

VOLUME 03
BENTONVILLE SCHOOL DISTRICT #6

BWHS - DEN Remodel

1355 GAMBLE ROAD, CENTERTON, ARKANSAS
Issue Date: 04/06/2026

Project No.: 2421

DEDUCTIVE BID
ALTERNATES :

REFER SHEET A2.1
1. VARSITY LOCKER BASE

STRUCTURAL ENGINEER:

TATUM-SMITH-WELCHER ENGINEERS
3100 S MARKET ST
SUITE 202
ROGERS, AR 72758

MECHANICAL / ELECTRICAL ENGINEER:

HSA ENGINEERING
7405 ELLIS ST
FORT SMITH, AR 72916

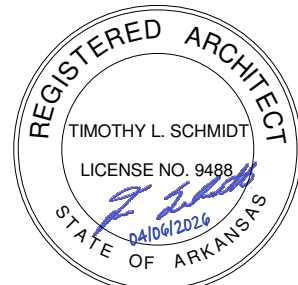
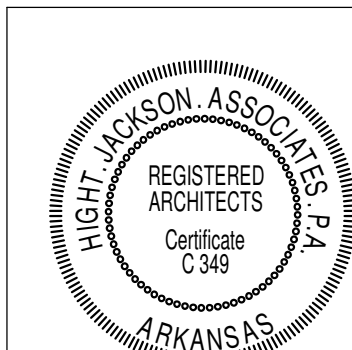
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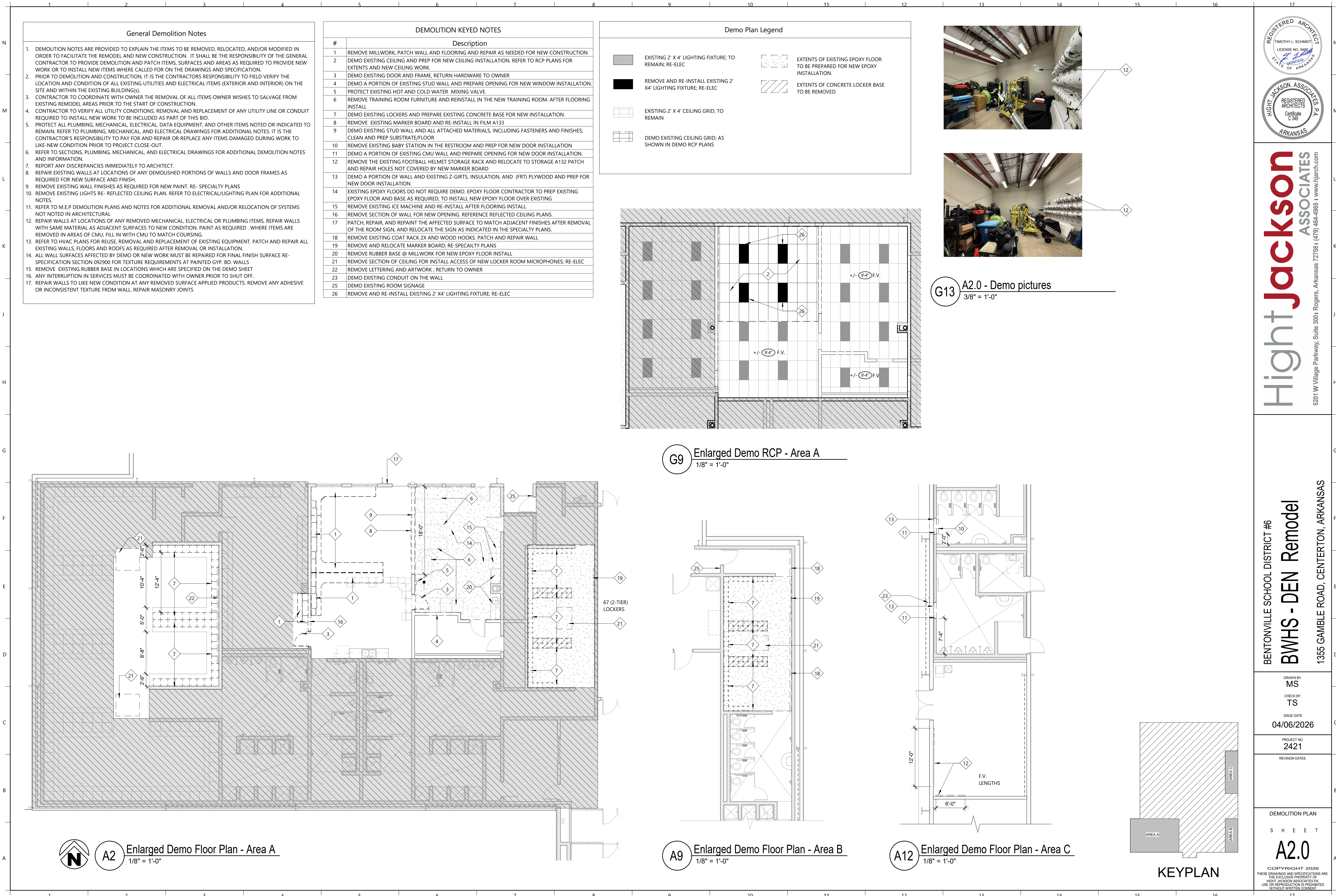
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ASSOCIATES

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General Demolition Notes

- DEMOLITION NOTES ARE PROVIDED TO EXPLAIN THE ITEMS TO BE REMOVED, RELOCATED, AND/OR MODIFIED IN ORDER TO FACILITATE THE REMODEL AND NEW CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE DEMOLITION AND PATCH ITEMS, SURFACES AND AREAS AS REQUIRED TO PROVIDE NEW WORK OR TO INSTALL NEW ITEMS WHERE CALLED FOR ON THE DRAWINGS AND SPECIFICATION.
- PRIOR TO DEMOLITION AND CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND CONDITION OF ALL EXISTING UTILITIES AND ELECTRICAL ITEMS (EXTERIOR AND INTERIOR) ON THE SITE AND WITHIN THE EXISTING BUILDING(S).
- CONTRACTOR TO COORDINATE WITH OWNER THE REMOVAL OF ALL ITEMS OWNER WISHES TO SALVAGE FROM EXISTING REMODEL AREAS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL UTILITY CONDITIONS. REMOVAL AND REPLACEMENT OF ANY UTILITY LINE OR CONDUIT REQUIRED TO INSTALL NEW WORK TO BE INCLUDED AS PART OF THIS BID.
- PROTECT ALL PLUMBING, MECHANICAL, ELECTRICAL, DATA EQUIPMENT, AND OTHER ITEMS NOTED OR INDICATED TO REMAIN. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR AND REPAIR OR REPLACE ANY ITEMS DAMAGED DURING WORK TO LIKE-NEW CONDITION PRIOR TO PROJECT CLOSE-OUT.
- REFER TO SECTIONS, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES AND INFORMATION.
- REPORT ANY DISCREPANCIES IMMEDIATELY TO ARCHITECT.
- REPAIR EXISTING WALLS AT LOCATIONS OF ANY DEMOLISHED PORTIONS OF WALLS AND DOOR FRAMES AS REQUIRED FOR NEW SURFACE AND FINISH.
- REMOVE EXISTING WALL FINISHES AS REQUIRED FOR NEW PAINT, RE- SPECIALTY PLANS
- REMOVE EXISTING LIGHTS RE- REFLECTED CEILING PLAN. REFER TO ELECTRICAL/LIGHTING PLAN FOR ADDITIONAL NOTES.
- REFER TO M.E.P DEMOLITION PLANS AND NOTES FOR ADDITIONAL REMOVAL AND/OR RELOCATION OF SYSTEMS NOT NOTED IN ARCHITECTURAL.
- REPAIR WALLS AT LOCATIONS OF ANY REMOVED MECHANICAL, ELECTRICAL OR PLUMBING ITEMS. REPAIR WALLS WITH SAME MATERIAL AS ADJACENT SURFACES TO NEW CONDITION. PAINT AS REQUIRED. WHERE ITEMS ARE REMOVED IN AREAS OF CMU, FILL IN WITH CMU TO MATCH COURSING.
- REFER TO HVAC PLANS FOR REUSE, REMOVAL AND REPLACEMENT OF EXISTING EQUIPMENT. PATCH AND REPAIR ALL EXISTING WALLS, FLOORS AND ROOFS AS REQUIRED AFTER REMOVAL OR INSTALLATION.
- ALL WALL SURFACES AFFECTED BY DEMO OR NEW WORK MUST BE REPAIRED FOR FINAL FINISH SURFACE RE- SPECIFICATION SECTION 092900 FOR TEXTURE REQUIREMENTS AT PAINTED GYP. BD. WALLS
- REMOVE EXISTING RUBBER BASE IN LOCATIONS WHICH ARE SPECIFIED ON THE DEMO SHEET
- ANY INTERRUPTION IN SERVICES MUST BE COORDINATED WITH OWNER PRIOR TO SHUT OFF.
- REPAIR WALLS TO LIKE NEW CONDITION AT ANY REMOVED SURFACE APPLIED PRODUCTS. REMOVE ANY ADHESIVE OR INCONSISTENT TEXTURE FROM WALL. REPAIR MASONRY JOINTS

DEMOLITION KEYED NOTES

#	Description
1	REMOVE MILLWORK; PATCH WALL AND FLOORING AND REPAIR AS NEEDED FOR NEW CONSTRUCTION
2	DEMO EXISTING CEILING AND PREP FOR NEW CEILING INSTALLATION. REFER TO RCP PLANS FOR EXTENTS AND NEW CEILING WORK.
3	DEMO EXISTING DOOR AND FRAME. RETURN HARDWARE TO OWNER
4	DEMO A PORTION OF EXISTING STUD WALL AND PREPARE OPENING FOR NEW WINDOW INSTALLATION.
5	PROTECT EXISTING HOT AND COLD WATER MIXING VALVE.
6	REMOVE TRAINING ROOM FURNITURE AND REINSTALL IN THE NEW TRAINING ROOM. AFTER FLOORING INSTALL
7	DEMO EXISTING LOCKERS AND PREPARE EXISTING CONCRETE BASE FOR NEW INSTALLATION.
8	REMOVE EXISTING MARKER BOARD AND RE-INSTALL IN FILM A133
9	DEMO EXISTING STUD WALL AND ALL ATTACHED MATERIALS, INCLUDING FASTENERS AND FINISHES; CLEAN AND PREP SUBSTRATE/FLOOR
10	REMOVE EXISTING BABY STATION IN THE RESTROOM AND PREP FOR NEW DOOR INSTALLATION
11	DEMO A PORTION OF EXISTING CMU WALL AND PREPARE OPENING FOR NEW DOOR INSTALLATION.
12	REMOVE THE EXISTING FOOTBALL HELMET STORAGE RACK AND RELOCATE TO STORAGE A132 PATCH AND REPAIR HOLES NOT COVERED BY NEW MARKER BOARD
13	DEMO A PORTION OF WALL AND EXISTING Z-GIRTS, INSULATION, AND (FRT) PLYWOOD AND PREP FOR NEW DOOR INSTALLATION.
14	EXISTING EPOXY FLOORS DO NOT REQUIRE DEMO. EPOXY FLOOR CONTRACTOR TO PREP EXISTING EPOXY FLOOR AND BASE AS REQUIRED, TO INSTALL NEW EPOXY FLOOR OVER EXISTING
15	REMOVE EXISTING ICE MACHINE AND RE-INSTALL AFTER FLOORING INSTALL.
16	REMOVE SECTION OF WALL FOR NEW OPENING. REFERENCE REFLECTED CEILING PLANS.
17	PATCH, REPAIR, AND REPAINT THE AFFECTED SURFACE TO MATCH ADJACENT FINISHES AFTER REMOVAL OF THE ROOM SIGN, AND RELOCATE THE SIGN AS INDICATED IN THE SPECIALTY PLANS.
18	REMOVE EXISTING COAT RACK 2X AND WOOD HOOKS. PATCH AND REPAIR WALL
19	REMOVE AND RELOCATE MARKER BOARD; RE-SPECIALTY PLANS
20	REMOVE RUBBER BASE @ MILLWORK FOR NEW EPOXY FLOOR INSTALL
21	REMOVE SECTION OF CEILING FOR INSTALL ACCESS OF NEW LOCKER ROOM MICROPHONES; RE-ELEC
22	REMOVE LETTERING AND ARTWORK; RETURN TO OWNER
23	DEMO EXISTING CONDUIT ON THE WALL
25	DEMO EXISTING ROOM SIGNAGE
26	REMOVE AND RE-INSTALL EXISTING 2' X4' LIGHTING FIXTURE; RE-ELEC

Demo Plan Legend

- EXISTING 2' X 4' LIGHTING FIXTURE; TO REMAIN; RE-ELEC
- REMOVE AND RE-INSTALL EXISTING 2' X4' LIGHTING FIXTURE; RE-ELEC
- EXISTING 2' X 4' CEILING GRID; TO REMAIN
- DEMO EXISTING CEILING GRID; AS SHOWN IN DEMO RCP PLANS
- EXTENTS OF EXISTING EPOXY FLOOR TO BE PREPARED FOR NEW EPOXY INSTALLATION.
- EXTENTS OF CONCRETE LOCKER BASE TO BE REMOVED

G9 Enlarged Demo RCP - Area A
1/8" = 1'-0"

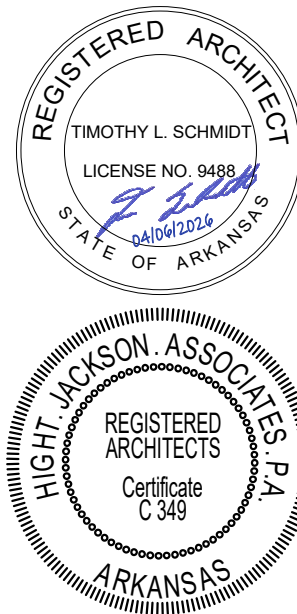
A9 Enlarged Demo Floor Plan - Area B
1/8" = 1'-0"

A12 Enlarged Demo Floor Plan - Area C
1/8" = 1'-0"

KEYPLAN



G13 A2.0 - Demo pictures
3/8" = 1'-0"



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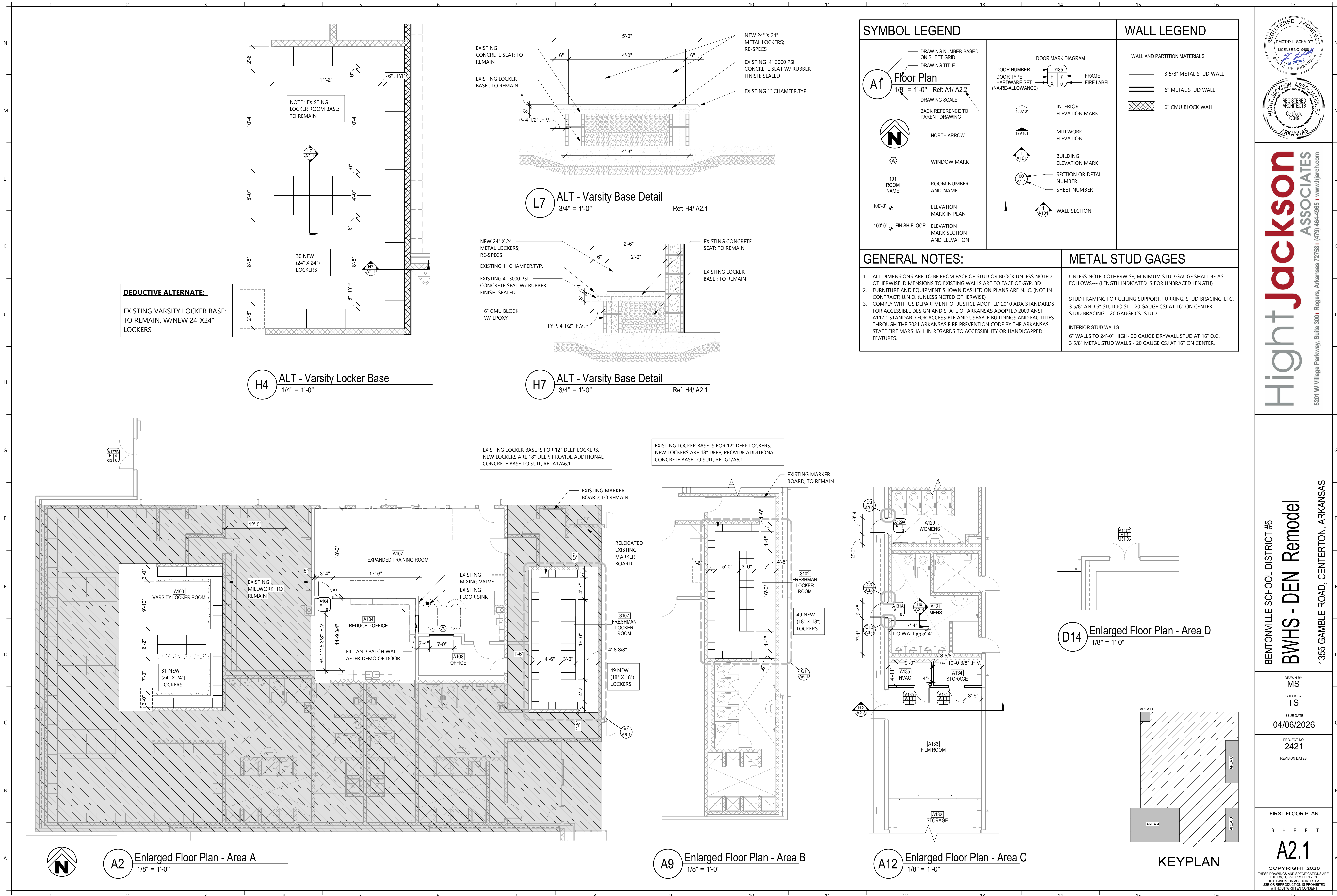
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BWHS - DEN Remodel
1355 GAMBLE ROAD, CENTERTON, ARKANSAS

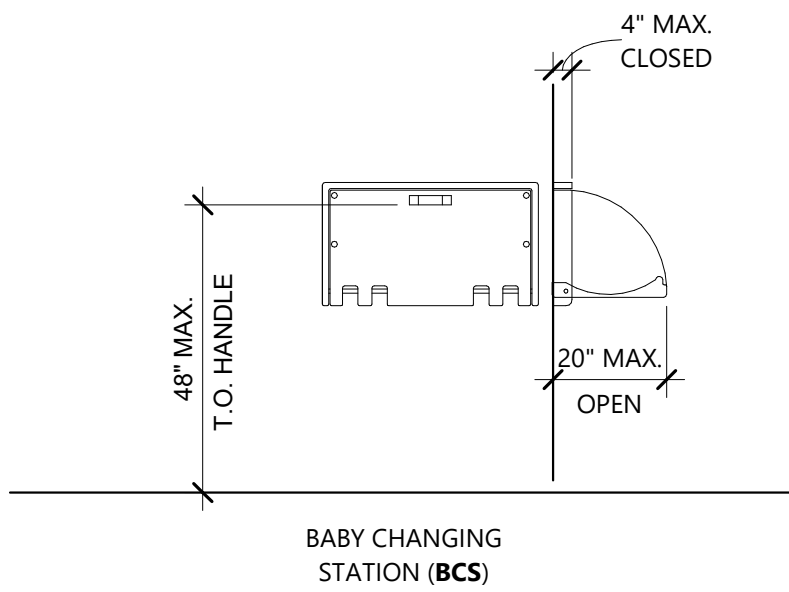
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04/06/2026

PROJECT NO.
2421

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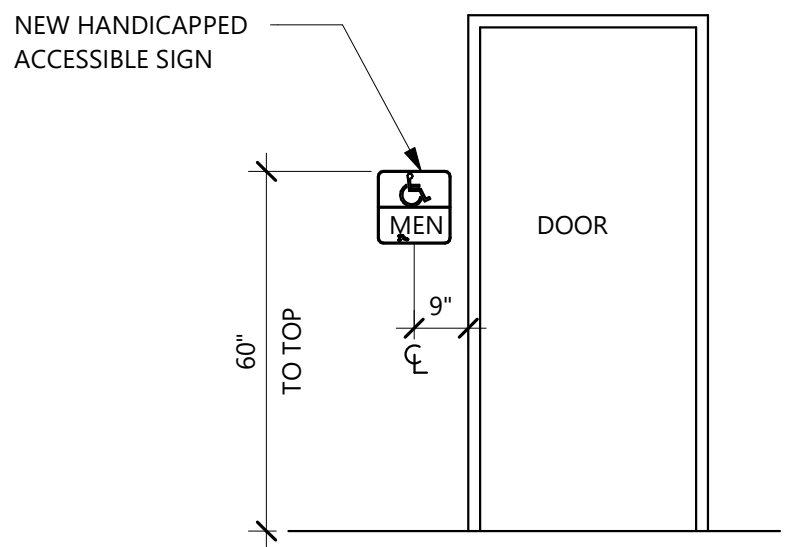
DEMOLITION PLAN
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A2.0
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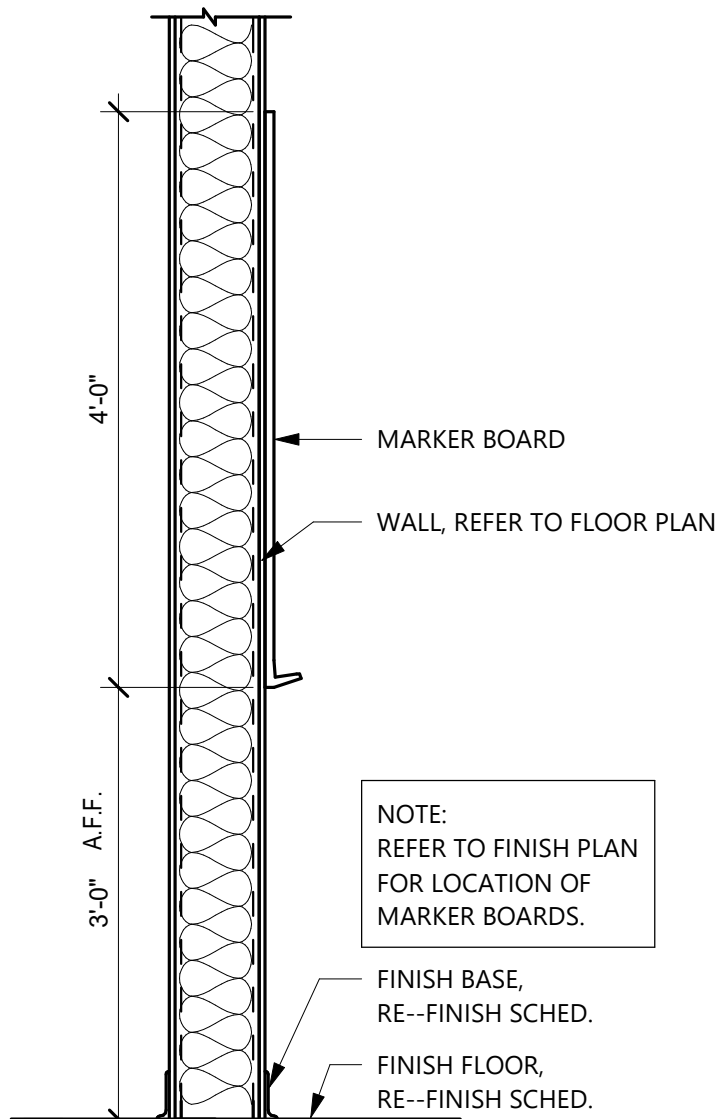


L1 BCS Detail
3/8" = 1'-0"

SIGN SHALL BE MOUNTED ON THE WALL ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" A.F.F. TO THE TOP OF SIGN. MOUNTING LOCATION FOR SIGN SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3' OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

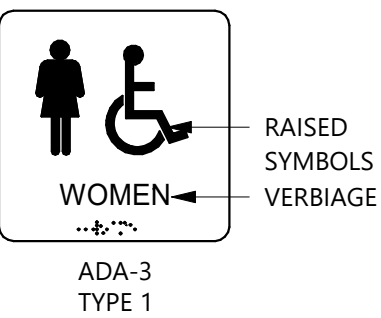


G1 Room Signage Detail
3/8" = 1'-0"

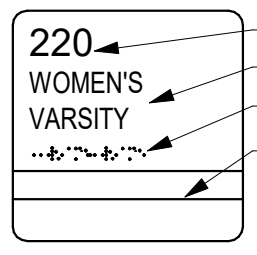


G3 Marker Board Section
3/4" = 1'-0"

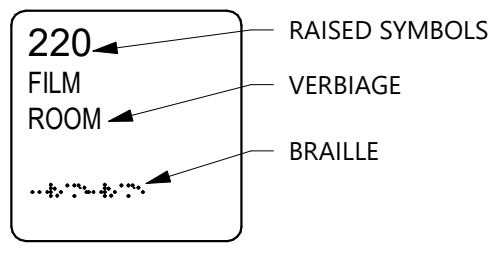
Sign Design Types



ADA-3
TYPE 1



TYPE 2



TYPE 3

Room Sign Notes:

- NEW SIGNAGE PROPOSED NEEDS TO MATCH THE EXISTING
- SIGNAGE TEXT TO BE CONFIRMED DURING SUBMITTAL PHASE.
- ALL OTHER SIGNAGE TO BE OWNER PROVIDED.
- ALL INTERIOR SIGNAGE IS TO BE MOUNTED AT 60" AFF TO TOP OF SIGN.

Room Signage Schedule

#	ROOM NAME	DESIGN
1	WOMEN'S RESTROOM	TYPE 1
2	MEN'S RESTROOM	TYPE 1
3	MEN'S LOCKER ROOM	TYPE 2
4	WOMEN'S LOCKER ROOM	TYPE 2
5	FILM ROOM	TYPE 3
EX	EXISTING SIGN; TO REMAIN	
EX-R	RELOCATED EXISTING SIGN	

General Finish Notes

- PROVIDE 1 LAYER 5/8" TYPE X GYPSUM BOARD AT METAL STUD WALLS, UNLESS OTHERWISE NOTED IN DRAWINGS.
- PROVIDE ZINC TERMINATION STRIP WHERE EPOXY FLOOR FINISH TRANSITIONS TO ANOTHER FLOOR MATERIAL.
- REFER TO REFLECTED CEILING PLANS FOR ALL CEILING HEIGHTS AND METAL STUD WITH GYPSUM BOARD HEADWALLS AND FURR DOWN LOCATIONS.
- UNLESS NOTED OTHERWISE, PAINT WALLS WITHOUT CEILINGS FULL HEIGHT TO UNDERSIDE OF DECK.
- PROVIDE A 48" WIDE STRIP OF 6" THICK UNFACED BATT INSULATION ABOVE CEILINGS ON BOTH SIDES OF WALL SEPARATING ROOM A107 FROM A104 AND ALL 3 INTERIOR WALLS OF ROOM A133
- PROVIDE OUTSIDE CORNER GUARDS AS SPECIFIED ON ALL GYPSUM BOARD OUTSIDE CORNERS UNLESS NOTED OTHERWISE.
- UNLESS NOTED OR SHOWN ON DRAWINGS OTHERWISE, TERMINATE ALL NON-BEARING, NON-RATED PARTITIONS A MINIMUM 6" TO 8" ABOVE HIGHEST ADJACENT CEILINGS.
- UNLESS SHOWN OTHERWISE PROVIDE 4" RUBBER BASE AT ALL MILLWORK TOE SPACES.
- PROVIDE SOLID WOOD BLOCKING IN WALLS FOR MOUNTING MILLWORK.
- REFER TO ELECTRICAL DRAWINGS FOR ALL ELECTRICAL OUTLETS AND SWITCH LOCATIONS. COORDINATE ALL ELECTRICAL OUTLETS AND SWITCHES WITH MILLWORK.
- FLOOR MATERIAL TRANSITIONS AT DOORWAYS SHALL HAPPEN BELOW DOOR LEAF IN CLOSED POSITION.
- REFER TO SPECIALTY PLANS FOR DETAILED FINISH INFORMATION, COLORS, & ACCENT WALLS NOT FOUND IN FINISH SCHEDULE.
- PROVIDE CLEAR CONCRETE SEALER AT ALL EXPOSED CONCRETE FLOORS, BLEACHER TREADS, AND CONCRETE STEPS.
- IN ROOMS SHOWN TO TAPE AND FLOAT GYPSUM BOARD OR NOT TO PAINT CMU, WALLS ARE TO BE CLEANED OF ANY MARKING OR DIRT. ALL GYPSUM BOARD IS TO BE REPAIRED IF DAMAGED.
- ALL HOLLOW METAL DOORS AND FRAMES TO BE PAINTED; PT-12
- PREPARE EXISTING SURFACES FOR NEW FINISHES.

Keyed Finish Notes (KN-1)

- FOR EXISTING EPOXY FLOOR, REPAIR ANY CRACKS AND PREPARE FOR NEW EPOXY INSTALLATION IN EXISTING TRAINER OFFICE
- NEW RUBBER BASE TO MATCH EXISTING

FINISH LEGEND

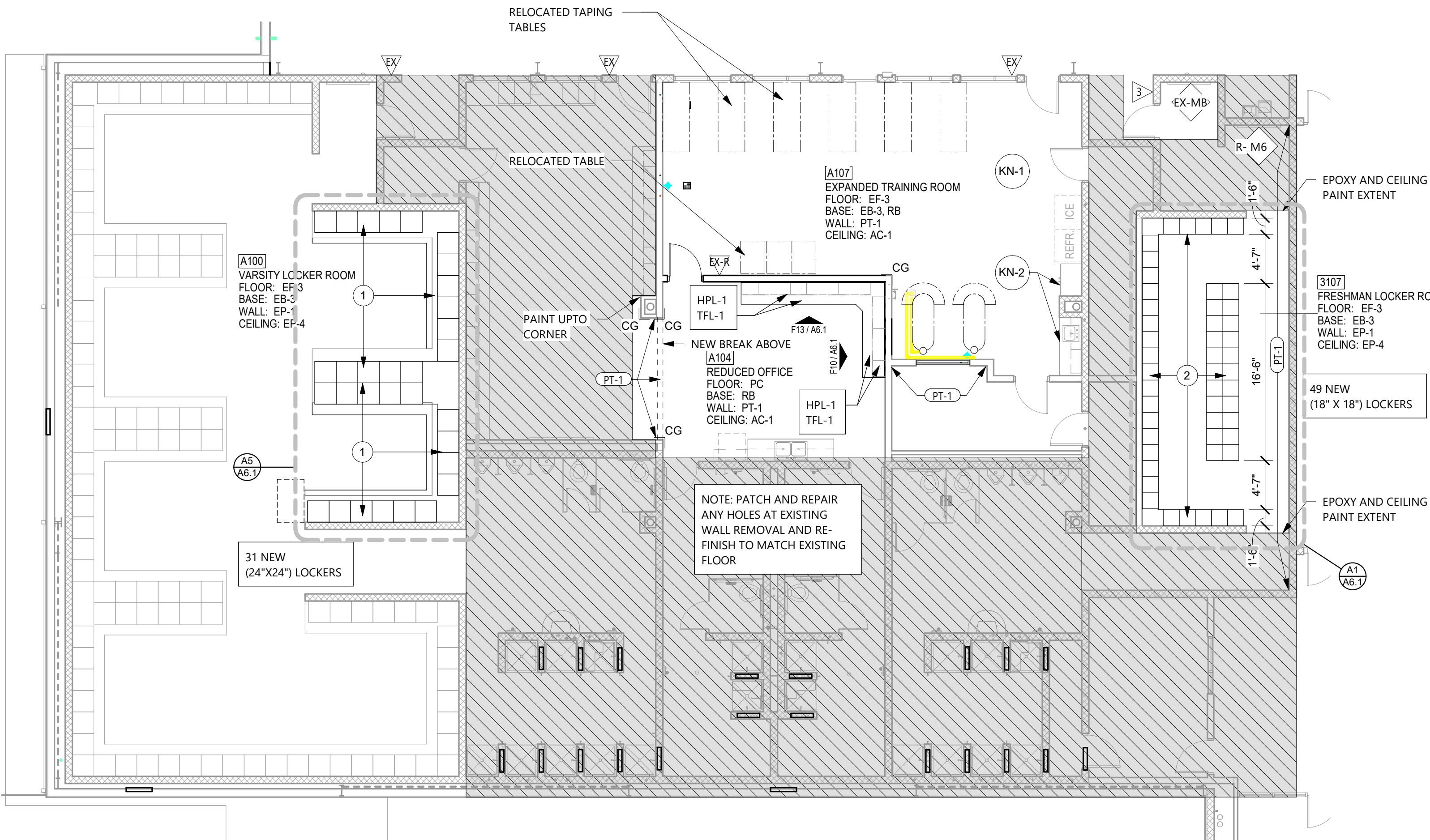
BASE		
RB	RUBBER BASE	JOHNSONITE #20 CHARCOAL
NB	NO BASE	-
EB-3	4" EPOXY BASE	DESCO CREMONA EPOXY BASE TO MATCH EF-3
CEILING		
AC-1	2"x4" ACOUSTICAL CEILING TILE	WHITE SUSPENDED ACOUSTICAL CEILING
EP-4	GYPSUM BOARD	EPOXY PAINTED, SW7049 NUANCE
FLOORS		
EF-3	EPOXY FLOOR	DESCO CREMONA TG-408
SC	SEALED CONCRETE	-
PC	POLISHED CONCRETE	CLEAR
MILLWORK		
TFL-1	MELAMINE CABINET BODY	FLORENCE WALNUT 7993-38
HPL-1	PLASTIC LAMINATE	PIONITE, SUEDE, GOLD PANIN - AT 710
WALLS		
PT-1	PAINT	SW7051 ANALYTICAL GRAY
PT-4	PAINT	SW7049 NUANCE
EP-X	EPOXY PAINT	X REPRESENTS PAINT NUMBER FROM WALL COLOR LISTED ABOVE
PT-12	PAINT	BENJAMIN MOORE 2134-30 IRON MOUNTAIN
TF	GYP. BOARD - TAPE/FLOAT ONLY	

SPECIALTY PLAN LEGEND

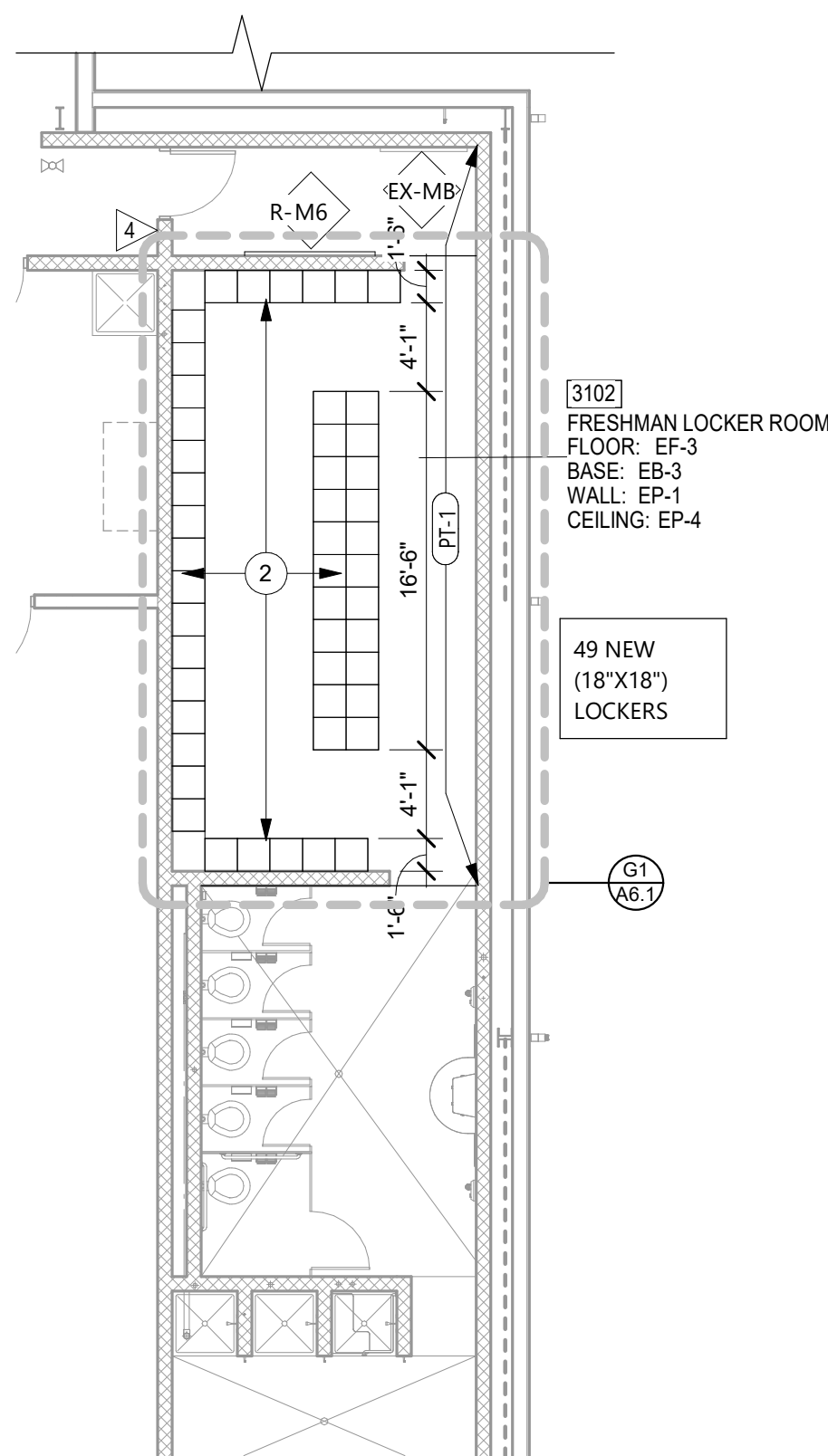
R-MB	RELOCATED 8" MARKER BOARD, RE-2.2
EX-MB	EXISTING MARKER BOARD, TO REMAIN
R-M6	RELOCATED 6" MARKER BOARD, RE-2.2
TV	TV MOUNTING BRACKET; RE-ELEC
CG	CORNER GUARD
1	SIGN TYPE, RE- ROOM SIGNAGE SCHEDULE
EX-BCS	RELOCATED BABY CHANGING STATION
	EXTENTS OF NEW EPOXY FLOOR

LOCKER SCHEDULE

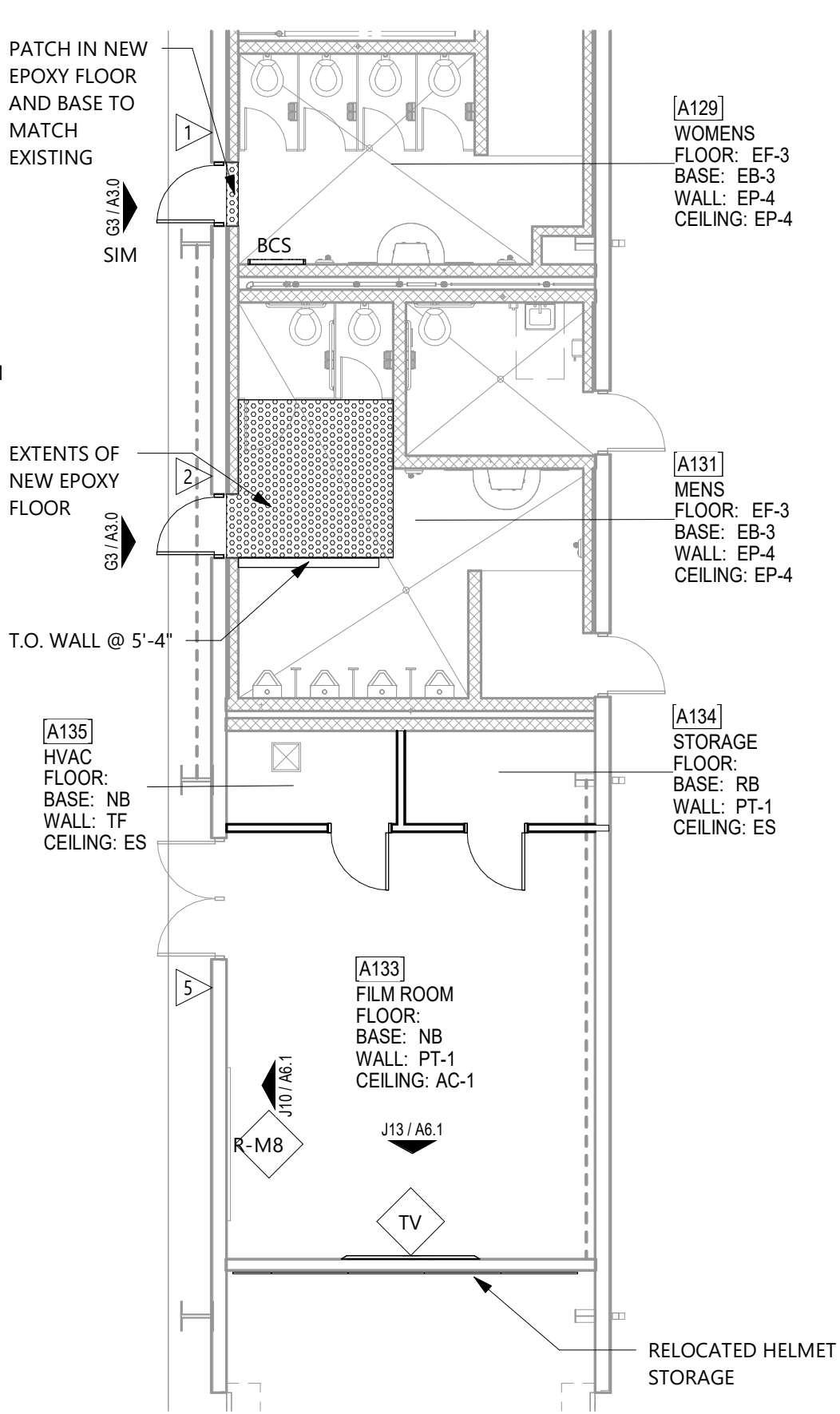
1	24"x24"x60" NEW STADIUM LOCKER (31 TOTAL) (30 TOTAL @ DEDUCTIVE ALTERNATE)
2	18"x18"x72" NEW STADIUM LOCKER (98 TOTAL)



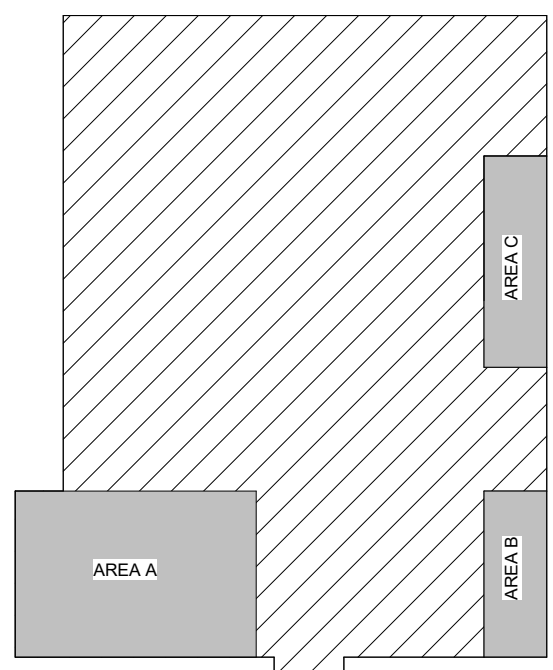
A1 Specialty Floor Plan- Area A
1/8" = 1'-0"



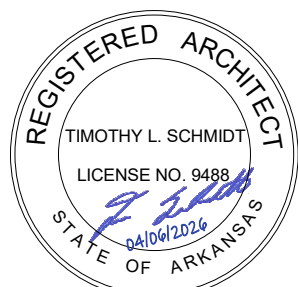
A9 Specialty Floor Plan- Area B
1/8" = 1'-0"
Ref: H2/ A2.3



A12 Specialty Floor Plan- Area C
1/8" = 1'-0"
Ref: H2/ A2.3



KEYPLAN



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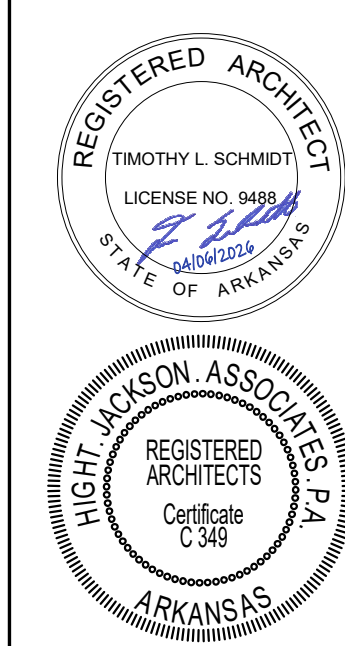
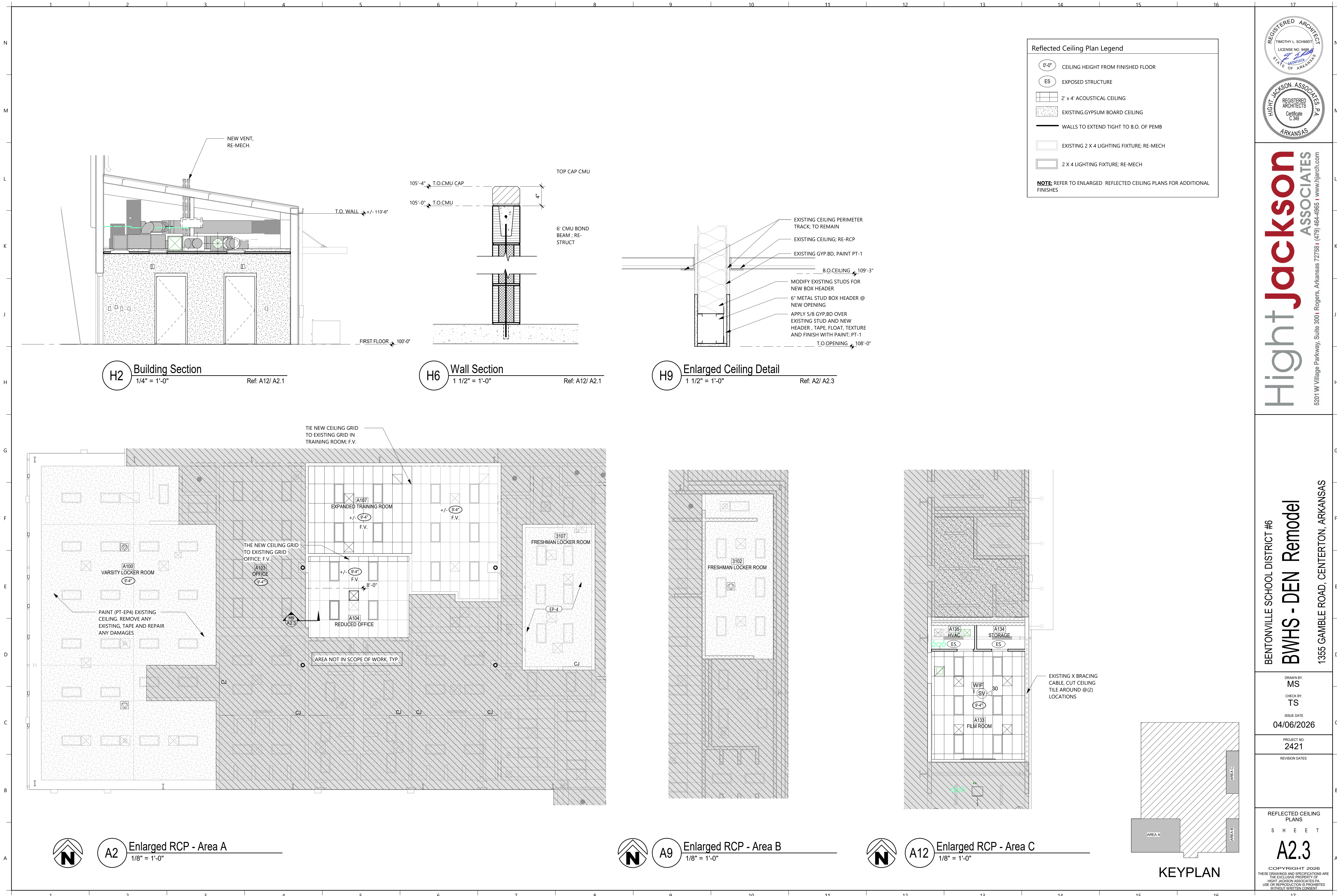
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SPECIALTY FLOOR PLANS

S H E E T

A2.2

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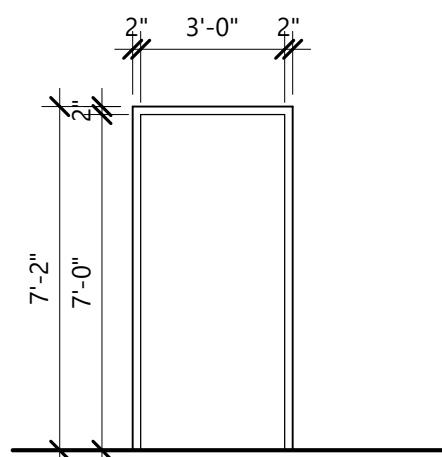


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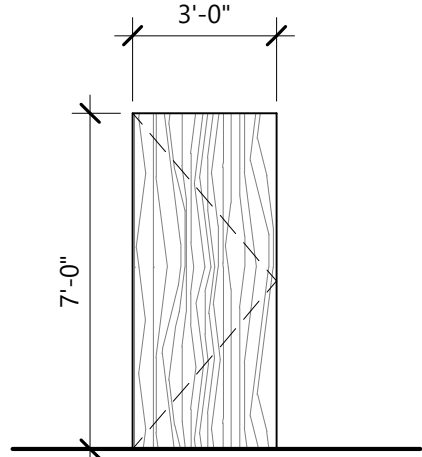
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Door Frame Types



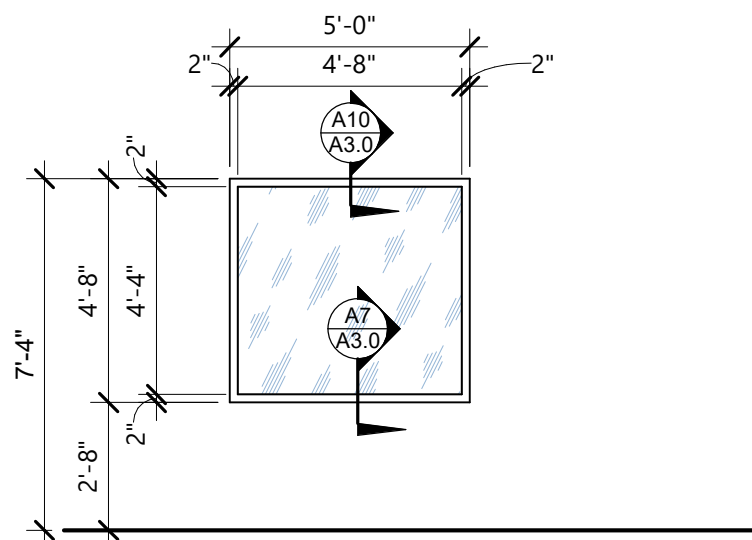
Frame Type 1
HOLLOW METAL FRAME PAINTED

Door Types



Door Type A
FLUSH WOOD DOOR, SOLID
CORE, STAINED
TO MATCH EXISTING

Window Frame Types



(A)
HOLLOW METAL FRAME
PAINTED WITH 1/4" CLEAR
GLASS

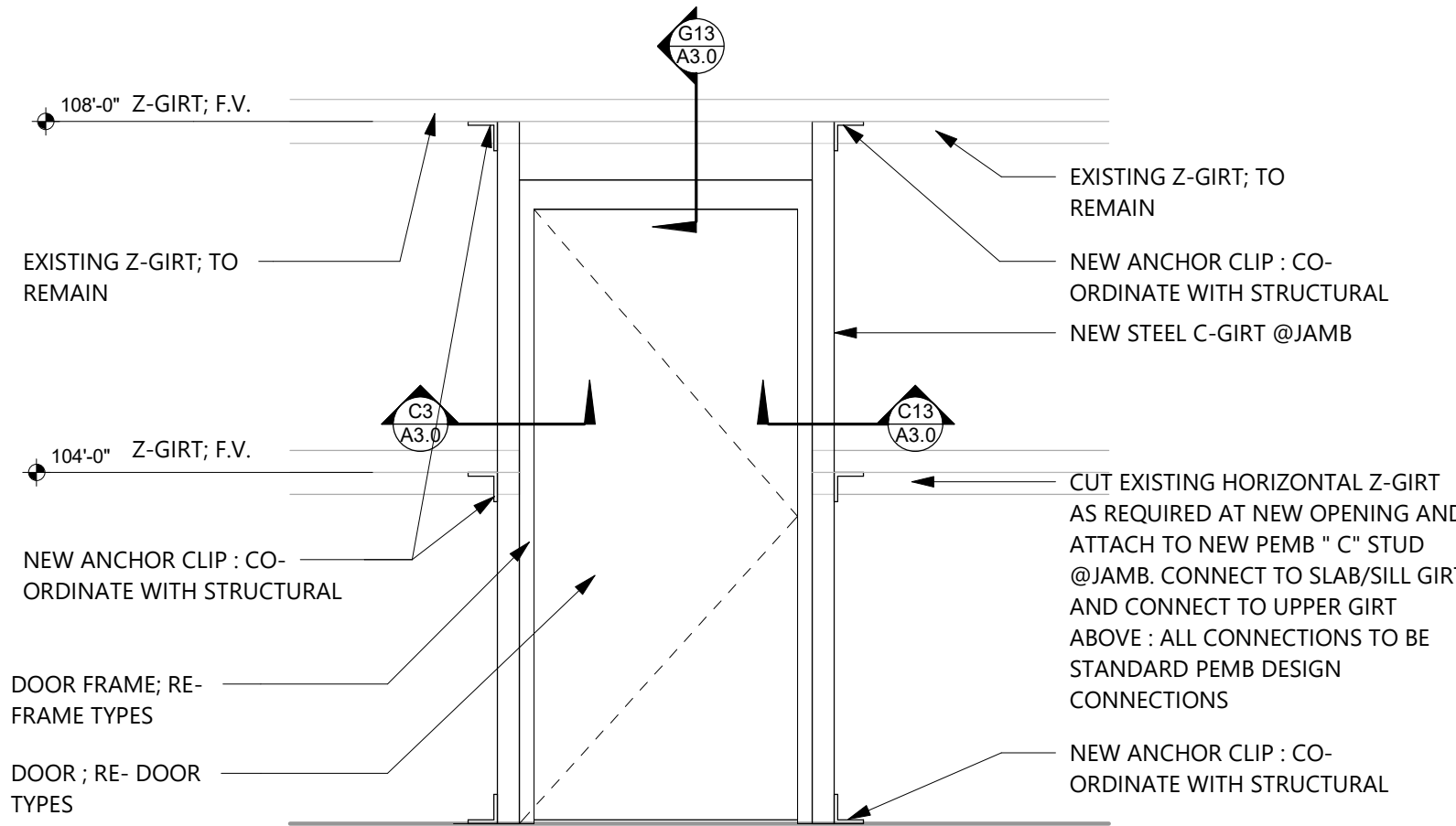
MARK	DETAILS			NOTES
	HEAD	JAMB	SILL	
A104	G7/A3.0	C7/A3.0		ADD ACCESS CONTROL TO HARDWARE SET
A127B				
A127C				ADD ACCESS CONTROL TO HARDWARE SET
A129A	G13/A3.0	C3/A3.0	A13/A3.0	
A131A	G13/A3.0	C13/A3.0	A13/A3.0	
A134	G10/A3.0	C10/A3.0		
A135	G10/A3.0	C10/A3.0		

Keyed General Notes

1. DOOR TO BE CONTROLLED BY ACCESS CONTROL SYSTEM. COORDINATE LOCATION AND INSTALLATION OF JUNCTION BOXES AND CONDUIT WITH THE ELECTRICIAN AND ACCESS CONTROL CONTRACTOR. CONDUIT MUST BE ROUTED FROM ACCESSIBLE POINT ABOVE CEILING TO FRAME JAMB AT WIRE TRANSFER DEVICE LOCATION. REFER TO SPECIFICATION SECTION 08 43 13 ALUMINUM STOREFRONT, DOORS, AND EXTERIOR FIXED UNITS AND SECTION 08 71 00 FINISH DOOR HARDWARE FOR ACCESS CONTROL HARDWARE TO BE PROVIDED AND INSTALLED. REFER TO SPECIFICATION SECTION 28 13 01 AND ELECTRICAL DRAWINGS FOR ACCESS CONTROL SYSTEM COMPONENTS, JUNCTION BOXES, AND CONDUIT. WHERE DOOR IS DOUBLE DOOR, RIGHT DOOR LEAF ONLY TO BE CONTROLLED BY ACCESS CONTROL SYSTEM.

Door General Notes

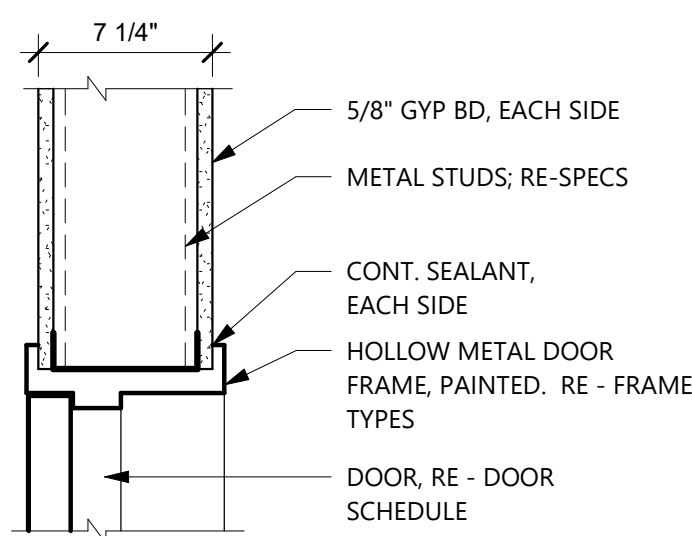
1. PROVIDE BLOCKING IN GYPSUM BOARD AND STUD WALLS TO ATTACH AND SUPPORT ALL WALL MOUNTED HARDWARE.
2. PROVIDE REINFORCING IN HOLLOW METAL AND FRAMES AS REQUIRED TO PROPERLY SECURE HARDWARE. RE--SPECS.
3. PROVIDE SILENCERS FOR ALL HOLLOW METAL DOOR FRAMES UNLESS WEATHER-STRIPPING IS PROVIDED.
4. ANCHOR RECEIVING END OF RECESSED FLUSH BOLT AND SURFACE MOUNTED BOLTS IN EPOXY CONCRETE AT CONCRETE FLOOR.
5. REFER TO DOOR TAGS AND 08 71 00 FOR HARDWARE SETS.
6. DOOR LEAVES ARE STANDARD 3'-0" WIDE, 7'-0" HIGH. REFER TO FLOOR PLAN DIMENSION AND NOTES ON DOOR SCHEDULE FOR EXCEPTIONS.
7. DETAILS DO NOT INDICATE DOOR SWING. REFER TO ARCHITECTURAL FLOOR PLANS FOR DOOR SWING.
8. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF FRAME THROAT DEPTHS WITH WALL THICKNESS PRIOR TO ORDERING.
9. WHERE FLOOR MOUNTED STOPS AND OVERHEAD STOPS ARE USED ON SAME DOOR ALIGN STOPS SO THAT DOOR DOES NOT TWIST WHEN HELD AGAINST STOPS.
10. COORDINATE MOUNTING HEIGHTS OF LATCHES, EXIT DEVICES, AND OTHER HARDWARE ITEMS WITH DOOR LITE DIMENSIONS.
11. CONTINUOUS HINGES ONLY ON ALL EXTERIOR DOORS.
12. ALL DOORS UP TO 3' WIDE LEAFS TO HAVE 1 1/2 PAIR OF HINGES EACH LEAF, UNLESS NOTED OTHERWISE. (DOORS 3'-6" AND WIDER TO HAVE 2 PAIRS OF HINGES UNLESS NOTED OTHERWISE)
13. PROVIDE DRIP CAP AT EXTERIOR DOORS WITHOUT CANOPY COVER.
14. PROVIDE GALVANIZED HOLLOW METAL DOORS AT EXTERIOR LOCATIONS.
15. ALL CLOSERS TO HAVE PARALLEL ARMS, UNLESS NOTED OTHERWISE OR INSTALLATION REQUIRES ALTERNATE ARM TYPE.
16. PROVIDE FIRE GASKET AROUND PERIMETER OF ALL FIRE RATED DOORS IN ACCORDANCE WITH 2006 INTERNATIONAL BUILDING CODE.
17. REFER TO AND VERIFY LINTEL COND. WITH STRUCTURAL LINTEL PLAN.
18. ALL EXTERIOR HOLLOW METAL DOORS TO BE INSULATED.
19. REFER TO SPEC. SECTION 01 21 13 FOR HARDWARE ALLOWANCE.
20. UNLESS OTHERWISE NOTED, ALL INTERIOR DOORS TO HAVE 1 1/2 PAIR HINGES, EACH LEAF AS SPECIFIED.
21. ALL CLOSERS TO HAVE THROUGH-BOLT ATTACHMENT AT DOOR.
22. PROVIDE REQUIRED FIRE RATING FOR ALL DOORS AND FRAMES LOCATED IN FIRE WALLS.



G3 Door Opening Elevation

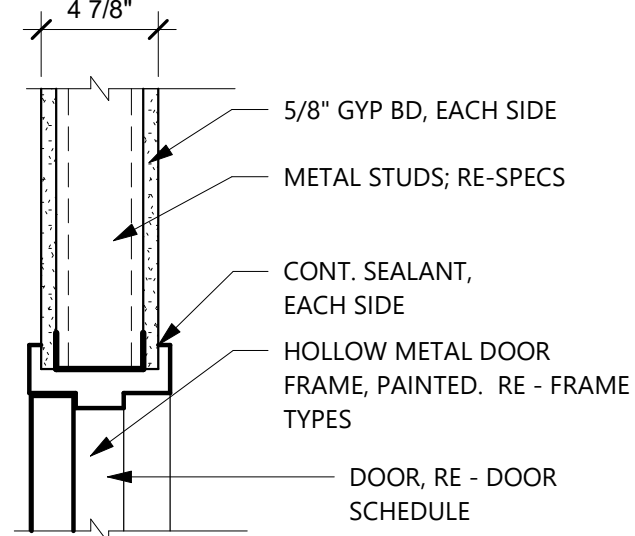
1/2" = 1'-0"

Ref: A12/ A2.2



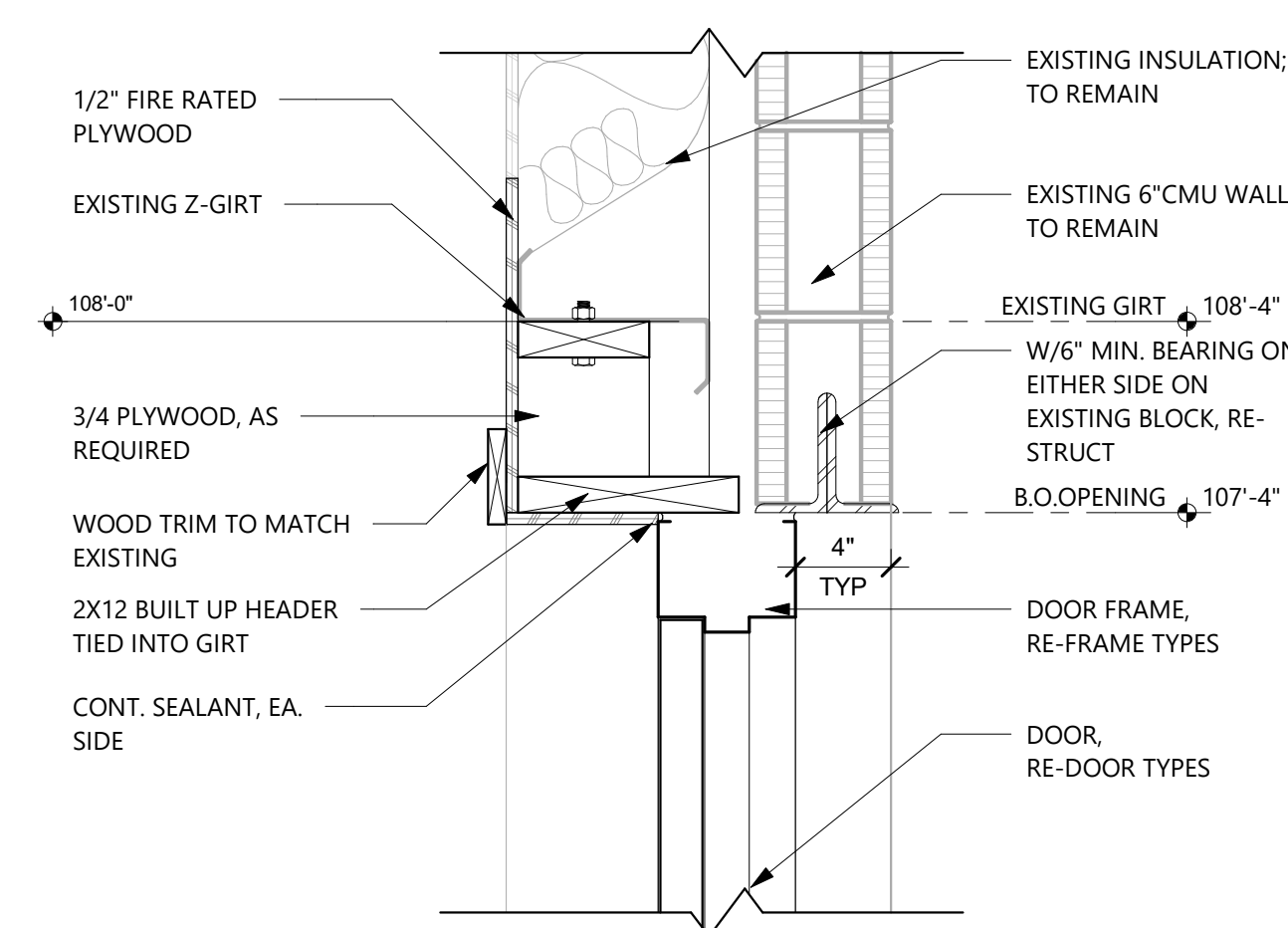
G7 Head Detail

1 1/2" = 1'-0"



G10 Head Detail

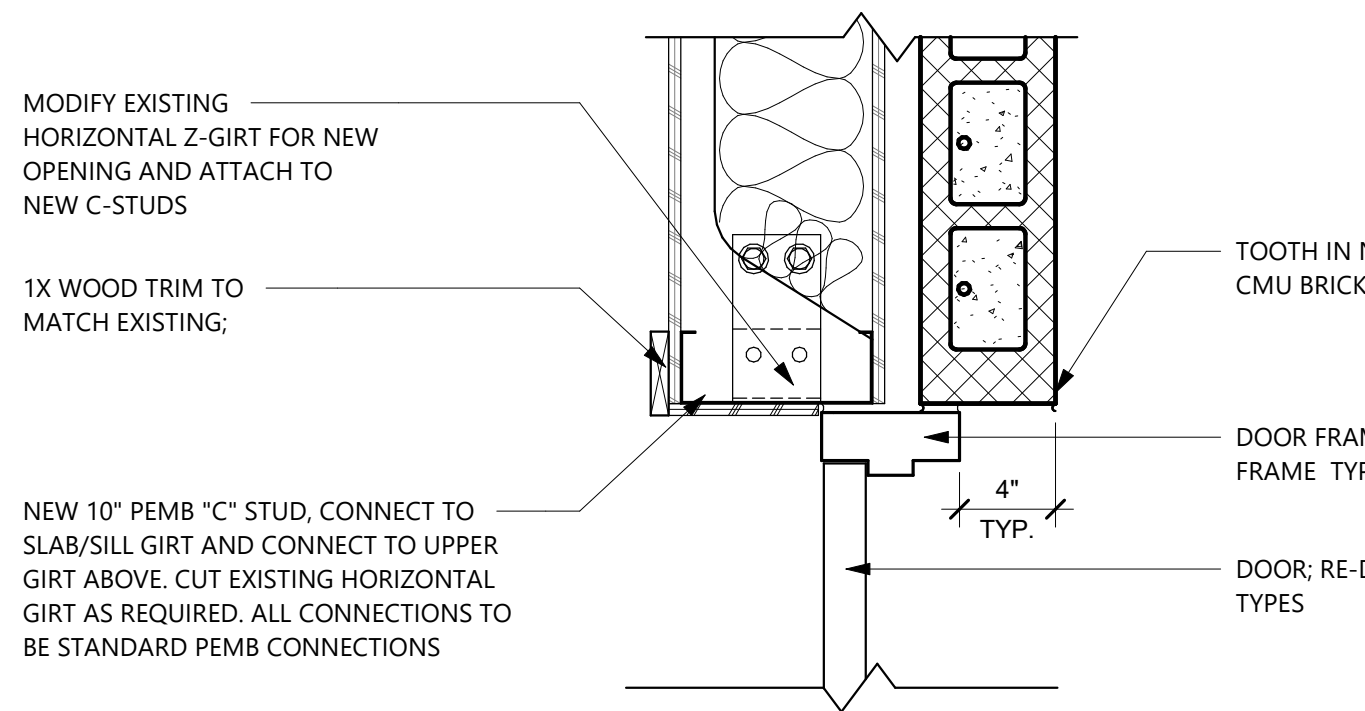
1 1/2" = 1'-0"



G13 Head Detail

1 1/2" = 1'-0"

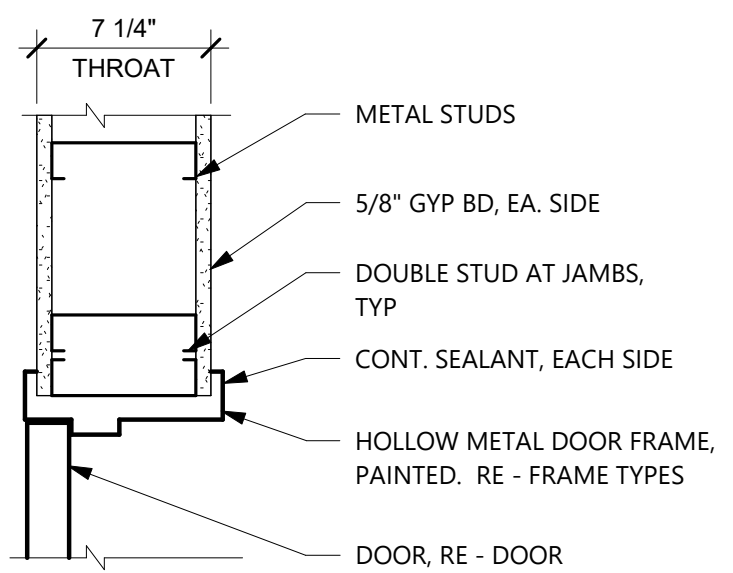
Ref: G3/ A3.0



C3 Jamb Detail

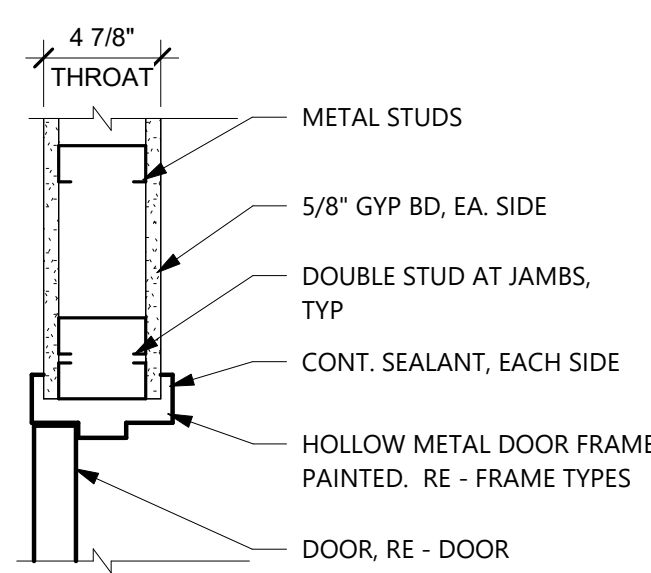
1 1/2" = 1'-0"

Ref: A12/ A2.1



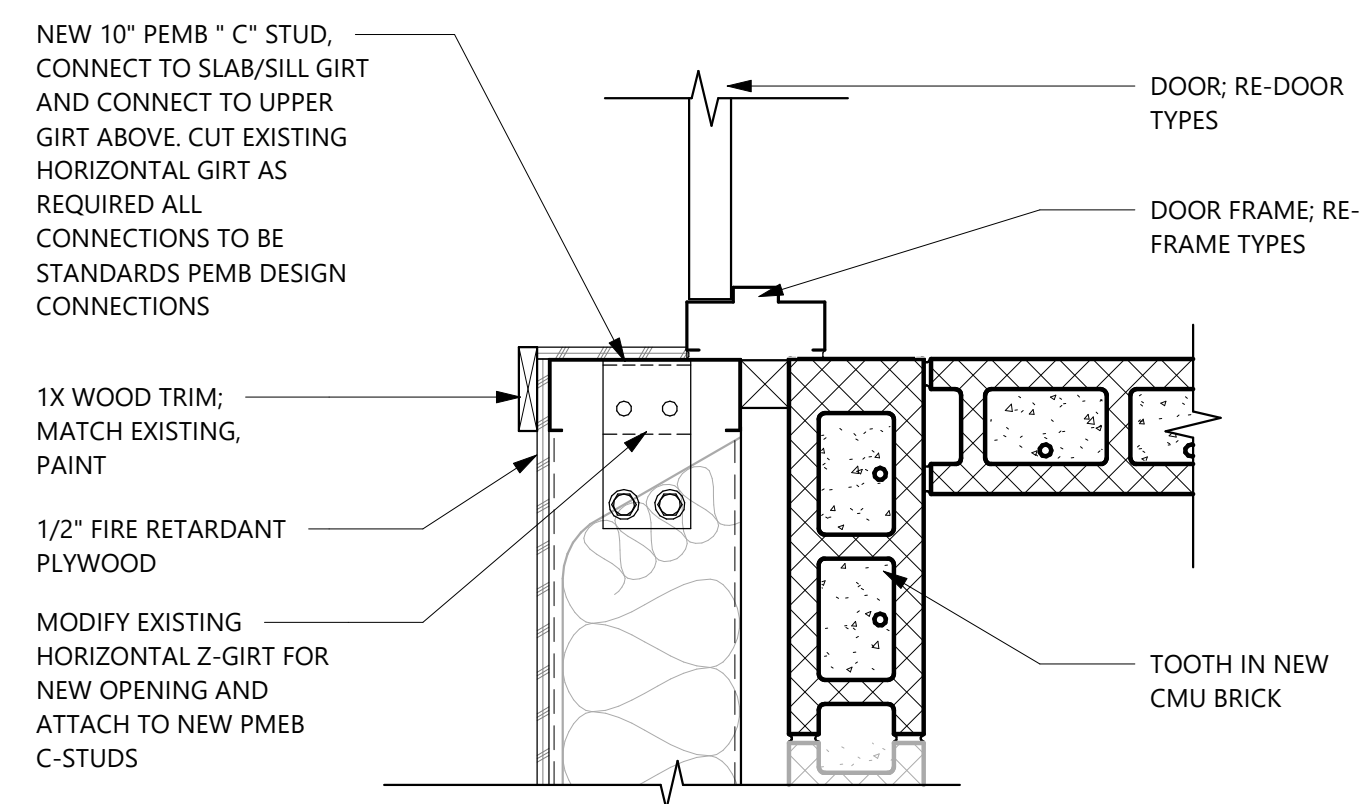
C7 Jamb Detail

1 1/2" = 1'-0"



C10 Jamb Detail

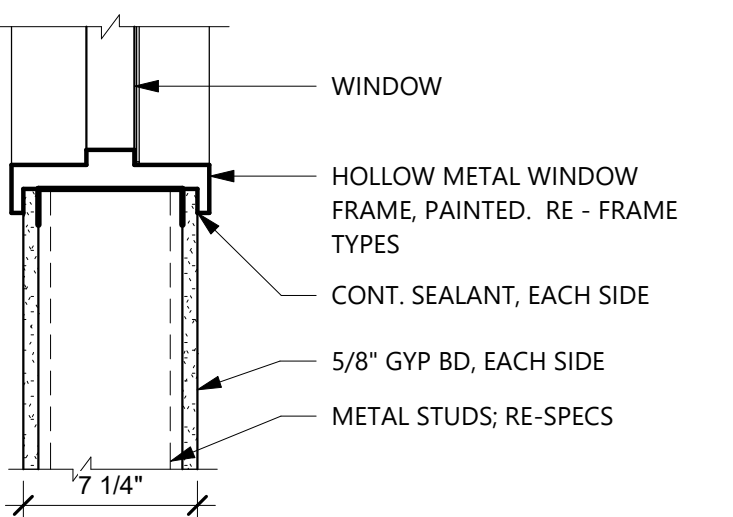
1 1/2" = 1'-0"



C13 Jamb Detail

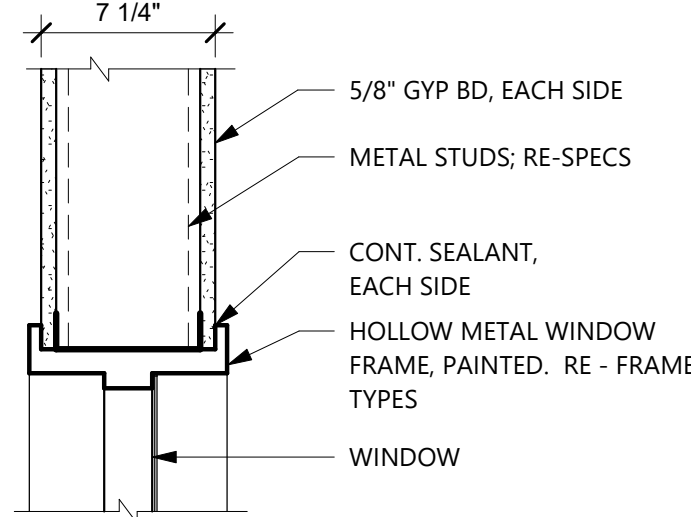
1 1/2" = 1'-0"

Ref: A12/ A2.1



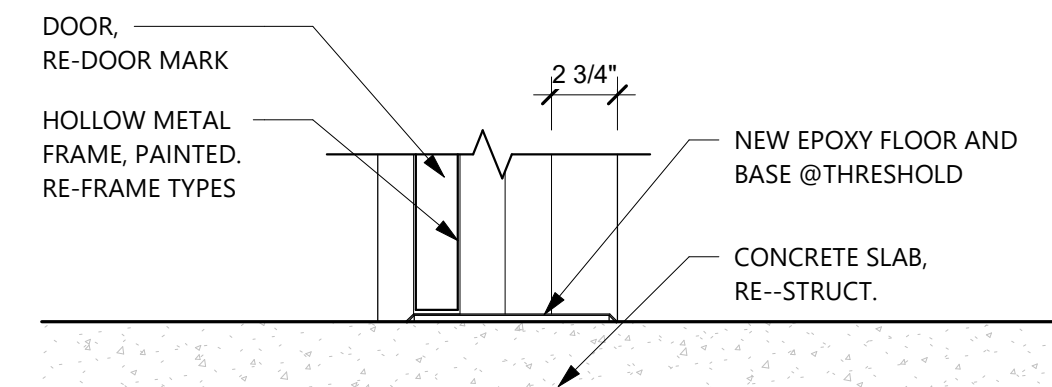
A7 Sill Detail

1 1/2" = 1'-0"



A10 Head Detail

1 1/2" = 1'-0"



A13 Sill Detail

1 1/2" = 1'-0"



Hight Jackson
ASSOCIATES
5201 W Village Parkway, Suite 301 Rogers, Arkansas 72781 (479) 464-4965 | www.hjarch.com

BENTONVILLE SCHOOL DISTRICT #6
BWHS - DEN Remodel
1355 GAMBLE ROAD, CENTERTON, ARKANSAS

DRAWN BY:

MS

CHECK BY:

TS

ISSUE DATE

04/06/2026

PROJECT NO.

2421

REVISION DATES

DOOR SCHEDULE / DOOR /
WINDOW / FRAME
ELEVATIONS / DETAILS
S H E E T

A3.0

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SPECIAL INSPECTIONS			
1.	Special Inspections shall be performed in accordance with Section 1705 of 2021 IBC. An independent testing agency shall be employed to provide Special Inspections during construction on the types of work listed under Section 1705. The following areas of work require Special Inspections in accordance with 2021 IBC.		
2.	Refer to project specification for additional quality control/quality assurance requirements.		
3.	Construction Manager/Contractor shall coordinate any additional Special Inspection requirements with the Owner and applicable building authorities.		
4.	Special Inspections are not the responsibility of the Structural Engineer of Record.		
5.	Special Inspections shall be paid for directly by the Construction Manager.		
6.	Copies of all Special Inspections Reports shall be emailed to the SEOR Andrew Deschenes, P.E., (asd@tswstructural.com) or their designate within seven (7) calendar days of completing the individual inspection(s).		

MASONRY CONSTRUCTION			
(IBC 1705.4)			
PRIOR TO CONSTRUCTION (ARTICLE 1.5, TMS 602-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Review material certificates, mix designs, test results and construction procedures	-----	X	Verify materials conform to requirements of approved construction documents. Mix design, test results, material certificates, and construction procedures submitted for review. Mortar mix designs conform to ASTM C 270; grout conforms to ASTM C 476. Material certificates provided for: reinforcement; anchors, ties, fasteners, and metal accessories; masonry units; mortar and grout materials. Construction procedures for cold-weather or hot-weather construction reviewed. Qualification of field testing personnel, and special inspector reviewed.

AS CONSTRUCTION BEGINS (TABLE 4, TMS 602-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Proportions of site-prepared mortar	-----	X	Verify mortar is type and color specified on construction documents, conforms to ASTM C 270, and is mixed in accordance with Article 2.6 A and Article 2.6 C of TMS 602-16.
Grade, type, and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages	-----	X	Verify reinforcement is placed in accordance with Article 3.4 of TMS 602-16. Prestressing tendons placed per Article 3.6 A.
Sample panel construction	-----	X	Verify sample panel complies with Article 1.6 D of TMS 602-16.

DURING MASONRY CONSTRUCTION (TABLE 4, TMS 602-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Size and location of structural elements	-----	X	Verify locations of structural elements comply with approved plans. Confirm tolerances meet the requirements of Article 3.3 F of TMS 602-16.
Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.	-----	X	Verify anchorages and connections are provided per approved plans, Section 1.2.1(e), 6.1.4.3, and 6.2.1 of TMS 602-16. Continuous inspection required for Risk Category IV buildings.
Welding of reinforcement	X	-----	Verify welded splice has bars butted and welded to develop at least 125% of yield strength of bar in tension or compression. See Section 6.1.8.1.2 of TMS 602-16.
Preparation, construction, and protection of masonry during cold weather (<40°F) or hot weather (>90°F).	-----	X	Verify cold-weather construction performed in accordance with Article 1.8 C of TMS 602-16 and hot weather construction per Article 1.8 D of TMS 602-16.
Observation of preparation of grout specimens, mortar specimens, and/or prisms	-----	X	Confirm specimen/prism preparation performed as required by Article 1.4 of TMS 602-16. Continuous inspection is required for Risk Category IV buildings.
Placement of masonry unit and construction of mortar joints	-----	X	Verify placement in accordance with Article 3.3 B of TMS 602-16.
Materials and procedures with the approved submittals	-----	X	Verify materials and procedures conform to approved submittals. See Article 1.5 of TMS 602-16.

PRIOR TO GROUTING (TABLE 4, TMS 602-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Grout space	-----	X	Verify grout space is free of mortar droppings, debris, loose aggregate, and other deleterious materials and cleanouts are provided per Article 3.2 D and 3.2 F of TMS 602-16. Continuous inspection is required for Risk Category IV buildings.
Placement of reinforcement, connectors, and anchor bolts	-----	X	Verify reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors are installed in accordance with the approved construction documents, Section 6.1, 6.3.1, 6.3.6, and 6.3.7 of TMS 602-16, and Articles 3.2 E, and 3.4 of TMS 602-16. Continuous inspection is required for Risk Category IV buildings.
Proportions of site-prepared grout	-----	X	Verify grout is proportioned per ASTM C 476 and has a slump between 8-11 inches. Self-consolidated grout shall not be proportioned onsite.

MINIMUM TESTING (TABLE 3, TMS 602-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Verification of slump flow and Visual Stability Index (VSI) for self-consolidating grout	-----	X	Compressive strength tests should be performed in accordance with ASTM C 1019; slump flow and VSI performed in accordance with ASTM C 1611.
Verification of fm and fAAC	-----	X	Determine compressive strength for each wythe by "unit strength method" or by the "prism test method" as specified in Article 1.4 B of TMS 602-16 prior to construction. For Risk Category IV buildings this should be verified at every 5,000 sq. ft. of construction.
Verification of proportions of materials in grout and premixed or preblended mortar	-----	X	Verify that proportions for mortar meet ASTM C 270 and proportions for grout meet ASTM C 476. This applies to Risk Category IV buildings only.

TYPICAL STRUCTURAL ABBREVIATIONS					
A.R.	ANCHOR ROD	FDN	FOUNDATION	PED	PEDESTAL
ACI	AMERICAN CONCRETE INSTITUTE	FIN	FINISH	PL	PLATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FLR	FLOOR	PLF	POUNDS PER FOOT
ARCH	ARCHITECT	FTG	FOOTING	PROJ	PROJECTION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GA	GAUGE	PSF	POUNDS PER SQUARE FOOT
BLDG	BUILDING	GALV	GALVANIZED	PSI	POUNDS PER SQUARE INCH
BM	BEAM	H.S.A.	HEADED STUD ANCHOR	R	RADIUS
BOTT	BOTTOM	HK	HOOK	REINF	REINFORCEMENT
BRG	BEARING	HORIZ	HORIZONTAL	REQ'D	REQUIRED
BTWN	BETWEEN	J.B.E.	JOIST BEARING ELEVATION	RTU	ROOF TOP UNIT
CFS	COLD-FORMED STEEL	JST	JOIST	S.O.G.	SLAB ON GRADE
CL	CENTER LINE	JT	JOINT	SCHED	SCHEDULE
CLR	CLEAR	LDH	LONG DIMENSION HORIZONTAL	SECT	SECTION
COL.	COLUMN	LDV	LONG DIMENSION VERTICAL	SEOR	STRUCTURAL ENGINEER OF RECORD
CONC	CONCRETE	LG	LONG	SIM	SIMILAR
CONN	CONNECTION	LLG	LONG LENGTH	SJI	STEEL JOIST INSTITUTE
CONT	CONTINUOUS	LLH	LONG LENGTH HORIZONTAL	SPA	SPACING
DEFL.	DEFLECTION	LLV	LONG LENGTH VERTICAL	SPECS	SPECIFICATIONS
DIA. or Ø	DIAMETER	LONG	LONGITUDINAL	STD	STANDARD
DIM	DIMENSION	MAX	MAXIMUM	STIFF	STIFFENER
DN	DOWN	MBM	METAL BUILDING MANUFACTURER	STL	STEEL
do	DITTO	MECH	MECHANICAL	TOT	TOP OF CONCRETE
DTL	DETAIL	MFR	MANUFACTURER	TOF	TOP OF FOOTING
DWG	DRAWING	MIN	MINIMUM	TOS	TOP OF STEEL
E.F.	EACH FACE	MISC	MANUFACTURER	TOTB	TOP OF TIE BEAM
E.W.	EACH WAY	MTL	MINIMUM	TOW	TOP OF WALL
EA	EACH	N.S.	MISCELLANEOUS	TRANS	TRANSVERSE
EL	ELEVATION	O.C.	METAL	TYP	TYPICAL
EQ	EQUAL	O.N.	NEAR SIDE	U.N.O.	UNLESS NOTED OTHERWISE
EXIST	EXISTING	OPNG	ON CENTER	VERT	VERTICAL
EXP	EXPANSION	P.A.F.	OUTSIDE FACE	WI	WITH
F.S.	FAR SIDE		OPENING	WP	WORK POINT
F.V.	FIELD VERIFY		POWDERED ACTUATED FASTENER	WWF	WELDED WIRE FABRIC

STRUCTURAL STEEL			
(IBC 1705.2.1, 1705.13.1 & 1705.14.1)			
PRIOR TO WELDING (TABLE N5.4-1, AISC 360-16; TABLE J6-1, AISC 341-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Verify welding procedures (WPS) and manufacturer certifications for welding consumable available	X	-----	-----
Verify type and grade of material.	-----	X	For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Welder identification	-----	X	A system shall be maintained by which a welder who has welded a joint or member can be identified. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Fit-up groove welds	-----	X	Verify joint preparation, dimensions, cleanliness, tacking, and backing. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Access holes	-----	X	Verify configuration and finish. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Fit-up of fillet welds	-----	X	Verify dimensions, cleanliness, and tacking. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Check welding equipment	-----	X	-----
Welder qualification records and continuity records	-----	X	-----
Fit-up CJP groove welds for HSS T-, Y-, and K-joints without backing (including joint geometry)	-----	X	Verify joint preparation, dimension (alignment, root opening, roof face, bevel), cleanliness, and tacking (tack weld quality and location).

DURING WELDING (TABLE N5.4-2, AISC 360-16; TABLE J6-2, AISC 341-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Control and handling of welding consumables	-----	X	Verify packaging and exposure control. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Cracked tack welds	-----	X	Verify welding does not occur over cracked tack welds. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Environmental conditions	-----	X	Verify wind speed within limits, precipitation and temperature. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
WPS followed	-----	X	Verify settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Welding techniques	-----	X	Verify interpass and final cleaning, each pass within profile limitations, and quality of each pass. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Steel headed stud anchors	-----	X	Verify placement and installation.

AFTER WELDING (TABLE N5.4-3, AISC 360-16; TABLE J6-3, AISC 341-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Welds cleaned	-----	X	Verify welds properly cleaned. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-16 Section J5.1.
Size, length, and location of welds	X	-----	-----
Welds meet visual acceptance criteria	X	-----	Verify crack prohibition, weld/base metal fusion, crater cross section, weld profiles, weld size, undercut, and porosity meet visual acceptance criteria.
Arc strikes	X	-----	-----
k-area	X	-----	-----
Backing & weld tabs removed and finished, and fillet welds added (if required)	X	-----	-----
Repair activities	X	-----	-----
Document acceptance or rejection of welded joint/member	X	-----	-----
Placement of reinforcing or contouring fillet welds	X	-----	Only required in components of seismic force resisting system.
Weld access holes	-----	X	After rolled heavy shapes are welded, visually inspect the weld access hole for cracks.
Prohibited welds	X	-----	Verify no prohibited welds have been added without approval of the EOR.

CONCRETE CONSTRUCTION			
(IBC 1705.3; TABLES J9-2 & J9-3, AISC 341-16)			
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Reinforcing steel, including prestressing tendons	-----	X	Verify, prior to placing concrete, reinforcing is of specified type, grade and size; free of oil, dirt and rust; located and spaced properly; hooks, bends, ties, stirrups and supplemental reinforcement placed correctly; lap lengths, stagger and offsets provided; and all mechanical connections installed per the manufacturer's instructions and/or evaluation report.
Cast-in anchors	-----	X	Verify anchor installation complies with ACI 318: 17.8.2.
Post-installed anchors	-----	X	All post-installed anchors shall be specially inspected as required by the approved ICC-ES report. Anchors installed horizontally or in upwardly inclined orientations to resist tension loads require continuous inspection per ACI 318:17.8.2.4. Verify all other mechanical and adhesive anchors comply with ACI 318: 17.8.2.
Use of required mix design	-----	X	Verify mixes comply with the approved construction documents; ACI 318: Ch. 19, 26.4.3, 26.4.4 and IBC 1904.1, 1904.2.
Concrete sampling for strength tests, slump, air content, and temperature	X	-----	Verify sampling in accordance with ASTM C172 and ASTM C31. See ACI 318: 26.12 for evaluation and acceptance of concrete. See ACI 318: 26.5 for mixing requirements of concrete.
Concrete & shotcrete placement	X	-----	Verify proper application techniques. See ACI 318: 26.5.
Curing temperature and techniques	-----	X	Verify concrete surface temperature (other than high-early-strength) is kept >50°F in moist condition for at least 7 days after placement unless accelerated curing is used. High-early-strength concrete shall be kept >50°F in moist condition for at least 3 days unless accelerated curing is used. Verify compliance with cold weather requirements in ACI 318: 26.5.4 or hot weather requirements in ACI 318: 26.5.5, whichever is applicable.
Strength verification	-----	X	Verify adequate strength has been achieved prior to the removal of shores and forms or the stressing of post-tensioned tendons. See ACI 318: 26.11.2.
Formwork	-----	X	Verify forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents. See ACI 318: 26.11.1,2.
Limits on water added at the truck or pump	-----	X	Verify during concrete placement. Applicable to composite construction in seismic force resisting system components. Perform on a random daily basis per AISC 341-16 Section J5.1. See Table J9-2, AISC 341-16.
Proper placement techniques to limit segregation	-----	X	Verify during concrete placement. Applicable to composite construction in seismic force resisting system components. Perform on a random daily basis per AISC 341-16 Section J5.1. See Table J9-2, AISC 341-16.

Concrete General Notes 3100:

- All detailing, fabrication and placing of reinforcing steel shall conform to the ACI Standard "Details and Detailing of Concrete Reinforcement" (ACI 315).
- All concrete shall typically develop a 28-day minimum compressive strength of 3,000 psi.
- All concrete shall have a 5" maximum slump.
- All reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
- All reinforcing bar splices shall be 44 bar diameters for #6 and smaller diameter bars. Reinforcing bar splices shall be 48 bar diameters for #7 and larger bar diameters.
- All reinforcing bar hooks shall be ACI standard 90 degree hook, unless noted otherwise.
- Provide corner bars in slabs same size and spacing as longitudinal reinforcing.
- Bar supports shall be factory made wire bar supports, type "SBU" linear supports.
- Epoxy for doweling reinforcement shall be HY-200 by Hilti, AT 3G by Simpson Strong-Tie or AC208+ by Dewart, unless noted otherwise.

Concrete Masonry General Notes 4100:

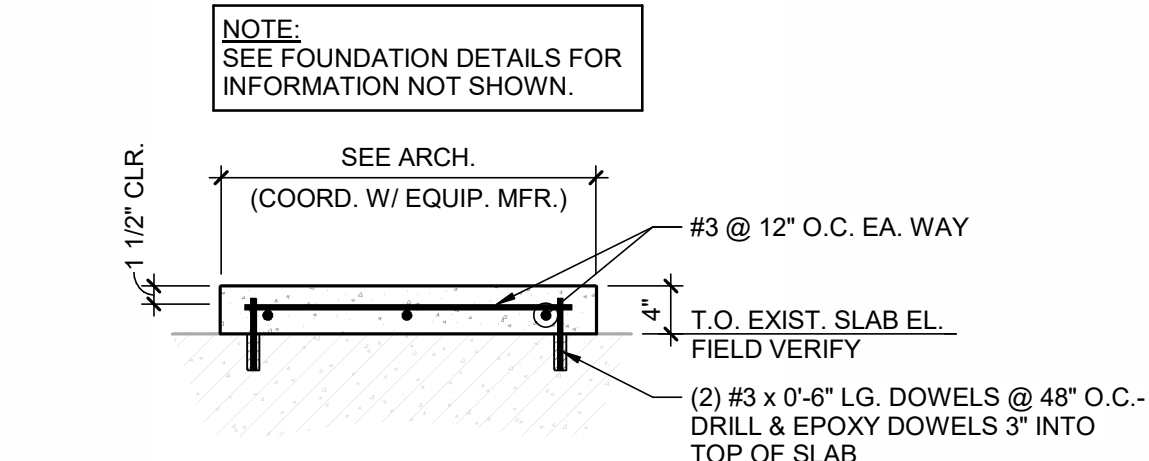
- All concrete masonry units shall be lightweight. All hollow concrete masonry units shall conform to ASTM C90, Grade N, Type 1 with a minimum ultimate compressive prism strength (Fm) of 2,000 psi for the masonry assemblage. All concrete masonry shall be laid in Running (Common) Bond.
- Mortar shall be Type N mortar and have a minimum compressive strength of 750 psi. All mortar shall conform to ASTM C270. **Masonry cement shall not be used for mortar.**
- All grout shall be ready-mix concrete, with 3/8" diameter max. aggregate, have a minimum 28-day compressive strength of 2,000 psi and a design slump between 8" to 10" or preblended product (Core Fill Grout, Coarse CF-02, by Spec Mix) with a minimum 28-day compressive strength of 2,000 psi and a design slump between 8" to 10".
- All 6" CMU bond beam units shall be reinforced with one bar. Provide corner bars and lap bond beam reinforcing 48 bar diameters.
- All reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
- All bolts, anchors, reinforcement and embedded items shall be grouted in place.
- All reinforcing bar splices shall be 48 bar diameters, U.N.O.
- Provide horizontal joint reinforcement at 16" o.c. Reinforcement shall be ladder design, min. 9 gage welded steel wire, hot dipped galvanized to 1.5 oz. width shall be 1 1/2" less than wall thickness.

Structural Steel General Notes 5100:

- All detailing, fabrication and erection of structural steel shall conform to the requirements of the AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings.
- All structural steel shall conform to the requirements of ASTM A36.
- All welding shall conform to the Specifications of the American Welding Society. Welding electrodes shall be E-70 low hydrogen series. Welding shall be done by a certified welder.
- Bearing ends of all jambs shall be square cut.
- No openings shall be cut in structural members unless shown on the drawings.
- All exposed edges of plates, beams, etc., shall be shop ground smooth and uniform.

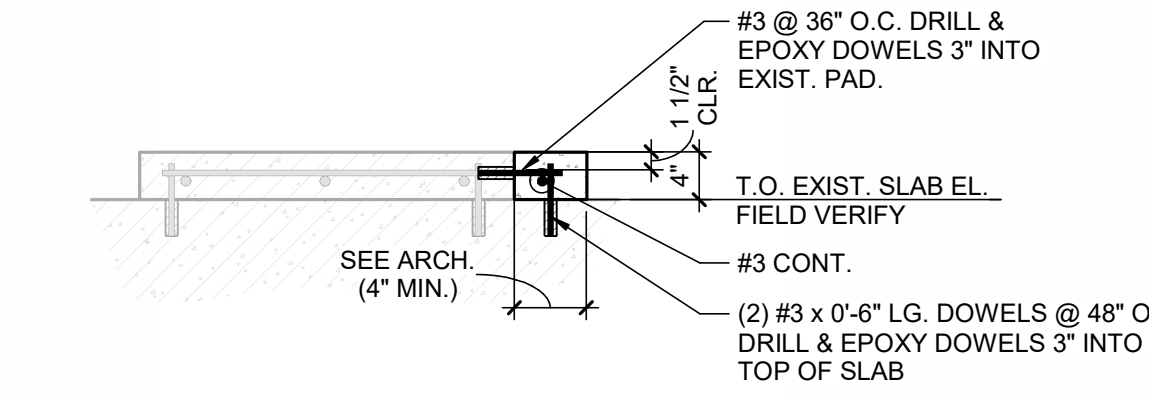
Design Loads

- Typical Existing Roof Dead Load: 20 psf
- Existing Roof Live Load: 20 psf
- Rain Intensity, (15 min. j): 6.46 in/hr
- Ground Snow Load: 15 psf
- Wind Load:
 - Ultimate Design Wind Speed (V_{ult}): 115 mph
 - Nominal Design Wind Speed (V_{nom}): 89.1 mph
 - Risk Category III
 - Wind Exposure C
 - Internal Pressure Coefficient, GC_{pi} = ±0.18
- Components & Cladding Wind Load (Unfactored):
 - Width of Edge Zone, a = 15.1 ft
 - Wall Pressures (10 ft²)
 - End Zone Wall = 40.7 psf
 - Interior Zone = 33.0 psf
 - Wall Pressures (100 ft²)
 - End Zone Wall = 31.7 psf
 - Interior Zone = 28.5 psf
 - Roof Pressures (10 ft²)
 - Corner Zone = 78.5 psf
 - Eave & Rake Zone = 50.3 psf
 - Interior Zone = 36.1 psf
 - Roof Pressures (100 ft²)
 - Corner Zone = 50.3 psf
 - Eave & Rake Zone = 47.4 psf
 - Interior Zone = 36.1 psf
- Seismic:
 - Risk Category II
 - Seismic Importance Factor (I_s) = 1.0
 - S_s = 0.148
 - S₁ = 0.087
 - S_{0s} = 0.158
 - S_{0i} = 0.140
 - Site Class D (per Geotechnical Report)
 - Seismic Design Category C
- Building Code:
 - 2021 Arkansas Fire Prevention Code, Volume II - Adopted 2021 International Building Code
 - ASCE 7-16



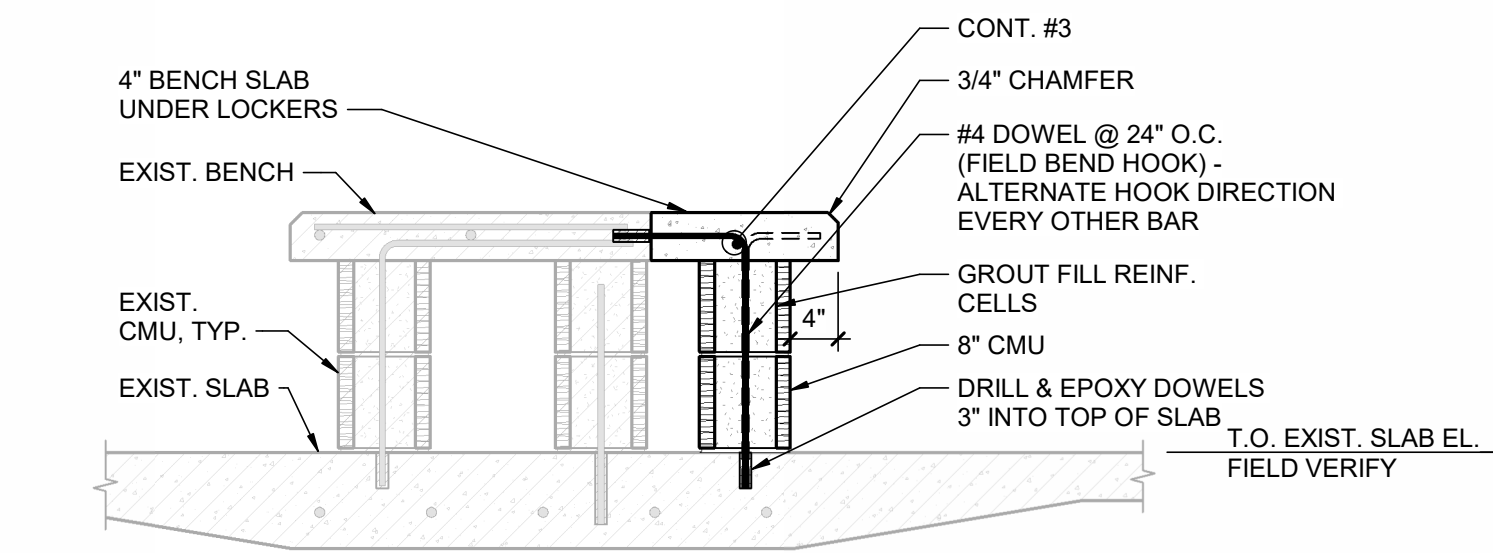
TYP. LOCKER PAD FOUNDATION

1 NOT TO SCALE



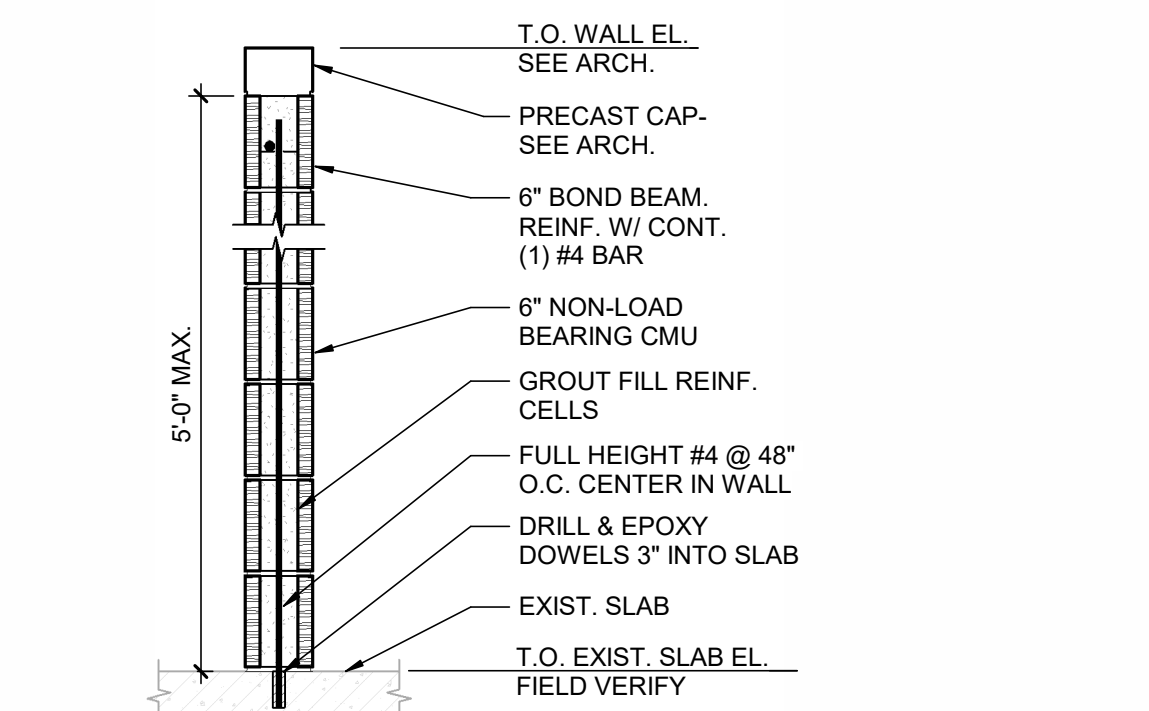
TYP. EXIST. LOCKER PAD FOUNDATION EXPANSION

2 NOT TO SCALE



TYP. EXIST. LOCKER ROOM BENCH FOUNDATION EXPANSION

3 NOT TO SCALE



TYP. INTR. 6" CMU WALL

4 NOT TO SCALE



STRUCTURAL ENGINEERS
(479) 621-6128 ROGERS, ARKANSAS
TSW #: 26004 PM: ASD DE: BWA



Hight Jackson ASSOCIATES
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BENTONVILLE SCHOOL DISTRICT #6
BWHS - DEN Remodel
1355 GAMBLE ROAD, CENTERTON, ARKANSAS

DRAWN BY:
ASD
CHECK BY:
ASD
ISSUE DATE:
04/06/2026
PROJECT NO:
2421
REVISION DATES
REQUIRED IBC SPECIAL INSPECTIONS
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1 MASONRY & LOCKER PLAN AREAS

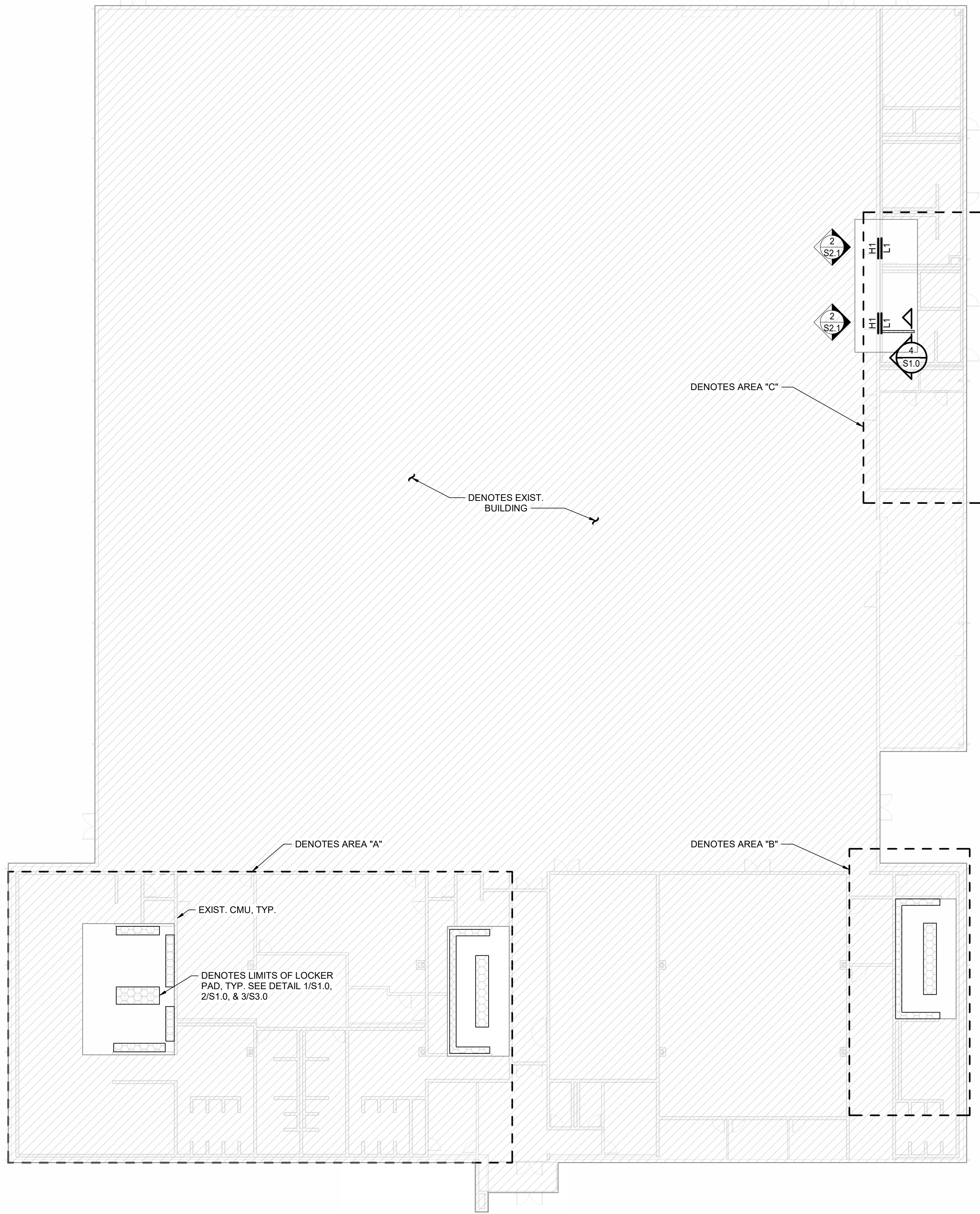
1/16" = 1'-0"

PLAN NOTES:

- SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.
- COORDINATE DOOR LOCATIONS WITH ARCH. DWGS.
- SEE ARCH. DWGS. FOR LOCATIONS OF NON-LOAD-BEARING CMU.
- SEE DWGS. S1.0 FOR GENERAL NOTES & TYP. DETAILS.

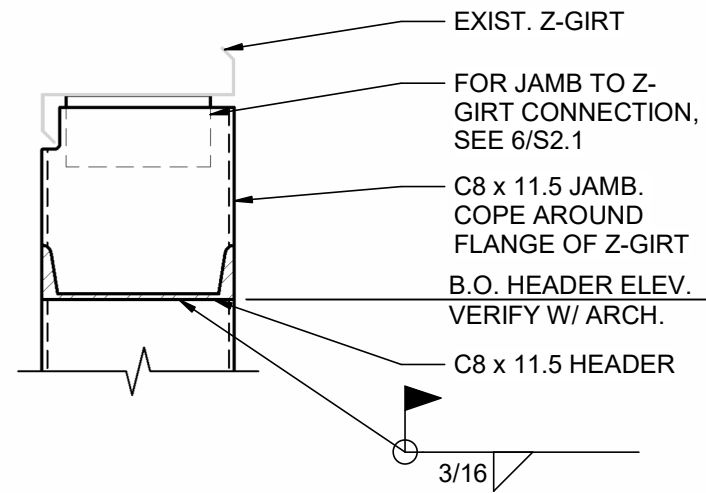
LEGEND:

- L1** DENOTES BACK-TO-BACK (2) L3 x 2 1/2 x 3/8 (LLV) ANGLE. SEE DETAIL 7/S2.1 & 8/S2.1
- H1** DENOTES C8 x 11.5 HEADER. SEE ELEVATION 2/S2.1
- DENOTES NEW CMU WALL
- DENOTES EXIST. CMU WALL
- DENOTES LIMITS OF LOCKER PAD. SEE DETAIL 1/S1.0, 2/S1.0, & 3/S3.0
- DENOTES PARTIAL ELEVATION ON CORRESPONDING DWG. (SOLID HATCH DENOTES DIRECTIONAL VIEW)



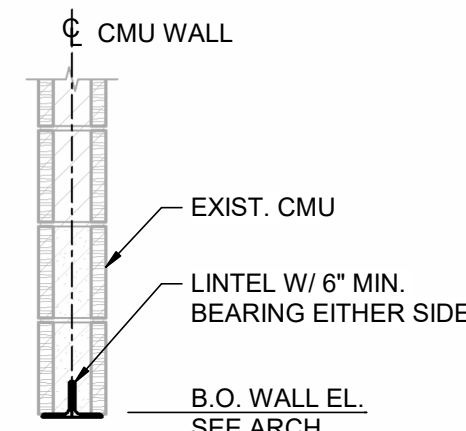
2 PARTIAL ELEVATION

3/4" = 1'-0"



5 SECTION

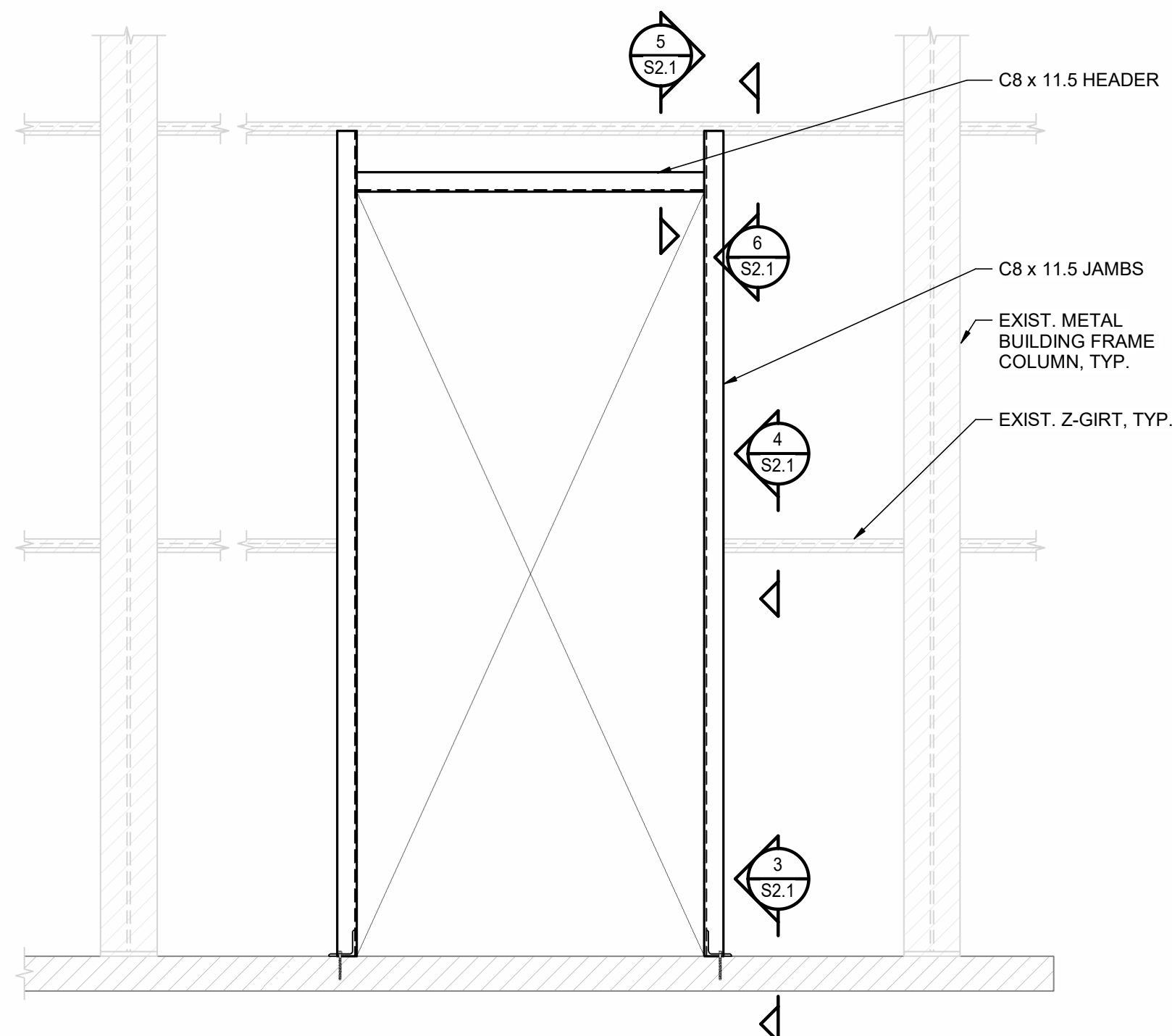
1 1/2" = 1'-0"



6" CMU

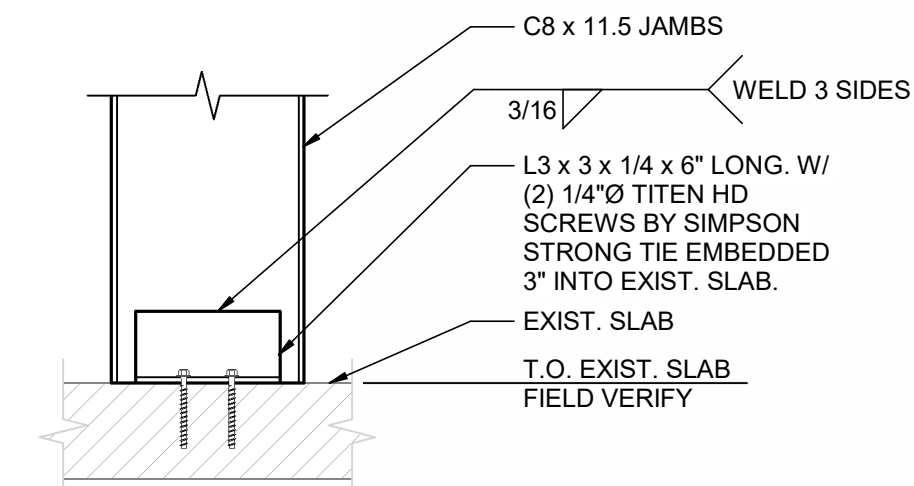
7 TYP. LINTEL IN EXIST. 6" CMU

NOT TO SCALE



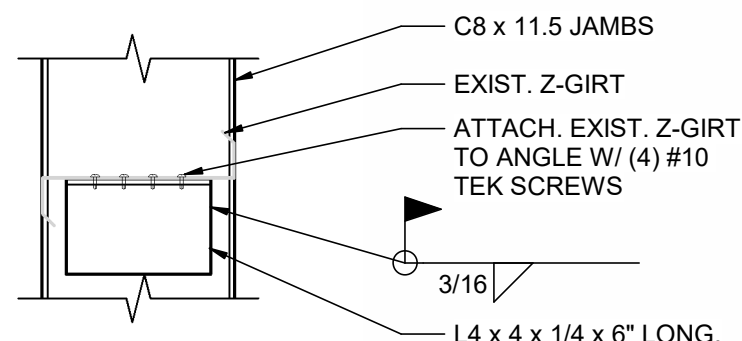
3 SECTION

1 1/2" = 1'-0"



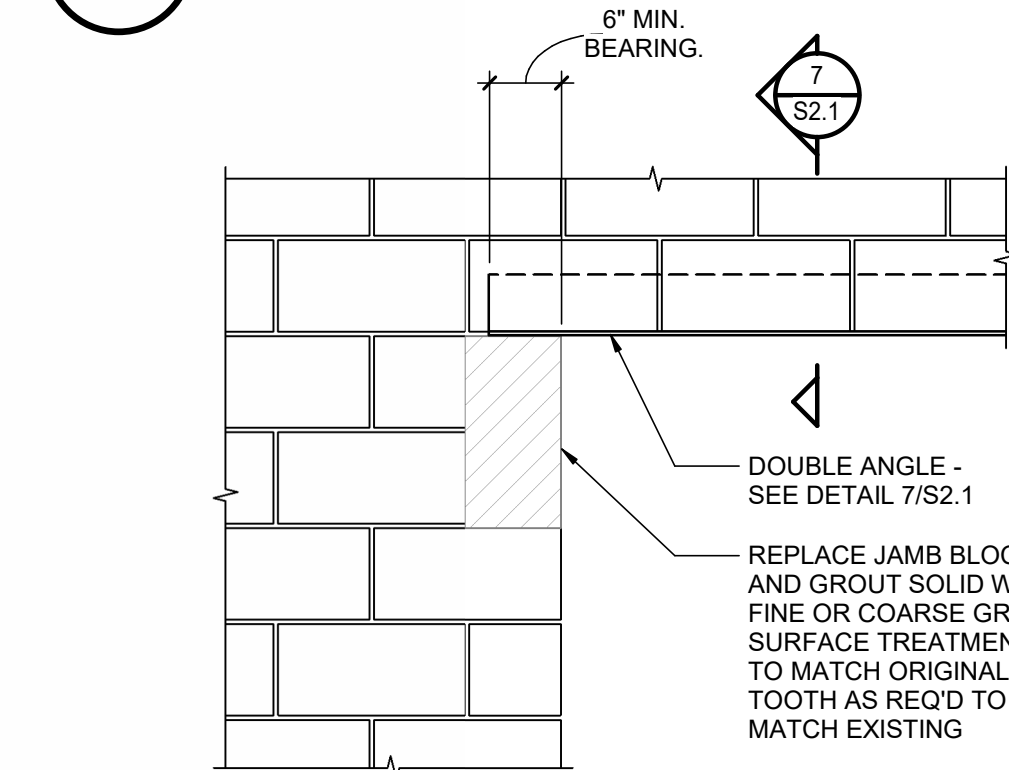
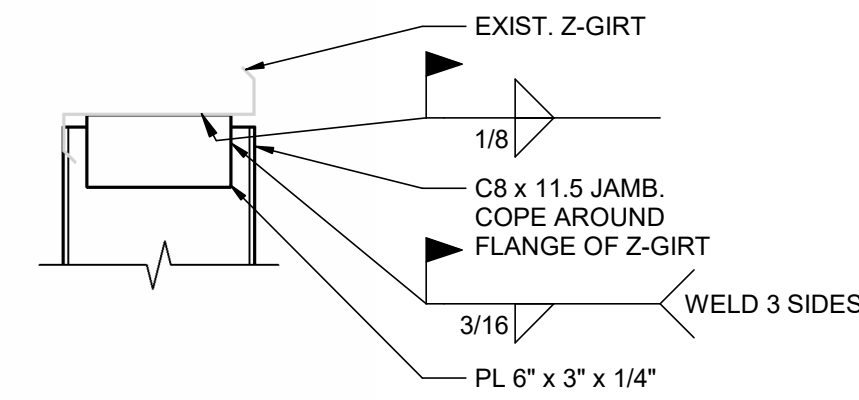
4 SECTION

1 1/2" = 1'-0"



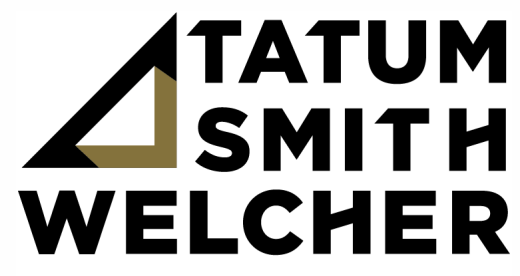
6 SECTION

1 1/2" = 1'-0"



8 TYP. LINTEL IN EXIST. 6" CMU ELEVATION

NOT TO SCALE



STRUCTURAL ENGINEERS
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BENTONVILLE SCHOOL DISTRICT #6
BWHS - DEN Remodel
1355 GAMBLE ROAD, CENTERTON, ARKANSAS

DRAWN BY:

ASD

CHECK BY:

ASD

ISSUE DATE:

04/06/2026

PROJECT NO:

2421

REVISION DATES

MASONRY & LOCKER PLAN AREAS

SHEET

S2.1

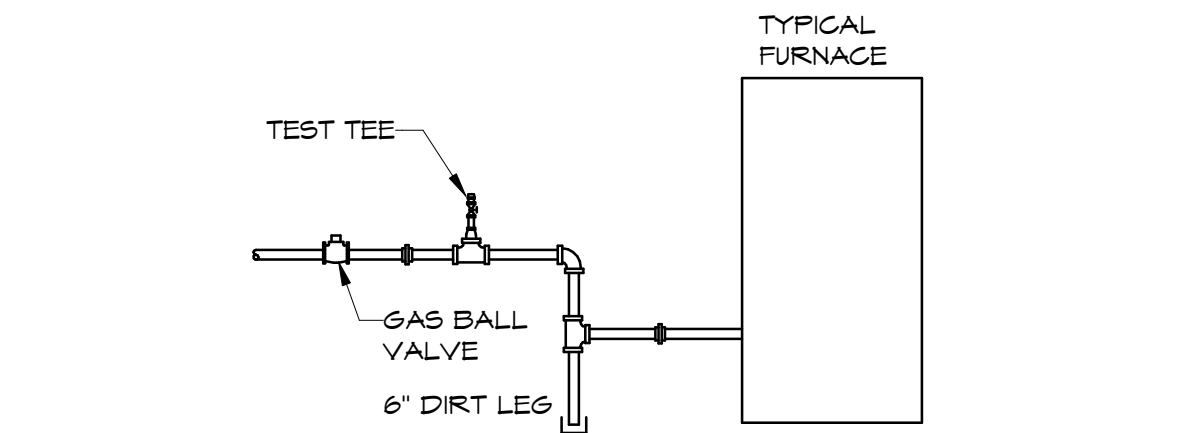
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GENERAL PLUMBING NOTES

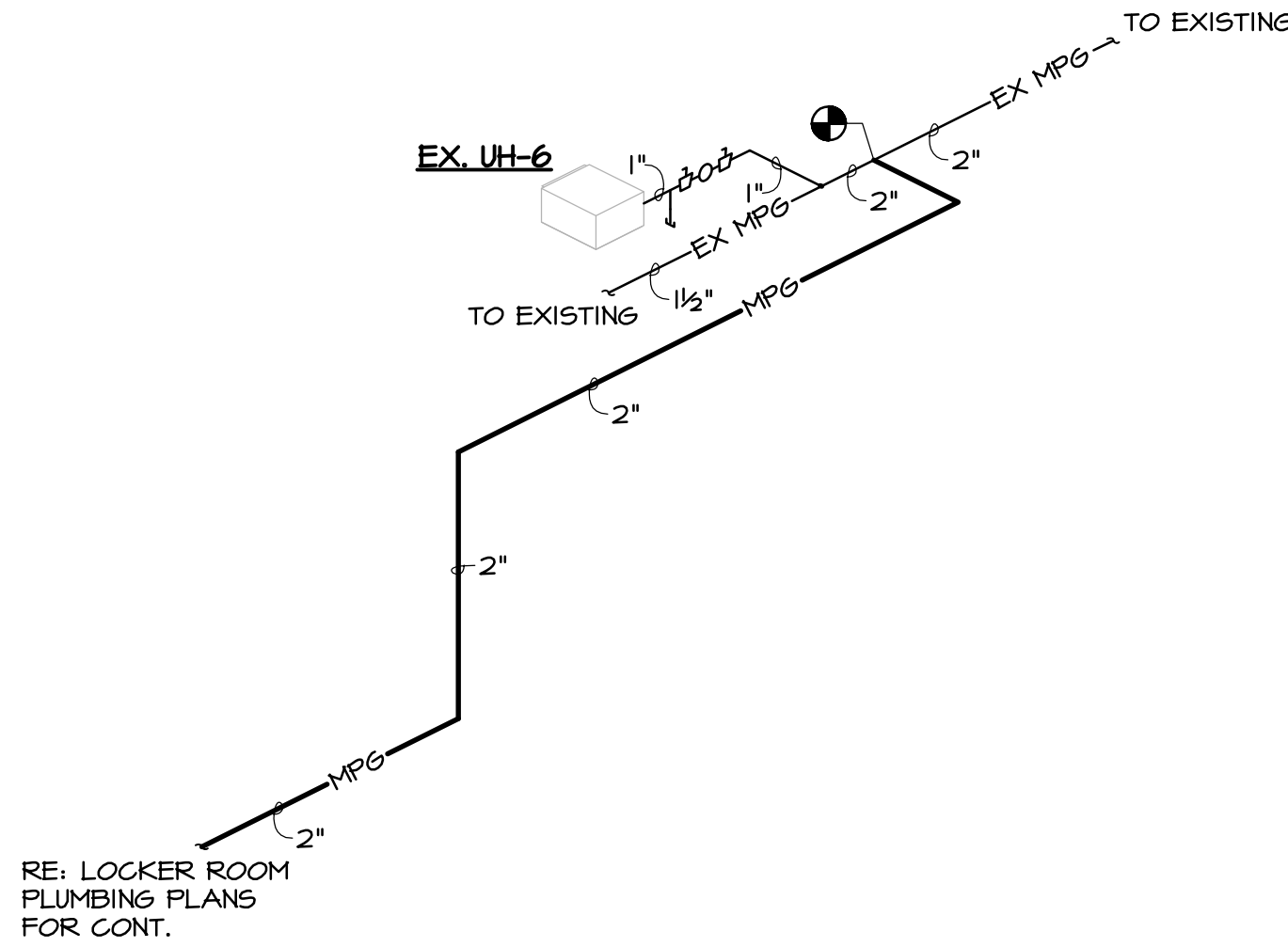
- ALL PLUMBING MATERIALS AND INSTALLATION SHALL COMPLY WITH THE ARKANSAS STATE PLUMBING CODE, LATEST EDITION.
- INSTALL ALL DOMESTIC HOT AND COLD WATER PIPING AS PER STATE AND LOCAL CODES.
- INSULATE ABOVE GRADE CONCEALED DOMESTIC HOT AND COLD WATER LINES PER SPECIFICATIONS, SECTION 15082 OR 22 07 19.
- PROVIDE MAIN DOMESTIC COLD WATER LINE BUILDING SHUT OFF VALVE AT ENTRY INTO THE BUILDING. INSTALL IN FREEZE PROOF VAULT WITH ACCESS COVER.
- INSTALL DEEP SEAL TRAPS AT ALL DRAIN CONNECTIONS.
- COORDINATE UNDER SLAB PIPING WITH COLUMNS AND FOOTINGS. REFER TO STRUCTURAL DRAWINGS.
- MINIMUM DEPTH OF COVER FOR WATER LINES IS 30 IN.
- BURY YELLOW #10 THIN COPPER TRACER WIRE IN TRENCH WITH ALL UNDER GROUND PLASTIC SERVICES. LEAVE ENDS EXPOSED FOR FUTURE LOCATION.
- PROVIDE AND INSTALL 6 IN. DIRT LEG AND GAS STOP (BALL VALVE ONLY) AT ALL EQUIPMENT GAS CONNECTIONS.
- PROVIDE GAS MAIN BUILDING SHUT OFF VALVE NEAR ENTRY TO THE BUILDING.
- ALL GAS PIPING SYSTEMS WITHIN A BUILDING AND OTHER ABOVE GROUND GAS PIPING SHALL BE ELECTRICALLY CONTINUOUS AND BONDED TO A GROUNDED ELECTRODE AS DEFINED IN N.F.P.A. 70.
- VERIFY LOCATION AND SIZE OF EXISTING SITE UTILITIES WITH UTILITY AUTHORITIES PRIOR TO CONSTRUCTION.
- ALL IMPROVEMENTS (PAVEMENTS, CURB AND GUTTER, SOD, ETC.) SHALL BE REPLACED BY GENERAL CONTRACTOR TO PRECONSTRUCTION CONDITION.
- WHERE FIRE RATED PARTITIONS OR FLOORS OCCUR, ALL FLOOR TO FLOOR AND ROOM TO ROOM PENETRATIONS SHALL BE PROPERLY FIRE SEALED WITH U.L. LISTED AND CLASSIFIED FIRE CAULK OR FIRE SEALED BY USING AN APPROVED FIRE SEAL SLEEVE METHOD WHICH MEETS U.L. REQUIREMENTS. ALL OTHER PENETRATIONS OF RATED CHASES OR WALLS SHALL BE PROPERLY FIRE SEALED AND WHERE EXTENDING THROUGH SUCH RATED SURFACE SHALL BE A RATED FIRE STOP PENETRATION. ALL FIRE STOPPING, FIRE CAULKING AND FIRE SLEEVING OR OTHER FIRE SEALING SHALL BE ACCEPTABLE BY THE LOCAL AUTHORITIES AND SHALL BEAR THE U.L. SEAL.
- INSTALL DOMESTIC WATER, GAS AND COMPRESSED AIR LINES TIGHT AGAINST BUILDING ROOF STRUCTURE.
- VERIFY LOCATION, INVERT AND SIZE OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- PROVIDE CITY APPROVED REDUCED PRESSURE BACKFLOW PREVENTERS ON ALL DOMESTIC SERVICE LINES CONNECTED TO ALL DEVICES, APPURTENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS STERILIZATION, DISTILLATION, PROCESSING FOR STORAGE OF FOODS OR ICE, WATER PUMPS, FILTERS, SOFTENERS, TANKS AND ALL OTHER APPLIANCES AND DEVICES THAT HANDLE OR TREAT POTABLE WATER SHALL BE PROTECTED AGAINST CONTAMINATION WITH SIMILAR BACKFLOW PREVENTER.
- CONDENSATE PIPING FROM ROOF TOP AIR CONDITIONERS SHALL BE SCHEDULE 40 P.V.C. PROVIDE CONDENSATE TRAP. ROUTE CONDENSATE LINE TO NEAREST ROOF DRAIN OR GUTTER.
- PROVIDE WEATHERPROOF PIPE FOOT WITH TWO MEMBRANE AS FLASHING AND STAINLESS STEEL CLAMPING RING FOR ALL GAS LINES PENETRATING THE ROOF.
- ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE ARKANSAS STATE MECHANICAL CODE.
- ALL WATER AND SEWER LINE MATERIALS AND INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH THE CITY OF CENTERTON STANDARD SPECIFICATION FOR PUBLIC WORK CONSTRUCTION AS WELL AS THE ARKANSAS STATE PLUMBING CODE.
- MECHANICAL CONTRACTOR SHALL REFER TO THE FOOD SERVICE DRAWINGS AND PROVIDE ALL REQUIRED MECHANICAL FOOD SERVICE EQUIPMENT CONNECTIONS.
- HORIZONTAL BRANCHES SHALL CONNECT TO HORIZONTAL STACK OFFSETS AND TO THE BASES OF STACKS AT A POINT LOCATED NOT LESS THAN 10 PIPE DIAMETERS DOWNSTREAM FROM THE STACK.
- CONTRACTOR SHALL PROVIDE "AS BUILT" DRAWINGS OF ALL PLUMBING AND PIPING SYSTEMS UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE DRAWINGS, THE BUILDING SITE, AND OTHER INFORMATION PRESENTED FOR THE CONSTRUCTION OF THIS PROJECT. IF CONTRACTOR HAS QUESTIONS REGARDING ASSEMBLIES OR LAYOUTS WITH THE PROJECT HE SHALL MAKE THEM KNOWN TO THE ENGINEER IN WRITING PRIOR TO BIDDING THE PROJECT. CLAIMS MADE SUBSEQUENT TO THE BID WILL NOT BE ACCEPTED IF IT IS DETERMINED THAT PROPER FAMILIARIZATION COULD HAVE AVOIDED SUCH CLAIM.
- MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION PLUMBING SITE UTILITIES WITH SITE WORK OF OTHER TRADES. IN INSTANCES WHERE COORDINATION REQUIRES DEVIATION FROM PLANS MECHANICAL CONTRACTOR SHALL NOTIFY ENGINEER OF PROPOSED CHANGES.
- COMPLY WITH STATE OF ARKANSAS ADOPTED ADA ACCESSIBLE GUIDELINES IN REGARD TO ACCESSIBLE FEATURES.
- PROVIDE DRIP PAN FOR ENTIRE LENGTH OF PIPE WHERE PIPE MUST BE INSTALLED ABOVE ELECTRICAL EQUIPMENT.
- DO NOT ROUTE GROUPS OF CONDUIT, PIPES, AND SLEEVES ABOVE FOOTINGS UNLESS NOTED TO DO SO. IF CONFLICT OCCURS, CONSULT ARCHITECT/ENGINEER.
- LIMIT WIDTH OF CONDUIT, PIPES AND SLEEVES NOT TO EXCEED 3 FEET IN WIDTH AS IT PASSES UNDER WALL FOOTING. AS MUCH AS POSSIBLE, ALIGN THE ITEMS PERPENDICULAR TO THE FOOTING AS IT PASSES BELOW FOOTING.
- PROVIDE A MINIMUM SPACING OF 2 FEET BETWEEN CONDUIT OR PIPE GROUPS AS ITEMS PASS UNDER FOOTINGS.
- DO NOT ROUTE CONDUITS, PIPE OR SLEEVES UNDER COLUMN FOOTINGS OR PAD FOOTINGS.
- MECHANICAL CONTRACTOR MUST REVIEW ALL ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES, ROOF, OVERFLOW AND FLOOR DRAINS. IF PLUMBING FIXTURES OR DRAINS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS THEY MUST BE INCLUDED IN THE CONTRACT EVEN IF NOT SHOWN ON THE MECHANICAL DRAWINGS.
- WHERE THE BUILDING SEWER IS INSTALLED WITHIN 10 FEET OF THE WATER SERVICE THE WATER SERVICE PIPE SHALL BE A MINIMUM OF 12 INCHES ABOVE THE TOP OF THE HIGHEST POINT OF THE SEWER. REQUIRED SEPARATION DISTANCE SHALL NOT APPLY WHERE A WATER SERVICE PIPE CROSSES A SEWER PIPE IS SLEEVED 10 FEET HORIZONTALLY FROM THE SEWER PIPE CENTERLINE ON BOTH SIDES OF SUCH PIPE CROSSINGS.
- DO NOT SCALE DIRECTLY FROM THE PLUMBING DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.
- ALL PLUMBING SANITARY WASTE AND VENT PIPING INSTALLED IN FIRE RATED WALLS OR PLENUM RETURN AIR SYSTEMS SHALL BE CAST IRON. REFER TO ARCHITECTURAL PLANS FOR LIFE SAFETY INFORMATION.

PLUMBING KEYED NOTES

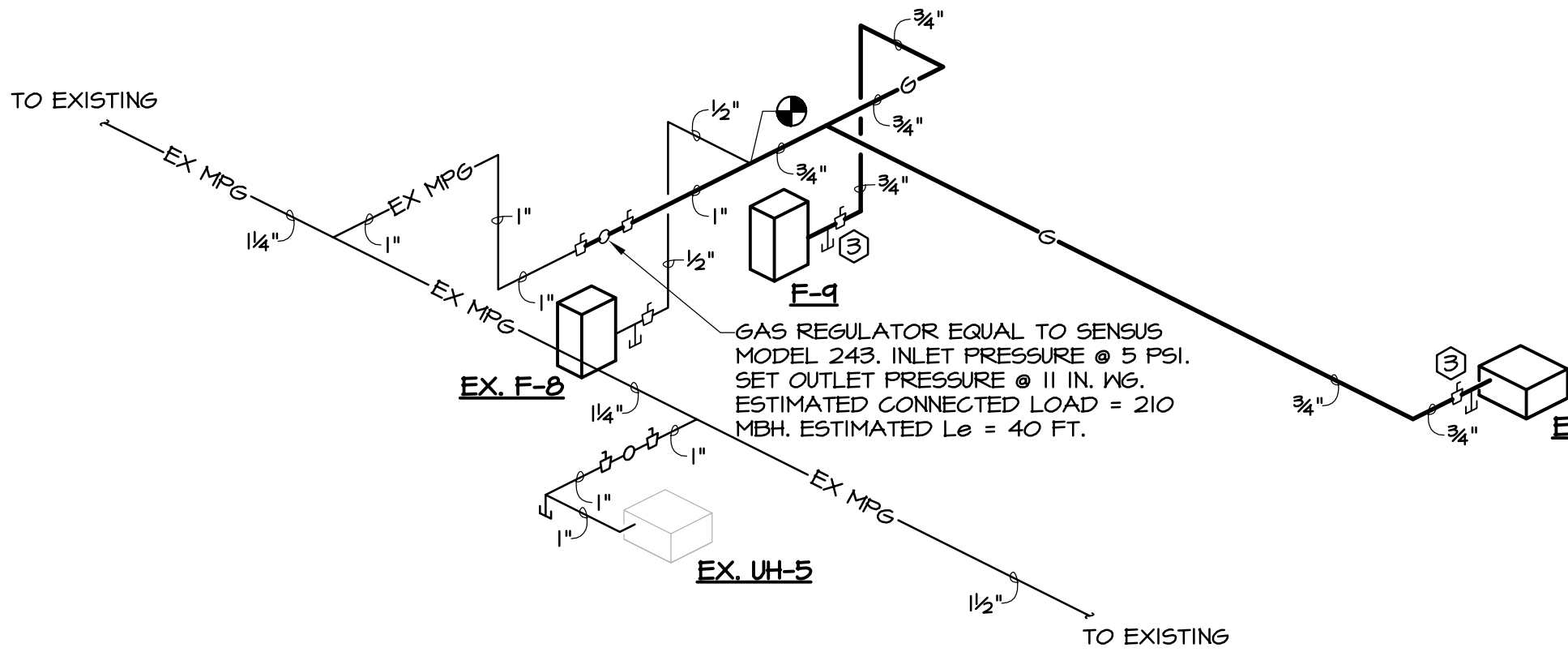
- INSTALL AN APPROVED TRAP GUARD PRODUCT THAT CONFORMS TO NSF-14, CSA B602-99 AND CSA B79-94.
- COORDINATE UNDERSLAB PIPING WITH STRUCTURAL FOOTINGS. REFER TO STRUCTURAL PLANS FOR LOCATIONS AND SIZES OF FOOTINGS.
- PROVIDE AND INSTALL 6 INCH DIRT LEG AND GAS STOP (BALL VALVE ONLY) AT ALL EQUIPMENT GAS CONNECTIONS. REFER TO DETAIL 1/P1.1.
- MECHANICAL CONTRACTOR SHALL NOT INSTALL ANY WATER LINES ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL PLANS FOR PANEL LOCATIONS.
- IDENTIFY OUTDOOR UNDERGROUND LINES WITH CONTINUOUS STRIP OF PLASTIC UTILITY MARKER. TAPE SHOULD STATE AT REGULAR INTERVALS: "CAUTION (STATE UTILITY) PIPE BELOW". INSTALL TAPE ONE FOOT DIRECTLY ABOVE PIPE BEFORE BACKFILLING TO GRADE.



1 TYPICAL GAS CONNECTION NTS



2 GAS RISER 1 NTS



3 GAS RISER 2 NTS

NOTE:
REFER TO SHEET P1.1 FOR PLUMBING NOTES, LEGEND, DETAILS, & RISERS.
REFER TO SHEETS P2.0 & P2.1 FOR PLUMBING PLANS.

PLUMBING LEGEND

-----	SANITARY WASTE PIPING
-----EX SS-----	EXISTING SANITARY WASTE PIPING
-----	GREASE SANITARY WASTE PIPING
-----EX GR-----	EXISTING GREASE SANITARY WASTE PIPING
-----	VENT PIPING
-----	EXISTING VENT PIPING
-----	COLD WATER PIPING
-----EX CW-----	EXISTING COLD WATER PIPING
-----	HOT WATER PIPING
-----EX HW-----	EXISTING HOT WATER PIPING
-----HWR-----	HOT WATER RETURN PIPING
-----EX HWR-----	EXISTING HOT WATER RETURN PIPING
-----MPG-----	MEDIUM PRESSURE GAS PIPING (5 PSIG)
-----G-----	LOW PRESSURE GAS PIPING (11 IN. W.C.)
-----EX MPG-----	EXISTING MEDIUM PRESSURE GAS PIPING
-----EX G-----	EXISTING LOW PRESSURE GAS PIPING
-----CD-----	CONDENSATE DRAIN PIPING
-----RD-----	ROOF DRAIN PIPING
-----EX RD-----	EXISTING ROOF DRAIN PIPING
-----OFD-----	OVER FLOW DRAIN PIPING
-----SD-----	STORM DRAIN PIPING
-----EX FL-----	EXISTING FIRE LINE
-----EX FDC-----	EXISTING FIRE DEPARTMENT CONNECTION
////	PIPING TO BE REMOVED
-----X-----	BALL VALVE
-----N-----	CHECK VALVE
-----R-----	PRESSURE REDUCING VALVE
-----O-----	GAS REGULATOR EQUAL TO EQUI-METER 243
-----G-----	GAS BALL VALVE
-----	CONNECTION POINT
-----	FIXTURES TO BE REMOVED
-----	WATER HAMMER ARRESTOR (SIZE PER MANUFACTURER'S RECOMMENDED FIXTURE UNIT CAPACITY)
1	REFER TO KEYED NOTES
P-1	PLUMBING FIXTURE NUMBER (REFER TO PLUMBING FIXTURE SCHEDULE)
COTG	CLEAN OUT TO GRADE
FD	FLOOR DRAIN
FS	FLOOR SINK
FPHB	FREEZE PROOF HOSE BIB
HB	HOSE BIB
ADA	ACCESSIBLE
HD	HUB DRAIN
WCO	WALL CLEAN OUT
WH	WATER HEATER
SS	SANITARY SEWER
RD	ROOF DRAIN

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BENTONVILLE SCHOOL DISTRICT #6

BWHS - DEN Remodel

1355 GAMBLE ROAD, CENTERTON, ARKANSAS

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04/06/2026

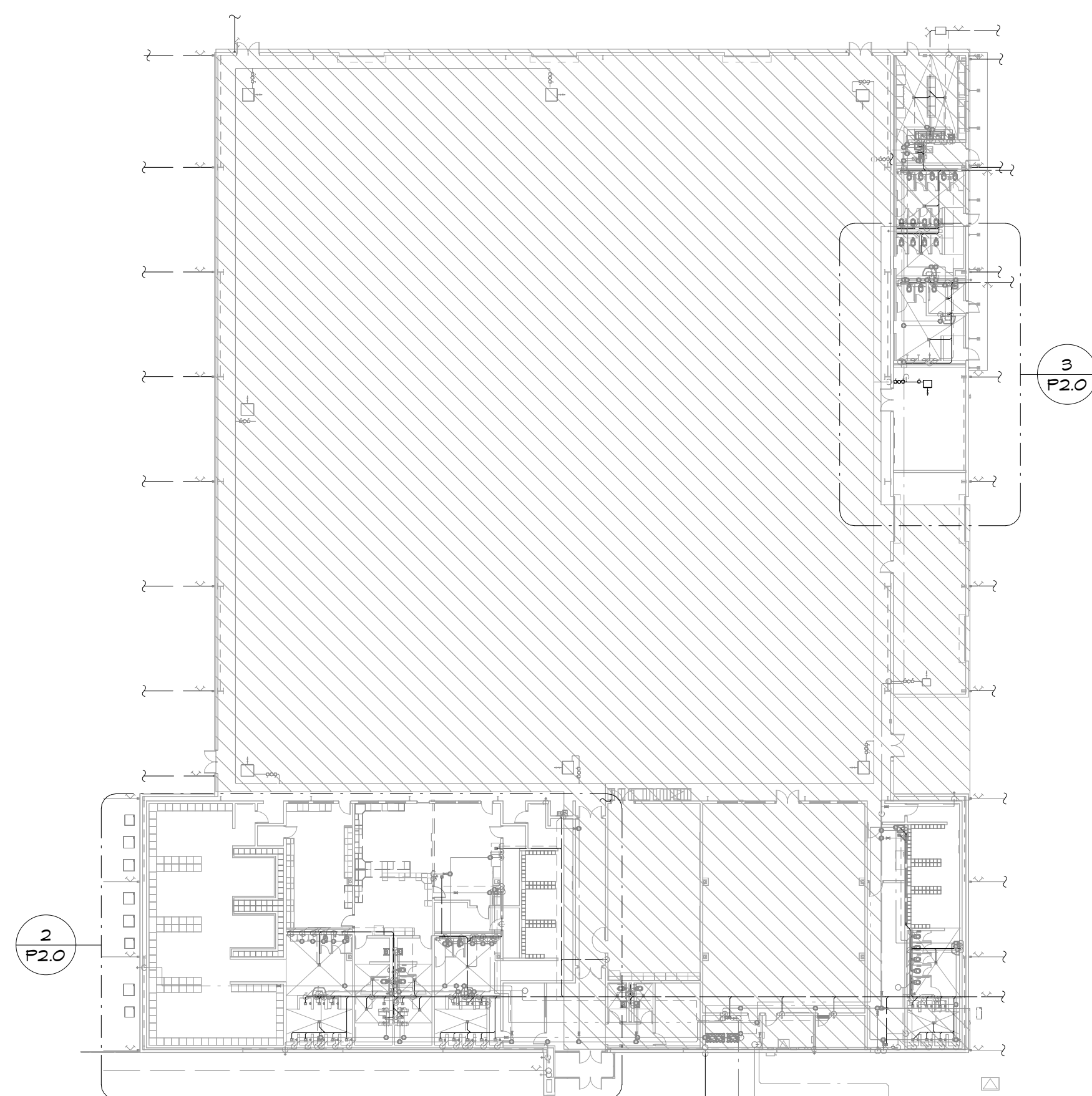
PROJECT NO:
2421

REVISION DATES

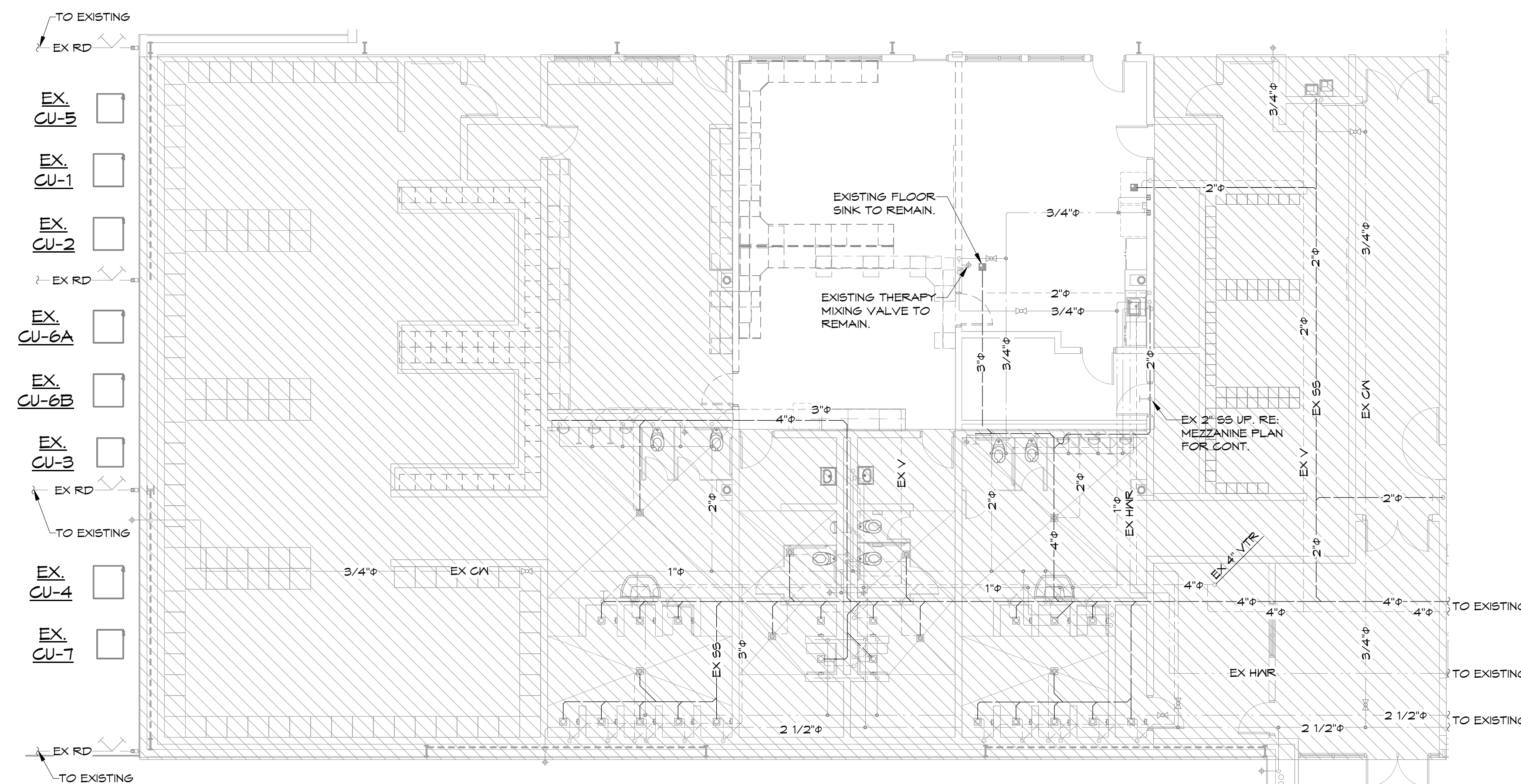
PLUMBING NOTES, LEGEND, DETAILS, & RISERS
SHEET

P1.1

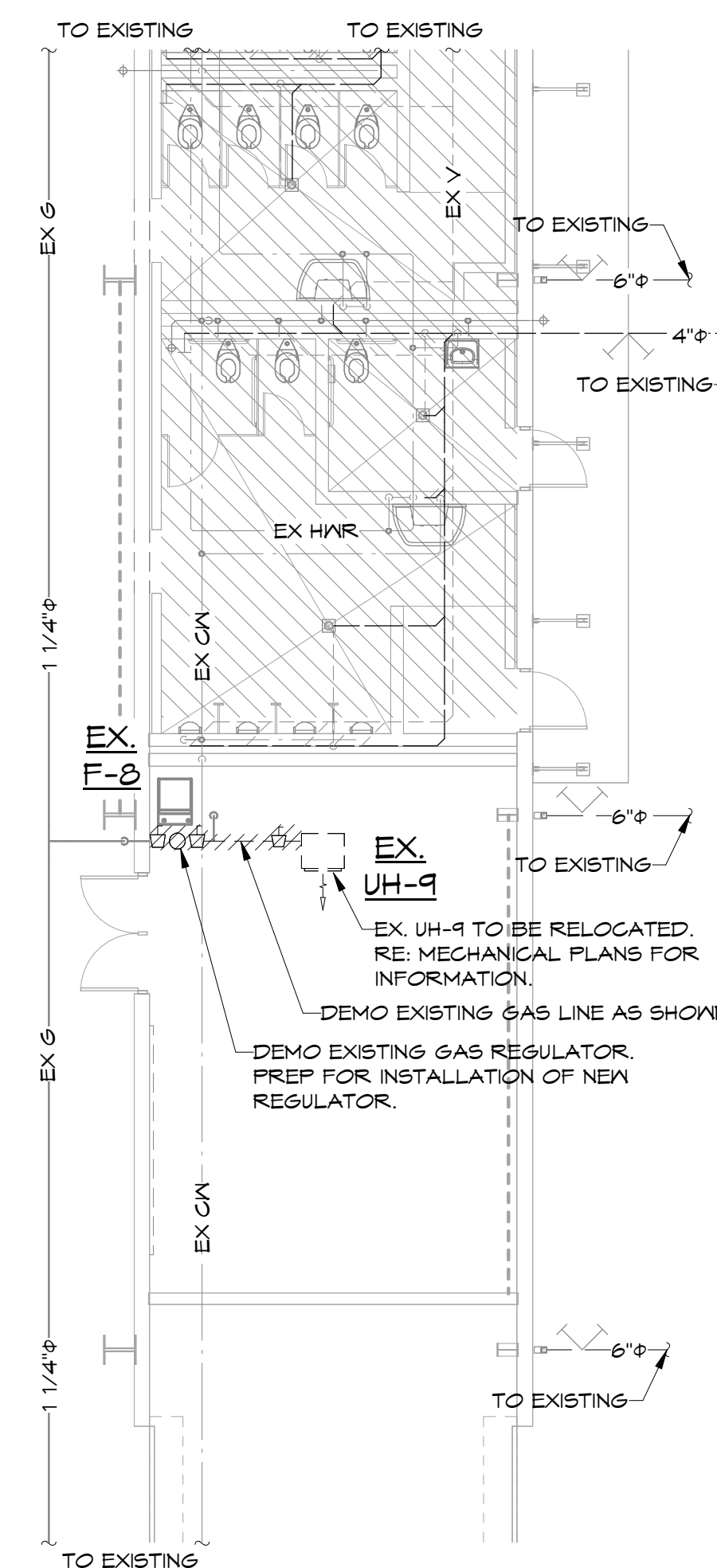
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1 OVERALL FIRST FLOOR PLUMBING DEMO PLAN
1/32" = 1'-0"



2 FIRST FLOOR PLUMBING DEMO PLAN - AREA A
1/8" = 1'-0"



3 FIRST FLOOR PLUMBING DEMO PLAN - AREA B
1/8" = 1'-0"

NOTE:
REFER TO SHEET P1.1 FOR PLUMBING NOTES, LEGEND, DETAILS, & RISERS.
REFER TO SHEETS P2.0 & P2.1 FOR PLUMBING PLANS.

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BENTONVILLE SCHOOL DISTRICT #6
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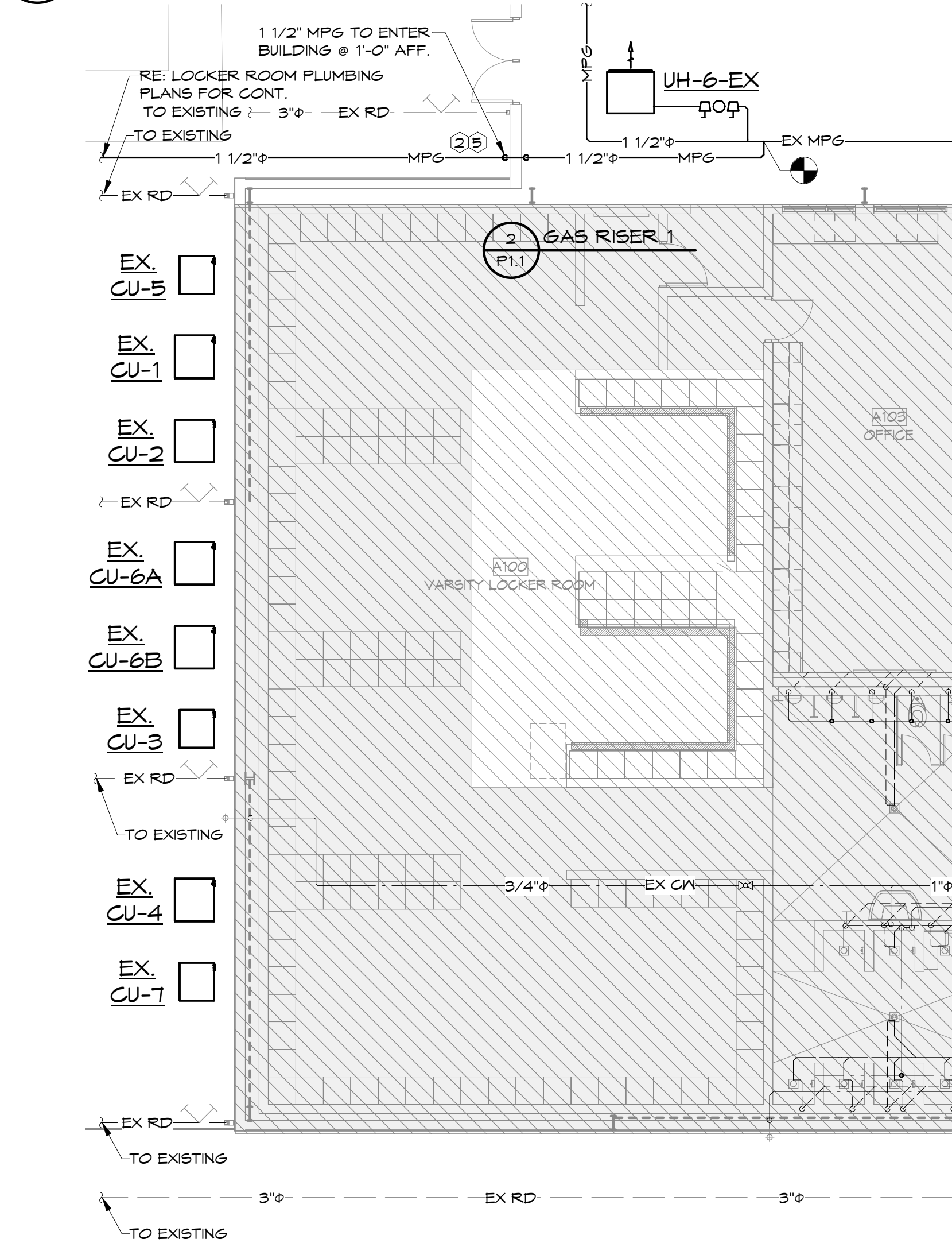
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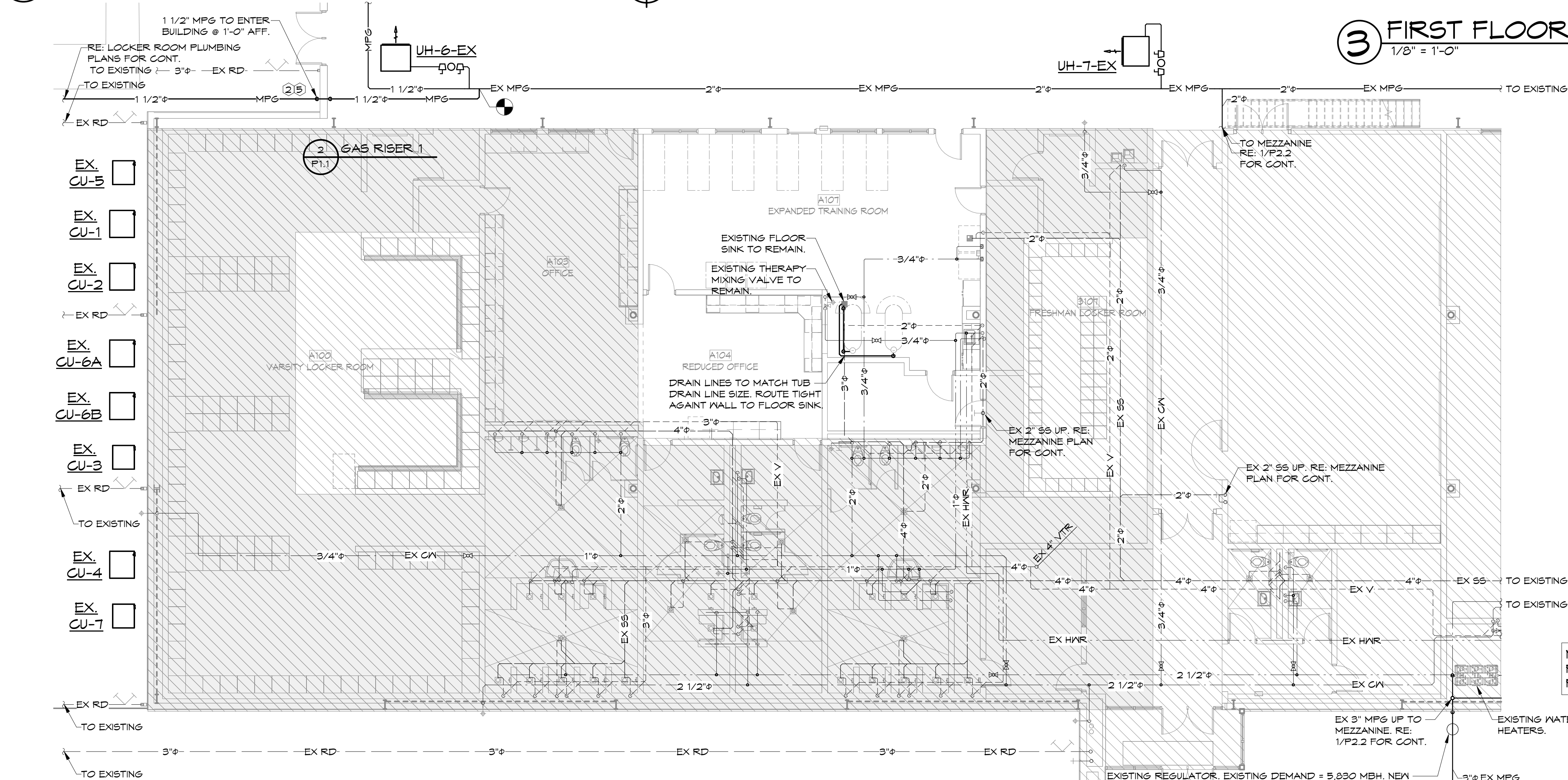
PLUMBING PLANS
SHEET
P2.1

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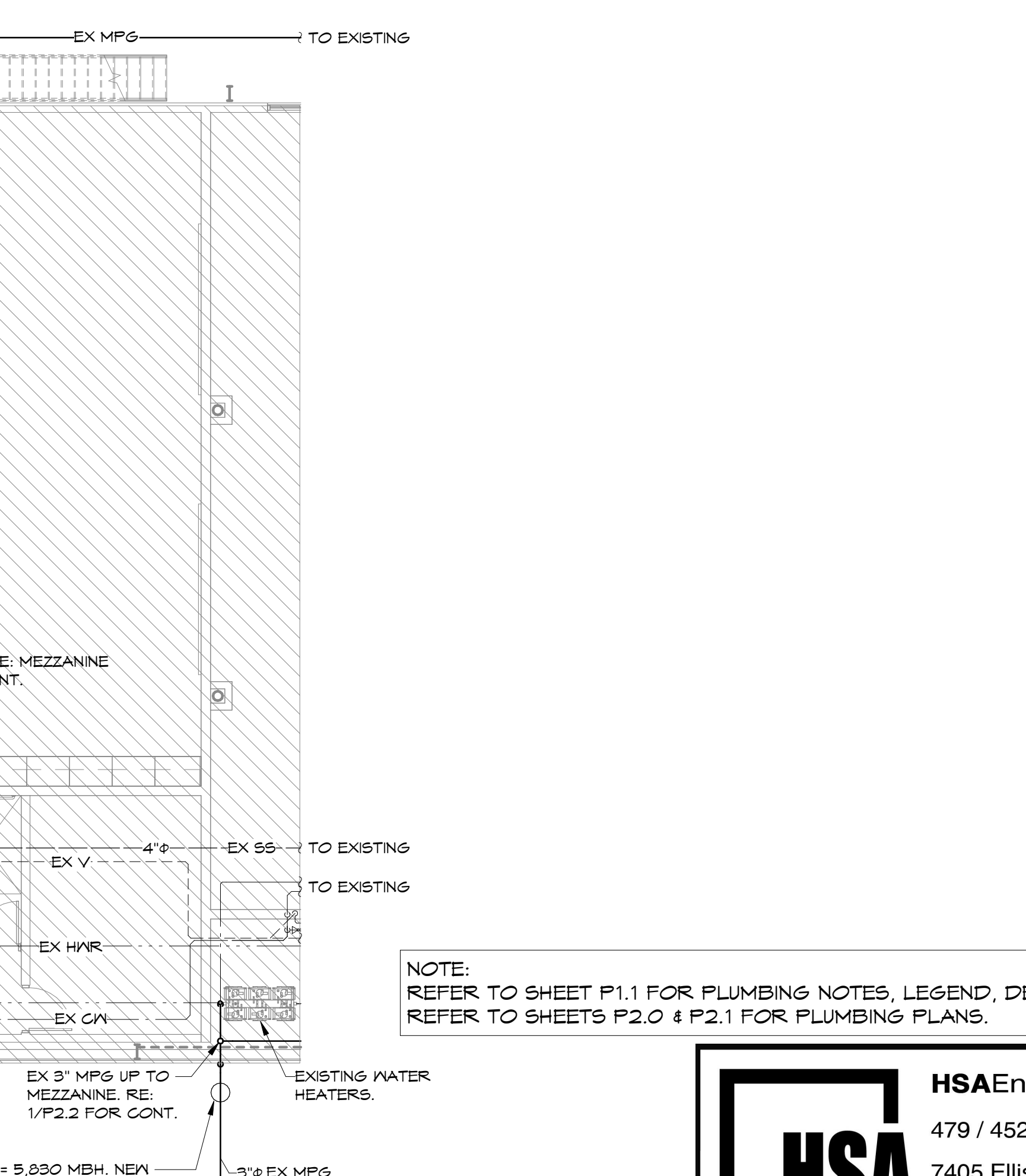
1 OVERALL FIRST FLOOR PLUMBING PLAN
1/32" = 1'-0"



2 FIRST FLOOR PLUMBING PLAN - AREA A
1/8" = 1'-0"



3 FIRST FLOOR PLUMBING PLAN - AREA B
1/8" = 1'-0"



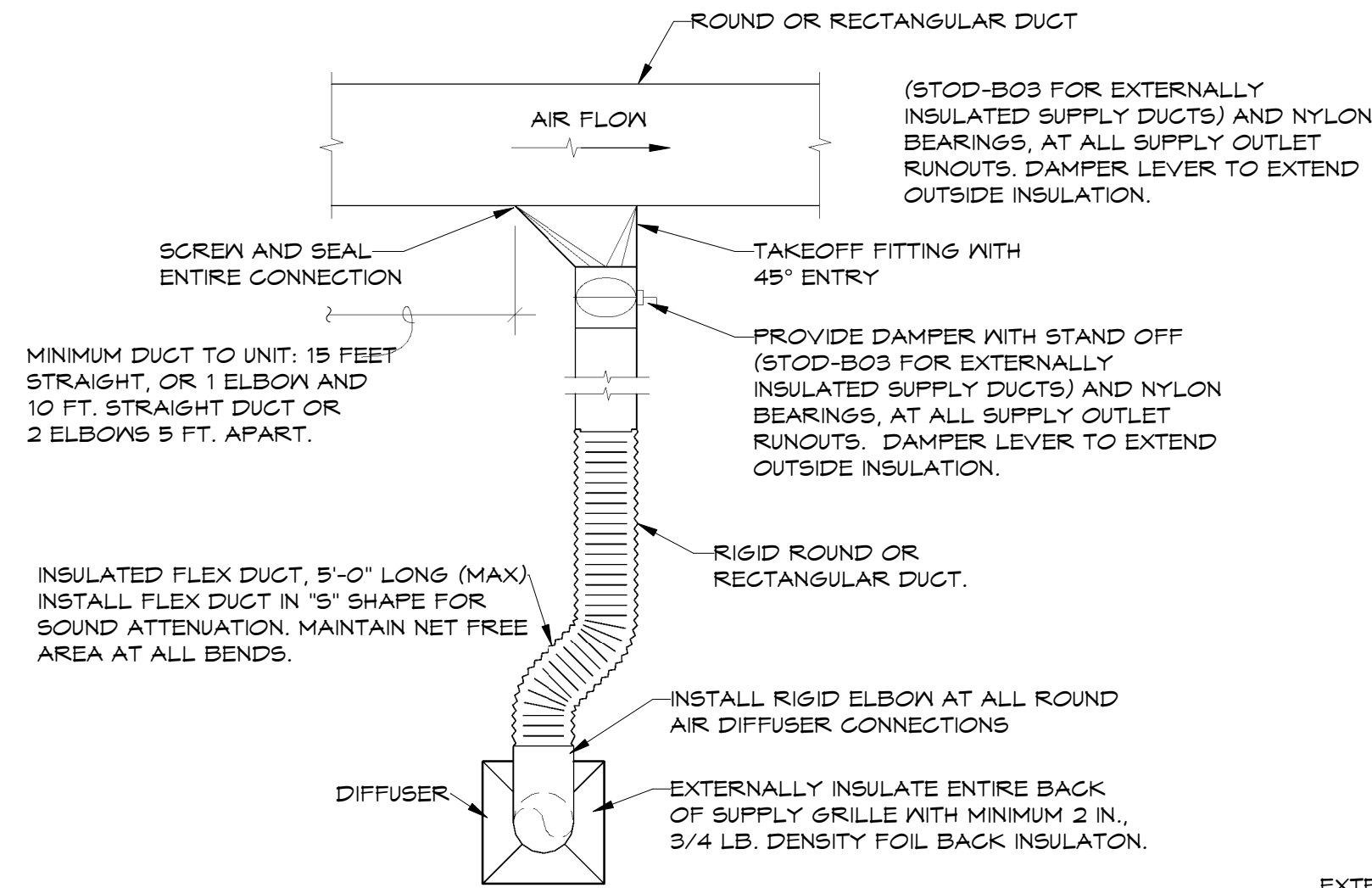
NOTE:
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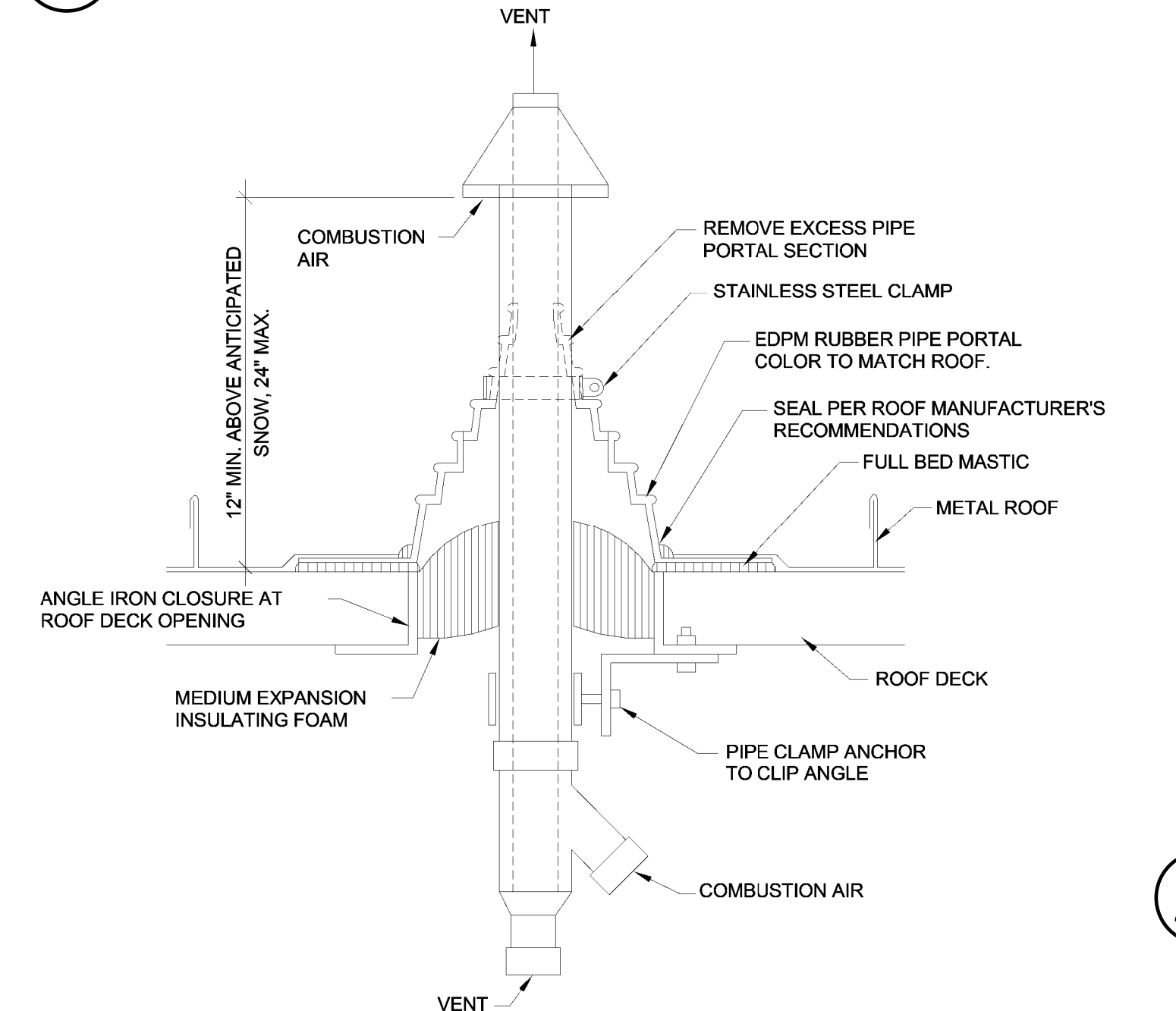
GENERAL HVAC NOTES

- COORDINATE GRILLE LOCATIONS WITH LIGHT FIXTURES, SPRINKLERS AND CEILING GRID.
- INDICATED DUCT SIZES ARE NET FREE AREA.
- ADJUST ALL AIR QUANTITIES AS SHOWN ON THE PLANS AFTER COMPLETION OF THE JOB.
- INSULATE THE SUPPLY GRILLE TOPS, RETURN AIR GRILLE PLENUMS AND EXHAUST AIR PLENUMS WITH 2 IN., 3/4 LB DENSITY FOIL BACKED INSULATION.
- EXTERNALLY INSULATE ALL ROUND SUPPLY AND RETURN DUCT. INTERNALLY INSULATE ALL RECTANGULAR SUPPLY AND RETURN DUCT PER MECHANICAL CODE. ATTACH THE INTERNAL INSULATION TO THE DUCT WITH APPROVED ADHESIVE AND WELDED FASTENERS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK WITH FIELD CONDITIONS AND PROVIDE ALL OFFSETS, BENDS, TRANSITIONS AND SPECIAL FITTINGS FOR A COMPLETE INSTALLATION OF THE SYSTEMS.
- INTERIOR OF ALL DUCT PLENUMS VISIBLE THROUGH GRILLE SHALL BE PAINTED MATTE BLACK PRIOR TO INSTALLATION.
- PAINT ALL SUPPLY AND RETURN AIR GRILLES NOT SPECIFIED AS PRE-FINISHED, TO ARCHITECT'S SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
- INSTALL VOLUME CONTROL DAMPERS IN SUPPLY, RETURN, EXHAUST AND FRESH AIR BRANCH DUCT RUNS.
- ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE MECHANICAL CODE.
- SEAL ALL DUCT SEAMS WITH HARDCAST IRON GRIP 601 SEALANT SYSTEM OR AN APPROVED EQUAL. DUCT TAPE, WHETHER LISTED OR NOT, WILL NOT BE ACCEPTED.
- FABRICATE AND INSTALL ALL GALVANIZED DUCT SYSTEMS TO SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION, AND MECHANICAL CODE.
- FABRICATE AND INSTALL AUXILIARY CONDENSATE DRAIN PAN UNDER ENTIRE AIR HANDLER WITH CONDENSATE PAN SWITCH INTERLOCKED WITH AIR HANDLER FOR SHUT DOWN WHEN CONDENSATE OVER FLOW IS SENSED.
- SUPPLY AIR SYSTEMS AND RETURN AIR SYSTEMS INSTALLED IN AN ATTIC, VENTILATED CRAWL SPACE OR OTHER NON-CONDITIONED AREA SHALL BE INSULATED.
- SPRINKLER CONTRACTOR TO BE RESPONSIBLE FOR ROUTING ALL SPRINKLER PIPING TO AVOID ALL UNCONDITIONED SPACES.
- DO NOT SCALE DIRECTLY FROM THE HVAC DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.

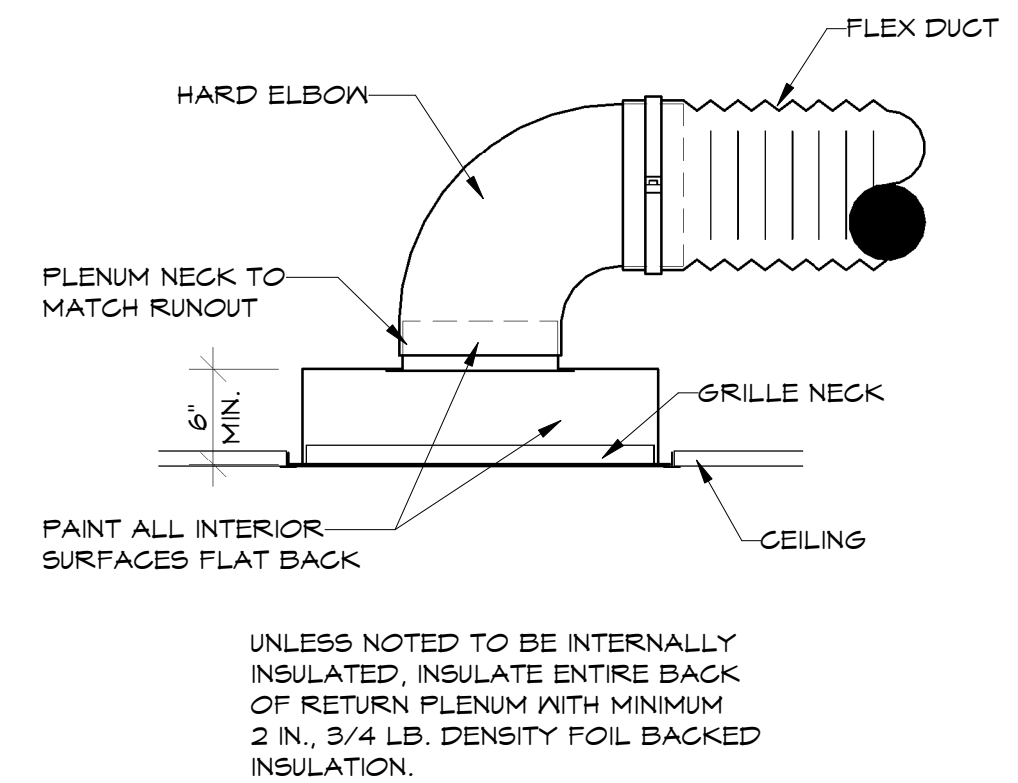
1 SUPPLY DUCT CONNECTION DETAIL



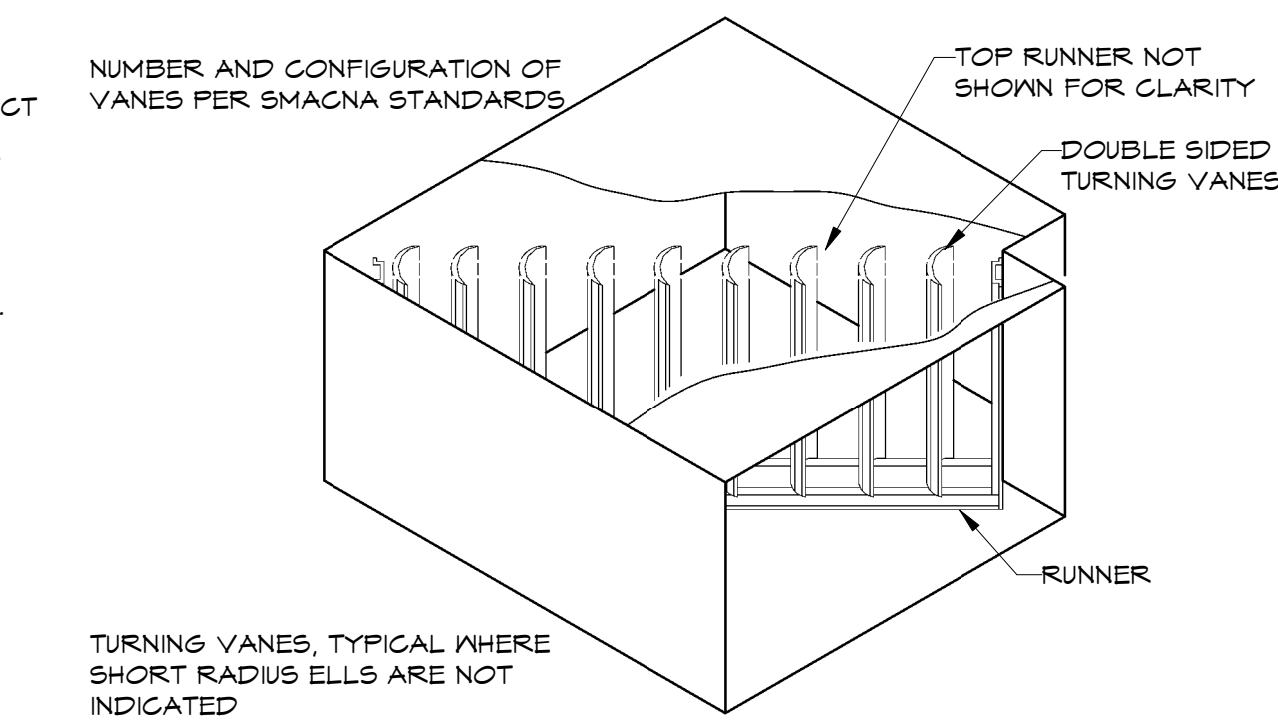
2 RETURN DUCT CONNECTION DETAIL



3 RET. GRILLE CONNECTION SECTION



4 TURNING VANE DETAIL



AIR DISTRIBUTION SCHEDULE								
MARK	CFM	NECK SIZE	MFG.	MODEL	TYPE	FINISH	FRAME	REMARKS/ACCESSORIES
A	175-180	8"Ø	PRICE	SCD	4-WAY SUPPLY	REFER TO ARCHITECT	T-BAR LAY-IN	1
B	350	12"Ø	PRICE	SCD	4-WAY SUPPLY	REFER TO ARCHITECT	T-BAR LAY-IN	1
C	200-1200	22" X 22"	PRICE	530	RETURN	REFER TO ARCHITECT	T-BAR LAY-IN	1, 2

REMARKS/ACCESSORIES

- STEEL CONSTRUCTION.
- NO SCREW HOLES.

FURNACE SCHEDULE (OWNER PROVIDED)											
MARK	MFG.	MODEL	ESP IN. WG	CFM	HEATING			OUTSIDE AIR (CFM)	FAN MOTOR HP	VOLT/PH/HZ	REMARKS / ACCESSORIES
					INPUT (MBH)	OUTPUT (MBH)	FULE TYPE				
F-9	DAIKIN	DR96SN0804GN	0.5	1400	80	76	GAS	260	3/4	115 / 1 / 60	1 THRU 10

REMARKS/ACCESSORIES

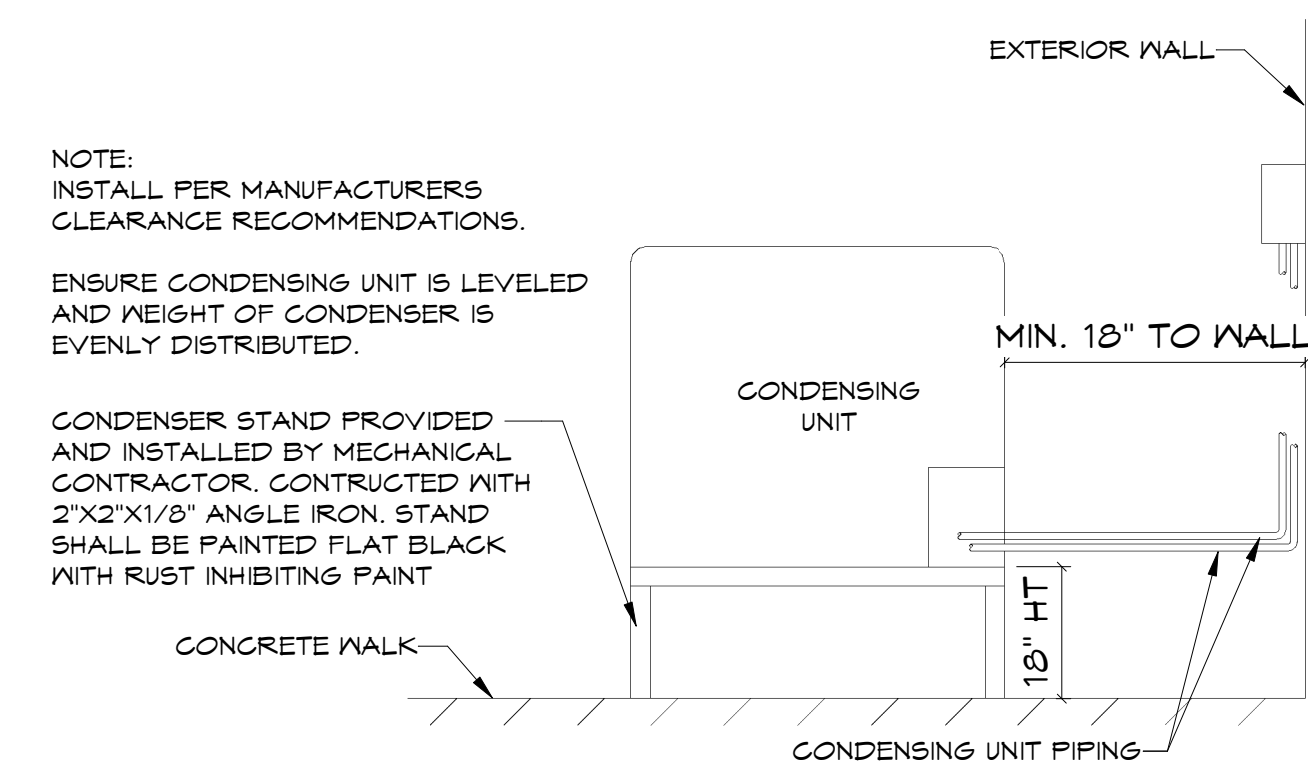
- 95% MIN. AFUE UPFLOW GAS FURNACE.
- ELECTRONIC SPARK IGNITION.
- 10 YEAR MIN. NON-PRORATED HEAT EXCHANGER.
- PROVIDE 2" FARR 30/30 FILTERS.
- PROVIDE FILTER HOUSING EQUAL TO MCDANIEL METALS "ACCOMMODATOR" FILTER HOUSING. HOUSING MUST ACCEPT UP TO 2 INCH FILTER.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT.
- PROVIDE FACTORY VERTICAL CONCENTRIC TERMINATION KITS REFER TO 5/M1.1 FOR DETAIL.
- PROVIDE MATCHING MULTI-POSITION CASED "A" TYPE COIL WITH TXV REFRIGERANT CONTROL.
- PROVIDE FULL 2 YEAR PARTS AND LABOR WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION.
- EQUIPMENT IS TO BE OWNER PROVIDED BUT INSTALLED BY MECHANICAL CONTRACTOR.

CONDENSER SCHEDULE (OWNER PROVIDED)								
MARK	MFG.	MODEL	TMBH	SMBH	MCA	MOP	VOLT/PH/HZ	REMARKS / ACCESSORIES
CU-9	DAIKIN	DC95EA4210	39	28	19.3	30	208-230 / 1 / 60	1 THRU 8

REMARKS/ACCESSORIES

- MINIMUM 14.0 SEER CONDENSER.
- PROVIDE LOW AMBIENT TO OF CONTROL WITH TXV AND CRANK CASE HEATERS.
- PROVIDE LIQUID LINE FILTER DRYER.
- PROVIDE FACTORY HAIL GUARD.
- SIZE AND INSTALL REFRIGERANT LINES PER MANUFACTURERS RECOMMENDATIONS.
- EQUIPMENT PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR.
- PROVIDE FULL 2 YEAR PARTS AND LABOR WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION.
- EQUIPMENT IS TO BE OWNER PROVIDED BUT INSTALLED BY MECHANICAL CONTRACTOR.

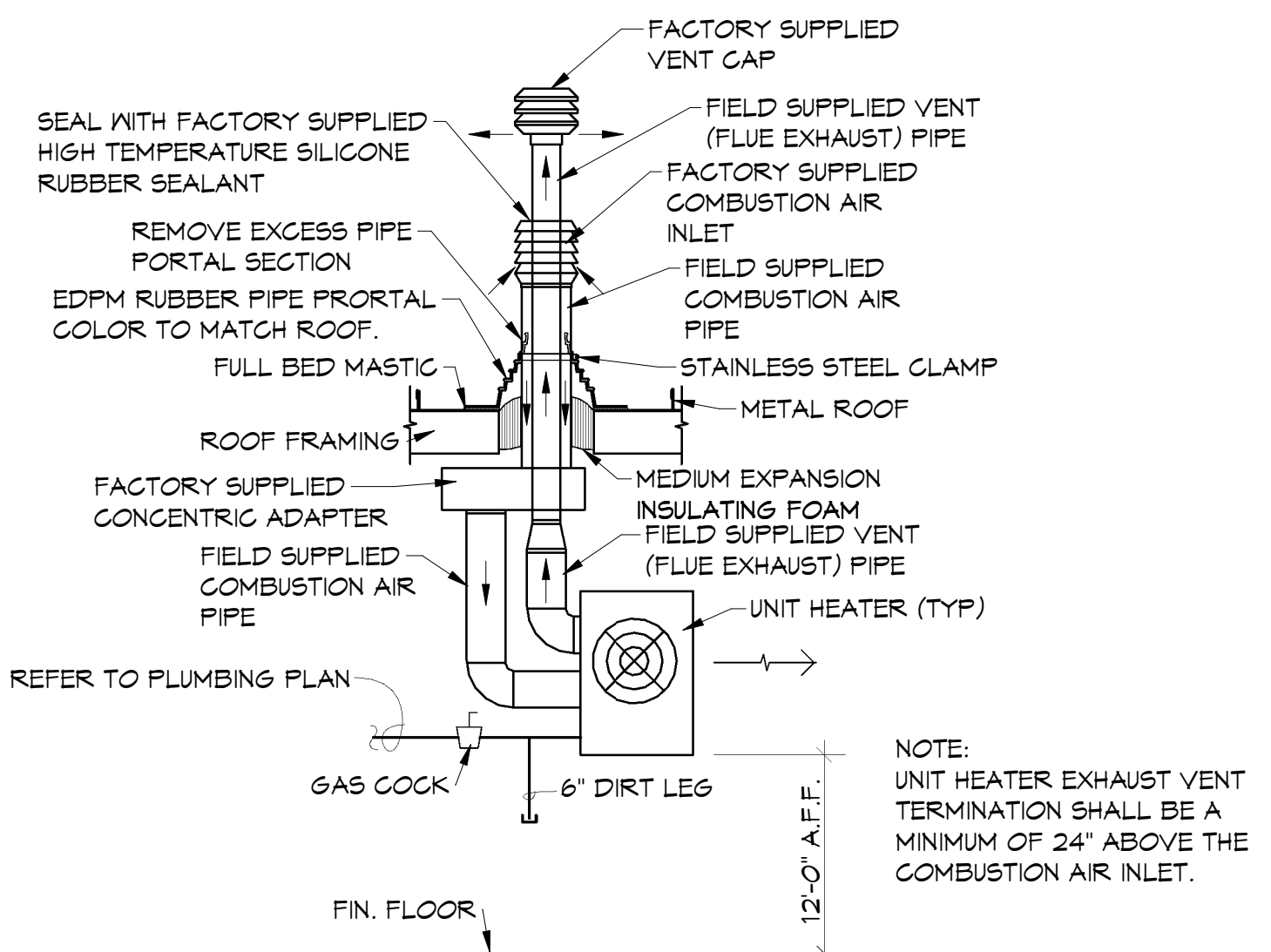
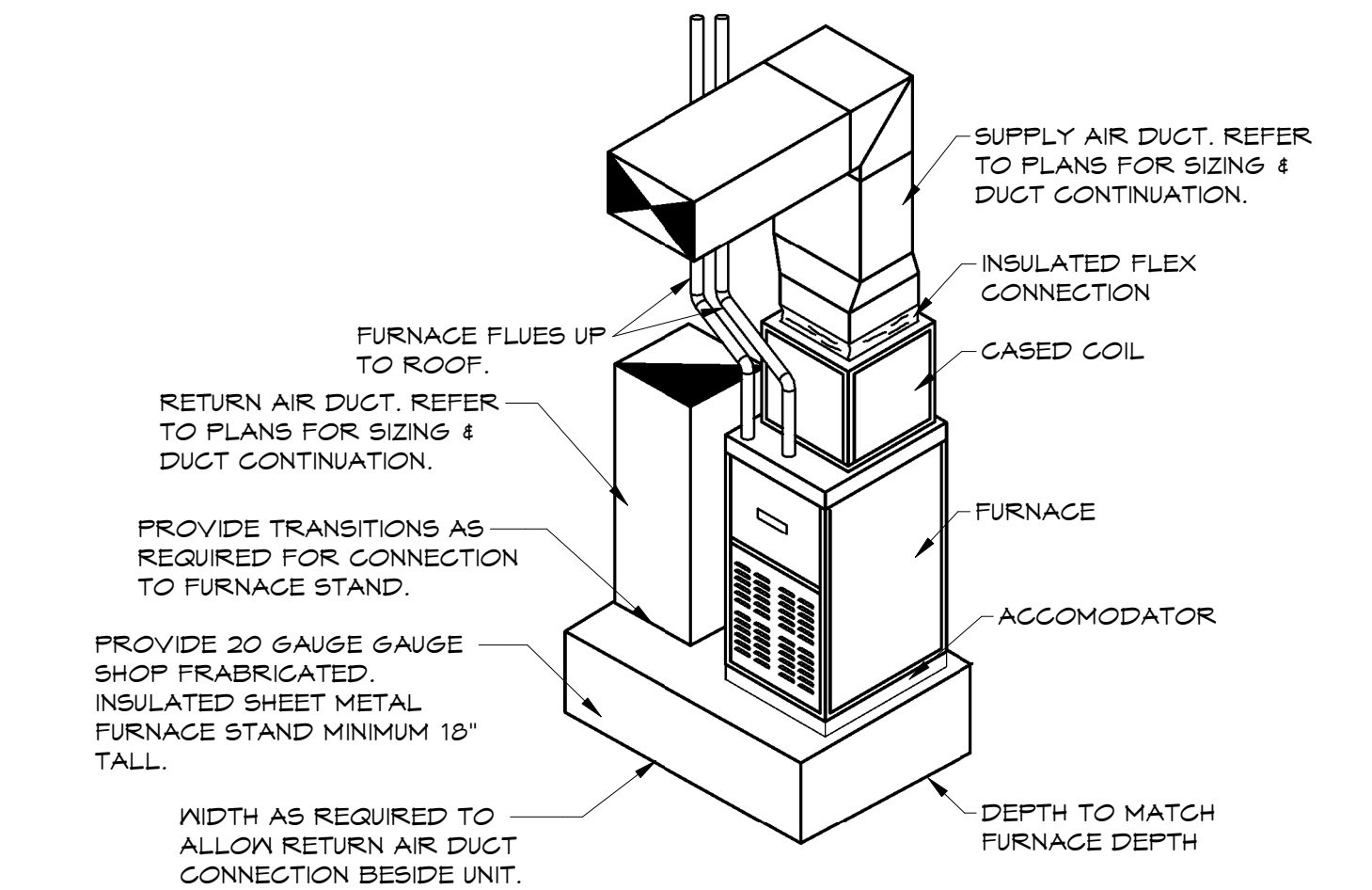
5 FURNACE CONCENTRIC VENT DETAIL



7 CONDENSER STAND DETAIL

NOTE:
REFER TO SHEET M1.1 FOR HVAC NOTES, LEGENDS, DETAILS & SCHEDULES.
REFER TO SHEET M2.0 FOR HVAC DEMO PLANS.
REFER TO SHEET M2.1 FOR HVAC PLANS.

6 FURNACE STAND DETAIL



8 UNIT HEATER DETAIL

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BWHS - DEN Remodel
1355 GAMBLE ROAD, CENTER TON, ARKANSAS

DRAWN BY:
RJK
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NEW
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PROJECT NO:
2421
REVISION DATES:

HVAC NOTES & LEGEND
SHEET
M1.1
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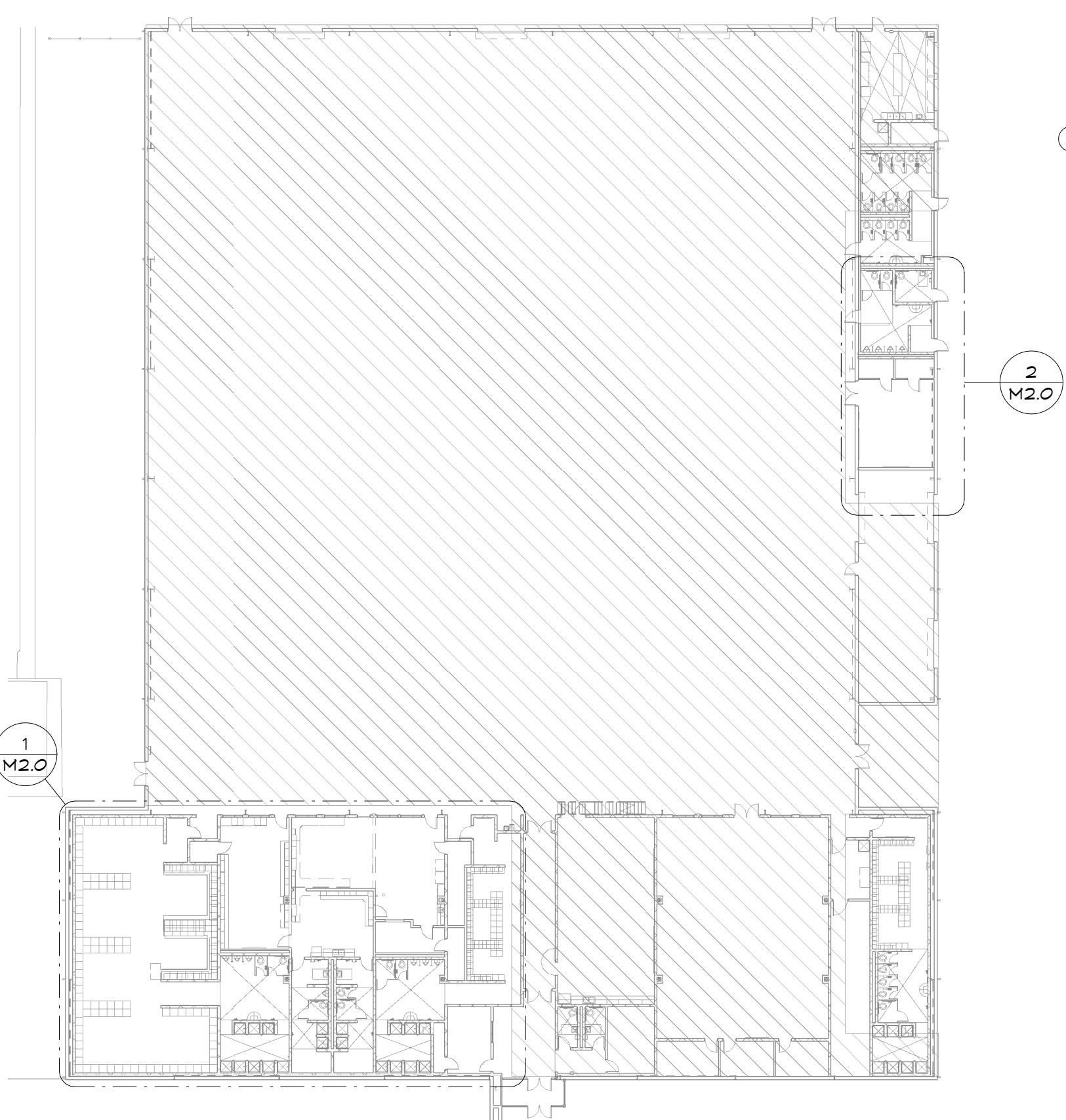
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HVAC DEMO PLAN
SHEET
M2.0

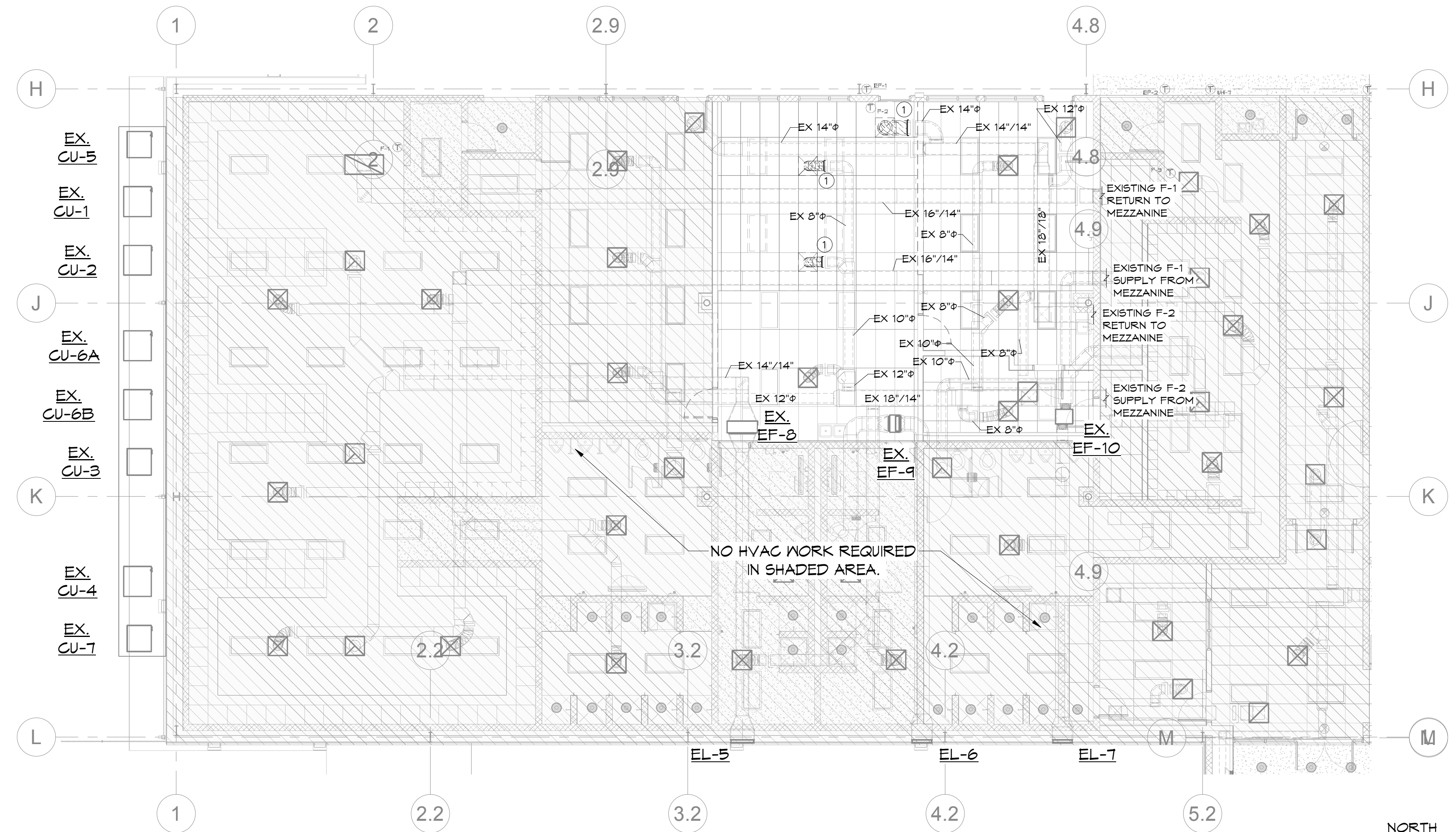
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HVAC DEMO KEYED NOTES

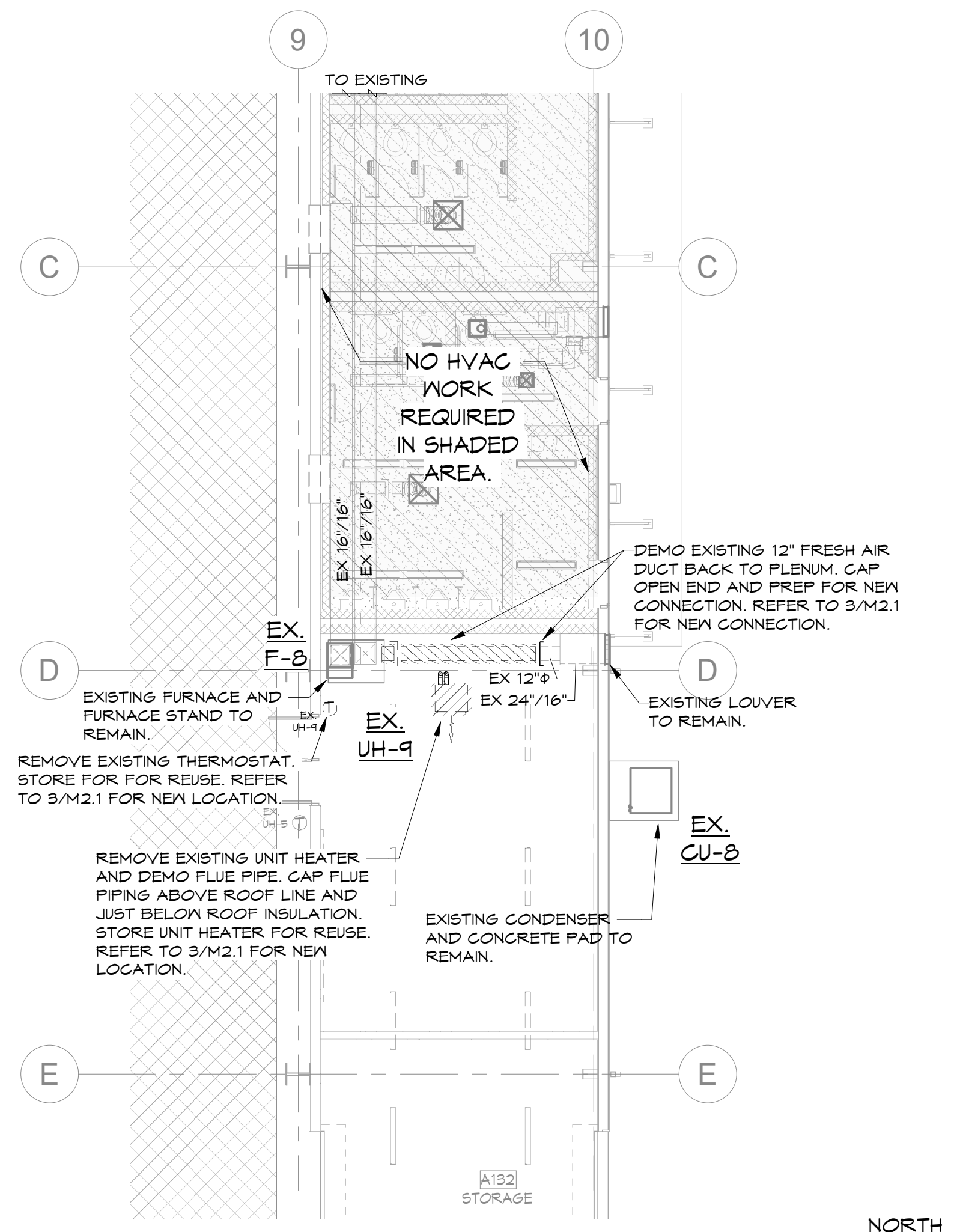
- ① DEMO EXISTING GRILLE AND FLEX DUCT CONNECTION TO EXISTING BRANCH DUCT. CAP OPEN DUCT AND PREP FOR NEW CONNECTION. REFER TO 2/M2.1 FOR NEW CONNECTION.



③ OVERALL HVAC DEMO PLAN
1/32" = 1'-0"



① FIRST FLOOR DEMO HVAC PLAN - AREA A
1/8" = 1'-0"



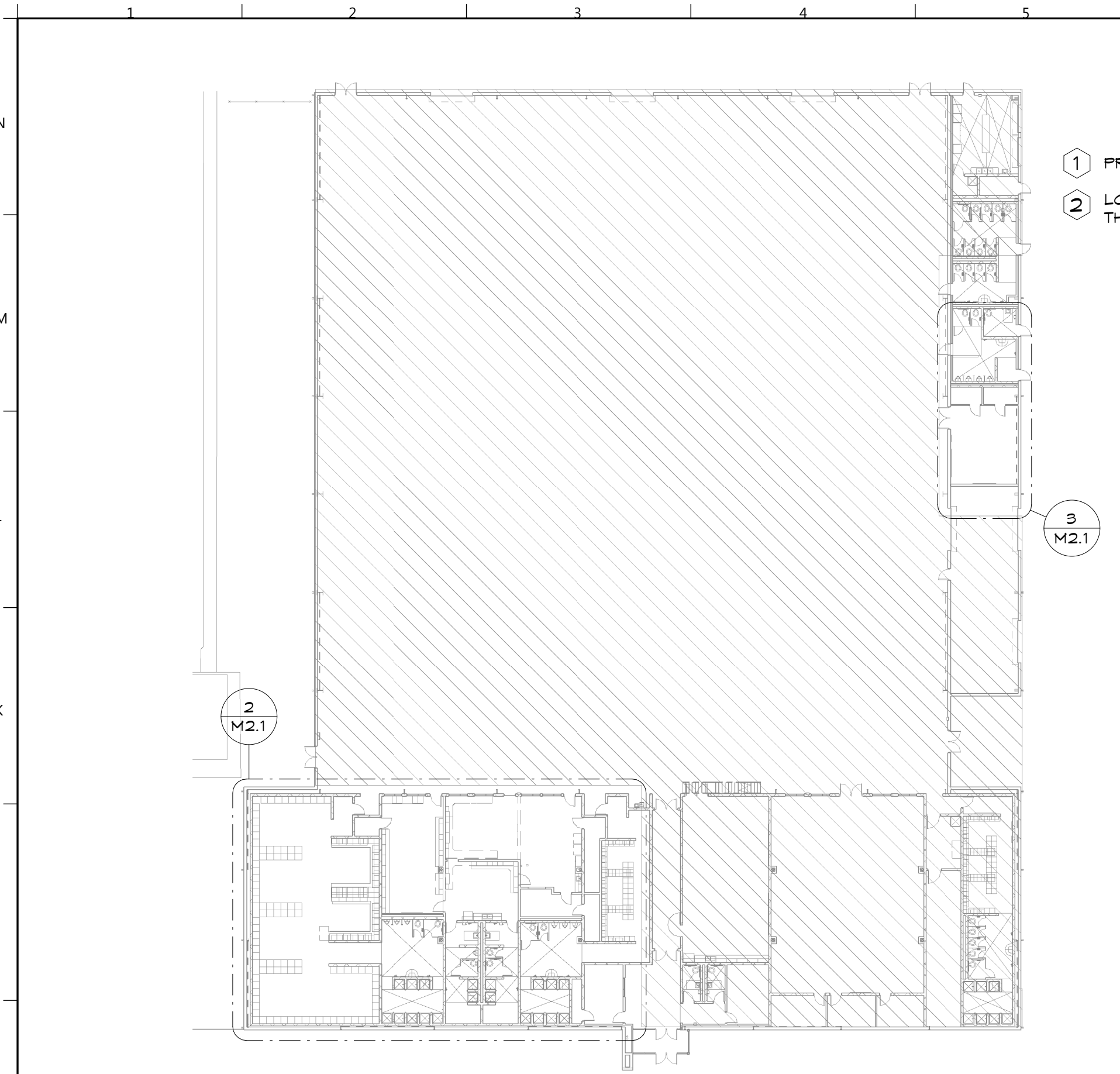
② FIRST FLOOR DEMO HVAC PLAN - AREA B
1/8" = 1'-0"



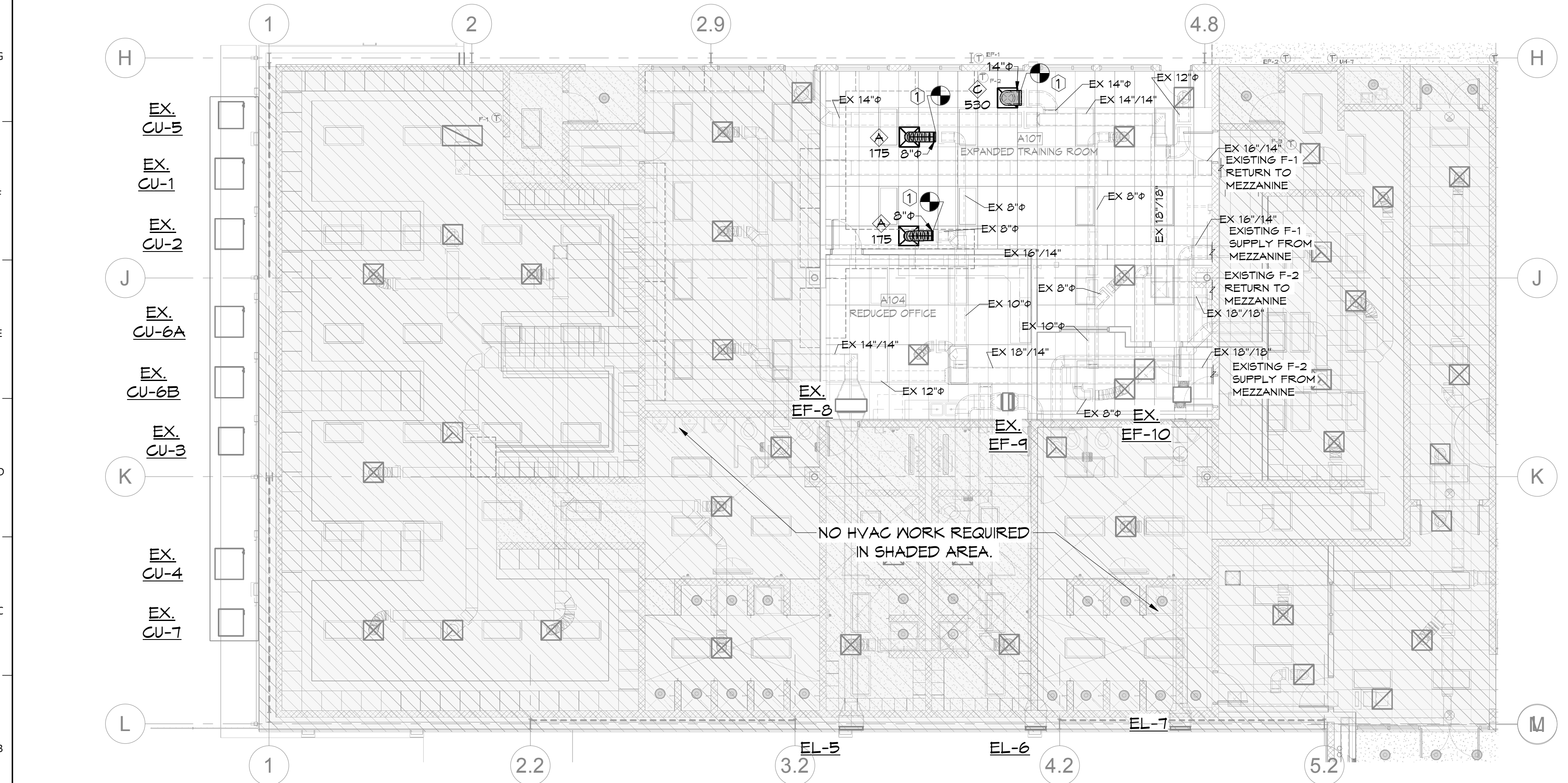
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NOTE:
REFER TO SHEET M1.1 FOR HVAC NOTES, LEGENDS, DETAILS & SCHEDULES.
REFER TO SHEET M2.0 FOR HVAC DEMO PLANS.
REFER TO SHEET M2.1 FOR HVAC PLANS.

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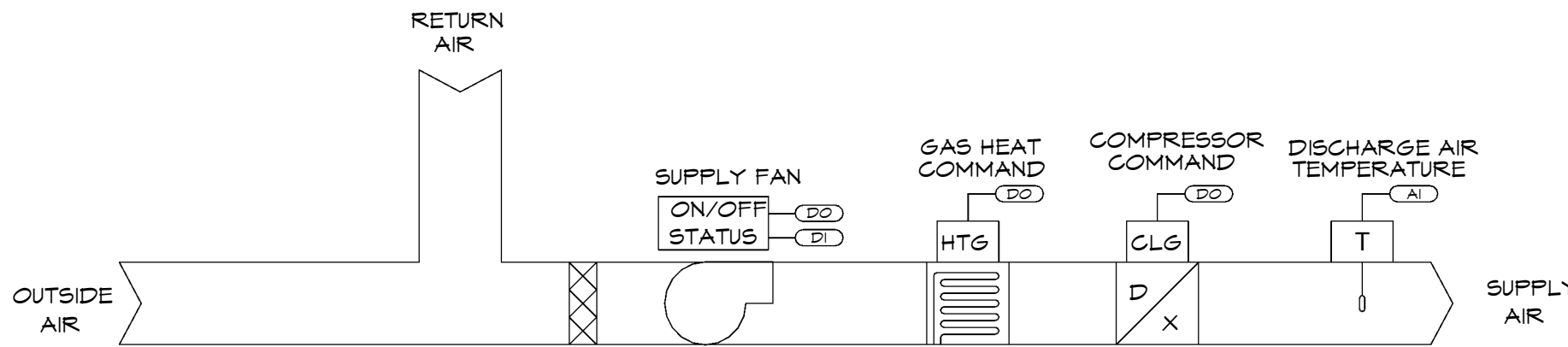
1 OVERALL HVAC PLAN
1/32" = 1'-0"



2 FIRST FLOOR HVAC PLAN - AREA A
1/8" = 1'-0"

HYAC KEYED NOTES

- 1 PROVIDE NEW CONNECTION AND GRILLE TO EXISTING BRANCH DUCT. REBALANCE SYSTEM TO PROVIDE LISTED AIRFLOWS.
- 2 LOCATE THERMOSTAT, CO2 SENSOR OR HUMIDISTAT AS INDICATED WITH THE TOP OF THE THERMOSTAT AT 48 IN. ABOVE FINISHED FLOOR. SEAL ALL THERMOSTAT CONDUITS AT TOP AND BOTTOM OF CONDUIT. PROVIDE INSULATED BACKING FOR MOUNTING THERMOSTATS.



SPLIT SYSTEM FURNACE UNIT SEQUENCE OF OPERATION:

MODE OF OPERATION:
THE UNIT MODE OF OPERATION SHALL BE EITHER OCCUPIED OR UNOCCUPIED BASED ON A BUILDING AUTOMATION SYSTEM (BAS) SCHEDULE, AN OPERATOR OVERRIDE COMMAND FROM THE BAS, OR A TEMPORARY OCCUPANCY OVERRIDE SIGNAL AT THE THERMOSTAT.

OCCUPIED MODE:
THE THERMOSTAT SHALL BE SET FOR DUAL HEATING AND COOLING SETPOINTS. THE INITIAL OCCUPIED HEATING SETPOINT SHALL BE 70°F (ADJ.). THE INITIAL OCCUPIED COOLING SETPOINT SHALL BE 72°F (ADJ.). THE SPACE TEMPERATURE SETPOINT RANGE SHALL BE LIMITED BETWEEN A MINIMUM OF 65°F AND MAXIMUM OF 75°F.

THE SUPPLY FAN SHALL RUN CONTINUOUSLY FOR VENTILATION. THE VENTILATION AIRFLOW RATE SHALL BE SET DURING TEST AND BALANCE.

ON AN INCREASE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT, THE COMPRESSOR SHALL BE COMMANDED ON UNTIL THE SPACE TEMPERATURE HAS REACHED THE OCCUPIED COOLING SETPOINT.

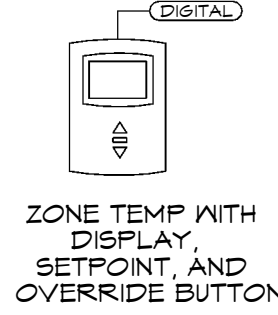
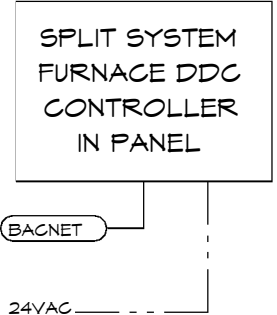
ON A DECREASE IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT, THE FURNACE SHALL BE COMMANDED ON UNTIL THE SPACE TEMPERATURE HAS REACHED THE OCCUPIED HEATING SETPOINT.

UNOCCUPIED MODE:
DURING UNOCCUPIED MODE, THE THE FAN, COMPRESSOR, AND FURNACE SHALL BE COMMANDED OFF.

THE THERMOSTAT SHALL BE EQUIPPED WITH A TEMPORARY OCCUPANCY OVERRIDE FEATURE THAT SHALL OVERRIDE THE SYSTEM INTO OCCUPIED MODE FOR A PERIOD OF 2 HOURS (ADJ.).

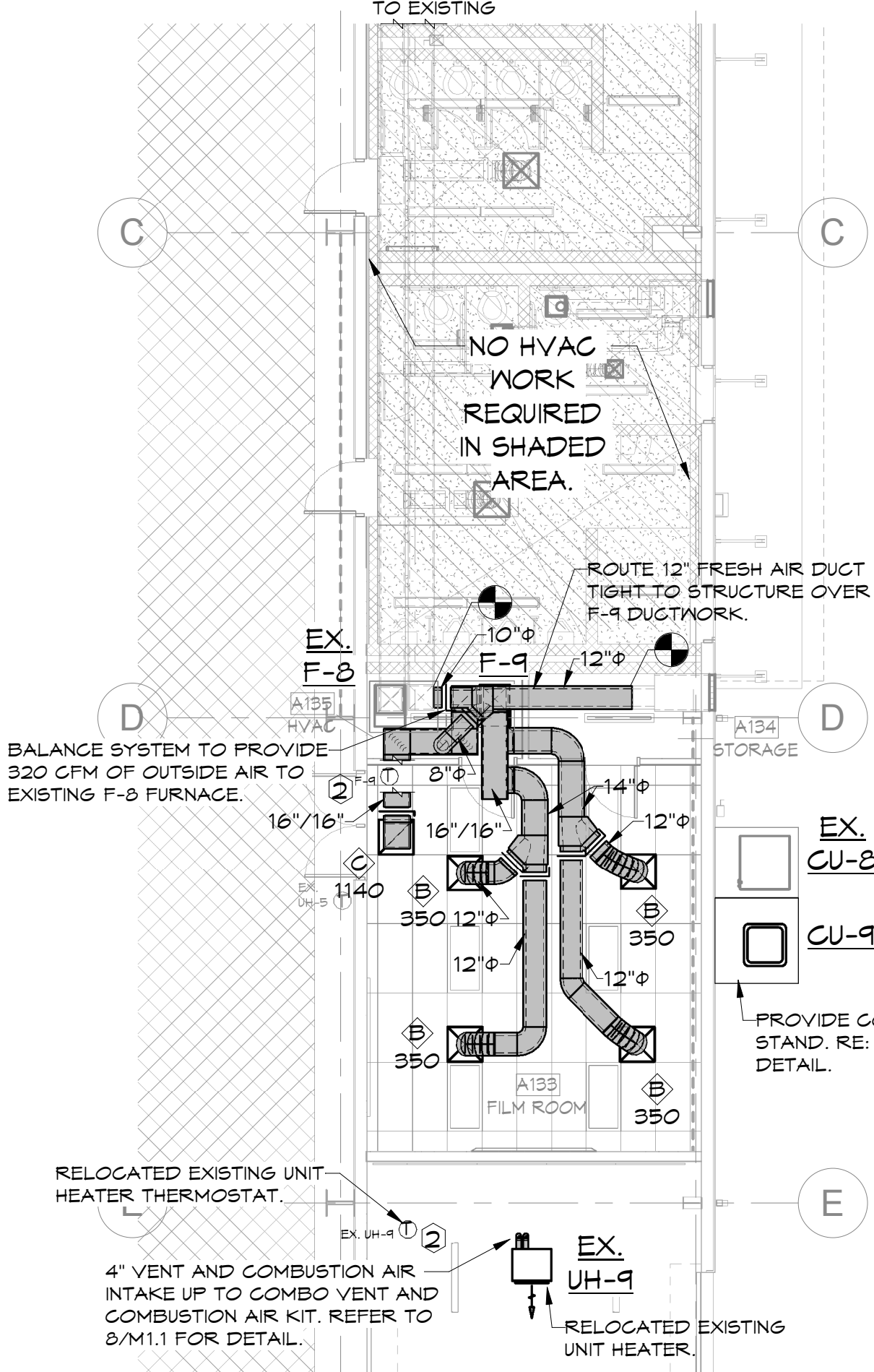
THE INITIAL UNOCCUPIED HEATING AND COOLING SETPOINTS SHALL BE 65°F (ADJ.) AND 78°F (ADJ.). IF THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING SETPOINT OR RISES ABOVE THE UNOCCUPIED COOLING SETPOINT, THE FAN SHALL BE ALLOWED TO RUN, THE COMPRESSOR SHALL BE COMMANDED ON FOR COOLING AS NEEDED, AND THE FURNACE SHALL BE COMMANDED ON FOR HEATING AS NEEDED. THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED DURING UNOCCUPIED OPERATION.

ONCE THE SPACE TEMPERATURE HAS REACHED THE UNOCCUPIED HEATING OR COOLING SETPOINT, THE FAN, COMPRESSOR, AND FURNACE SHALL BE COMMANDED OFF.



CONTACT MATT MAHURIN WITH PRIME BUILDING SOLUTIONS FOR CONTROLS INFORMATION.
EMAIL: MATTM@PRIME-BAS.COM
PHONE: 479.644.2332

4 SPLIT SYSTEM CONTROLS
NTS



3 FIRST FLOOR HVAC PLAN - AREA B
1/8" = 1'-0"

NOTE: REFER TO SHEET M1.1 FOR HVAC NOTES, LEGENDS, DETAILS & SCHEDULES. REFER TO SHEET M2.0 FOR HVAC DEMO PLANS. REFER TO SHEET M2.1 FOR HVAC PLANS.

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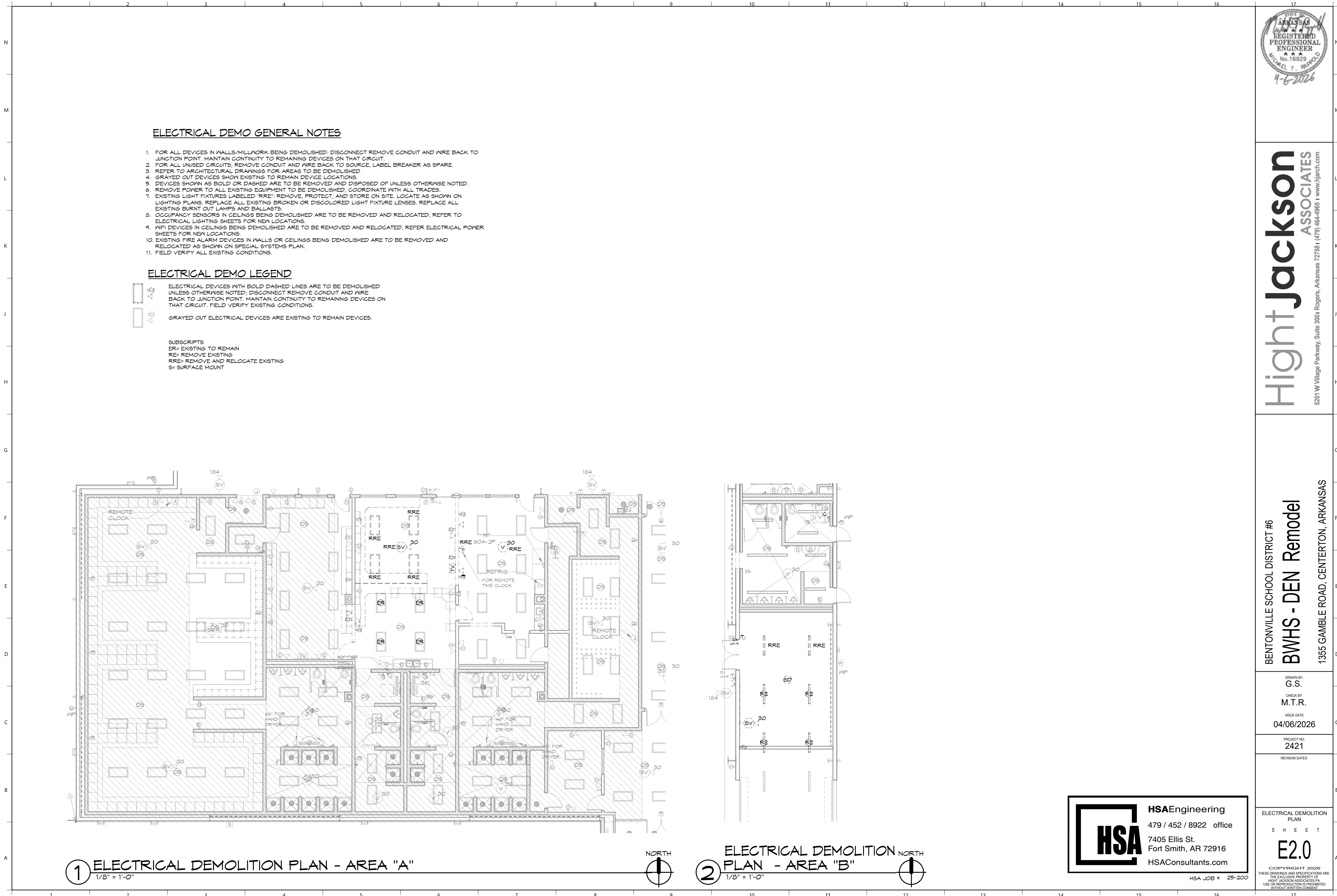
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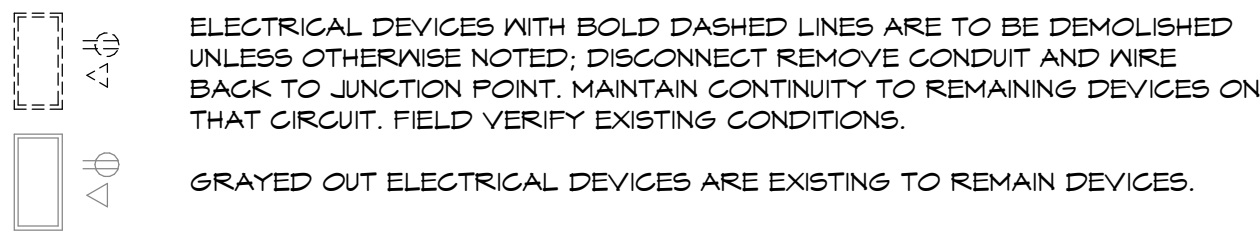
HVAC FLOOR PLAN
SHEET
M2.1
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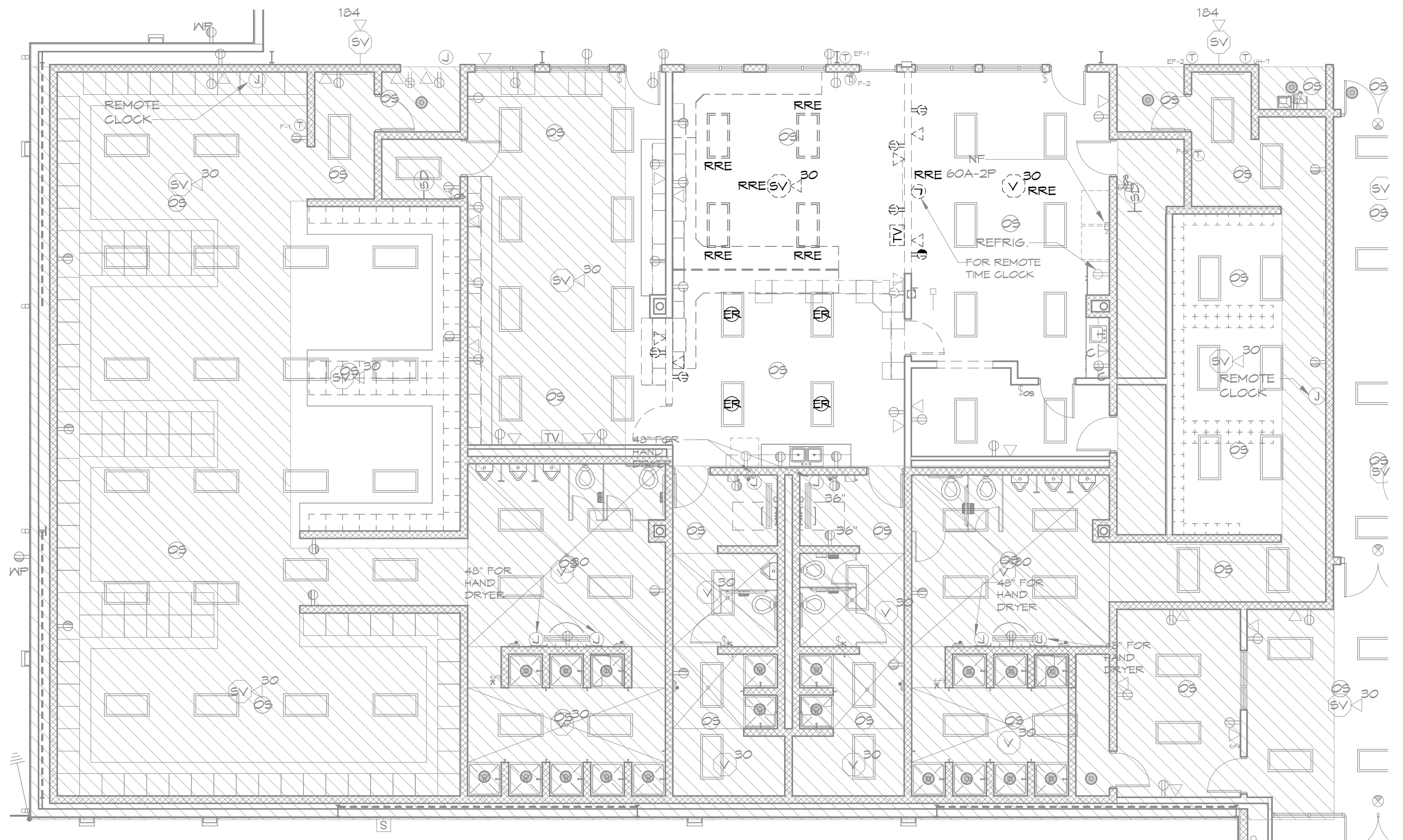
ELECTRICAL DEMO GENERAL NOTES

1. FOR ALL DEVICES IN WALLS/MILLWORK BEING DEMOLISHED: DISCONNECT REMOVE CONDUIT AND WIRE BACK TO JUNCTION POINT. MAINTAIN CONTINUITY TO REMAINING DEVICES ON THAT CIRCUIT.
2. FOR ALL UNUSED CIRCUITS, REMOVE CONDUIT AND WIRE BACK TO SOURCE, LABEL BREAKER AS SPARE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR AREAS TO BE DEMOLISHED
4. GRAYED OUT DEVICES SHOWN EXISTING TO REMAIN DEVICE LOCATIONS
5. DEVICES SHOWN AS BOLD OR DASHED ARE TO BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED.
6. REMOVE POWER TO ALL EXISTING EQUIPMENT TO BE DEMOLISHED, COORDINATE WITH ALL TRADES.
7. EXISTING LIGHT FIXTURES LABELED "RRE": REMOVE, PROTECT, AND STORE ON SITE. LOCATE AS SHOWN ON LIGHTING PLANS. REPLACE ALL EXISTING BROKEN OR DISCOLORED LIGHT FIXTURE LENSES. REPLACE ALL EXISTING BURNT OUT LAMPS AND BALLASTS.
8. OCCUPANCY SENSORS IN CEILINGS BEING DEMOLISHED ARE TO BE REMOVED AND RELOCATED, REFER TO ELECTRICAL LIGHTING SHEETS FOR NEW LOCATIONS.
9. WIFI DEVICES IN CEILINGS BEING DEMOLISHED ARE TO BE REMOVED AND RELOCATED, REFER ELECTRICAL POWER SHEETS FOR NEW LOCATIONS.
10. EXISTING FIRE ALARM DEVICES IN WALLS OR CEILINGS BEING DEMOLISHED ARE TO BE REMOVED AND RELOCATED AS SHOWN ON SPECIAL SYSTEMS PLAN.
11. FIELD VERIFY ALL EXISTING CONDITIONS.

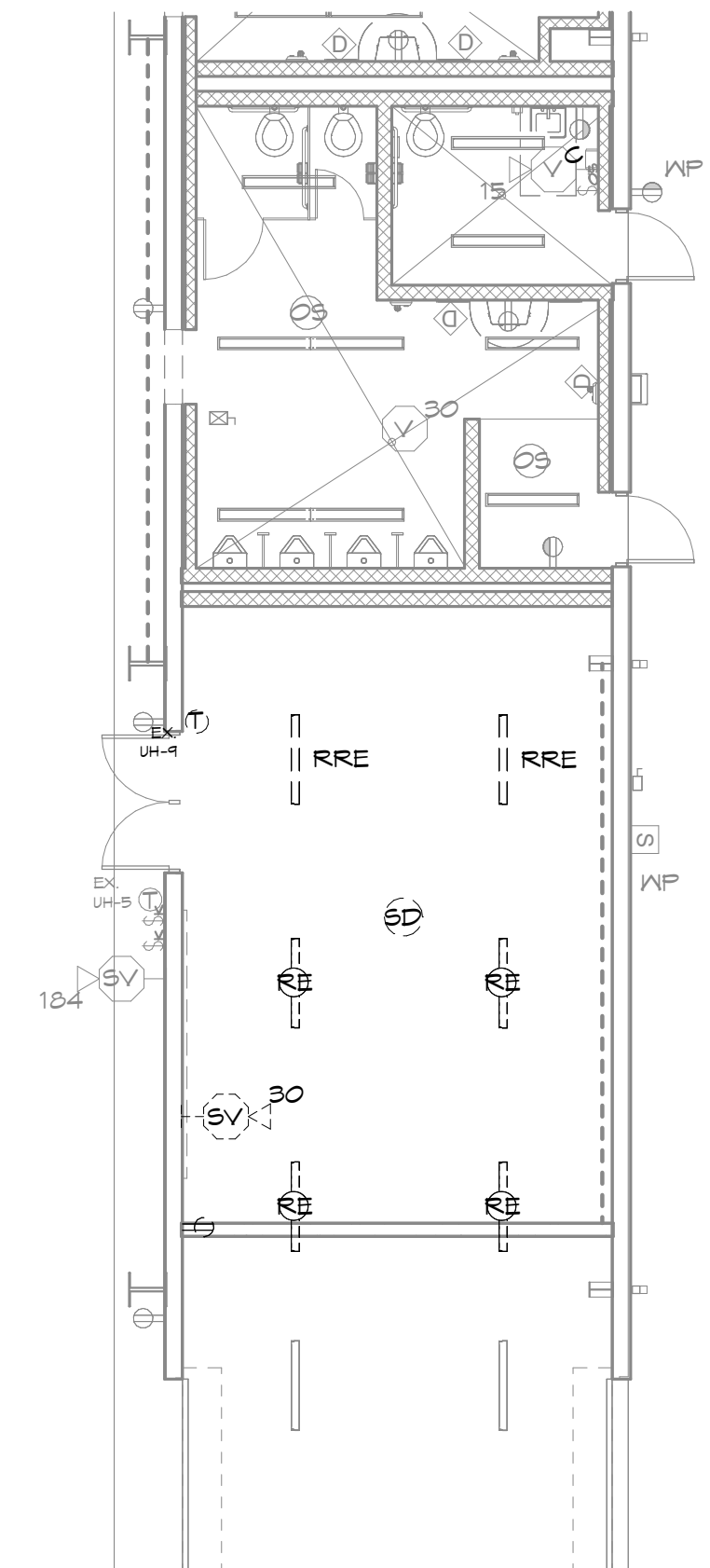
ELECTRICAL DEMO LEGEND



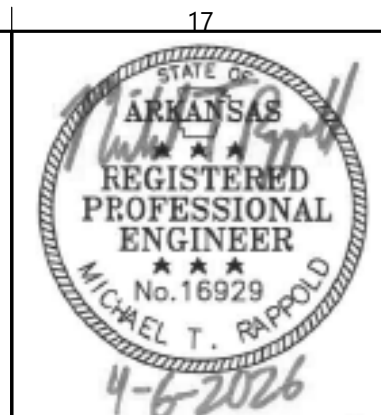
SUBSCRIPTS
ER= EXISTING TO REMAIN
RE= REMOVE EXISTING
RRE= REMOVE AND RELOCATE EXISTING
S= SURFACE MOUNT



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



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



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ELECTRICAL DEMOLITION
PLAN
S H E E T
E2.0
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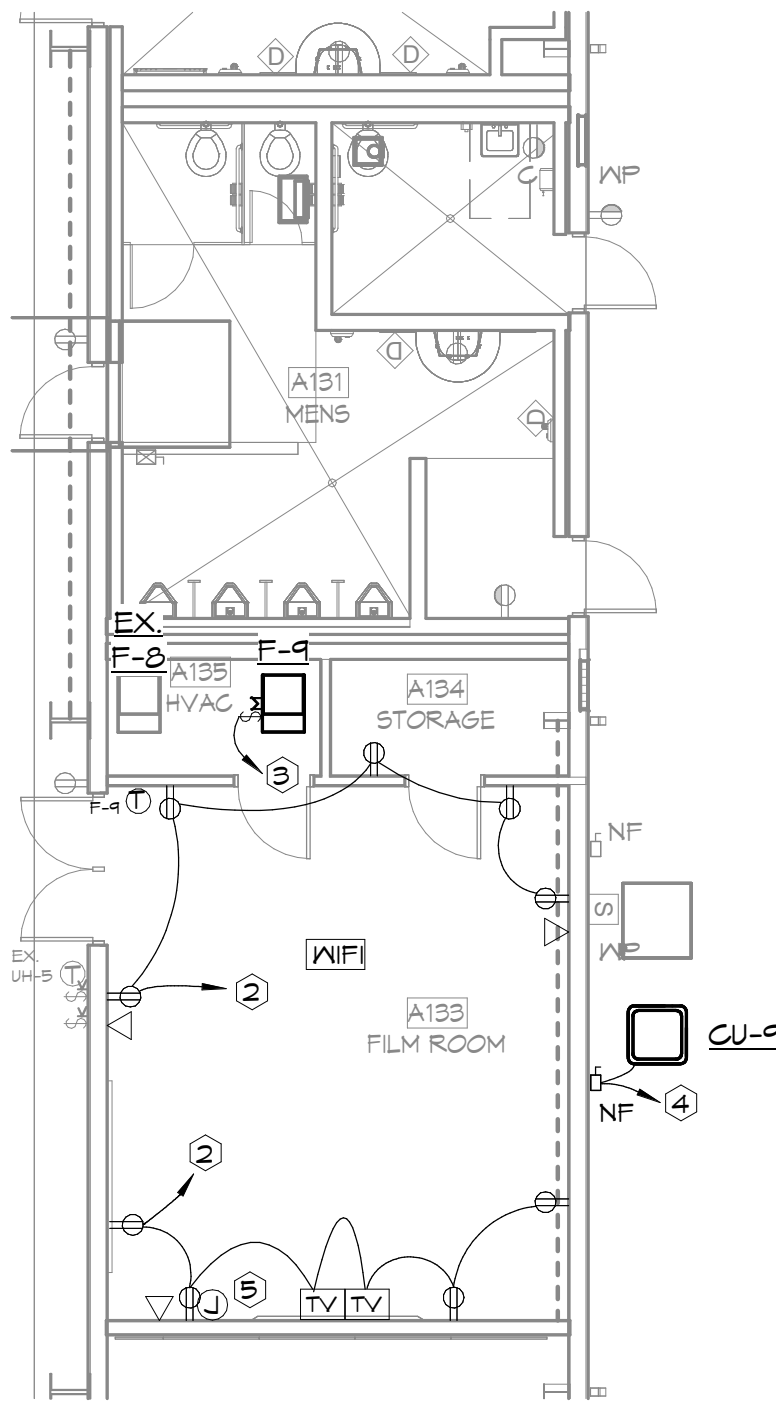
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GENERAL POWER NOTES

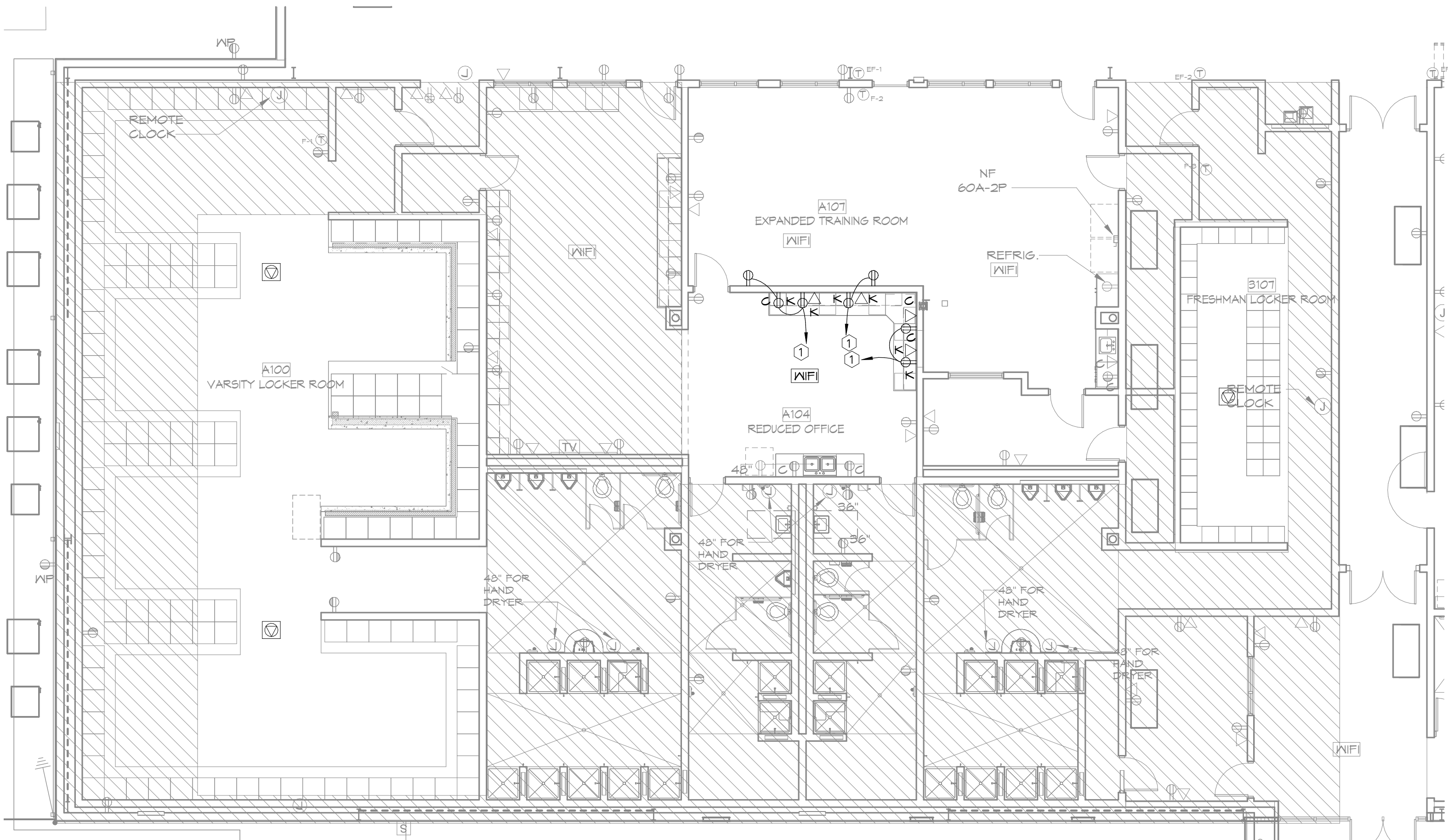
1. GRAYED OUT DEVICES SHOWN EXISTING TO REMAIN DEVICE LOCATIONS.
2. NEW DEVICES INSTALLED IN EXISTING CONCRETE BLOCK WALLS ARE TO BE INSTALLED VIA MC CABLE AND FLEXIBLE CONDUIT.

KEYED POWER NOTES

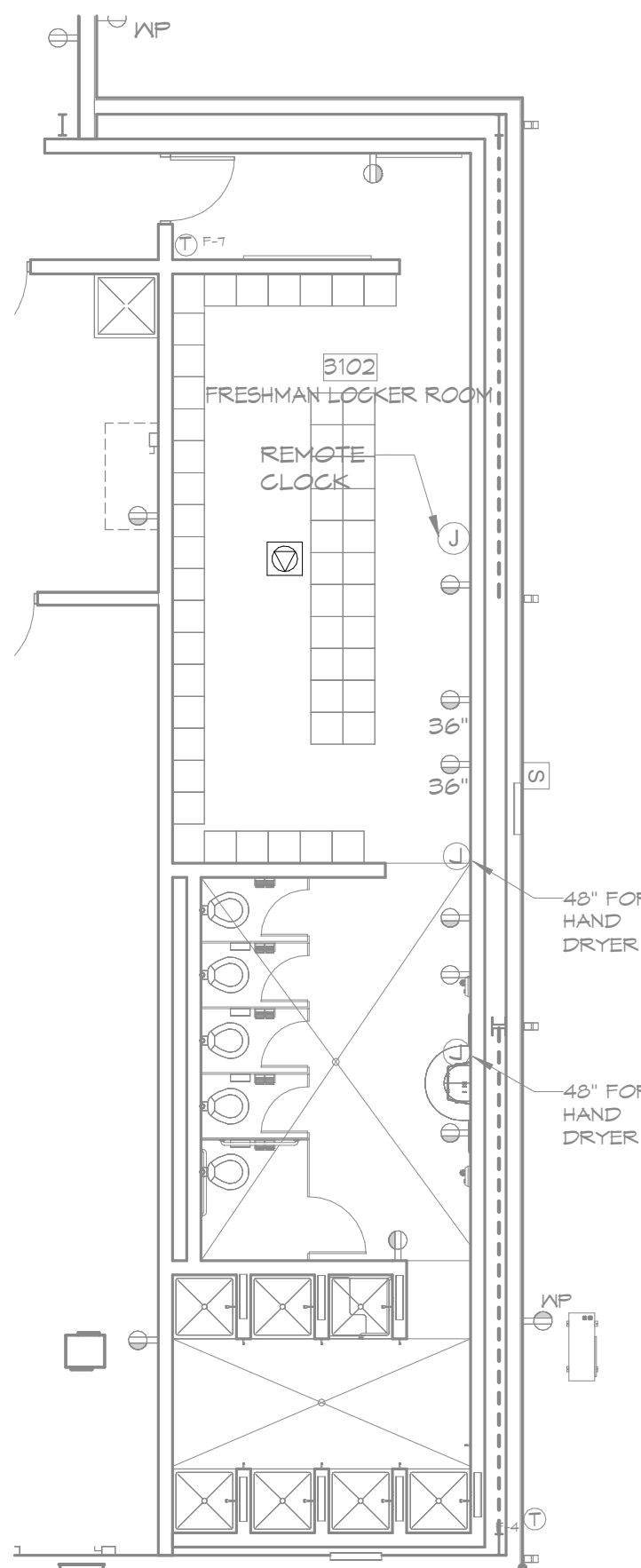
- ① CIRCUIT FROM EXISTING PANEL LFHA1 PROVIDE 20 AMP SINGLE POLE BREAKER TO MATCH EXISTING PANEL. REQUIRES 2-#10, 1-#10 GRD, 3/4" CONDUIT. FIELD VERIFY EXISTING CONDITIONS.
- ② CIRCUIT FROM EXISTING PANEL LFHB1 PROVIDE 20 AMP SINGLE POLE BREAKER TO MATCH EXISTING PANEL. REQUIRES 2-#10, 1-#10 GRD, 3/4" CONDUIT. FIELD VERIFY EXISTING CONDITIONS.
- ③ CIRCUIT FROM EXISTING PANEL LFHB1 PROVIDE 25 AMP SINGLE POLE BREAKER TO MATCH EXISTING PANEL. REQUIRES 2-#10, 1-#10 GRD, 3/4" CONDUIT. FIELD VERIFY EXISTING CONDITIONS.
- ④ CIRCUIT FROM EXISTING PANEL LFHB1 PROVIDE 30 AMP TWO POLE BREAKER TO MATCH EXISTING PANEL. REQUIRES 3-#8, 1-#10 GRD, 3/4" CONDUIT. FIELD VERIFY EXISTING CONDITIONS.
- ⑤ JUNCTION BOX AT 18" A.F.F. FROM JUNCTION BOX STUB ONE 1" CONDUIT INTO THE TV BOX MOUNTED ABOVE FOR CONNECTION TO MONITOR.



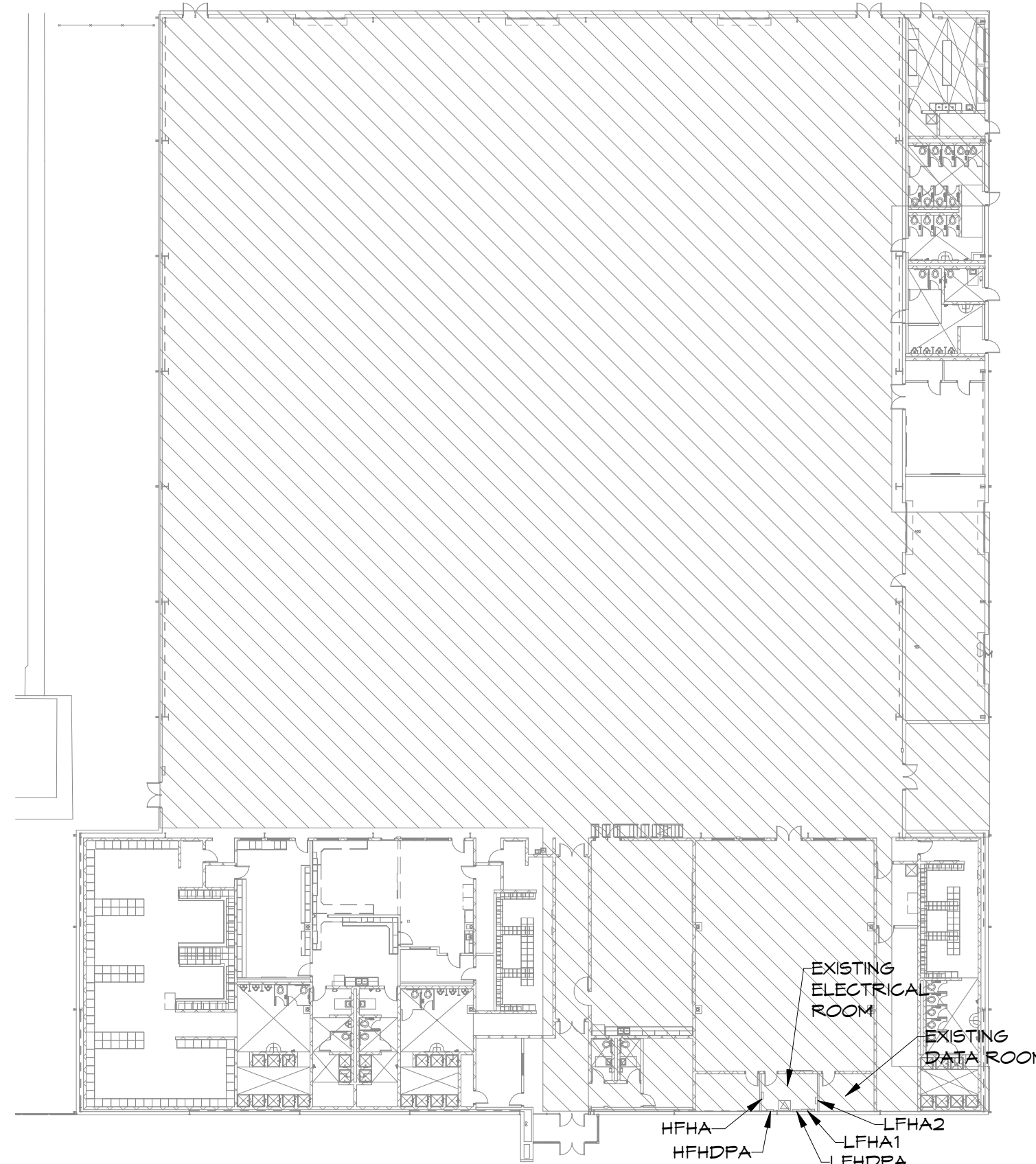
② POWER PLAN - AREA "B"
1/8" = 1'-0"



① POWER PLAN - AREA "A"
1/8" = 1'-0"



③ POWER PLAN - AREA "B"
1/8" = 1'-0"



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POWER PLAN
SHEET
E.2.2

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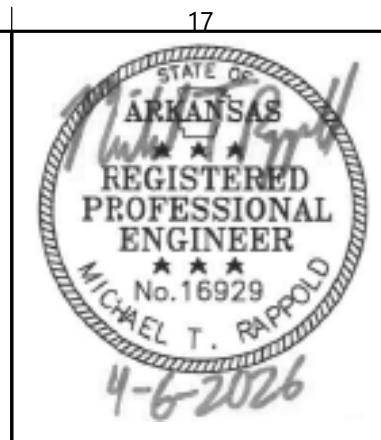
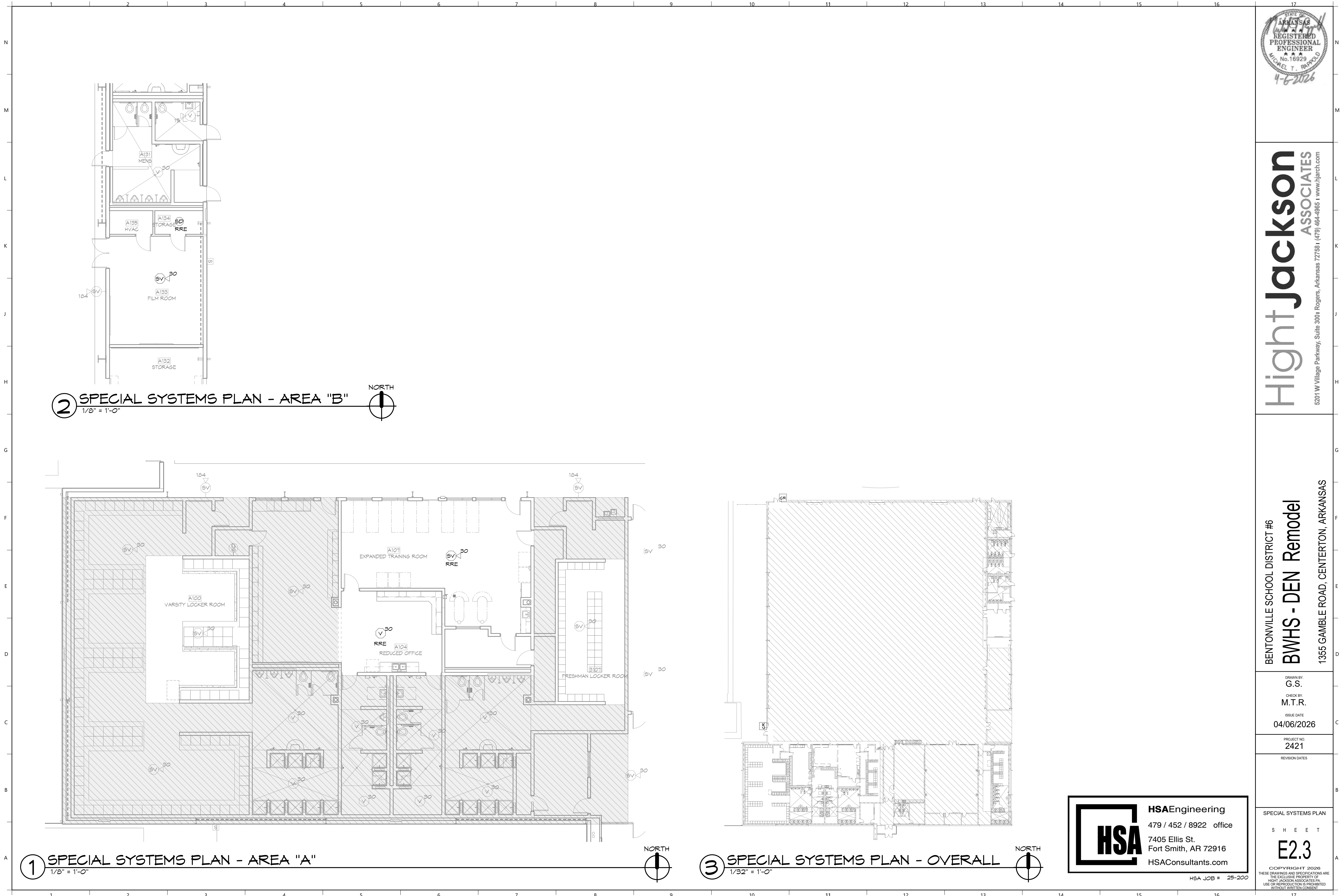
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POWER PLAN
SHEET
E.2.2

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 16929
MICHAEL T. RAPOD
4-6-2026



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SPECIAL SYSTEMS PLAN
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