- ⑥ DEDICATED 120VAC CIRCUIT WITH DEDICATED GROUND ON 24 HOUR EMERGENCY POWER.
- ⑦ COMMUNICATIONS OUTLET. EACH DGP REQUIRES AT LEAST ONE DATA. (BY DIV 27)
- ⑧ FIRE ALARM INTERFACE.
- ⑨ FIELD VERIFY EXISTING WALL FIELD.



⑧ EXISTING TYPICAL WALL FIELD REFERENCE
SCALE: Not to Scale

⑧ NOT USED
SCALE: Not to Scale

⑨ NOT USED
SCALE: Not to Scale



LEVEL 01

General Notes

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

No.	Revision/Issue	Date

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

Project Name and Address
 GREINER EXPLORATORY
 ARTS ACADEMY
 501 S EDGEFIELD AVE
 7520875230

Project	ACM SAMPLE LOCATIONS	Sheet	ACM1
Date	07/18/24		
Scale			



LEVEL 02

General Notes

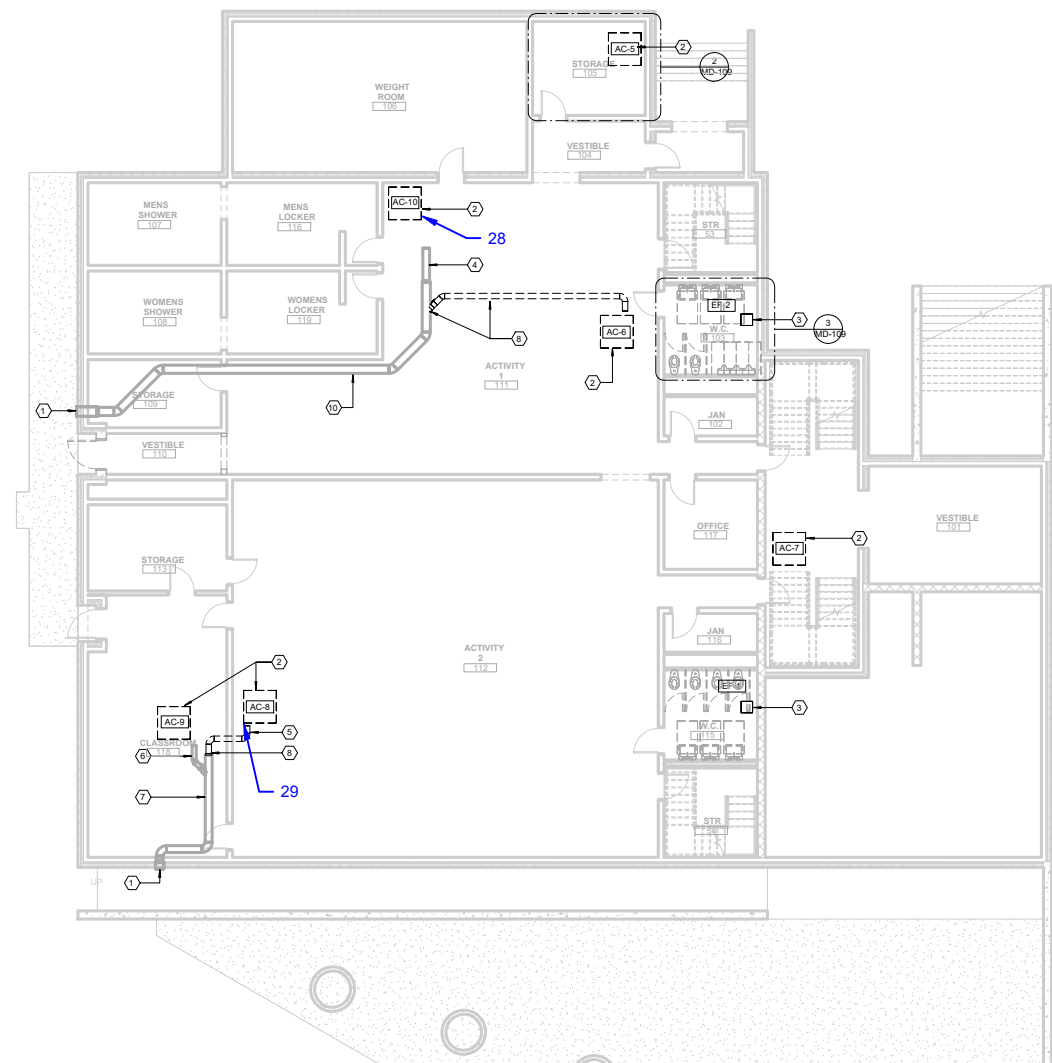
LEGEND:
 RED = ND SAMPLE LOCATIONS
 BLUE = ACM SAMPLE LOCATIONS

No.	Revision/Issue	Date

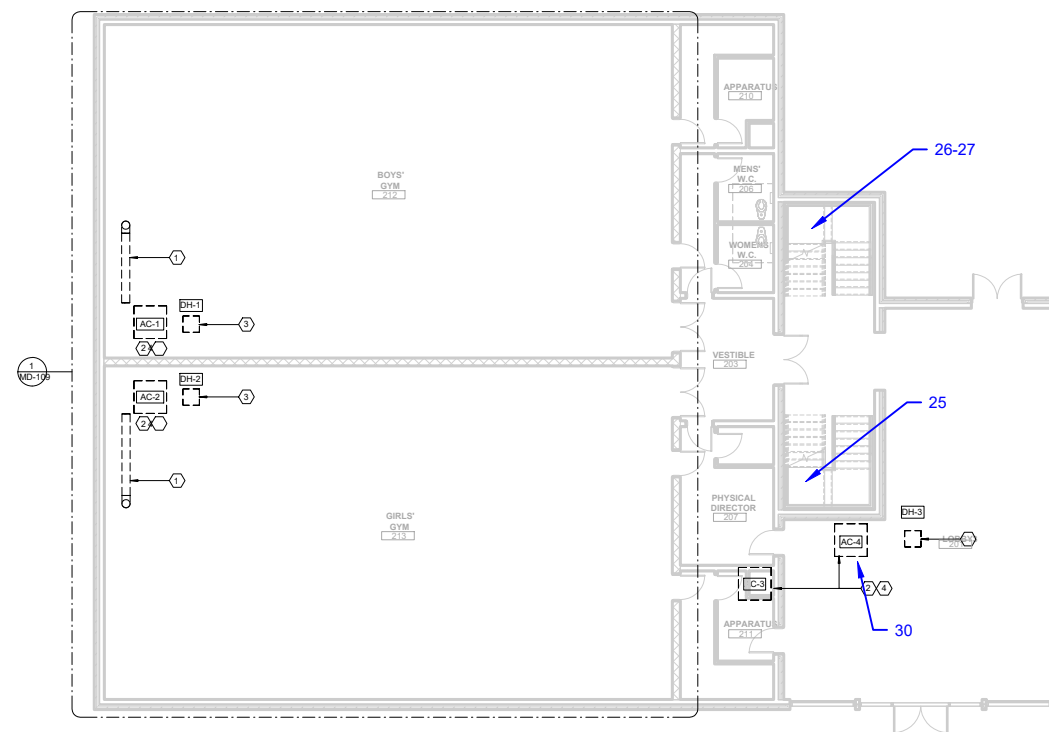
Firm Name and Address
 ABACUS ENVIRONMENT INC.
 5480 LA SIERRA DR.
 DALLAS, TX

Project Name and Address
 GREINER EXPLORATORY
 ARTS ACADEMY
 501 S EDGEFIELD AVE
 7520875230

Project ACM SAMPLE LOCATIONS	Sheet ACM2
Date 07/18/24	
Scale	



LEVEL 01
AREA C- YMCA



LEVEL 02
AREA C- YMCA

General Notes

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

No.	Revision/Issue	Date

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

Project Name and Address
 GREINER EXPLORATORY
 ARTS ACADEMY
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 7520875230

Project	ACM SAMPLE LOCATIONS	Sheet	ACM3
Date	07/18/24		
Scale			