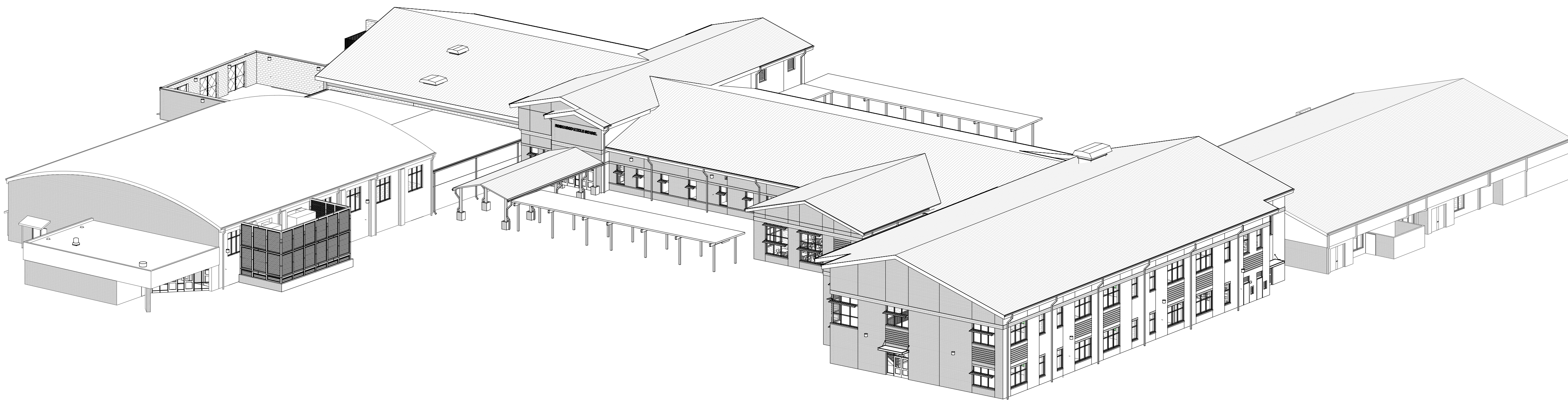


# Rosewood Middle School Addition and Renovation

Wayne County Public Schools  
541 North Carolina 581 S, Goldsboro, NC 27530



## VOLUME 1

### VICINITY MAP

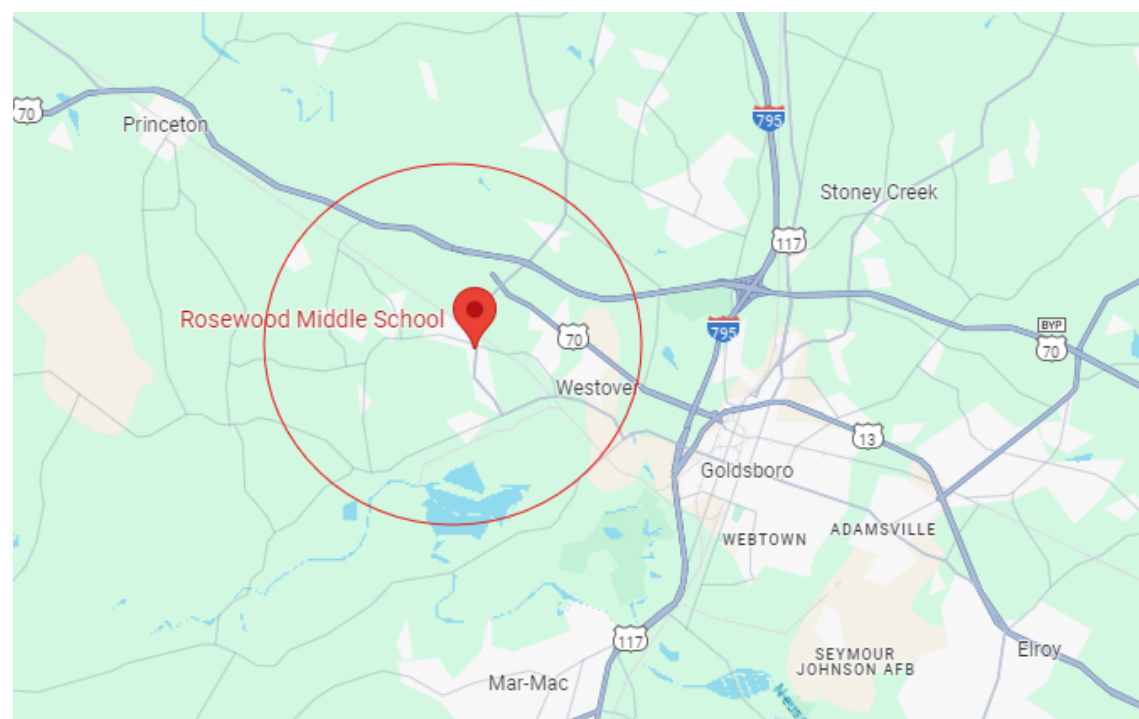


IMAGE REPRINTED FROM GOOGLE MAPS

### DESIGN TEAM

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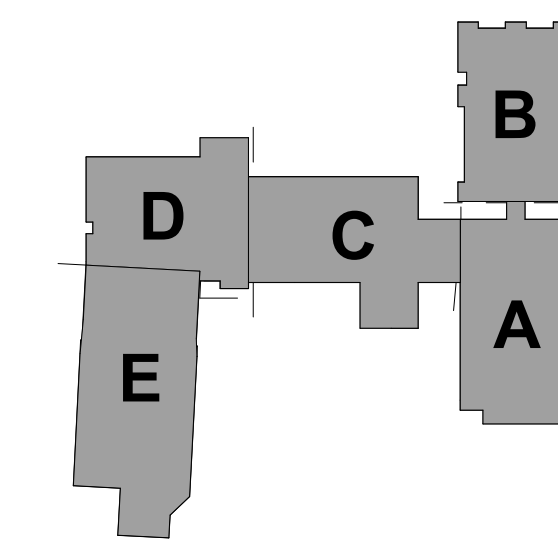
M00.01 MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES  
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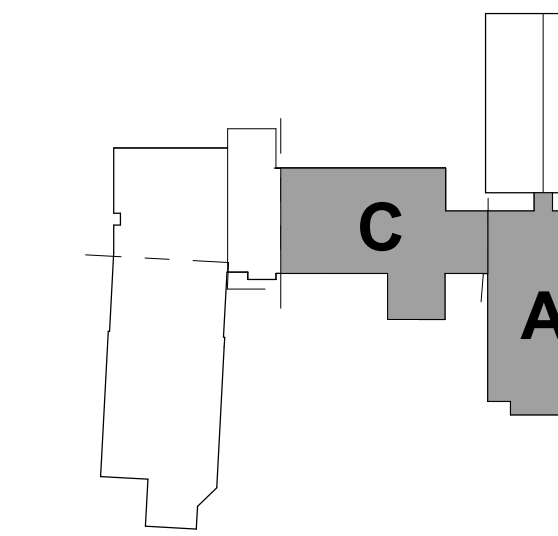
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### DRAWING AREA DIAGRAMS



#### KEY PLAN-1ST FLOOR

NTS



#### KEY PLAN - 2ND FLOOR

NTS

#### SEALS



#### DKA JOB NUMBER

2401

#### REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2/3/2025

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PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: SCOTT KRABATH  
Plot Date: 1/31/2025 3:33:30 PM

#### DATE ISSUED

BID DOCUMENTS

01/10/2025

#### SHEET TITLE

COVER SHEET

G000

## BID DOCUMENTS







# WAYNE COUNTY PUBLIC SCHOOLS

## ROSEWOOD MIDDLE SCHOOL ADDITION



**CLH DESIGN, P.A.**  
400 Regency Forest Drive  
Suite 120  
Cary, North Carolina 27518  
Phone: (919)319-6718  
Fax: (919)319-7518  
LA: C-106, PE: C-1595

**BID SET**  
(ISSUED JANUARY 10, 2025)  
**ADDENDUM #1**  
FEBRUARY 3, 2025

### SITE DATA:

PROJECT: ROSEWOOD MIDDLE SCHOOL ADDITION  
OWNER: WAYNE COUNTY PUBLIC SCHOOLS  
OWNER CONTACT: DR. TIM HARBELL  
2001 E. ROYALL AVE.  
GOLDSBORO, NC 27534  
PHONE: 919-705-6192

LANDSCAPE ARCHITECT/CIVIL ENGINEER: CLH DESIGN, P.A.  
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PHONE: 919-443-4073

ARCHITECT: DAVIS KANE ARCHITECTS, P.A.  
DESIGNER CONTACT: BETH KING - AIA  
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RALEIGH, NC 27605  
PHONE: 919-719-2811

PROJECT ADDRESS: 541 NORTH CAROLINA 581 S  
GOLDSBORO, NC 27530

PK: 2670674264

ZONING: RESIDENTIAL/ AGRICULTURAL- RA-20

EXISTING USE: PUBLIC SCHOOL

PROPOSED USE: PUBLIC SCHOOL

TRACT AREA: 12.87 ACRES

DISTURBED AREA: 6 ACRES

BUILDING CFA: 90,600sf- ALL BID ALTERNATES ACCEPTED

BUILDING HEIGHT PERMITTED: 35'

BUILDING SETBACKS: FRONT 40', SIDE 20', REAR 25'

CONSTRUCTION TYPE: II-B

PROPOSED SEWER FLOW: 10,800 GPD

PROPOSED FIRE FLOW: 1,563 GPM

PROPOSED IMPERVIOUS SURFACE AREA: TOTAL PRE-DEVELOPMENT: 170,113 SF (3.91 AC)  
TOTAL POST DEVELOPMENT: 188,861 SF (4.34 AC)

PARKING REQUIRED: 1 SPACE PER CLASSROOM  
28 CLASSROOMS (BASE BID) = 28 SPACES REQUIRED  
36 CLASSROOMS (ALTERNATE BID) = 36 SPACES REQUIRED

PARKING PROVIDED: 73 TOTAL SPACES

TOTAL H/C SPACES REQ'D: BUS DROP OFF/ PICK UP: 19 SPACES TOTAL, 1 H/C SPACES REQUIRED  
PARENT DROP OFF/ PICK UP: 54 SPACES TOTAL, 3 H/C SPACES REQUIRED

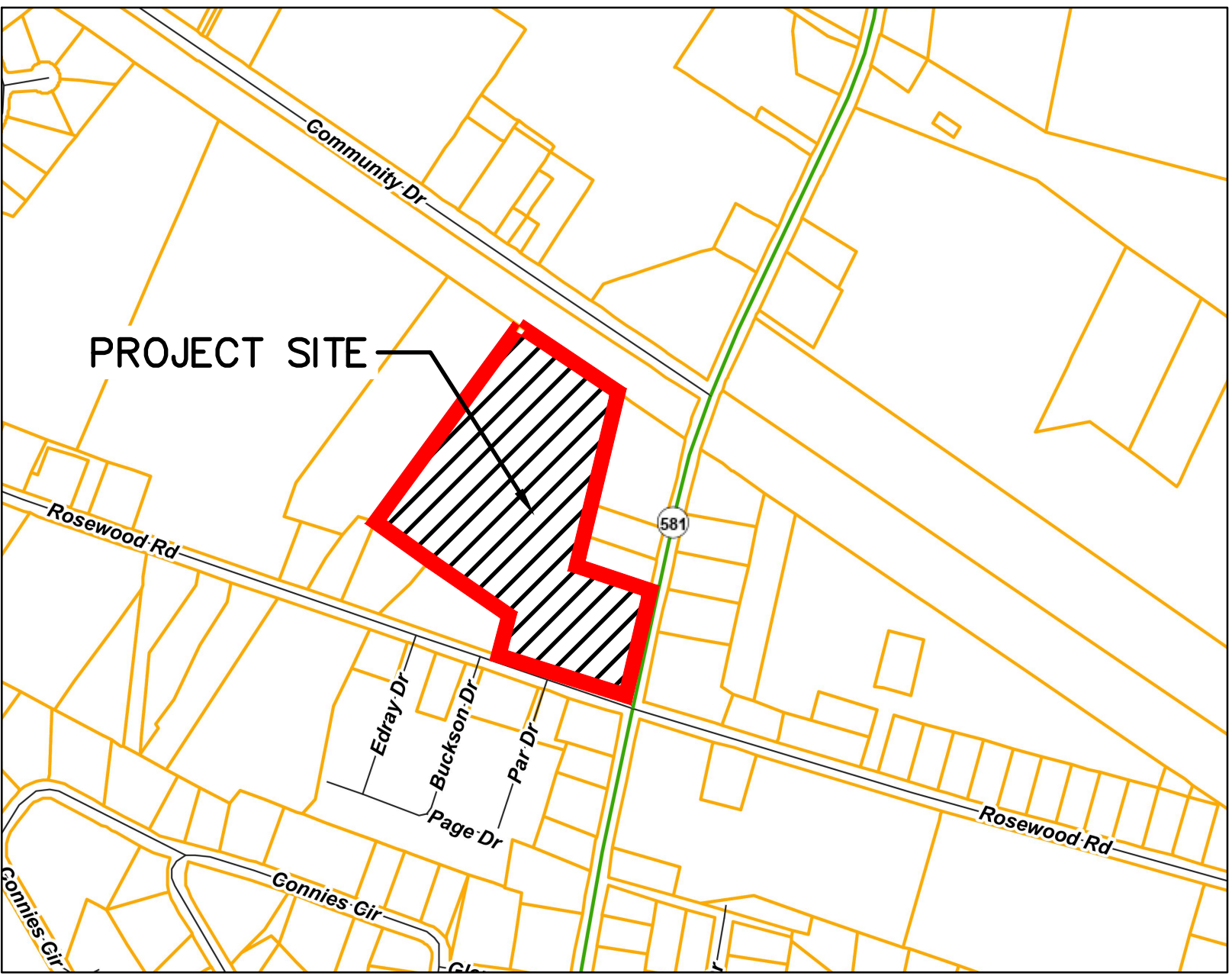
TOTAL H/C SPACES PROVIDED: BUS DROP OFF/ PICK UP: 1 SPACE PROVIDED  
PARENT DROP OFF/ PICK UP: 3 H/C SPACES PROVIDED

### SHEET INDEX:

SITE- CIVIL

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C-0.01 OVERALL SITE PLAN  
C-1.01 STAKING PLAN  
C-1.02 PAVEMENT MARKING PLAN  
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C-9.01 UTILITY & STORM DRAINAGE DETAILS

### VICINITY MAP



SCALE - 1 IN. = 500 FT.



WAYNE COUNTY PUBLIC SCHOOLS  
ROSEWOOD MIDDLE SCHOOL ADDITION

541 NORTH CAROLINA 581 S  
GOLDSBORO, NC 27530

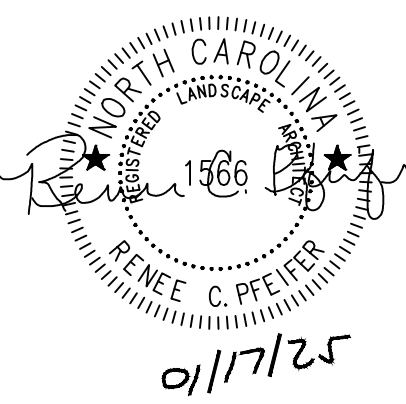


PROJECT INFORMATION

**ROSEWOOD MIDDLE SCHOOL ADDITION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27550

SEALS



DKA JOB NUMBER  
2401

REVISIONS	
1	ADDENDUM #1 2/3/2025

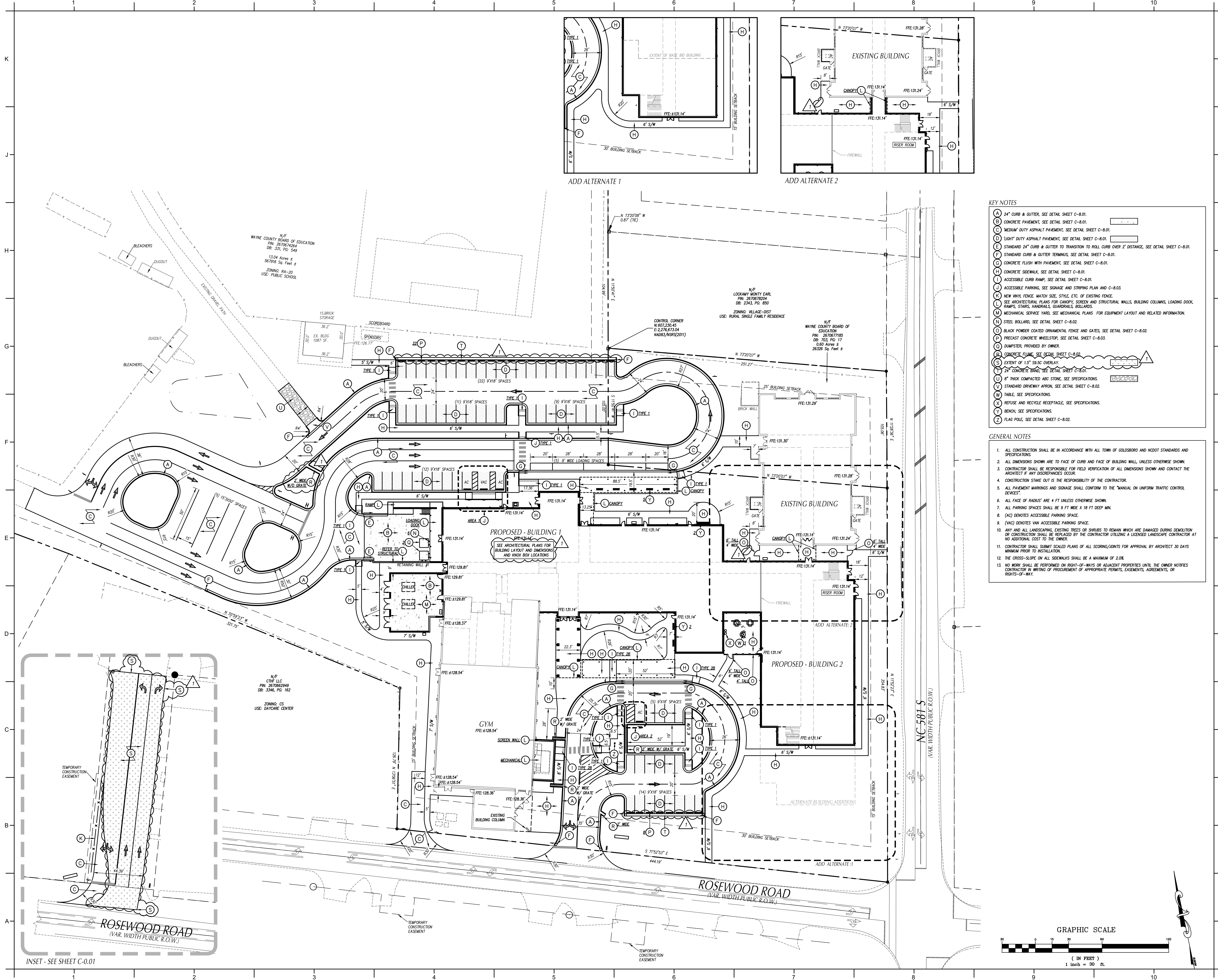
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PA: RENEE PFEIFER  
PM: RW  
Drawn By: PH  
Plot Date: 01/08/2025

DATE ISSUED  
BID DOCUMENTS  
01/10/2025

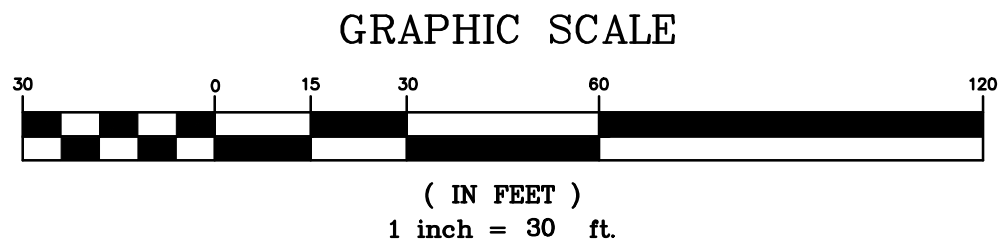
SHEET TITLE  
STAKING PLAN

**C-1.01**



- KEY NOTES**
- (A) 24" CURB & GUTTER, SEE DETAIL SHEET C-8.01.
  - (B) CONCRETE PAVEMENT, SEE DETAIL SHEET C-8.01.
  - (C) MEDIUM DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C-8.01.
  - (D) LIGHT DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C-8.01.
  - (E) STANDARD 24" CURB & GUTTER TO TRANSITION TO ROLL CURB OVER 2' DISTANCE, SEE DETAIL SHEET C-8.01.
  - (F) STANDARD CURB & GUTTER TERMINUS, SEE DETAIL SHEET C-8.01.
  - (G) CONCRETE FLUSH WITH PAVEMENT, SEE DETAIL SHEET C-8.01.
  - (H) CONCRETE SIDEWALK, SEE DETAIL SHEET C-8.01.
  - (I) ACCESSIBLE CURB RAMP, SEE DETAIL SHEET C-8.01.
  - (J) ACCESSIBLE PARKING, SEE SIGNAGE AND STRIPING PLAN AND C-8.03.
  - (K) NEW VINYL FENCE, MATCH SIZE, STYLE, ETC. OF EXISTING FENCE.
  - (L) SEE ARCHITECTURAL PLANS FOR CANOPY, SCREEN AND STRUCTURAL WALLS, BUILDING COLUMNS, LOADING DOCK, RAMPS, STAIRS, HANDRAILS, GUARDRAILS, BOLLARDS.
  - (M) MECHANICAL SERVICE YARD, SEE MECHANICAL PLANS FOR EQUIPMENT LAYOUT AND RELATED INFORMATION.
  - (N) STEEL BOLLARD, SEE DETAIL SHEET C-8.02.
  - (O) BLACK POWDER COATED ORNAMENTAL FENCE AND GATES, SEE DETAIL SHEET C-8.02.
  - (P) PRECAST CONCRETE WHEELSTOP, SEE DETAIL SHEET C-8.03.
  - (Q) DUMPSTER, PROVIDED BY OWNER.
  - (R) CONCRETE FLUME, SEE DETAIL SHEET C-8.02.
  - (S) EXTENT OF 1.5" 59.5C OVERLAY.
  - (T) 24" CONCRETE BAND, SEE DETAIL SHEET C-8.01.
  - (U) 8" THICK COMPACTED ABC STONE, SEE SPECIFICATIONS.
  - (V) STANDARD DRIVEWAY APRON, SEE DETAIL SHEET C-8.02.
  - (W) TABLE, SEE SPECIFICATIONS.
  - (X) REFUSE AND RECYCLE RECEPTACLE, SEE SPECIFICATIONS.
  - (Y) BENCH, SEE SPECIFICATIONS.
  - (Z) FLAG POLE, SEE DETAIL SHEET C-8.02.

- GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF GOLDSBORO AND NCDOT STANDARDS AND SPECIFICATIONS.
  - ALL DIMENSIONS SHOWN ARE TO FACE OF CURB AND FACE OF BUILDING WALL, UNLESS OTHERWISE SHOWN.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS SHOWN AND CONTACT THE ARCHITECT IF ANY DISCREPANCIES OCCUR.
  - CONSTRUCTION STAKE OUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
  - ALL FACE OF "RADIUS" ARE 4 FT UNLESS OTHERWISE SHOWN.
  - ALL PARKING SPACES SHALL BE 9 FT WIDE X 18 FT DEEP MIN.
  - (AC) DENOTES ACCESSIBLE PARKING SPACE.
  - (VAC) DENOTES VAN ACCESSIBLE PARKING SPACE.
  - ANY AND ALL LANDSCAPING, EXISTING TREES OR SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
  - CONTRACTOR SHALL SUBMIT SCALED PLANS OF ALL SCORING/JOINTS FOR APPROVAL BY ARCHITECT 30 DAYS MINIMUM PRIOR TO INSTALLATION.
  - THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MAXIMUM OF 2.0%.
  - NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.



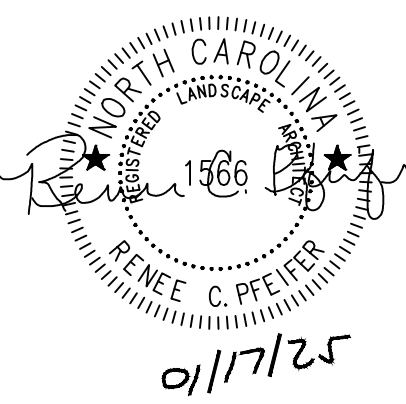


PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER  
2401

REVISIONS	
1	ADDENDUM #1 2/3/2025

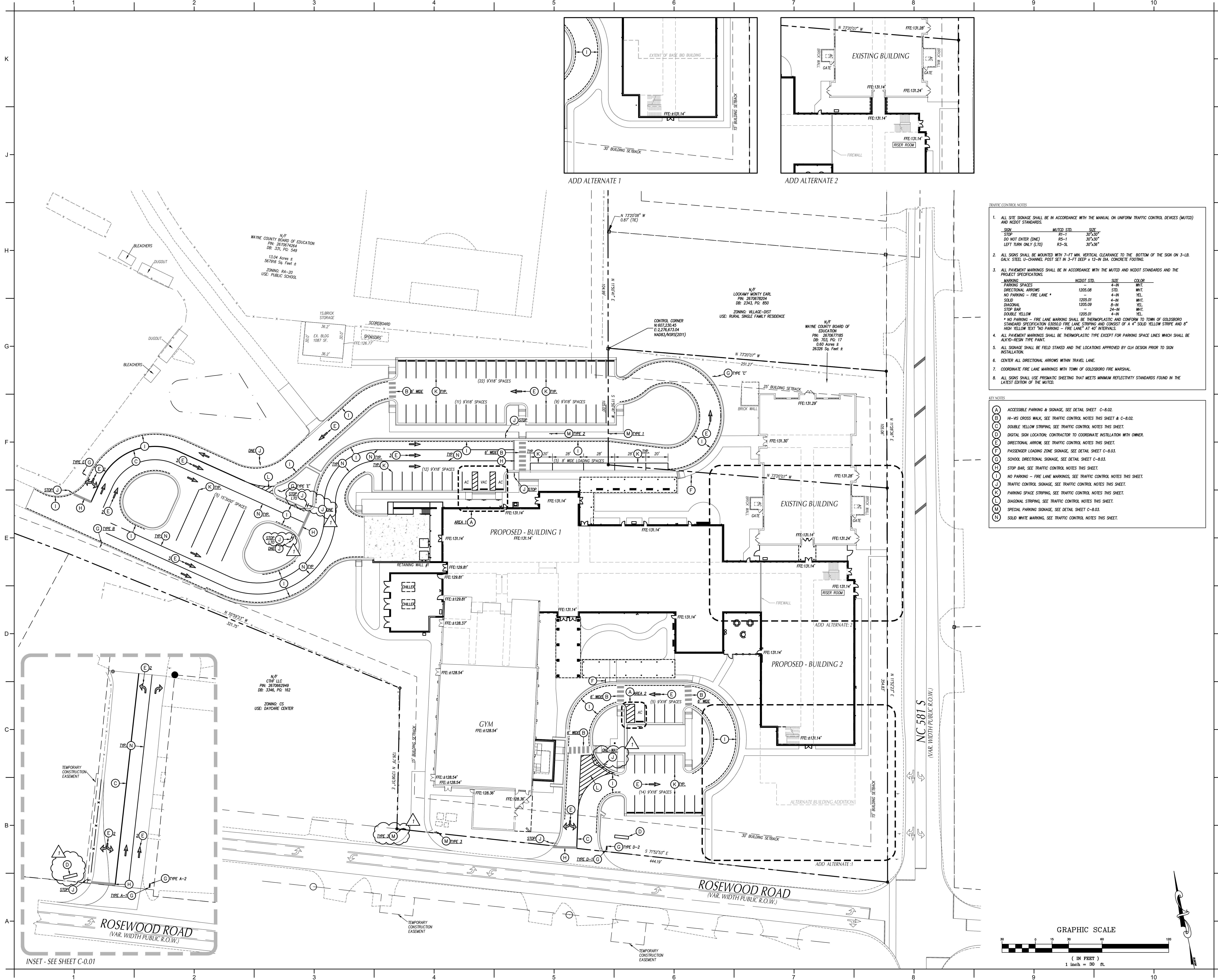
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PA: RENEE PFEIFER  
PM: RW  
Drawn By: PH  
Plot Date: 01/08/2025

DATE ISSUED  
BID DOCUMENTS  
01/10/2025

SHEET TITLE  
PAVEMENT MARKING  
PLAN

C-1.02



TRAFFIC CONTROL NOTES

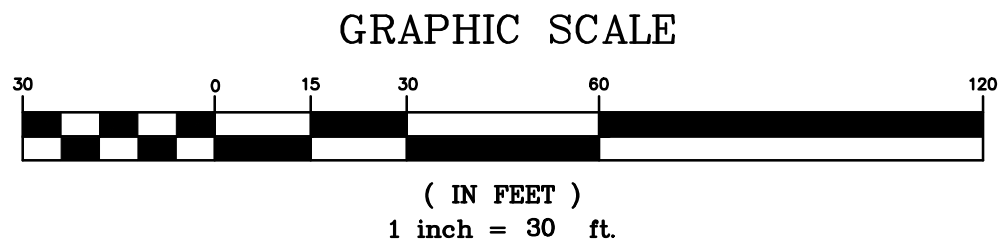
- ALL SITE SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NC DOT STANDARDS.
- ALL SIGNS SHALL BE MOUNTED WITH 7'-FT MIN. VERTICAL CLEARANCE TO THE BOTTOM OF THE SIGN ON 3-LB. GALV. STEEL U-CHANNEL POST SET IN 3'-FT DEEP x 12-IN DIA. CONCRETE FOOTING.
- ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND NC DOT STANDARDS AND THE PROJECT SPECIFICATIONS.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC TYPE EXCEPT FOR PARKING SPACE LINES WHICH SHALL BE ALKID-RESIN TYPE PAINT.
- ALL SIGNS SHALL BE FIELD STAKED AND THE LOCATIONS APPROVED BY CLH DESIGN PRIOR TO SIGN INSTALLATION.
- CENTER ALL DIRECTIONAL ARROWS WITHIN TRAVEL LANE.
- COORDINATE FIRE LANE MARKINGS WITH TOWN OF GOLDSBORO FIRE MARSHAL.
- ALL SIGNS SHALL USE PRISMATIC SHEETING THAT MEETS MINIMUM REFLECTIVITY STANDARDS FOUND IN THE LATEST EDITION OF THE MUTCD.

MARKING	MUTCD STD.	SIZE	COLOR
PARKING SPACES	1205.08	4'-IN	WHY.
DIRECTIONAL ARROWS	1205.08	4'-IN	WHY.
NO PARKING - FIRE LANE *	1205.01	4'-IN	YEL.
SOLID	1205.09	4'-IN	WHY.
DIAGONAL	1205.09	8'-IN	YEL.
STOP BAR	1205.01	24'-IN	WHY.
DOUBLE YELLOW	1205.01	4'-IN	YEL.

\* NO PARKING - FIRE LANE MARKING SHALL BE THERMOPLASTIC AND CONFORM TO TOWN OF GOLDSBORO STANDARD SPECIFICATION 03050.0 FIRE LANE STRIPING AND CONSIST OF A 4" SOLID YELLOW STRIPE AND 8" HIGH YELLOW TEXT "NO PARKING - FIRE LANE" AT 40' INTERVALS.

KEY NOTES

(A)	ACCESSIBLE PARKING & SIGNAGE, SEE DETAIL SHEET C-8.02.
(B)	H-WIS CROSS WALK, SEE TRAFFIC CONTROL NOTES THIS SHEET & C-8.02.
(C)	DOUBLE YELLOW STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(D)	DIGITAL SIGN LOCATION, CONTRACTOR TO COORDINATE INSTALLATION WITH OWNER.
(E)	DIRECTIONAL ARROW, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(F)	PASSENGER LOADING ZONE SIGNAGE, SEE DETAIL SHEET C-8.03.
(G)	SCHOOL DIRECTIONAL SIGNAGE, SEE DETAIL SHEET C-8.03.
(H)	STOP BAR, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(I)	NO PARKING - FIRE LANE MARKINGS, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(J)	TRAFFIC CONTROL SIGNAGE, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(K)	PARKING SPACE STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(L)	DIAGONAL STRIPING, SEE TRAFFIC CONTROL NOTES THIS SHEET.
(M)	SPECIAL PARKING SIGNAGE, SEE DETAIL SHEET C-8.03.
(N)	SOLID WHITE MARKING, SEE TRAFFIC CONTROL NOTES THIS SHEET.



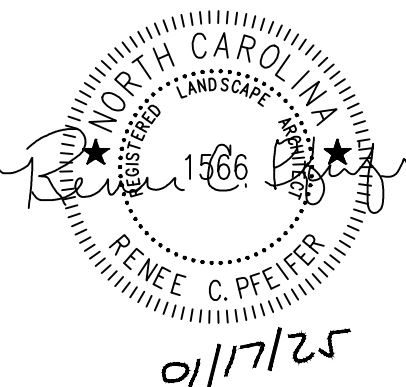


PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27550

SEALS



DKA JOB NUMBER  
2401

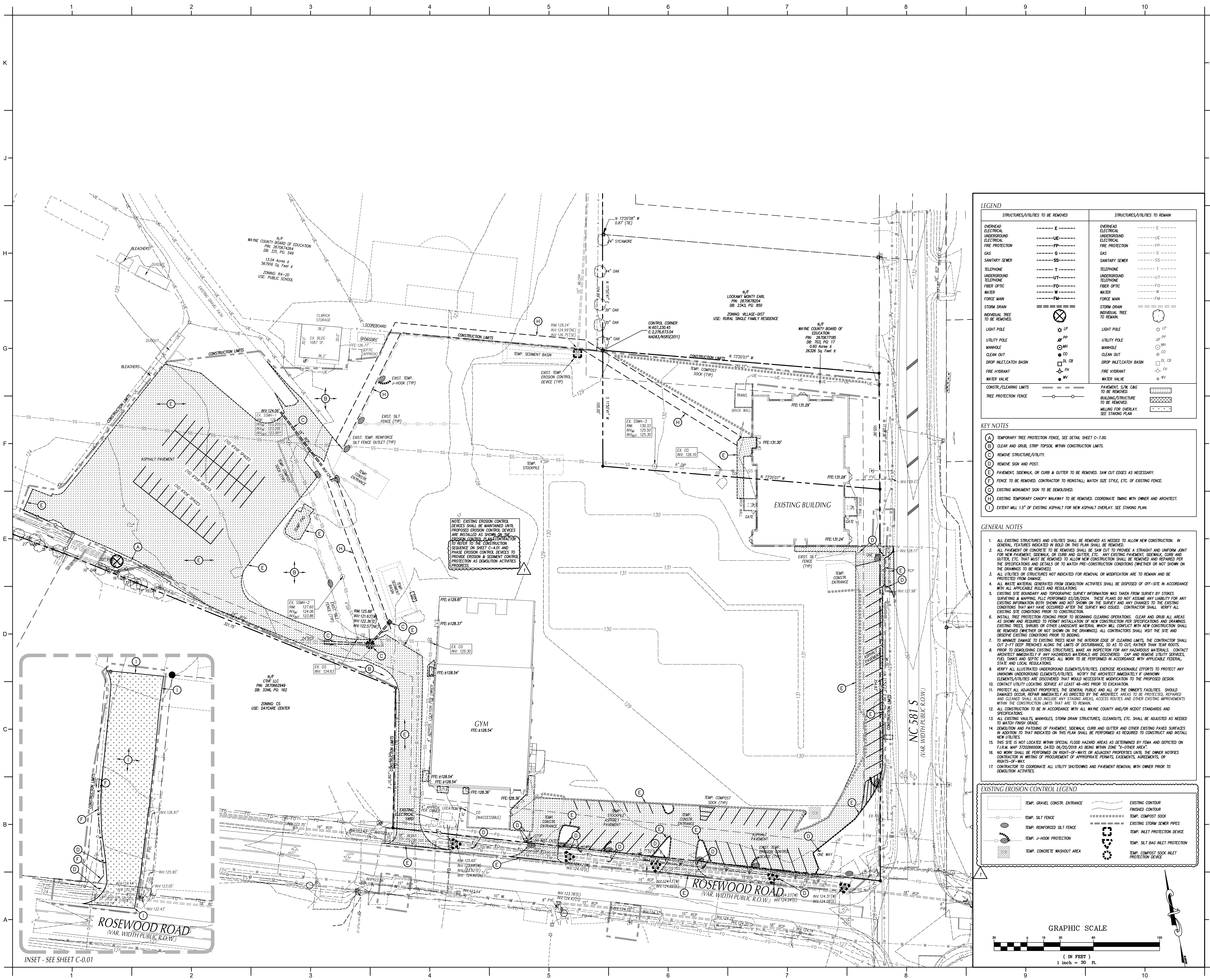
REVISIONS	
1	ADDENDUM # 2/3/2025

PA: RENE C. PFEIFER  
PM: RW  
Drawn By: PH  
Plot Date: 01/08/2025

DATE ISSUED  
BID DOCUMENTS  
01/10/2025

SHEET TITLE  
EXISTING  
CONDITIONS & DEMO  
PLAN

C-2.01

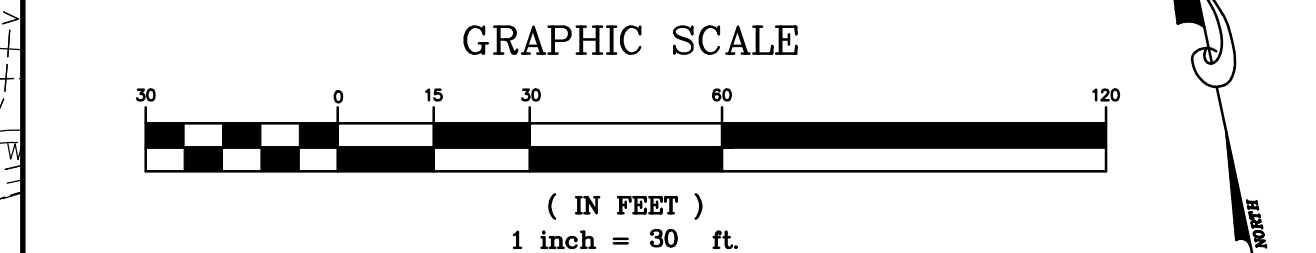


LEGEND	
STRUCTURES/UTILITIES TO BE REMOVED	STRUCTURES/UTILITIES TO REMAIN
OVERHEAD ELECTRICAL	OVERHEAD ELECTRICAL
UNDERGROUND ELECTRICAL	UNDERGROUND ELECTRICAL
FIRE PROTECTION	FIRE PROTECTION
GAS	GAS
SANITARY SEWER	SANITARY SEWER
TELEPHONE	TELEPHONE
UNDERGROUND TELEPHONE	UNDERGROUND TELEPHONE
FIBER OPTIC	FIBER OPTIC
WATER	WATER
FORCE MAIN	FORCE MAIN
STORM DRAIN	STORM DRAIN
INDIVIDUAL TREE TO BE REMOVED	INDIVIDUAL TREE TO REMAIN
LIGHT POLE	LIGHT POLE
UTILITY POLE	UTILITY POLE
MANHOLE	MANHOLE
CLEAN OUT	CLEAN OUT
DROP INLET/CATCH BASIN	DROP INLET/CATCH BASIN
FIRE HYDRANT	FIRE HYDRANT
WATER VALVE	WATER VALVE
CONSTR./CLEARING LIMITS	PAVEMENT, S/W, C&G TO BE REMOVED
TREE PROTECTION FENCE	BUILDING/STRUCTURE TO BE REMOVED
	MILLING FOR OVERLAY. SEE STAKING PLAN

- KEY NOTES
- TEMPORARY TREE PROTECTION FENCE, SEE DETAIL SHEET C-7.00.
  - CLEAR AND GRUB, STRIP TOPSOIL WITHIN CONSTRUCTION LIMITS.
  - REMOVE STRUCTURE/UTILITY.
  - REMOVE SIGN AND POST.
  - PAVEMENT, SIDEWALK, OR CURB & GUTTER TO BE REMOVED. SAW CUT EDGES AS NECESSARY.
  - FENCE TO BE REMOVED. CONTRACTOR TO REINSTALL; MATCH SIZE STYLE, ETC. OF EXISTING FENCE.
  - EXISTING MONUMENT SIGN TO BE DEMOLISHED.
  - EXISTING TEMPORARY CANOPY WALKWAY TO BE REMOVED. COORDINATE WITH OWNER AND ARCHITECT.
  - EXTENT MILL 1.5" OF EXISTING ASPHALT FOR NEW ASPHALT OVERLAY. SEE STAKING PLAN.

- GENERAL NOTES
- ALL EXISTING STRUCTURES AND UTILITIES SHALL BE REMOVED AS NEEDED TO ALLOW NEW CONSTRUCTION. IN GENERAL, FEATURES INDICATED IN BOLD ON THIS PLAN SHALL BE REMOVED.
  - ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT FOR NEW PAVEMENT, SIDEWALK, OR CURB & GUTTER, ETC. ANY EXISTING PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH PRE-CONSTRUCTION CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED).
  - ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
  - ALL WASTE MATERIAL GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
  - EXISTING SITE BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS TAKEN FROM SURVEY BY STOKES SURVEYING & MAPPING, PLLC PERFORMED 03/28/2024. THESE PLANS DO NOT ASSUME ANY LIABILITY FOR ANY EXISTING INFORMATION SHOWN AND NOT SHOWN ON THE SURVEY AND ANY CHANGES TO THE EXISTING CONDITIONS THAT MAY HAVE OCCURRED AFTER THE SURVEY WAS ISSUED. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
  - INSTALL TREE PROTECTION FENCING PRIOR TO BEGINNING CLEARING OPERATIONS. CLEAR AND GRUB ALL AREAS AS SHOWN AND REQUIRED TO PERMIT INSTALLATION OF NEW CONSTRUCTION PER SPECIFICATIONS AND DRAWINGS. EXISTING TREES, SHRUBS, OR OTHER LANDSCAPE MATERIAL WHICH WILL CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED (WHETHER OR NOT SHOWN ON THE DRAWINGS). ALL CONTRACTORS SHALL VISIT THE SITE AND OBSERVE EXISTING CONDITIONS PRIOR TO BIDDING.
  - TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE INTERIOR EDGE OF CLEARING LIMITS, THE CONTRACTOR SHALL CUT 2'-2" DEEP TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT, RATHER THAN TEAR ROOTS.
  - PRIOR TO DEMOLISHING EXISTING STRUCTURES, MAKE AN INSPECTION FOR ANY HAZARDOUS MATERIALS. CONTACT ARCHITECT IMMEDIATELY IF ANY HAZARDOUS MATERIALS ARE DISCOVERED. CAP AND REMOVE UTILITY SERVICES, FUEL TANKS AND SEPTIC SYSTEMS. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
  - VERIFY ALL ILLUSTRATED UNDERGROUND ELEMENTS/UTILITIES. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS/UTILITIES. NOTIFY THE ARCHITECT IMMEDIATELY IF UNKNOWN ELEMENTS/UTILITIES ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN. CONTACT UTILITY LOCATING SERVICE AT LEAST 48-HRS PRIOR TO EXCAVATION.
  - PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, REPAIR IMMEDIATELY AS DIRECTED BY THE ARCHITECT. AREAS TO BE PROTECTED, REPAIRED AND CLEANED SHALL ALSO INCLUDE ANY STAGING AREAS, ACCESS ROUTES AND OTHER EXISTING IMPROVEMENTS WITHIN THE CONSTRUCTION LIMITS THAT ARE TO REMAIN.
  - ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL WAYNE COUNTY AND/OR NC DOT STANDARDS AND SPECIFICATIONS.
  - ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISH GRADE.
  - DEMOLITION AND PATCHING OF PAVEMENT, SIDEWALK, CURB AND GUTTER AND OTHER EXISTING PAVED SURFACES IN ADDITION TO THAT INDICATED ON THIS PLAN SHALL BE PERFORMED AS REQUIRED TO CONSTRUCT AND INSTALL NEW UTILITIES.
  - THIS SITE IS NOT LOCATED WITHIN SPECIAL FLOOD HAZARD AREAS AS DETERMINED BY FEMA AND DEPICTED ON FEMA MAP 170200800000, DATED 06/20/2004 AS BEING WITHIN ZONE "X" OTHER AREA.
  - NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTICES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.
  - CONTRACTOR TO COORDINATE ALL UTILITY SHUTDOWNS AND PAVEMENT REMOVAL WITH OWNER PRIOR TO DEMOLITION ACTIVITIES.

EXISTING EROSION CONTROL LEGEND	
TEMP. GRAVEL CONSTR. ENTRANCE	EXISTING CONTOUR
TEMP. SILT FENCE	FINISHED CONTOUR
TEMP. REINFORCED SILT FENCE	TEMP. COMPOST SOCK
TEMP. J-HOOK PROTECTION	EXISTING STORM SEWER PIPES
TEMP. CONCRETE WASHOUT AREA	TEMP. INLET PROTECTION DEVICE
	TEMP. SILT BAG INLET PROTECTION
	TEMP. COMPOST SOCK INLET PROTECTION DEVICE



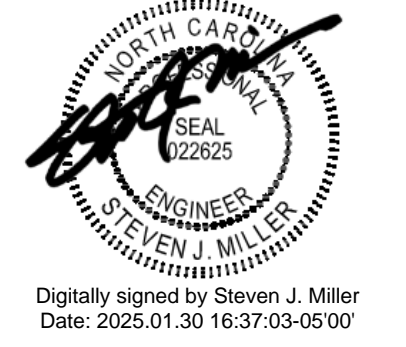


PROJECT INFORMATION

**ROSEWOOD MIDDLE SCHOOL ADDITION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27550

SEALS



Digitally signed by Steven J. Miller  
Date: 2025.01.30 16:37:03-0500

DKA JOB NUMBER  
2401

REVISIONS

1	ADDENDUM #1	2/3/2025

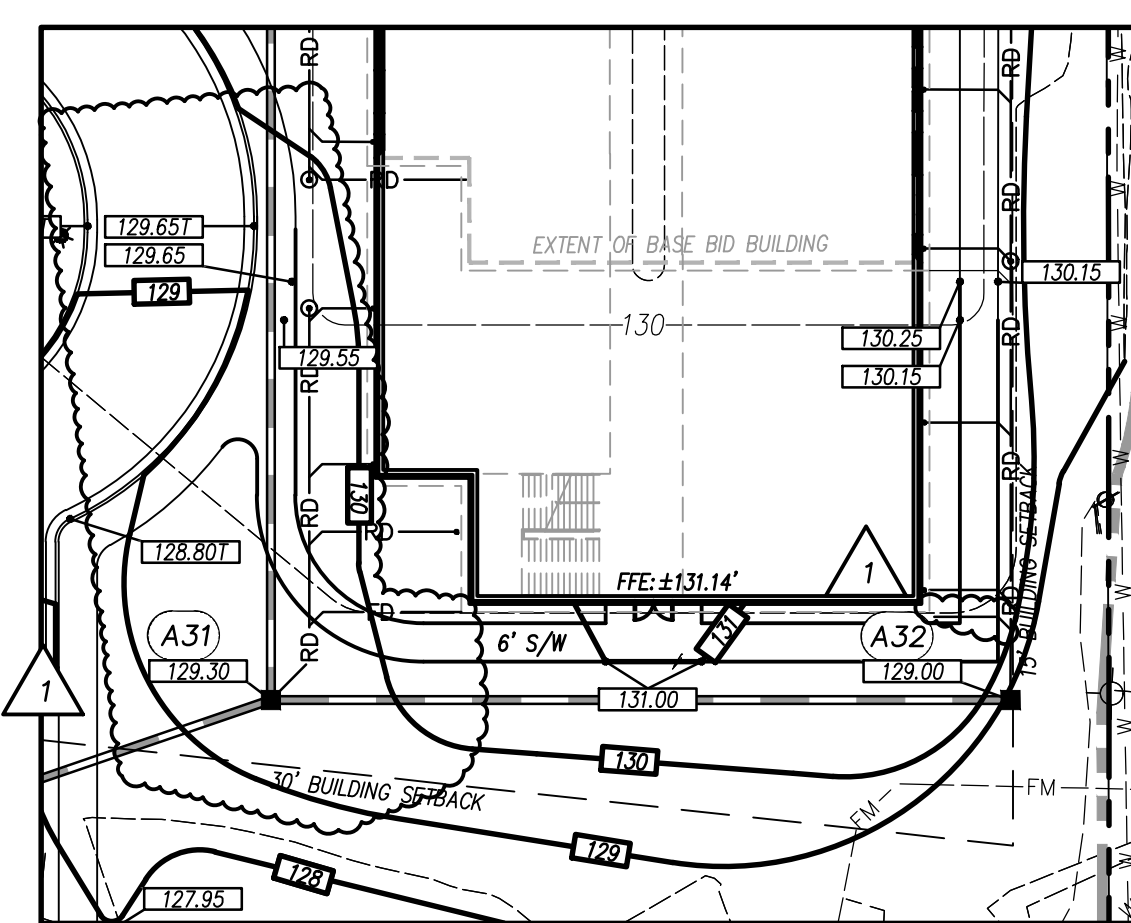
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PM: RW  
Drawn By: PH  
Plot Date: 01/08/2025

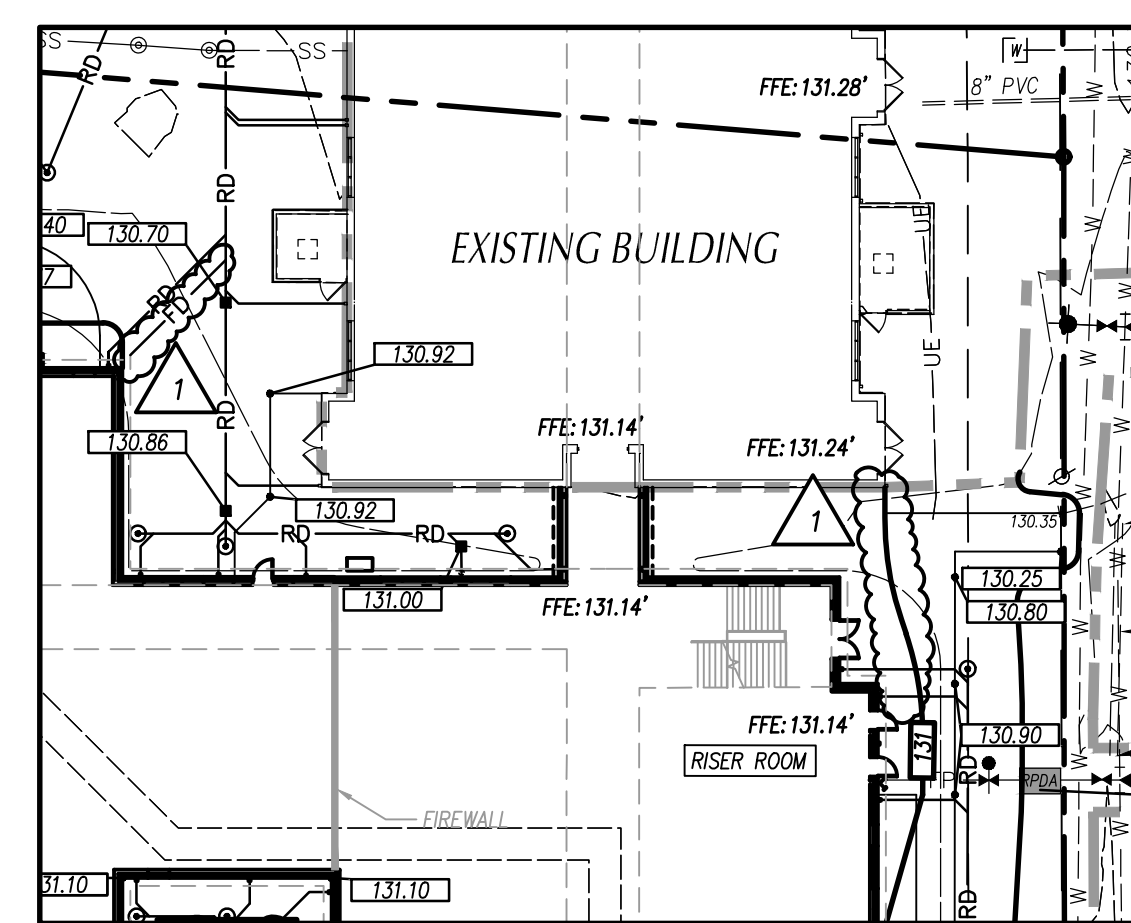
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01/10/2025

SHEET TITLE  
GRADING & DRAINAGE PLAN

**C-3.01**

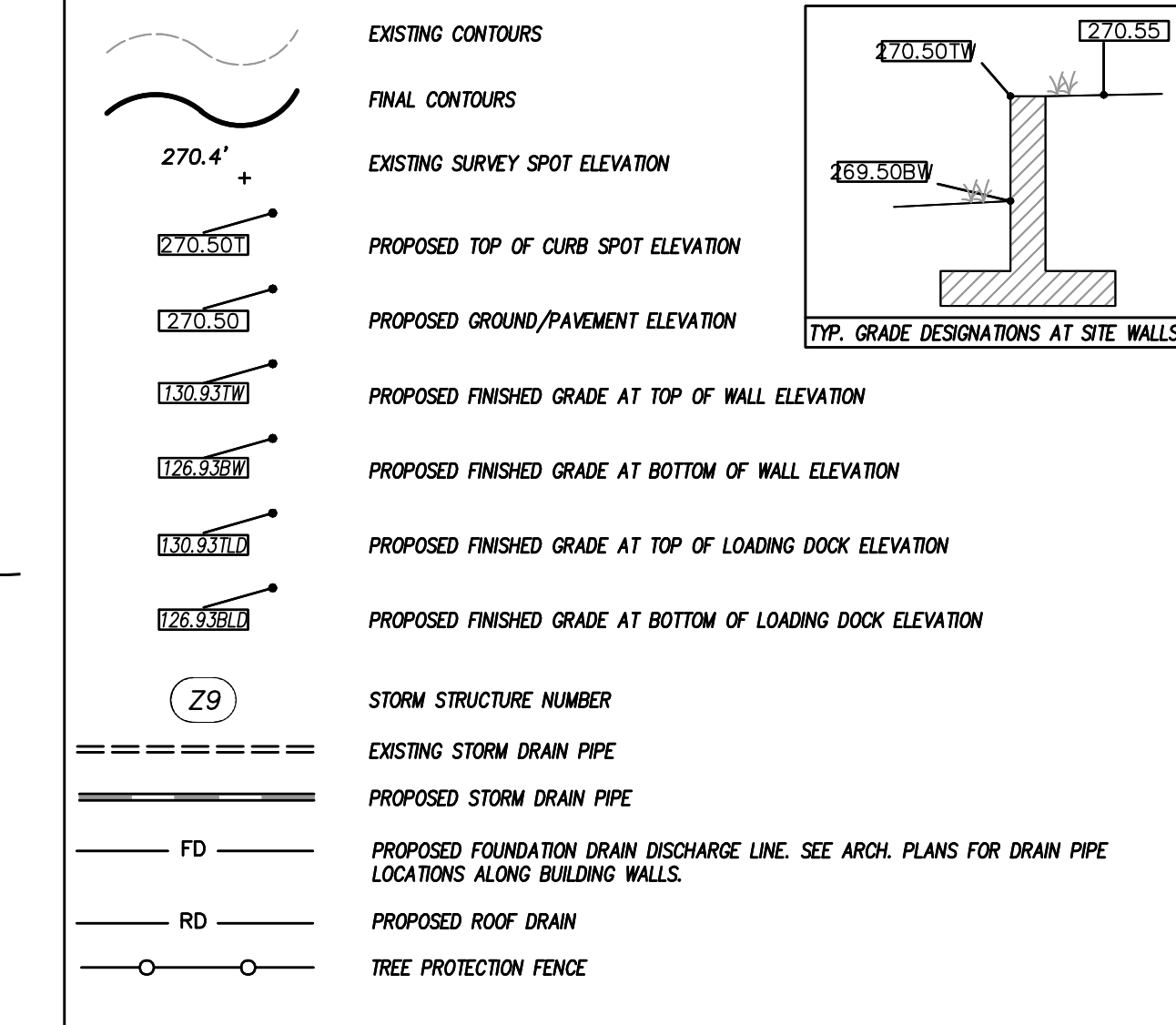


ADD ALTERNATE 1



ADD ALTERNATE 2

GRADING LEGEND

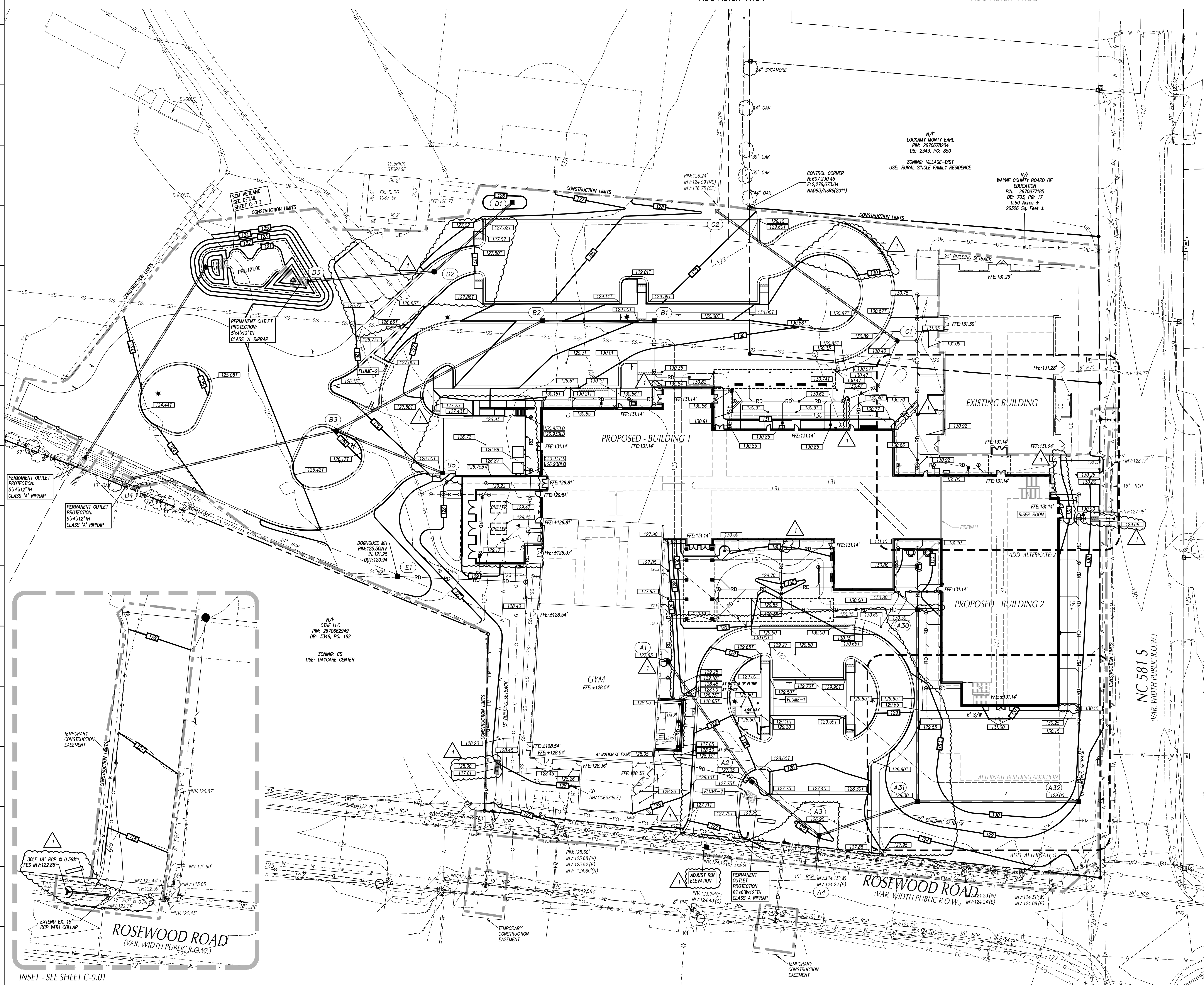
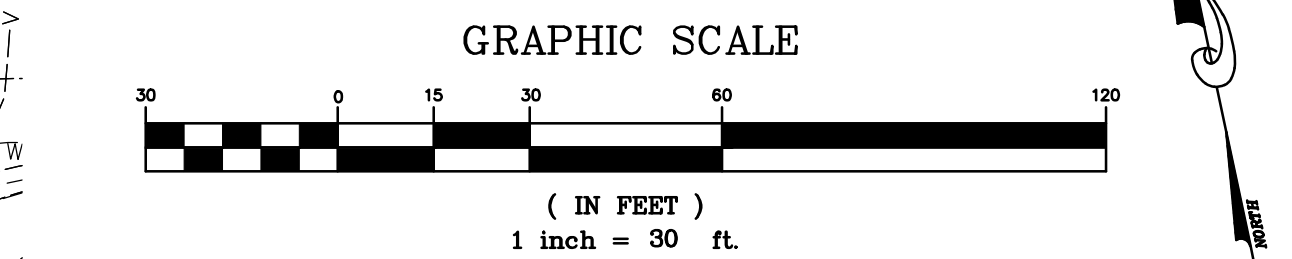


GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF GOLDSBORO AND NCDOT STANDARDS AND SPECIFICATIONS.
2. ALL SPOT ELEVATIONS INDICATED AT CURB AND GUTTER AND ARE DENOTED TO TOP OF CURB, UNLESS OTHERWISE SHOWN.
3. TOTAL DERIVED AREA = 6 AC.
4. CONTRACTOR SHALL ADJUST ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. AS NEEDED TO MATCH FINISH GRADE.
5. ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNERS INDEPENDENT TESTING LABORATORY. (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
6. ALL STORM DRAIN PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER STOPPAGE OF WORK EACH DAY. SEE DETAIL ON SHEET C-7.00.
7. EXISTING VEGETATION WITHIN TREE PROTECTION AREAS SHALL REMAIN UNDISTURBED, UNLESS NOTED OTHERWISE.
8. ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9. THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE.
10. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY STATE AUTHORITIES OR THE ARCHITECT.
11. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEANING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
12. THE CROSS-SLOPE ON ALL SIDEWALKS SHALL BE A MINIMUM OF 2.0%.
13. CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS WHERE NEW CONSTRUCTION JOIN OR CONNECT TO EXISTING PAVEMENT, CURB AND OTHER ROAD STRUCTURES. NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.

DRAINAGE STRUCTURE SCHEDULE											
STRUCTURE NO.	PIPE	PIPE	PIPE	PIPE	UPPER	LOWER	UPSTREAM STRUCTURE DATA				
UP STRM	DN STRM	SLOPE	DIA. (IN)	LENGTH (LF)	MATRL	INV. (FT)	INV. (FT)	TOP ELEV. (FT)	DEPTH (FT)	TYPE	NOTES
A1	A2	0.52%	15	105	RCP	125.35	124.80	127.85	2.50	DI	
A2	A3	0.57%	15	61	RCP	124.75	124.40	127.35	2.60	DI	
A3	A4	0.59%	15	17	RCP	124.35	124.25	126.90	2.55	DI	
A30	A31	0.51%	15	138	RCP	125.65	124.95	130.50	4.85	DI	
A31	A3	0.53%	15	75	RCP	124.85	124.45	129.30	4.45	DI	
A32	A31	0.52%	15	118	RCP	125.55	124.95	128.00	3.45	DI	
B1	B2	0.51%	15	80.36	RCP	121.37	120.96	129.54	8.17	CB	
B2	B3	0.50%	15	167.4	RCP	120.86	120.02	128.80	7.94	CB	
B3	B4	0.61%	15	151.44	RCP	119.92	119.00	126.12	6.20	CB	
B5	B3	0.61%	15	82.21	RCP	120.52	120.02	126.50	5.98	CB	
C1	C2	0.54%	15	158.62	RCP	126.05	125.20	130.40	4.35	DI	
D1	D2	0.56%	15	74.76	RCP	122.00	121.58	125.50	3.50	DI	
D2	D3	0.52%	15	91.54	RCP	121.48	121.00	126.68	5.20	MH	

- LEGEND
- CB CATCH BASIN, SEE DETAIL SHEET C-9.00.
  - DI DROP INLET, SEE DETAIL SHEET C-9.00.
  - MH MANHOLE, SEE DETAIL SHEET C-9.00.
  - FES PRECAST FLARED END SECTION
  - PE PLAIN END PIPE
  - (A2) STRUCTURE I.D. NUMBER
- NOTES
1. TOP ELEVATION IS TOP OF BACK OF CURB FOR CATCH BASINS, TOP OF RM DROP INLETS, AND FINISH GRADE FOR CLEANOUTS.
  2. ALL FES INLETS & OUTLETS SHALL BE RCP.
  3. DUCTILE IRON PIPE(DIP) SHALL HAVE WATER TIGHT JOINTS.

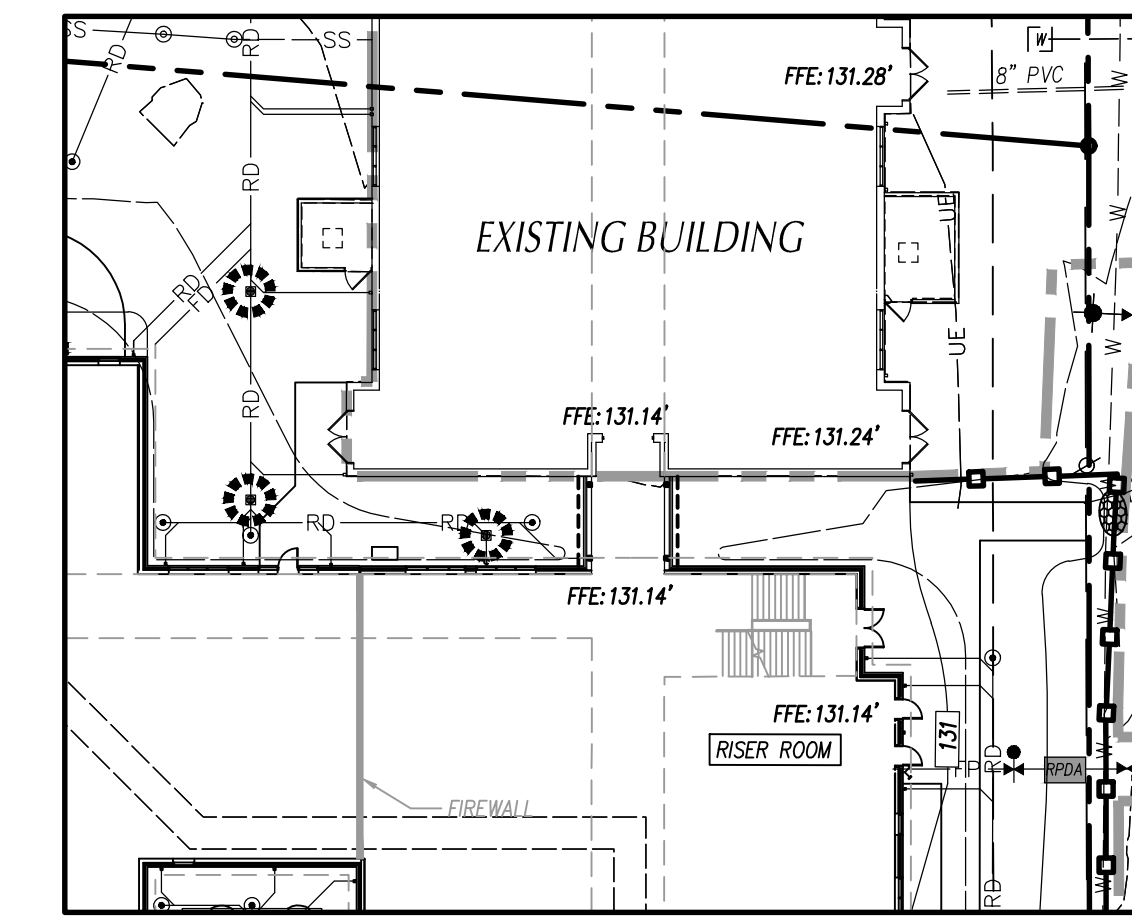
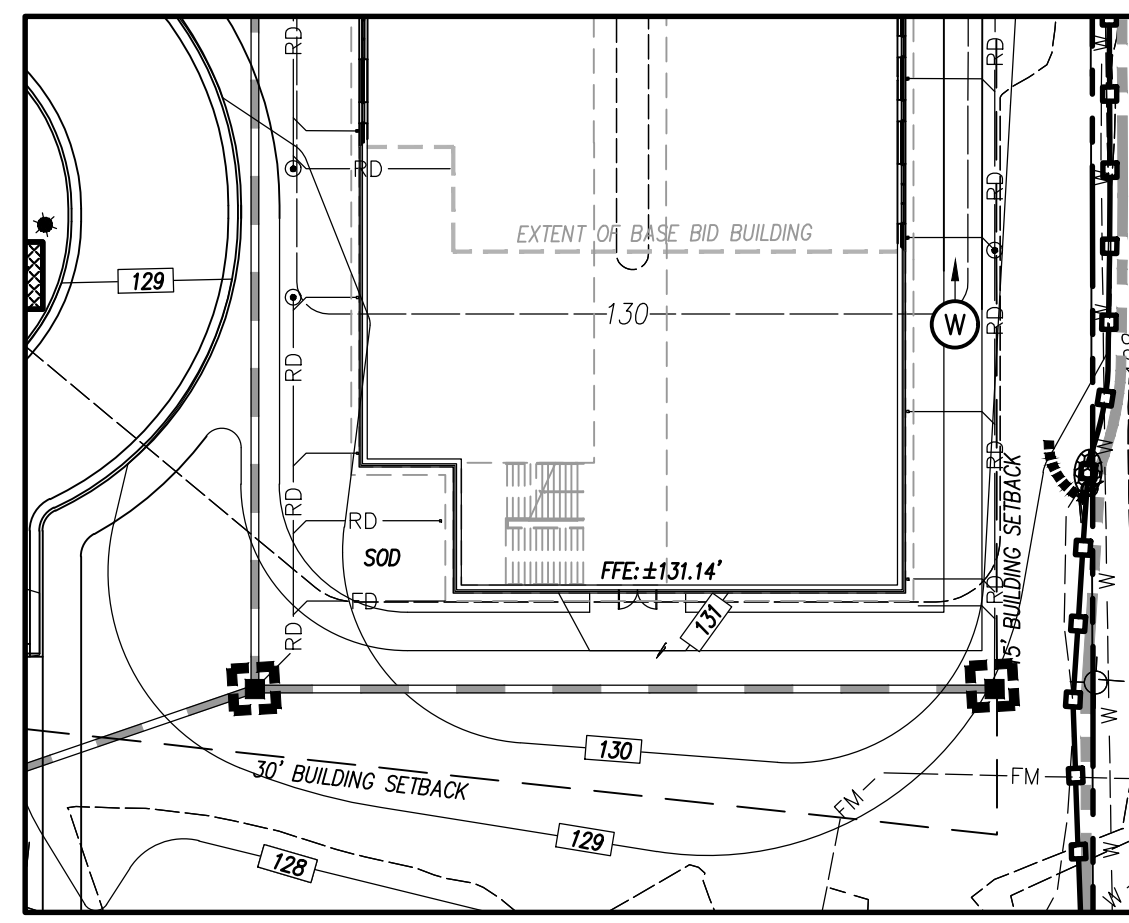
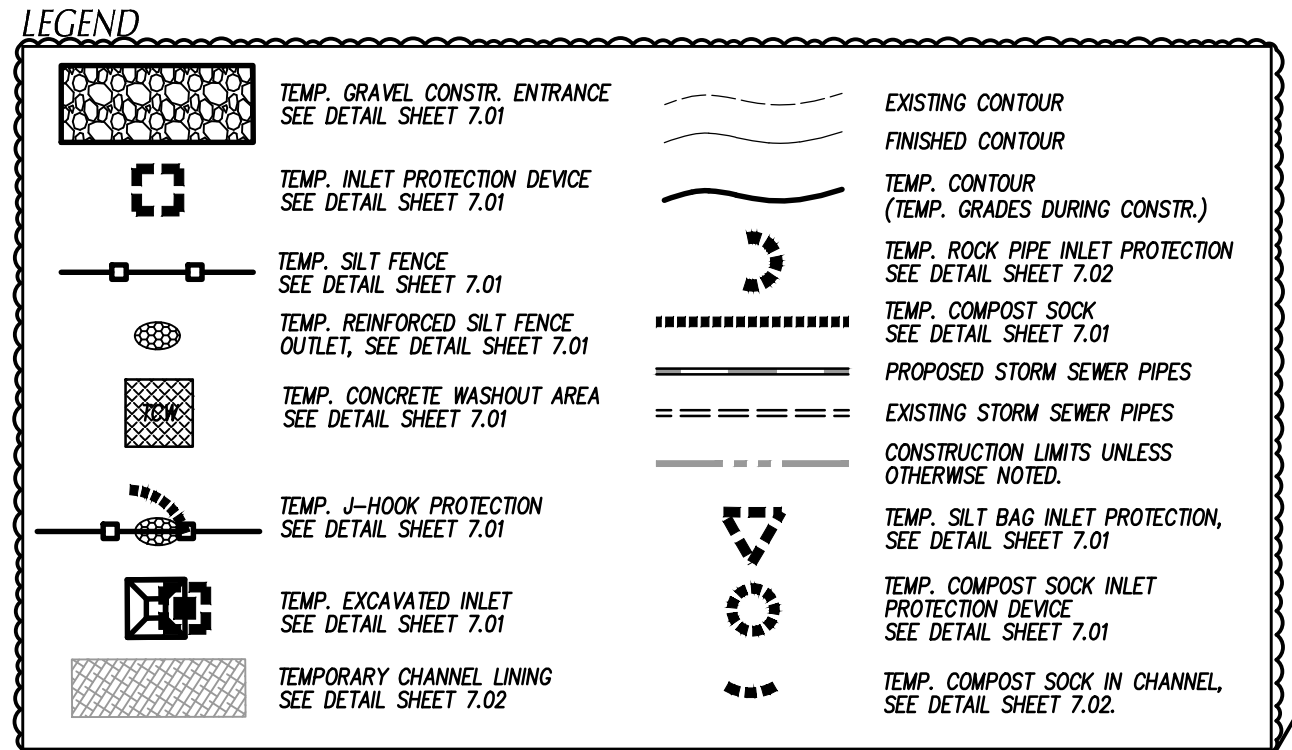


INSET - SEE SHEET C-0.01



# MAINTENANCE PLAN

1. DURING ALL PHASES OF CONSTRUCTION, GROUND COVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (SHEET C-7.00) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
  2. FINAL PERMANENT GROUND COVER ON ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (SHEET C-7.00) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
  3. THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
  4. SLOPE EROSION CONTROL MATINGS SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATING PER MANUFACTURER'S INSTRUCTIONS.
  5. ALL OTHER SEED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.
- SELF-INSPECTION RULES**
- SEE SHEET C-7.00 FOR SELF-INSPECTION REQUIREMENTS.
- THE FINANCIALLY RESPONSIBLE PERSON AND/OR HIS AGENT WILL PERFORM SELF INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES USING NCEM'S SELF INSPECTION REPORT (WORKSHEET) AND THIS WILL BE KEPT ON SITE.
- SLOPE & SURFACE STABILIZATION**
- GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION NOTES. SEE SHEET C-7.00.
- EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION 18.2 (b)).
- THE REQUIREMENTS ON SHEET C-7.00 ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED MINIMUM REQUIREMENTS.
- INSTALL TEMPORARY EROSION MATING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCOMAT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312600 FOR MATERIAL SPECIFICATIONS. INSTALL MATING PER MANUFACTURER'S INSTRUCTIONS.



- GENERAL NOTES**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF GOLDSBORO, NC, AND NC DOT STANDARDS, SPECIFICATIONS AND DETAILS.
  2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PROVIDED WITH WRITTEN DOCUMENTATION OF SEDIMENTATION CONTROL MEASURES. EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
  3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
  4. TOTAL DISTURBED AREA: 8 AC.
  5. ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE. EACH 4" OR LARGER STORM PIPE SHALL BE PROTECTED WITH 12" STONE FILTER PROTECTION.
  6. ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM. CLEANING SHALL BE PERFORMED IN A MANNER WHICH PREVENTS SEDIMENT FROM BEING DISCHARGED THROUGH PIPES TO THE RECEIVING WATER BODY.
  7. THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER MATERIALS SHALL BE STORED OUTSIDE OF THE LIMITS OF THE STAGING AREA. THE STAGING AREA SHALL BE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
  8. ALL STOCKPILES OF MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
  9. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO).
  10. THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR TREE PROTECTION FENCING. THERE SHALL BE NO ENCROACHMENT INTO ANY PROTECTED AREAS WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF.
  11. ANY UNAUTHORIZED ENCROACHMENT WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION AND DEVELOPMENT OF A TREE PROTECTION PLAN.
  12. INSTALL TEMPORARY MATING TO TOP OF ALL SLOPE SLOPES ON CHANNELS, DIVERSION DITCHES AND TEMPORARY SEDIMENT BASINS. SEE DETAIL SHEET C702 (PERMANENT CHANNEL) AND C702 (TEMPORARY DIVERSION DITCH) FOR TYPES OF MATING TO USE.
  13. ANY DETERIORATION OF SEDIMENT CONTAINMENT DEVICES FOR MAINTENANCE, REMOVAL OR CONVERSION PURPOSES IS TO BE DONE THROUGH A SILT BAG.
  14. ANY DETERIORATION OF STORM/UTILITY TRENCHES IS TO BE DONE THROUGH A SILT BAG.
  15. GROUND COVER TO BE APPLIED PER CONDITIONS OF THE NPDES PERMIT OR AT THE END OF THE DAY IN CRITICAL AREAS.
  16. CONTRACTOR SHALL USE TIME WASH STATION TO PREVENT SEDIMENT FROM TRACKING ONTO THE ROAD IF CONSTRUCTION ENTRANCE IS FOUND INSUFFICIENT AT NO ADDITIONAL COST TO OWNER.
  17. CONTRACTOR SHALL UTILIZE PUMP FLOCCULANTS TO REDUCE RUN-OFF TURBIDITY. SEE SPECS.

- CONSTRUCTION SEQUENCE**
- INITIAL EROSION CONTROL INSTALLATION**
1. CONTINUE MAINTENANCE OF EXISTING EROSION CONTROL DEVICES UNTIL PROPOSED EROSION AND SEDIMENT CONTROL DEVICES ARE INSTALLED.
  2. INSTALL TREE PROTECTION FENCING.
  3. OBTAIN REVISED APPROVED PLAN AND APPROVAL PLACARD. A COPY OF THE APPROVED PLAN MUST BE ON FILE AT THE JOB SITE.
  4. CONTACT NC DEP LEO WASHINGTON OFFICE AT 252-846-6481 TO SCHEDULE PRE-CONSTRUCTION MEETING AT LEAST 72 HOURS PRIOR TO PROJECT ACTIVATION AND PROVIDE NOTIFICATION OF THE PROJECT START-UP DATE.
  5. CONDUCT PRE-CONSTRUCTION CONFERENCE.
  6. THE FOLLOWING MUST BE KEPT ON SITE UNTIL THE EASC PLAN HAS BEEN CLOSED BY LP BY LAND QUALITY: RAIN GAUGE. A COPY OF APPROVED EASC PLAN WITH APPROVAL CERTIFICATE/LETTER, AND NPDES PERMIT WITH A MINIMUM OF MOST RECENT 30 DAYS OF SELF-INSPECTION RECORDS (SEE SELF-INSPECTION REQUIREMENTS BELOW). THESE ITEMS SHOULD BE LOCATED NEAR THE MAIN CONSTRUCTION ENTRANCE. FAILURE TO MAINTAIN THESE ON-SITE VIOLATES THE NPDES PERMIT.
  7. INSTALL NEW CONSTRUCTION ENTRANCES: PERIMETER SILT FENCES, REINFORCED OUTLET PROTECTION, J-HOOK OUTLETS PROTECTION, TEMPORARY COMPOST SOCKS, AND TEMPORARY INLET PROTECTION DEVICES ON EXISTING INLETS.
  8. INSTALL 18"-SCM BARREL OUTLET STRUCTURE COMPONENTS. KEEP ALL OFFICES BLOCKED UP TO THE REQUIRED SEDIMENT BASIN PUMP ELEVATION. KEEP DRAIN VALVES OPEN WHEN INSTALLING TEMPORARY SEDIMENT BASINS. TEMPORARY SEDIMENT BASIN PUMP ELEVATION SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY SEDIMENT BASIN PUMP ELEVATION SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY SEDIMENT BASIN PUMP ELEVATION SHALL BE MAINTAINED AT ALL TIMES.
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- CONSTRUCTION EROSION CONTROL & MAINTENANCE**
1. ONCE ALL PERIMETER SEDIMENT CONTROL DEVICES ARE INSTALLED, CLEAR AND GRUB ADDITIONAL AREAS WITHIN CONSTRUCTION LIMITS. STORM TRENCH, STOCKPILE TRENCH, WITHIN TEMPORARY STOCKPILE LIMITS. MAINTAIN ALL SILT FENCE AROUND TEMPORARY STOCKPILES AND MULCH ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE STABILIZED UNDER CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  2. BEGIN ROUGH GRADING OPERATIONS. SEED, MULCH AND TACK ANY DISTURBED AREAS THAT EXCEED CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  3. AT THE END OF EACH DAY, INSTALL AND ADJUST DIVERSION DITCHES AT THE EDGE OF THE FILL SLOPES TO CONTINUE TO DIRECT RUN-OFF TO TEMPORARY BASINS.
  4. INSTALL STORM DRAINAGE SYSTEM AS GRADING OPERATIONS PROGRESS. INSTALL INLET AND OUTLET PROTECTION DEVICES AT NEW STRUCTURES AS THEY ARE CONSTRUCTED. INSTALL PUMP TURBIDITY LOGS. PROTECT ALL OPEN STORM DRAIN LINES UNDER CONSTRUCTION WITH STONE FILTER AFTER STOPPAGE OF WORK EACH DAY. STORM DRAINAGE SYSTEM SHALL BE INSTALLED IN DRY CONDITIONS. INSTALL TEMPORARY EXCAVATED INLET PROTECTION. SEED AND MULCH ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE STABILIZED UNDER CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  5. ALL DETERIORATION OF UTILITY TRENCHES SHALL BE PUMPED THROUGH TEMPORARY SILT BAGS. SILT BAG SHALL BE CONTINUALLY MONITORED DURING OPERATION.
  6. RESURFACE TOPSOIL. INSTALL SLOPE PROTECTION BLANKETS AND VEGETATE STEEP SLOPES AS THE ARE ESTABLISHED. REPAIR ROADSIDE DITCHES AND CHANNELS DAILY UNTIL PERMANENT GROUND COVER IS ESTABLISHED. INSTALL TEMPORARY CHANNEL COMPOST SOCKS. SEED AND MULCH ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE STABILIZED UNDER CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  7. VEGETATE (OR OTHERWISE STABILIZE WITH PAVEMENT, BUILDING PAD ETC.) IMMEDIATELY TO ALL DISTURBED AREAS AS SHOWN IN SLOPE AND STABILIZATION NOTES. MAINTAIN THROUGHOUT THE DURATION OF THE PROJECT. SEED STABILIZATION NOTES AND NPDES THE TABLE.
  8. INSTALL SILT BAG INLET PROTECTION ONCE CURB & GUTTER IS INSTALLED. PROVIDE TEMPORARY SAND BAGS, STONE OR COLD PATCH TO DIRECT RUN-OFF INTO INLETS. SILT BAGS SHALL BE MONITORED DURING OPERATION.
  9. MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT CONSTRUCTION.
  10. PERMANENT GROUND COVER SHALL BE ESTABLISHED IN 90 CALENDAR DAYS. HOWEVER, NPDES GROUND COVER REQUIREMENTS TAKE PRECEDENCE.
- REMOVAL OF EROSION CONTROL DEVICES**
1. CALL FOR INSPECTION OF STABILIZED SITES.
  2. PERIMETER MEASURE MUST BE LEFT IN PLACE UNTIL ALL UPLAND AREAS ARE PERMANENTLY STABILIZED. AFTER SITE IS PERMANENTLY STABILIZED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND PROVIDE PERMANENT SEEDING WHERE TEMPORARY MEASURES HAVE BEEN REMOVED AND GROUND COVER IS NOT ADEQUATE. SEDIMENT BASINS MAY NOT BE REMOVED OR CONVERTED INTO PERMANENT SOILS UNTIL ALL UPLAND AREAS ARE PERMANENTLY STABILIZED.
  3. IF SITE IS APPROVED, PUMP SEDIMENT LADEN WATER THROUGH SILT BAGS AND REMOVE TEMPORARY SEDIMENT STOCKPILES. SILT BAGS SHALL BE CONTINUALLY MONITORED DURING OPERATION. INSTALL REMAINING PORTIONS OF PERMANENT CHANNELS AND SEED AND MULCH SLOPE OF ALL DISTURBED AREAS REMAINING ON SITE. COMPLETE INSTALLATION OF REMAINING PORTIONS OF GREENWAY TRAIL, CULVERTS, PERMANENT OUTLET PROTECTION AND CHANNELS. ALL DISTURBED AREAS ARE TO BE STABILIZED UNDER CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  4. CONVERT TEMPORARY SEDIMENT BASINS INTO PERMANENT STORMWATER WETLAND. PUMP/REMOVE BASIN THROUGH SILT BAG. CLOSE DRAIN VALVE, REMOVE TEMPORARY STOCKPILES AND OTHER TEMPORARY COMPONENTS. EXCAVATE SEDIMENT AND GRADE TO FINISH WETLAND CONTOURS. SEE STORMWATER WETLAND DETAILS FOR ADDITIONAL CONSTRUCTION SEQUENCING. INSTALL WETLAND PLANTINGS. SEED AND MULCH ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE STABILIZED UNDER CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  5. REMOVE TEMPORARY CONSTRUCTION ENTRANCES, CONTRACTOR STAGING AREA, AND ANY REMAINING TEMPORARY MATERIALS. STOCKPILES, SEED AND MULCH ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE STABILIZED UNDER CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  6. CALL FOR INSPECTION OF STABILIZED SITE. IF APPROVED, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES. SEED AND MULCH ANY REMAINING DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE STABILIZED UNDER CONDITIONS OUTLINED IN THE CURRENT NPDES PERMIT.
  7. WHEN THE PROJECT IS COMPLETE, THE PERMITTEE SHALL CONTACT DEMAR TO CLOSE OUT THE EASC PLAN. AFTER DEMAR INFORMS THE PERMITTEE OF THE PROJECT CLOSURE, THE PERMITTEE SHALL VISIT THE PROJECT SITE. THE PERMITTEE SHALL FEE WILL BE CHARGED UNTIL THE E-NOT HAS BEEN FILLED OUT.

- REVISIONS**
- | ADDENDUM # | DATE     |
|------------|----------|
| 1          | 2/3/2025 |
- REVISIONS**
- | NO. | DESCRIPTION | DATE     |
|-----|-------------|----------|
| 1   | ADDENDUM #1 | 2/3/2025 |
- REVISIONS**
- | NO. | DESCRIPTION | DATE     |
|-----|-------------|----------|
| 1   | ADDENDUM #1 | 2/3/2025 |

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PA: RENEE PEIFFER  
PM: RW  
Drawn By: PH  
Plot Date: 01/08/2025

**DATE ISSUED**

**BID DOCUMENTS**  
01/10/2025

**SHEET TITLE**  
EROSION CONTROL PLAN

**C-4.01**



## PROJECT INFORMATION

**ROSEWOOD MIDDLE SCHOOL ADDITION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

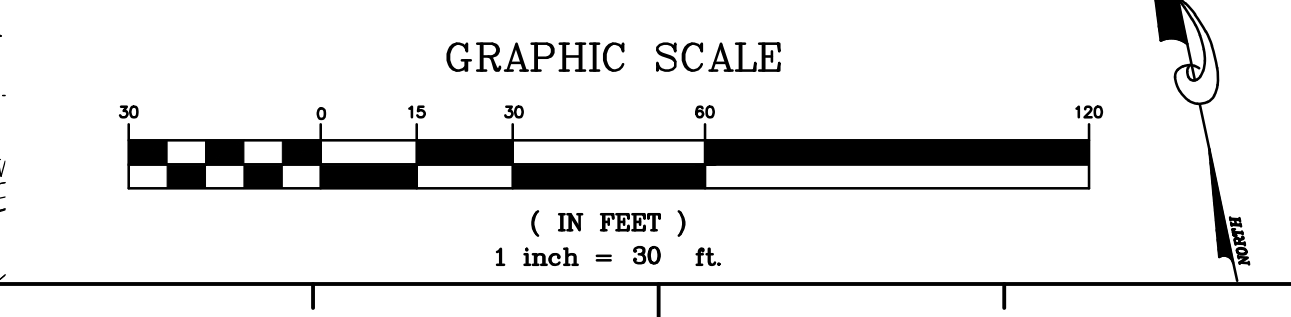
## SEALS



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Date: 2025.01.30 16:37:08 -05'00'

**DKA JOB NUMBER**  
2401

REVISIONS
1. ADDENDUM #1
2. 2/3/2025





PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27550

SEALS



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Date: 2025.01.30 16:37:12-05'00'

DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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PM: RW  
Drawn By: PH  
Plot Date: 01/10/2025

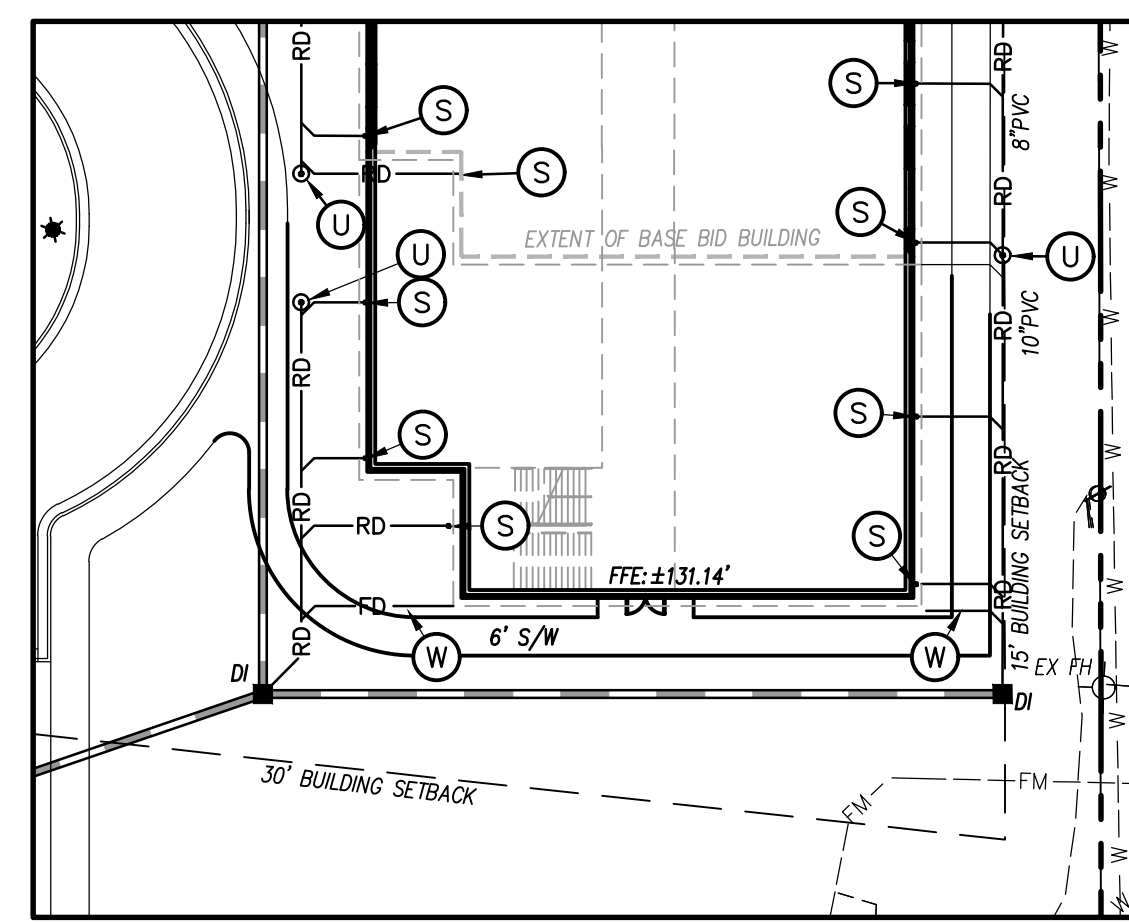
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01/10/2025

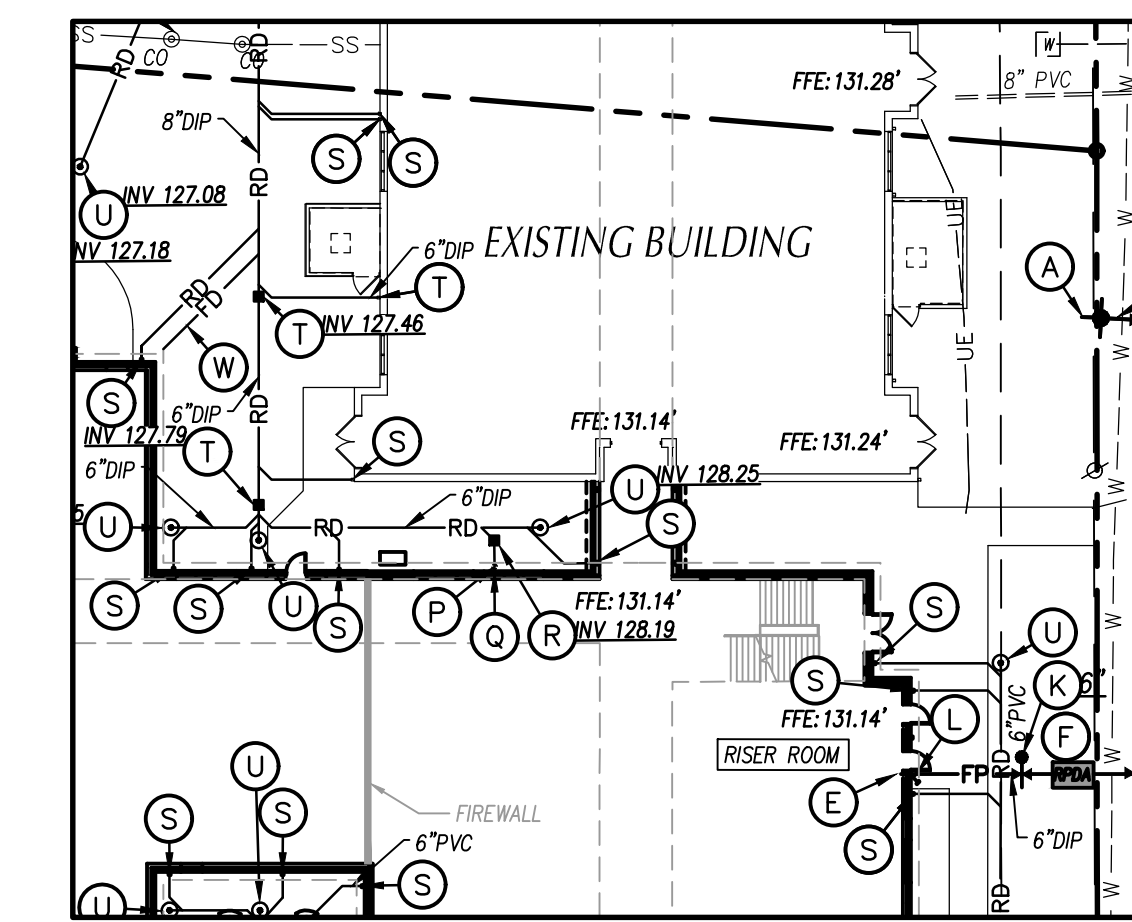
SHEET TITLE

UTILITY PLAN

**C-5.01**



ADD ALTERNATE 1



ADD ALTERNATE 2

UTILITY LEGEND

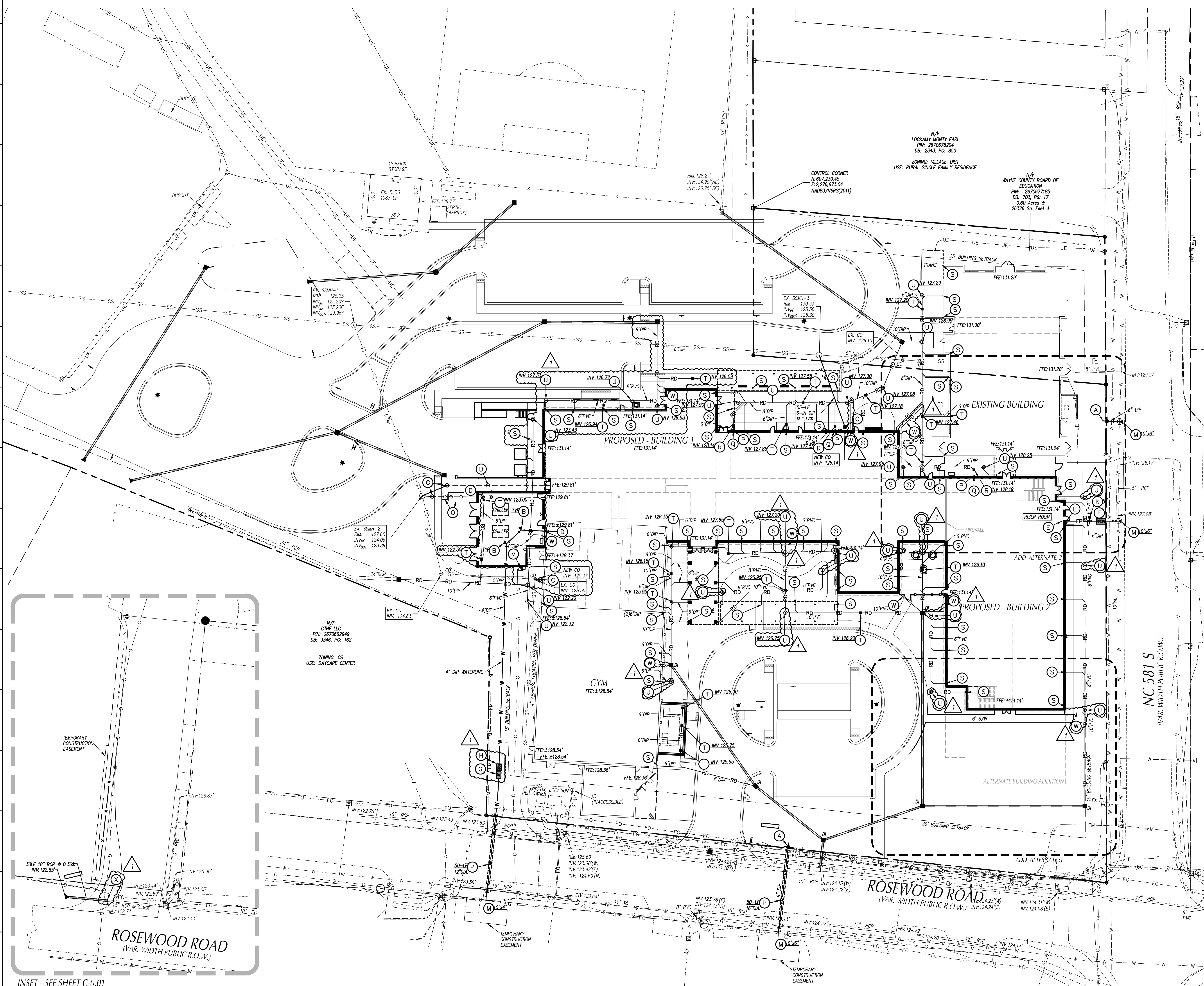
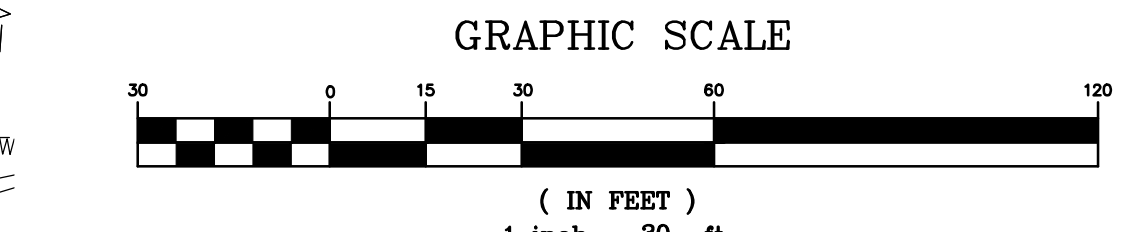
EXISTING	PROPOSED
CHILLED WATER	-----CW
ELECTRICAL (OVERHEAD)	-----E
ELECTRICAL (UNDERGROUND)	-----UE
FOUNDATION DRAIN	-----FD
GAS	-----G
SANITARY SEWER	-----SS
TELEPHONE (OVERHEAD)	-----T
TELEPHONE (UNDERGROUND)	-----UT
WATER	-----W
ROOF DRAIN	-----RD
FIRE PROTECTION	-----FP
STORM DRAIN	-----SD
TREE PROTECTION FENCING, SEE EROSION CONTROL PLANS	=====
LIGHT POLE	☆ LP
UTILITY POLE	○ PP
MANHOLE	○ MH
CLEAN OUT	○ CO
DROP INLET, CATCH BASIN, INLET DRAIN	□ DI, CB, ID
FIRE HYDRANT	○ FH
WATER VALVE	○ WV
POST INDICATOR VALVE (PIV)	○ PIV
FIRE DEPARTMENT CONNECTION (FDC)	○ FDC
THRUST BLOCKING	○ TB
SANITARY SEWER STRUCTURE IDENTIFICATION	○ SSI

GENERAL NOTES-UTILITY

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF GOLDSBORO AND NCSDOT STANDARDS, SPECIFICATIONS AND DETAILS.
- INSTALL WATERMANS WITH A COVER OF NO LESS THAN 3'-FT. TO FINISH GRADE IN NON-TRAFFIC AREAS, 4'-FT TO FINISH GRADE IN TRAFFIC AREAS.
- INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
- WATERLINES AND SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL CLEARANCE OF 10'-FT.
- SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM VERTICAL CLEARANCE OF 24'-IN TO STORM DRAINAGE PIPES.
- COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH OTHER PRIME CONTRACTORS, UTILITY COMPANIES AND OTHER TRADES INCLUDING BUT NOT LIMITED TO: NATURAL GAS, ELECTRICITY, TELEPHONE AND CABLE.
- VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED.
- CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE NCSDC AND OSHA REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF ALL UTILITY AND STORM DRAINAGE IMPROVEMENTS FOLLOWING CONSTRUCTION. SEE SPECS FOR ALL AS-BUILT REQUIREMENTS.
- CONTRACTOR SHALL PHASE DEMOLITION AND NEW CONSTRUCTION TO ENSURE UNINTERRUPTED ACCESS AND UTILITY SERVICE TO ADJACENT FACILITIES. COORDINATE SHORT-TERM, OFF-HOURS, TEMPORARY SHUT-DOWNS WITH THE OWNER.
- SEE GENERAL NOTES ON EXISTING CONDITIONS AND DEMOLITION PLAN FOR REQUIREMENTS FOR REMOVAL AND PATCHING OF PAVEMENT FOR UTILITY INSTALLATION.
- ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1/4" MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24'-IN.
- ALL SANITARY SEWER SERVICES SHALL BE 4" PVC (SCH 40) @ 1/4" MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24'-IN.
- ALL CONCRETE LINES SHALL BE CONNECTED TO STORM DRAINAGE SYSTEM.
- NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.

KEY NOTES

- (A) FIRE HYDRANT ASSEMBLY, SEE DETAIL SHEET C-8.01.
- (B) THRUST BLOCKING, TYP. SEE DETAIL SHEET C-8.01.
- (C) SANITARY SEWER CLEANOUT, SEE DETAIL SHEET C-8.00.
- (D) EXTEND UTILITY TO WITHIN 5'-0" OF BUILDING WALL OR AS INDICATED ON PLUMBING PLANS. REFER TO PLUMBING PLANS FOR LOCATION AND INVERTS.
- (E) EXTEND WATER MAIN TO 12'-IN ABOVE FINISH FLOOR FOR FIRE PROTECTION/PLUMBING CONNECTION. SEE DETAIL SHEET C-8.01. REFER TO FIRE PROTECTION/PLUMBING PLANS FOR EXACT LOCATION.
- (F) 8-IN WATTS MODEL 957RPPA REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) WITHIN HEATED ENCLOSURE. SEE DETAIL SHEET C-8.01. REFER TO FIRE PROTECTION/PLUMBING PLANS FOR EXACT LOCATION.
- (G) 4-IN DOMESTIC WATER METER, SEE DETAIL SHEET C-8.01.
- (H) 6-IN WATTS MODEL L7900-LF REDUCED PRESSURE ASSEMBLY (RPA) WITHIN HEATED ENCLOSURE. SEE DETAIL SHEET C-8.01. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (I) GATE VALVE AND VALVE BOX, SEE DETAIL SHEET C-8.01. VALVE DIAMETER TO MATCH WATER LINE DIAMETER. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- (J) 6-IN POST INDICATOR VALVE W/ TAMPER SWITCH, SEE DETAIL SHEET C-8.01 AND SPECS. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (K) FIRE DEPARTMENT CONNECTION ON EXTERIOR BUILDING WALL, SEE FIRE PROTECTION PLAN.
- (L) TAPPING SLEEVE, VALVE AND BLOOMING ASSEMBLY, SEE DETAIL SHEET C-8.00.
- (M) RESTRAIN FIRE HYDRANT THROUGH VALVE TO SHUTTING COLLAR.
- (N) 2,000-GALLON GREASE INTERCEPTOR WITH SAMPLING VAULT, SEE PLUMBING PLANS.
- (O) HORIZONTAL INLINE BACKWATER VALVE, SEE PLUMBING PLANS.
- (P) 3-IN CONDENSATE LINE, SEE PLUMBING PLANS.
- (Q) CONDENSATE RELIEF BASIN, SEE DETAIL SHEET C-8.00.
- (R) CONNECT TO DOWNSPOUT ROOF, SEE ARCHITECTURAL PLAN FOR DETAIL.
- (S) IN-LINE DRAIN, SEE DETAIL SHEET C-8.00.
- (T) ROOF DRAIN CLEANOUT, SEE DETAIL SHEET C-8.00.
- (U) GAS METER WITH 2" NATURAL GAS PIPING, SEE PLUMBING PLAN.
- (V) CONNECT 4-IN PVC TO FOUNDATION DRAIN, SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR MORE INFORMATION.
- (W) PIPE COLLAR, SEE DETAIL SHEET C-8.01.



INSET - SEE SHEET C-0.01



PROJECT INFORMATION

**ROSEWOOD MIDDLE SCHOOL ADDITION**  
WAYNE COUNTY PUBLIC SCHOOLS  
541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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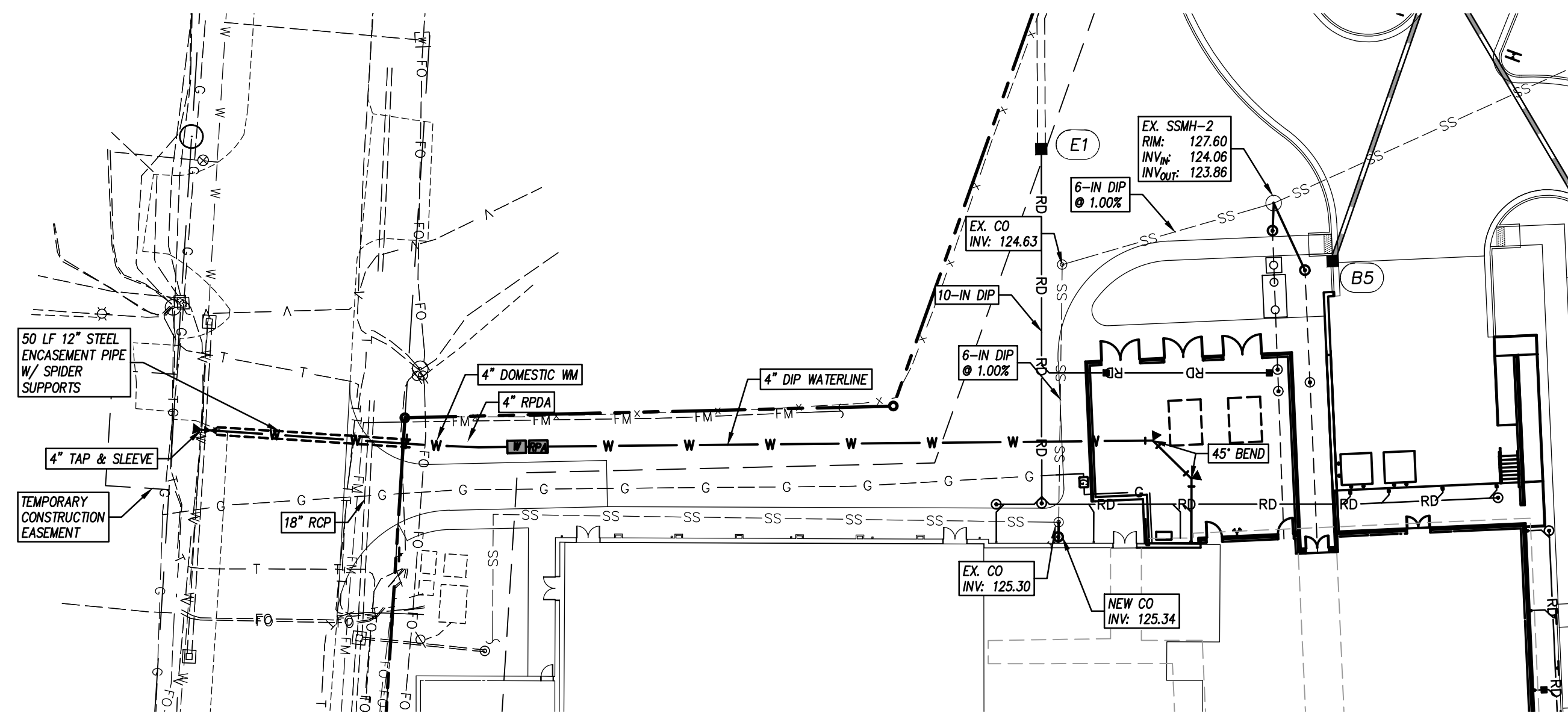
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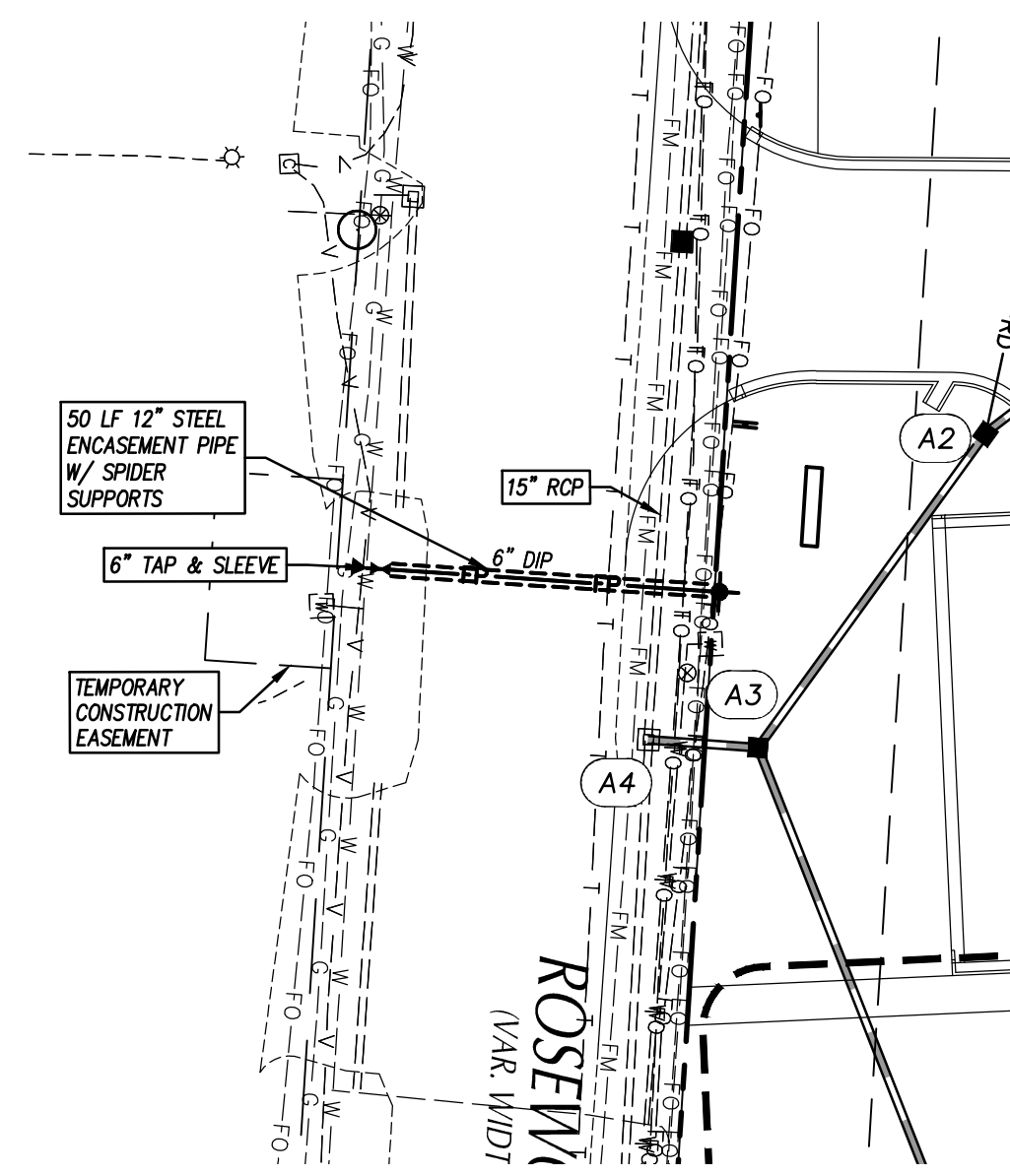
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01/10/2025

**SHEET TITLE**  
DOMESTIC  
WATER LINE  
PLAN & PROFILE

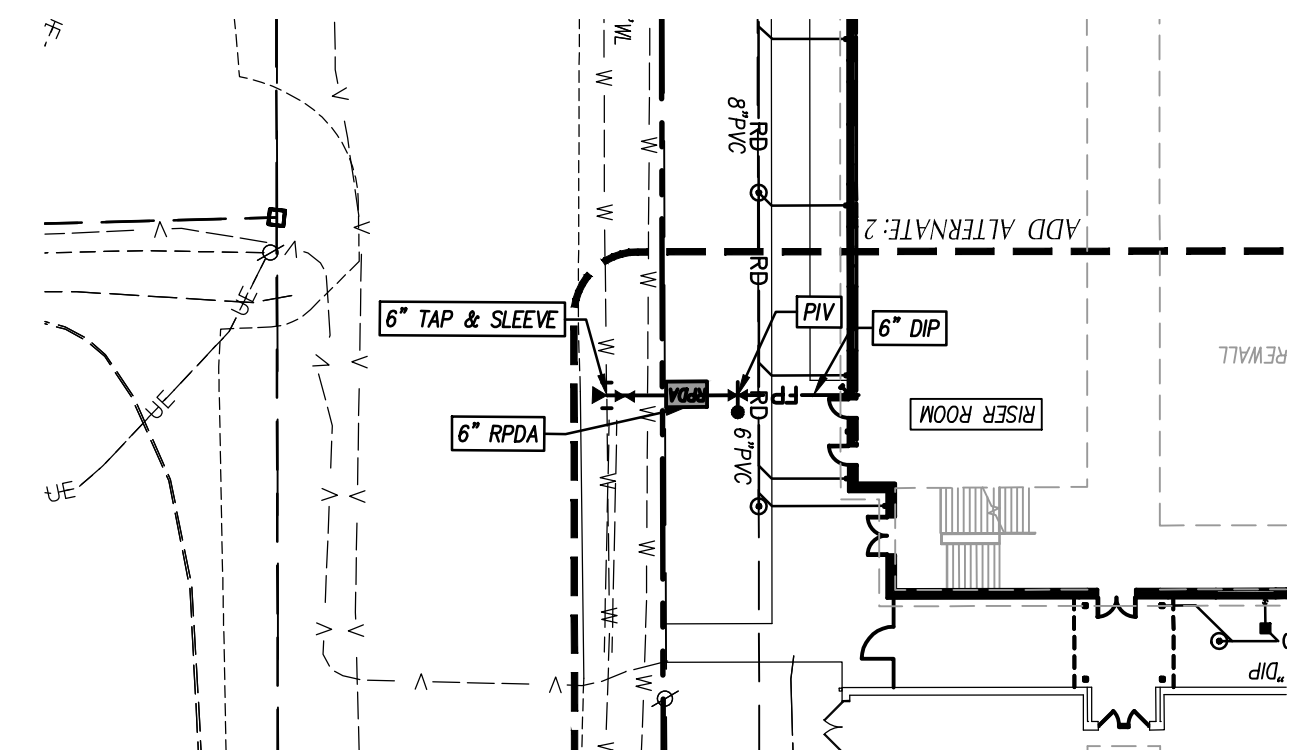
**C-5.02**



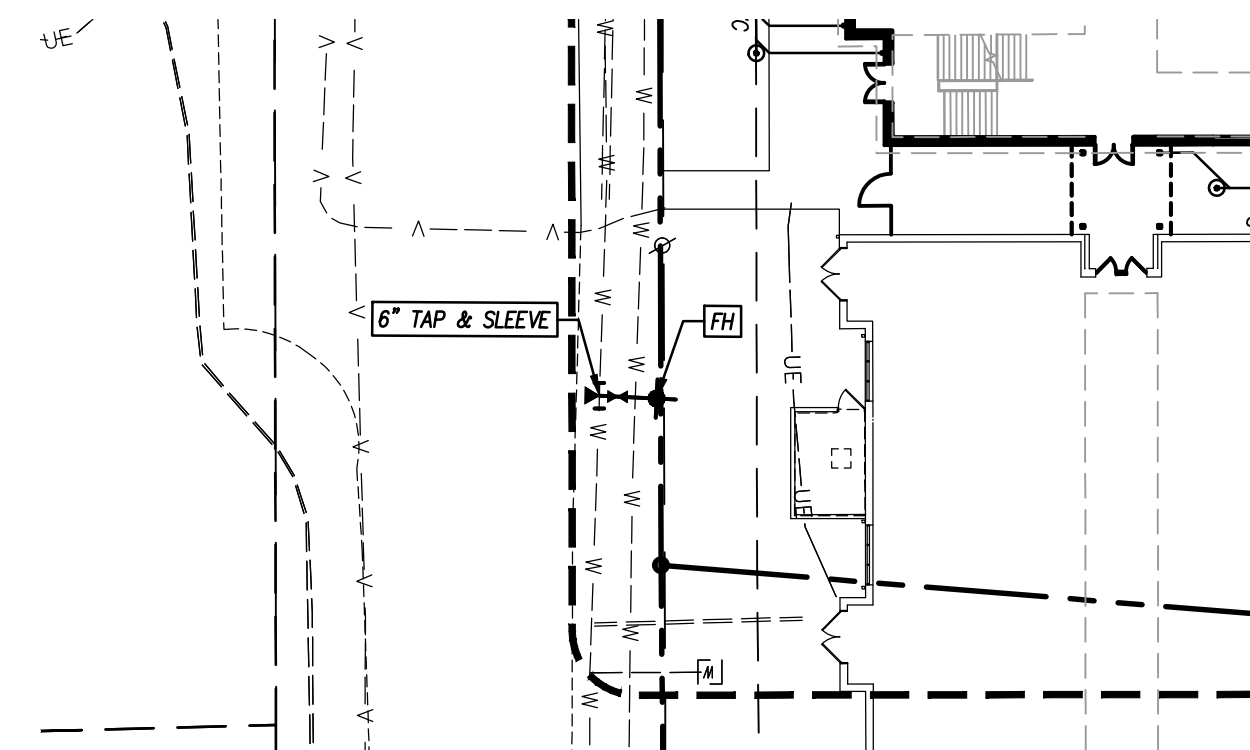
DOMESTIC WATER LINE - PLAN VIEW



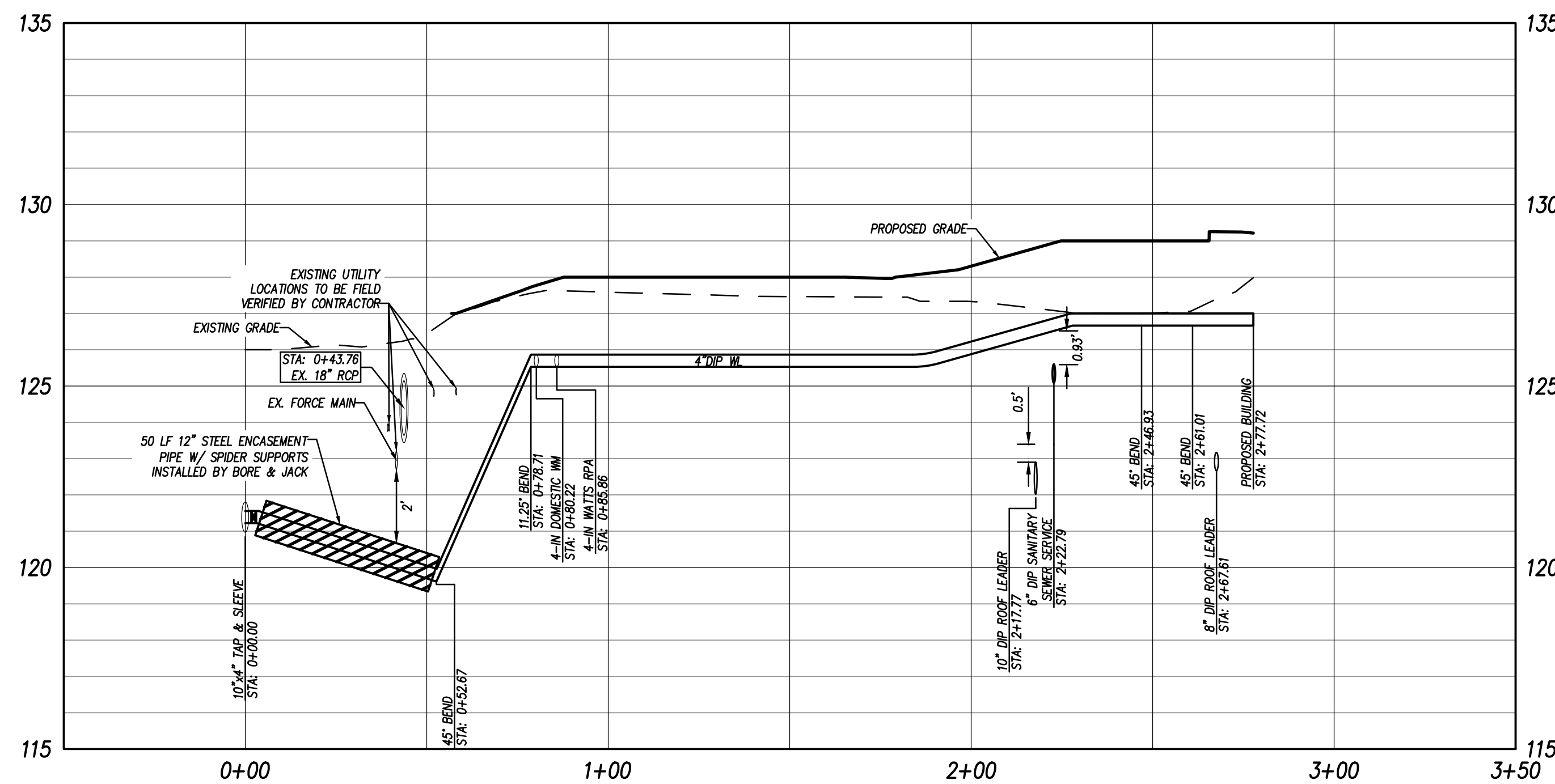
ROSEWOOD RD. FIRE HYDRANT - PLAN VIEW



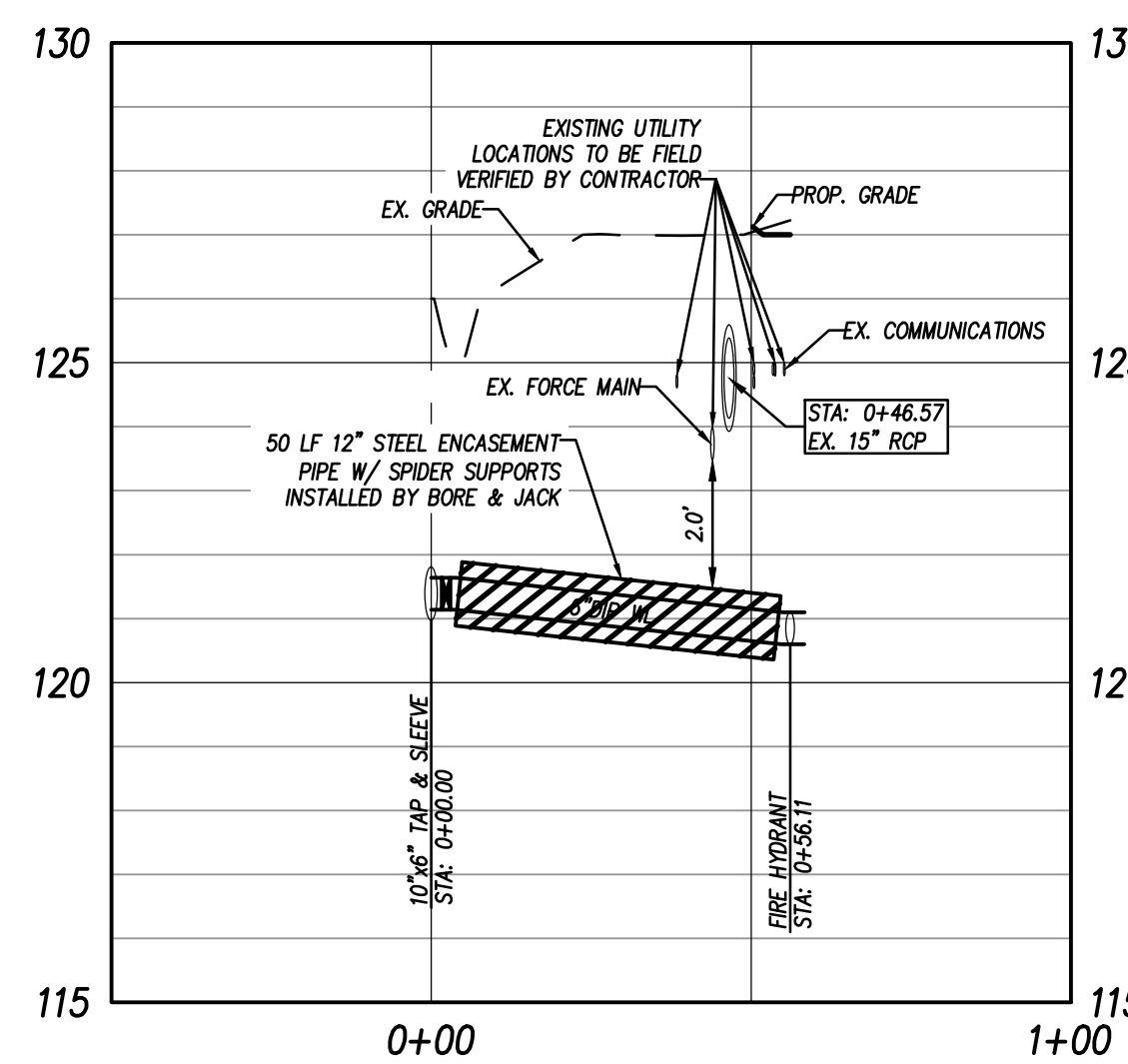
FIRE PROTECTION LINE - PLAN VIEW



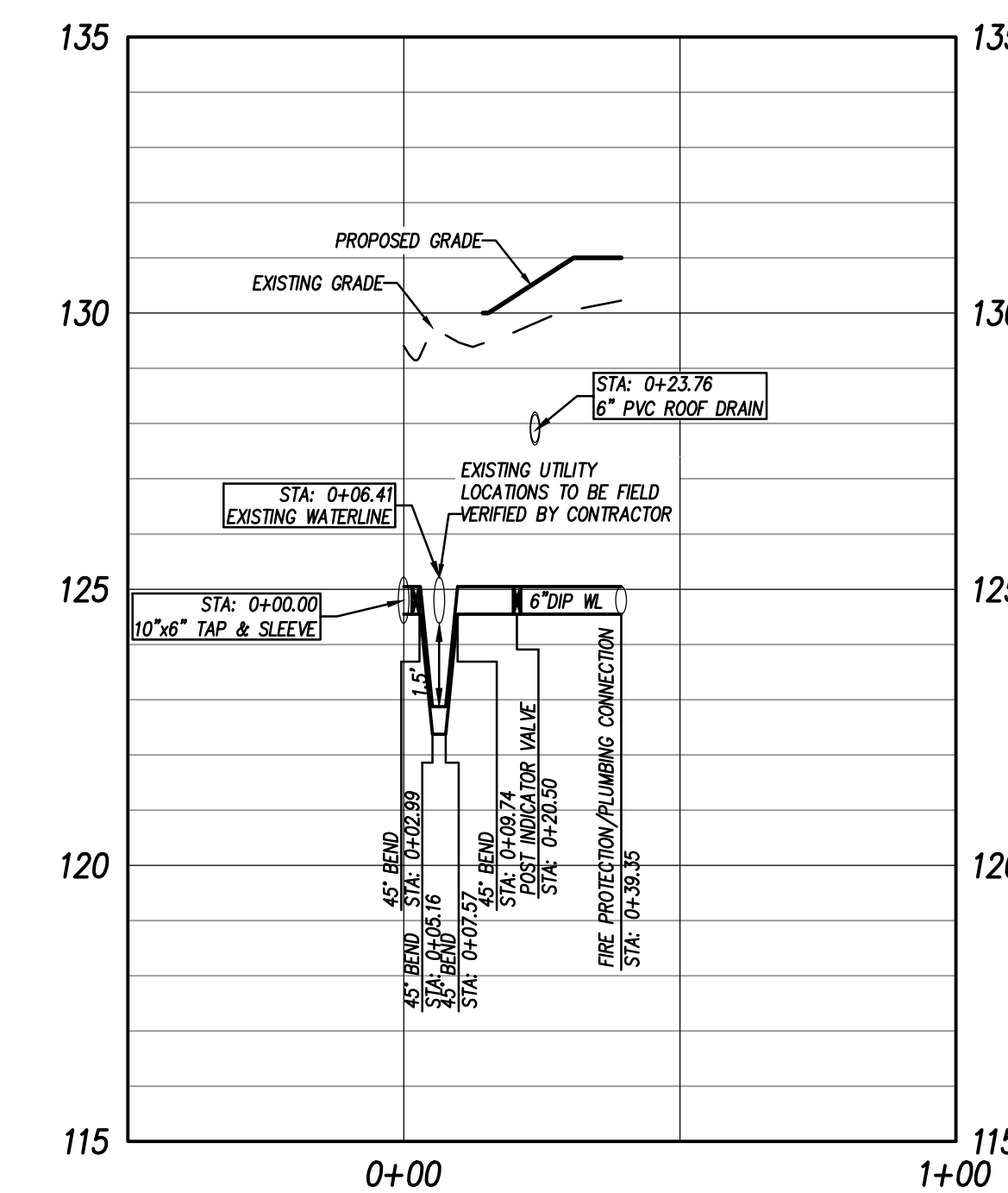
NC 581 FIRE HYDRANT - PLAN VIEW



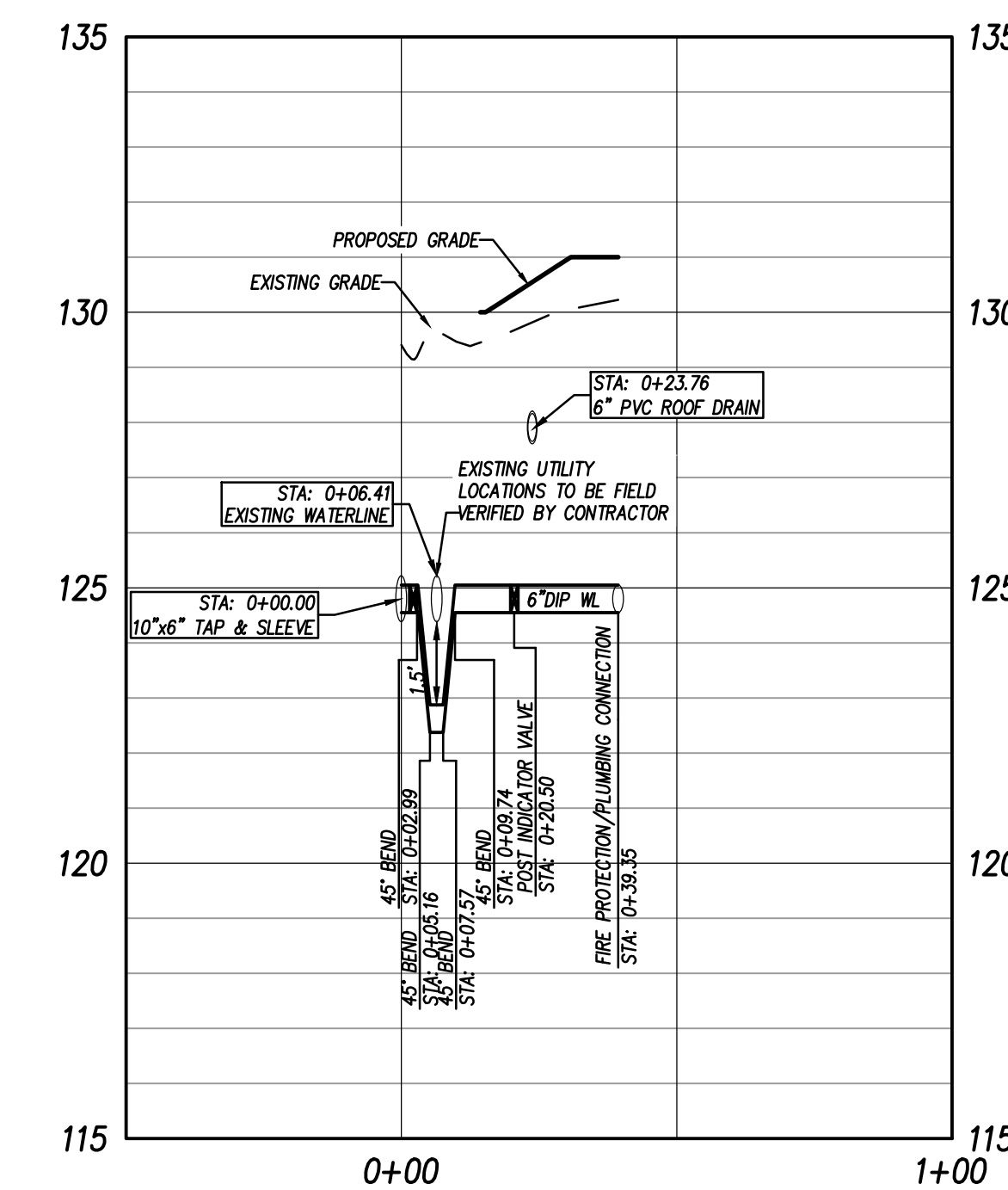
DOMESTIC WATER LINE - PROFILE VIEW



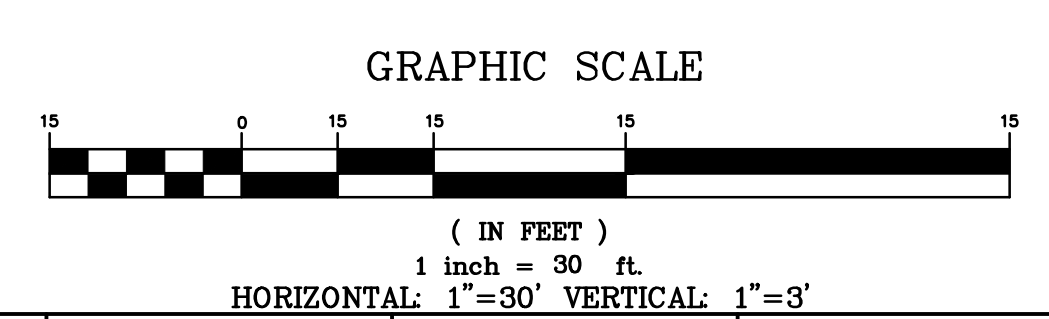
ROSEWOOD RD. FIRE HYDRANT - PROFILE VIEW



FIRE PROTECTION LINE - PROFILE VIEW



NC 581 FIRE HYDRANT - PROFILE VIEW



GRAPHIC SCALE



PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

SEALS



Digitally signed by Steven J. Miller  
Date: 2025.01.30 16:37:20 -05'00'

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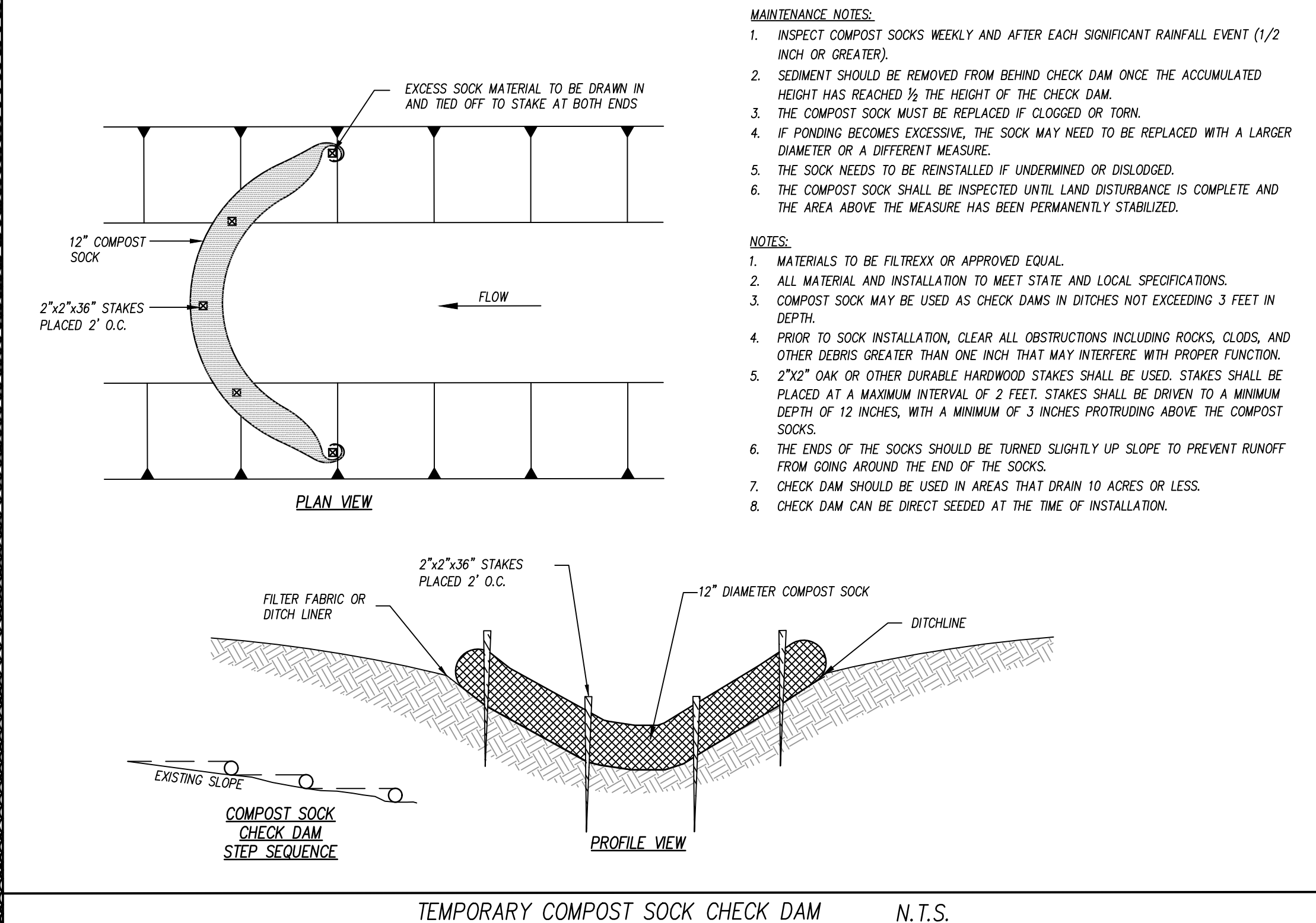
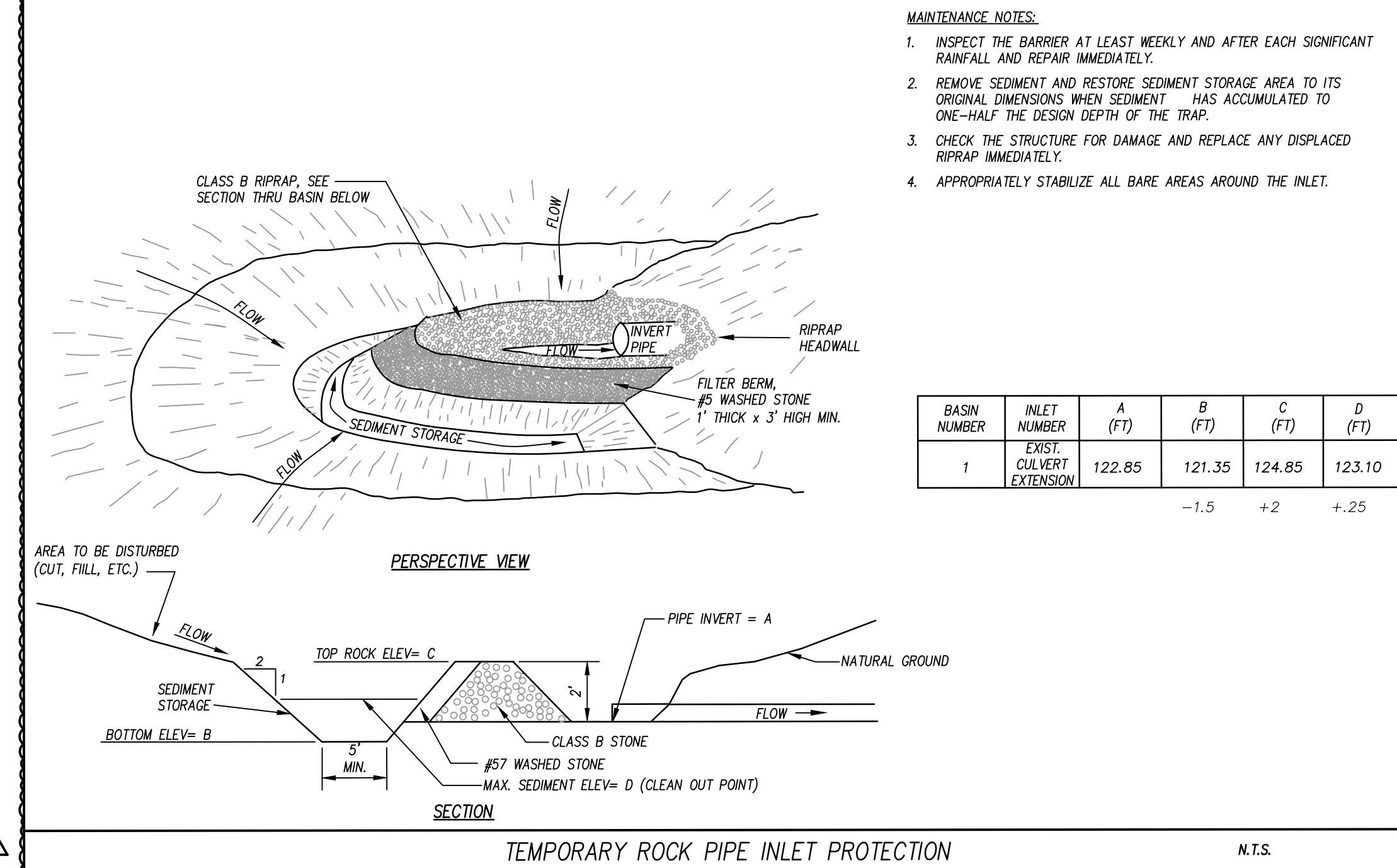
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BID DOCUMENTS  
01/10/2025

SHEET TITLE

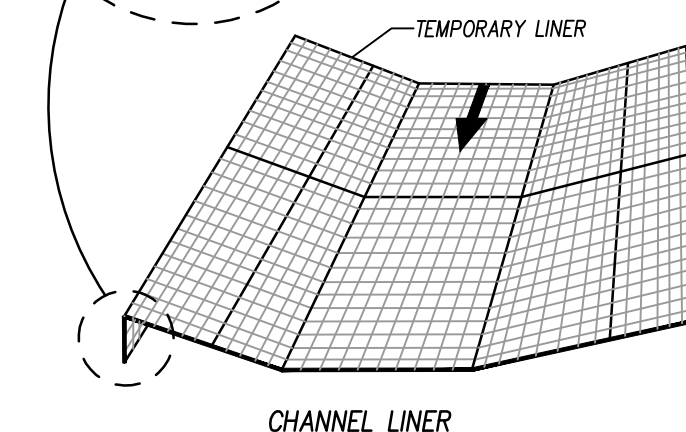
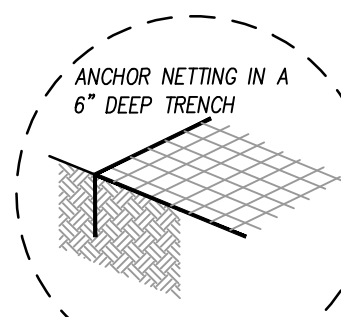
EROSION  
CONTROL & SCM  
DETAILS

C-7.02



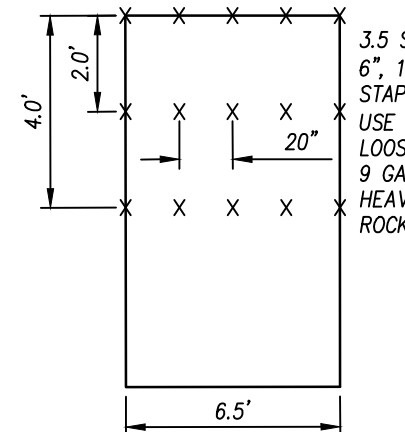
- CONSTRUCTION NOTES:**
1. SEE SPECIFICATIONS FOR TEMP. LINING, RIPRAP AND FILTER FABRIC REQUIREMENTS.
  2. RIPRAP CHANNELS SHALL BE OVER-EXCAVATED RIPRAP TO BE PLACED FLUSH WITH PROPOSED CHANNEL GRADE.
  3. PREPARE SOIL BEFORE INSTALLING MATS OR NETS, INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED.
  4. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE NET OR MAT IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
  5. ROLL CENTER MAT OR NET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
  6. PLACE MAT OR NET OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE.
  7. FULL LENGTH EDGE OF MAT OR NET AT TOP SIDE SLOPES SHALL BE ANCHORED IN 6" DEEP TRENCH AFTER STAPLING.
  8. MATS OR NETS SHALL BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED.
  9. THE TERMINAL END OF THE MAT OR NET MUST BE ANCHORED IN A 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

- MAINTENANCE NOTES:**
1. GRASS-LINED CHANNELS TO BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL EVENT, DURING THE ESTABLISHMENT AND AFTER THE ESTABLISHMENT PERIOD.
  2. REPAIRS ARE TO BE MADE IMMEDIATELY.
  3. REMOVE SEDIMENT ACCUMULATIONS TO MAINTAIN DESIGNED CARRYING CAPACITY.
  4. GRASS IS TO BE HEALTHY AND IN VIGOROUS CONDITIONS AT ALL TIMES.

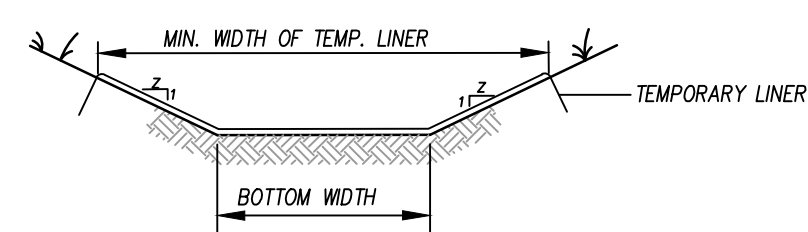


CHANNEL LINER

CHANNEL SCHEDULE						
CHANNEL	BOTTOM WIDTH (FT)	SIDE SLOPE (H:V)	CHANNEL GRADE	CHANNEL LENGTH	TEMP. LINING	MIN. TOP WIDTH OF LANE (FT)
1	2	5:1	1.50%	140 LF	GRASS	8'
2	3	5:1	0.50%	50 LF	GRASS	9'



EXCELSIOR MAT STAPLE PATTERN N.T.S.



GRASS-LINED CHANNEL N.T.S.

CHANNEL SECTIONS

N.T.S.



PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 381 S. Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS		
1	ADDENDUM #1	2/3/2025

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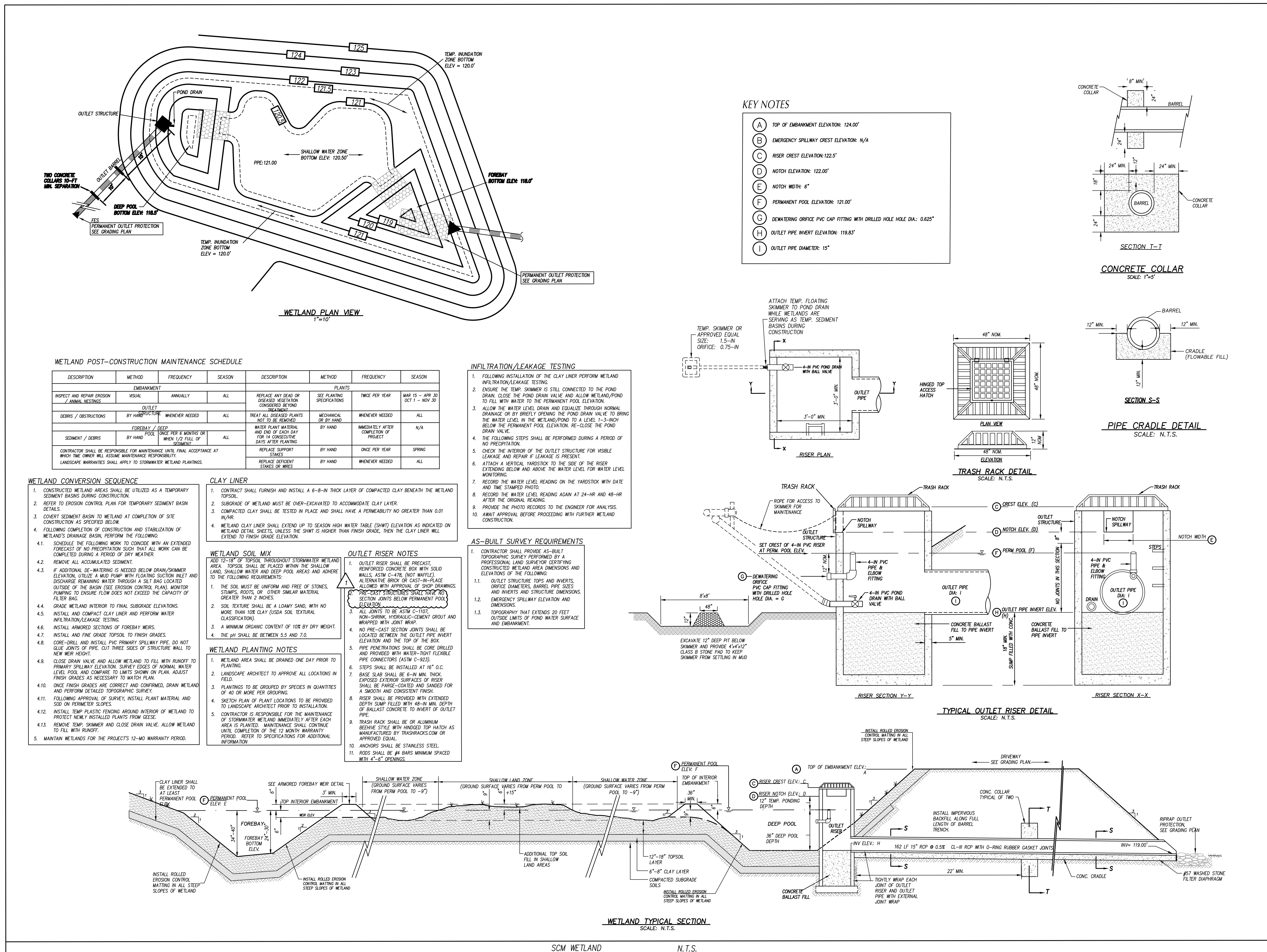
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Drawn by: PH  
Plot Date: 01/08/2025

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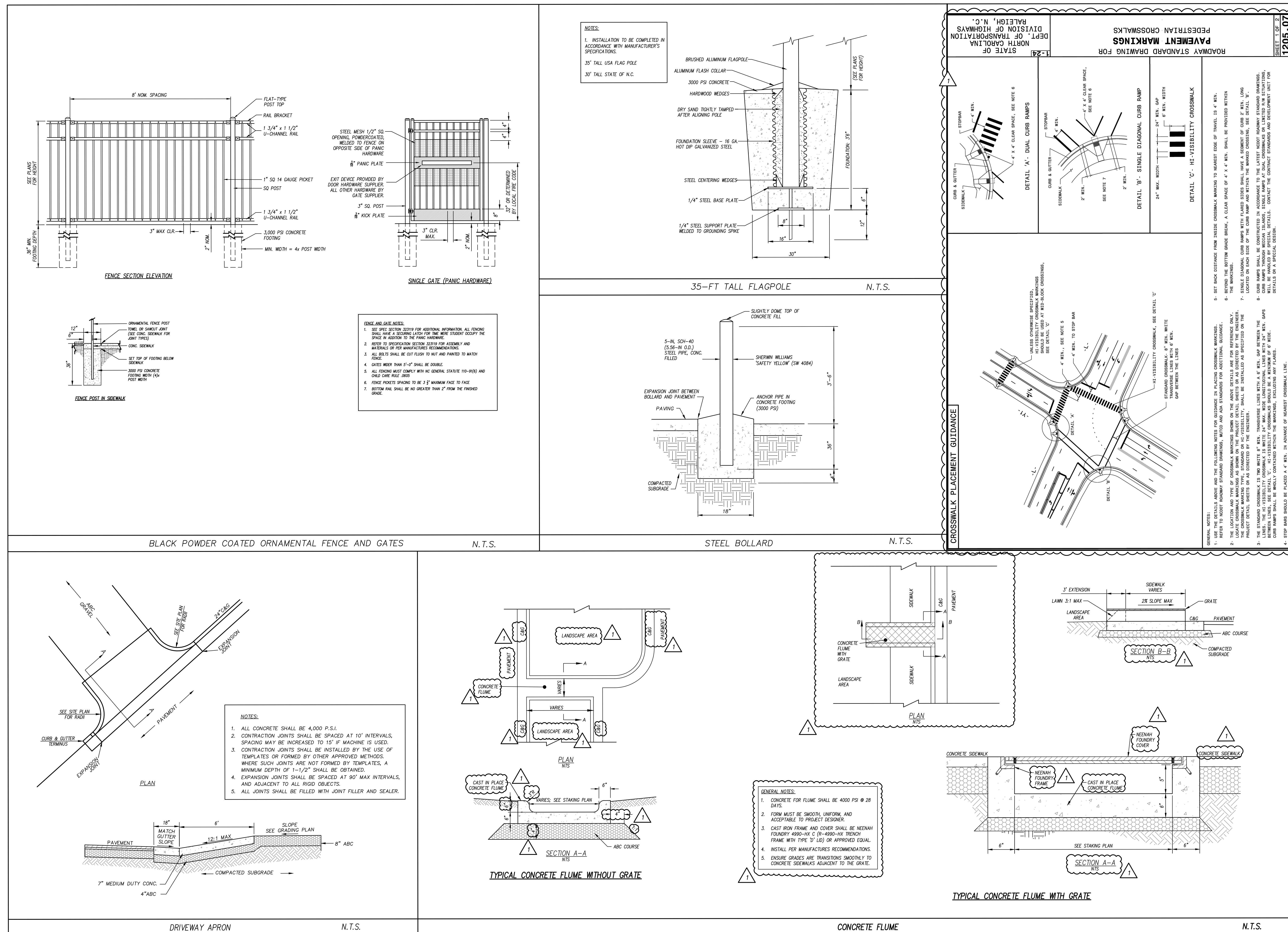
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SHEET TITLE  
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CONTROL & SCM  
DETAILS

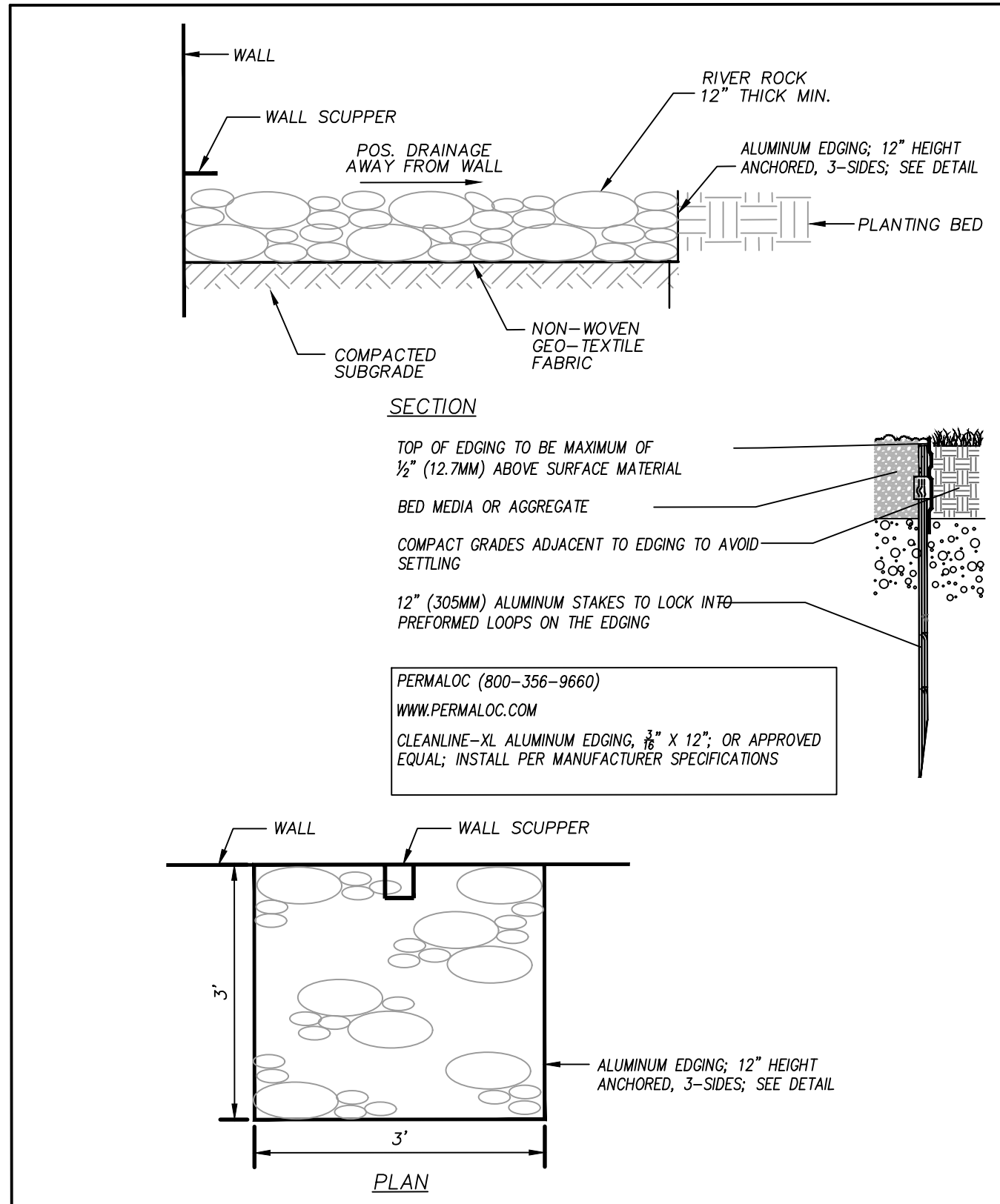
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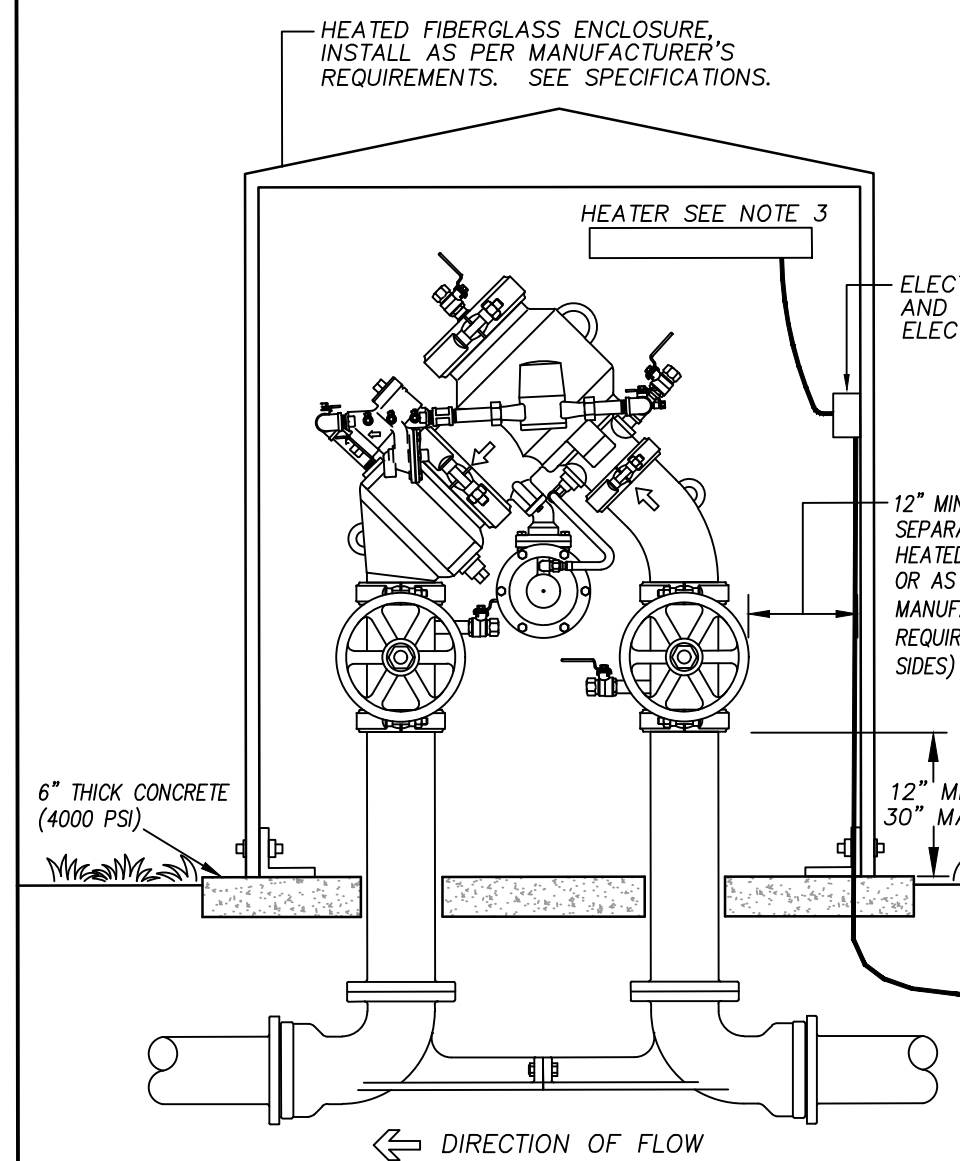






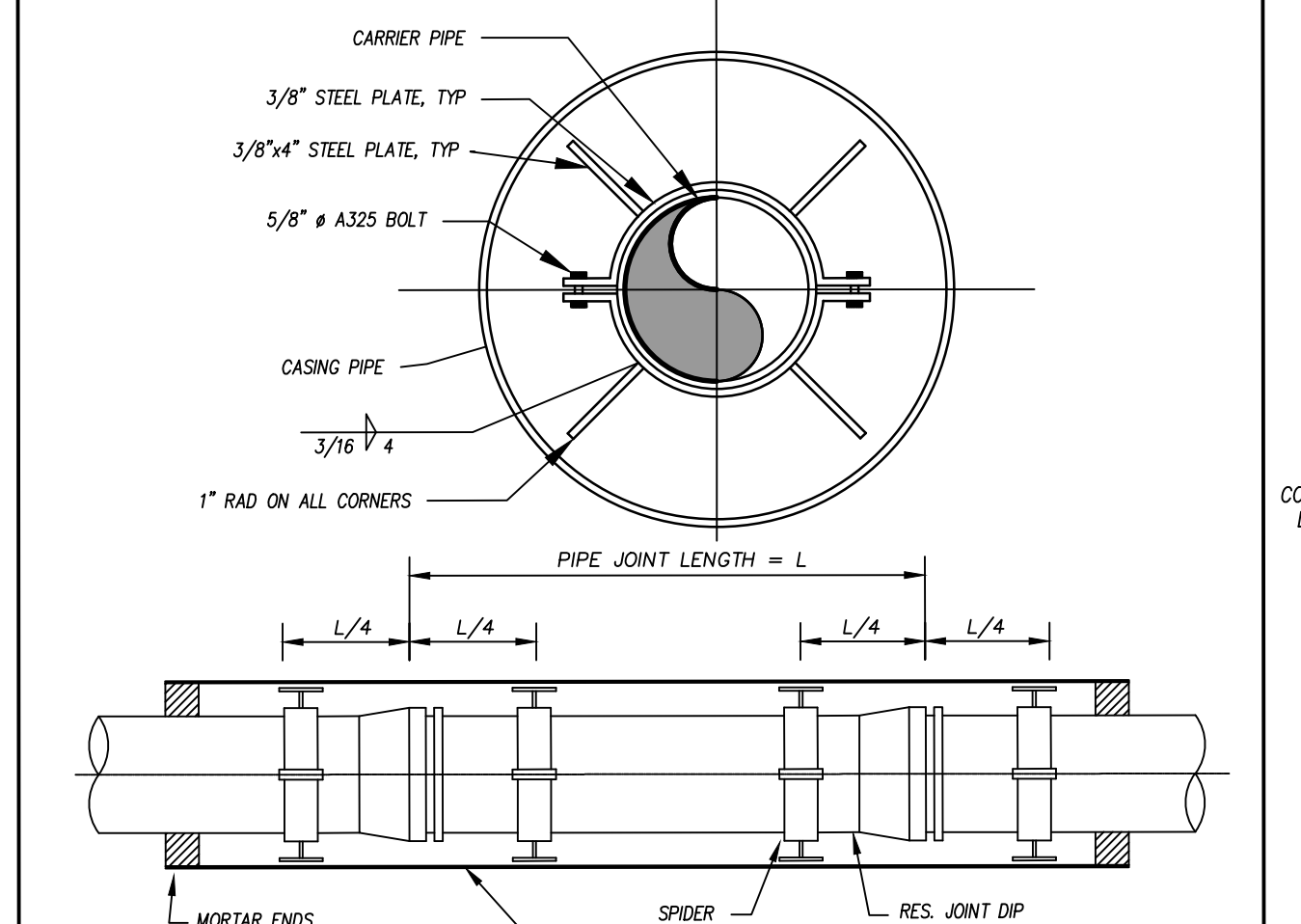
SPLASH PAD N.T.S.

- NOTES:
- REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) SHALL BE WATTS MODEL 9570PDA OR APPROVED EQUAL. ALL BACKFLOW PREVENTERS SHALL BE AS LISTED AS APPROVED BY THE LOCAL GOVERNING AUTHORITY.
  - SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS OF BACKFLOW PREVENTER, VALVES, ENCLOSURE, ETC.
  - HEATER AND POWER CORD BY G.C., SEE SPECIFICATIONS INSTALL PER MANUFACTURER'S INSTRUCTIONS.
  - PROVIDE PVC SLEEVES AT PIPE PENETRATIONS OF CONCRETE BASE SLAB.
  - PROVIDE TAMPER SWITCHES ON BOTH GATE VALVES.

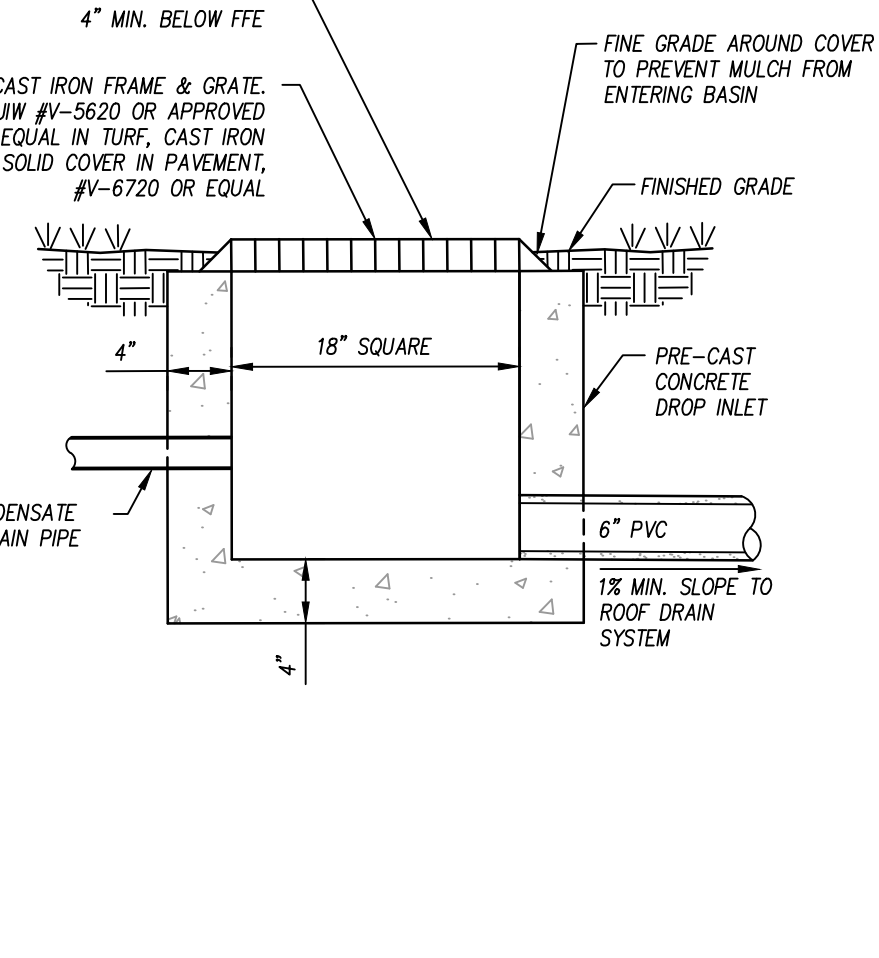


REDUCED PRESSURE DETECTOR ASSEMBLY N.T.S.

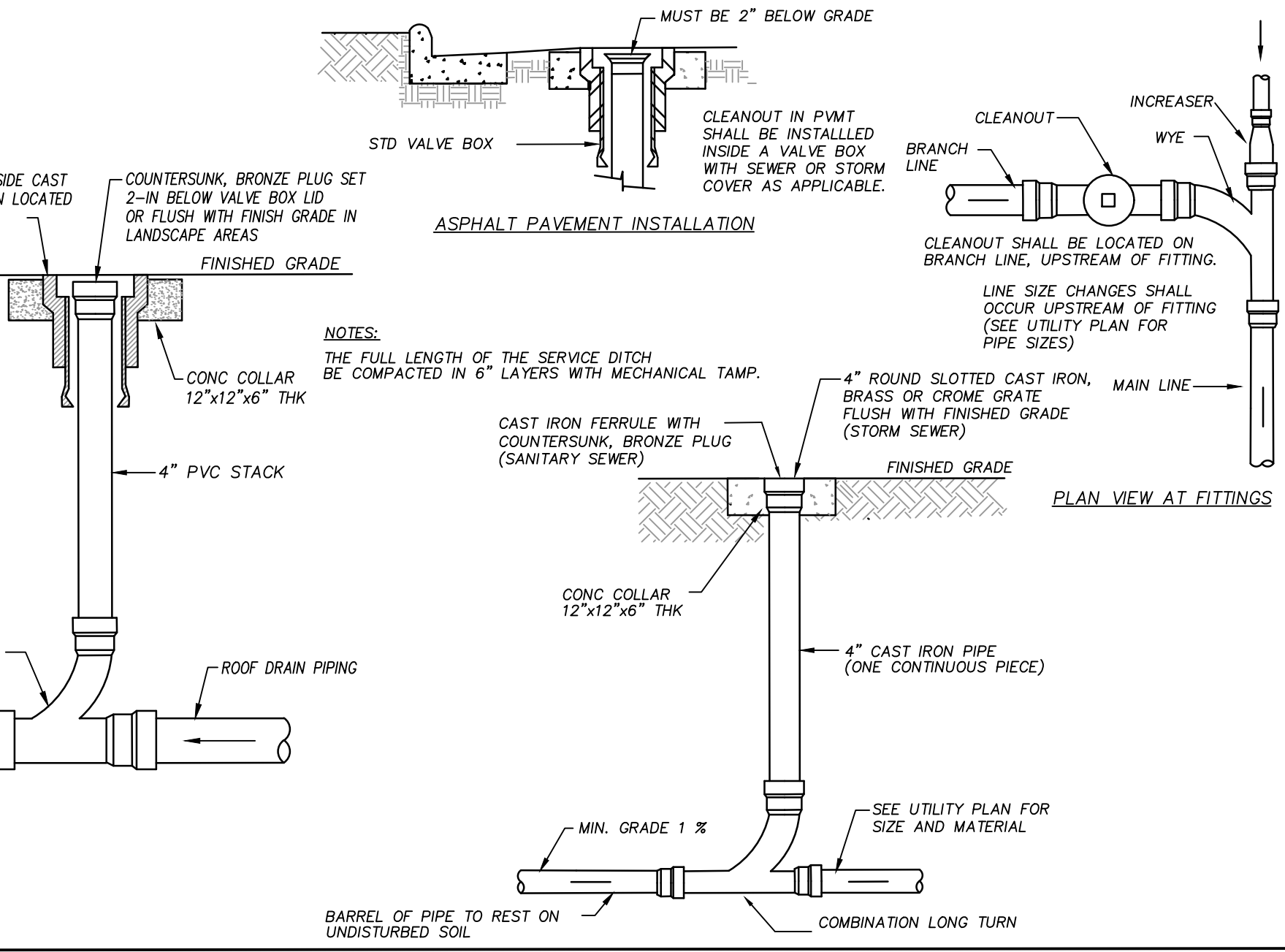
- NOTES:
- ENCASUREMENT PIPE SHALL BE HIGH STRENGTH STEEL, SPIRAL WELDED OR SMOOTH-WALL SEAMLESS PER ASTM A 139 AND ASTM A 283, GRADE 50 STEEL WITH A MIN. YIELD STRENGTH OF 35,000-PSI, MIN. WALL THICKNESS OF 0.375-IN.
  - EXTERIOR OF ENCASUREMENT PIPE SHALL BE COATED WITH TWO COATS OF A COMPATIBLE BLACK EPOXY WITH A TOTAL DRY FILM THICKNESS OF 16-MILS PER COAT. EPOXY COATING SHALL BE THINUC-H-BUILD TONING-TAB SERIES 400-H13, OR APPROVED EQUAL. PIPE SHALL BE COATED INSIDE AND OUTSIDE IN ACCORDANCE WITH AWWA C203 AND ANY ADDITIONAL REQUIREMENTS OF THE NCDOT.
  - METAL "SPIDER" PIPE ALIGNMENT GUIDE DEVICES SHALL BE INSTALLED IN ALL CASINGS WITH A MINIMUM OF TWO SPIDERS PER CARRIER PIPE JOINT LOCATED 1/4 OF THE PIPE JOINT LENGTH IN FROM BOTH THE BELL AND SPIGOT ENDS.



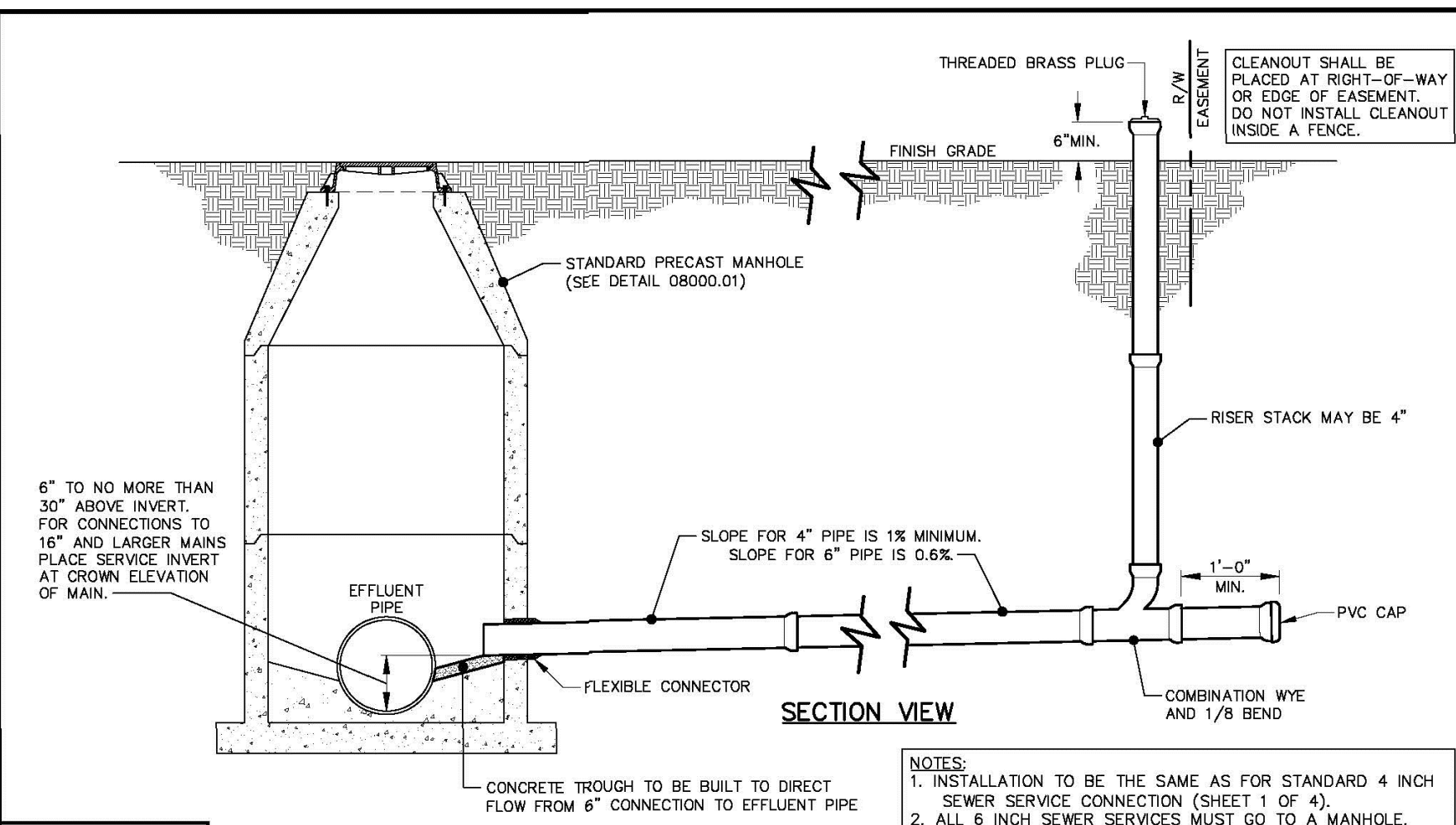
BORE AND JACK ENCASEMENT N.T.S.



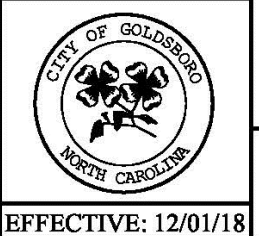
CONDENSATE RELIEF BASIN N.T.S.



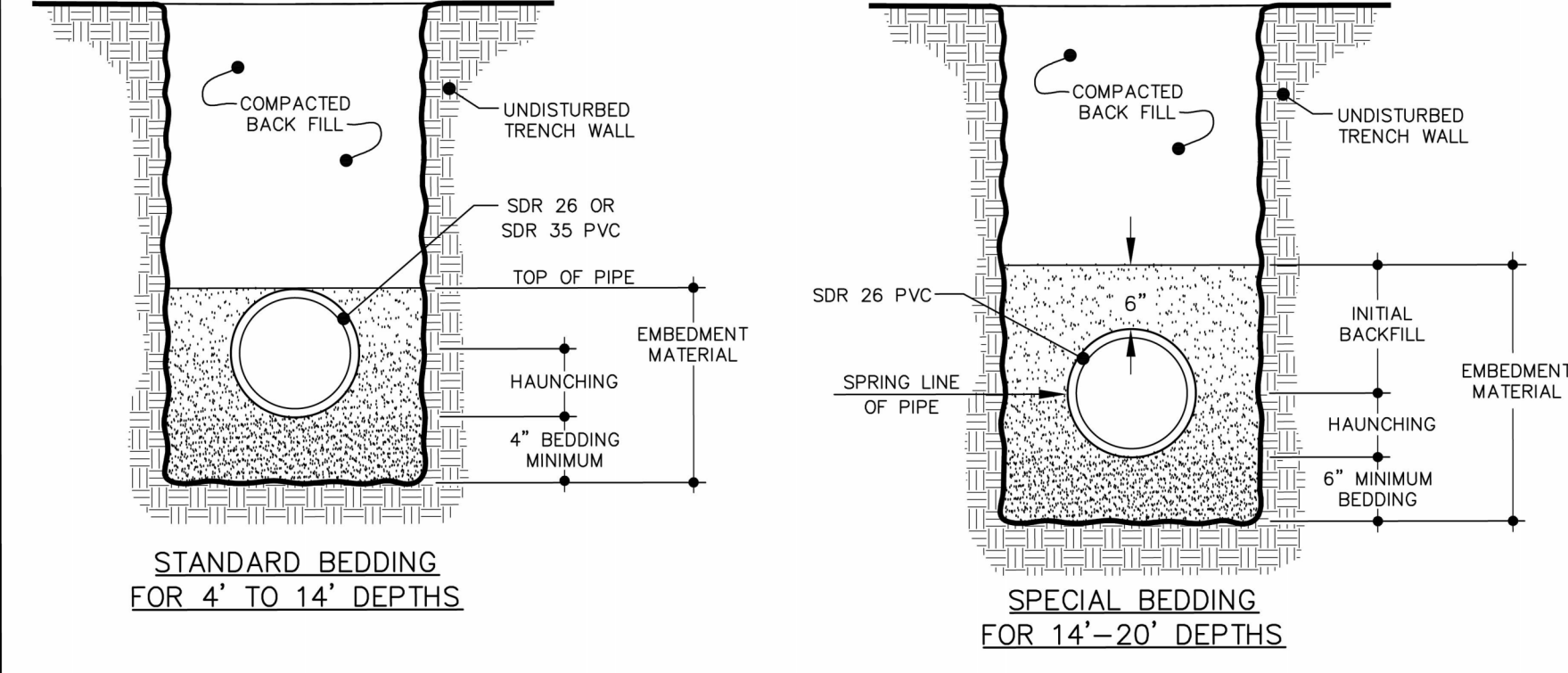
ROOF DRAIN CLEANOUT N.T.S.



STANDARD SANITARY SEWER SERVICE MANHOLE TAP



EFFECTIVE: 12/01/18

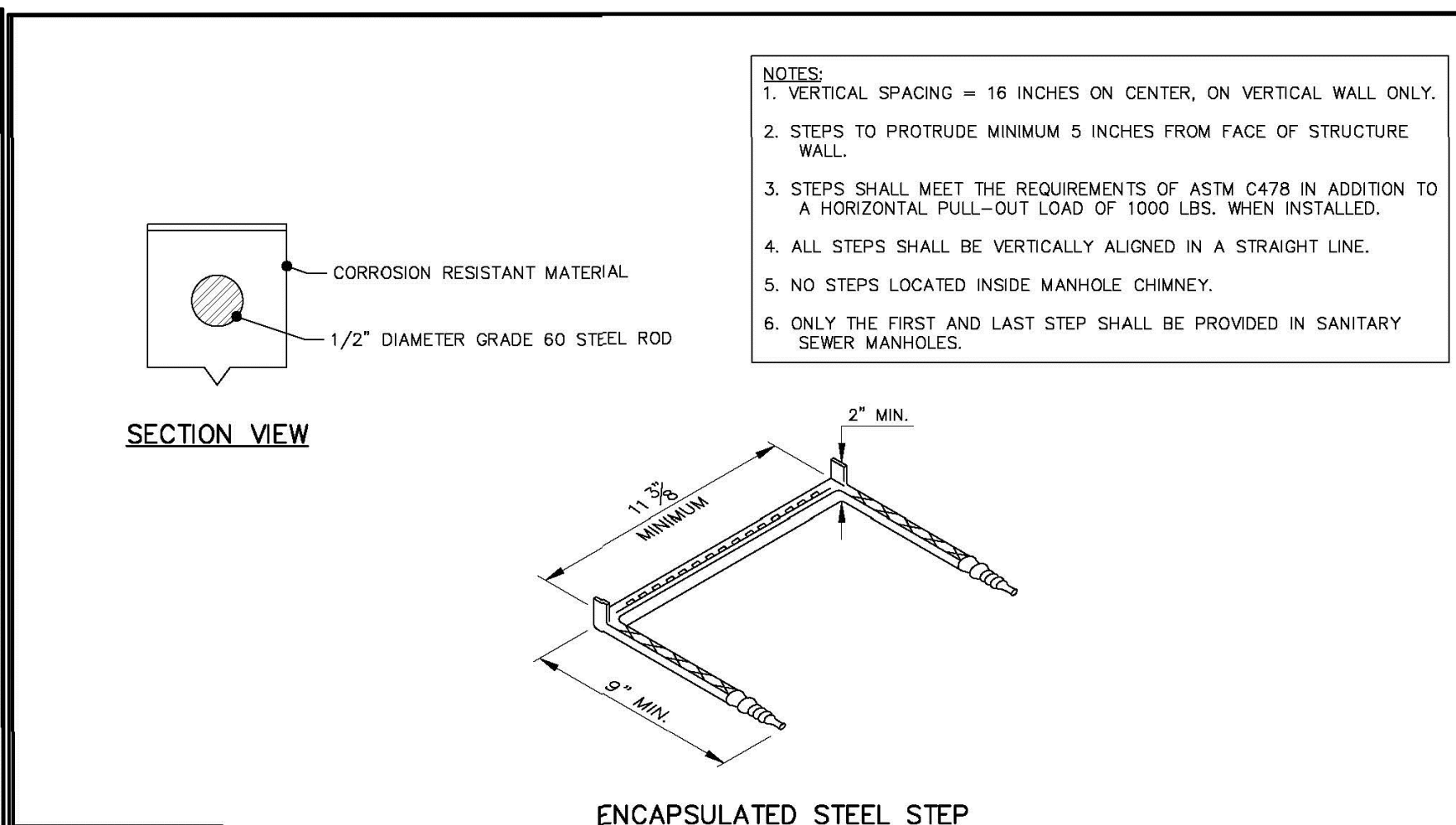


- NOTES:
- EMBEDMENT MATERIAL MUST BE CLASS 1 (#67 OR #78M WASHED STONE IS TYPICALLY USED).
  - EMBEDMENT MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY FOR CLASS 1 MATERIAL.
  - UNSTABLE TRENCH BOTTOMS SHALL HAVE AN APPROVED FOUNDATION PRIOR TO PIPELINE INSTALLATION.
  - ALL SANITARY SEWER LINES LESS THAN 4 FEET AND OVER 20 FEET IN DEPTH MUST BE DUCTILE IRON PIPE.

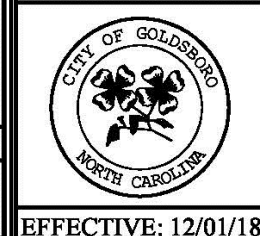


EFFECTIVE: 12/01/18

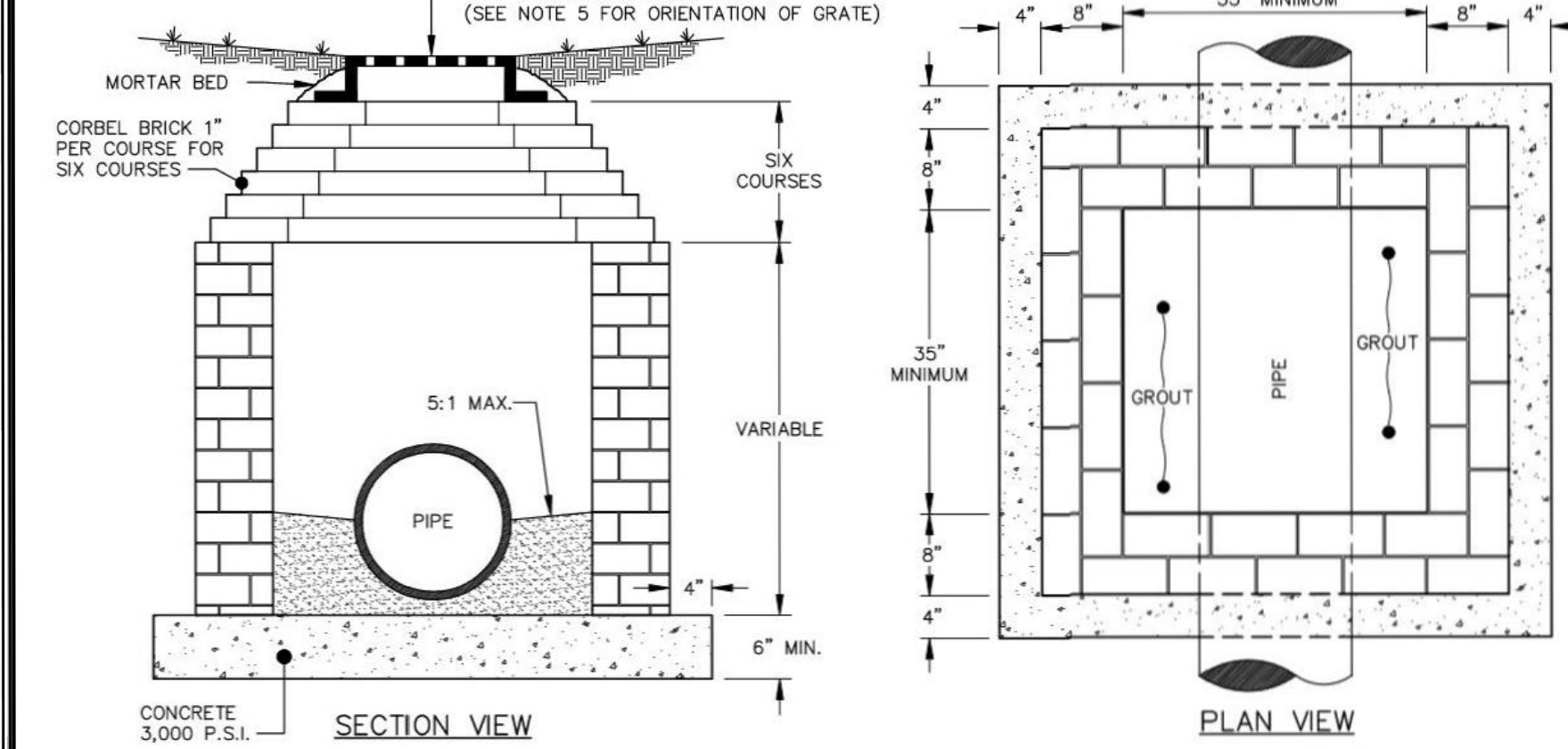
BEDDING FOR PVC SANITARY SEWER PIPE



STANDARD MANHOLE STEPS



EFFECTIVE: 12/01/18

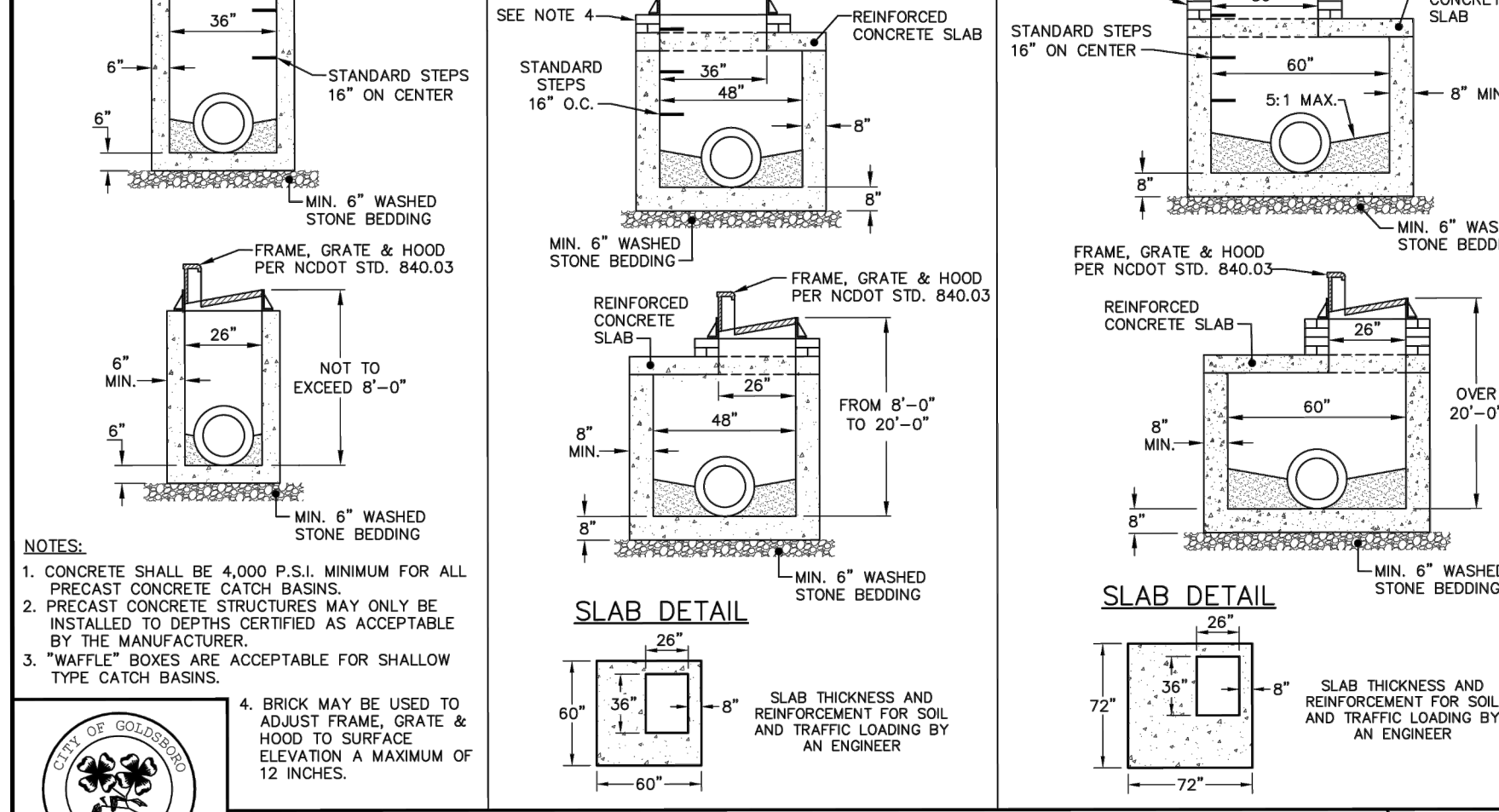


- NOTES:
- EITHER SOLID BRICK, SOLID BLOCK, OR PRECAST CONCRETE MAY BE USED.
  - FOR 24 INCH RIP AND LARGER USE PIPE DIAMETER PLUS 12 INCHES FOR MINIMUM INSIDE DIMENSION.
  - GRATED INLETS SHALL NOT BE USED WITHIN TRAVEL AREAS.
  - STANDARD STEPS REQUIRED, 16 INCHES ON CENTER, WHERE DEPTH EXCEEDS 3 FEET.
  - WHERE STEPS ARE REQUIRED, USE OF PRECAST CONCRETE SLAB SHALL BE USED AS TOP AND GRATE POSITIONED OVER STEPS.
  - YARD INLETS DEEPER THAN 10 FEET SHALL REQUIRE DOUBLE WALLS.



EFFECTIVE: 12/01/18

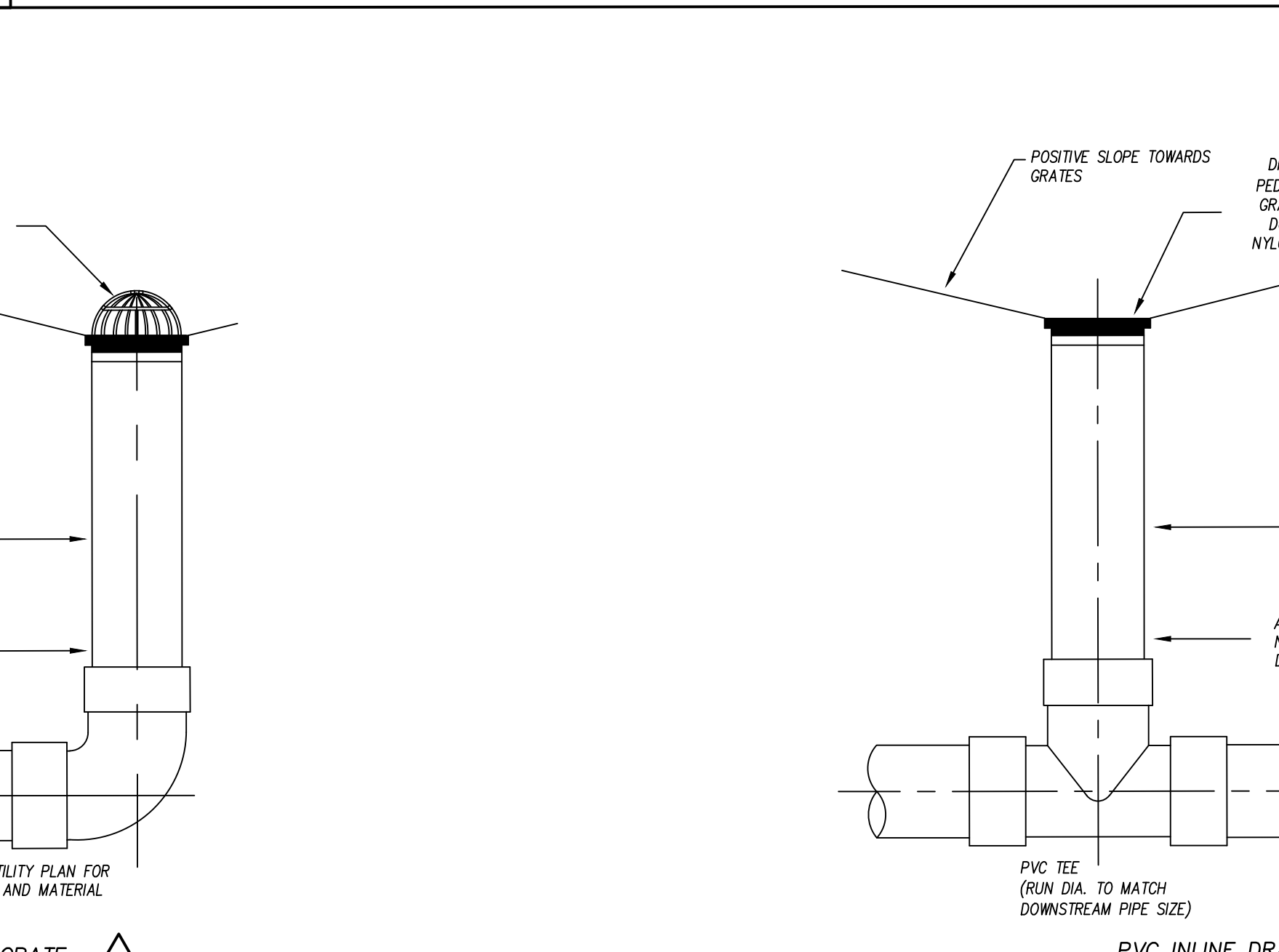
STANDARD YARD INLET WITH GRATE AND FRAME



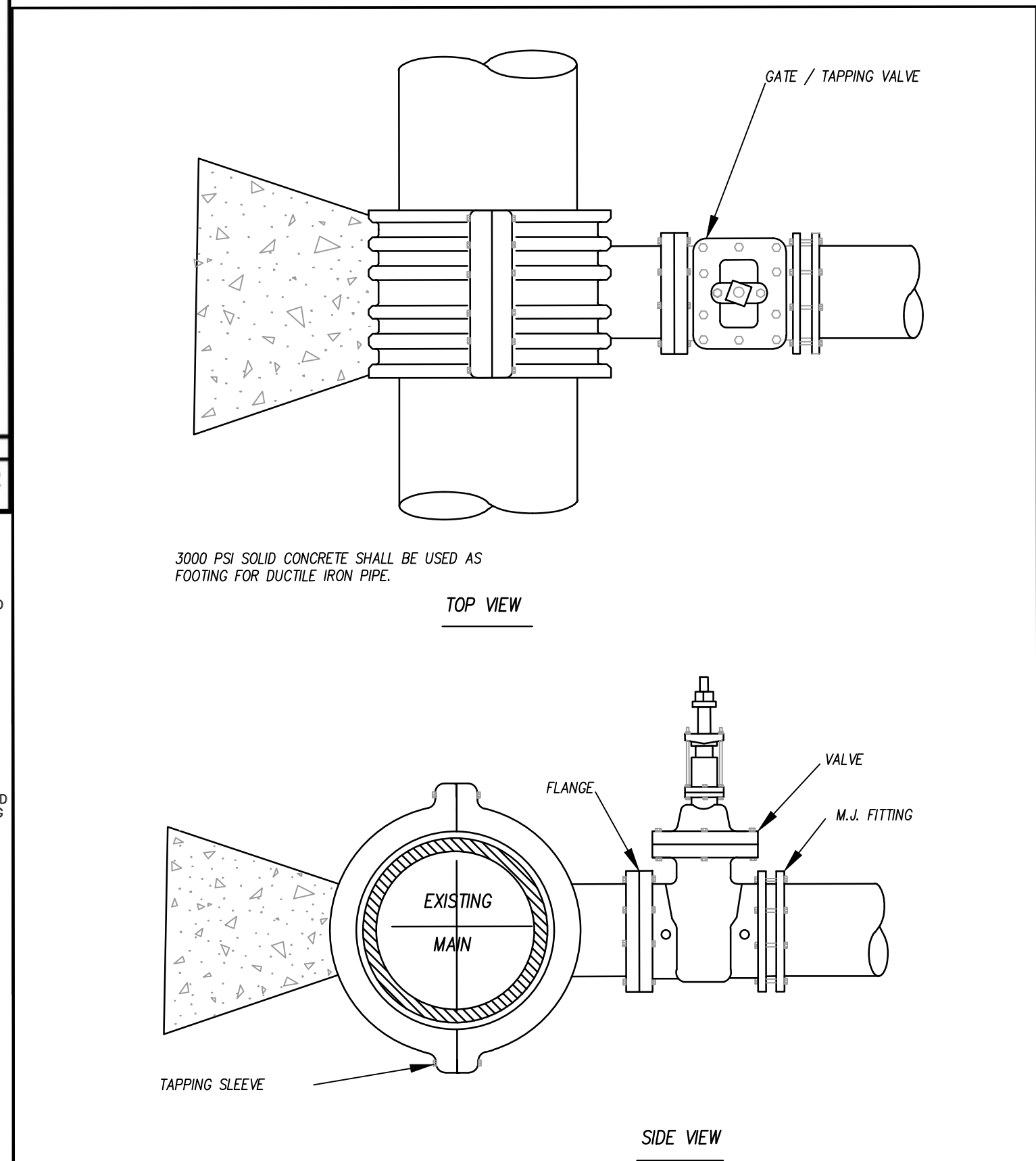
STANDARD PRECAST CONCRETE CATCH BASIN



EFFECTIVE: 12/01/18

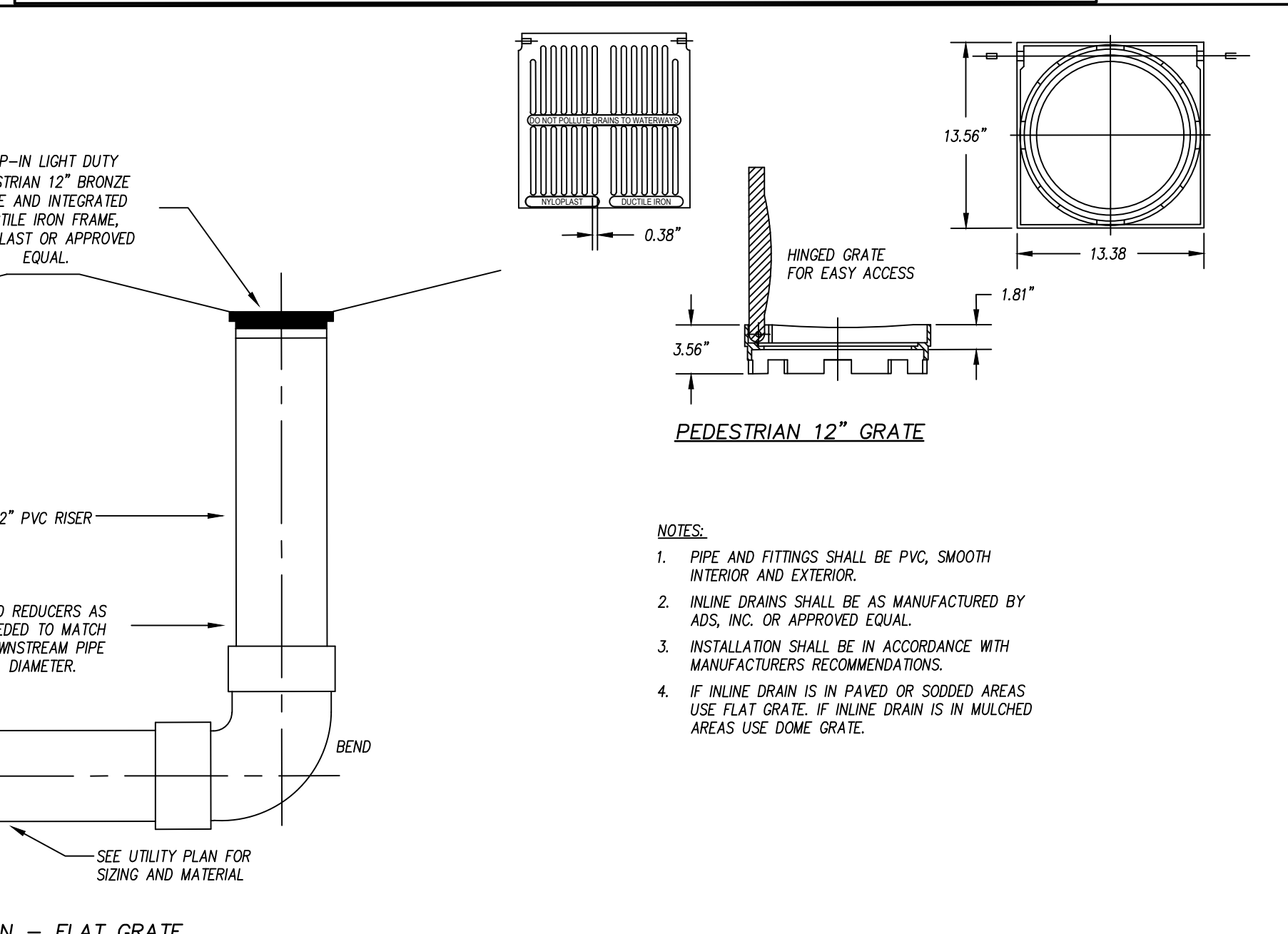


PVC INLINE DRAIN N.T.S.



- NOTES:
- CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT FITTINGS.
  - SEE STANDARD REACTION BLOCK TABLES FOR VOLUME OF CONCRETE REQUIRED.

TAPPING SLEEVE & VALVE ASSEMBLY N.T.S.



PEDESTRIAN 12\"/>

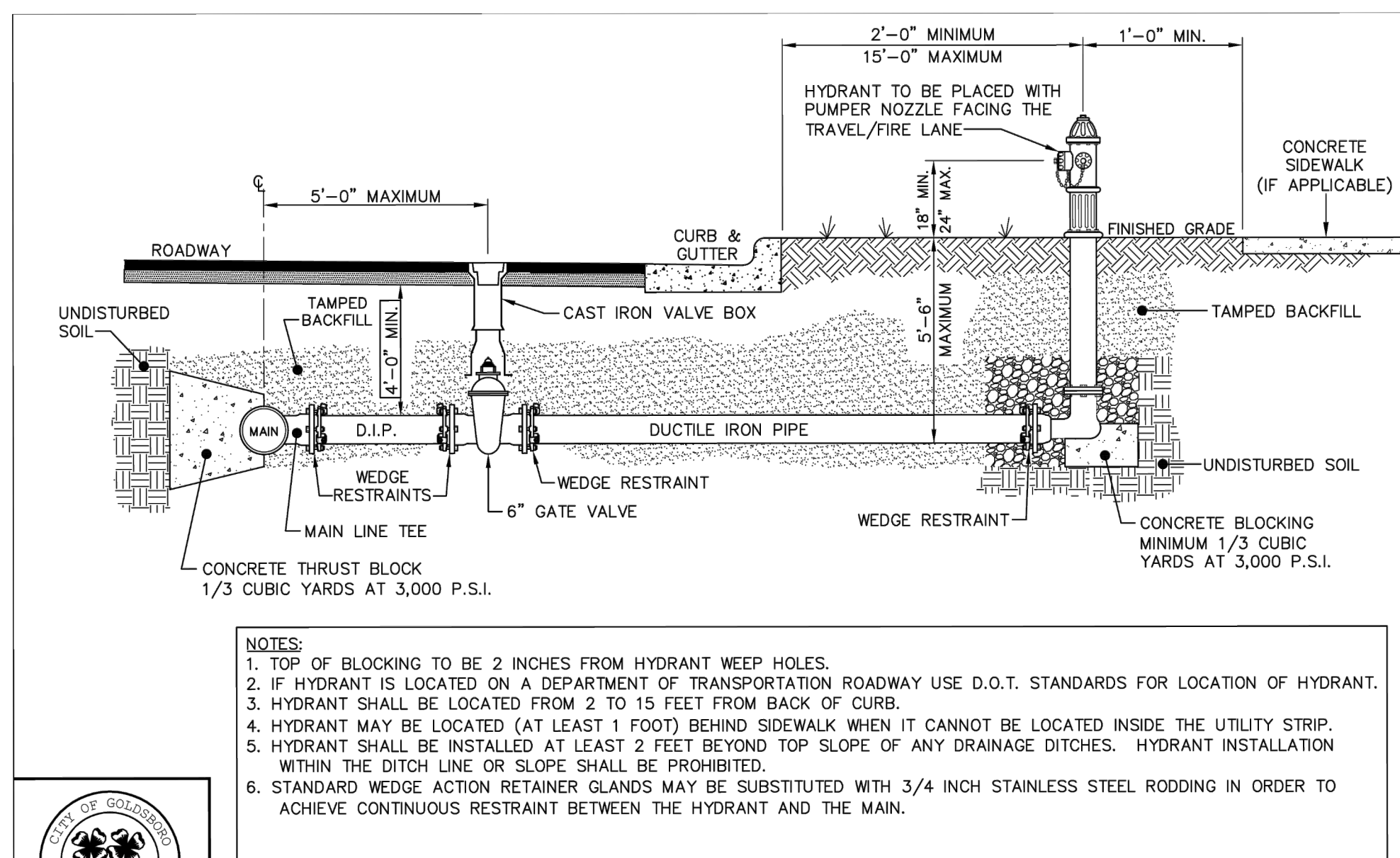
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1	ADDENDUM #1	2/3/2025



REVISIONS	
1	ADDENDUM #1 2/3/2025

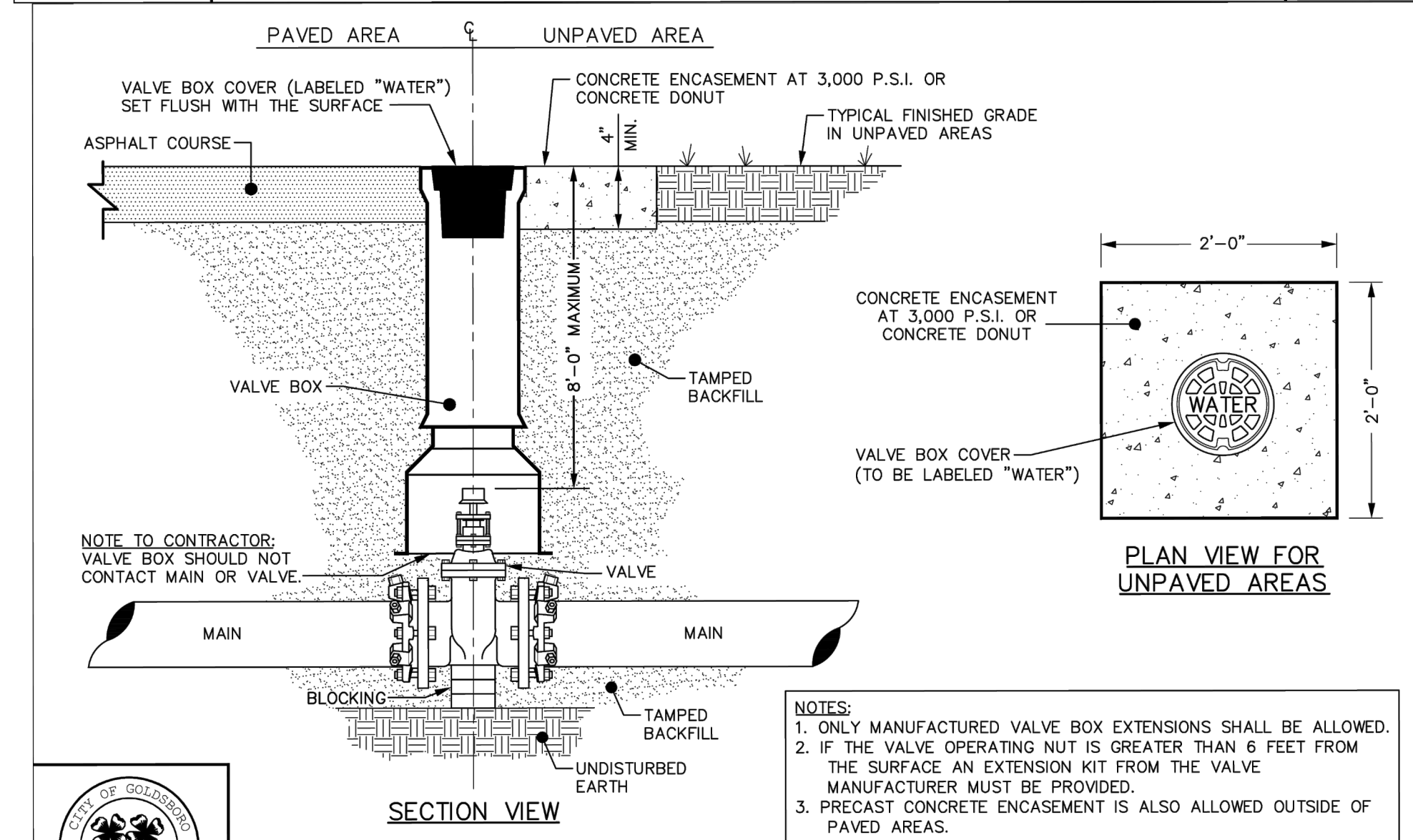
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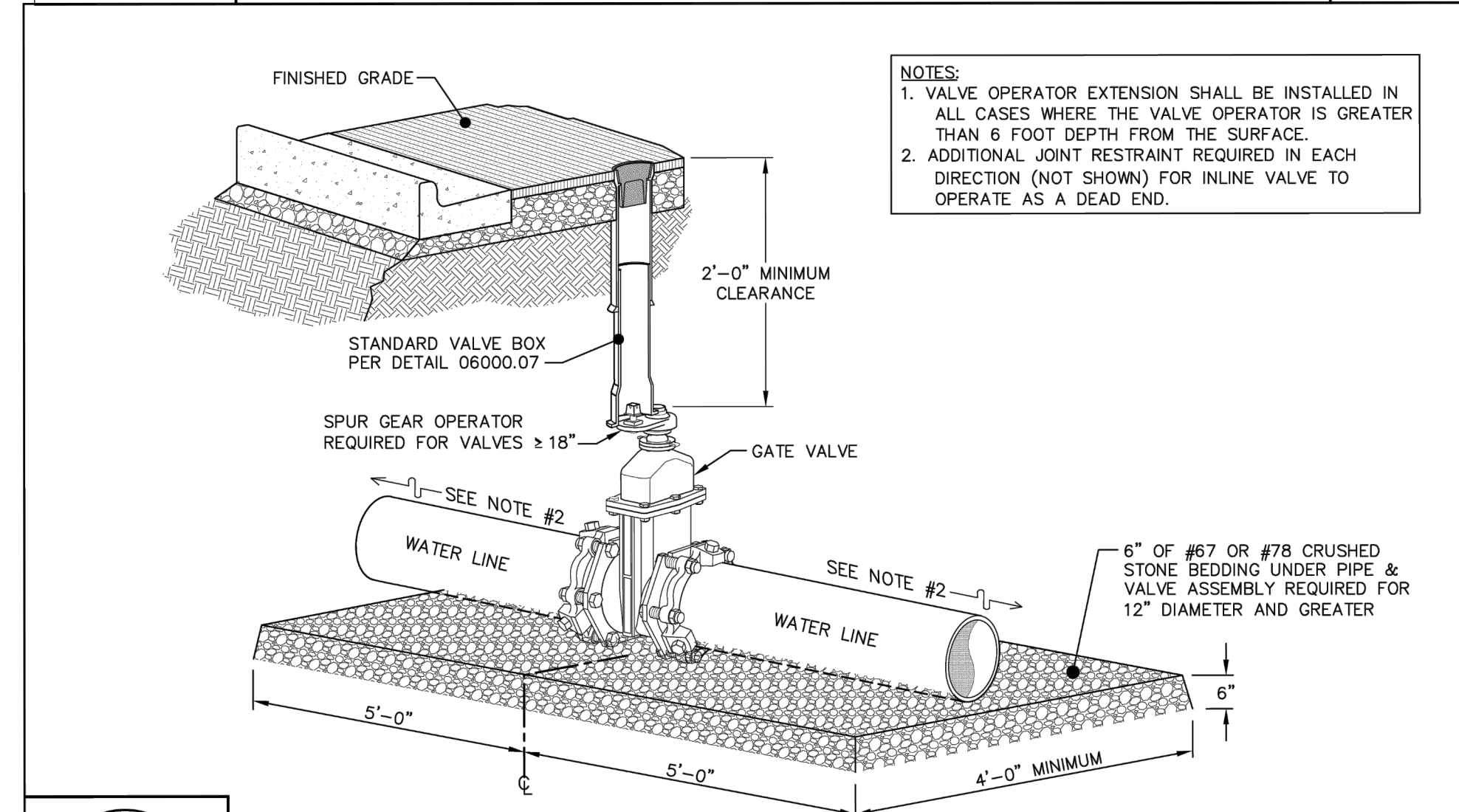
STANDARD HYDRANT INSTALLATION FOR ROADS WITH CURB AND GUTTER

DETAIL No.  
06000.05  
SHEET 1 OF 2



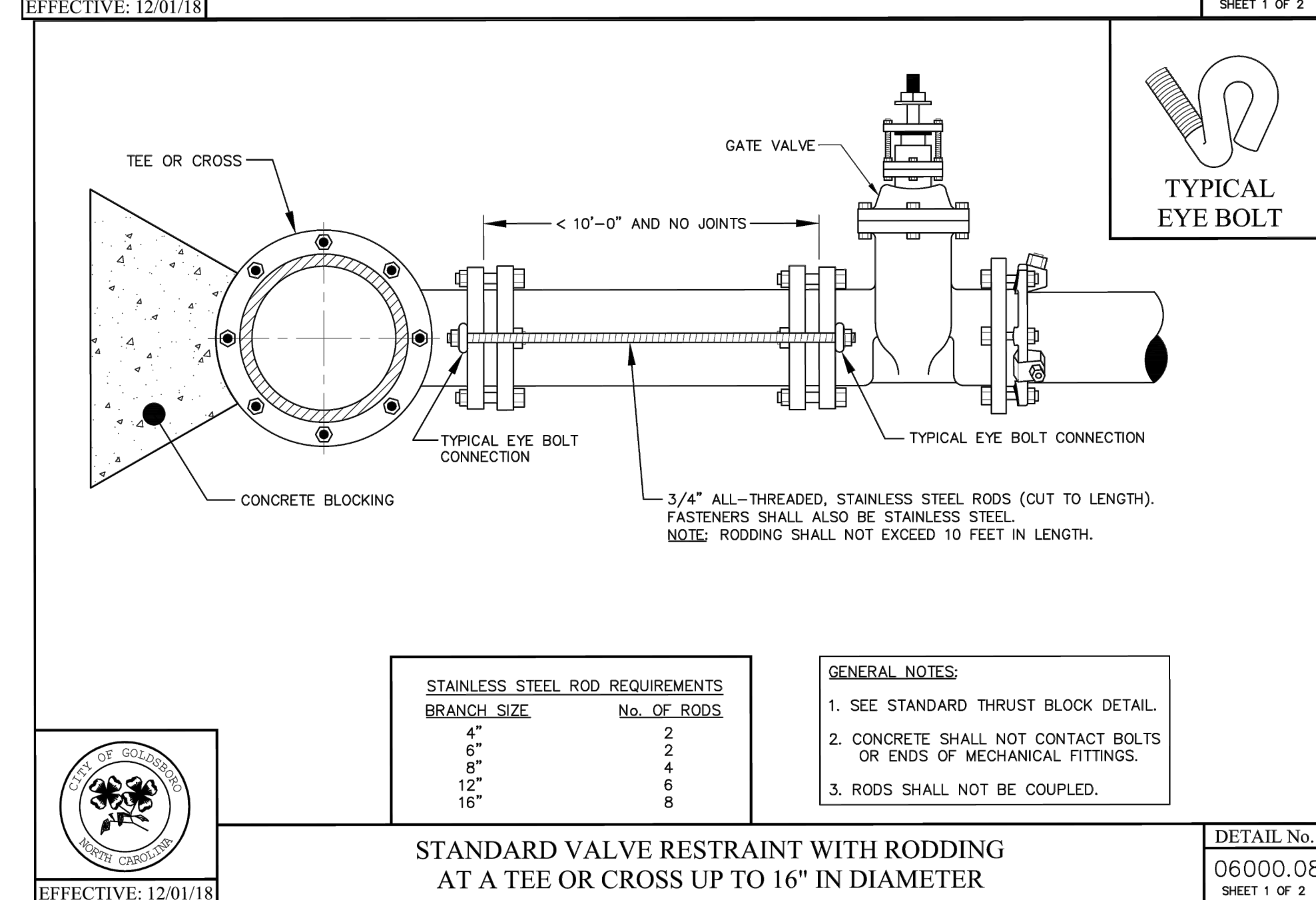
STANDARD WATER VALVE BOX INSTALLATION

DETAIL No.  
06000.07  
SHEET 1 OF 2



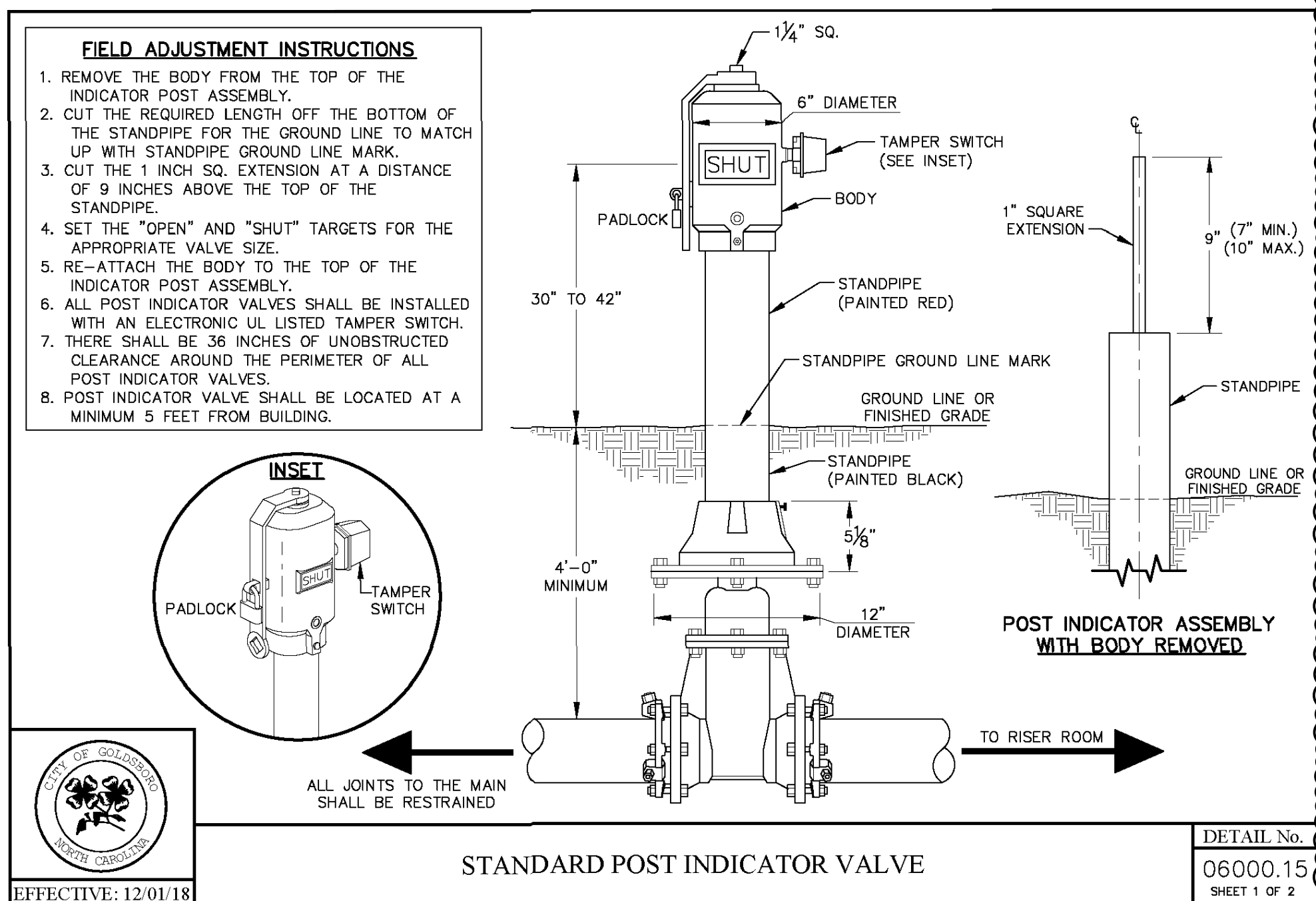
RESILIENT WEDGE GATE VALVE ASSEMBLY FOR VERTICAL INSTALLATIONS

DETAIL No.  
06000.09  
SHEET 1 OF 2



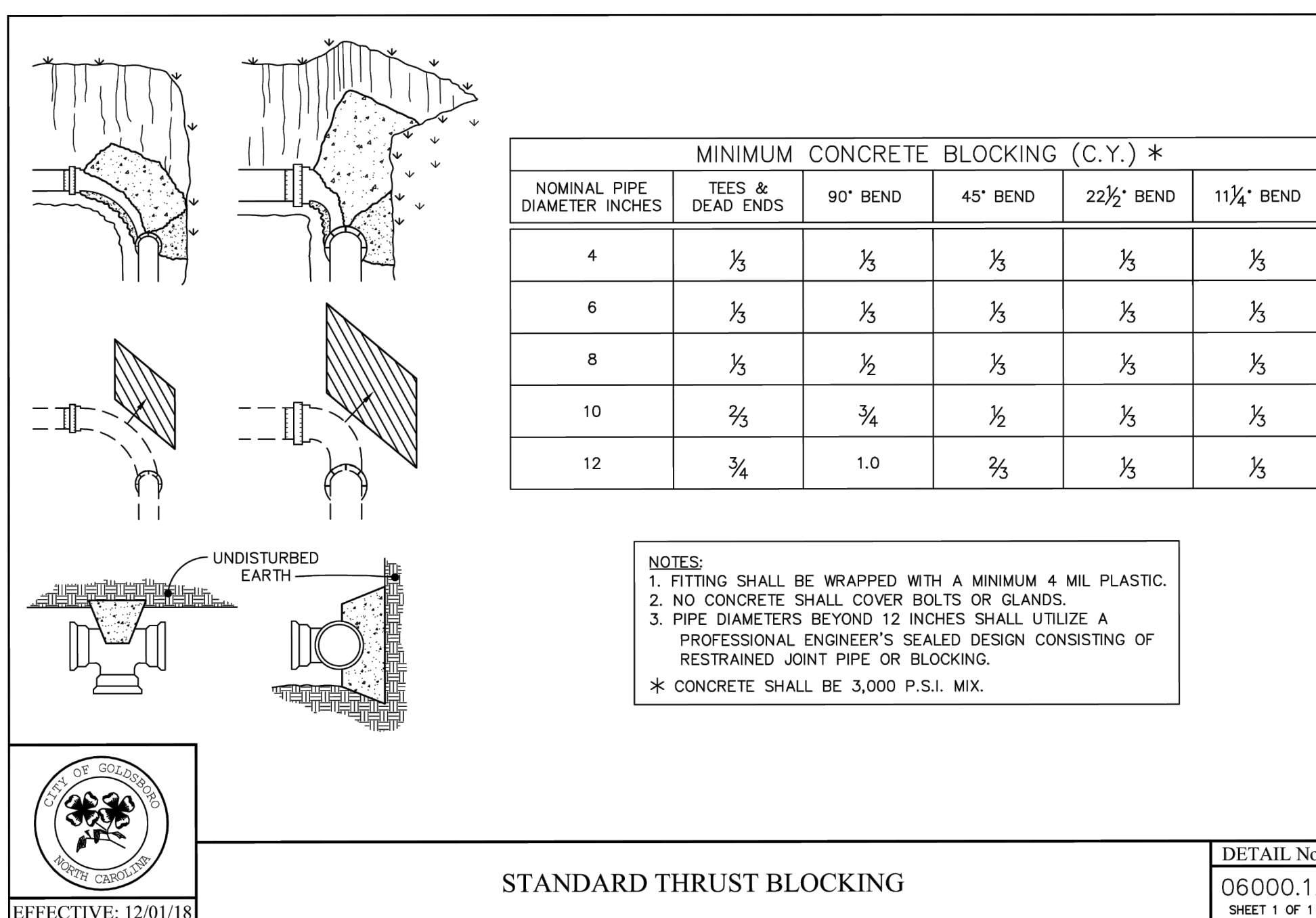
STANDARD VALVE RESTRAINT WITH RODDING AT A TEE OR CROSS UP TO 16" IN DIAMETER

DETAIL No.  
06000.08  
SHEET 1 OF 2



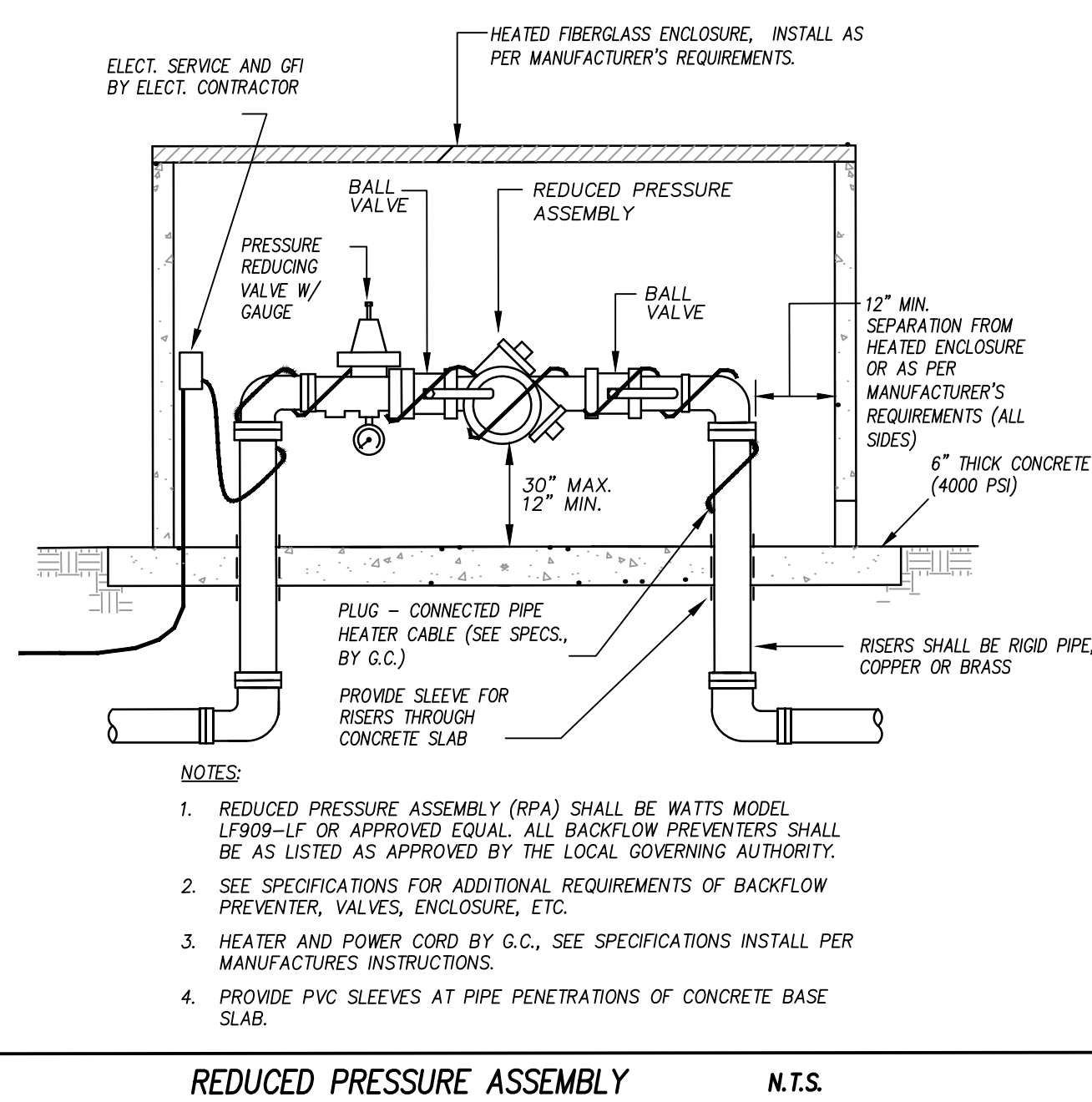
STANDARD POST INDICATOR VALVE

DETAIL No.  
06000.15  
SHEET 1 OF 2



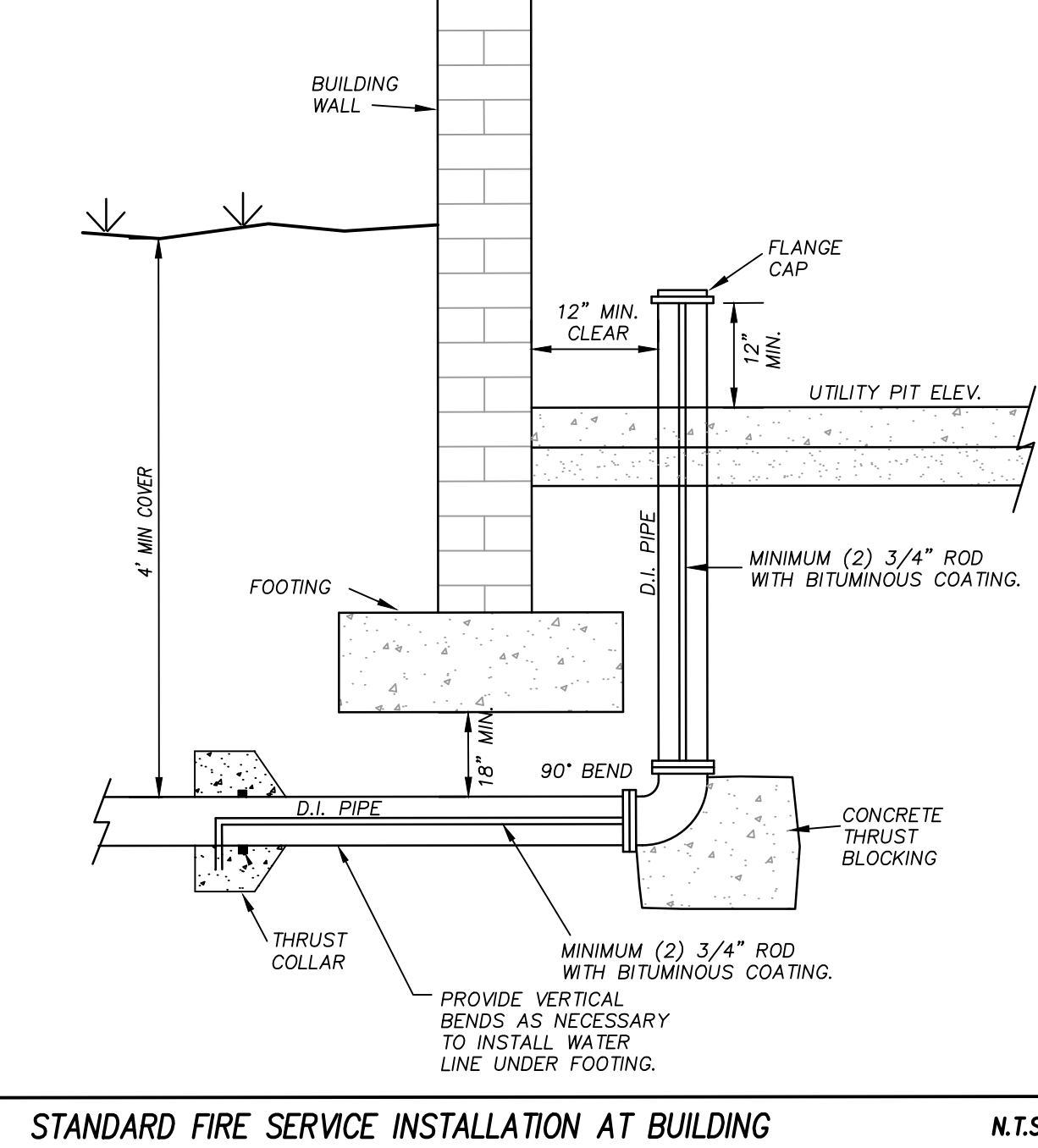
STANDARD THRUST BLOCKING

DETAIL No.  
06000.12  
SHEET 1 OF 1



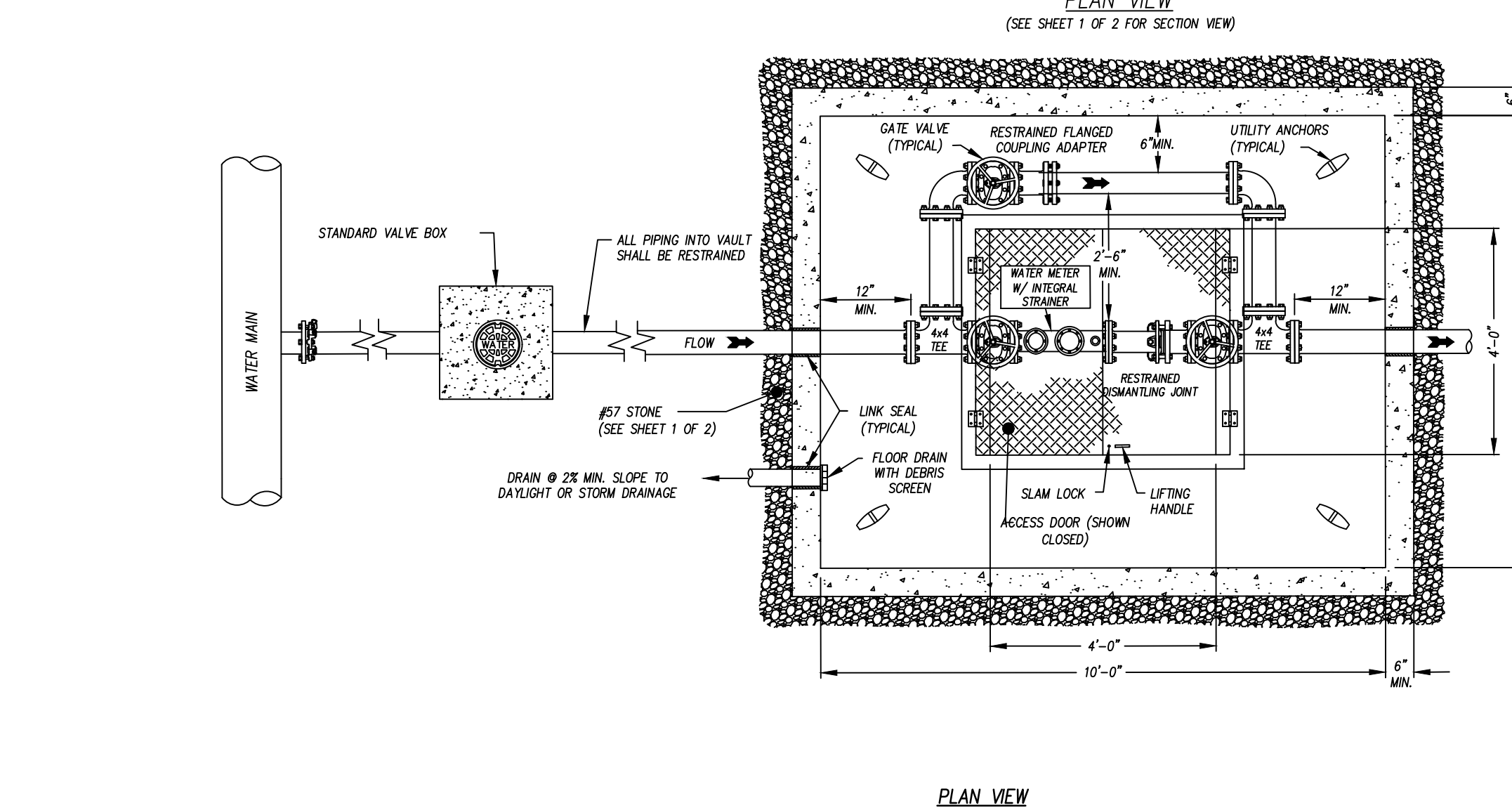
REDUCED PRESSURE ASSEMBLY

N.T.S.

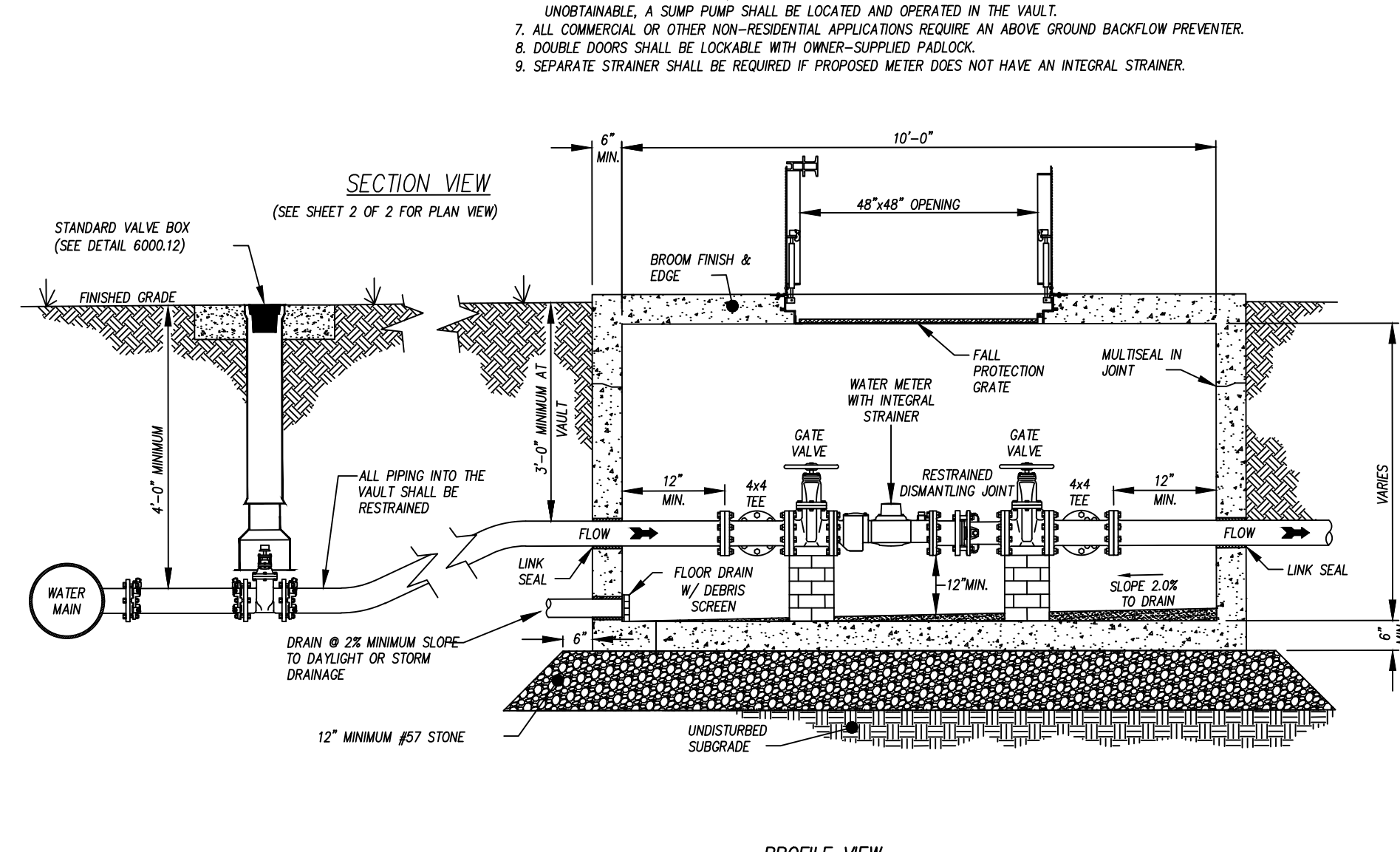


STANDARD FIRE SERVICE INSTALLATION AT BUILDING

N.T.S.

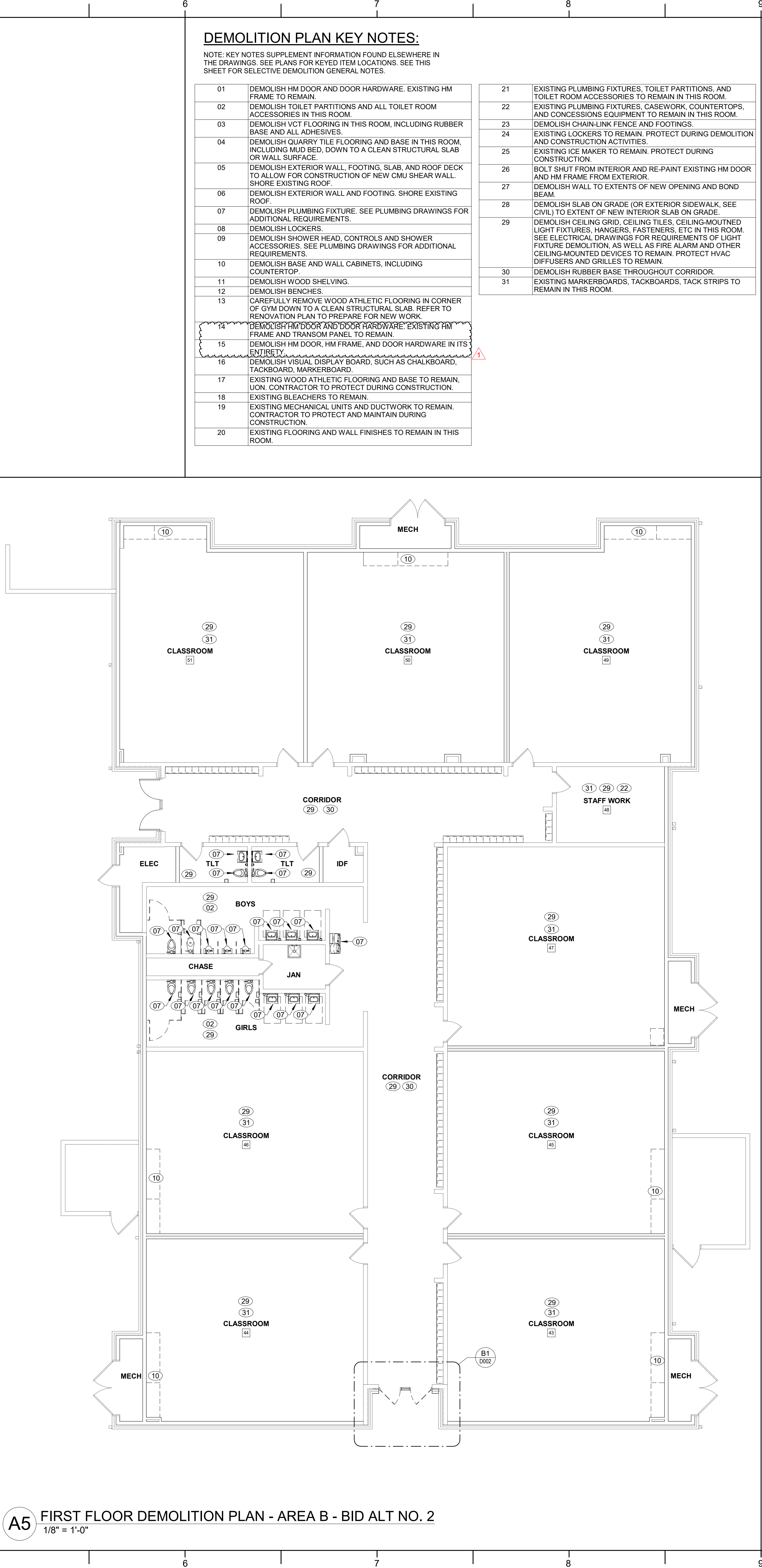
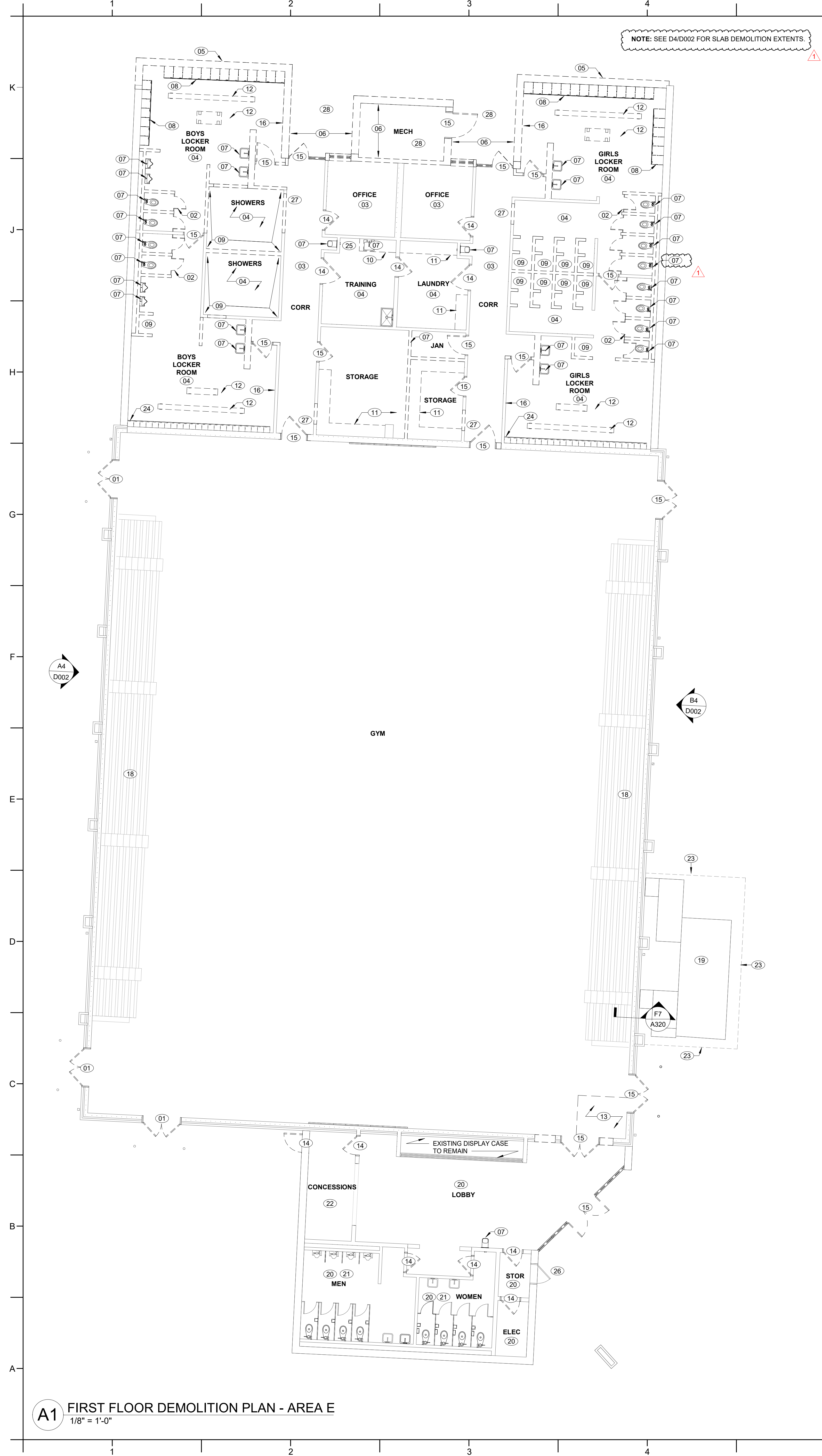


4" DOMESTIC WATER METER, BYPASS INSTALLATION AND VAULT



N.T.S.





**HAZARDOUS MATERIALS GENERAL NOTES:**

- CERTAIN EXISTING MATERIALS THROUGHOUT THE GYM BUILDING (AREA E) TESTED POSITIVE FOR HAZARDOUS CONTENT. REFER TO THE HAZARDOUS MATERIALS REPORTS IN THE PROJECT MANUAL FOR AVAILABLE INFORMATION.
- IN THE EVENT THAT HAZARDOUS MATERIALS NOT NOTED IN THE HAZARDOUS MATERIALS REPORTS ARE ENCOUNTERED, THE CONTRACTOR IS TO STOP WORK IMMEDIATELY AND CONTACT THE OWNER'S REPRESENTATIVE.

**SELECTIVE DEMOLITION GENERAL NOTES:**

- DASHED LINES INDICATE WALL, STRUCTURE, OR OTHER BUILDING COMPONENTS TO BE DEMOLISHED IN ENTIRETY INCLUDING CONCEALED CONSTRUCTION UON. SEE KEY NOTES AND PLAN NOTES FOR MORE SPECIFIC INFORMATION FOR INDIVIDUAL AREAS. WALLS TO BE DEMOLISHED SHALL BE ASSUMED TO BE MASONRY.
- SEE RENOVATION FLOOR PLANS FOR LAYOUT DIMENSIONS FOR NEW OPENINGS AND NEW WORK NOT SHOWN ON DEMOLITION PLANS.
- PLUMBING, ELECTRICAL, MECHANICAL, SPECIAL SYSTEMS AND OTHER BUILDING SYSTEM COMPONENTS THAT ARE NOTED ON PLAN AS TO BE DEMOLISHED ARE TO BE FULLY AND COMPLETELY DEMOLISHED AND REMOVED, UON. FOR BUILDING SYSTEM COMPONENTS THAT ARE TO BE DEMOLISHED, ALL EXPOSED AND RECESSED CONDUIT, PIPING, BOXES, PANELS, SWITCHGEAR, JUNCTIONS, FITTINGS, WIRES, PIPES, DUCTS, EQUIPMENT, ANCHORS, FASTENERS, ETC. SHALL BE DEMOLISHED. RECESSED SHALL MEAN COMPONENTS THAT ARE CONTAINED WITHIN A WALL, FLOOR OR CEILING SURFACE. PIPING THAT IS FULLY CONCEALED WITHIN MASONRY WALLS OR CONCRETE, MAY REMAIN IF IT IS STABLE AND SECURELY SUPPORTED BY BUILDING STRUCTURE.
- CONTRACTOR SHALL REFERENCE ALL DRAWINGS TO DETERMINE THE EXTENT OF CUTTING AND PATCHING. PATCHING, BACKFILL, REPAIRS, ETC. SHALL EQUAL OR EXCEED EXISTING CONDITIONS OR SURROUNDING WORK.
- WHERE SELECTIVE DEMOLITION IS INDICATED, IT IS THE INTENT THAT THE SELECTIVE DEMOLITION WORK WILL RESULT IN A BUILDING AREA FREE OF DEVICES, EQUIPMENT, MATERIALS AND ANY OTHER MISCELLANEOUS COMPONENTS NOT REUSED IN THE NEW CONSTRUCTION, UON. THIS INCLUDES FASTENERS, ANCHORS, HARDWARE, PROTRUDING NAILS AND SCREWS, EMBEDDED ANCHORS, BLOCKING, SLEEVES, ETC. THE DEMOLITION SHALL INCLUDE ALL ITEMS TO A CLEAN SLAB, WALL OR CEILING. COORDINATE DEMOLITION EXTENTS WITH REQUIREMENTS FOR NEW WORK.
- DEMOLISH EXISTING MASONRY AS FOLLOWS:  
A. DEMOLISH FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE IF NO HEIGHT GIVEN.  
B. DEMOLISH WALL FLUSH WITH TOP OF SLAB, UON.  
C. PROVIDE SHORING AT ALL NEW CUTS, OPENINGS OR DEMOLITION OF EXISTING CONSTRUCTION.
- WHERE APPLIED FLOOR FINISHES ARE INDICATED TO BE DEMOLISHED, DEMOLISH EDGE STRIPS, NAIL STRIPS, THRESHOLDS, BASE, GLUE AND ADHESIVES, ETC. TO A CLEAN STRUCTURAL SLAB OR WALL.
- WHERE WALL AND/OR FLOOR TILE IS INDICATED TO BE DEMOLISHED, DEMOLITION INCLUDES TILES, GROUT, BASE, LATH, MUD BED, ETC. DOWN TO A CLEAN STRUCTURAL SLAB OR WALL SURFACE.
- CONTRACTOR TO CONFIRM THAT NEW OPENINGS, PENETRATIONS, DEMOLITION CUTS, ETC. IN EXISTING ROOF DECK ARE LOCATED BETWEEN EXISTING JOISTS, AND / OR BEAMS. REPORT ANY CONFLICTS TO ARCHITECT PRIOR TO PROCEEDING WITH DEMOLITION. ADJUST LOCATIONS OF DEMOLITION AS AGREED UPON BY ARCHITECT.
- ALL EXISTING CONSTRUCTION AND ITEMS TO REMAIN ARE TO BE PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES INCURRED DURING CONSTRUCTION ACTIVITIES INCLUDING FROM STAINING, WETTING, PHYSICAL DAMAGE, MARRING ETC. CONTRACTOR TO REPAIR ANY SURFACES DAMAGED DUE TO DEMOLITION TO MATCH PREVIOUS OR ADJACENT CONDITION.
- DEMOLISH FLOOR DRAINS TO BOTTOM OF STRUCTURAL SLAB UNLESS OTHERWISE NOTED TO REMAIN.
- SCRAPE ALL LOOSE PAINT AND COATINGS FROM SURFACES DESIGNATED TO RECEIVE NEW PAINT OR FINISHES. RESULTING SURFACE MUST BE DRY, NON-FLAKING AND SECURELY ADHERED TO UNDERLYING SUBSTRATE.
- CUT EXISTING SLAB ON GRADE, WALLS, FLOORS, ETC. FOR INSTALLATION OF NEW P, M, E, PP, ETC. SEE PATCHING NOTES ELSEWHERE. SEE COORDINATION DRAWING REQUIREMENTS FOR LOCATION OF OPENINGS IN EXISTING WALLS AND SLABS.
- IN BUILDING AREA E, DEMOLISH ALL INTERIOR CEILINGS (UON) INCLUDING LAY-IN, SPLINE AND HARD CEILING SYSTEMS. DEMOLISH IN ENTIRETY, INCLUDING BRACKETS, HANGERS, WIRES, MOLDINGS ETC. UON. PROTECT EXISTING BULKHEADS THAT ARE TO REMAIN. PROTECT EXISTING MECHANICAL, ELECTRICAL, FIRE ALARM DEVICES AND FIXTURES TO REMAIN. SEE MECHANICAL AND ELECTRICAL DEMOLITION AND RENOVATION PLANS FOR ADDITIONAL REQUIREMENTS.
- REMOVE ALL INTERIOR SIGNAGE AND BRACKETS INCLUDING ROOM IDENTIFICATION SIGNAGE, DEPARTMENTAL SIGNAGE AND WAYFINDING SIGNAGE. DISPOSE OF AFTER GIVING OWNER FIRST RIGHT OF REFUSAL.
- FURNITURE AND LOOSE EQUIPMENT TO BE REMOVED BY OWNER FROM THE BUILDING PRIOR TO THE COMMENCEMENT OF THE WORK. ANY REMAINING ITEMS ARE TO BE DEMOLISHED BY CONTRACTOR, UON. CONTRACTOR TO COORDINATE WITH OWNER.
- EXISTING BUILDING STRUCTURE TO REMAIN, UON. PROTECT DURING DEMOLITION AND NEW WORK.
- CONTRACTOR SHALL SURVEY ALL AREAS SCHEDULED FOR SLAB-ON-GRADE CUTTING WITH PACHOMETER TESTING, IDENTIFYING PIPING, CONDUIT OR ITEMS EMBEDDED AND IMMEDIATELY BELOW CONCRETE PRIOR TO PERFORMING SLAB DEMOLITION. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PRESERVE EMBEDDED ITEMS WHICH ARE TO REMAIN IN SERVICE. CONTRACTOR TO CUT AND REMOVE SLAB SCHEDULED FOR DEMOLITION AND REPLACE PER THE CONTRACT DOCUMENTS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- CUTTING, BACKFILL, REPAIRS, ETC. SHALL EQUAL OR EXCEED EXISTING CONDITIONS OF SURROUNDING WORK. CM SHALL BE RESPONSIBLE FOR COORDINATION OF ALL RELATED WORK DELEGATED TO THEIR SUB-CONTRACTORS.
- ROOM NAMES AND NUMBERS ARE SHOWN ON THE DEMOLITION PLAN FOR DEMOLITION REFERENCE ONLY. NEW ROOM NAMES AND NUMBERS ARE ASSIGNED ON THE RENOVATION PLAN.
- SEE SPECIFICATION SECTION "SELECTIVE DEMOLITION" AND OTHER DRAWINGS IN THIS SET FOR ADDITIONAL REQUIREMENTS FOR ALL CONTRACTORS.

**KEY PLAN-1ST FLOOR**  
NTS

**ROSEWOOD MIDDLE SCHOOL**  
**ADDITION AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 881 S, Goldsboro, NC 27530

**SEALS**

**DKA JOB NUMBER**  
2401

**REVISIONS**

1	ADDENDUM #1	2/3/2025

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PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: SCOTT KRABATH  
Plot Date: 10/10/2025 3:34:01 PM

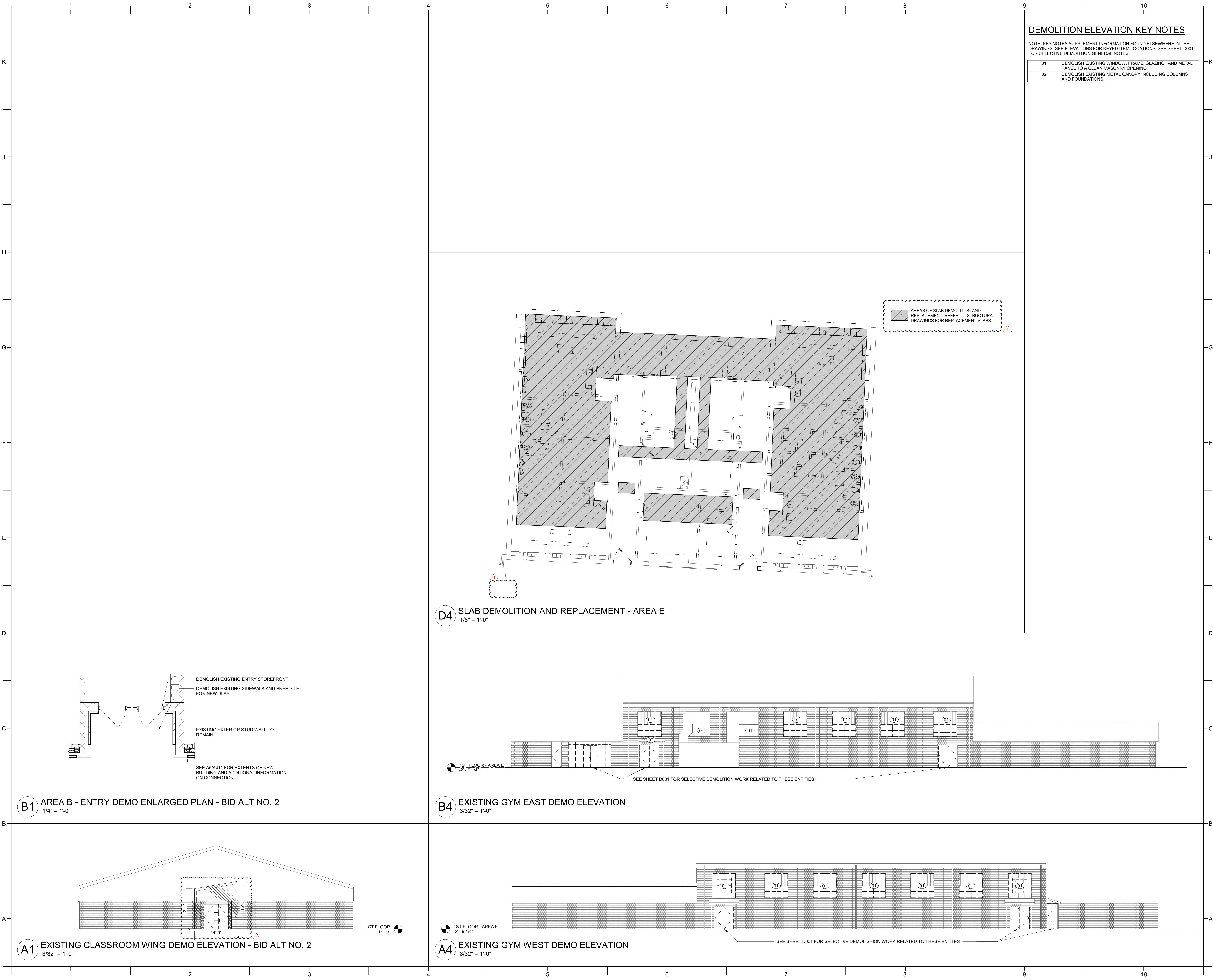
**DATE ISSUED**  
10/10/2025

**BID DOCUMENTS**

**SHEET TITLE**  
DEMOLITION PLANS - AREA B & E

**D001**





DEMOLITION ELEVATION KEY NOTES

NOTE: KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS. SEE ELEVATIONS FOR KEYED ITEM LOCATIONS. SEE SHEET D001 FOR SELECTIVE DEMOLITION GENERAL NOTES.

01	DEMOLISH EXISTING WINDOW, FRAME, GLAZING, AND METAL PANEL TO A CLEAN MASONRY OPENING.
02	DEMOLISH EXISTING METAL CANOPY INCLUDING COLUMNS AND FOUNDATIONS.

AREAS OF SLAB DEMOLITION AND REPLACEMENT. REFER TO STRUCTURAL DRAWINGS FOR REPLACEMENT SLABS.

D4 SLAB DEMOLITION AND REPLACEMENT - AREA E  
1/8" = 1'-0"

B1 AREA B - ENTRY DEMO ENLARGED PLAN - BID ALT NO. 2  
1/4" = 1'-0"

A1 EXISTING CLASSROOM WING DEMO ELEVATION - BID ALT NO. 2  
3/32" = 1'-0"

B4 EXISTING GYM EAST DEMO ELEVATION  
3/32" = 1'-0"

A4 EXISTING GYM WEST DEMO ELEVATION  
3/32" = 1'-0"



## FLOOR PLAN GENERAL NOTES:

- DO NOT SCALE DRAWINGS. REFER DIMENSION QUESTIONS TO ARCHITECT FOR INTERPRETATION.
- SEE SHEET A001 FOR INTERIOR PARTITION LEGEND AND NOTES. SEE WALL SECTIONS FOR EXTERIOR WALLS, TYP.
- ALL NEW HINGE-SIDE DOOR JAMBS IN GYPSUM WALLS TO BE 4" TO THE INSIDE OF ADJACENT PERPENDICULAR WALL, UNLESS DIMENSIONED OTHERWISE.
- ALL NEW HINGE-SIDE JAMBS IN CMU WALLS TO BE 4" TO 8" AT A MASONRY HEAD JOINT TO INSIDE OF ADJACENT PERPENDICULAR WALL, UNLESS DIMENSIONED OTHERWISE.
- ALL DOORS IN ALCOVES TO BE 18" MIN FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT PERPENDICULAR WALL, UNLESS DIMENSIONED OTHERWISE.
- ALL DIMENSIONS TO FACE OF METAL STUD, FACE OF MASONRY, FACE OF CONCRETE, FACE OF EXISTING WALL, OR COLUMN CENTERLINE, UNON.
- NEW EXTERIOR CMU WALLS ARE TO HAVE CONTROL JOINTS DIRECTLY BEHIND BRICK CONTROL JOINTS SHOWN ON ELEVATIONS. PROVIDE CONTROL JOINTS IN NEW INTERIOR CMU WALLS EVERY 20' O.C. MAX. UNON. MAINTAIN 2.0" MINIMUM FROM JAMBS AT ALL OPENINGS.
- PROVIDE CONTROL JOINTS IN GYPSUM BOARD WALL CONSTRUCTION AS INDICATED. VERIFY FINAL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK WHETHER OR NOT INDICATED ON THE DRAWINGS.
- SEE KEY NOTES AND NOTES ON PLANS FOR SPECIFIC NOTES FOR EACH DRAWING AREA.
- SEE PLUMBING, MECHANICAL, ELECTRICAL, FIRE PROTECTION, CIVIL, FOOD SERVICE, AND STRUCTURAL DRAWINGS FOR RELATED WORK AND ADDITIONAL REQUIREMENTS.
- COORDINATE EQUIPMENT WORK WITH MANUFACTURERS AND SUPPLIERS TO ENSURE PROPER ROUGH-IN CLEARANCES FOR INSTALLATION, USE AND MAINTENANCE.
- ALL OPENINGS IN MASONRY WALLS ARE TO RECEIVE LINTEL OR BOND BEAM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE SEALANT AT JUNCTION OF DIFFERENT MATERIALS UNLESS OTHER MEANS OF SEALING AND CLOSURE IS SPECIFIED.
- INSTALL METAL "F" TRIM IN GWB WALL AT VERTICAL EDGE WHERE GWB WALL MEETS CMU WALL.
- PROVIDE THOROUGH FINAL CLEANING THROUGHOUT INTERIOR PRIOR TO OWNER OCCUPANCY. INTERIOR CLEANING TO INCLUDE FLOORS, BASE, WALLS, WALL-MOUNTED EQUIPMENT, FIXTURES, FURNISHINGS, DOORS, WINDOWS, FRAMES, SILLS, CEILINGS, CEILING-MOUNTED EQUIPMENT AND FIXTURES.
- THE ANNULAR SPACE OF EACH PENETRATION OF EACH FLOOR ASSEMBLY IS TO BE FILLED WITH MATERIAL THAT IS TESTED FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS.
- VERIFY MOUNTING HEIGHTS OF ACCESSORIES, EQUIPMENT, DOOR HARDWARE, CASEWORK, ETC., AND PROVIDE SOLID BLOCKING BEHIND ITEMS REQUIRING ANCHORAGE. WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT ITEMS IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS. COORDINATE LOCATIONS WITH MANUFACTURER OR SUPPLIER AND REFER MOUNTING HEIGHT QUESTIONS TO ARCHITECT FOR INTERPRETATION.

## REFLECTED CEILING PLAN GENERAL NOTES:

- CEILING GRIDS TO BE CENTERED IN ROOM AS SHOWN, UNLESS DIMENSIONED OTHERWISE.
- DOUBLE CEILING TRACK AT THE EDGE OF ANY LAY-IN AREAS IS NOT ACCEPTABLE. PROVIDE A 2x4" TILE CUT TO FIT THE LARGER OPENING WHERE A STRIP OF TILE LESS THAN 2 1/2" IN EITHER DIRECTION WOULD HAVE TO BE USED, TYP.
- MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND AV COMPONENTS ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE PLUMBING, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF MECHANICAL, FIRE PROTECTION, ELECTRICAL, AND PLUMBING WORK ABOVE CEILING, IN ORDER TO PROVIDE FINISHED CEILINGS AT HEIGHTS REQUIRED ON REFLECTED CEILING PLAN.
- SEE INTERIOR FINISHES SCHEDULE AND INTERIOR FINISHES PLANS ON I-SHEETS FOR ADDITIONAL CEILING INFORMATION AND DETAILS.
- SEE SECTIONS AND INTERIOR ELEVATIONS FOR BULKHEAD DIMENSIONS NOT NOTED ON REFLECTED CEILING PLANS AND DETAILS.
- PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILING CONSTRUCTION AS INDICATED. WHERE NOT SHOWN, PROVIDE MAXIMUM SPACING BETWEEN JOINTS OF 30'-0". VERIFY FINAL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK WHETHER OR NOT INDICATED ON THE DRAWINGS.
- ALL GWB CONTROL JOINTS ARE TO RUN HORIZONTALLY AS SHOWN ON REFLECTED CEILING PLANS AND VERTICALLY UP THE FACE OF THE BULKHEAD.
- CENTER PENETRATIONS IN ACOUSTICAL CEILING SYSTEMS WITHIN INDIVIDUAL CEILING PANELS, SUCH AS SPRINKLER HEADS, DIFFUSERS, LIGHT FIXTURES, ETC. UNON.
- PAINT ALL EXPOSED GWB CEILINGS AND BULKHEADS.
- SPRINKLER HEAD LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR TO COORDINATE FINAL AUTOMATIC SPRINKLER DESIGN AND DEVICE LOCATIONS WITH OTHER CEILING-MOUNTED EQUIPMENT AND DEVICES.

## ABBREVIATIONS

@	AT
AB	ANCHOR BOLT
ACCESS	ACCESSORY
ACT	ACQUISIT(IAL) CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTUR(IAL)
AV	AUDIO VISUAL
BD	BOARD
BEJ	BUILDING EXPANSION JOINT
BFF	BELOW FINISHED FLOOR
BID	BID
BLDG	BUILDING
BLKG	BLOCKING
BOD	BOTTOM OF DECK
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CLSM	CLASSROOM
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPT	CARPET
CR	CARD READER
CSK	COUNTER SUNK
CT	CERAMIC TILE
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DM	DIMENSION
DS	DOWN SPOUT
DWG	DRAWING
E.PNT	EPOXY PAINT
EA	EACH
EJ	EXPANSION JOINT
EJC	EXPANSION JOINT COVER
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL

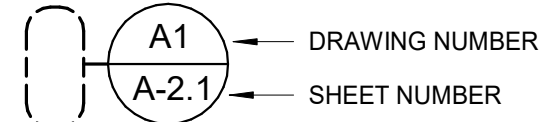
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FACT	FACTORY FINISH
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FFE	FINISHED FLOOR ELEVATION
FIN	FINISH
FLR	FLOOR
FLUOR	FLUORESCENT
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FRP	GLASS FIBER REINFORCED PLASTIC PANELS
FRT	FIRE-RETARDANT-TREATED
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACT(OR)
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS
GLZ	GLAZING
GWB	GYPSUM WALL BOARD
GYP BD	GYPSUM BOARD
HB	HOSE BIBB
HD	HEAVY DUTY
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INSUL	INSULATION
INT	INTERIOR
KLP	KICKPLATE
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LIN	LINOLEUM
LVR	LOUVER
LVT	LUXURY VINYL TILE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBL	MARBLE
MECH	MECHANICAL

MEMB	MEMBRANE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OVERHANG
OHD	OVER HEAD
OPCI	OWNER PROVIDED, CONTRACTOR INSTALLED
OPNG	OPENING(S)
OPOI	OWNER PROVIDED, OWNER INSTALLED
OPP	OPPOSITE
PHEN	PHENOLIC
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNT	PAINT(ED)
PNT	PARTITION
PROP	PROPERTY
PSF	POUNDS / SQUARE FOOT
PSI	POUNDS / SQUARE INCH
PT	PRESERVATIVE-TREATED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS
RA	RETURN AIR
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
REBAR	STEEL REINFORCING BAR
REF	REFERENCE
REINF	REINFORCE(D)(ING)(MENT)
REQD	REQUIRED
REV	REVISION(S) REVISED
RM	ROOM
SC	SOLID CORE
SECT	SECTION
SF	SQUARE FEET (FOOT)
SFRM	SPRAYED FIRE-RESISTIVE MATERIAL
SHT	SHEET
SIM	SIMILAR
SLSF	SOLID SURFACE
SPEC	SPECIFICATION(S)

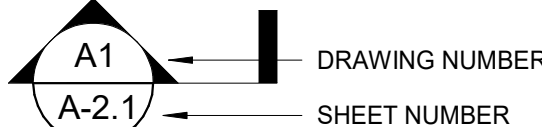
SPKLR	SPRINKLER
SQ IN	SQUARE INCH(ES)
SS	STAINLESS STEEL
ST	SIGN TYPE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRFR	STOREFRONT
STRUCT	STRUCTURE
SUSP	SUSPENDED
SYS	SYSTEM(S)
TEL	TELEPHONE
THRES	THRESHOLD
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYP	TYPICAL
TZ	TERRAZZO
UNON	UNLESS OTHERWISE NOTED
UTIL	UTILITY(IES)(Y)
VB	VINYL BASE
VCT	VINYL COMPOSITE TILE
VERT	VERTICALLY
VIF	VERIFY IN FIELD

## GENERAL SYMBOL LEGEND

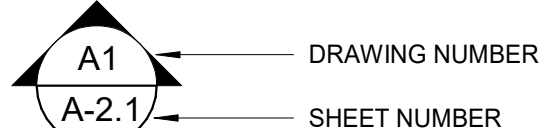
## ENLARGED DRAWING REFERENCE



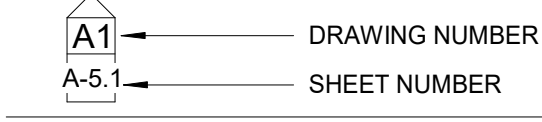
## BUILDING / WALL SECTION CUT REFERENCE



## EXTERIOR ELEVATION REFERENCE



## INTERIOR ELEVATION REFERENCE



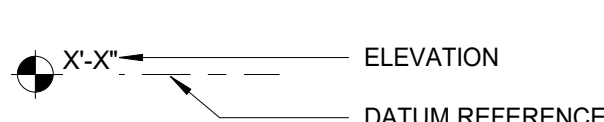
## PARTITION TYPE



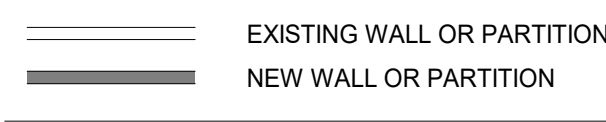
## CONTROL JOINT



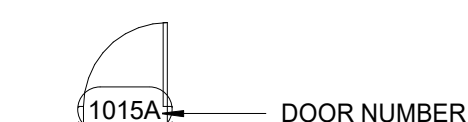
## ELEVATION DATUM REFERENCE



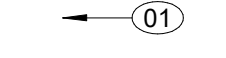
## WALLS



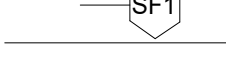
## DOOR / DOOR NUMBER



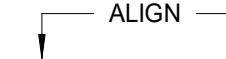
## KEY NOTE



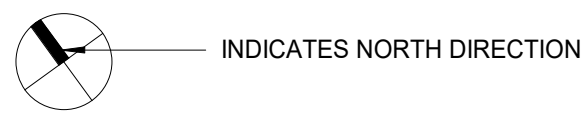
## WINDOW TYPE



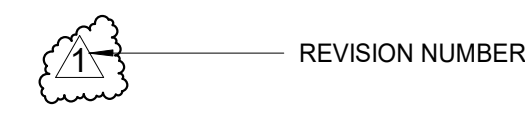
## ALIGN FACES OF DESIGNATED SURFACES



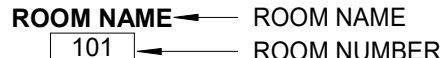
## NORTH ARROW



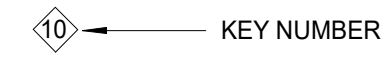
## REVISION REFERENCE



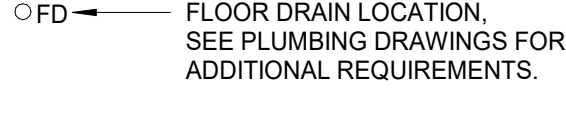
## ROOM TAG



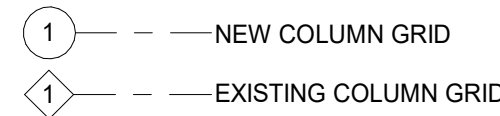
## FURNITURE, FIXTURES, &amp; EQUIPMENT KEY



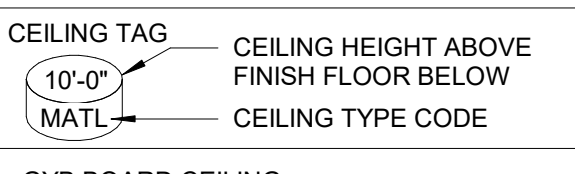
## DRAIN SYMBOLS



## COLUMN GRID IDENTIFIER



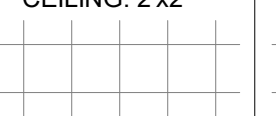
## REFLECTED CEILING PLAN SYMBOL LEGEND



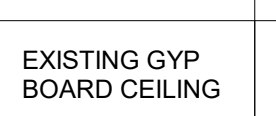
## GYB BOARD CEILING



## ACOUSTIC CEILING: 2x2'



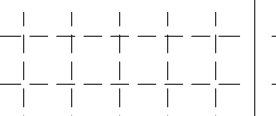
## ACOUSTIC CEILING: 2x4'



## EXISTING GYP BOARD CEILING



## EXISTING ACOUSTIC CEILING



## DEMOLISHED ACOUSTIC CEILING TILE: 2x2'



## DEMOLISHED ACOUSTIC CEILING TILE: 2x4'



## MECHANICAL RETURN REGISTER



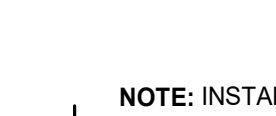
## MECHANICAL AIR SUPPLY DIFFUSER



## MECHANICAL EXHAUST REGISTER



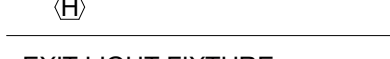
## RECESSED LIGHT FIXTURE



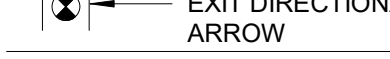
## SMOKE DETECTOR



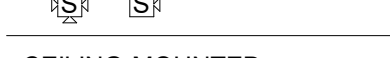
## HEAT DETECTOR



## EXIT LIGHT FIXTURE



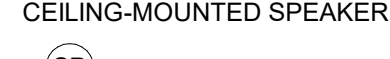
## EXIT DIRECTIONAL ARROW



## SPEAKER STROBE



## CEILING-MOUNTED OCCUPANCY SENSOR



## CEILING-MOUNTED SPEAKER



## CEILING-MOUNTED CARBON MONOXIDE DETECTOR



## CEILING-MOUNTED WIRELESS ACCESS POINT



## SPRINKLER HEAD



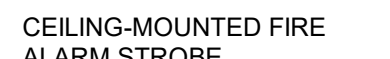
## SECURITY CAMERA



## CEILING-MOUNTED ELECTRICAL OUTLET



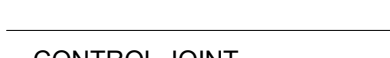
## CEILING-MOUNTED FIRE ALARM STROBE



## CAN LIGHT FIXTURE



## CONTROL JOINT



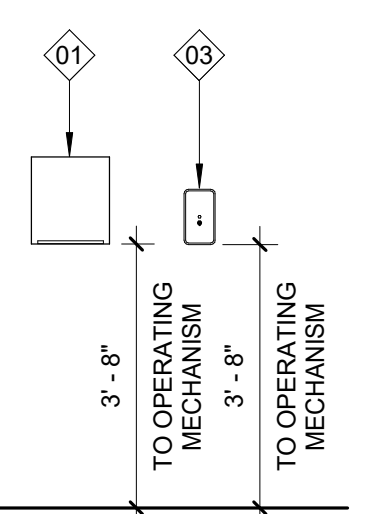
## FURNITURE, FIXTURES AND EQUIPMENT GENERAL NOTES:

- INSTALL BLOCKING AT ALL TOILET ROOM ACCESSORIES, MARKERBOARDS, TACKBOARDS, BULLETIN BOARD CABINETS, PROJECTION SCREEN AND OTHER FF&E ITEMS AS REQUIRED BY MANUFACTURER INSTALLATION REQUIREMENTS.

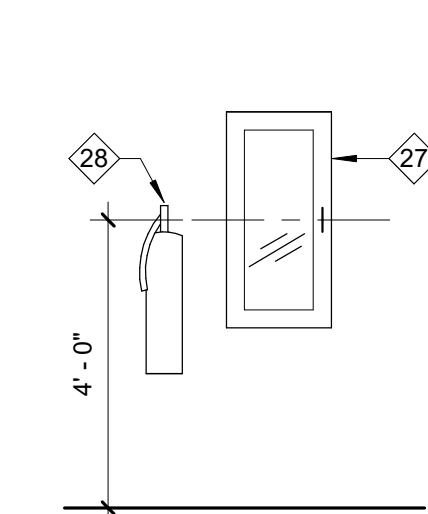
## FURNITURE, FIXTURES, AND EQUIPMENT LEGEND

01	PAPER TOWEL DISPENSER, SURFACE MOUNTED - OPCI	40	RANGE W/ FRONT CONTROLS
02	TOILET TISSUE DISPENSER - OPCI	41	RANGE HOOD W/ REMOTE SWITCH
03	SOAP DISPENSER, SURFACE MOUNTED - OPCI	42	DISHWASHER
04	SANITARY NAPKIN DISPOSAL	43	REFRIGERATOR WITH ICEMAKER
05	GRAB BAR - 18"	44	UNDER-COUNTER REFRIGERATOR - LOCKABLE
06	GRAB BAR - 36"	45	KILN - OPCI
07	GRAB BAR - 42"	46	RESIDENTIAL WASHER
08	GRAB BAR - 16" X 31" TWO-WALL	47	RESIDENTIAL DRYER
09	GRAB BAR - 24"	48	MICROWAVE - NIC
10	FRAMED MIRROR OVER LAVATORY	49	VENDING MACHINE - NIC
11	FULL HEIGHT FRAMED MIRROR	50	COPIER - NIC
12	THERMALLY INSULATED TRAP COVER	51	DINING FURNITURE - NIC
13	FOLDING SHOWER SEAT	60	HOSPITAL BED 36" x 72" - NIC
14	SHOWER ROD	61	FABRIC - WRAPPED PANELS
15	SHOWER CURTAIN	62	HEAVY DUTY MTL SHELVEING - 48" x 12"
16	COAT HOOK	63	HEAVY DUTY MTL SHELVEING - 48" x 18"
17	30"x60" MOTORIZED PORTABLE CHANGING TABLE - NIC	64	HEAVY DUTY MTL SHELVEING - 54" x 18"
20	MARKERBOARD - 4' x 16' (36" AFF TO BOTTOM OF BOARD)	65	HEAVY DUTY MTL SHELVEING - 36" x 12"
21	MARKERBOARD - 4' x 8' (36" AFF TO BOTTOM OF BOARD)	66	HEAVY DUTY MTL SHELVEING - 42" x 12"
22	MARKERBOARD - 4' x 4' (36" AFF TO BOTTOM OF BOARD)	67	LOCKER ROOM BENCH
23	TACKBOARD - 4' x 4'	70	ICE MAKER - OPCI
24	TACKSTRIP	71	FLAMMABLE STORAGE CABINET - NIC
25	GOGGLE SANITIZING CABINET- NIC (27" AFF TO BOTTOM)	80	INSTRUMENT STORAGE CASEWORK - 27.5"W x 39.25"D
26	MOP/BROOM HOLDER	81	INSTRUMENT STORAGE CASEWORK - 14.5"W x 29.25"D
27	FIRE EXTINGUISHER & SEMI-RECESSED CABINET	82	INSTRUMENT STORAGE CASEWORK - 48.5"W x 29.25"D
28	FIRE EXTINGUISHER & SURFACE MOUNTED BRACKET	83	INSTRUMENT STORAGE CASEWORK - 10"W x 19.25"D
29	RECESSED KEY LOCK BOX	84	INSTRUMENT STORAGE CASEWORK - 14.5"W x 39.25"D
30	DOUBLE-TIER STUDENT LOCKERS	91	BASE LAB CABINET, ONE DRAWER - 24" DEEP
31	DOUBLE-TIER ATHLETIC LOCKERS	92	UPPER LAB CABINET - 12" DEEP
32	FULL HEIGHT METAL LOCKERS	93	ADA LAB CABINET - 12" DEEP
33	VINYL WALL LOGO - NIC	94	SINK BASE LAB CABINET, ADA KNEE SPACE - 24" DEEP
34	SHORT-THROW PROJECTORS - NIC	95	BASE LAB CABINET, 4 DRAWERS - 24" DEEP

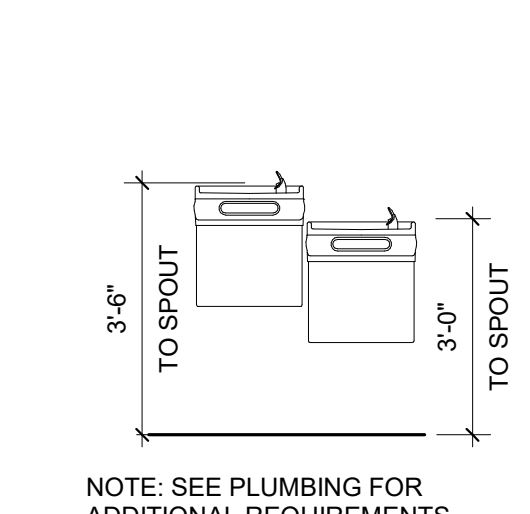
## TYPICAL MOUNTING HEIGHTS AND DIMENSIONS



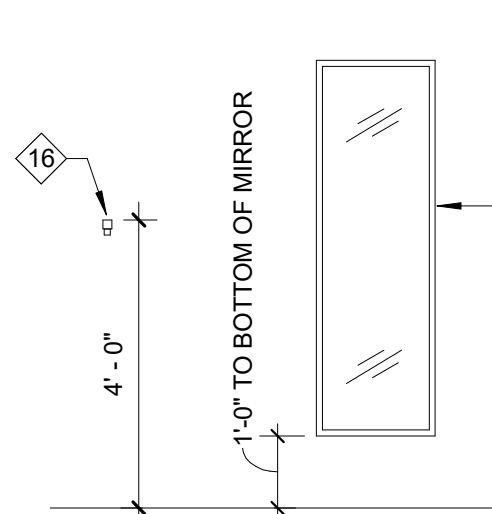
## DISPENSER NTS



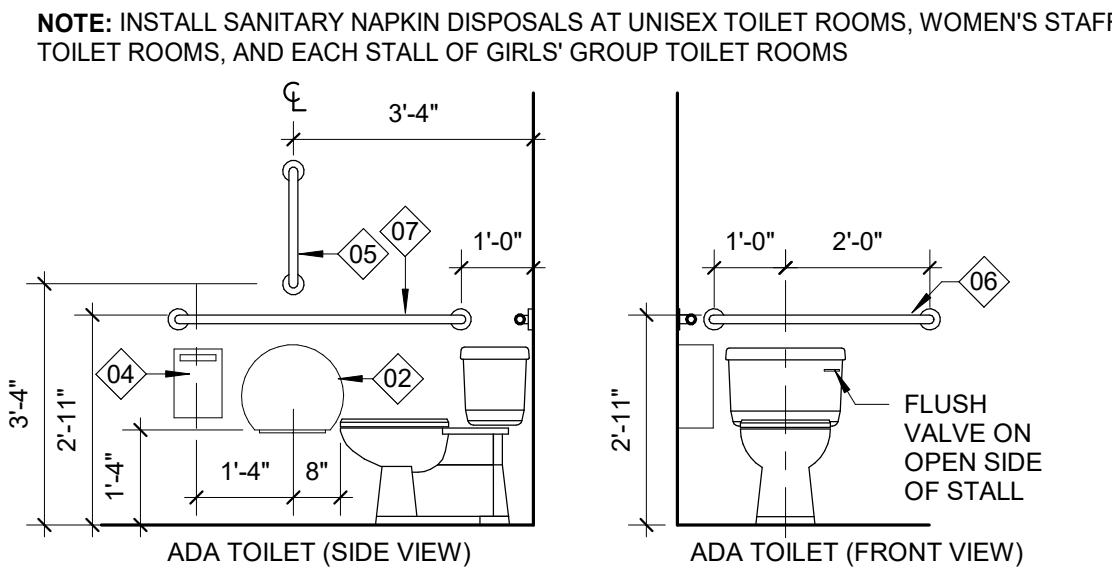
## FIRE EXTINGUISHER AND CABINET NTS



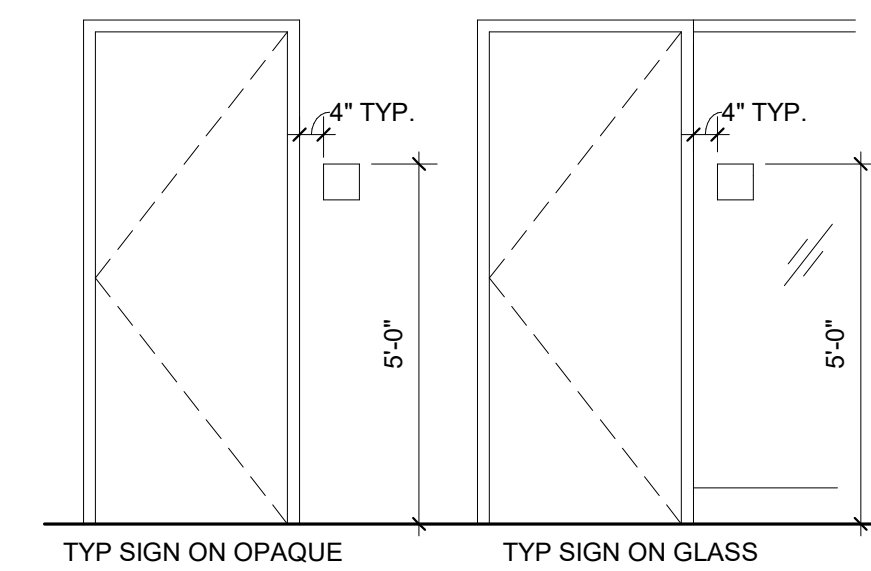
## DRINKING FOUNTAIN HEIGHTS NTS



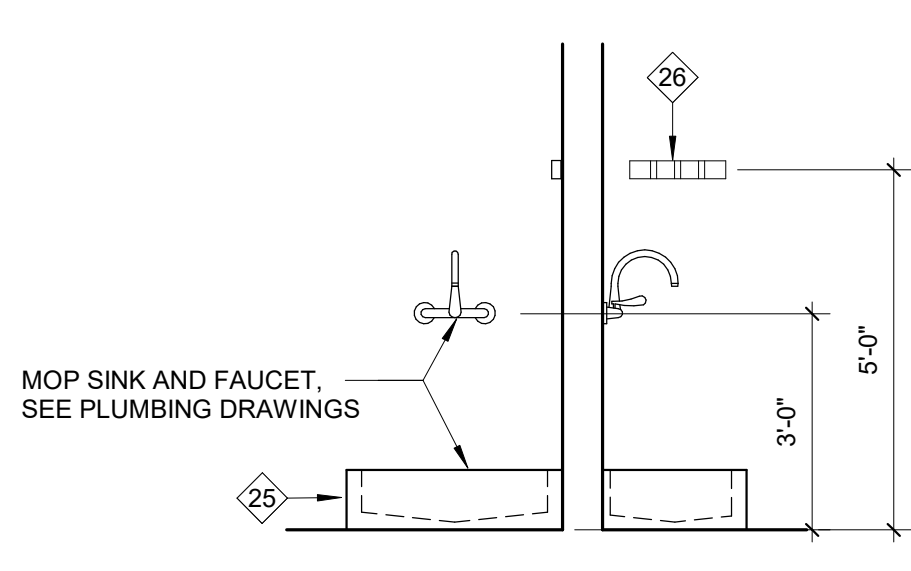
## FULL HEIGHT MIRROR &amp; WALL HOOK NTS



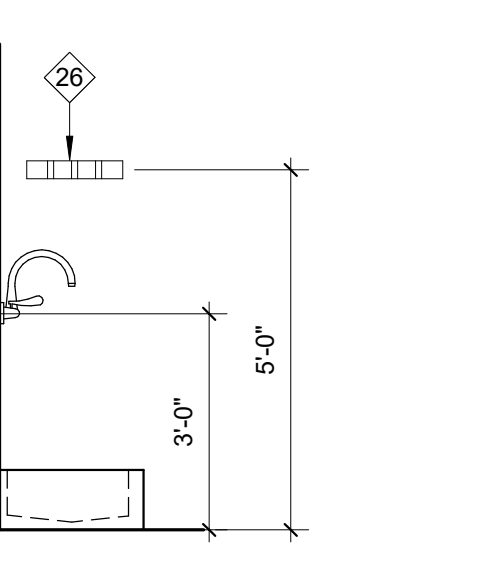
## ADA TOILET NTS



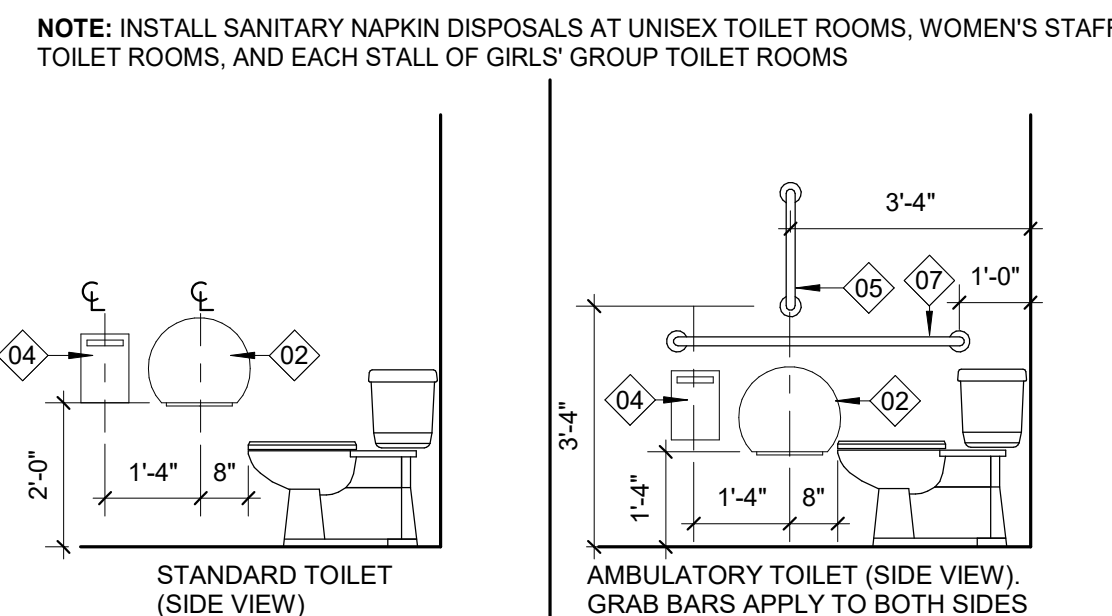
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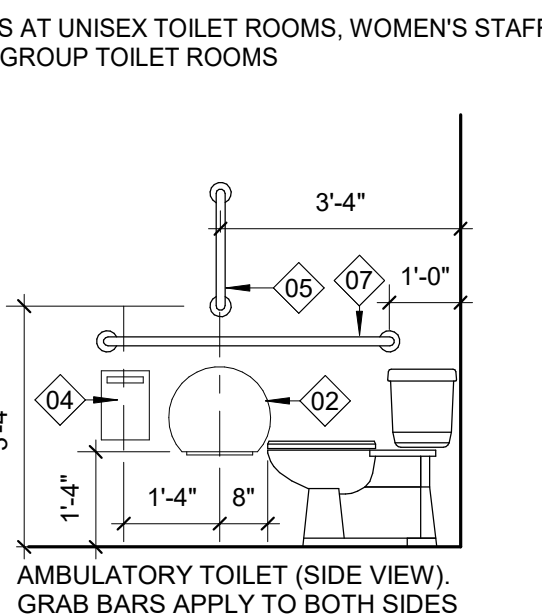
## MOP SINK NTS



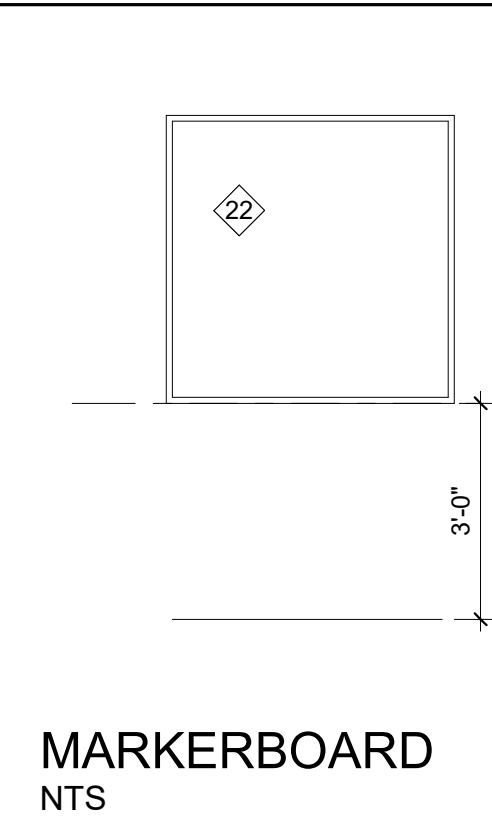
## MARKERBOARD NTS



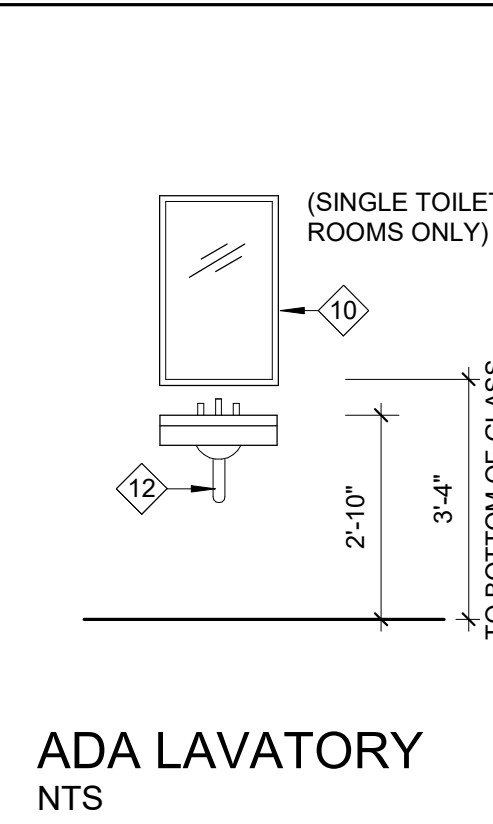
## TYPICAL TOILET NTS



## AMBULATORY TOILET NTS



## ADA LAVATORY NTS



## URINAL NTS

## PROJECT INFORMATION

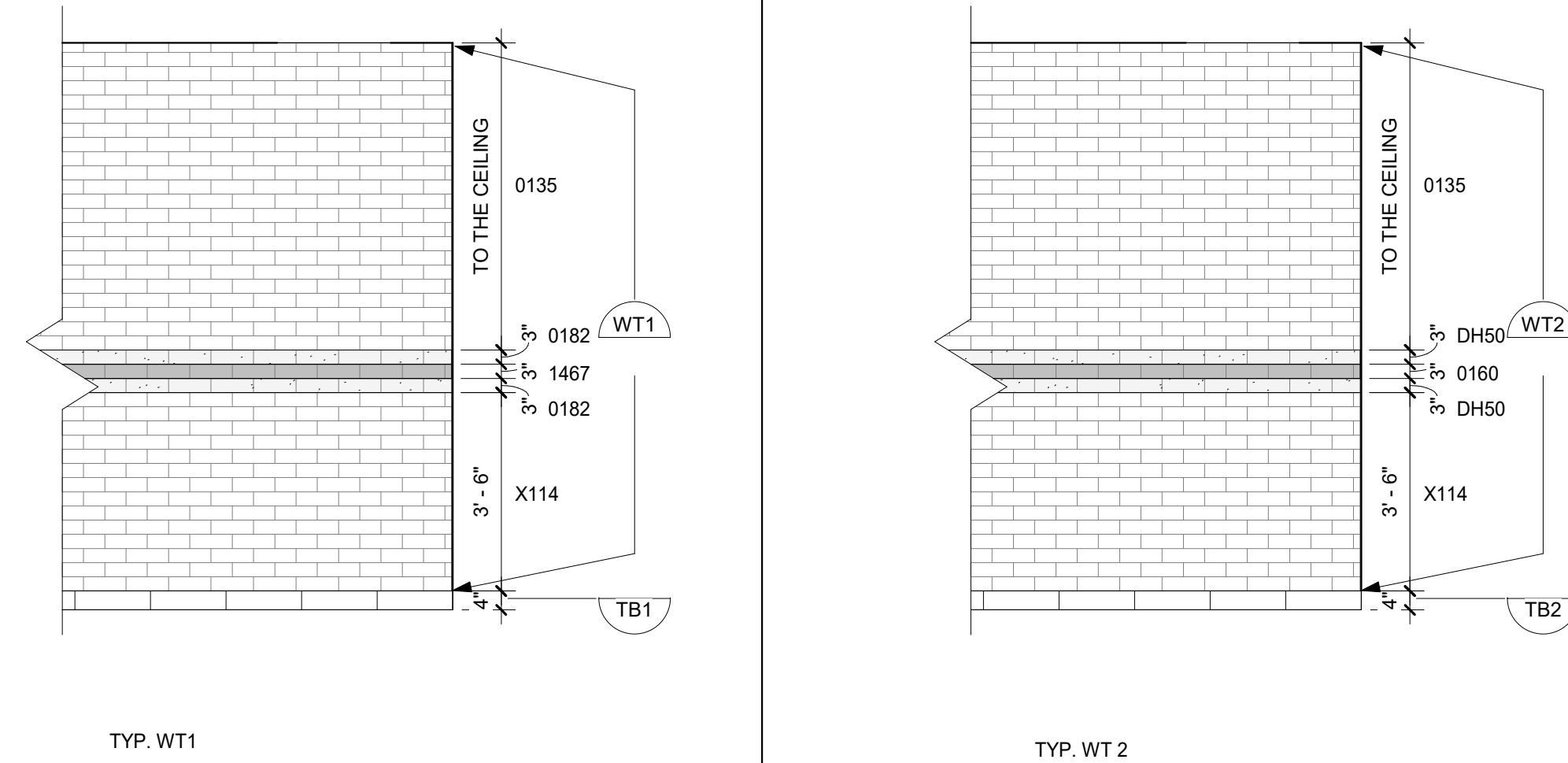
ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS



	UL HW-D-0001			UL HW-D-0030	UL HW-D-0001		UL HW-D-0001
HEAD OF WALL UL RATING							
BASE OF WALL UL RATING	<p>UL BW-S-0001      UL BW-S-0001      D4_      4\"/&gt; </p>						
STC RATING	<p>A3_      3 5/8\"/&gt; </p>						
WALL TYPE AND UL RATING	<p>A6_      6\"/&gt; </p>						
RATING AND UL DETAILS ONLY APPLY WHERE PARTITION IS INDICATED AS FIRE RATED ON PLAN	<p>REFER TO PARTITION NOTES FOR HEIGHT CODES, TYPICAL</p>						
	<p>C2_      2-1/2\"/&gt; </p>						
	<p>C3_      3 5/8\"/&gt; </p>						
	<p>C6_      3 5/8\"/&gt; </p>						
	<p>D6_      6\"/&gt; </p>						
	<p>D8_      8\"/&gt; </p>						
	<p>D12_      12\"/&gt; </p>						
	<p>E3_      3 5/8\"/&gt; </p>						
	<p>E6_      6\"/&gt; </p>						
	<p>F8_      8\"/&gt; </p>						

1. ALL RATED ASSEMBLIES SHALL BE STENCILED IN RED WITH RATED WALL WARNING MESSAGE TO READ AS FOLLOWS: "\_\_\_\_ HOUR RATED FIRE BARRIER. SEAL ALL PENETRATIONS WITH APPLICABLE FIRE-RESISTANT INSULATION. SEE DRAWING FOR LOCATION AND PLANS. LETTERING TO BE 4" MIN. HIGH, LOCATED 12" ABOVE CEILING, SPACED AT 8'-0" OC ON BOTH SIDES OF WALLS AND ON UNDERSIDE OF HORIZONTAL RATED ASSEMBLIES.
2. SEE SHEET GOOD - GOOD FOR IFC CERTIFIED RATED ASSEMBLIES AS REQUIRED BY INTERIOR PARTITION FINISHES. INSTEAD OF RATED ASSEMBLIES, PROTECT JOINTS WITH RATED ASSEMBLIES TO MAINTAIN FIRE RATINGS. SEE PLUMBING, MECHANICAL AND ELECTRICAL SHEETS FOR PROTECTION OF PENETRATIONS IN RATED ASSEMBLIES. SEAL PERIMETER OF ALL RATED ASSEMBLIES AT DECK, STRUCTURE, CEILING, FLOOR AND ADJACENT WALLS.
3. COORDINATE LAYOUT OF WALLS OF DIFFERENT TYPES SUCH THAT FINISHED GYPSUM BOARD SURFACES ALIGN IN SAME PLANE.
4. AT NON-RATED WALLS AND PARTITIONS, SEAL PENETRATIONS USING APPROVED NON-COMBUSTIBLE MATERIAL.
5. AT PARTITION WALLS WITH SOUND BATT INSULATION: PROVIDE CONTINUOUS ACOUSTIC SEALANT AROUND FULL PERIMETER OF PARTITION AT ADJACENT SURFACES AND AT PENETRATIONS. SEPARATE ELECTRICAL BOXES ON OPPOSITE SIDES OF STUD PARTITIONS BY AT LEAST ONE STUD. AT JOINTS WITH MULTIPLE LAYERS OF GYPSUM BOARD, STAGGER GYPSUM BOARD JOINTS BETWEEN LAYERS. PROVIDE PUTTY PADS AT ELECTRICAL BOXES.
6. TOP OF WALL BRACING IS NOT SHOWN THIS SHEET, BUT IS REQUIRED FOR MEETING PARTITION DEFLECTION CRITERIA AND/OR AS REQUIRED ON STRUCTURAL DRAWINGS. PARTITION BRACING SHALL BE ABOVE CEILING UNLESS APPROVED BY ARCHITECT IN WRITING.
7. ISOLATE NON-LOAD-BEARING STUD FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS WHILE PROVIDING LATERAL SUPPORT.
8. PROVIDE GYPSUM BOARD CONTROL JOINTS (TYPE PER DETAILS), LOCATED WHERE INDICATED ON DRAWINGS OR BASED ON SPACING PER SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. COORDINATE CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
9. REFER TO INTERIOR FINISHES PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL WALL FINISH, CASE, AND CELL INFORMATION.
10. PROVIDE WATER RESISTANT GYPSUM BOARD WITHIN 4 FEET OF DRINKING FOUNTAINS / WATER COOLERS, UNLESS OTHERWISE NOTED.
11. PROVIDE SPECIFIED TILE BACKER BOARD IN LIEU OF GYPSUM BOARD AT ALL WALLS SCHEDULED TO RECEIVE TILE OR FRP PANELS.
12. CORRIDOR WALLS SHALL RECEIVE ABUSE RESISTANT GYPSUM BOARD TYPICAL, UON.
13. OUTSIDE CORNER OF CMU WALLS TO BE BULLNOSE FROM 8" AFF TO 8"-8" AFF TYPICAL, UON.
14. PROVIDE 2X WOOD BLOCKING, CONCEALED IN STUD WALLS, FOR WALL-MOUNTED FIXTURES, FURNISHINGS, GRAB BARS AND HANDRAILS, EQUIPMENT, CABINETS, ART, AND ACCESSORIES.
15. PARTITION HEIGHT CODES ARE PRESENTED BY THE LAST LETTER OF THE PARTITION TAG, DEFINED AS FOLLOWS:

FINISH CODE		FINISH TYPE	BOD	DESCRIPTION	COMMENTS
CEILING					
APC1		ACOUSTICAL PANEL CEILING	ARMSTRONG	SCHOOL ZONE FINE FINESURED 1733, SQUARE LAY-IN	<div> <div>24"x24", FIELD UON</div> <div>24"x24", KITCHEN</div> <div>24"x24", TOILET ROOMS: CUSTODIAL</div> <div>24"x24", FIELD UON</div> </div>
APC2		ACOUSTICAL PANEL CEILING	ARMSTRONG	CLEAN ROOM VL UNPERFORATED 868, SQUARE LAY-IN	
APC3		ACOUSTICAL PANEL CEILING	ARMSTRONG	CLEAN ROOM/L PERFORATED 869, SQUARE LAY-IN	
APC4		ACOUSTICAL PANEL CEILING	ARMSTRONG	CALLA HIGH NRC Z844, SQUARE LAY-IN	
FLOORING					
CPT1		CARPET TILE	TARKETT 11615 EDGE EDIT 24X24	22404 COMMON GROUND	
CPT2		CARPET TILE	TARKETT 11615 EDGE EDIT 24X24	22407 LIGHTNING	
S.C.ONC		SEALED CONCRETE			
S.T.C.ONC		SEALED TINTED CONCRETE			
TZ1		TERRAZZO	MASTER TERRAZZO 1000	LIGHT GRAY MIX	
TZ2		TERRAZZO	MASTER TERRAZZO 8392	PURPLE MIX	
TZ3		TERRAZZO	MASTER TERRAZZO 1110	YELLOW MIX	
YZB		WALL BASE	MASTER TERRAZZO 1000		
MASONRY					
BRK1		BRICK	PALMETTO	MEDIUM RED FLASHED WIRECUT	
BRK2		BRICK	TAYLOR	WIRECUT PEARL GRAY	
MILLWORK					
PLAM1		PLASTIC LAMINATE	FORMICA ASHWOOD OAK NATURAL GRAIN TEXTURE	RECEPTION DESK AND CIRCULATION DESK	
PLAM2		PLASTIC LAMINATE	WILSONART PLATINUM D315-60 MATTE		
PLAM3		PLASTIC LAMINATE	WILSONART HANDSPUN DOVE 5034-38 FINE VELVET FINISH		
PLAM4		PLASTIC LAMINATE	WILSONART MAJESTY Y0731-60MATTE FINISH	PURPLE	
PLAM5		PLASTIC LAMINATE	WILSONART SUNNY SIDE UP 13089-60 MATTE FINISH	YELLOW	
SLSF1		SOLID SURFACE	WILSONART BLUESTONE 9074EA	RECEPTION DESK AND CIRCULATION DESK	COUNTERTOP
PAINT					
PNT1		PAINT	SHERWIN-WILLIAMS 7068 PASSIVE	LIGHT GRAY	FIELD PAINT AND CEILING PAINT
PNT2		PAINT	SHERWIN-WILLIAMS 6818 VALIANT VIOLET	PURPLE PAINT	
PNT3		PAINT	SHERWIN-WILLIAMS 9010 GOLDEN PLUMERIA	YELLOW PAINT	
PNT4		PAINT	SHERWIN-WILLIAMS 7678 GRAY SHINGLE	LIGHT GRAY	INTERIOR DOOR FRAME AND STAIR STRINGERS/RAILS PAINT
PNT5		PAINT	SHERWIN-WILLIAMS 7668 STEELY GRAY	LIGHT GRAY	EXTERIOR DOO FRAME PAINT
RESILIENT					
RB1		RUBBER BASE	FLEXCO 036 GRAY		4" HIGH, TYPICAL UO
RB2		RUBBER BASE	TARKETT BLACK		8" HIGH BLACK TO MATCH EXISTING
VCT1		VINYL COMPOSITION TILE	AHF CONTRACT ILIAD 12X12	50% CR007, 50% CR009	MIX OF LIGHT GRAY AND DARK GRAY
VCT2		VINYL COMPOSITION TILE	AHF CONTRACT ILIAD AND HIGHLIGHTS 12X12	25% CR007, 25% CR009, 25% HR024, 25%HR022	MIX OF GRAY AND PURPLE
VCT3		VINYL COMPOSITION TILE	AHF CONTRACT ILIAD AND HIGHLIGHTS 12X12	25% CR007, 25% CR009, 25% HR014, 25%HR015	MIX OF GRAY AND YELLOW
VCT4		VINYL COMPOSITION TILE	AHF CONTRACT ILIAD AND HIGHLIGHTS 12X12	20% CR007, 20% CR009, 15% HR022, 15% HR024, 15% HR014, 15% HR015	MIX OF GRAY, PURPLE, AND YELLOW
TILE					
QT		TILE	QUARRY TILE	ASHEN GRAY	
QTB		TILE	QUARRY TILE BASE	ASHEN GRAY	
T1		TILE	DALTILE KEYSTONES 2X2	SUEDE GRAY SPECKLE D 208 MATTE	
T2		TILE	DALTILE KEYSTONES 2X2	DESERT GRAY SPECKLE D 200 MATTE	
TB1		TILE	DALTILE KEYSTONES 4X12	SUEDE GRAY SPECKLE D208 MATTE	MOSAIC 2X2 BUILD UP BASE
TB2		TILE	DALTILE KEYSTONES 4X12	DESERT GRAY SPECKLE D200 MATTE	MOSAIC 2X2 BUILD UP BASE
WT1		TILE	DALTILE COLOR WHEEL CLASSIC 3X6	0135, 1467, 0182, X114	
WT2		TILE	DALTILE COLOR WHEEL CLASSIC 3X6	0135, 0180, DH50, X114	
WT3		TILE	DALTILE COLOR WHEEL CLASSIC 3X6	X114K	
WALLCOVERING					
WW1		WALLCOVERING	WOLF GORDON RGL 5414 FOG	VINYL	ACCENT WALL



ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

OB NUMBER
2401

[illegible]

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PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: SCOTT KRABATH  
Plot Date: 1/31/2025 3:34:09 PM

BID DOCUMENTS  
01/10/2025

## A001



GENERAL BUILDING  
LAYOUT NOTES:

- DIMENSIONS FOLLOWED BY AN ASTERISK (\*) ARE INTENDED TO GUIDE A BUILDING LAYOUT START POINT.
- NEW CONSTRUCTION SHALL BE PARALLEL TO THE EXTERIOR WALLS OF EXISTING AREA B.
- BUILDING LAYOUT SHALL BE VERIFIED FROM THE BUILDING LAYOUT START POINT TO EXISTING AREA A PRIOR TO THE INSTALLATION OF ANY FOOTINGS IN AREAS C AND D. ANY DISCREPANCIES BETWEEN SURVEYED LAYOUT AND DIMENSIONAL EXPECTATIONS FROM THE CONTRACT DOCUMENTS SHALL BE COMMUNICATED TO THE ARCHITECT FOR REVIEW.

PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

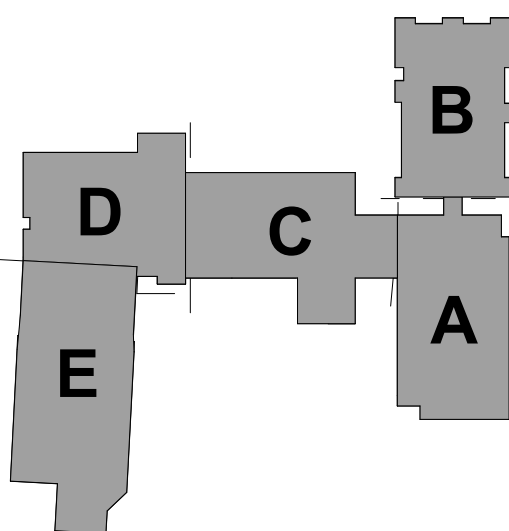
RATED ASSEMBLIES LEGEND

NOTES: RATINGS ARE NOT SHOWN THROUGH DOORS FOR CLARITY. SEE A001 FOR PARTITION TYPES. SEE LIFE SAFETY PLANS ON G003 AND G004 FOR FULL EXTENT OF RATINGS, INCLUDING HORIZONTAL RATINGS. RATINGS ARE CONTINUOUS AROUND OPENINGS AND OPENINGS ARE TO BE PROTECTED IN ACCORDANCE WITH THE NC STATE BUILDING CODE. PROTECT ALL PENETRATIONS.

ALL RATED ASSEMBLIES SHALL BE STENCILED WITH RATED WALL WARNING MESSAGE IN RED TO READ AS FOLLOWS: "1-HR RATED FIRE BARRIER. SEAL ALL PENETRATIONS" WITH APPLICABLE HOUR RATING INSERTED. HOUR RATING TO BE AS NOTED ON PLANS. MESSAGE TO BE 4" MIN HIGH LETTERS, PLACED 12" ABOVE CEILING, SPACED AT 12" O.C. ON BOTH SIDES OF WALLS AND ON UNDERSIDE OF HORIZONTAL RATED ASSEMBLIES.

SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

- |                         |
|-------------------------|
| 1-HR RATED FIRE BARRIER |
| 2-HR RATED FIRE WALL    |
| 2-HR RATED FIRE BARRIER |



KEY PLAN-1ST FLOOR  
NTS

A1 FIRST FLOOR OVERALL PLAN  
1/16" = 1'-0"

SHEET TITLE  
FIRST FLOOR  
OVERALL PLAN

A002



GENERAL BUILDING LAYOUT NOTES:

- DIMENSIONS FOLLOWED BY AN ASTERISK (\*) ARE INTENDED TO GUIDE A BUILDING LAYOUT START POINT.
- NEW CONSTRUCTION SHALL BE PARALLEL TO THE EXTERIOR WALLS OF EXISTING AREA B.
- BUILDING LAYOUT SHALL BE VERIFIED FROM THE BUILDING LAYOUT START POINT TO EXISTING AREA A PRIOR TO THE INSTALLATION OF ANY FOOTINGS IN AREAS C AND D. ANY DISCREPANCIES BETWEEN SURVEYED LAYOUT AND DIMENSIONAL EXPECTATIONS FROM THE CONTRACT DOCUMENTS SHALL BE COMMUNICATED TO THE ARCHITECT FOR REVIEW.

PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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PM: BETH KING  
Drawn By: LMY  
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DATE ISSUED

BID DOCUMENTS  
01/10/2025

SHEET TITLE  
FIRST FLOOR  
OVERALL PLAN - BID  
ALT NO. 1

**A003**

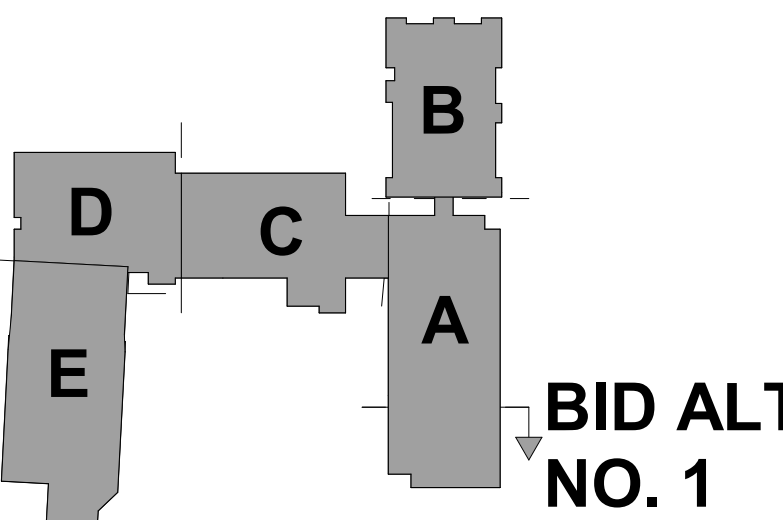
RATED ASSEMBLIES LEGEND

NOTES: RATINGS ARE NOT SHOWN THROUGH DOORS FOR CLARITY. SEE A001 FOR PARTITION TYPES. SEE LIFE SAFETY PLANS ON G003 AND G004 FOR FULL EXTENT OF RATINGS, INCLUDING HORIZONTAL RATINGS. RATINGS ARE CONTINUOUS AROUND OPENINGS AND OPENINGS ARE TO BE PROTECTED IN ACCORDANCE WITH THE NC STATE BUILDING CODE. PROTECT ALL PENETRATIONS.

ALL RATED ASSEMBLIES SHALL BE STENCILED WITH RATED WALL WARNING MESSAGE IN RED TO READ AS FOLLOWS: "1-HOUR RATED FIRE BARRIER. SEAL ALL PENETRATIONS" WITH APPLICABLE HOUR RATING INSERTED. HOUR RATING TO BE AS NOTED ON PLANS. MESSAGE TO BE 4" MIN HIGH LETTERS, PLACED 12" ABOVE CEILING, SPACED AT 12'-0" OC ON BOTH SIDES OF WALLS AND ON UNDERSIDE OF HORIZONTAL RATED ASSEMBLIES.

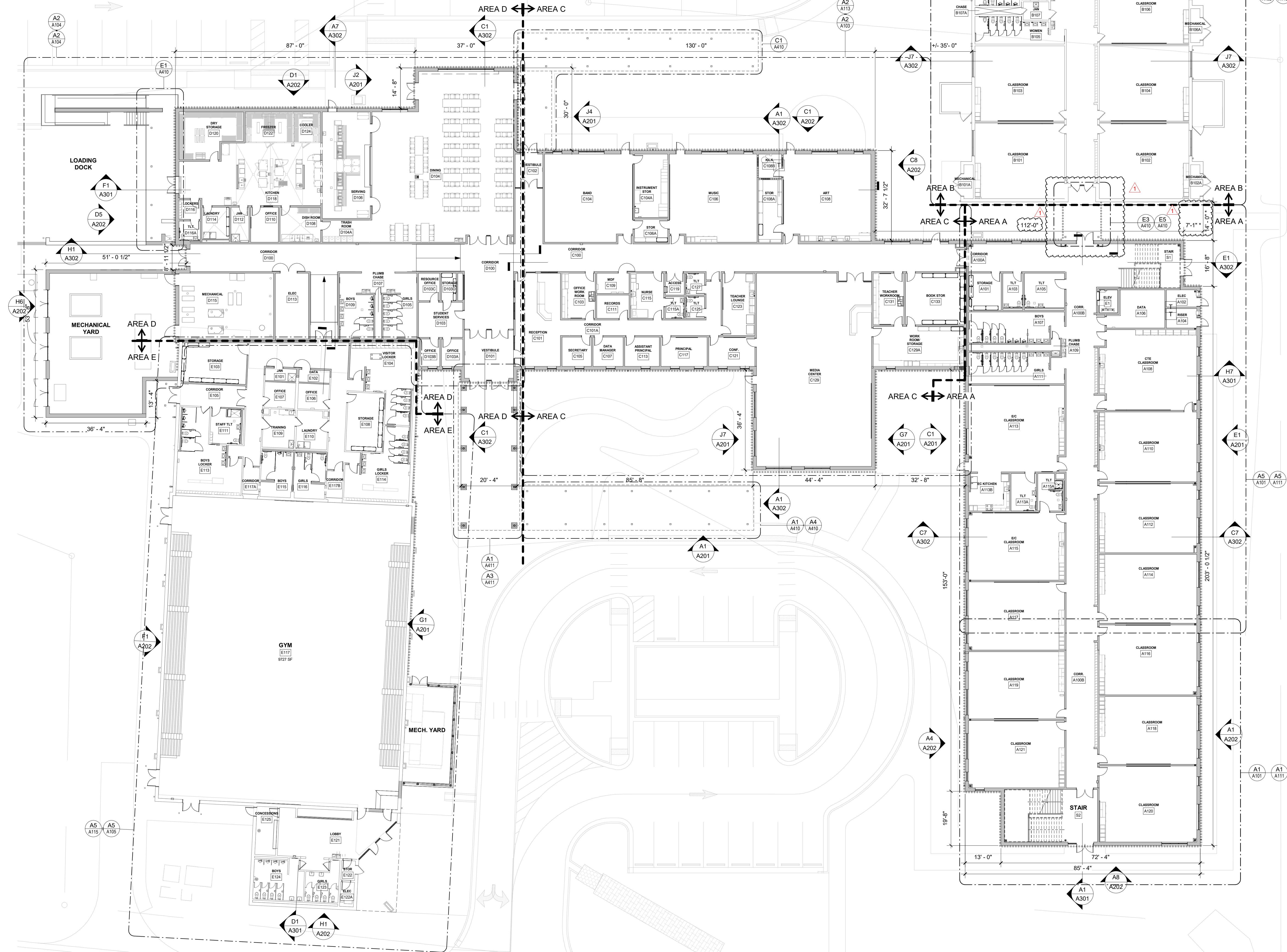
SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER



KEY PLAN - 1ST FLOOR ALT  
NTS

BID ALT  
NO. 1



**A1** FIRST FLOOR OVERALL PLAN - BID ALT NO. 1  
1/16" = 1'-0"



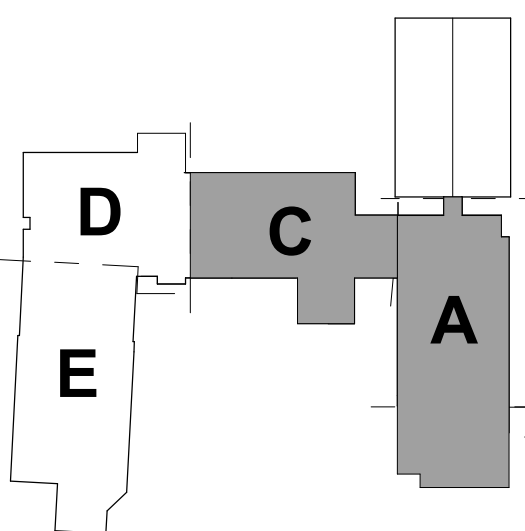
**RATED ASSEMBLIES LEGEND**

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SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER



**KEY PLAN - 2ND FLOOR**

NTS

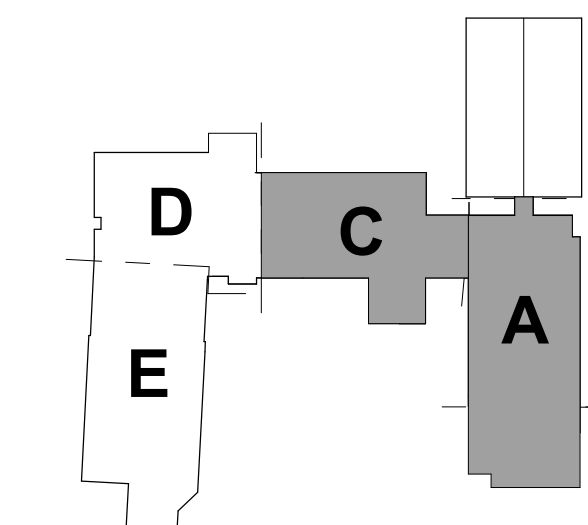
**A1 SECOND FLOOR OVERALL PLAN**

1/16" = 1'-0"



**A1 SECOND FLOOR OVERALL PLAN - BID ALT NO. 1**

1/16" = 1'-0"



**KEY PLAN - 2ND FLOOR**

NTS

**RATED ASSEMBLIES LEGEND**

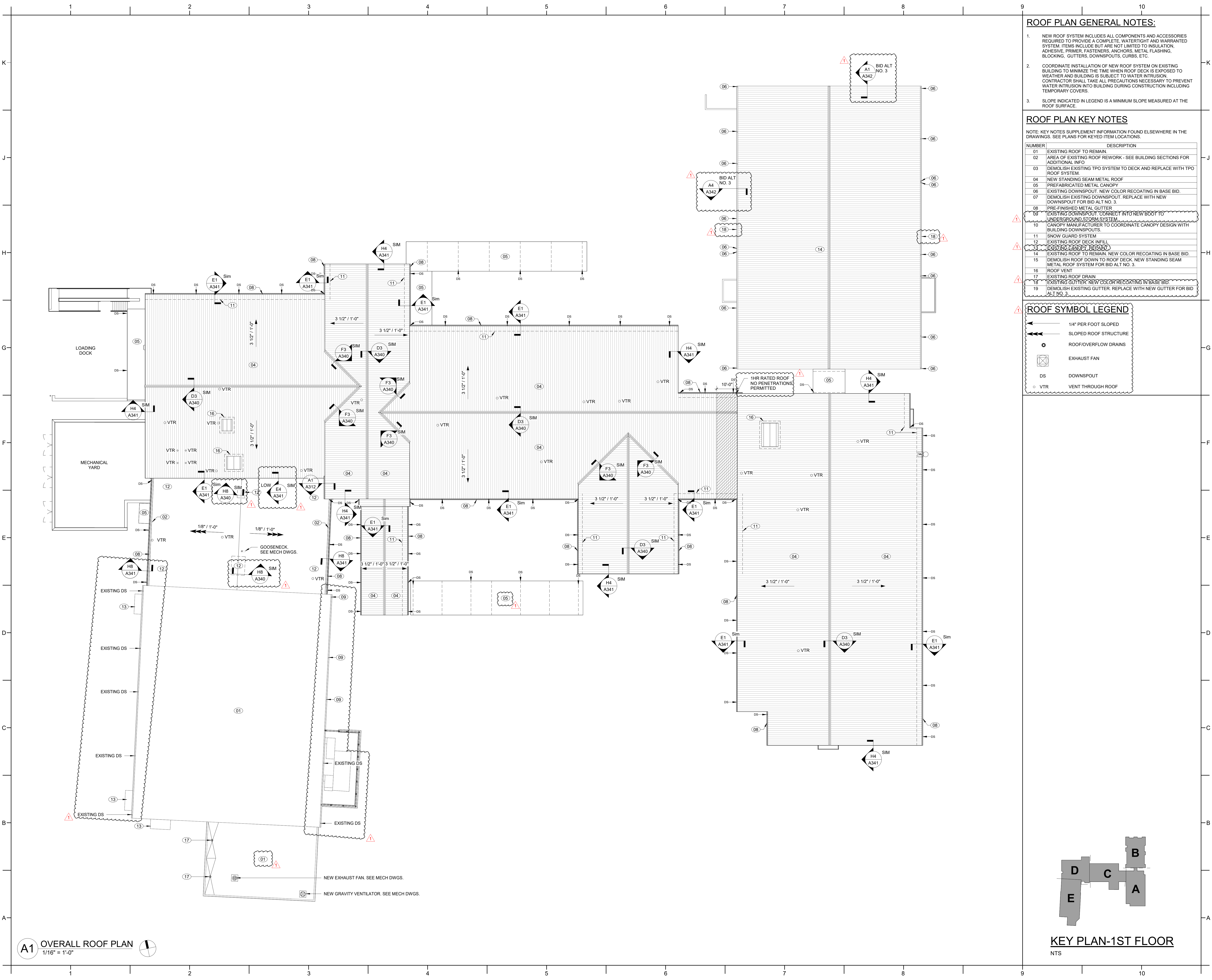
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SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER





ROOF PLAN GENERAL NOTES:

- NEW ROOF SYSTEM INCLUDES ALL COMPONENTS AND ACCESSORIES REQUIRED TO PROVIDE A COMPLETE, WATERTIGHT AND WARRANTED SYSTEM. ITEMS INCLUDE BUT ARE NOT LIMITED TO INSULATION, ADHESIVE, PRIMER, FASTENERS, ANCHORS, METAL FLASHING, BLOCKING, GUTTERS, DOWNSPOUTS, CURBS, ETC.
- COORDINATE INSTALLATION OF NEW ROOF SYSTEM ON EXISTING BUILDING TO MINIMIZE THE TIME WHEN ROOF DECK IS EXPOSED TO WEATHER AND BUILDING IS SUBJECT TO WATER INTRUSION. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT WATER INTRUSION INTO BUILDING DURING CONSTRUCTION INCLUDING TEMPORARY COVERS.
- SLOPE INDICATED IN LEGEND IS A MINIMUM SLOPE MEASURED AT THE ROOF SURFACE.

ROOF PLAN KEY NOTES

NOTE: KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS. SEE PLANS FOR KEYED ITEM LOCATIONS.

NUMBER	DESCRIPTION
01	EXISTING ROOF TO REMAIN
02	AREA OF EXISTING ROOF REWORK - SEE BUILDING SECTIONS FOR ADDITIONAL INFO
03	DEMOLISH EXISTING TPO SYSTEM TO DECK AND REPLACE WITH TPO ROOF SYSTEM
04	NEW STANDING SEAM METAL ROOF
05	PREFABRICATED METAL CANOPY
06	EXISTING DOWNSPOUT. NEW COLOR RECOATING IN BASE BID.
07	DEMOLISH EXISTING DOWNSPOUT. REPLACE WITH NEW DOWNSPOUT FOR BID ALT NO. 3.
08	PRE-FINISHED METAL GUTTER
09	EXISTING DOWNSPOUT. CONNECT INTO NEW BOOT TO UNDERGROUND STORM SYSTEM.
10	CANOPY MANUFACTURER TO COORDINATE CANOPY DESIGN WITH BUILDING DOWNSPOUTS.
11	SNOW GUARD SYSTEM
12	EXISTING ROOF DECK INFILL
13	EXISTING CANOPY REPAIR
14	EXISTING ROOF TO REMAIN. NEW COLOR RECOATING IN BASE BID.
15	DEMOLISH ROOF DOWN TO ROOF DECK. NEW STANDING SEAM METAL ROOF SYSTEM FOR BID ALT NO. 3.
16	ROOF VENT
17	EXISTING ROOF DRAIN
18	EXISTING GUTTER. NEW COLOR RECOATING IN BASE BID.
19	DEMOLISH EXISTING GUTTER. REPLACE WITH NEW GUTTER FOR BID ALT NO. 3.

ROOF SYMBOL LEGEND

- 1/4" PER FOOT SLOPED
- SLOPED ROOF STRUCTURE
- ROOF/OVERFLOW DRAINS
- EXHAUST FAN
- DS DOWNSPOUT
- VTR VENT THROUGH ROOF

PROJECT INFORMATION

**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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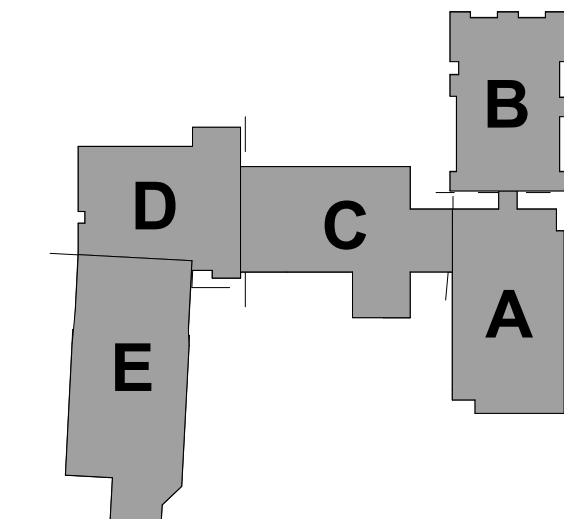
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BID DOCUMENTS  
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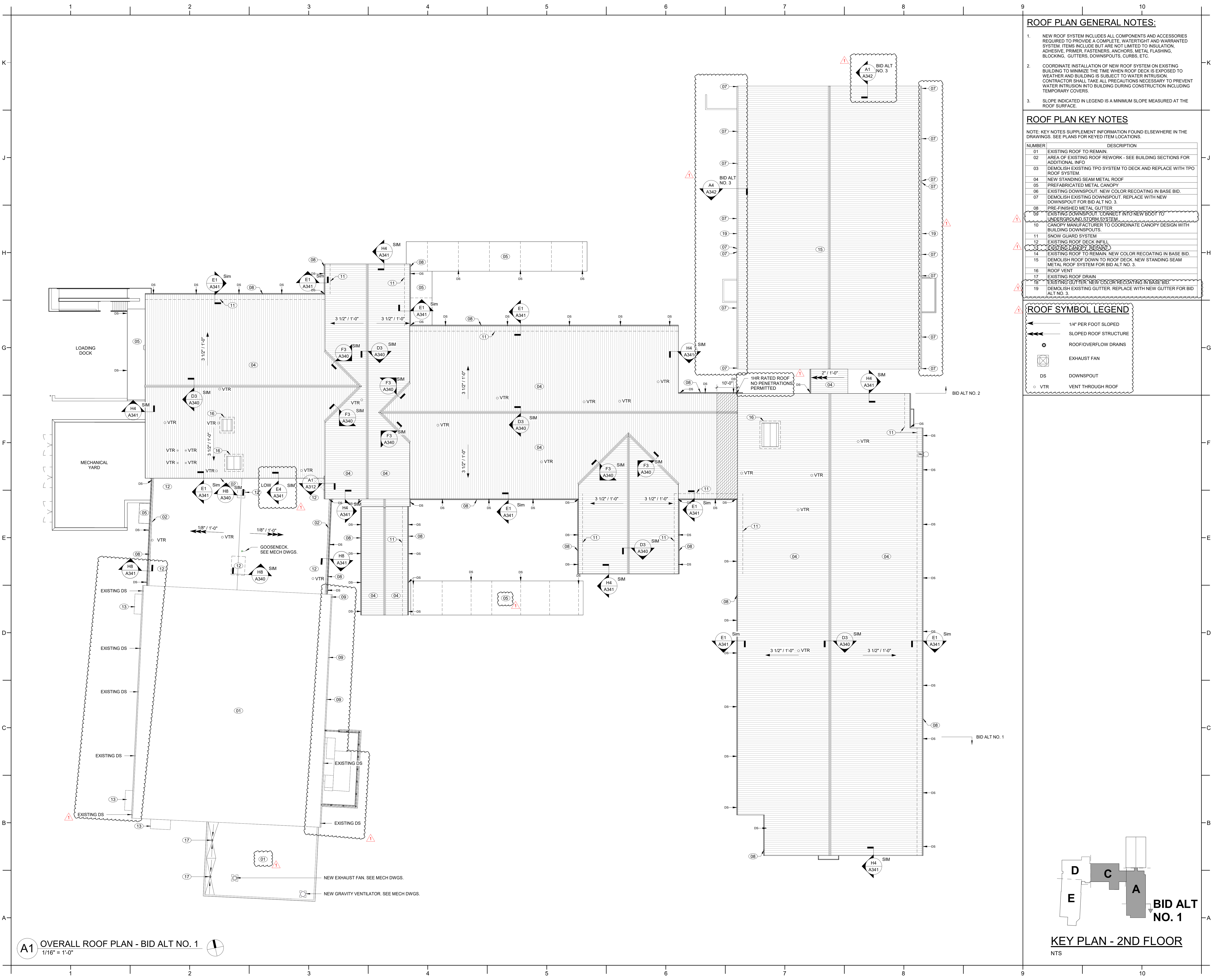
SHEET TITLE  
OVERALL ROOF  
PLAN

**A006**



**KEY PLAN-1ST FLOOR**  
NTS





ROOF PLAN GENERAL NOTES:

- NEW ROOF SYSTEM INCLUDES ALL COMPONENTS AND ACCESSORIES REQUIRED TO PROVIDE A COMPLETE, WATERTIGHT AND WARRANTED SYSTEM. ITEMS INCLUDE BUT ARE NOT LIMITED TO INSULATION, ADHESIVE, PRIMER, FASTENERS, ANCHORS, METAL FLASHING, BLOCKING, GUTTERS, DOWNSPOUTS, CURBS, ETC.
- COORDINATE INSTALLATION OF NEW ROOF SYSTEM ON EXISTING BUILDING TO MINIMIZE THE TIME WHEN ROOF DECK IS EXPOSED TO WEATHER AND BUILDING IS SUBJECT TO WATER INTRUSION. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT WATER INTRUSION INTO BUILDING DURING CONSTRUCTION INCLUDING TEMPORARY COVERS.
- SLOPE INDICATED IN LEGEND IS A MINIMUM SLOPE MEASURED AT THE ROOF SURFACE.

ROOF PLAN KEY NOTES

NOTE: KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS. SEE PLANS FOR KEYED ITEM LOCATIONS.

NUMBER	DESCRIPTION
01	EXISTING ROOF TO REMAIN
02	AREA OF EXISTING ROOF REWORK - SEE BUILDING SECTIONS FOR ADDITIONAL INFO
03	DEMOLISH EXISTING TPO SYSTEM TO DECK AND REPLACE WITH TPO ROOF SYSTEM
04	NEW STANDING SEAM METAL ROOF
05	PREFABRICATED METAL CANOPY
06	EXISTING DOWNSPOUT. NEW COLOR RECOATING IN BASE BID.
07	DEMOLISH EXISTING DOWNSPOUT. REPLACE WITH NEW DOWNSPOUT FOR BID ALT NO. 3.
08	PRE-FINISHED METAL GUTTER
09	EXISTING DOWNSPOUT. CONNECT INTO NEW BOOT TO UNDERGROUND STORM SYSTEM.
10	CANOPY MANUFACTURER TO COORDINATE CANOPY DESIGN WITH BUILDING DOWNSPOUTS.
11	SNOW GUARD SYSTEM
12	EXISTING ROOF DECK INFILL
13	EXISTING CANOPY REPAIR
14	EXISTING ROOF TO REMAIN. NEW COLOR RECOATING IN BASE BID.
15	DEMOLISH ROOF DOWN TO ROOF DECK. NEW STANDING SEAM METAL ROOF SYSTEM FOR BID ALT NO. 3.
16	ROOF VENT
17	EXISTING ROOF DRAIN
18	EXISTING GUTTER. NEW COLOR RECOATING IN BASE BID.
19	DEMOLISH EXISTING GUTTER. REPLACE WITH NEW GUTTER FOR BID ALT NO. 3.

ROOF SYMBOL LEGEND

- 1/4" PER FOOT SLOPED
- SLOPED ROOF STRUCTURE
- ROOF/OVERFLOW DRAINS
- EXHAUST FAN
- DS DOWNSPOUT
- VTR VENT THROUGH ROOF

PROJECT INFORMATION

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**ADDITION AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



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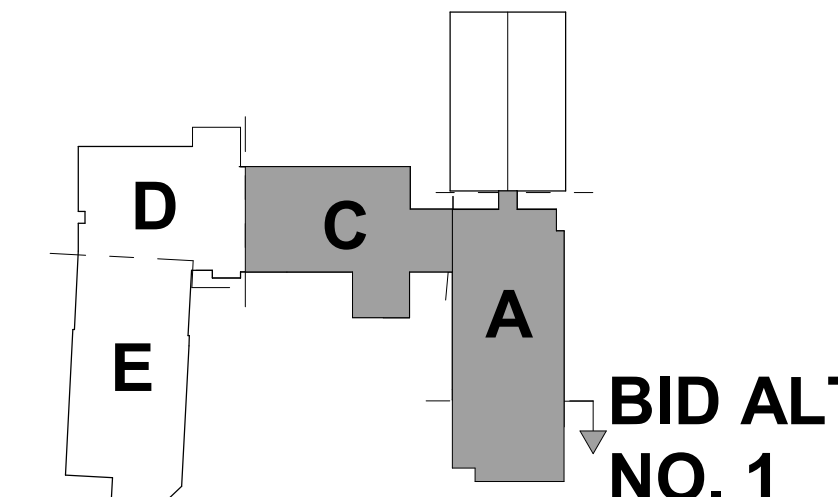
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BID DOCUMENTS  
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SHEET TITLE  
OVERALL ROOF  
PLAN - BID ALT

**A007**

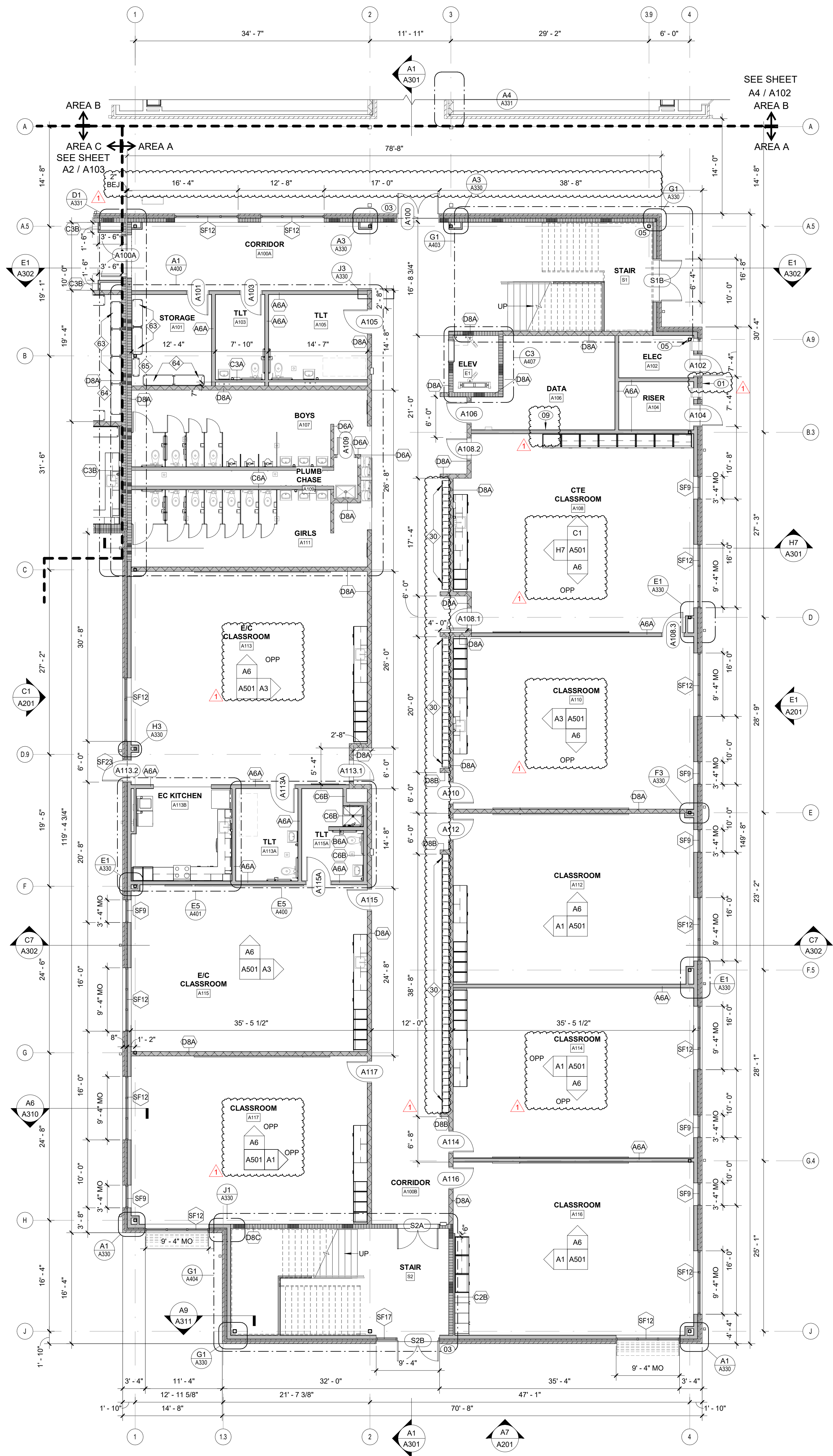


**KEY PLAN - 2ND FLOOR**  
NTS

**BID ALT NO. 1**

**A1 OVERALL ROOF PLAN - BID ALT NO. 1**  
1/16" = 1'-0"









**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

### FLOOR PLAN KEY NOTES

NOTE: NOT ALL KEY NOTES BELOW ARE APPLICABLE TO THIS SHEET. KEY  
NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS.  
SEE SHEET A000 FOR FLOOR PLAN GENERAL NOTES.  
SEE SHEET A000 FOR FF&E LEGEND.

01	LOCK BOX, FULLY RECESSED IN WALL. OPERATING PARTS SHALL BE 4" MAX AFF. COORDINATE EXACT LOCATION WITH FIRE MARSHAL.
02	FLOOR DRAIN LOCATION. SLOPE SLAB TO FLOOR DRAIN. DASHED LINE INDICATES EXTENSION OF SLOPE FLOOR (2" / 14" PER FOOT SLOPE. SEE STRUCTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
03	CARD READER. SEE ELECTRICAL DRAWINGS FOR ADDITION REQUIREMENTS.
04	ACCESS LADDER. SEE DETAILS E16G1/A407 SIM.
05	AESS COLUMN. SEE STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
06	ILLUMINATED DISPLAY CASE
07	CENTER WALL ON COLUMN CENTERLINE
08	4" FROM MASONRY OPENING TO INSIDE OF ADJACENT PERPENDICULAR WALL, EVEN WHERE NOT A MASONRY HEAD JOINT. TO ENSURE NO OPENING FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT MASONRY WALL.
09	4"x8" BRT PLYWOOD
10	BOLLARD FOR CARD READER
11	SYSTEM FOR OPENING DOOR 1

## RATED ASSEMBLIES LEGEND

NOTES: RATINGS ARE NOT SHOWN THROUGH DOORS FOR CLARITY. SEE A001 FOR PARTITION TYPES. SEE LIFE SAFETY PLANS ON G003 AND G004 FOR FULL EXTENT OF RATINGS, INCLUDING HORIZONTAL RATINGS. RATINGS ARE CONTINUOUS AROUND OPENINGS AND OPENINGS ARE TO BE PROTECTED IN ACCORDANCE WITH THE NC STATE BUILDING CODE. PROTECT ALL PENETRATIONS

ALL RATED ASSEMBLIES SHALL BE STENCILED WITH RATED WALL WARNING MESSAGE IN RED TO READ AS FOLLOWS: "1-HOUR RATED FIRE BARRIER, SEALED PENETRATIONS" WITH APPLICABLE HOUR RATING INSERTED. HOUR RATING TO BE AS NOTED ON PLANS. MESSAGE TO BE 4" MIN HIGH LETTERS, PLACED 12" ABOVE CEILING, SPACED AT 12"-0" OC ON BOTH SIDES OF WALLS AND ON UNDERSIDE OF HORIZONTAL RATED ASSEMBLIES.

SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

 1-HR RATED FIRE BARRIER  
 2-HR RATED FIRE WALL  
 2-HR RATED FIRE BARRIER

SEALS



DKA JOB NUMBER

2401

## REVISIONS

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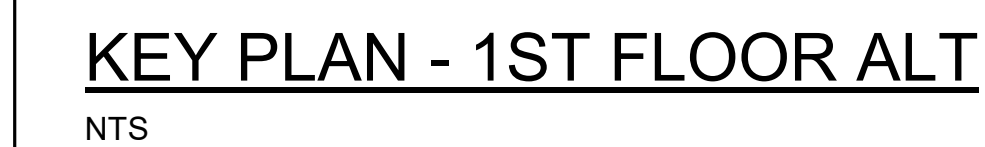
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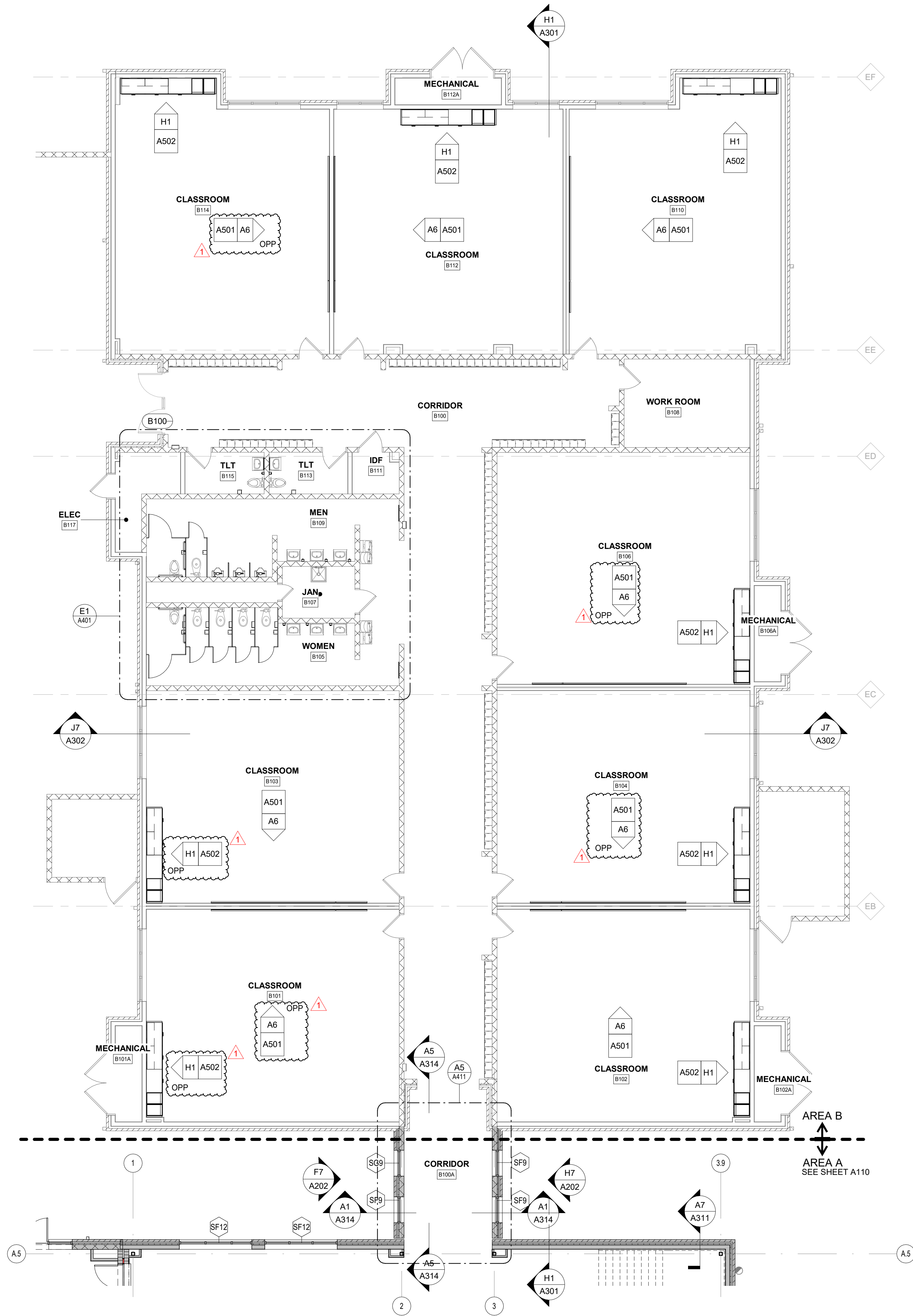
FIRST FLOOR PLAN -  
AREA A - BID ALT NO.  
1

A101



**BID ALT  
NO. 1**





**A4** FIRST FLOOR PLAN - ALT AREA B - BID ALT NO. 2  
1/8" = 1'-0"

**FLOOR PLAN KEY NOTES**

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02	FLOOR DRAIN LOCATION. SLOPE SLAB TO FLOOR DRAIN. DASHED LINE INDICATES EXTENTS OF SLOPED FLOOR (2'-0"). 1/4" PER FOOT SLOPE. SEE STRUCTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
03	CARD READER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
04	ACCESS LADDER. SEE DETAILS E1&G1/A407 SIM.
05	AESS COLUMN. SEE STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
06	ILLUMINATED DISPLAY CASE
07	CENTER WALL ON COLUMN CENTERLINE
08	4" FROM MASONRY OPENING TO INSIDE OF ADJACENT PERPENDICULAR WALL, EVEN WHERE NOT A MASONRY HEAD JOINT, TO ENSURE 18" MINIMUM FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT MASONRY WALL.
09	4x8 FRT PLYWOOD
10	BOLLARD FOR CARD READER
11	EXISTING DOOR OPENING INFILL

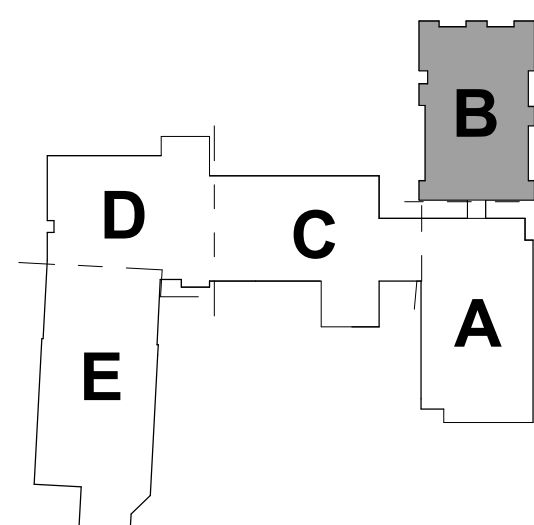
**RATED ASSEMBLIES LEGEND**

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SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER	1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL	2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER	2-HR RATED FIRE BARRIER



**KEY PLAN-1ST FLOOR**

NTS



**FLOOR PLAN KEY NOTES**

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03	CARD READER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
04	ACCESS LADDER. SEE DETAILS E1&G1/A407 SIM.
05	AESS COLUMN. SEE STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
06	ILLUMINATED DISPLAY CASE
07	CENTER WALL ON COLUMN CENTERLINE
08	4" FROM MASONRY OPENING TO INSIDE OF ADJACENT PERPENDICULAR WALL, EVEN WHERE NOT A MASONRY HEAD JOINT, TO ENSURE 18" MINIMUM FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT MASONRY WALL.
09	4x8 FRIT PLYWOOD
10	BOLLARD FOR CARD READER
11	EXISTING DOOR OPENING INFILL

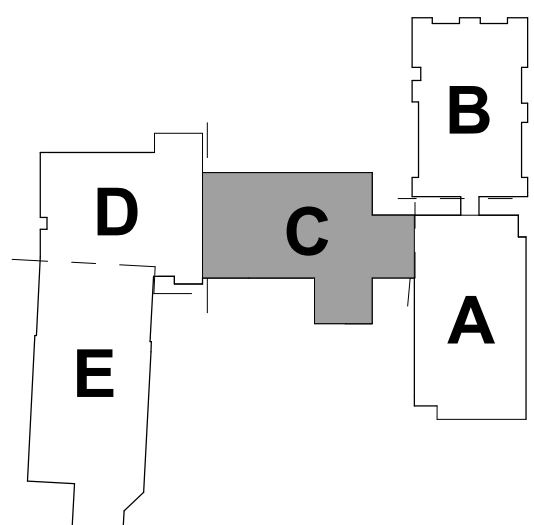
**RATED ASSEMBLIES LEGEND**

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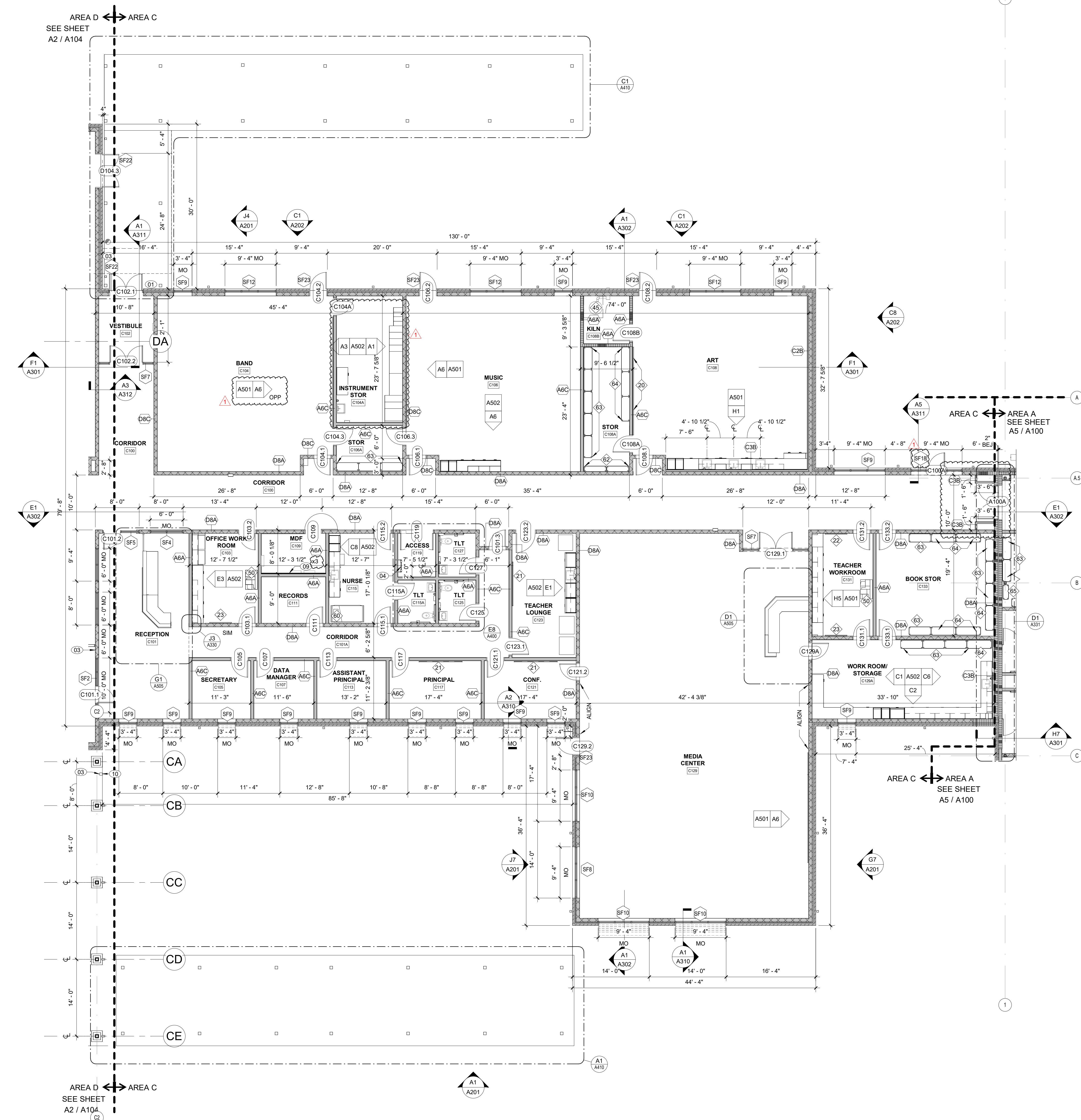
SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER

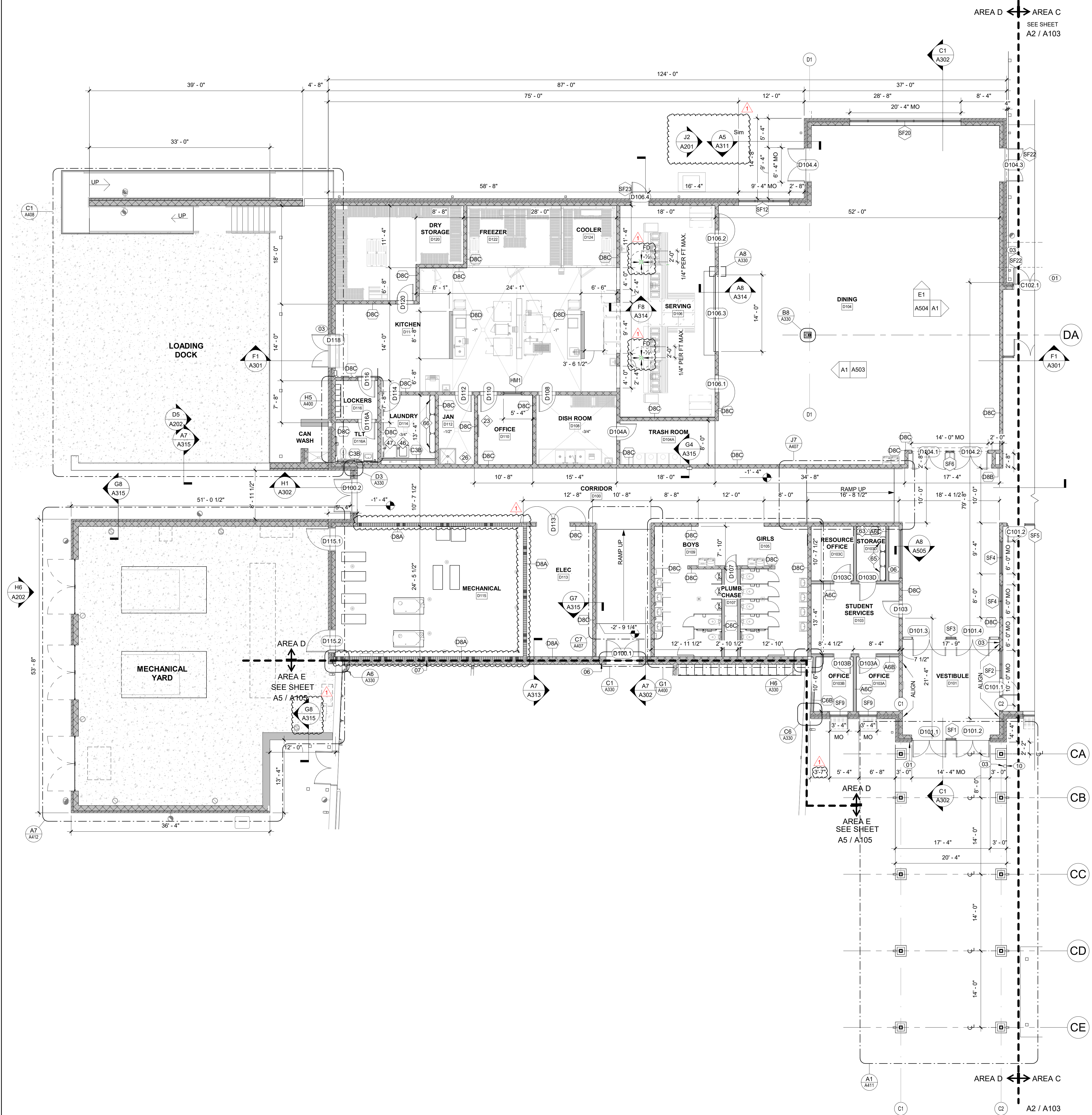


**KEY PLAN-1ST FLOOR**  
NTS

**A2 FIRST FLOOR PLAN - AREA C**  
1/8" = 1'-0"







**A2** FIRST FLOOR PLAN - AREA D  
1/8" = 1'-0"

**FLOOR PLAN KEY NOTES**

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03	CARD READER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
04	ACCESS LADDER. SEE DETAILS E1&G1/A407 SIM.
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06	ILLUMINATED DISPLAY CASE
07	CENTER WALL ON COLUMN CENTERLINE
08	4" FROM MASONRY OPENING TO INSIDE OF ADJACENT PERPENDICULAR WALL, EVEN WHERE NOT A MASONRY HEAD JOINT, TO ENSURE 18" MINIMUM FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT MASONRY WALL.
09	4x8 FRIT PLYWOOD
10	BOLLARD FOR CARD READER
11	EXISTING DOOR OPENING INFILL

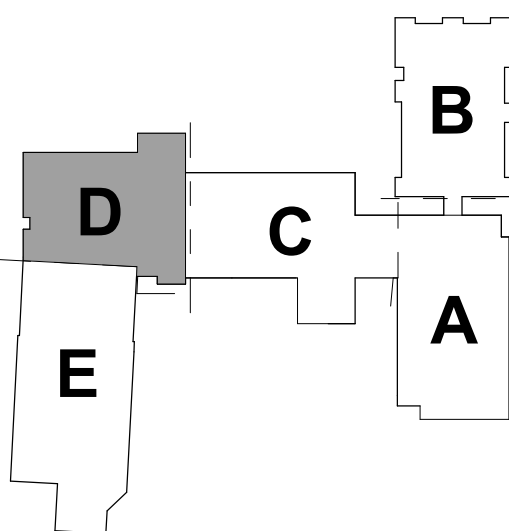
**RATED ASSEMBLIES LEGEND**

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SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER



**KEY PLAN-1ST FLOOR**  
NTS

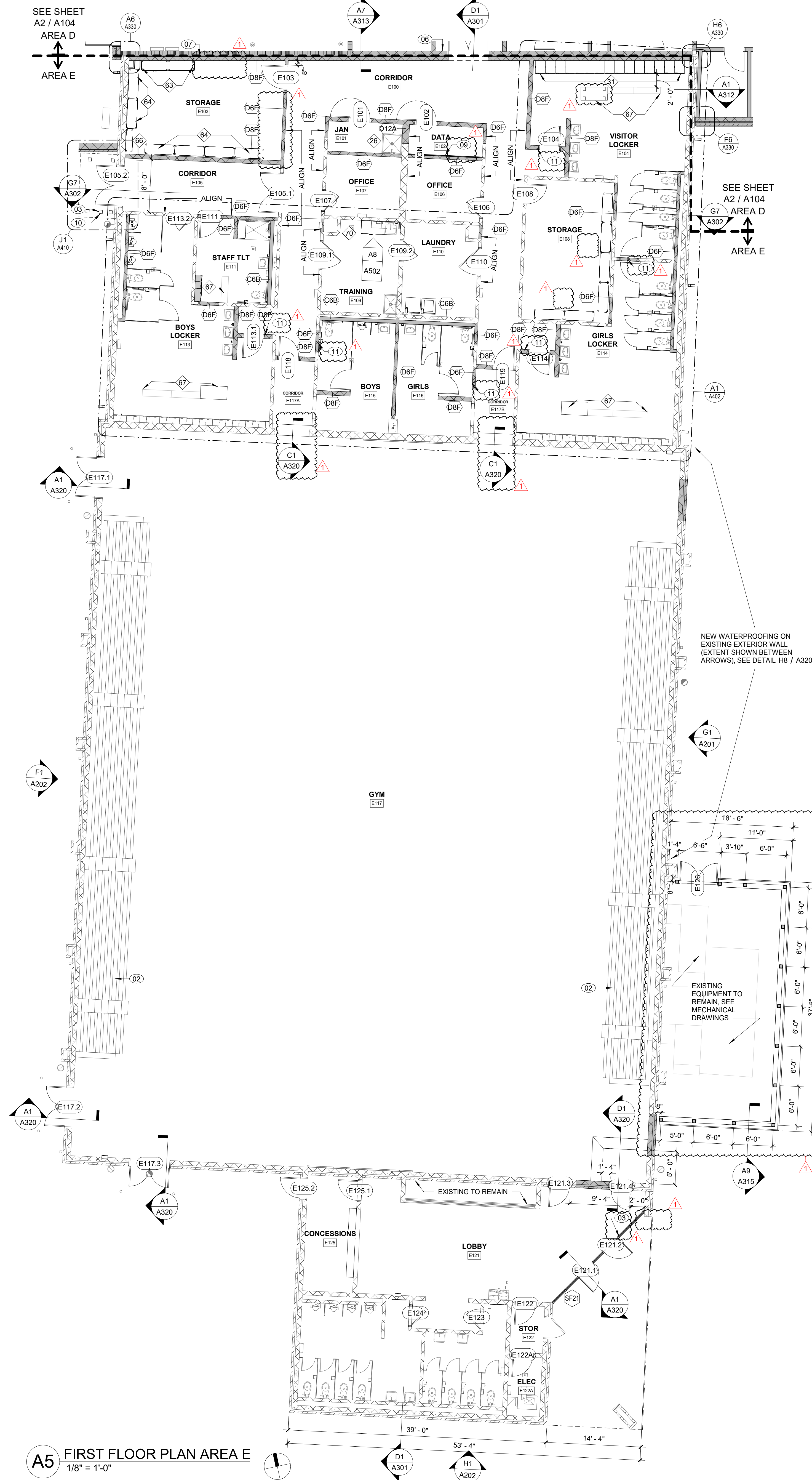




1	ADDENDUM #1	2/3/2025

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**FLOOR PLAN KEY NOTES**

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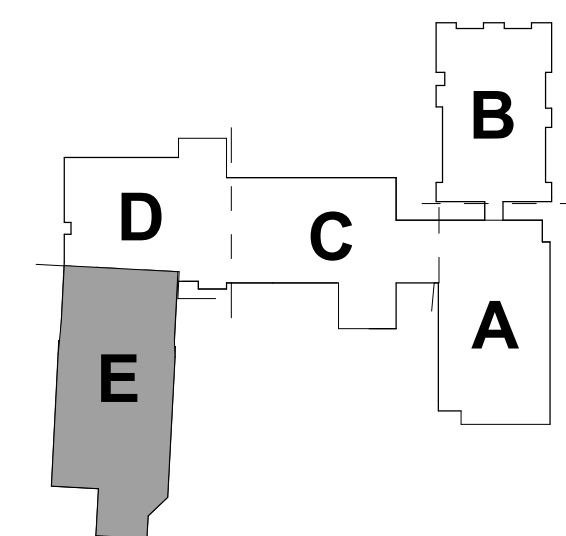
01	LOCK BOX - FULLY RECESSED IN WALL. OPERATING PARTS SHALL BE 4" MAX AFF. COORDINATE EXACT LOCATION WITH FIRE MARSHAL.
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03	CARD READER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
04	ACCESS LADDER. SEE DETAILS E1&G1/A407 SIM.
05	AESS COLUMN. SEE STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
06	ILLUMINATED DISPLAY CASE
07	CENTER WALL ON COLUMN CENTERLINE
08	4" FROM MASONRY OPENING TO INSIDE OF ADJACENT PERPENDICULAR WALL, EVEN WHERE NOT A MASONRY HEAD JOINT, TO ENSURE 18" MINIMUM FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT MASONRY WALL.
09	4x8 FRP PLYWOOD
10	BOLLARD FOR CARD READER
11	EXISTING DOOR OPENING INFILL

**RATED ASSEMBLIES LEGEND**

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SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

	1-HR RATED FIRE BARRIER
	2-HR RATED FIRE WALL
	2-HR RATED FIRE BARRIER



**KEY PLAN-1ST FLOOR**  
NTS

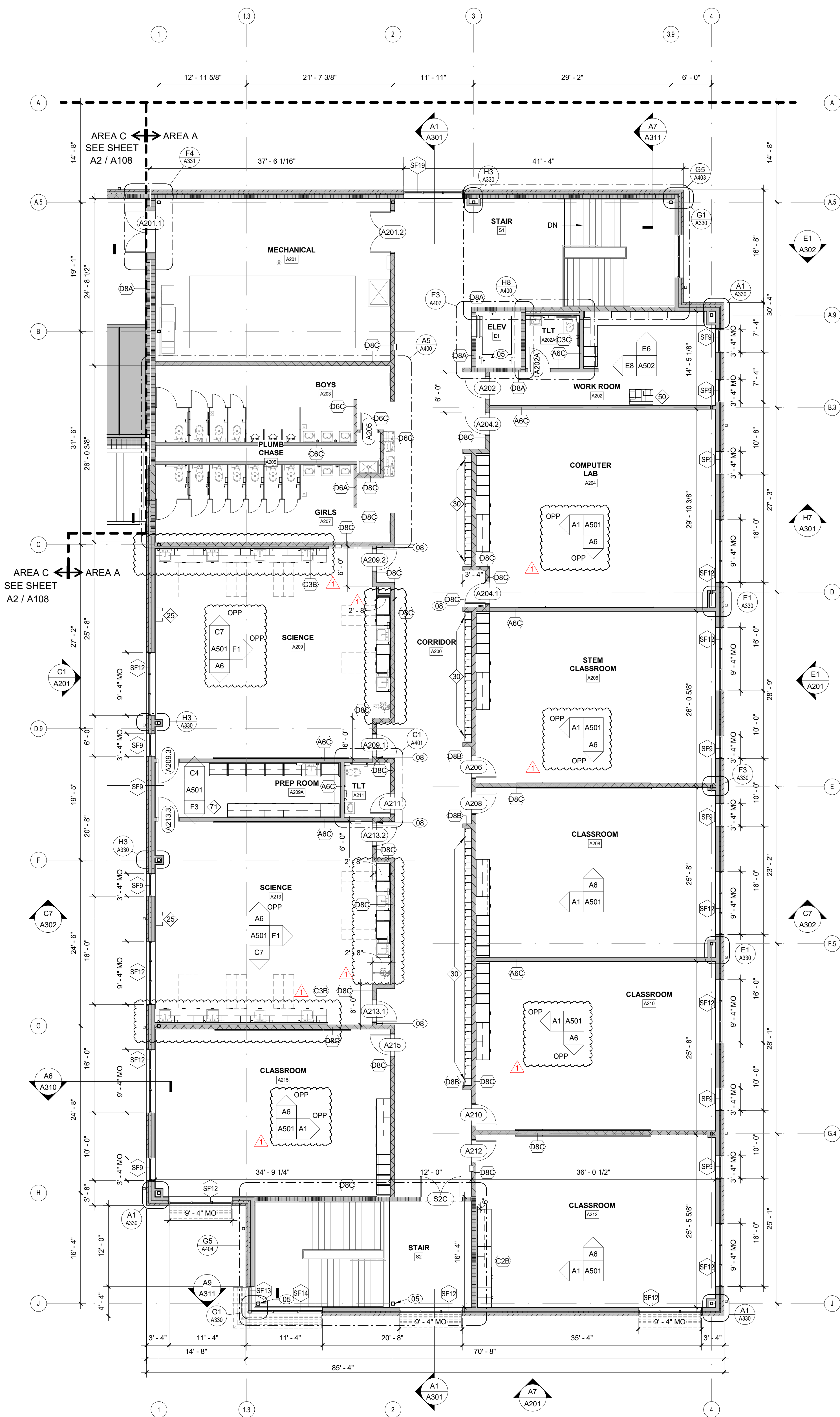




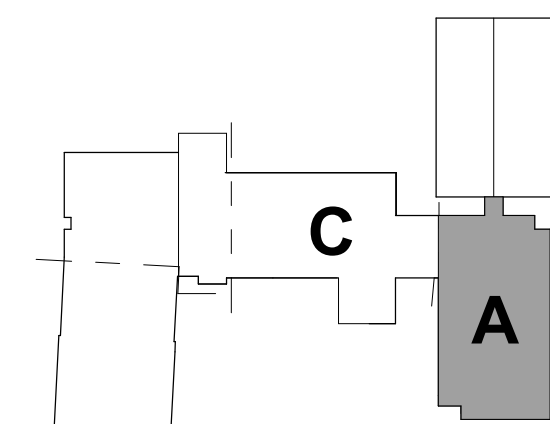
1	ADDENDUM #1	2/3/2025

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**A5 SECOND FLOOR PLAN - AREA A**  
1/8" = 1'-0"



**KEY PLAN - 2ND FLOOR**  
NTS

**FLOOR PLAN KEY NOTES**

NOTE: NOT ALL KEY NOTES BELOW ARE APPLICABLE TO THIS SHEET. KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS. SEE SHEET A000 FOR FLOOR PLAN GENERAL NOTES. SEE SHEET A000 FOR FF&E LEGEND.

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02	FLOOR DRAIN LOCATION. SLOPE SLAB TO FLOOR DRAIN. DASHED LINE INDICATES EXTENTS OF SLOPED FLOOR (2'-0"). 1/4" PER FOOT SLOPE. SEE STRUCTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
03	CARD READER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
04	ACCESS LADDER. SEE DETAILS E1&G1/A407 SIM.
05	AESS COLUMN. SEE STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
06	ILLUMINATED DISPLAY CASE
07	CENTER WALL ON COLUMN CENTERLINE
08	4" FROM MASONRY OPENING TO INSIDE OF ADJACENT PERPENDICULAR WALL, EVEN WHERE NOT A MASONRY HEAD JOINT, TO ENSURE 18" MINIMUM FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT MASONRY WALL.
09	4x8 FRP PLYWOOD
10	BOLLARD FOR CARD READER
11	EXISTING DOOR OPENING INFILL

**RATED ASSEMBLIES LEGEND**

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SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER



ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

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REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2/3/2025

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PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: LMY  
Plot Date: 1/31/2025 3:35:18 PM

DATE ISSUED

BID DOCUMENTS  
01/10/2025

SHEET TITLE  
SECOND FLOOR  
PLAN - AREA A - BID  
ALT NO. 1

A107

FLOOR PLAN KEY NOTES

NOTE: NOT ALL KEY NOTES BELOW ARE APPLICABLE TO THIS SHEET. KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS. SEE SHEET A000 FOR FLOOR PLAN GENERAL NOTES. SEE SHEET A000 FOR FF&E LEGEND.

01	LOCK BOX: FULLY RECESSED IN WALL. OPERATING PARTS SHALL BE 4" MAX AFF. COORDINATE EXACT LOCATION WITH FIRE MARSHAL.
02	FLOOR DRAIN LOCATION. SLOPE SLAB TO FLOOR DRAIN. DASHED LINE INDICATES EXTENTS OF SLOPED FLOOR (2'-0"). 1/4" PER FOOT SLOPE. SEE STRUCTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
03	CARD READER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
04	ACCESS LADDER. SEE DETAILS E1&G1/A407 SIM.
05	AESS COLUMN. SEE STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
06	ILLUMINATED DISPLAY CASE
07	CENTER WALL ON COLUMN CENTERLINE
08	4" FROM MASONRY OPENING TO INSIDE OF ADJACENT PERPENDICULAR WALL, EVEN WHERE NOT A MASONRY HEAD JOINT, TO ENSURE 18" MINIMUM FROM STRIKE SIDE OF DOOR TO INSIDE OF ADJACENT MASONRY WALL.
09	4x8 FRP PLYWOOD
10	DOLLARD FOR CARD READER
11	EXISTING DOOR OPENING INFILL

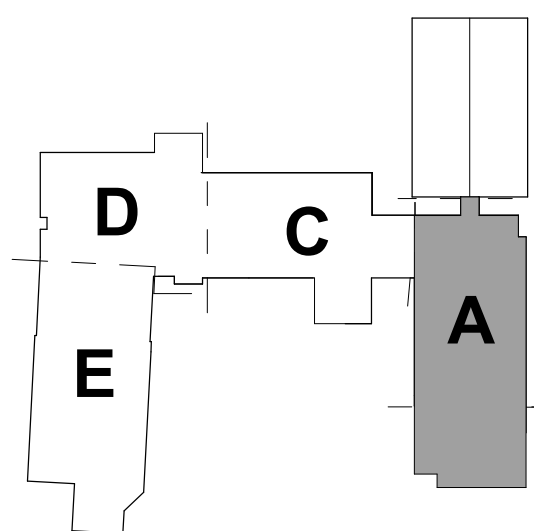
RATED ASSEMBLIES LEGEND

NOTES: RATINGS ARE NOT SHOWN THROUGH DOORS FOR CLARITY. SEE A001 FOR PARTITION TYPES. SEE LIFE SAFETY PLANS ON G003 AND G004 FOR FULL EXTENT OF RATINGS, INCLUDING HORIZONTAL RATINGS. RATINGS ARE CONTINUOUS AROUND OPENINGS AND OPENINGS ARE TO BE PROTECTED IN ACCORDANCE WITH THE NC STATE BUILDING CODE. PROTECT ALL PENETRATIONS.

ALL RATED ASSEMBLIES SHALL BE STENCILED WITH RATED WALL WARNING MESSAGE IN RED TO READ AS FOLLOWS: 1-HOUR RATED FIRE BARRIER. SEAL ALL PENETRATIONS WITH APPLICABLE HOUR RATING INSERTED. HOUR RATING TO BE AS NOTED ON PLANS. MESSAGE TO BE 4" MIN HIGH LETTERS, PLACED 12" ABOVE CEILING, SPACED AT 12"-0" OC ON BOTH SIDES OF WALLS AND ON UNDERSIDE OF HORIZONTAL RATED ASSEMBLIES.

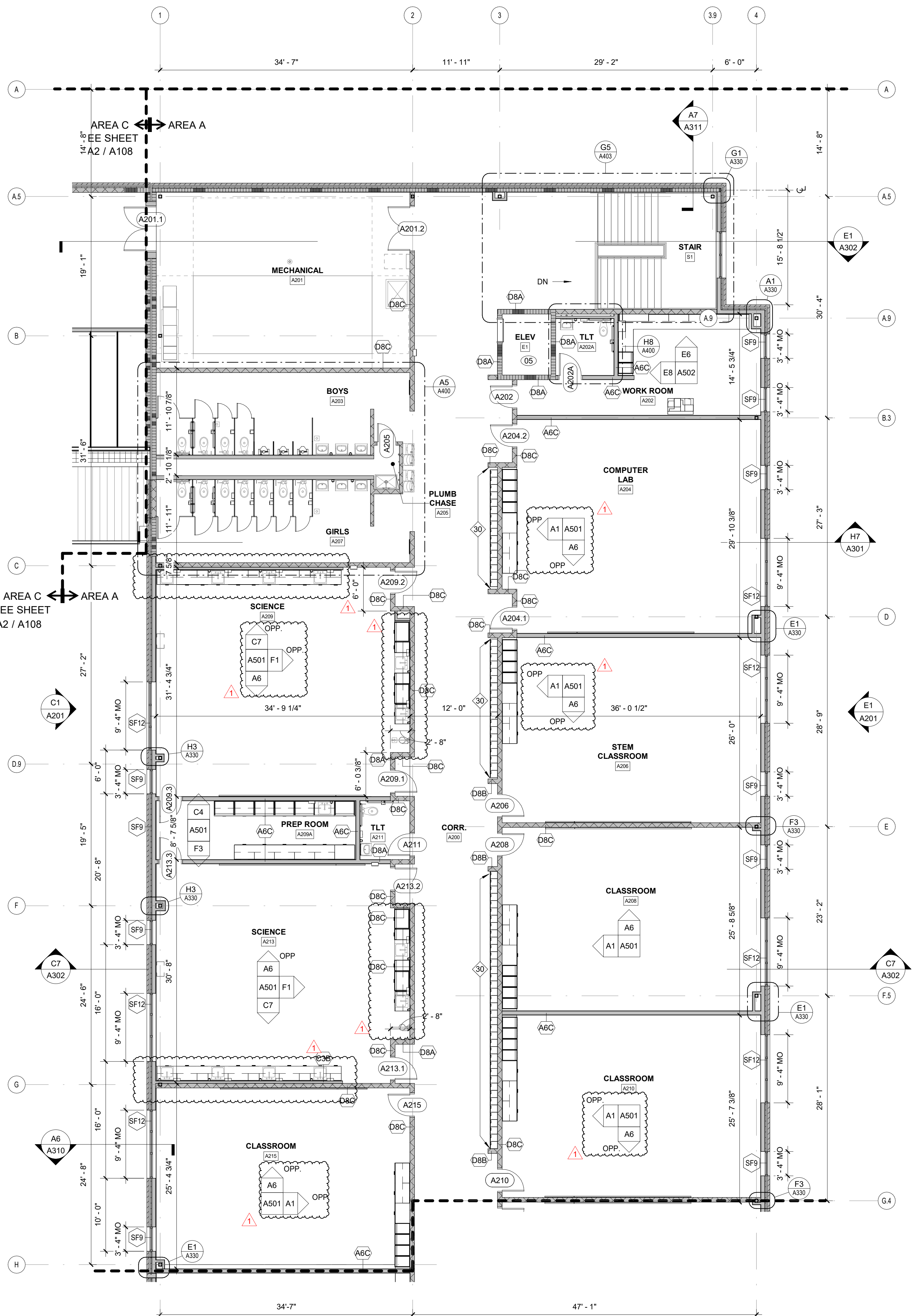
SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER

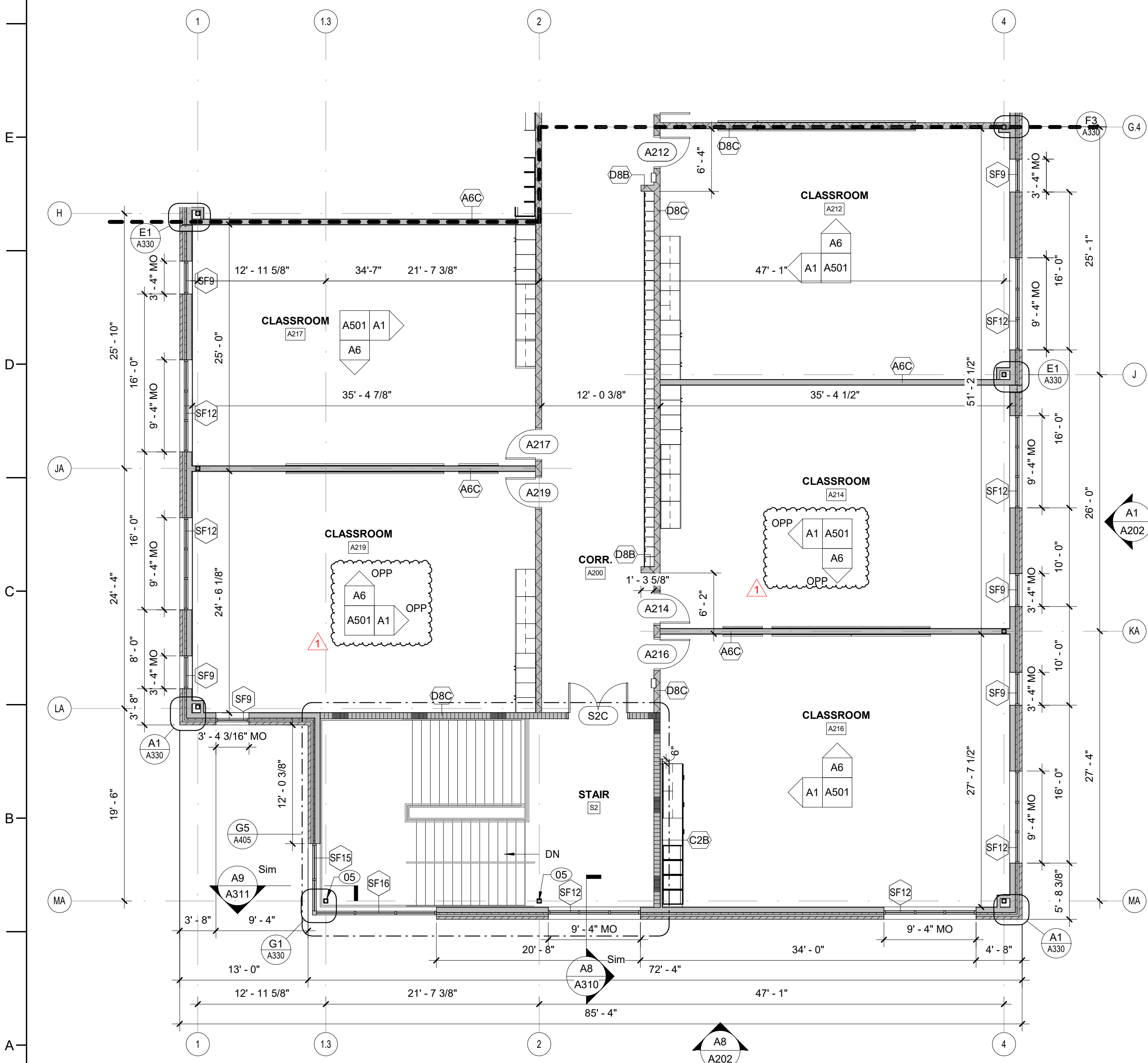


KEY PLAN - 2ND FLOOR

NTS



A5 SECOND FLOOR PLAN - AREA A1 - BID ALT NO. 1  
1/8" = 1'-0"



A1 SECOND FLOOR PLAN - AREA A2 - BID ALT NO. 1  
1/8" = 1'-0"



**FLOOR PLAN KEY NOTES**

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09	4x8 FRT PLYWOOD
10	BOLLARD FOR CARD READER
11	EXISTING DOOR OPENING INFILL

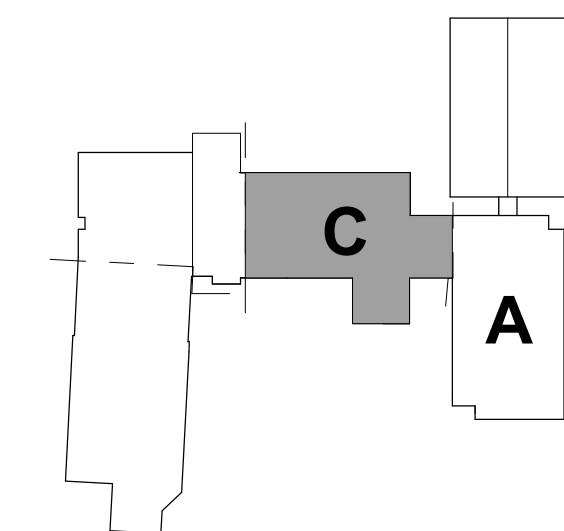
**RATED ASSEMBLIES LEGEND**

NOTES: RATINGS ARE NOT SHOWN THROUGH DOORS FOR CLARITY. SEE A001 FOR PARTITION TYPES. SEE LIFE SAFETY PLANS ON G003 AND G004 FOR FULL EXTENT OF RATINGS, INCLUDING HORIZONTAL RATINGS. RATINGS ARE CONTINUOUS AROUND OPENINGS AND OPENINGS ARE TO BE PROTECTED IN ACCORDANCE WITH THE NC STATE BUILDING CODE. PROTECT ALL PENETRATIONS.

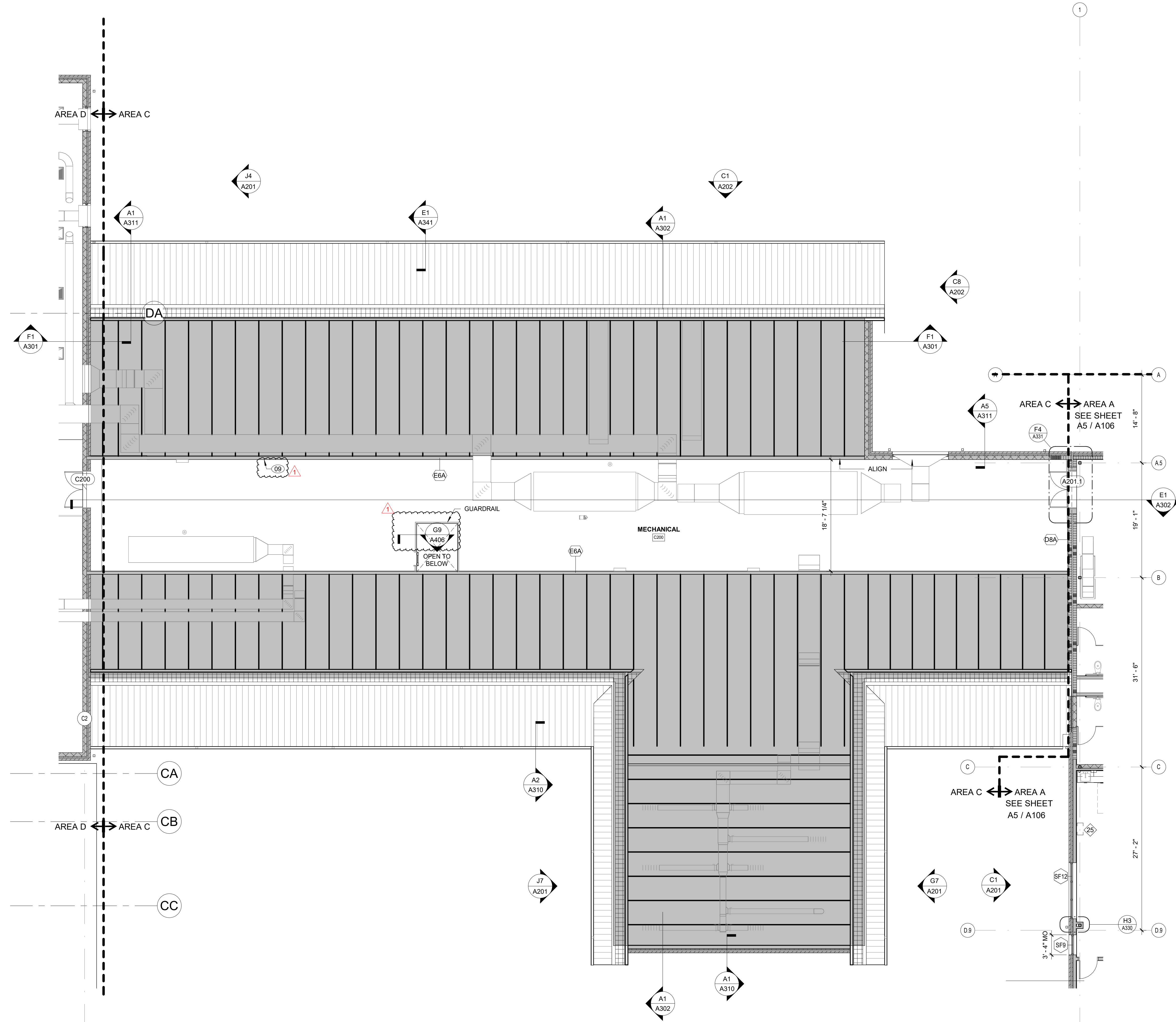
ALL RATED ASSEMBLIES SHALL BE STENCILED WITH RATED WALL WARNING MESSAGE IN RED TO READ AS FOLLOWS: "1-HR RATED FIRE BARRIER SEAL ALL PENETRATIONS" WITH APPLICABLE HOUR RATING INSERTED. HOUR RATING TO BE AS NOTED ON PLANS. MESSAGE TO BE 4" MIN HIGH LETTERS, PLACED 12" ABOVE CEILING, SPACED AT 12'-0" OC ON BOTH SIDES OF WALLS AND ON UNDERSIDE OF HORIZONTAL RATED ASSEMBLIES.

SEE G-SHEETS FOR RATED ASSEMBLIES AND ADDITIONAL INFORMATION.

	1-HR RATED FIRE BARRIER
	2-HR RATED FIRE WALL
	2-HR RATED FIRE BARRIER



**KEY PLAN - 2ND FLOOR**  
NTS



**A2 SECOND FLOOR PLAN - AREA C**  
1/8" = 1'-0"

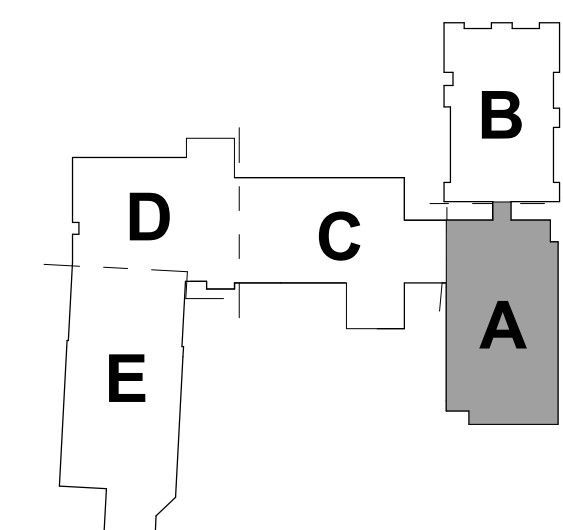




1. CEILING GRIDS TO BE CENTERED IN ROOM AS SHOWN, UNLESS DIMENSIONED OTHERWISE.
2. DOUBLE CEILING TRACK AT THE EDGE OF ANY LAY-IN AREAS IS NOT ACCEPTABLE. PROVIDE A 2x4 TIE OUT TO PUT THE LARGER OPENING UNDER THE STRIP OF THE LESS THAN 2' 11" IN EITHER DIRECTION WOULD HAVE TO BE USED. TYP.
3. MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND AV COMPONENTS ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE PLUMBING, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF MECHANICAL, FIRE PROTECTION, ELECTRICAL, AND PLUMBING WORK ABOVE CEILING, IN ORDER TO PROVIDE FINISHED CEILINGS AT HEIGHTS REQUIRED ON CEILING PLAN.
5. SEE INTERIOR FINISHES SCHEDULE AND INTERIOR FINISHES PLANS ON SHEETS FOR ADDITIONAL CEILING INFORMATION AND REQUIREMENTS.
6. SEE SECTIONS AND INTERIOR ELEVATIONS FOR BULKHEAD DIMENSION NOT SHOWN ON REFLECTED CEILING PLANS AND DETAILS.
7. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILING CONSTRUCTION AS INDICATED. WHERE NOT SHOWN, PROVIDE MAXIMUM SPACING BETWEEN JOINTS OF 30'-0". VERIFY FINAL JOINT LOCATIONS AND PROVIDE PROTECTED PROTECT JOINTS STARTING WORK WHETHER OR NOT INDICATED ON THE DRAWINGS.
8. ALL GYPSUM CONTROL JOINTS ARE TO RUN HORIZONTALLY AS SHOWN ON REFLECTED CEILING PLANS AND VERTICALLY UP THE FACE OF THE BULKHEAD.
9. CENTER PENETRATIONS IN ACOUSTICAL CEILING SYSTEMS WITH INDIVIDUAL CEILING PANELS, SUCH AS SPRINKLER HEADS, DIFFUSERS, LIGHT FIXTURES, ETC. UON
10. PAINT ALL EXPOSED GYPSUM CEILINGS AND BULKHEADS.
11. SPRINKLER HEAD LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR TO PROVIDE FINAL AUTOMATIC FIRE ALARM AND DETECTION AND DEVICE LOCATIONS WITH OTHER CEILING-MOUNTED EQUIPMENT AND DEVICES.

NOTE: KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS. SEE PLANS FOR KEYED ITEM LOCATIONS. SEE SHEET A00.05 FOR REFLECTED CEILING PLAN GENERAL NOTES, REFLECTED CEILING PLAN LEGEND AND FF&E LEGEND.

Number	Description
01	WHERE NO CEILING IS SCHEDULED, PAINT ALL EXPOSED AND SEMI EXPOSED SURFACES, INCLUDING STRUCTURE, DECK, PIPING, DUCT, CONDUIT, BOXES, ETC. MASK AND PROTECT FROM PAINT THOSE ITEMS THAT WILL NOT PROPERLY FUNCTION WITH FIELD-APPLIED COATINGS, INCLUDING SPRINKLER HEADS, CONTROLS, LEVERS, VALVES, SENSORS, ETC.
02	PREFAB ALUMINUM DOOR CANOPY
03	ALUMINUM SUNSHADE
04	HORIZONTAL LOUVER BLINDS



## NTS



DKA JOB NUMBER  
2401

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Drawn By: VHK  
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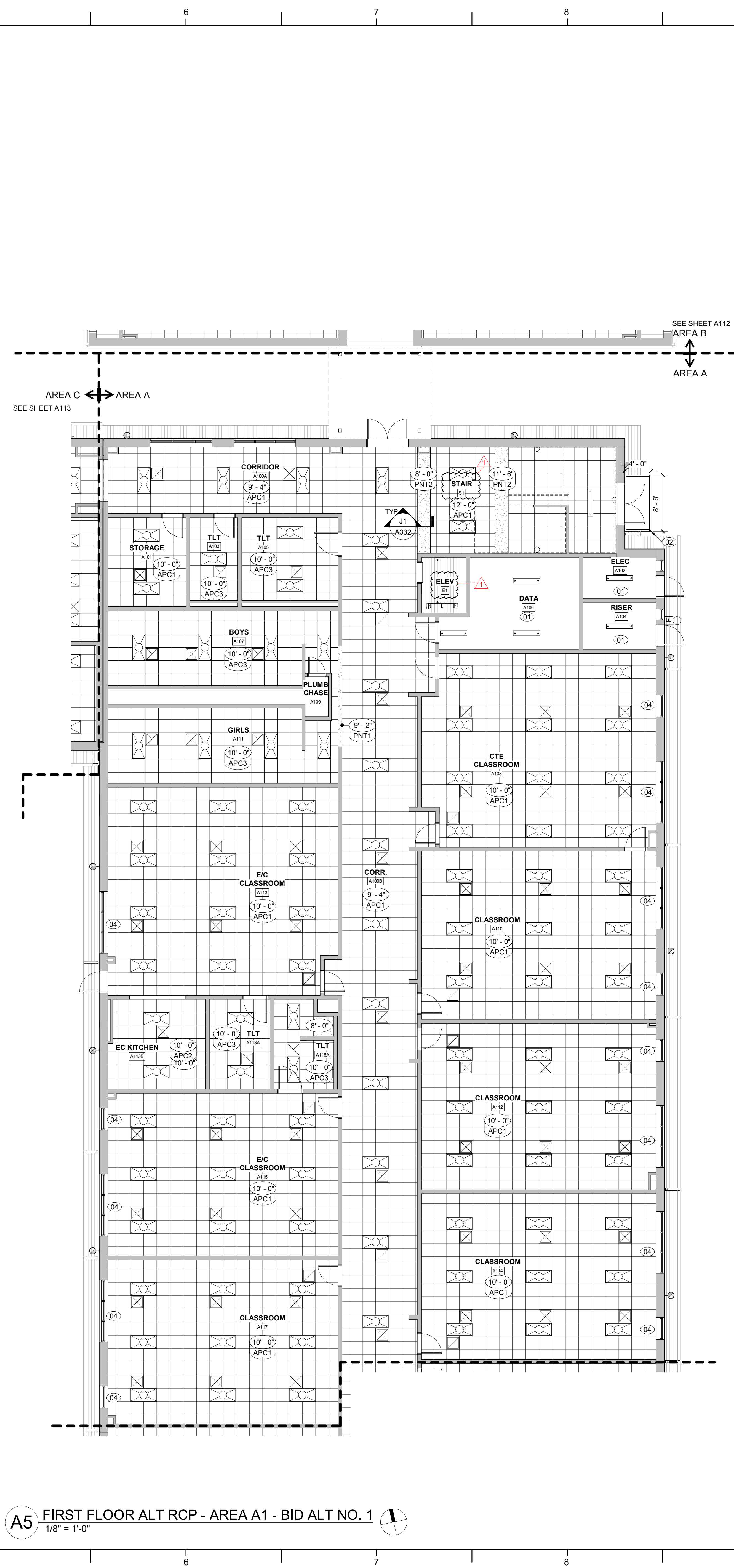
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BID DOCUMENTS  
01/10/2025

SHEET TITLE
FIRST FLOOR RCP - AREA A

A110





## REFLECTED CEILING PLAN

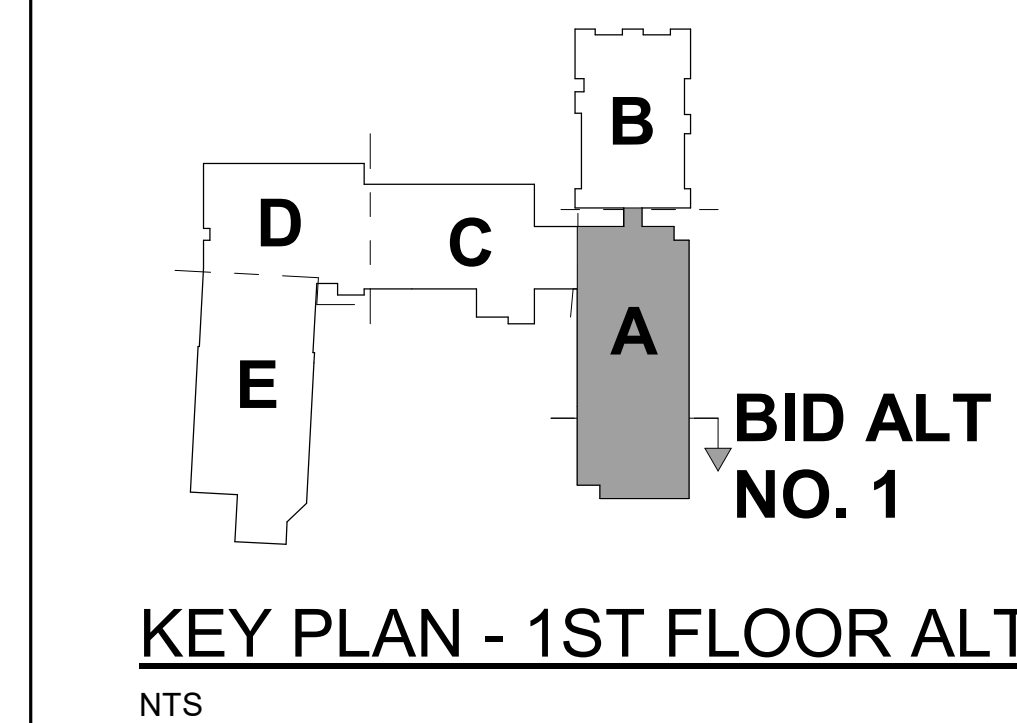
GENERAL NOTES:

1. CEILING GRIDS TO BE CENTERED IN ROOM AS SHOWN, UNLESS DIMENSIONED OTHERWISE.
2. DOUBLE CEILING TRACK AT THE EDGE OF ANY LAY-IN AREAS IS NOT ACCEPTABLE. PROVIDE A 2x4 TIE CUT TO FIT THE LARGEST OPENING WITH A STRIP OF THE LESS THAN 2" X 12" IN EITHER DIRECTION WOULD HAVE TO BE USED. TYP.
3. MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND AV COMPONENT ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE PLUMBING, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF MECHANICAL, FIRE PROTECTION, ELECTRICAL, AND PLUMBING WORK ABOVE CEILING, IN ORDER TO PROVIDE FINISHED CEILINGS AT HEIGHTS REQUIRED ON CEILING PLAN.
5. SEE INTERIOR FINISHES SCHEDULE AND INTERIOR FINISHES PLANS ON CONTRACT FOR ADDITIONAL FINISH INFORMATION AND REQUIREMENTS.
6. SEE SECTIONS AND INTERIOR ELEVATIONS FOR BULKHEAD DIMENSIONS; NOT NOTED ON REFLECTED CEILING PLANS AND DETAILS.
7. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILING CONSTRUCTION AS INDICATED. WHERE NOT SHOWN, PROVIDE MAXIMUM SPACING BETWEEN JOINTS OF 36". VERIFY FINAL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK WHETHER OR NOT INDICATED ON THE DRAWINGS.
8. ALL GWB CONTROL JOINTS ARE TO RUN HORIZONTALLY AS SHOWN ON REFLECTED CEILING PLANS AND VERTICALLY UP THE FACE OF THE BULKHEAD.
9. CENTER PENETRATIONS IN ACOUSTICAL CEILING SYSTEMS WITHIN INDIVIDUAL CEILING PANELS, SUCH AS SPRINKLER HEADS, DIFFUSERS, RECESSED LIGHT FIXTURES, ETC. JOINTS.
10. PAINT ALL EXPOSED GWB CEILINGS AND BULKHEADS.
11. SPRINKLER HEAD LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR TO COORDINATE FINAL AUTOMATIC SPRINKLER DESIGN AND DEVICE LOCATIONS WITH OTHER CEILING-MOUNTED EQUIPMENT AND DEVICES.

### REFLECTED CEILING PLAN KEY NOTES

NOTE: KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS. SEE PLANS FOR KEYED ITEM LOCATIONS. SEE SHEET A00.05 FOR REFLECTED CEILING PLAN GENERAL NOTES, REFLECTED CEILING PLAN LEGEND AND FF&E LEGEND.

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02	PREFAB ALUMINUM DOOR CANOPY
03	ALUMINUM SUNSHADE
04	HORIZONTAL LOUVER BLINDS



## SEALS



## DKA JOB NUMBER

2401

## REVISIONS

1	ADDENDUM #1	2/3/202
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PM: BETH KIMMEL  
Drawn By:  
Plot Date: 1/31/2025 3:35:27

## DATE ISSUED

BID DOCUMENTS  
01/10/2025

SHEET TITLE

FIRST FLOOR RCP -  
AREA A - BID ALT NO  
1

A111

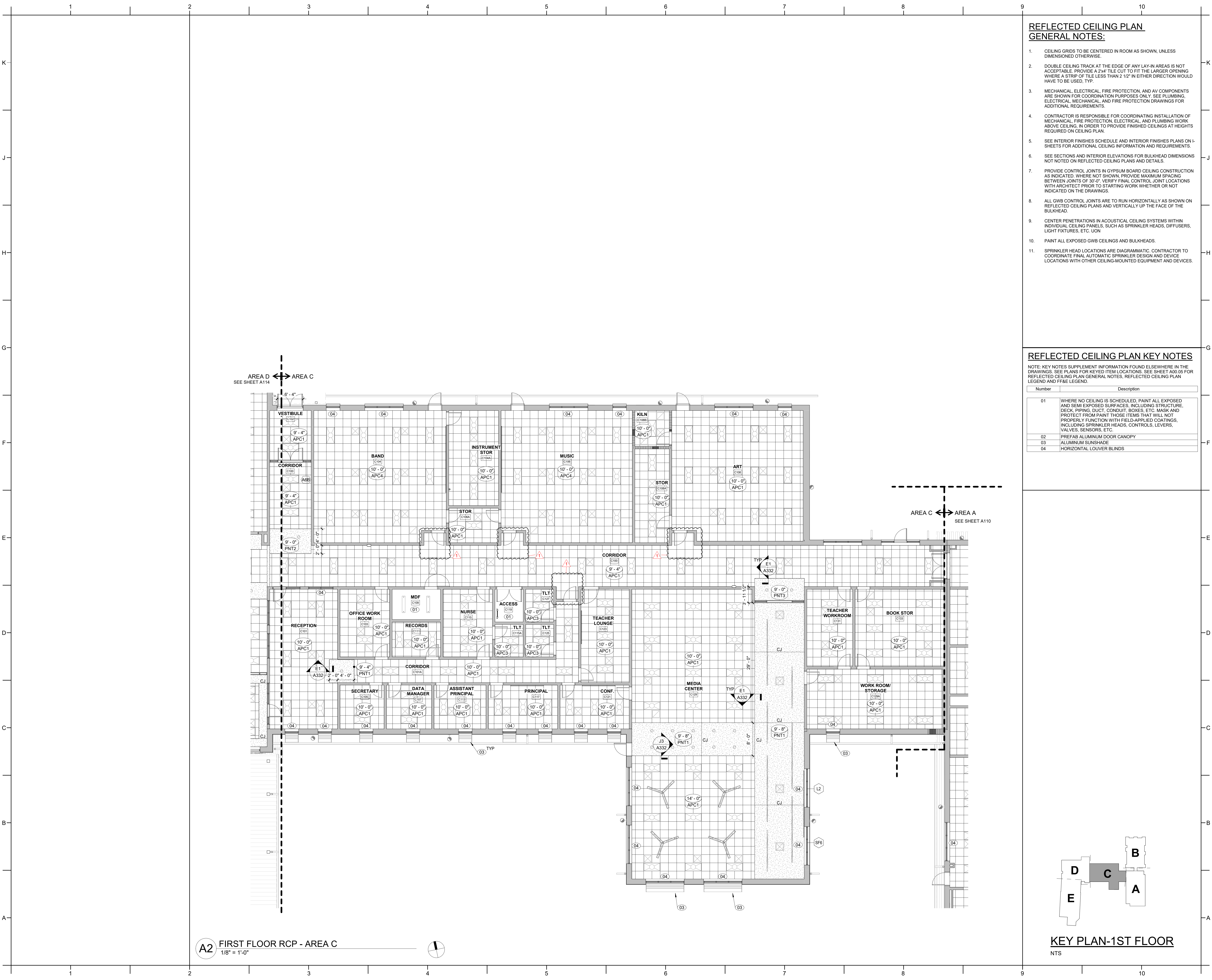




## NTS







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3. MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND AV COMPONENTS ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE PLUMBING, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS.
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7. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILING CONSTRUCTION AS INDICATED. WHERE NOT SHOWN, PROVIDE MAXIMUM SPACING BETWEEN JOINTS OF 30'-0". VERIFY FINAL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK WHETHER OR NOT INDICATED ON THE DRAWINGS.
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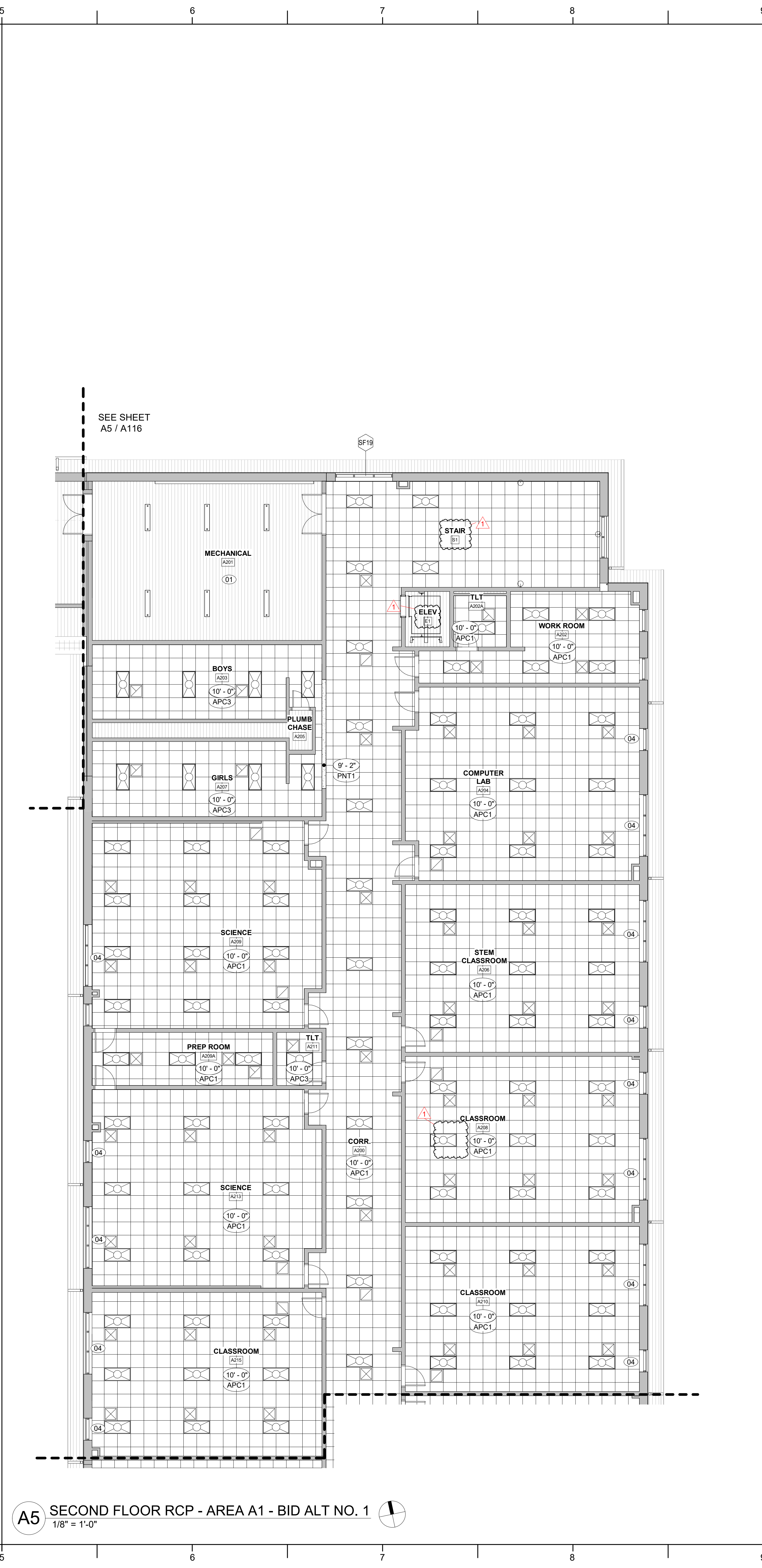
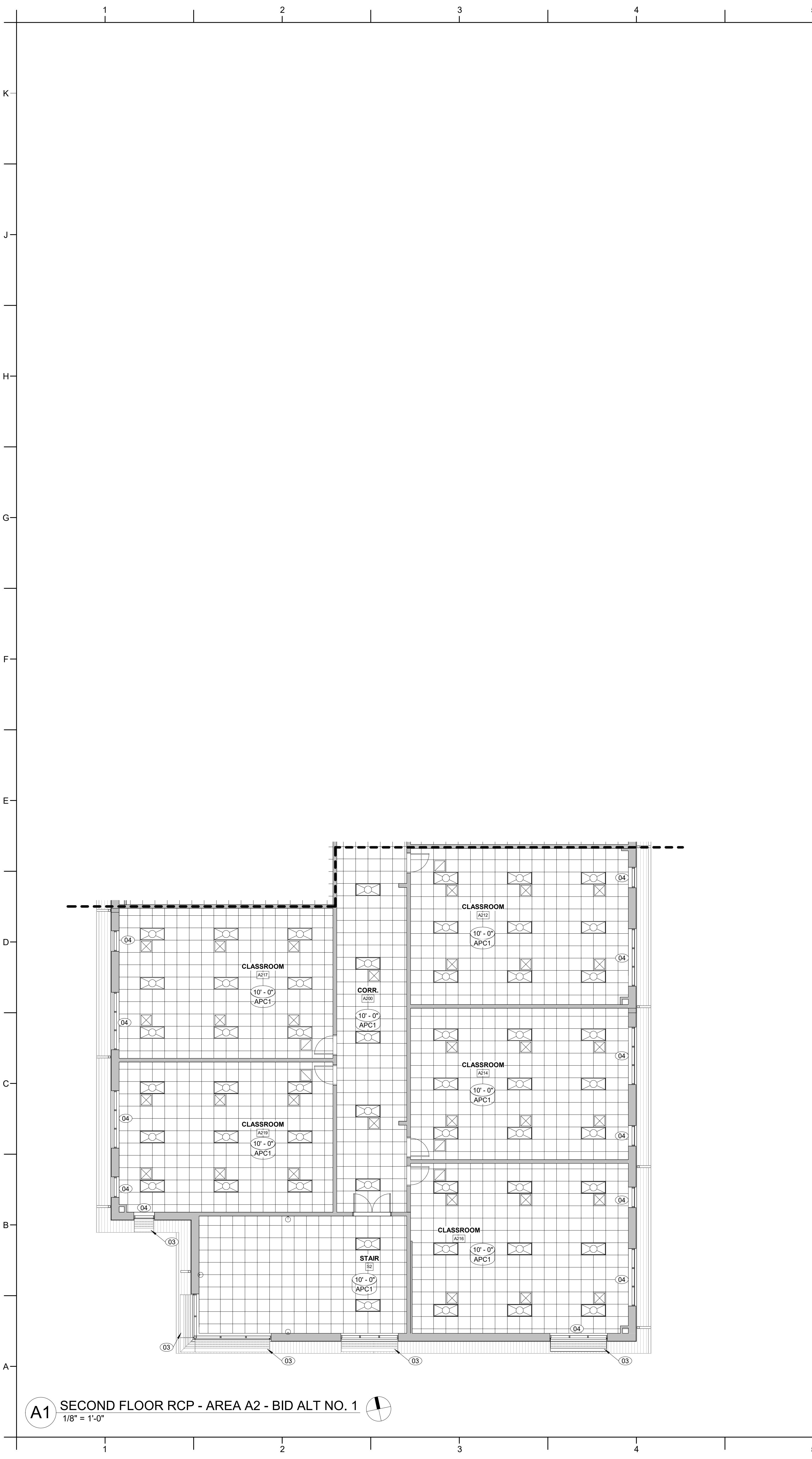
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03	ALUMINUM SUNSHADE
04	HORIZONTAL LOUVER BLINDS











## REFLECTED CEILING PLAN

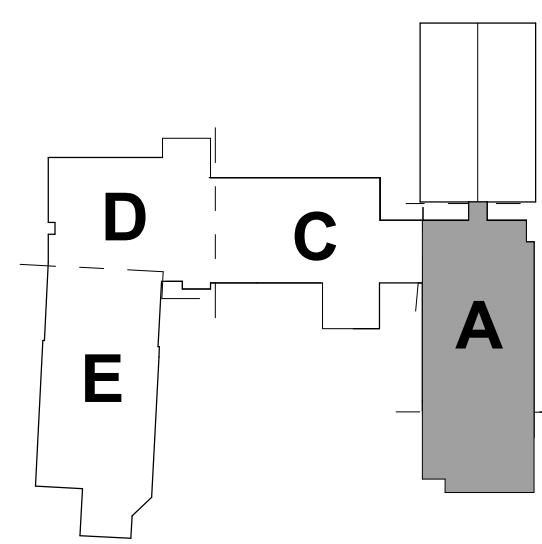
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02	PREFAB ALUMINUM DOOR CANOPY
03	ALUMINUM SUNSHADE
04	HORIZONTAL LOUVER BLINDS



## KEY PLAN - 2ND FLOOR

NTS



503 OBERLIN ROAD | SUITE 300  
RALEIGH, NC 27605  
919.853.3737  
www.davis-kane.com

### PROJECT INFORMATION

## ROSEWOOD MIDDLE SCHOOL ADDITION AND RENOVATION WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

### SEALS



### DKA JOB NUMBER

2401

### REVISIONS

1	ADDENDUM #1	2/3/2025

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PM: BETH KING  
Drawn By: VK  
Plot Date: 1/31/2025 3:35:45 PM

### DATE ISSUED

BID DOCUMENTS  
01/10/2025

SHEET TITLE  
SECOND FLOOR RCP  
- AREA A - BID ALT  
NO. 1

A117







EXTERIOR ELEVATION GENERAL NOTES:

- FOR SYMBOLS LEGEND, SEE A000.
- PROVIDE CONTROL JOINTS (CJ) IN MASONRY CONSTRUCTION AS INDICATED.
- PROVIDE CONTROL JOINTS (CJ) AT ALL INSIDE CORNERS.
- VERIFY FINAL CONTROL JOINT (CJ) LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.
- AIR BARRIER AND ASSOCIATED FLASHING SHALL BE CONTINUOUS AND UNBROKEN AT ALL SURFACES OF WALL MEMBRANE TO BE FLASHED TO ALL OTHER COMPONENTS AND ASSEMBLIES TO PROVIDE AIR-TIGHT CONDITION.

EXTERIOR ELEVATIONS KEY NOTES

NOTE: SEE ELEVATIONS FOR KEVED ITEM LOCATIONS. KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS.

- |    |  |
|----|--|
| 01 | ROWLOCK COURSE.  |
| 02 | SINGLE SOLDIER COURSE.   |
| 03 | DOUBLE SOLDIER COURSE.   |
| 05 | STANDING SEAM METAL ROOF.  |
| 06 | DOWNSPOUT.   |
| 07 | GUTTER.  |
| 09 | ALUMINUM DIMENSIONAL LETTERING SIGNAGE.  |
| 10 | EXISTING STANDING SEAM METAL ROOF. RE-COAT WITH NEW FINISH FOR BASE BID.   |
| 11 | LOUVERED METAL SCREEN WALL.  |
| 12 | METAL FASCIA - COLOR TO MATCH STANDING SEAM ROOF.  |
| 13 | PREFABRICATED METAL CANOPY WITH INTERNAL DRAINAGE COLUMN SYSTEM.   |
| 14 | EXTERIOR EXPANSION JOINT COMPRESSION SEAL.   |
| 16 | LOUVER SCREEN WALL ON BRICK ON CMU BASE.   |
| 17 | EXISTING MECHANICAL UNIT AND EXTERIOR DUCT WORK TO REMAIN.   |
| 18 | NEW ALUMINUM STOREFRONT - FINAL DIMENSIONS TO BE FIELD VERIFIED WITH EXISTING OPENING.                                       |
| 19 | EXISTING EIFS TO BE CLEANED.   |
| 20 | EXISTING BRICK TO BE CLEANED.  |
| 21 | NEW PREFABRICATED ALUMINUM CANOPY.   |
| 22 | NEW METAL PANEL INFILL. SEE DETAIL F7/A320.  |
| 23 | WALK-IN FREEZER CONDENSING UNIT.   |
| 24 | BRICK AND CMU INFILL. TOOTHED IN TO MATCH EXISTING.  |
| 25 | DOCK BUMPERS.  |
| 26 | EXTERIOR LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.  |
| 27 | GRAVITY ROOF VENTILATOR. REF TO MECHANICAL.  |
| 28 | EXISTING METAL WALL PANELS. RE-COAT WITH NEW FINISH AROUND FULL PERIMETER OF AREA B FOR BASE BID.                            |
| 29 | DEMOLISH METAL WALL PANEL AROUND FULL PERIMETER OF AREA B DOWN TO SHEATHING. NEW METAL WALL PANEL SYSTEM FOR BID. ALT NO. 3. |
| 30 | DEMOLISH ROOF DOWN TO ROOF DECK. NEW STANDING SEAM METAL ROOF SYSTEM FOR BID. ALT NO. 3.                                     |
| 31 | EXISTING GUTTER. NEW COLOR RECOATING IN BASE BID.  |
| 32 | DEMOLISH EXISTING GUTTER. REPLACE WITH NEW GUTTER FOR BID. ALT NO. 3.  |
| 33 | EXISTING DOWNSPOUT. RE-COAT WITH NEW FINISH FOR BASE BID.  |
| 34 | DEMOLISH DOWNSPOUT. NEW DOWNSPOUT FOR BID. ALT NO. 3.  |
| 35 | VINYL CHARACTERS ON GLASS.   |
| 36 | EXISTING CANOPY TO REMAIN. NEW PAINT ON METAL ROOF PANEL, WOOD, AND STEEL COLUMNS.   |

J2 WEST ELEVATION - AREA D  
3/32" = 1'-0"

J4 EAST ELEVATION - AREA D  
3/32" = 1'-0"

J7 WEST ELEVATION - AREA C  
3/32" = 1'-0"

G7 EAST ELEVATION - AREA C  
3/32" = 1'-0"

G1 EAST ELEVATION - AREA E  
3/32" = 1'-0"

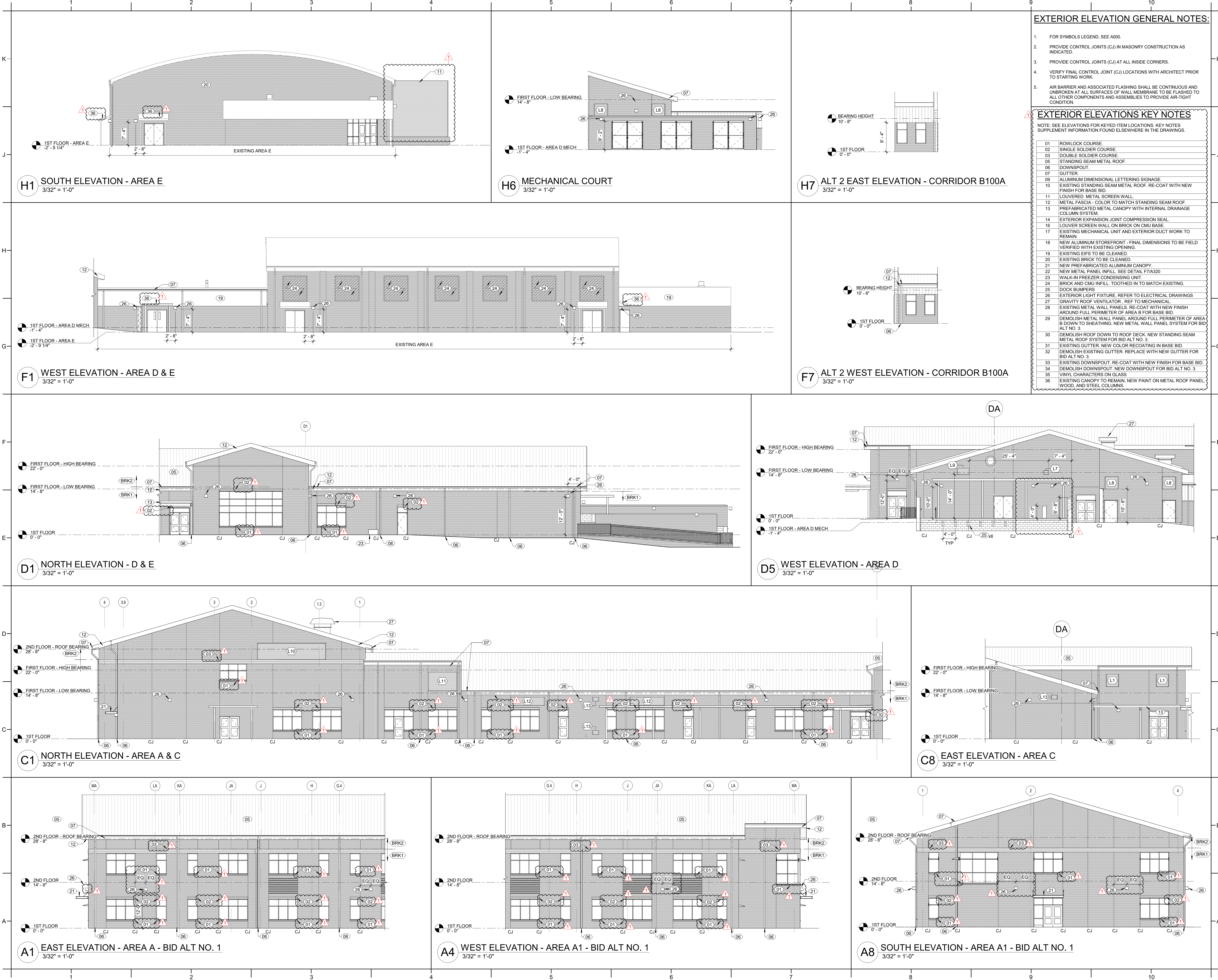
E1 EAST ELEVATION - AREA A & B  
3/32" = 1'-0"

C1 WEST ELEVATION - AREA A & B  
3/32" = 1'-0"

A1 SOUTH ELEVATION - AREA C & D  
3/32" = 1'-0"

A7 SOUTH ELEVATION - AREA A  
3/32" = 1'-0"







**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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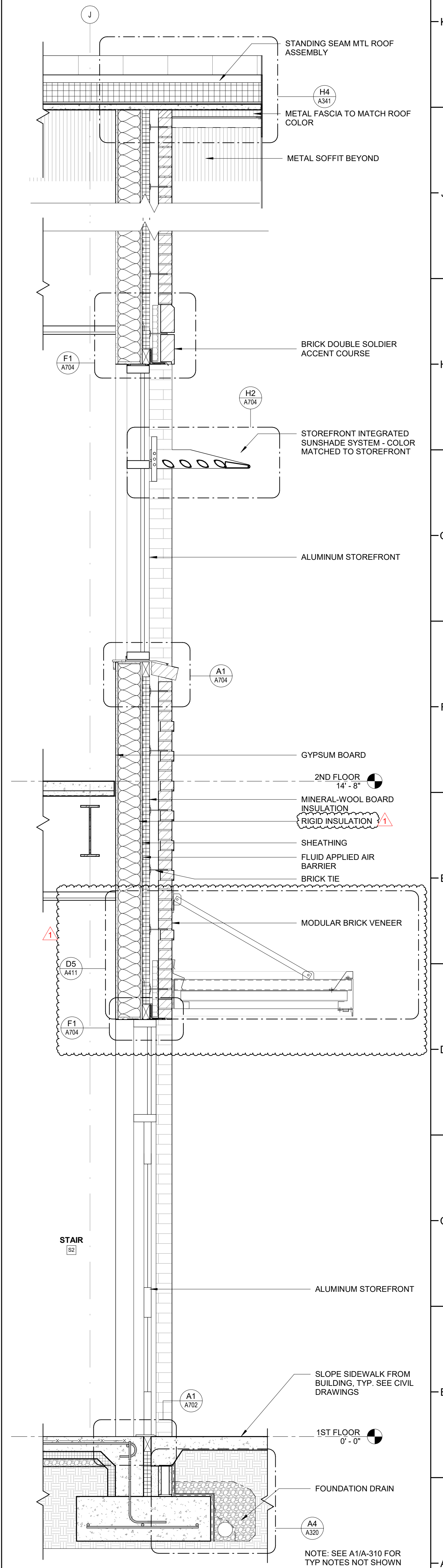
PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: SCOTT KRABATH  
Plot Date: 10/10/2025 3:37:01 PM

DATE ISSUED

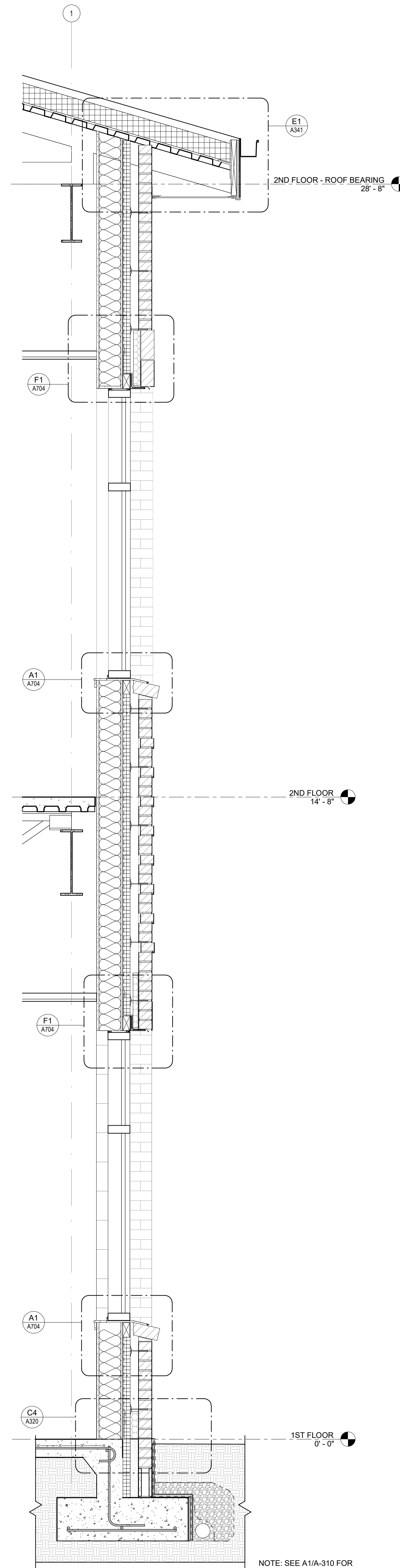
BID DOCUMENTS  
01/10/2025

SHEET TITLE  
WALL SECTIONS

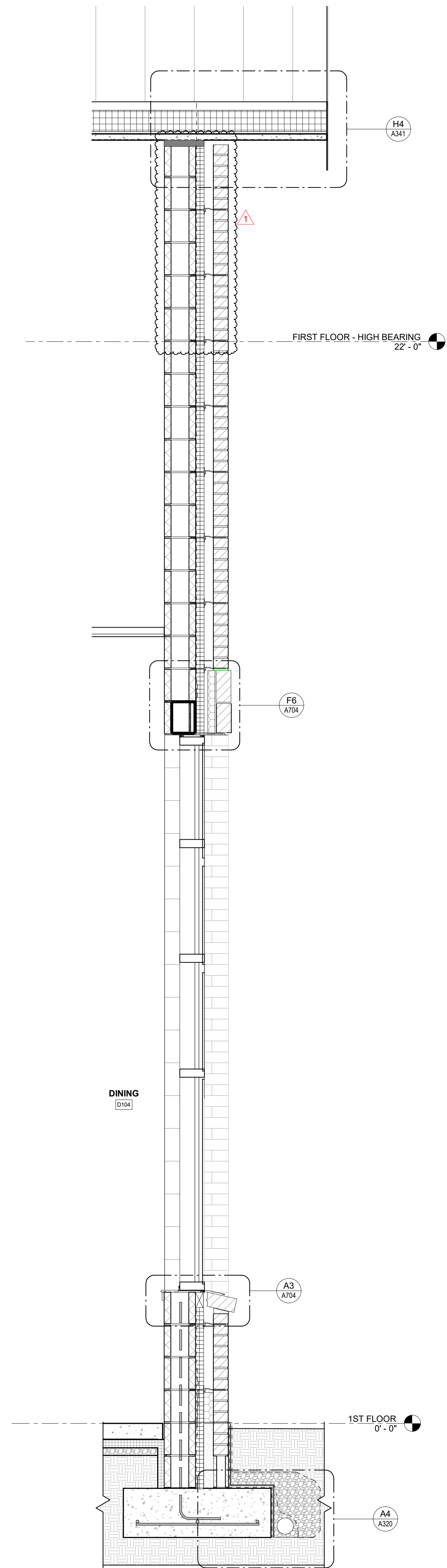
**A310**



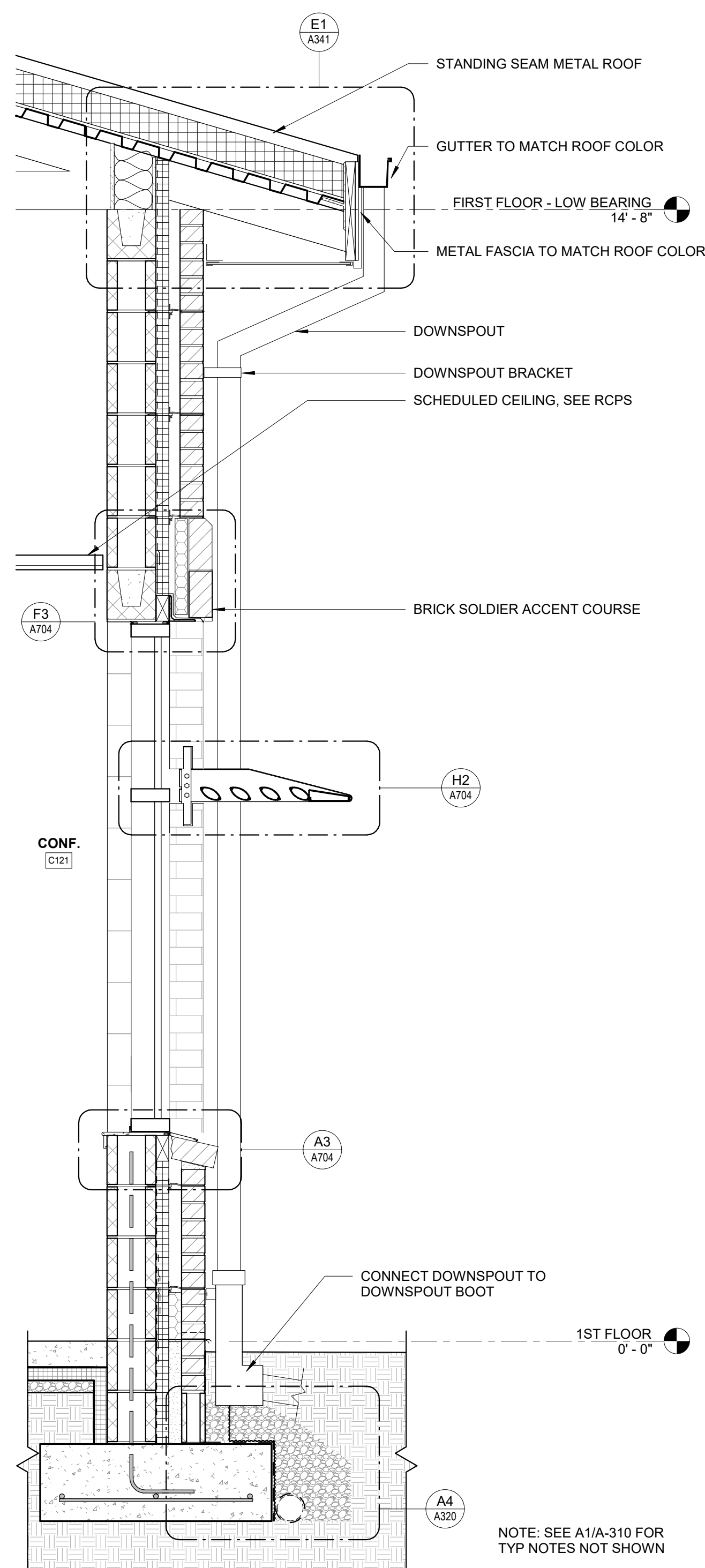
**A8 AREA A - STAIR (S2) SOUTH WALL SECTION**  
3/4" = 1'-0"



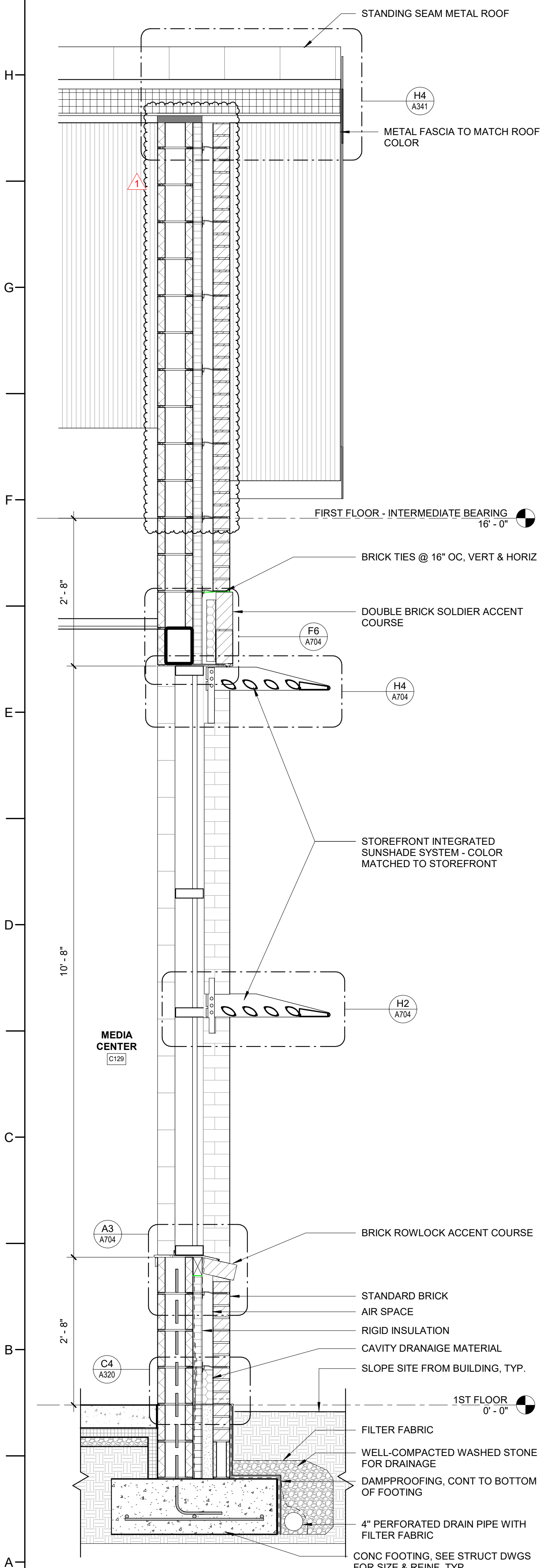
**A6 AREA A - CLASSROOM WALL SECTION**  
3/4" = 1'-0"



**A4 AREA D - CAFETERIA**  
3/4" = 1'-0"

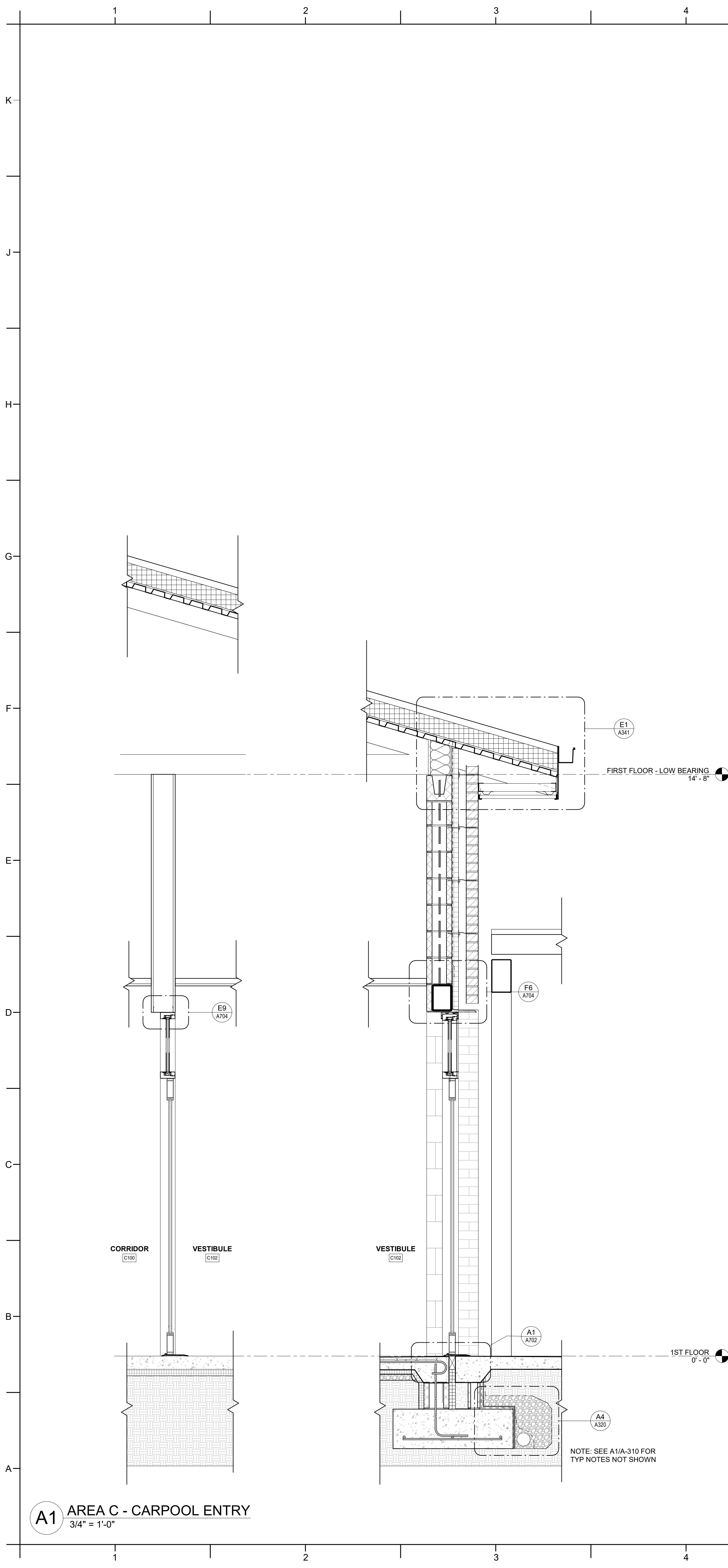


**A2 AREA C - ADMIN AREA WINDOW**  
3/4" = 1'-0"

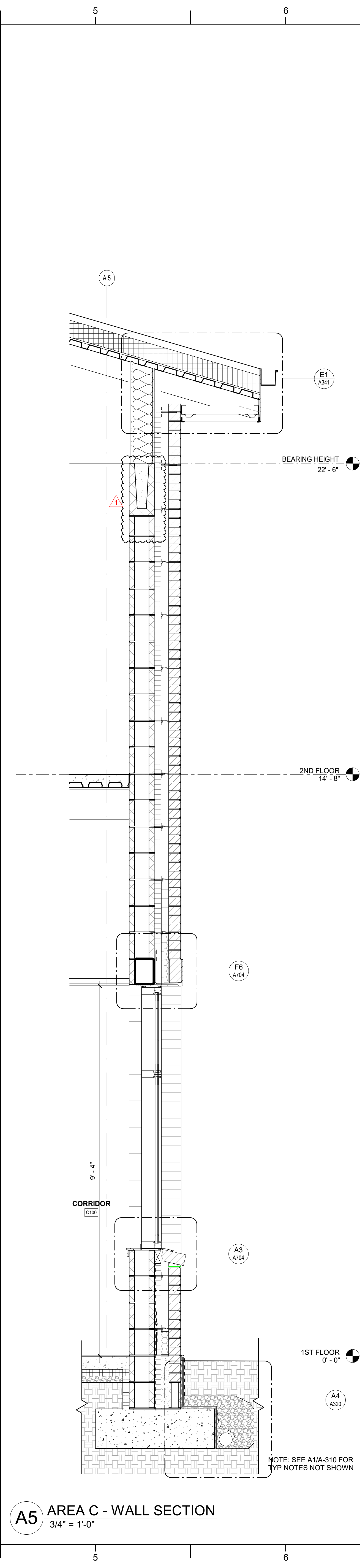


**A1 AREA C - MEDIA**  
3/4" = 1'-0"

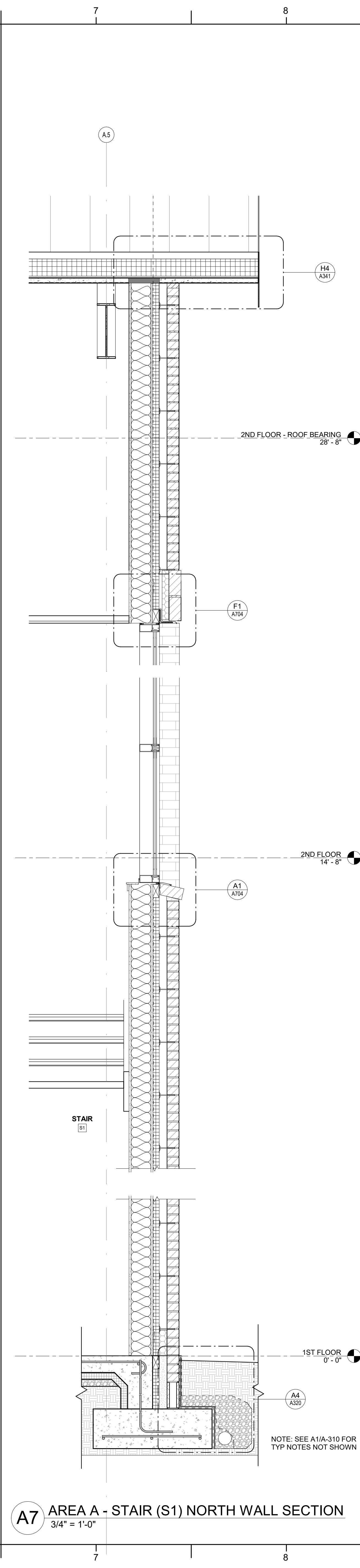




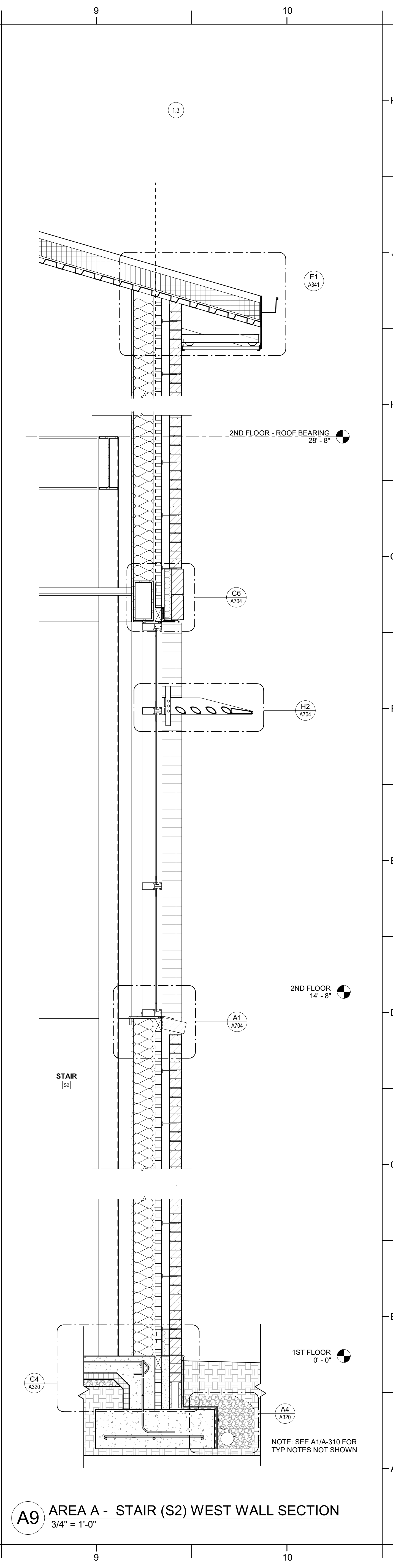
**A1** AREA C - CARPOOL ENTRY  
3/4" = 1'-0"



**A5** AREA C - WALL SECTION  
3/4" = 1'-0"



**A7** AREA A - STAIR (S1) NORTH WALL SECTION  
3/4" = 1'-0"



**A9** AREA A - STAIR (S2) WEST WALL SECTION  
3/4" = 1'-0"



**ROSEWOOD MIDDLE SCHOOL**  
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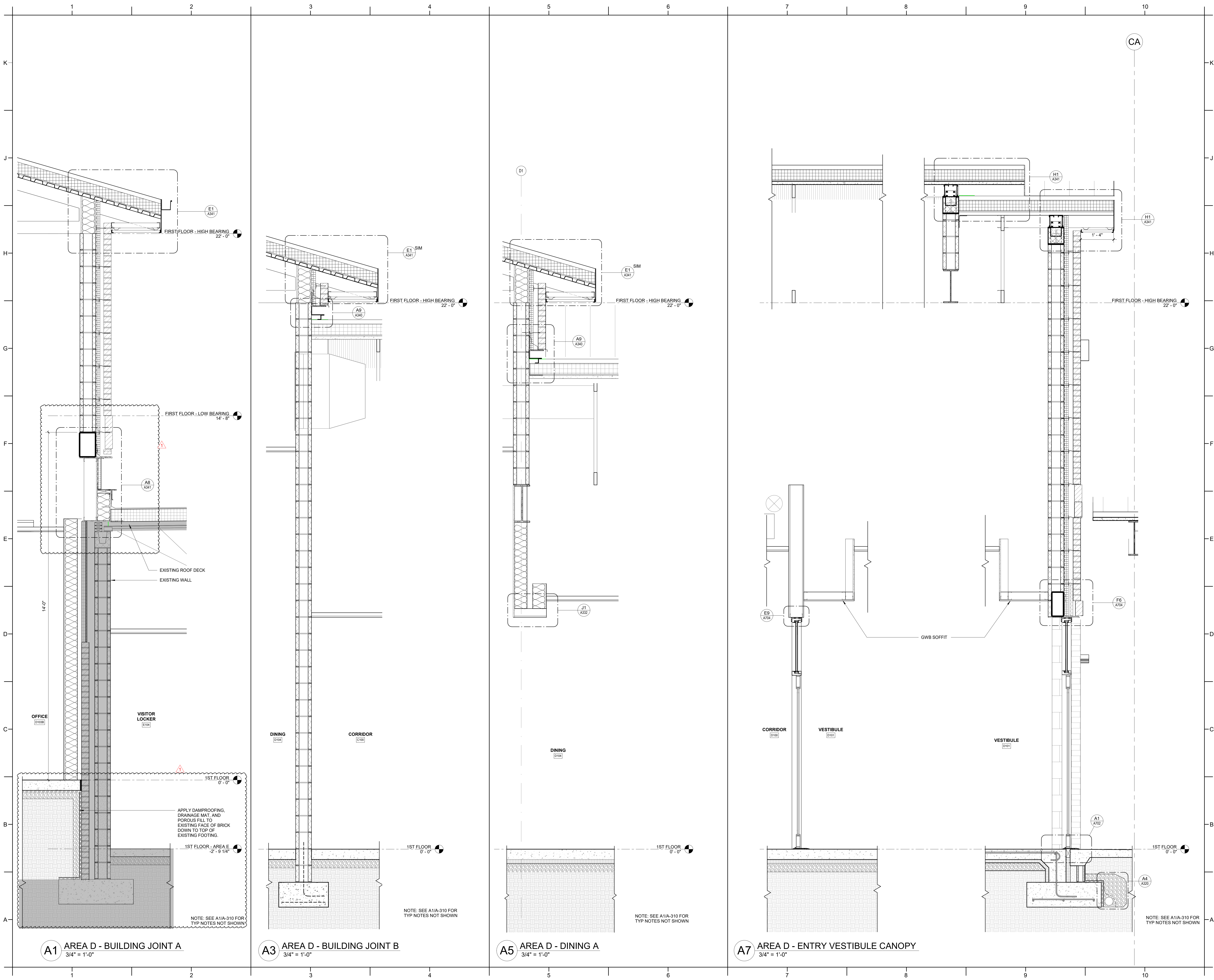
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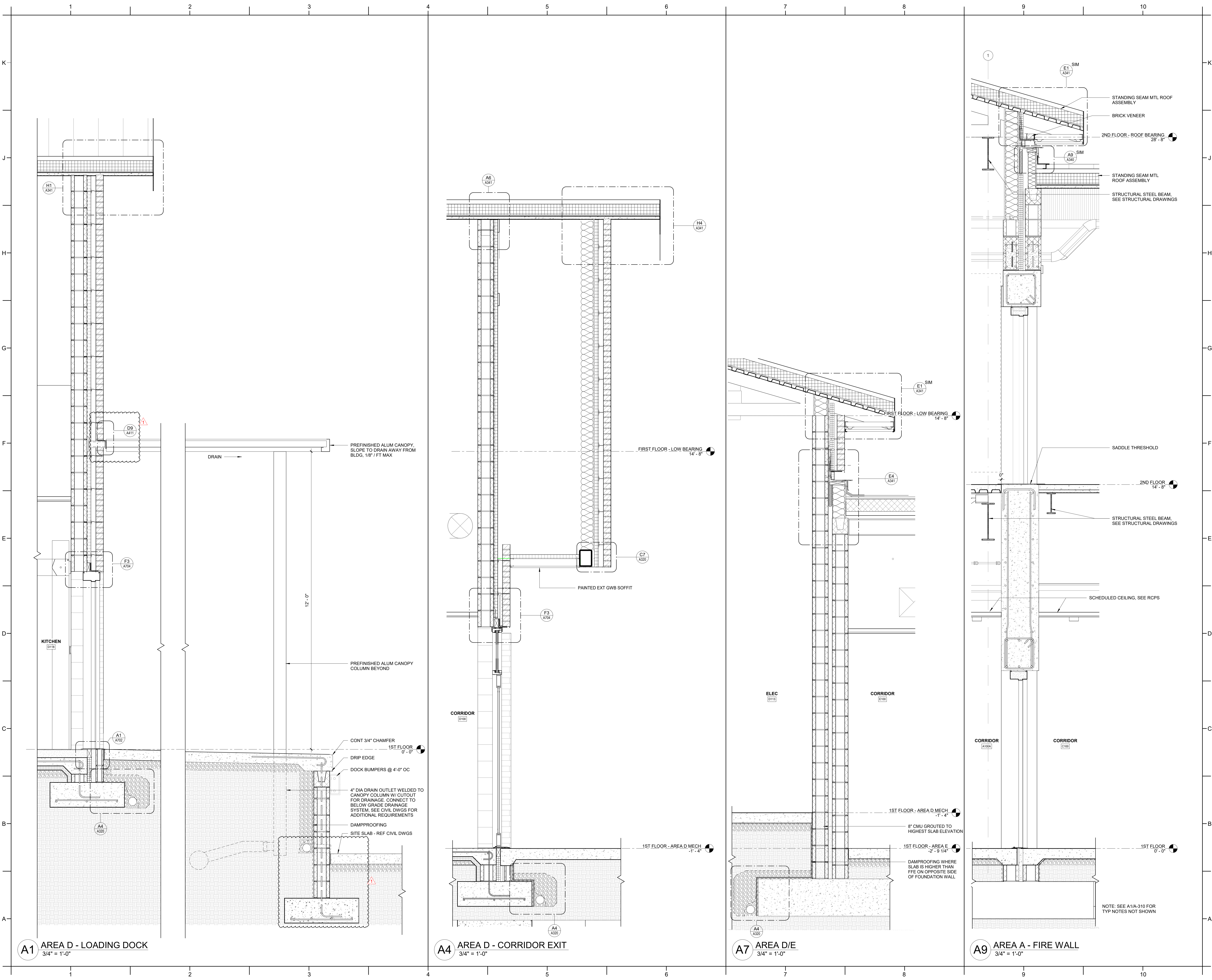
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01/10/2025

SHEET TITLE  
WALL SECTIONS

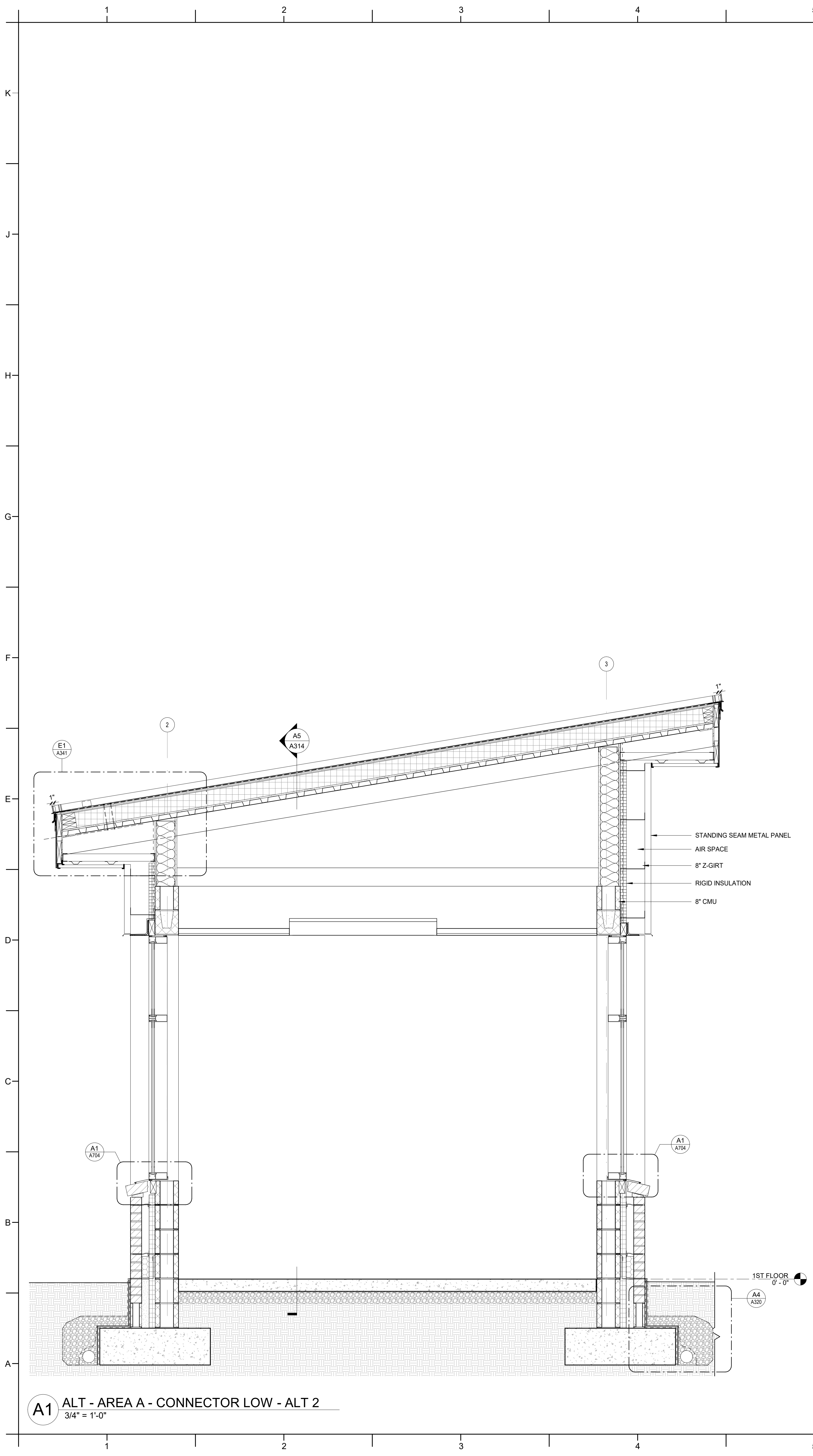
**A312**



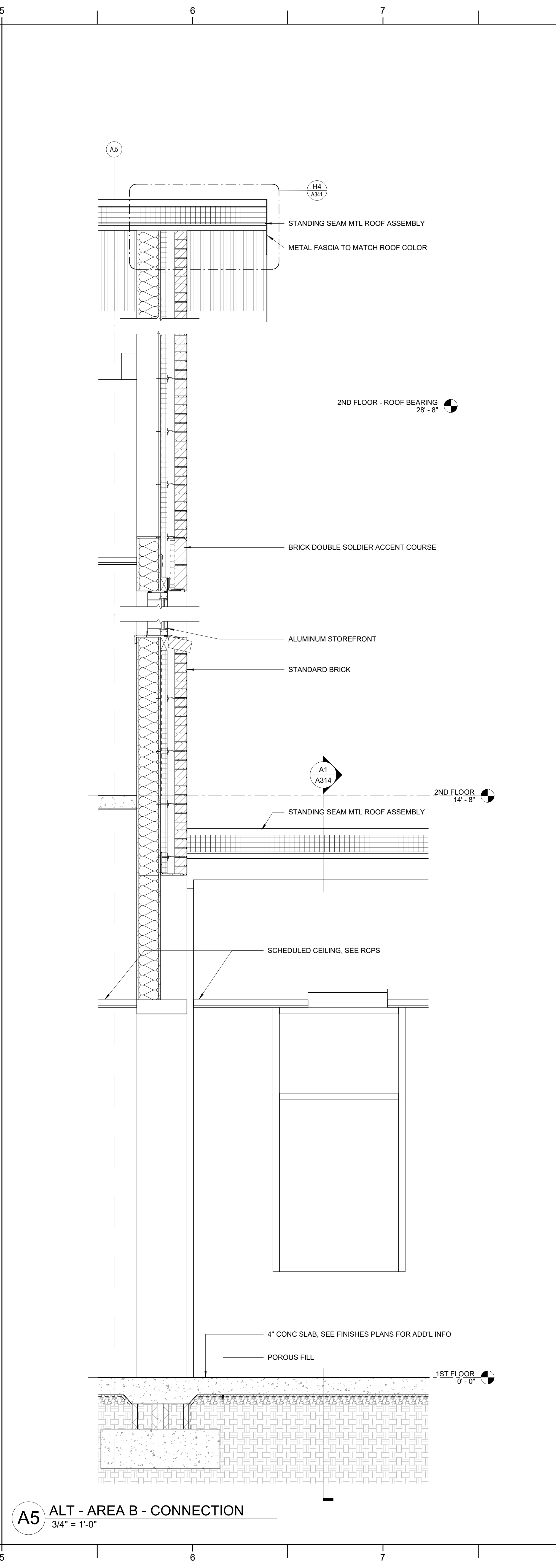




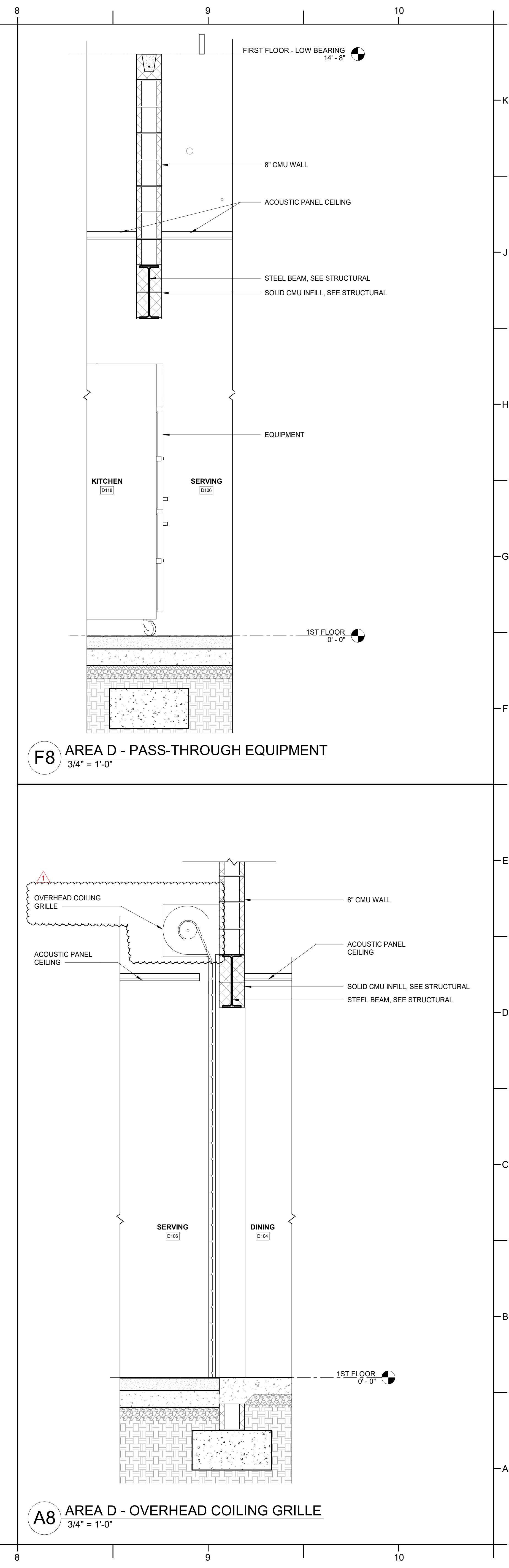




**A1** ALT - AREA A - CONNECTOR LOW - ALT 2  
3/4" = 1'-0"



**A5** ALT - AREA B - CONNECTION  
3/4" = 1'-0"

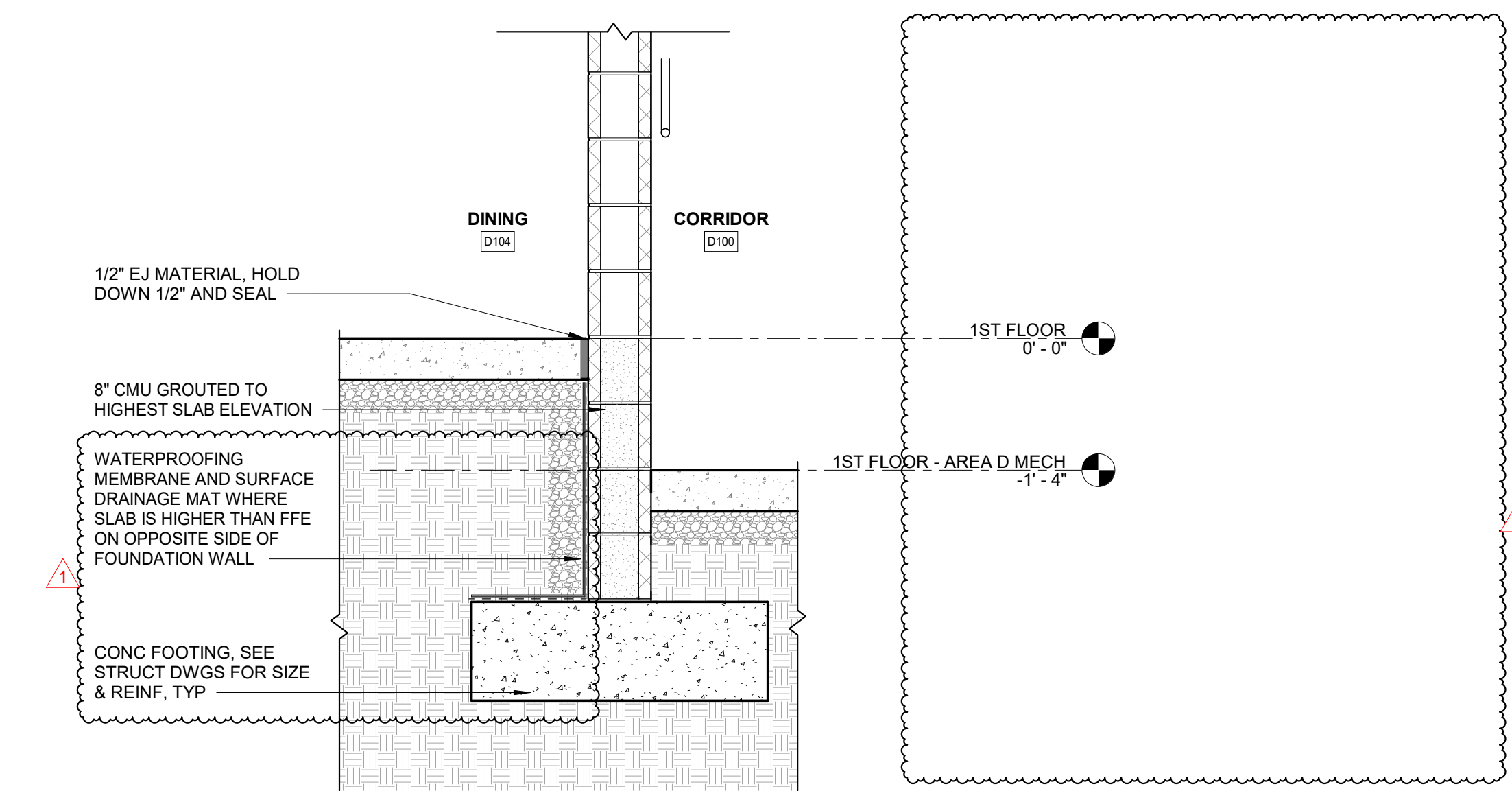


**F8** AREA D - PASS-THROUGH EQUIPMENT  
3/4" = 1'-0"

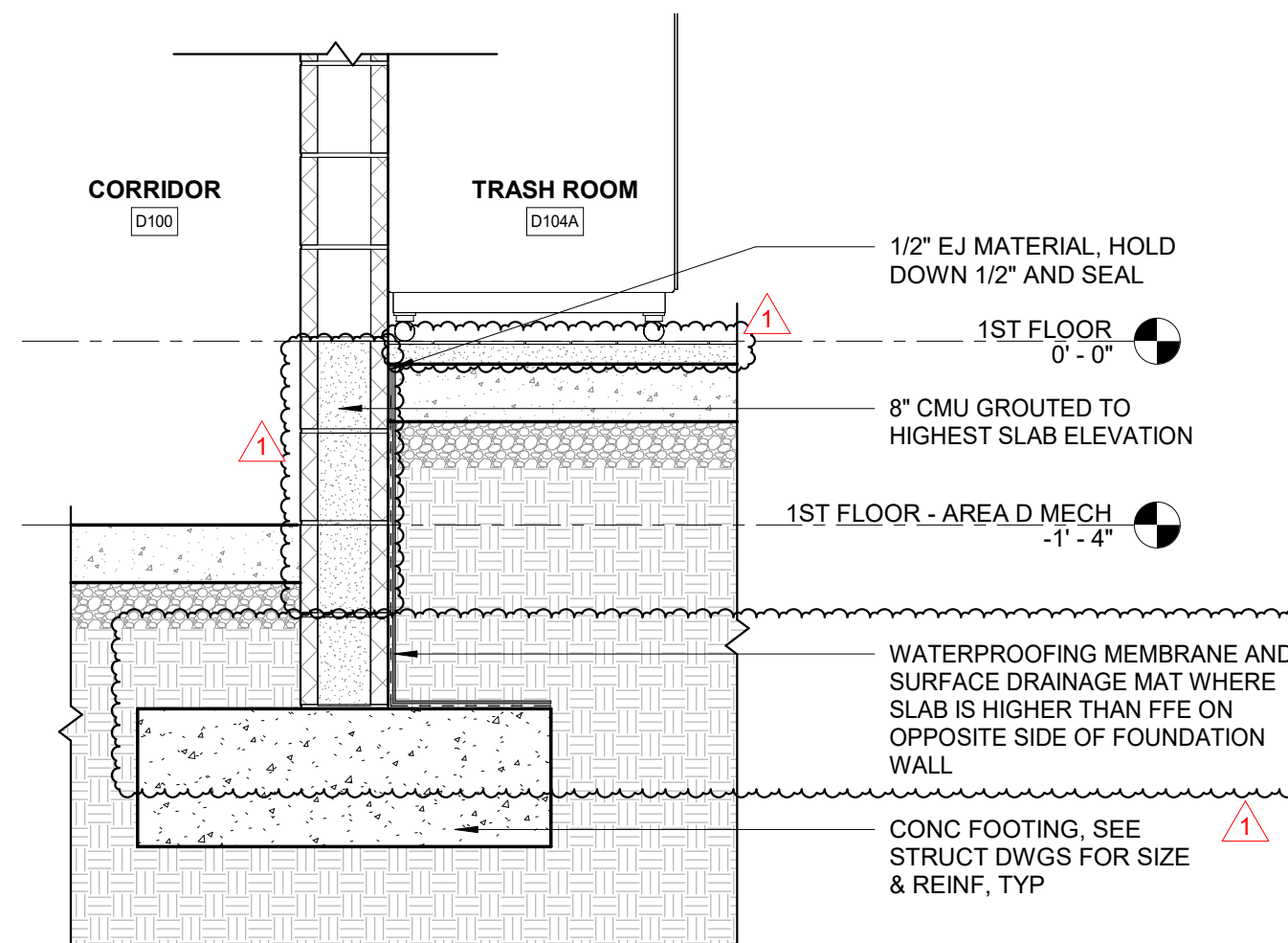
**A8** AREA D - OVERHEAD COILING GRILLE  
3/4" = 1'-0"

1	ADDENDUM #1	2/3/2025

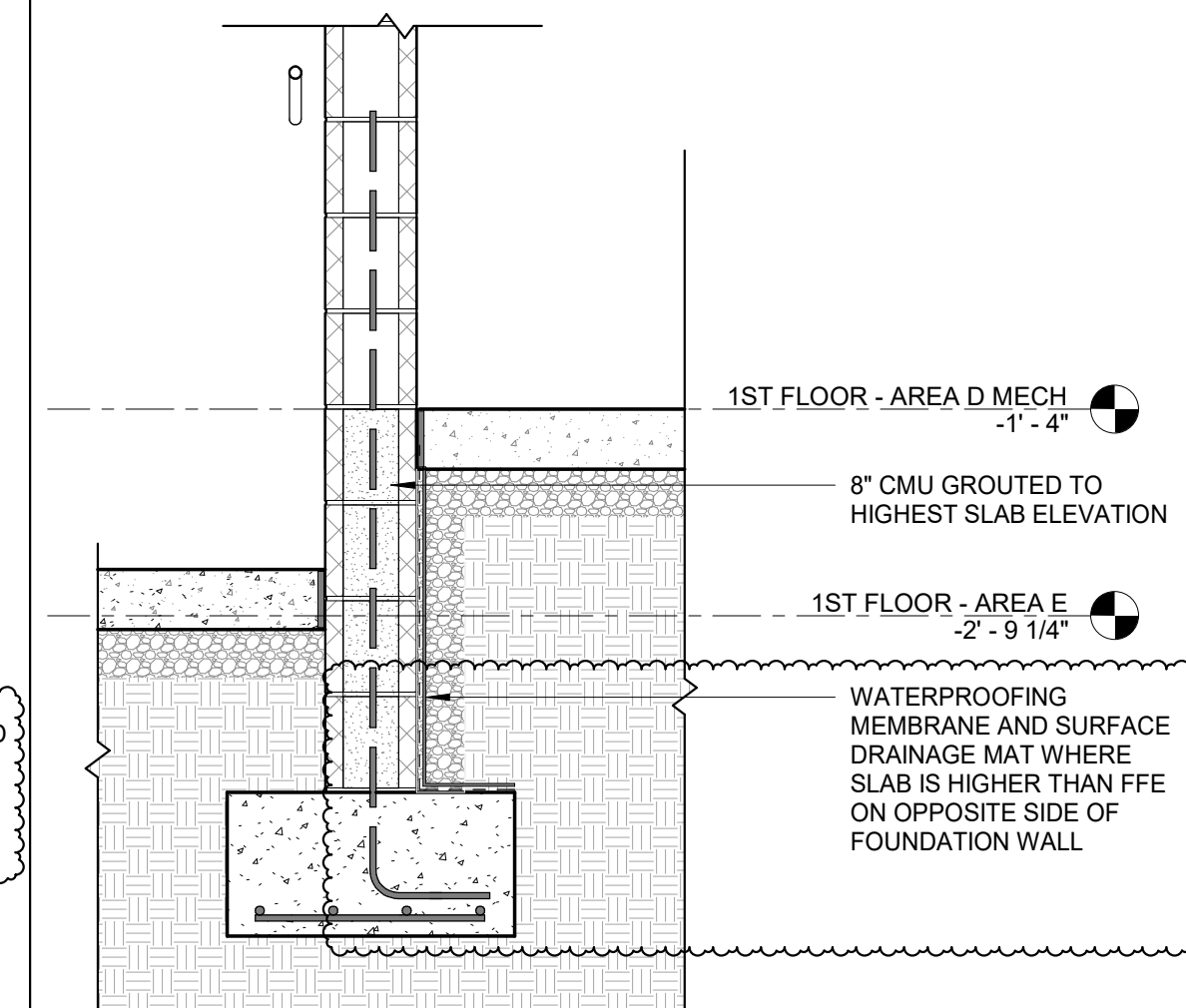




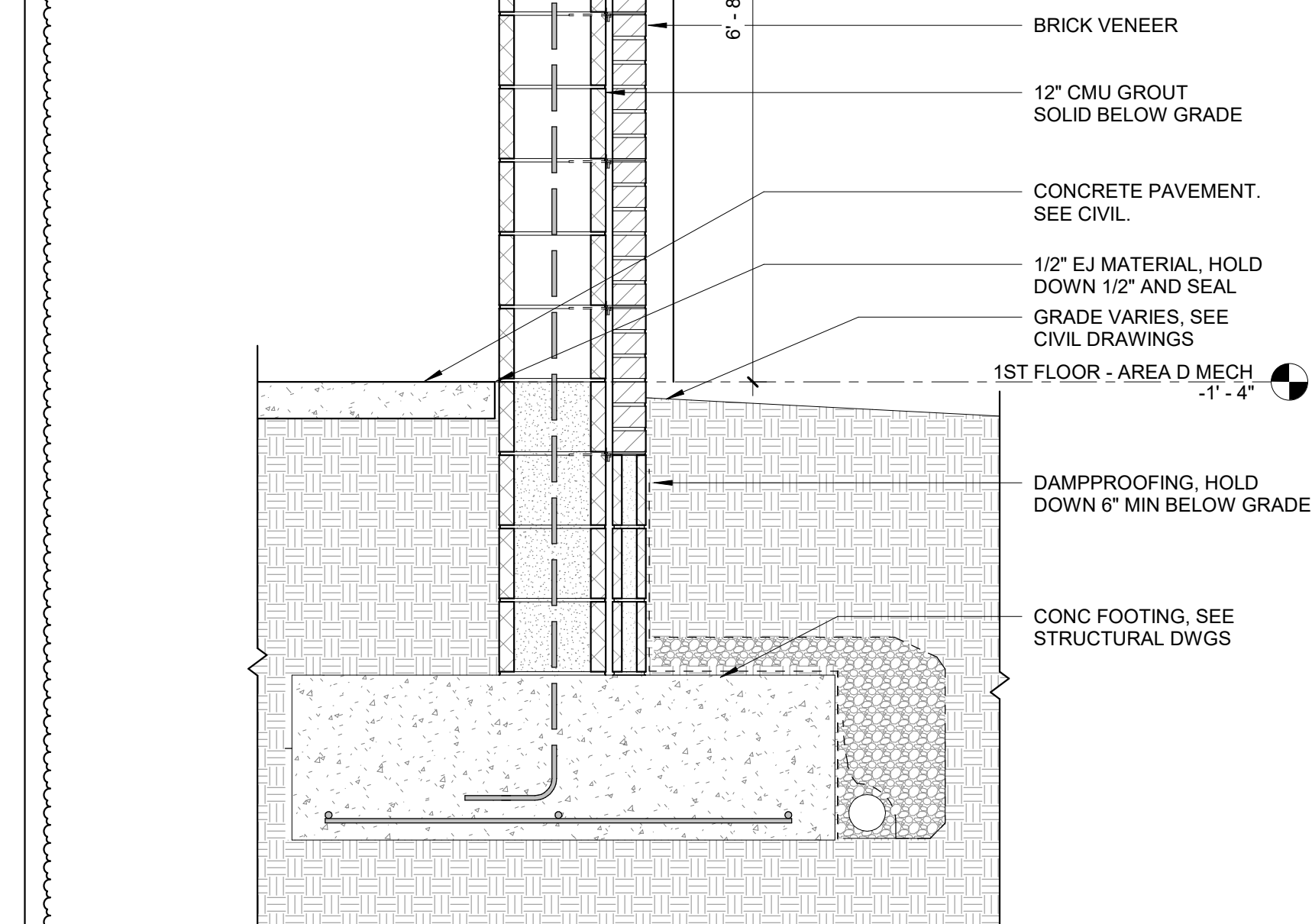
**G1** AREA D - CORRIDOR RAMP  
3/4" = 1'-0"



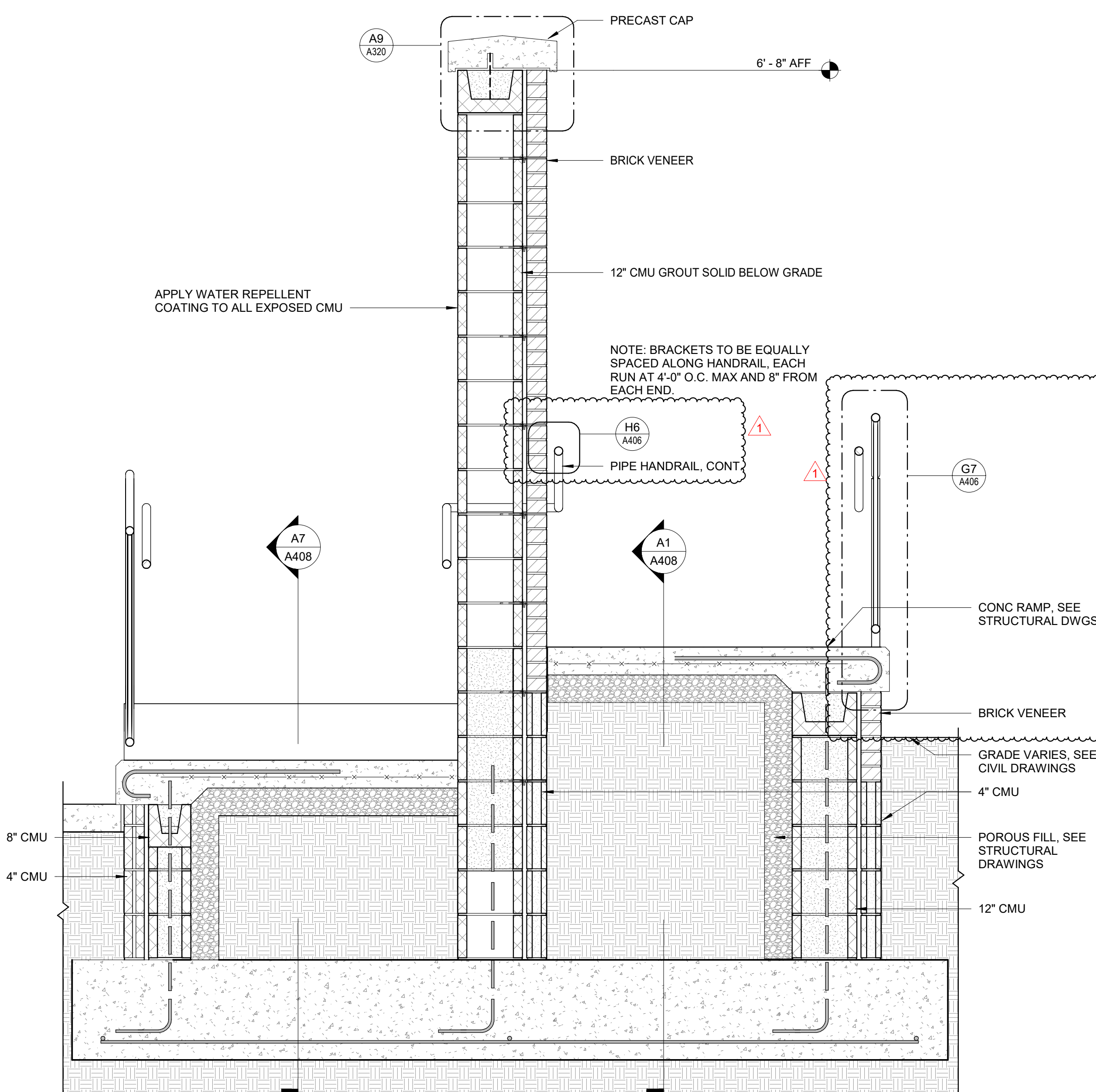
**G4** AREA D - CORRIDOR  
3/4" = 1'-0"



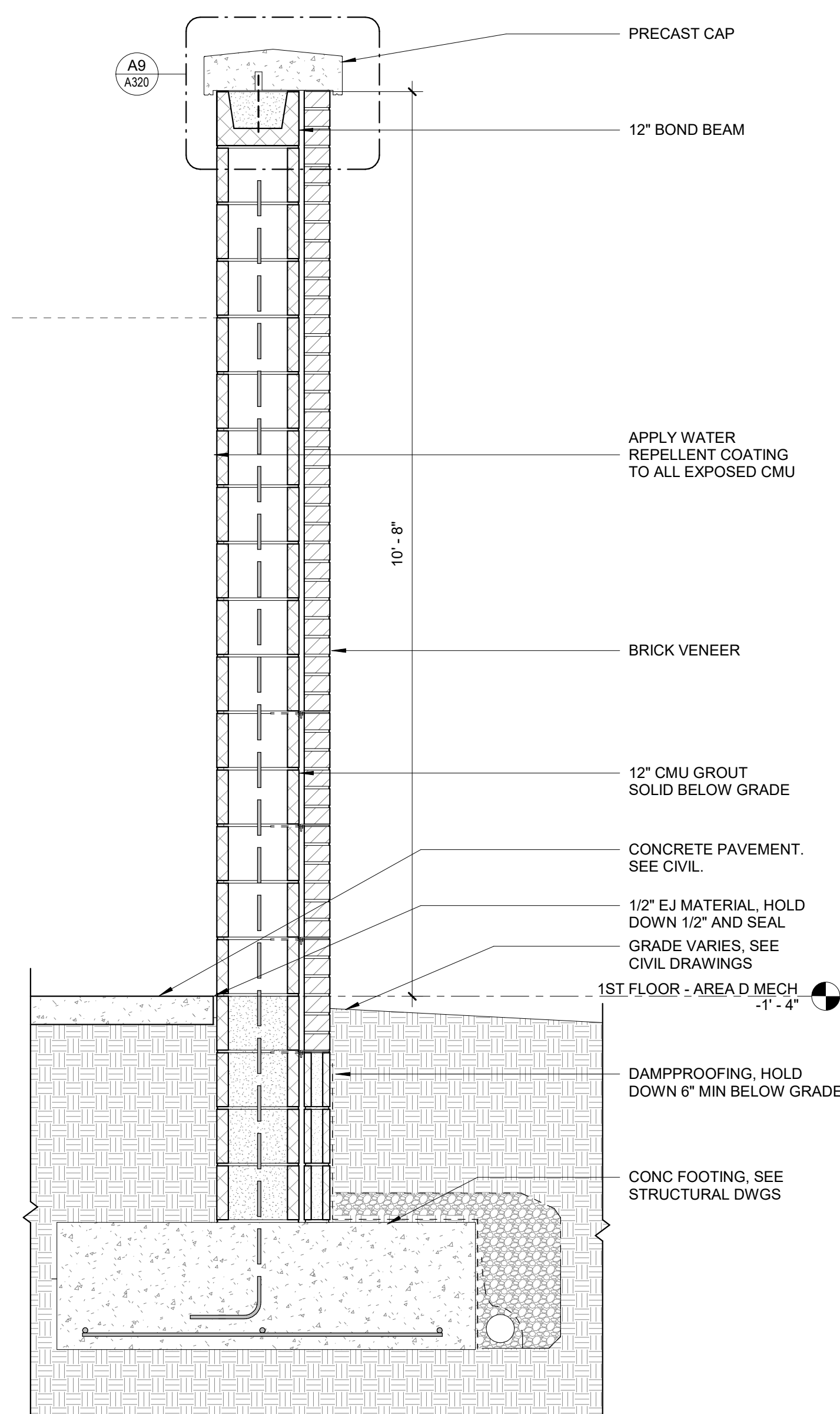
**G7** AREA D LOW RAMP  
3/4" = 1'-0"



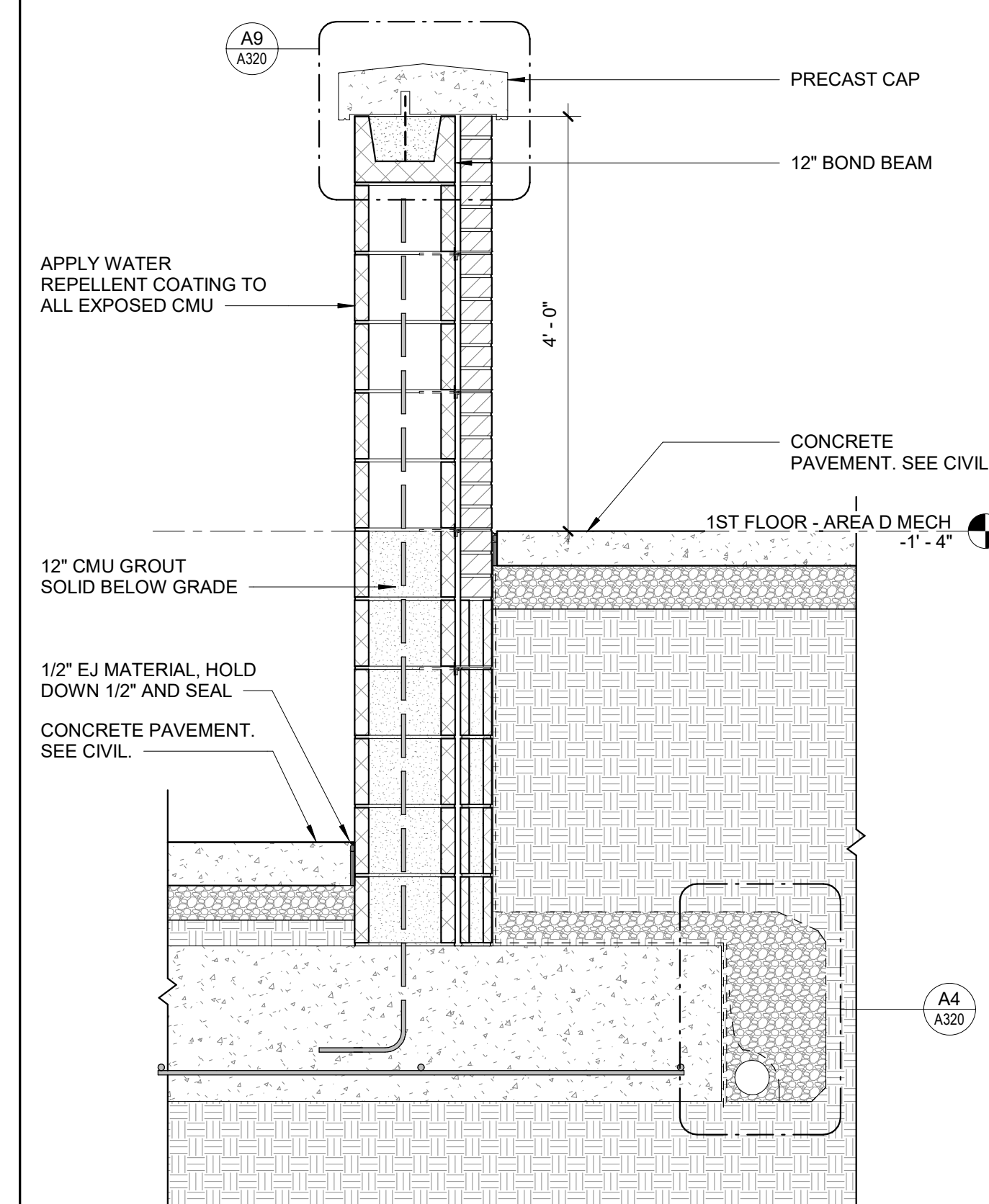
**G8** SCREEN WALL LOWER WALL  
3/4" = 1'-0"



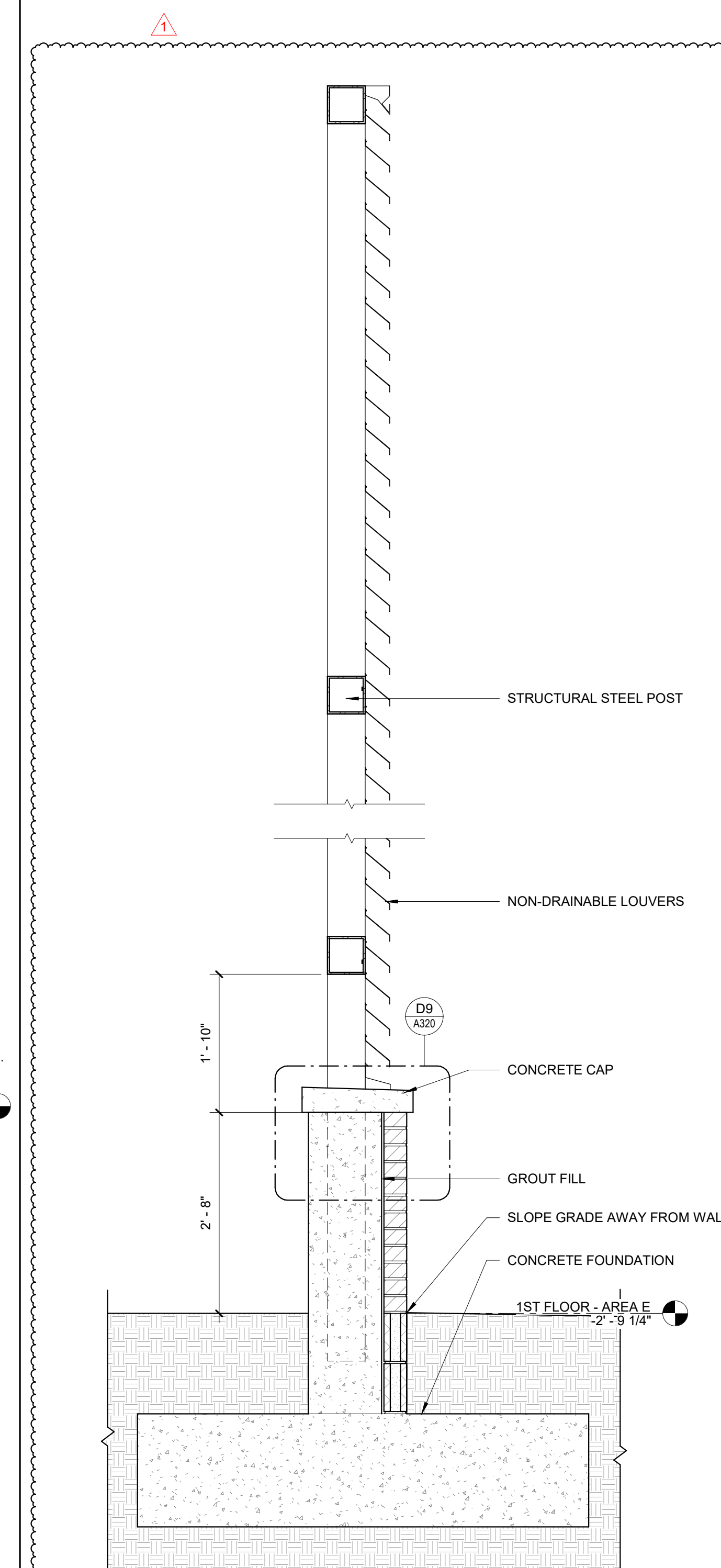
**A1** EXTERIOR RAMP 1 - CROSS SECTION  
3/4" = 1'-0"



**A4** SCREEN WALL  
3/4" = 1'-0"

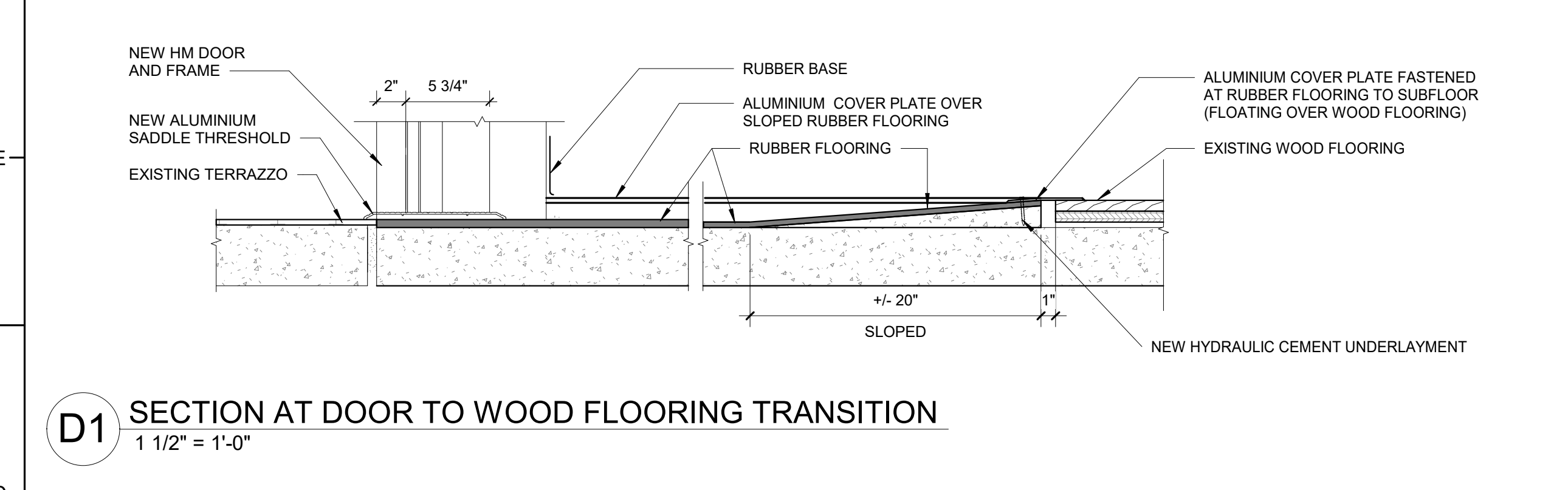
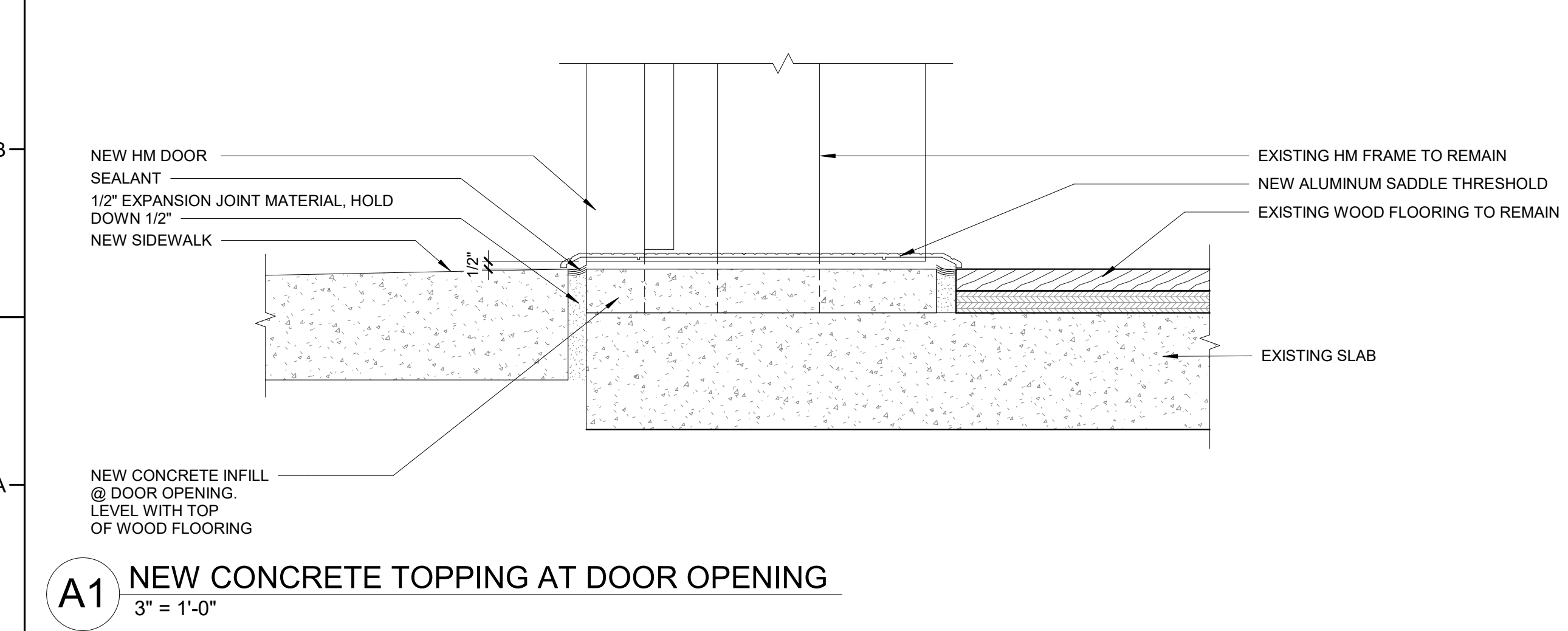
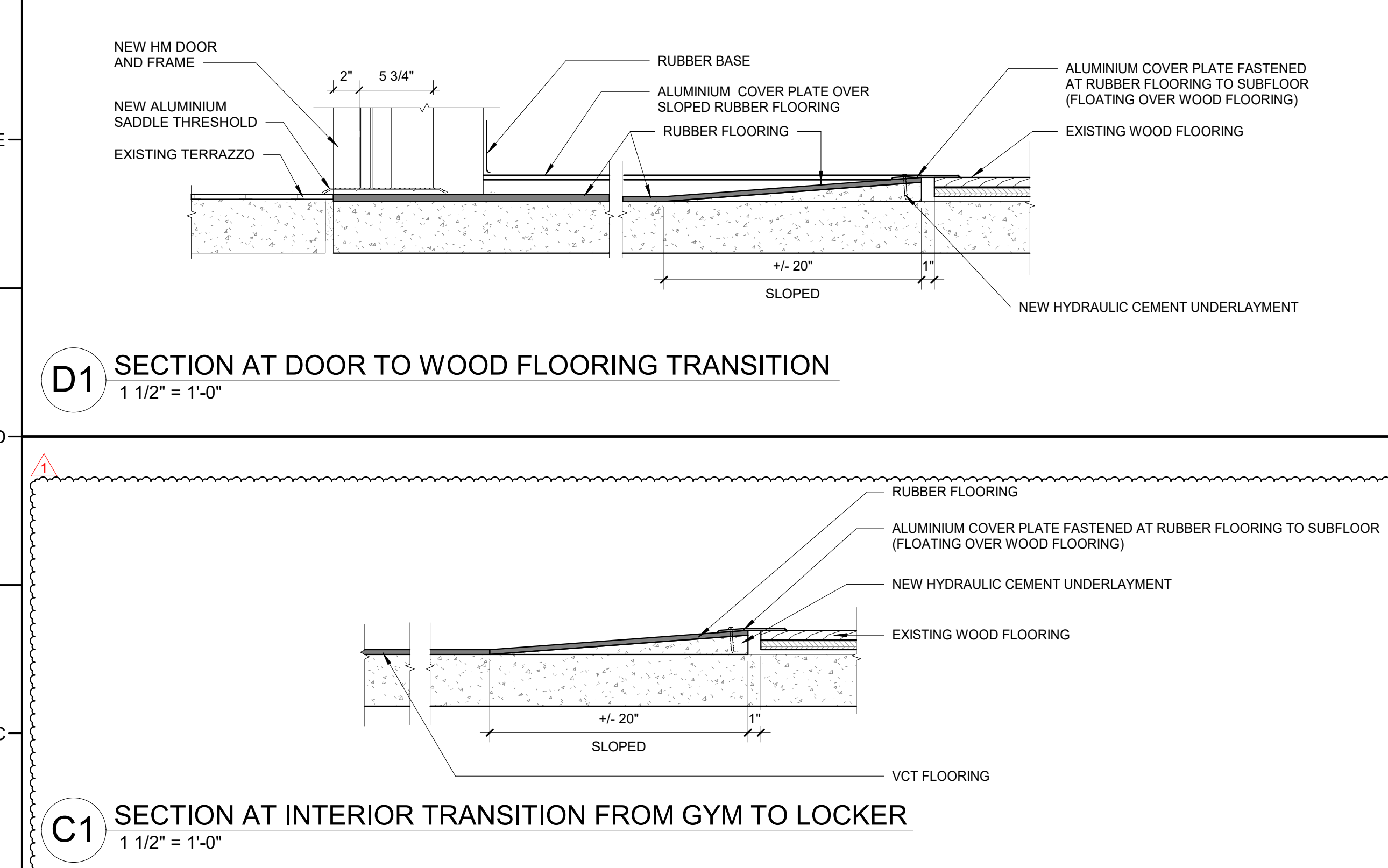
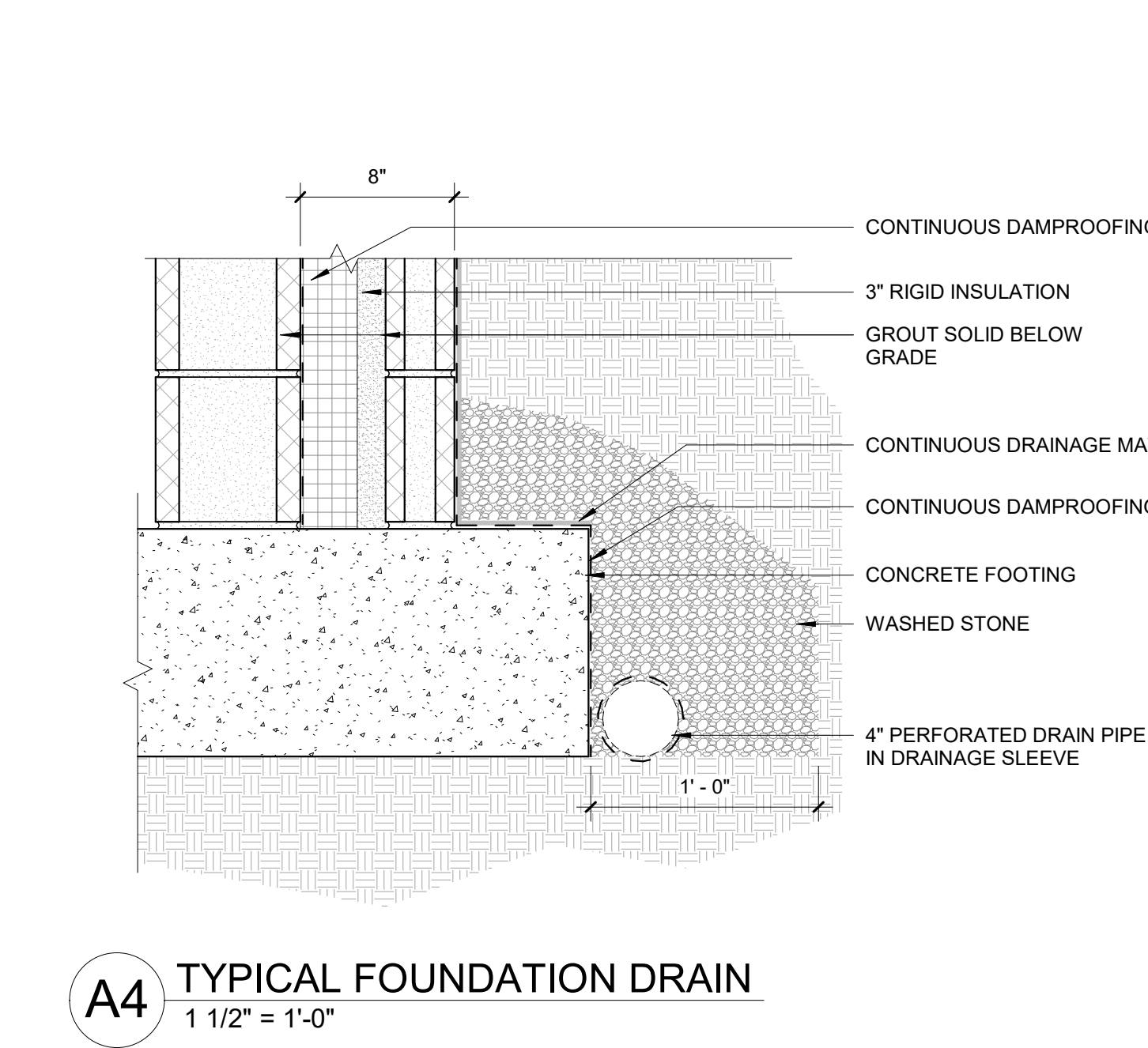
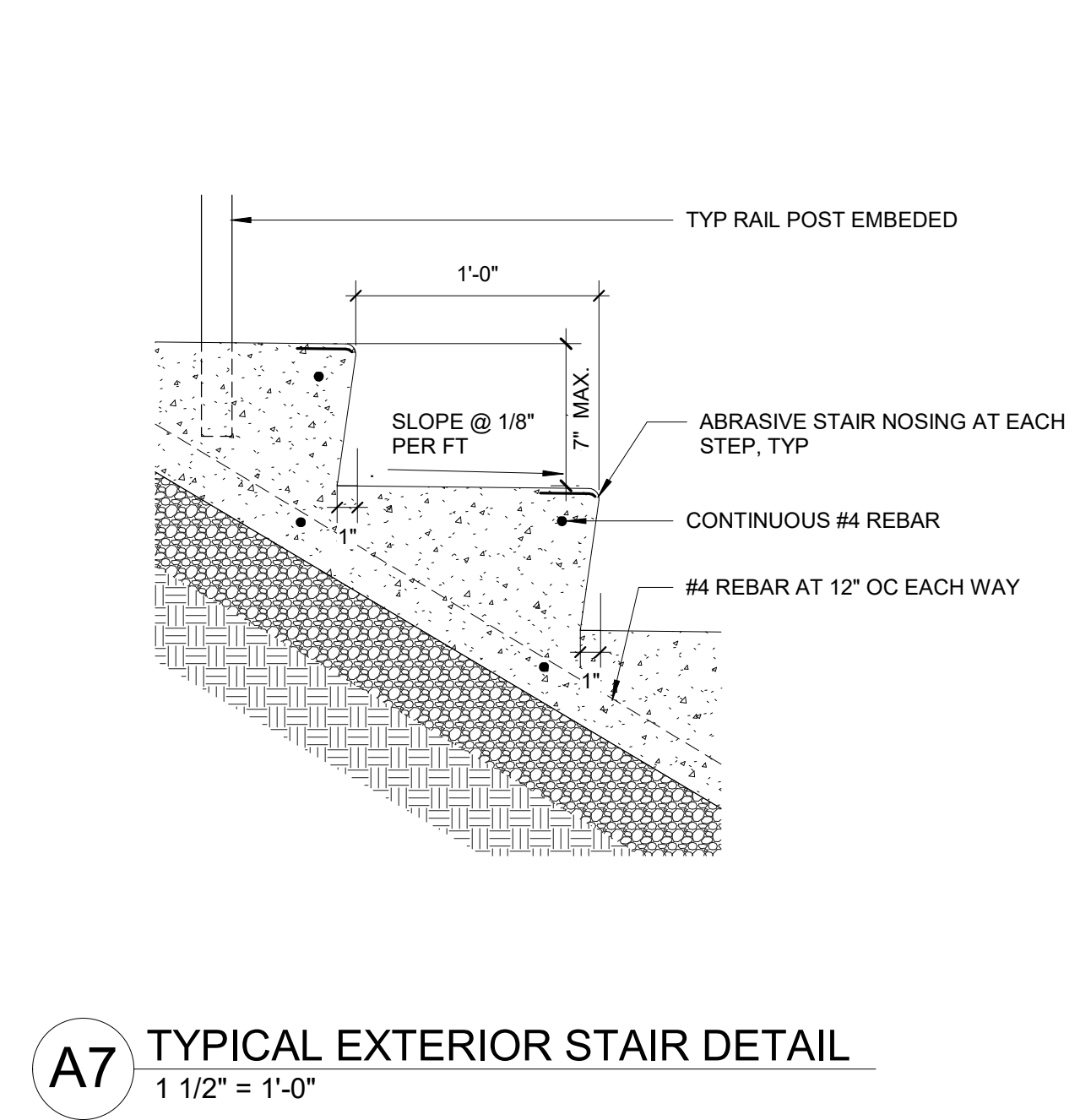
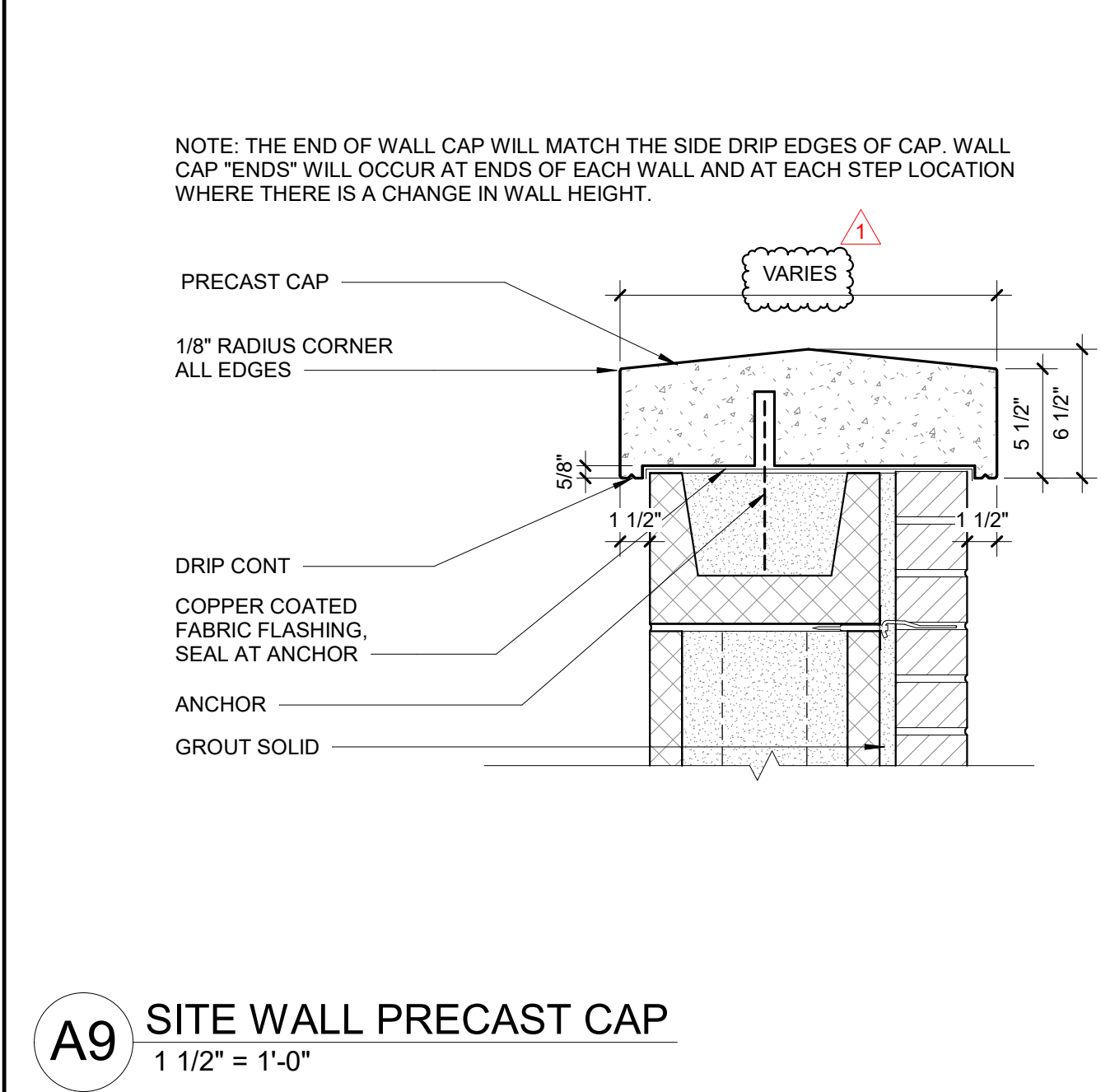
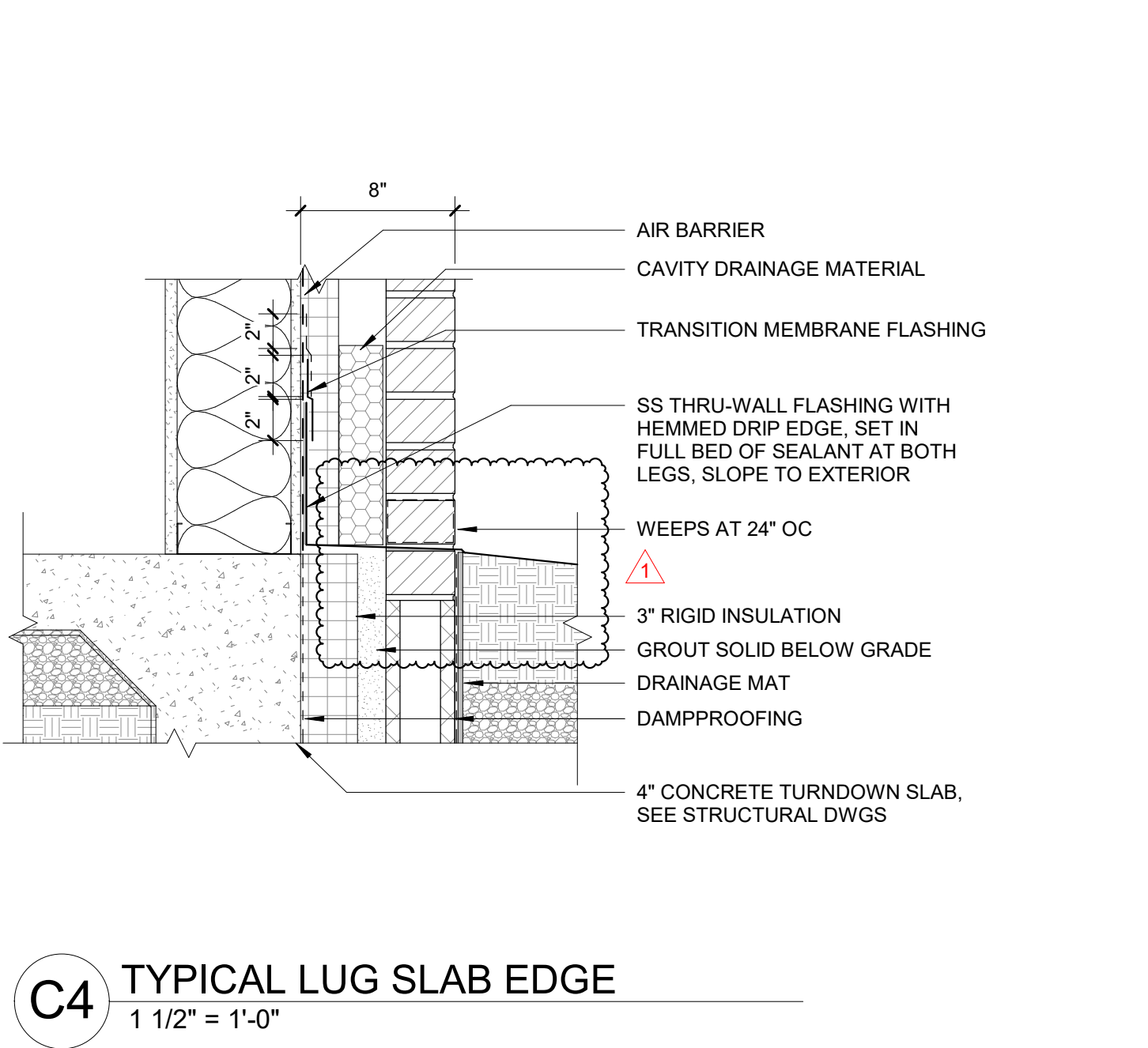
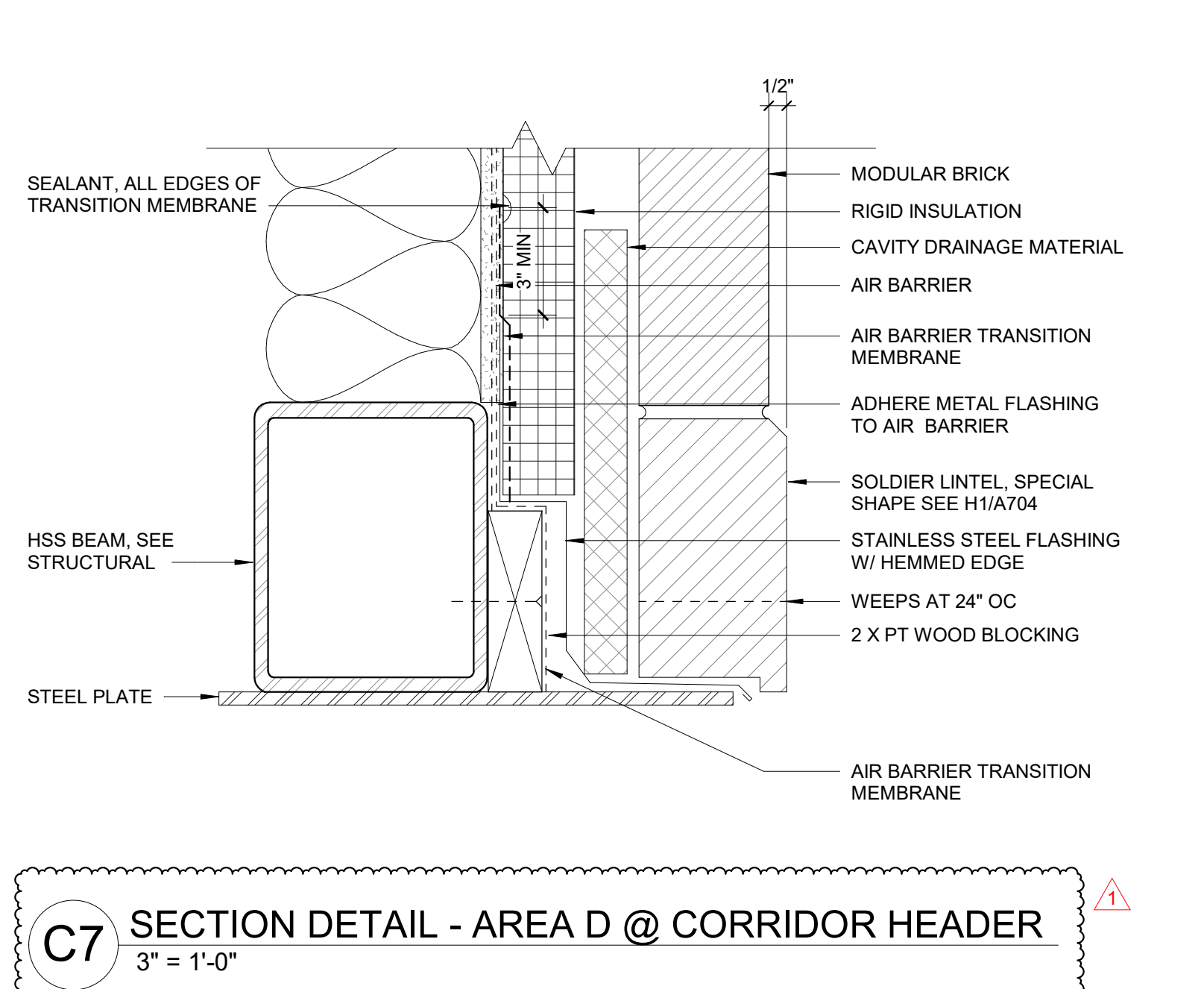
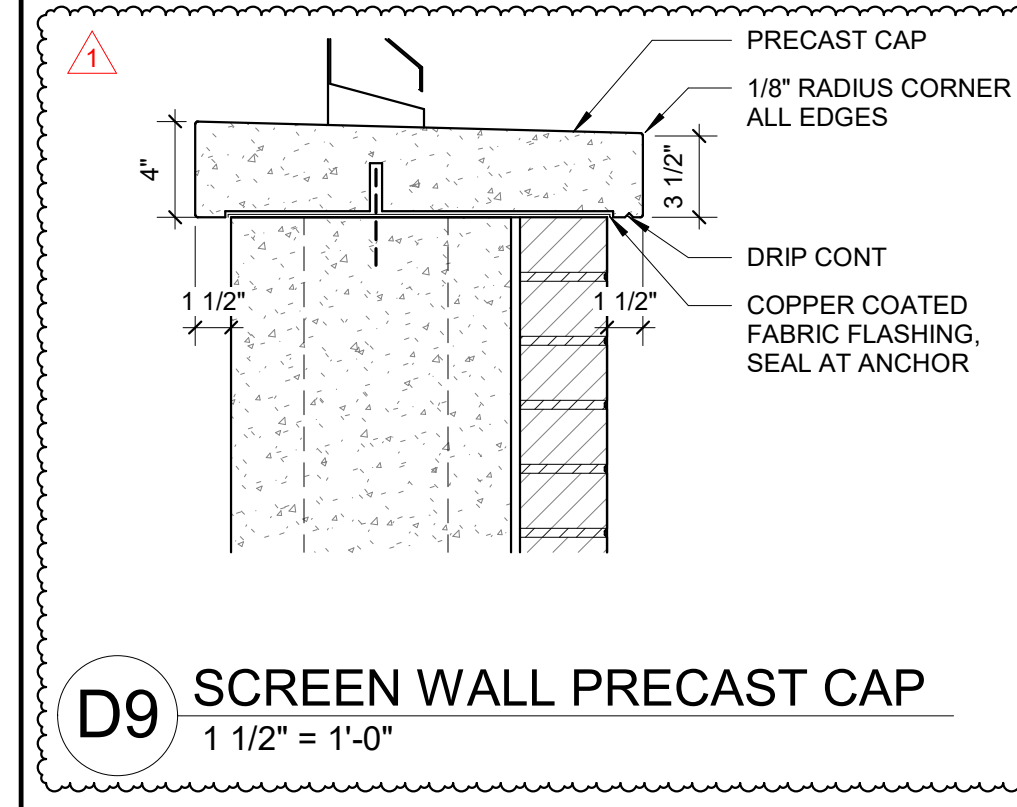
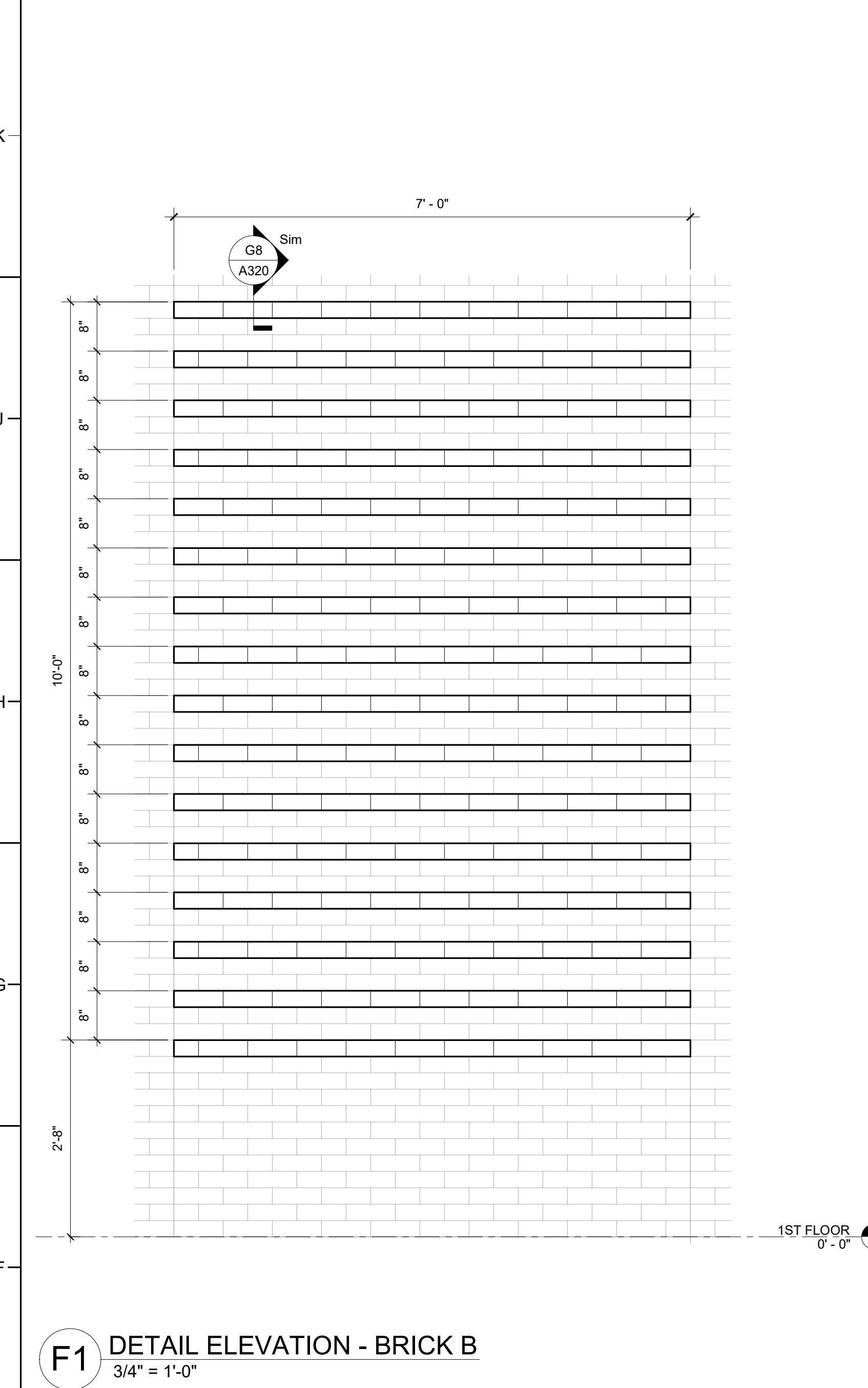
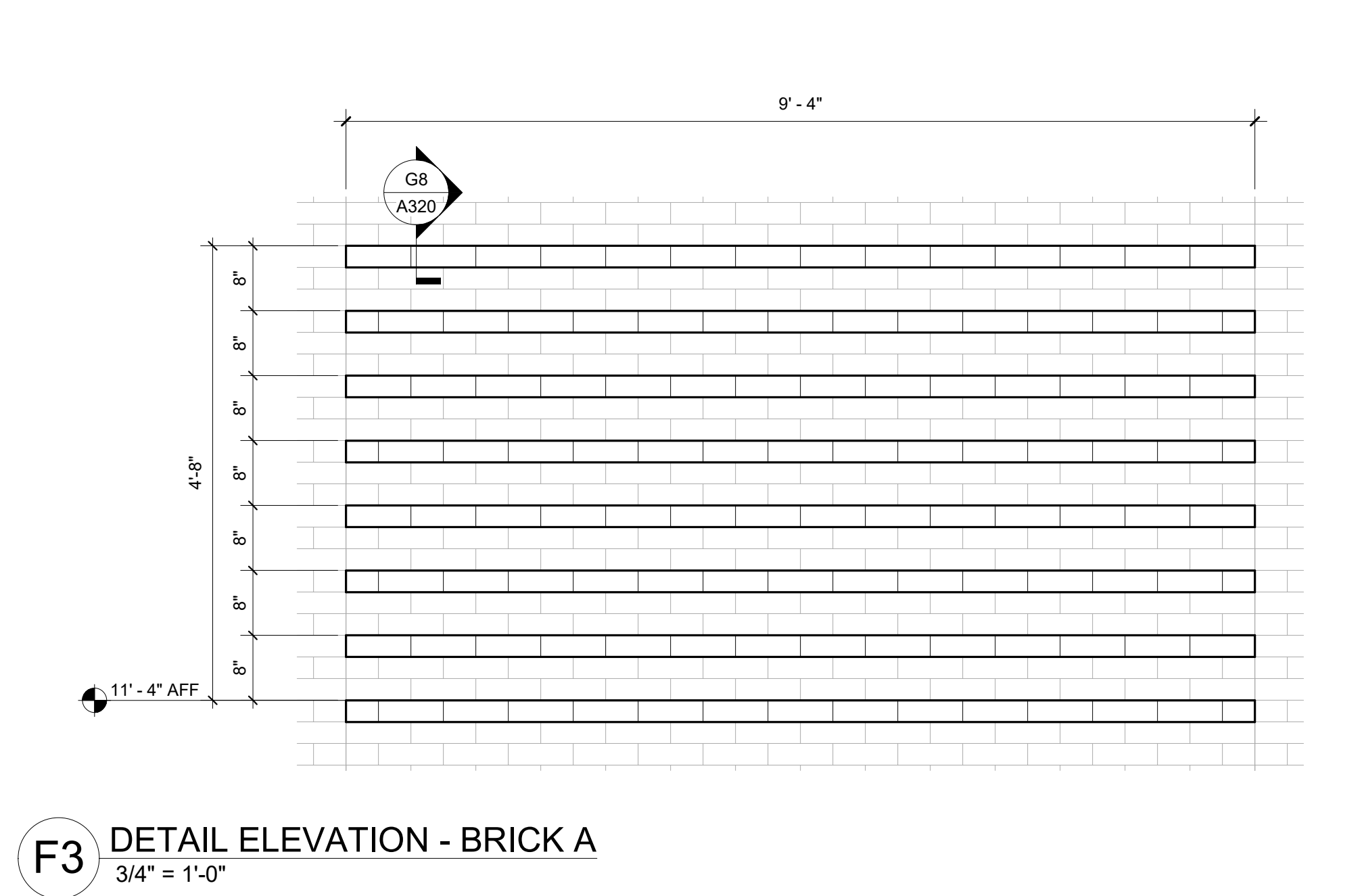
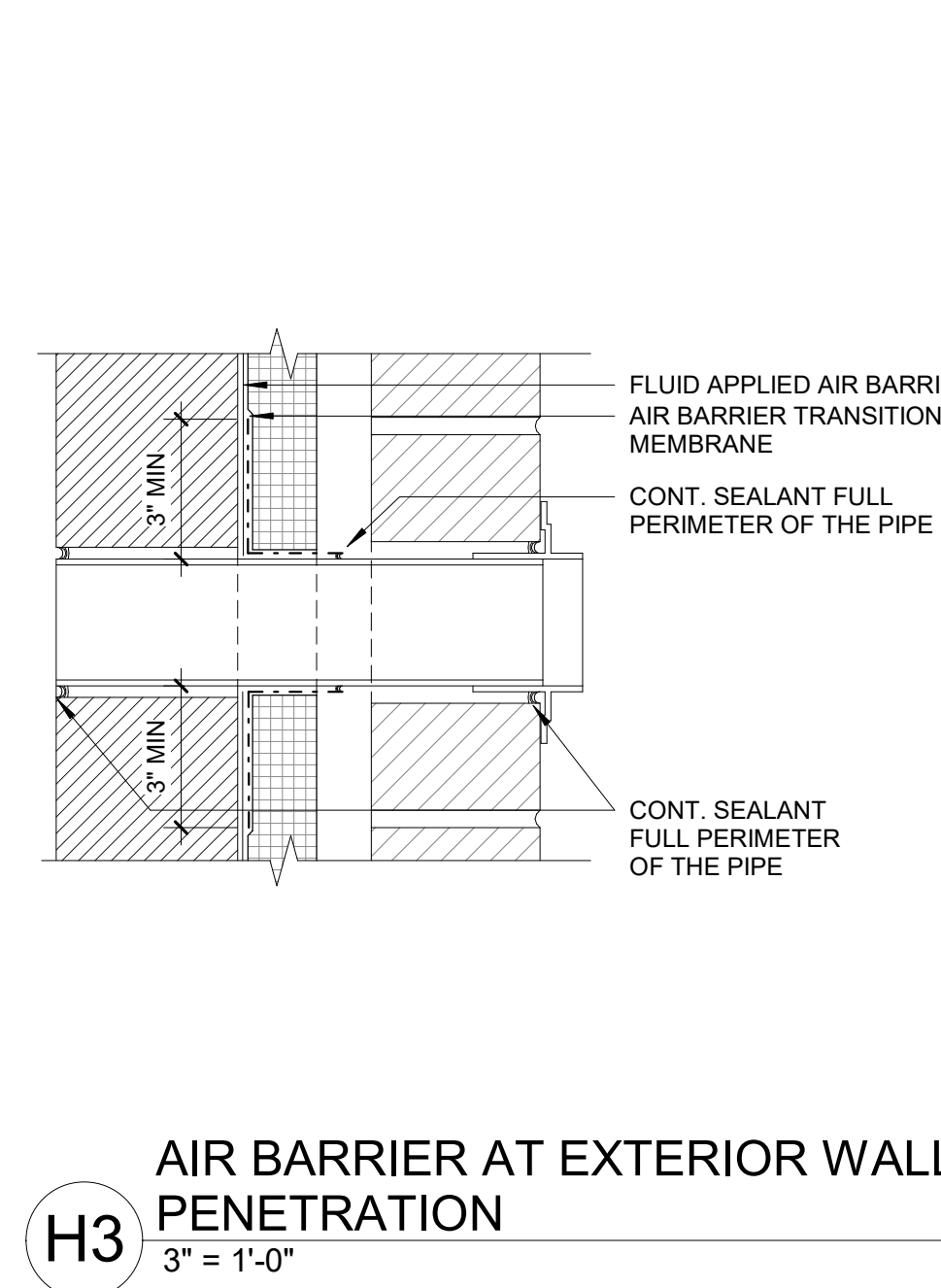
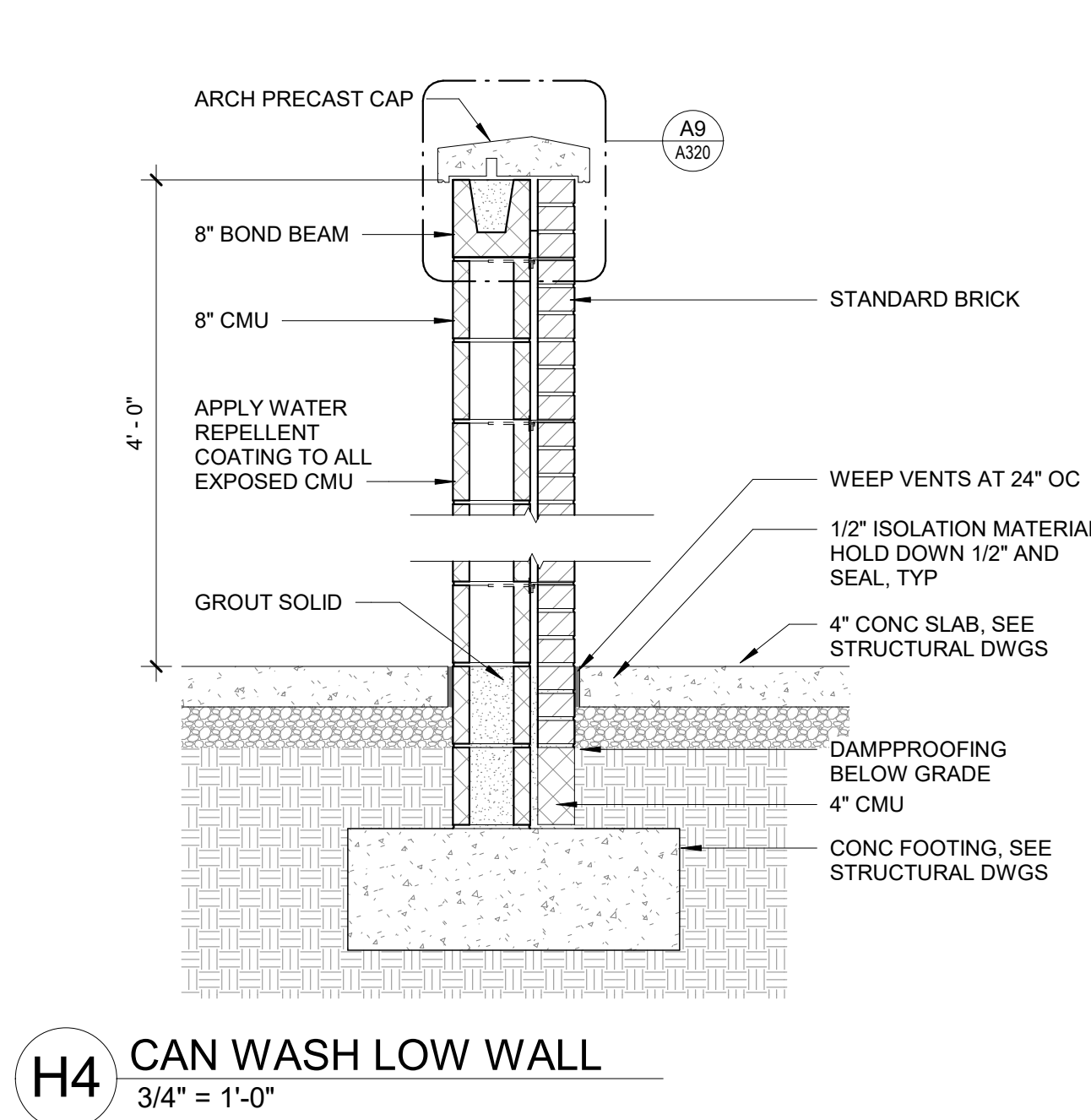
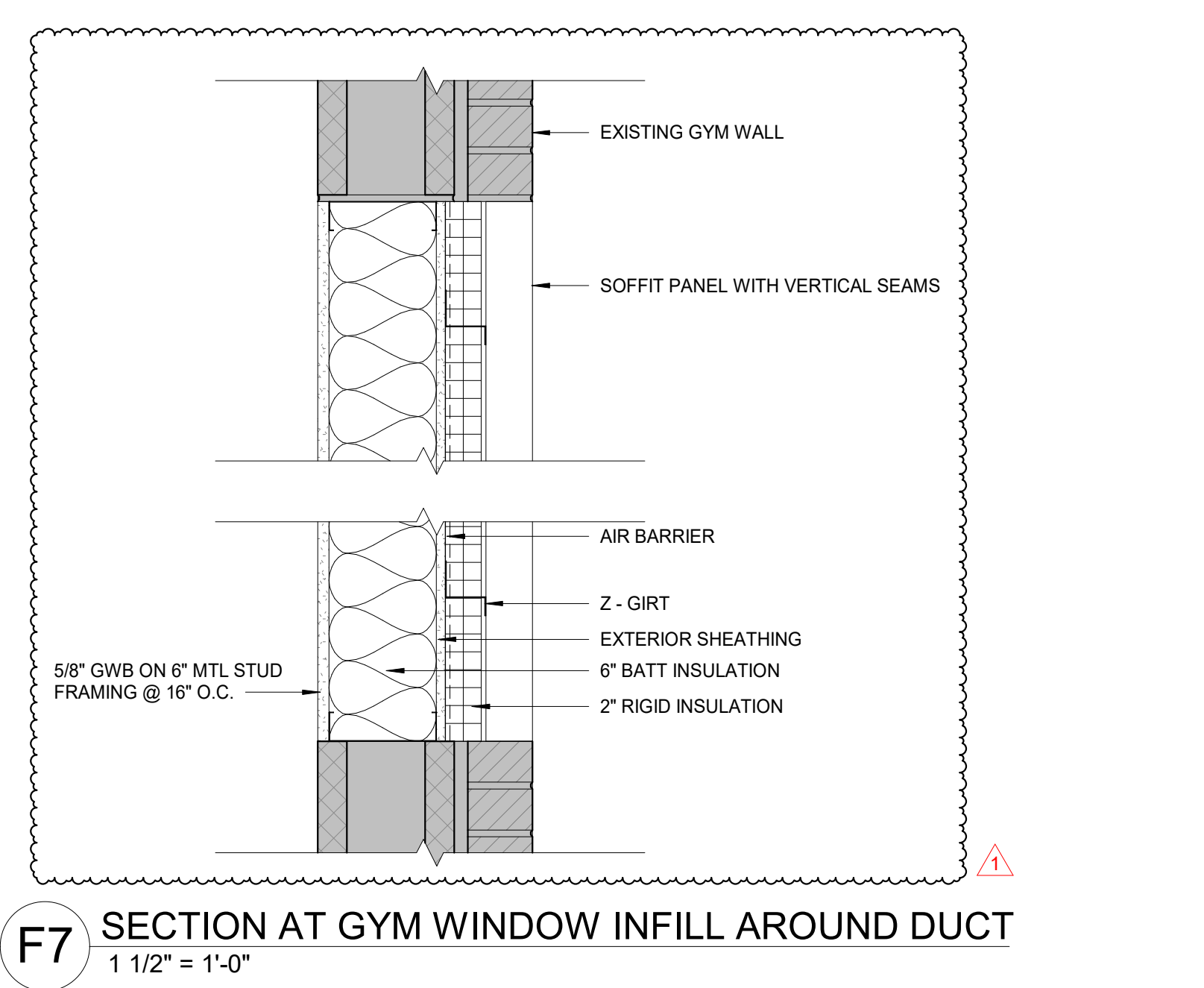
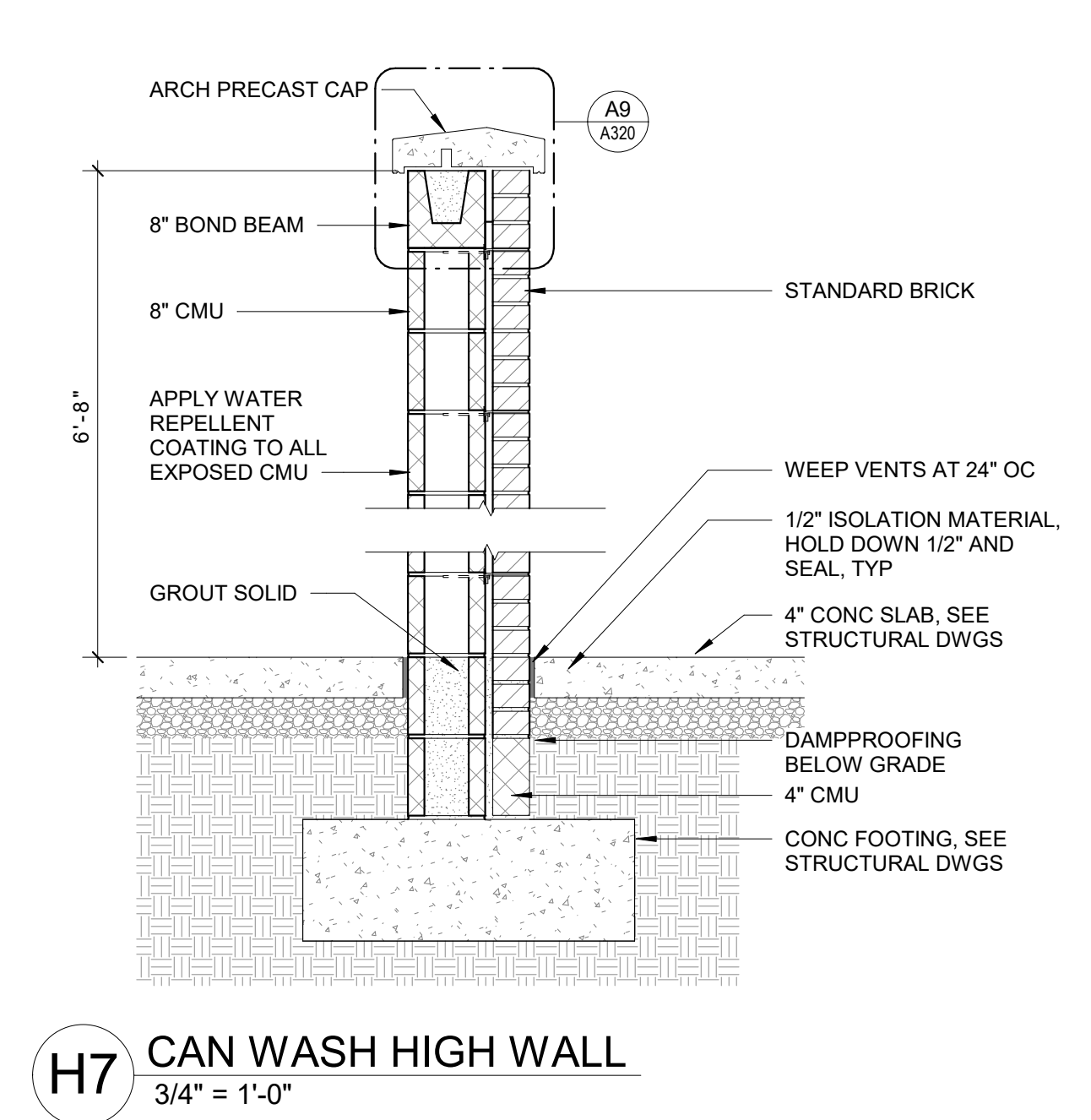
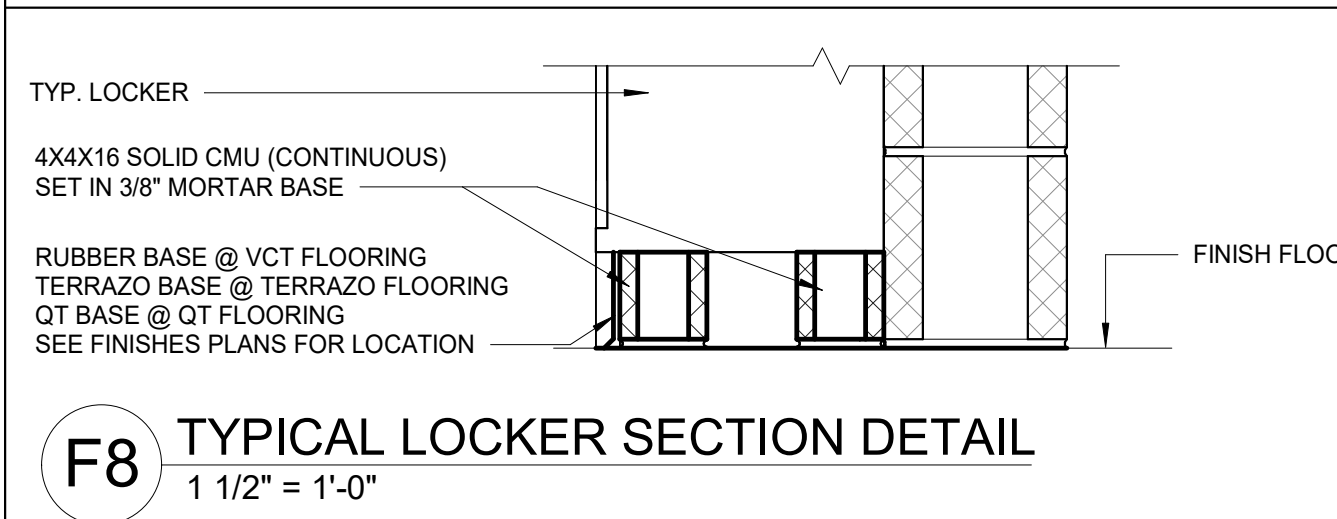
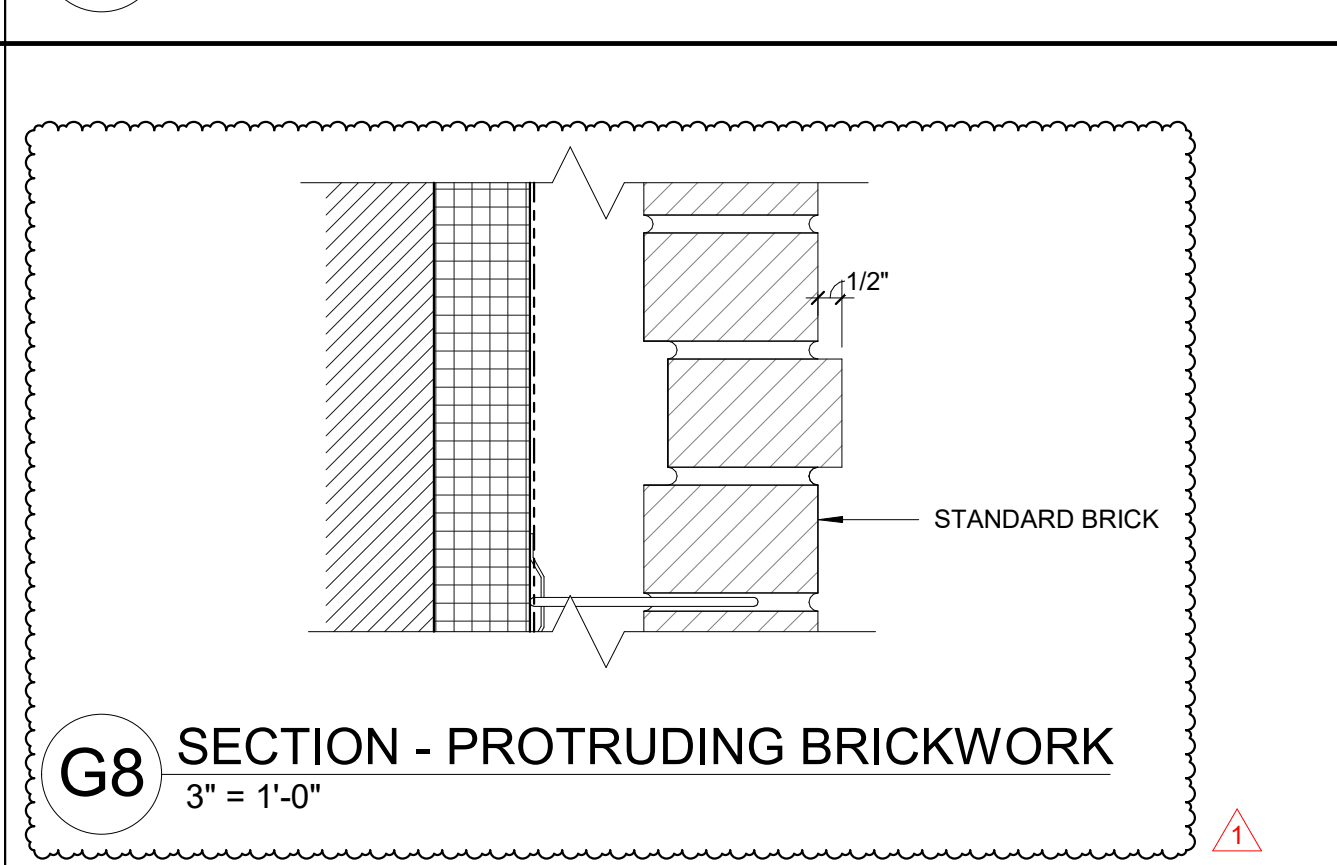
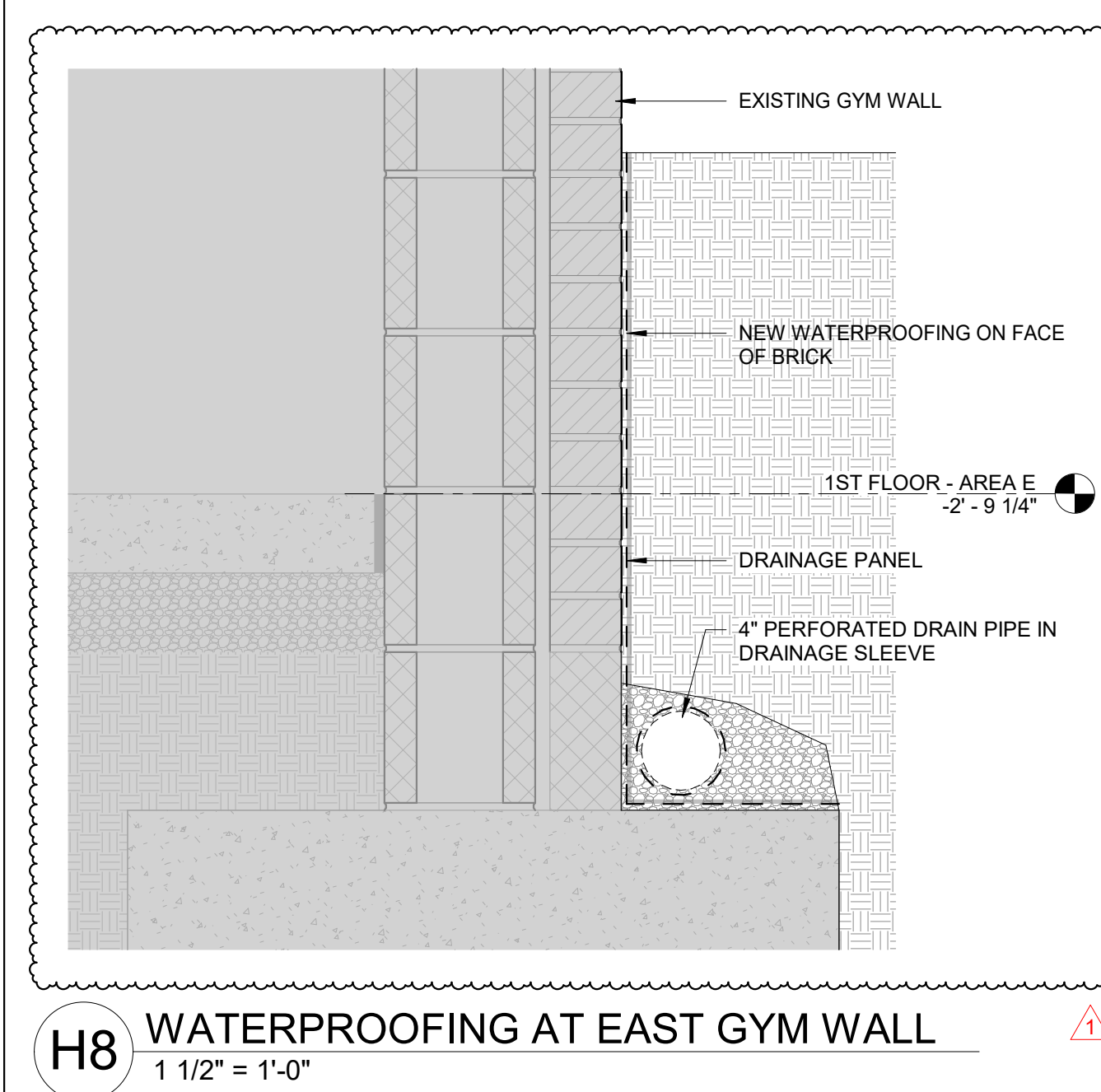


**A7** LOADING DOCK WALL  
3/4" = 1'-0"

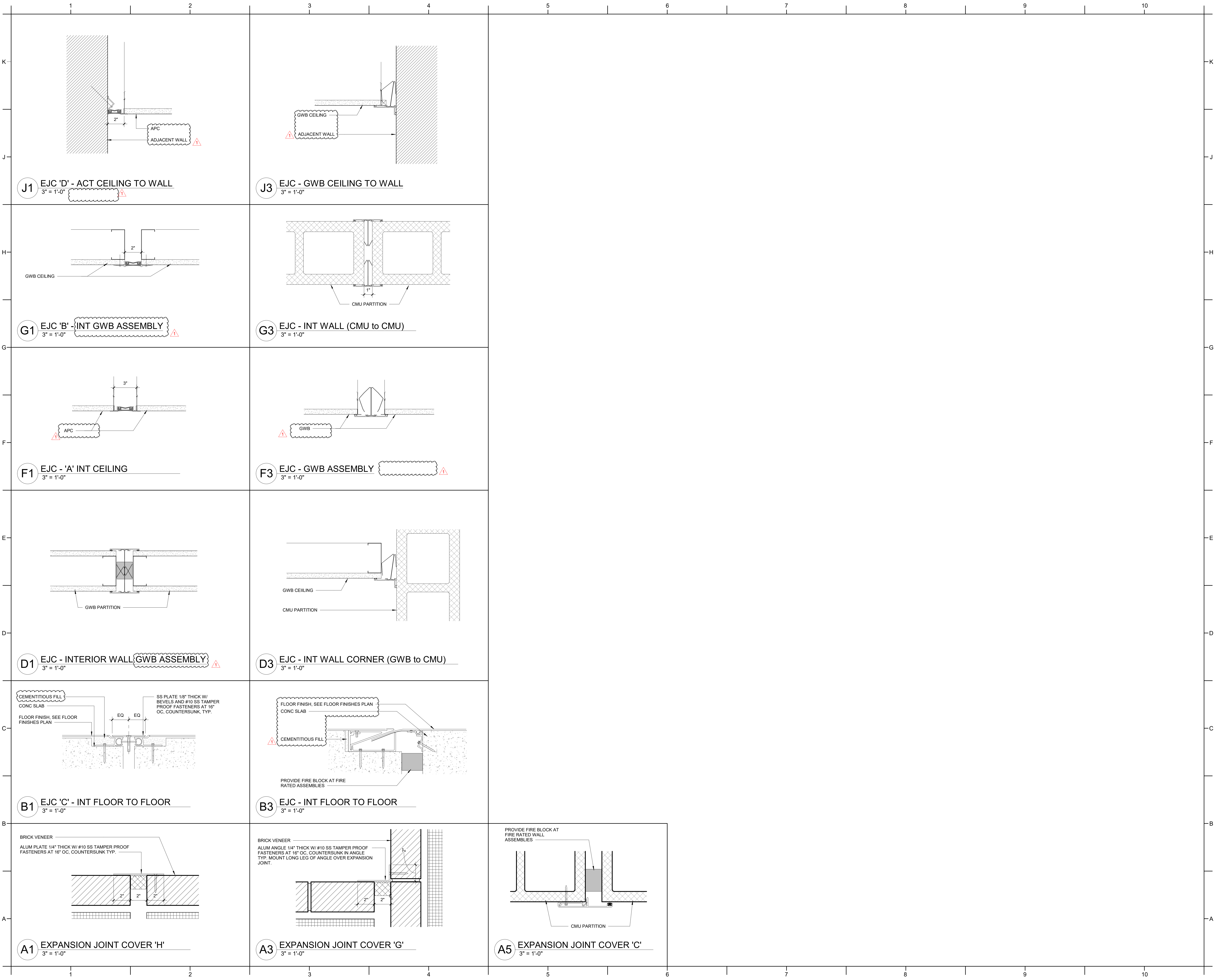


**A9** AREA E - MECHANICAL UNIT SCREEN WALL  
3/4" = 1'-0"



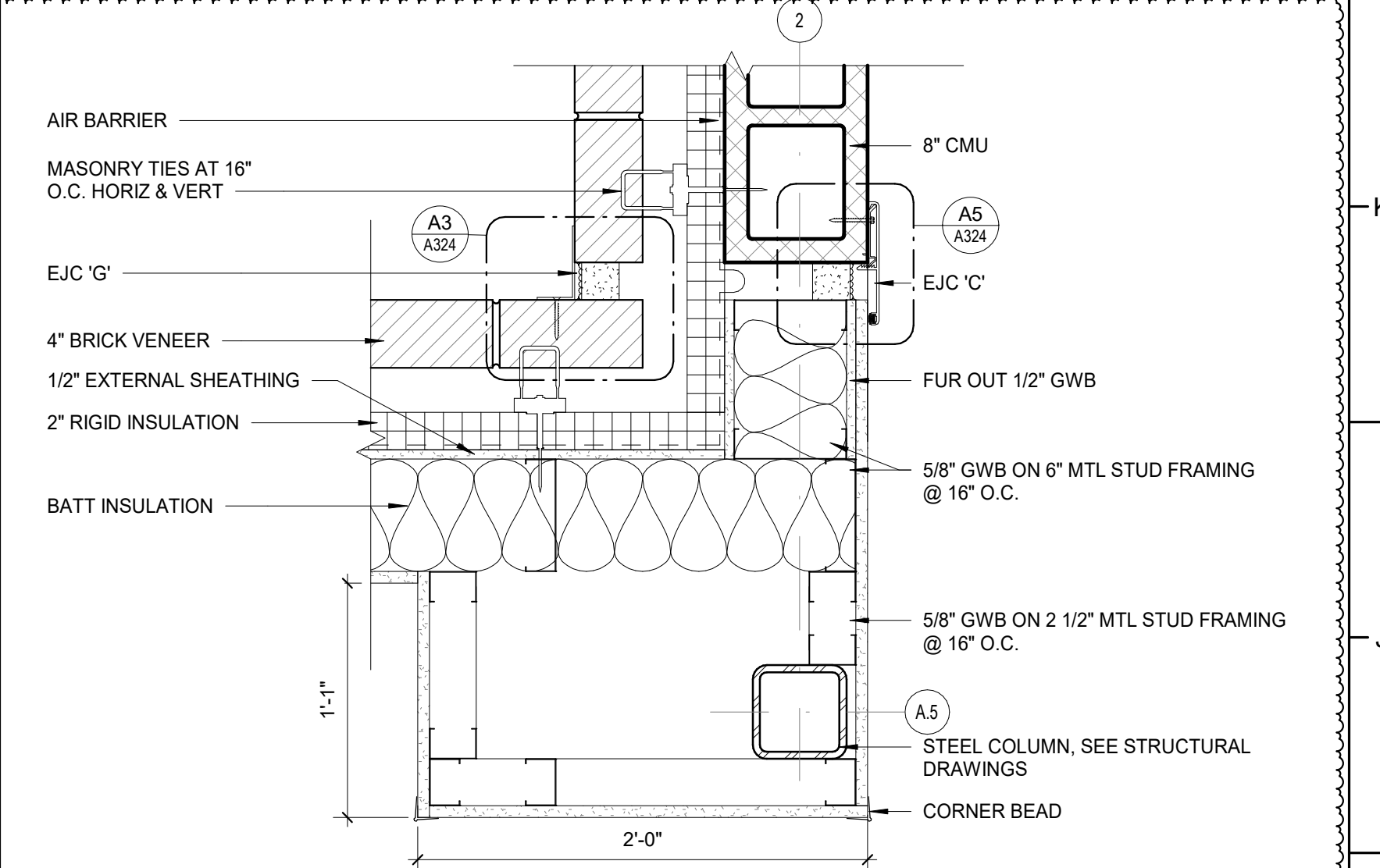




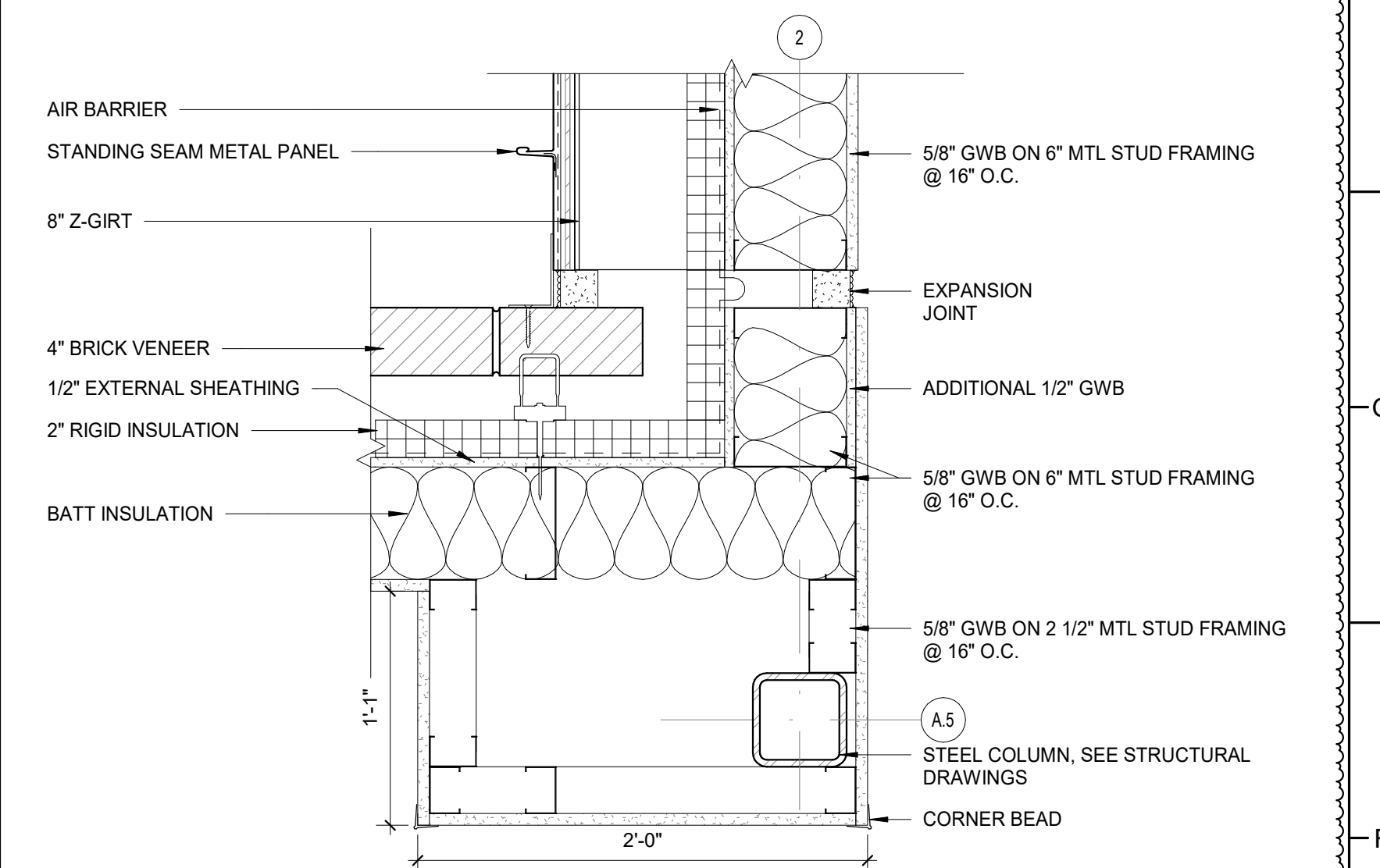


NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2/3/2025

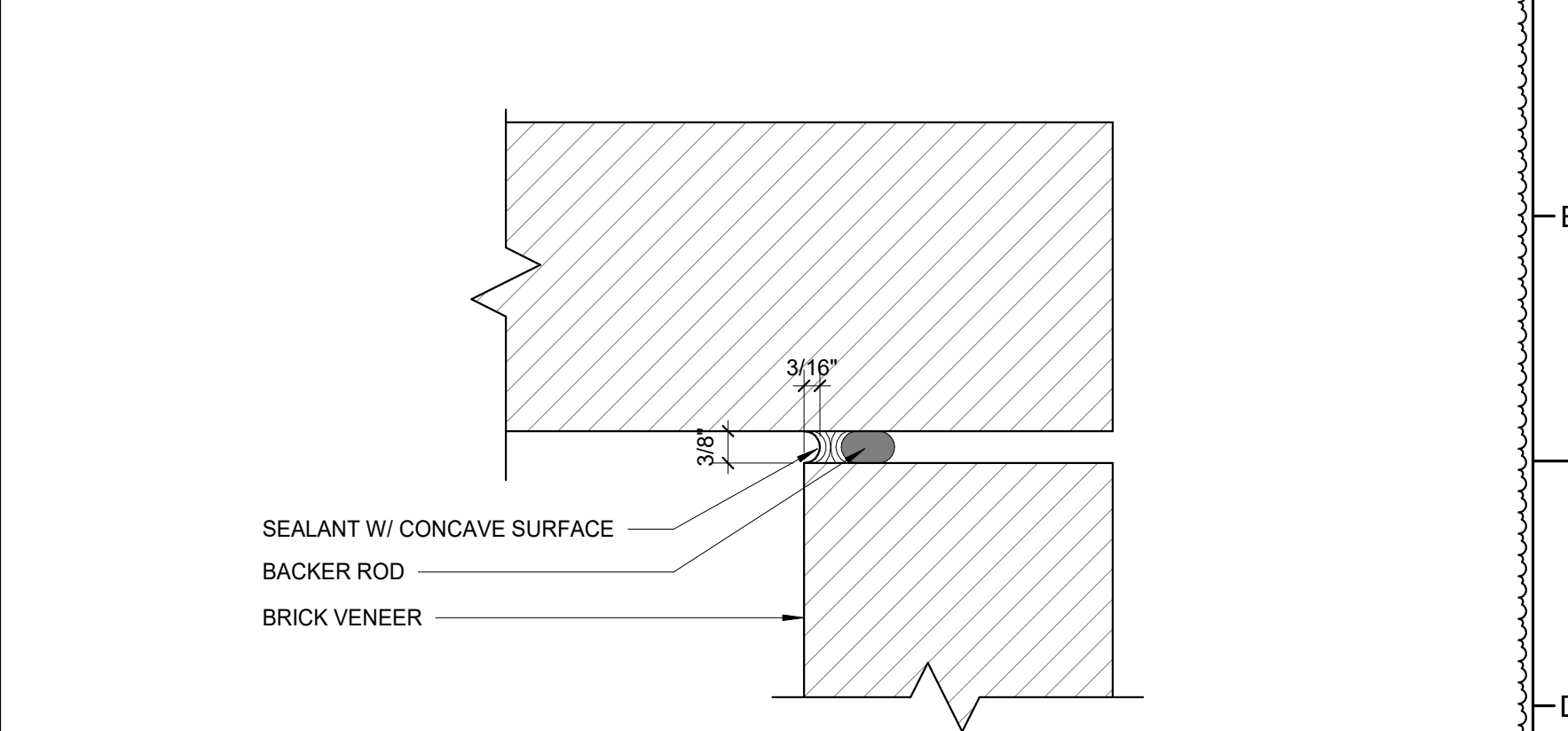




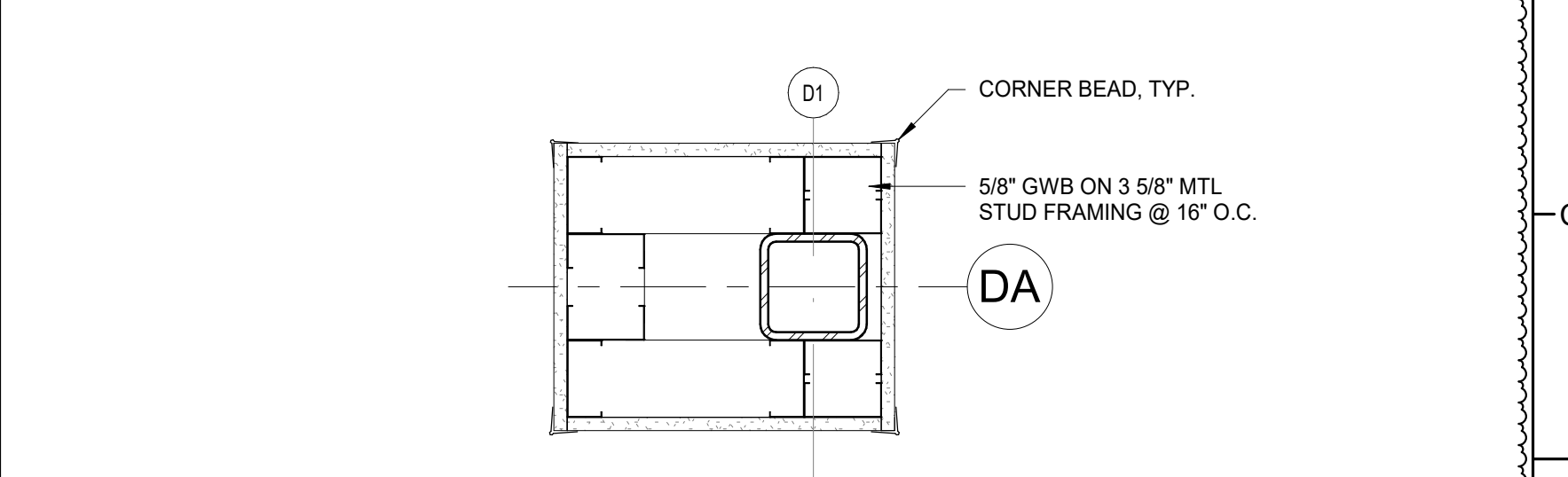
**H8** PLAN DETAIL - CORRIDOR CONNECTOR -  
BID ALT NO. 2 - BOTTOM  
1 1/2" = 1'-0"



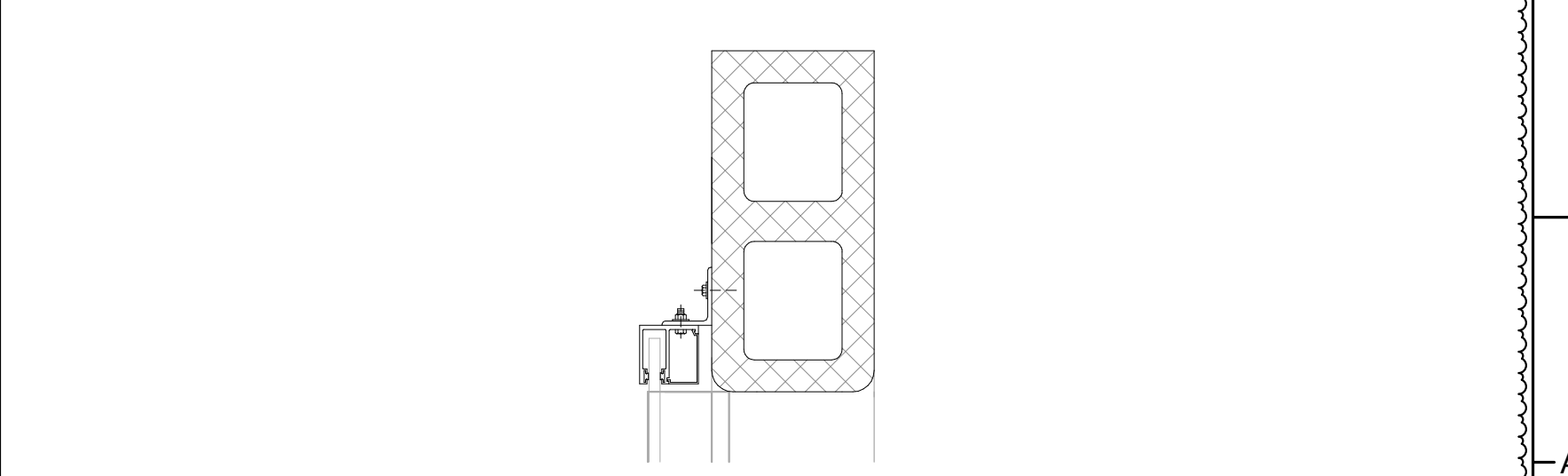
**F8** PLAN DETAIL - CORRIDOR CONNECTOR -  
BID ALT NO. 2 - ABOVE CEILING  
1 1/2" = 1'-0"



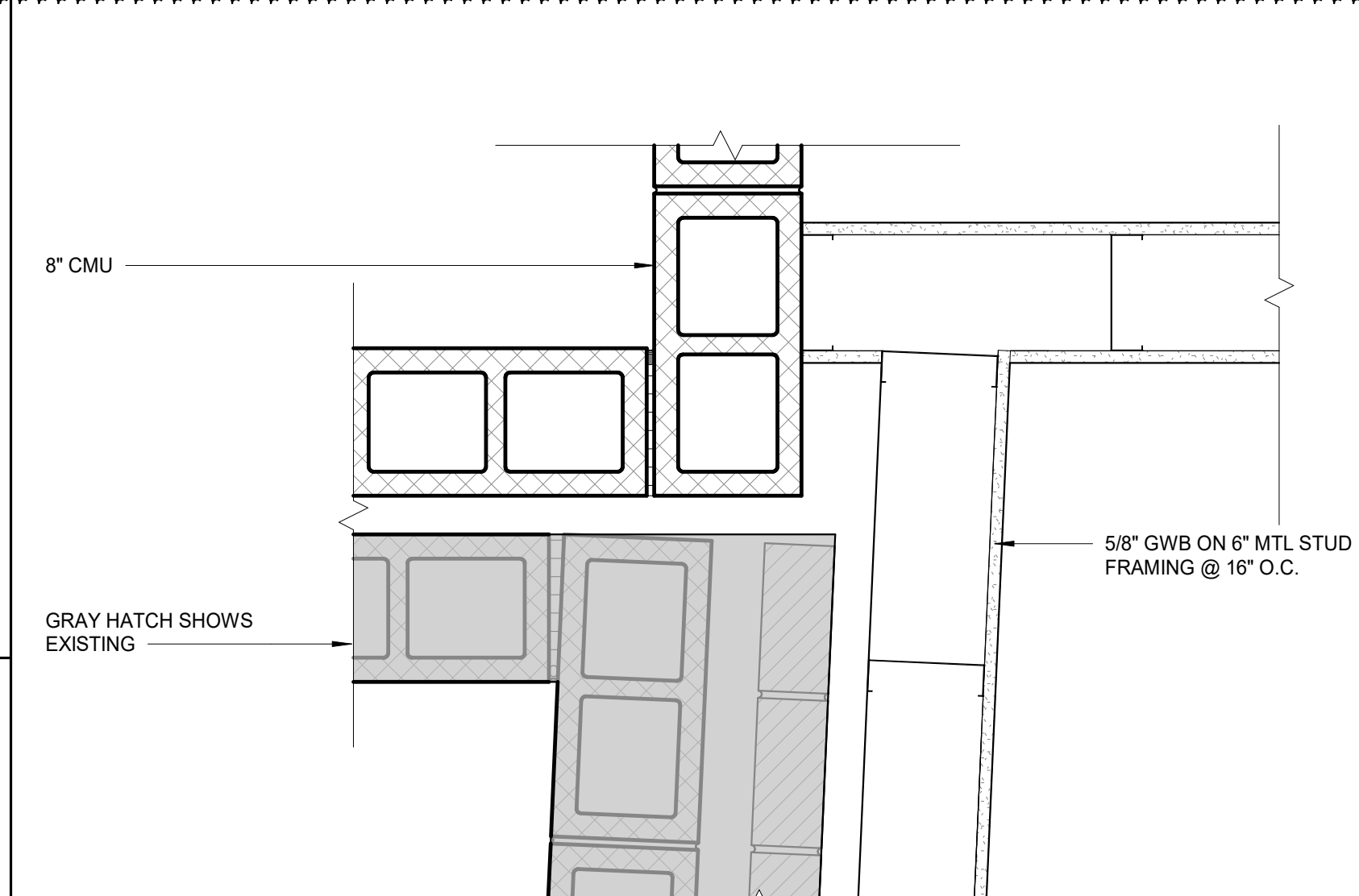
**D8** TYP CONTROL JOINT  
6" = 1'-0"



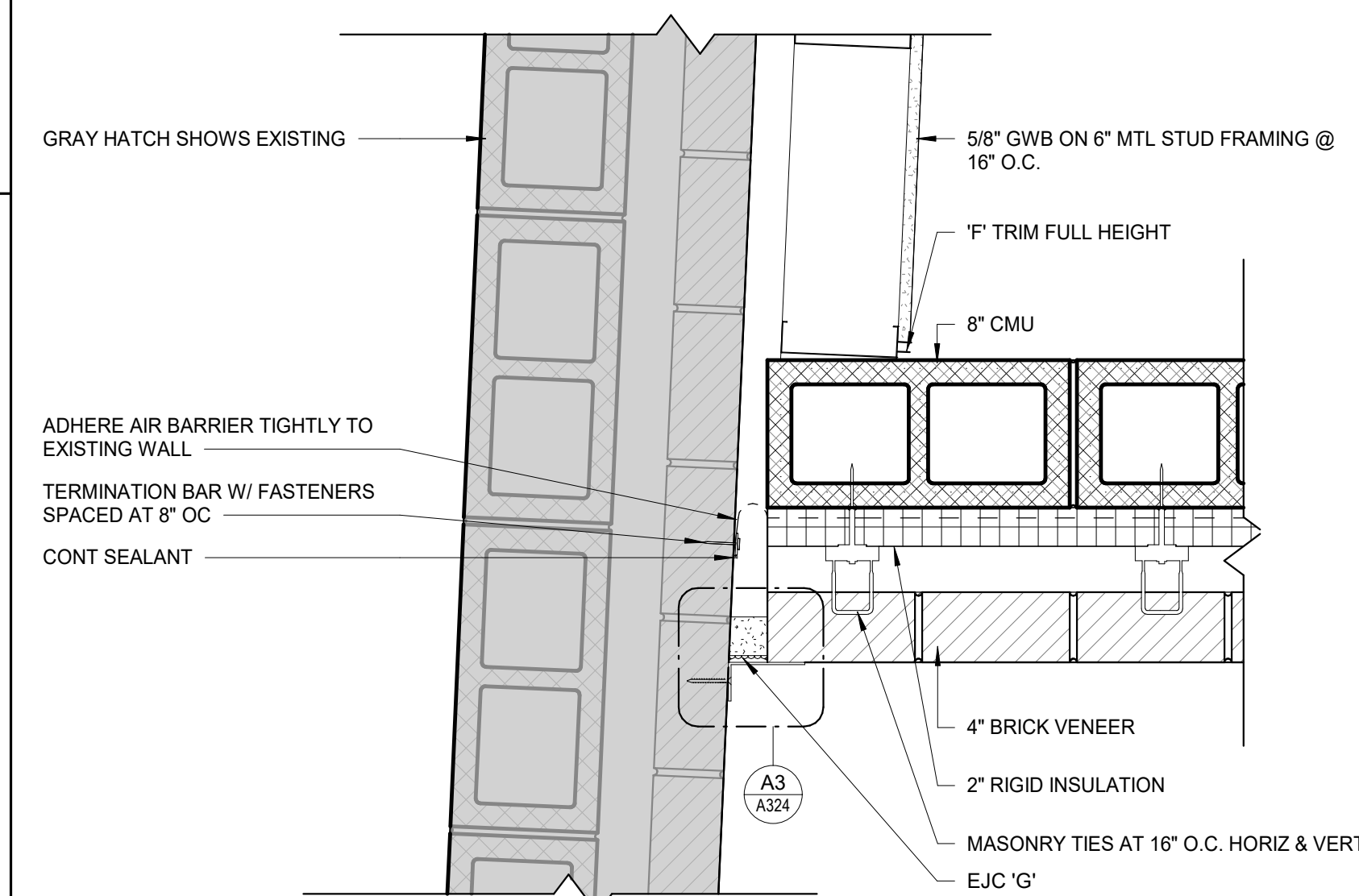
**B8** PLAN DETAIL - AREA A @ DINING  
1 1/2" = 1'-0"



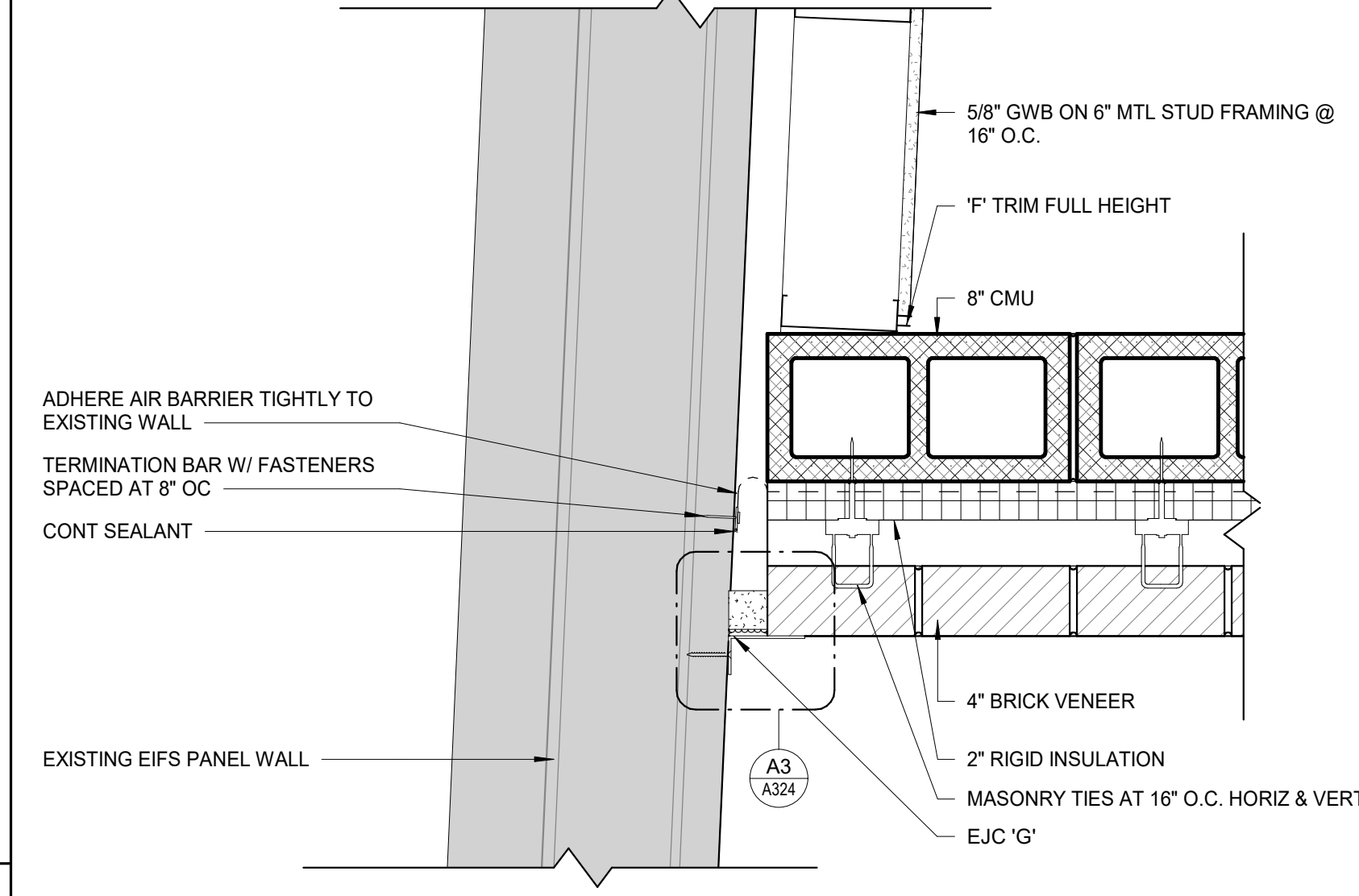
**A8** TYP COILING GRILLE JAMB DETAIL  
1 1/2" = 1'-0"



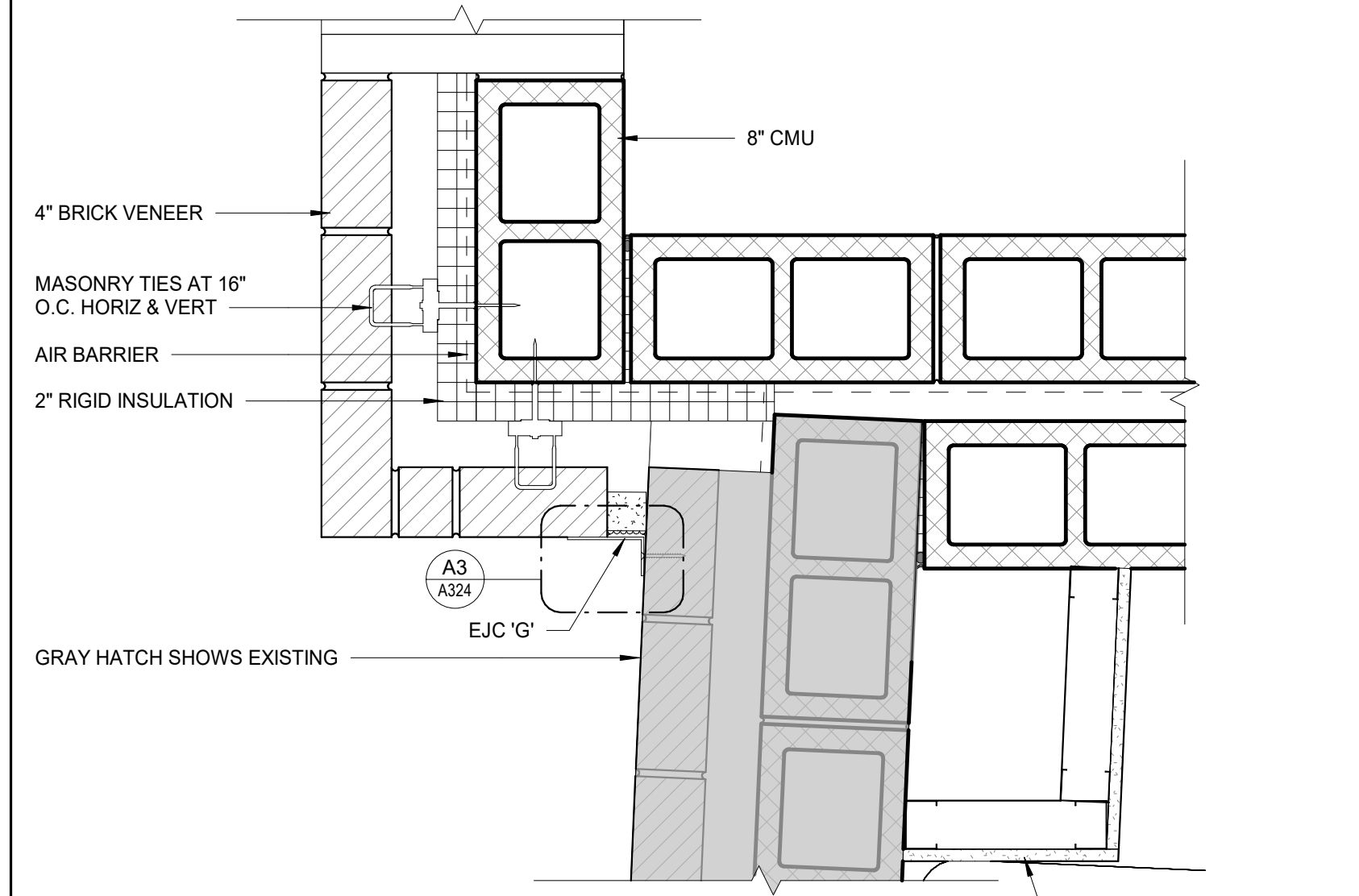
**H6** PLAN DETAIL - AREA E @ VISITOR LOCKER E104  
1 1/2" = 1'-0"



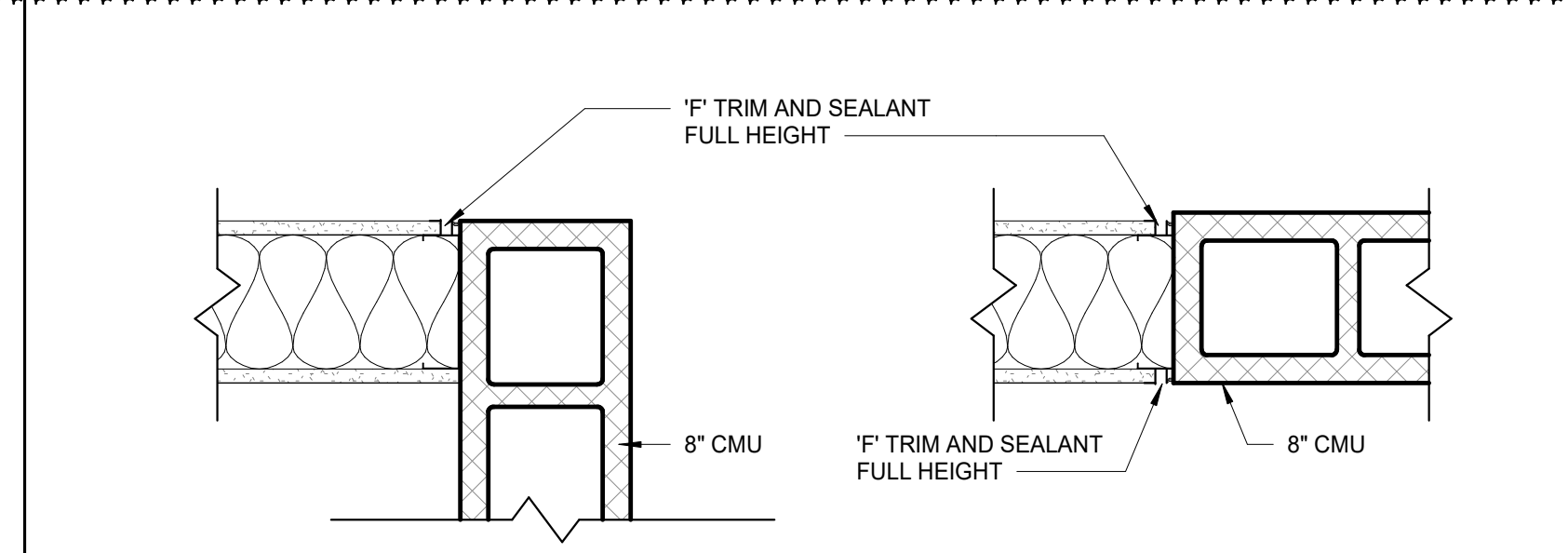
**F6** PLAN DETAIL - AREA D - BUILDING JOINT  
1 1/2" = 1'-0"



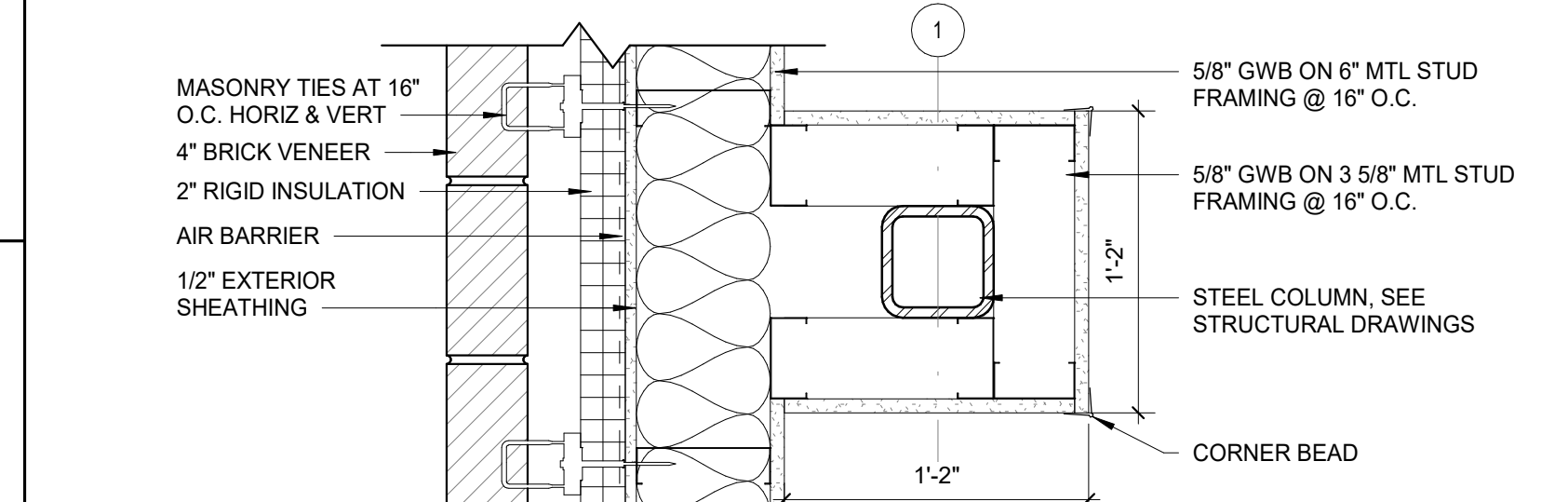
**C6** PLAN DETAIL - AREA D - BUILDING JOINT @ EIFS WALL  
1 1/2" = 1'-0"



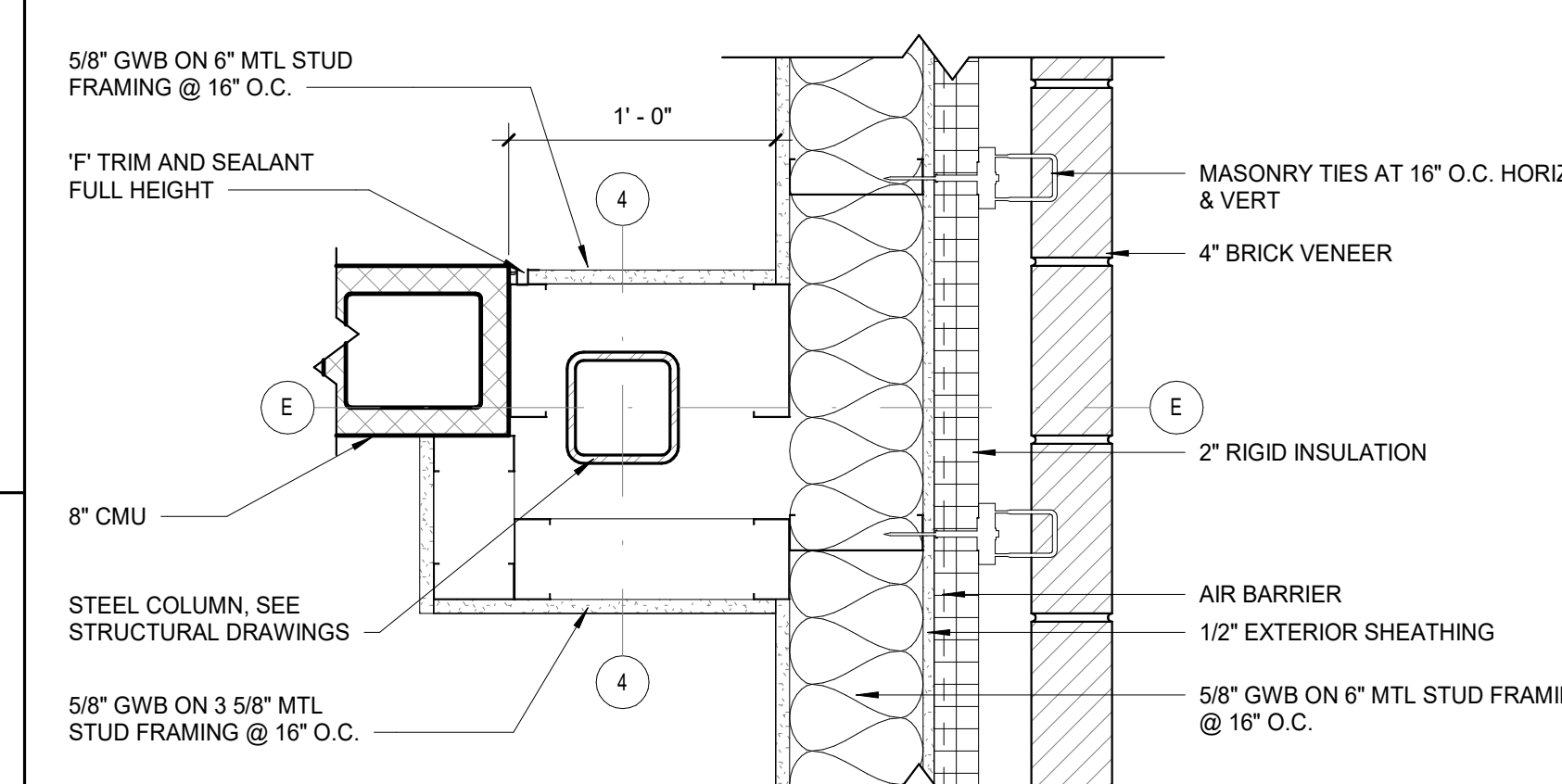
**A6** PLAN DETAIL - AREA E @ STORAGE E103  
1 1/2" = 1'-0"



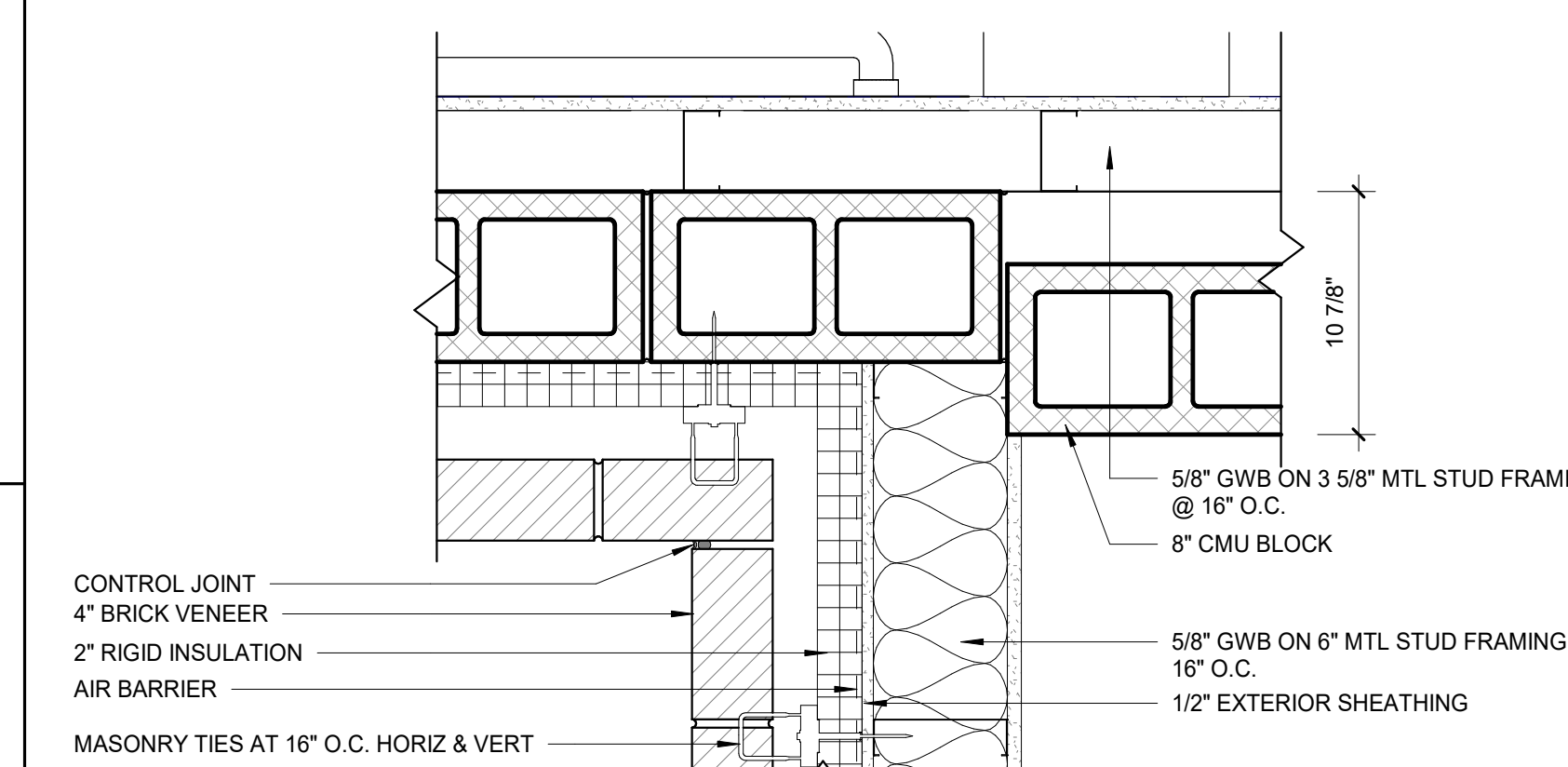
**J3** TYP CMU TO GWB CONNECTION  
1 1/2" = 1'-0"



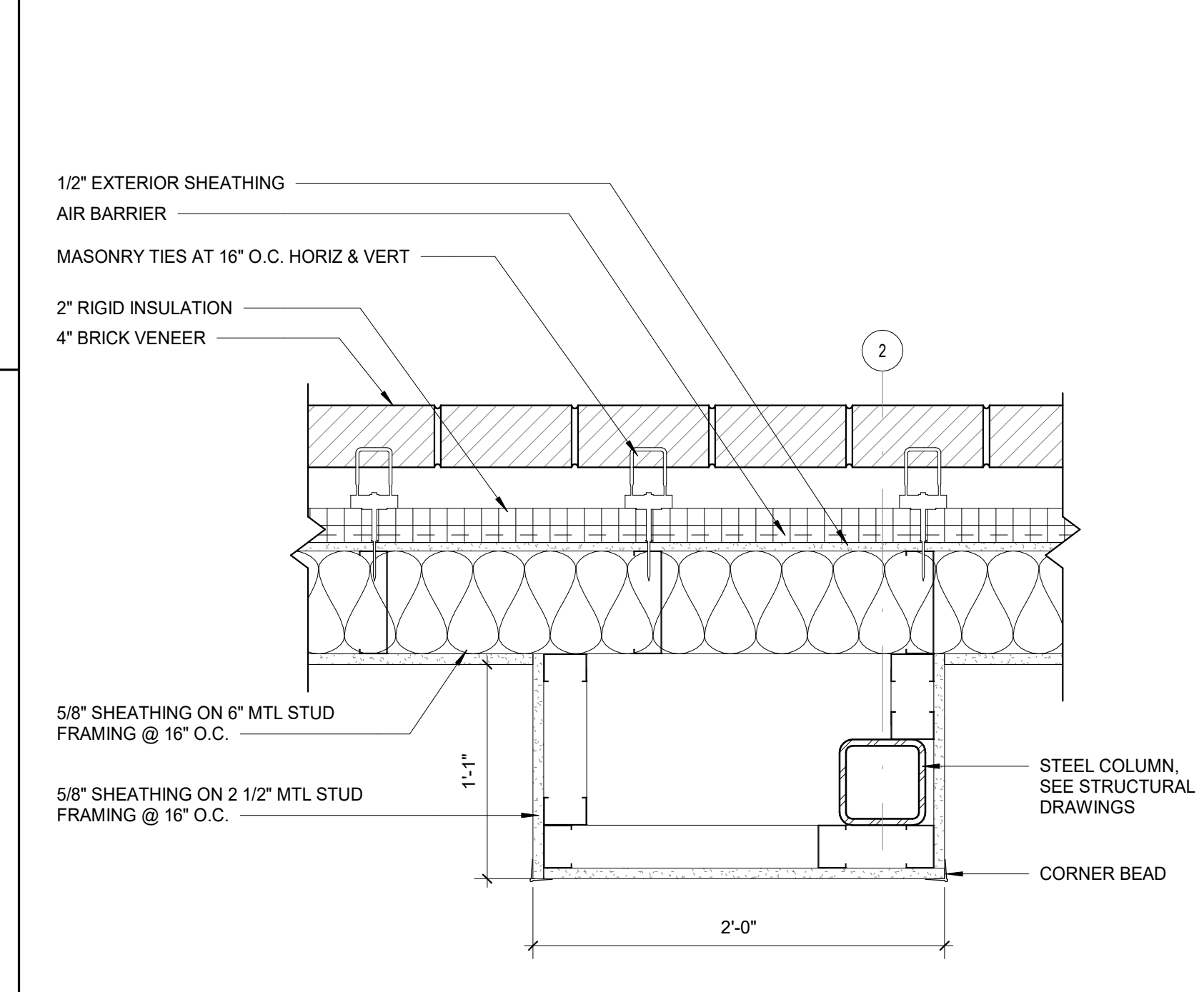
**H3** PLAN DETAIL - AREA A @ A113  
1 1/2" = 1'-0"



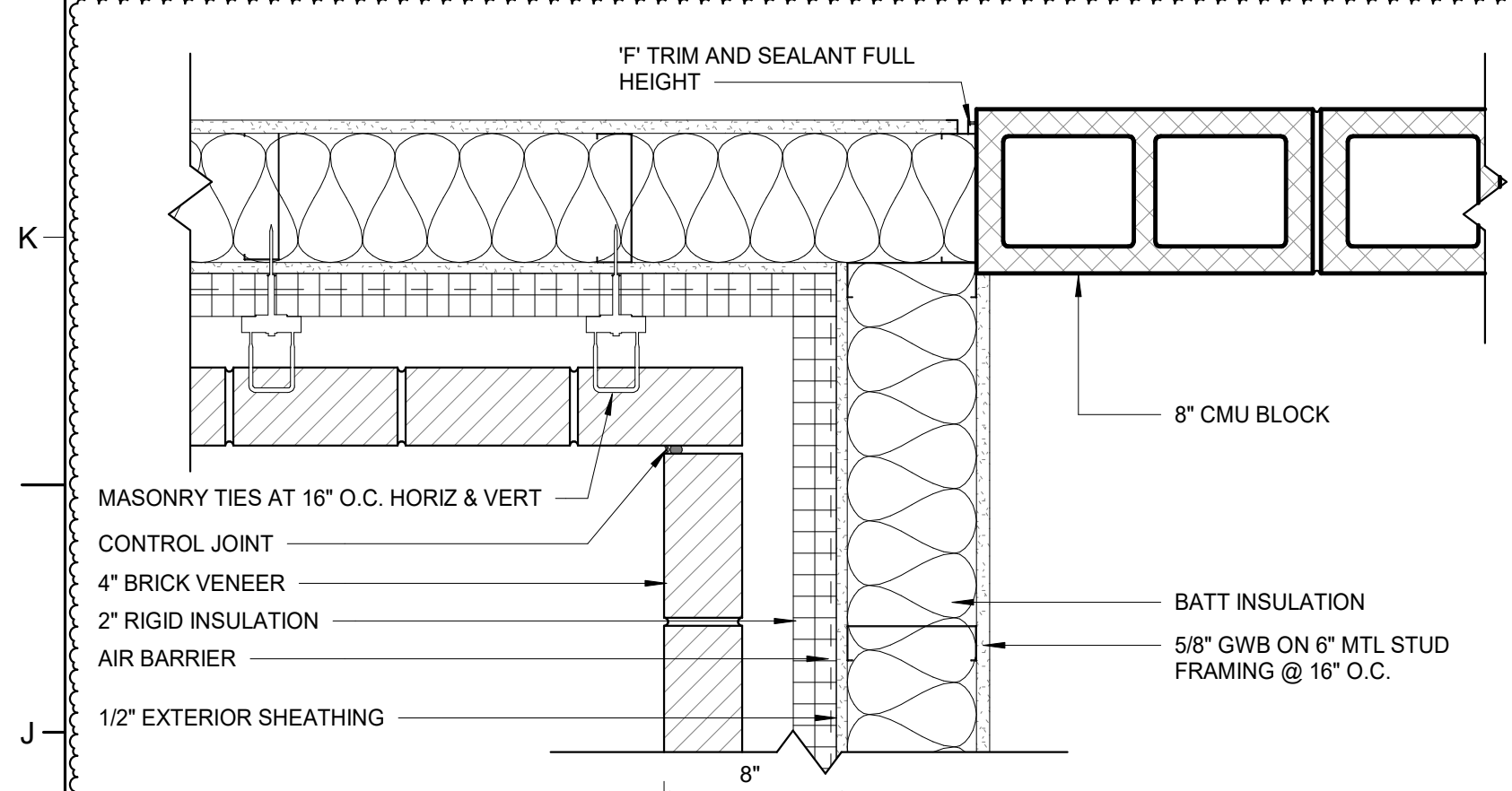
**F3** PLAN DETAIL - AREA A @ A110  
1 1/2" = 1'-0"



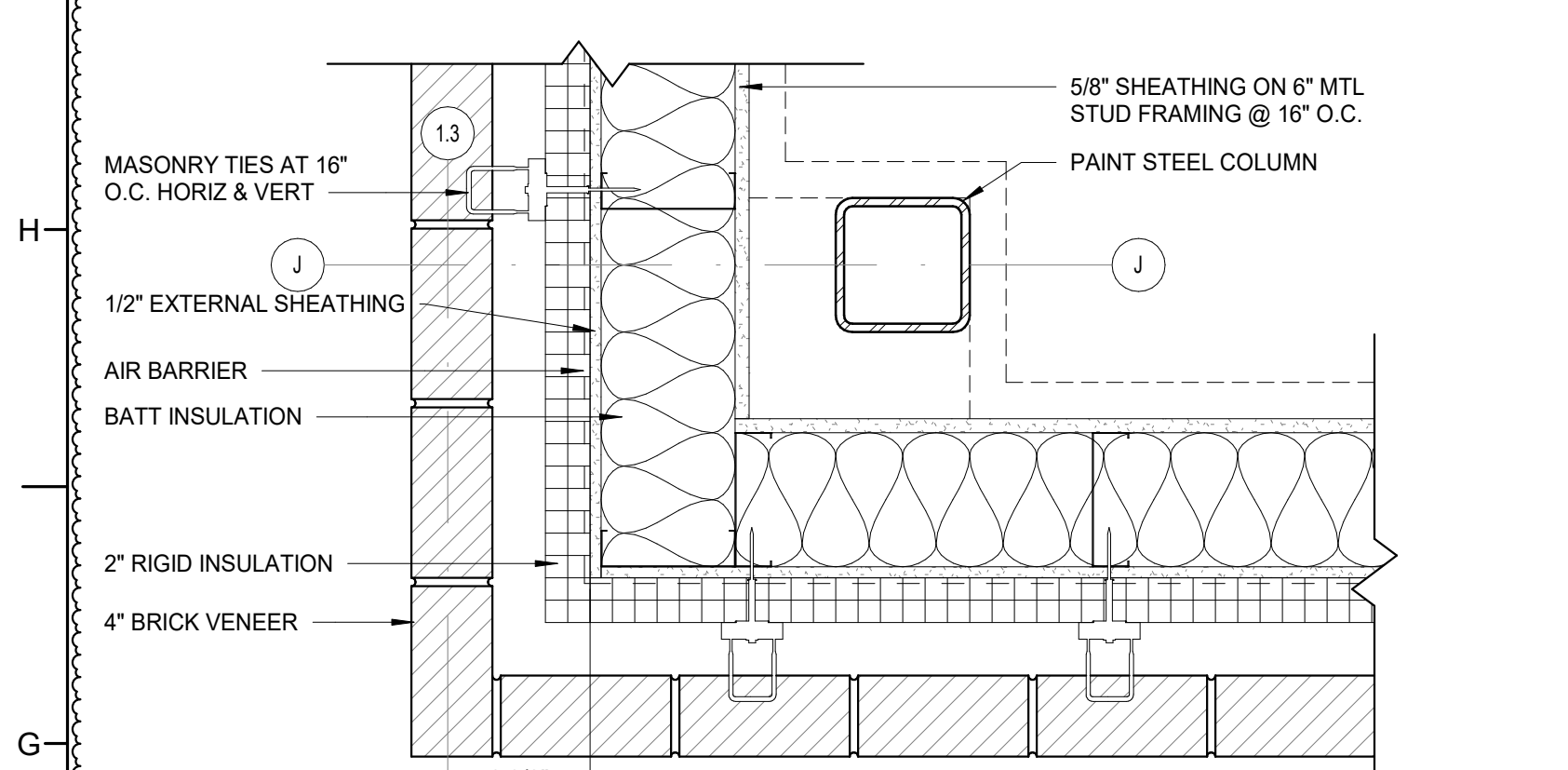
**D3** PLAN DETAIL - AREA D @ TLT D116A  
1 1/2" = 1'-0"



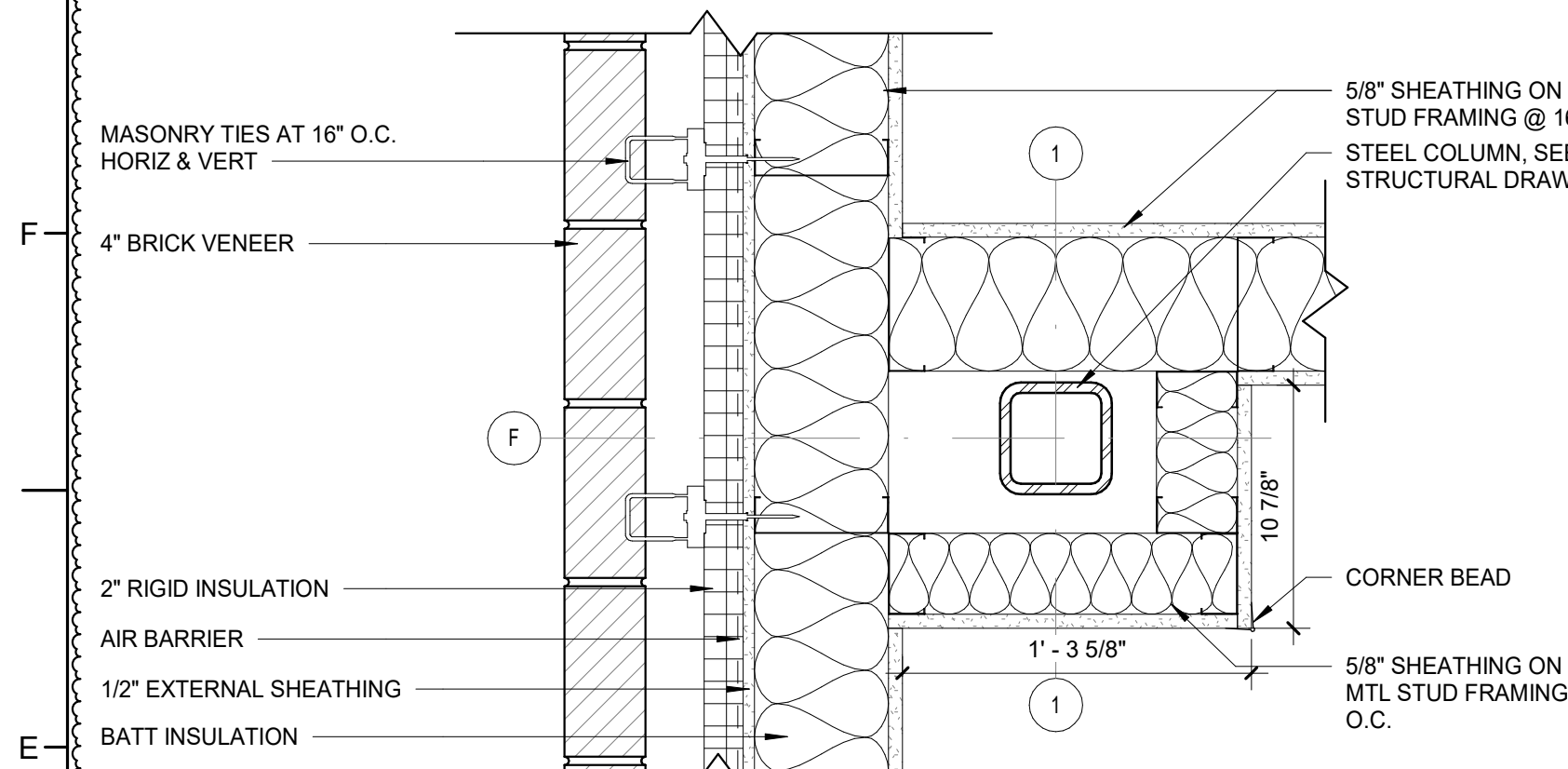
**A3** TYP BRICK ON MTL STUD INTERIOR CORNER  
1 1/2" = 1'-0"



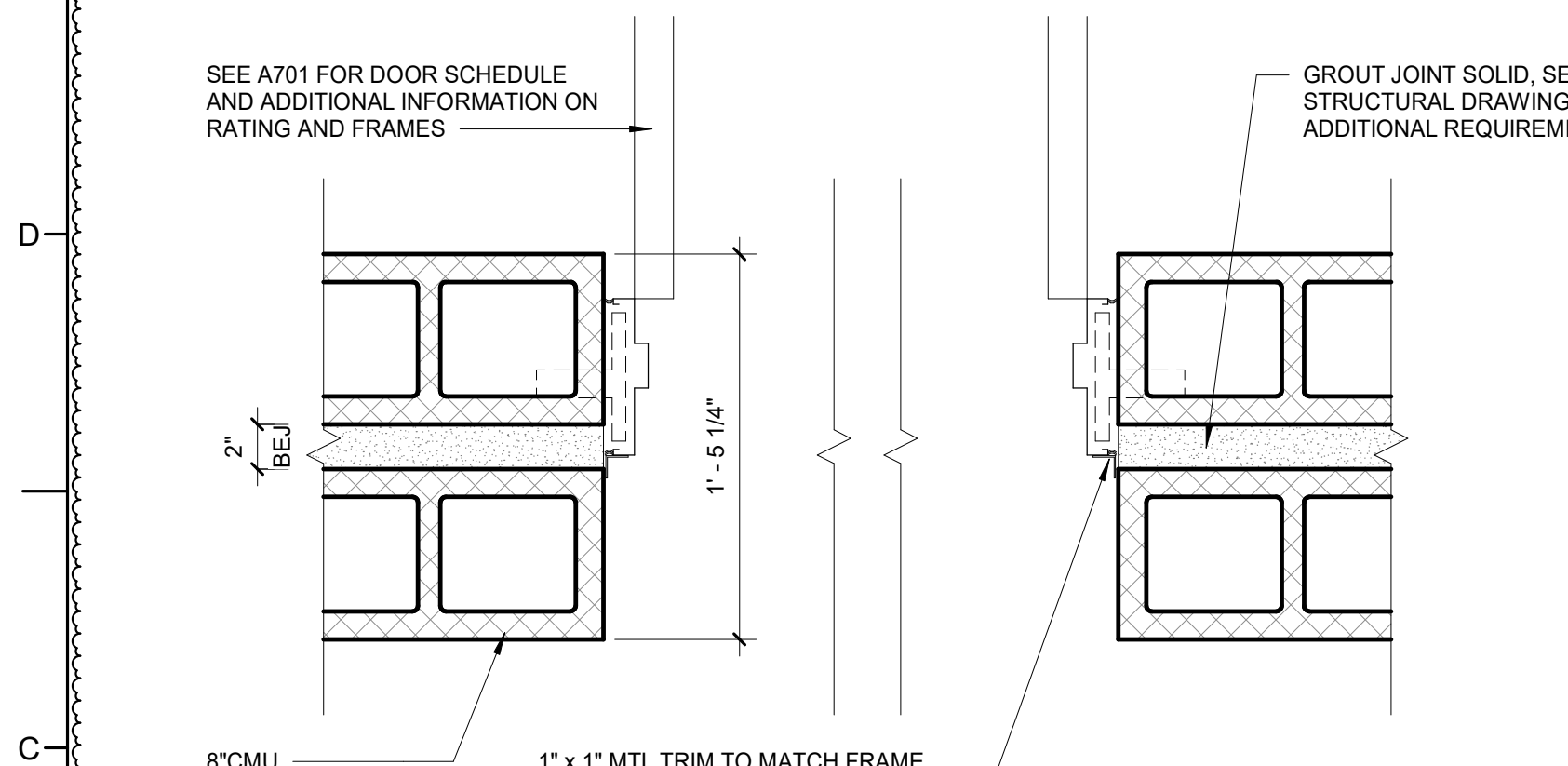
**J1** PLAN DETAIL - AREA A @ CLASSROOM A117 & STAIR S2  
1 1/2" = 1'-0"



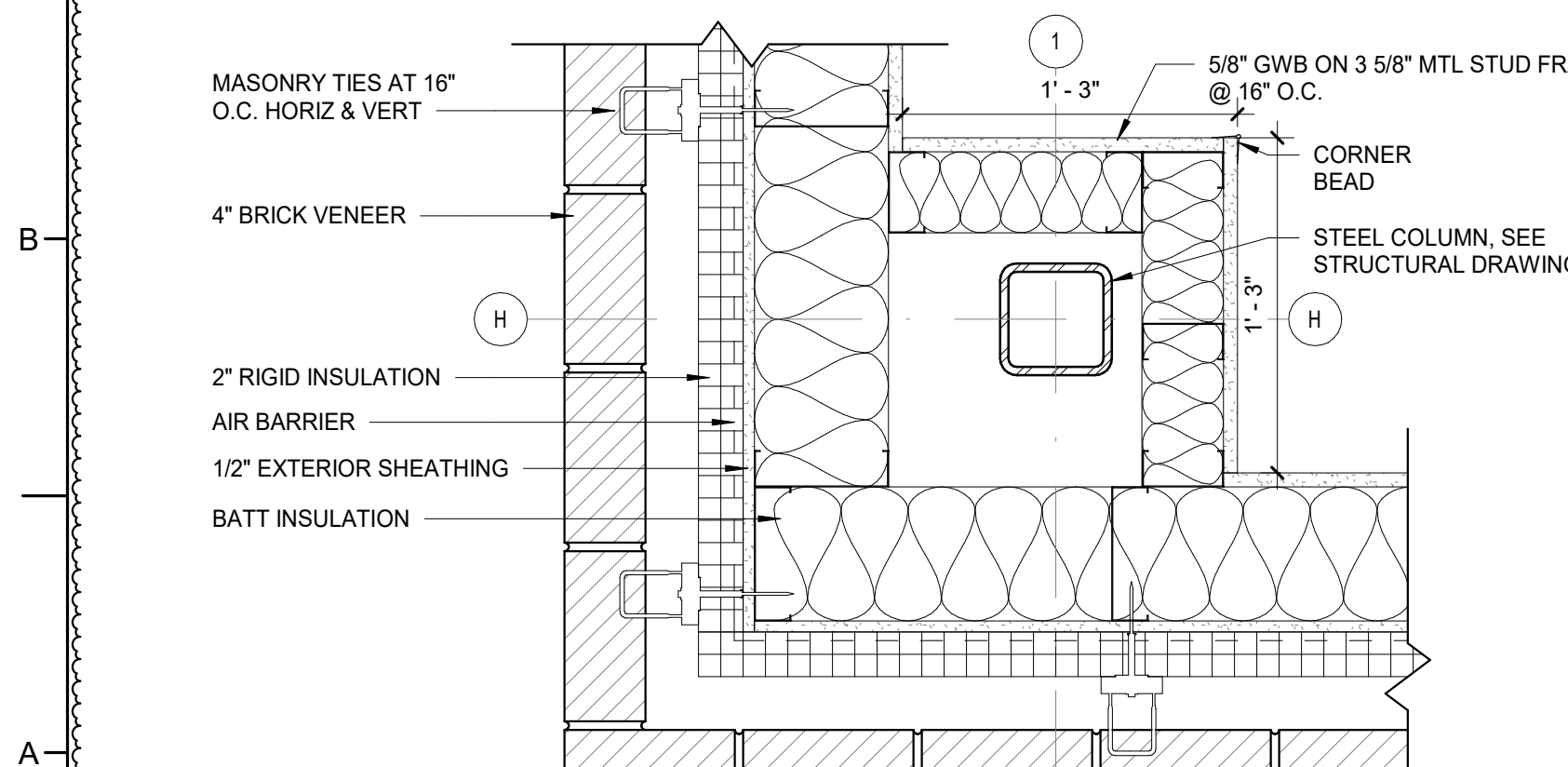
**G1** PLAN DETAIL - AREA A @ STAIR S2  
1 1/2" = 1'-0"



**E1** PLAN DETAIL - AREA A @ CLASSROOM A115  
1 1/2" = 1'-0"

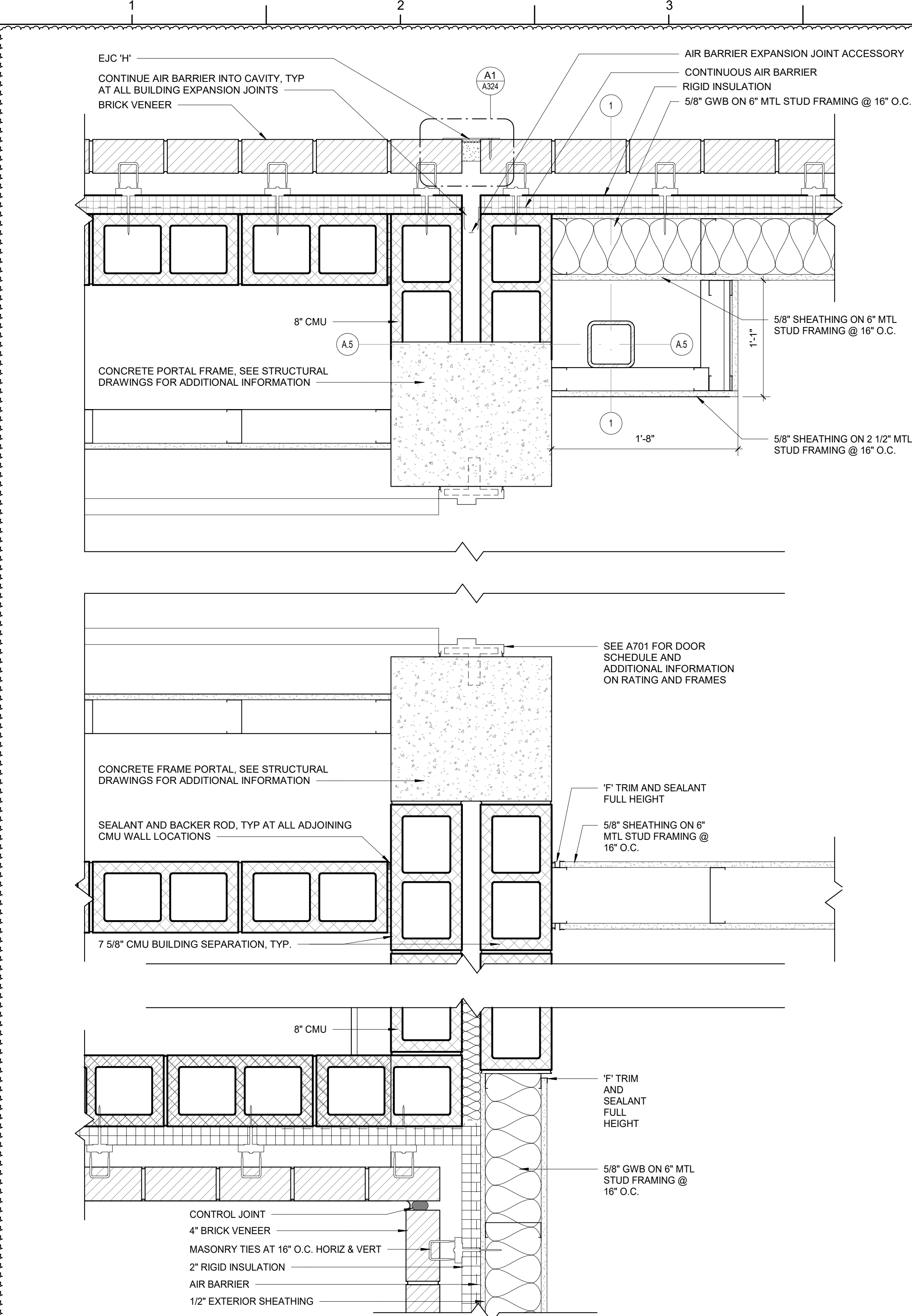


**C1** PLAN DETAIL - AREA D - DOOR AT BUILDING JOINT  
1 1/2" = 1'-0"

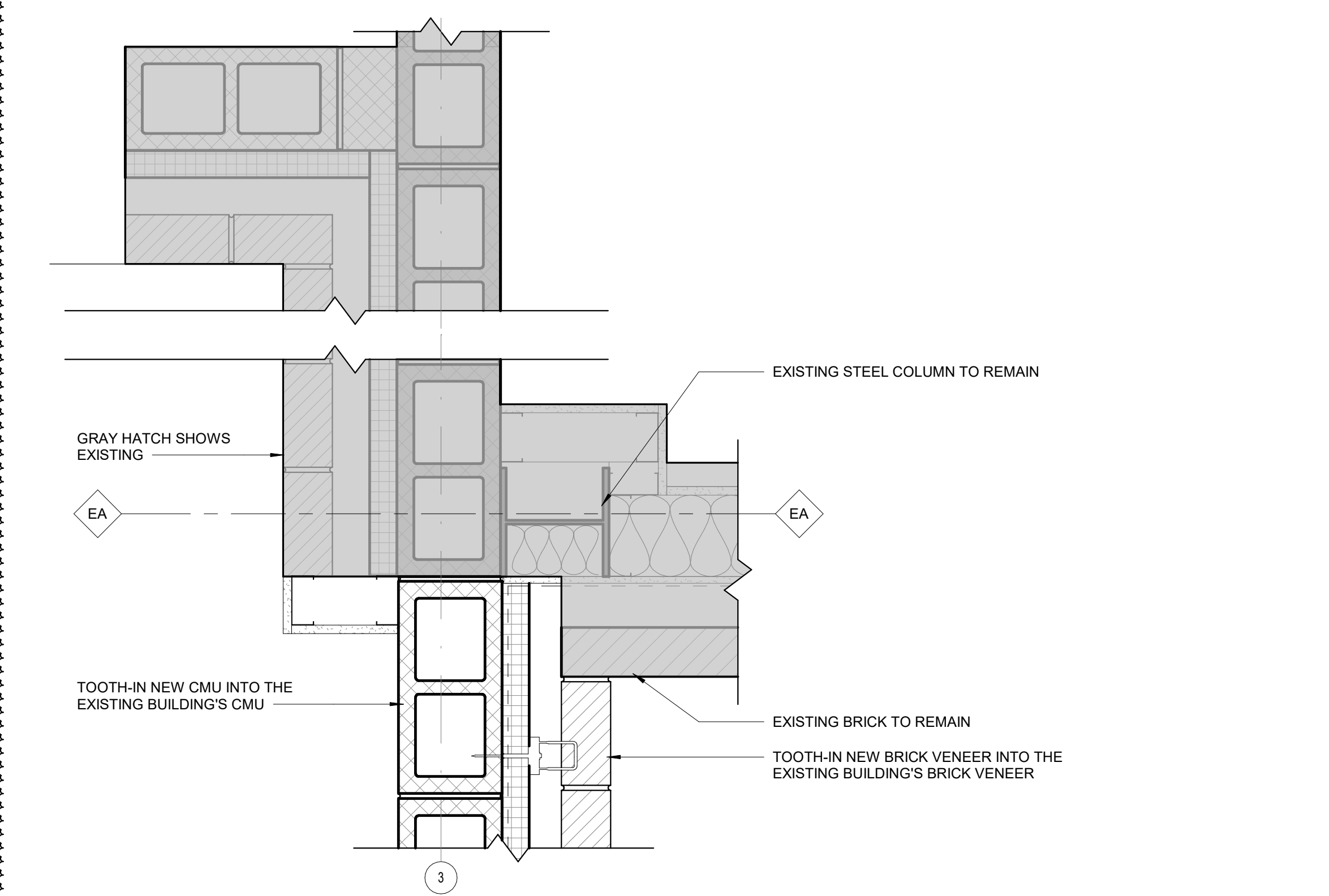


**A1** TYP BRICK ON MTL STUD EXTERIOR CORNER  
1 1/2" = 1'-0"

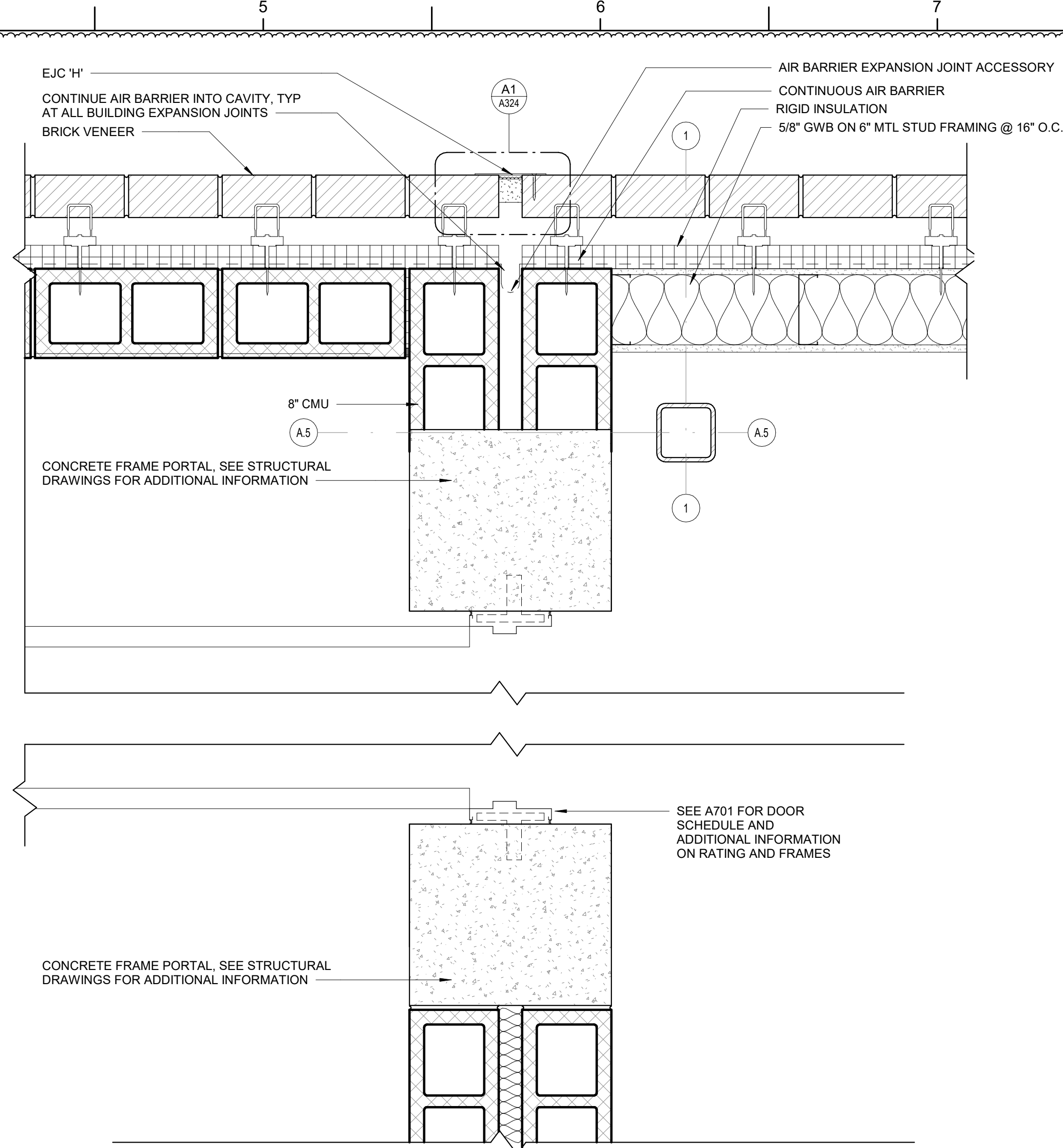




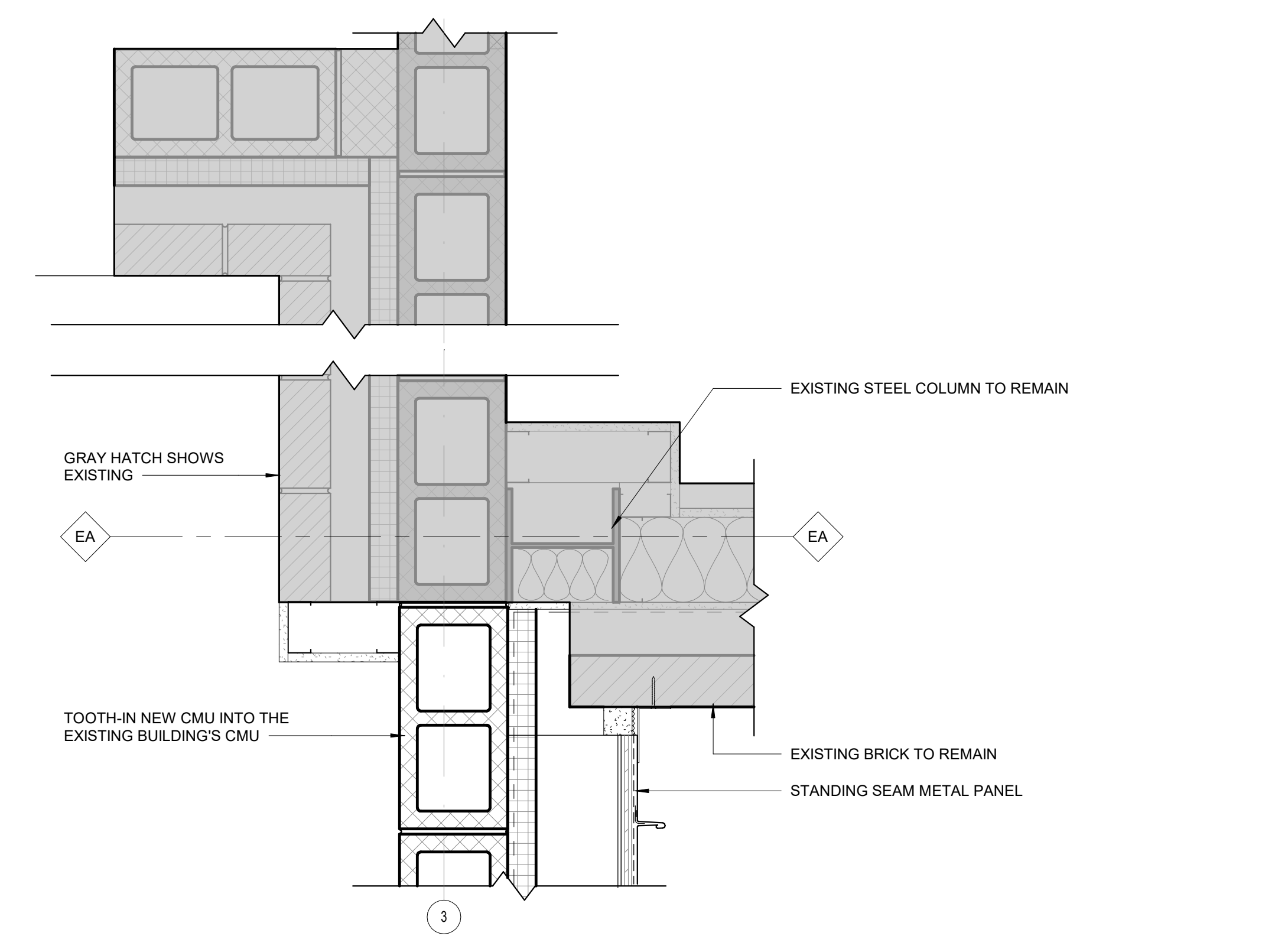
**D1** PLAN DETAIL - AREA A & C FIRST FLOOR @ FIRE WALL AND BUILDING EXPANSION JOINT  
1 1/2" = 1'-0"



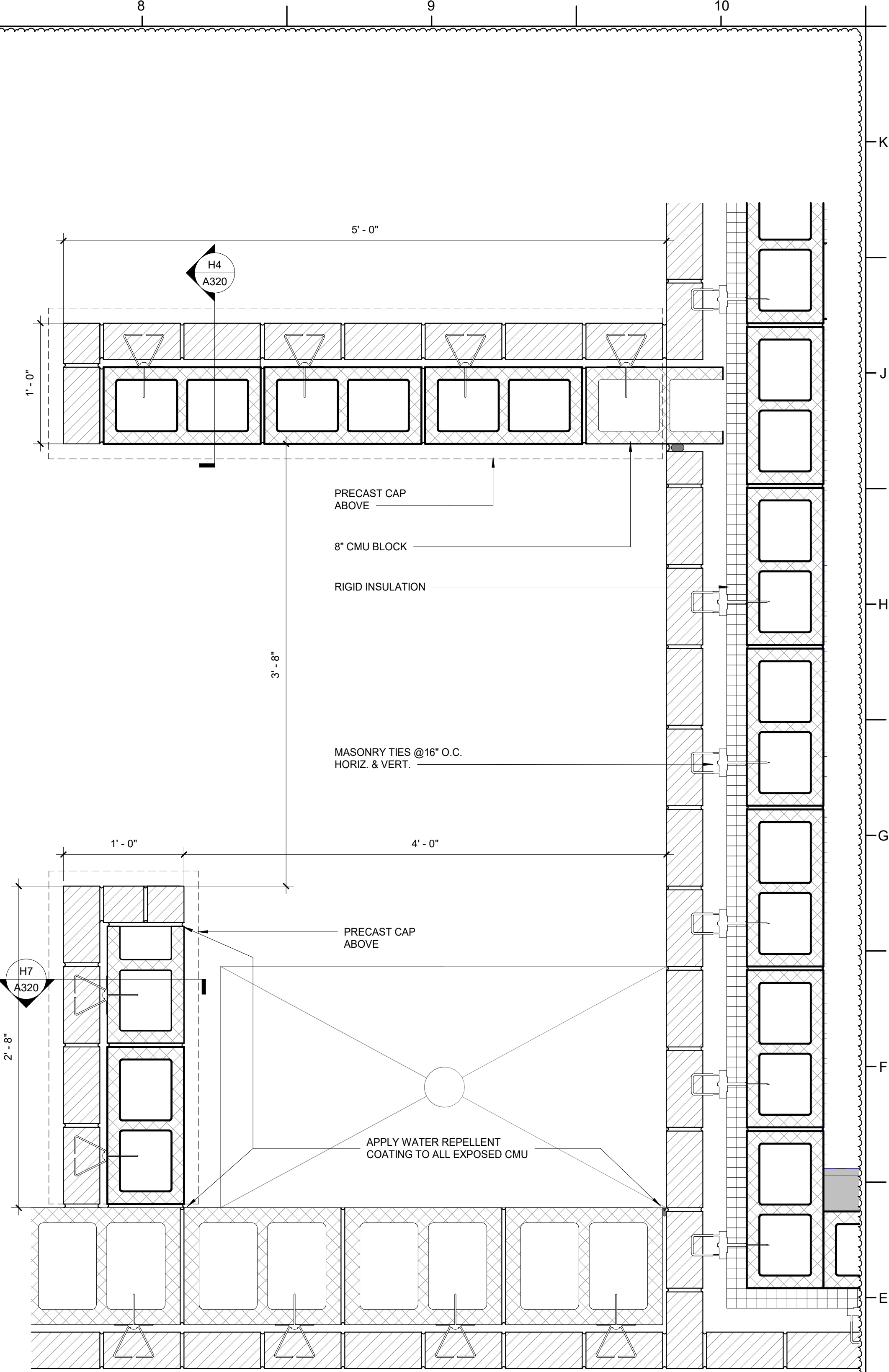
**A1** PLAN DETAIL - AREA A/B BUILDING CONNECTION - BID ALT NO. 2 - BOTTOM  
1 1/2" = 1'-0"



**F4** PLAN DETAIL - AREA A & C SECOND FLOOR @ FIRE WALL AND BUILDING EXPANSION JOINT  
1 1/2" = 1'-0"

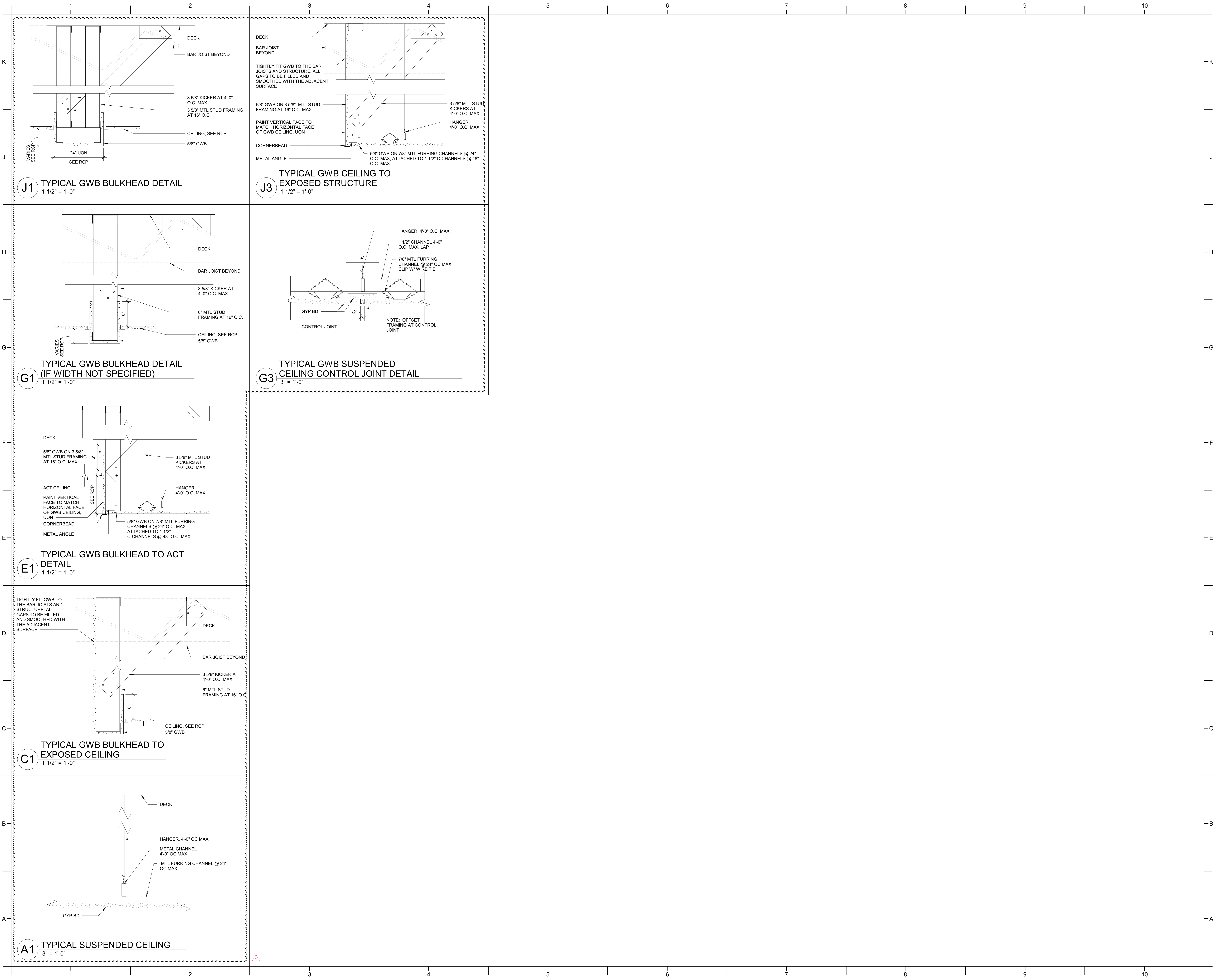


**A4** PLAN DETAIL - AREA A/B BUILDING CONNECTION - BID ALT NO. 2 - ABOVE CEILING  
1 1/2" = 1'-0"



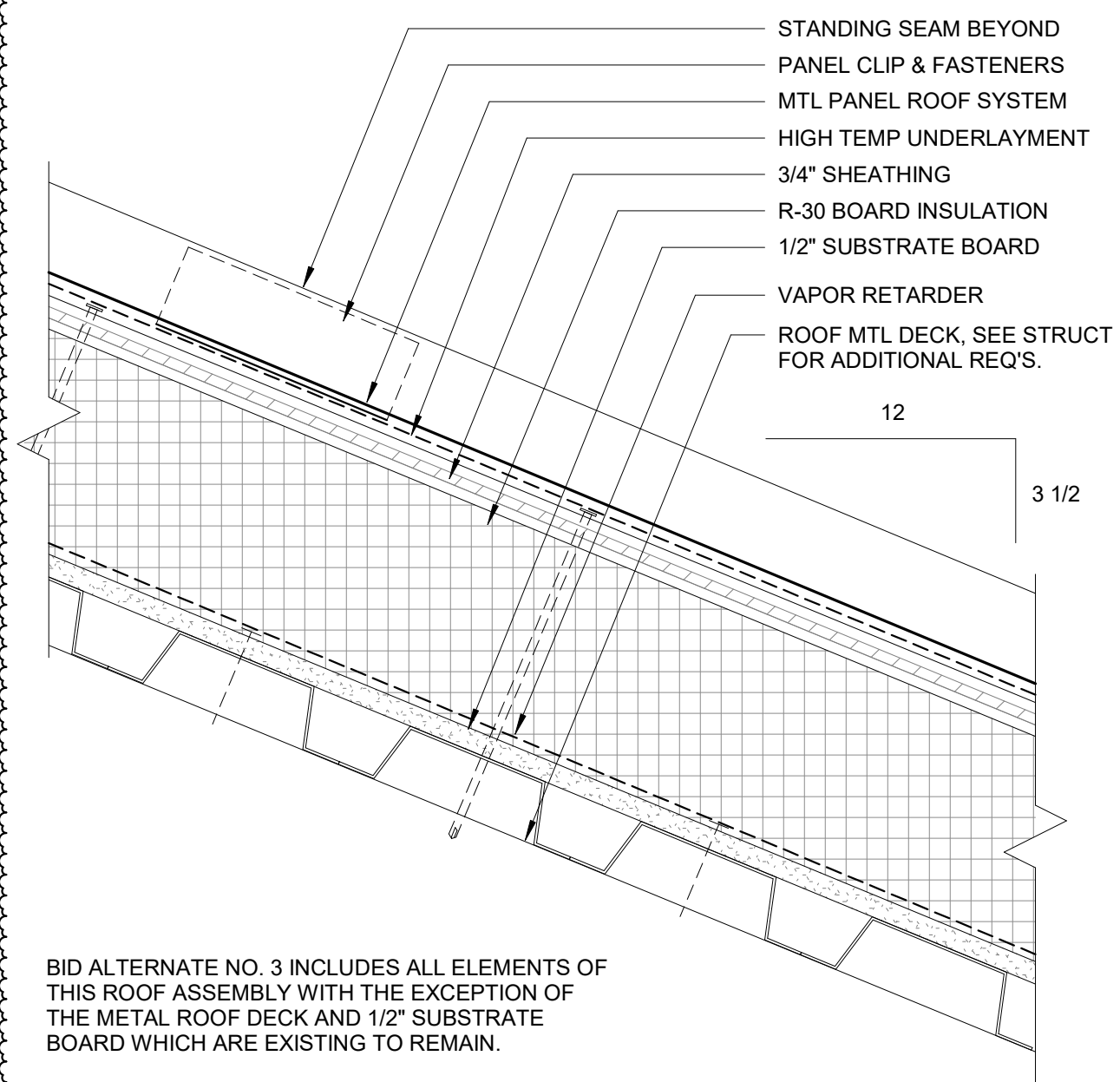
**D8** PLAN DETAIL - AREA D @ CAN WASH  
1 1/2" = 1'-0"



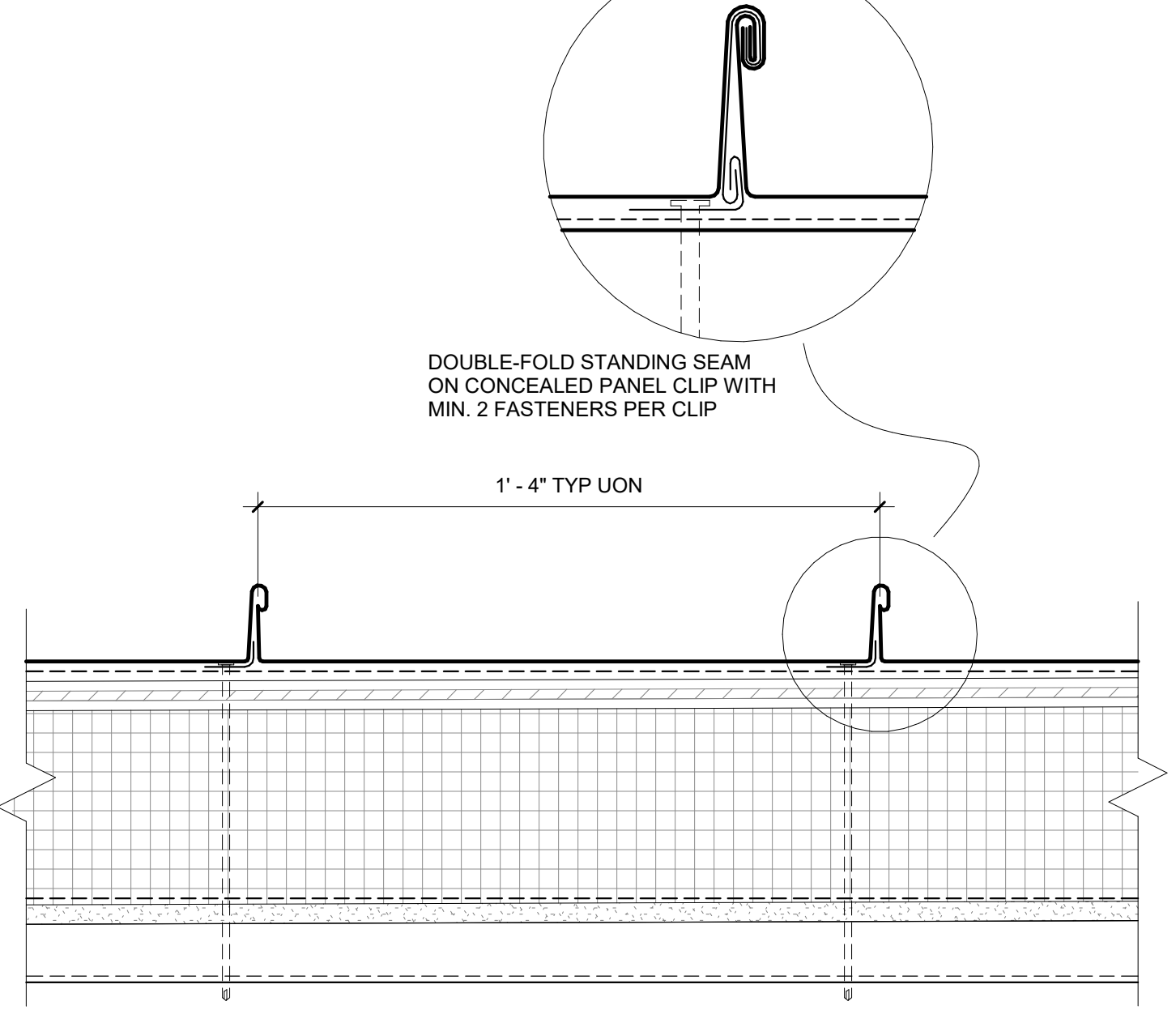


1	ADDENDUM #1	2/3/2025

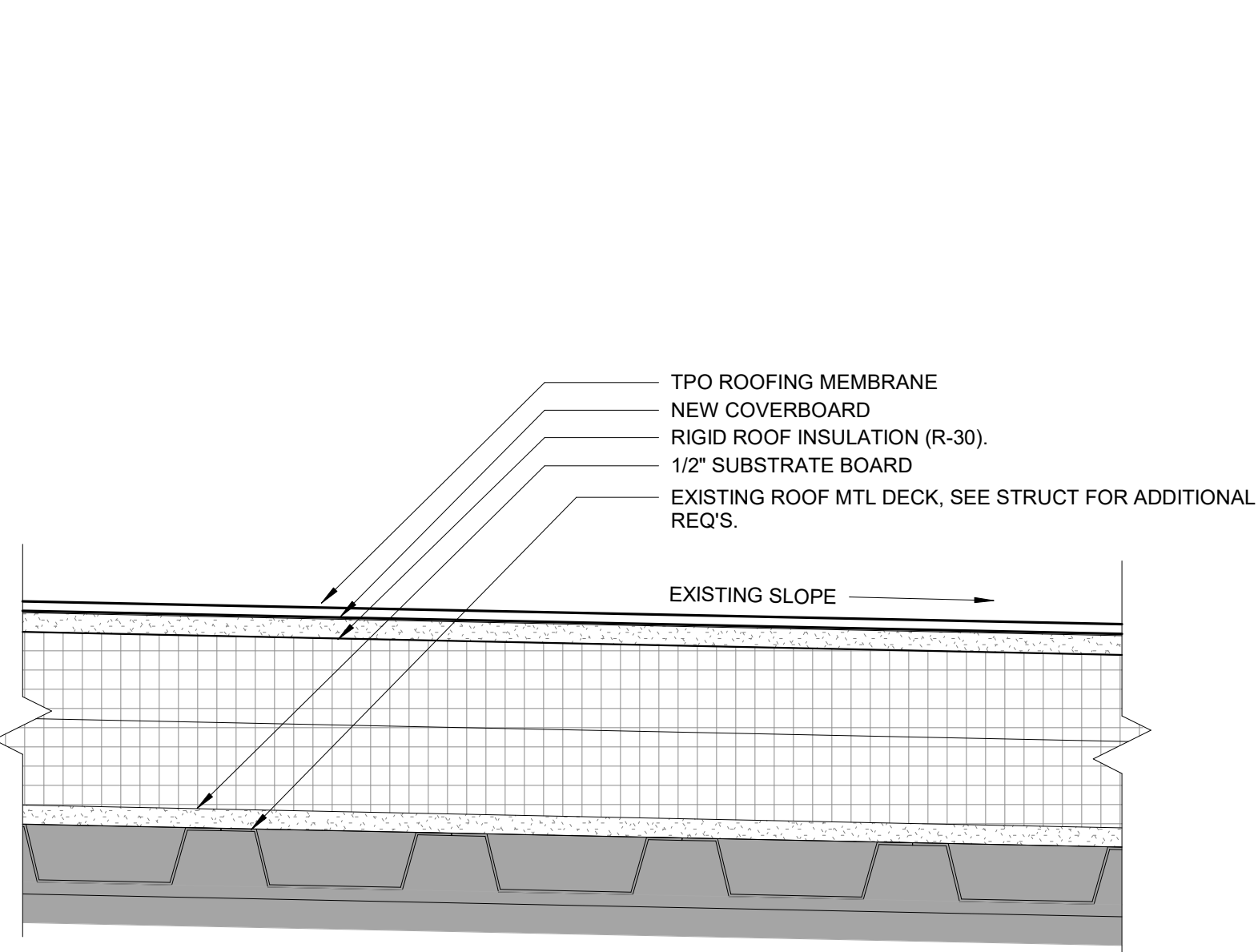




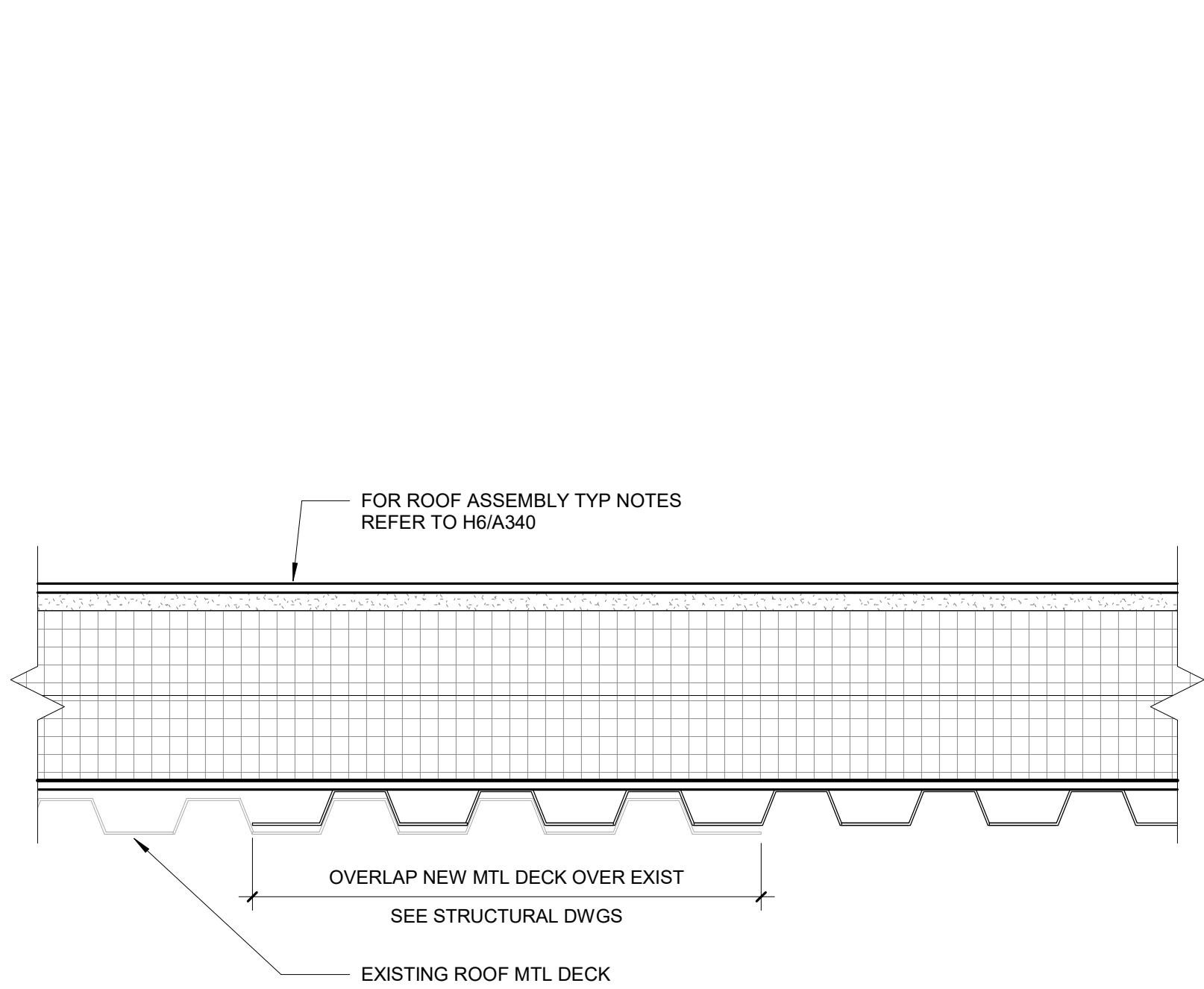
**H1** TYP ROOF ASSEMBLY SECTION AT STEEP SLOPE  
3" = 1'-0"



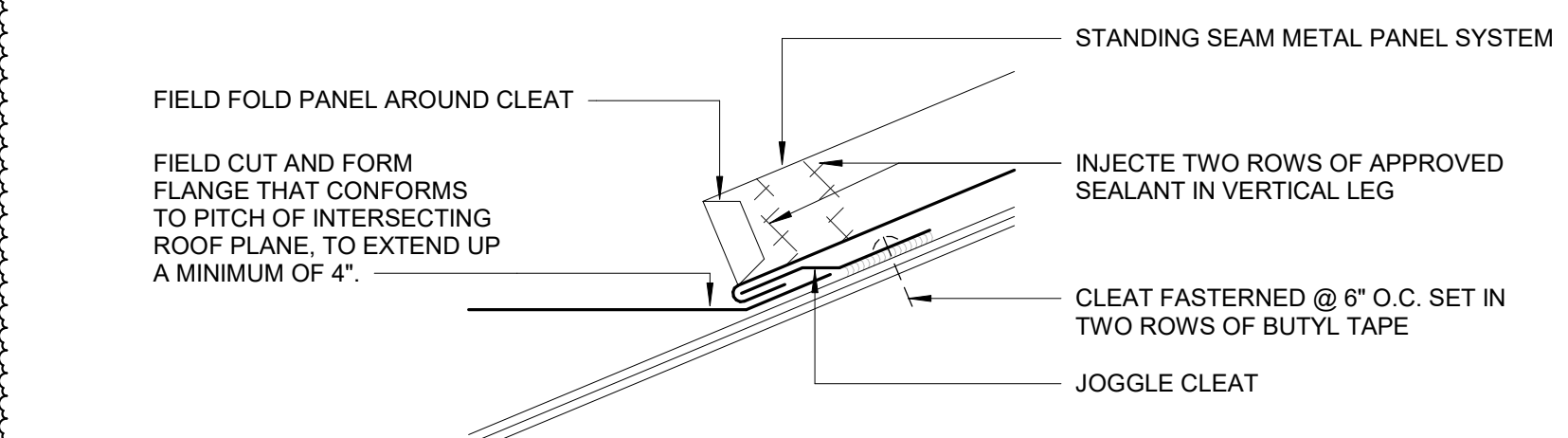
**H3** TYP ROOF ASSEMBLY CROSS SECTION AT STEEP SLOPE  
3" = 1'-0"



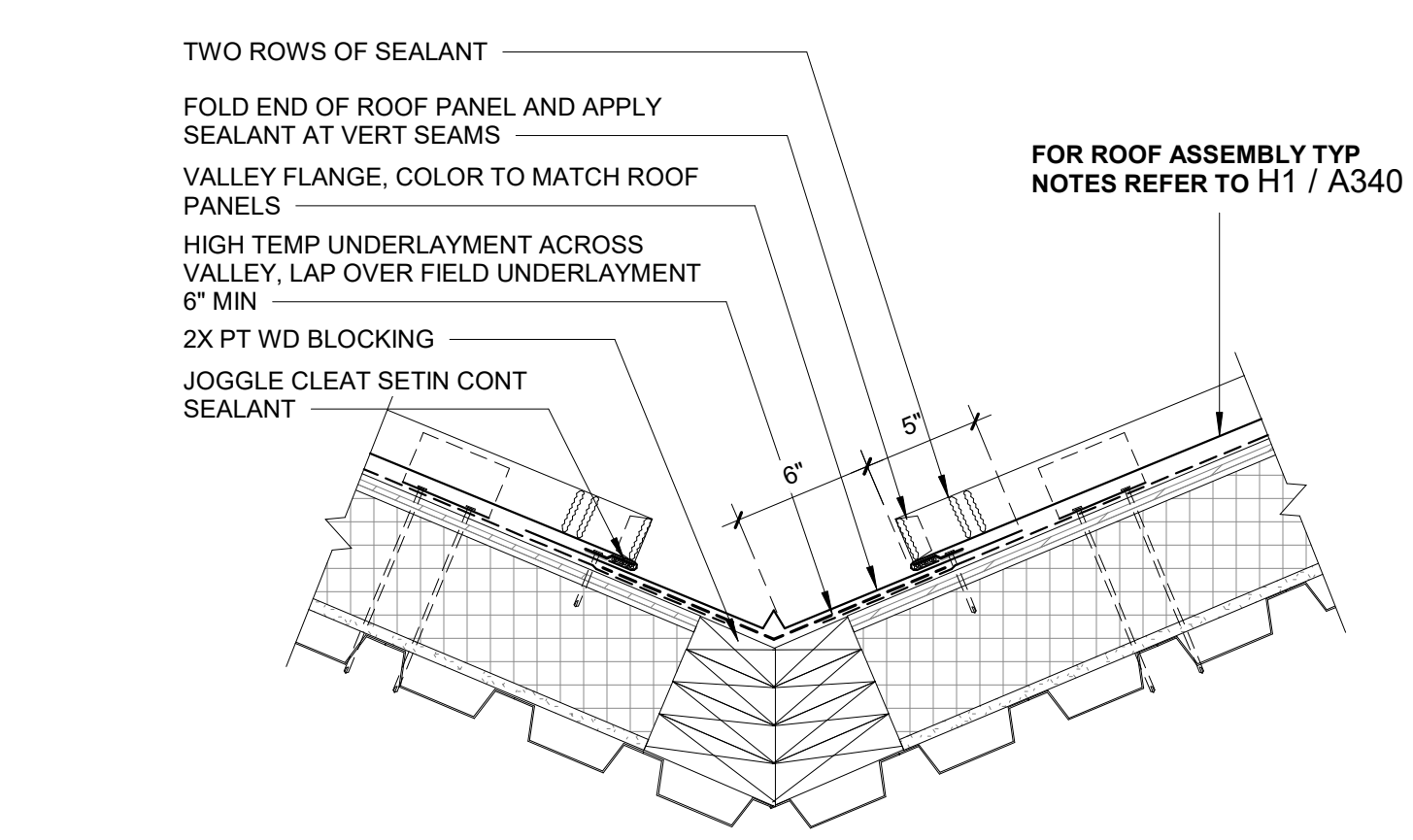
**H6** TYP ROOF ASSEMBLY AT LOW-SLOPE  
3" = 1'-0"



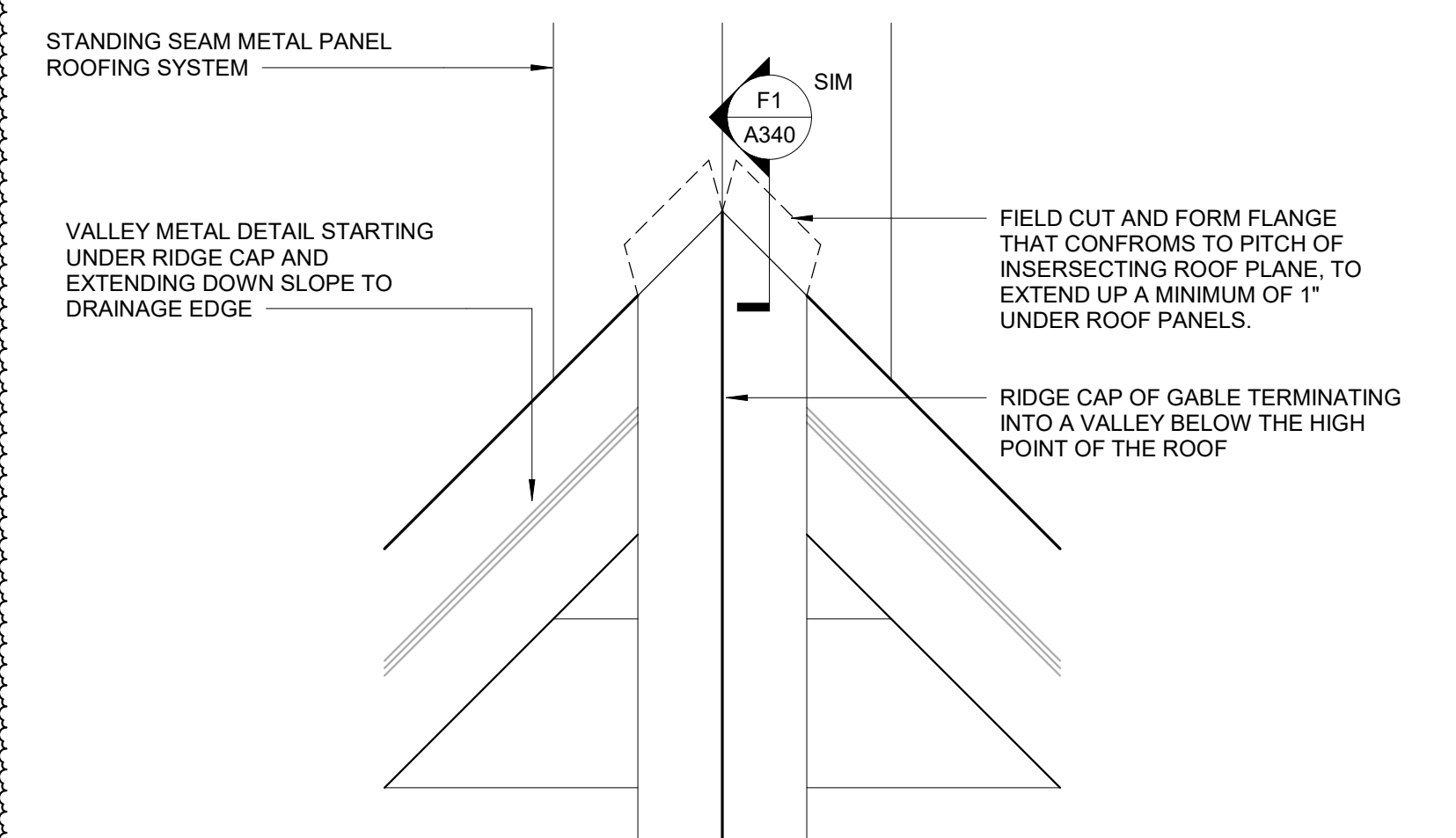
**H8** TYP ROOF PATCH DETAIL  
3" = 1'-0"



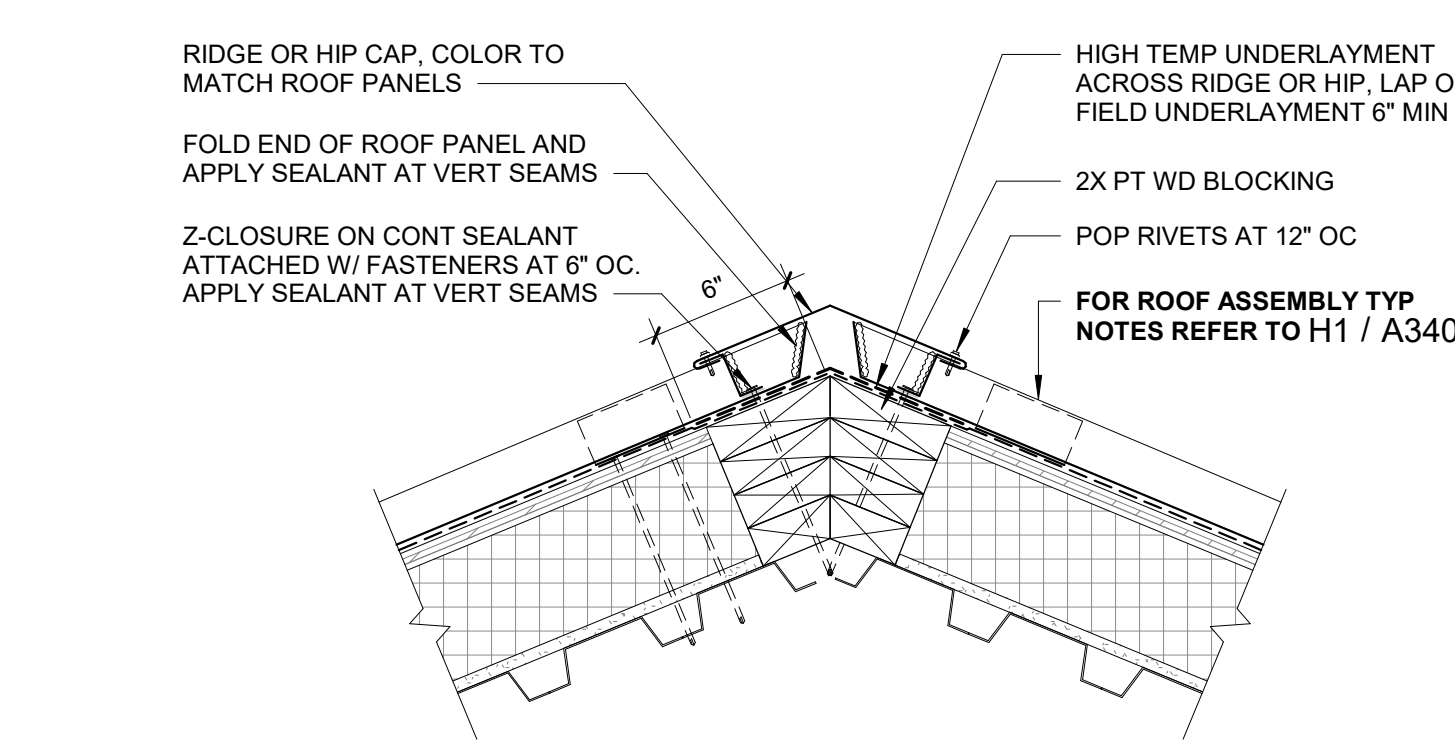
**F1** PANEL DETAIL AT RIDGE - INTERSECTION  
6" = 1'-0"



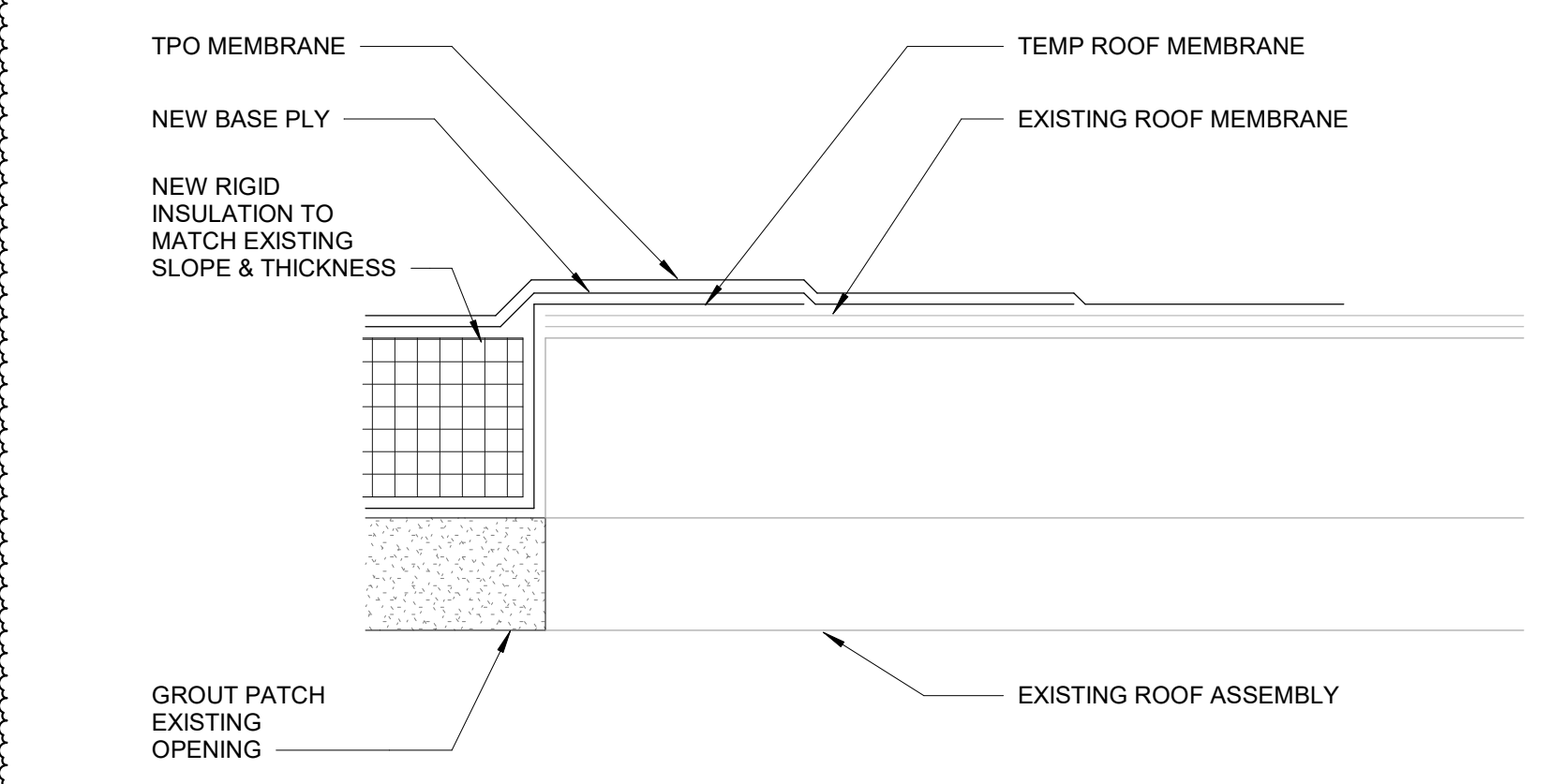
**F3** TYP ROOF VALLEY DETAIL  
1 1/2" = 1'-0"



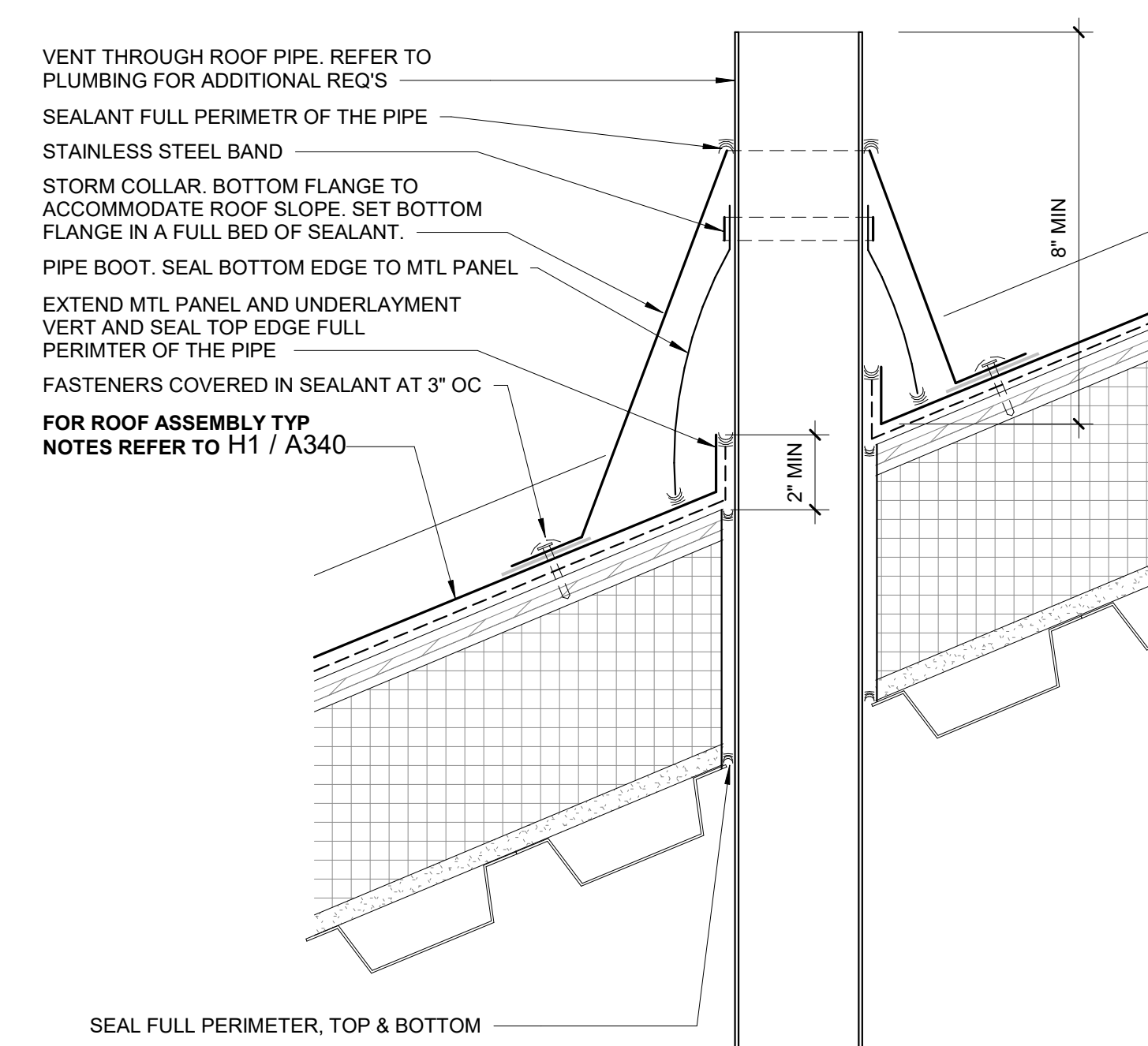
**D1** PANEL DETAIL AT RIDGE - VALLEY INTERSECTION  
1 1/2" = 1'-0"



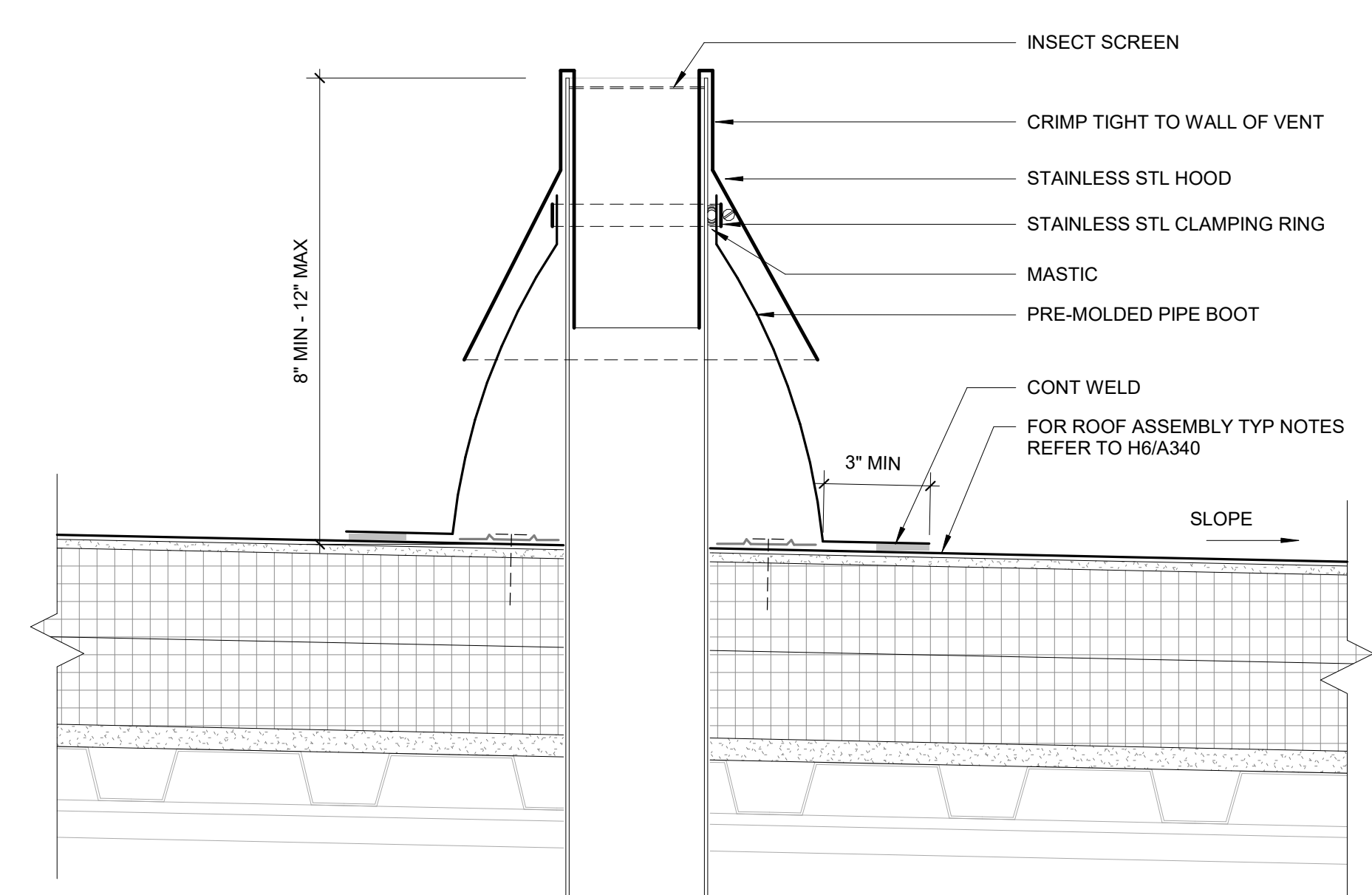
**D3** TYP ROOF RIDGE/HIP DETAIL  
1 1/2" = 1'-0"



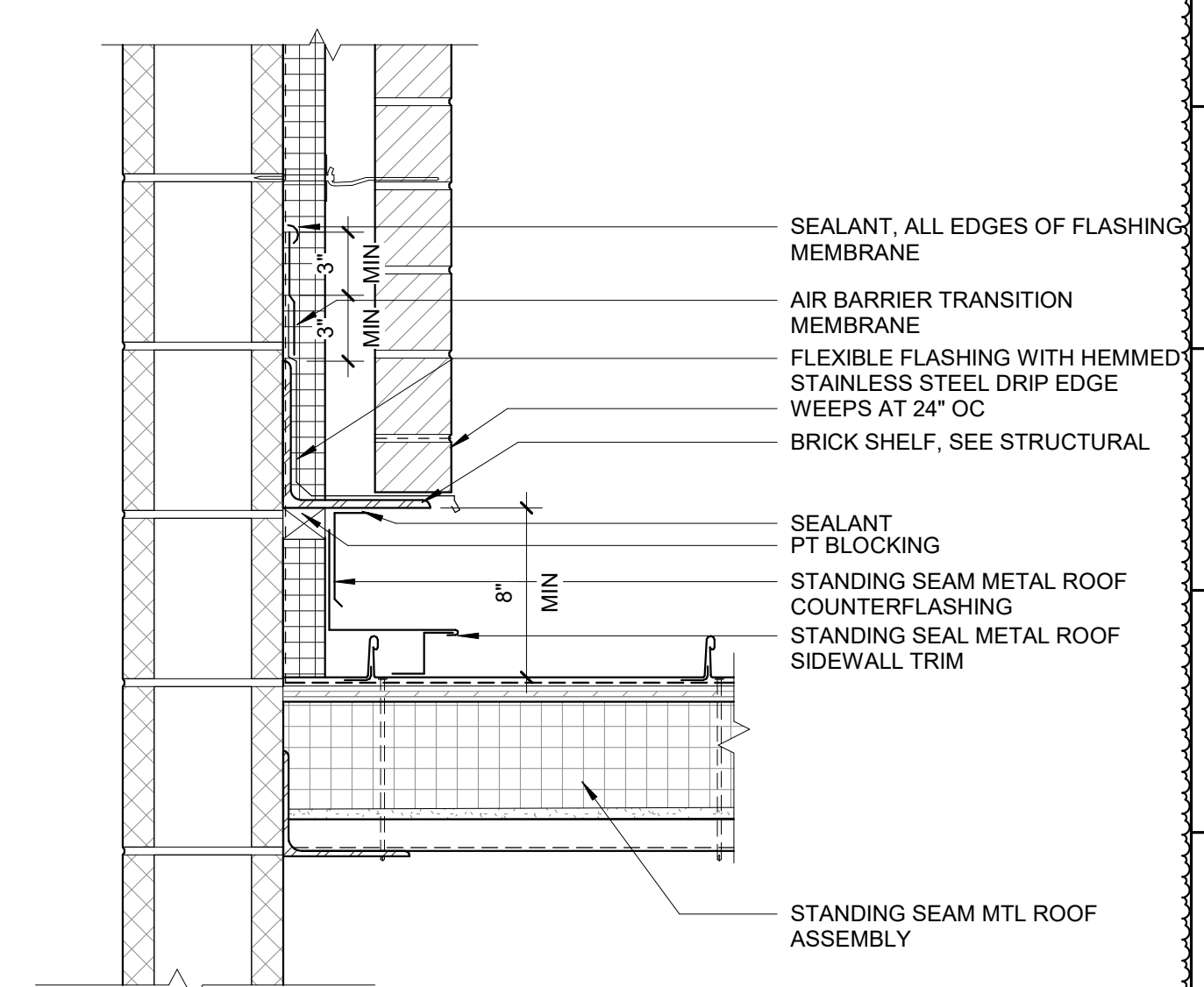
**A1** TYP ROOF PATCH  
3" = 1'-0"



**A3** TYP ROOF PENETRATION  
3" = 1'-0"

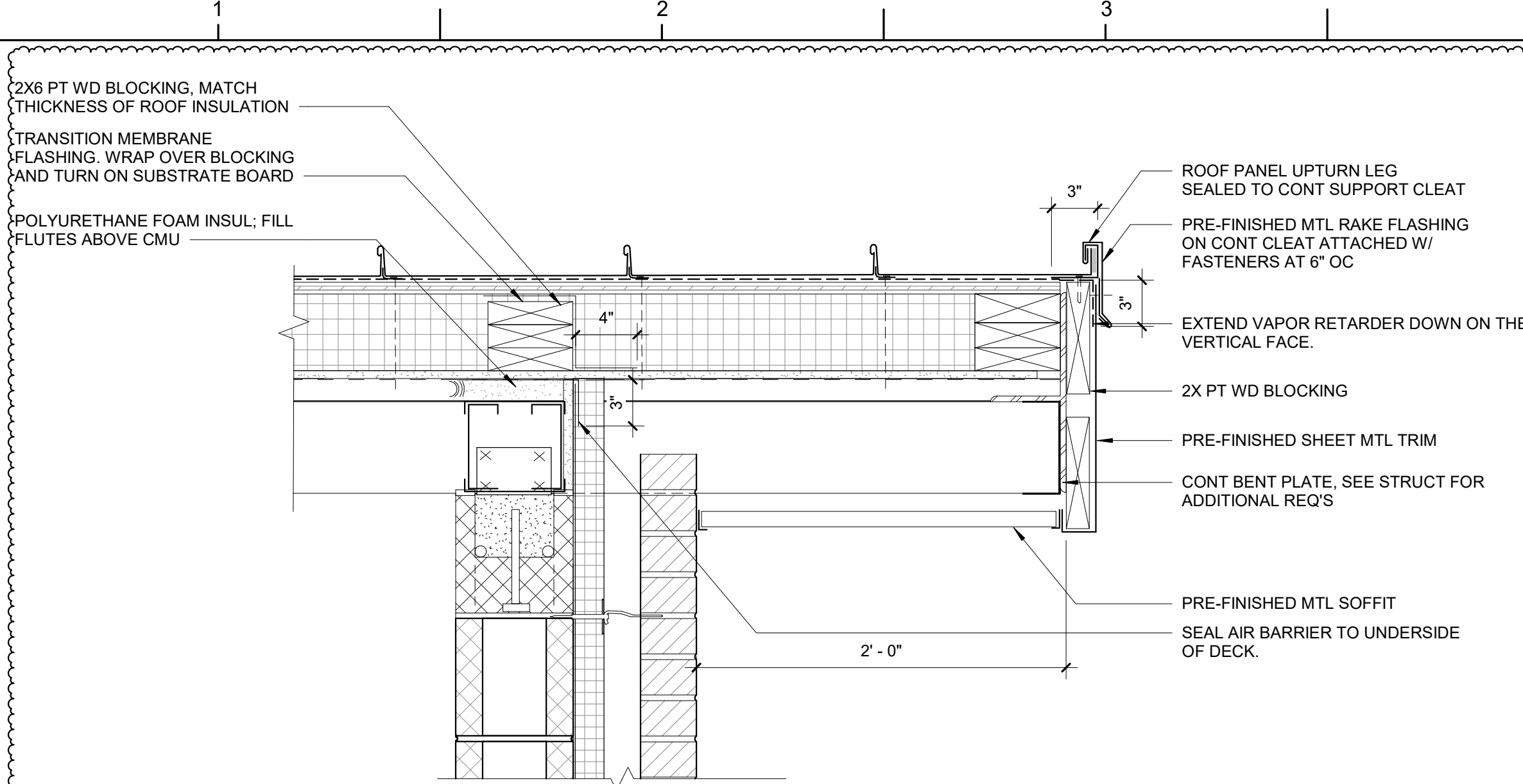


**A6** VENT THROUGH ROOF (VTR) DETAIL  
3" = 1'-0"

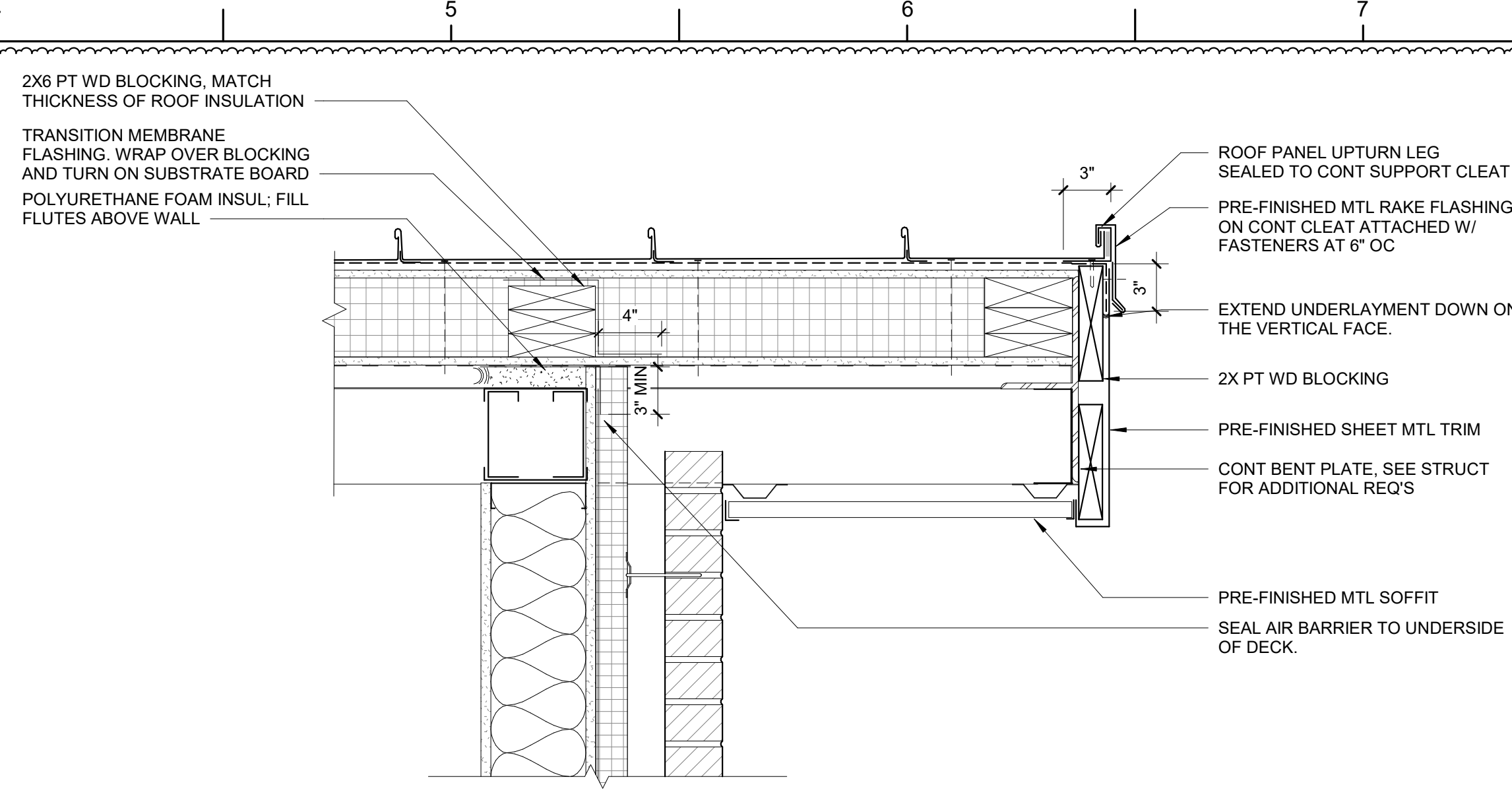


**A9** STANDING SEAM METAL ROOF SIDEWALL FLASHING  
1 1/2" = 1'-0"

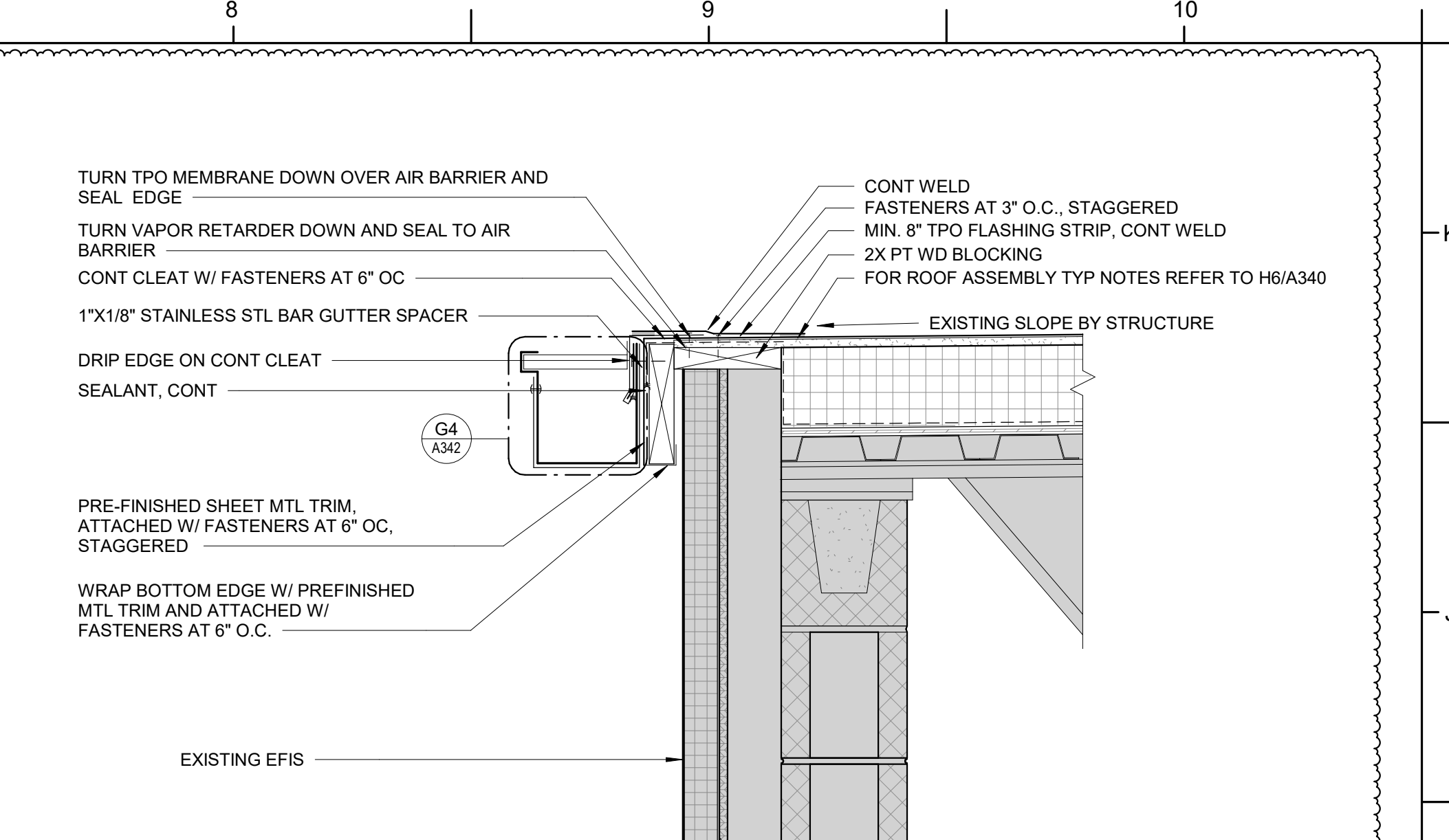




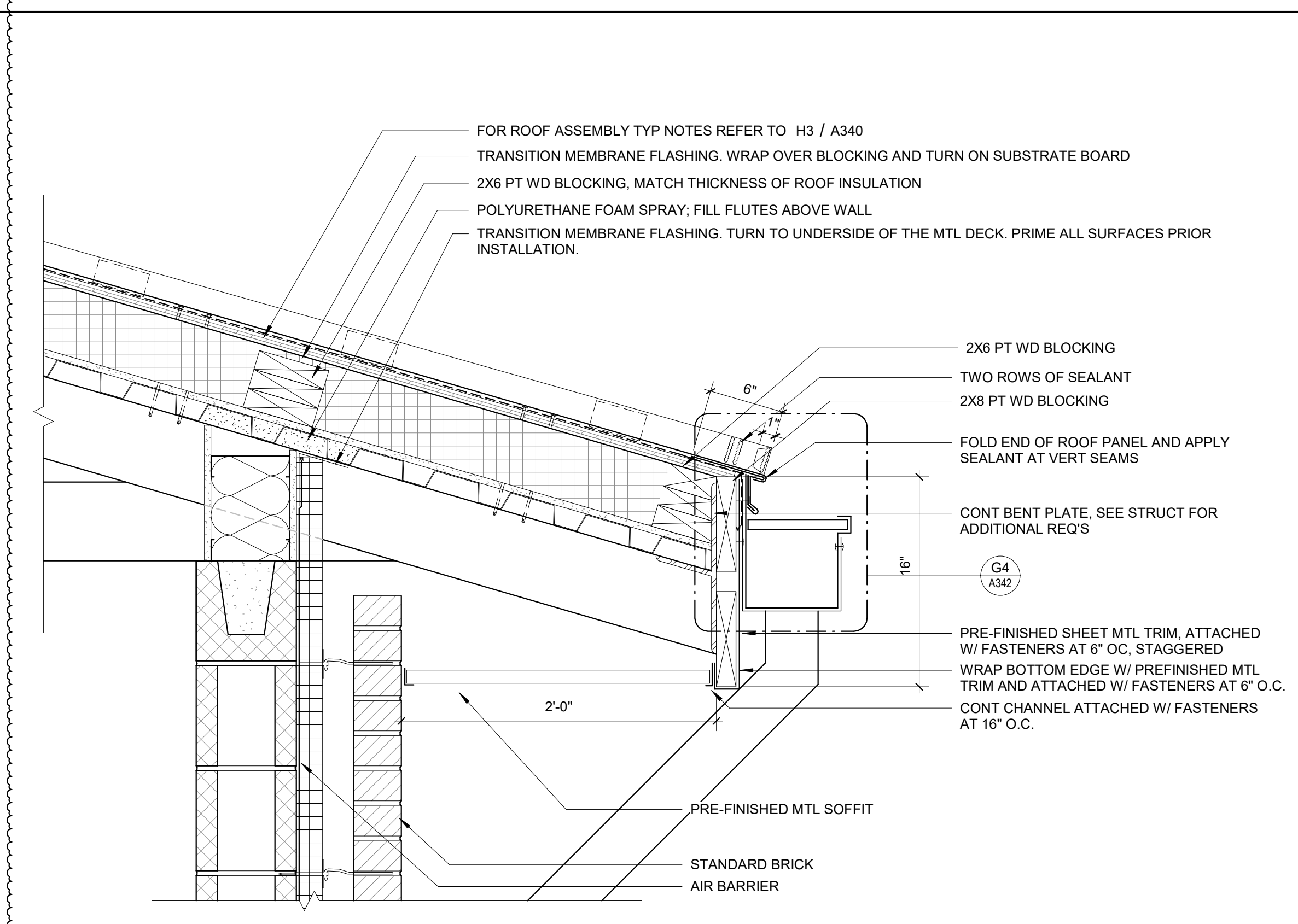
**H1** SECTION - ROOF OVERHANG DETAIL  
1 1/2" = 1'-0"



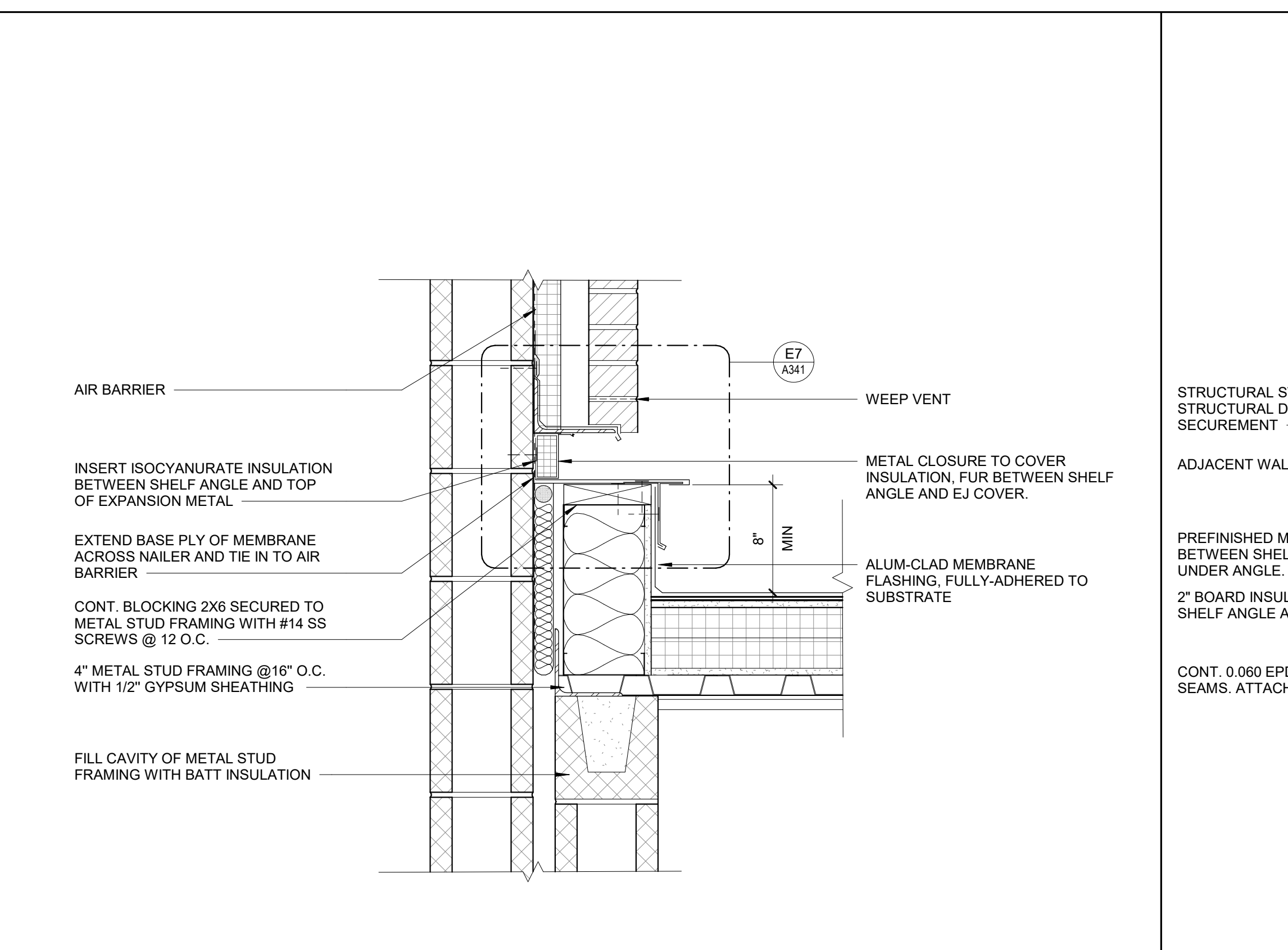
**H4** SECTION - ROOF OVERHANG DETAIL  
1 1/2" = 1'-0"



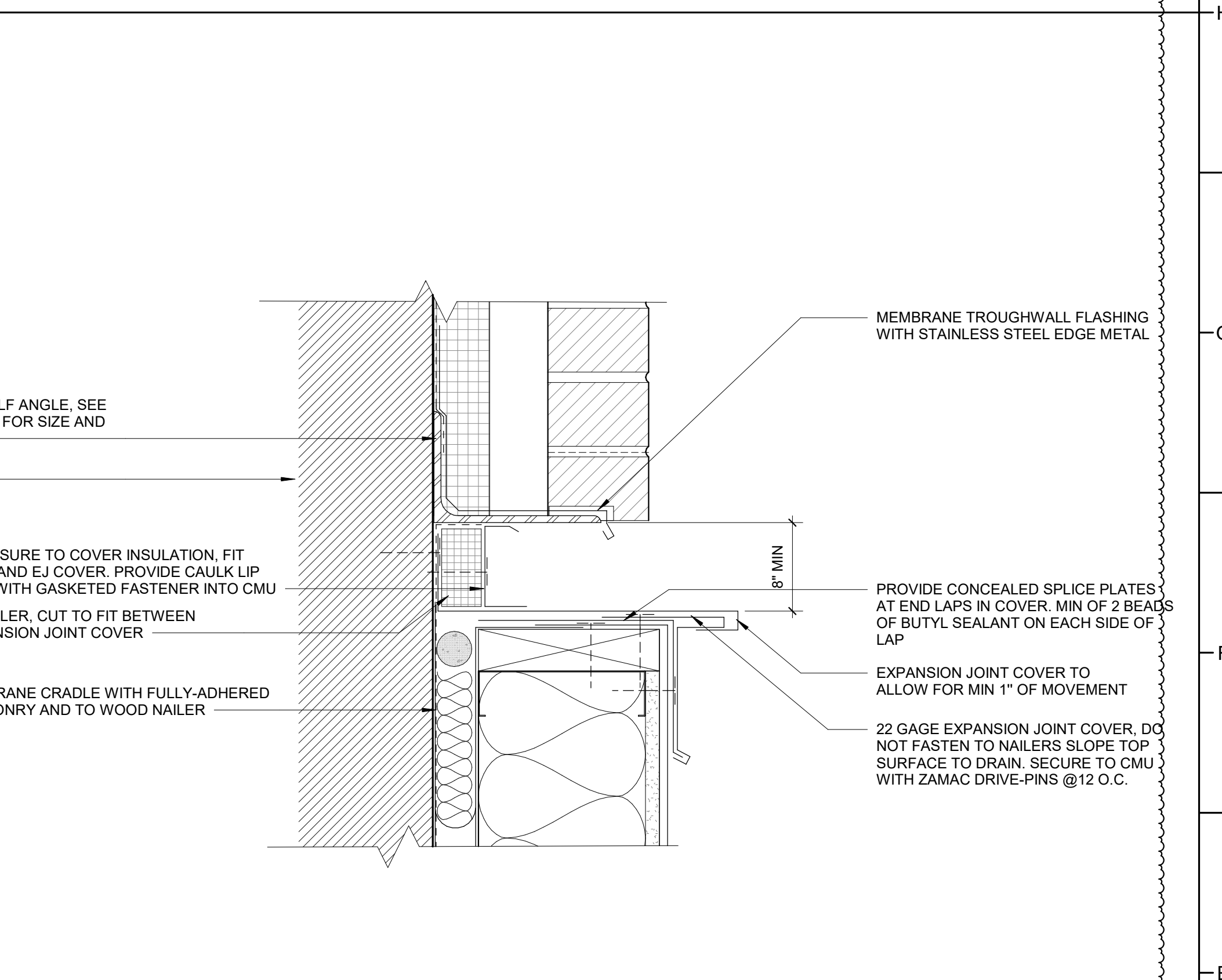
**H8** SECTION - ROOF EDGE DETAIL  
1 1/2" = 1'-0"



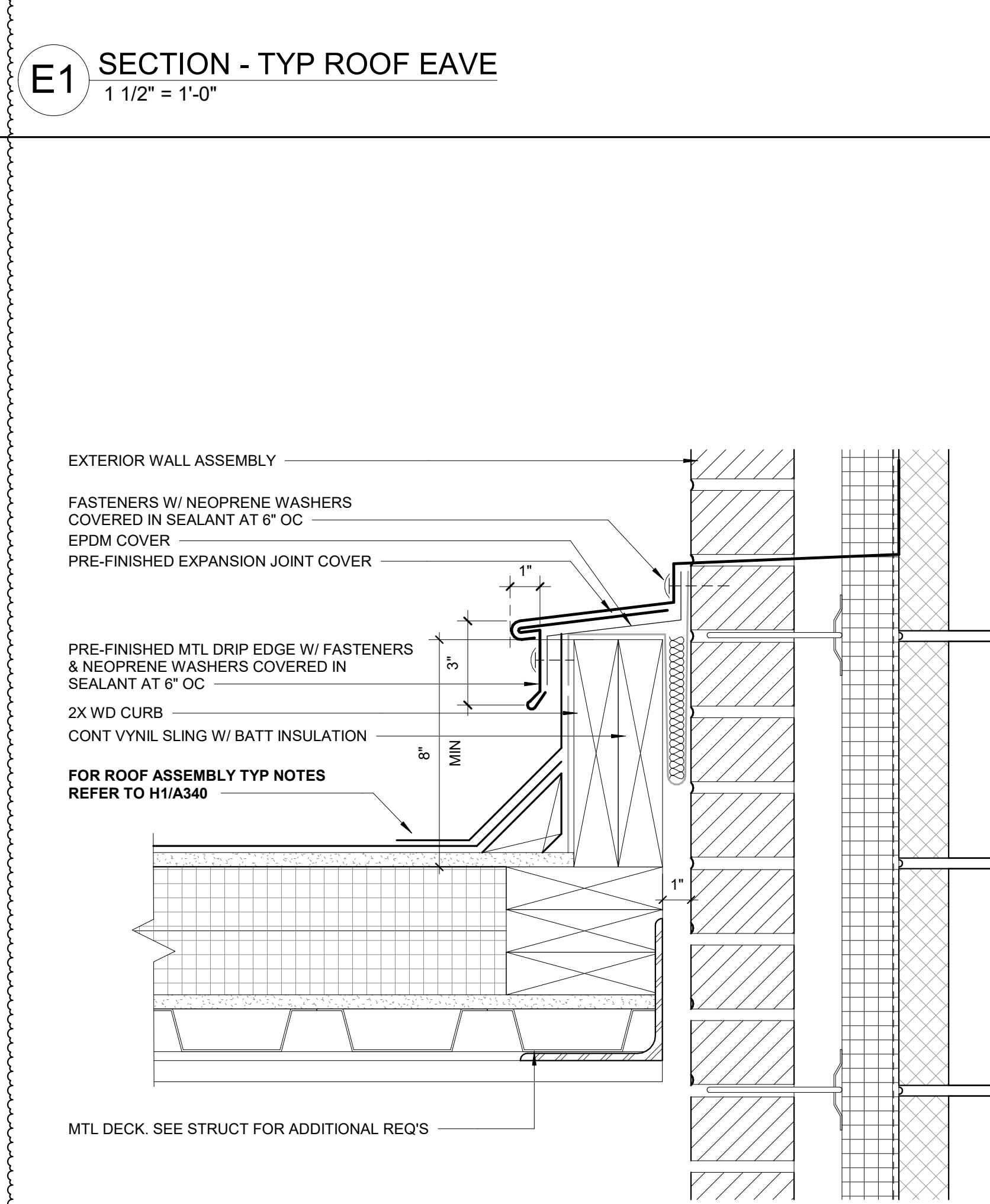
**E1** SECTION - TYP ROOF EAVE  
1 1/2" = 1'-0"



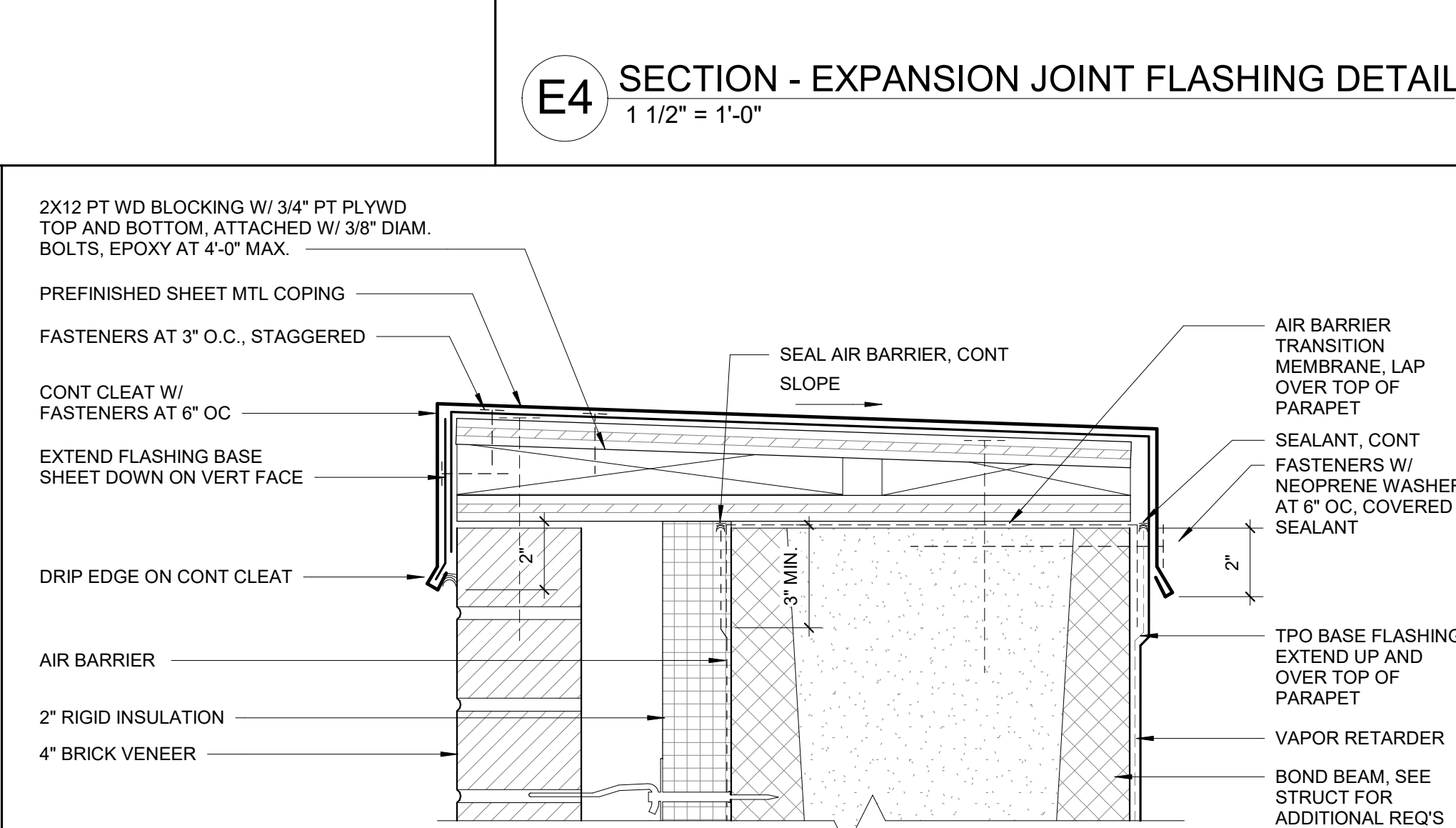
**E4** SECTION - EXPANSION JOINT FLASHING DETAIL  
1 1/2" = 1'-0"



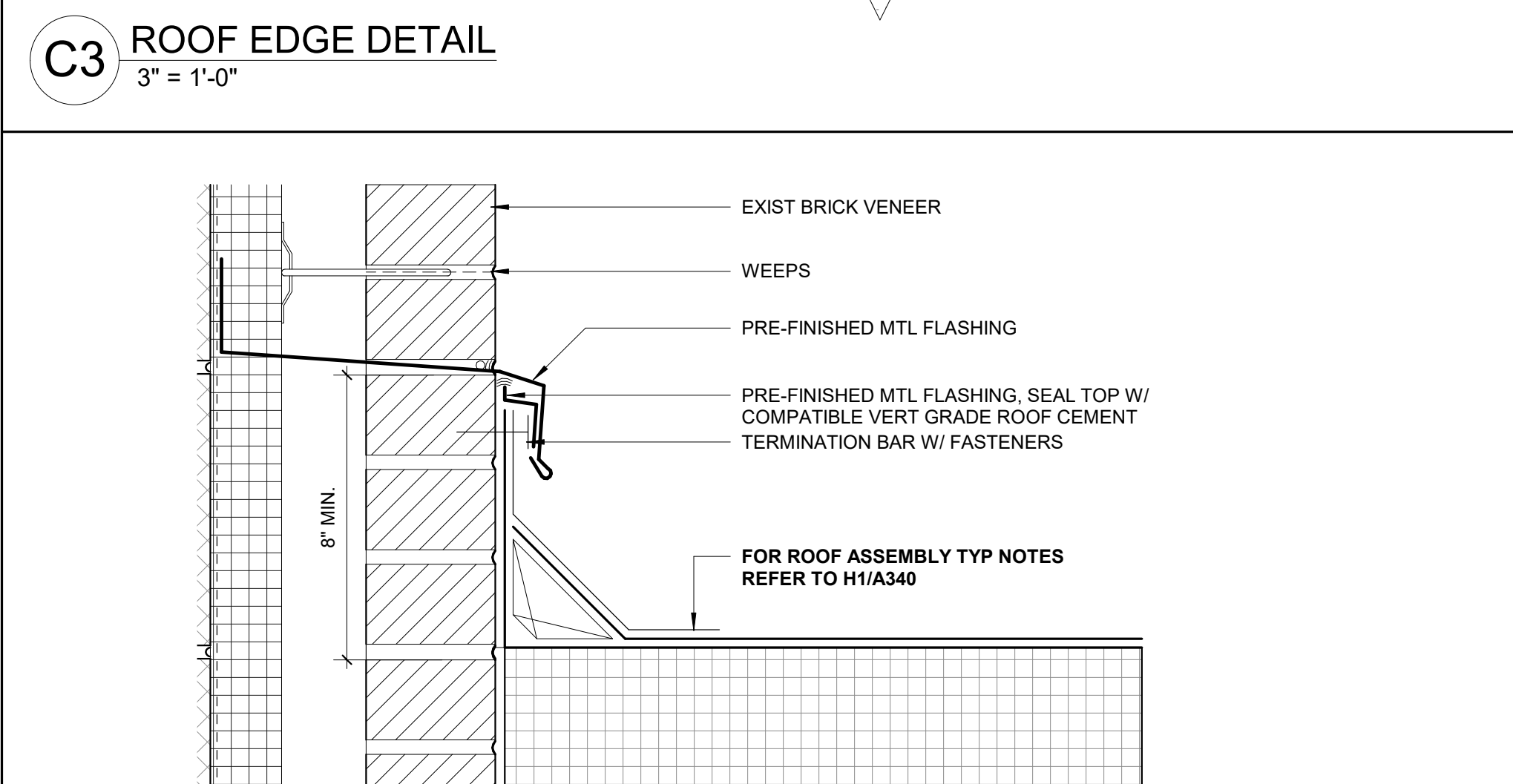
**E7** SECTION - ENLARGED DETAIL AT EXPANSION FLASHING  
3" = 1'-0"



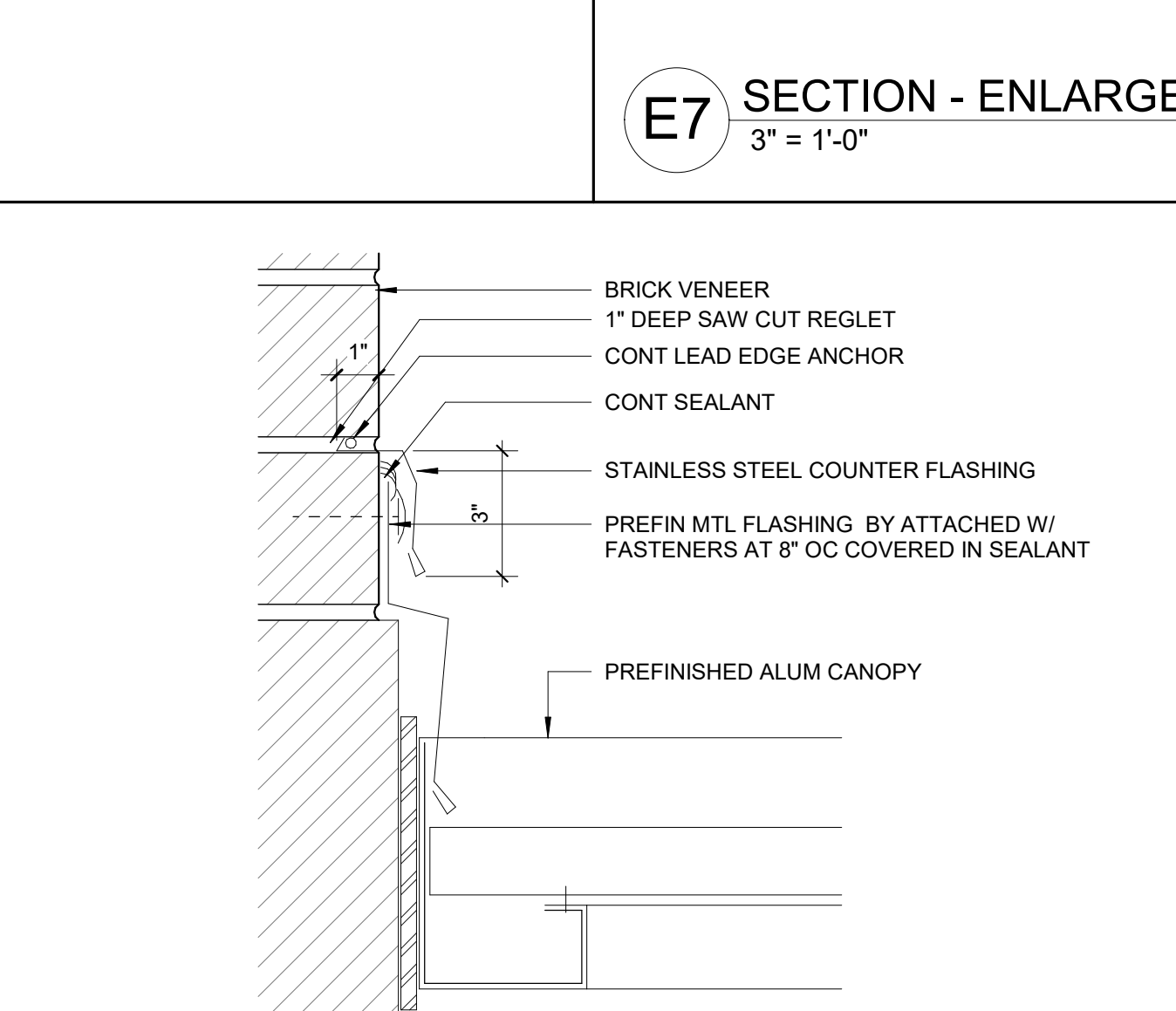
**A1** ROOF EXPANSION JOINT DETAIL  
3" = 1'-0"



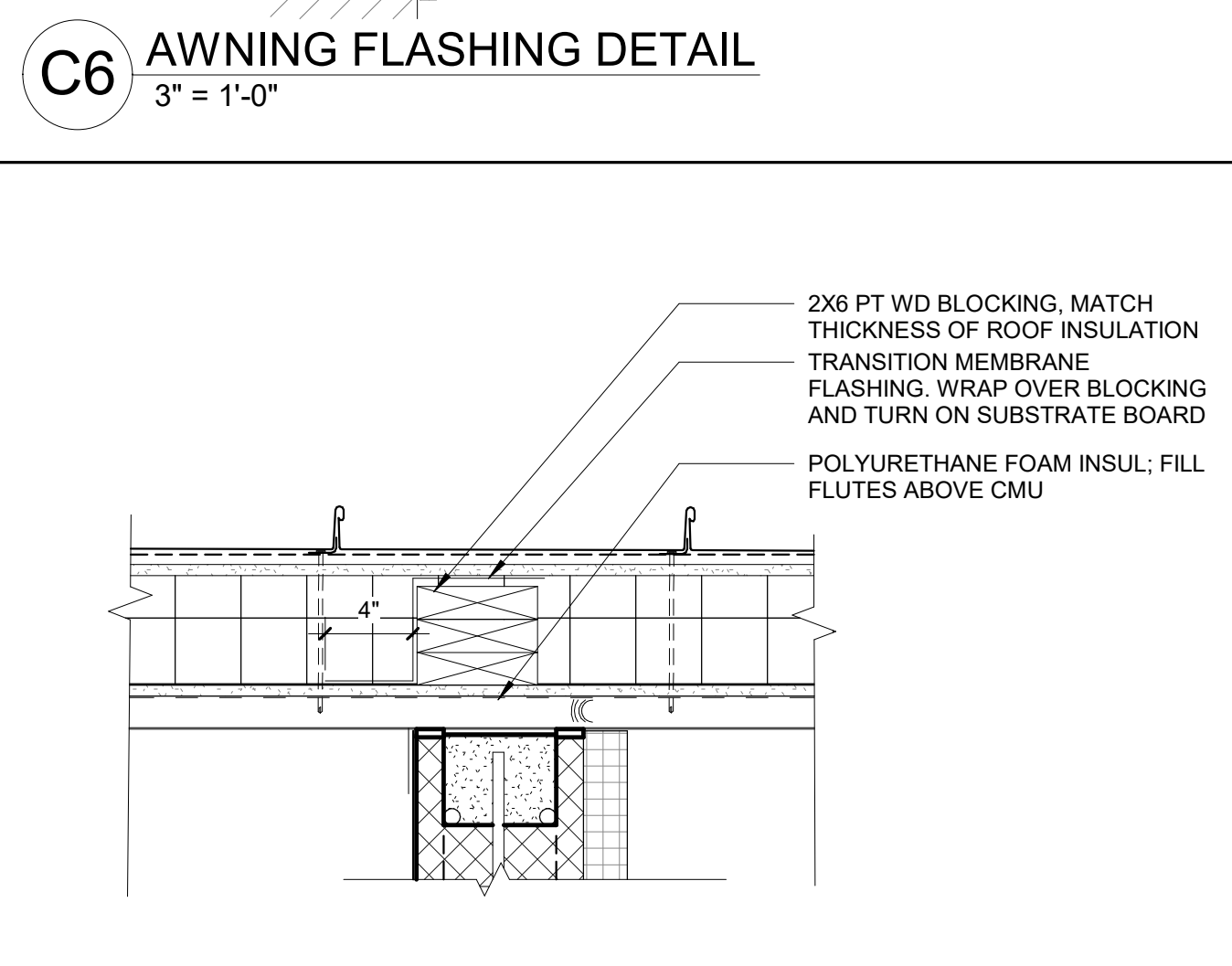
**C3** ROOF EDGE DETAIL  
3" = 1'-0"



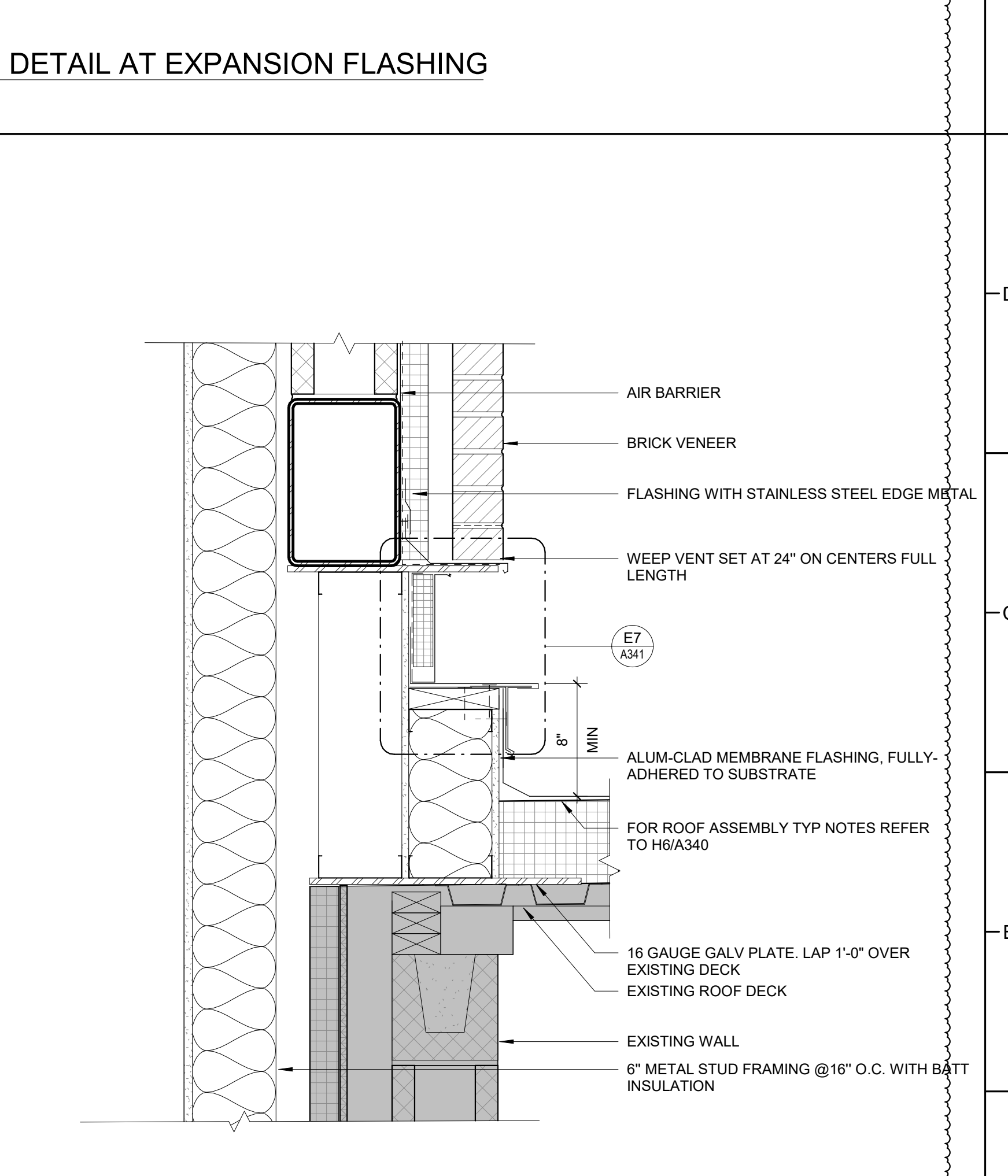
**A3** ROOF CURB AT WALL DETAIL  
3" = 1'-0"



**C6** AWNING FLASHING DETAIL  
3" = 1'-0"

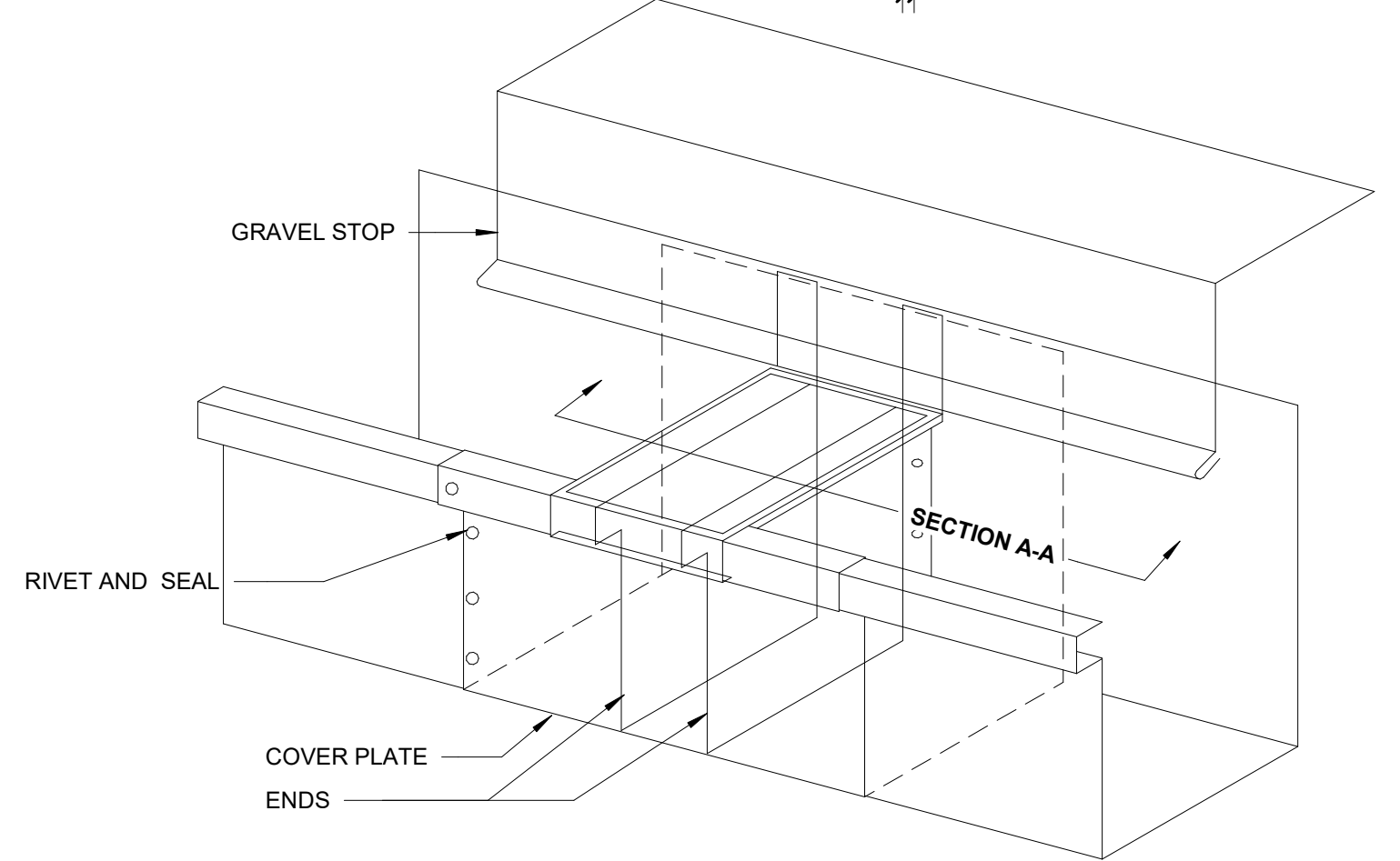
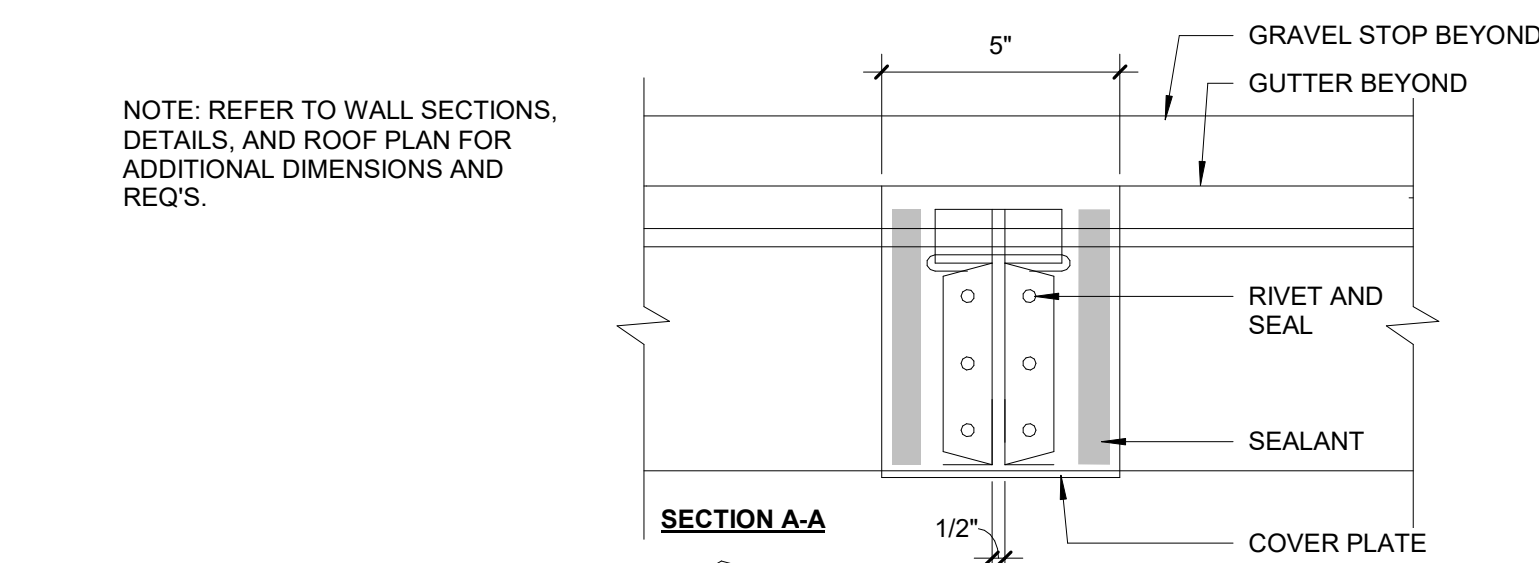


**A6** ROOF DETAIL AT CMU  
1 1/2" = 1'-0"

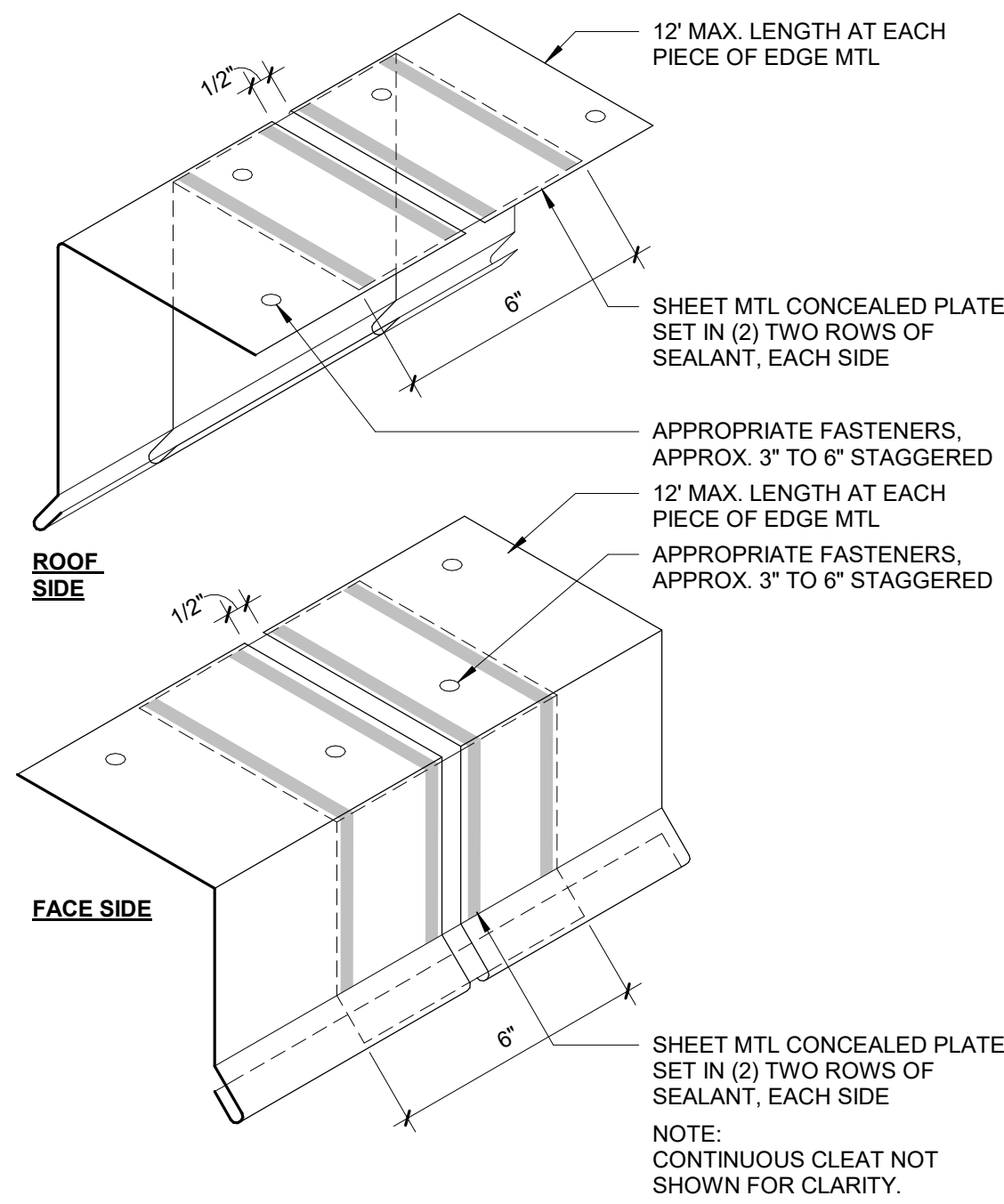


**A8** EXPANSION JOINT FLASHING DETAIL AT EIFS WALL  
1 1/2" = 1'-0"

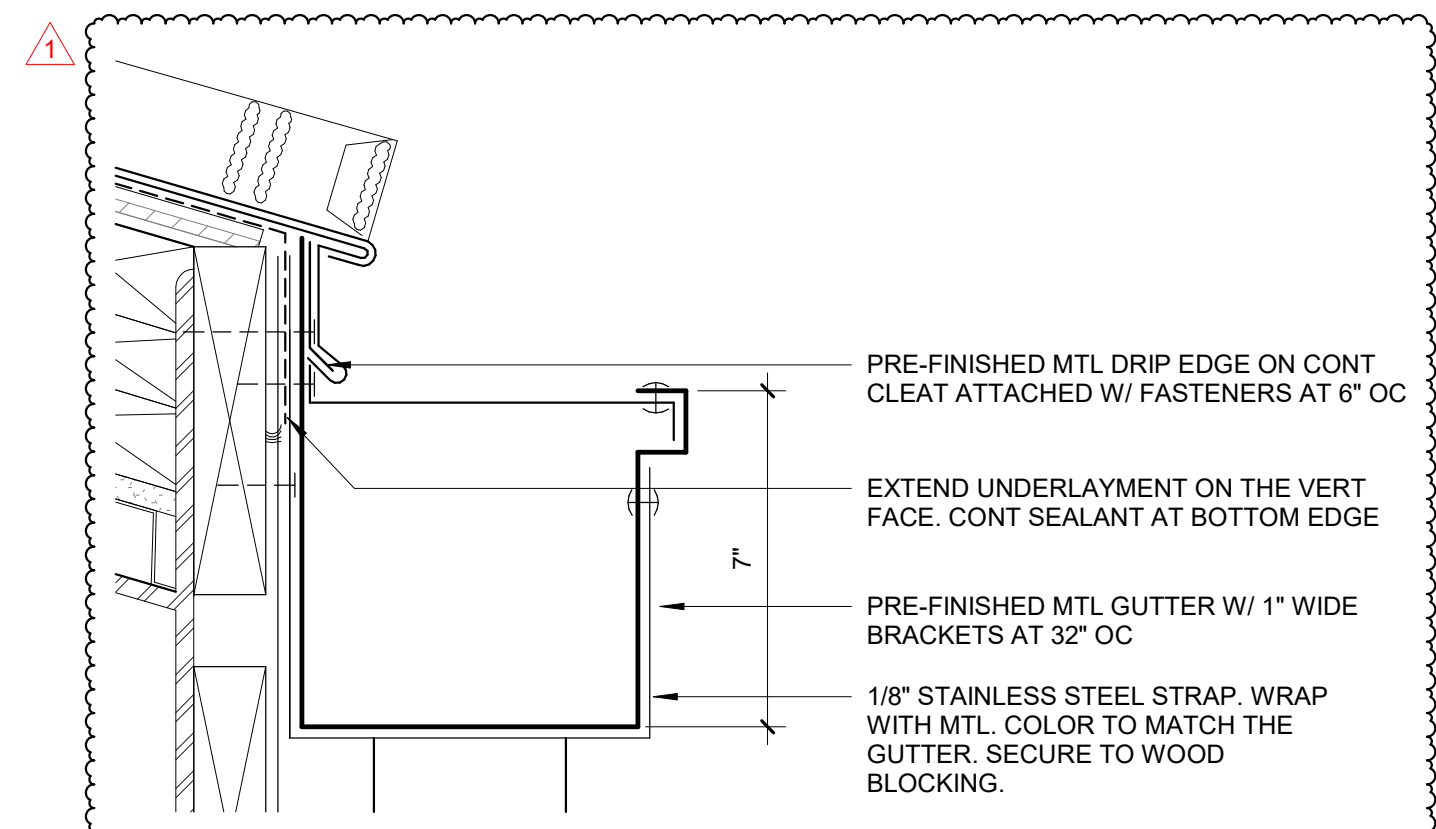




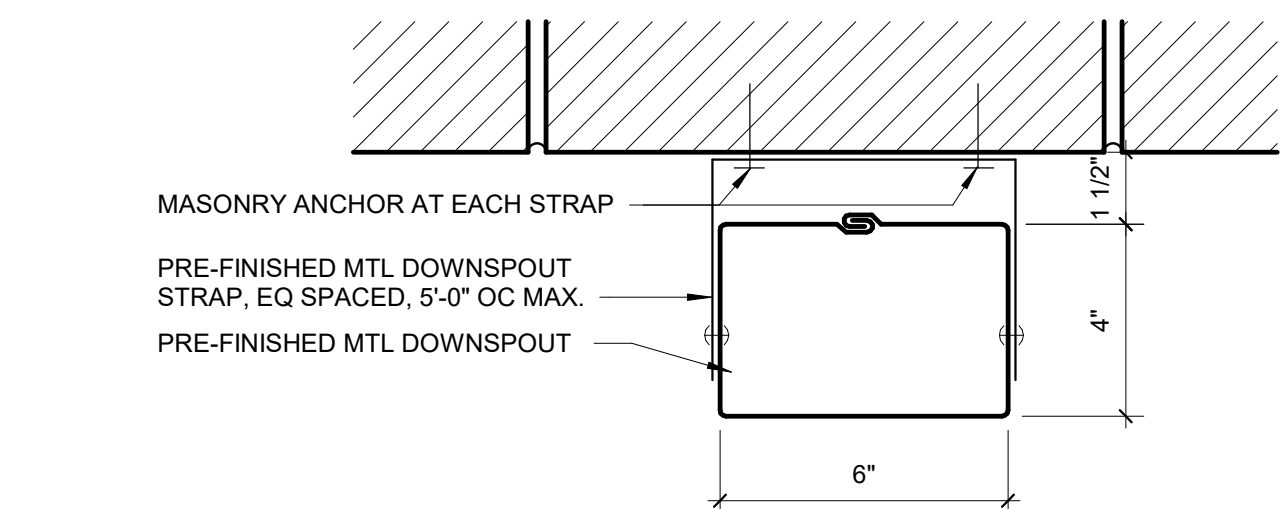
**G8** TYP ROOF DETAIL - GUTTER EXPANSION JOINT  
3" = 1'-0"



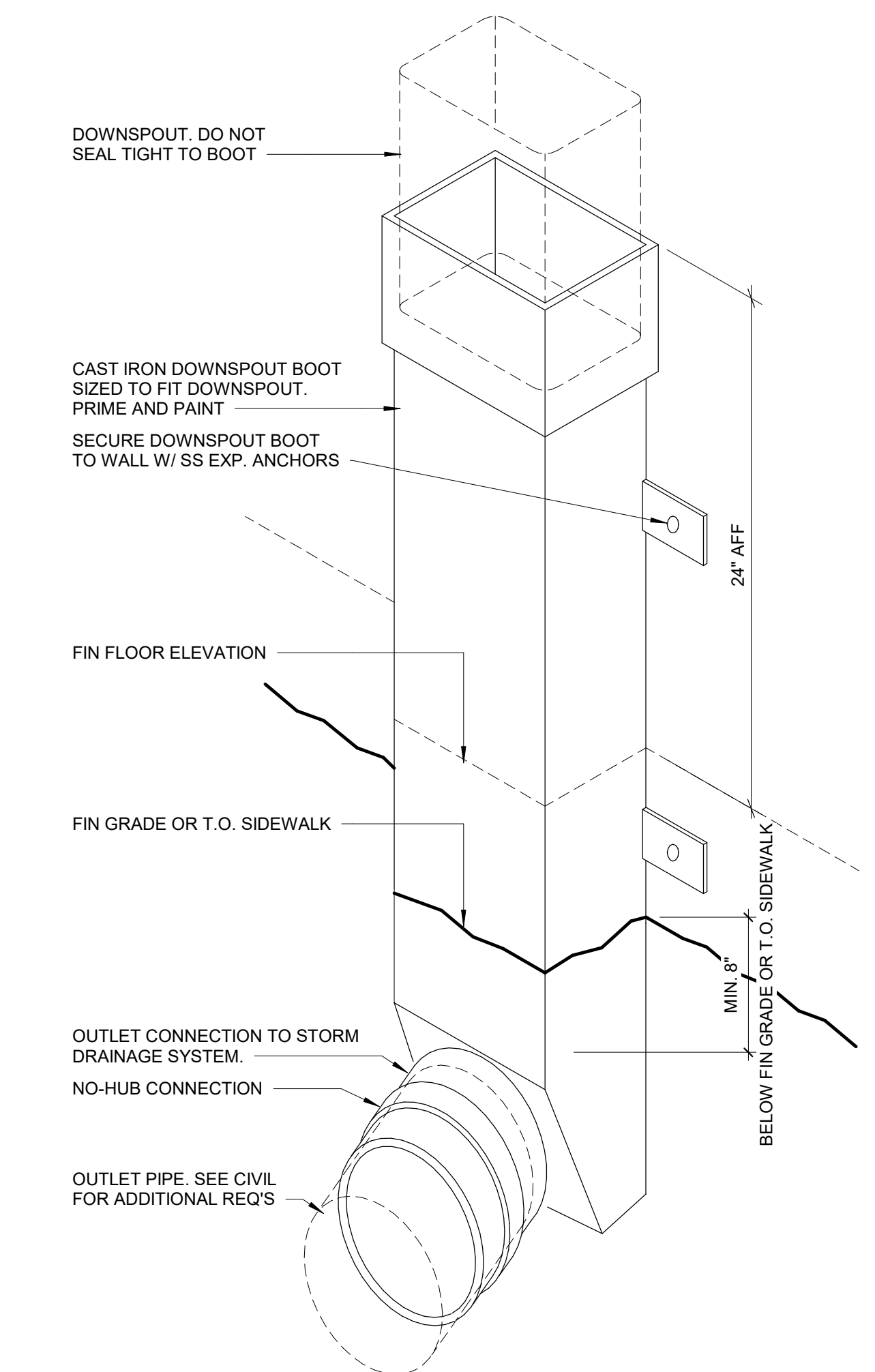
**G6** TYP ROOF DETAIL - EDGE MTL W/ COVER PLATE  
3" = 1'-0"



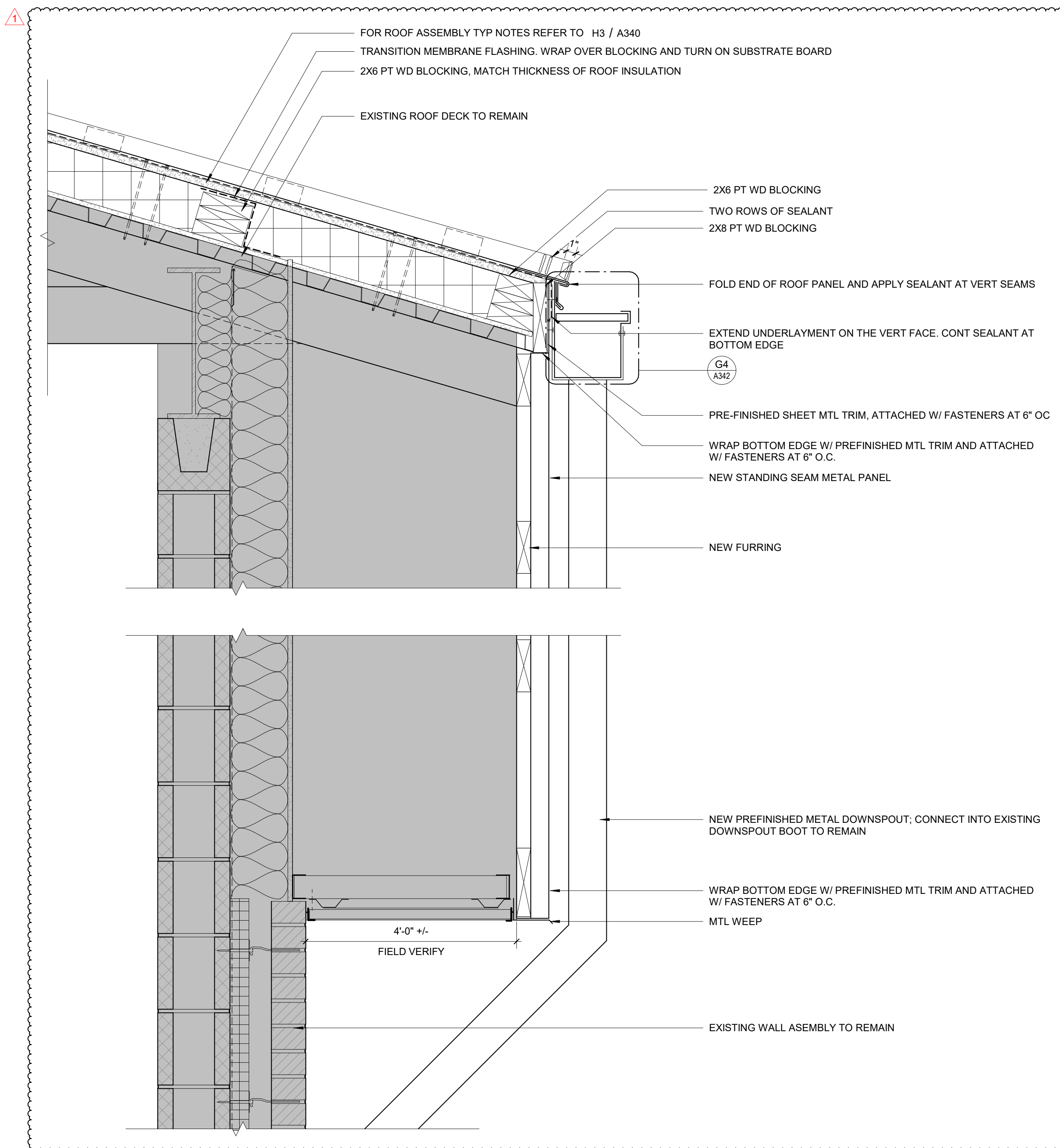
**G4** TYP GUTTER DETAIL  
3" = 1'-0"



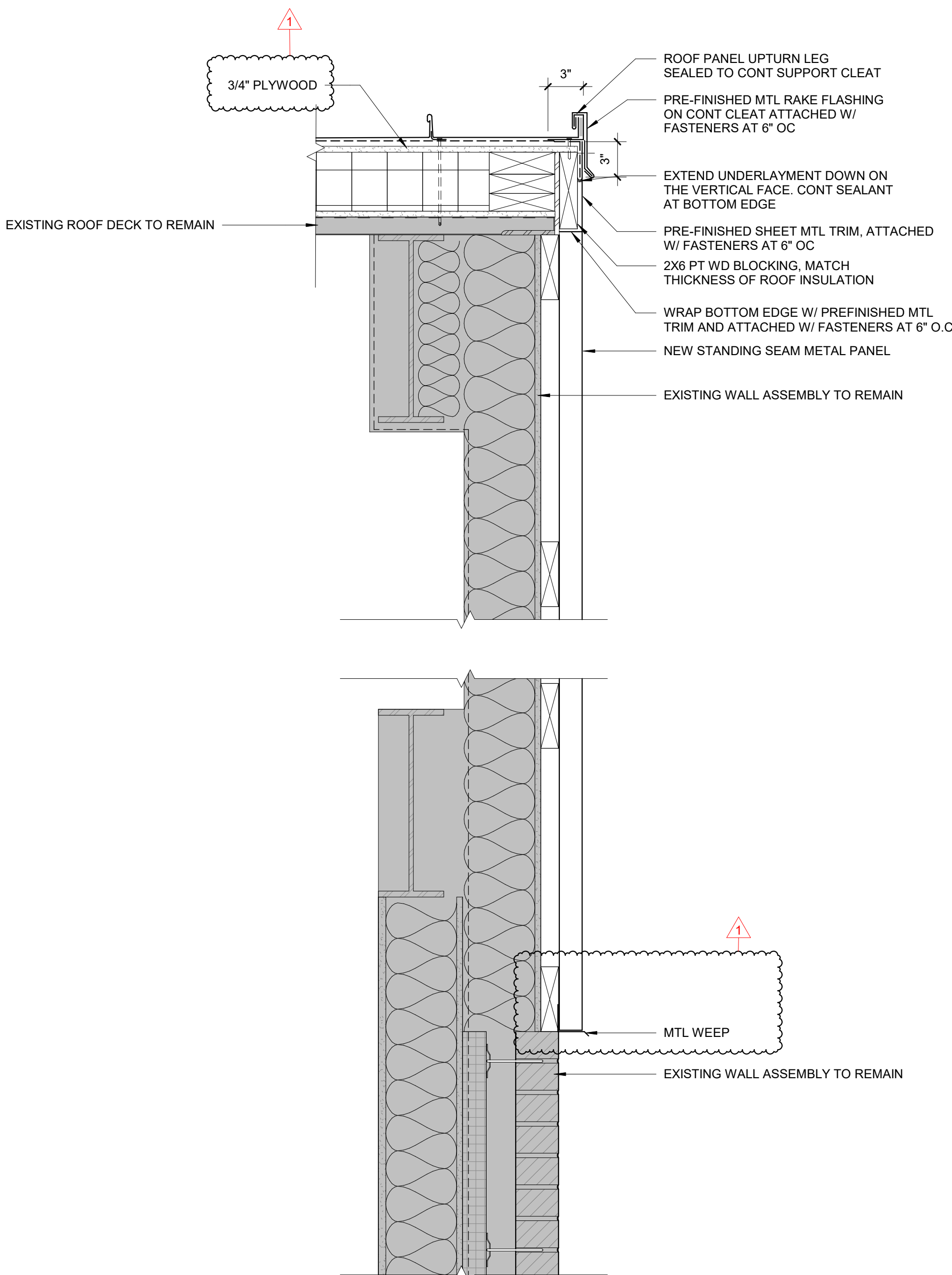
**E8** TYP DOWNSPOUT DETAIL  
3" = 1'-0"



**A8** TYP DOWNSPOUT BOOT DETAIL  
3" = 1'-0"



**A4** AREA B - ROOF EAVE DETAIL - BID ALTERNATE NO. 3  
1 1/2" = 1'-0"

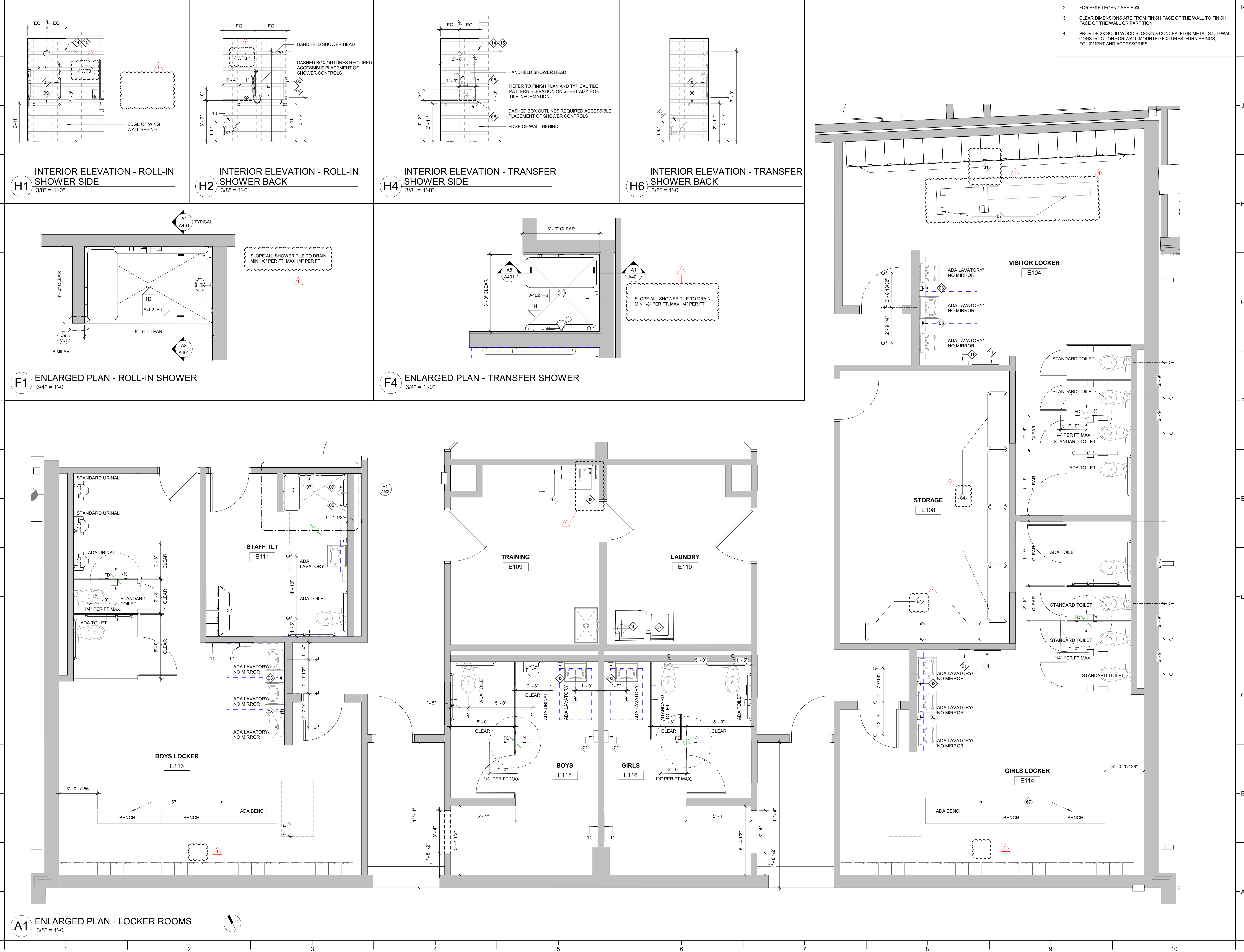


**A1** AREA B - ROOF END/RAKE DETAIL - BID ALTERNATE NO. 3  
1 1/2" = 1'-0"

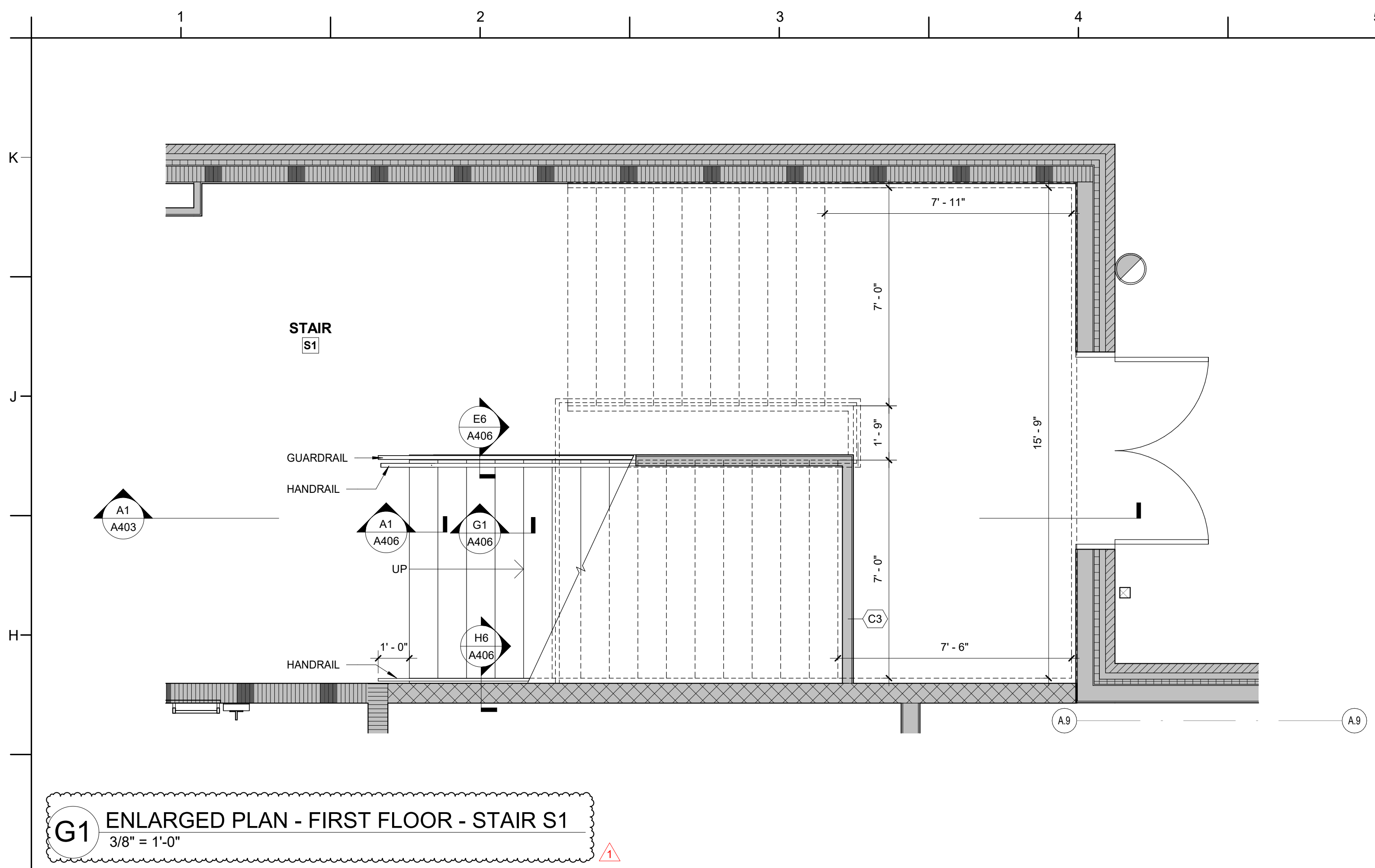


**ENLARGED PLAN & INTERIOR ELEVATION GENERAL NOTES:**

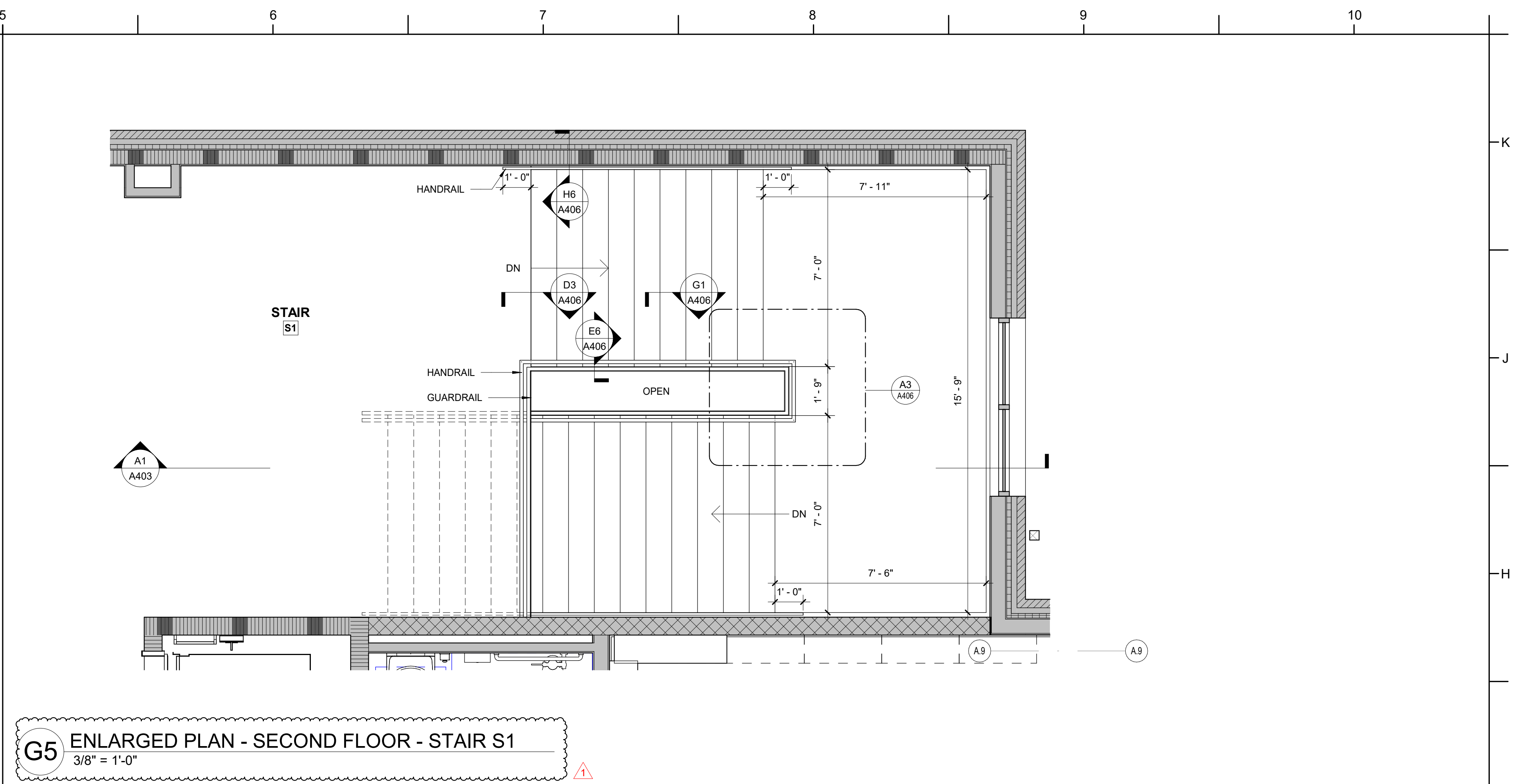
- SEE SHEET A000 FOR TOILET ACCESSORIES, TYPICAL MOUNTING HEIGHTS AND ADDITIONAL REQ.
- FOR FF&E LEGEND SEE A000.
- CLEAR DIMENSIONS ARE FROM FINISH FACE OF THE WALL TO FINISH FACE OF THE WALL OR PARTITION.
- PROVIDE 2X SOLID WOOD BLOCKING CONCEALED IN METAL STUD WALL CONSTRUCTION FOR WALL-MOUNTED FIXTURES, FURNISHINGS, EQUIPMENT AND ACCESSORIES.



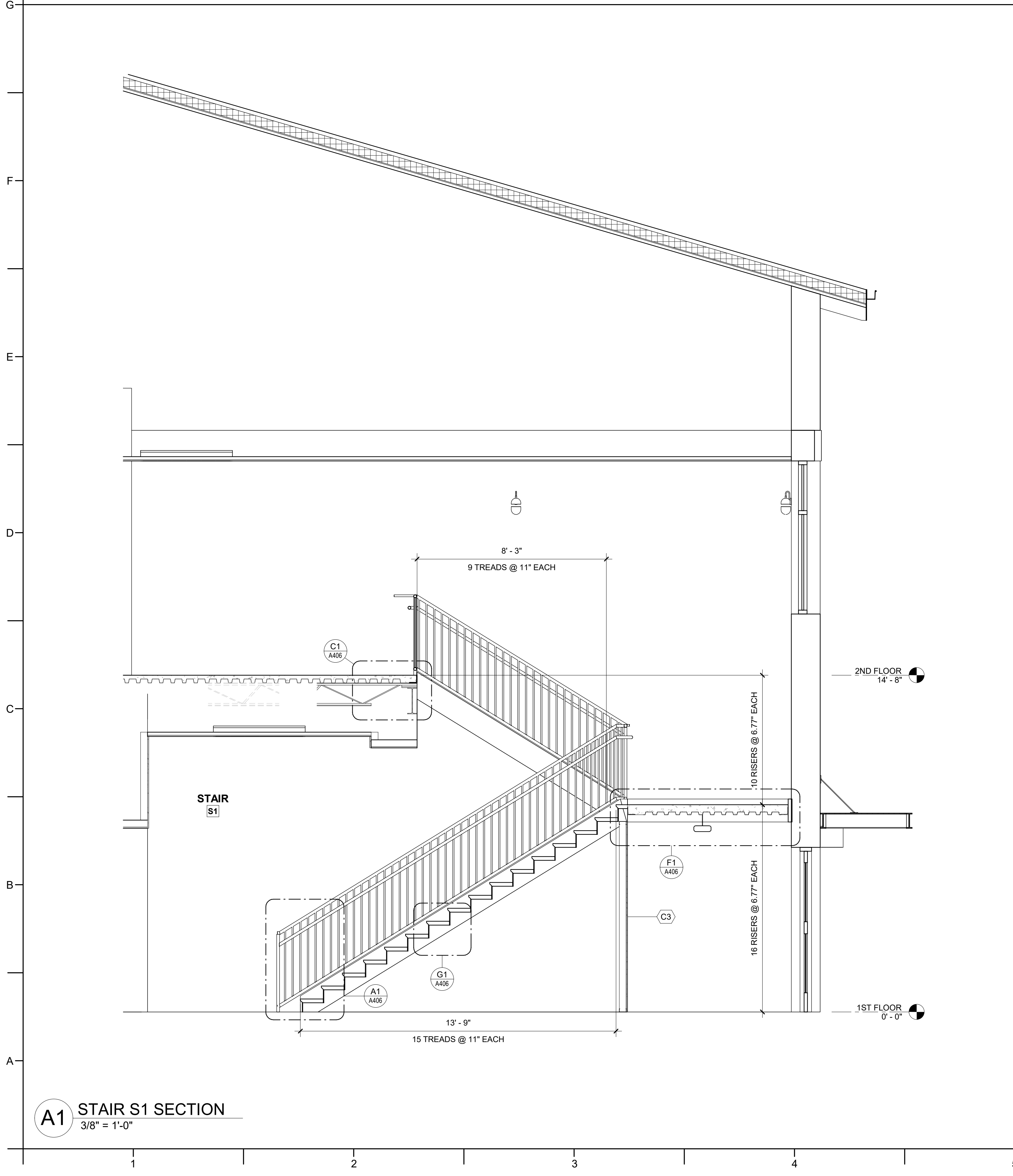




G1 ENLARGED PLAN - FIRST FLOOR - STAIR S1  
3/8" = 1'-0"



G5 ENLARGED PLAN - SECOND FLOOR - STAIR S1  
3/8" = 1'-0"



A1 STAIR S1 SECTION  
3/8" = 1'-0"

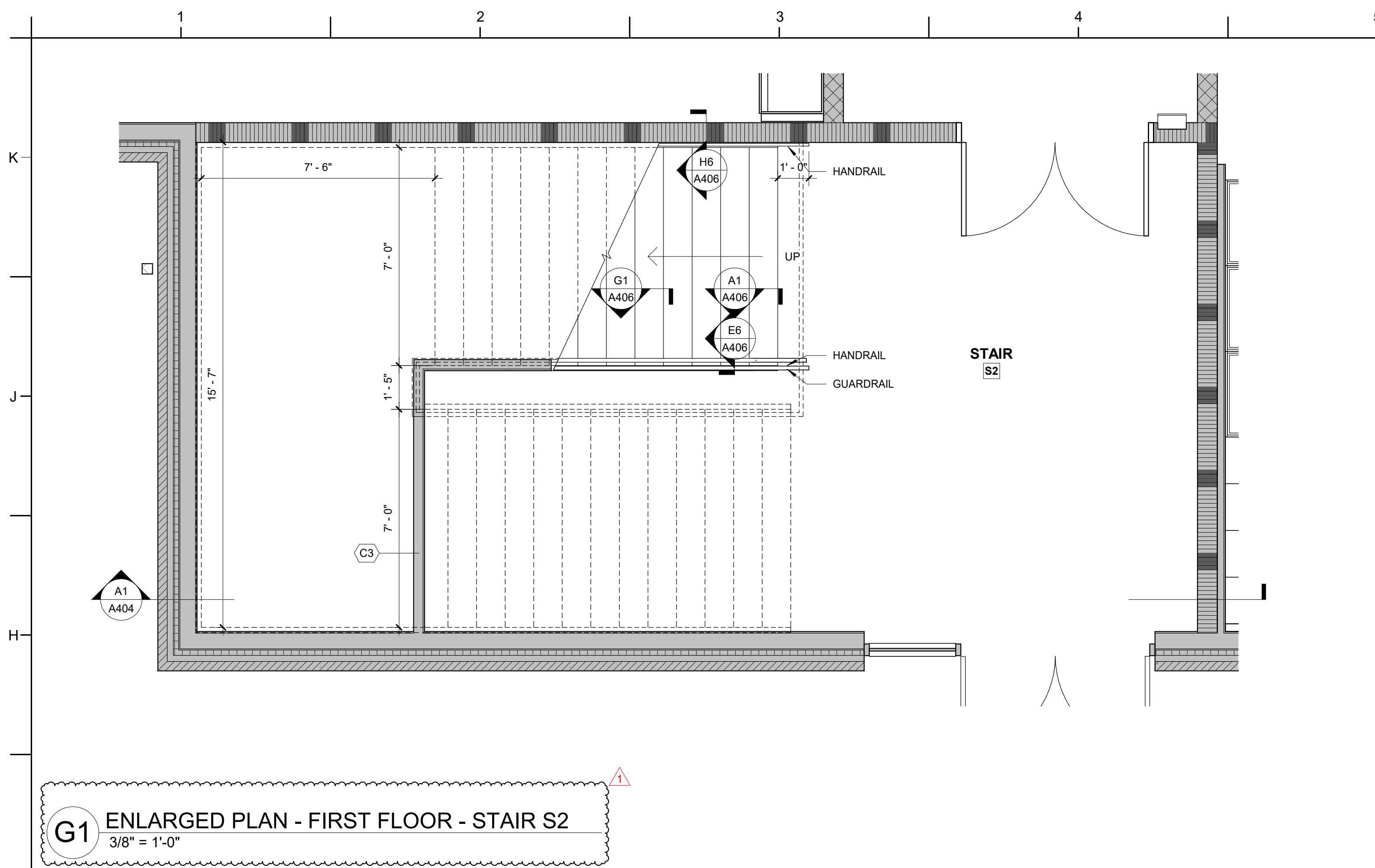




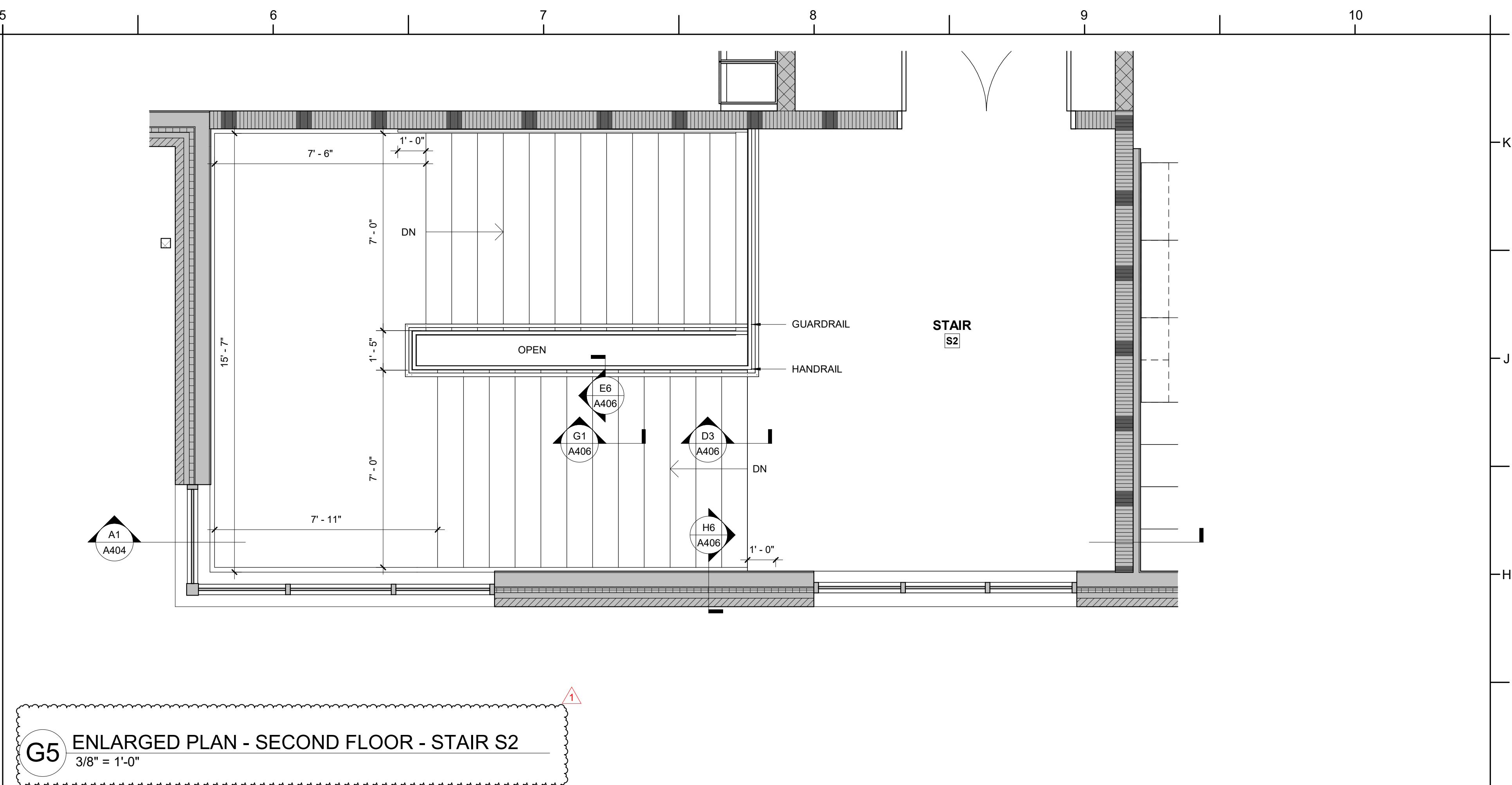
1	ADDENDUM #1	2/3/2025

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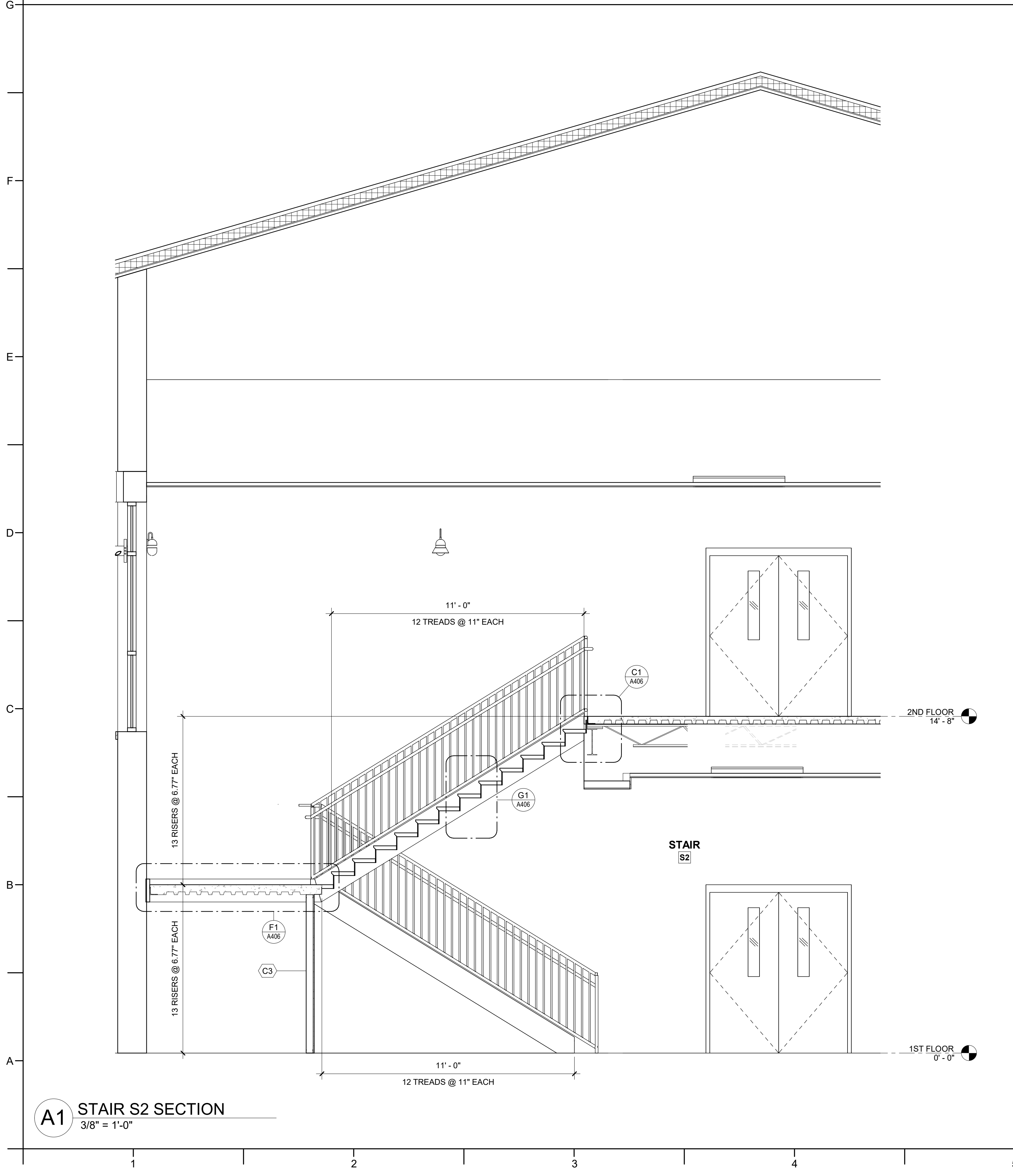
PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: VK  
Plot Date: 1/31/2025 3:39:40 PM



**G1** ENLARGED PLAN - FIRST FLOOR - STAIR S2  
3/8" = 1'-0"

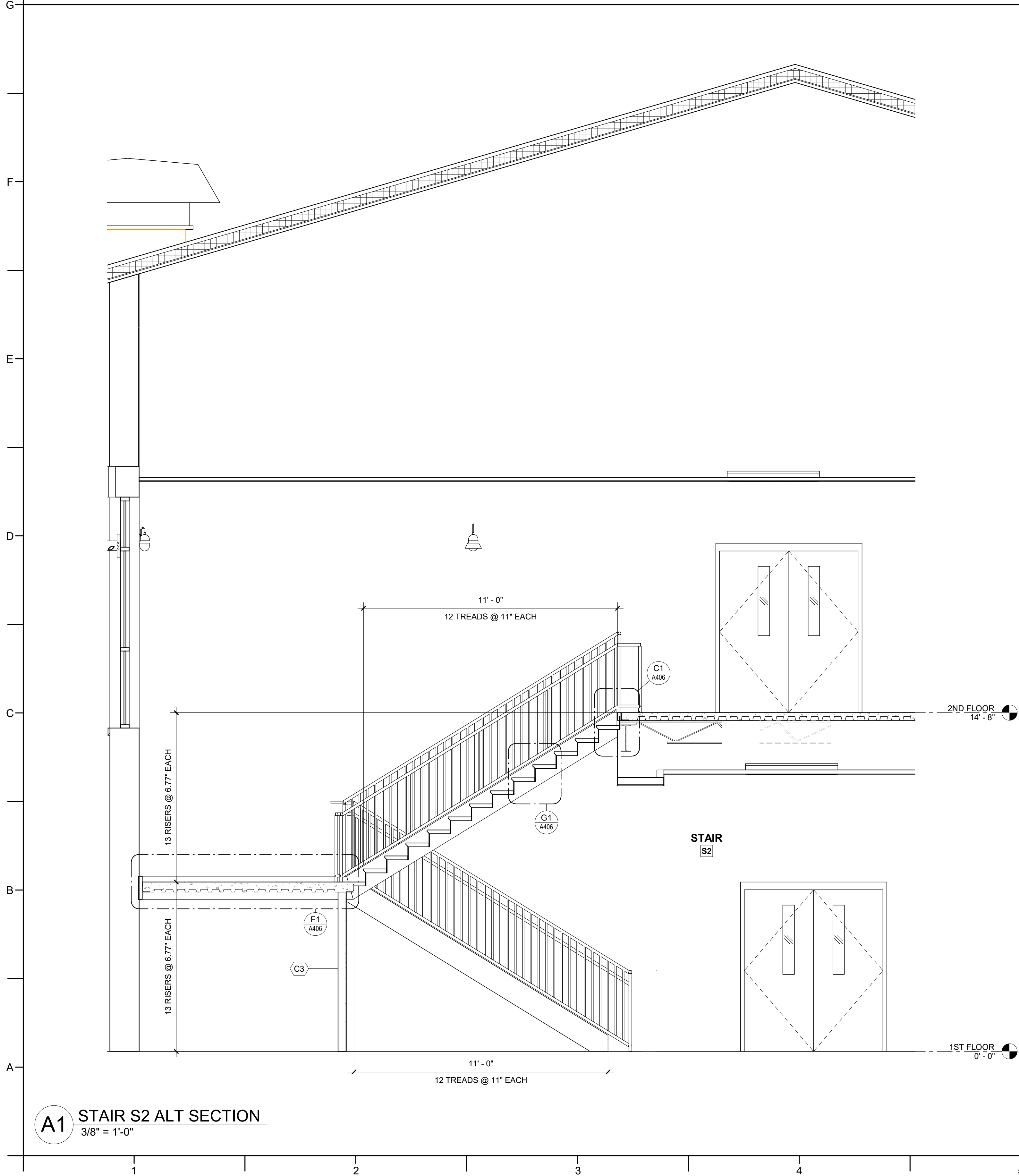
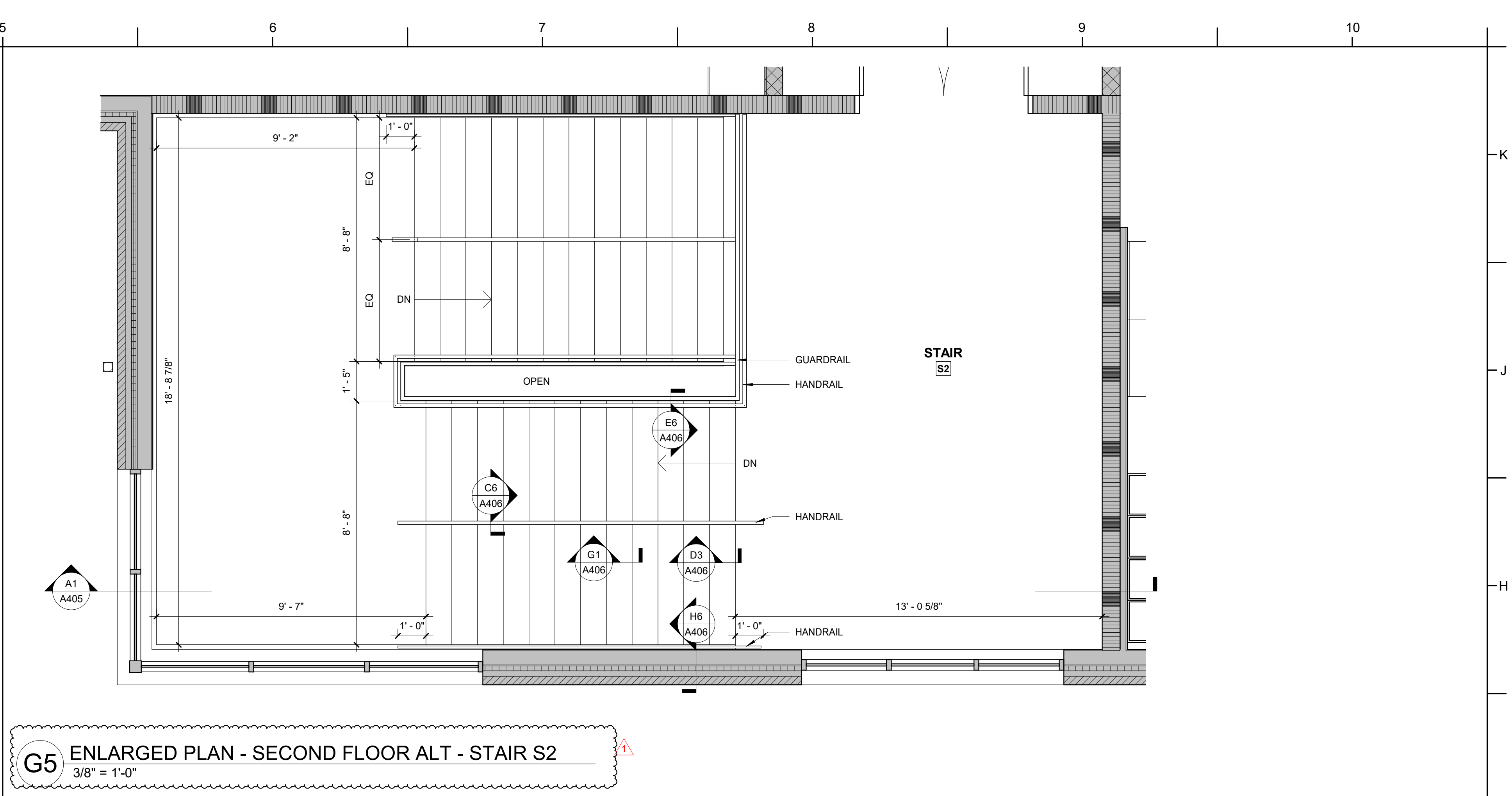
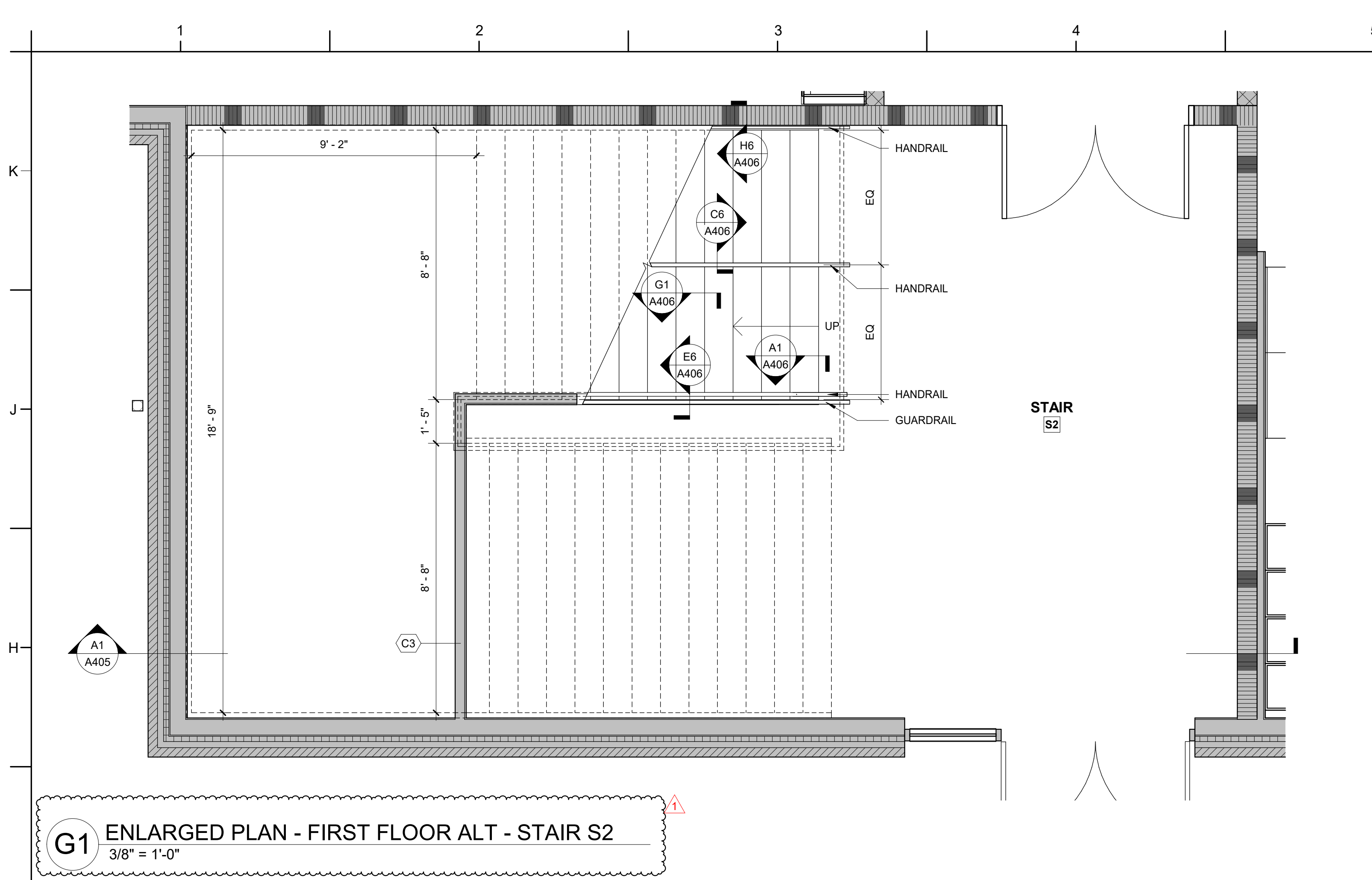


**G5** ENLARGED PLAN - SECOND FLOOR - STAIR S2  
3/8" = 1'-0"

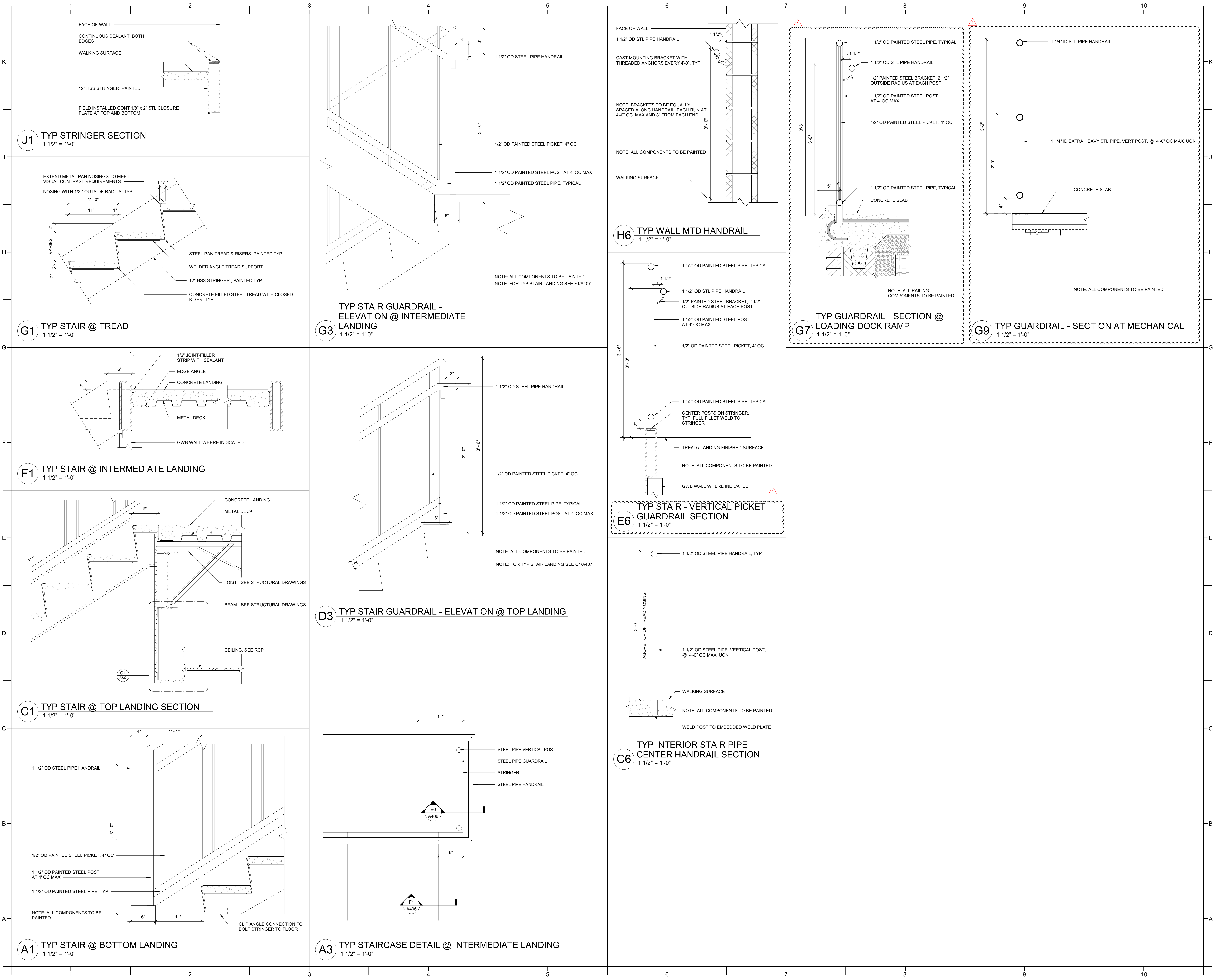


**A1** STAIR S2 SECTION  
3/8" = 1'-0"

















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2401

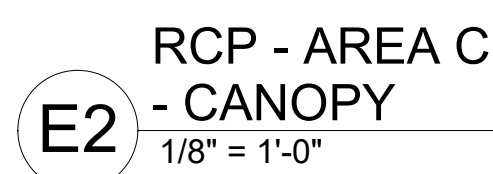
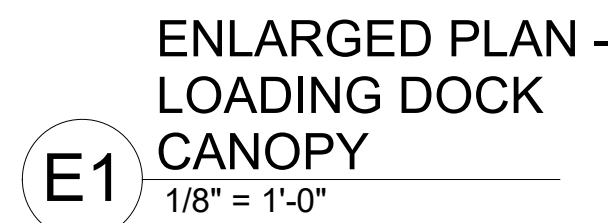
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PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: VK  
Plot Date: 1/31/2025 3:40:32 PM

BID DOCUMENTS  
01/10/2025

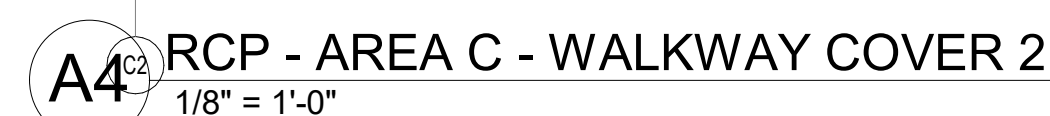
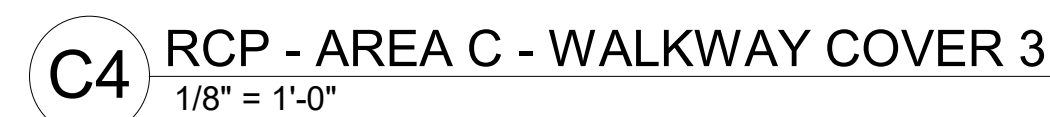
A410



NOTE: FOR BID  
ALTERNATE NO.2  
SEE A5 / A411

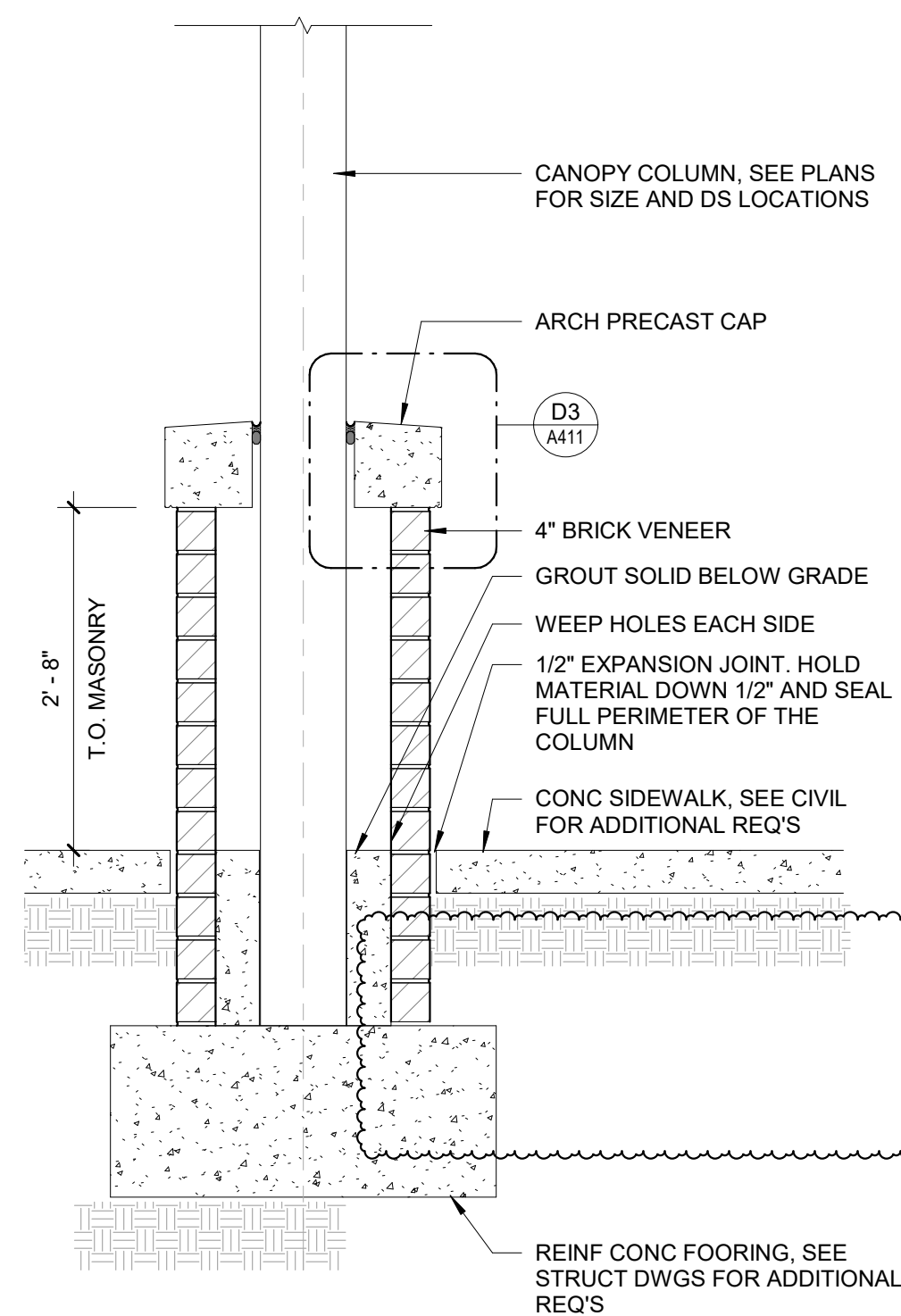


NOTE: FOR BID  
ALTERNATE NO.  
SEE A7 / A411

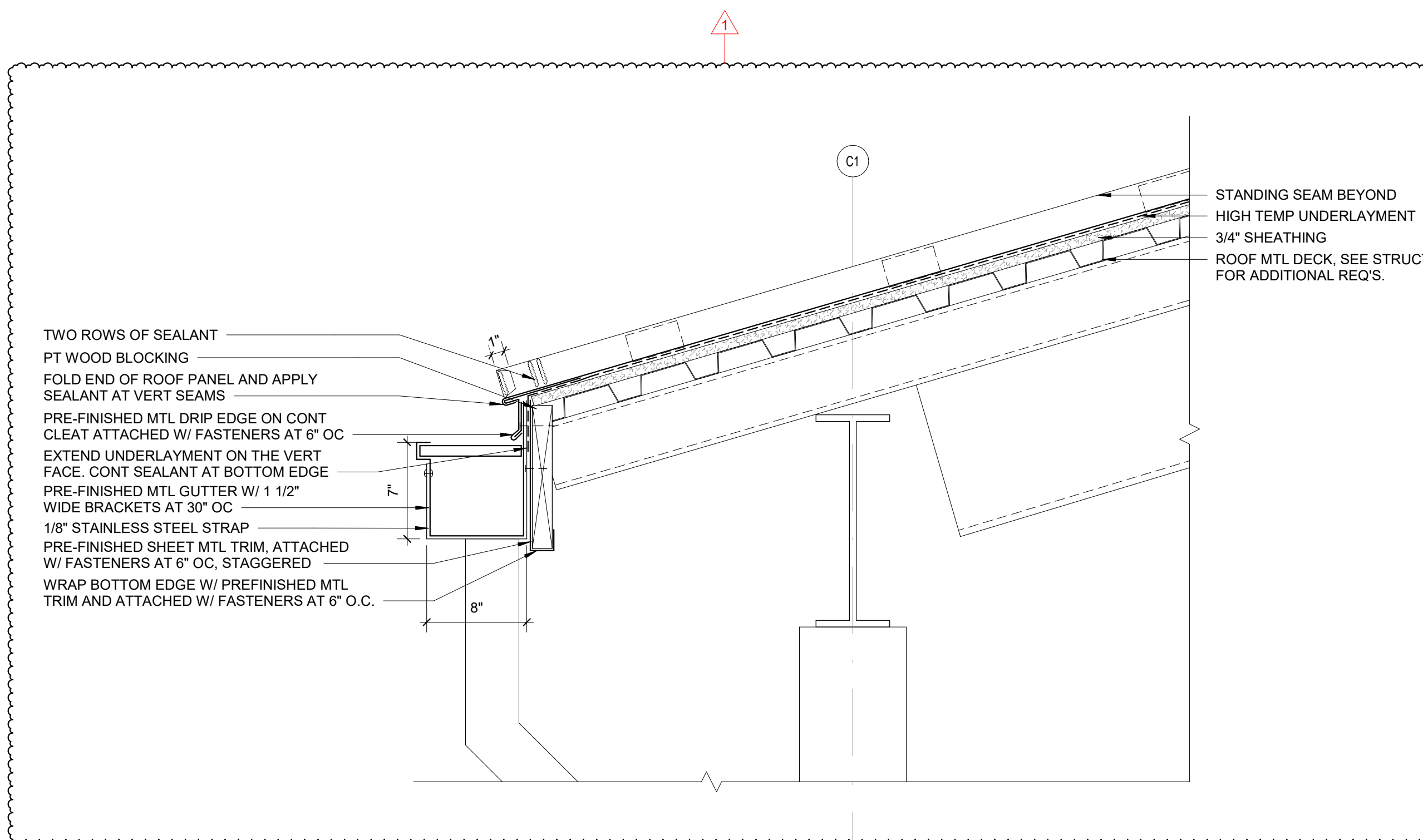




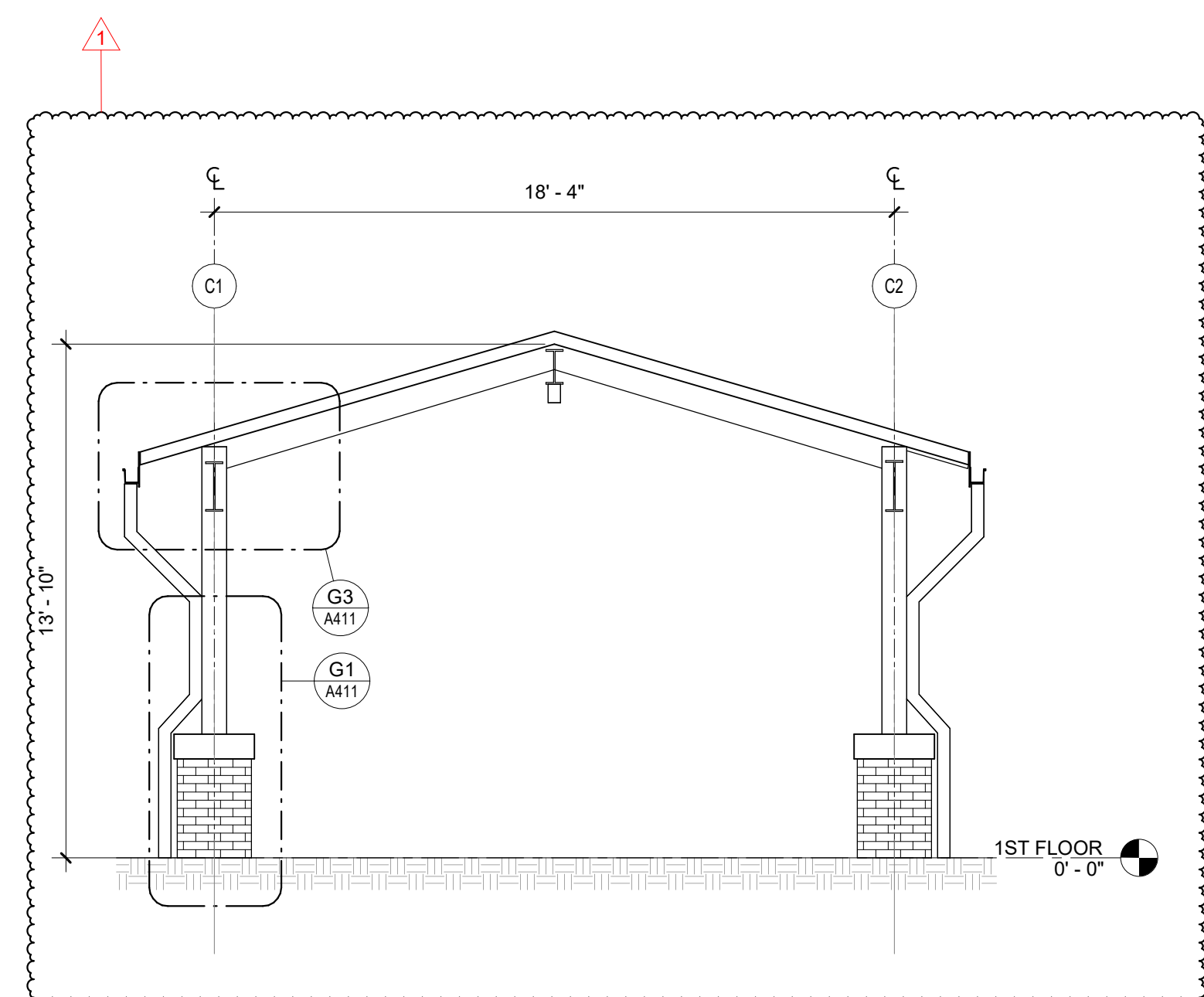
**G1 WALKWAY COVER 1 - COLUMN DETAIL**  
3/4" = 1'-0"



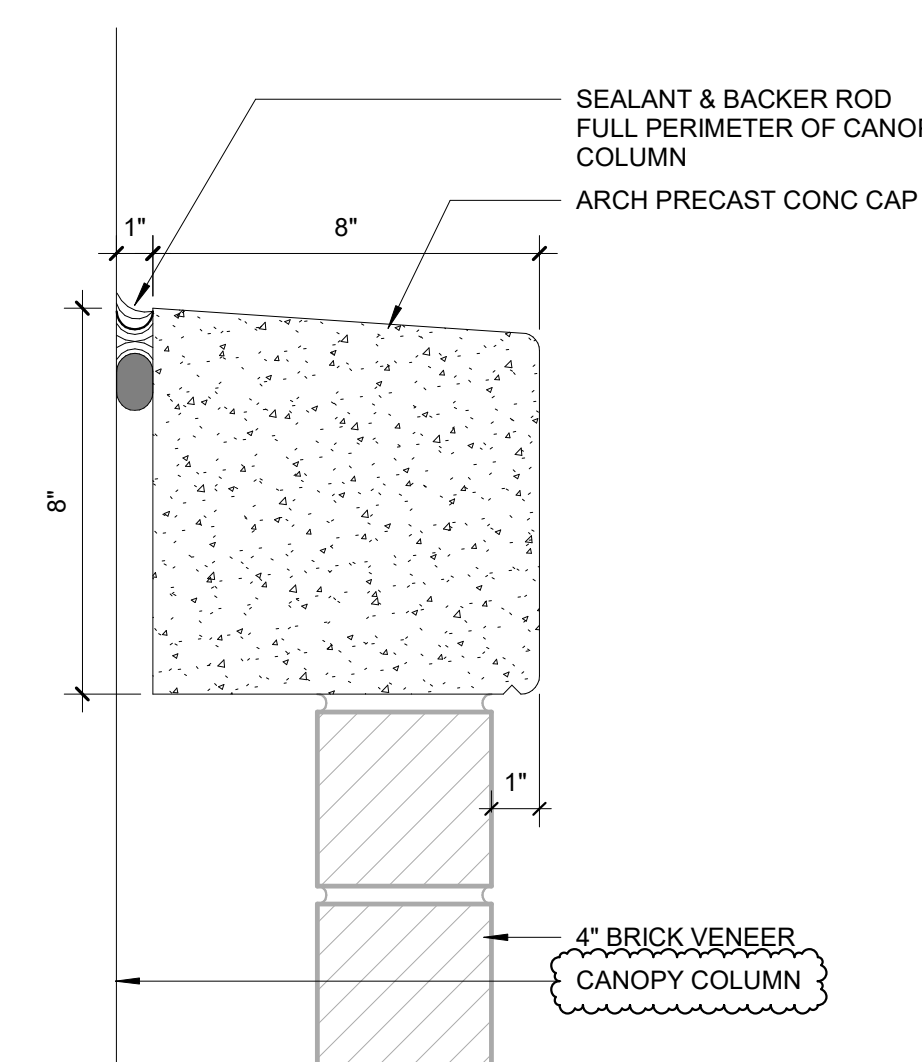
**G3 WALKWAY COVER 1 - ROOF EAVE DETAIL**  
1 1/2" = 1'-0"



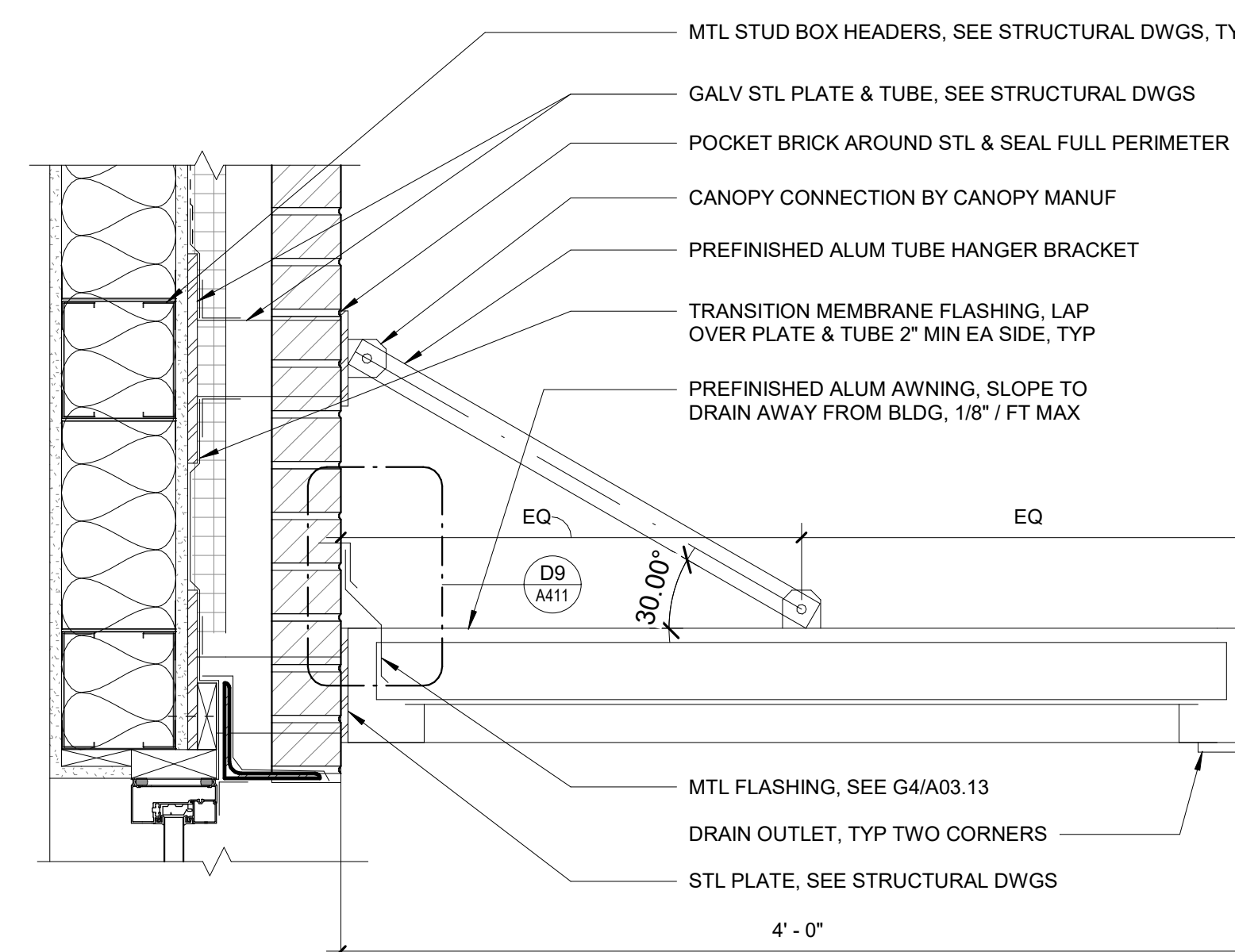
**D1 WALKWAY COVER 1 - CROSS SECTION**  
1/4" = 1'-0"



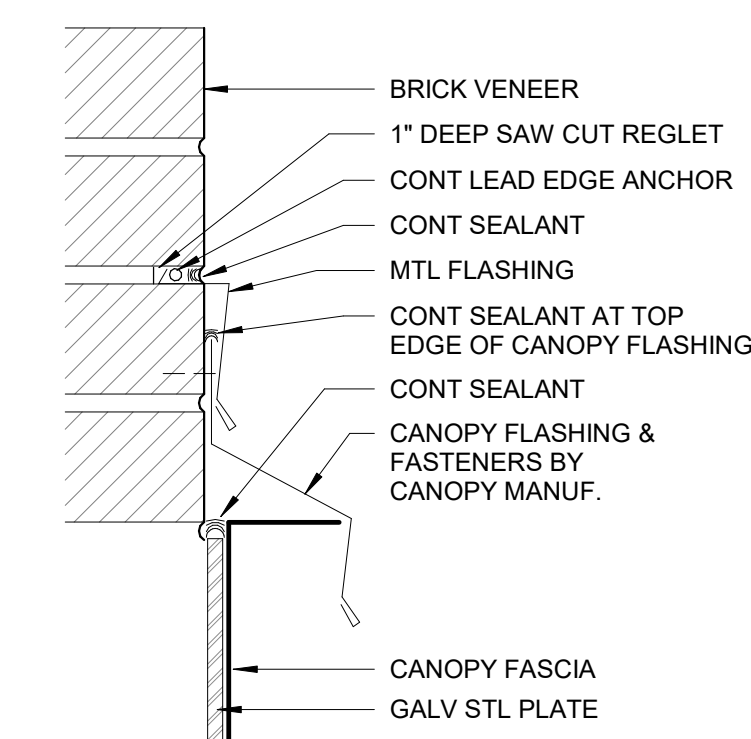
**D3 ARCH PRECAST CAP AT 8\"X8\" CANOPY COLUMN**  
3\" = 1'-0"



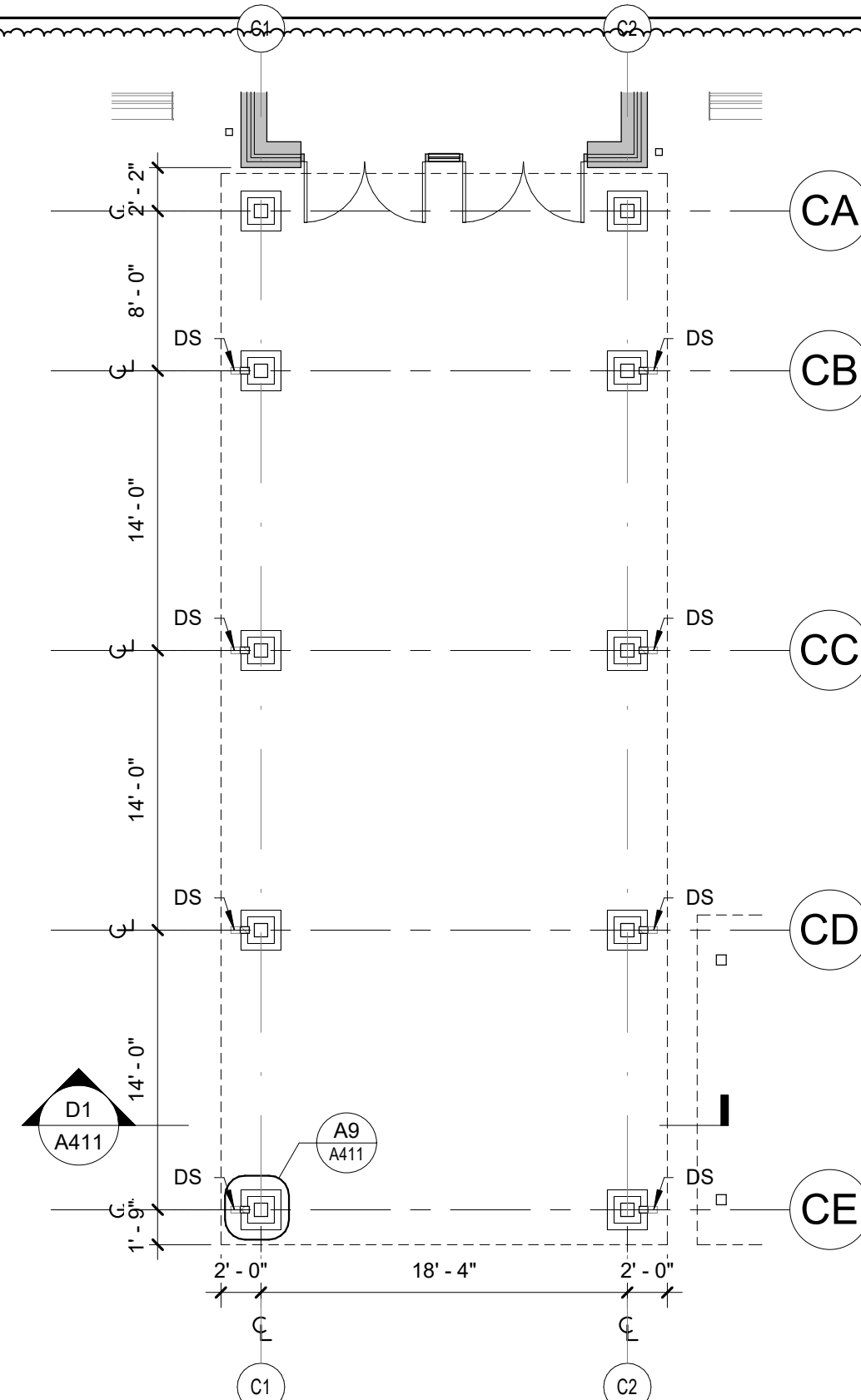
**D5 CANOPY DETAIL**  
1 1/2" = 1'-0"



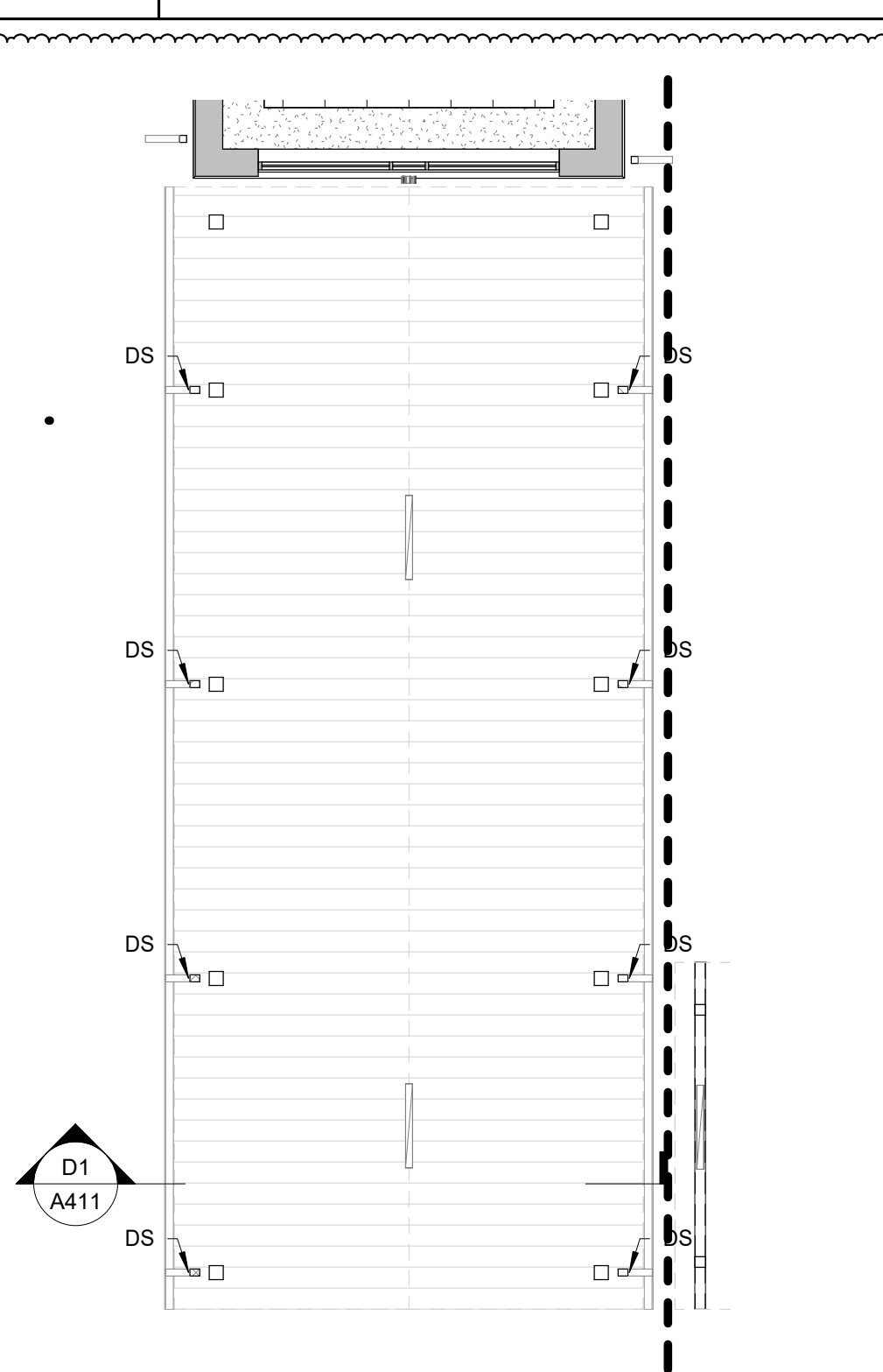
**D9 CANOPY FLASHING**  
3\" = 1'-0"



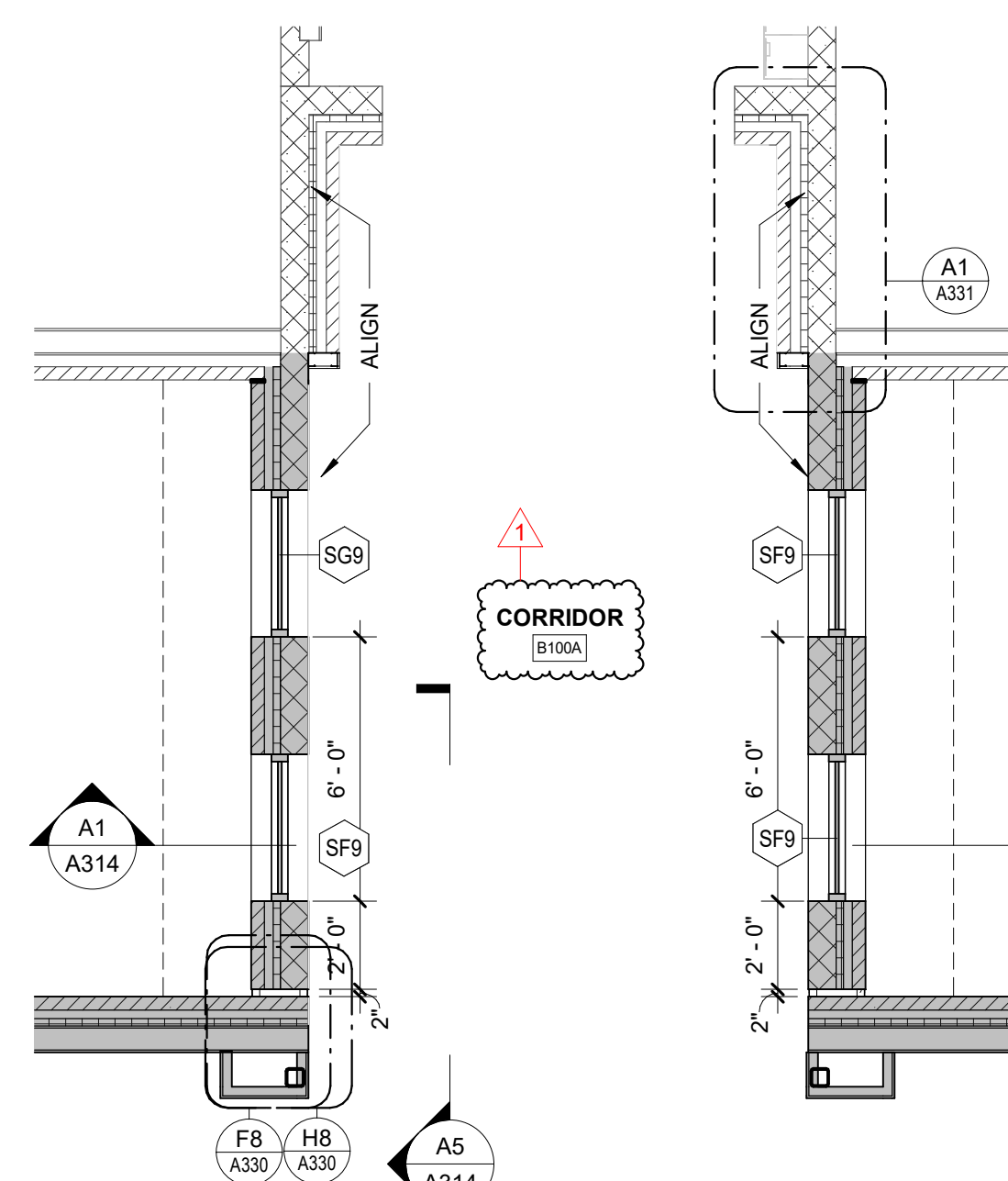
**A1 ENLARGED PLAN - AREA C - WALKWAY COVER 1**  
1/8" = 1'-0"



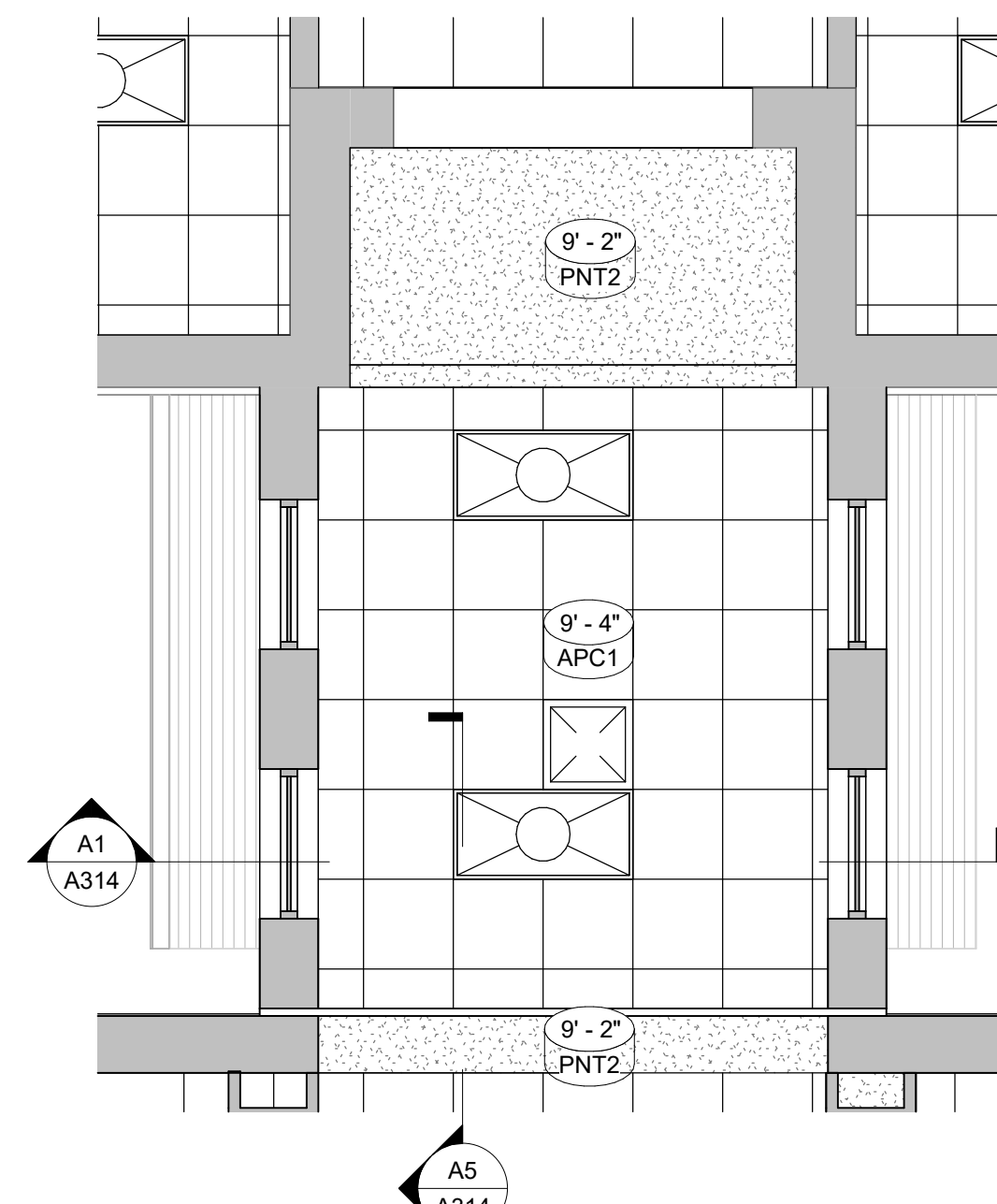
**A3 RCP - AREA C - WALKWAY COVER 1**  
1/8" = 1'-0"



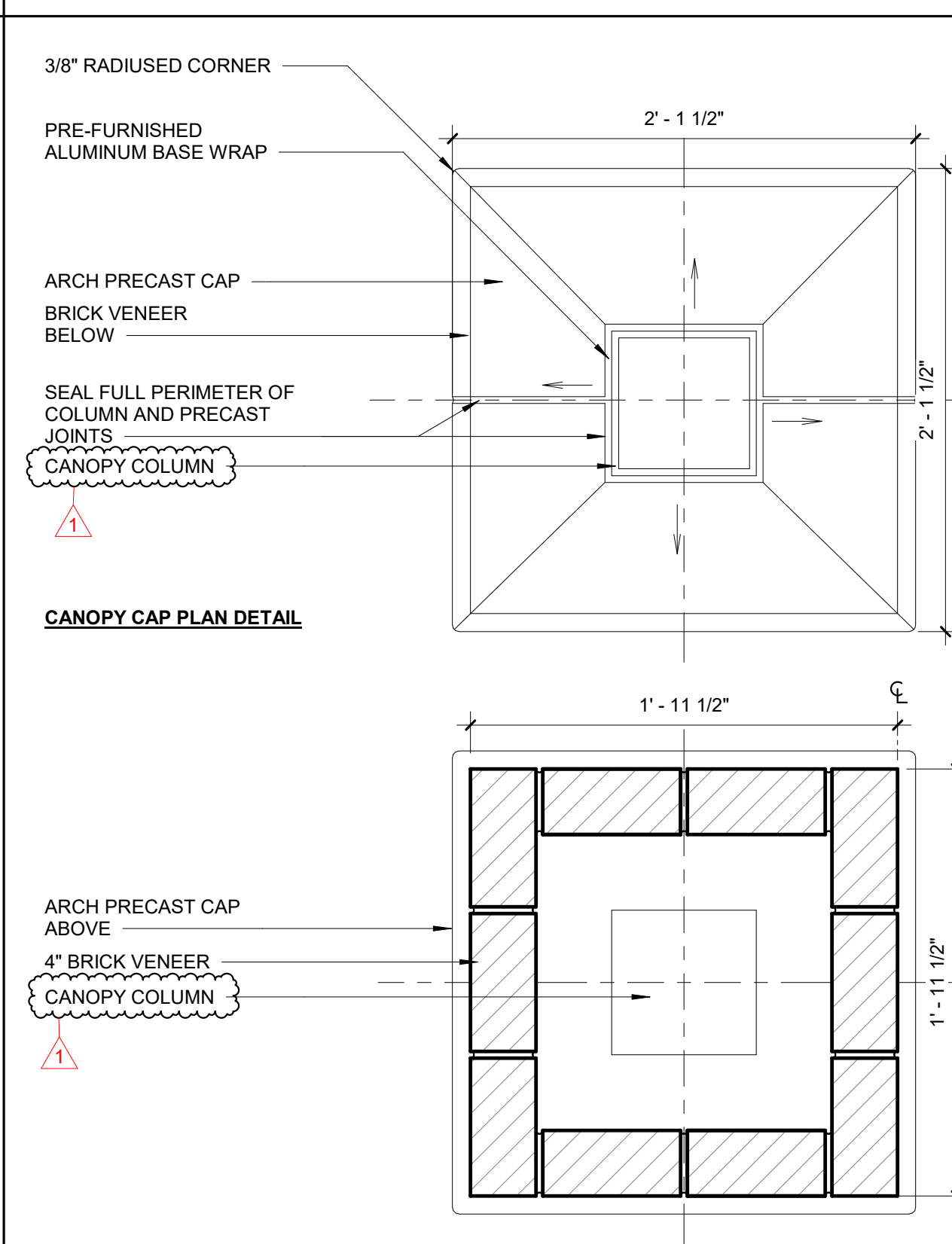
**A5 ENLARGED PLAN - CORRIDOR CONNECTOR - BID ALT NO. 2**  
1/4" = 1'-0"



**A7 RCP - CORRIDOR CONNECTOR - BID ALT NO. 2**  
1/4" = 1'-0"



**A9 CANOPY COLUMN**  
1 1/2" = 1'-0"











1. REFER TO SHEET A000 FOR MOUNTING HEIGHTS AND GENERAL INFORMATION.
2. REFER TO SHEET A000 FOR FURNITURE, FIXTURES, AND EQUIPMENT LEGEND.
3. REFER TO SHEET A001 FOR THE MATERIAL LEGEND.
4. (L) = LOCKABLE CASEWORK
5. WHERE PLAM4 AND PLAM5 ARE BOTH INDICATED AT COUNTERTOPS FOR TYPICAL ELEVATIONS, PLAM4 APPLIES TO SECOND FLOOR AND PLAM5 APPLIES TO FIRST FLOOR



341 North Carolina 28115, Goldsboro, NC 27530



401

[illegible]

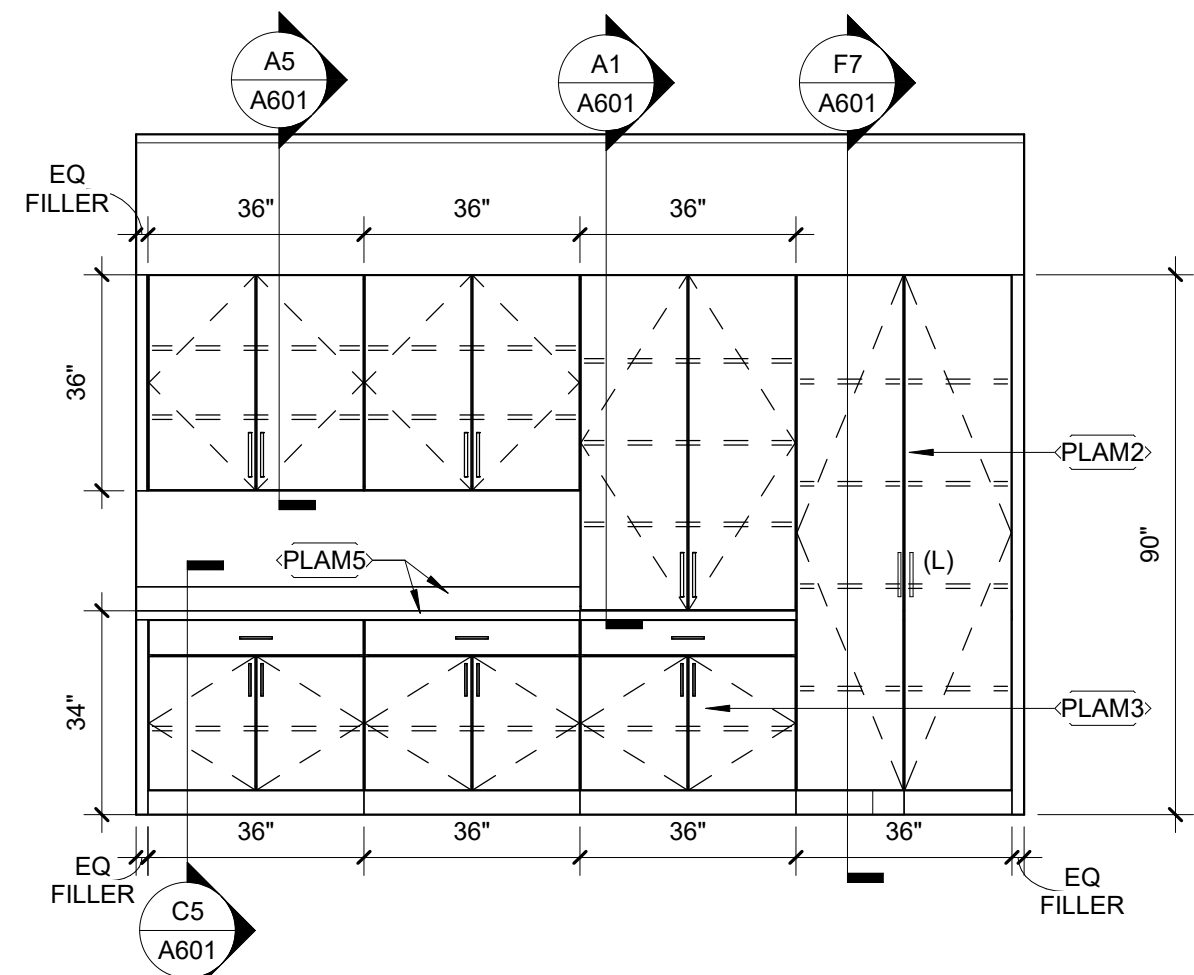
ROBERT STEVENSON  
BETH KING  
wn By: HM, NK  
Date: 1/31/2025 3:40:56 PM

BID DOCUMENTS  
01/10/2025

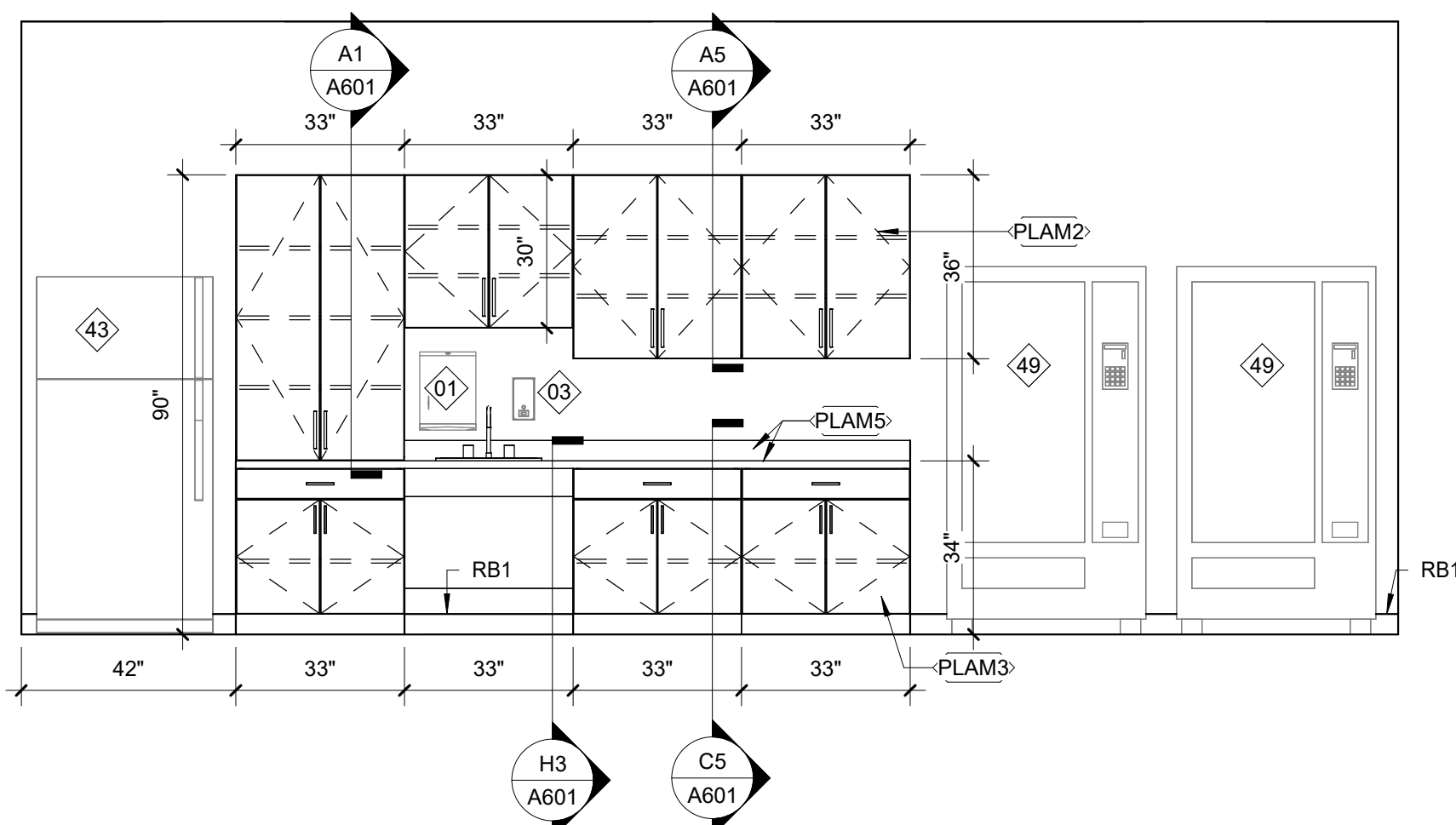
## IMPROVEMENTS

A501

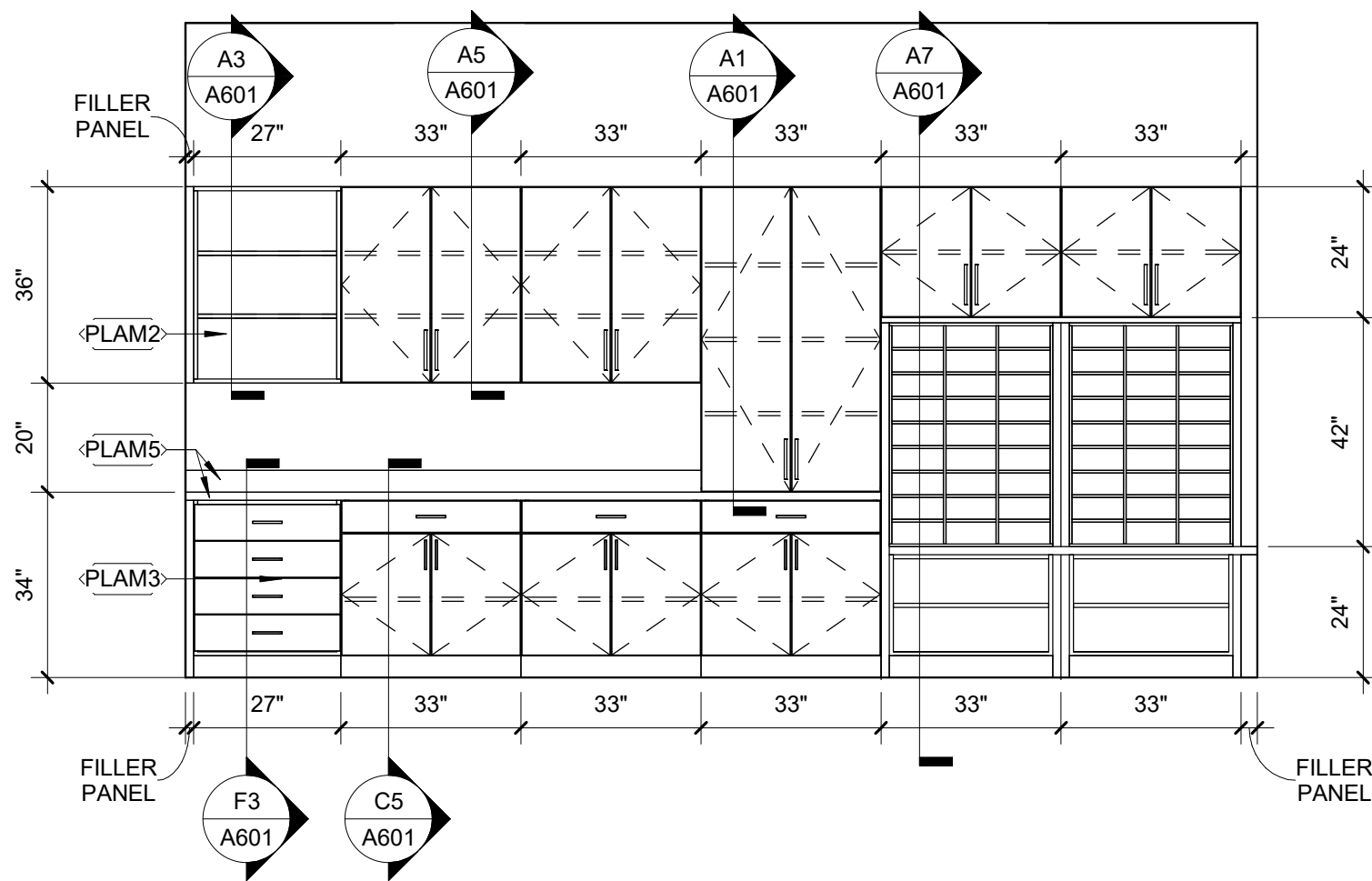




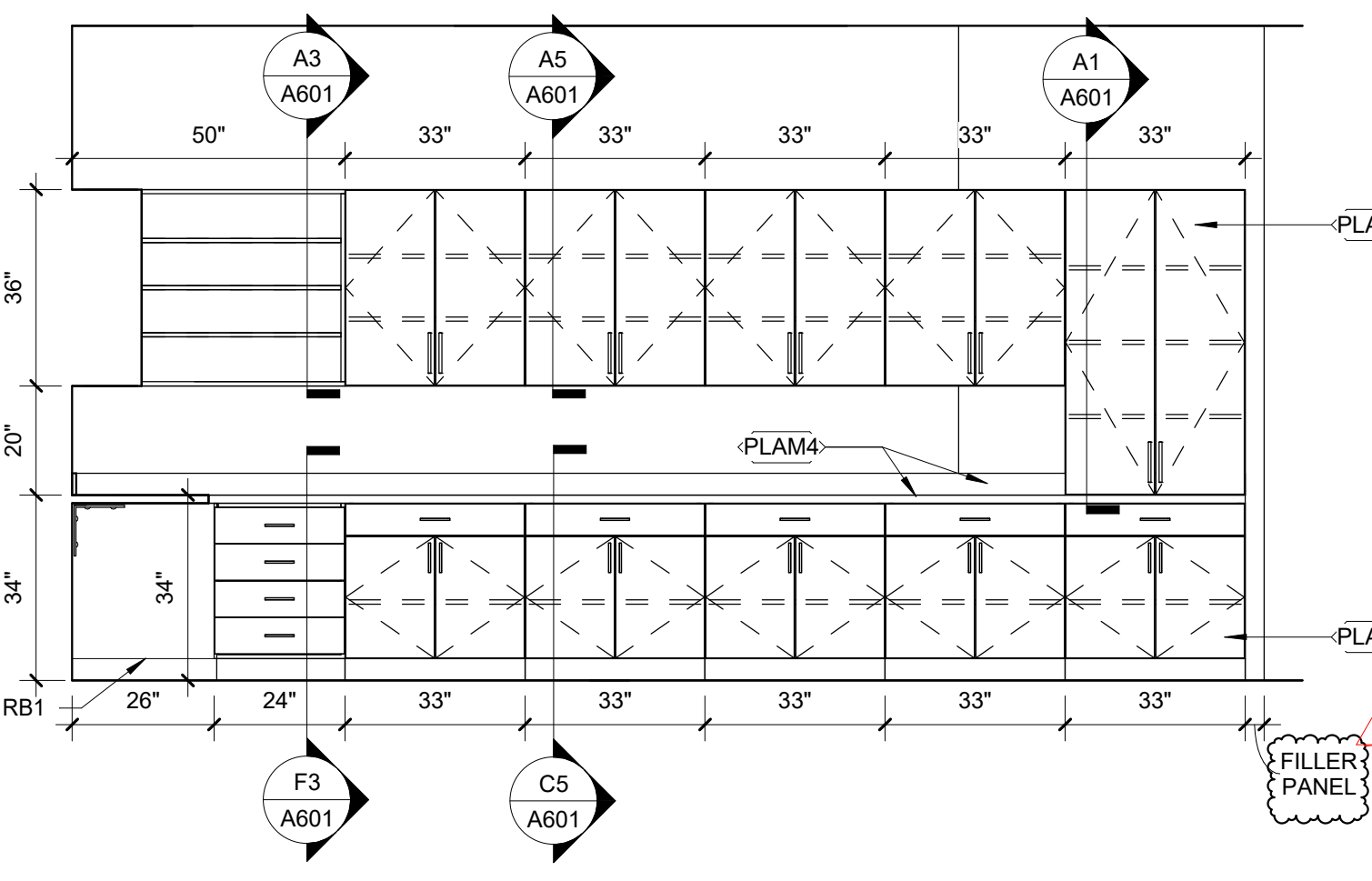
**H1** INTERIOR ELEVATION - AREA B CLASSROOM  
3/8" = 1'-0"



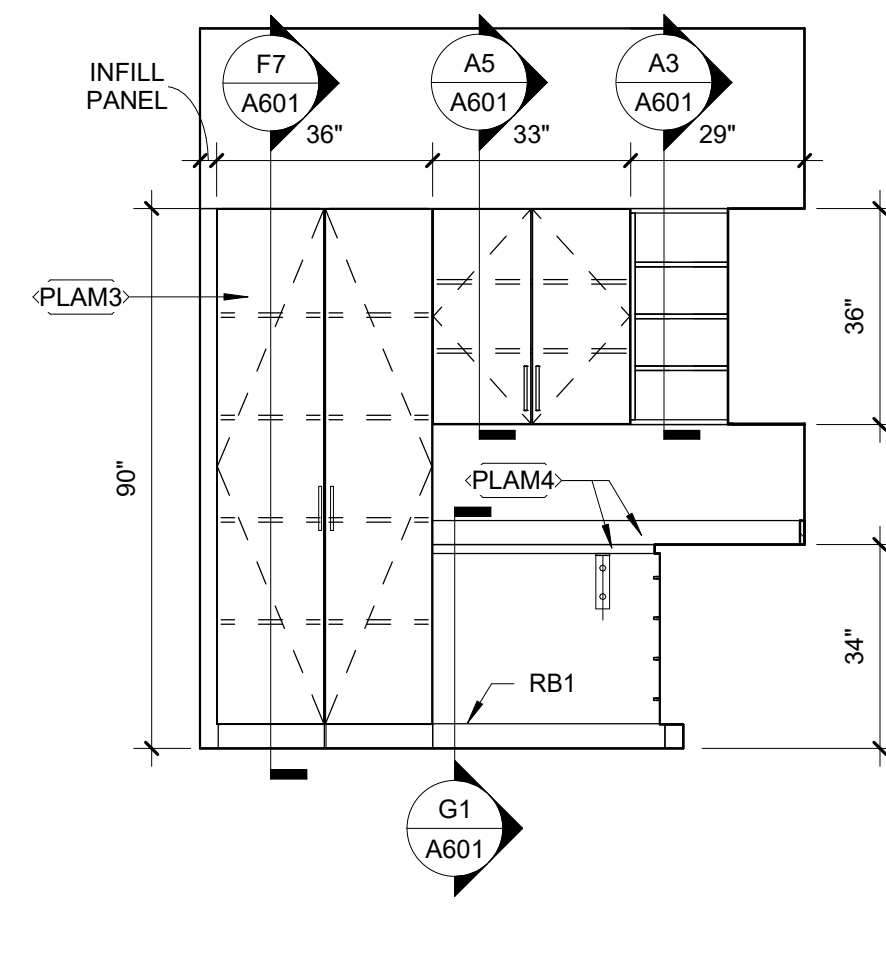
**E1** INTERIOR ELEVATION - TEACHER LOUNGE C123  
3/8" = 1'-0"



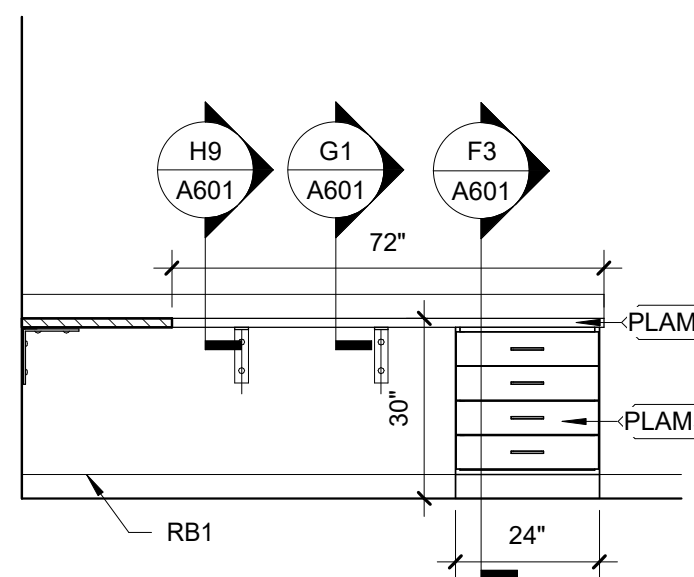
**E3** INTERIOR ELEVATION - OFFICE WORK ROOM C103  
3/8" = 1'-0"



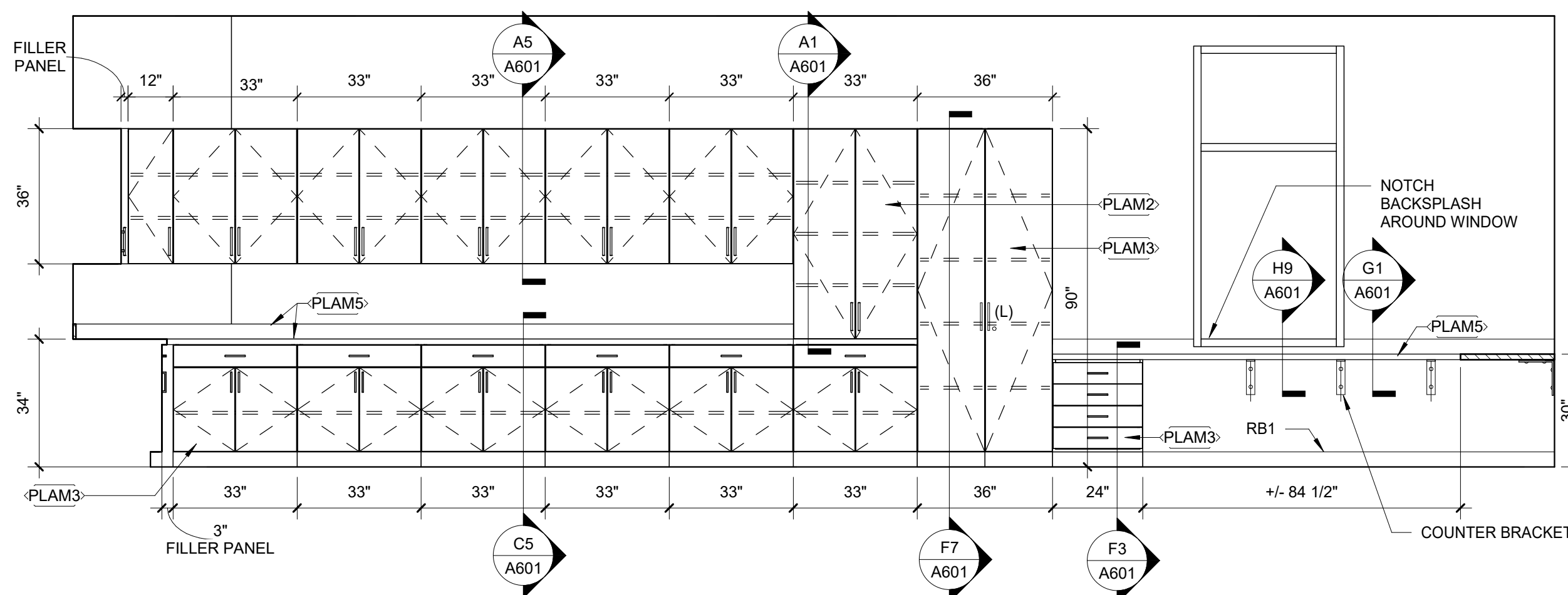
**E6** INTERIOR ELEVATION - WORK ROOM A202  
3/8" = 1'-0"



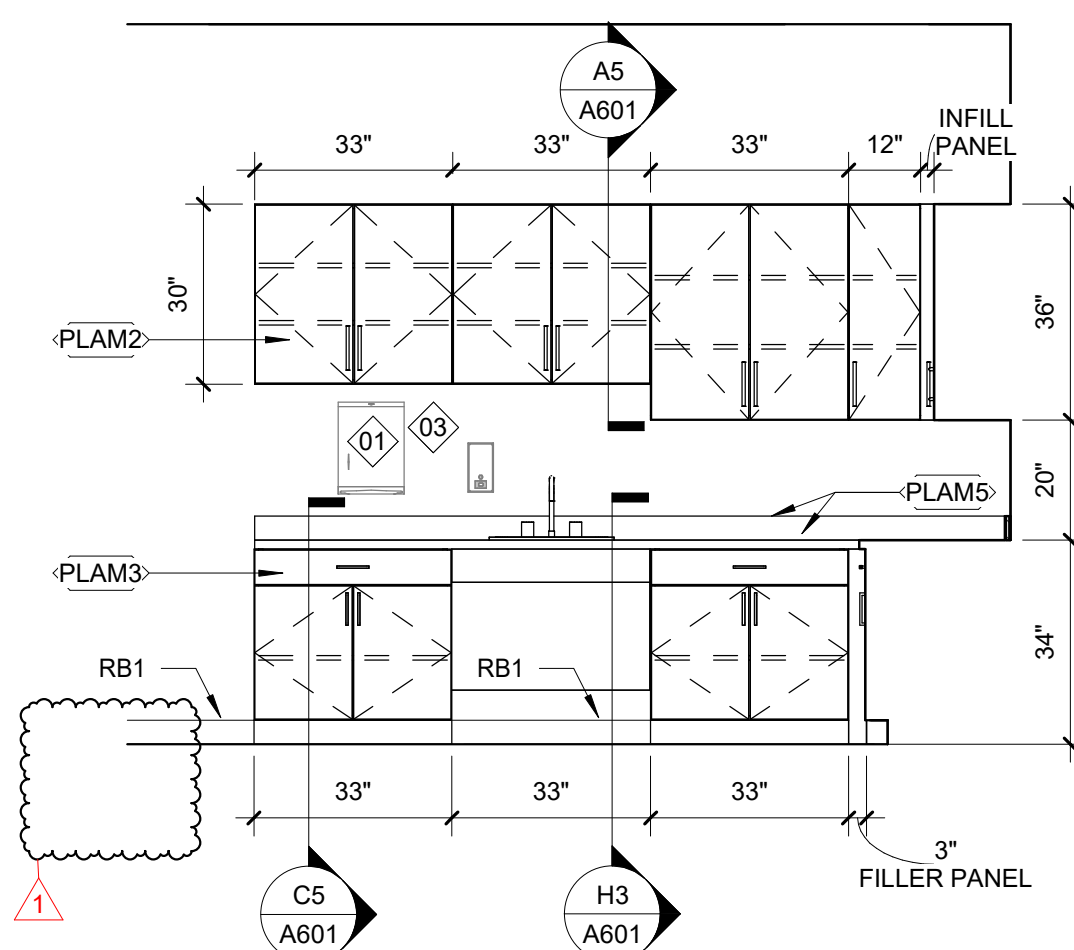
**E8** INTERIOR ELEVATION - WORK ROOM A202  
3/8" = 1'-0"



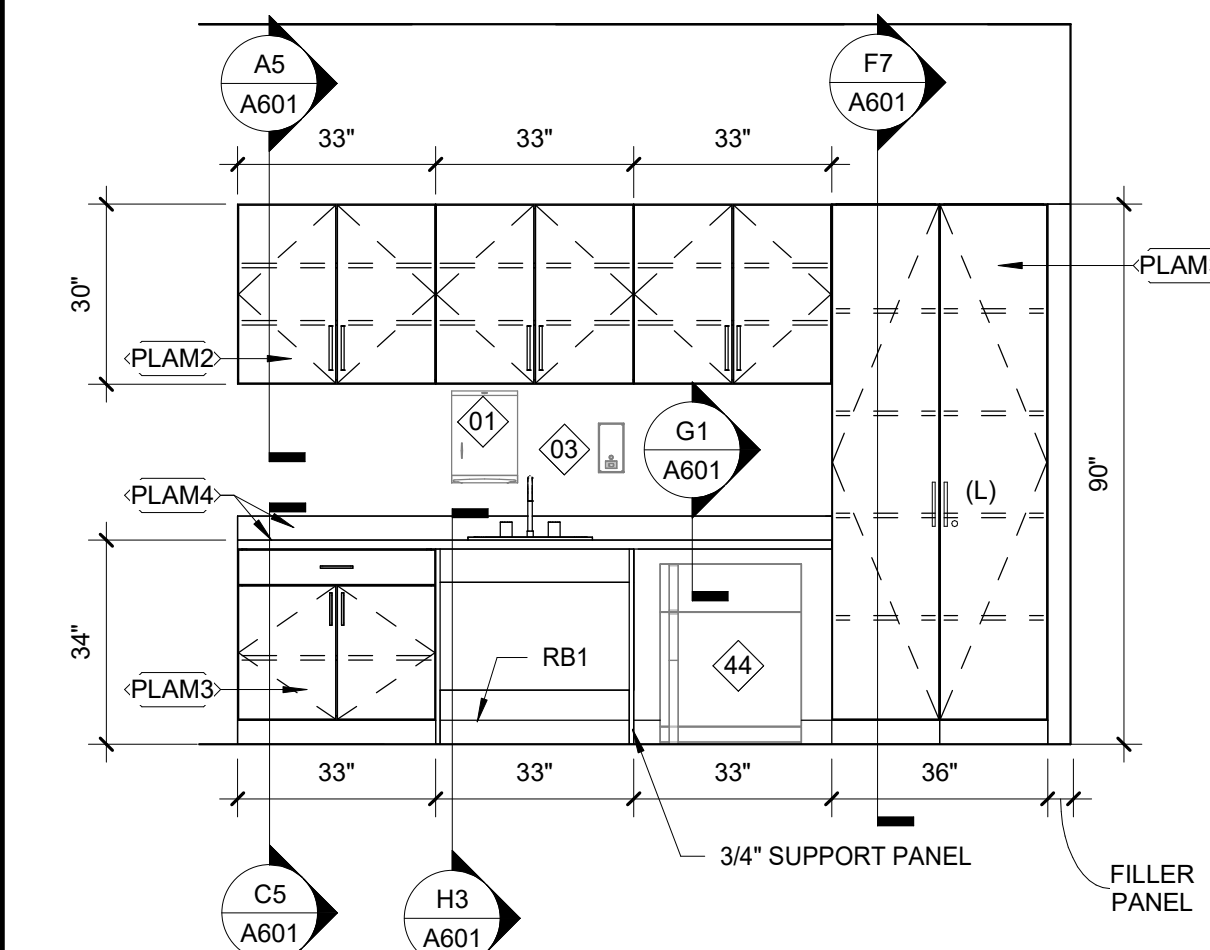
**C1** INTERIOR ELEVATION - C129A WEST  
3/8" = 1'-0"



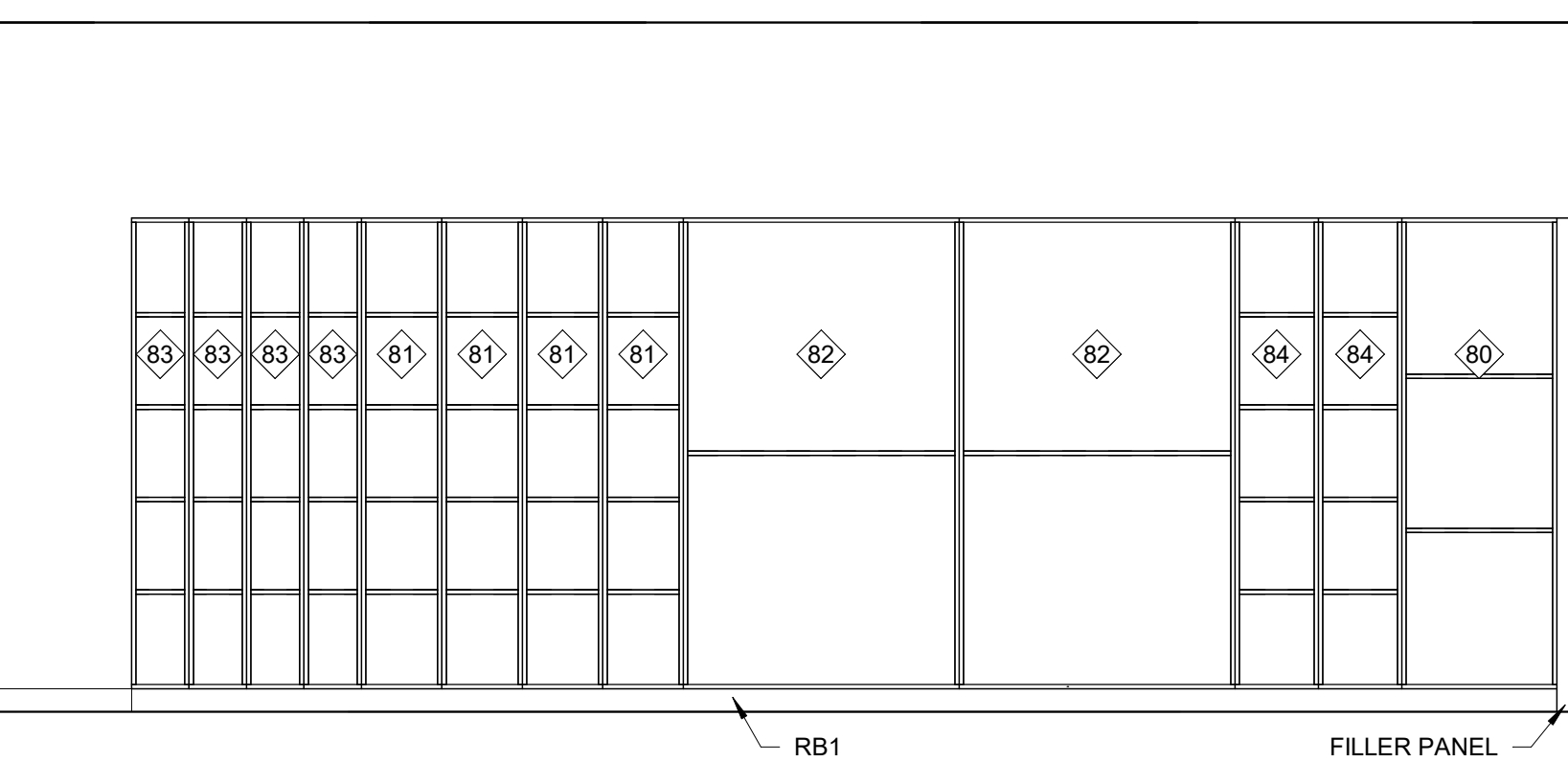
**C2** INTERIOR ELEVATION - WORK ROOM/STORAGE C129A NORTH  
3/8" = 1'-0"



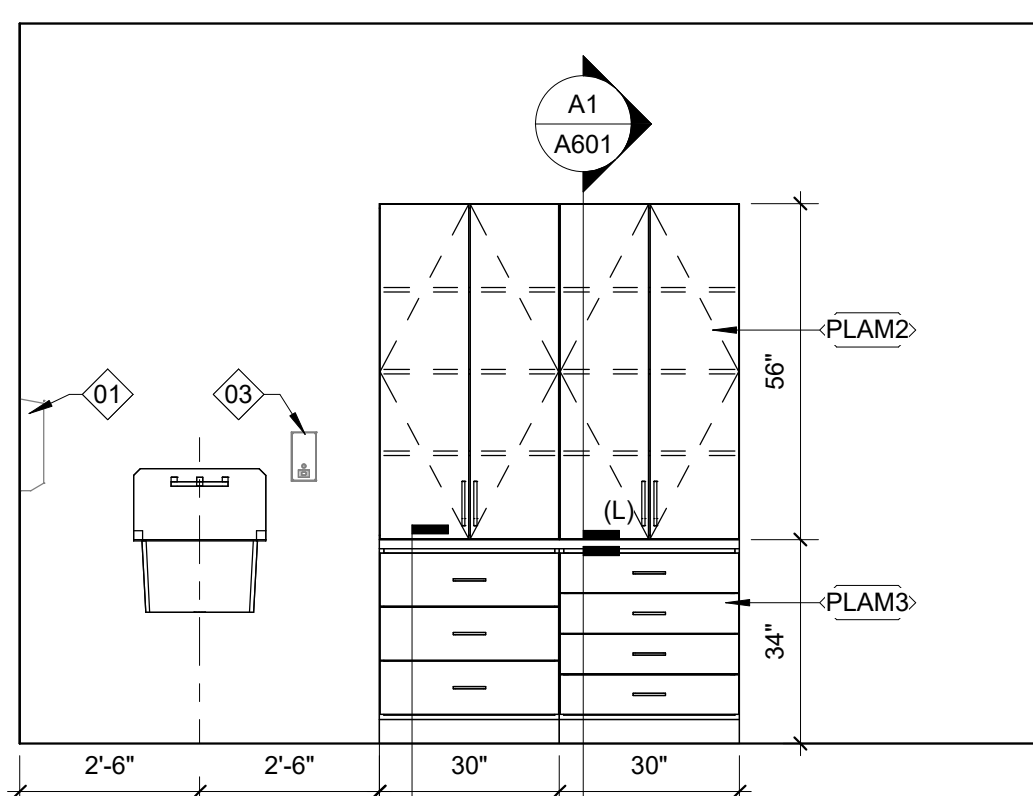
**C6** INTERIOR ELEVATION - WORK ROOM/STORAGE C129A  
3/8" = 1'-0"



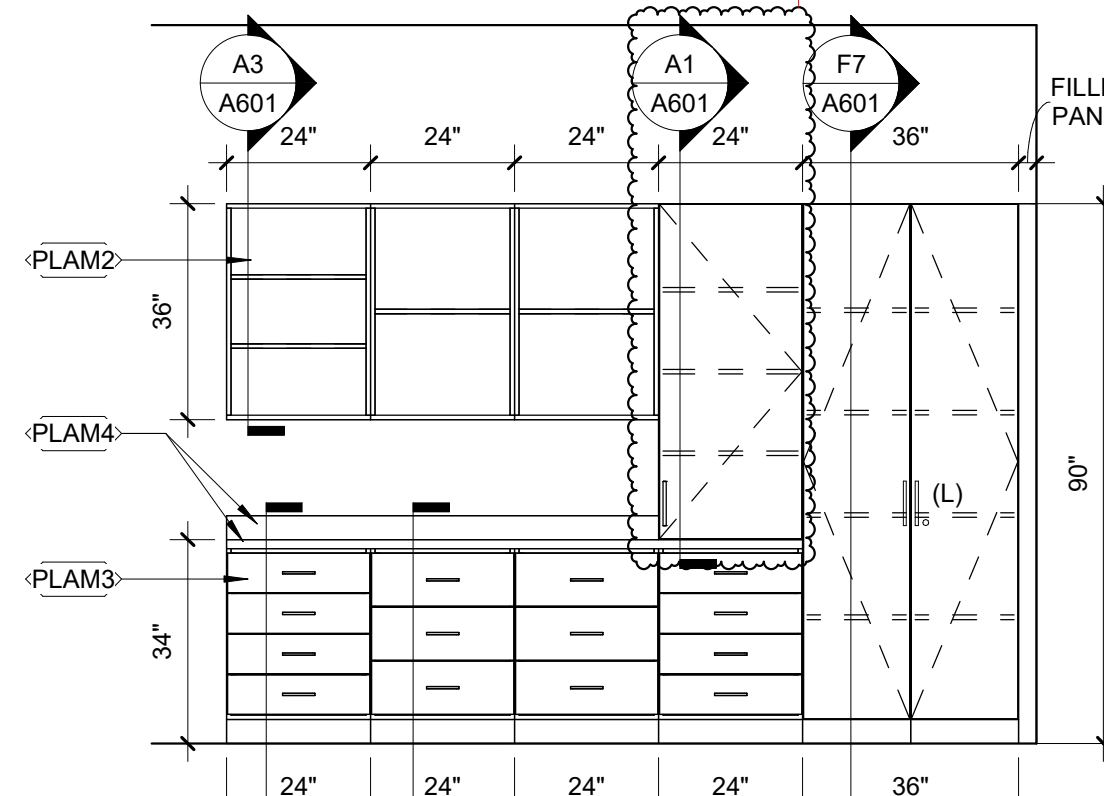
**C8** INTERIOR ELEVATION - NURSE C115  
3/8" = 1'-0"



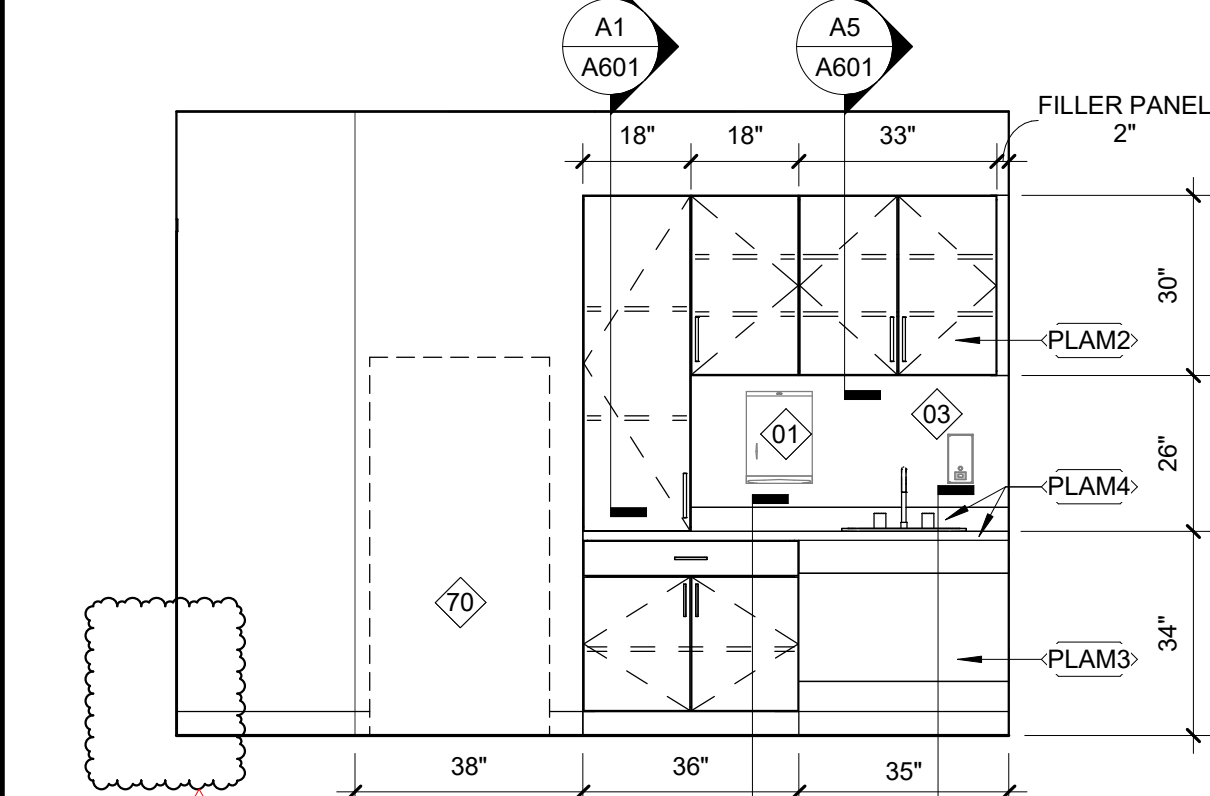
**A1** INTERIOR ELEVATION - INSTRUMENT STOR C104A EAST  
3/8" = 1'-0"



**A3** INTERIOR ELEVATION - INSTRUMENT STOR C104A WEST  
3/8" = 1'-0"



**A6** INTERIOR ELEVATION - MUSIC C106  
3/8" = 1'-0"

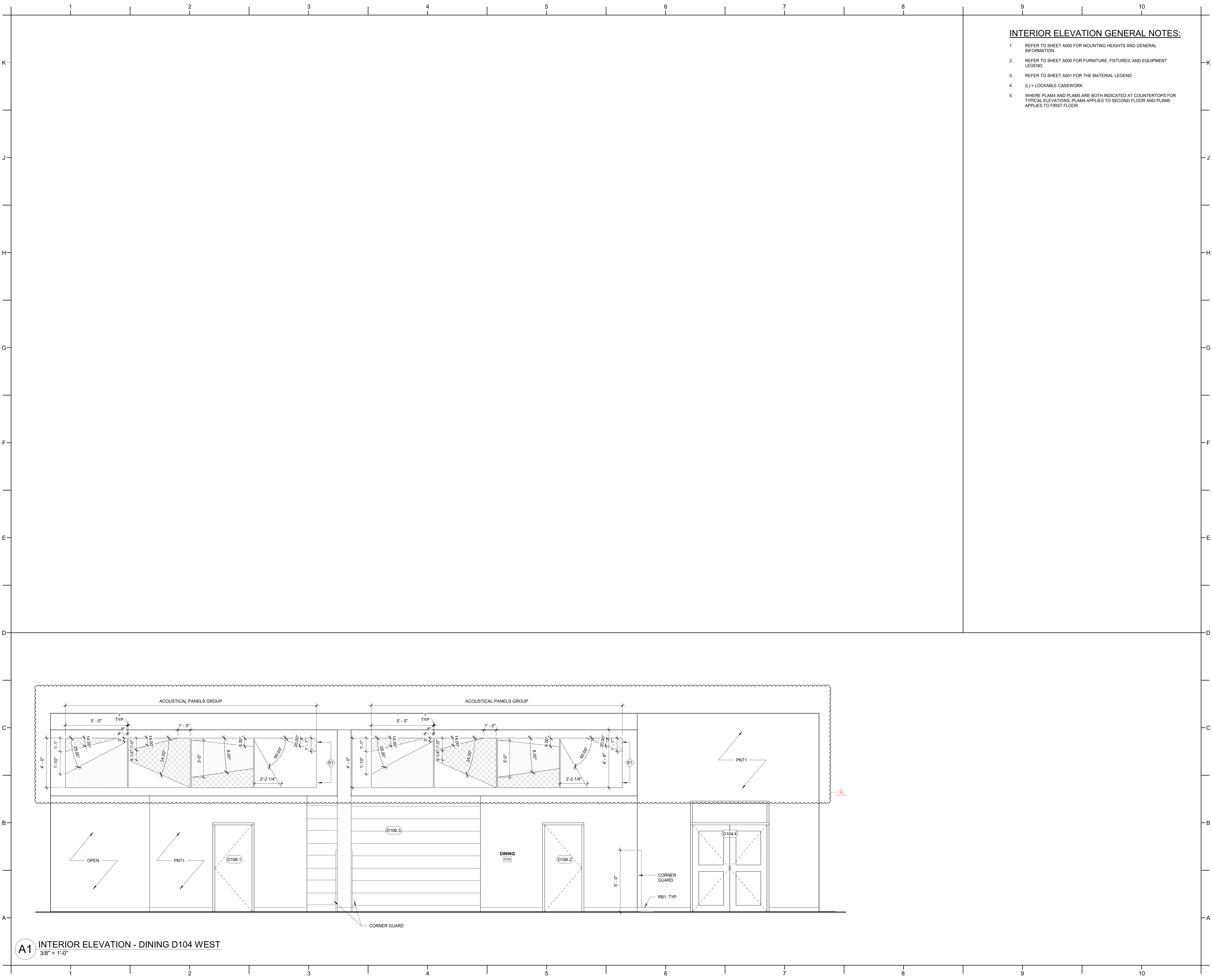


**A8** INTERIOR ELEVATION - TRAINING E109  
3/8" = 1'-0"

## INTERIOR ELEVATION GENERAL NOTES:

1. REFER TO SHEET A000 FOR MOUNTING HEIGHTS AND GENERAL INFORMATION.
2. REFER TO SHEET A000 FOR FURNITURE, FIXTURES, AND EQUIPMENT LEGEND.
3. REFER TO SHEET A001 FOR THE MATERIAL LEGEND.
4. (L) = LOCKABLE CASEWORK
5. WHERE PLAM4 AND PLAM5 ARE BOTH INDICATED AT COUNTERTOPS FOR TYPICAL ELEVATIONS, PLAM4 APPLIES TO SECOND FLOOR AND PLAM5 APPLIES TO FIRST FLOOR





INTERIOR ELEVATION GENERAL NOTES:

1. REFER TO SHEET A000 FOR MOUNTING HEIGHTS AND GENERAL INFORMATION.
2. REFER TO SHEET A000 FOR FURNITURE, FIXTURES, AND EQUIPMENT LEGEND.
3. REFER TO SHEET A001 FOR THE MATERIAL LEGEND.
4. (L) = LOCKABLE CASEWORK
5. WHERE PLAM4 AND PLAM5 ARE BOTH INDICATED AT COUNTERTOPS FOR TYPICAL ELEVATIONS, PLAM4 APPLIES TO SECOND FLOOR AND PLAM5 APPLIES TO FIRST FLOOR



PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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Drawn By: HM  
Plot Date: 1/31/2025 3:41:11 PM

DATE ISSUED

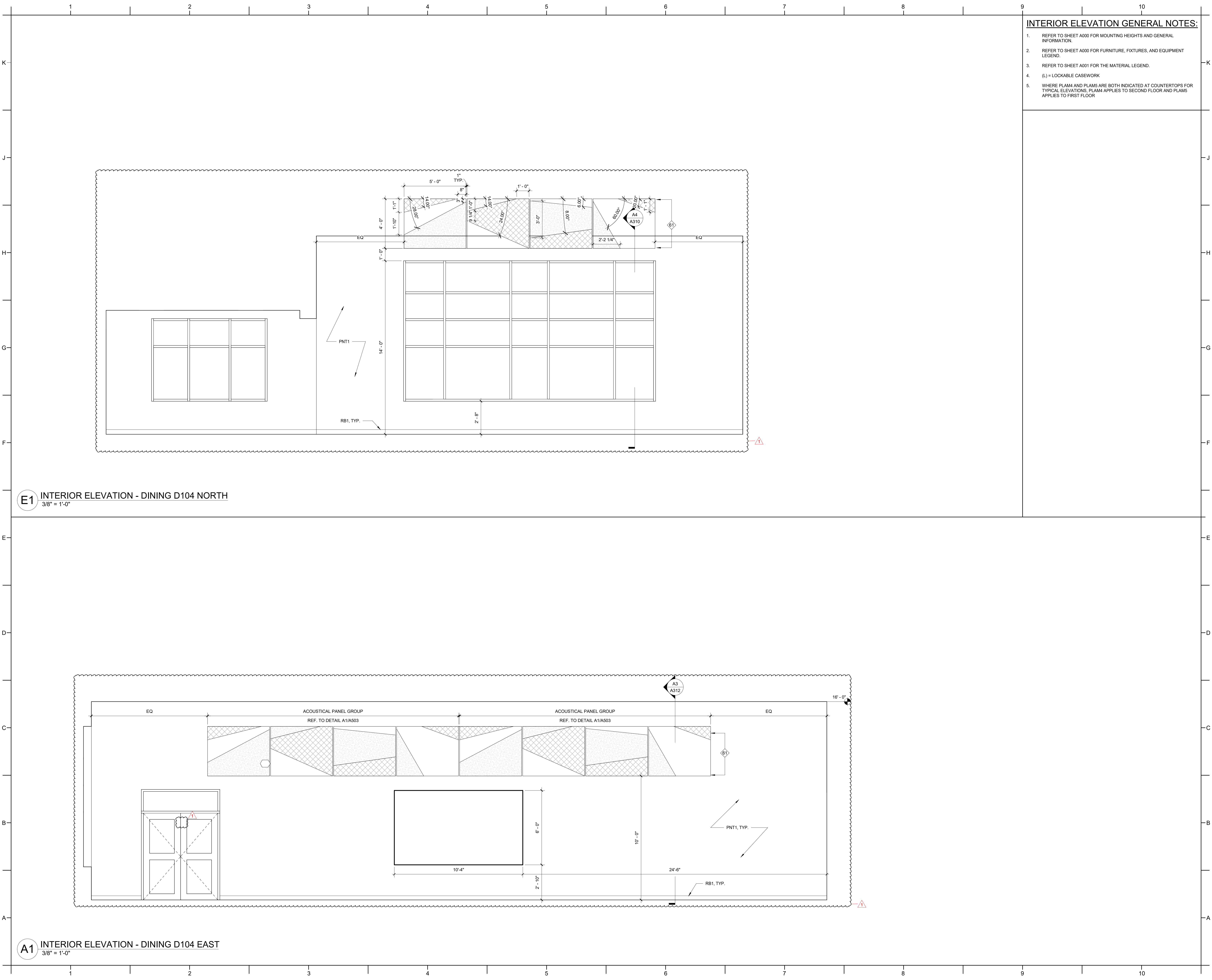
BID DOCUMENTS  
01/10/2025

SHEET TITLE

INTERIOR  
ELEVATIONS -  
DINING

A503





INTERIOR ELEVATION GENERAL NOTES:

1. REFER TO SHEET A000 FOR MOUNTING HEIGHTS AND GENERAL INFORMATION.
2. REFER TO SHEET A000 FOR FURNITURE, FIXTURES, AND EQUIPMENT LEGEND.
3. REFER TO SHEET A001 FOR THE MATERIAL LEGEND.
4. (L) = LOCKABLE CASEWORK
5. WHERE PLAM4 AND PLAM5 ARE BOTH INDICATED AT COUNTERTOPS FOR TYPICAL ELEVATIONS, PLAM4 APPLIES TO SECOND FLOOR AND PLAM5 APPLIES TO FIRST FLOOR



PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



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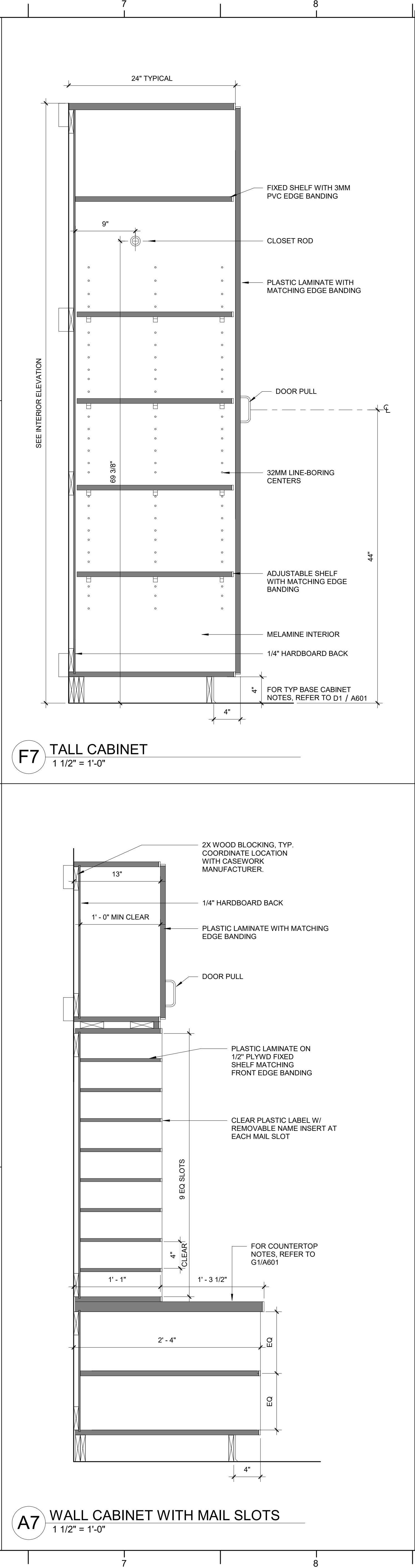
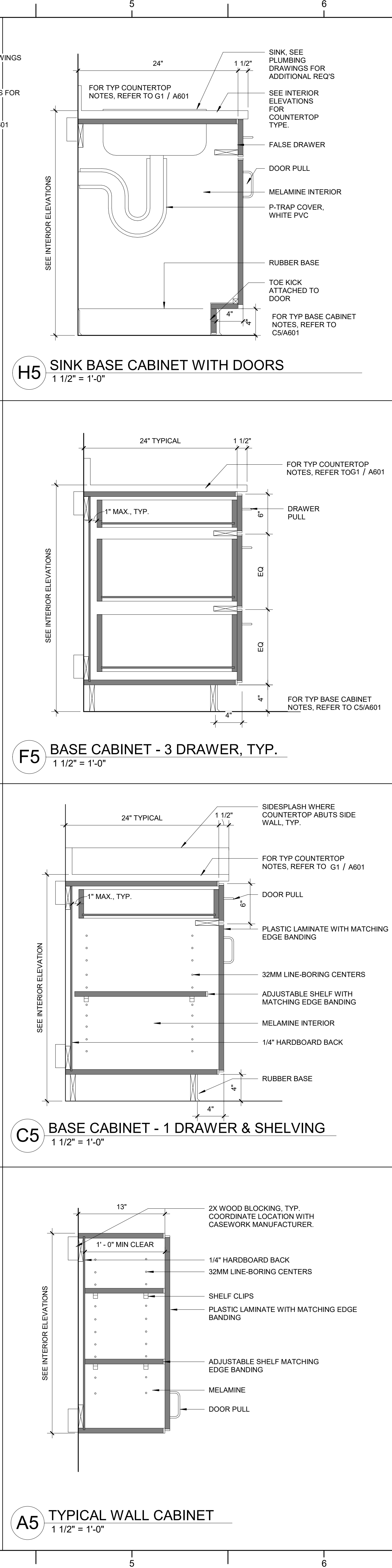
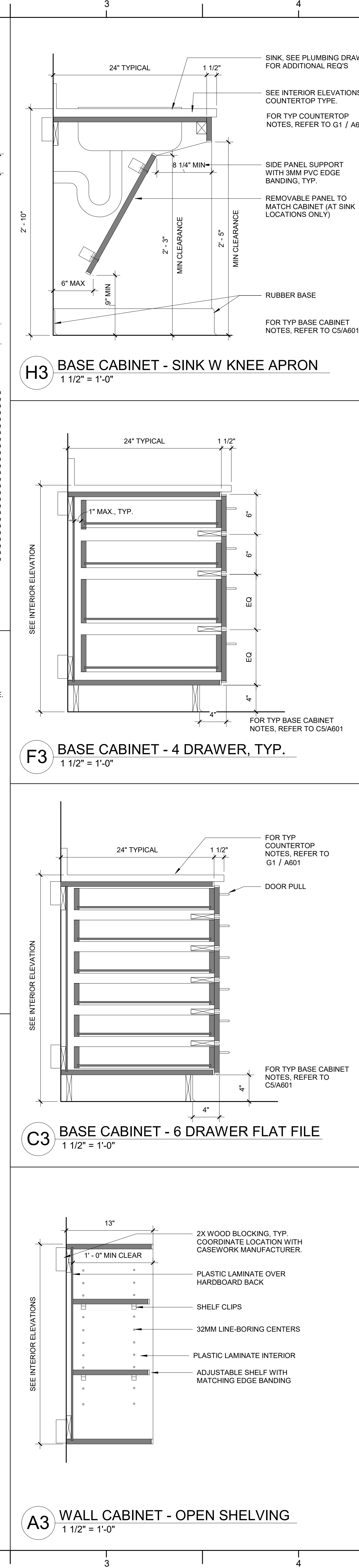
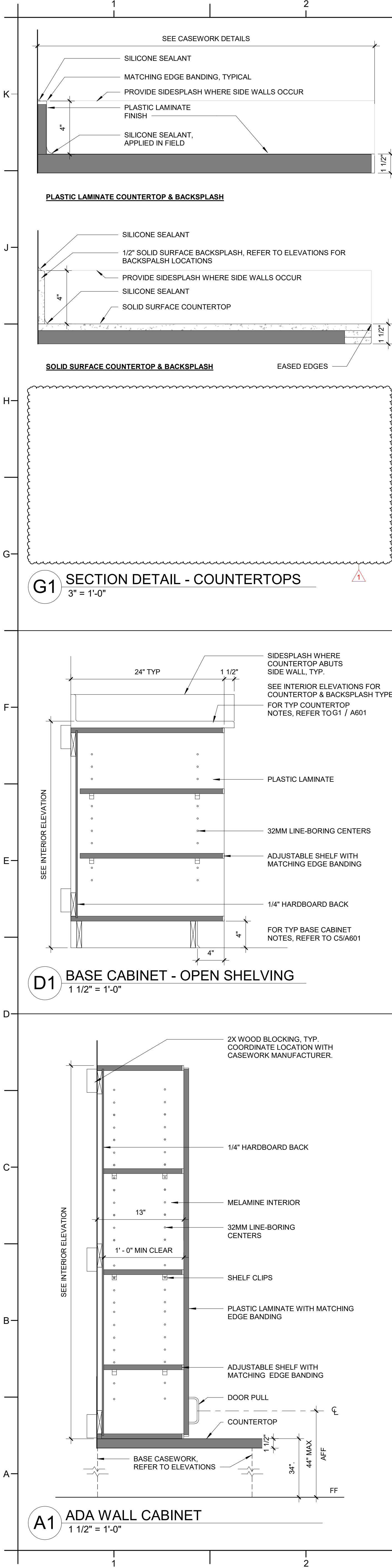
BD DOCUMENTS  
01/10/2025

SHEET TITLE

INTERIOR  
ELEVATIONS -  
DINING

A504





**CASEWORK GENERAL NOTES:**

- SHELVES WIDER THAN 30" TO BE 1" THICK. SHELVES 30" WIDE OR NARROWER TO BE 3/4" THICK, UON.
- NUMBER OF SHELVES, DOORS AND DRAWERS TO BE AS INDICATED ON INTERIOR ELEVATIONS.
- LOCKABLE CABINETS INDICATED WITH "L" ON INTERIOR ELEVATIONS.
- LAMINATE OR PVC FINISH ON ALL EXPOSED SURFACES AND EDGES, AS NOTED.
- SEE INTERIOR ELEVATIONS FOR DIMENSIONS NOT NOTED.
- OPEN CABINETS TO HAVE THE SAME FINISH ON THE INTERIOR OF THE CABINET AS THE EXTERIOR, UON.
- ALL VOIDS CREATED BY VERTICAL FILLER PANELS AT TOP OF WALL AND TALL CABINETS AND BOTTOM OF WALL CABINETS ARE TO BE FILLED WITH FILLER PANELS LAMINATED TO MATCH ADJACENT SURFACES.
- REFER TO MATERIALS LEGEND ON SHEET A001 FOR FINISH COLORS DESIGNATED IN BRACKETS.

**COUNTERTOP SUPPORT BRACKET DETAIL**  
1 1/2" = 1'-0"

REFER TO ELEVATIONS FOR COUNTERTOP TYPE  
METAL SUPPORT BRACKET, 30" ON CENTER, ANCHORED TO IN-WALL BLOCKING OR MASONRY  
SCHEDULED PARTITION

SEE INTERIOR ELEVATIONS  
2X WOOD BLOCKING, TYP. COORDINATE LOCATION WITH CASEWORK MANUFACTURER.  
1" - 0" MIN CLEAR  
PLASTIC LAMINATE WITH MATCHING EDGE BANDING  
1/4" HARDBOARD BACK  
DOOR PULL  
EXHAUST HOOD, SEE SPECIFICATIONS

**F9 WALL CABINET - ABOVE HOOD**  
1 1/2" = 1'-0"

**SEALS**

**DKA JOB NUMBER**  
2401

**REVISIONS**

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**DATE ISSUED**  
01/10/2025

**BID DOCUMENTS**

**SHEET TITLE**  
CASEWORK DETAILS

**A601**

**DAVIS KANE ARCHITECTS, P.A.**  
503 OBERLIN ROAD | SUITE 300  
RALEIGH, NC 27605  
919.833.3737  
www.davis-kane.com

**PROJECT INFORMATION**

**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS**

541 North Carolina 581 S, Goldsboro, NC 27530

**SEALS**

**DKA JOB NUMBER**  
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**REVISIONS**

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**DATE ISSUED**  
01/10/2025

**BID DOCUMENTS**

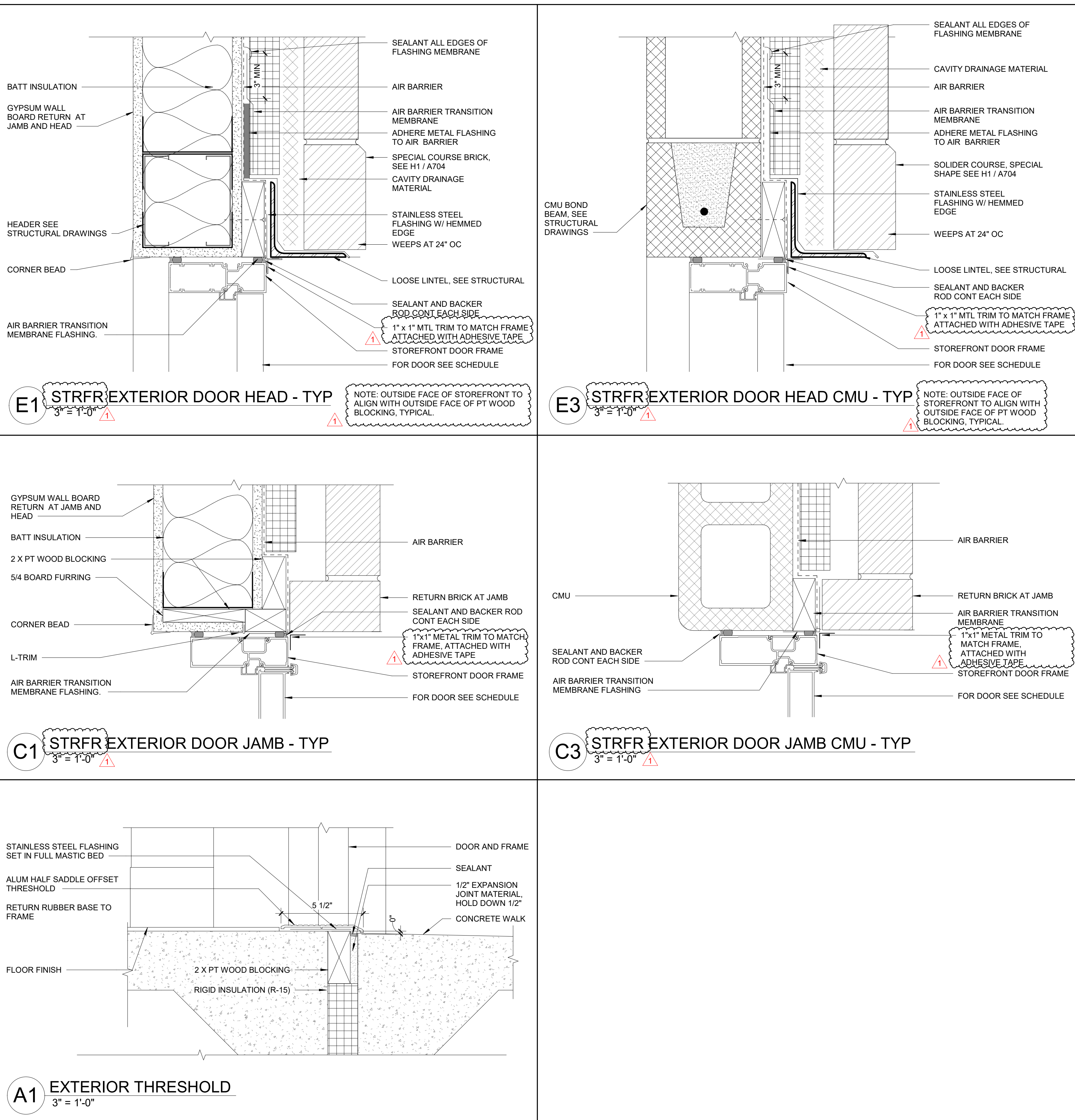
**SHEET TITLE**  
CASEWORK DETAILS

**A601**

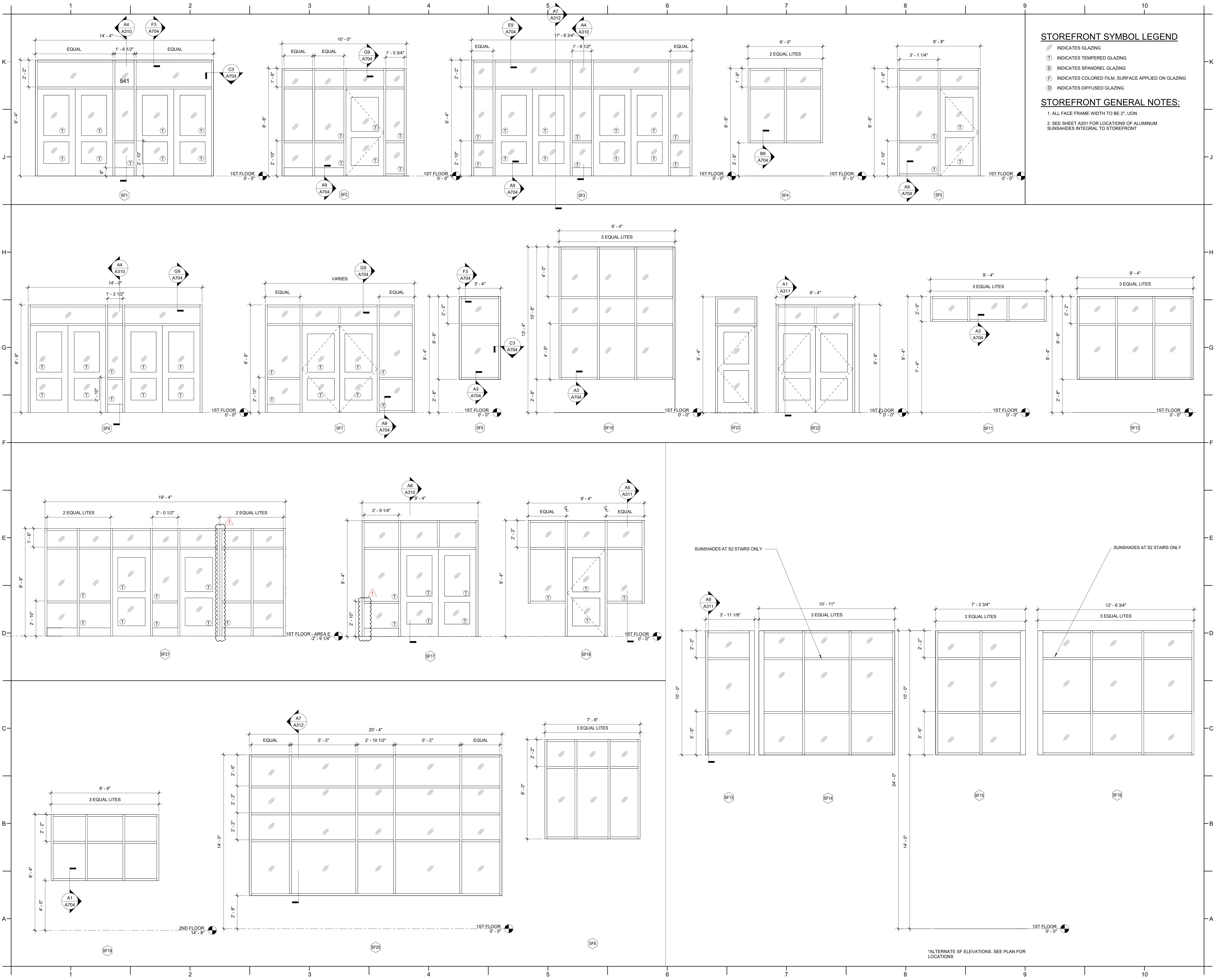


DOOR SCHEDULE													
DOOR NUMBER	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	FRAME MATERIAL	FINISH	FIRE RATING	HARDWARE	SIGN TYPE	COMMENTS
A100A	C	(2) 3'-0"	7'-0"	0'-1 3/4"	HM	PNT	II	HM	PNT	90 MIN	I24	H	CARD READER, BASE BID OR BID ALT 01
A101	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I11	A	
A102	A	3'-0"	7'-0"	0'-1 3/4"	FRP	FACT	III	ALUM	FACT		E7	E	LOUVER GLAZED INTO TRANSOM
A103	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		E19	A	
A104	A	3'-0"	7'-0"	0'-1 3/4"	FRP	FACT	III	ALUM	FACT		E8	E, N	LOUVER GLAZED INTO TRANSOM
A105	A	3'-6"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I9	T	
A106	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
A108.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A108.2	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A108.3	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I15	A	
A109	A	2'-6"	7'-0"	0'-1 3/4"	HM	STAIN	II	HM	PNT		I11	A	
A110	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A112	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A113.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A113.2	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E6, A, B	A, B	*SEE STOREFRONT ELEVATIONS
A113A	A	3'-6"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I8	T	
A114	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A115	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A115A	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I15	A	
A116	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A117	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A201.1	A	(2) 3'-0"	7'-0"	0'-1 3/4"	HM	PNT	II	HM	PNT	90 MIN	I31	E	
A201.2	A	(2) 3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I17	A	
A202	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
A202A	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I9	T	
A204.1	C	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	II	HM	PNT		I15	A	
A204.2	C	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	II	HM	PNT		I15	A	
A205	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I11	A	
A206	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A208	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A209.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A209.2	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A209.3	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I15	A	
A210	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A211	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I9	T	
A212	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A213.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A213.2	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
A213.3	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I13	A	
A215	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
B100	EXISTING	3'-0"	6'-11"	0'-1 3/4"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING		E10		EXISTING TO REMAIN
C100A	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E6	B	*SEE STOREFRONT ELEVATIONS
C101.1	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I4	A	*SEE STOREFRONT ELEVATIONS
C101.2	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I4	A	CARD READER, *SEE STOREFRONT ELEVATIONS
C101.3	B	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I20	A	
C102.1	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E1	B	CARD READER, *SEE STOREFRONT ELEVATIONS
C102.2	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I1		CARD READER, *SEE STOREFRONT ELEVATIONS
C102.3	C	3'-0"	6'-11"	0'-1 3/4"	-	-	-	-	-				EXISTING TO REMAIN
C103.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C103.2	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
C104.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I16	A	KERFED FRAME
C104.2	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E6	A, B	*SEE STOREFRONT ELEVATIONS
C104.3	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C104A	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C105	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	F	
C106.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I16	A	KERFED FRAME
C106.2	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E6	A, B	*SEE STOREFRONT ELEVATIONS
C106.3	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C107	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	F	
C108.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I15	A	
C108.2	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E5	A, B	CARD READER, *SEE STOREFRONT ELEVATIONS
C108A	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I12	A	
C108B	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT	45 MIN	I23	A	KERFED FRAME
C109	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I11	E	DOOR TO SWING 180 DEGREES
C111	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C113	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	F	
C115.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	E	
C115.2	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I8	E	
C115A	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I9	D	
C117	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	F	
C119	A	(2) 3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I18	A	KERFED FRAME
C121.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	A	
C121.2	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	A	
C123.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
C123.2	C	3'-6"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
C125	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I9	D	
C127	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I9	D	
C129.1	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I21	E	*SEE STOREFRONT ELEVATIONS
C129.2	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E6	A, B	*SEE STOREFRONT ELEVATIONS
C129A	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C131.1	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C131.2	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
C133.1	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
C133.2	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
C200	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	PAINT	II	HM	PNT				
D100.1	C	(2) 3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I22		
D100.2	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E2	B	CARD READER, *SEE STOREFRONT ELEVATIONS
D101.1	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E3	B	*SEE STOREFRONT ELEVATIONS
D101.2	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E1	B	*SEE STOREFRONT ELEVATIONS
D101.3	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I2		*SEE STOREFRONT ELEVATIONS
D101.4	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I1		CARD READER, *SEE STOREFRONT ELEVATIONS
D103	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I5		
D103A	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I6	A	
D103B	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I6	A	
D103C	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I6	A	
D103D	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	I	HM	PNT		I12	A	
D104.1	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I19	A	*SEE STOREFRONT ELEVATIONS
D104.2	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		I19	A	*SEE STOREFRONT ELEVATIONS
D104.3	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E3	B	*SEE STOREFRONT ELEVATIONS
D104.4	D	(2) 3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E2	B	*SEE STOREFRONT ELEVATIONS
D104A	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
D106.1	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I25	A	DOOR TO SWING 180 DEGREES, PROVIDE HOLD-OPEN
D106.2	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I25	A	DOOR TO SWING 180 DEGREES, PROVIDE HOLD-OPEN
D106.3	B	14'-0"	10'-8"	0'-1 3/4"	-	-	-	-	-				COILING GRILLE
D106.4	D	3'-0"	7'-0"	0'-1 3/4"	ALUM	FACT	*	ALUM	FACT		E6	B	CARD READER, *SEE STOREFRONT ELEVATIONS
D107	A	2'-0"	7'-0"	0'-1 3/4"	HM	PNT	II	HM	PNT		I11	A	
D108	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
D110	E	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I6	F	
D112	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	E	
D113	A	(2) 3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I14	E	DOORS TO SWING 180 DEGREES
D114	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
D115.1	A	4'-0"	7'-0"	0'-1 3/4"	FRP	FACT	II	ALUM	FACT		E8	E	
D115.2	A	4'-0"	7'-0"	0'-1 3/4"	FRP	FACT	II	ALUM	FACT		E8	E	
D116	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I7	A	
D116A	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I9	D	
D118	A	(2) 3'-0"	7'-0"	0'-1 3/4"	FRP	FACT	II	ALUM	FACT		E9	B	CARD READER, PEEP HOLE
D120	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	STAIN	II	HM	PNT		I13	A	
E101	A	3'-0"	7'-0"	0'-1 3/4"	HM	PNT	II	HM	PNT		I11	A	DOOR TO SWING 180 DEGREES
E102	A	3'-0"	7'-0"	0'-1 3/4"	HM	PNT	II	HM	PNT		I11	A	DOOR TO SWING 180 DEGREES
E103	A	3'-6"	7'-0"	0'-1 3/4"	HM	PNT	II	HM	PNT		I14	A	
E104	A	3'-0"	7'-0"	0'-1 3/4"	HM	PNT	II	HM	PNT		I10	D	
E105	E	(2) 3'-0"	7'-0"	0'-1 3/4									









STOREFRONT SYMBOL LEGEND

- INDICATES GLAZING
- INDICATES TEMPERED GLAZING
- INDICATES SPANDREL GLAZING
- INDICATES COLORED FILM, SURFACE APPLIED ON GLAZING
- INDICATES DIFFUSED GLAZING

STOREFRONT GENERAL NOTES:

- ALL FACE FRAME WIDTH TO BE 2" UON
- SEE SHEET A201 FOR LOCATIONS OF ALUMINUM SUNSHADES INTEGRAL TO STOREFRONT

PROJECT INFORMATION

**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2/3/2025

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PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: LMY  
Plot Date: 1/31/2025 3:42:08 PM

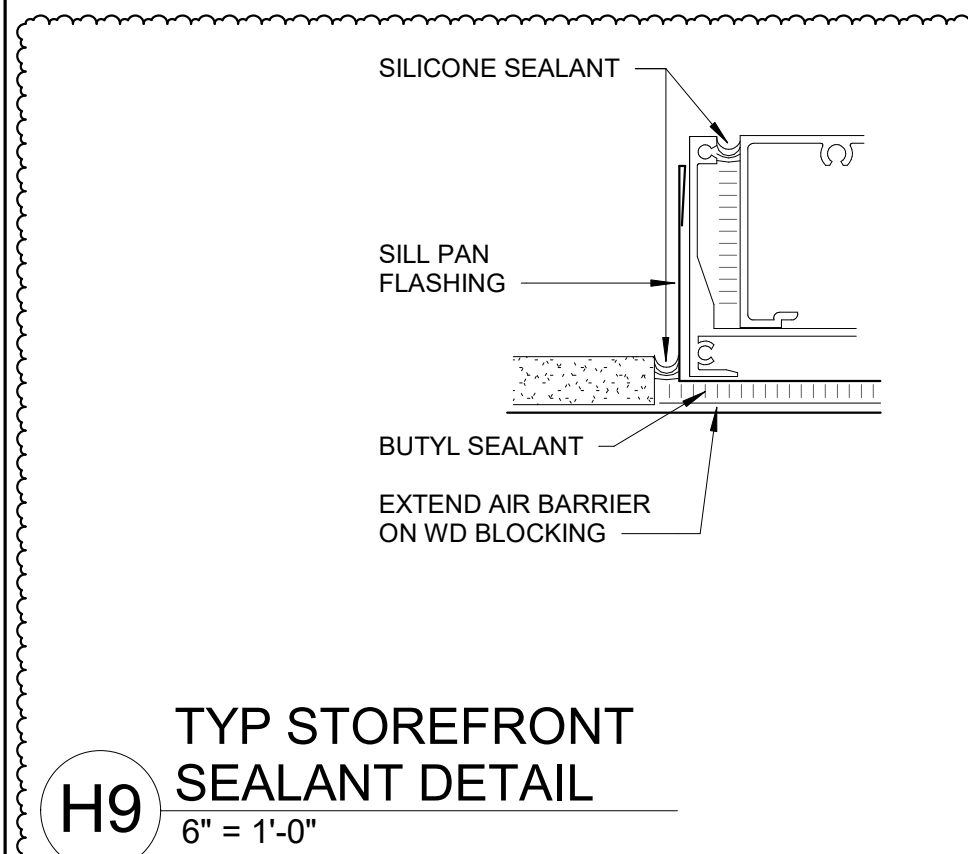
DATE ISSUED

BID DOCUMENTS  
01/10/2025

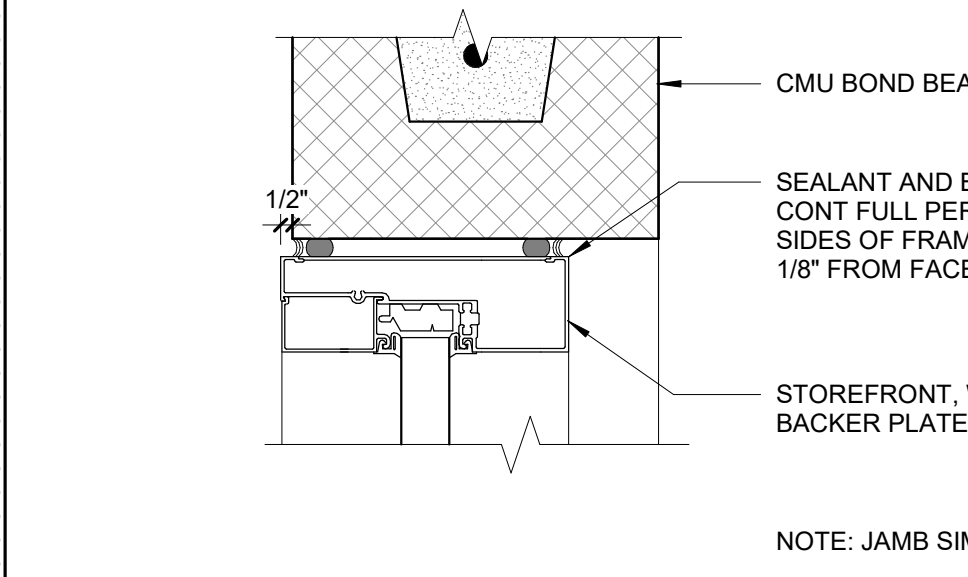
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ELEVATIONS

**A703**

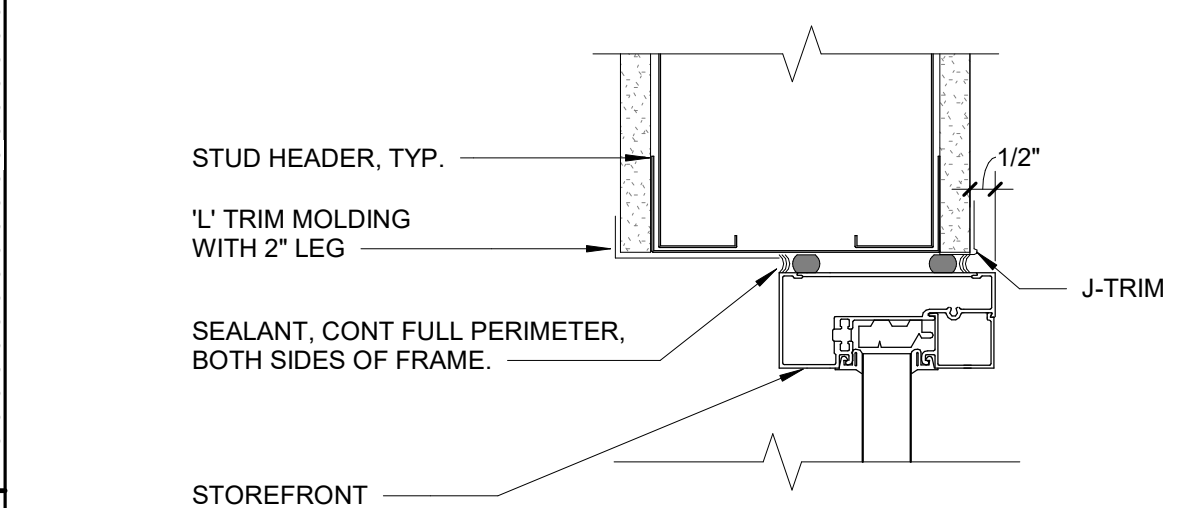




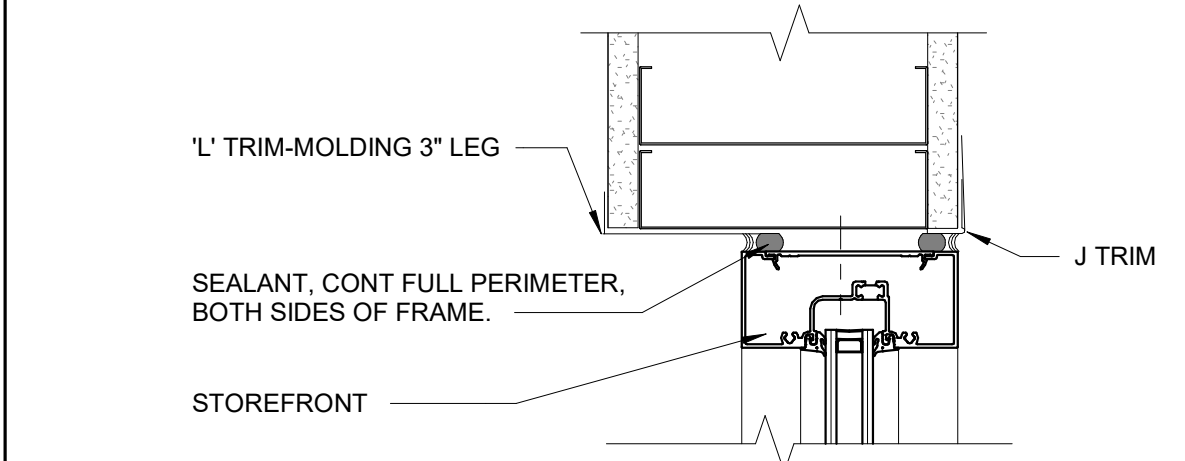
H9 TYP STOREFRONT SEALANT DETAIL  
6" = 1'-0"



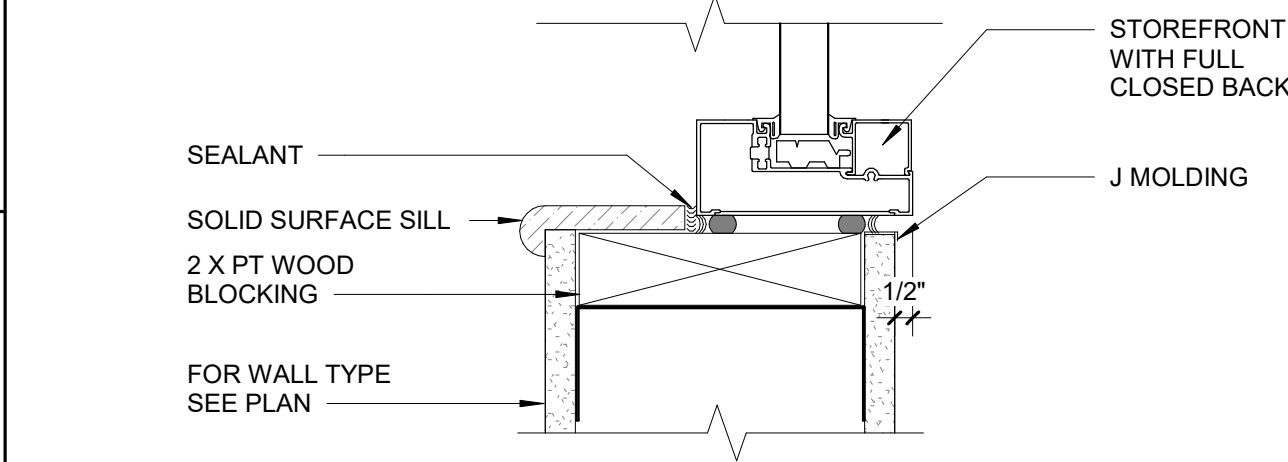
G9 TYP INT STOREFRONT HEAD AT CMU  
3" = 1'-0"



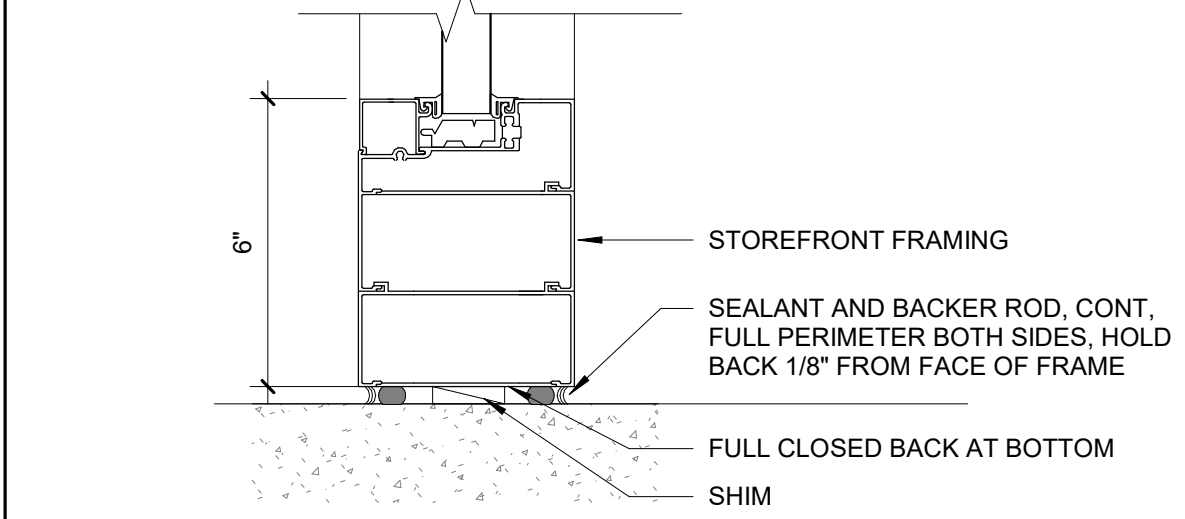
E9 TYP INT STOREFRONT HEAD GWB  
3" = 1'-0"



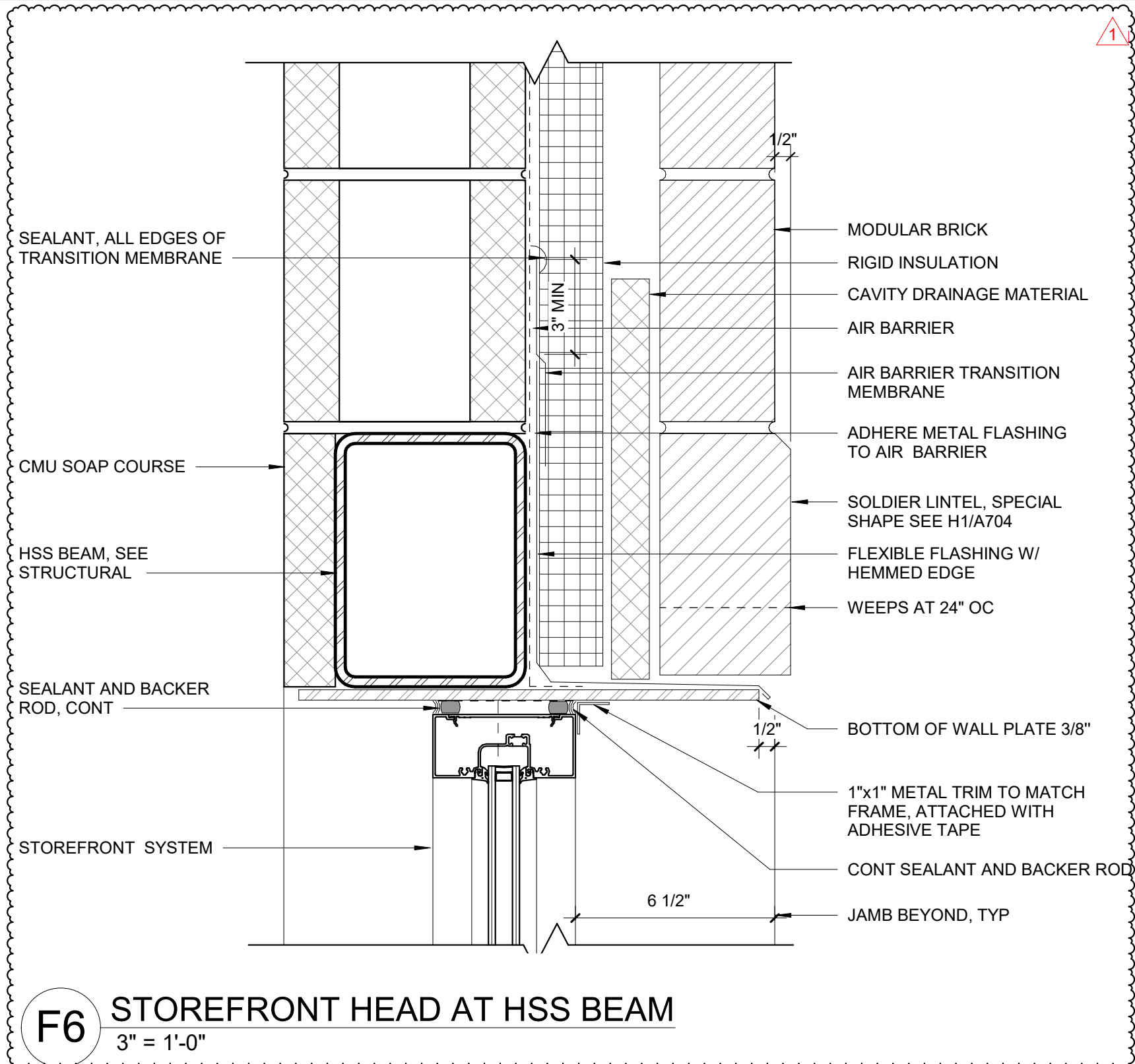
D9 TYP INT STOREFRONT JAMB AT GWB  
3" = 1'-0"



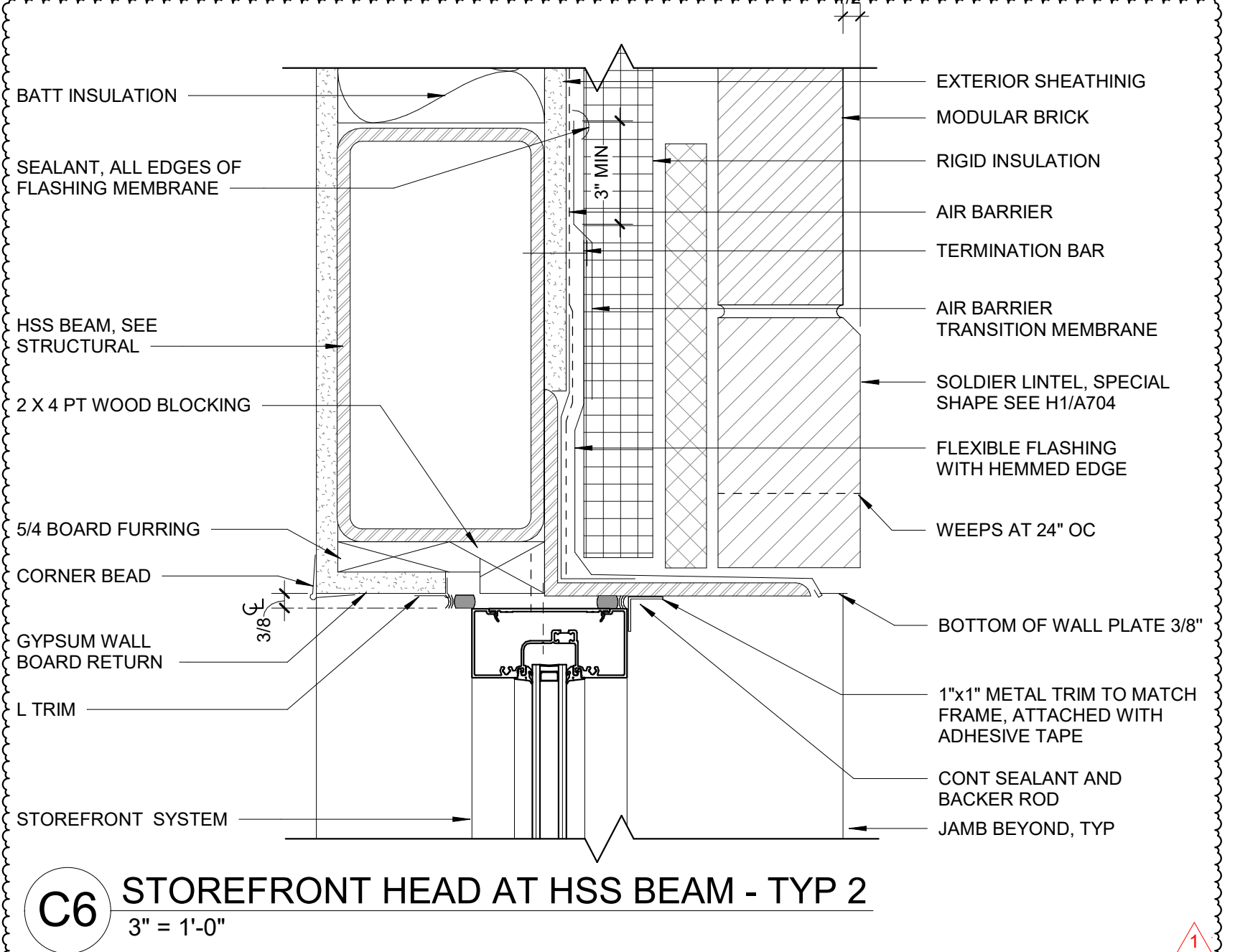
B9 TYP INT STOREFRONT SILL AT WALL  
3" = 1'-0"



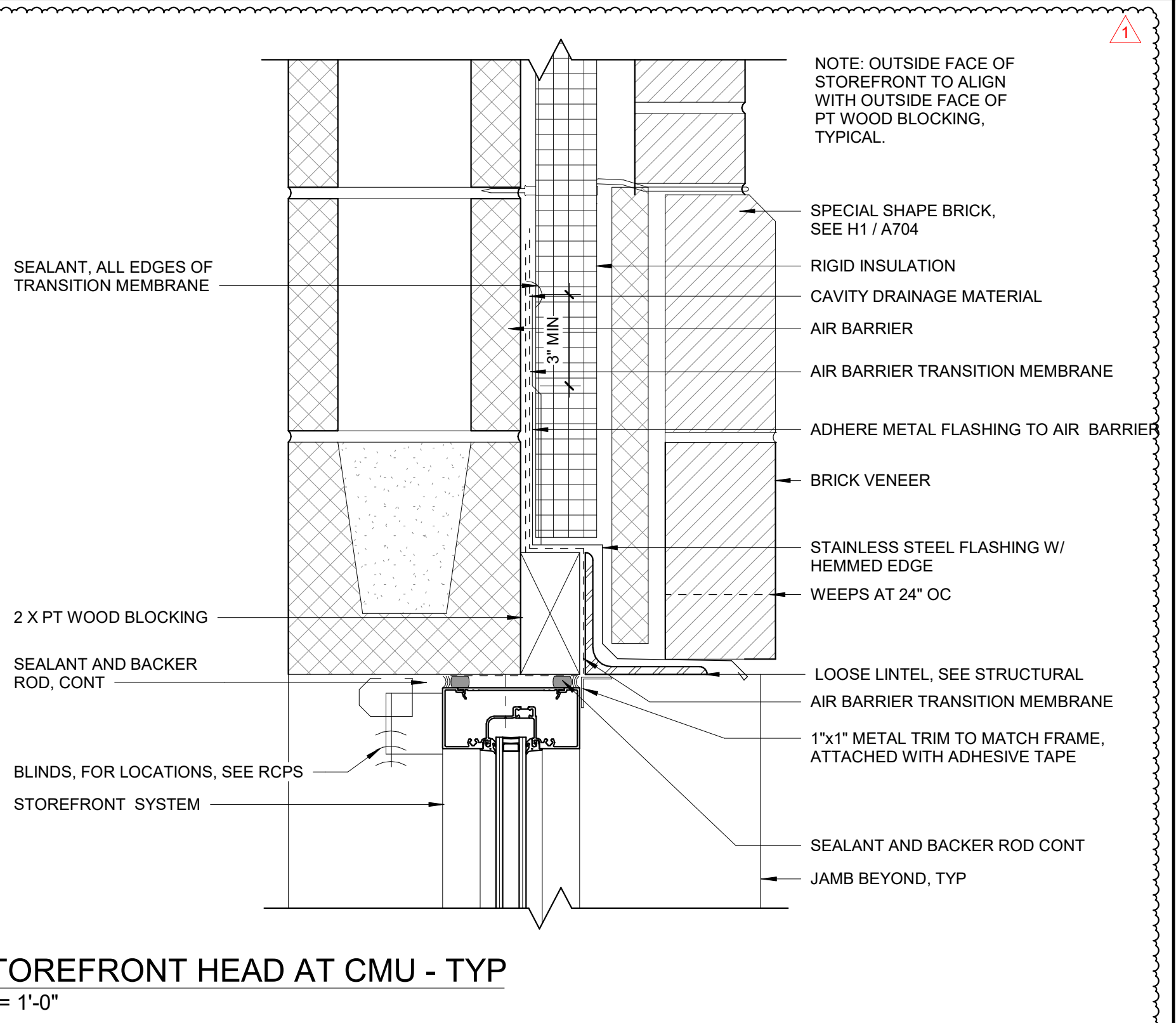
A9 TYP INT STOREFRONT SILL AT FLOOR  
3" = 1'-0"



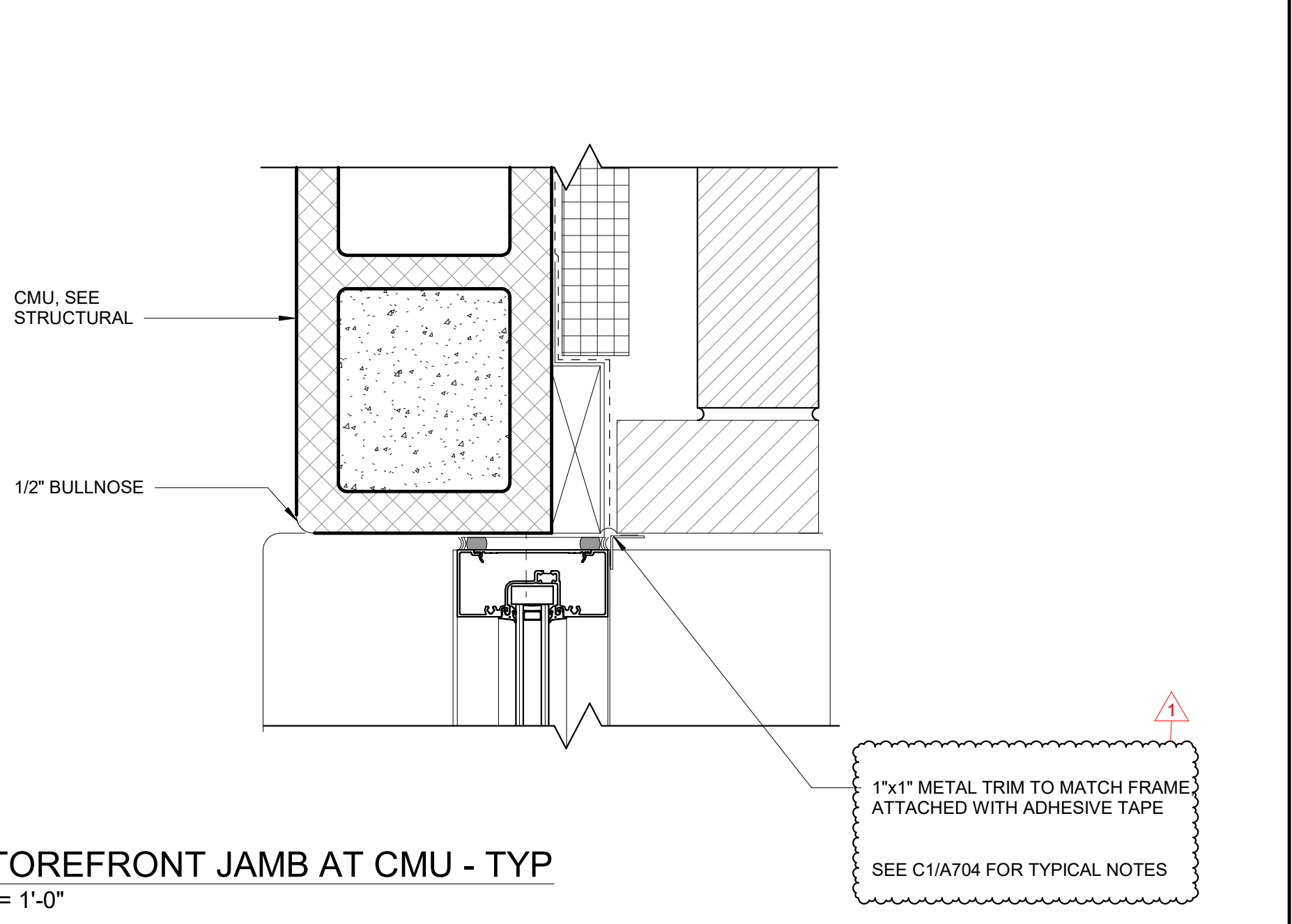
F6 STOREFRONT HEAD AT HSS BEAM  
3" = 1'-0"



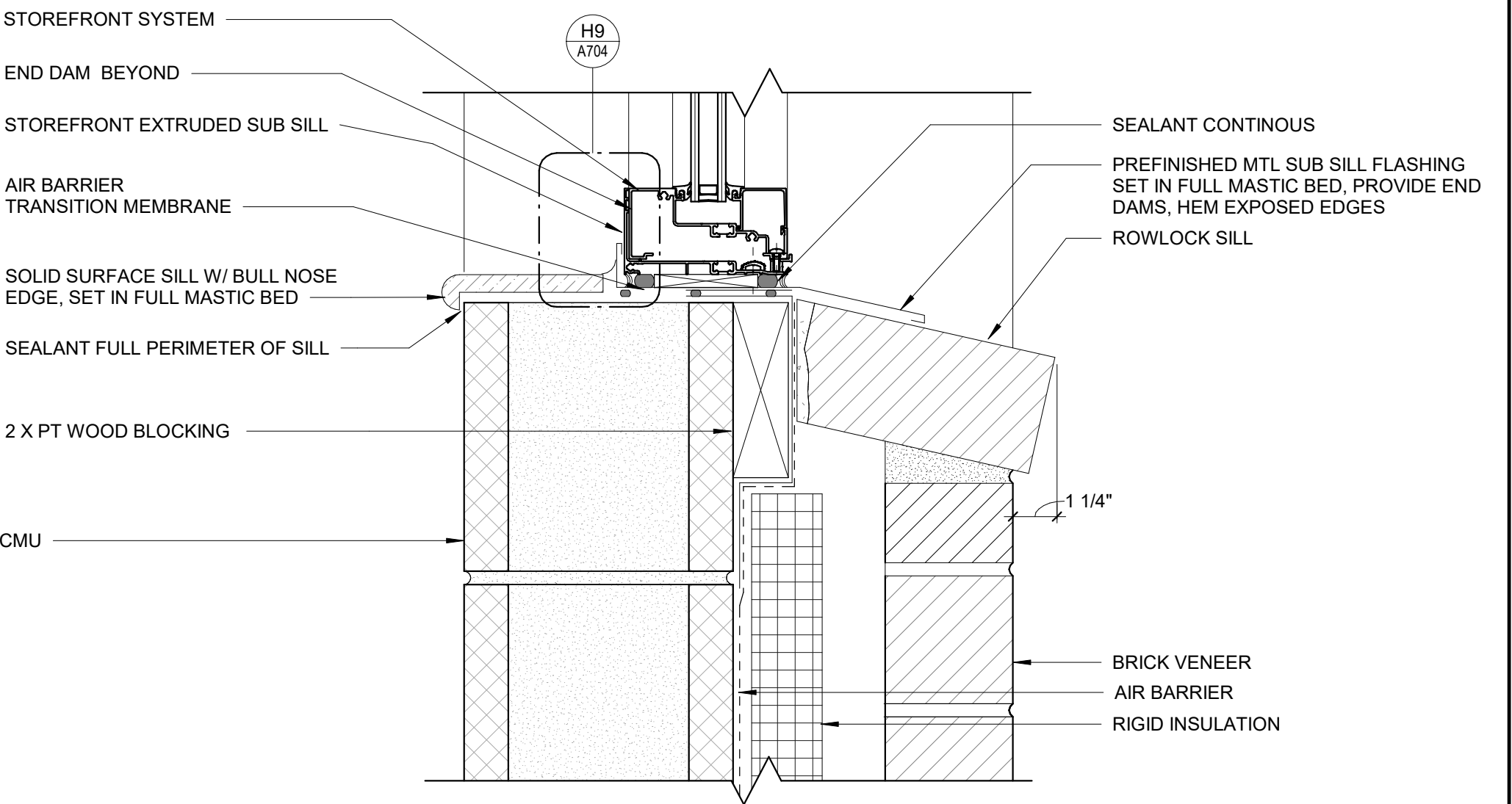
C6 STOREFRONT HEAD AT HSS BEAM - TYP 2  
3" = 1'-0"



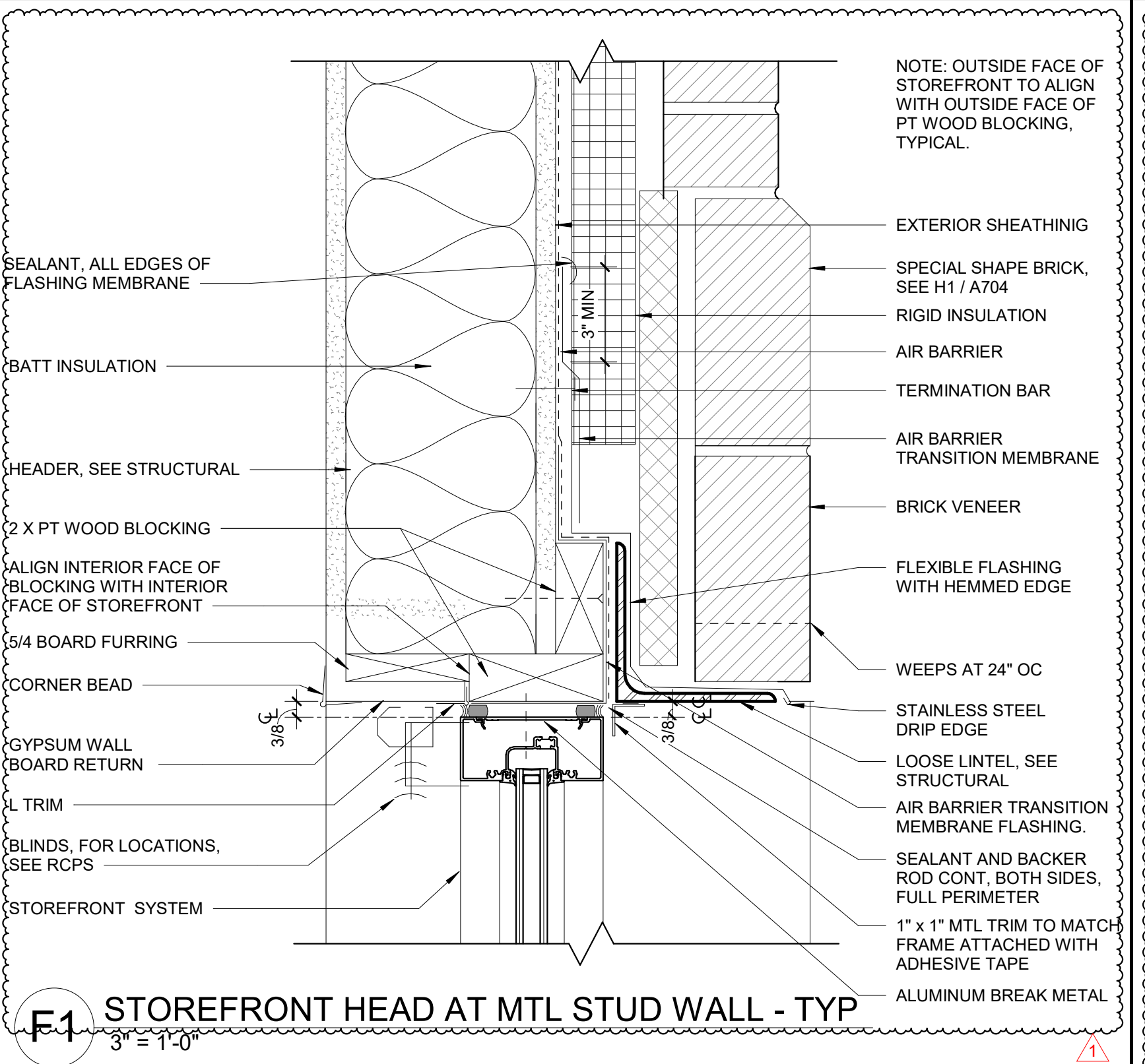
F3 STOREFRONT HEAD AT CMU - TYP  
3" = 1'-0"



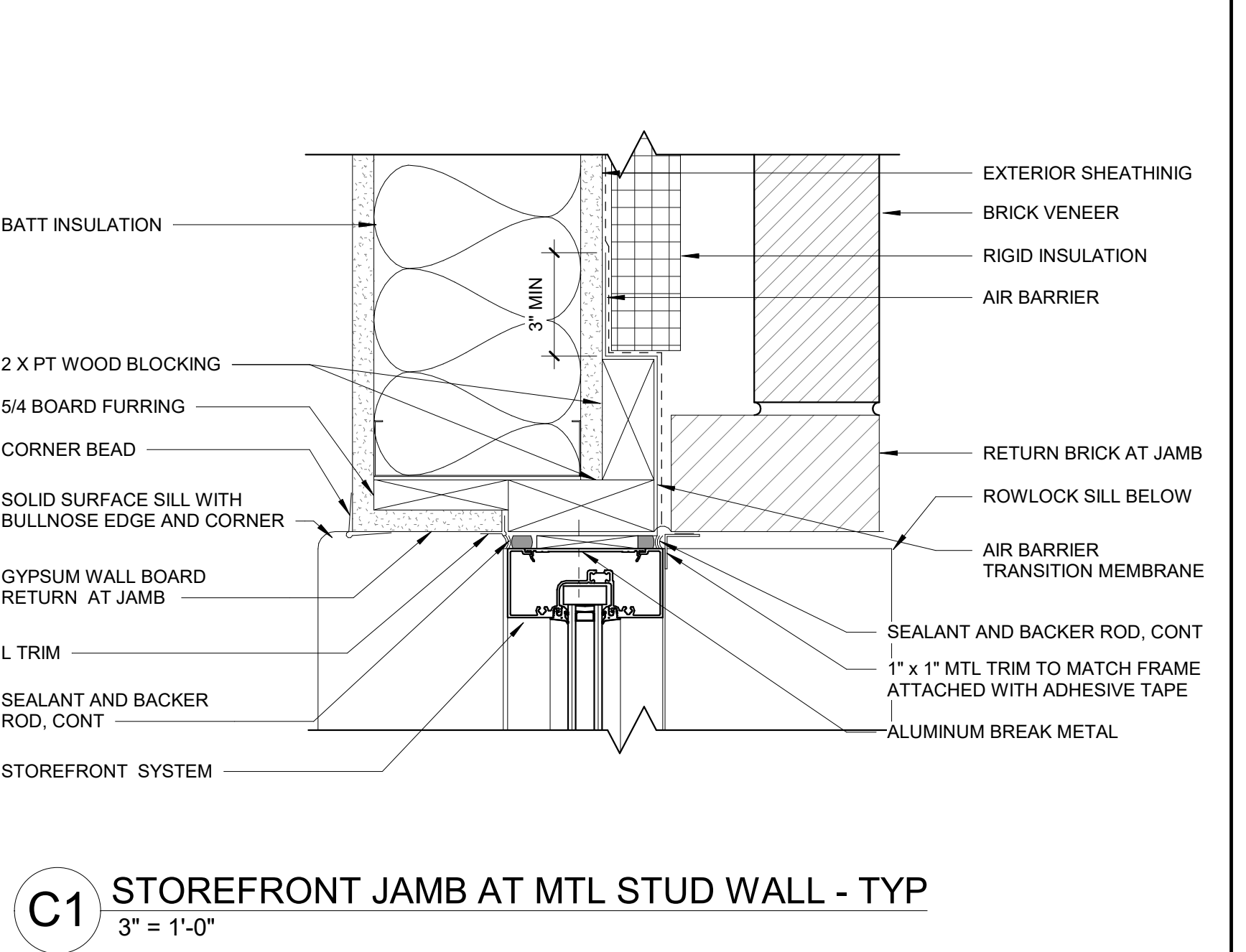
C3 STOREFRONT JAMB AT CMU - TYP  
3" = 1'-0"



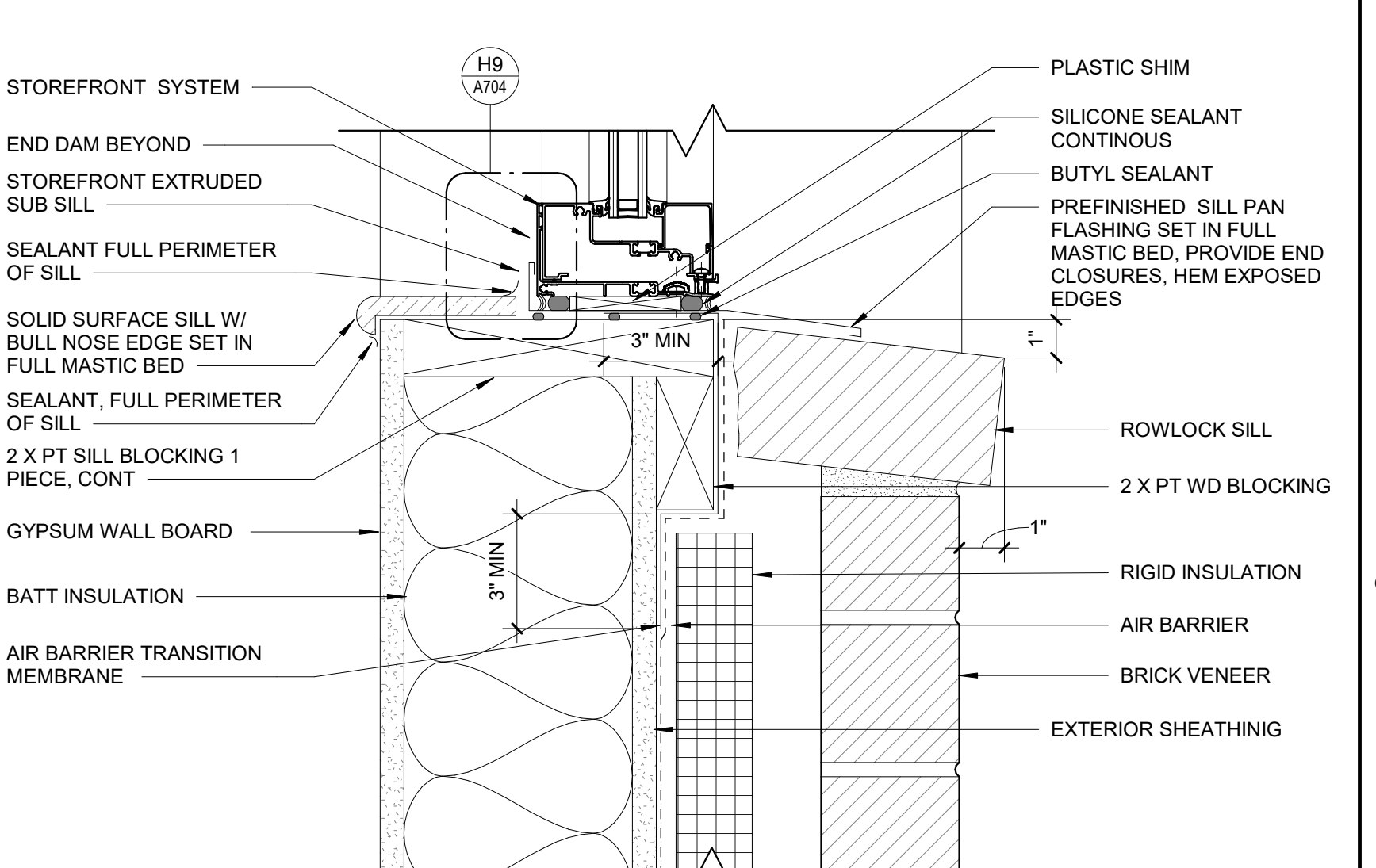
A3 STOREFRONT SILL AT CMU - TYP  
3" = 1'-0"



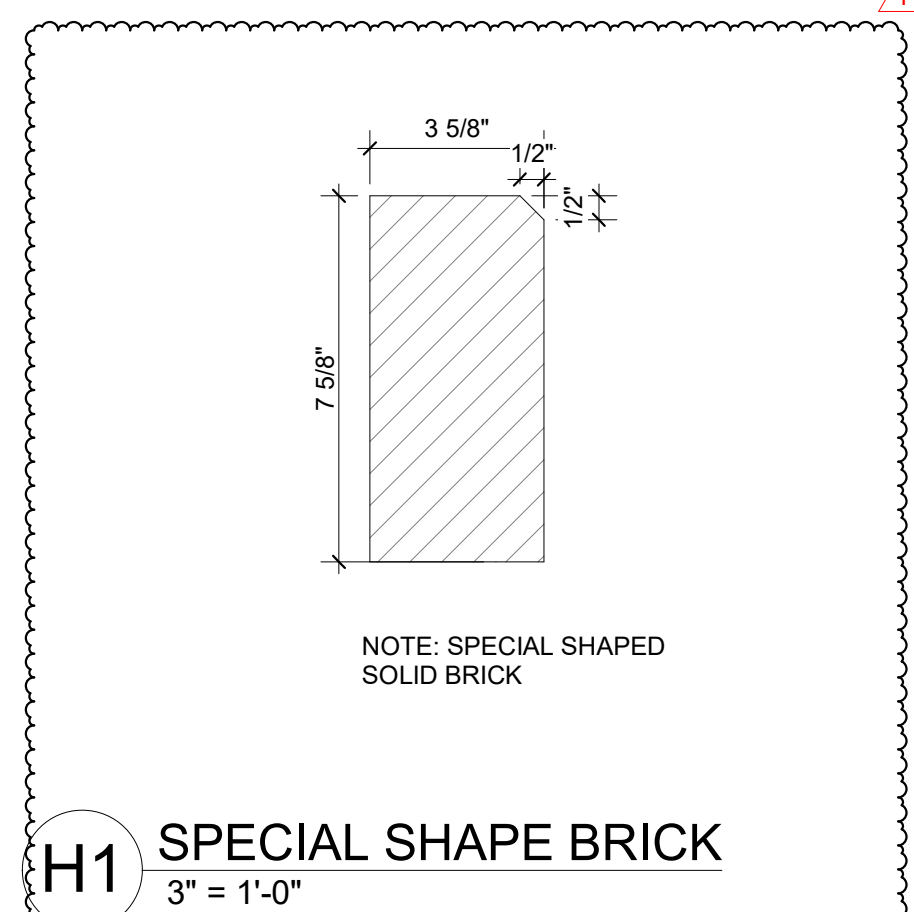
F1 STOREFRONT HEAD AT MTL STUD WALL - TYP  
3" = 1'-0"



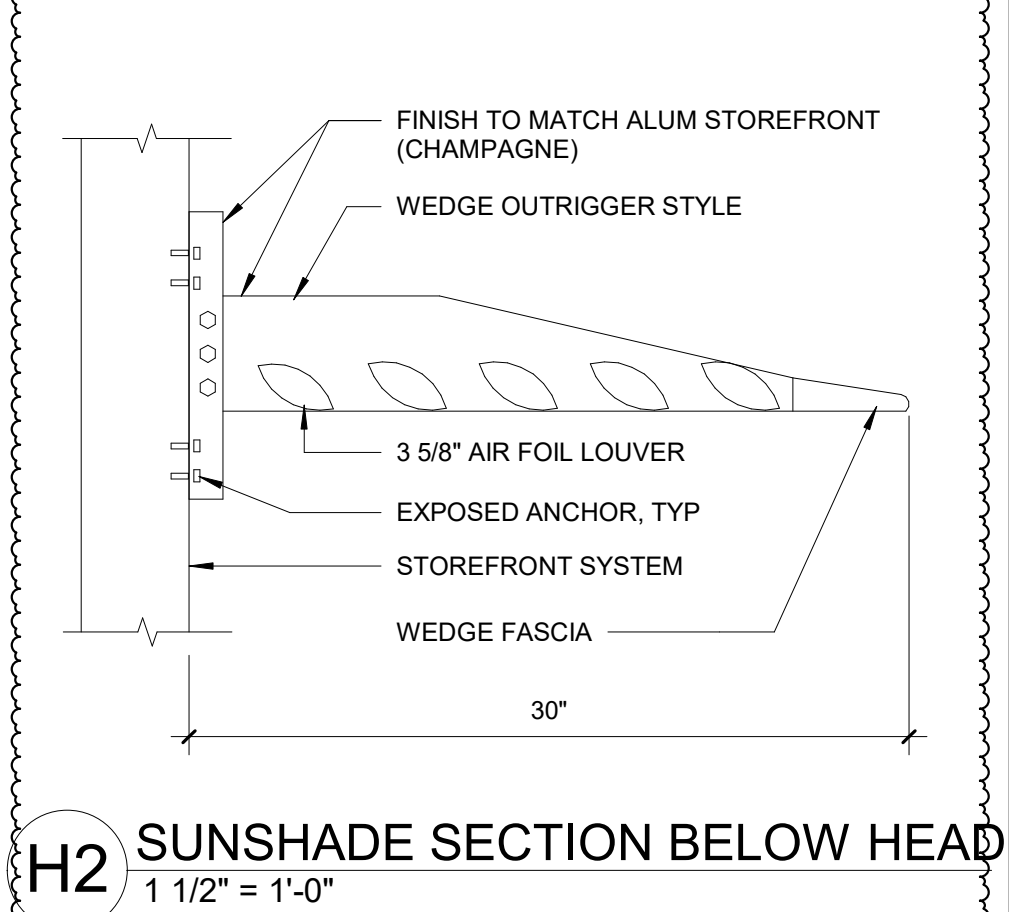
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3" = 1'-0"



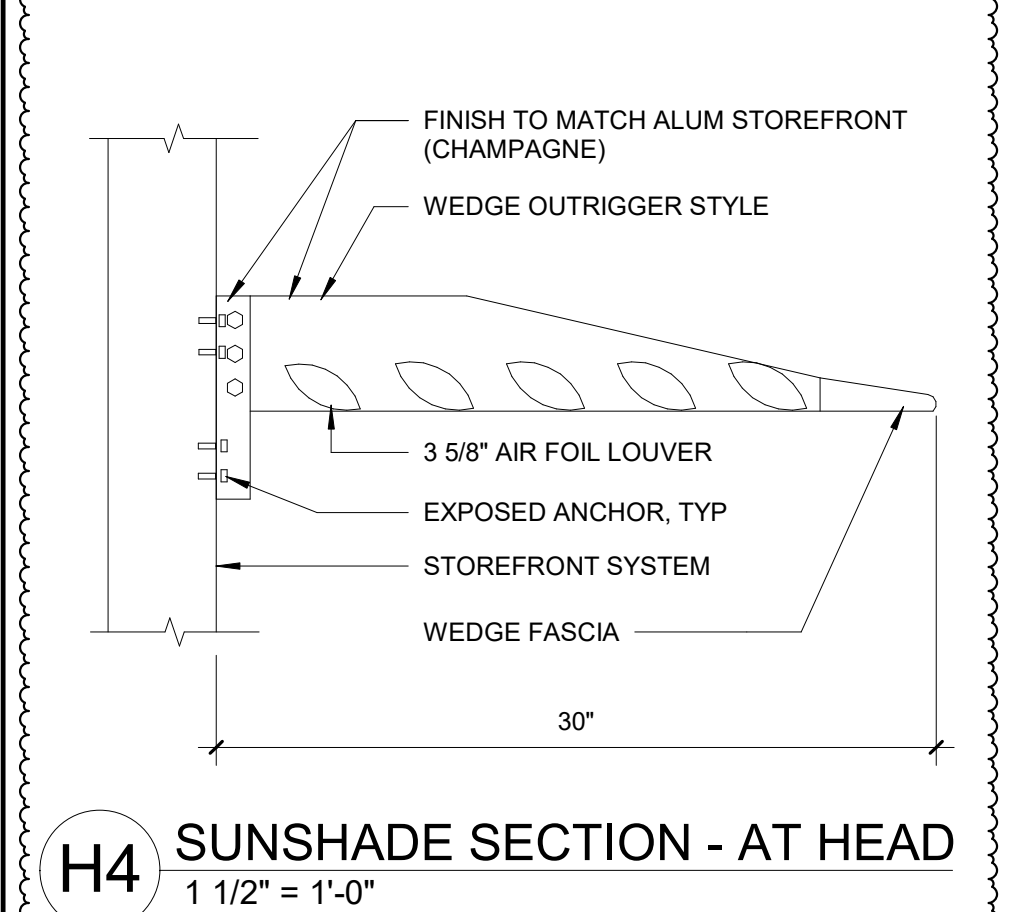
A1 STOREFRONT SILL AT MTL STUD WALL - TYP  
3" = 1'-0"



H1 SPECIAL SHAPE BRICK  
3" = 1'-0"

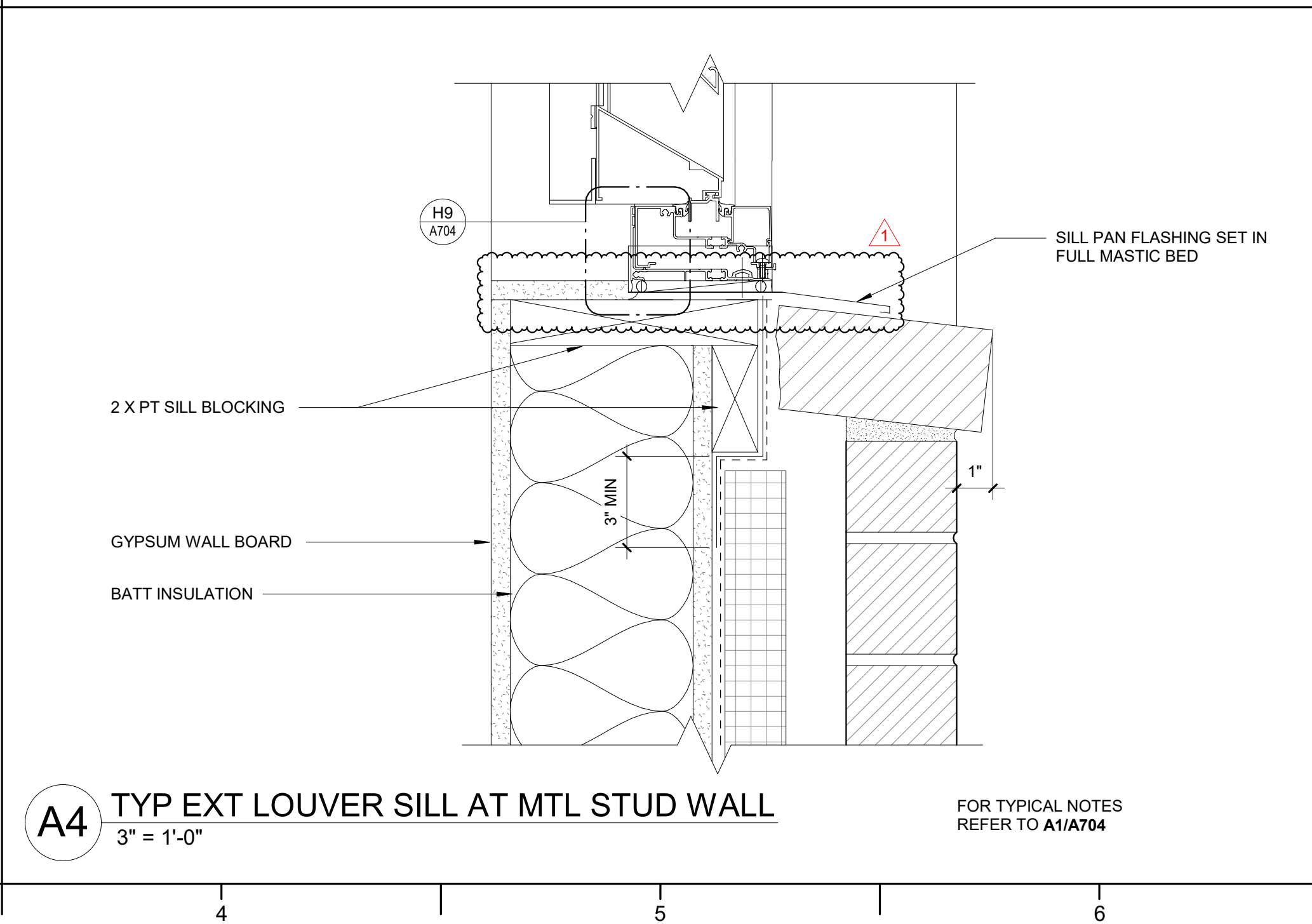
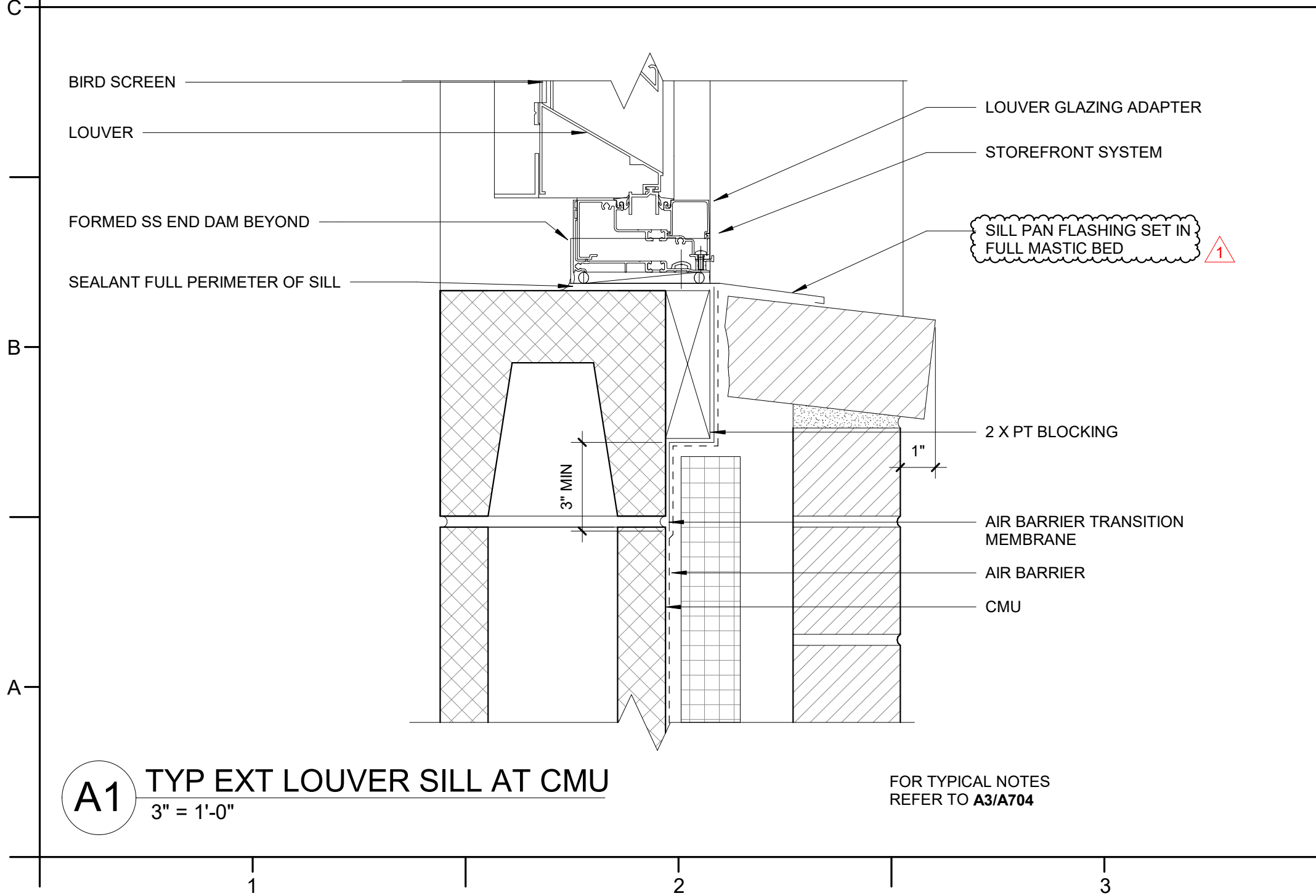
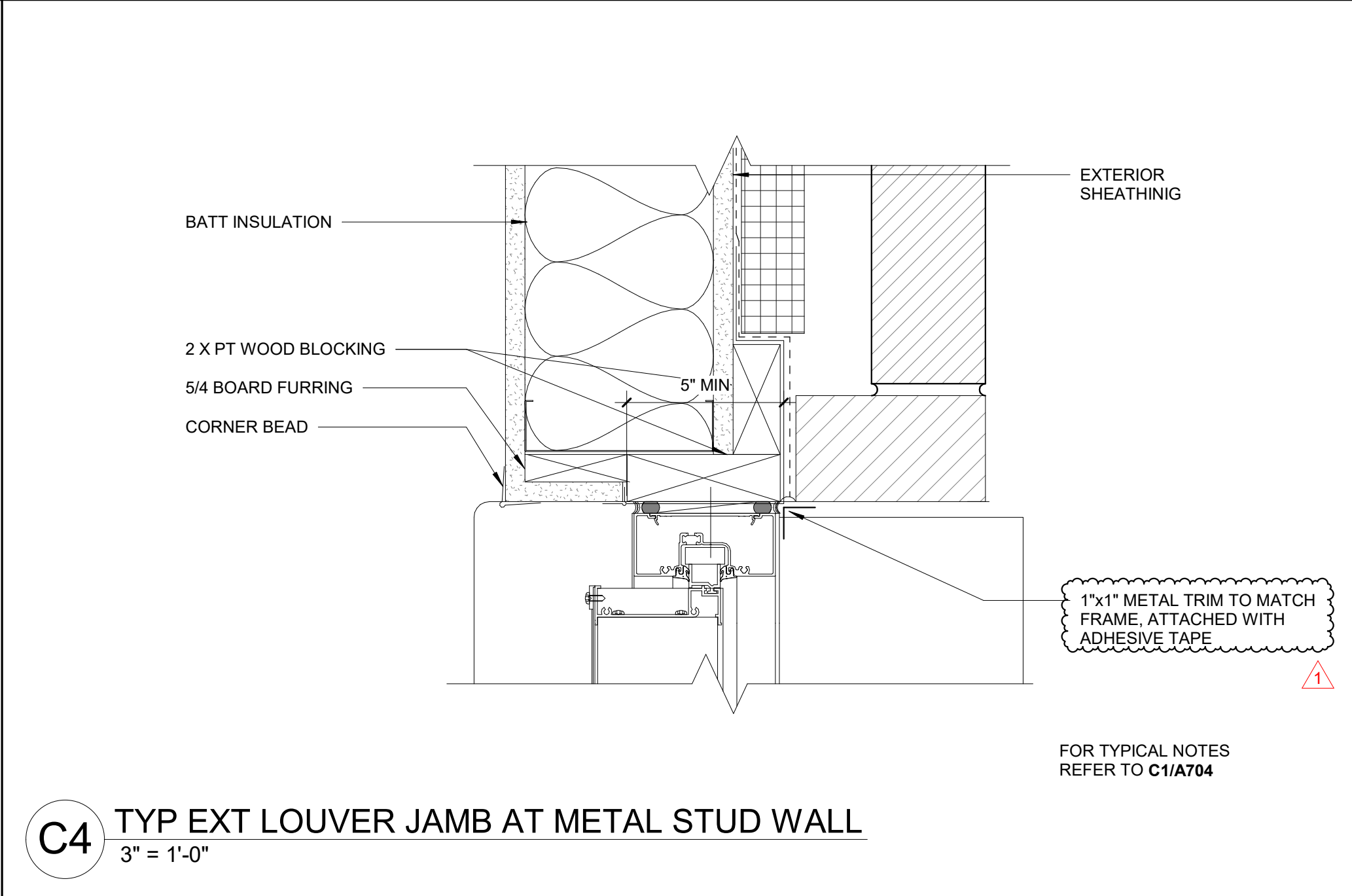
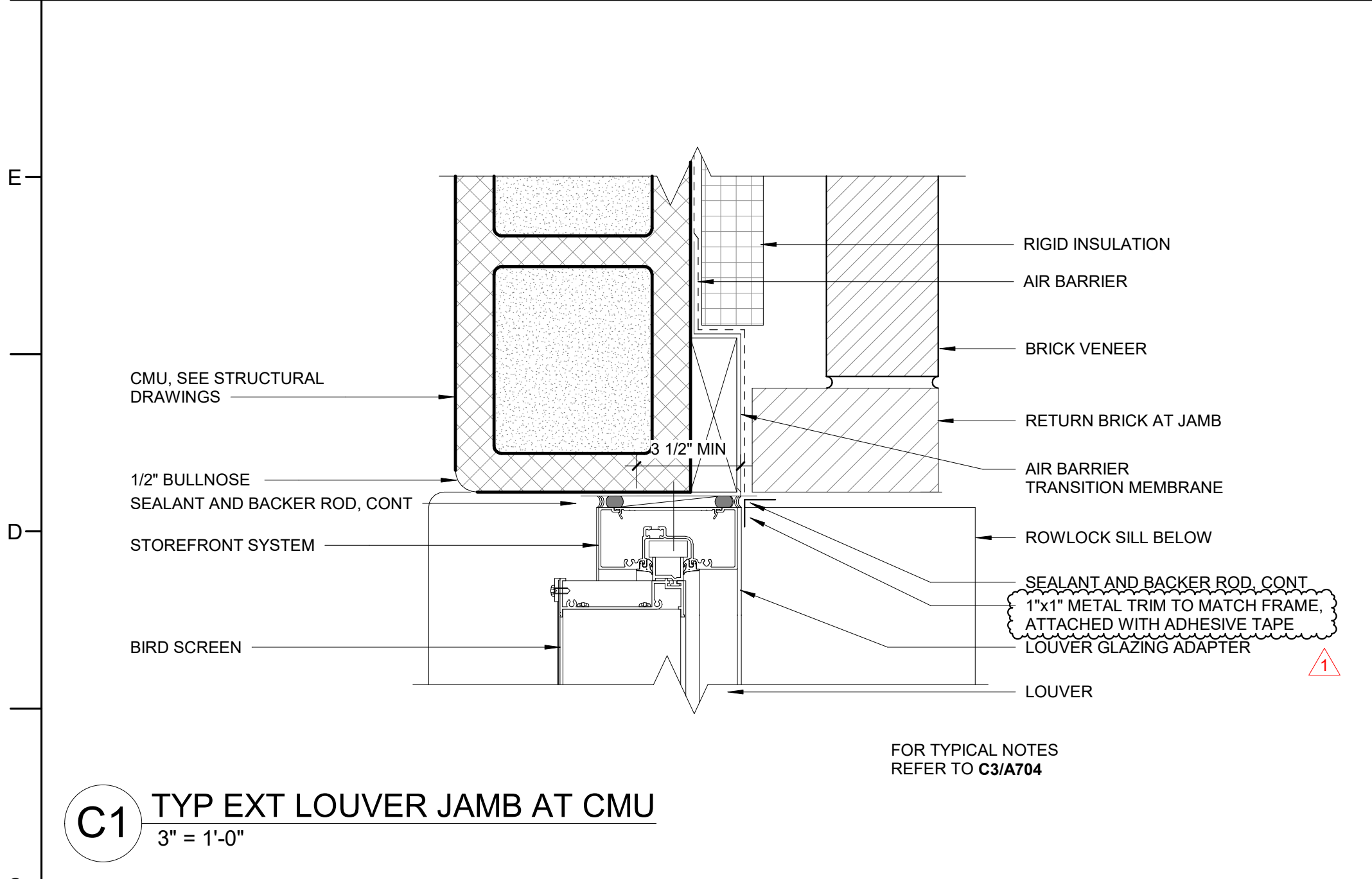
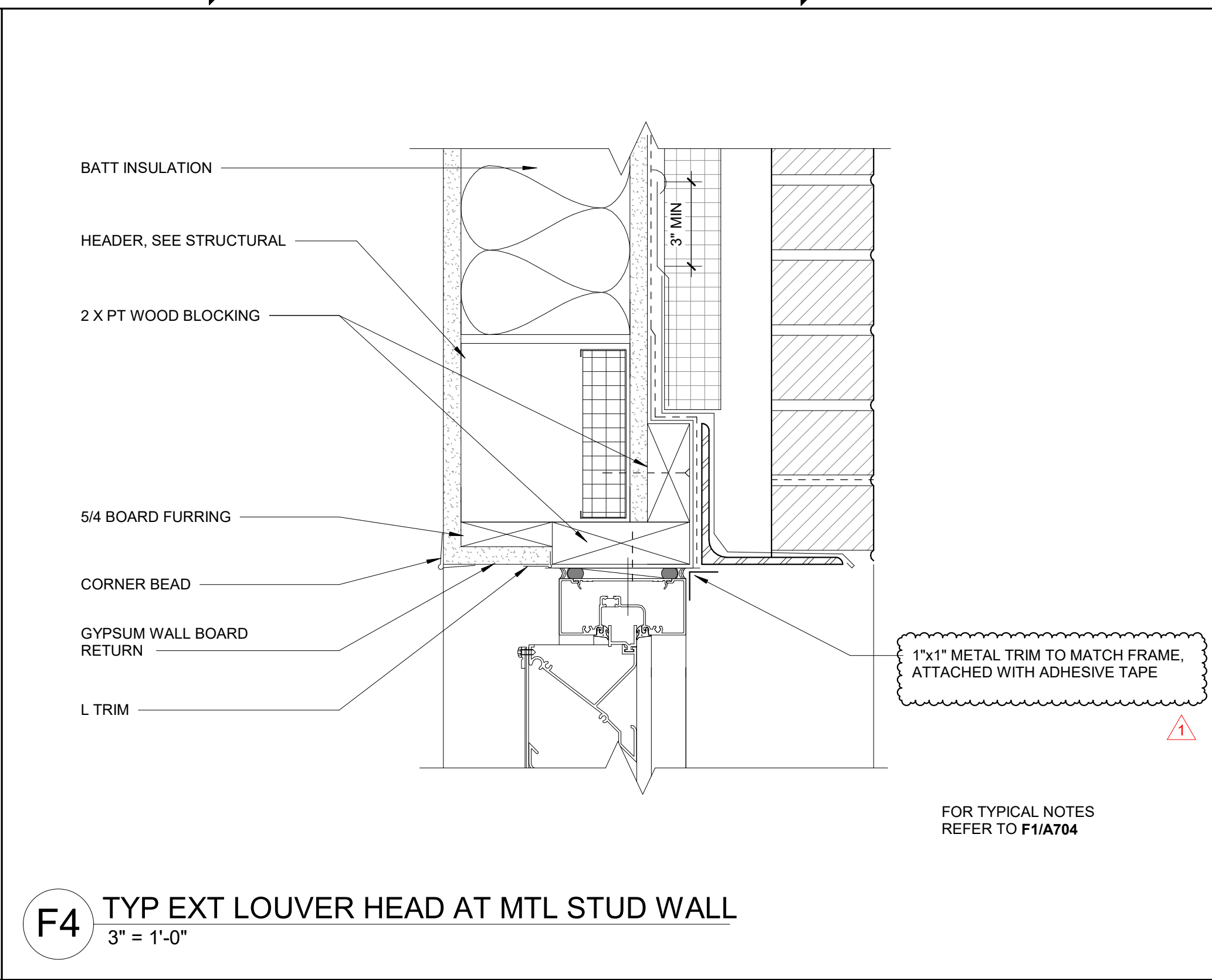
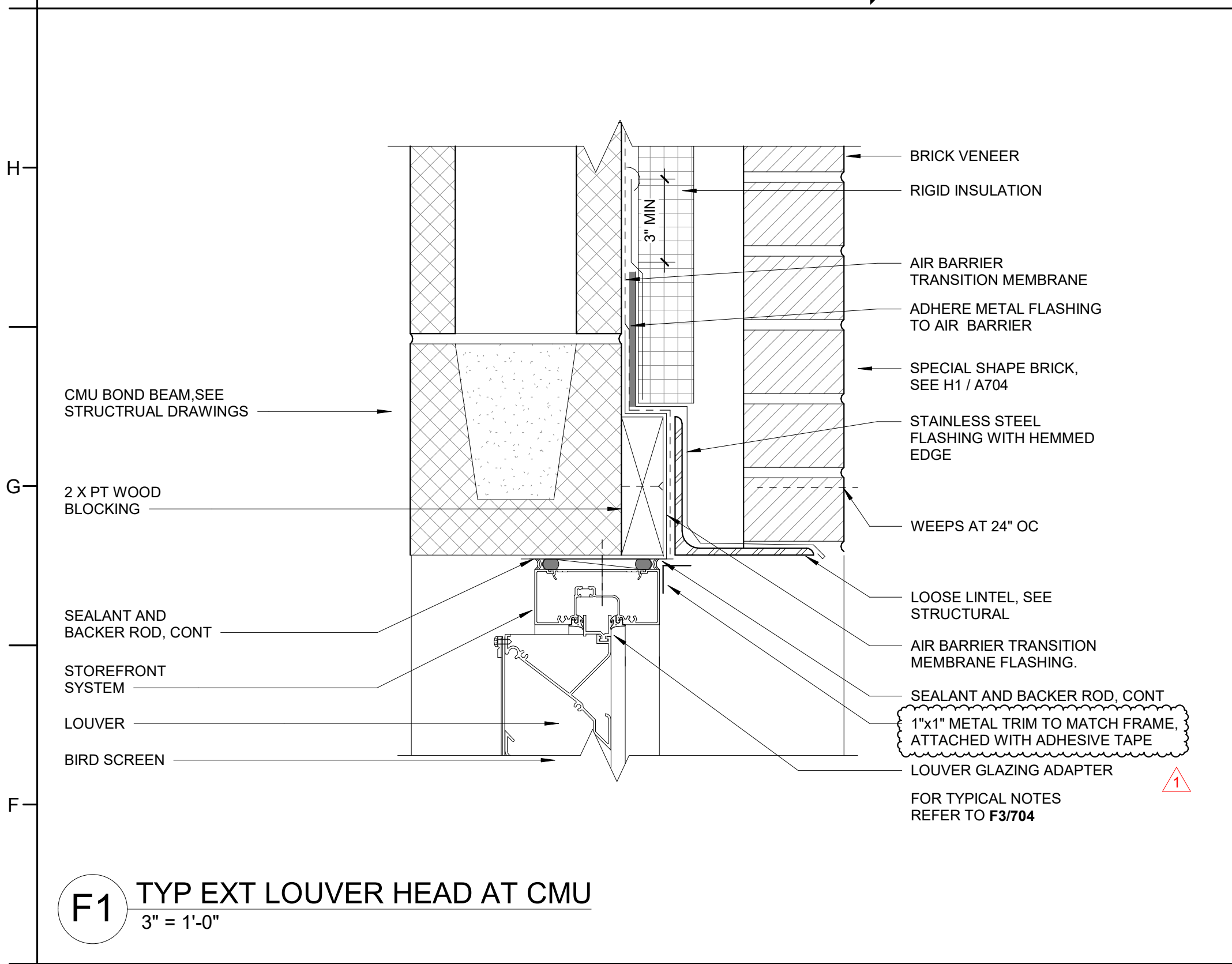
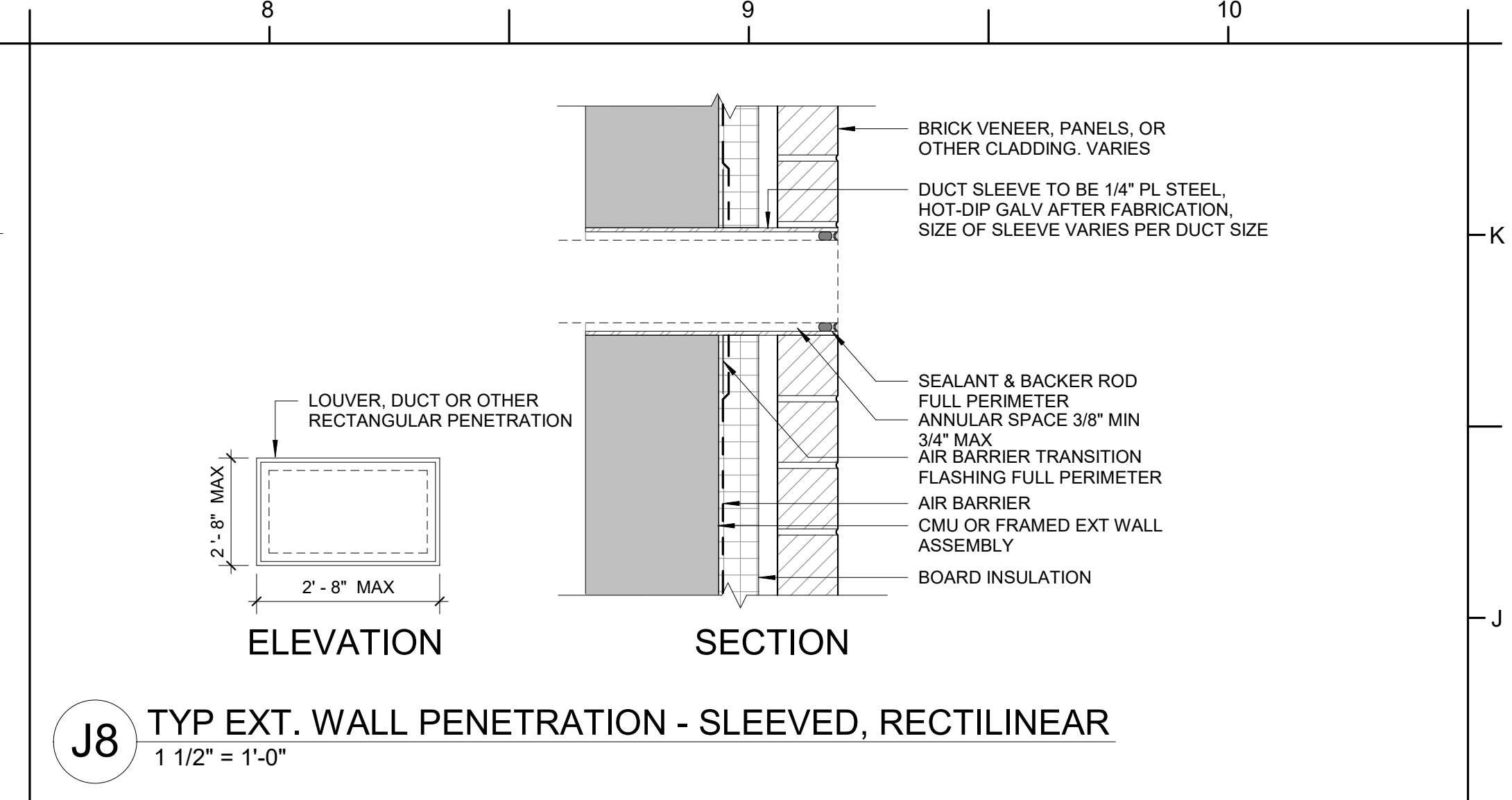
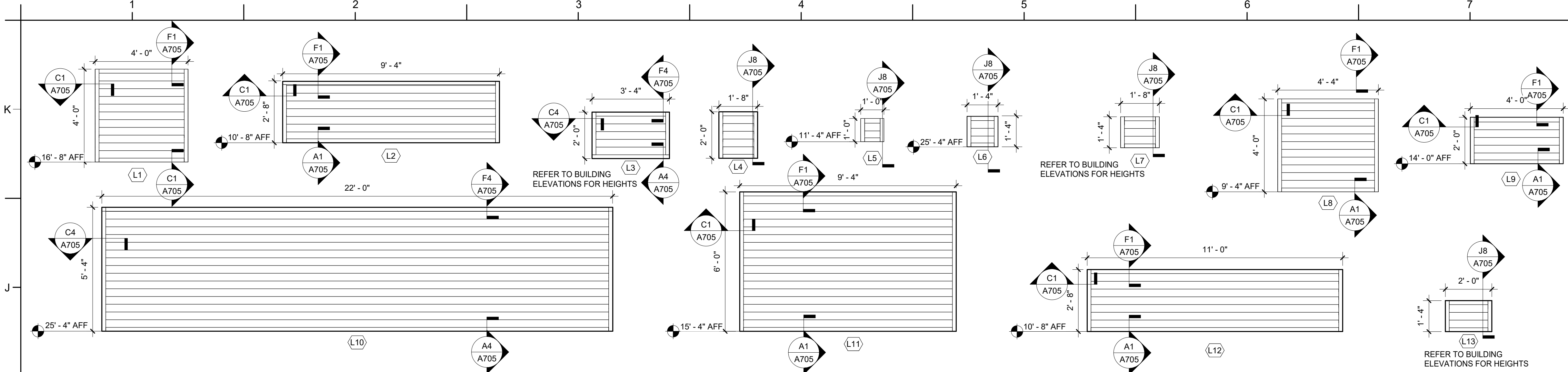


H2 SUNSHADE SECTION BELOW HEAD  
1 1/2" = 1'-0"



H4 SUNSHADE SECTION - AT HEAD  
1 1/2" = 1'-0"







# INTERIOR FINISHES ROOM SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL	FINISH	CEILING	FINISH	NOTES
A100A	CORRIDOR	TERRAZZO	TERRAZZO	CMU/GWB	PAINT	APC	FACTORY	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
A100B	CORRIDOR	TERRAZZO	TERRAZZO	CMU	PAINT	APC	FACTORY	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
A101	STORAGE	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A102	ELEC	SEALED CONC	RB	CMU/GWB	PAINT	EXPOSED	PAINT	
A103	TLT	TILE	TB	GWB	PAINT	APC	FACTORY	
A104	RISER	SEALED CONC	RB	GWB	PAINT	EXPOSED	PAINT	
A105	TLT	TILE	TB	CMU/GWB	TILE	APC	FACTORY	
A106	DATA	SEALED CONC	RB	CMU/GWB	PAINT	EXPOSED	PAINT	
A107	BOYS	TILE	TB	CMU/GWB	PAINT	APC	FACTORY	
A108	CTE CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A109	PLUMB CHASE	SEALED CONC	-	CMU/GWB	-	EXPOSED	PAINT	
A110	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A111	GIRLS	TILE	TB	CMU/GWB	PAINT/TILE	APC	FACTORY	
A112	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A113	E/C CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A113A	TLT	TILE	TB	GWB	PAINT/TILE	APC	FACTORY	
A113B	EC KITCHEN	VCT	RB	GWB	PAINT	APC	FACTORY	
A114	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A115	E/C CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A115A	TLT	TILE	TB	GWB	PAINT/TILE	APC/GWB	FACTORY/PAINT	
A116	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A117	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A200	CORRIDOR	TERRAZZO	TERRAZZO	CMU/GWB	PAINT	APC	FACTORY	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
A201	MECHANICAL	SEALED CONC	RB	CMU/GWB	-	EXPOSED	PAINT	
A202	WORK ROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A202A	TLT	TILE	TB	CMU/GWB	PAINT/TILE	APC	FACTORY	
A203	BOYS	TILE	TB	CMU/GWB	PAINT/TILE	APC	FACTORY	
A204	COMPUTER LAB	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A205	PLUMB CHASE	SEALED CONC	-	CMU/GWB	-	EXPOSED	PAINT	
A206	STEM CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A207	GIRLS	TILE	TB	CMU/GWB	PAINT/TILE	APC	FACTORY	
A208	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A209	SCIENCE	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A209A	PREP ROOM	VCT	RB	GWB	PAINT	APC	FACTORY	
A210	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A211	TLT	TILE	RB	CMU/GWB	PAINT	APC	FACTORY	
A212	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A213	SCIENCE	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
A215	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
B100	CORRIDOR	EXISTING	RB (6"H)	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B101	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B101A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
B102	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B102A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
B103	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B104	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
B105	WOMEN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B106	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B106A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
B107	JAN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B107A	CHASE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
B108	WORK ROOM	EXISTING	EXISTING	EXISTING	EXISTIST	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B109	MEN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B110	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B111	IDF	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
B112	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B112A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
B113	TLT	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B114	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B115	TLT	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 02
B117	ELEC	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
C100	CORRIDOR	TERRAZZO	TERRAZZO	CMU/GWB	PAINT	APC	FACTORY	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
C101	RECEPTION	TERRAZZO	TERRAZZO	CMU/GWB	PAINT	APC	FACTORY	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
C101A	CORRIDOR	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
C102	VESTIBULE	TERRAZZO	TERRAZZO	CMU	PAINT	APC	FACTORY	
C103	OFFICE WORK ROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C104	BAND	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C104A	INSTRUMENT STOR	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C105	SECRETARY	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C106	MUSIC	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C106A	STOR	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C107	DATA MANAGER	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C108	ART	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C108A	STOR	SEALED CONC	RB	CMU/GWB	PAINT	APC	FACTORY	
C108B	KILN	SEALED CONC	RB	CMU/GWB	PAINT	APC	FACTORY	
C109	MDF	SEALED CONC	RB	CMU/GWB	PAINT	EXPOSED	PAINT	
C111	RECORDS	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C113	ASSISTANT PRINCIPAL	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C115	NURSE	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C115A	TLT	TILE	TB	CMU/GWB	PAINT	APC	FACTORY	
C117	PRINCIPAL	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C119	ACCESS	SEALED CONC	RB	CMU/GWB	PAINT	EXPOSED	-	
C121	CONF	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
C123	TEACHER LOUNGE	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C125	TLT	TILE	TB	CMU/GWB	PAINT	APC	FACTORY	
C127	TLT	TILE	TB	CMU/GWB	PAINT	APC	FACTORY	
C129	MEDIA CENTER	CPT	RB	CMU	PAINT	APC/GWB	FACTORY/PAINT	
C129A	WORK ROOM STORAGE	VCT	RB	CMU	PAINT	APC	FACTORY	
C131	TEACHER WORKROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C133	BOOK STOR	VCT	RB	CMU/GWB	PAINT	APC	FACTORY	
C200	MECHANICAL	SEALED CONC	RB	CMU/GWB	PAINT	EXPOSED	-	
D100	CORRIDOR	TERRAZZO	TERRAZZO	CMU	PAINT	APC/GWB	FACTORY/PAINT	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
D101	VESTIBULE	TERRAZZO	TERRAZZO	CMU	PAINT	APC/GWB	FACTORY/PAINT	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
D103	STUDENT SERVICES	CPT	RB	CMU	PAINT	APC	FACTORY	
D103A	OFFICE	CPT	RB	CMU	PAINT	APC	FACTORY	
D103B	OFFICE	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
D103C	RESOURCE OFFICE	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
D103D	STORAGE	CPT	RB	CMU/GWB	PAINT	APC	FACTORY	
D104	DINING	TERRAZZO	RB	CMU	PAINT	APC	FACTORY	
D104A	TRASH ROOM	TERRAZZO	TB	CMU	PAINT	APC	FACTORY	
D105	GIRLS	TILE	TB	CMU	PAINT	APC	FACTORY	
D106	SERVING	QT	TB	CMU	-	APC/GWB	FACTORY/PAINT	
D107	PLUMB CHASE	SEALED CONC	-	CMU/GWB	-	EXPOSED	-	
D108	DISH ROOM	QT	QT	CMU	-	APC	FACTORY	
D109	BOYS	TILE	TB	CMU	PAINT/TILE	APC	FACTORY	
D110	OFFICE	QT	QT	CMU	PAINT	APC	FACTORY	
D112	JAN	SEALED CONC	QT	CMU	PAINT	APC	FACTORY	
D113	ELEC	SEALED CONC	QT	CMU	PAINT	EXPOSED	-	
D114	LAUNDRY	QT	QT	CMU	PAINT	APC	FACTORY	
D115	MECHANICAL	SEALED CONC	RB	CMU	PAINT	EXPOSED	-	
D116	LOCKERS	QT	QT	CMU	PAINT	APC	FACTORY	
D116A	TLT	QT	QT	CMU	PAINT	APC	FACTORY	
D118	KITCHEN	QT	QT	CMU	PAINT	APC	FACTORY	
D120	DRY STORAGE	QT	QT	CMU	PAINT	APC	FACTORY	
D122	FREEZER	SEALED CONC	-	CMU	-	EXPOSED	-	
D124	COOLER	SEALED CONC	-	CMU	-	EXPOSED	-	
E100	CORRIDOR	VCT	RB	CMU	PAINT	APC	FACTORY	
E101	JAN	SEALED CONC	RB	CMU	PAINT	APC	FACTORY	
E102	DATA	SEALED CONC	RB	CMU	PAINT	EXPOSED	PAINT	
E103	STORAGE	VCT	RB	CMU	PAINT	APC	FACTORY	
E104	VISITOR LOCKER	QT	QT	CMU	PAINT	APC	FACTORY	
E105	CORRIDOR	VCT	RB	CMU	PAINT	APC	FACTORY	
E106	OFFICE	VCT	RB	CMU	PAINT	APC	FACTORY	
E107	OFFICE	VCT	RB	CMU	PAINT	APC	FACTORY	
E108	STORAGE	VCT	RB	CMU	PAINT	APC	FACTORY	
E109	TRAINING	QT	QT	CMU	PAINT	APC	FACTORY	
E110	LAUNDRY	QT	QT	CMU	PAINT	APC	FACTORY	
E111	STAFF TLT	QT/TILE	QT/TILE	CMU/GWB	PAINT	APC/GWB	FACTORY/PAINT	
E113	BOYS LOCKER	QT	QT	CMU	PAINT	APC	FACTORY	
E114	GIRLS LOCKER	QT	QT	CMU	PAINT	APC	FACTORY	
E115	BOYS	TILE	TB	CMU/GWB	PAINT/TILE	APC	FACTORY	
E116	GIRLS	TILE	TB	CMU/GWB	PAINT/TILE	APC	FACTORY	
E117	GYM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	PAINT AT NEW CMU
E117A	CORRIDOR	VCT	RB	CMU	PAINT	APC	FACTORY	
E117B	CORRIDOR	VCT	RB	CMU	PAINT	APC	FACTORY	
E121	LOBBY	EXISTING	EXISTING	CMU	EXISTING	APC	FACTORY	
E122	STOR	EXISTING	EXISTING	CMU	EXISTING	APC	FACTORY	
E122A	ELEC	EXISTING	EXISTING	CMU	EXISTING	EXPOSED	-	
E123	GIRLS	EXISTING	EXISTING	CMU	EXISTING	APC	FACTORY	
E124	BOYS	EXISTING	EXISTING	CMU	EXISTING	APC	FACTORY	
E125	CONCESSIONS	EXISTING	EXISTING	CMU	EXISTING	APC	FACTORY	
E1	ELEV	-	-	CMU	-	EXPOSED	-	SEE SPECS FOR CAB FINISHES
S1	STAIR	TERRAZZO	TERRAZZO	CMU	PAINT	APC/GWB	FACTORY/PAINT	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
S2	STAIR	TERRAZZO	TERRAZZO	CMU	PAINT	APC/GWB	FACTORY/PAINT	SEE ALTERNATE ROOM SCHEDULE FOR BID ALT 04
S1	STAIR TREADS AND INTERMEDIATE LANDING: ST CONC			RISERS, STRINGERS, GUARDRAILS:	PAINT			
S2	STAIR TREADS AND INTERMEDIATE LANDING: ST CONC			RISERS, STRINGERS, GUARDRAILS:	PAINT			

# INTERIOR FINISHES ROOM SCHEDULE ALT 01

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL	FINISH	CEILING	FINISH
A118	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
A119	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
A120	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
A121	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
A214	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
A216	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
A217	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
A219	CLASSROOM	VCT	RB	CMU/GWB	PAINT	APC	FACTORY

# INTERIOR FINISHES ROOM SCHEDULE ALT 02

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL		CEILING	
				MATERIAL	FINISH	MATERIAL	FINISH
B100	CORRIDOR	EXISTING	RB (6" H)	EXISTING	EXISTING	APC	FACTORY
B100A	CORRIDOR	VCT	RB	CMU/GWB	PAINT	APC	FACTORY
B101	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B101A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
B102	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B102A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
B103	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B104	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTIN	APC	FACTORY
B105	WOMEN	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B106	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B106A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
B107	JAN	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B107A	CHASE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
B108	WORK ROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B109	MEN	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B110	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B111	IDF	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
B112	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B112A	MECHANICAL	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
B113	TLT	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B114	CLASSROOM	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B115	TLT	EXISTING	EXISTING	EXISTING	EXISTING	APC	FACTORY
B117	ELEC	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING



**FINISHES GENERAL NOTES:**

- SEE FLOOR PLANS FOR WALL TYPES.
- SEE INTERIOR ELEVATIONS AND DETAILS FOR LOCATION OF CASEWORK AND WALL FINISH SELECTIONS NOT SHOWN ON PLAN.
- PAINT COLORS PROVIDED IN MATERIALS LEGEND ARE FOR COLOR MATCH ONLY.
- FOR MATERIALS LEGEND SEE SHEET A001
- FOR CEILING FINISH AND COLORS REFER TO REFLECTED CEILING PLANS.
- PAINT ALL STAIR STRINGERS, GUARDRAILS, HANDRAILS, BRACKETS AND EXPOSED UNDERSIDE OF STAIRS THROUGHOUT ALL STAIRS.
- FOR SIGN TYPES SEE SHEET A701.

**FINISHES PLAN KEY:**

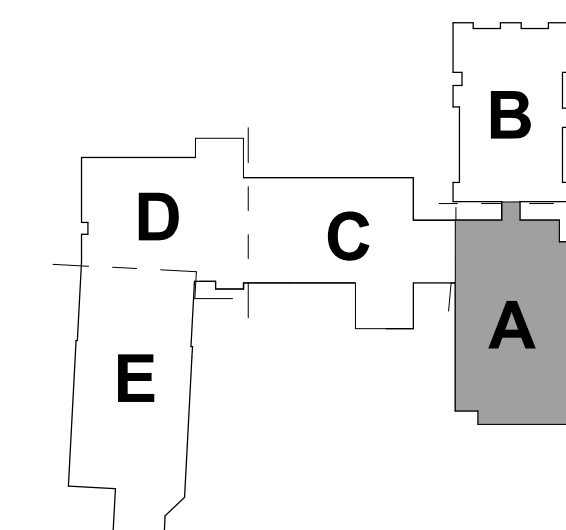
- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

**TERRAZZO FINISH KEY:**

- TZ 1
- TZ 2
- TZ 3

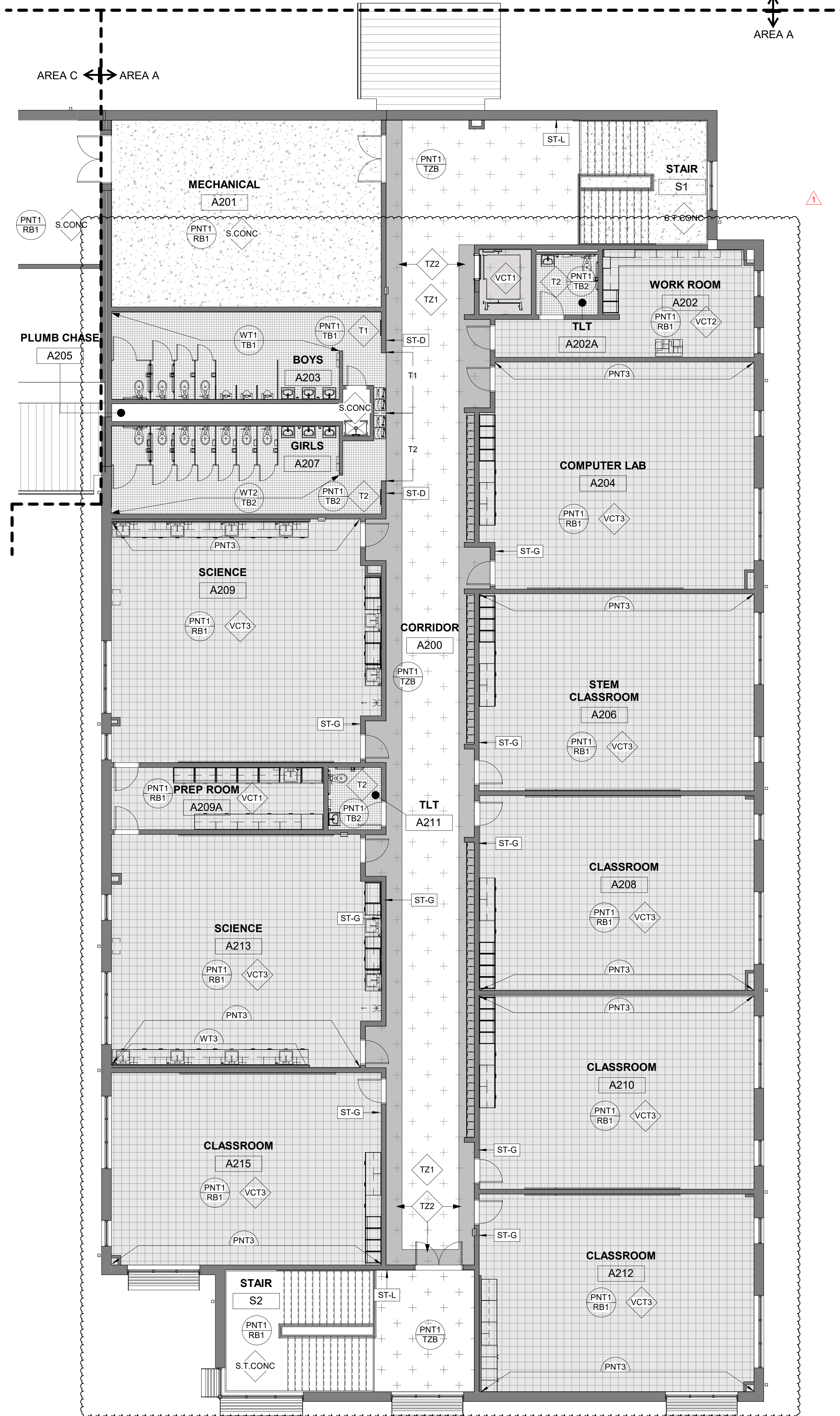
**FINISHES PLAN SYMBOL LEGEND**

- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE



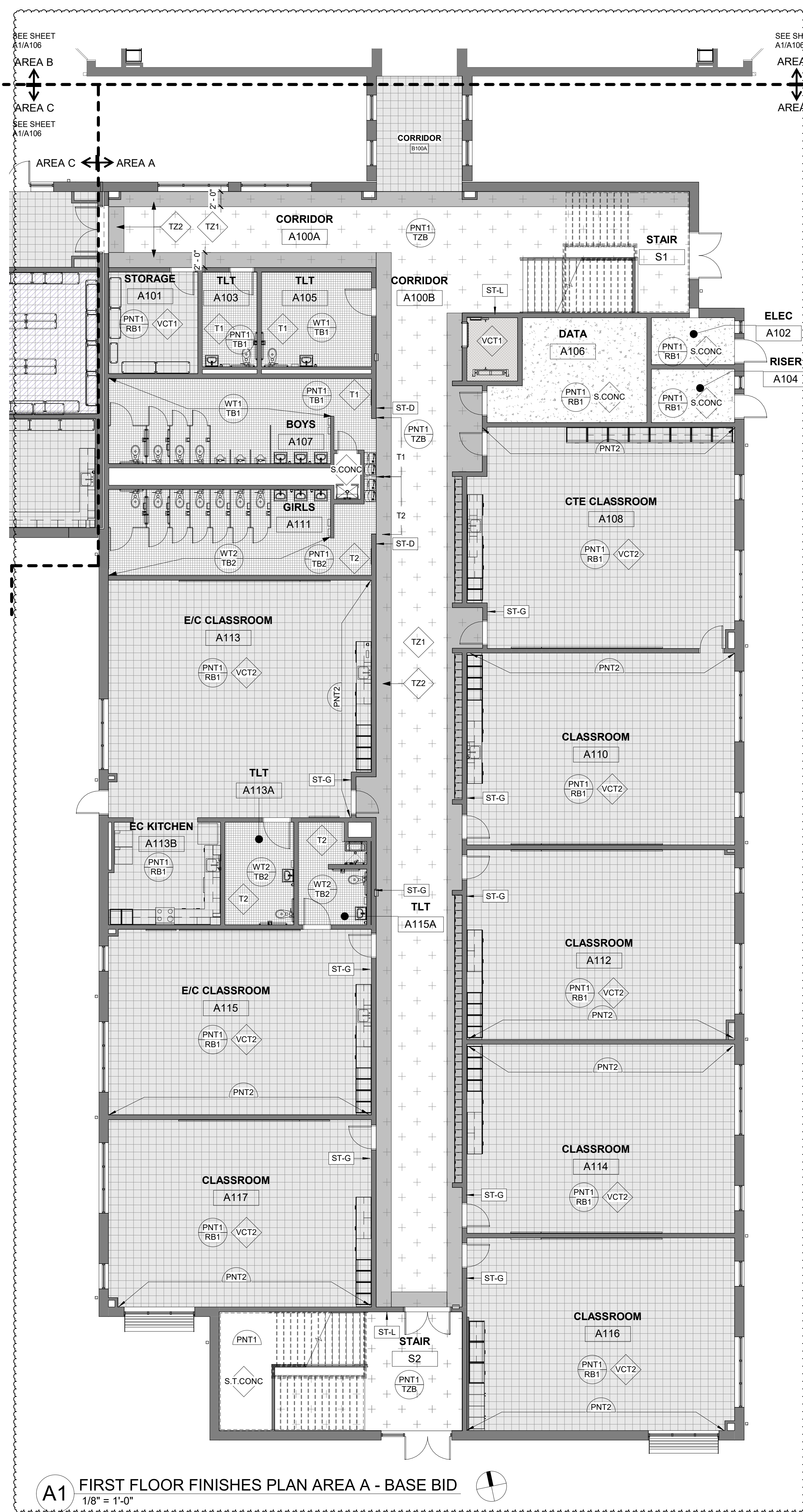
**KEY PLAN-1ST FLOOR**

NTS



**A5 SECOND FLOOR PLAN FINISHES PLAN AREA A - BASE BID**

1/8" = 1'-0"



**A1 FIRST FLOOR FINISHES PLAN AREA A - BASE BID**

1/8" = 1'-0"



**FINISHES GENERAL NOTES:**

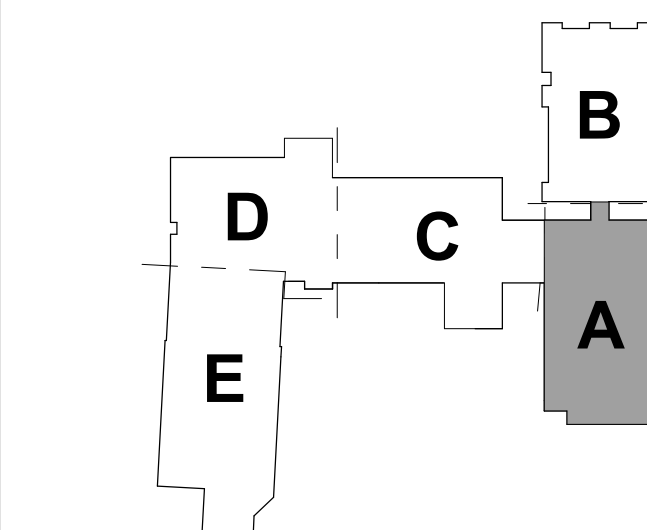
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- FOR SIGN TYPES SEE SHEET A701.

**FINISHES PLAN KEY:**

- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

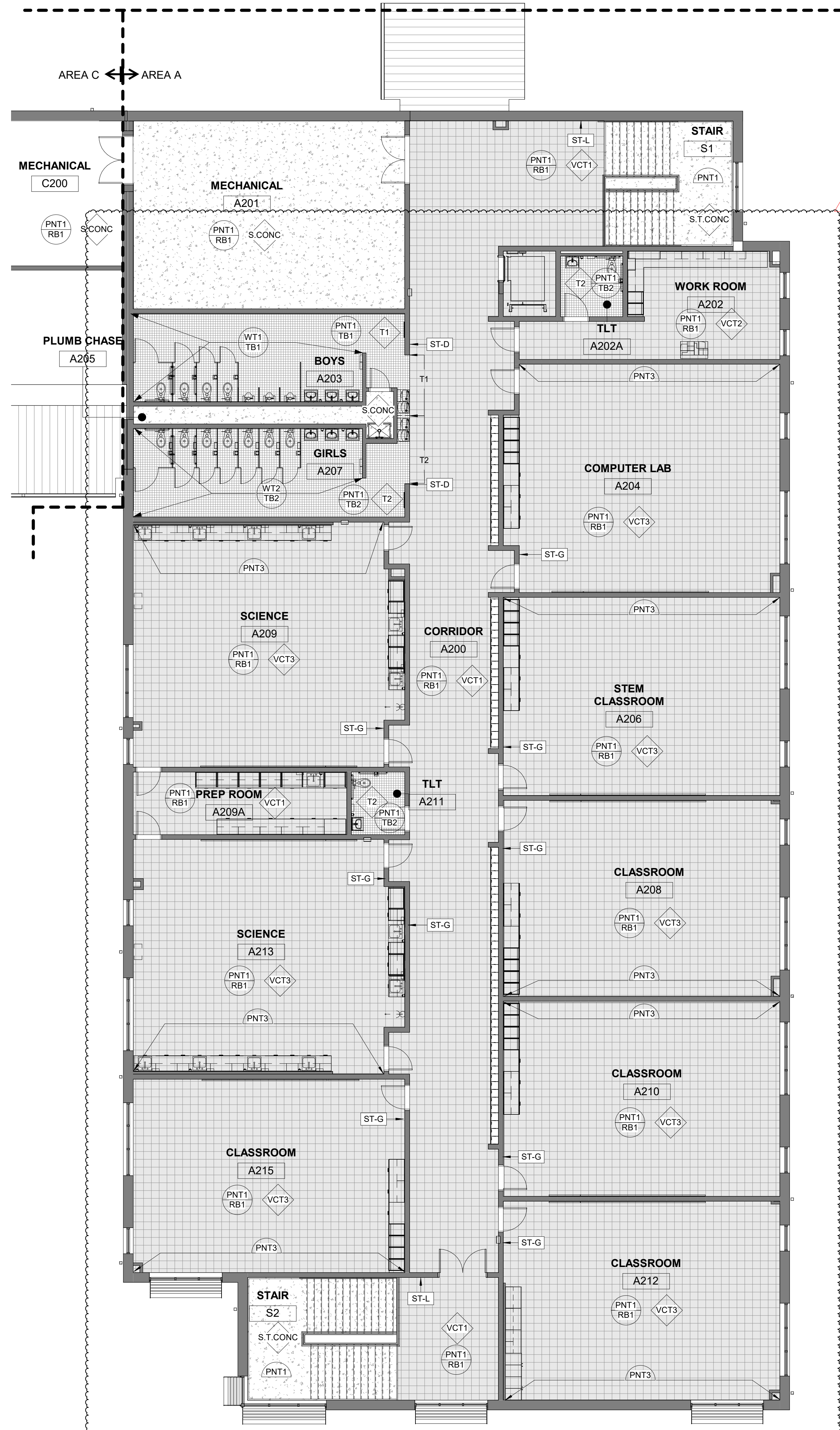
**FINISHES PLAN SYMBOL LEGEND**

- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE



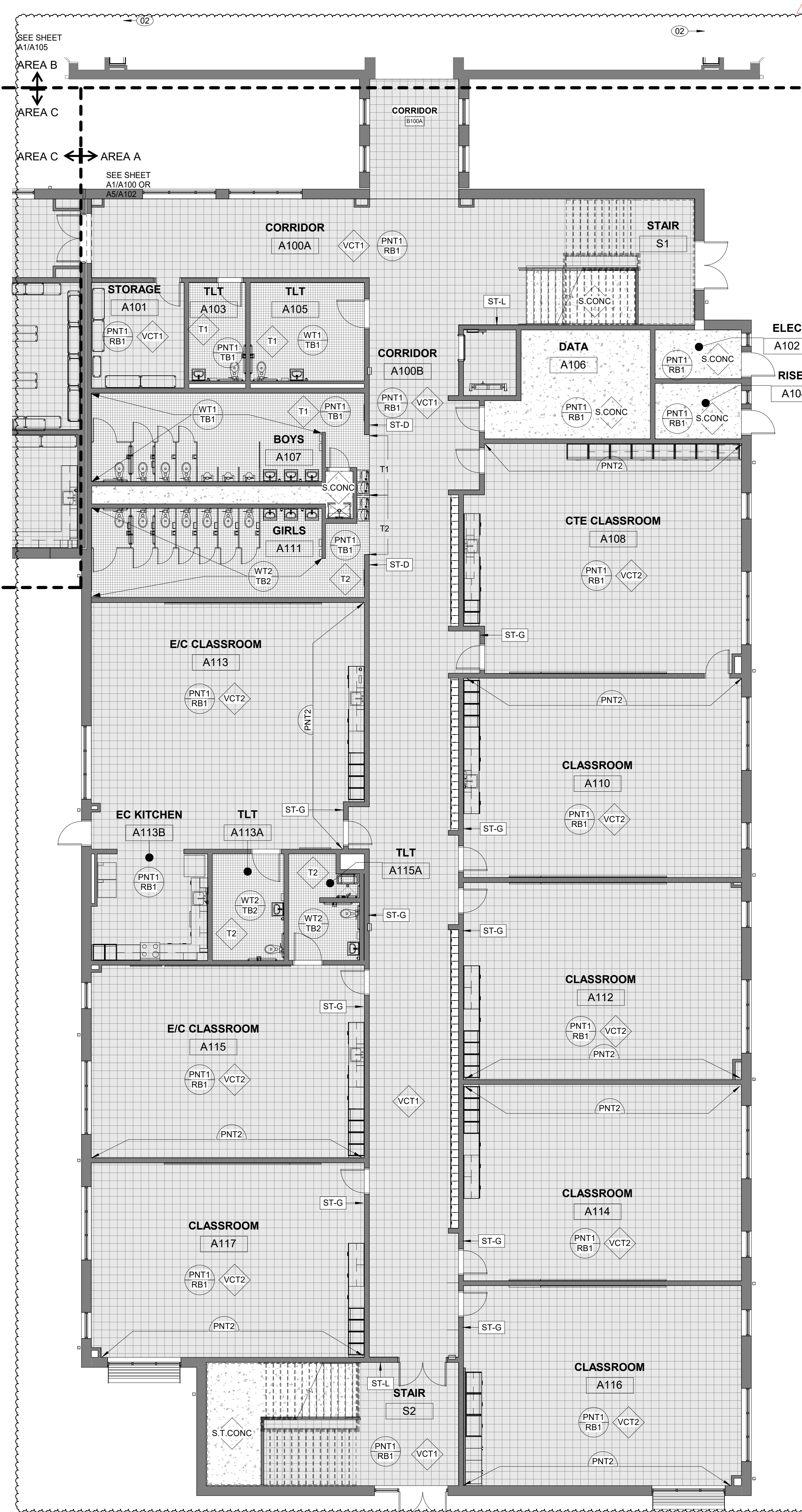
**KEY PLAN-1ST FLOOR**

NTS



**SECOND FLOOR PLAN FINISHES  
PLAN AREA A BID ALTERNATE NO. 4A**

**A5**  
1/8" = 1'-0"



**FIRST FLOOR FINISHES PLAN AREA  
A BID ALTERNATE NO. 4A**

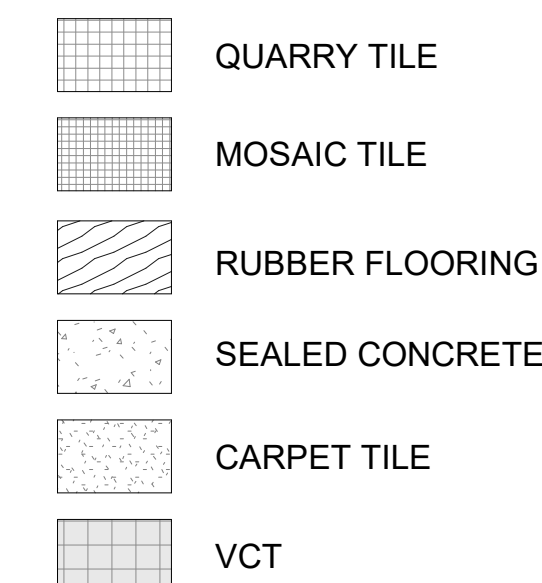
**A1**  
1/8" = 1'-0"



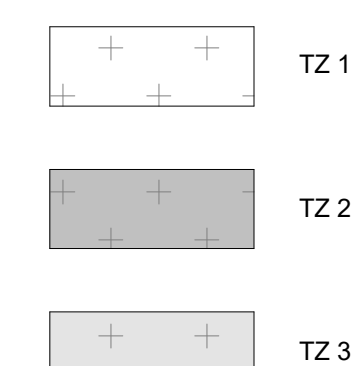
## FINISHES GENERAL NOTES:

1. SEE FLOOR PLANS FOR WALL TYPES.
2. SEE INTERIOR ELEVATIONS AND DETAILS FOR LOCATION OF CASEWORK AND WALL FINISH SELECTIONS NOT SHOWN ON PLAN.
3. PAINT COLORS PROVIDED IN MATERIALS LEGEND ARE FOR COLOR MATCH ONLY.
4. FOR MATERIALS LEGEND SEE SHEET A001
5. FOR CEILING FINISH AND COLORS REFER TO REFLECTED CEILING PLANS.
6. PAINT ALL STAIR STRINGERS, GUARDRAILS, HANDRAILS, BRACKETS AND EXPOSED UNDERSIDE OF STAIRS THROUGHOUT ALL STAIRS.
7. FOR SIGN TYPES SEE SHEET A0701.

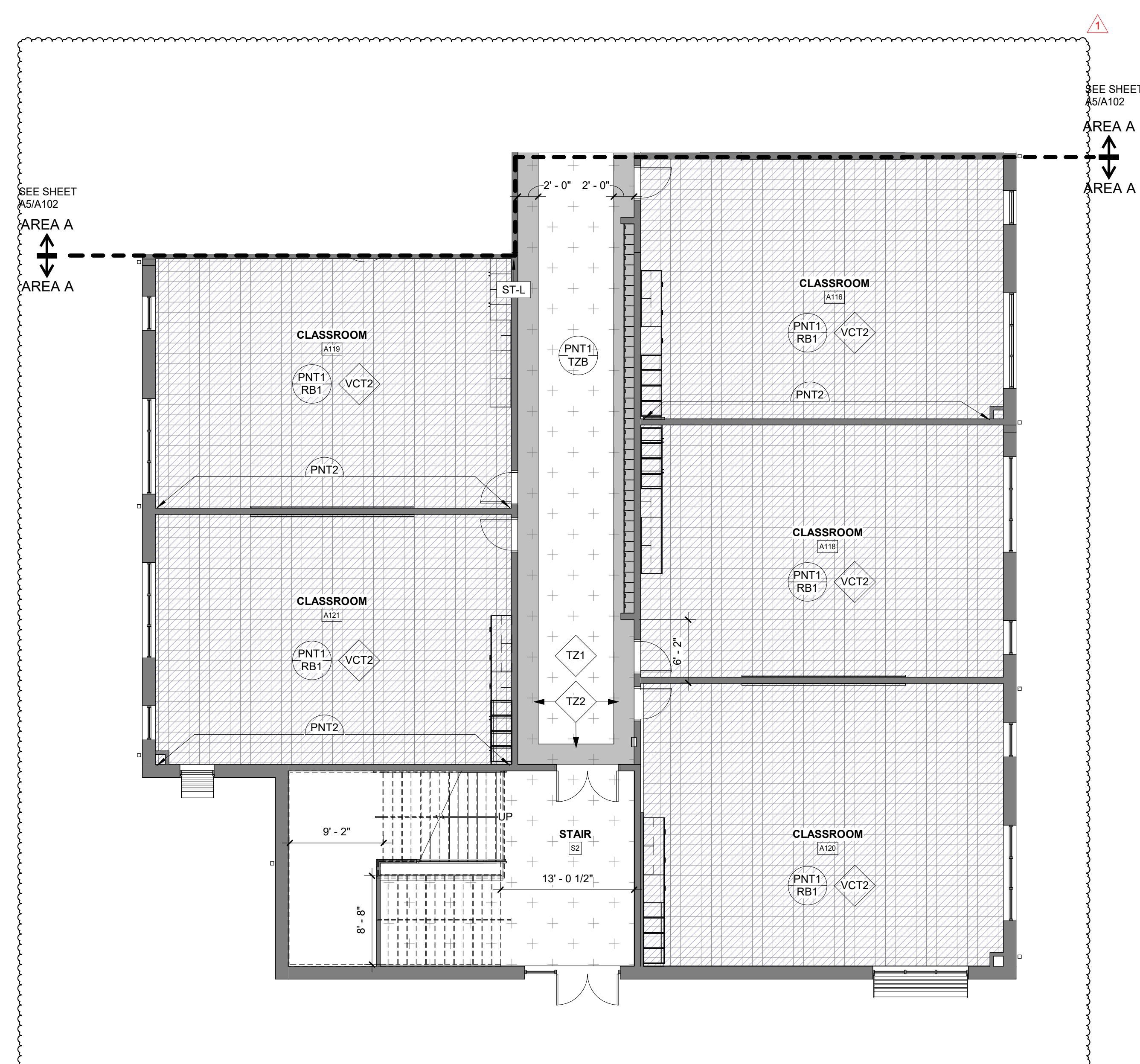
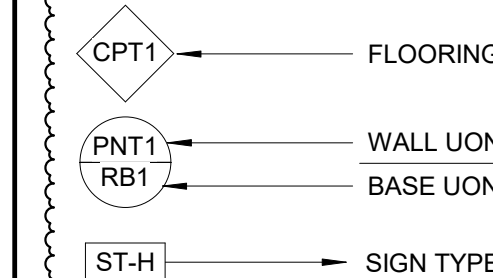
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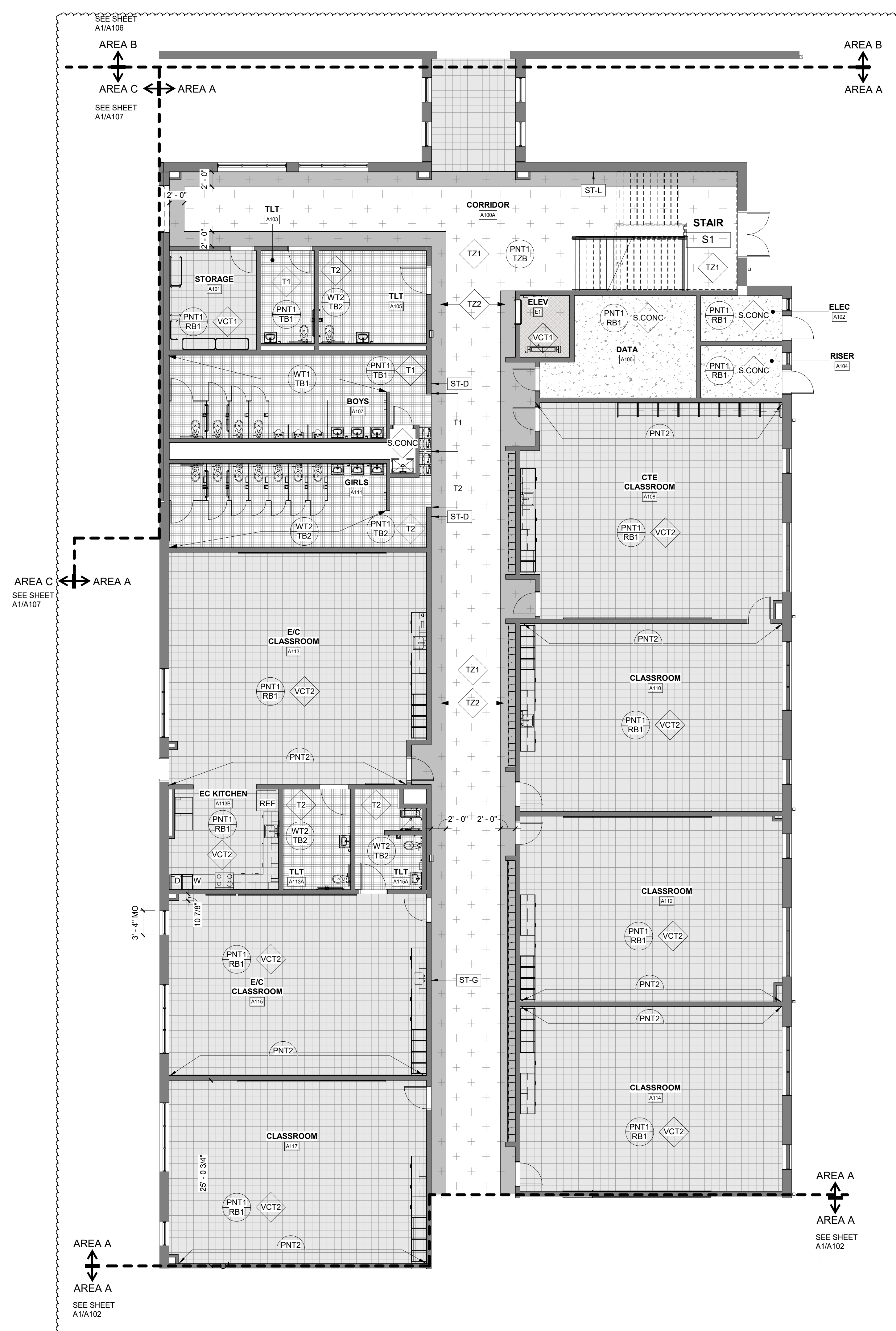
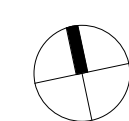
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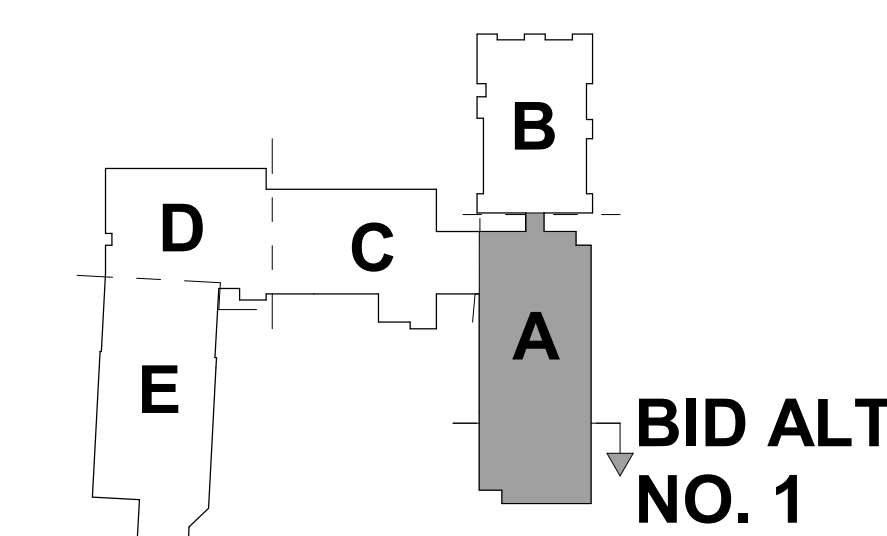
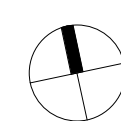
## FINISHES PLAN SYMBOL LEGEND



**A1** FIRST FLOOR FINISHES PLAN - ALT NO.1 AREA A  
1/8" = 1'-0"



**A5** FIRST FLOOR FINISHES PLAN - ALT. NO.1 AREA A  
1/8" = 1'-0"



KEY PLAN - 1ST FLOOR ALT

## SEALS



## A JOB NUMBER

2401

## REVISIONS

1 ADDENDUM #1 2/3/2025


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## DATE ISSUED

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01/10/2025

## SHEET TITLE

AREA A 1ST FLOOR  
FIN. PLANS ALT NO. 1

1102



**FINISHES GENERAL NOTES:**

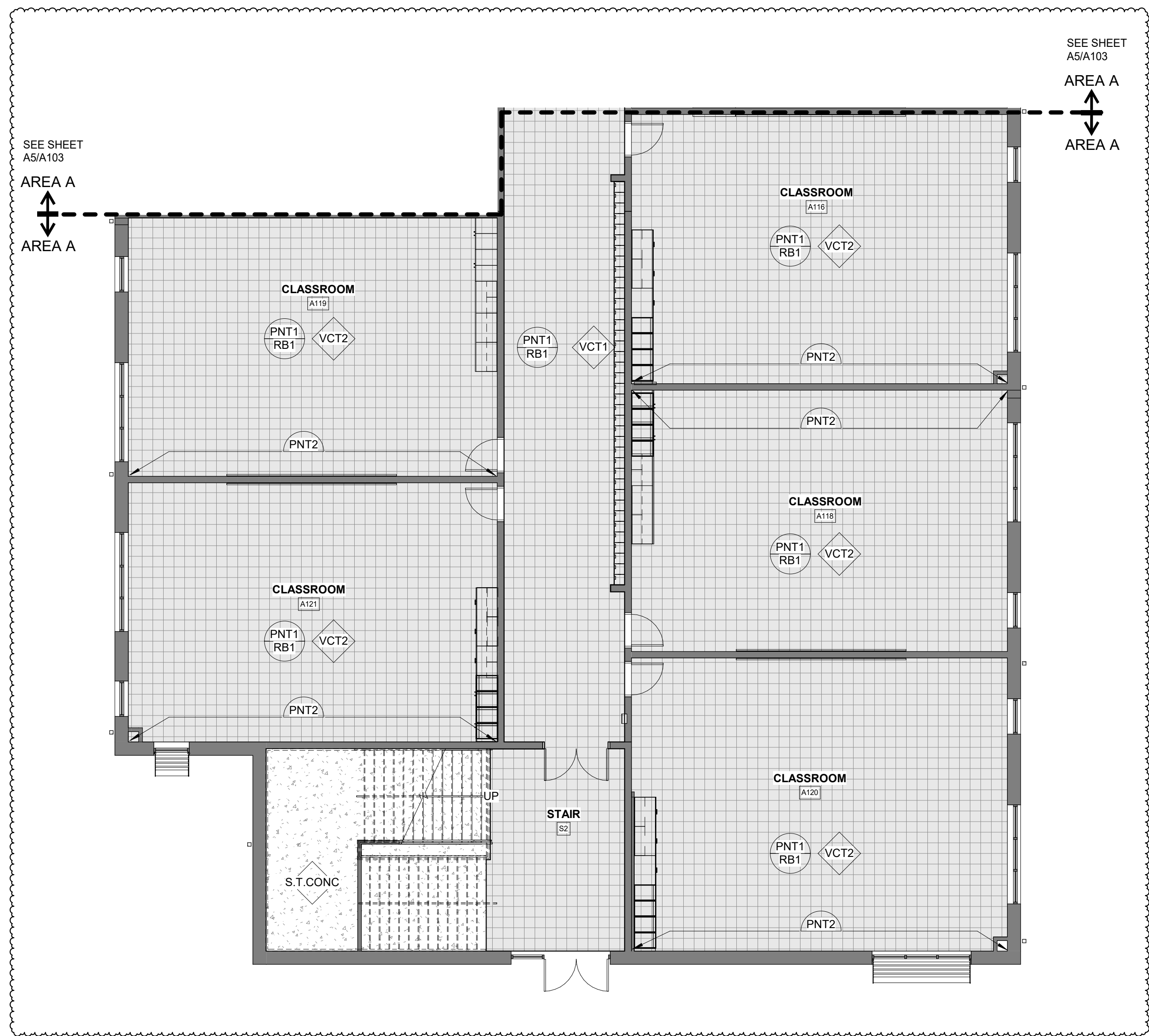
- SEE FLOOR PLANS FOR WALL TYPES.
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- FOR SIGN TYPES SEE SHEET A701.

**FINISHES PLAN KEY:**

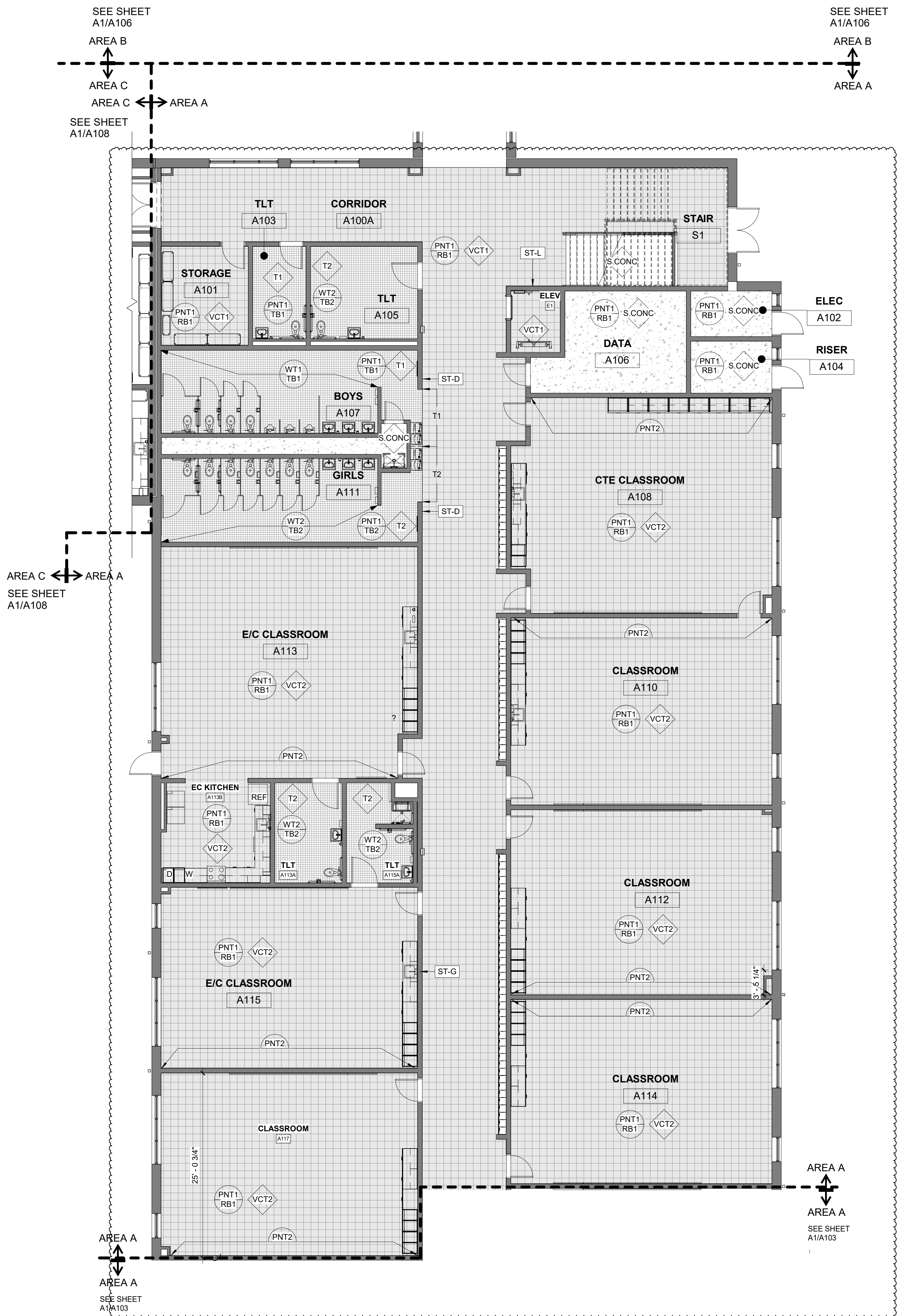
- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

**FINISHES PLAN SYMBOL LEGEND**

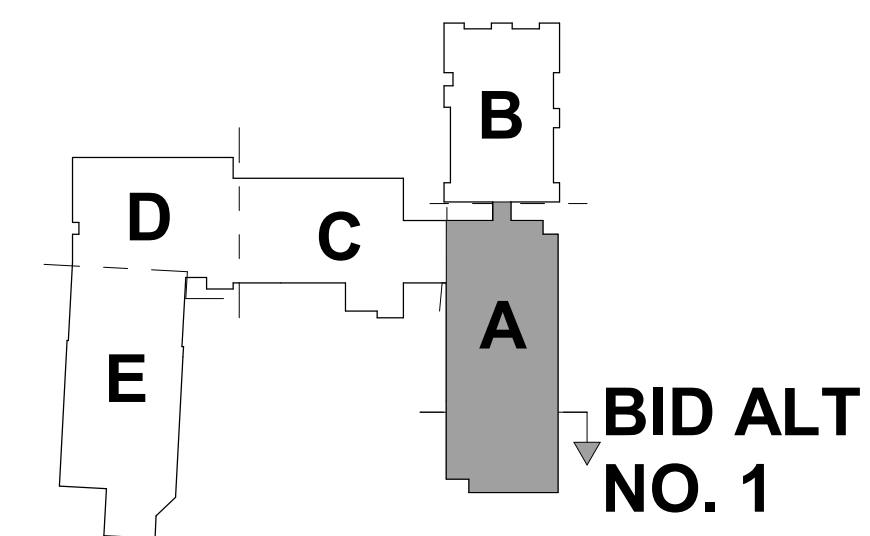
- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE



**FIRST FLOOR FINISHES PLAN - ALT**  
**NO.1 AREA A - BID ALTS NO. 4A+4B**  
1/8" = 1'-0"



**FIRST FLOOR FINISHES PLAN - ALT**  
**NO.1 AREA A - BID ALTS NO. 4A+4B**  
1/8" = 1'-0"

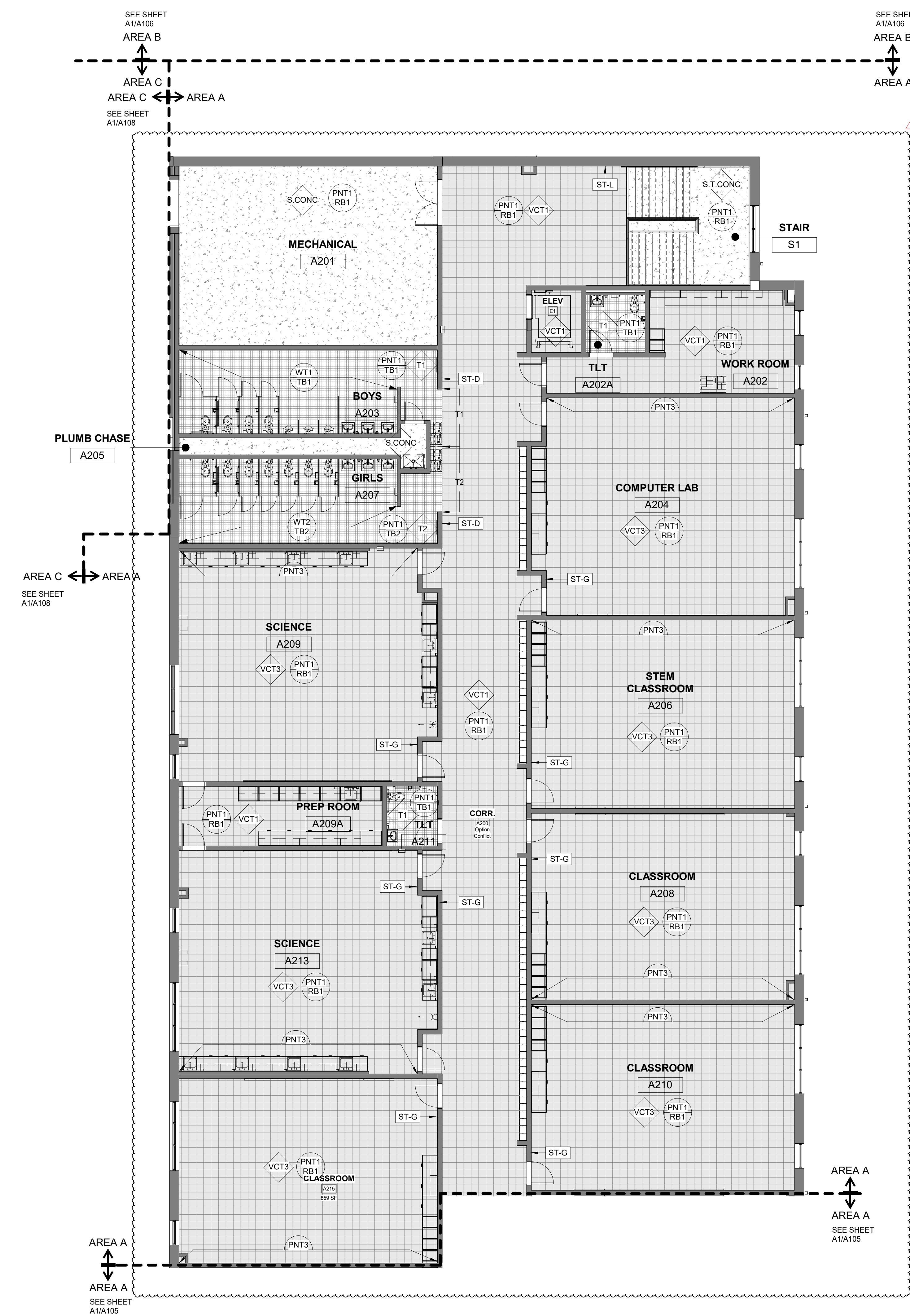
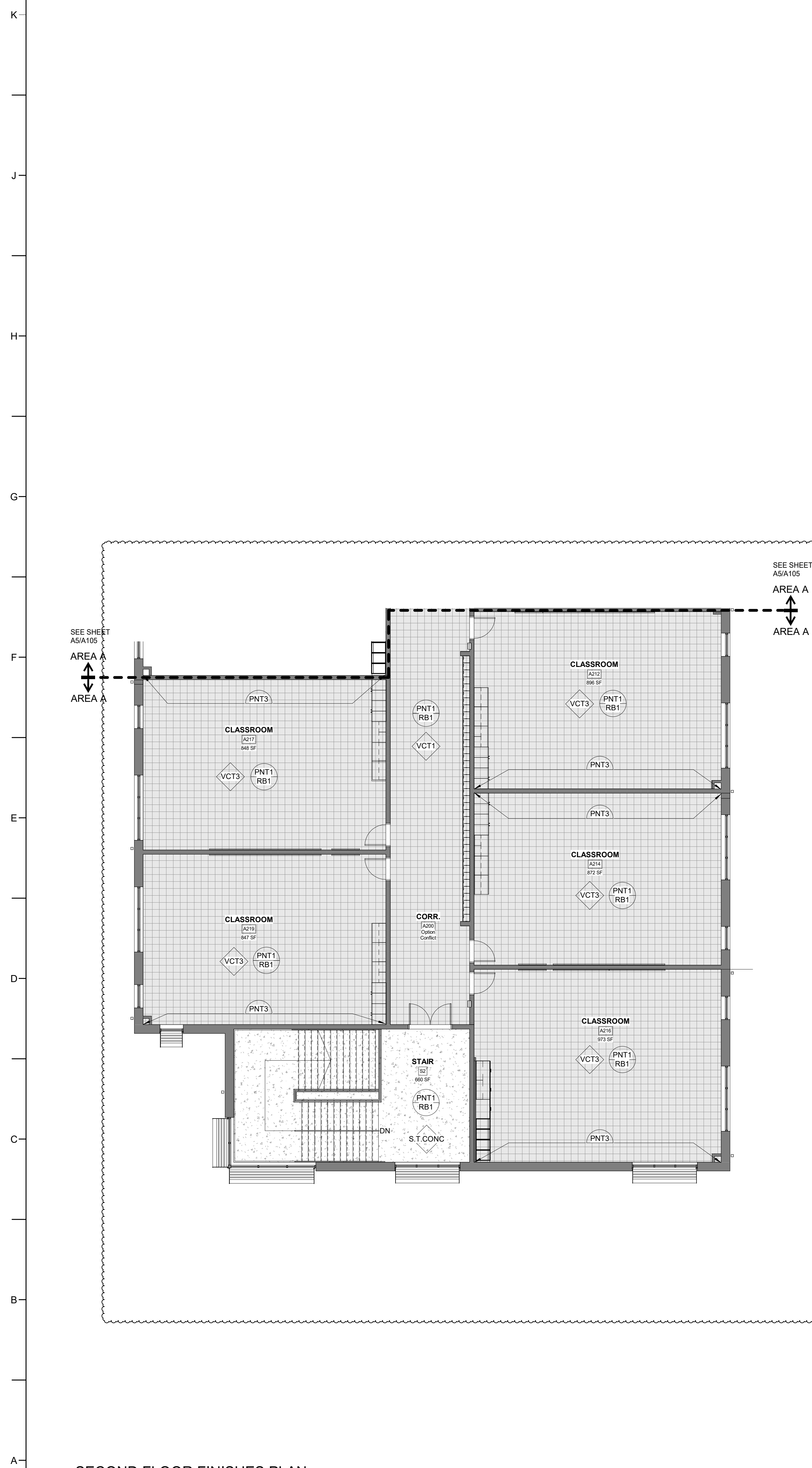


**KEY PLAN - 1ST FLOOR ALT**  
NTS



















FINISHES GENERAL NOTES:

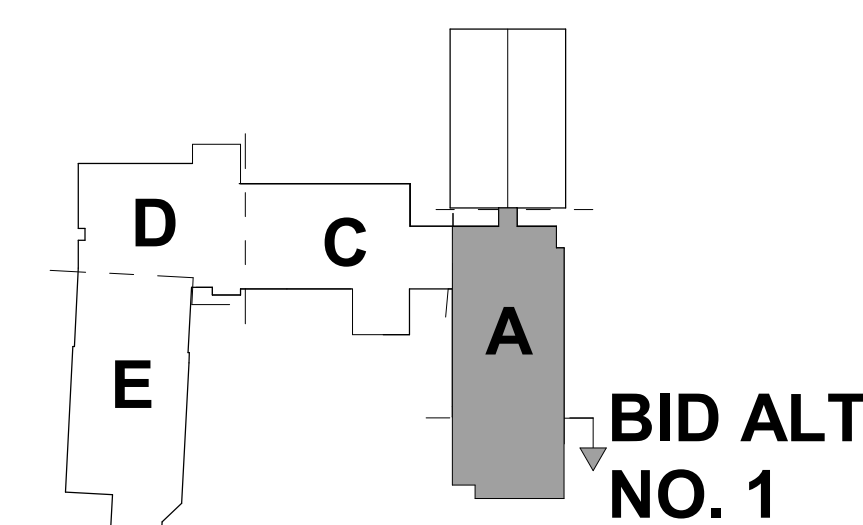
1. SEE FLOOR PLANS FOR WALL TYPES.
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7. FOR SIGN TYPES SEE SHEET A001.

FINISHES PLAN KEY:

- |   |                 |
|---|-----------------|
|  | QUARRY TILE     |
|  | MOSAIC TILE     |
|  | RUBBER FLOORING |
|  | SEALED CONCRETE |
|  | CARPET TILE     |
|  | VCT             |

## FINISHES PLAN SYMBOL LEGEND

-  CPT1 — FLOORING  
 PNT1 — WALL UOM  
 RB1 — BASE UOM  
 ST-H — SIGN TYPE



KEY PLAN - 2ND FLOOR



## PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

SEALS



JOB NUMBER

2401

## REVISIONS

1	ADDENDUM #1	2/3/2025
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PM: BETH KIN  
Drawn By: M  
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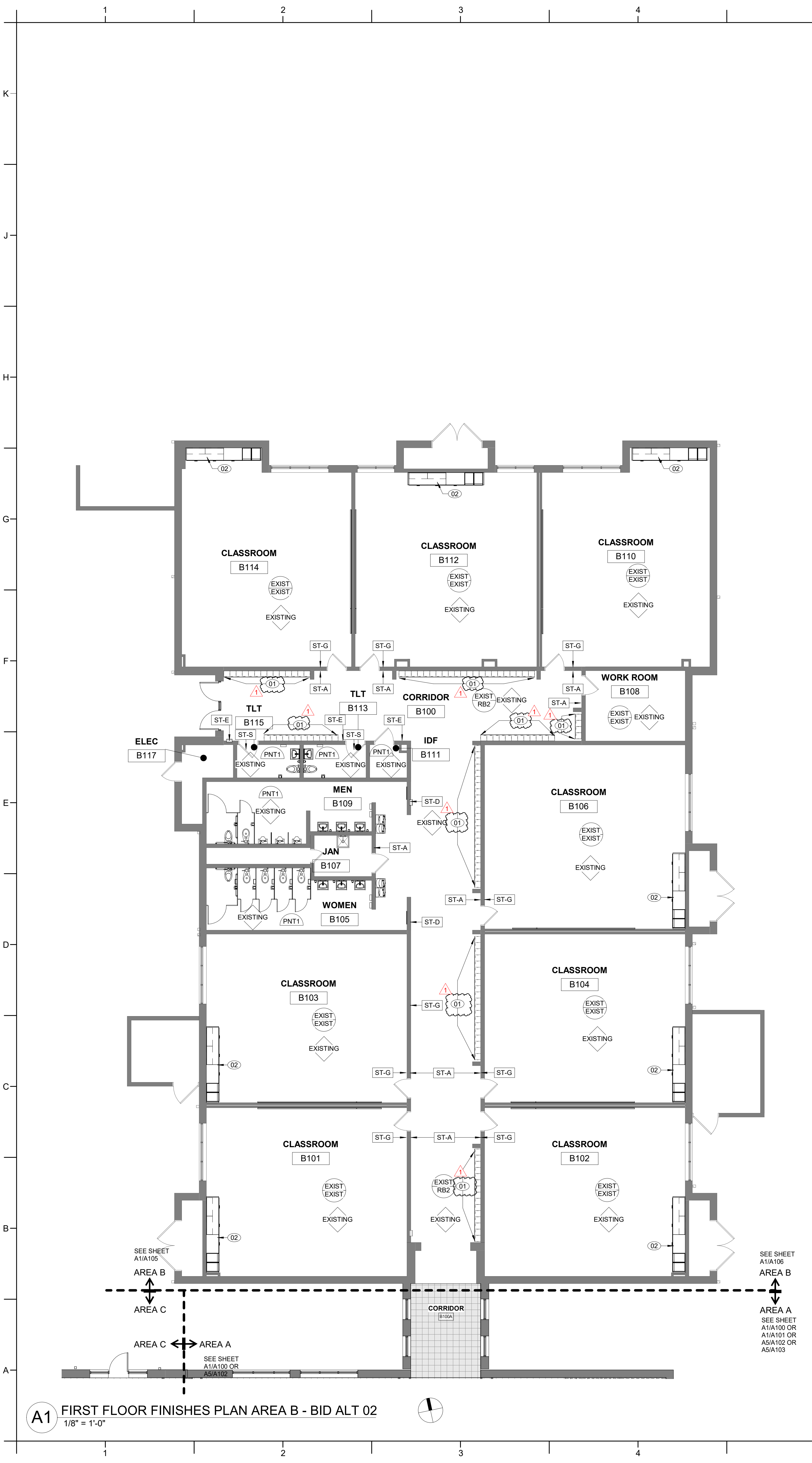
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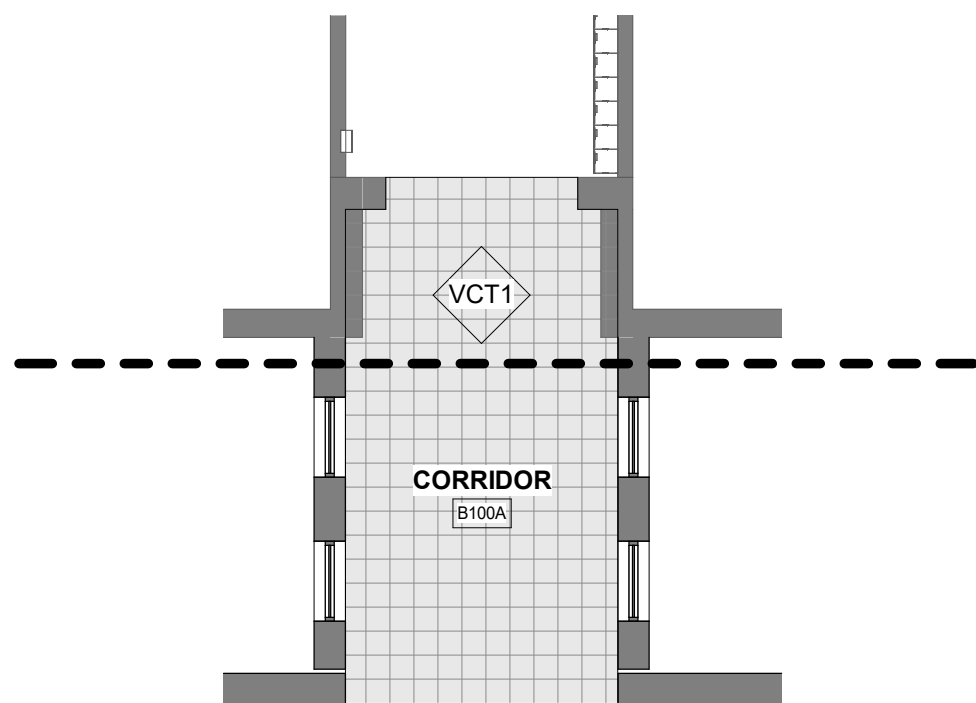
SHEET TITLE
AREA A-2ND FLOOR FIN. PLANS ALT NO 1-BID ALTS 4A+4B

1105





C5 FIRST FLOOR FINISHES PLAN - BID ALTERNATE NO. 2  
1/8" = 1'-0"



FINISHES GENERAL NOTES:

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- FOR SIGN TYPES SEE SHEET A701.

FINISHES PLAN KEY:

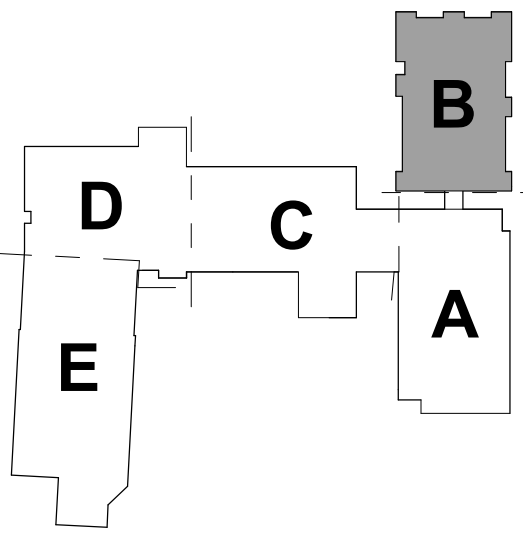
- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

FINISHES PLAN SYMBOL LEGEND

- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE

FINISHES KEY NOTES:

- NOTE: NOT ALL OF THE KEY NOTES ARE APPLICABLE TO THIS PLAN. SEE PLAN FOR KEYED ITEM LOCATIONS. KEY NOTES SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THE DRAWINGS.
- (01) NEW PAINT ON EXPOSED SURFACES OF EXISTING LOCKERS.
  - (02) PROVIDE NEW 4" HIGH BLACK RESILIENT BASE AT NEW CASEWORK TO MATCH EXISTING ADJACENT RESILIENT BASE



KEY PLAN-1ST FLOOR

NTS

PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS  
541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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Drawn By: NK  
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DATE ISSUED

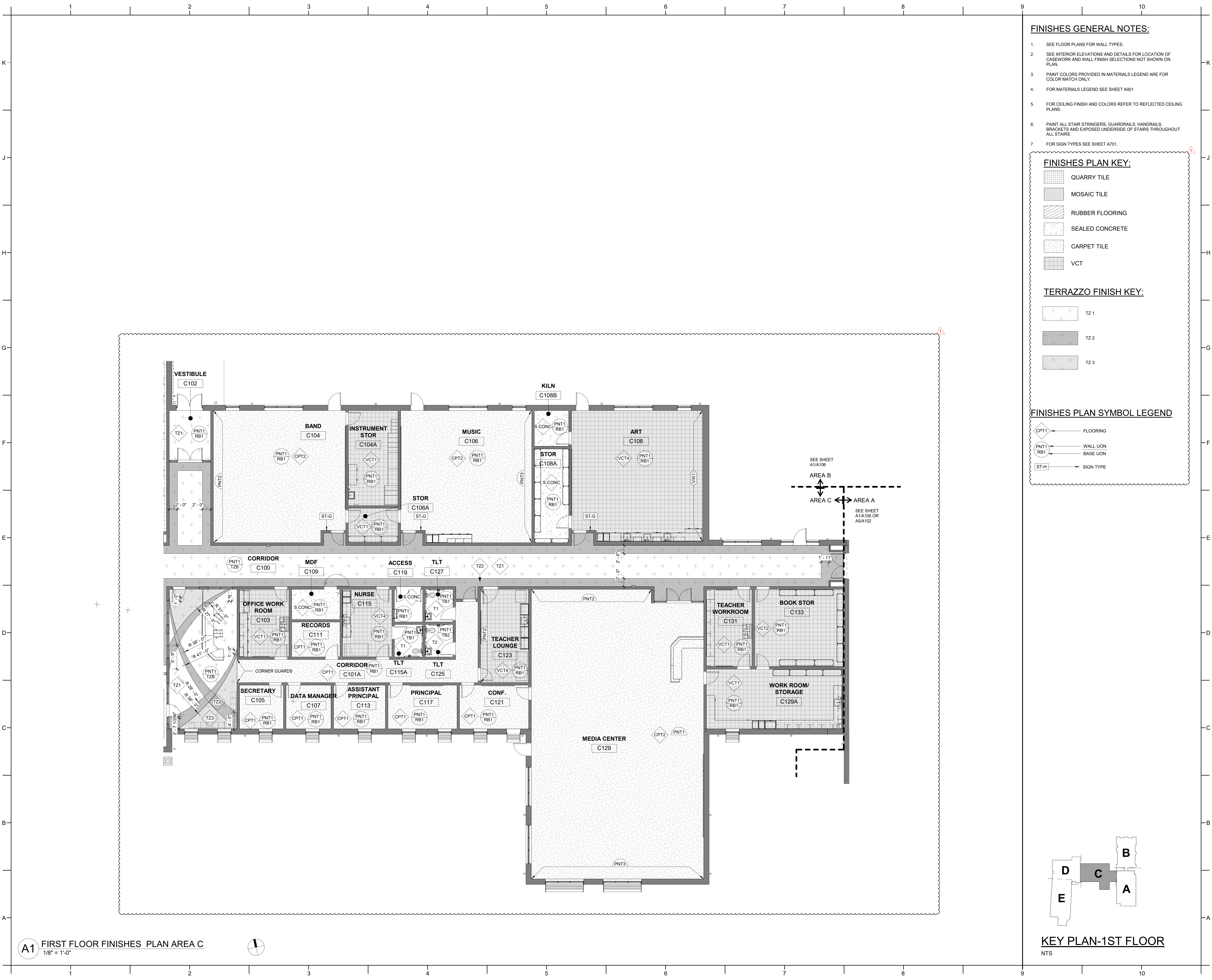
BID DOCUMENTS  
01/10/2025

SHEET TITLE

AREA B - 1ST FLOOR  
FINISHES PLAN BID  
ALTERNATE NO 2

1106





FINISHES GENERAL NOTES:

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FINISHES PLAN KEY:

- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

TERRAZZO FINISH KEY:

- TZ 1
- TZ 2
- TZ 3

FINISHES PLAN SYMBOL LEGEND

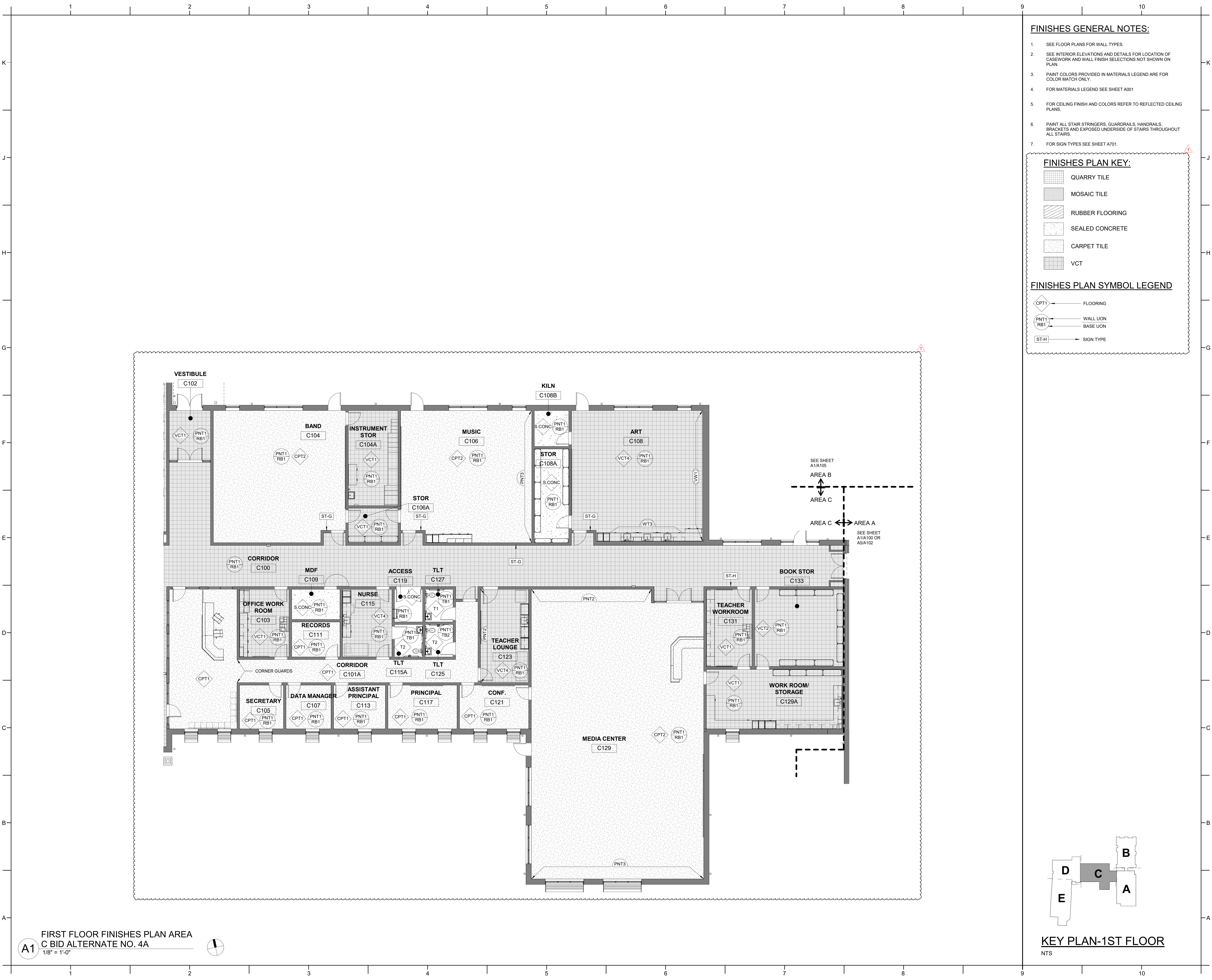
- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE

1	ADDENDUM #1	2/3/2025

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FINISHES PLAN KEY:

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- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

FINISHES PLAN SYMBOL LEGEND

- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE

PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

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REVISIONS

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PM: BETH KING  
Drawn By: NK  
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DATE ISSUED

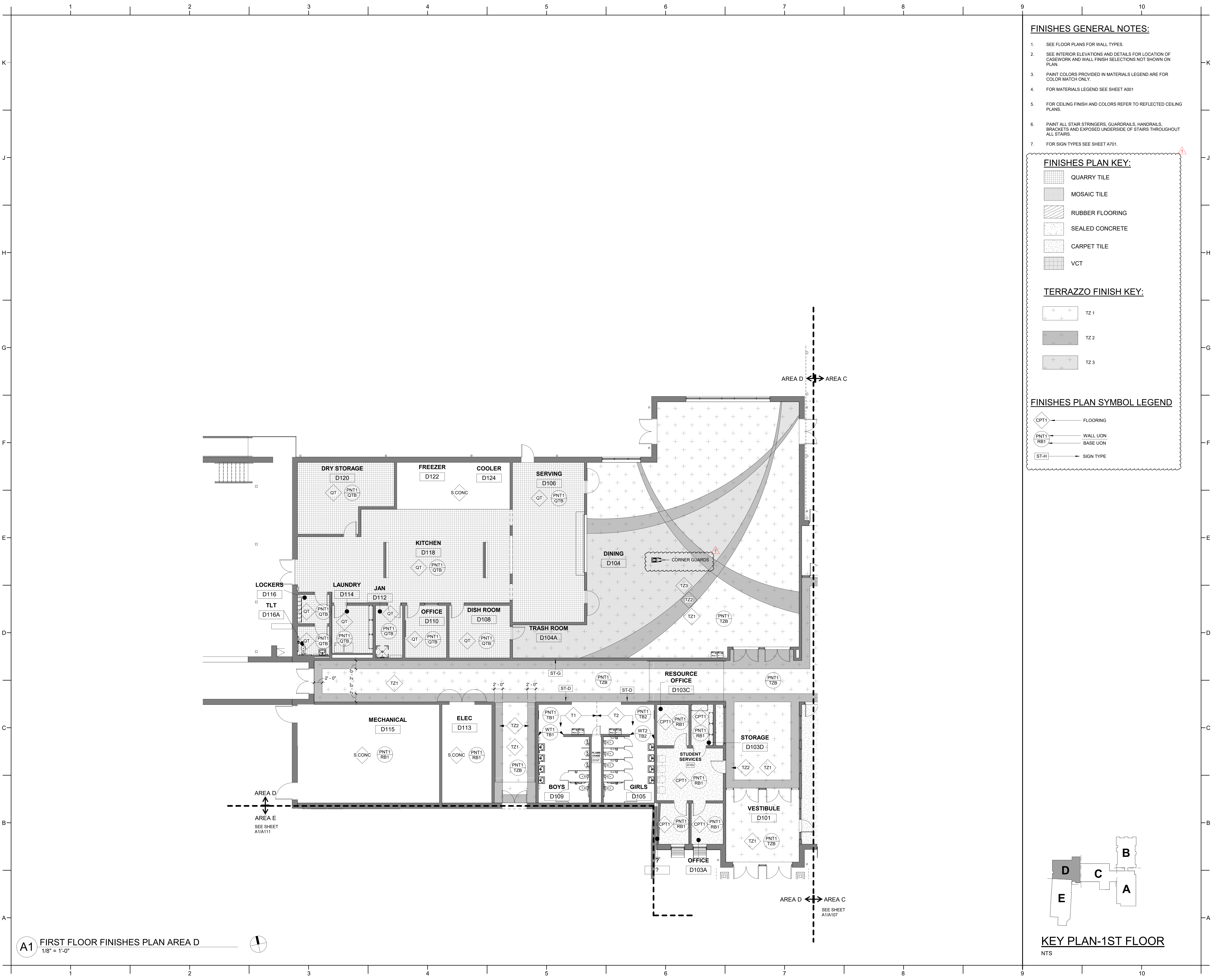
BID DOCUMENTS  
01/10/2025

SHEET TITLE

AREA C - 1ST FLOOR  
FIN. PLAN - BIT ALT  
NO. 4A

1108





**FINISHES GENERAL NOTES:**

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- FOR SIGN TYPES SEE SHEET A701.

**FINISHES PLAN KEY:**

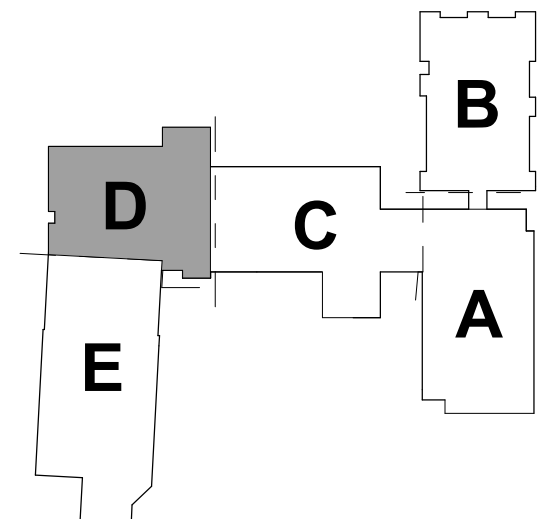
- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

**TERRAZZO FINISH KEY:**

- TZ 1
- TZ 2
- TZ 3

**FINISHES PLAN SYMBOL LEGEND**

- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE



**KEY PLAN-1ST FLOOR**

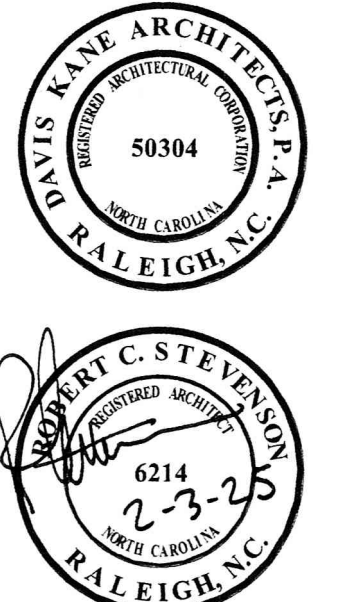
NTS

**PROJECT INFORMATION**

**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS**

541 North Carolina 581 S, Goldsboro, NC 27530

**SEALS**



**DKA JOB NUMBER**

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**REVISIONS**

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PA: ROBERT STEVENSON  
PM: BETH KING  
Drawn By: NK  
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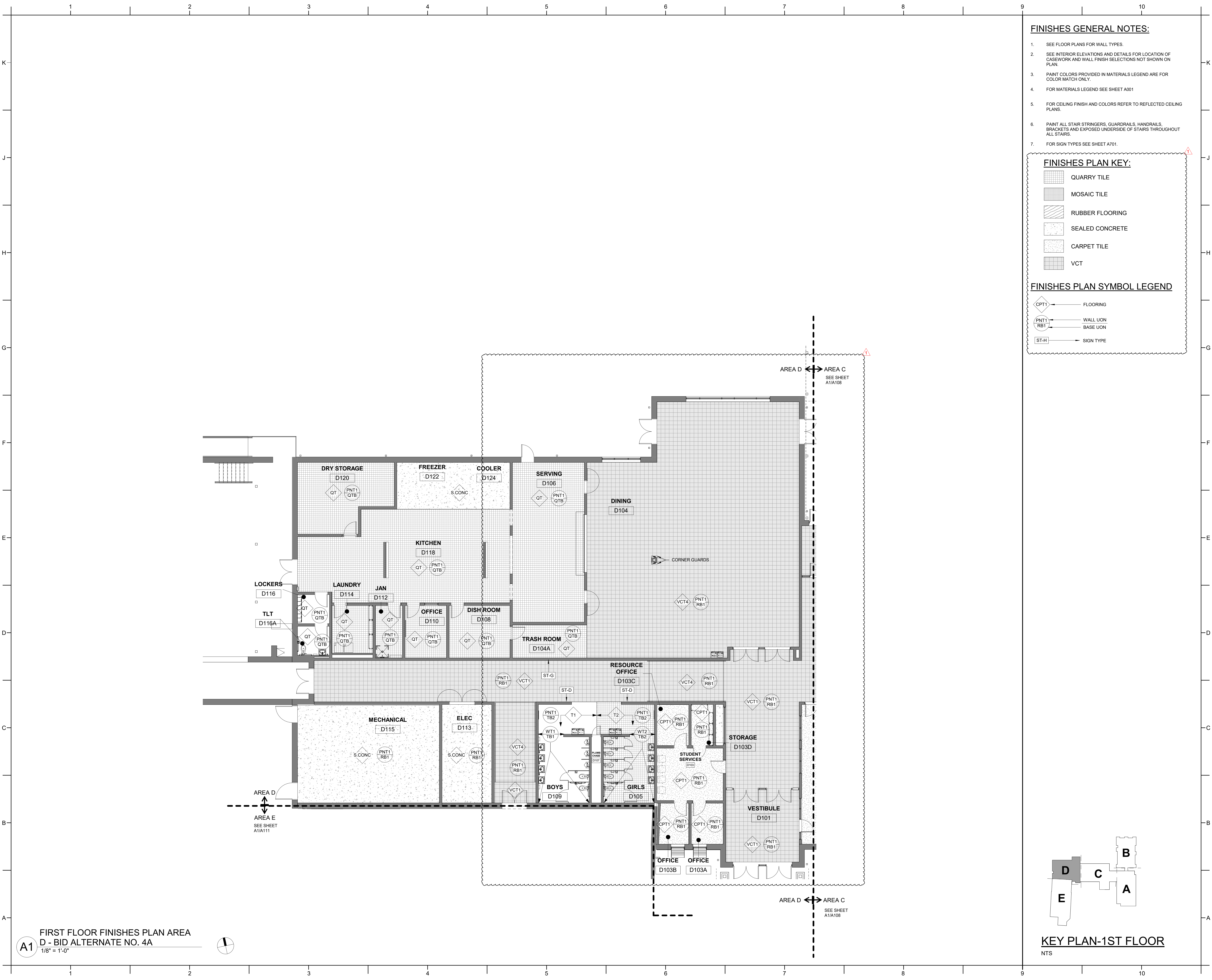
BID DOCUMENTS  
01/10/2025

**SHEET TITLE**

AREA D - 1ST FLOOR  
FINISHES PLAN

**1109**





FINISHES GENERAL NOTES:

- SEE FLOOR PLANS FOR WALL TYPES.
- SEE INTERIOR ELEVATIONS AND DETAILS FOR LOCATION OF CASEWORK AND WALL FINISH SELECTIONS NOT SHOWN ON PLAN.
- PAINT COLORS PROVIDED IN MATERIALS LEGEND ARE FOR COLOR MATCH ONLY.
- FOR MATERIALS LEGEND SEE SHEET A001
- FOR CEILING FINISH AND COLORS REFER TO REFLECTED CEILING PLANS.
- PAINT ALL STAIR STRINGERS, GUARDRAILS, HANDRAILS, BRACKETS AND EXPOSED UNDERSIDE OF STAIRS THROUGHOUT ALL STAIRS.
- FOR SIGN TYPES SEE SHEET A701.

FINISHES PLAN KEY:

- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
- SEALED CONCRETE
- CARPET TILE
- VCT

FINISHES PLAN SYMBOL LEGEND

- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE

PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

REVISIONS

1	ADDENDUM #1	2/3/2025

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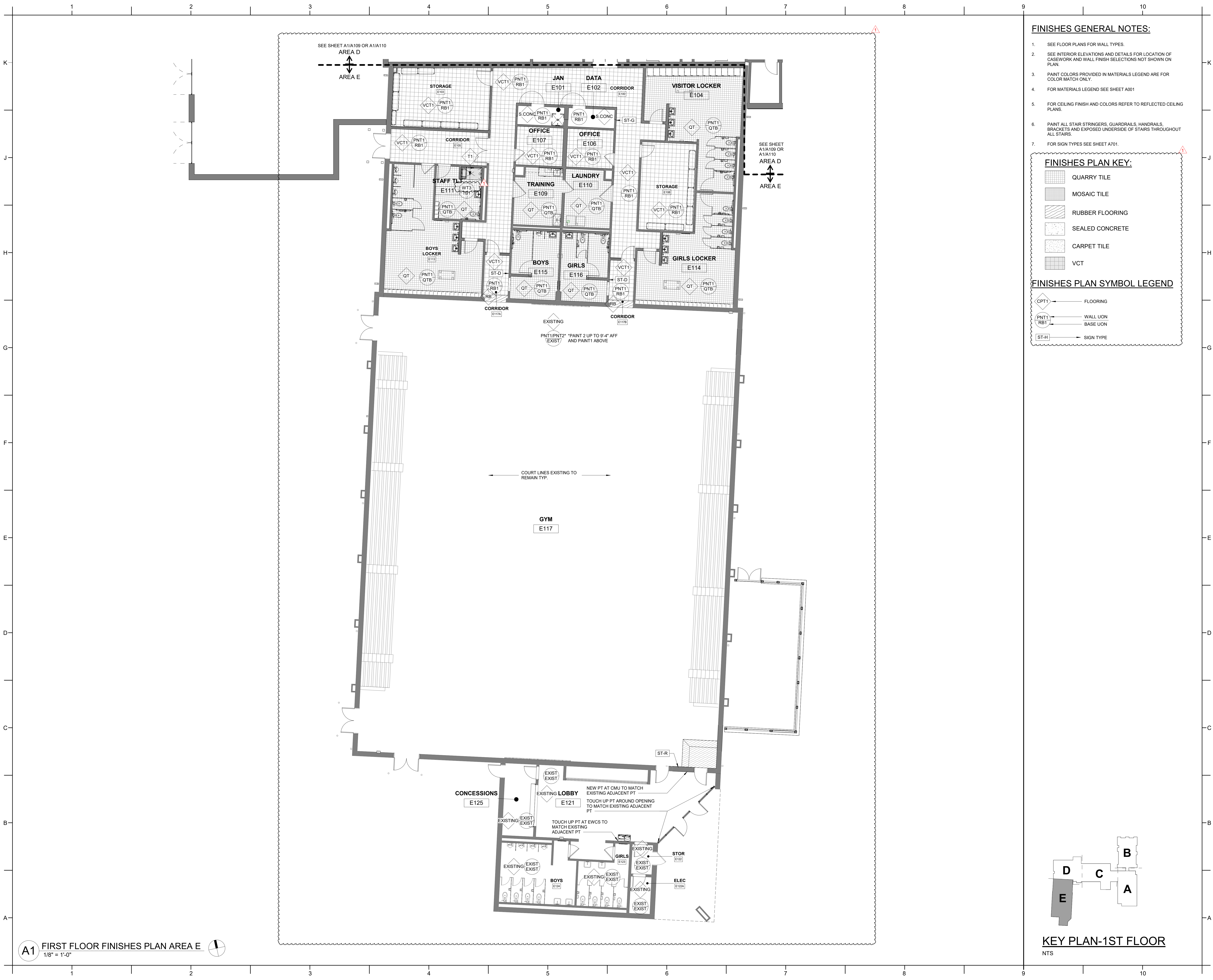
BID DOCUMENTS  
01/10/2025

SHEET TITLE

AREA D - 1ST FLOOR  
FINISHES PLAN BID  
ALT NO. 4A

**1110**





**FINISHES GENERAL NOTES:**

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**FINISHES PLAN KEY:**

- QUARRY TILE
- MOSAIC TILE
- RUBBER FLOORING
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- CARPET TILE
- VCT

**FINISHES PLAN SYMBOL LEGEND**

- FLOORING
- WALL UON
- BASE UON
- SIGN TYPE



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**PROJECT INFORMATION**

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ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS**

541 North Carolina 581 S, Goldsboro, NC 27530

**SEALS**



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01/10/2025

**SHEET TITLE**  
AREA E - 1ST FLOOR  
FINISHES PLAN

**1111**





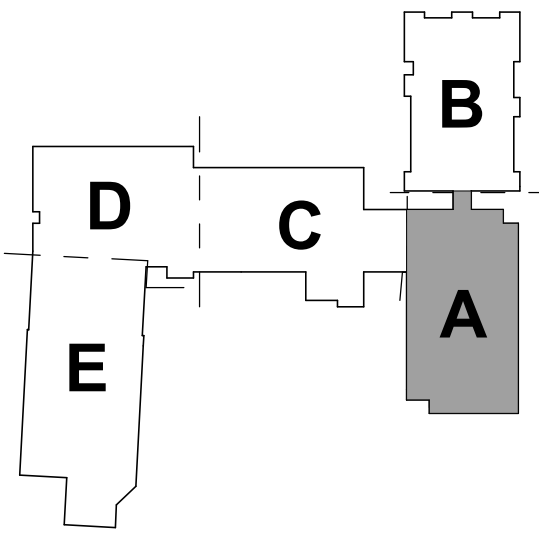




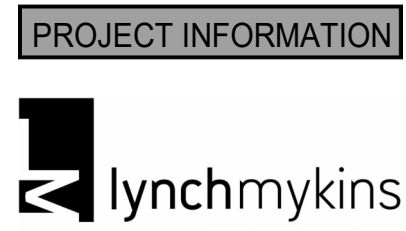
WALL FOOTING SCHEDULE				
MARK	SIZE		REINFORCING	
	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE
WF2	2' - 0"	1'-0"	(3) #5 BOT	#5 AT 24" OC BOT
WF3	3' - 0"	1'-0"	(4) #5 BOT	#5 AT 24" OC BOT
WF5	5' - 0"	1'-6"	(6) #6 BOT	#6 AT 12" OC BOT
WF6	6' - 0"	1'-6"	(7) #6 TOP & BOT	#6 AT 12" OC TOP & BOT

- # FOUNDATION PLAN NOTES
- 
- A. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO NONBEARING WALLS, WALL CONTROL JOINTS AND OPENINGS.
  - B. UNLESS OTHERWISE NOTED, ALL ELEVATIONS ARE BASED ON A FINISHED FIRST FLOOR REFERENCE OF 0'-0". ACTUAL FINISHED FLOOR ELEVATION IS 131.14'. FINISHED FLOOR ELEVATIONS AT EACH LEVEL ARE INDICATED ON SLAB PLANS. REFERENCE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR MATERIALS.
  - C. TOP OF ALL FOOTINGS MUST BE AT ELEVATION -1'-4" UNLESS OTHERWISE NOTED.
  - D. NOT ALL UTILITY LOCATIONS ARE SHOWN ON PLAN. THE CONTRACTOR MUST COORDINATE THE LOCATIONS, SIZES, AND INVEL AR OF UTILITIES AT LOCATIONS WHERE UTILITIES PASS BELOW THE TOP OF FOOTING ELEVATION, STEP THE TOP OF FOOTING DOWN ON EACH SIDE PER THE "TYPICAL STEPPED FOOTING DETAIL" AND SLEEVE THE UTILITY THROUGH THE FOUNDATION WALL. THE CONTRACTOR MAY, AT HIS/HER OPTION, SLEEVE THE UTILITY THROUGH THE FOUNDATION PER THE "TYPICAL PIPE SLEEVE AT WALL FOOTING DETAILS."
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  - H. DIMENSIONS TO ELEVATOR PIT FOR BIDDING PURPOSES ONLY. CONTRACTOR TO COORDINATE WITH EQUIPMENT PURCHASER.

101 2'-0" SQUARE SUMP PIT FOR ELEVATOR. REFERENCE TYPICAL  
DETAIL. COORDINATE LOCATION WITH PLUMBING DRAWINGS  
AND ELEVATOR MANUFACTURER.



## KEY PLAN - 1ST FLOOR



**Structural Engineers**  
301 N. West Street, Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LM23.307

**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S, Goldsboro, NC 27530



02/03/2025

DKA JOB NUMBER  
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DE: LI  
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01/10/2025

FOUNDATION PLAN -  
AREA A

S01.11A



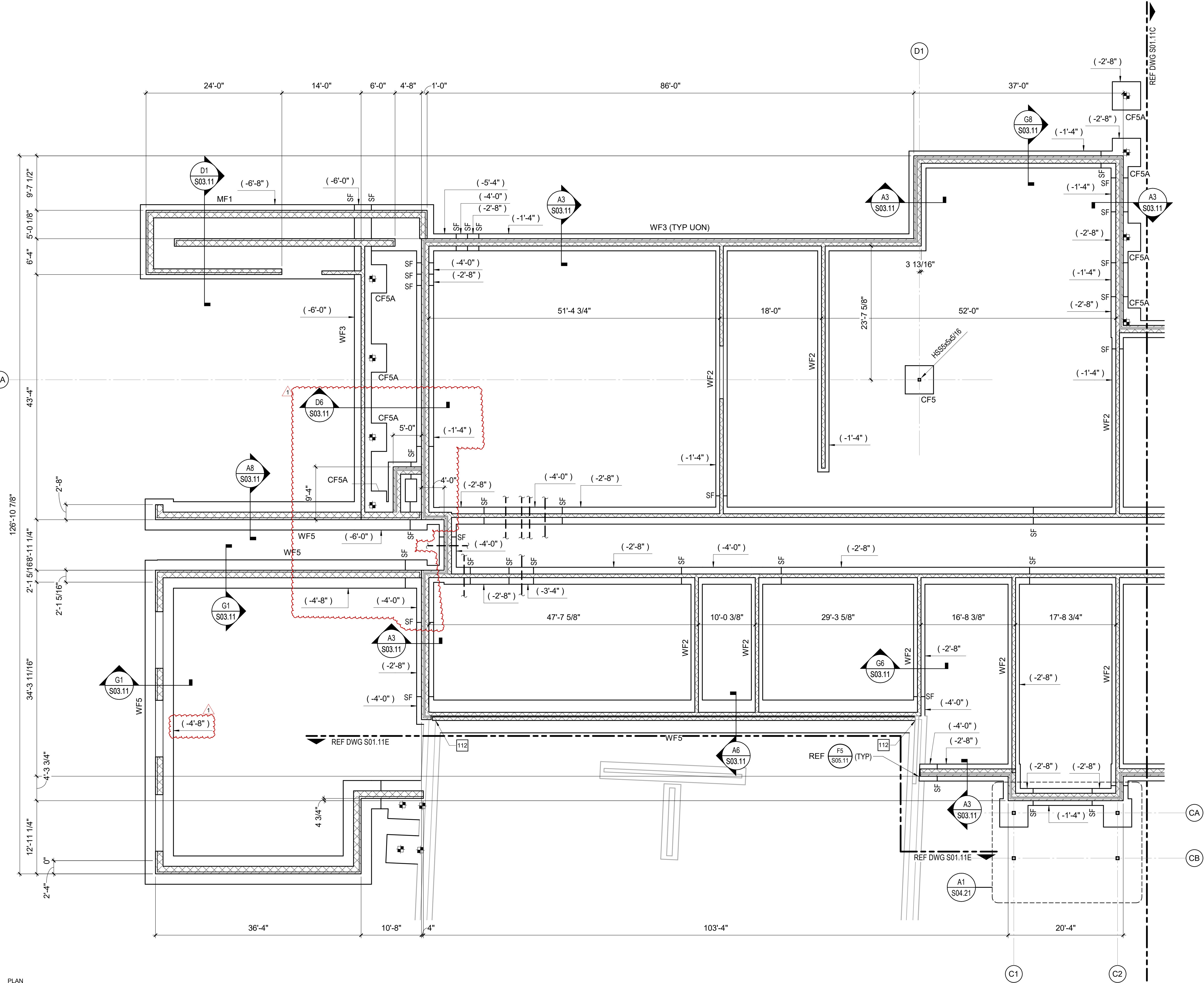
MAT FOOTING SCHEDULE					
MARK	DEPTH	REINFORCING		REMARKS	
		BOTTOM	TOP		
MF1	1'-6"	#6 AT 12" OC EW	#6 AT 12" OC EW	-	
MF1	1'-6"	#6 AT 12" OC EW	#6 AT 12" OC EW	-	

COLUMN FOOTING SCHEDULE					
MARK	SIZE			REINFORCING	
	LENGTH	WIDTH	DEPTH	BOTTOM	TOP
CF4	4' - 0"	4' - 0"	1'-0"	(5) #5 EW	(5) #5 EW
CF5	5' - 0"	5' - 0"	1'-2"	(6) #5 EW	(6) #5 EW
CF5A	5' - 0"	5' - 0"	3'-0"	(7) #7 EW	(7) #7 EW
CF6	6' - 0"	6' - 0"	1'-6"	(7) #5 EW	(7) #5 EW

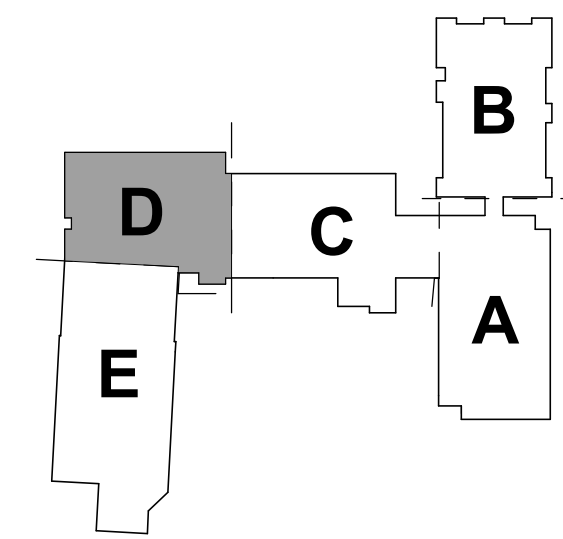
WALL FOOTING SCHEDULE					
MARK	SIZE		REINFORCING		
	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE	
WF2	2' - 0"	1'-0"	(3) #5 BOT	#5 AT 24" OC BOT	
WF3	3' - 0"	1'-0"	(4) #5 BOT	#5 AT 24" OC BOT	
WF5	5' - 0"	1'-6"	(6) #6 BOT	#6 AT 12" OC BOT	
WF6	6' - 0"	1'-6"	(7) #6 TOP & BOT	#6 AT 12" OC TOP & BOT	

- FOUNDATION PLAN NOTES**
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- H. DIMENSIONS TO ELEVATOR PIT FOR BIDDING PURPOSES ONLY. CONTRACTOR TO COORDINATE WITH EQUIPMENT PURCHASED.

- KEY NOTES**
- 112 CUT CORNER NEW CMU WALL AT FOUNDATION LEVEL TO MATCH COURSING OF EXISTING CMU. TOOTH NEW WALL INTO CORNERS AND PROVIDE CONTINUOUS VERTICAL REINFORCING.

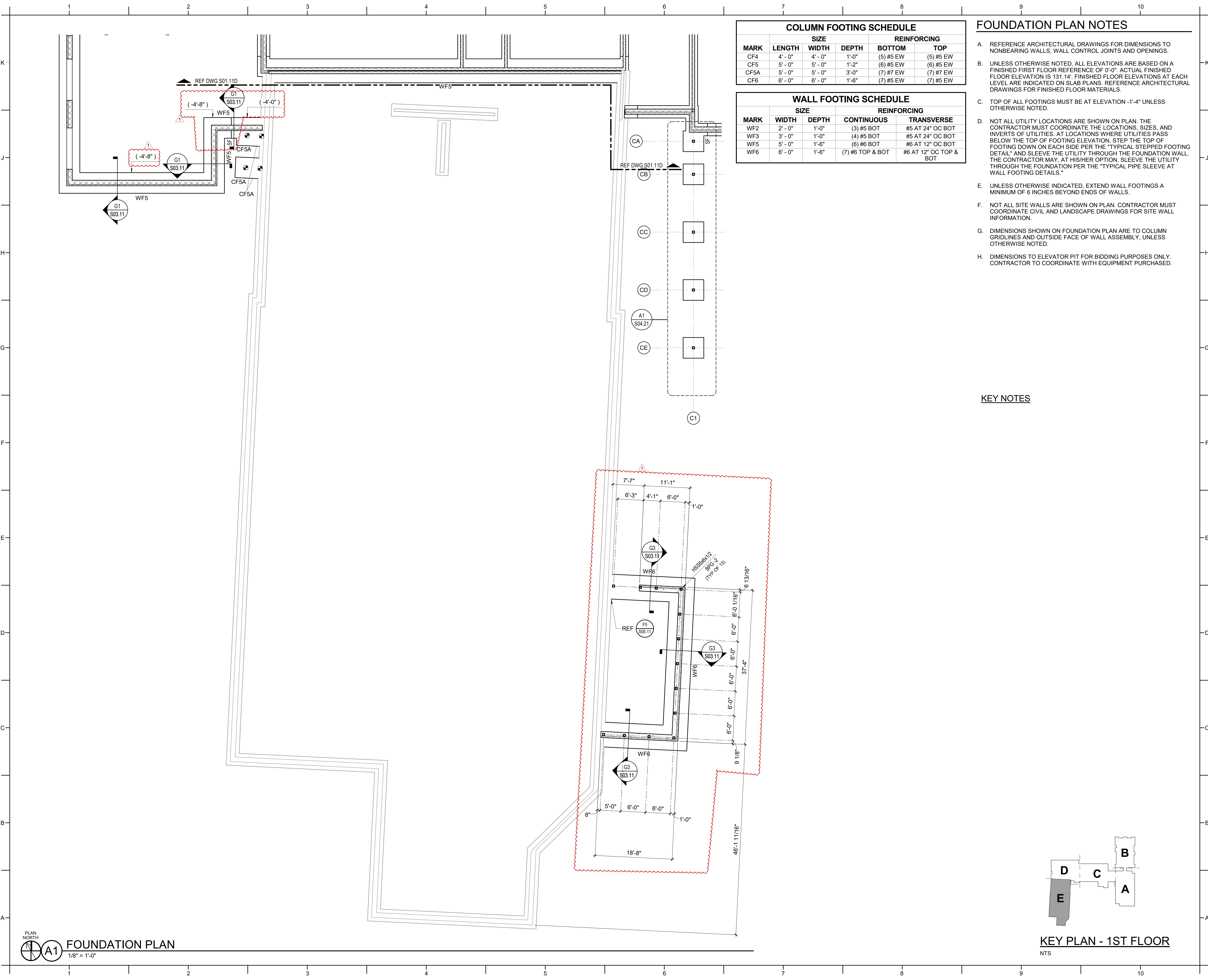


PLAN NORTH  
A1 FOUNDATION PLAN - AREA D  
1/8" = 1'-0"



KEY PLAN - 1ST FLOOR  
NTS



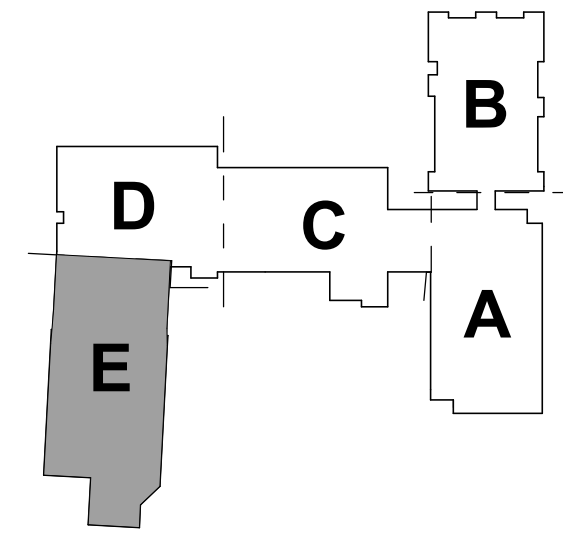


COLUMN FOOTING SCHEDULE					
MARK	SIZE			REINFORCING	
	LENGTH	WIDTH	DEPTH	BOTTOM	TOP
CF4	4' - 0"	4' - 0"	1'-0"	(5) #5 EW	(5) #5 EW
CF5	5' - 0"	5' - 0"	1'-2"	(6) #5 EW	(6) #5 EW
CF5A	5' - 0"	5' - 0"	3'-0"	(7) #7 EW	(7) #7 EW
CF6	6' - 0"	6' - 0"	1'-6"	(7) #5 EW	(7) #5 EW

WALL FOOTING SCHEDULE				
MARK	SIZE		REINFORCING	
	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE
WF2	2' - 0"	1'-0"	(3) #5 BOT	#5 AT 24" OC BOT
WF3	3' - 0"	1'-0"	(4) #5 BOT	#5 AT 24" OC BOT
WF5	5' - 0"	1'-6"	(6) #6 BOT	#6 AT 12" OC BOT
WF6	6' - 0"	1'-6"	(7) #6 TOP & BOT	#6 AT 12" OC TOP & BOT

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**KEY NOTES**



**KEY PLAN - 1ST FLOOR**  
NTS

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919.833.3737  
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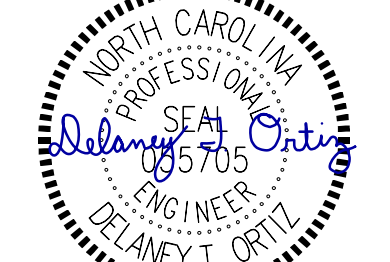
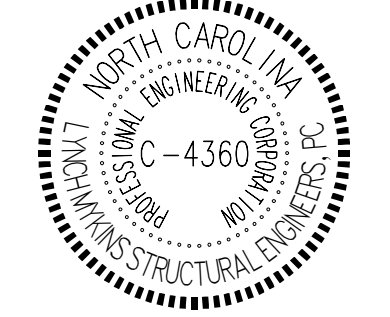
**PROJECT INFORMATION**

**lynchmykins**  
CADALINE COLLABORATIVE GROUP  
Structural Engineers  
301 N. West Street, Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LH Project Number: LM23.307

**ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS**

541 North Carolina 581 S. Goldsboro, NC 27530

**SEALS**



**DKA JOB NUMBER**  
2401

REVISIONS	
1	ADDENDUM #1 2/3/2025

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**SHEET TITLE**  
FOUNDATION PLAN - AREA E

**S01.11E**



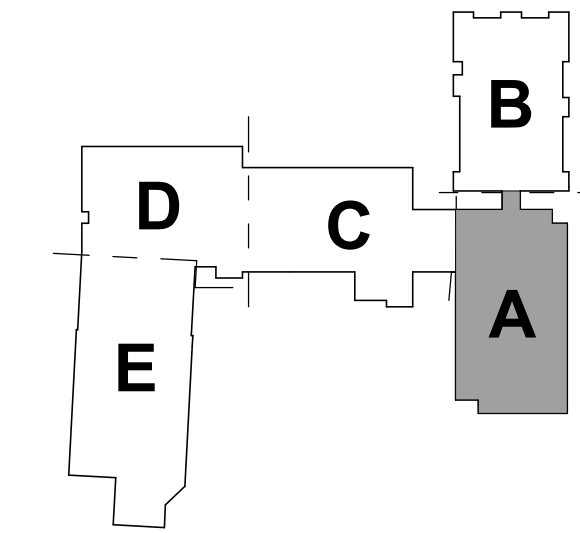


FRAMING PLAN NOTES

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- F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
- G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS MUST BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
- H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.

KEY NOTES

- 202 2 1/2" CONCRETE SLAB ON 1 1/2" FORM DECK, (4" TOTAL) REINFORCED WITH 6x6-W4.0xW4.0 WELDED WIRE REINFORCING LOCATED 3/4" CLEAR FROM THE TOP OF FLUTES.



KEY PLAN - 1ST FLOOR  
NTS



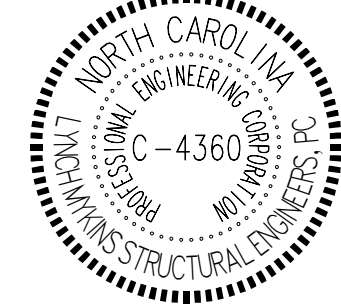
PROJECT INFORMATION

**lynchmykins**  
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Structural Engineers  
301 N. West Street, Suite 105  
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919.782.1833 - lynchmykins.com  
LM Project Number: LM23.307

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541 North Carolina 581 S. Goldsboro, NC 27530

SEALS



02/01/2025  
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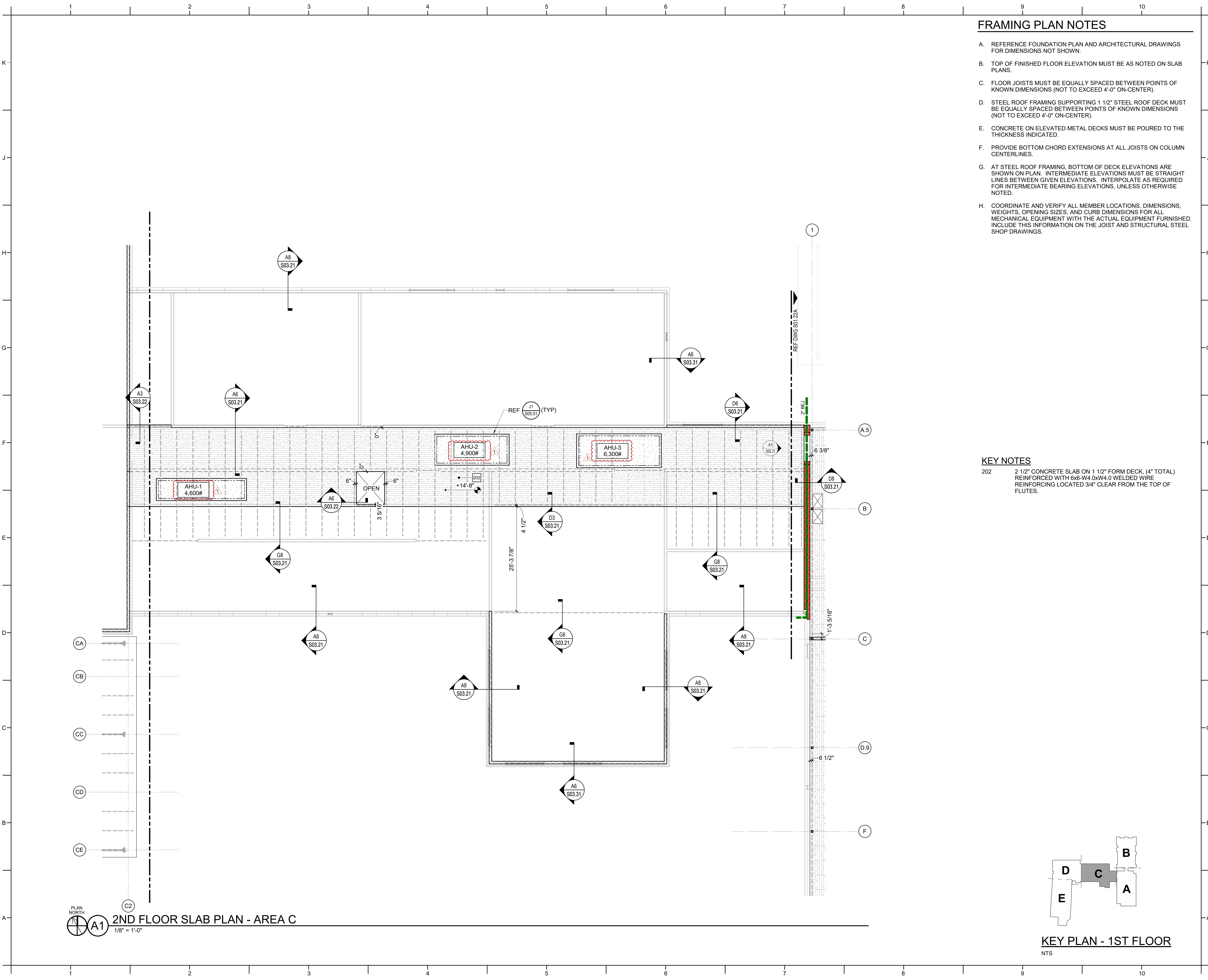
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SHEET TITLE  
2ND FLOOR SLAB  
PLAN - AREA A

S01.22A





FRAMING PLAN NOTES

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KEY NOTES

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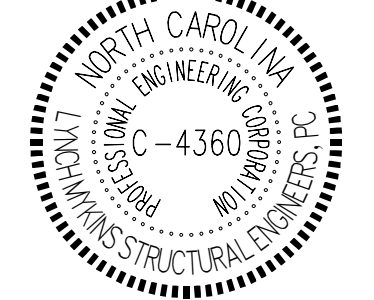
PROJECT INFORMATION

**lynchmykins**  
CADALINE COLLABORATIVE CREATIVE  
Structural Engineers  
301 N. West Street, Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LM23.307

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

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02/01/2025

DKA JOB NUMBER

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1	ADDENDUM #1	2/3/2025

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Drawn By: SSO  
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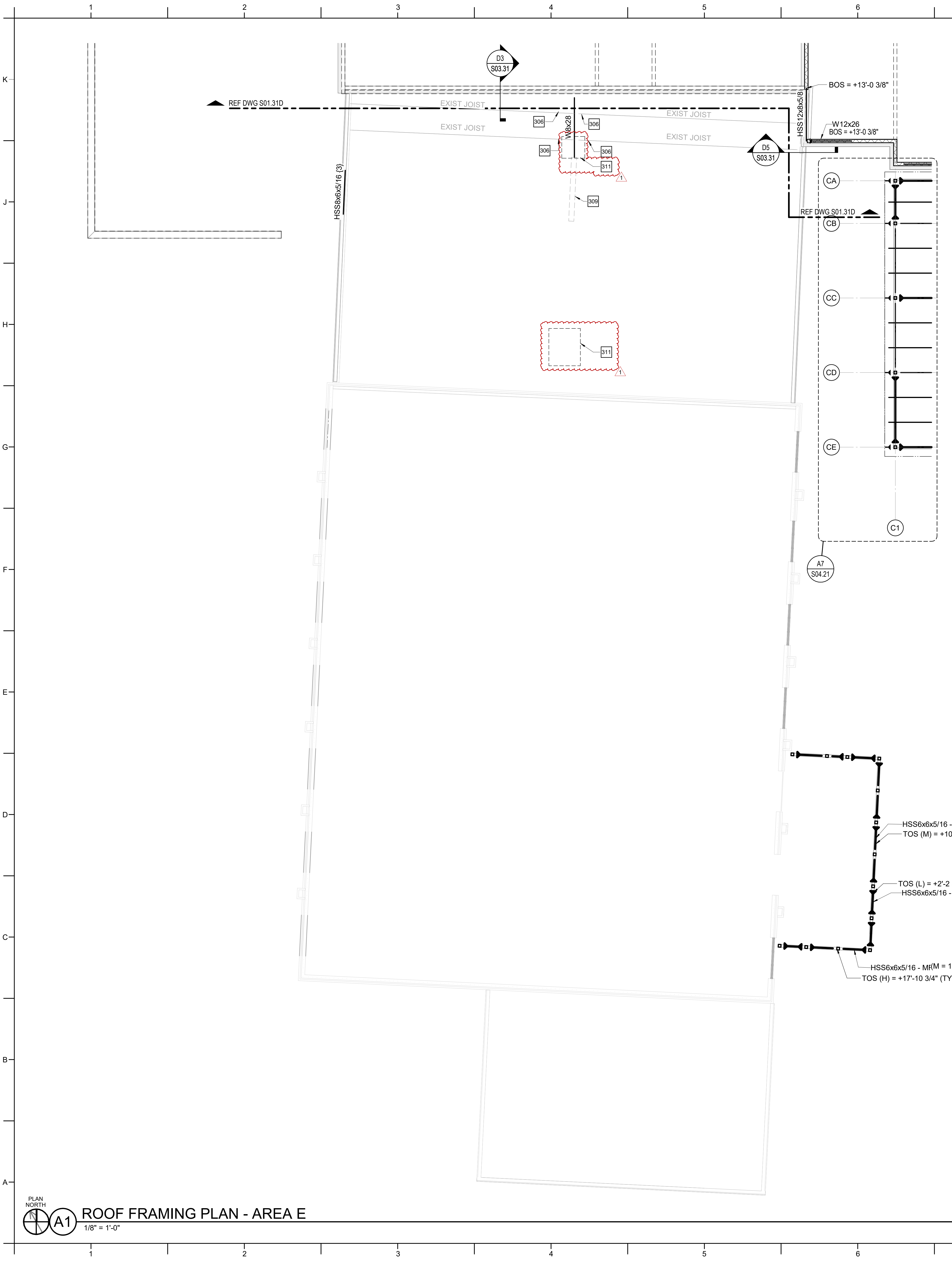
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01/10/2025

SHEET TITLE  
2ND FLOOR SLAB  
PLAN - AREA C

S01.22C





## FRAMING PLAN NOTES

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## KEY NOTES

- 306 PROVIDE TEMPORARY SHORING UNDER EXISTING JOIST CAPABLE OF SUPPORTING 7,000 LBS AT THIS LOCATION. SHORE JOIST FROM THE BOTTOM CHORD AT THE CLOSEST PANEL POINT TO THE JOIST SEAT.
- 309 EXISTING CMU WALL
- 311 LAP NEW METAL DECK 1'-0" IN ALL DIRECTIONS WITH EXISTING ROOF DECK. ATTACH TO OPENING SUPPORT STEEL PER THE STEEL DECK GENERAL NOTES.

PLAN NORTH

A1

1/8" = 1'-0"

ROOF FRAMING PLAN - AREA E

KEY PLAN - 1ST FLOOR

NTS

D

C

B

A

E

SEALS

NORTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
C-4360  
DAVID KANE  
10/15/2019

NORTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
C-4360  
DAVID KANE  
10/15/2019

DKA JOB NUMBER  
2401

REVISIONS

1	ADDENDUM #1	2/3/2025

DATE ISSUED

01/10/2025

SHEET TITLE

ROOF FRAMING PLAN - AREA E

S01.31E

PE: DTO

DE: LM

Drawn By: SSO

Plot Date: 1/29/2025 5:47:53 PM

BID DOCUMENTS

01/10/2025

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dk

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PROJECT INFORMATION

lynchmykins

Structural Engineers  
301 N. West Street, Suite 105  
Raleigh, NC 27603  
919.782.1833 - lynchmykins.com  
LM Project Number: LM23.307

## ROSEWOOD MIDDLE SCHOOL ADDITION AND RENOVATION WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530









DAVIS KANE  
ARCHITECTS, P.A.

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919.833.3737  
www.davis-kane.com

PROJECT INFORMATION

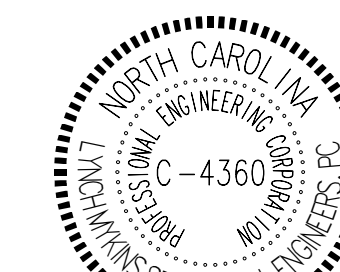


Structural Engineers  
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Raleigh, NC 27603  
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LM Project Number: LM23.307

ROSEWOOD MIDDLE SCHOOL  
ADDITION AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

SEALS



02/01/2025

DKA JOB NUMBER

2401

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2/3/2025

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PE: DTO  
DE: LM  
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Plot Date: 1/29/2025 5:47:56 PM

DATE ISSUED

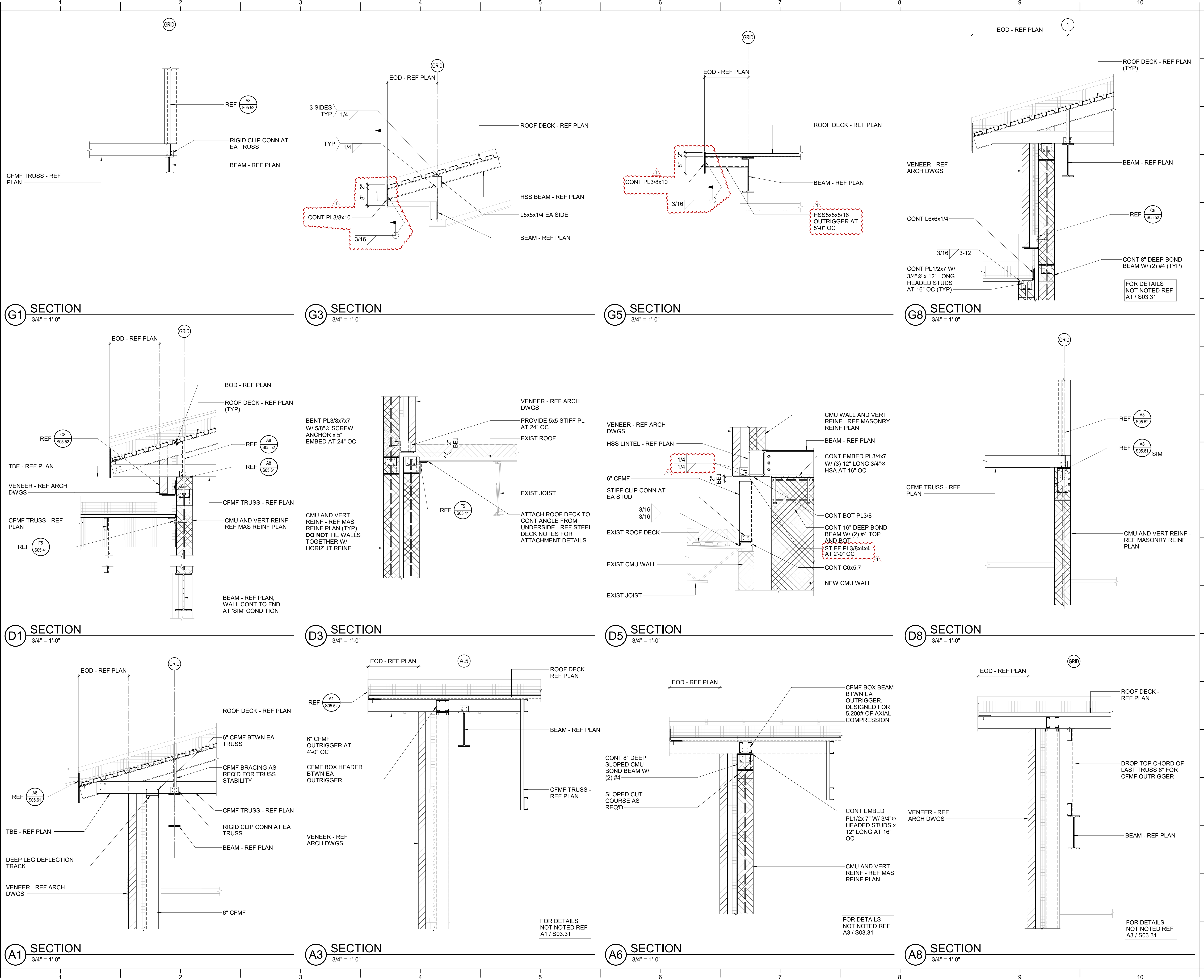
BID DOCUMENTS

01/10/2025

SHEET TITLE

FRAMING SECTIONS

S03.31





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B  
A

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

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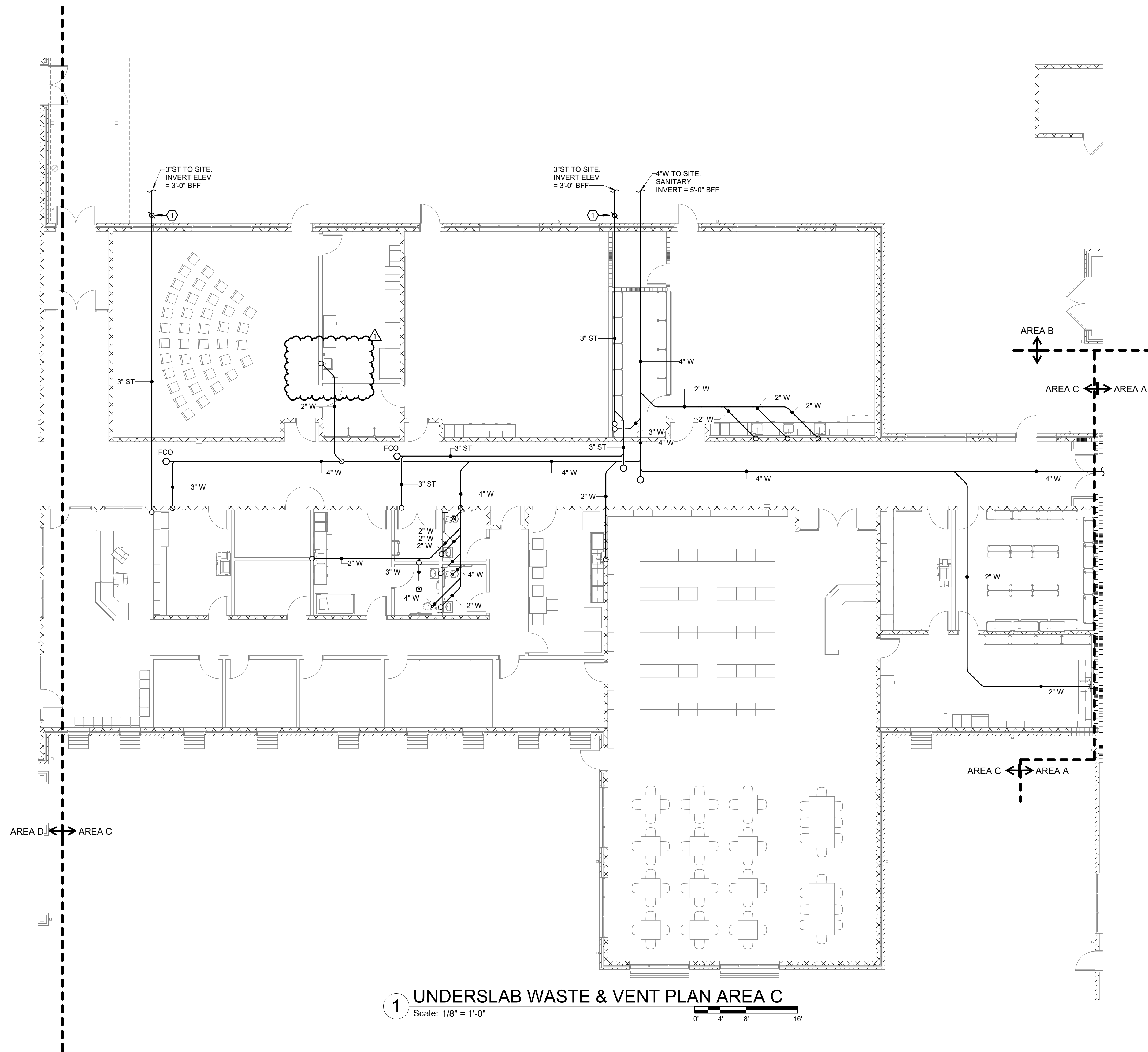
6

7

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9

10



1 UNDERSLAB WASTE & VENT PLAN AREA C  
Scale: 1/8" = 1'-0"

0' 4' 8' 16'

## GENERAL NOTES:

- REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES.

## KEYNOTES:

- PROVIDE HORIZONTAL INLINE BACKWATER VALVE: ZURN MODEL NO. Z1095-BV OR APPROVED EQUIVALENT. PROVIDE WITH CAST IRON PIPE EXTENSION TO GRADE AND GCO FOR ACCESS AT GRADE.



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Raleigh, NC 27601-3073  
919.833.3373  
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## PROJECT INFORMATION

# ROSEWOOD MIDDLE SCHOOL ADDITION AND RENOVATION WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

## SEALS



DKA JOB NUMBER  
2401

DEWBERRY NUMBER  
50171439

## REVISIONS

1 Addendum #1 02/03/2025

NO.	DESCRIPTION	DATE

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Drawn By: TNASAT/CPH  
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## DATE ISSUED

BID DOCUMENTS  
01/10/2025

## SHEET TITLE

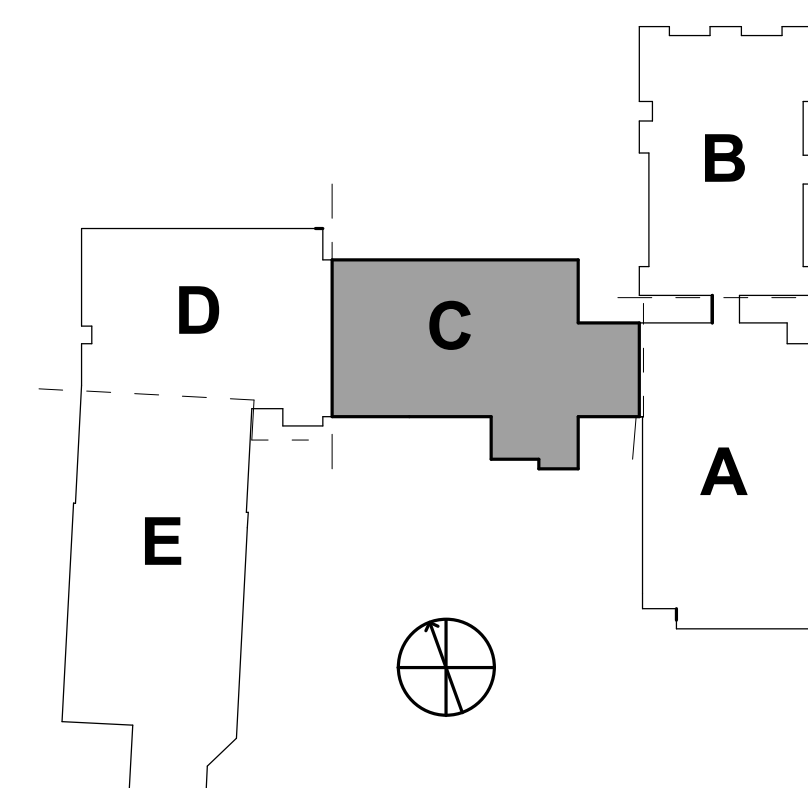
UNDERSLAB WASTE  
& VENT PLAN AREA  
C

P01.03

## WALL RATING LEGEND:

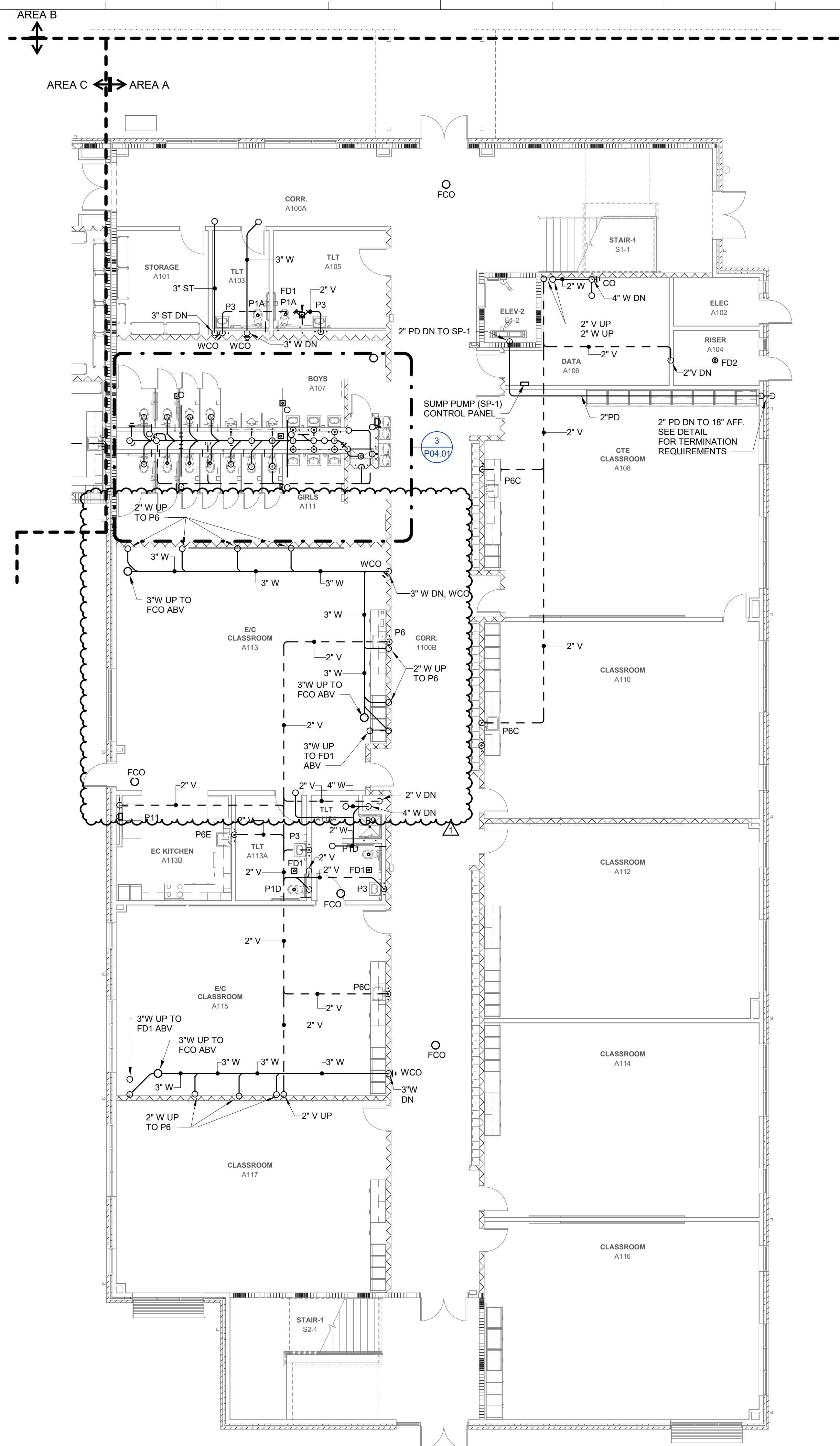
	1-HR RATED FIRE BARRIER
	2-HR RATED FIRE WALL
	2-HR RATED FIRE BARRIER

## KEYPLAN:





K  
J  
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E  
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C  
B  
A



1 FIRST FLOOR WASTE & VENT PLAN AREA A  
Scale: 1/8" = 1'-0"

0' 4' 8' 16'

## GENERAL NOTES:

- REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES.

## KEYNOTES:



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## PROJECT INFORMATION

# ROSEWOOD MIDDLE SCHOOL ADDITION AND RENOVATION WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

## SEALS



DKA JOB NUMBER  
2401

DEWBERRY NUMBER  
50171439

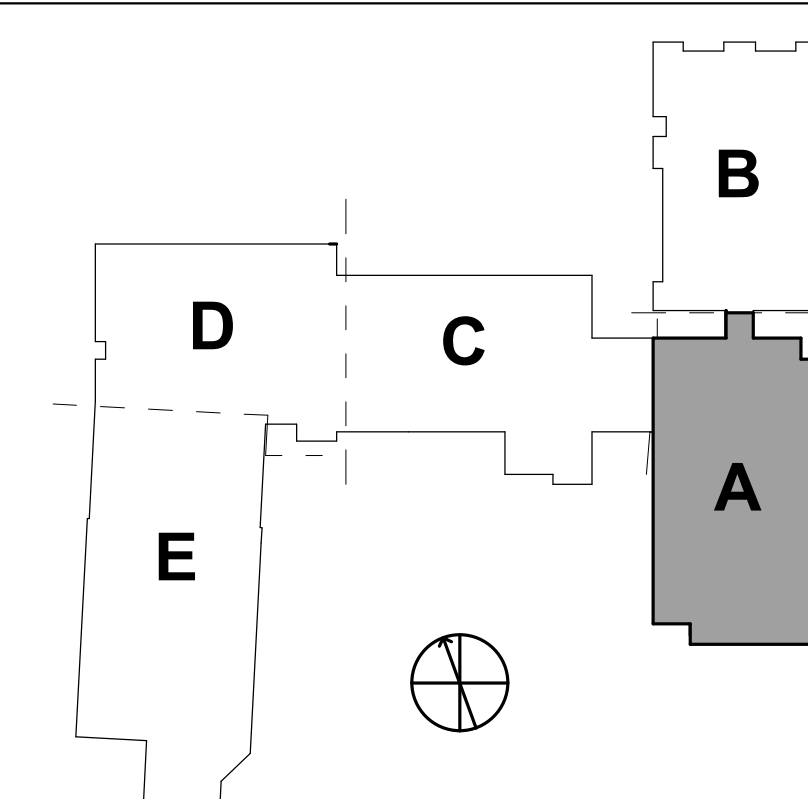
REVISIONS

1 Addendum #1 02/03/2025

## WALL RATING LEGEND:

- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

## KEYPLAN:



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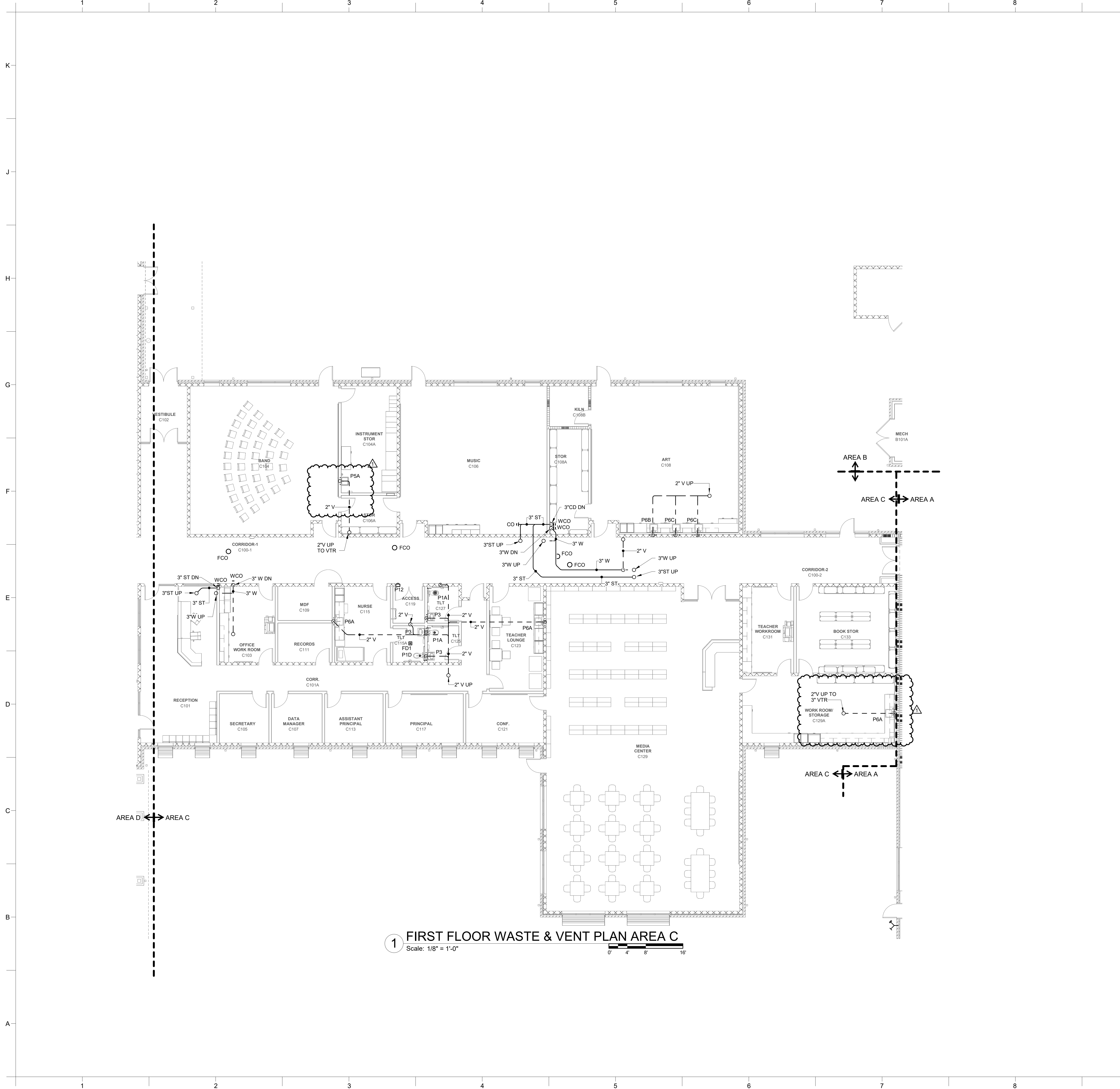
DATE ISSUED

BID DOCUMENTS  
01/10/2025

SHEET TITLE  
FIRST FLOOR WASTE & VENT PLAN AREA A

P01.11





**GENERAL NOTES:**

1. REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES.

**KEYNOTES:**

**PROJECT INFORMATION**

**ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS**

541 North Carolina 581 S. Goldsboro, NC 27530

**SEALS**

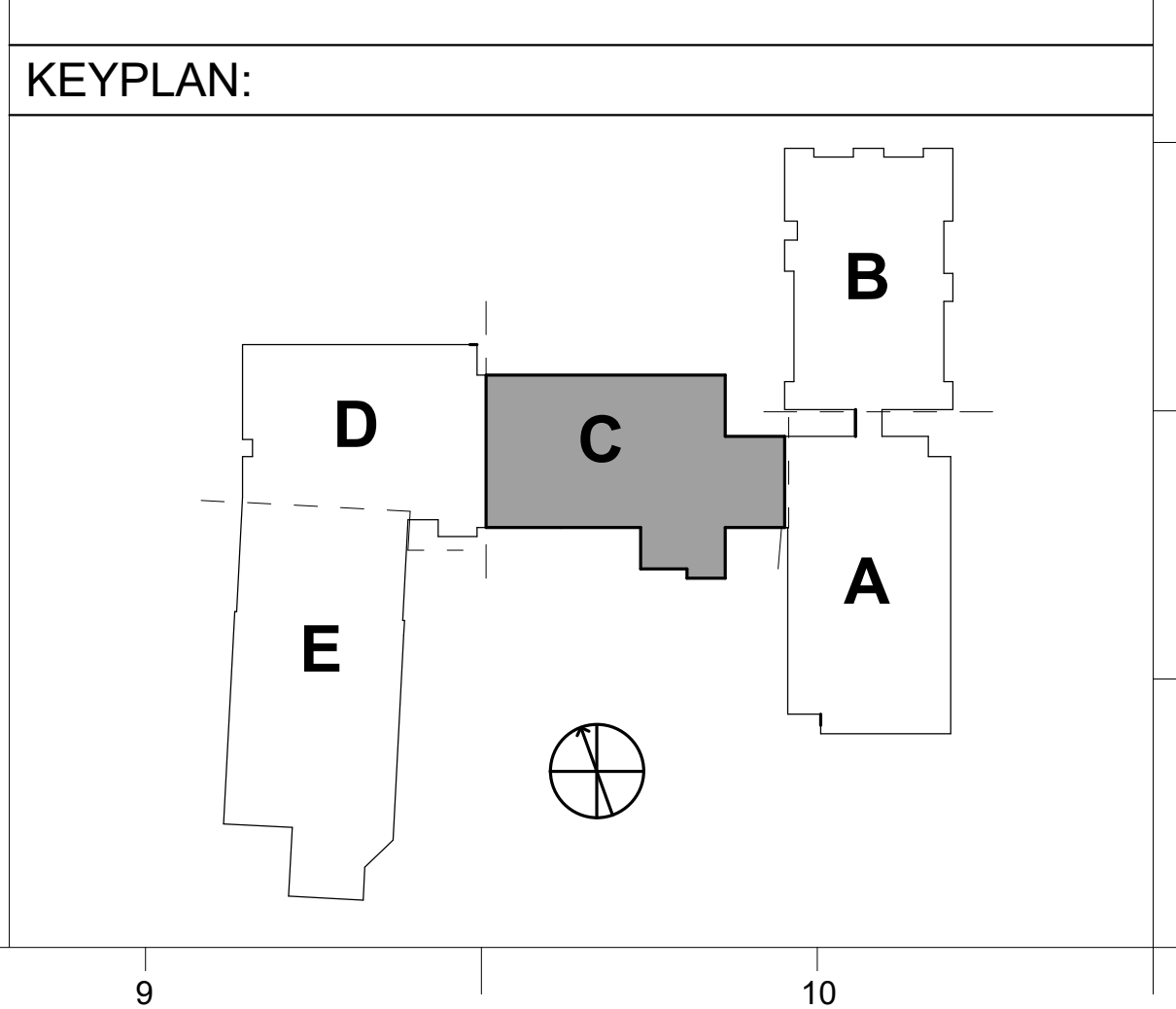
Professional Engineer Seal for Robert Stevenson, License No. 23877, State of North Carolina, dated 2/3/2025.

**DKA JOB NUMBER**  
2401

**DEWBERRY NUMBER**  
50171439

**WALL RATING LEGEND:**

[Pattern]	1-HR RATED FIRE BARRIER
[Pattern]	2-HR RATED FIRE WALL
[Pattern]	2-HR RATED FIRE BARRIER



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**PROJECT INFORMATION**

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**REVISIONS**

1	Addendum #1	02/03/2025

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**DATE ISSUED**  
01/10/2025

**BID DOCUMENTS**

**SHEET TITLE**  
FIRST FLOOR WASTE & VENT PLAN AREA C

**P01.13**



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## GENERAL NOTES:

1. REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES.

## KEYNOTES:



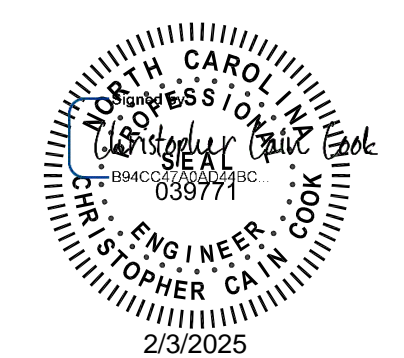
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Raleigh, NC 27601-3071  
P.O. Box 2002  
NC License No. P-0028

## PROJECT INFORMATION

# ROSEWOOD MIDDLE SCHOOL ADDITION AND RENOVATION WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

## SEALS



## DKA JOB NUMBER

2401

## DEWBERRY NUMBER

50171439

## REVISIONS

1 Addendum #1 02/03/2025

NO.	DESCRIPTION	DATE

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Drawn By: TNA/SAT/CPH  
Plot Date: 1/30/2025 8:07:00 AM

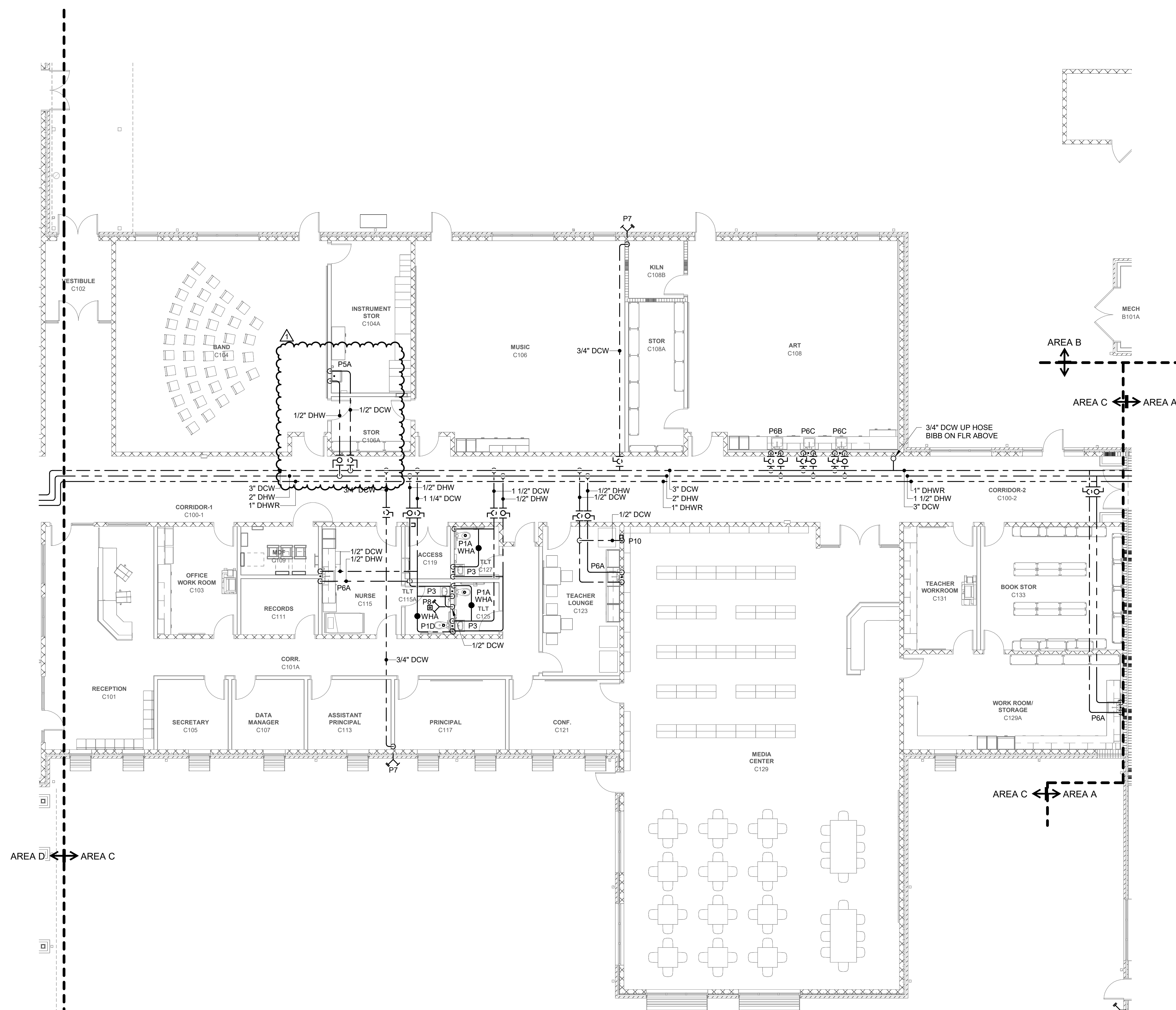
## DATE ISSUED

BID DOCUMENTS  
01/10/2025

## SHEET TITLE

FIRST FLOOR  
DOMESTIC WATER  
PLAN AREA C

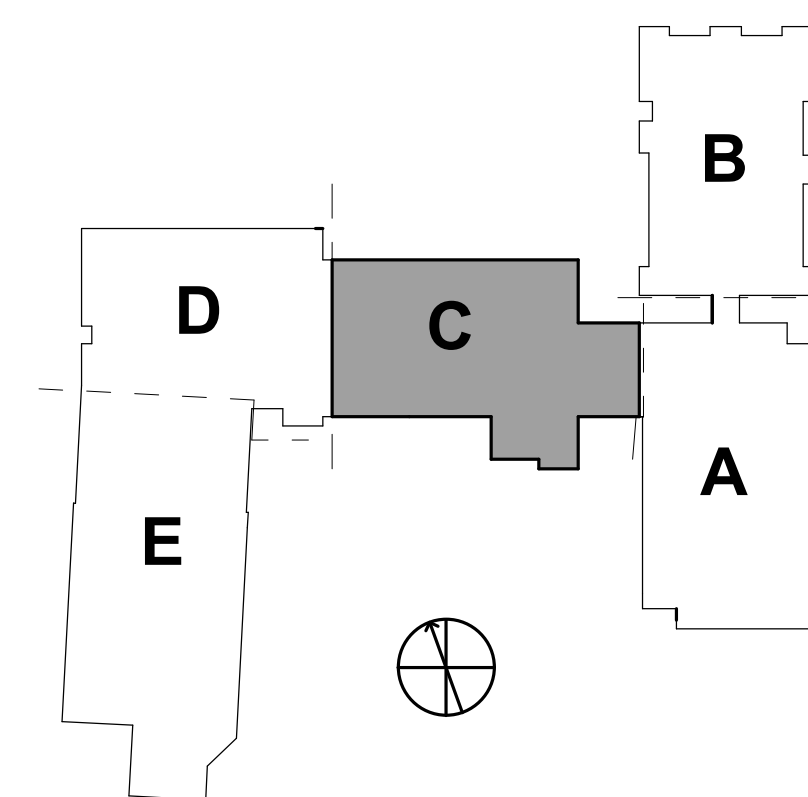
P01.23



1 FIRST FLOOR DOMESTIC WATER PLAN AREA C  
Scale: 1/8" = 1'-0"

0' 4' 8' 16'

## KEYPLAN:





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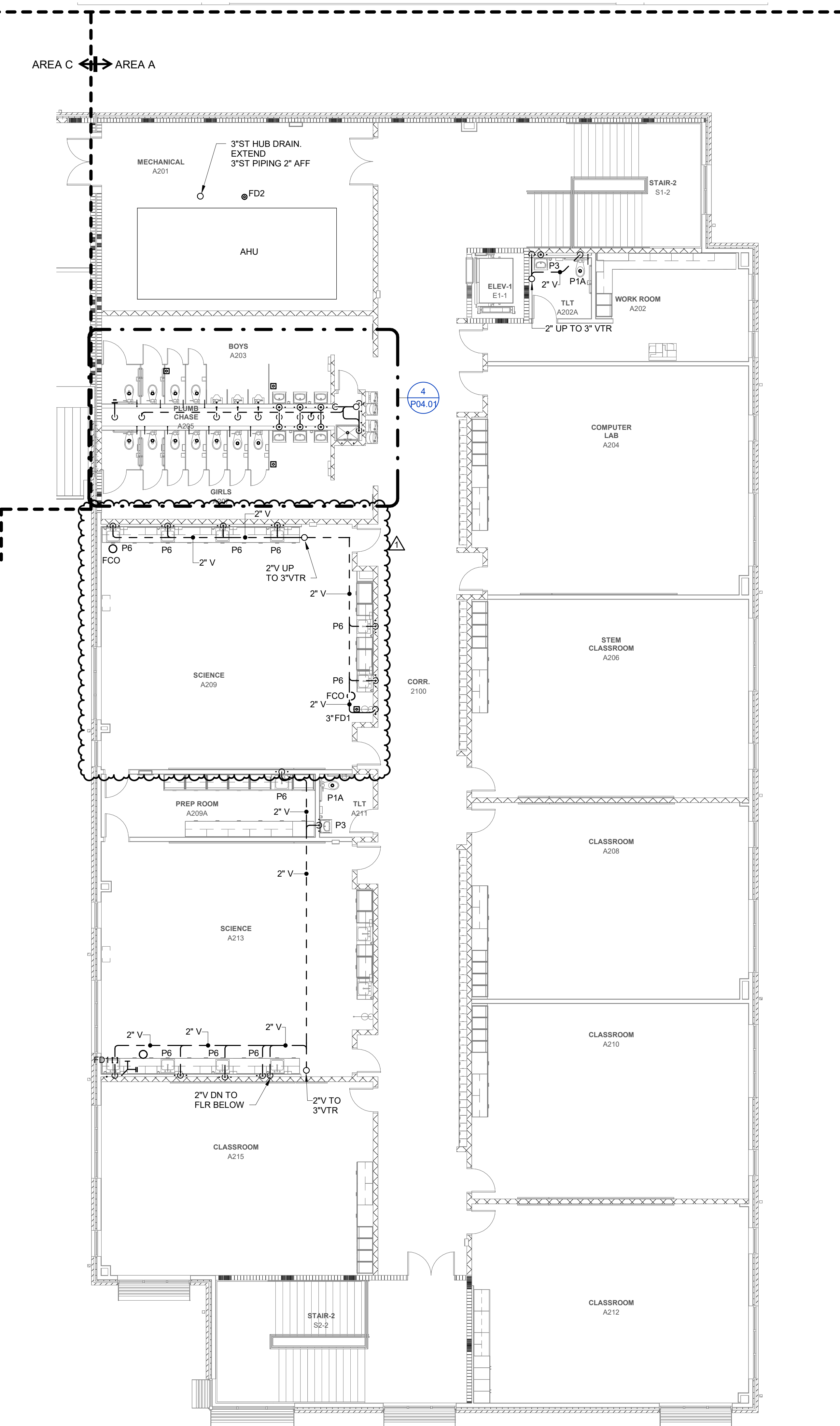
6

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1 SECOND FLOOR WASTE & VENT PLAN AREA A  
Scale: 1/8" = 1'-0"



GENERAL NOTES:

1. REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES.

KEYNOTES:

**dk**  
**DAVIS KANE**  
ARCHITECTS, P.A.  
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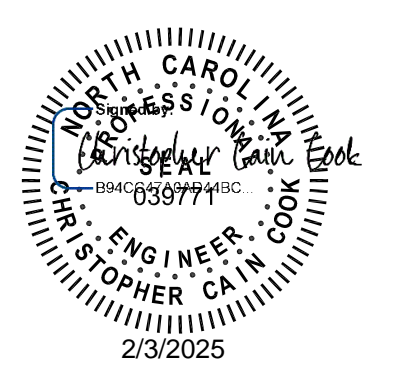
**PROJECT INFORMATION**  
**Dewberry**  
Dewberry Engineers Inc.  
200 South Main  
Raleigh, NC 27601-3071  
919.833.3737  
NC License No. P-4028

PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

SEALS



DKA JOB NUMBER  
2401

DEWBERRY NUMBER  
50171439

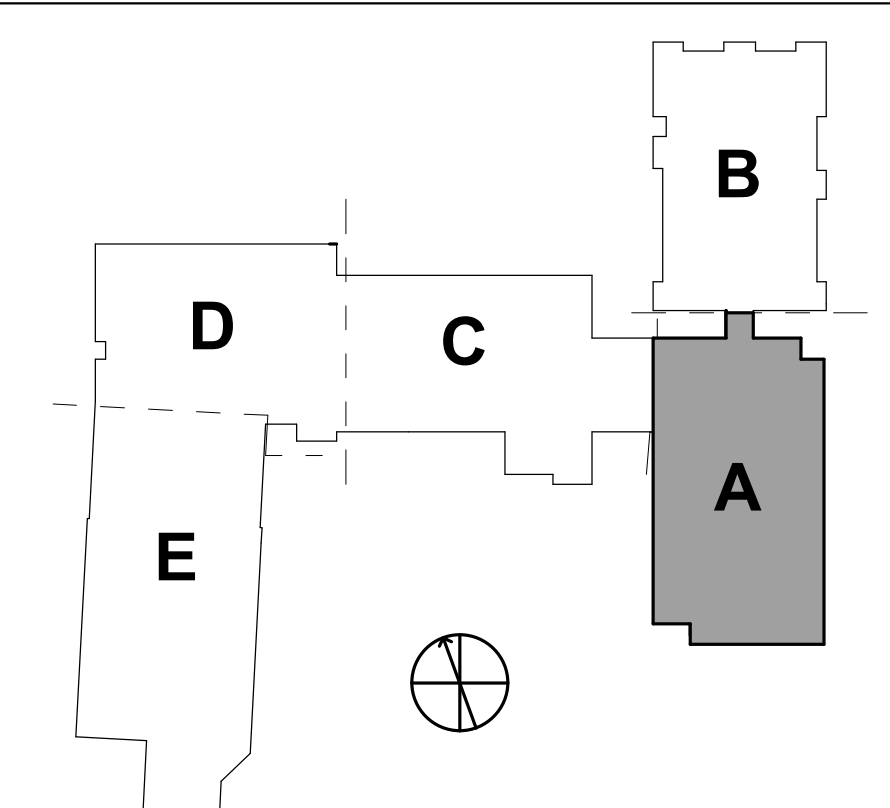
REVISIONS

- | NO. | DESCRIPTION | DATE       |
|-----|-------------|------------|
| 1   | Addendum #1 | 02/03/2025 |

WALL RATING LEGEND:

- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

KEYPLAN:



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Plot Date: 1/29/2025 12:02:12 PM

DATE ISSUED

BID DOCUMENTS  
01/10/2025

SHEET TITLE

SECOND FLOOR  
WASTE & VENT PLAN  
AREA A

P02.11



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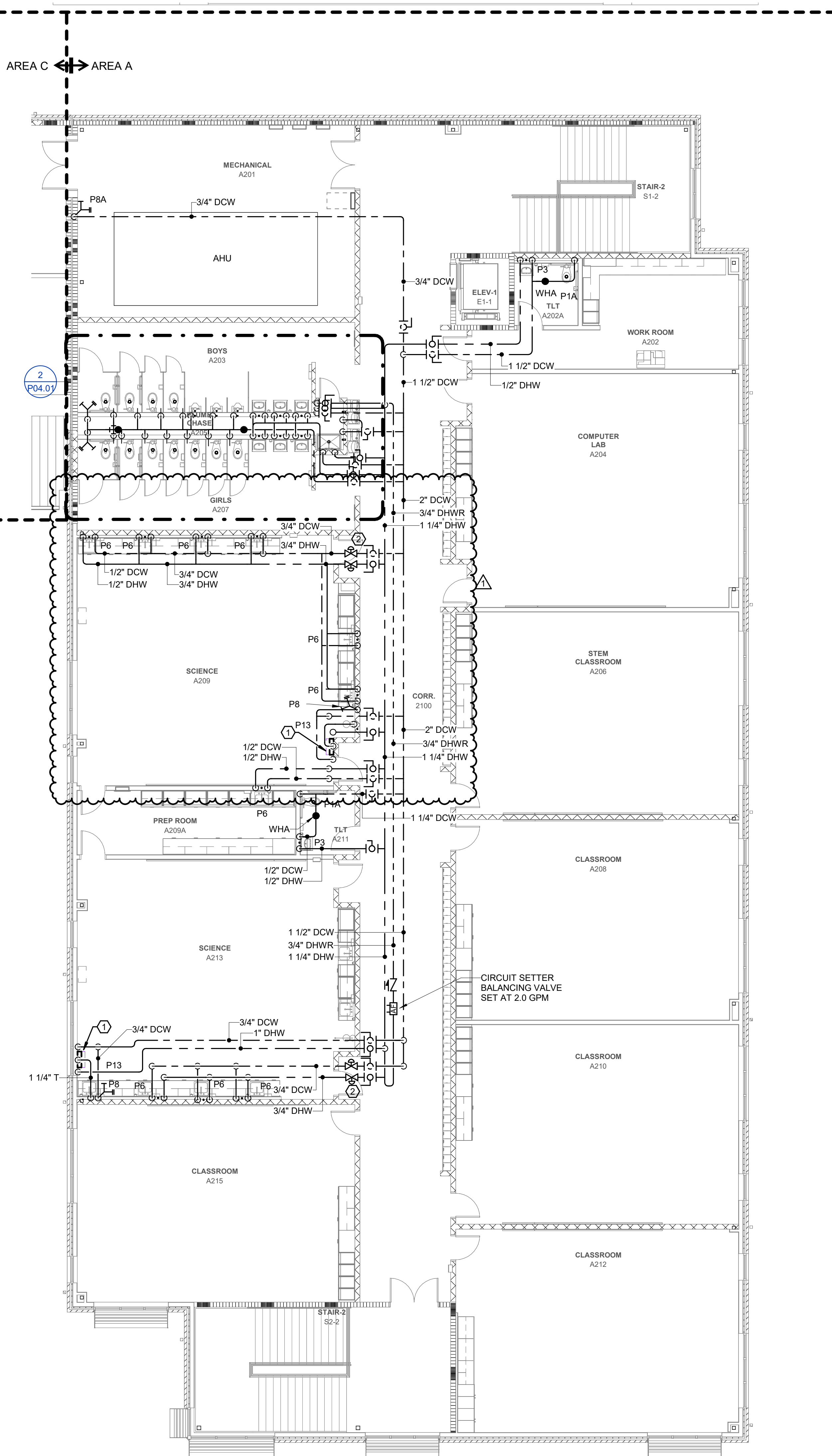
6

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**1 SECOND FLOOR DOMESTIC WATER PLAN AREA A**  
Scale: 1/8" = 1'-0"

0' 4' 8' 16'

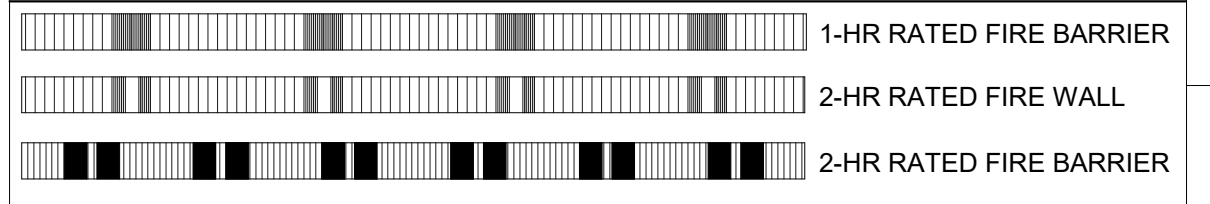
**GENERAL NOTES:**

1. REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES.

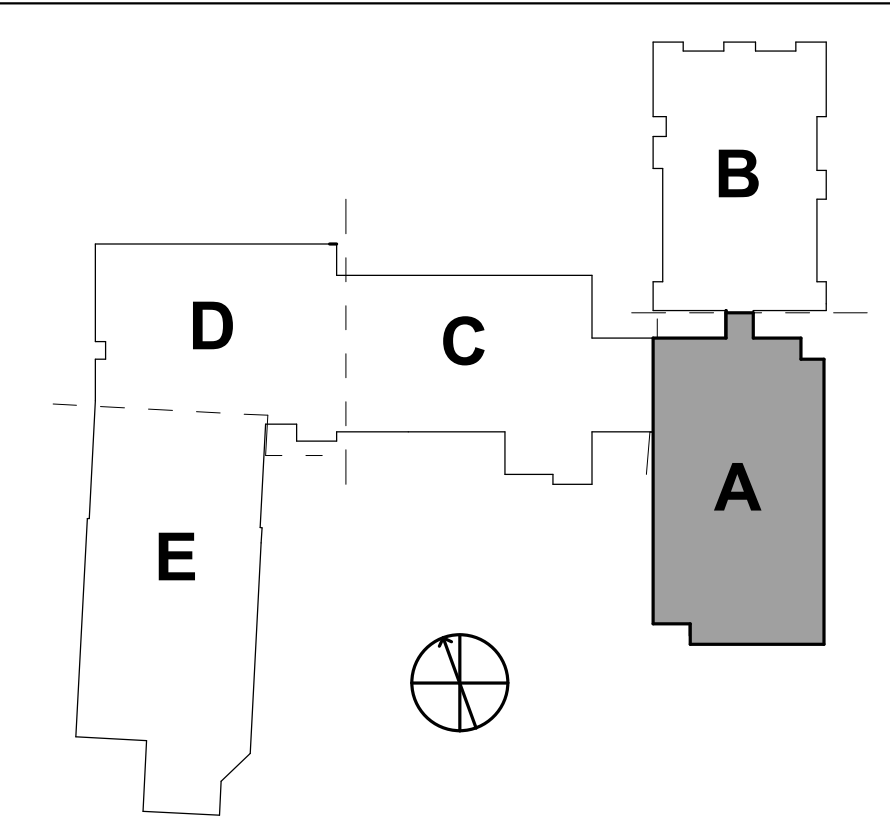
**KEYNOTES:**

1. PROVIDE THERMOSTATIC MIXING VALVE FOR EMERGENCY SHOWER UNIT ABOVE CEILING. SET MAX. TEMPERATURE TO 85 DEG F.
2. SOLENOID VALVES FOR DCW AND DHW SUPPLIES TO SCIENCE CLASSROOMS FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR.

**WALL RATING LEGEND:**



**KEYPLAN:**



**dk**  
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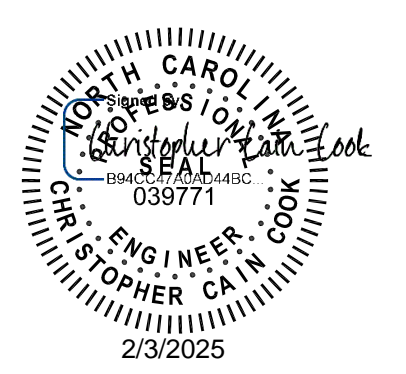
**PROJECT INFORMATION**  
**Dewberry**  
Dewberry Engineers Inc.  
200 South Main  
Raleigh, NC 27601-3071  
919.833.3737  
NC License No. P-0028

**PROJECT INFORMATION**

**ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS**

541 North Carolina 581 S. Goldsboro, NC 27530

**SEALS**



**DKA JOB NUMBER**  
2401

**DEWBERRY NUMBER**  
50171439

**REVISIONS**

1 Addendum #1 02/03/2025

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PM: BK  
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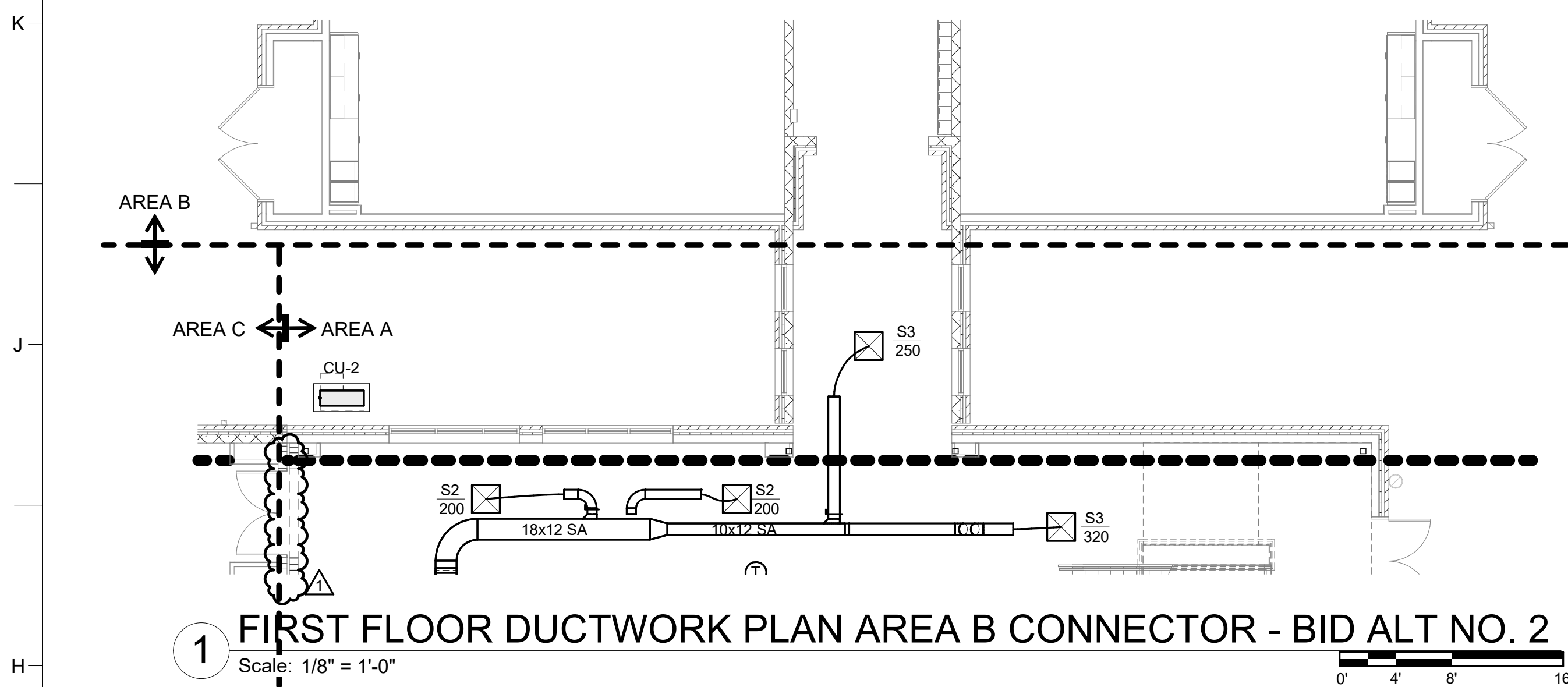
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**BID DOCUMENTS**  
01/10/2025

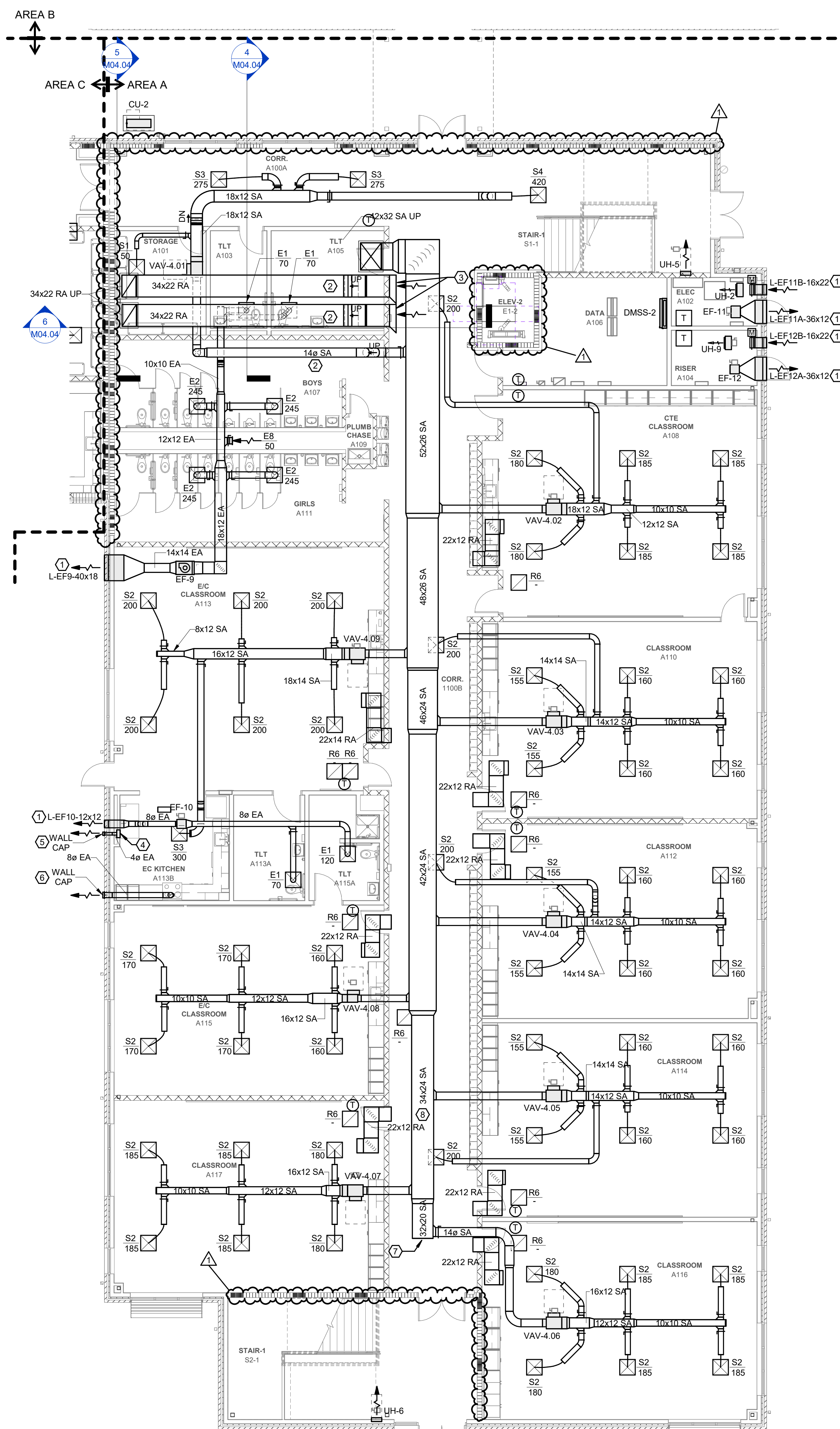
**SHEET TITLE**  
SECOND FLOOR  
DOMESTIC WATER  
PLAN AREA A

**P02.21**





2 FIRST FLOOR DUCTWORK PLAN AREA A - BID ALT NO. 1  
Scale: 1/8" = 1'-0"



3 FIRST FLOOR DUCTWORK PLAN AREA A  
Scale: 1/8" = 1'-0"

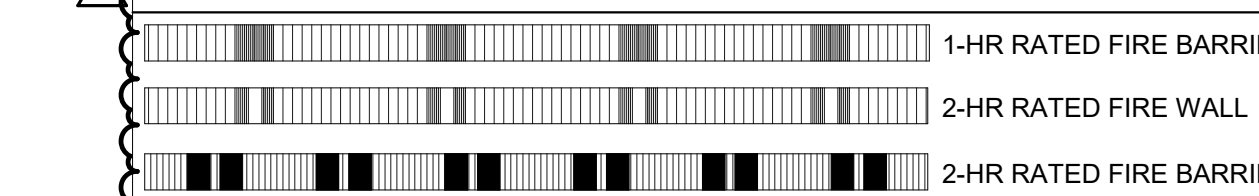
### GENERAL NOTES:

- SEE SHEET M01.01 FOR LEGEND AND GENERAL MECHANICAL PROJECT NOTES.
- REFER TO MECHANICAL PIPING PLANS FOR THERMOSTAT ASSIGNMENTS.
- TAB CONTRACTOR SHALL BALANCE DEVICES TO AIRFLOWS INDICATED.

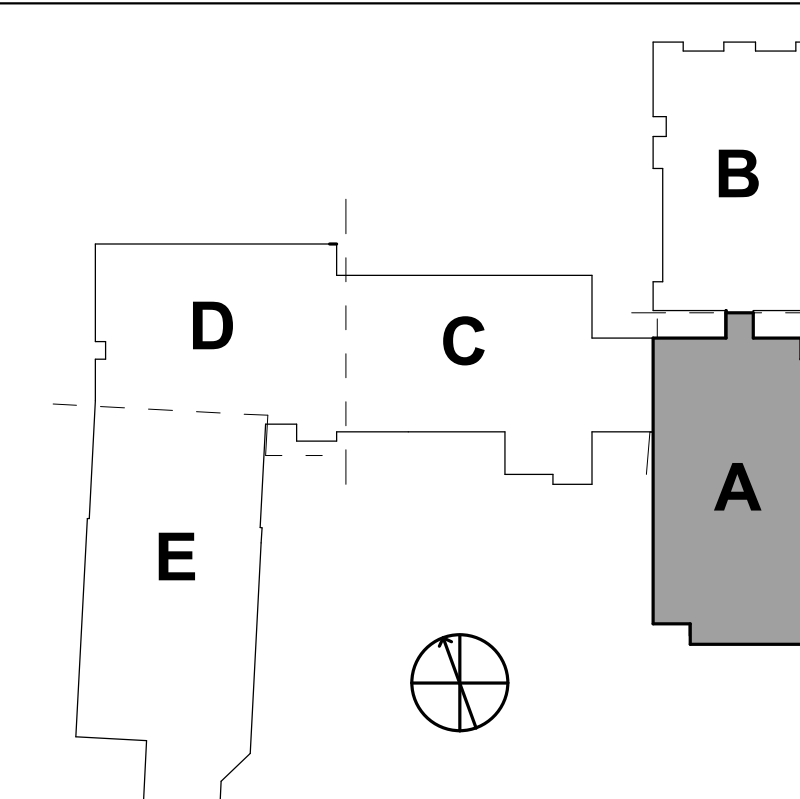
### KEYNOTES:

- LOUVER SIZE SHOWN IS MINIMUM REQUIRED FOR HVAC DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOUVER SIZE & LOCATION.
- ROUTE DUCT HIGH IN JOIST BAY.
- 34X22 RA DUCT FLARED OUT TO 44X34 FOR PLENUM RETURN INLET.
- PROVIDE DRYER VENT CONNECTION WALL BOX BEHIND DRYER. MAKE FINAL CONNECTION BETWEEN WALL BOX AND OWNER'S DRYER WITH 40" ALUMINUM FLEX DUCT.
- PROVIDE 40" WALL CAP WITH FLAPPER-TYPE BACKDRAFT DAMPER, APPROVED FOR CLOTHES DRYER EXHAUST SERVICE. PAINT TO MATCH BUILDING EXTERIOR.
- PROVIDE 80" EA WALL CAP WITH FLAPPER-TYPE BACKDRAFT DAMPER, PAINT TO MATCH BUILDING EXTERIOR. PROVIDE TRANSITION TO EQUIPMENT SIZE AT HOOD.
- POINT OF DEMARK BETWEEN BASE BID AND BID ALT.1 CAP END OF DUCT IF BID ALT.1 NOT CONSTRUCTED
- AIR HANDLING UNIT SA DUCT STATIC PRESSURE SENSOR.

### WALL RATING LEGEND:



### KEYPLAN:



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### PROJECT INFORMATION



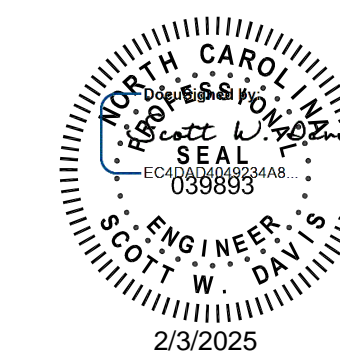
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### PROJECT INFORMATION

## ROSEWOOD MIDDLE SCHOOL ADDITION AND RENOVATION WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

### SEALS



### DKA JOB NUMBER

2401

### DEWBERRY NUMBER

50171439

### REVISIONS

1 Addendum #1 02/03/2025

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Drawn By: SMF  
Plot Date: 1/30/2025 1:42:49 PM

### DATE ISSUED

BID DOCUMENTS  
01/10/2025

### SHEET TITLE

FIRST FLOOR  
DUCTWORK PLAN  
AREA A

M01.01



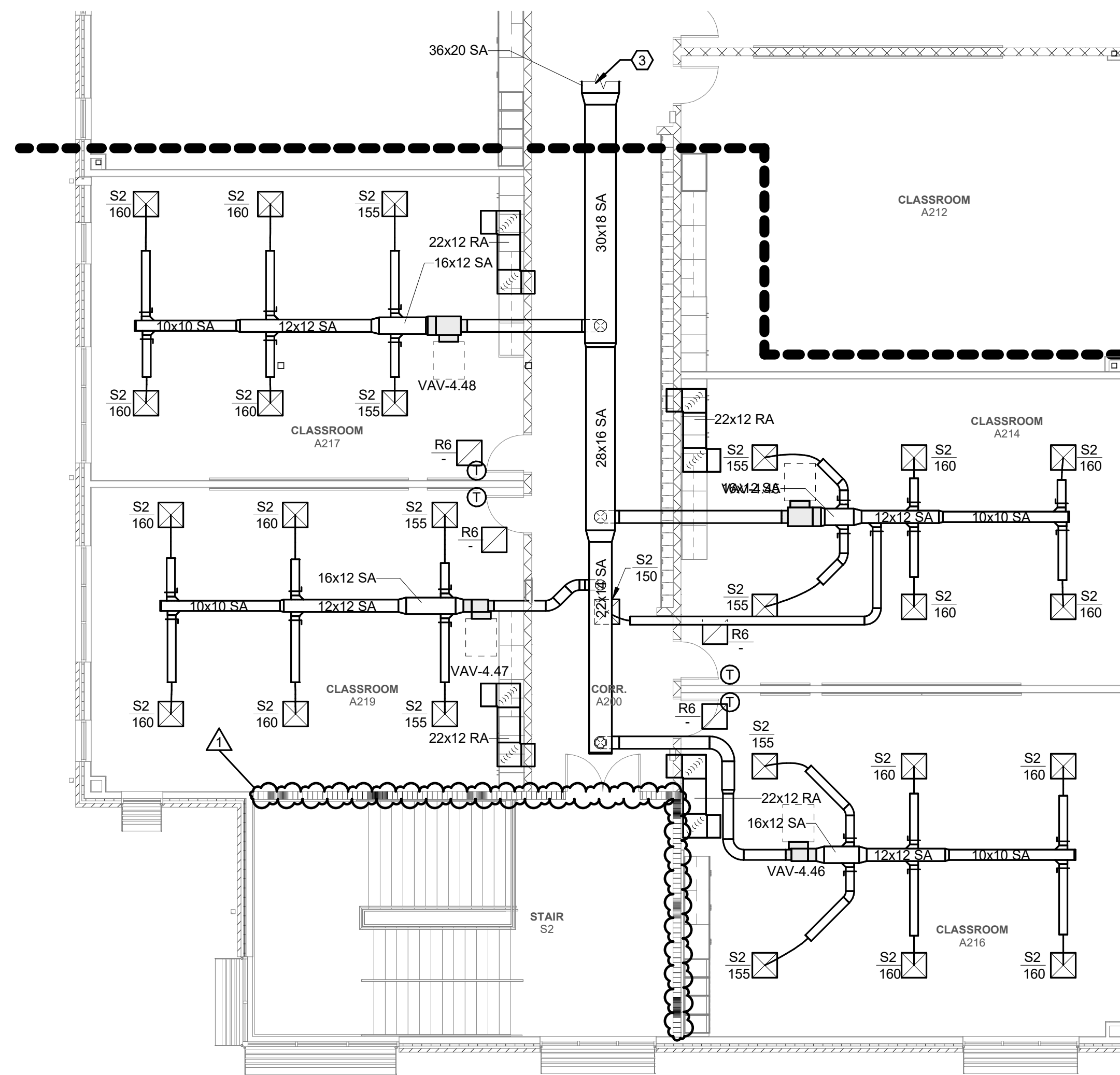




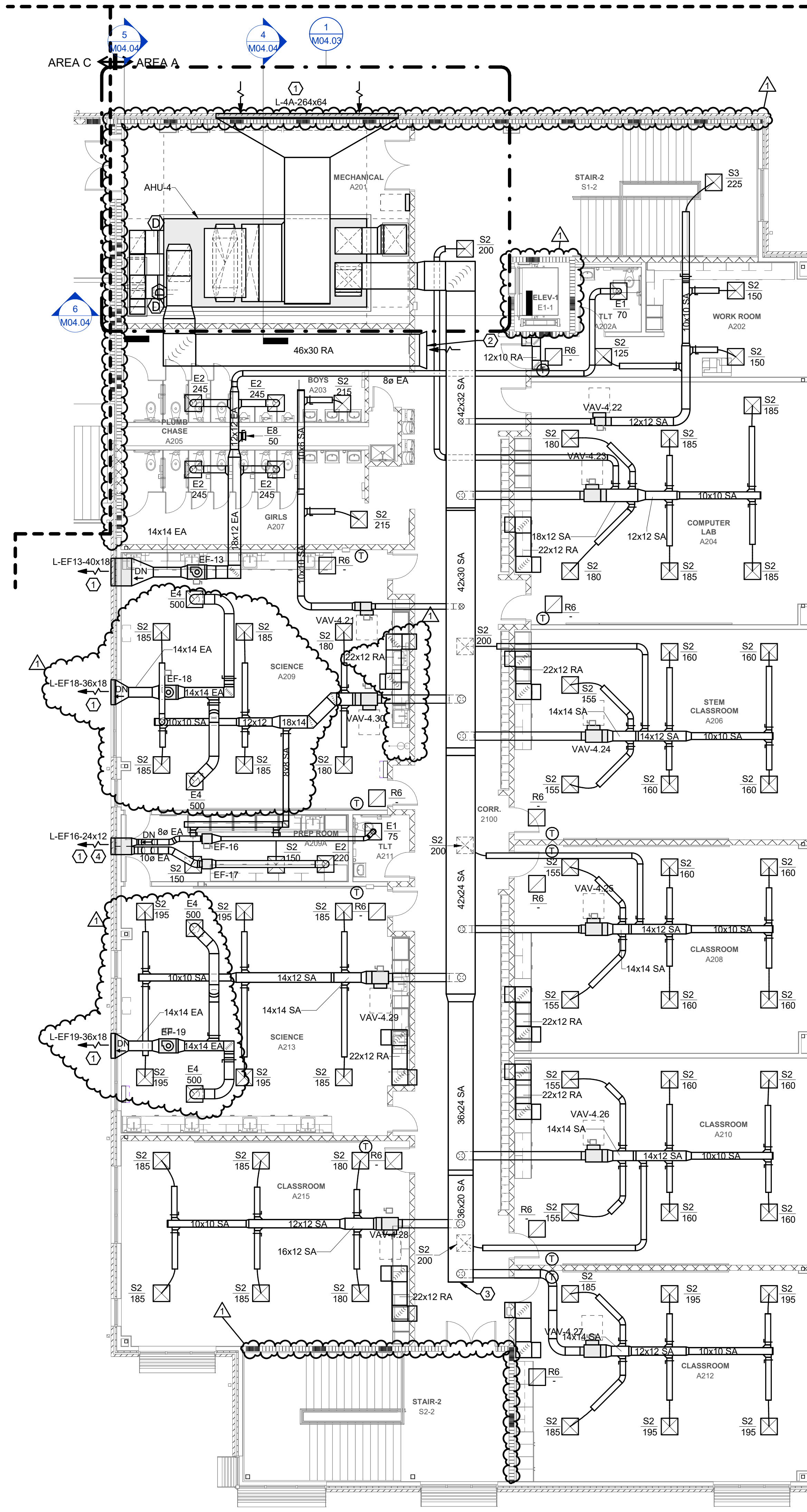
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1 SECOND FLOOR DUCTWORK PLAN AREA A - BID ALT. NO. 1  
Scale: 1/8" = 1'-0"



2 SECOND FLOOR DUCTWORK PLAN AREA A  
Scale: 1/8" = 1'-0"



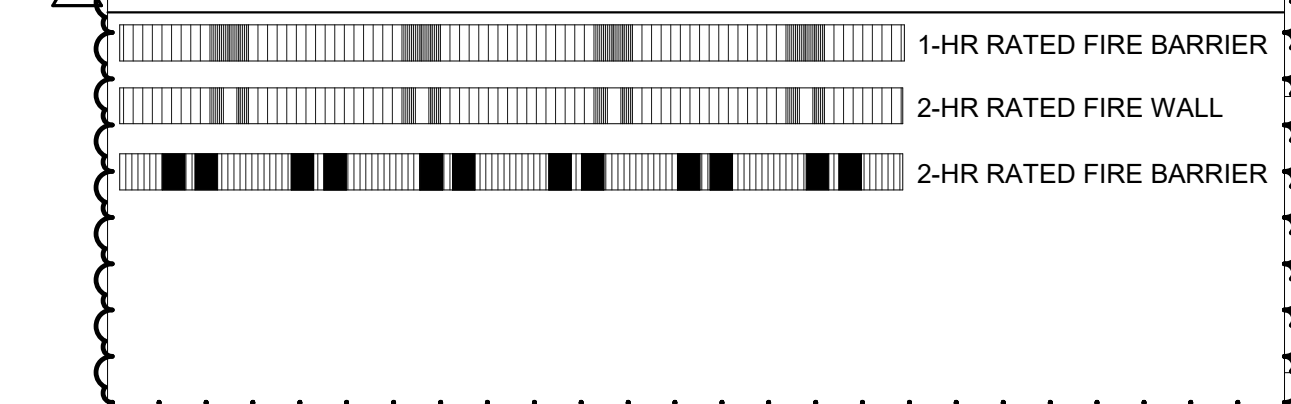
GENERAL NOTES:

- SEE SHEET M02.01 FOR LEGEND AND GENERAL MECHANICAL PROJECT NOTES.
- REFER TO MECHANICAL PIPING PLANS FOR THERMOSTAT ASSIGNMENTS.
- TAB CONTRACTOR SHALL BALANCE DEVICES TO AIRFLOWS INDICATED.

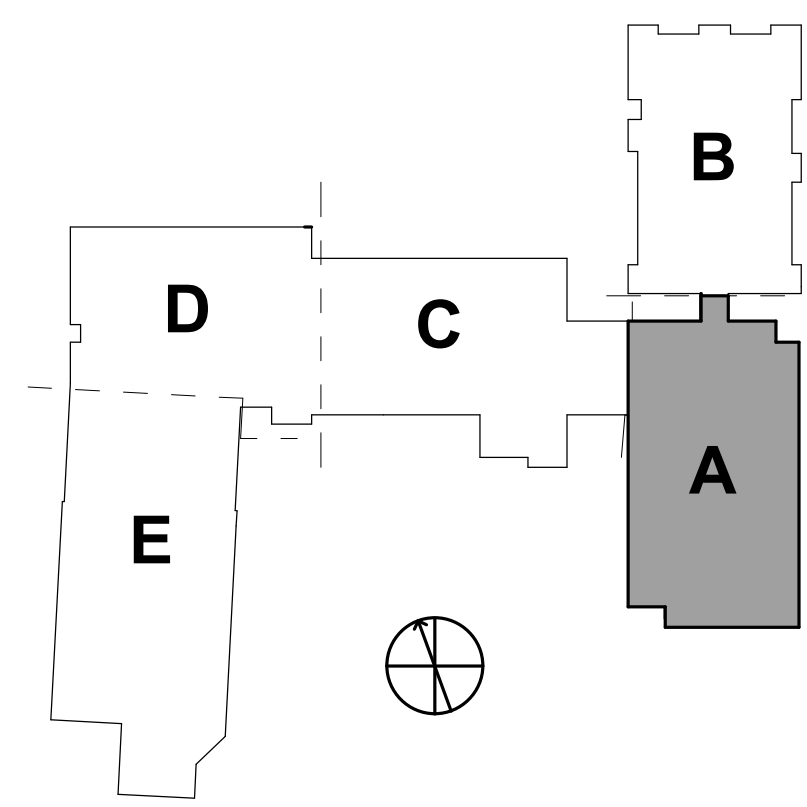
KEYNOTES:

- LOUVER SIZE SHOWN IS MINIMUM REQUIRED FOR HVAC DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOUVER SIZE & LOCATION.
- 46X30 RA DUCT FLARED OUT TO 54X42 FOR PLENUM RETURN INLET.
- POINT OF DEMARK BETWEEN BASE BID AND BID ALT.1 CAP END OF DUCT IF BID ALT.1 NOT CONSTRUCTED
- PROVIDE 50/50 SPLITTER IN LOUVER PLENUM.

WALL RATING LEGEND:



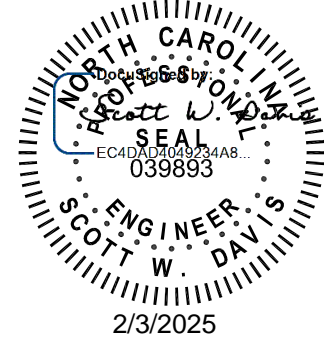
KEYPLAN:



ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

SEALS



DKA JOB NUMBER  
2401

DEWBERRY NUMBER  
50171439

REVISIONS

1 Addendum #1 02/03/2025

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BID DOCUMENTS  
01/10/2025

SHEET TITLE  
SECOND FLOOR  
DUCTWORK PLAN  
AREA A

M02.01



**GENERAL NOTES:**

- SEE SHEET M00.01 FOR LEGEND AND GENERAL MECHANICAL PROJECT NOTES.
- REFER TO EQUIPMENT SCHEDULES FOR PIPING BRANCH SIZES FROM MAINS TO HEATING AND COOLING COILS.

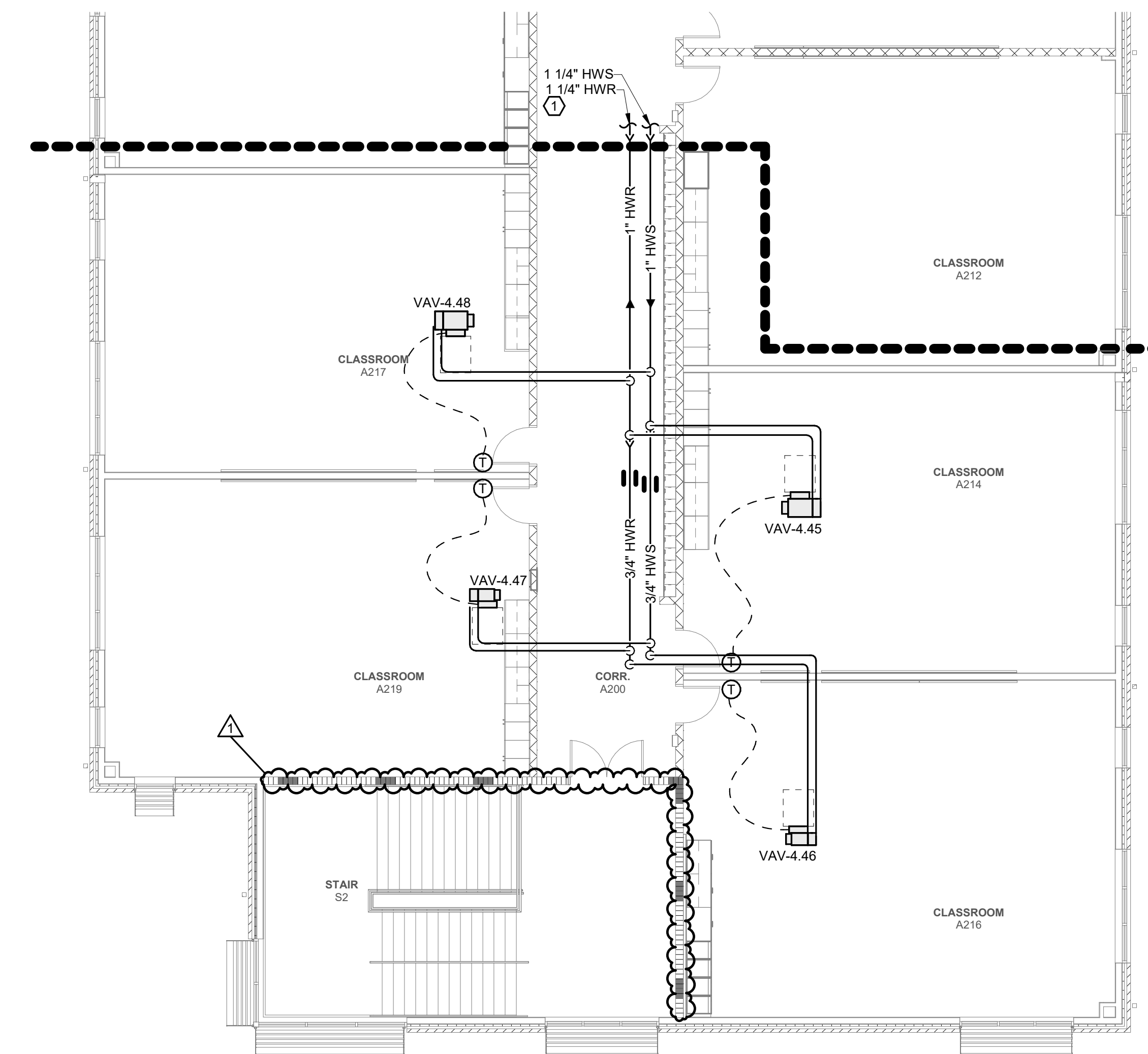
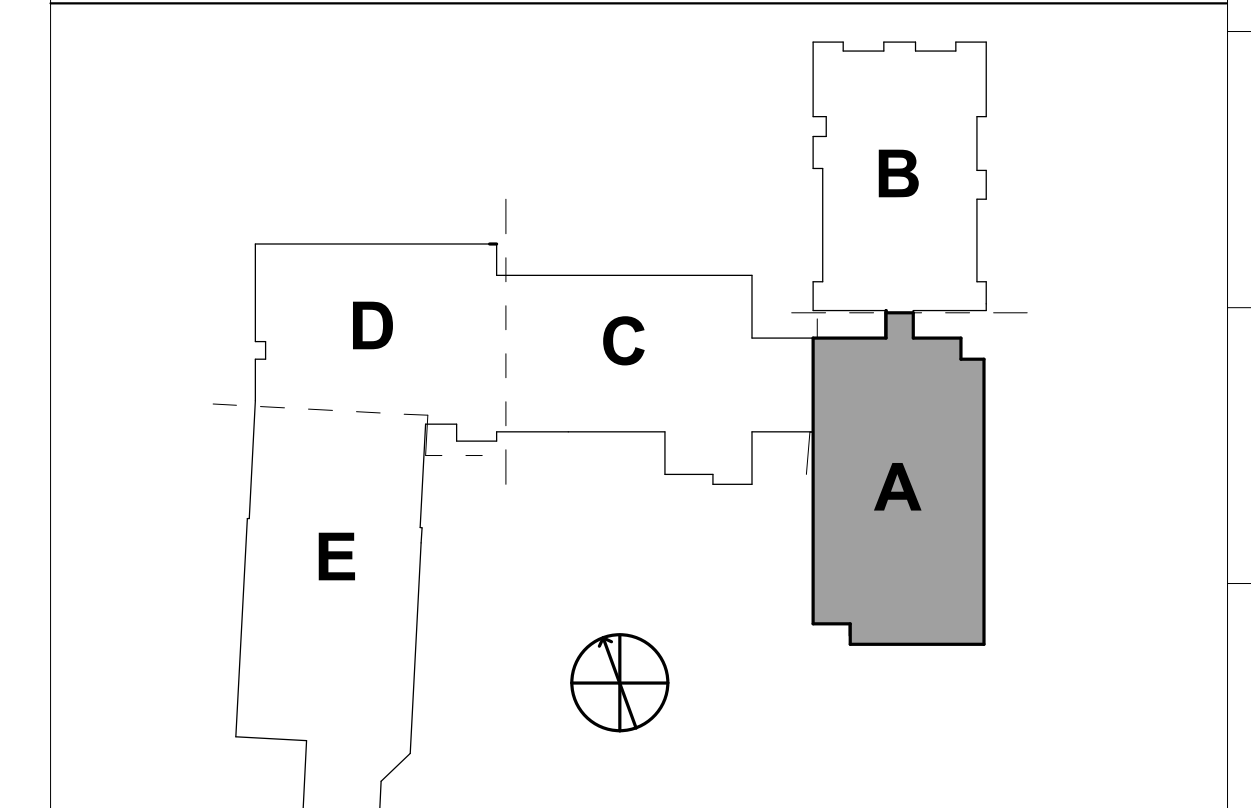
**KEYNOTES:**

- POINT OF DEMARK BETWEEN BASE BID AND BIT ALT. 1. CAP ENDS OF HWS/R MAINS IF BID ALT. 1 NOT CONSTRUCTED.
- HW LOOP BYPASS VALVE. REFER TO CONTROLS DRAWINGS AND BYPASS VALVE DETAIL.
- HW LOOP DIFFERENTIAL PRESSURE SENSOR. REFER TO CONTROLS DRAWINGS AND DIFFERENTIAL PRESSURE TRANSMITTER DETAIL.
- PROVIDE METRAFLEX METRALOOP OR EQUAL. INSTALL PER MANUFACTURER'S REQUIREMENTS. PROVIDE GUIDES AND ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.

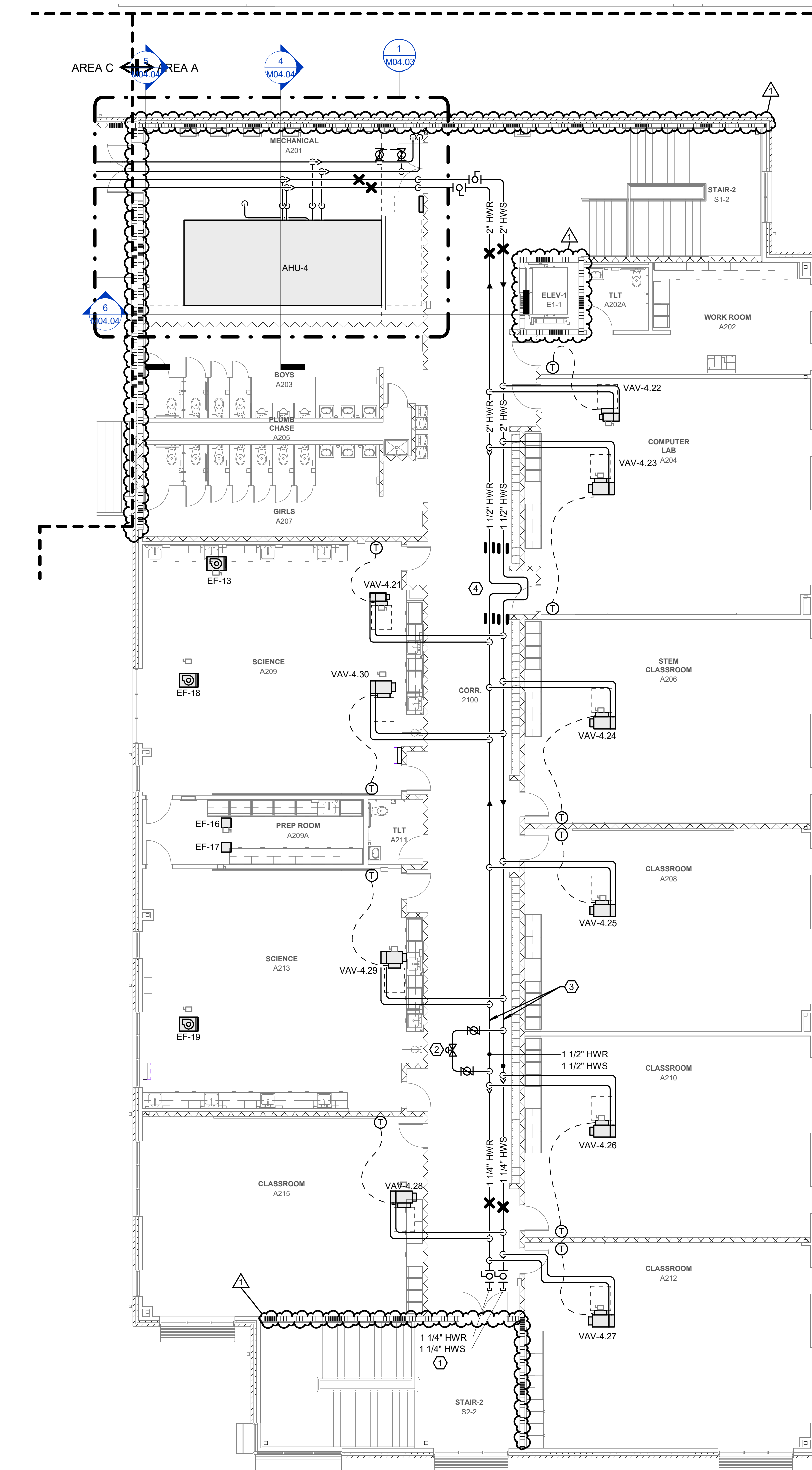
**WALL RATING LEGEND:**

- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

**KEYPLAN:**



**1 SECOND FLOOR PIPING PLAN AREA A - BID ALT NO. 1**  
Scale: 1/8" = 1'-0"



**2 SECOND FLOOR PIPING PLAN AREA A**  
Scale: 1/8" = 1'-0"



**GENERAL NOTES:**

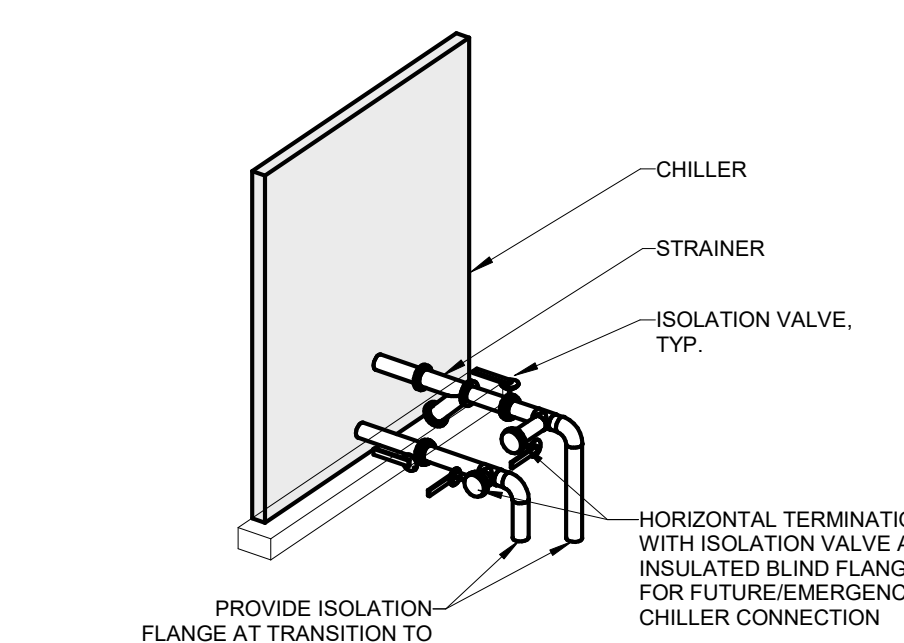
- SEE SHEET M00.01 FOR LEGEND AND GENERAL MECHANICAL PROJECT NOTES.
- REFER TO EQUIPMENT SCHEDULES FOR PIPING BRANCH SIZES FROM MAINS TO HEATING AND COOLING COILS.

**KEYNOTES:**

- 80 EXHAUST FLUE AND 80 COMBUSTION AIR INTAKE UP TO ROOF.
- LOUVER SIZE SHOWN IS MINIMUM REQUIRED FOR HVAC DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOUVER SIZE & LOCATION.
- MAINTAIN MINIMUM 36-INCHES OF COVER. REFER TO BELOW GRADE PIPING DETAIL. COORDINATE ELEVATION DEPTHS WITH CIVIL ENGINEER AND SITE UTILITIES CONTRACTOR.
- INTAKE GRAVITY HOOD ON PITCHED ROOF ABOVE. ROUTE 30X30 ON DN FROM HOOD AND TERMINATE @ 14'-6" AFF WITH GALVANIZED WIRE MESH SCREEN. INSTALL MOTORIZED ISOLATION DAMPER IN VERTICAL DUCT AND INTERLOCK TO OPEN WHEN EF-4 OPERATES.
- GRAVITY EXHAUST AIR HOOD ON PITCHED ROOF ABOVE. ROUTE 24X20 EA UP TO HOOD FROM EF-4 DISCHARGE. INSTALL BACKDRAFT DAMPER IN DUCT AT FAN DISCHARGE.
- PROVIDE MIN 3 FT LONG 24X24 EA DUCT AT FAN INLET. TERMINATE OPEN END WITH GALVANIZED WIRE MESH SCREEN.
- MOUNT FAN AS HIGH AS POSSIBLE BELOW BOTTOM CHORD OF ROOF TRUSSES. BOTTOM OF FAN AND ASSOCIATED DUCTWORK SHALL BE LOCATED MIN. 12'-2" AFF.
- OFFSET EA DUCT UP ABOVE BOTTOM CHORD OF ROOF TRUSSES AND EXTEND TO TERMINATION POINT SHOWN. TERMINATE OPEN END WITH GALVANIZED WIRE MESH SCREEN.
- 1-1/2" MAKEUP WATER DN TO BACKFLOW DEVICE. REFER TO PLUMBING DRAWINGS & MECHANICAL DETAILS FOR ADDITIONAL INFORMATION. PROVIDE SEPARATE PRV STATION FOR EACH CHW AND HW SYSTEM.
- BOILER EMERGENCY POWER-OFF PUSH-BUTTON 48" AFF ADJACENT TO EXIT DOOR.
- REFER TO PLUMBING DRAWINGS FOR GAS PIPING.
- PROVIDE MOTORIZED ISOLATION DAMPER AT INTAKE LOUVER AND INTERLOCK TO OPEN WHEN EF-3 OPERATES.
- REFER TO ISOMETRIC VIEW 4 ON THIS SHEET AND AIR-COOLED CHILLER DETAIL FOR CHILLER PIPING CONNECTION REQUIREMENTS. PIPING SHOWN STAGGERED FOR CLARIFICATION. ACTUAL PIPING IS VERTICALLY ALIGNED.
- PROVIDE FULL SIZE 4" CHWR BYPASS WITH ISOLATION VALVES AS INDICATED TO MANUALLY ASSIGN EITHER PUMP TO EITHER CHILLER. REFER TO ISOMETRIC VIEWS ON THIS SHEET FOR VALVE LOCATIONS.
- PROVIDE ISOLATION VALVE AT FLANGE TO UNDERGROUND PIPING.

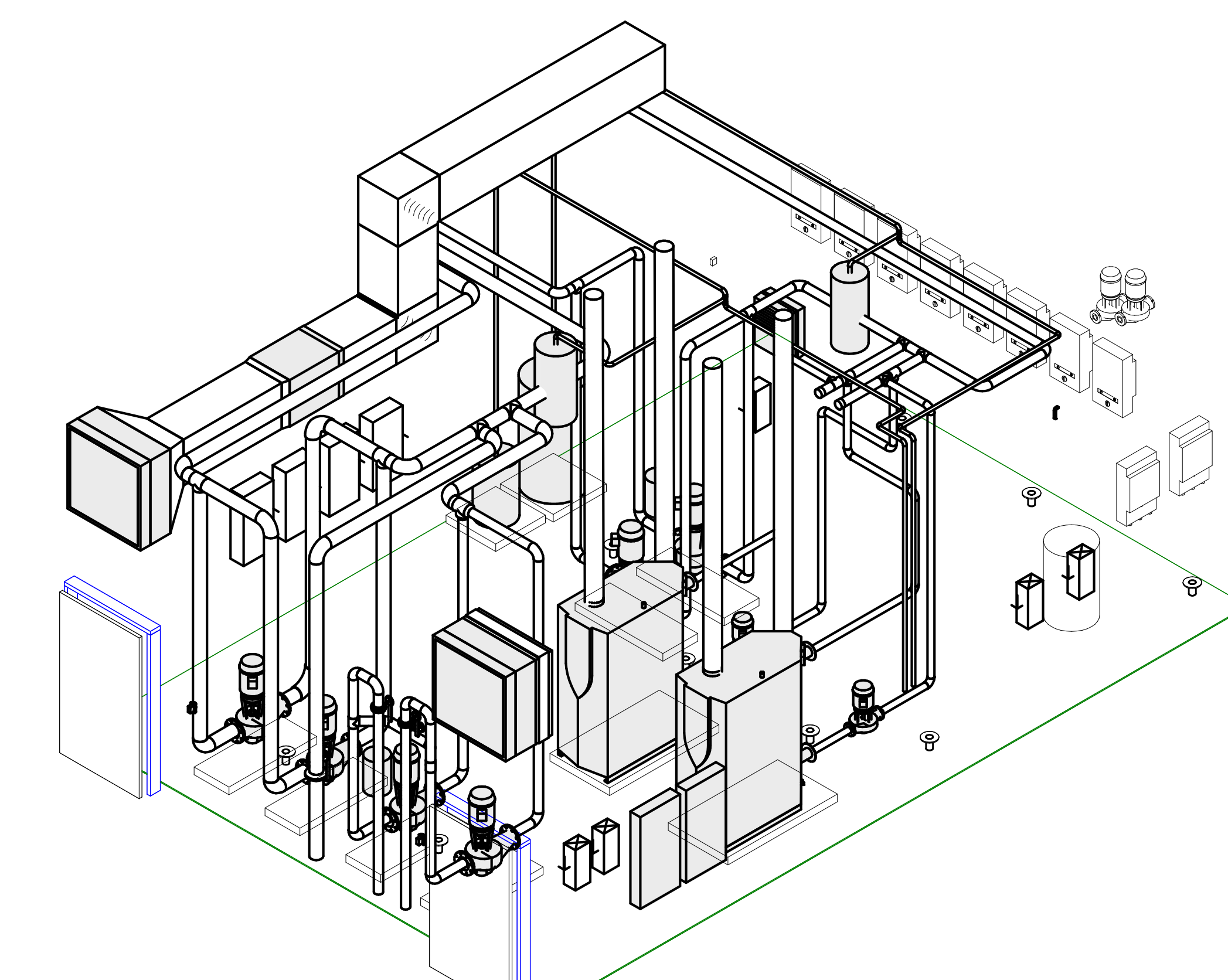
**4 TYPICAL CHILLER PIPING CONNECTION**

Scale: N.T.S.



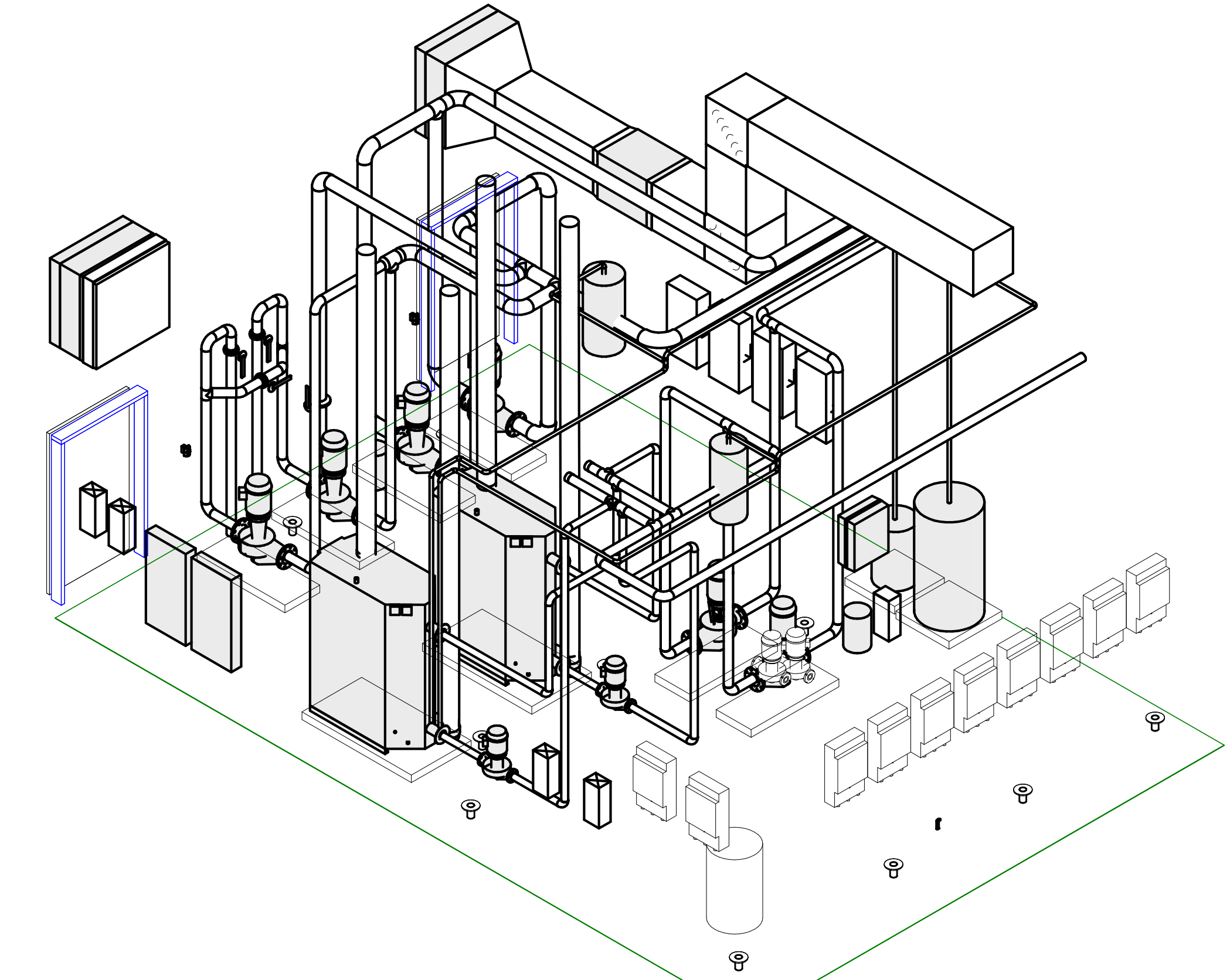
**1 MECHANICAL EQUIPMENT YARD**

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



**2 BOILER ROOM ISOMETRIC - VIEW FROM SW**

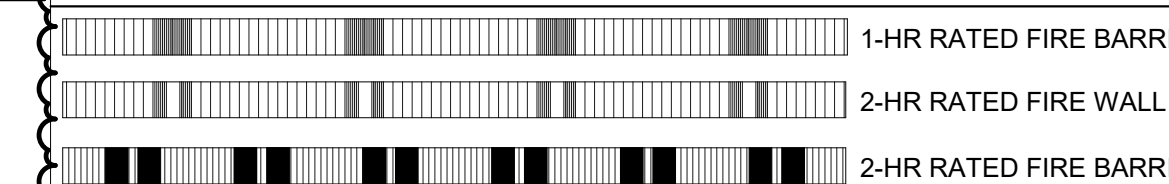
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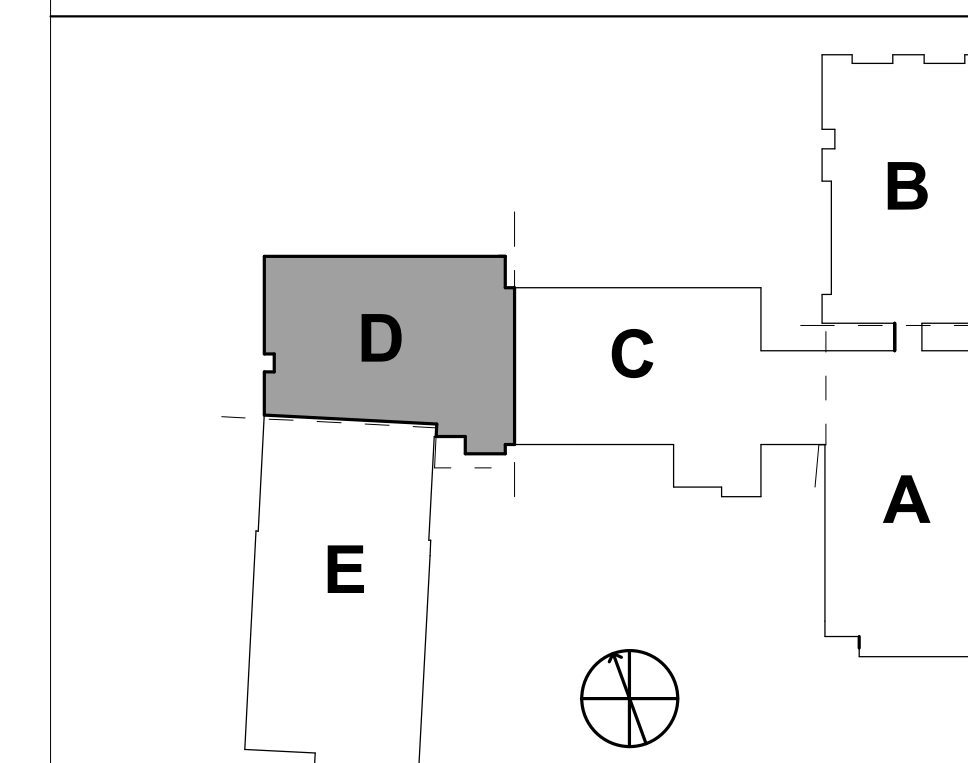
**3 BOILER ROOM ISOMETRIC - VIEW FROM SE**

Scale: N.T.S.

**WALL RATING LEGEND:**



**KEYPLAN:**





**GENERAL NOTES:**

- SEE SHEET M00.01 FOR LEGEND AND GENERAL MECHANICAL PROJECT NOTES.
- REFER TO EQUIPMENT SCHEDULES FOR PIPING BRANCH SIZES FROM MAINS TO HEATING AND COOLING COILS.

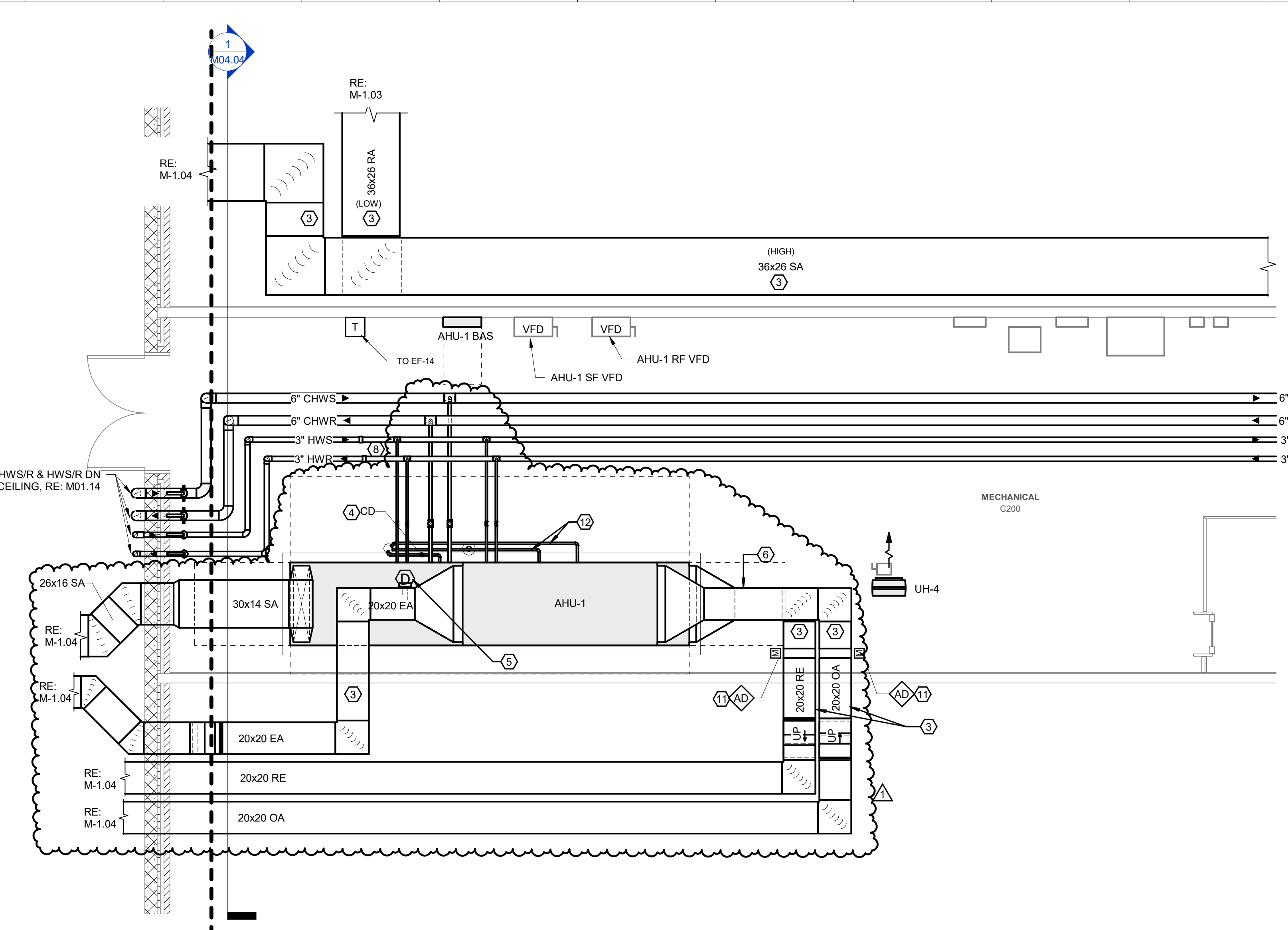
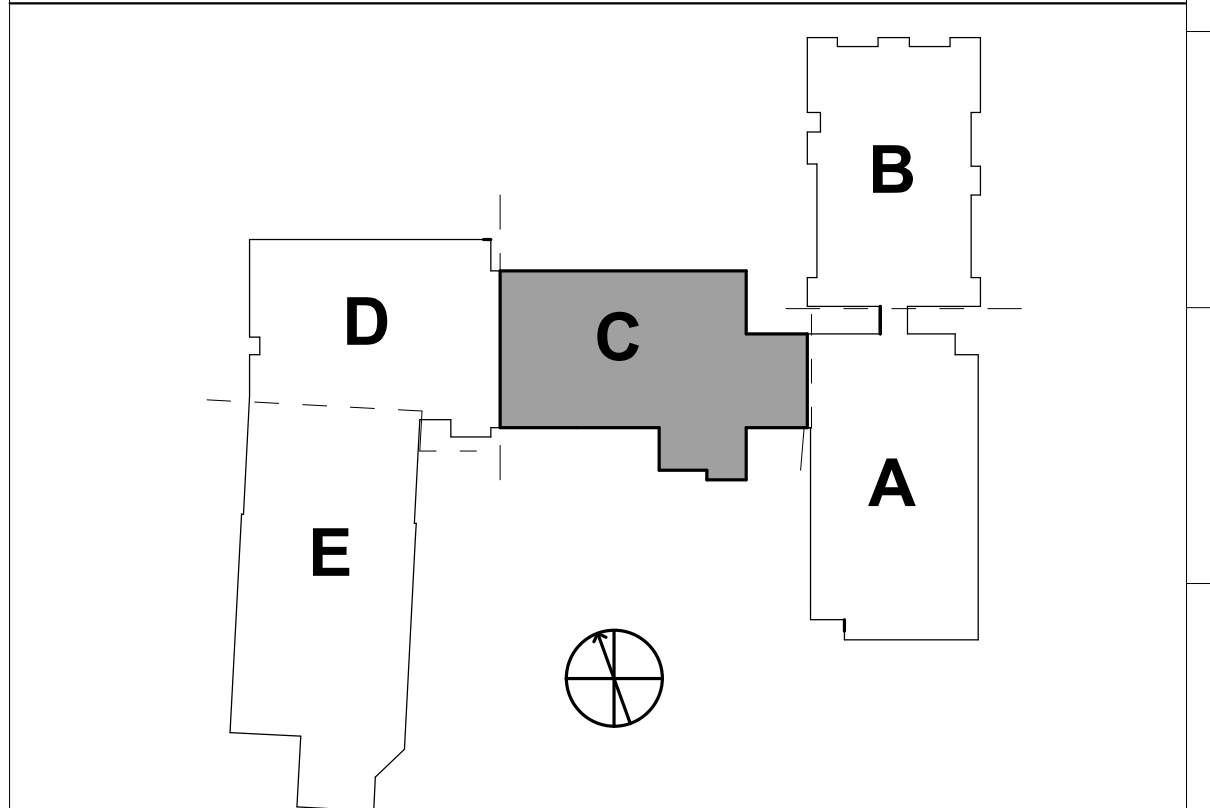
**KEYNOTES:**

- LOUVER SIZE SHOWN IS MINIMUM REQUIRED FOR HVAC DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOUVER SIZE & LOCATION.
- LOCATED IN 36X26 RA BELOW
- COORDINATE EXACT DUCT ROUTING WITH ROOF TRUSSES. REFER TO STRUCTURAL DWGS AND TRUSS SHOP DRAWINGS.
- ROUTE AHU CONDENSATE DRAIN TO CONDENSATE HUB DRAIN RECEPTOR. DRAIN LINE OD SHALL BE FULL SIZE OF THE UNIT CONNECTION. REFER TO PLUMBING FOR RECEPTOR LOCATION. REFER TO CONDENSATE TRAP DETAIL.
- INSTALL DUCT MOUNTED RA SMOKE DETECTOR. COORDINATE WITH ELECTRICAL AND FIRE ALARM CONTRACTOR. REFER TO DUCT DETECTOR DETAIL.
- PROVIDE AIR FLOW MEASURING STATION IN THIS LOCATION.
- CHW LOOP DIFFERENTIAL PRESSURE SENSOR. REFER TO CONTROLS DRAWINGS AND DIFFERENTIAL PRESSURE TRANSMITTER DETAIL.
- PROVIDE HOT WATER PIPING ANCHORS IN THIS LOCATION.
- PROVIDE HOT WATER PIPING GUIDES IN THIS LOCATION.
- PROVIDE METRAFLEX METRALOOP OR EQUAL. INSTALL PER MANUFACTURER'S REQUIREMENTS. PROVIDE GUIDES AND ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE MOTORIZED ISOLATION DAMPER IN DUCT IF NOT PROVIDED WITH AIR HANDLING UNIT. REFER TO AHU PREPURCHASE SUBMITTAL AND CONTROLS DRAWINGS.
- PROVIDE CONDENSATE DRAINS WITH TRAPS FROM HEAT RECOVERY SECTION DRAIN CONNECTIONS. SIZE FULL SIZE OF UNIT CONNECTION.
- PROVIDE PREHEAT COIL HW PUMP. REFER TO DETAILS.

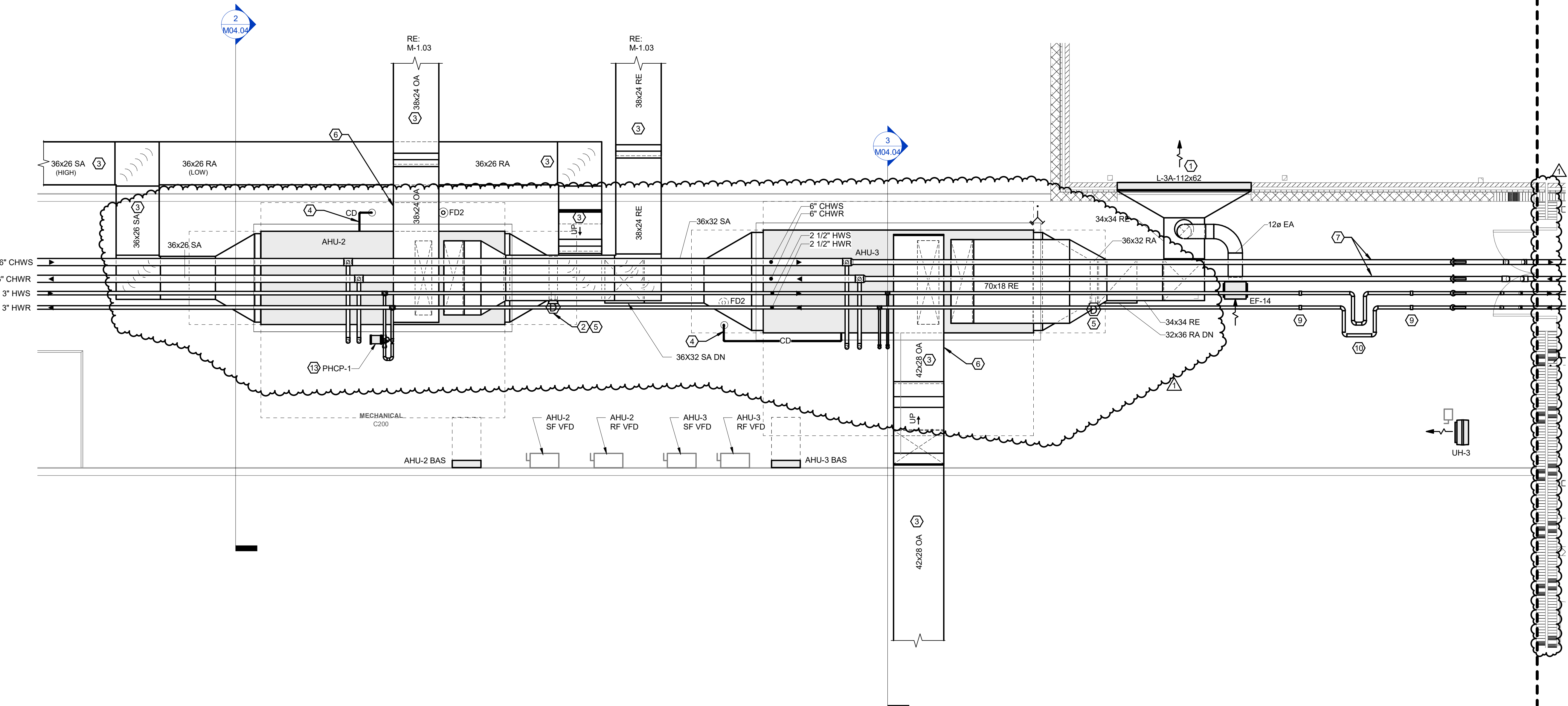
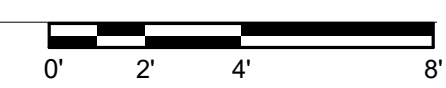
**WALL RATING LEGEND:**

- 1-HR RATED FIRE BARRIER
- 1-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

**KEYPLAN:**



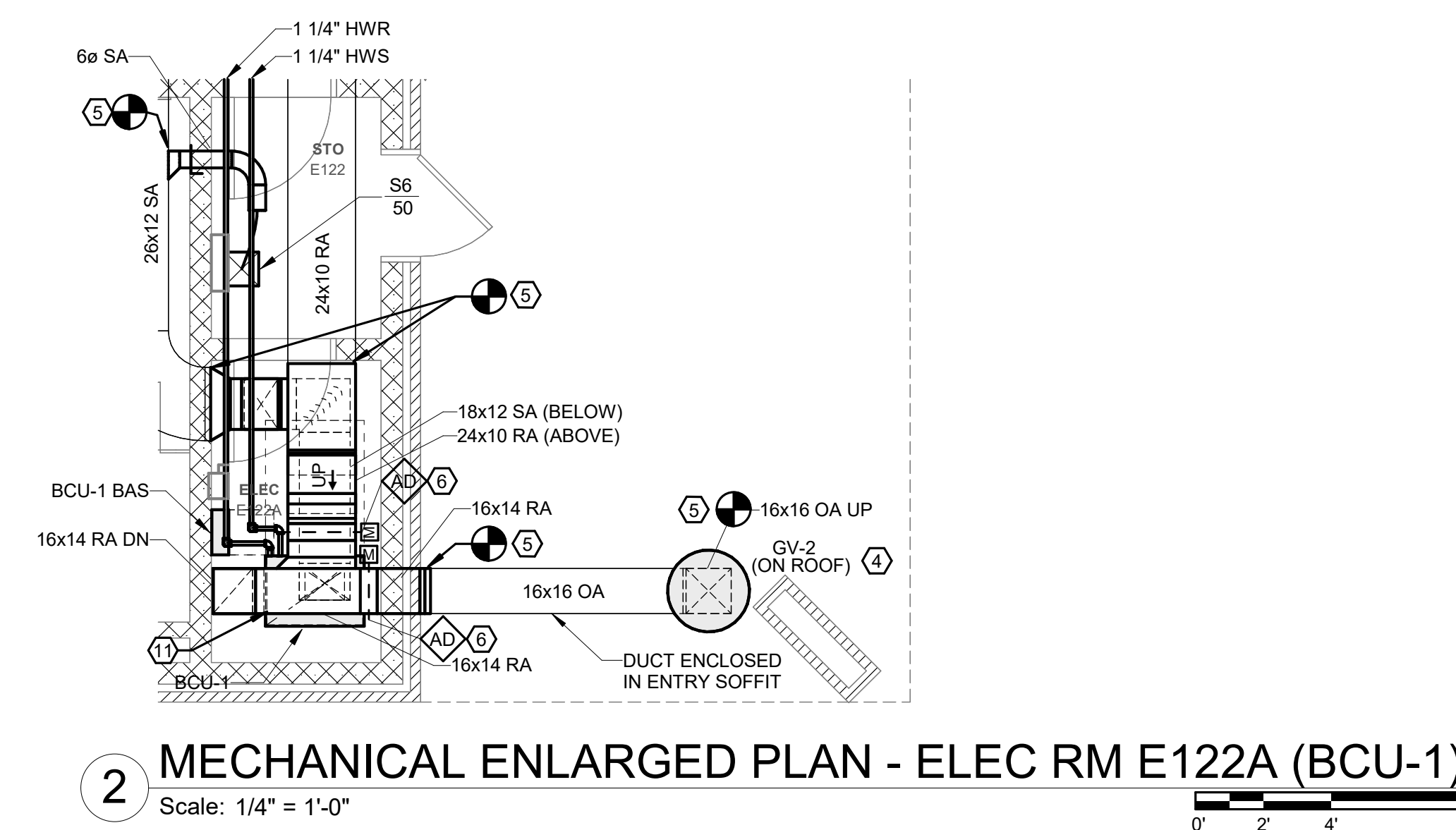
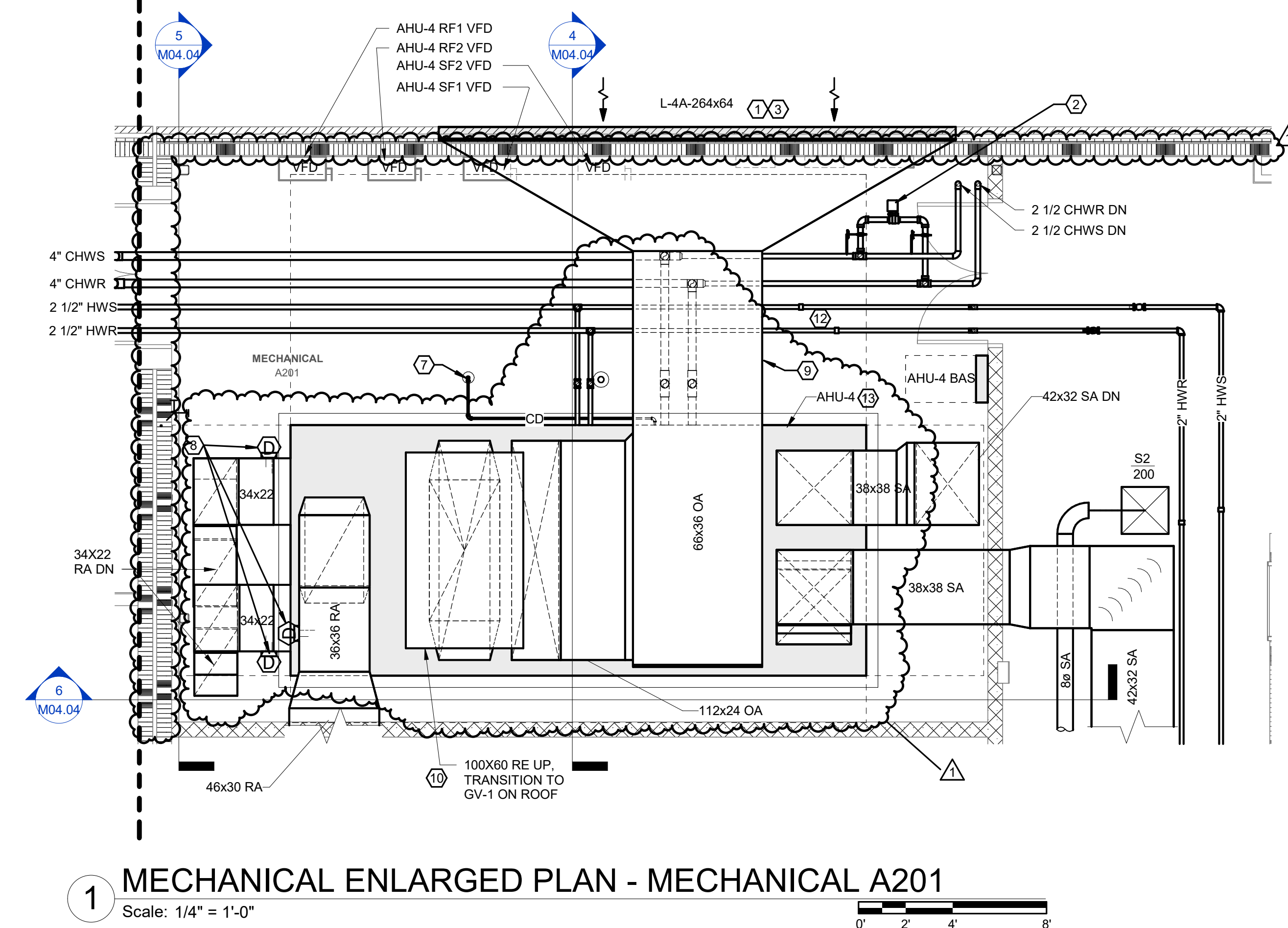
**1 MECHANICAL ENLARGED PLAN - MECHANICAL MEZZANINE - WEST**  
Scale: 1/4" = 1'-0"



**2 MECHANICAL ENLARGED PLAN - MECHANICAL MEZZANINE - EAST**  
Scale: 1/4" = 1'-0"



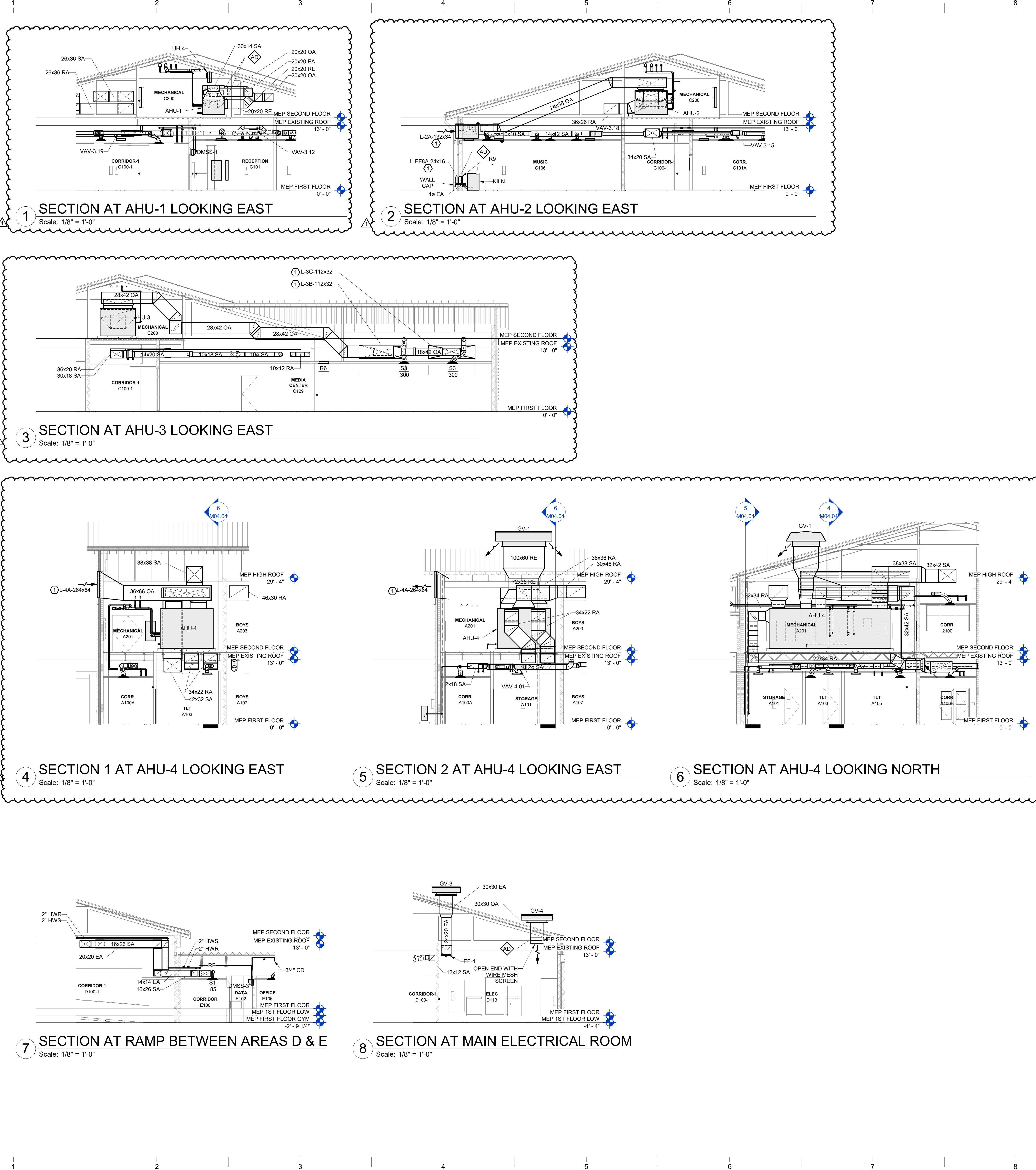




M04\_03

M04\_03





GENERAL NOTES:

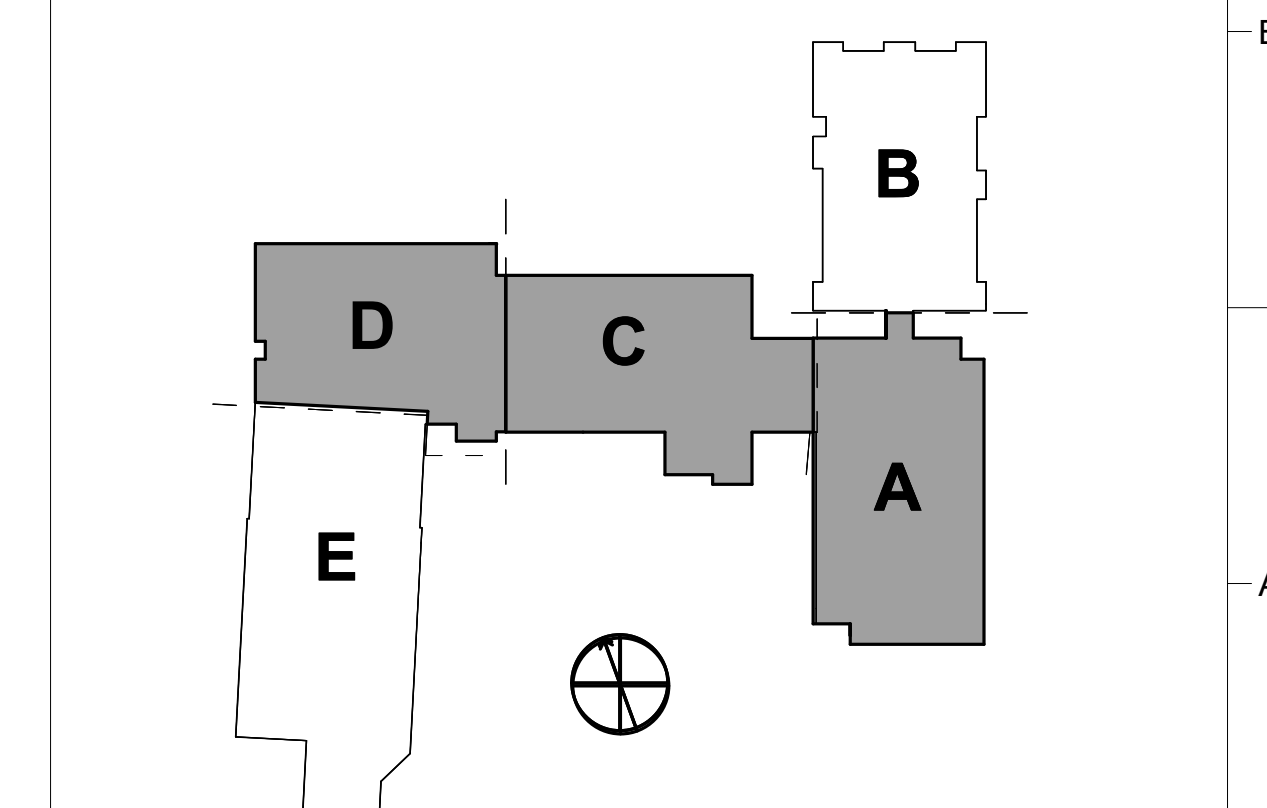
- SEE SHEET M00.01 FOR LEGEND AND GENERAL MECHANICAL PROJECT NOTES.
- REFER TO EQUIPMENT SCHEDULES FOR PIPING BRANCH SIZES FROM MAINS TO HEATING AND COOLING COILS.

KEYNOTES:

- LOUVER SIZE SHOWN IS MINIMUM REQUIRED FOR HVAC DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOUVER SIZE & LOCATION.

WALL RATING LEGEND:

- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER





GENERAL NOTES:

- SEE SHEET M00.01 FOR LEGEND AND GENERAL MECHANICAL PROJECT NOTES.
- REFER TO EQUIPMENT SCHEDULES FOR PIPING BRANCH SIZES FROM MAINS TO HEATING AND COOLING COILS.

KEYNOTES:

- LOUVER SIZE SHOWN IS MINIMUM REQUIRED FOR HVAC DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOUVER SIZE & LOCATION.



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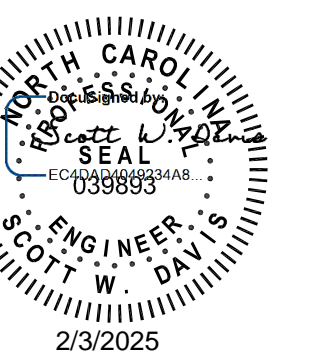
Dewberry Engineers Inc.  
200 South Main  
Raleigh, NC 27601-3071  
919.833.3737  
NC License No. F-0028

PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

SEALS



DKA JOB NUMBER  
2401

DEWBERRY NUMBER  
50171439

REVISIONS

1 Addendum #1 02/03/2025

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SHEET TITLE  
MECHANICAL  
ISOMETRIC VIEWS

M04.05

1 AHU-1 ISOMETRIC - VIEW FROM NW

Scale: N.T.S.

2 AHU-1 ISOMETRIC - VIEW FROM SE

Scale: N.T.S.

3 AHU-2 ISOMETRIC - VIEW FROM SE

Scale: N.T.S.

4 AHU-3 ISOMETRIC - VIEW FROM SE

Scale: N.T.S.

5 AHU-4 ISOMETRIC - VIEW FROM NE

Scale: N.T.S.

6 AHU-4 ISOMETRIC - VIEW FROM SE

Scale: N.T.S.

7 BCU-1 ISOMETRIC - VIEW FROM SE

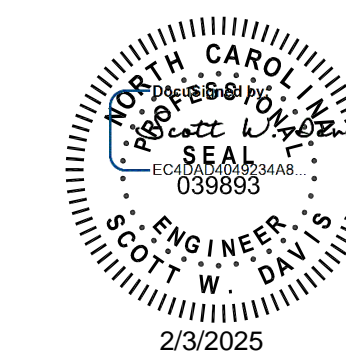
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**ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530

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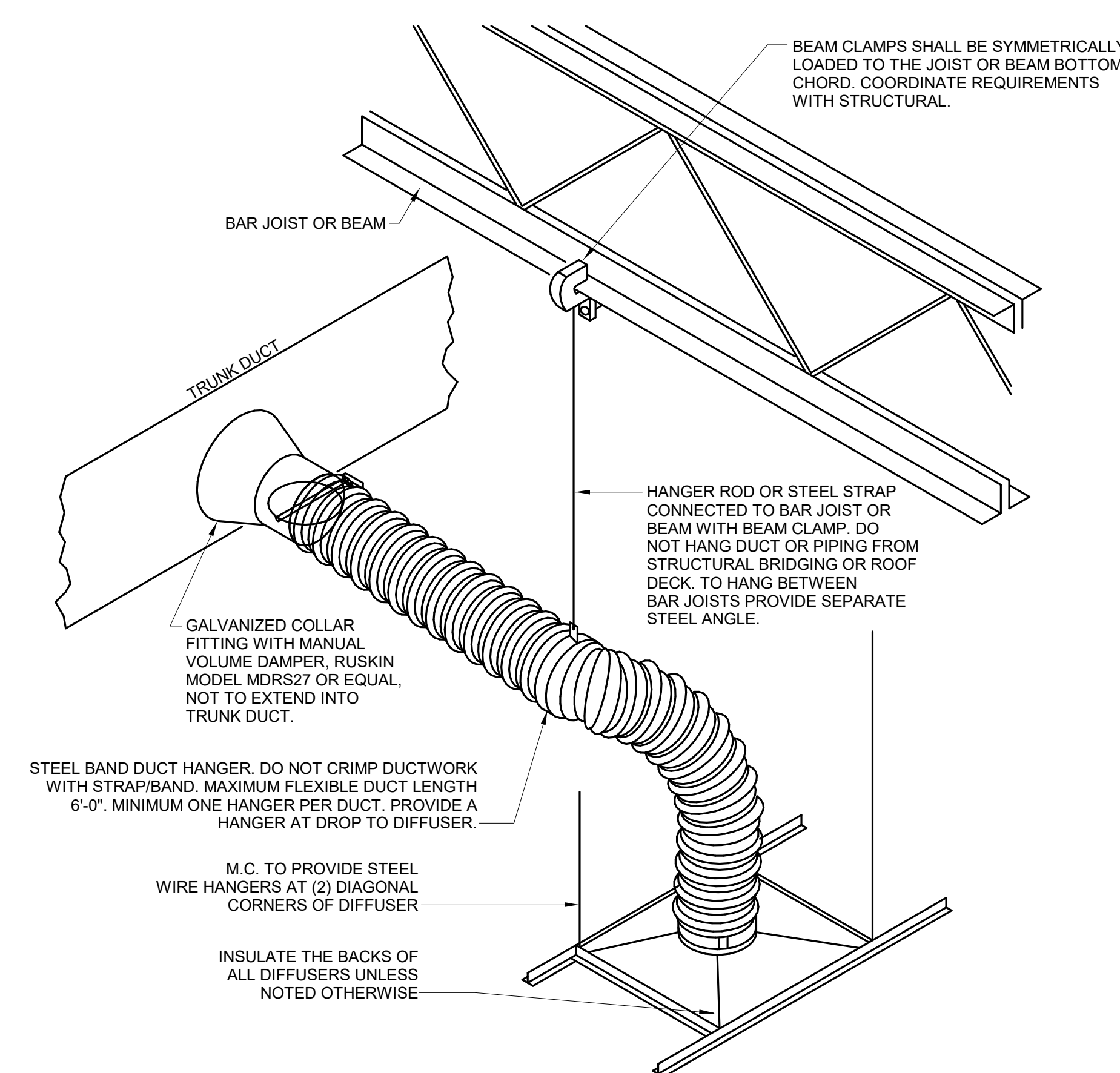
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01/10/2025

**SHEET TITLE**  
DETAILS

**M05.05**

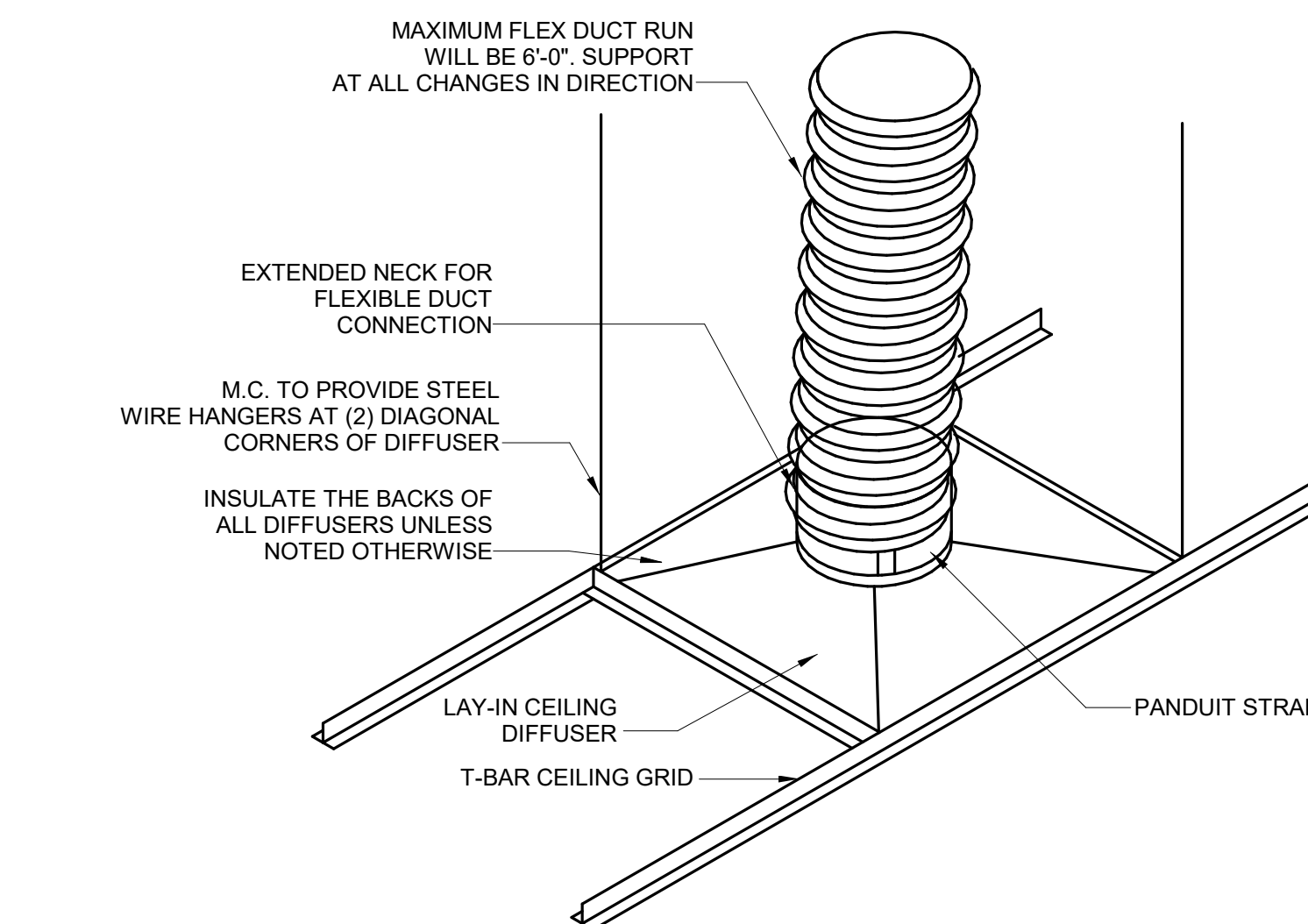
**1 FLEXIBLE DUCTWORK INSTALLATION DETAIL**

Scale: N.T.S.



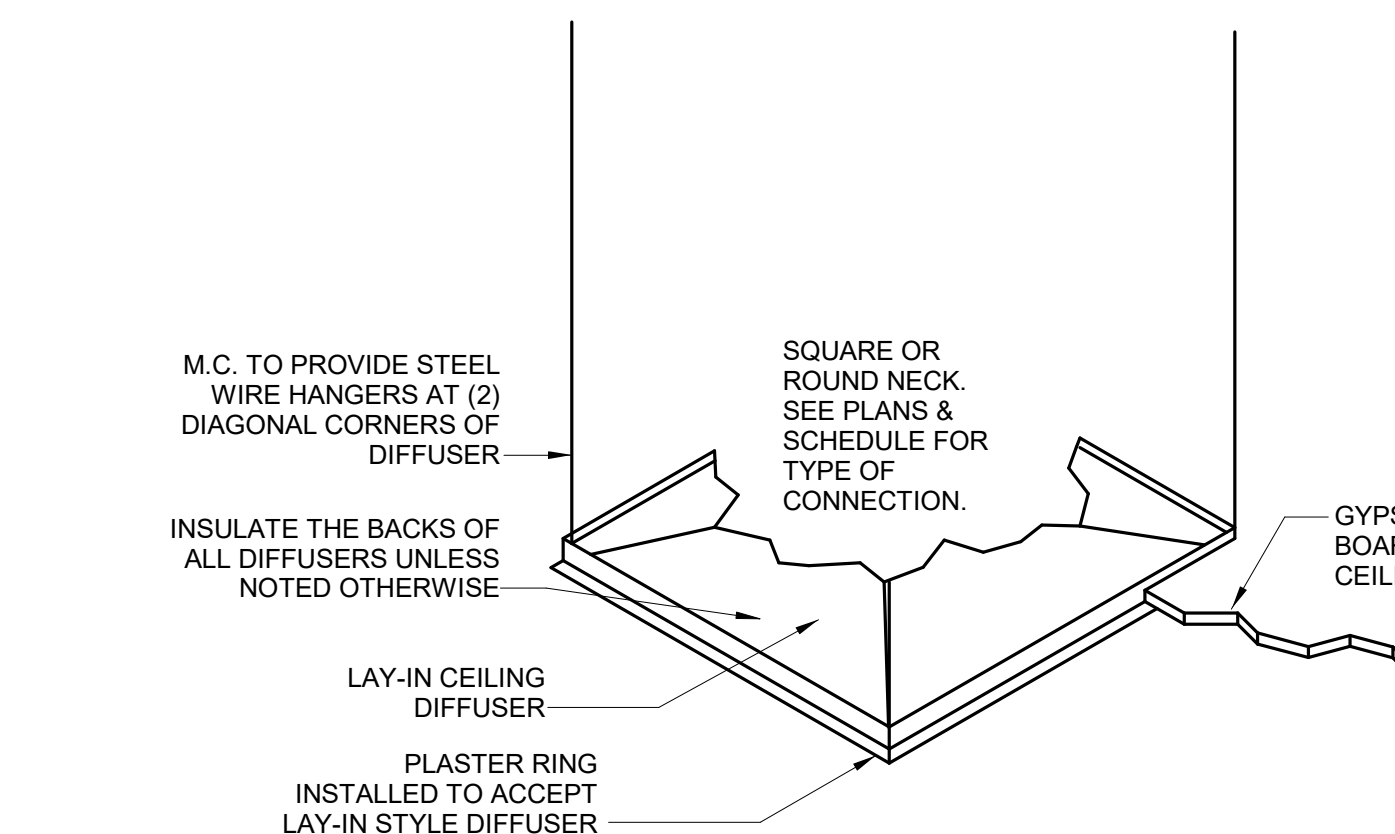
**2 ROUND NECK LAY-IN DIFFUSER DETAIL**

Scale: N.T.S.



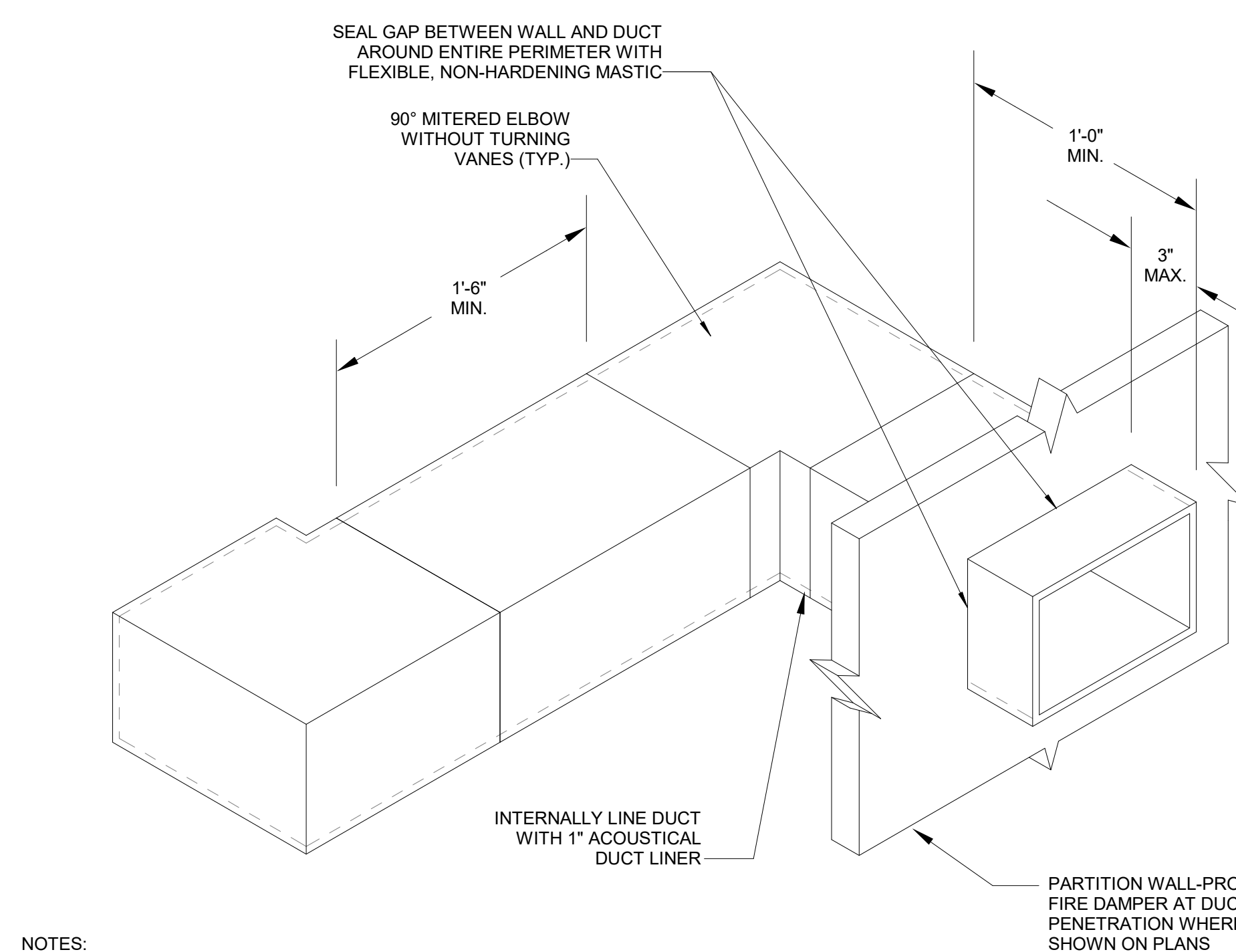
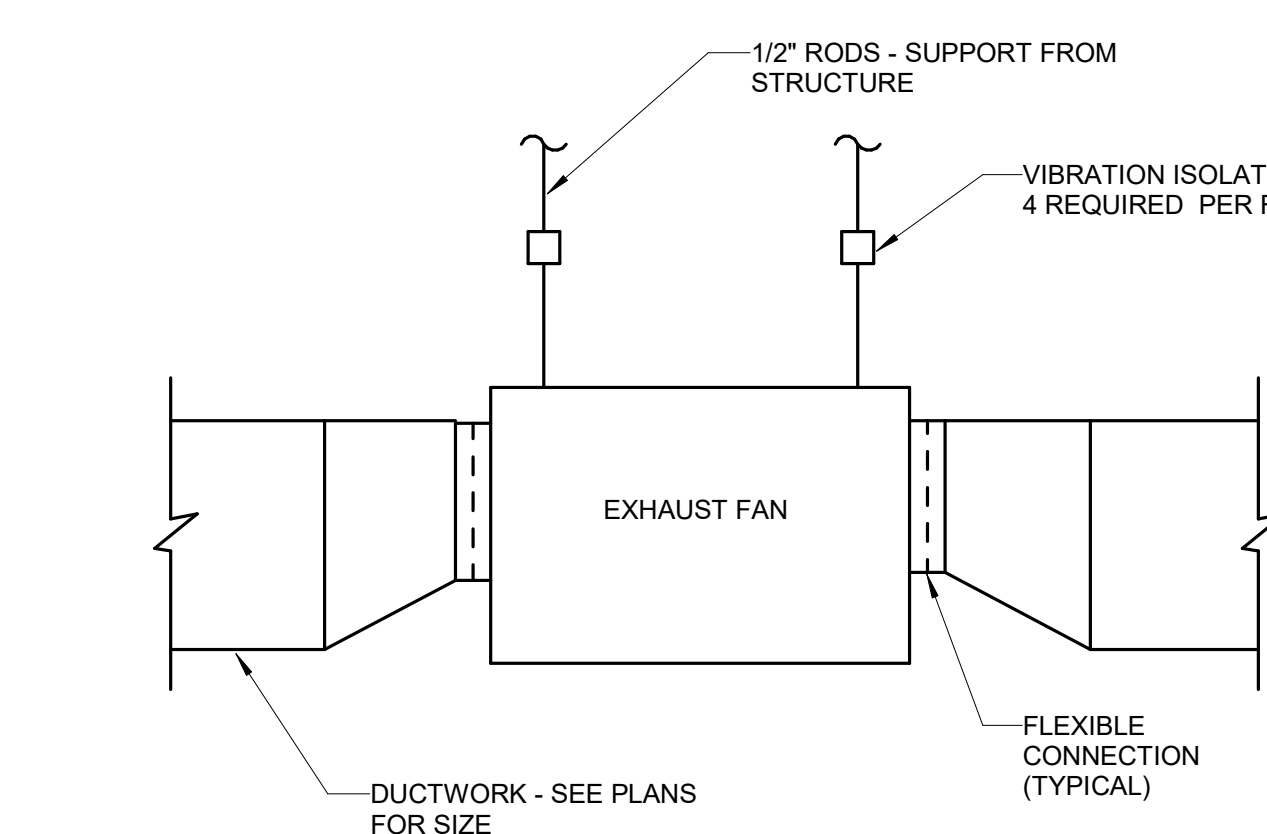
**3 GYPSUM CEILING DIFFUSER DETAIL**

Scale: N.T.S.



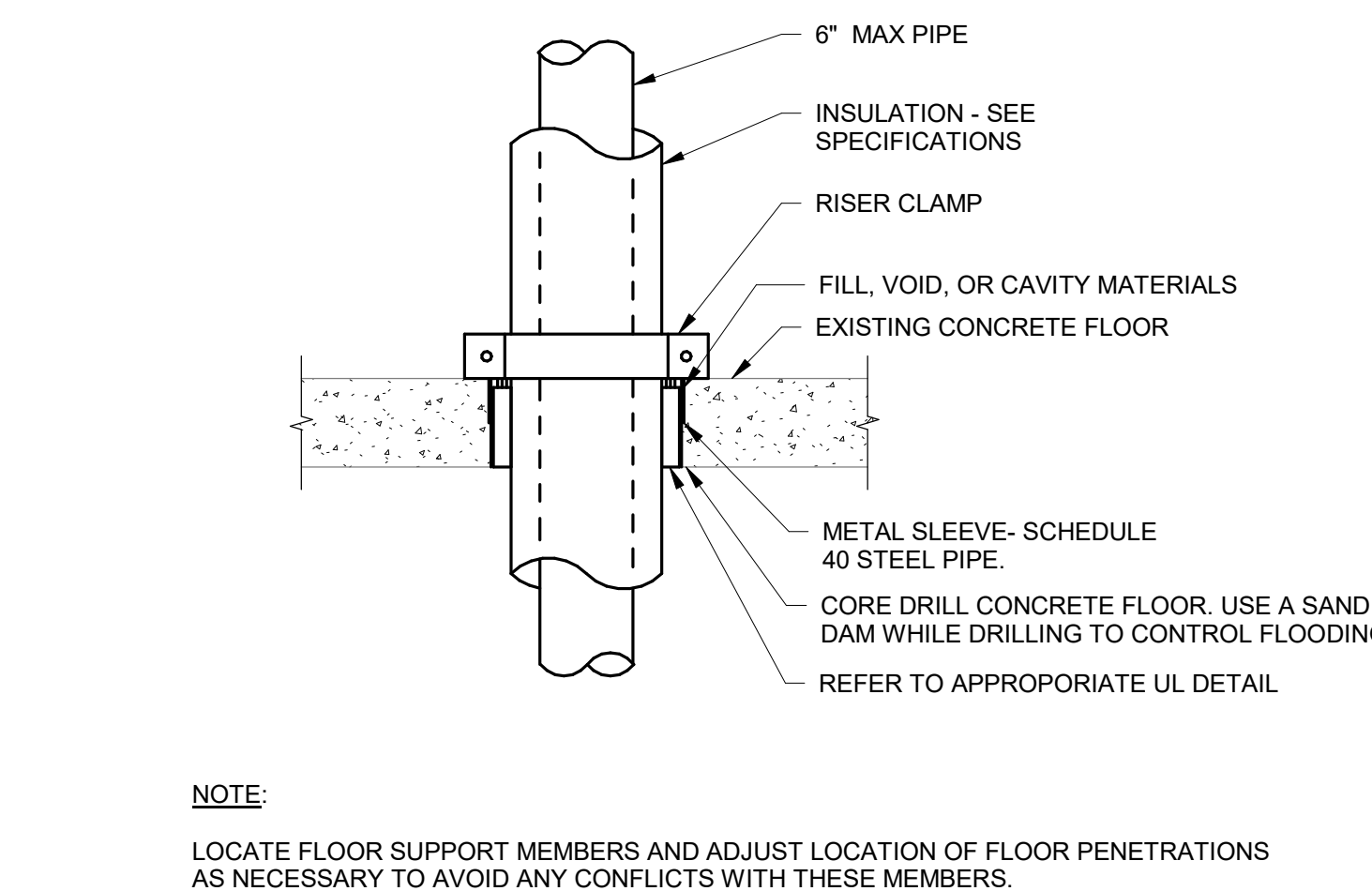
**4 INLINE FAN INSTALLATION DETAIL**

Scale: N.T.S.



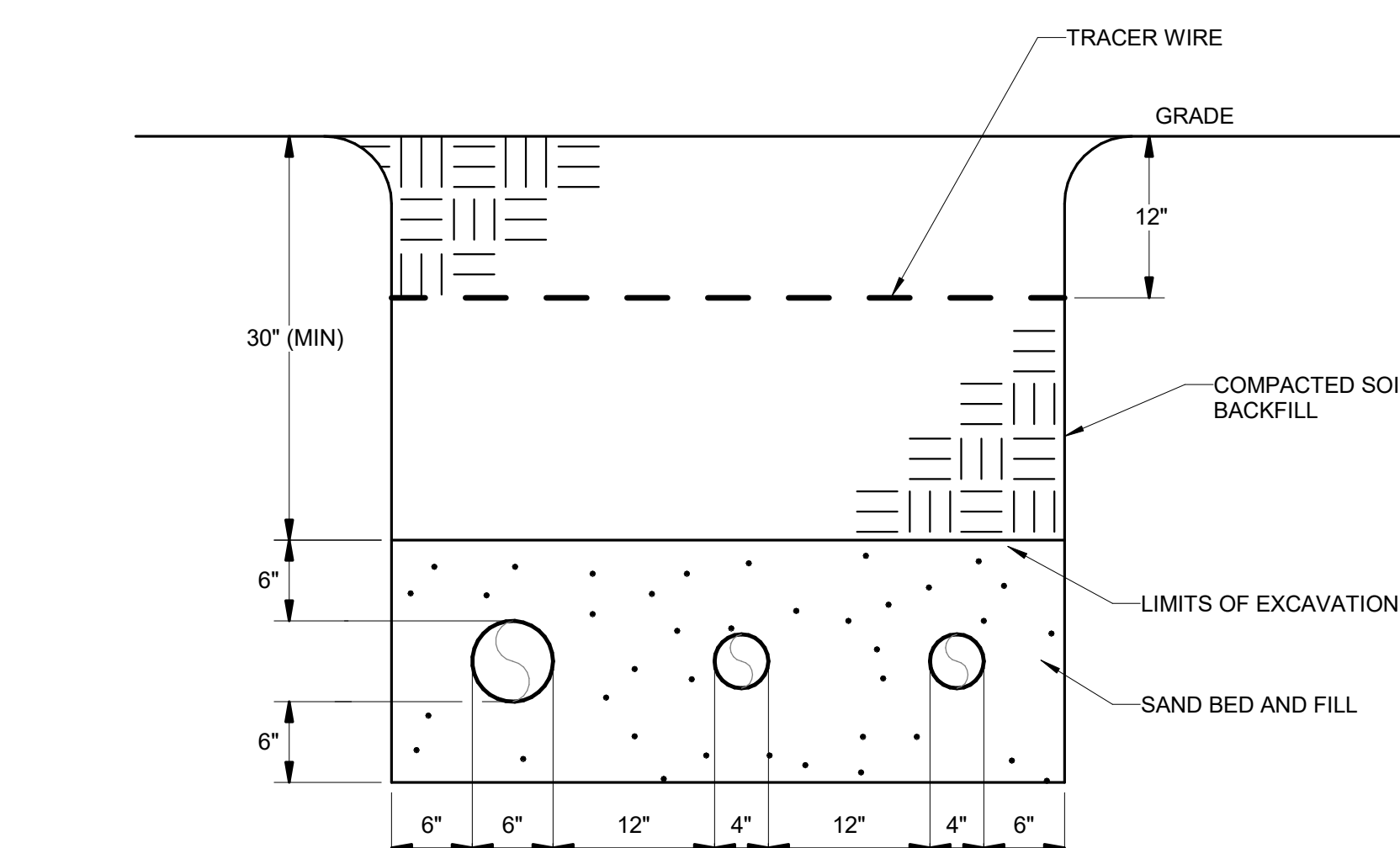
**5 FLOOR PIPE PENETRATION DETAIL**

Scale: N.T.S.



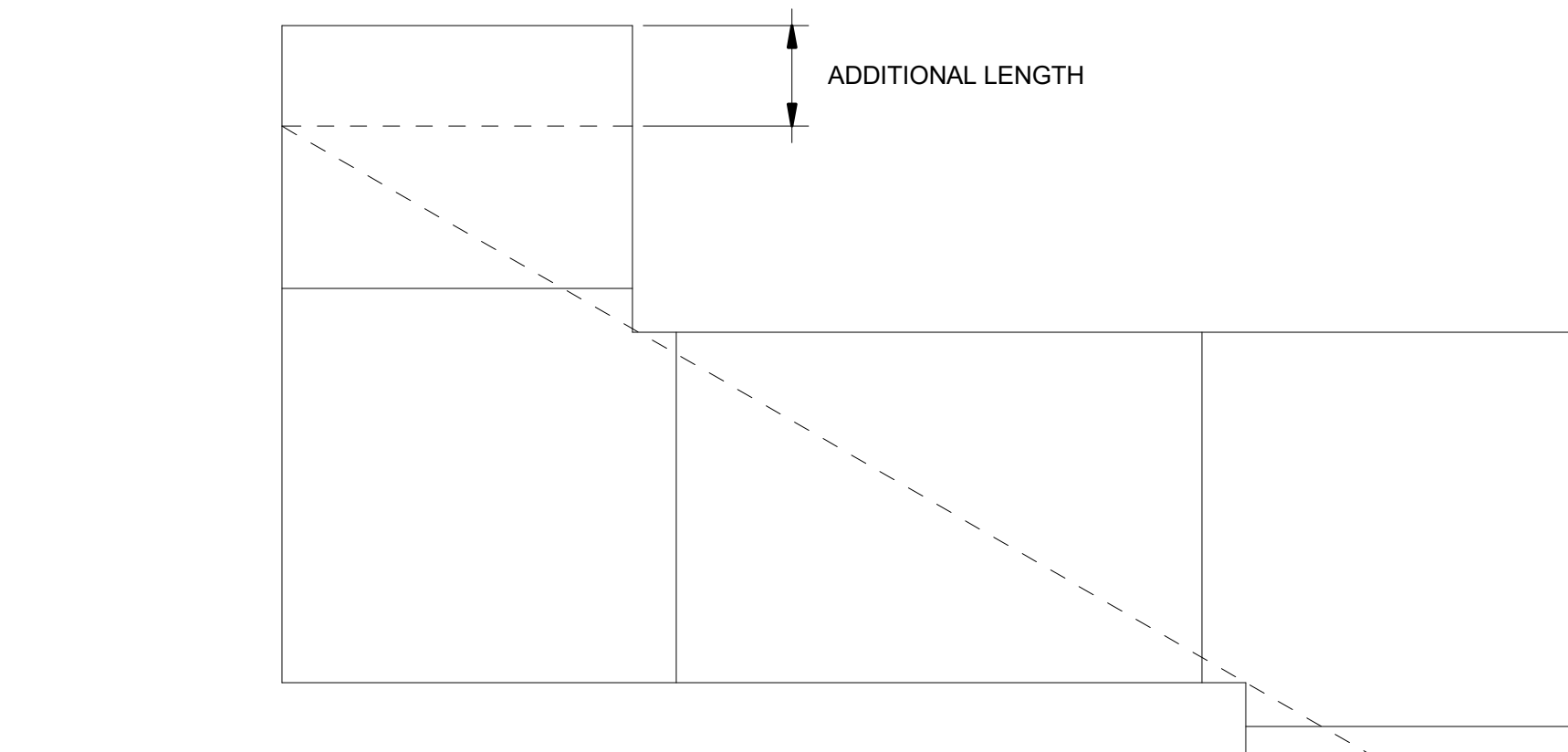
**6 BELOW GRADE PIPING DETAIL**

Scale: N.T.S.



**NOTES:**

1. DETAIL IS TYPICAL FOR ALL ABOVE-CEILING RETURN AIR TRANSFER DUCTS SHOWN ON PLANS. REFER TO PLANS FOR DUCT SIZES AND ORIENTATION.
2. DUCT SIZES LISTED ON PLANS ARE INSIDE-CLEAR DIMENSIONS.



**NOTES:**

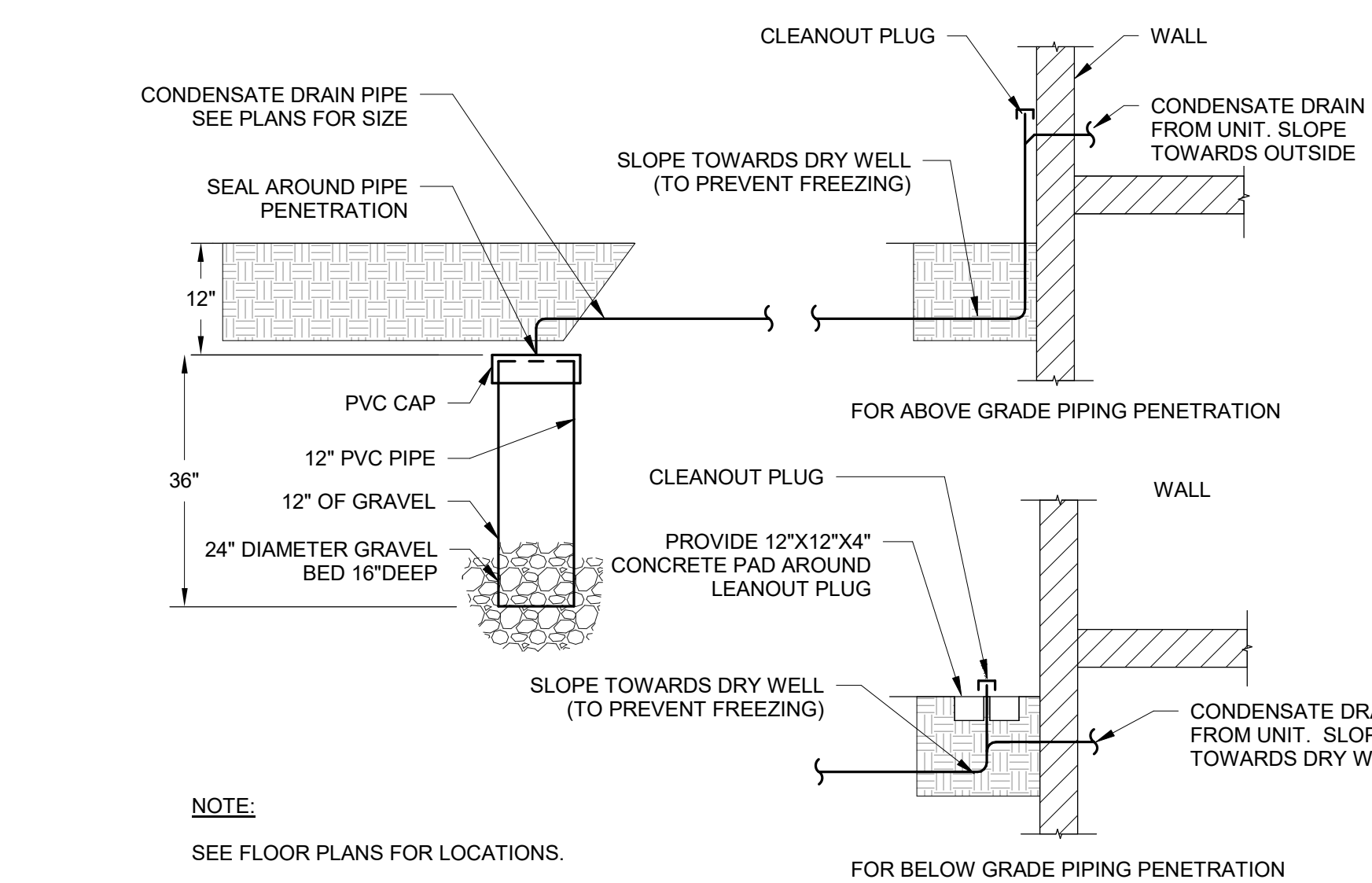
1. PROVIDE ADDITIONAL DUCT LENGTH TO GUARANTEE NO STRAIGHT-LINE PATH EXISTS THROUGH TRANSFER BOOT.

**7 TRANSFER AIR SOUND ATTENUATION DUCT DETAIL (TYPICAL FOR ALL)**

Scale: N.T.S.

**8 DRY WELL**

Scale: N.T.S.

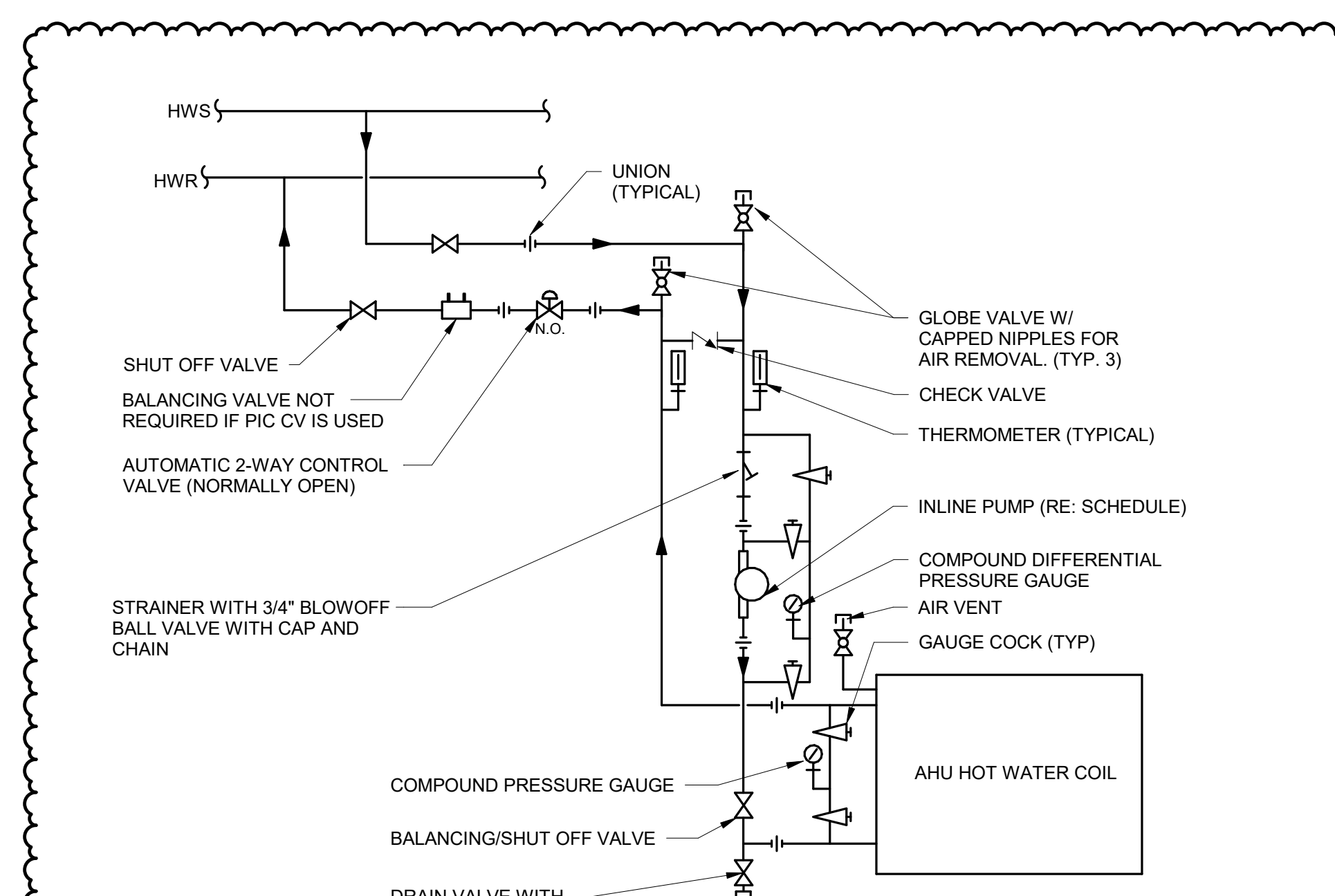


**NOTE:**

SEE FLOOR PLANS FOR LOCATIONS.

**9 AHU HOT WATER PREHEAT COIL PUMP PIPING DETAIL**

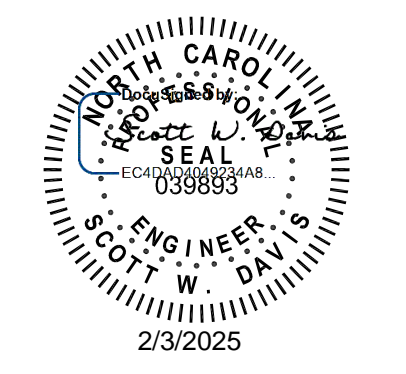
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**ROSEWOOD MIDDLE SCHOOL ADDITION  
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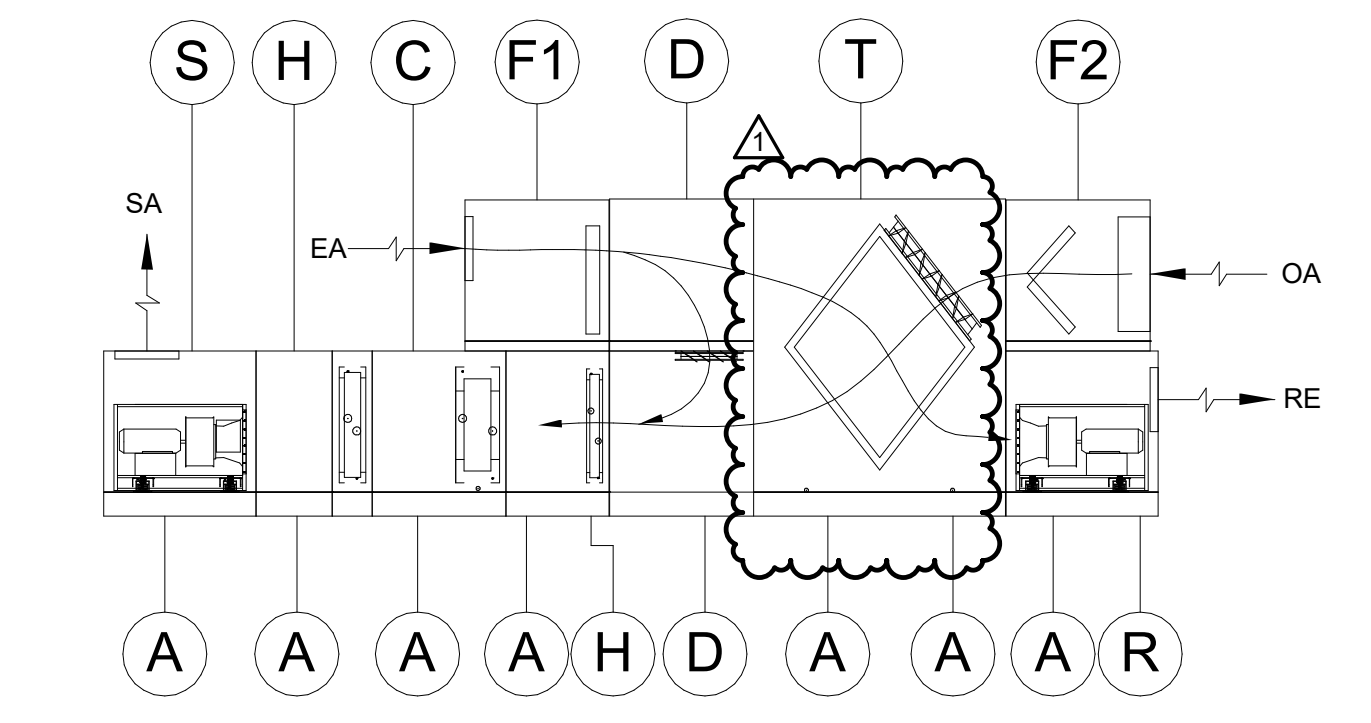
**BID DOCUMENTS**  
01/10/2025

**SHEET TITLE**  
AHU GENERAL  
ARRANGEMENT  
DETAILS

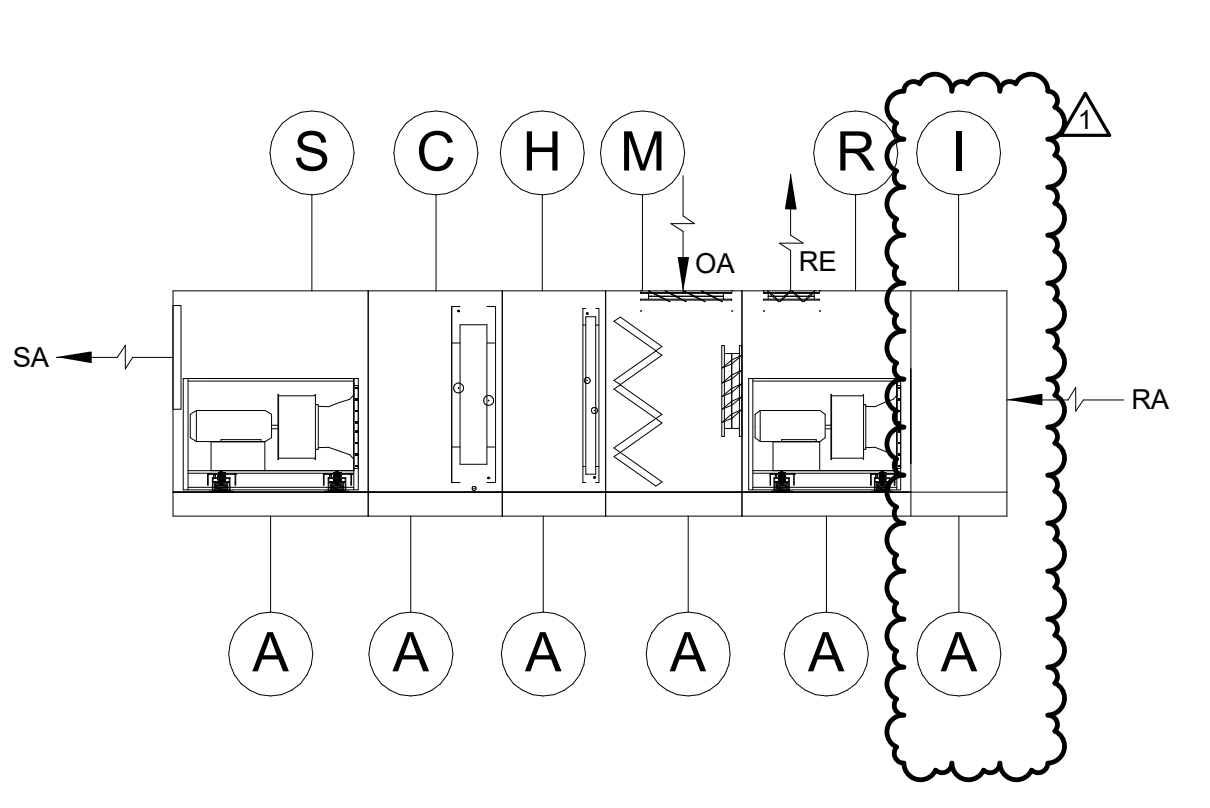
**M05.06**

**KEYNOTES:**  
1 SUPPLY AND INSTALL FAN ISOLATION DAMPERS ON EACH AHU SUPPLY AND RETURN FAN INLET. PROVIDE AIRWARE MODEL A8D GRAVITY CONTROLLED BACKDRAFT DAMPER WITH REQUIRED ACCESSORIES AND INSTALL IN PRE-PURCHASED AIR HANDLING UNIT UNDER THIS PROJECT (BASE BID). COORDINATE EXACT DAMPER REQUIREMENTS WITH UNIT SUPPLIER/MANUFACTURER AND SUBMIT FOR ENGINEERS REVIEW.

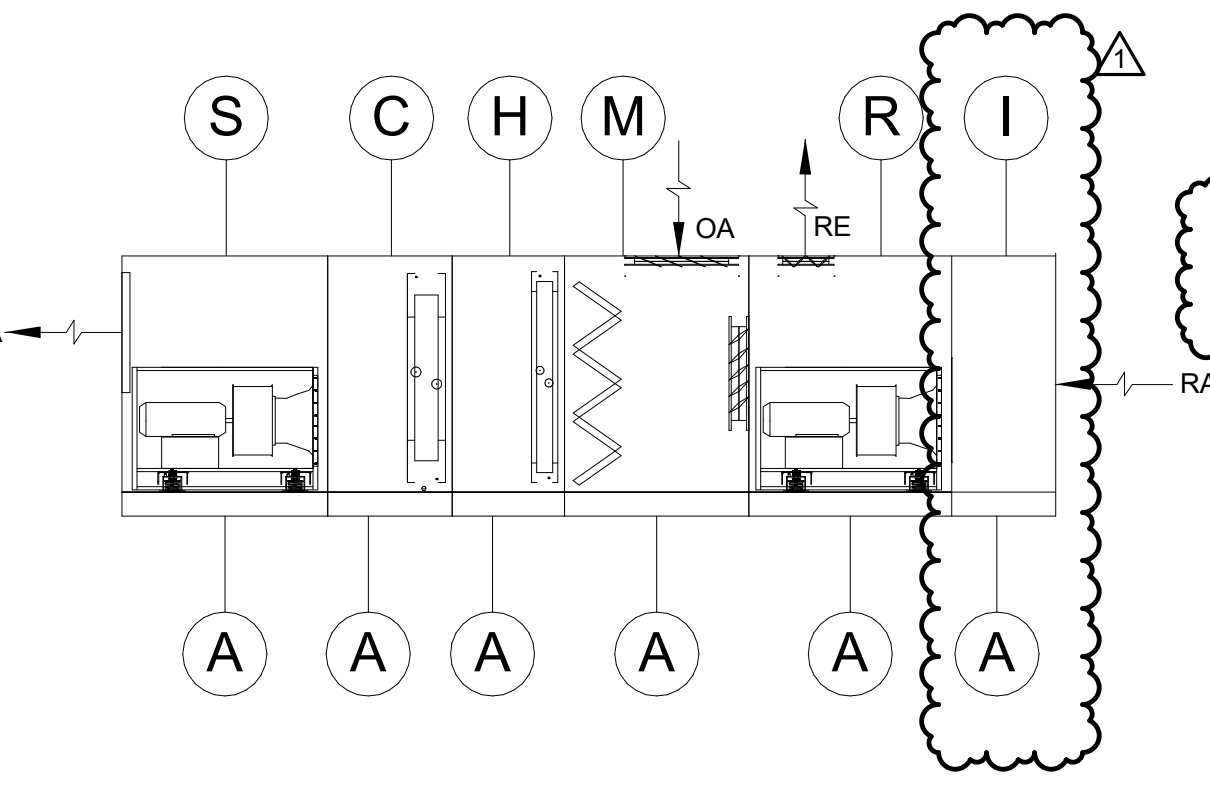
**AHU-1**



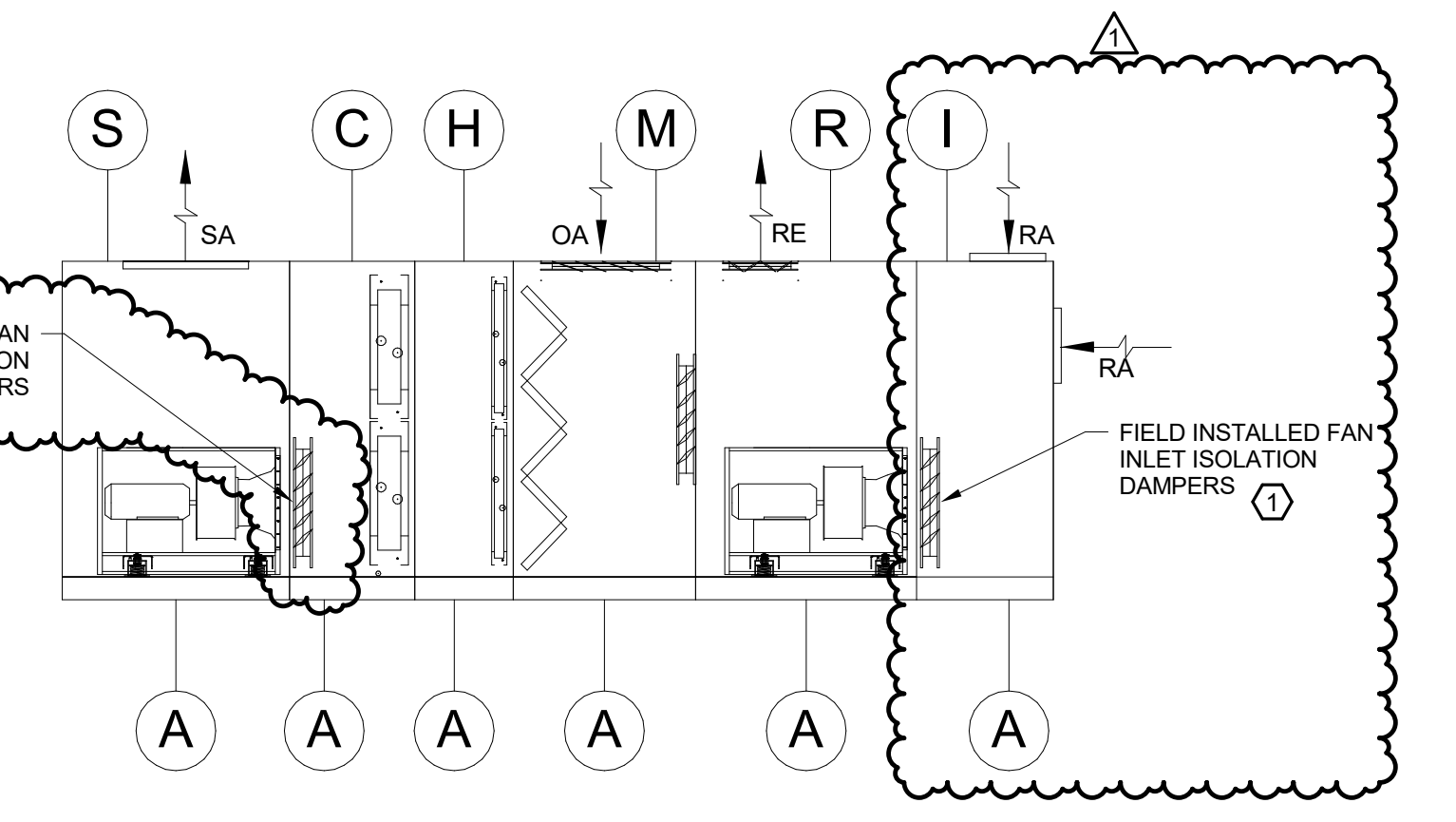
**AHU-2**



**AHU-3**



**AHU-4**



**AHU COMPONENT LEGEND:**

- (A) ACCESS
- (C) CHILLED WATER COOLING COIL
- (D) RECIRC DAMPER MIXING SECTION
- (F1) ANGLED FILTER SECTION
- (F2) FLAT FILTER SECTION
- (H) HOT WATER HEATING COIL
- (I) INLET AIR PLENUM SECTION
- (M) MIXING SECTION WITH ANGLED FILTERS
- (R) RETURN / EXHAUST FAN SECTION
- (S) SUPPLY FAN SECTION
- (T) TOTAL ENTHALPY FIXED MEMBRANE MODULE WITH BYPASS AND COLD-CORNER DEFROST DAMPERS

**NOTES:**

1. ALL CONNECTIONS AND ACCESS DOORS SHALL BE SAME SIDE OF THE UNIT. REFER TO AHU ENLARGED VIEWS FOR ACCESS SIDE.
2. ALL ACCESS DOORS OPENING WIDTH SHALL BE MINIMUM 18" INSIDE CLEAR.
3. PROVIDE AIR HANDLING UNITS WITH MINIMUM 6" INTEGRAL BASE RAILS.
4. AIR HANDLING UNITS SHALL BE CONNECTED TO DUCTWORK WITH FLEXIBLE CONNECTIONS.
5. REFER TO AHU SCHEDULE AND SPECIFICATIONS FOR MORE INFORMATION.



**AIR-COOLED CHILLER SCHEDULE (FURNISHED UNDER SEPARATE CONTRACT)**

					REFRIGERANT		CHILLED WATER				PERFORMANCE							ELECTRICAL			EVAPORATOR HEATER		PIPING HEAT TRACE		DIMENSIONS AND WEIGHT			
MARK	SERVICE	TYPE	MANUFACTURER / MODEL	TYPE	CHARGE (LBS)	CAPACITY (TONS)	FLOW (GPM)	MIN FLOW (GPM)	EWT (F)	LWT (F)	MAX WPD (FT H2O)	MIN. FL EER @ AHRI (BTU/HW)	MIN. IPLV @ AHRI (BTU/HW)	MIN. NPLV @ DESIGN (BTU/HW)	AMB. (F)	MAX. SOUND (dBA)	MCA (A)	MOCp (A)	VOLTAGE/ PHASE	REQ'D (Y OR N)	VOLTAGE/ PHASE	REQ'D (Y OR N)	VOLTAGE/ PHASE	FOOTPRINT (FT X FT)	HEIGHT (FT)	WEIGHT (LBS)	NOTES	
CH-1	BUILDING CHW LOOP	AIR-COOLED SCROLL	DAIKIN / AGZ006F	R-32	68	110	190	138	58	44	10	10.57	17.18	15.68	95	65	231	250	480/3	YES	120/1	YES	120/1	7.4 x 10.7	8.2	5,400	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15	
CH-2	BUILDING CHW LOOP	AIR-COOLED SCROLL	DAIKIN / AGZ006F	R-32	68	110	190	138	58	44	10	10.57	17.18	15.68	95	65	231	250	480/3	YES	120/1	YES	120/1	7.4 x 10.7	8.2	5,400	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15	

NOTES:

- CHILLER FURNISHED UNDER SEPARATE CONTRACT FOR INSTALLATION UNDER THIS CONTRACT. MECHANICAL CONTRACTOR SHALL OBTAIN FINAL PRE-PURCHASE EQUIPMENT SUBMITTAL FOR EQUIPMENT AND ACCESSORIES FURNISHED UNDER SEPARATE CONTRACT FOR INSTALLATION UNDER THIS CONTRACT. ALL EQUIPMENT, ACCESSORIES, WARRANTIES, ETC. NOT FURNISHED UNDER SEPARATE CONTRACT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNDER THIS CONTRACT.
- REFER TO SECTION 236426 FOR ADDITIONAL REQUIREMENTS FOR AIR-COOLED CHILLERS.
- PROVIDE HIGH EFFICIENCY CHILLER WITH MINIMUM SCHEDULED FULL LOAD EER & IPLV IN ACCORDANCE WITH AHRI 550/590. MINIMUM SCHEDULED NPLV AT DESIGN CONDITIONS INDICATED.
- CAPACITIES ARE BASED ON 0.00010 FOULING FACTORS FOR AIR-COOLED CHILLERS.
- SOUND PERFORMANCE IS BASED ON SOUND PRESSURE LEVELS MEASURED AT 30 FEET FROM UNIT AT FULL CAPACITY IN ACCORDANCE WITH AHRI 370.
- PROVIDE FACTORY INSTALLED CIRCUIT BREAKERS, ACROSS THE LINE START, AND SINGLE POINT ELECTRICAL CONNECTION.
- PROVIDE 20A DEDICATED CIRCUIT FOR EVAPORATOR HEATER FOR EACH CHILLER.
- PROVIDE 20A DEDICATED CIRCUIT FOR PIPING HEAT TAPE FOR EACH CHILLER.
- PROVIDE 20A DEDICATED CIRCUIT FOR CONTROLS FOR EACH CHILLER.
- PROVIDE WITH HEAT TRACING ON CHILLER BARREL AND PIPING.
- PROVIDE WITH WATER STRAINER; REFRIGERANT ISOLATION VALVES; FREEZE PROTECTION PACKAGE; PROGRAMMABLE RELAYS; SUPER-QUIET SOUND PACKAGE.
- PROVIDE CONCRETE PAD FOR OUTDOOR CHILLERS THAT IS 6-INCHES LONGER AND WIDER THAN UNIT FOOTPRINT AND 6-INCHES THICK WITH DOWNTURNED EDGES, 4-INCH DEEP CRUSHED STONE BASE AND 1" FULL PERIMETER CHAMFER. REFER TO STRUCTURAL DETAILS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE FACTORY INSTALLED WATER FLOW SWITCH AND EXTENDED 5 YR. COMPRESSOR WARRANTY.
- PROVIDE WITH OPEN PROTOCOL BACNET COMPLIANT CONTROLS INTERFACE FOR COMMUNICATION WITH BAS AS INDICATED ON CONTROLS DRAWINGS.
- PROVIDE WITH FULLY LOUVERED PANELS OVER ENTIRE UNIT.

**CONDENSING WATER BOILER SCHEDULE**

MARK	SERVICE	TYPE	MANUFACTURER / MODEL	HEATING WATER					BURNER										DIMENSIONS AND WEIGHT					NOTES
				EWT (F)	LWT (F)	DESIGN FLOW (GPM)	MINIMUM FLOW (GPM)	WPD (FT H2O)	PRIMARY FUEL		THERMAL EFF. (%)	FULL FIRE MIN. EFF. (%)	MIN. FIRE MIN. EFF. (%)	INPUT (MBH)	DESIGN OUTPUT (MBH)	ELECTRICAL			FOOTPRINT (IN x IN)	HEIGHT (IN)	EXHAUST FLUE VENT (IN DIA)	COMBUST. AIR DUCT (IN DIA)	WET WEIGHT (LBS)	
									PRIMARY FUEL TYPE (IN WC)	PRESSURE (IN WC)						MCA (A)	FLA (A)	VOLTAGE/ PHASE						
B-1	BUILDING HHW	S.S. FIRE-TUBE HX	LOCHINVAR / CREST FBN1501	110	140	100	36.0	10	NAT. GAS	4 to 14	96.2%	91.8%	94.1%	1,500	1412	13.0	10.0	120/1	68 x 30	78	8	8	2,400	1,2,3,4,5,6,7,8,9
B-2	BUILDING HHW	S.S. FIRE-TUBE HX	LOCHINVAR / CREST FBN1501	110	140	100	36.0	10	NAT. GAS	4 to 14	96.2%	91.8%	94.1%	1,500	1412	13.0	10.0	120/1	68 x 30	78	8	8	2,400	1,2,3,4,5,6,7,8,9

NOTES:

- REFER TO SECTION 235218 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE MOTOR-RATED DISCONNECT SWITCH.
- SCHEDULED EFFICIENCIES AT FULL FIRE AND MINIMUM FIRE ARE BASED ON DESIGN ENTERING WATER TEMPERATURE AS SCHEDULED.
- CAPACITY AND PRESSURE DROP IS BASED ON DESIGN FLOW RATE. CONTROL / TAB SHALL NOT ALLOW FLOW BELOW MINIMUM FLOW RATE PLUS A 15% SAFETY FACTOR.
- PROVIDE 4-INCH DEEP CONCRETE PAD THAT IS 4-INCHES LONGER AND WIDER THAN UNIT FOOTPRINT. REFER TO STRUCTURAL DETAILS.
- PROVIDE GAS REGULATOR AS REQUIRED FOR BOILER UTILIZATION PRESSURE. REGULATORS SHALL BE VENTED TO A SAFE LOCATION EXTERIOR TO THE BUILDING. VENTLESS REGULATORS WITH VENT LIMITERS ARE NOT ACCEPTABLE.
- PROVIDE BACnet COMPLIANT CONTROL INTERFACE.
- PROVIDE EACH BOILER WITH INDEPENDENT CONDENSATE DRAIN ACID NEUTRALIZATION SYSTEM. SYSTEM SIZING SHALL COMPLY WITH THE REQUIREMENTS AND RECOMMENDATIONS OF BOTH THE BOILER MANUFACTURER AND THE ACID NEUTRALIZATION SYSTEM MANUFACTURER.
- THERMAL EFFICIENCY IN ACCORDANCE WITH 10 CFR PART 431.

**AIR DISTRIBUTION SCHEDULE**

MARK	SERVICE	TYPE	MANUFACTURER / SERIES	MATERIAL	COLOR	PATTERN	MAX. AIR FLOW (CFM)	FACE SIZE (IN x IN)	NECK SIZE (IN x IN)	APD (IN WG)	MAX. SOUND (NC)	NOTES
S1	SUPPLY	SQUARE LOUVER FACE	TITUS TMSA	STEEL	WHITE	360-DEG.	100	24 x 24	6	0.08	20	1,2,3,4,5,6,7
S2							200	24 x 24	8	0.08		
S3							325	24 x 24	10	0.10		
S4							500	24 x 24	12	0.10		
S5							675	24 x 24	14	0.10		
S6							100	12 x 12	6	0.10		
S7	SUPPLY	AIRFOIL BLADE GRILLE	TITUS 272	STEEL	WHITE	90 DEG.	150	10 x 8	8 x 6	0.10	20	1,2,3,4,5,6,7
R1 / E1	RETURN/EXHAUST	SQUARE PERFORATED FACE	TITUS PAR	STEEL	WHITE	N/A	200	24 x 24	8	0.10	20	1,2,3,4,5,6,7
R2 / E2							325	24 x 24	10	0.10		
R3 / E3							450	24 x 24	12	0.10		
R4 / E4							600	24 x 24	14	0.10		
R5 / E5							800	24 x 12	22 x 10	0.10		
R6 / E6							1,300	24 x 24	22 x 22	0.10		
R7 / E7	RETURN/EXHAUST	STANDARD BLADE GRILLE	TITUS 350RL	STEEL	WHITE	N/A	200	12 x 12	8	0.10	20	1,2,3,4,5,6,7
R8 / E8							200	12 x 8	10 x 6	0.10		
R9 / E9							1,300	26 x 18	24 x 16	0.10		
R10 / E10	RETURN/EXHAUST	HEAVY-DUTY BLADE GRILLE	TITUS 30RL	STEEL	WHITE	N/A	6,700	62 X 38	60 X 36	0.10	30	1,2,3,4,5,6,7

NOTES:

- REFER TO SECTION 233713 FOR ADDITIONAL REQUIREMENTS.
- SOUND LEVELS SHALL BE BASED ON ASHRAE 70.
- VERIFY MOUNTING FRAME STYLE WITH ARCHITECTURAL REFLECTED CEILING PLANS AND FINISH SCHEDULES.
- DUCT BRANCH FROM MAIN TAKEOFF TO AIR INLET / OUTLET SHALL MATCH SCHEDULED NECK SIZE UNLESS OTHERWISE NOTED.
- DESIGN INCLUDES DUCT-MOUNTED VOLUME DAMPERS FOR ALL DEVICES. INTEGRAL DAMPERS ADJUSTABLE AT THE DEVICE FACE ARE PROHIBITED.
- PROVIDE PRIMED-FOR-PAINT FINISH FOR DIFFUSERS AND GRILLES IN SPACES WITH EXPOSED STRUCTURE CEILINGS AND/OR MOUNTED TO EXPOSED DUCT.
- PROVIDE ALUMINUM CONSTRUCTION FOR HUMID AREAS INCLUDING MAIN KITCHEN AND DISHWASHER AREAS, TOILET ROOMS, LOCKER ROOMS, AND MECHANICAL SPACES.

**LIFE-SAFETY PENETRATION SCHEDULE**

ASSEMBLY AND PENETRATION TYPE	F RATING (HR)	U. L. DETAIL SYSTEM NUMBER
CONCRETE FLOORS	INSULATED METAL PIPES	1 or 2 CAJ-5061, CAJ-5090, CAJ-5091, CAJ-5096, CAJ-5277
		3 CAJ-5061, CAJ-5090
	UNINSULATED METAL PIPES OR CONDUITS	1 or 2 CAJ-1226, CAJ-1155, CAJ-1380, CAJ-1575, FA-1028
		4 CBJ-1037
	UNINSULATED NON-METAL PIPES OR CONDUITS	1 or 2 CAJ-2109, CAJ-2407, CAJ-2567, CAJ-2831
	UNINSULATED METAL DUCTWORK WITHOUT DAMPERS	1 or 2 CAJ-7029, CAJ-7084
	CABLES	1 or 2 CAJ-3095, CAJ-3210, CAJ-3239
	CABLE TRAYS	1 or 2 CAJ-4034, CAJ-4035, CAJ-4083
		4 CAJ-4107
	INSULATED METAL PIPES	1 or 2 CAJ-5061, CAJ-5090, CAJ-5091, CAJ-5096, CAJ-5277
CONCRETE/MASONRY WALLS		4 WJ-5028
	UNINSULATED METAL PIPES OR CONDUITS	1 or 2 CAJ-1226, CAJ-1155, CAJ-1380, CAJ-1575
		4 CAJ-1630
	UNINSULATED NON-METAL PIPES OR CONDUITS	1 or 2 CAJ-2109, CAJ-2407, CAJ-2567, CAJ-2831
	INSULATED METAL DUCTWORK WITHOUT DAMPERS	1 or 2 CAJ-7145, WJ-7091, WJ-7112
	UNINSULATED METAL DUCTWORK WITHOUT DAMPERS	1 or 2 CAJ-7029, WJ-7109, WJ-7021
		3 CAJ-7192
	CABLES	1 or 2 CAJ-3095, CAJ-3180, WJ-3036
	CABLE TRAYS	1 or 2 CAJ-4034, CAJ-4035, CAJ-4083
		4 CAJ-4107
GYPSUM WALL BOARD	INSULATED METAL PIPES	1 or 2 WL-5046, WL-5047, WL-5096
		4 WL-5073
	UNINSULATED METAL PIPES OR CONDUITS	1 or 2 WL-1164, WL-1205, WL-1465
	UNINSULATED NON-METAL PIPES OR CONDUITS	1 or 2 WL-2084, WL-2341, WL-2649
	UNINSULATED METAL DUCTWORK WITHOUT DAMPERS	1 or 2 WL-7151, WL-7156
	UNINSULATED METAL DUCTWORK WITHOUT DAMPERS	1 or 2 WL-7155, WL-7213, WL-7250
	CABLES	1 or 2 WL-3065, WL-3111, WL-3161
	CABLE TRAYS	1 or 2 WL-4011, WL-4019, WL-4081

NOTES:

- REFER TO SECTION 230500 FOR MORE INFORMATION.
- SELECT UL LISTED PENETRATION DETAIL MATCHING THE PENETRATION CONDITIONS.
- SUBMIT AN APPROPRIATE DETAIL FOR ENGINEER REVIEW IF THE PROJECT CONDITIONS ARE NOT REPRESENTED ABOVE.

**PUMP SCHEDULE**

MARK	SERVICE	TYPE	MANUFACTURER / MODEL	FLOW (GPM)	REVISED HEAD (FT H2O)	EFF. (%)	PUMP SPEED (RPM)	BRAKE MOTOR (HP)	NOMINAL MOTOR (HP)	VOLTAGE/ PHASE	STARTER/ DSCNNCT MEANS	NOTES
PCHWP-1	PRIMARY CHW	SEPARATELY-COUPLED IN-LINE	BELL & GOSSETT / E80SC 3x3x7C	190	35	75%	1750	2.3	3	480/3	MS/D	1,2,3,4,5,6,7
PCHWP-2	PRIMARY CHW	SEPARATELY-COUPLED IN-LINE	BELL & GOSSETT / E80SC 3x3x7C	190	35	75%	1750	2.3	3	480/3	MS/D	1,2,3,4,5,6,7
SCHWP-1	SECONDARY CHW	SEPARATELY-COUPLED IN-LINE	BELL & GOSSETT / E80SC 4x4x11B	380	70	73%	1598	9.2	15	480/3	VFD	1,2,3,4,5,6,7
SCHWP-2	SECONDARY CHW	SEPARATELY-COUPLED IN-LINE	BELL & GOSSETT / E80SC 4x4x11B	380	70	73%	1598	9.2	15	480/3	VFD	1,2,3,4,5,6,7
PHWP-1	PRIMARY HW	CLOSE-COUPLED IN-LINE	BELL & GOSSETT / E80 2.5x2.5x7B	100	30	68%	1750	1.1	1.5	480/3	MS/D	1,2,3,4,5,6
PHWP-2	PRIMARY HW	CLOSE-COUPLED IN-LINE	BELL & GOSSETT / E80 2.5x2.5x7B	100	30	68%	1750	1.1	1.5	480/3	MS/D	1,2,3,4,5,6
SHWP-1	SECONDARY HW	SEPARATELY-COUPLED IN-LINE	BELL & GOSSETT / E80SC 3x3x9.5C	200	65	70%	1663	4.6	7.5	480/3	VFD	1,2,3,4,5,6,7
SHWP-2	SECONDARY HW	SEPARATELY-COUPLED IN-LINE	BELL & GOSSETT / E80SC 3x3x9.5C	200	65	70%	1663	4.6	7.5	480/3	VFD	1,2,3,4,5,6,7
PHGP-1	AHU-2 PH COIL	CLOSE-COUPLED IN-LINE	BELL & GOSSETT / E80 1.25x1.25x8B	25	22	56%	1725	0.5	0.5	120/1	MS/D	1,3,4,5,6

NOTES:

- REFER TO SECTION 232123 FOR ADDITIONAL REQUIREMENTS.
- PUMPS OPERATING IN PARALLEL SHALL BE SELECTED FOR PARALLEL OPERATION.
- PROVIDE STARTING AND DISCONNECTING MEANS AS SCHEDULED. (MRS = MOTOR RATED SWITCH; MS/D = COMBINATION MOTOR-STARTER AND DISCONNECT; AND VFD = VARIABLE FREQUENCY DRIVE)
- PUMPS MOTOR SELECTION SHALL BE BASED ON NON-OVERLOADING SERVICE.
- PUMPS SUBMITTED BY MANUFACTURER OTHER THAN LISTED SHALL HAVE SIMILAR CURVES AS THOSE SPECIFIED.
- REFER TO DETAILS FOR ADDITIONAL INFORMATION.
- PROVIDE 4-INCH DEEP CONCRETE PAD. REFER TO STRUCTURAL DETAILS.

**EXPANSION TANK SCHEDULE**

MARK	SERVICE	TYPE	MANUFACTURER / MODEL	EXPANSION TANK			HYDRONIC SYSTEM		DIMENSIONS AND WEIGHT			NOTES
				TOTAL VOLUME (GALLONS)	ACCEPT. VOLUME (GALLONS)	CHARGE PRESSURE (PSIG)	MAKEUP PRESSURE (PSIG)	RELIEF PRESSURE (PSIG)	INLET SIZE (IN DIA)	DIMENSIONS (IN DIA x IN)	WEIGHT (LBS)	
XT-1	CHILLED WATER	BLADDER	BELL & GOSSETT / B-100	26	26	21	22	50	0.75	20"Ø x 31"	320	1.2
XT-2	HEATING WATER	BLADDER	BELL & GOSSETT / B-500	132	132	21	22	50	0.75	30"Ø x 57"	1,435	1.2

NOTES:

- REFER TO SECTION 232116 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 4-INCH DEEP CONCRETE PAD. REFER TO STRUCTURAL DETAILS.

**AIR SEPARATOR SCHEDULE**

MARK	SERVICE	TYPE	MANUFACTURER / MODEL	WATER FLOW (GPM)	MAX. WPD (FT H2O)	DIMENSIONS (IN DIA x IN)	INLET SIZE (IN DIA)	OPERATING WEIGHT (LBS)	NOTES
AS-1	CHILLED WATER	TANGENTIAL	B&G ROLAIRTROL / R-6	380	2	18"Ø x 44"	6	580	1,2,3
AS-2	HEATING WATER	TANGENTIAL	B&G ROLAIRTROL / R-4	200	2	13"Ø x 32"	4	280	1,2,3

NOTES:

- REFER TO SECTION 232116 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE MANUAL BLOWDOWN VALVE.
- PROVIDE AUTOMATIC AIR VENT.

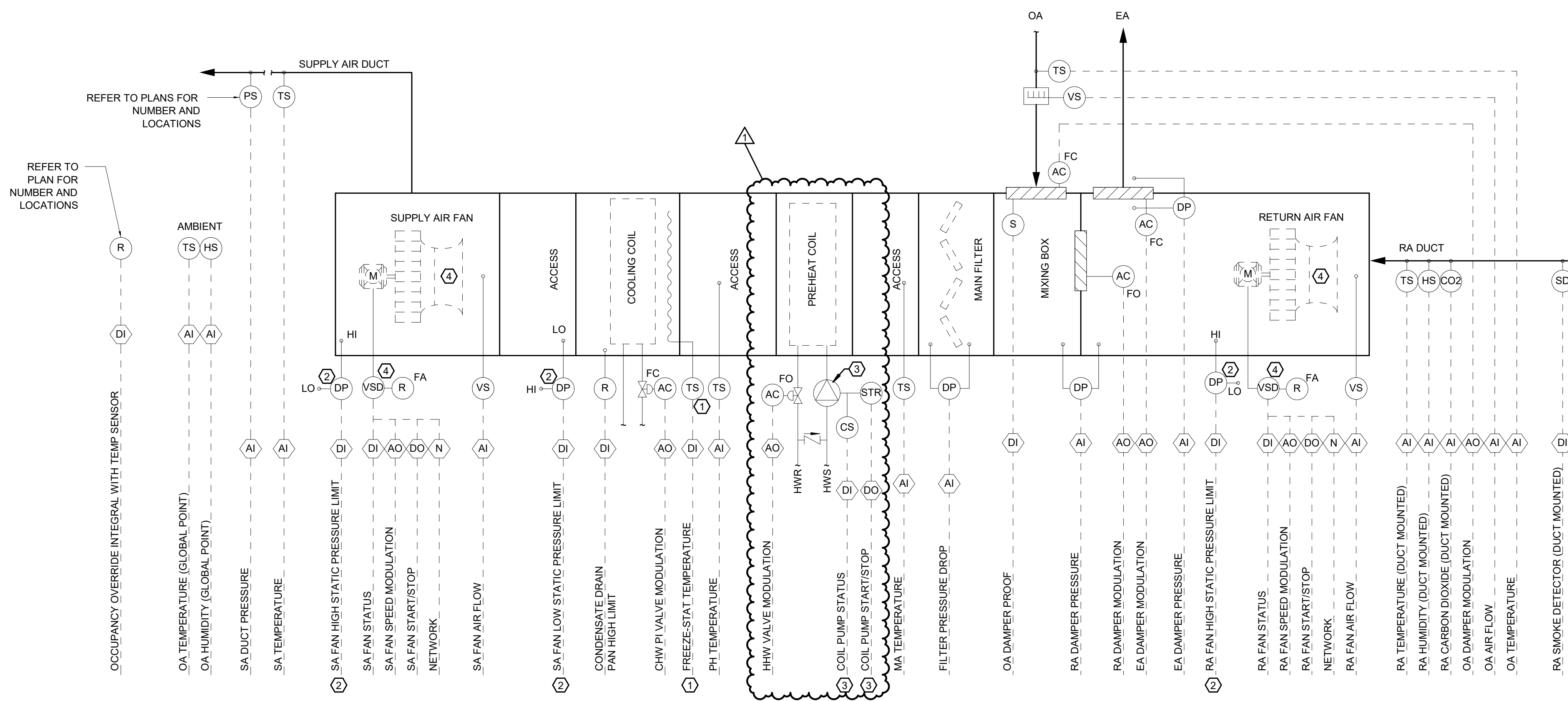






**KEYNOTES:**

- HARDWIRE FREEZE/STAT TO SA AND RA FAN.
- HARDWIRE FAN HIGH OR LOW STATIC LIMIT SWITCHES TO ASSOCIATED FANS.
- PREHEAT COIL AT AHU-2 ONLY.
- AHU-4 EQUIPPED WITH TWO SUPPLY FANS AND TWO RETURN FANS, EACH WITH DEDICATED VFD. REFER TO EQUIPMENT SCHEDULE AND FINAL PRE-PURCHASER EQUIPMENT SUBMITTAL.



VAV AHU WITH RETURN FAN CONTROL DIAGRAM (AHU-2, AHU-3, AHU-4)

**VFD INTERFACE MATRIX**

POINT NAME	HARDWIRED	INTERFACE COM CARD	POINT DISPLAYED ON GUI
VFD COMMAND START/STOP	X	X	HARDWIRED
VFD SPEED COMMAND (%)	X	X	HARDWIRED
FAN/PUMP STATUS (VIA VFD)	X	X	HARDWIRED
VFD SPEED FEEDBACK (Hz)		X	COM
FAN/PUMP ALARM (COMMAND/STATUS MISMATCH)		X	COM
VFD FAULT STATUS		X	COM
VFD FAULT RESET		X	COM
VFD POWER (KW)		X	COM
TIME STAMP		X	COM

- NOTES:**
- PROVIDE DIRECT INTERFACE TO VFD. MAP ALL AVAILABLE POINTS TO THE BAS. HARDWIRED INDICATED POINTS. DISPLAY HARDWIRED POINTS AND VFD ALARMS ON EQUIPMENT GRAPHIC. ALL OTHER (INTERFACE) POINTS MAY BE DISPLAYED ON A GRAPHIC.
  - FOR FAN ARRAYS, PROVIDE FAN STATUS FOR EACH FAN.

**VAV AHU WITH RETURN AIR FAN CONTROL**

**DESCRIPTION:** VARIABLE VOLUME AIR HANDLING UNITS WITH RETURN AIR FANS, CHILLED WATER COILS AND HEATING WATER COILS. THESE AIR HANDLING UNITS SERVING MULTIPLE TEMPERATURE CONTROL ZONES, EACH WITH A TERMINAL UNIT.

**A. OPERATIONAL MODES**

- OCCUPIED MODE:** SWITCH TO OCCUPIED MODE BASED ON OCCUPANCY SCHEDULE.
- UNOCCUPIED MODE:** SWITCH TO UNOCCUPIED MODE BASED ON OCCUPANCY SCHEDULE. CYCLE ON BASED ON 10% REQUESTS FOR ZONE HEATING AND COOLING AND RUN FOR 30 MINUTES MINIMUM. CYCLE OFF BASED ON SATISFYING 95% OF ZONES.
- PRE-OCCUPIED MODE:** SWITCH TO PRE-OCCUPIED (WARM-UP / COOL-DOWN) MODE BASED ON THE OCCUPANCY SCHEDULE AND AN INTERVAL DERIVED FROM BAS OPTIMIZATION LOGIC THAT USES THE SYSTEM'S HISTORY OF OUTSIDE AIR TEMPERATURES VERSUS TIME NEEDED TO SATISFY 95% OF THE OCCUPIED ZONE TEMPERATURE SET POINTS. OPTIMIZATION LOGIC SHALL HAVE A DEFAULT VALUE OF 2 HOURS.
- SHUTDOWN MODE:** SWITCH TO SHUTDOWN MODE BASED ON AUTOMATIC SAFETY FUNCTION, REMOTE OVERRIDE, OR MANUAL OVERRIDE CONTROL.

**B. OVERRIDE MODES**

- MANUAL OVERRIDE MODE:** SWITCH TO OCCUPIED MODE BASED ON MANUAL ACTIVATION OF ANY ONE OCCUPANT OVERRIDE SWITCH LOCATED ON SPACE TEMPERATURE SENSOR(S). SWITCH BACK TO OCCUPIED, UNOCCUPIED OR PRE-OCCUPIED MODE BASED ON OCCUPANCY SCHEDULE WHEN OVERRIDE TIME OF 60 MINUTES EXPIRES.
- REMOTE OVERRIDE MODE:** SWITCH TO OCCUPIED, UNOCCUPIED OR PRE-OCCUPIED MODE BASED ON BAS OPERATOR COMMAND. SWITCH BACK TO OCCUPIED, UNOCCUPIED OR PRE-OCCUPIED MODE BASED ON OCCUPANCY SCHEDULE WHEN OVERRIDE IS REMOVED.

**C. VERIFICATION MODES**

- CHILLED WATER PLANT:** ENABLE ASSOCIATED COOLING SEQUENCES UPON VERIFICATION CHILLED WATER IS AVAILABLE.
- HEATING WATER PLANT:** ENABLE ASSOCIATED HEATING SEQUENCES UPON VERIFICATION HEATING WATER IS AVAILABLE.

**D. TEMPERATURE CONTROL MODES**

- COOLING MODE:** WHEN AHU IS IN COOLING OR ECONOMIZER COOLING MODES, INITIATE AHU COOLING.
- HEATING MODE:** WHEN AHU IS IN HEATING MODE, INITIATE AHU HEATING.

**E. DEHUMIDIFICATION MODE**

- UPON A RISE IN HUMIDITY LEVEL ABOVE 56% (ADJ.) AND UNTIL RELATIVE HUMIDITY DROPS TO 50% (ADJ.), AS SENSED BY THE RETURN DUCT HUMIDITY SENSOR, THE COOLING COIL CONTROL VALVE SHALL MODULATE TO PROVIDE 50F DISCHARGE AIR TEMPERATURE. THE UNIT FAN SPEED, TERMINAL BOX POSITION AND REHEAT COIL CONTROL VALVE SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE 1 DEG LOWER THAN COOLING SETPOINT. IN UNOCCUPIED MODE, UPON A RISE IN HUMIDITY LEVEL ABOVE 60% (ADJ.) AT ANY ASSOCIATED ZONE SPACE SENSOR, AND UNTIL RELATIVE HUMIDITY DROPS TO 55% (ADJ.) AT ALL ASSOCIATED ZONE SPACE SENSORS, UNIT SHALL BE IN DEHUMIDIFICATION MODE.

**F. ENERGY CONSERVATION MODES**

- ECONOMIZER MODE:** IF OA ENTHALPY IS LESS THAN RA ENTHALPY AND OA TEMPERATURE IS LESS THAN 65F (ADJ.), ENABLE "FREE COOLING". DISABLE VENTILATION DEMAND CONTROL WHEN ECONOMIZER MODE IS ACTIVE. MONITOR MIXED AIR TEMP TO MAINTAIN A SET POINT OF 55F (ADJ.). IF MIXED AIR TEMP DROPS BELOW 53F (ADJ.) WHEN OUTSIDE AIR TEMPERATURE IS BELOW 55F (ADJ.), MODULATE OUTSIDE AIR DAMPER BACK TOWARD DEMAND CONTROL MINIMUM VENTILATION AIRFLOW. AT DEMAND CONTROL MINIMUM VENTILATION AIRFLOW, SWITCH OUT OF ECONOMIZER CONTROL. WHEN OUTSIDE AIR TEMP IS LESS THAN 60F (ADJ.), AND ECON DAMPERS ARE AT 100%, MECHANICAL COOLING SHALL BE ALLOWED TO OPERATE TO MAINTAIN LEAVING AIR TEMPERATURE SETPOINT. IF RA HUMIDITY RISES ABOVE SETPOINT, MODULATE OUTSIDE AIR DAMPER BACK TOWARD DEMAND CONTROL MINIMUM VENTILATION AIRFLOW. AT DEMAND CONTROL VENTILATION AIRFLOW, SWITCH OUT OF ECONOMIZER CONTROL.
- DEMAND CONTROL VENTILATION (DOES NOT APPLY TO AHU-1):** MONITOR CO2 LEVELS IN RA. IF THE RETURN AIR CO2 RISES TO 900 PPM (500PPM ABOVE AMBIENT 400PPM), OA VENTILATION SHALL BE INCREASED FROM THE DEMAND CONTROL MINIMUM VENTILATION AIR FLOW IN 25% INCREMENTS (ADJ.) EVERY 15 MINUTES (ADJ.) TOWARD THE DESIGN MAX VENTILATION AIRFLOW UNTIL THE CO2 LEVEL DROPS BELOW THE SEPOINT.

**G. SUPPLY AIR FAN CONTROL**

- OCCUPANCY MODES:** START (TIME DELAY) UPON INITIATION OF PRE-OCCUPIED MODE AND CONTINUE TO RUN THROUGHOUT OCCUPIED MODE. SA FAN VFD SHALL MODULATE SPEED TO MAINTAIN DUCT STATIC PRESSURE SET POINT(S). STOP UPON INITIATION OF UNOCCUPIED MODE AND CYCLE ON (TIME DELAY) AND OFF THROUGHOUT UNOCCUPIED MODE BASED ON HEATING / COOLING DEMAND.
- SHUTDOWN MODE:** STOP SUPPLY AND RETURN FANS UPON INITIATION OF SHUTDOWN.

**H. DUCT STATIC PRESSURE SET POINT RESET CONTROL:**

RESET DUCT STATIC PRESSURE SET POINT(S) HIGHER OR LOWER BETWEEN MAXIMUM AND MINIMUM SET POINTS BASED ON BAS OPTIMIZATION LOGIC THAT USES THE TERMINAL UNIT AIR DAMPER POSITIONS. SET POINT(S) SHALL BE INCREASED TO MAINTAIN ALL DAMPERS AT LESS THAN 95% OPEN. SET POINT(S) SHALL BE DECREASED TO MAINTAIN MINIMUM OF ONE DAMPER AT NO LESS THAN 90% OPEN. INITIAL AND MINIMUM SET POINTS SHALL BE RECOMMENDED BY THE TAB CONTRACTOR AND APPROVED BY THE ENGINEER. MAXIMUM SET POINTS SHALL BE EQUAL TO THE INITIAL SET POINTS PLUS 0.50 INCHES WG. RESET SET POINT IN 15 MINUTE INCREMENTS.

**I. RETURN FAN CONTROL:** WHENEVER THE FAN IS ENERGIZED AND THE UNIT IS OPERATING IN THE OCCUPIED MODE, BAS SHALL CONTROL THE SPEED OF THE VFD BASED ON A TRACKING ALGORITHM AS DEFINED BELOW.

**1. TAB CONTRACTOR SHALL DETERMINE THE FOLLOWING 4 VALUES:**

- SUPPLY FAN MAX:** THE SPEED AT WHICH THE SUPPLY FAN WILL TYPICALLY OPERATE WHEN ALL CONNECTED TERMINAL UNITS ARE AT THEIR MAXIMUM FLOW SETPOINTS
- SUPPLY FAN MIN:** THE SPEED AT WHICH THE SUPPLY FAN WILL TYPICALLY OPERATE WHEN ALL CONNECTED TERMINAL UNITS ARE AT THEIR MINIMUM FLOW SETPOINTS
- RETURN FAN MAX:** THE SPEED AT WHICH THE RETURN FAN WILL TYPICALLY NEED TO OPERATE WHEN ALL CONNECTED TERMINAL UNITS ARE AT THEIR MAXIMUM FLOW SETPOINTS
- RETURN FAN MIN:** THE SPEED AT WHICH THE RETURN FAN WILL TYPICALLY NEED TO OPERATE WHEN ALL CONNECTED TERMINAL UNITS ARE AT THEIR MINIMUM FLOW SETPOINTS

**2. THE BAS SHALL MODULATE THE RETURN FAN SPEED AS FOLLOWS:**

- WHEN THE SPEED OF THE SUPPLY FAN IS LESS THAN THE SUPPLY FAN MIN VALUE, THE RETURN FAN SPEED SHALL BE THE OUTPUT OF A LINEAR RESET LOOP THAT IS RESET FROM 0% TO THE RETURN FAN MIN VALUE AS THE SUPPLY FAN SPEED INCREASES FROM 0% TO THE SUPPLY FAN MIN VALUE.
- WHEN THE SPEED OF THE SUPPLY FAN IS GREATER THAN THE SUPPLY FAN MIN VALUE BUT NOT GREATER THAN THE SUPPLY FAN MAX VALUE, THE RETURN FAN SPEED SHALL BE THE OUTPUT OF A LINEAR RESET LOOP THAT IS RESET FROM THE RETURN FAN MIN VALUE TO THE RETURN FAN MAX VALUE AS THE SUPPLY FAN SPEED INCREASES FROM THE SUPPLY FAN MIN VALUE TO THE SUPPLY FAN MAX VALUE.
- WHEN THE SPEED OF THE SUPPLY FAN IS GREATER THAN THE SUPPLY FAN MAX VALUE, THE RETURN FAN SPEED SHALL BE THE OUTPUT OF A LINEAR RESET LOOP THAT IS RESET FROM THE RETURN FAN MAX VALUE TO 100% AS THE SUPPLY FAN SPEED INCREASES FROM THE SUPPLY FAN MAX VALUE TO 100%. NOTE THAT THIS STAGE WILL NOT APPLY IF SUPPLY FAN MAX VALUE OR THE RETURN FAN MAX VALUE EQUALS 100%. THE RETURN FAN SPEED SHALL BE LIMITED SO THAT IT IS NEVER COMMANDED TO A SPEED THAT IS ABOVE OR 20% (ADJ.) BELOW THE SPEED OF THE SUPPLY FAN.

**3. ON START AND STOP, THE VFD SHALL RAMP TO SPEED AND SLOW DOWN WITHIN ADJUSTABLE ACCELERATION AND DECELERATION LIMITS.**

**4. DURING UNOCCUPIED MODE OF OPERATION, THE RETURN FAN SPEED SHALL BE SET TO THE SAME AS THE SUPPLY FAN SPEED.**

**J. DAMPER CONTROL:**

**1. HEATING OR COOLING:**

- MODULATE OA DAMPER TO MAINTAIN OA FLOW SET POINT AS SENSED BY AIRFLOW MONITORING STATION UPON INITIATION OF OCCUPIED MODE. OA DAMPER CONTROL SHALL NOT BE ENABLED UNTIL 5 MINUTES (ADJ.) AFTER SUPPLY FAN STATUS HAS BEEN PROVEN ON.
- MODULATE RA DAMPER TO MAINTAIN PRESSURE DIFFERENTIAL SET POINT OF +0.050-INCHES WG AS SENSED BY THE DIFFERENTIAL PRESSURE SENSOR INSTALLED ACROSS THE RETURN DAMPER.
- WHEN RELIEF AIR IS REQUIRED, MODULATE RELIEF AIR DAMPER BETWEEN 0% AND 100% OPEN TO MAINTAIN PRESSURE DIFFERENTIAL SET POINT RANGE -0.075 TO +0.125 INCHES WG AS SENSED BY THE DIFFERENTIAL PRESSURE SENSOR INSTALLED ACROSS THE RELIEF DAMPER.

**2. ECONOMIZER:**

- MODULATE OA, RA & EA DAMPERS IN COORDINATION WITH A PID LOOP TO MAINTAIN MIXED AIR TEMPERATURE SETPOINT. ECONOMIZER LOGIC SHALL REMAIN ENABLED DURING SETBACK COOLING, WHERE APPLICABLE. THE DAMPERS SHALL MODULATE OPEN PER THE HIGHER OF THE ECONOMIZER PID LOOP OUTPUT AND:
  - MINIMUM OA FLOW CONTROL OUTPUT (FOR OA & RA DAMPERS ONLY)
  - RELIEF CONTROL OUTPUT (FOR EA DAMPER)

**3. DEMAND CONTROL VENTILATION:**

- LINEARLY RESET THE ACTIVE OA AIRFLOW SETPOINT FROM DEMAND CONTROL MINIMUM VENTILATION AIRFLOW TO DESIGN MAXIMUM VENTILATION AIRFLOW BASED ON DIFFERENCE BETWEEN INDOOR AND BACKGROUND (400 PPM) CO2 LEVELS. WHEN ECONOMIZER IS ENABLED, IT SHALL HAVE PRIORITY OVER THE DAMPER POSITION AND CO2 CONTROL SHALL NOT BE ACTIVE.
- THE MINIMUM OA REQUIREMENTS SHALL BE SPECIFIED BY THE ENGINEER (REFER TO AHU SCHEDULE). DAMPER POSITIONS ESTABLISHED BY THE AIR BALANCER, AND BAS PROGRAMMED BY THE BAS CONTRACTOR/ENGINEER SHALL ENSURE THAT SPECIFIED MINIMUM SETPOINTS ARE ADEQUATE TO MAINTAIN BUILDING PRESSURE SLIGHTLY POSITIVE AT ALL TIMES.

**4. UNOCCUPIED / PRE-OCCUPIED MODE:**

- CLOSE OUTSIDE AIR DAMPER AND RELIEF AIR DAMPER AND OPEN RETURN AIR DAMPER TO 100%, UNLESS ECONOMIZER IS FAVORABLE.

**5. SHUTDOWN:**

- SET DAMPERS TO THEIR NORMAL POSITION AS FOLLOWS:
  - RETURN DAMPER - OPEN
  - RELIEF DAMPER - FAIL IN PLACE
  - OUTSIDE DAMPER - CLOSED

**K. CHILLED WATER COIL CONTROL (FAIL CLOSED):**

- ON A RISE IN DISCHARGE SUPPLY AIR TEMPERATURE ABOVE SETPOINT MODULATE COOLING COIL OPEN TO MAINTAIN SETPOINT OF 55F.
- IF OUTSIDE AIR TEMP IS BELOW 55F (ADJ.), DISABLE COOLING COIL.

**L. HEATING WATER PREHEAT COIL CONTROL (FAIL OPEN)**

- ON A DROP IN DISCHARGE SUPPLY AIR TEMPERATURE BELOW SETPOINT MODULATE HEATING COIL OPEN TO MAINTAIN SETPOINT OF 55F.
- IF OUTSIDE AIR TEMP IS ABOVE 50F (ADJ.), DISABLE PREHEAT COIL.

**M. PREHEAT COIL PUMP CONTROL (AHU-2 ONLY)**

- START PUMP WHEN ENTERING AIR TEMPERATURE DROPS BELOW 40°F.
- STOP PUMP WHEN EAT RISES ABOVE 44°F.
- ALARM BAS WHEN PREHEAT COIL PUMP FAILS TO OPERATE 2 MINUTES AFTER COMMAND TO START.

**N. AIR FILTER STATUS CONTROL:** ALARM BAS WHEN PRESSURE DROP ACROSS FILTER BANK IS GREATER THAN SET POINT OF 1.75-INCH W.G. (ADJ.)

**O. TERMINAL BOX CONTROL**

- OCCUPANCY MODES:** ENABLE TERMINAL BOX CONTROL UPON INITIATION OF PRE-OCCUPIED MODE AND CONTINUE THROUGH OCCUPIED MODE. DISABLE UPON INITIATION OF UNOCCUPIED MODE AND ENABLE / DISABLE THROUGHOUT UNOCCUPIED MODE BASED ON HEATING / COOLING DEMAND.
- SHUTDOWN MODE:** DISABLE TERMINAL BOX CONTROL.

**P. SAFETY & SHUTDOWN:**

- SMOKE DETECTION CONTROL:** INITIATE AHU SHUTDOWN MODE AND ALARM BAS WHEN FIRE ALARM SYSTEM SENDS SIGNAL BASED ON SMOKE AT ANY ONE OF THE DUCT-MOUNTED SMOKE DETECTORS OR BASED ON A GENERAL BUILDING ALARM.
- FREEZE PROTECTION:** INITIATE FREEZE PROTECTION MODE AND ALARM BAS WHEN SA DISCHARGE TEMPERATURE DROPS BELOW 42F (ADJ.). AUTOMATICALLY RESET WHEN SA DISCHARGE TEMPERATURE RISES ABOVE 47F (ADJ.).
- FREEZE SHUTDOWN:** HARD-WIRE TO AHU FAN RELAYS, INITIATE AHU SHUTDOWN MODE, AND ALARM BAS WHEN ENTERING AIR TEMPERATURE AT CHILLED WATER COIL FACE DROPS BELOW 37F (ADJ.) AT ANY 12-INCH SECTION OF THE SENSOR PROBE. MANUALLY RESET. OPEN ALL COIL CONTROL VALVES.
- CONDENSATE LEVEL SHUTDOWN CONTROL:** INITIATE AHU SHUTDOWN MODE AND ALARM BAS WHEN CONDENSATE DRAIN PAN HIGH-LEVEL SWITCH INDICATES HIGH-LEVEL.
- FAN PROTECTION CONTROL:** STOP FANS, INITIATE AHU SHUTDOWN MODE, AND ALARM BAS WHEN ANY OF THE HIGH OR LOW PRESSURE SWITCHES ARE TRIPPED.
- GENERAL ALARMS CONTROL:** ALARM BAS OF THE FOLLOWING CONDITIONS:
  - FAN FAILURES
  - FAILURES TO MEET SET POINT TEMPERATURES WITHIN 15 MINUTES (ADJ.)





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PROJECT INFORMATION



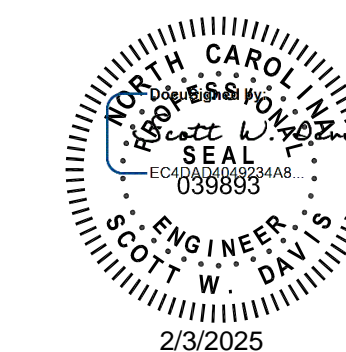
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PROJECT INFORMATION

ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 561 S. Goldsboro, NC 27530

SEALS



DKA JOB NUMBER

2401

DEWBERRY NUMBER

50171439

REVISIONS

1 Addendum #1 02/03/2025

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SHEET TITLE

MECHANICAL  
CONTROLS

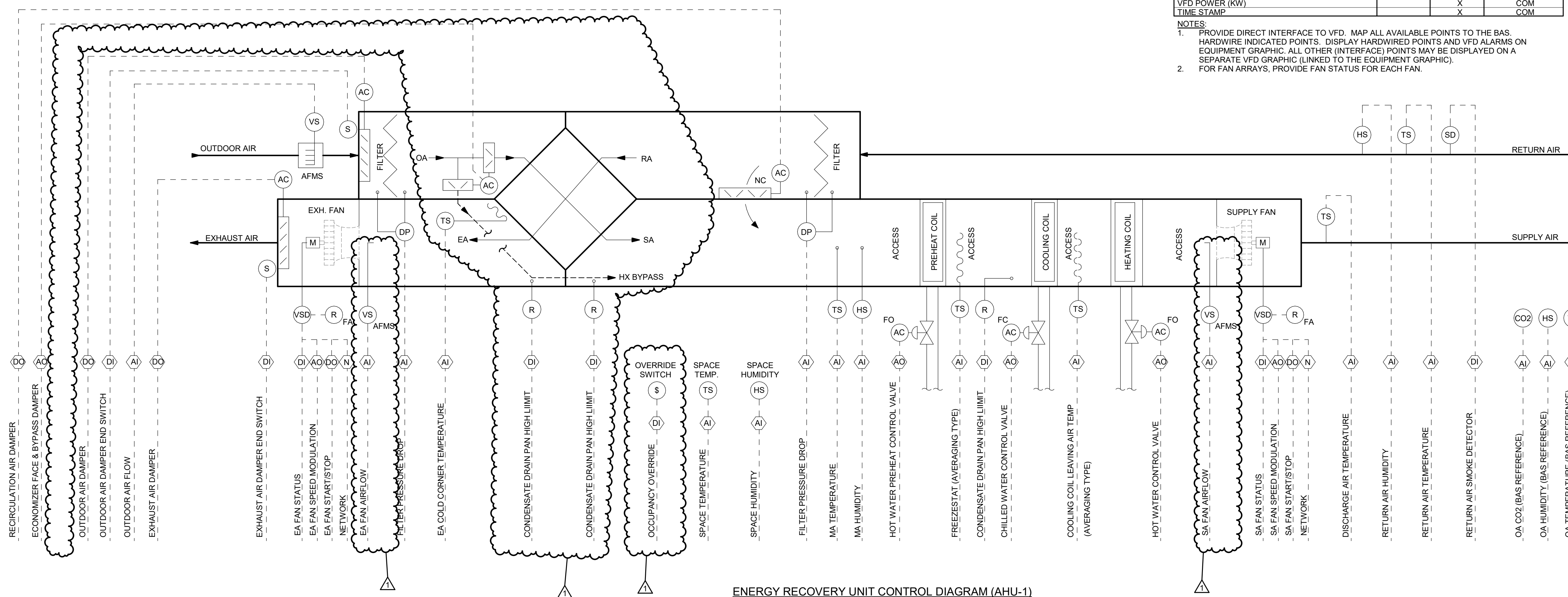
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VFD INTERFACE MATRIX

POINT NAME	HARDWIRED	INTERFACE COM CARD	POINT DISPLAYED ON GUI
VFD COMMAND START/STOP	X	X	HARDWIRED
VFD SPEED COMMAND (%)	X	X	HARDWIRED
FAN/PUMP STATUS (VIA VFD)	X	X	HARDWIRED
VFD SPEED FEEDBACK (Hz)		X	COM
FAN/PUMP ALARM (COMMAND/STATUS MISMATCH)		X	COM
VFD FAULT STATUS		X	COM
VFD FAULT RESET		X	COM
VFD POWER (KW)		X	COM
TIME STAMP		X	COM

NOTES:

1. PROVIDE DIRECT INTERFACE TO VFD. MAP ALL AVAILABLE POINTS TO THE BAS. HARDWIRE INDICATED POINTS. DISPLAY HARDWIRED POINTS AND VFD ALARMS ON EQUIPMENT GRAPHIC. ALL OTHER (INTERFACE) POINTS MAY BE DISPLAYED ON A SEPARATE VFD GRAPHIC (LINKED TO THE EQUIPMENT GRAPHIC).
2. FOR FAN ARRAYS, PROVIDE FAN STATUS FOR EACH FAN.



ENERGY RECOVERY UNIT CONTROL

DESCRIPTION: CONSTANT VOLUME 100% OA AIR HANDLING UNIT WITH FLAT PLATE TOTAL ENERGY RECOVERY MODULE, HW & CHW COILS.

1. OCCUPIED PERIOD:
  1. THE RETURN AIR HUMIDITY IS ABOVE SETPOINT.
  2. THE UNIT IS NOT IN MORNING WARMUP OR NIGHT SETBACK MODE.
  3. UNIT FAN STATUS IS PROVEN ON.
  4. UPON A RISE IN RA HUMIDITY LEVEL ABOVE 65% RH (ADJ.) AND UNTIL RA HUMIDITY LEVEL DROPS TO 55% RH, THE COOLING COIL CONTROL VALVE SHALL MODULATE TO PROVIDE 50°F LEAVING AIR TEMPERATURE. THE REHEAT COIL CONTROL VALVE SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE 1°F LOWER THAN THE COOLING SETPOINT.
2. ECONOMIZER OPERATION (HX FACE & BYPASS DAMPER CONTROL): WHEN THE SPACE THERMOSTAT CALLS FOR COOLING, THE HEAT EXCHANGER FACE AND BYPASS DAMPERS SHALL SWITCH FROM ENERGY RECOVERY POSITION TO BYPASS POSITION TO PROVIDE "FREE COOLING". ECONOMIZER OPERATION WHENEVER:
  - a. THE UNIT IS ENERGIZED AND STATUS HAS BEEN PROVEN FOR AT LEAST 60 SECONDS (ADJ.) AND
  - b. WHEN OUTSIDE AIR TEMPERATURE FALLS BELOW THE SWITCHING SETPOINT OF 55°F (ADJ.) WITH 1°F (ADJ.) CYCLE DIFFERENTIAL, AND
  - c. WHEN OUTSIDE AIR TEMPERATURES ARE ABOVE 52°F (ADJ.) WITH 1°F (ADJ.) CYCLE DIFFERENTIAL.
3. CORE DEFROST CONTROL: WHEN THE EXHAUST AIR TEMPERATURE AS SENSED AT THE HEAT EXCHANGER COLD CORNER FALLS BELOW 35°F (ADJ.), THE UNIT SHALL ENTER CORE DEFROST MODE. THE CORE FACE AND BYPASS DAMPERS SHALL MODULATE IN SEQUENCE TO BYPASS THE CORE IN A PID LOOP AS REQUIRED TO MAINTAIN THE COLD CORNER AT 35°F (ADJ.). WHEN THE CORE FACE AND BYPASS DAMPERS REMAIN FULLY OPEN TO THE CORE FOR A PERIOD OF 5 MINUTES (ADJ.), AND THE COLD CORNER TEMPERATURE IS GREATER THAN 35°F (ADJ.), CORE DEFROST MODE SHALL TERMINATE AND CORE FACE AND BYPASS DAMPER CONTROL SHALL RETURN TO NORMAL OPERATION.
4. UNOCCUPIED PERIOD:
  1. SUPPLY AND EXHAUST FANS ARE OFF, O.A. AND E.A. DAMPERS ARE CLOSED, RECIRCULATION AIR DAMPER IS OPEN.
  2. UNOCCUPIED LOW LIMIT: WHEN THE SPACE TEMPERATURE DROPS BELOW THE UNOCCUPIED HEATING SETPOINT OF 62°F, THE SUPPLY AND EXHAUST AIR FAN SHALL START. THE O.A. AND E.A. DAMPERS SHALL REMAIN CLOSED. THE RECIRCULATION DAMPER SHALL REMAIN OPEN, THE HEATING HOT WATER SYSTEM SHALL ENTER HEATING MODE AND THE HEATING COIL CONTROL VALVES SHALL MODULATE OPEN IN SEQUENCE TO MAINTAIN THE UNOCCUPIED HEATING SETBACK TEMPERATURE SETPOINT.
  3. UNOCCUPIED HIGH LIMIT: WHEN THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT OF 80°F, THE SUPPLY AND EXHAUST AIR FAN SHALL START. THE O.A. AND E.A. DAMPERS SHALL REMAIN CLOSED. THE RECIRCULATION DAMPER SHALL REMAIN OPEN, THE CHILLED WATER SYSTEM SHALL ENTER COOLING MODE AND THE COOLING COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN THE UNOCCUPIED COOLING SETBACK TEMPERATURE SETPOINT.
5. OCCUPANCY OVERRIDE: WHEN THE OCCUPANCY OVERRIDE BUTTON ON THE ROOM SENSOR IS DEPRESSED MOMENTARILY, THE UNIT SHALL BE INDEXED TO THE OCCUPIED PERIOD FOR 60 MIN. (ADJ.).
6. SMOKE DETECTION & AHU SHUTDOWN:
  1. UPON DETECTION OF SMOKE IN THE AIR HANDLING SYSTEM BY THE DUCT-MOUNTED EXHAUST AIR SMOKE DETECTOR, AN ALARM CONDITION SHALL BE SENT TO THE BUILDING FIRE ALARM SYSTEM, AND THE AIR HANDLING UNIT SHALL BE SHUT DOWN BY THE BUILDING FIRE ALARM SYSTEM.
  2. THE BUILDING FIRE ALARM SYSTEM SHALL PROVIDE ONE DIGITAL OUTPUT TO THE BAS TO INDICATE AN ALARM CONDITION. WIRING FOR THIS ALARM POINT SHALL BE PROVIDED BY THE BAS SUBCONTRACTOR.
7. FREEZE PROTECTION: UPON DETECTION OF COOLING COIL ENTERING AIR TEMPERATURE BELOW 45°F, THE O.A. AND E.A. DAMPERS SHALL CLOSE AND THE RECIRCULATION AIR DAMPER SHALL OPEN. UPON DETECTION OF DISCHARGE TEMPERATURE BELOW 40°F, THE SUPPLY AND EXHAUST FANS SHALL BE SHUTDOWN, THE CHILLED WATER AND HOT WATER COIL CONTROL VALVES SHALL FULLY OPEN AND AN ALARM CONDITION SHALL BE SENT TO THE BAS.

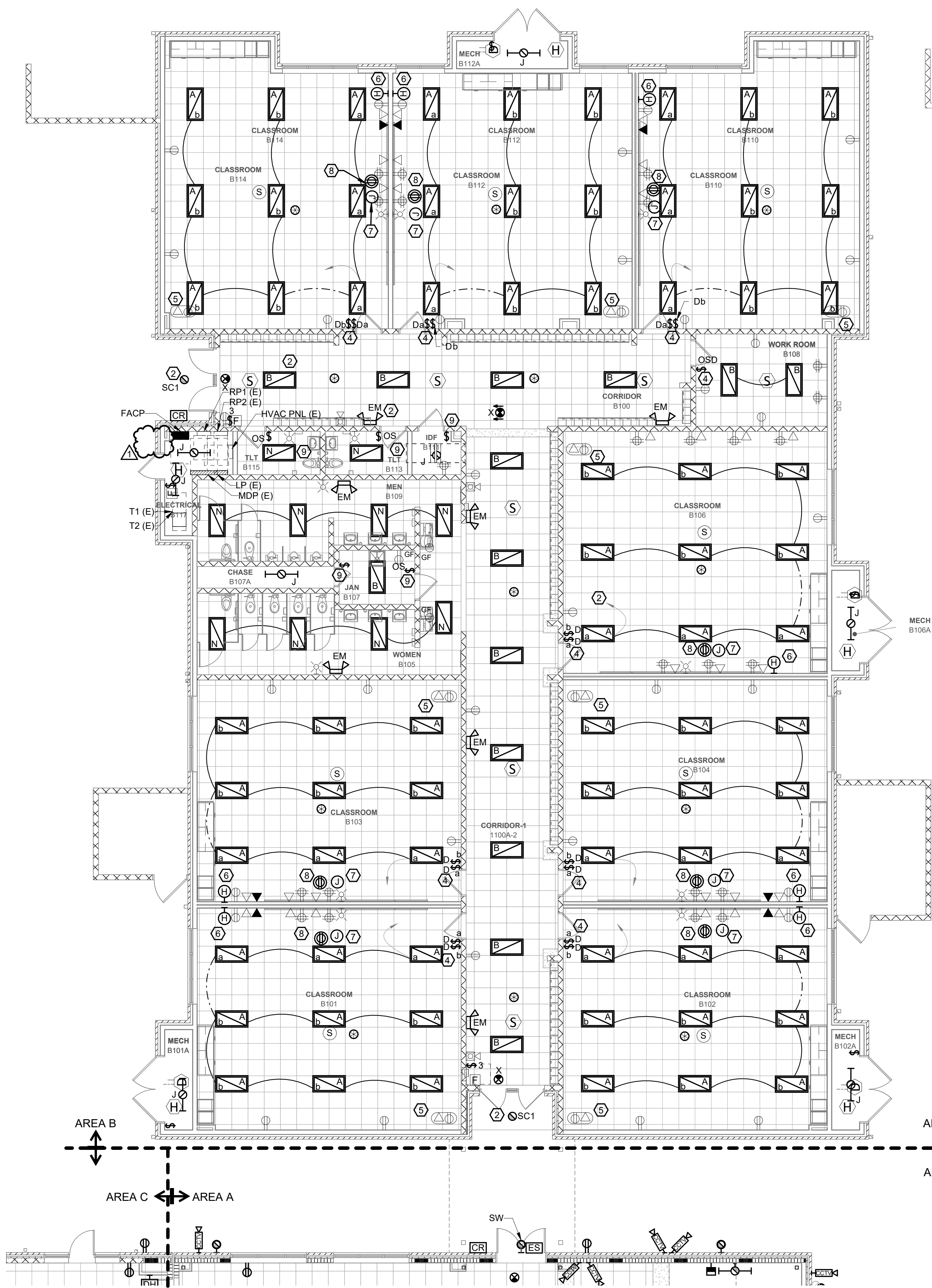






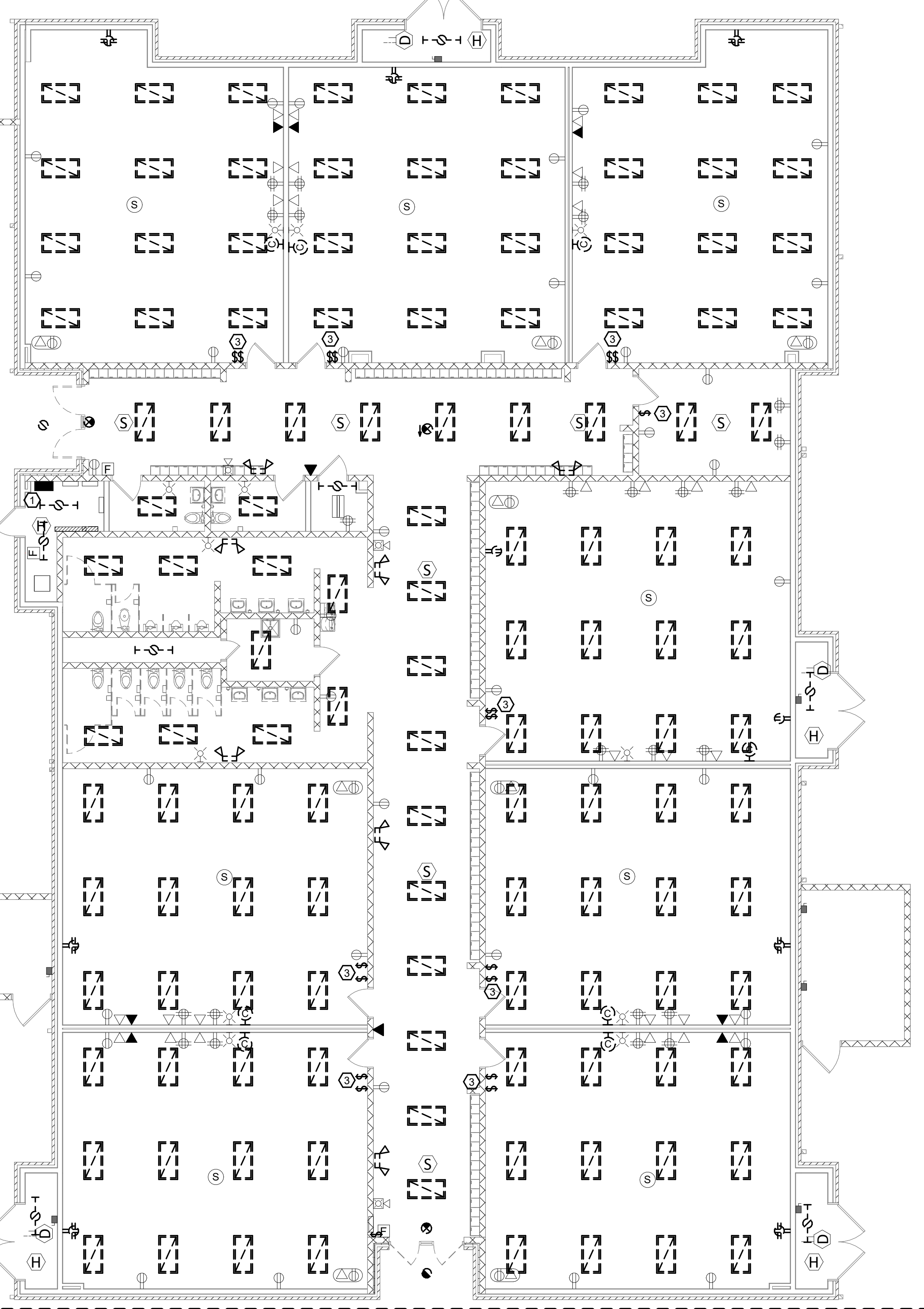






2 FIRST FLOOR ELECTRICAL PLAN AREA B  
Scale: 1/8" = 1'-0"

3 AREA A AND B CORRIDOR - ALTERNATE  
Scale: 1/8" = 1'-0"



1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN AREA B  
Scale: 1/8" = 1'-0"

## GENERAL NOTES:

- BASE BID SHALL INCLUDE ONLY THE FOLLOWING:
- FIRE ALARM DEVICES AND EQUIPMENT SHALL BE EXISTING TO REMAIN, UNLESS EXISTING FIRE ALARM PANEL SHALL BE TIED INTO NEW FIRE ALARM PANEL WITH RELAY. IF EITHER PANEL RECEIVES A SIGNAL THEN BOTH SHALL BE SET INTO ALARM.
- ALTERNATE: RENOVATION WORK
- DEMOLISH EXISTING CEILING DUPLEX LOCATED AT CEILING MOUNT TELEVISION. RELOCATE DUPLEX TO LOCATION OF PROJECTOR. EXTEND WIRING AND CONDUIT AS REQUIRED TO REACH NEW LOCATION.
  - PROVIDE ROUGH-IN FOR HDMI AS NOTED ON NEW WORK PLANS.
  - DEMOLISH ALL EXISTING SIMPLEX, DUPLEX, AND QUADRAPLEX RECEPTACLES AND FACEPLATES. RETAIN ALL EXISTING WIRING, CONDUIT AND BACKBOXES FOR NEW DEVICES. PROVIDE NEW TAMPER RESISTANT DEVICES IN THE DEMOLISHED LOCATIONS AND PROVIDE NEW COVER PLATE.
  - ALL CAMERAS, WAP, AND EXISTING CEILING MOUNT FIRE ALARM DEVICES SHALL BE TEMPORARILY SUPPORTED WHILE CEILINGS ARE BEING REPLACED. LIGHT SWITCHES AND FIXTURES SHALL BE DEMOLISHED AND REPLACED WITH NEW SWITCHES AND FIXTURES. REMOVE ALL WIRING AND CONDUIT FROM NEAREST UPSTREAM JUNCTION BOX FROM SWITCH. PROVIDE ALL NEW FIXTURES AND SWITCHES INCLUDING WIRING FROM SWITCH TO FIXTURES. RETAIN HOMERUN CIRCUITING AND CONDUIT FOR REUSE IN NEW WORK. RECONNECT NEW CIRCUIT TO EXISTING HOMERUN. REUSE ALL BACK BOXES AND IN WALL CONDUIT FOR NEW SWITCHES. PROVIDE NEW SWITCH FACEPLATES AND LABEL WITH CIRCUIT NUMBER AND PANEL.

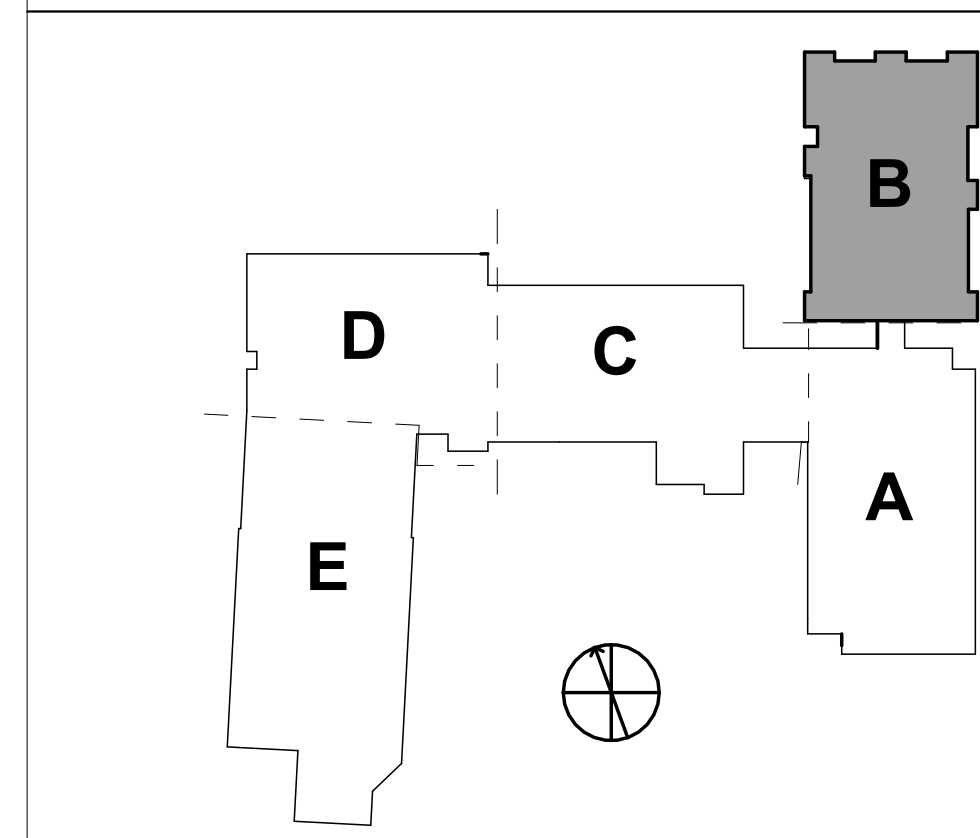
## KEYNOTES:

- EXISTING FIRE ALARM PANEL. PROVIDE CONNECTION FROM NEW FIRE ALARM PANEL TO EXISTING FIRE ALARM PANEL IN BASE BID. REFER TO FIRE ALARM RISER FOR ADDITIONAL INFORMATION.
- CONNECT NEW FIXTURES TO EXISTING HOMERUN. TYPICAL ALL NEW FIXTURES.
- DEMOLISH EXISTING WIRING DEVICES AND LIGHT FIXTURES IN ROOM. DEMOLISH ALL WIRING FROM SWITCHES TO FIXTURES. DEMOLISH ALL FIXTURE WHIPS.
- PROVIDE NEW SWITCHES AND COVER PLATE IN EXISTING BACK BOX. EXTEND BRANCH CIRCUIT FROM SWITCHES TO NEW FIXTURES. PROVIDE 0-10V DIMMING WIRE AS NOTED IN DETAILS AND LIGHT FIXTURE SCHEDULE.
- DEMOLISH EXISTING CEILING MOUNTED DATA AND POWER. REMOVE WIRING AND CONDUIT TO NEAREST UPSTREAM JUNCTION BOX. REFER TO NOTE NUMBER EIGHT FOR ADDITIONAL INFORMATION.
- PROVIDE SURFACE MOUNT BOX FOR NEW HDMI CONNECTION. PROVIDE HDMI PLATE ON JUNCTION BOX. ALL SURFACE MOUNT CONDUIT SHALL BE PAINTED TO MATCH THE ROOM COLOR.
- PROVIDE NEW JUNCTION BOX IN CEILING WITH A BRUSH PLATE FOR NEW HDMI CORD. PROVIDE 1" ABOVE CEILING FROM JUNCTION BOX TO HDMI WALL LOCATION. PROVIDE SURFACE MOUNTED RACEWAY FROM CEILING HEIGHT TO HEIGHT OF WALL BOX LOCATION.
- EXTEND DEMOLISHED CEILING RECEPTACLE BRANCH CIRCUIT TO NEW CEILING RECEPTACLE LOCATION. PROVIDE 3/12 IN 3/4" TO NEW CEILING LOCATION. RECEPTACLE SHALL BE LOCATED IN TILE NEAREST TO WALL MOUNTED PROJECTOR SCREEN.
- PROVIDE NEW SWITCHES AND COVER PLATE IN EXISTING BACK BOX. EXTEND BRANCH CIRCUIT FROM SWITCHES TO NEW FIXTURES.
- PROVIDE TROFFER IN HALLWAY CONNECTING AREA "A" AND AREA "B". CONNECT FIXTURE FOR CIRCUIT FOR CORRIDOR LIGHTS IN AREA "A".
- DEMOLISH FIRE ALARM PULL STATION. REMOVE WIRING TO NEAREST DEVICE. FIX EXISTING FA SLC LOOP AS REQUIRED TO RETAIN CONTINUOUS LOOP. PROVIDE BLANK STAINLESS STEEL COVER PLATE FOR REMOVED DEVICE.

## WALL RATING LEGEND:

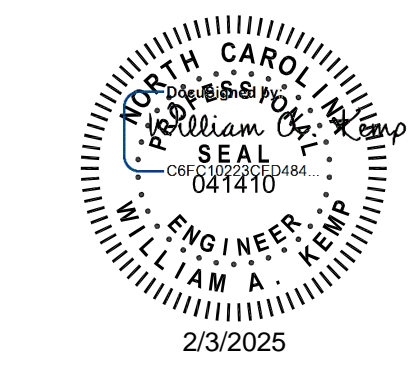
- |                         |
|-------------------------|
| 1-HR RATED FIRE BARRIER |
| 2-HR RATED FIRE WALL    |
| 2-HR RATED FIRE BARRIER |

## KEYPLAN:



## ROSEWOOD MIDDLE SCHOOL ADDITION AND RENOVATION WAYNE COUNTY PUBLIC SCHOOLS

## SEALS



DKA JOB NUMBER	2401
DEWBERRY NUMBER	50171439
REVISIONS	
1 Addendum #1	02/03/2025

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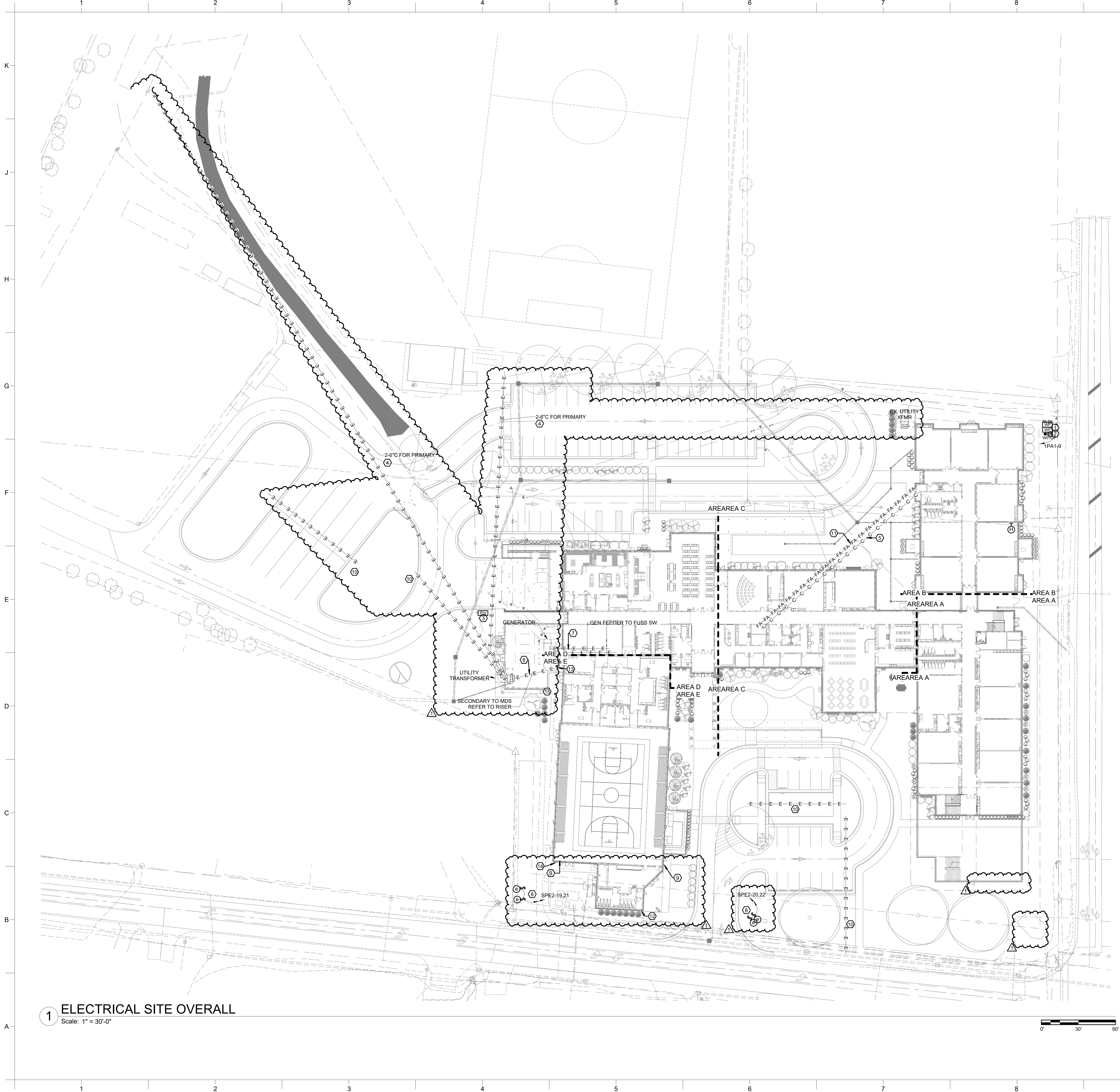
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01/10/2025

## SHEET TITLE

FIRST FLOOR ELEC  
DEMO & NEW WORK  
PLAN AREA B

ED1.02





# GENERAL NOTES:

1. REFER TO SHEET E00.01 FOR ADDITIONAL ELECTRICAL GENERAL NOTES.
2. LOW VOLTAGE SYSTEMS (I.E. CAMERAS/CCTV, INTERCOM, INTRUSION, AND CARD ACCESS) SHALL BE PROVIDED BY OTHERS. DIVISION 26 CONTRACTOR SHALL PROVIDE ROUGH-IN AND INFRASTRUCTURE FOR DEVICES AS INDICATED IN CONTRACT DRAWINGS AND SPECIFICATIONS. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL DEVICE LOCATIONS SHALL BE COORDINATED BETWEEN OWNER AND DIVISION 27 CONTRACTOR. REFER TO SHOP DRAWINGS FOR ROUGH-IN LOCATIONS.

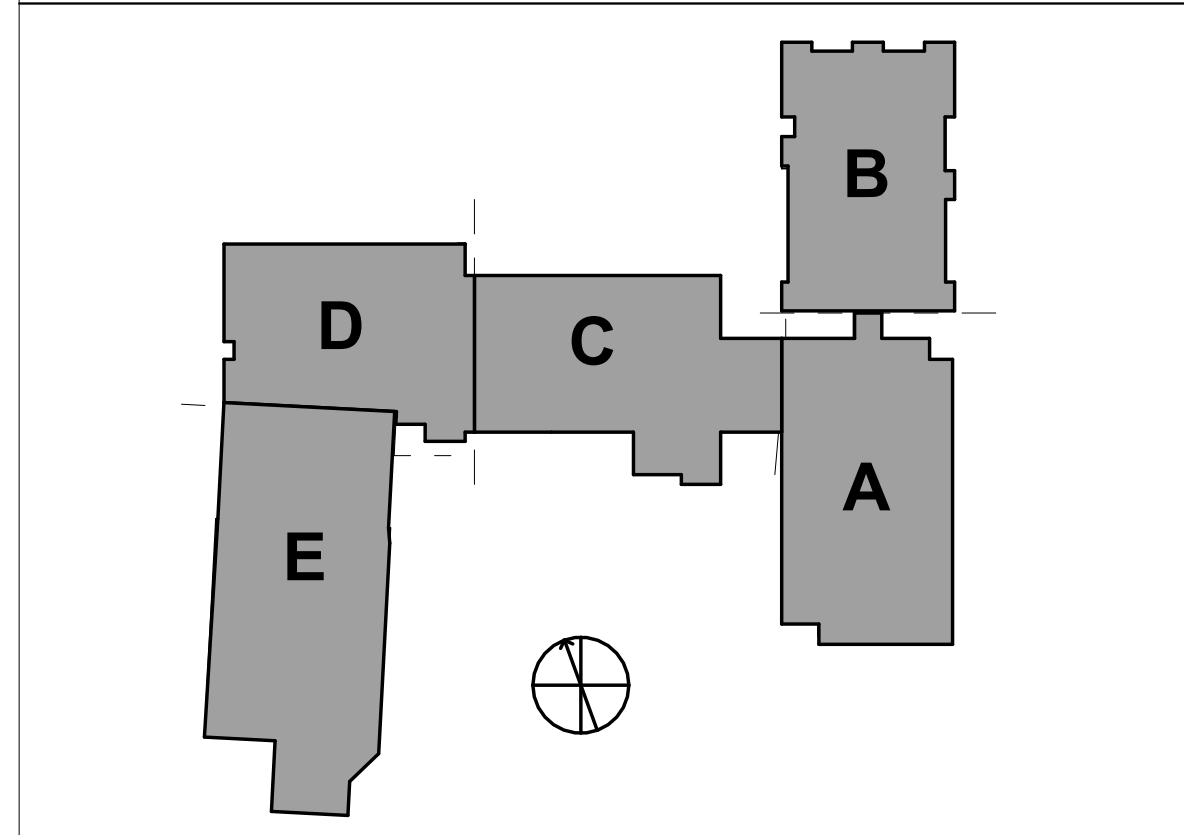
## # KEYNOTES:

1. PROVIDE CONNECTION TO TWO TAMPER SWITCH ON FIRE PROTECTION WATER LINE AND CONNECT TO FA SLC LOOP. ALL WIRING SHALL BE IN 1".
2. PROVIDE CONNECTION TO ELECTRICAL HEATER IN BACKFLOW PREVENTER ENCLOSURE. FIELD VERIFY HEATER SIZE AND LOCATION PRIOR TO FINAL CONNECTION. PROVIDE A TOGGLE SWITCH WITHING ENCLOSURE FOR EACH HEATER. IF HARDWIRED, FOR PLUG-IN HEATER PROVIDE DUPLEX RECEPTACLE (AS SHOWN) IN LIEU OF TOGGLE SWITCH.
3. PROVIDE CONNECTION TO TAMPER SWITCH AT POST INDICATOR VALVE. CONNECT TO FA SLC LOOP IN BUILDING. WIRING SHALL BE IN 1".
4. SLEEVES FOR UNDERGROUND ELECTRICAL PRIMARY. PROVIDE (2) - 6" SLEEVES FROM EXISTING TRANSFORMER PAD TO NEW TRANSFORMER PAD. PROVIDE PULL STRINGS, AND MARK ENDS. COORDINATE EXACT LOCATION AND ROUTING WITH DUKE ENERGY, ALL TRADES, AND UTILITIES PRIOR TO ROUGH-IN.
5. PROVIDE UNDERGROUND 4" C FROM DEMARC LOCATED IN EXISTING ELECTRICAL ROOM IN AREA "B". PROVIDE WITH PULL STRINGS AND THREE (3) CELL MAXCELL EDGE INNERDUCT.
6. ELECTRICAL UTILITY TRANSFORMER SECONDARY. PROVIDE WIRE AND CONDUIT TO SWITCHBOARD UNDERGROUND AS NOTED ON RISER DIAGRAM.
7. GENERATOR FEEDER AND GEN-PNL FEEDER SHALL BE ROUTED IN SAME DUCT BANK. REFER TO RISER DIAGRAM FOR FEEDER SIZES.
8. PROVIDE TWO BRANCH CIRCUITS FOR NEW MONUMENTAL SIGN. PROVIDE TOGGLE SWITCH ON SIGN EXTERIOR FOR LOCAL POWER DISCONNECT. PROVIDE WEATHER PROOF ENCLOSURE FOR TOGGLE SWITCH. COORDINATE SIGN REQUIREMENTS WITH DIVISION 11 CONTRACTOR. REFER TO PANEL SCHEDULE FOR WIRE AND CONDUIT SIZE.
9. PROVIDE ROUGH-IN FOR TRANSMITTER FOR MONUMENTAL SIGN. PROVIDE 1" C FROM EXTERIOR ROUGH-IN TO IDF CLOSET IN GYM LOCKER ROOM SPACE. WIRING AND TRANSMITTER PROVIDED BY OTHERS. PROVIDE ROUGH-IN AT 11'-0" AFG OR AS REQUIRED BY SIGN MANUFACTURER. COORDINATE WITH DIVISION 11, SIGN CONTRACTOR, FOR TRANSMITTER ROUGH-IN REQUIREMENTS. TRANSMITTER SHALL BE LOCATED ON EXTERIOR WALL.
10. PROVIDE ONE (1) 2" C SLEEVE FOR DUKE ENERGY LIGHTING. PROVIDE WITH PULL STRING AND MARK ENDS OF SLEEVE. COORDINATE WITH DUKE ENERGY ON FINAL SLEEVE LOCATIONS. WIRING AND SITE LIGHTING POLES PROVIDED BY DUKE ENERGY.
11. PROVIDE UNDERGROUND 2" C FROM NEW FACP LOCATED IN NEW MDF ROOM TO EXISTING FACP PANEL LOCATED IN EXISTING ELECTRICAL ROOM. PROVIDE WITH PULL STRINGS. REFER TO FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
12. TURN UP FOR SIGN ON EXTERIOR OF BUILDING AT APPROX. 18" AFG AND CONTINUE ROUTING CONDUIT EXPOSED TO NEW PANEL SPE2.
13. PROVIDE HAND HOLE FOR SECONDARY FEEDER CONDUITS.
14. TURN UP FOR SIGN ON EXTERIOR OF BUILDING AT APPROX. 18" AFG AND CONTINUE ROUTING CONDUIT EXPOSED TO NEW PANEL SPE2. CONCEAL CONDUIT ABOVE ACCESSIBLE CEILING IN LOBBY/CONCESSIONS SPACE.
15. PROVIDE 1" C WITH PULL STRING FOR LOW VOLTAGE CABLING. PROVIDE CONDUIT FROM UTILITY GAS METER LOCATION TO HW BAS PANEL LOCATED IN MAIN MECHANICAL ROOM.

## WALL RATING LEGEND:

- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

## KEYPLAN:



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**PROJECT INFORMATION**

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AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

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**SEALS**

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**REVISIONS**

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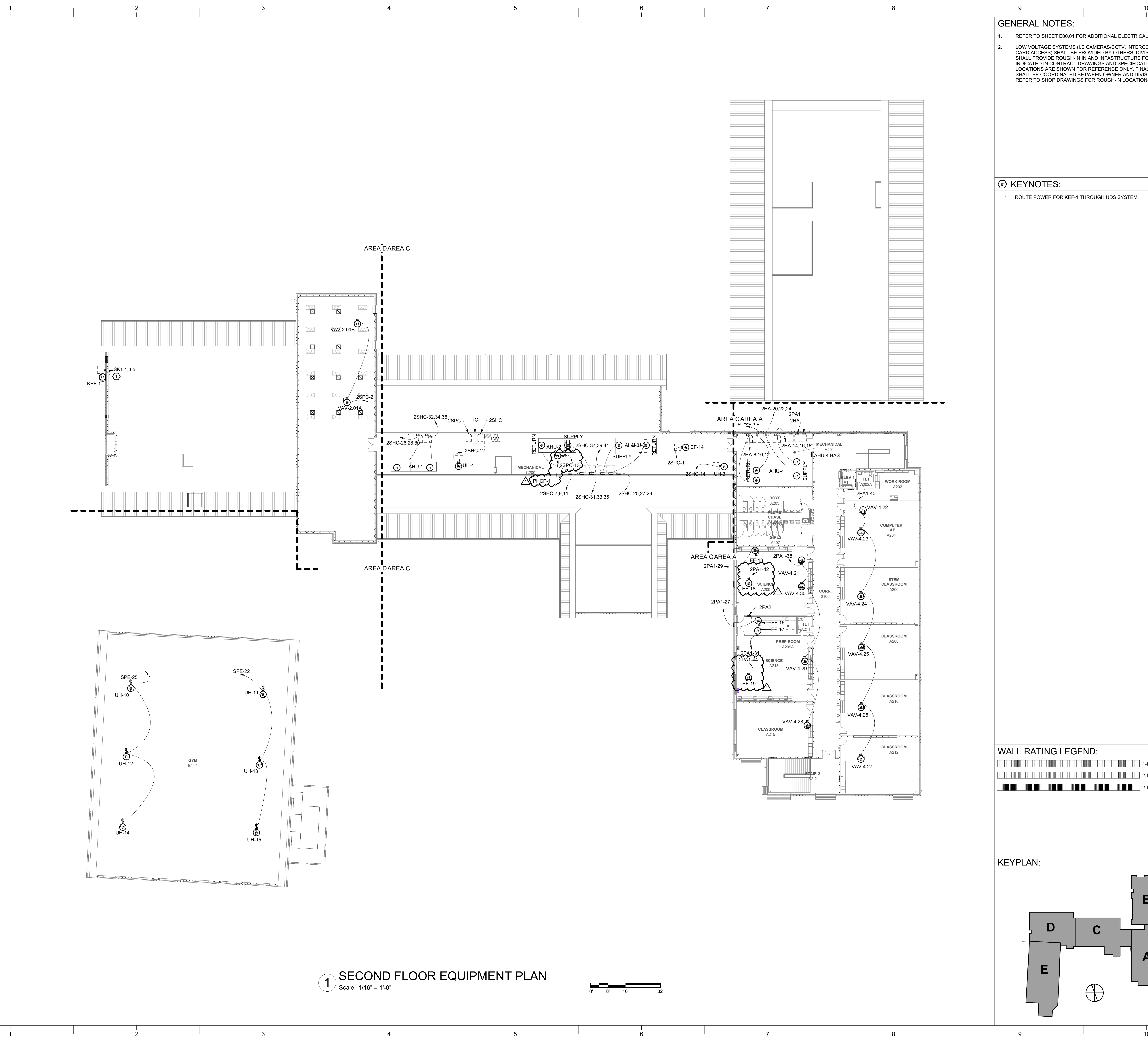
BID DOCUMENTS  
01/10/2025

**SHEET TITLE**  
ELECTRICAL SITE PLAN

**E00.02**



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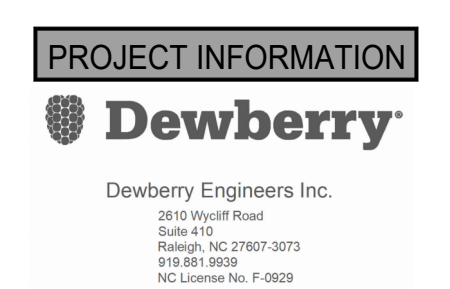
1 SECOND FLOOR EQUIPMENT PLAN  
Scale: 1/16" = 1'-0"

**GENERAL NOTES:**

- REFER TO SHEET E00.01 FOR ADDITIONAL ELECTRICAL GENERAL NOTES.
- LOW VOLTAGE SYSTEMS (I.E. CAMERAS/CCTV, INTERCOM, INTRUSION, AND CARD ACCESS) SHALL BE PROVIDED BY OTHERS. DIVISION 26 CONTRACTOR SHALL PROVIDE ROUGH-IN IN AND INFRASTRUCTURE FOR DEVICES AS INDICATED IN CONTRACT DRAWINGS AND SPECIFICATIONS. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL DEVICE LOCATIONS SHALL BE COORDINATED BETWEEN OWNER AND DIVISION 27 CONTRACTOR. REFER TO SHOP DRAWINGS FOR ROUGH-IN LOCATIONS.

**KEYNOTES:**

- ROUTE POWER FOR KEF-1 THROUGH UDS SYSTEM.

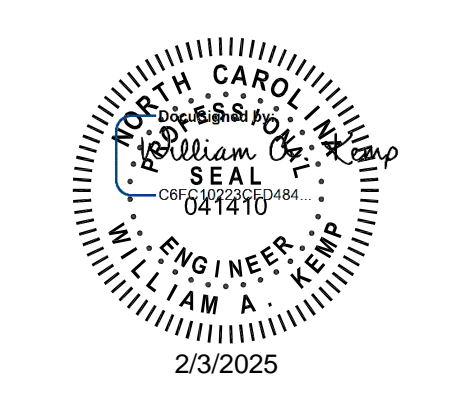


**PROJECT INFORMATION**

ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 561 S. Goldsboro, NC 27530

**SEALS**



**DKA JOB NUMBER**  
2401

**DEWBERRY NUMBER**  
50171439

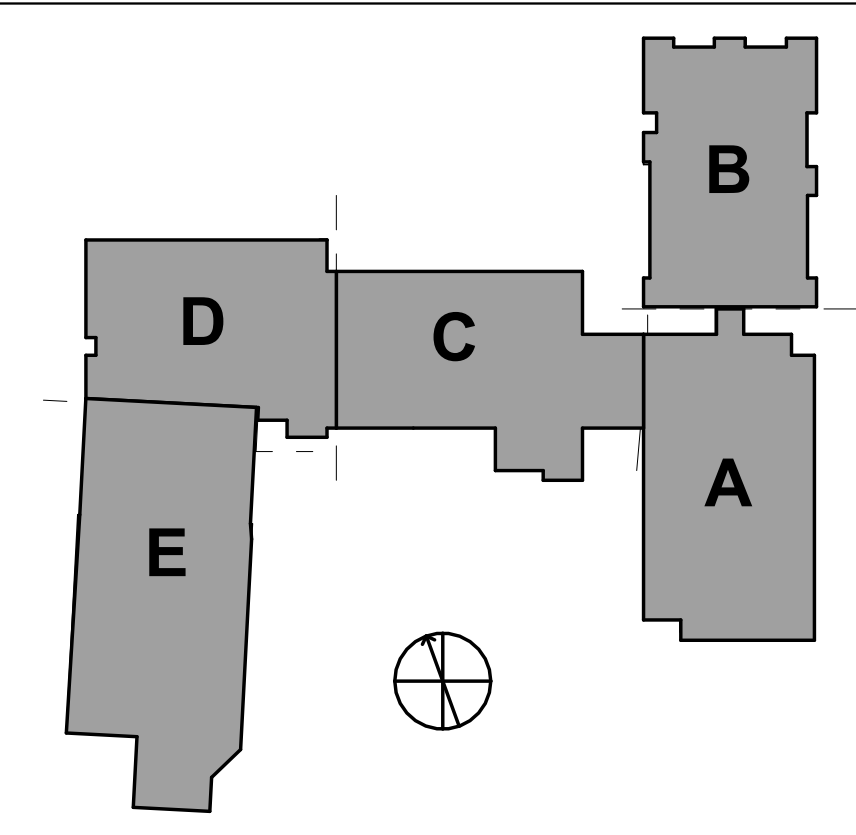
**REVISIONS**

1	Addendum #1	02/03/2025

**WALL RATING LEGEND:**

- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

**KEYPLAN:**



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PA: ROBERT STEVENSON  
PM: BK  
Drawn By: MEH  
Plot Date: 1/30/2025 1:59:21 PM

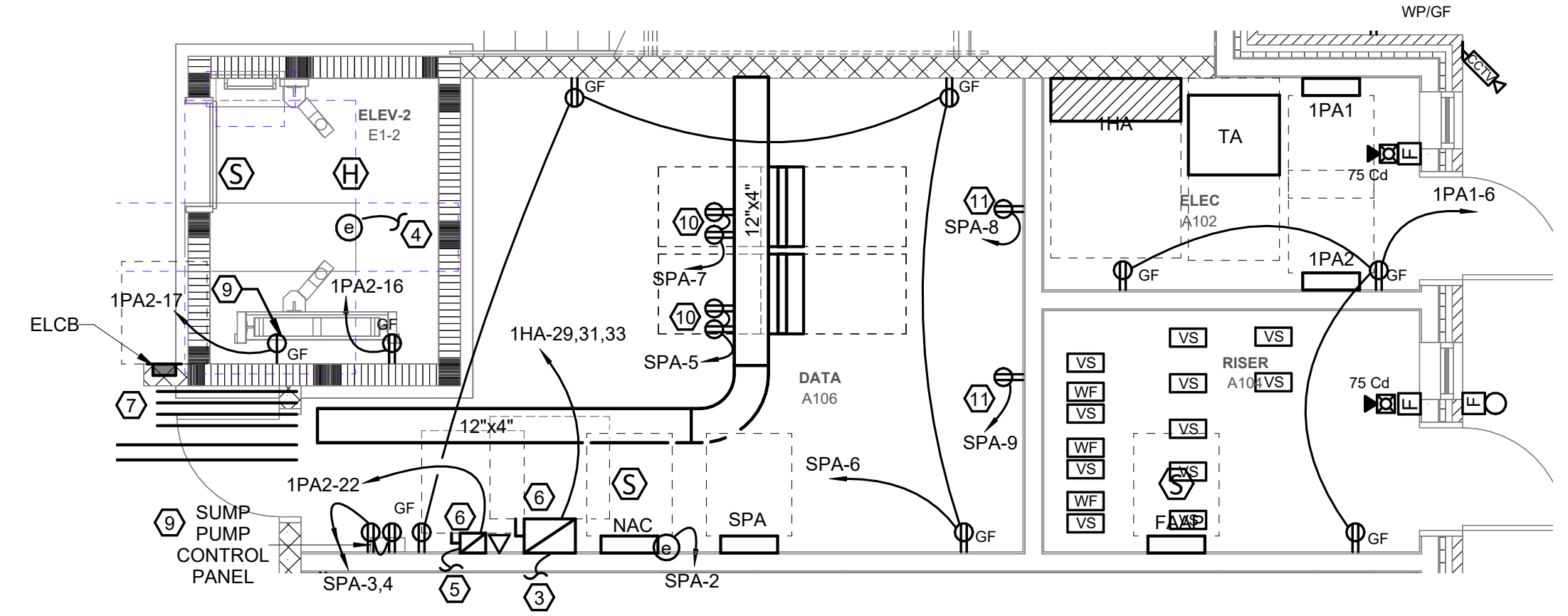
**DATE ISSUED**

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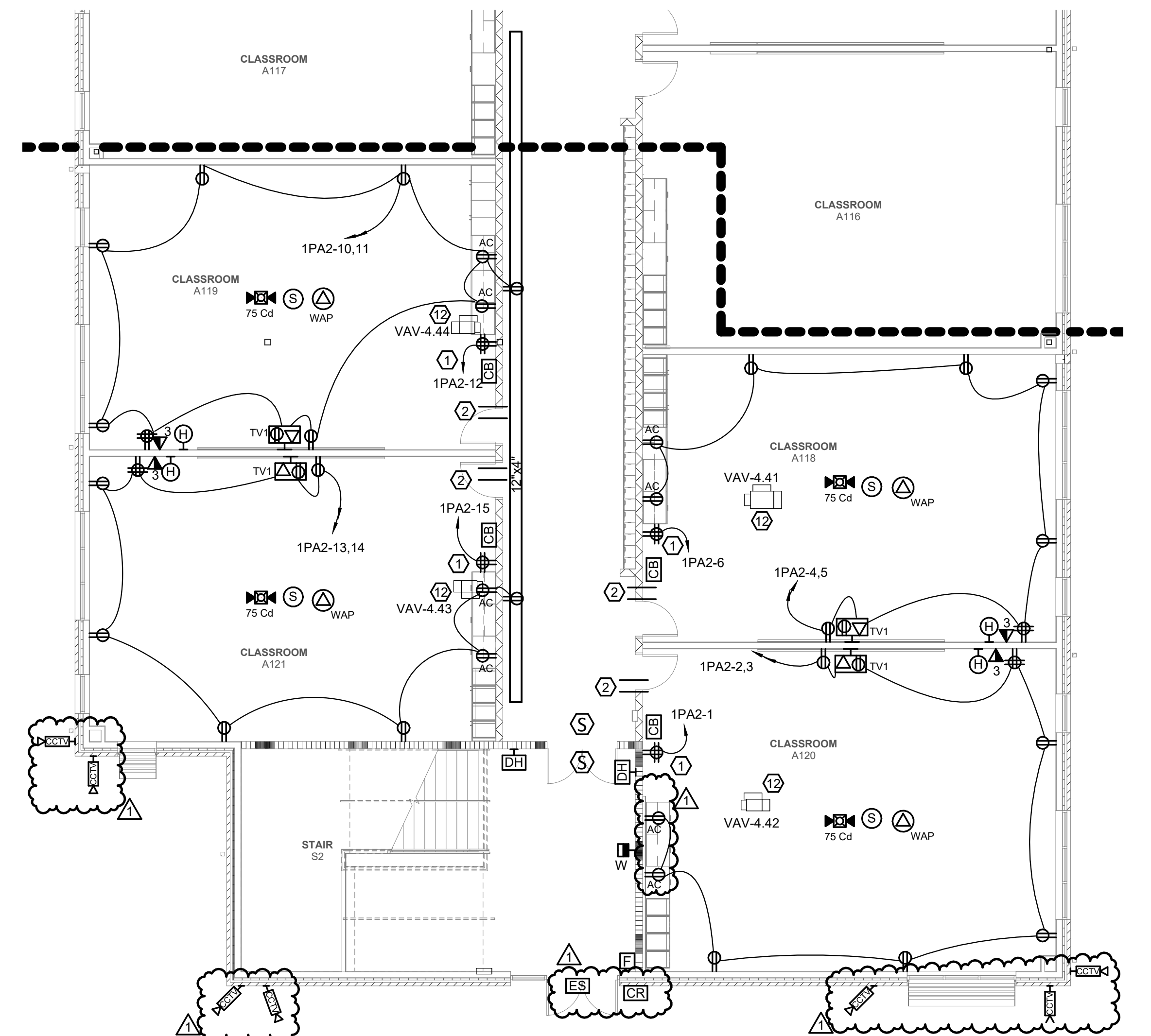
**SHEET TITLE**  
SECOND FLOOR EQUIPMENT PLAN

**E00.04**

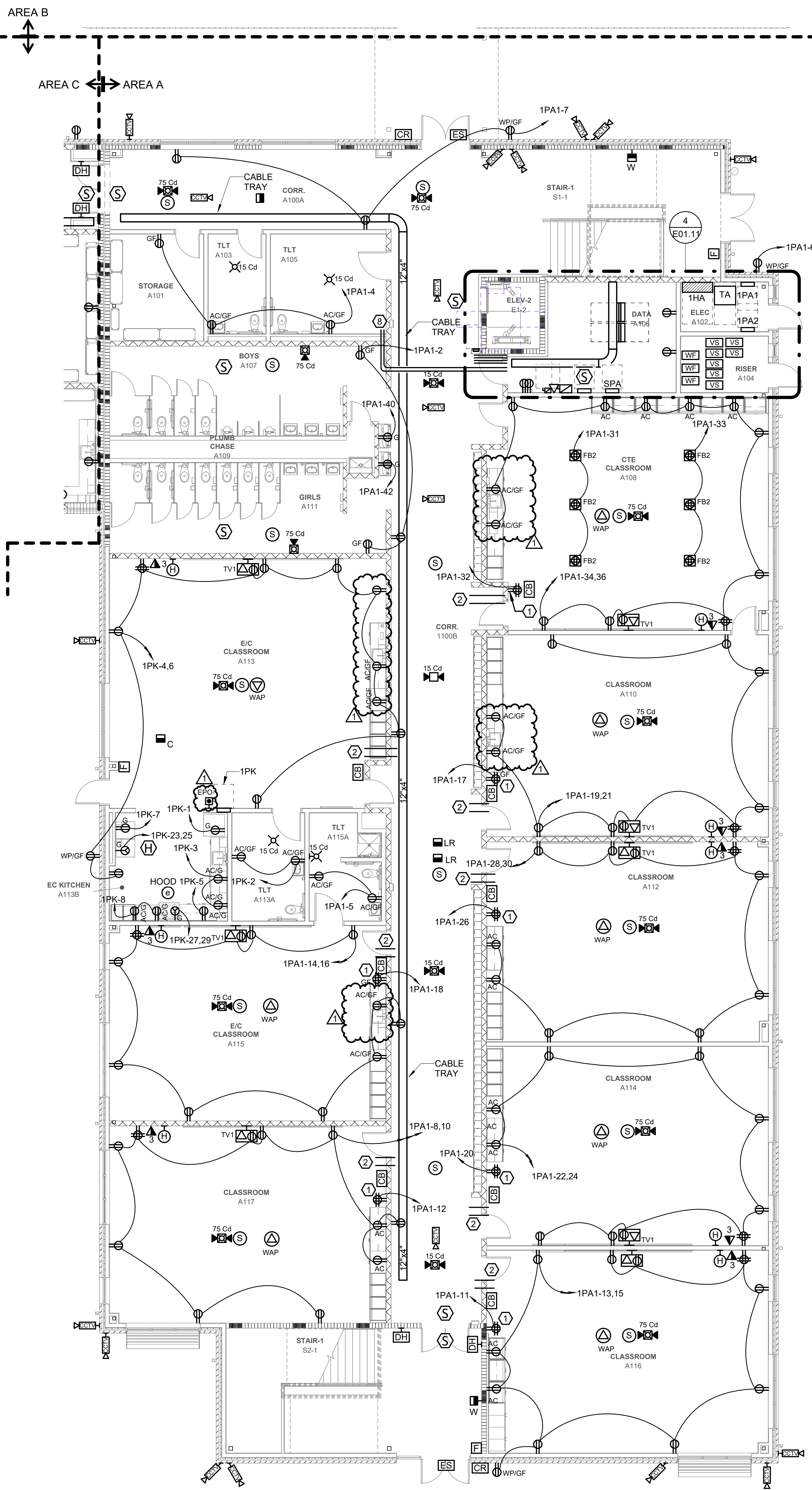




4 ENLARGED ELEV PIT, DATA 1104, RISER 1000D, ELEC ROOM 1000C  
Scale: 1/4" = 1'-0"



2 FIRST FLOOR POWER & LOW VOLTAGE PLAN AREA A ALTERNATE  
Scale: 1/8" = 1'-0"



1 FIRST FLOOR POWER & LOW VOLTAGE PLAN AREA A  
Scale: 1/8" = 1'-0"

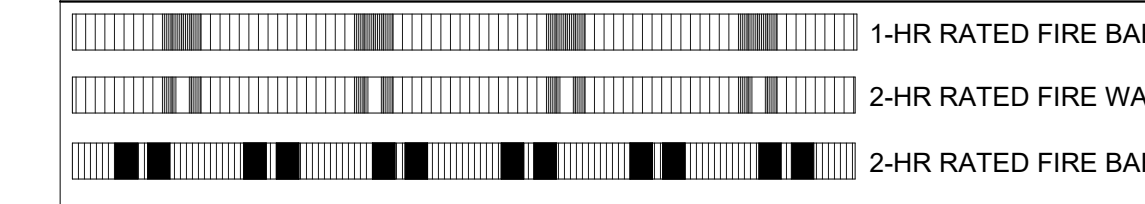
GENERAL NOTES:

- REFER TO SHEET E00.01 FOR ADDITIONAL ELECTRICAL GENERAL NOTES.
- LOW VOLTAGE SYSTEMS (I.E. CAMERAS/CCTV, INTERCOM, INTRUSION, AND CARD ACCESS) SHALL BE PROVIDED BY OTHERS. DIVISION 26 CONTRACTOR SHALL PROVIDE ROUGH-IN AND INFRASTRUCTURE FOR DEVICES AS INDICATED IN CONTRACT DRAWINGS AND SPECIFICATIONS. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL DEVICE LOCATIONS SHALL BE COORDINATED BETWEEN OWNER AND DIVISION 27 CONTRACTOR. REFER TO SHOP DRAWINGS FOR ROUGH-IN LOCATIONS.

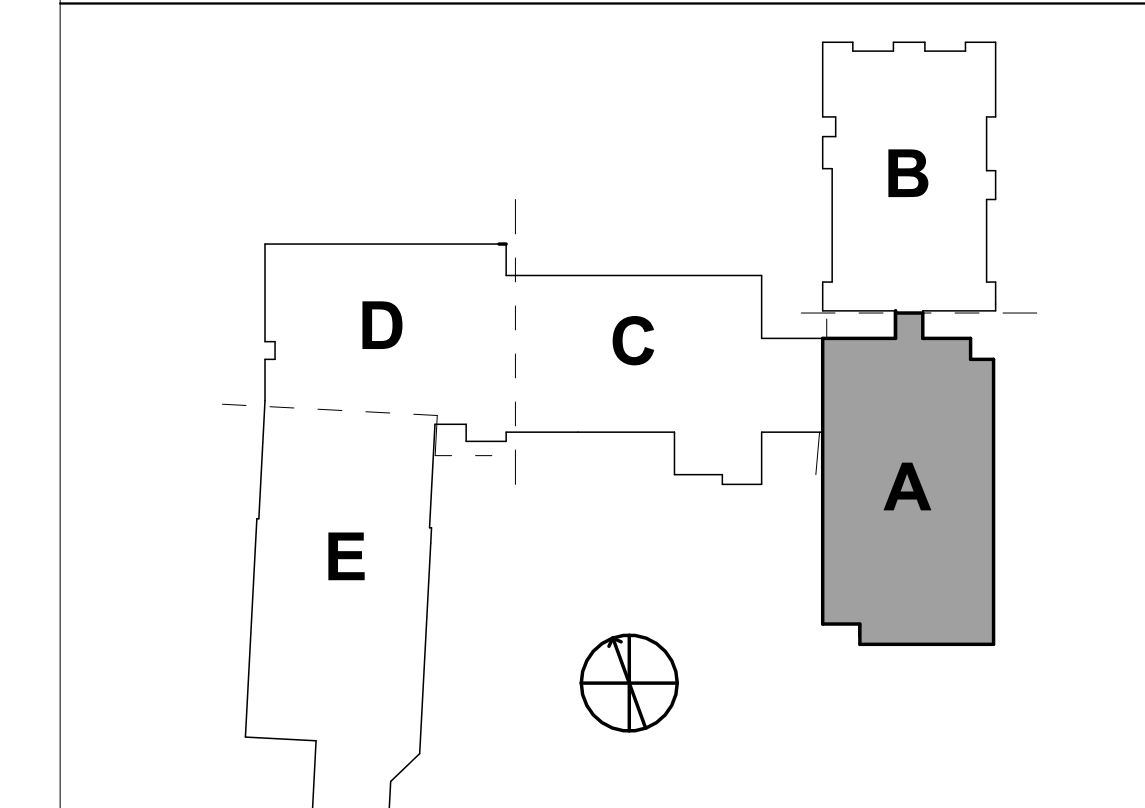
KEYNOTES:

- PROVIDE DEDICATED QUAD RECEPTACLE FOR CART CHARGERS.
- PROVIDE TWO (2) - 3" RIGID GALVANIZED STEEL SLEEVES FROM ABOVE CEILING OF ROOM TO ABOVE CEILING OF CORRIDOR.
- PROVIDE FEEDER FOR HYDRAULIC ELEVATOR. ROUTE FEEDER FROM PANEL THROUGH SHUNT TRIP, FUSED DISCONNECT SWITCH, THEN CONTINUE ROUTING THROUGH JAMB MOUNT CONTROLLER ON SECOND FLOOR. FINALLY CONNECT TO MOTOR ON FIRST FLOOR IN ELEVATOR PIT. COORDINATE FINAL CIRCUIT ROUTING WITH MANUFACTURER DRAWINGS.
- PROVIDE FINAL CONNECTION FOR PUMP LOCATED IN PIT FROM CONTROLLER ON SECOND FLOOR.
- PROVIDE DEDICATED BRANCH CIRCUIT FOR CAB LIGHTING. ROUTE CIRCUIT THROUGH CONTROLLER IN JAMB ON SECOND FLOOR. CONTINUE TO FINAL CAB LIGHT CONNECTION POINT.
- PROVIDE FUSED DISCONNECTS FOR ELEVATOR. REFER TO DISCONNECT SCHEDULE FOR ADDITIONAL INFORMATION.
- PROVIDE FOUR (4) - 4" RIGID GALVANIZED STEEL SLEEVES FROM ABOVE CEILING OF ROOM TO ABOVE CEILING OF CORRIDOR.
- PROVIDE FOUR (4) - 3" RIGID GALVANIZED STEEL CONDUITS FROM IDF CLOSET TO MECHANICAL ROOM ON SECOND FLOOR FOR DATA CABLING ON SECOND FLOOR. TURN UP CONDUITS FROM ABOVE CEILING ON FIRST FLOOR INTO MECHANICAL ROOM. COORDINATE FINAL LOCATION OF CONDUIT TURN UP.
- ROUTE POWER FOR SUMP PUMP THROUGH CONTROL PANEL IN DATA CLOSET. REFER TO DETAIL ON SHEET P05.02 FOR ADDITIONAL INFORMATION ON SUMP PUMP WIRING REQUIREMENTS.
- PROVIDE DUPLEX RECEPTABLES AT RACK AS INDICATED. ATTACH RECEPTABLES TO LADDER RACK ABOVE.
- PROVIDE DEDICATED DUPLEX RECEPTABLES FOR CARD ACCESS AND INTRUSION DETECTION EXPANSION MODULES. COORDINATE WITH DIVISION 27 CONTRACTOR FOR FINAL RECEPTACLE LOCATIONS.
- EXTEND VAV CIRCUIT TO VAVS IN ALTERNATE AREA IS ALTERNATE IS ACCEPTED. REFER TO E00.03 FOR CIRCUIT INFORMATION.

WALL RATING LEGEND:

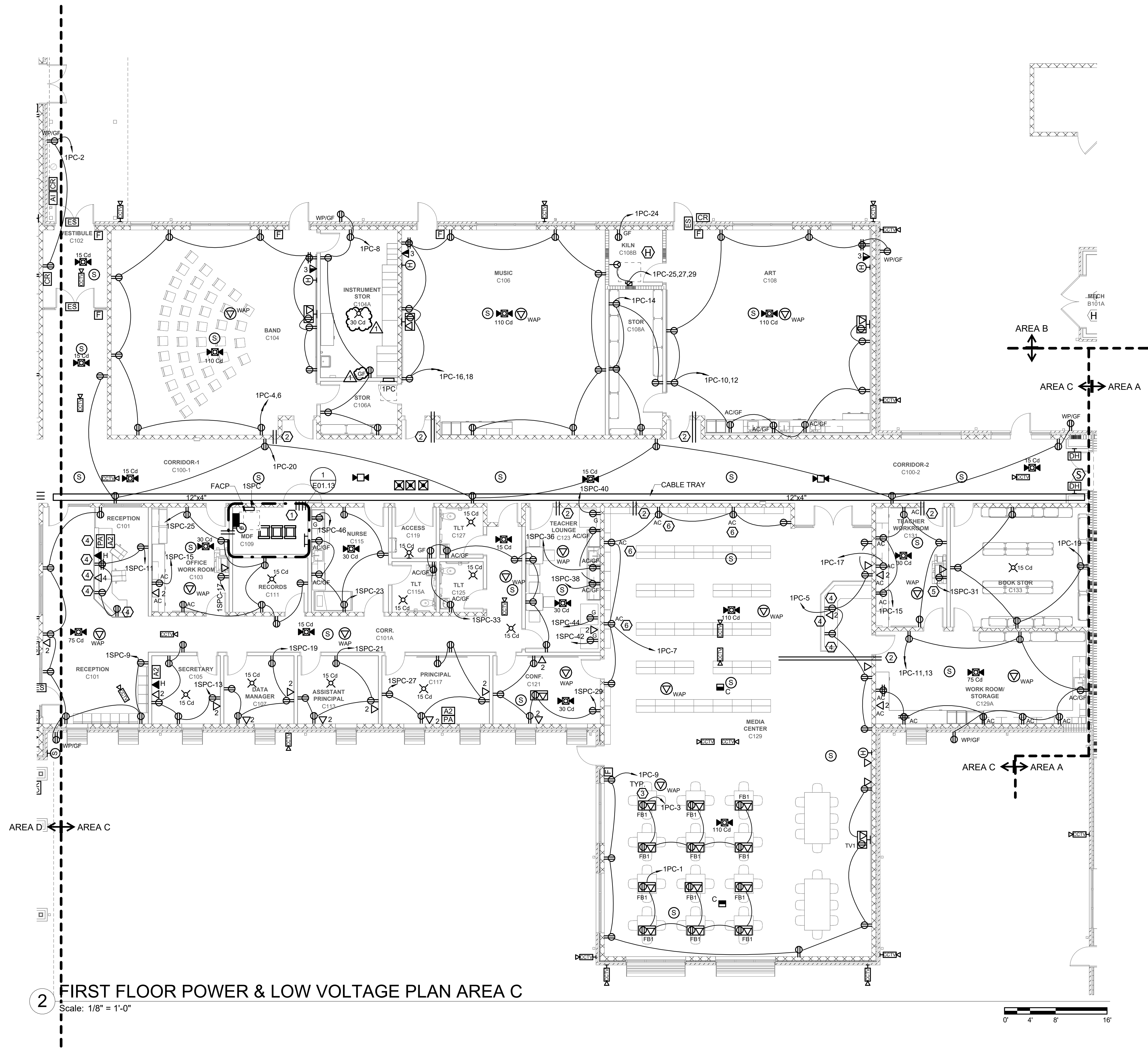


KEYPLAN:

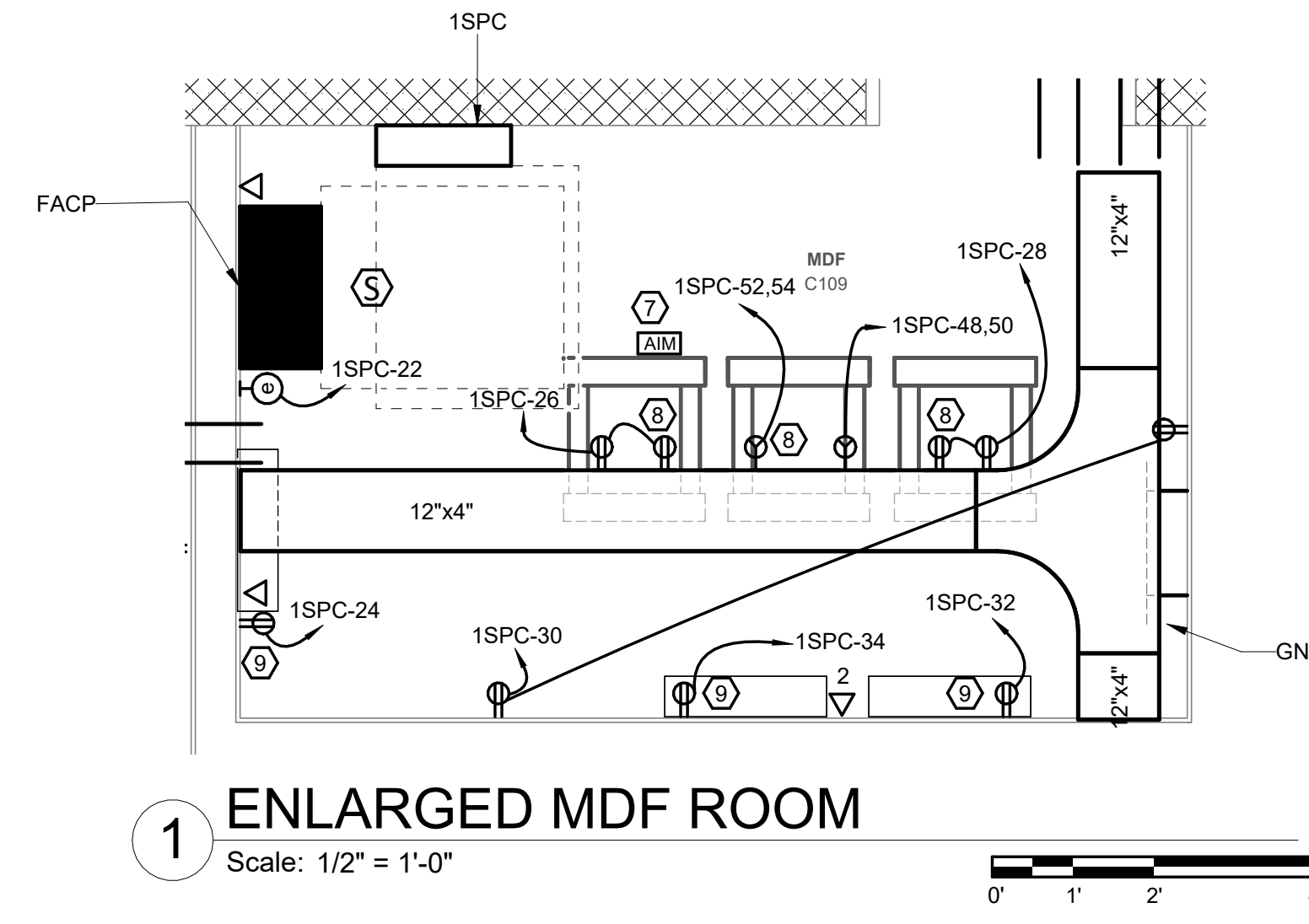




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2 FIRST FLOOR POWER & LOW VOLTAGE PLAN AREA C  
Scale: 1/8" = 1'-0"



1 ENLARGED MDF ROOM  
Scale: 1/2" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET E00.01 FOR ADDITIONAL ELECTRICAL GENERAL NOTES.
2. LOW VOLTAGE SYSTEMS (I.E. CAMERAS/CCTV, INTERCOM, INTRUSION, AND CARD ACCESS) SHALL BE PROVIDED BY OTHERS. DIVISION 26 CONTRACTOR SHALL PROVIDE ROUGH-IN AND INFRASTRUCTURE FOR DEVICES AS INDICATED IN CONTRACT DRAWINGS AND SPECIFICATIONS. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL DEVICE LOCATIONS SHALL BE COORDINATED BETWEEN OWNER AND DIVISION 27 CONTRACTOR. REFER TO SHOP DRAWINGS FOR ROUGH-IN LOCATIONS.

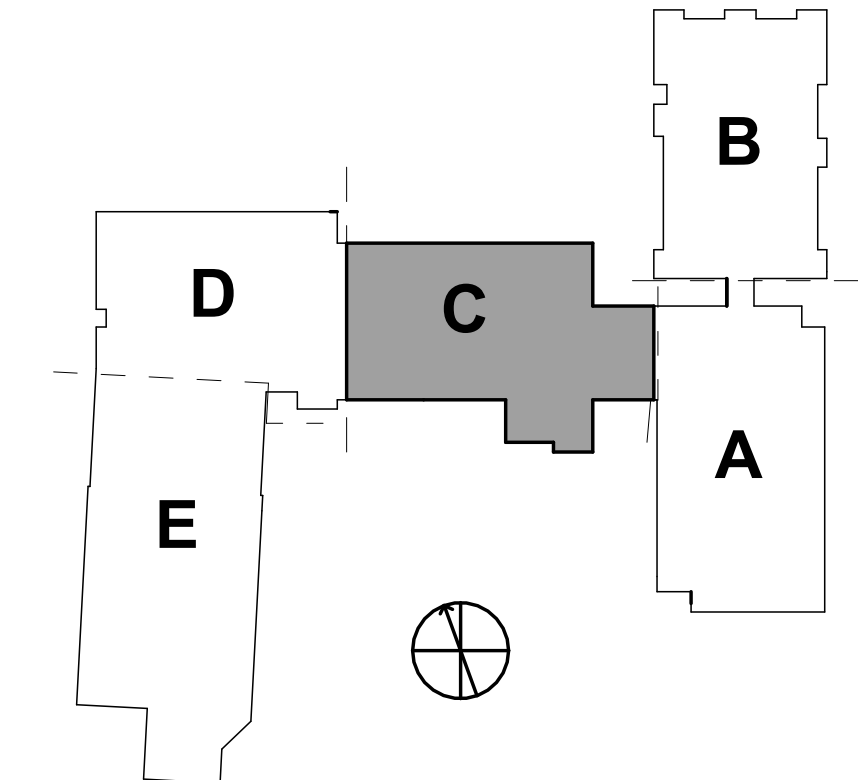
KEYNOTES:

1. PROVIDE FOUR (4) - 4" RIGID GALVANIZED STEEL SLEEVES FROM ABOVE CEILING OF ROOM TO ABOVE CEILING OF CORRIDOR.
2. PROVIDE TWO (2) - 3" RIGID GALVANIZED STEEL SLEEVES FROM ABOVE CEILING OF ROOM TO ABOVE CEILING OF CORRIDOR.
3. TYPICAL FOR ALL FLOOR BOXES IN MEDIA CENTER. ROUTE CONDUIT UNDERGROUND FOR DATA CABLES FROM FLOOR BOX TO MDF ROOM. REFER TO SHOP DRAWING FOR ADDITIONAL INFORMATION ON DESK.
4. COORDINATE ROUGH-IN FOR RECEPTION DESK WITH DIV06 CONTRACTOR. REFER TO SHOP DRAWING FOR ADDITIONAL INFORMATION ON DESK.
5. PROVIDE DEDICATED DUPLEX RECEPTACLE AND DATA OUTLET FOR NEW COPIER.
6. MOUNT RECEPTACLE ABOVE BOOKCASE, AT APPROXIMATELY AT 86" AFF.
7. PROVIDE RELAY MODULE FOR INTERCOM PA SYSTEM. RELAY SHALL SHUNT THE INTERCOM SYSTEM UPON ACTIVATION. COORDINATE WITH FIRE ALARM AND INTERCOM VENDORS FOR FINAL SYSTEM REQUIREMENTS.
8. PROVIDE RECEPTACLES AT RACK AS INDICATED. ATTACH RECEPTACLES TO LADDER RACK ABOVE.
9. COORDINATE FINAL POWER REQUIREMENTS WITH DIVISION 27 CONTRACTOR. CONTRACTOR SHALL PROVIDE POWER FOR INTRUSION, DOOR ACCESS, AND ELEVATOR COMMUNICATIONS AS REQUIRED.

WALL RATING LEGEND:

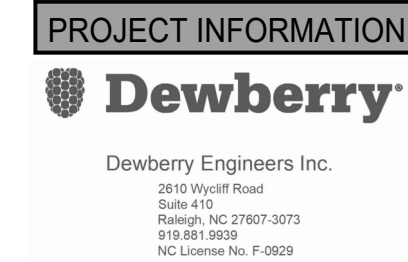
- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

KEYPLAN:

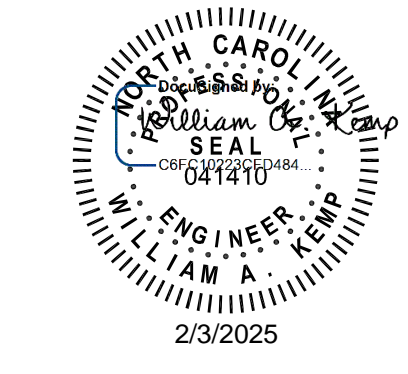


ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 581 S. Goldsboro, NC 27530



SEALS



DKA JOB NUMBER
2401
DEWBERRY NUMBER
50171439
REVISIONS
1 Addendum #1 02/03/2025

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PM: BK  
Drawn By: MEH  
Plot Date: 1/30/2025 1:59:33 PM

DATE ISSUED

BID DOCUMENTS  
01/10/2025

SHEET TITLE

FIRST FLOOR  
POWER PLAN AREA  
C

E01.13



201.14

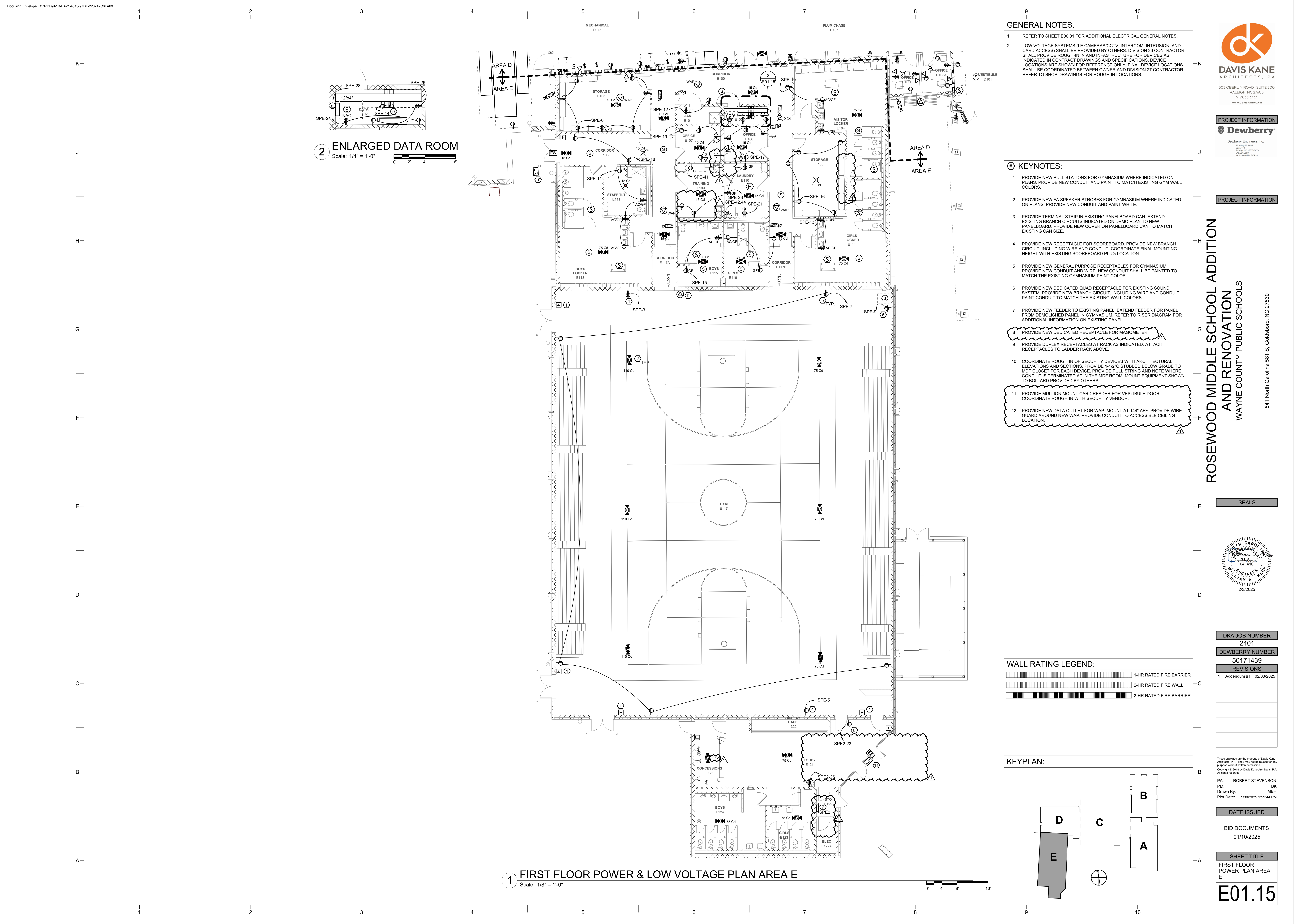
A horizontal number line with tick marks. The number 9 is labeled below the first tick mark on the right. The number 10 is labeled below the second tick mark on the right. A vertical line segment is drawn between the two tick marks, closer to the tick mark for 9.



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

The diagram shows a building layout with five rooms labeled A, B, C, D, and E. Room A is at the bottom right, B is above it, C is to the left of B, D is to the left of C, and E is below D. A north arrow is located below room C.





2 ENLARGED DATA ROOM  
Scale: 1/4" = 1'-0"

1 FIRST FLOOR POWER & LOW VOLTAGE PLAN AREA E  
Scale: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEET E00.01 FOR ADDITIONAL ELECTRICAL GENERAL NOTES.
- LOW VOLTAGE SYSTEMS (I.E. CAMERAS/CCTV, INTERCOM, INTRUSION, AND CARD ACCESS) SHALL BE PROVIDED BY OTHERS. DIVISION 26 CONTRACTOR SHALL PROVIDE ROUGH-IN AND INFRASTRUCTURE FOR DEVICES AS INDICATED IN CONTRACT DRAWINGS AND SPECIFICATIONS. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL DEVICE LOCATIONS SHALL BE COORDINATED BETWEEN OWNER AND DIVISION 27 CONTRACTOR. REFER TO SHOP DRAWINGS FOR ROUGH-IN LOCATIONS.

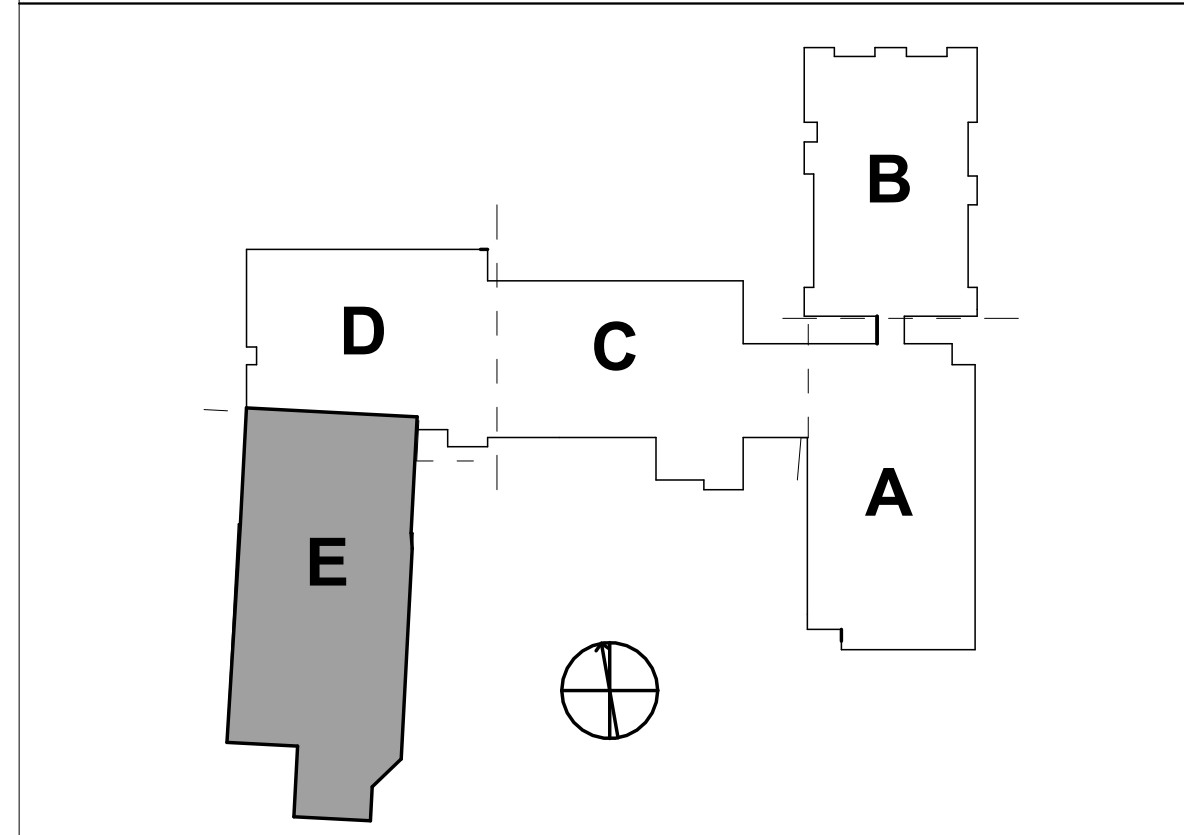
KEYNOTES:

- PROVIDE NEW PULL STATIONS FOR GYMNASIUM WHERE INDICATED ON PLANS. PROVIDE NEW CONDUIT AND PAINT TO MATCH EXISTING GYM WALL COLORS.
- PROVIDE NEW FA SPEAKER STROBES FOR GYMNASIUM WHERE INDICATED ON PLANS. PROVIDE NEW CONDUIT AND PAINT WHITE.
- PROVIDE TERMINAL STRIP IN EXISTING PANELBOARD CAN. EXTEND EXISTING BRANCH CIRCUITS INDICATED ON DEMO PLAN TO NEW PANELBOARD. PROVIDE NEW COVER ON PANELBOARD CAN TO MATCH EXISTING CAN SIZE.
- PROVIDE NEW RECEPTACLE FOR SCOREBOARD. PROVIDE NEW BRANCH CIRCUIT, INCLUDING WIRE AND CONDUIT. COORDINATE FINAL MOUNTING HEIGHT WITH EXISTING SCOREBOARD PLUG LOCATION.
- PROVIDE NEW GENERAL PURPOSE RECEPTACLES FOR GYMNASIUM. PROVIDE NEW CONDUIT AND WIRE. NEW CONDUIT SHALL BE PAINTED TO MATCH THE EXISTING GYMNASIUM PAINT COLOR.
- PROVIDE NEW DEDICATED QUAD RECEPTACLE FOR EXISTING SOUND SYSTEM. PROVIDE NEW BRANCH CIRCUIT, INCLUDING WIRE AND CONDUIT. PAINT CONDUIT TO MATCH THE EXISTING WALL COLORS.
- PROVIDE NEW FEEDER TO EXISTING PANEL. EXTEND FEEDER FOR PANEL FROM DEMOLISHED PANEL IN GYMNASIUM. REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION ON EXISTING PANEL.
- PROVIDE NEW DEDICATED RECEPTACLE FOR MAGNETOMETER.
- PROVIDE DUPLEX RECEPTACLES AT RACK AS INDICATED. ATTACH RECEPTACLES TO LADDER RACK ABOVE.
- COORDINATE ROUGH-IN OF SECURITY DEVICES WITH ARCHITECTURAL ELEVATIONS AND SECTIONS. PROVIDE 1-1/2" C STUBBED BELOW GRADE TO MDF CLOSET FOR EACH DEVICE. PROVIDE PULL STRING AND NOTE WHERE CONDUIT IS TERMINATED AT IN THE MDF ROOM. MOUNT EQUIPMENT SHOWN TO BOLLARD PROVIDED BY OTHERS.
- PROVIDE MULLION MOUNT CARD READER FOR VESTIBULE DOOR. COORDINATE ROUGH-IN WITH SECURITY VENDOR.
- PROVIDE NEW DATA OUTLET FOR WAP. MOUNT AT 144" AFF. PROVIDE WIRE GUARD AROUND NEW WAP. PROVIDE CONDUIT TO ACCESSIBLE CEILING LOCATION.

WALL RATING LEGEND:

- 1-HR RATED FIRE BARRIER
- 2-HR RATED FIRE WALL
- 2-HR RATED FIRE BARRIER

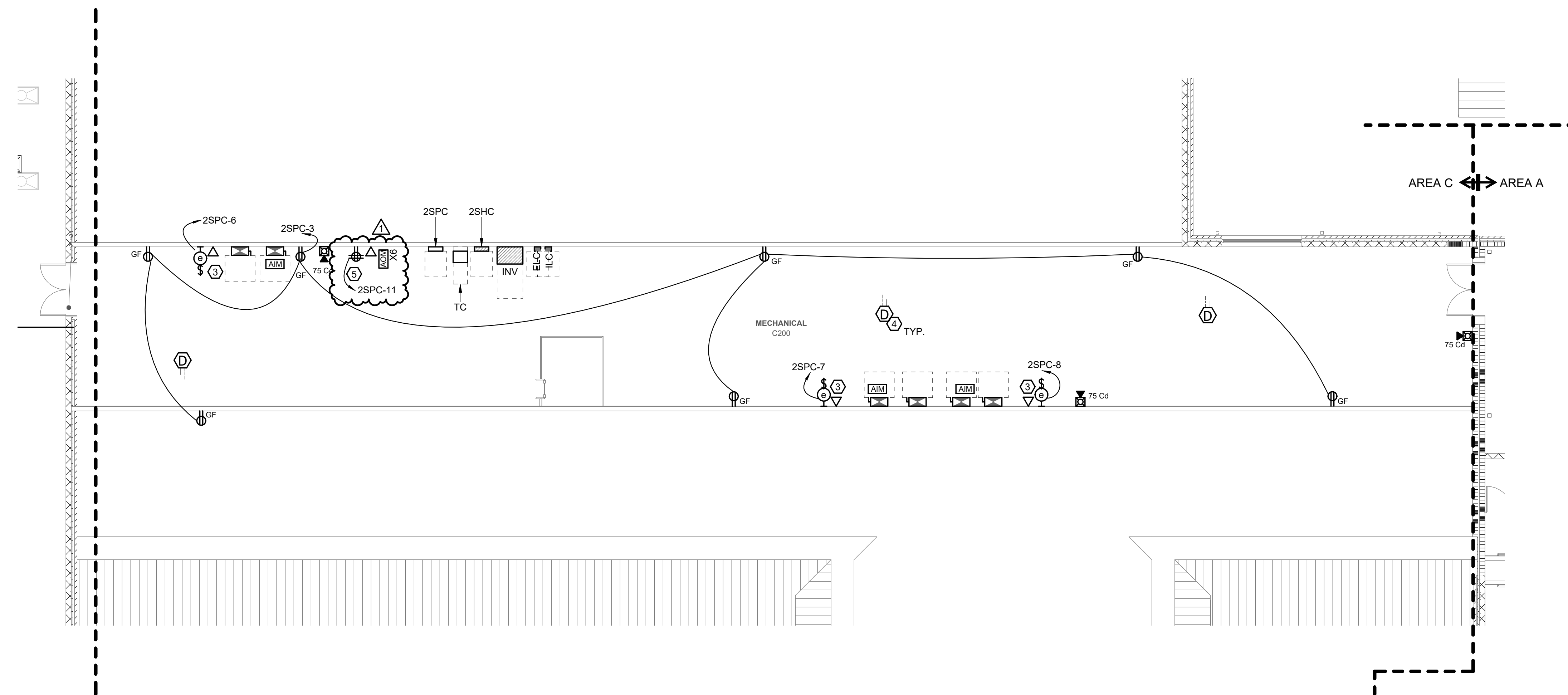
KEYPLAN:



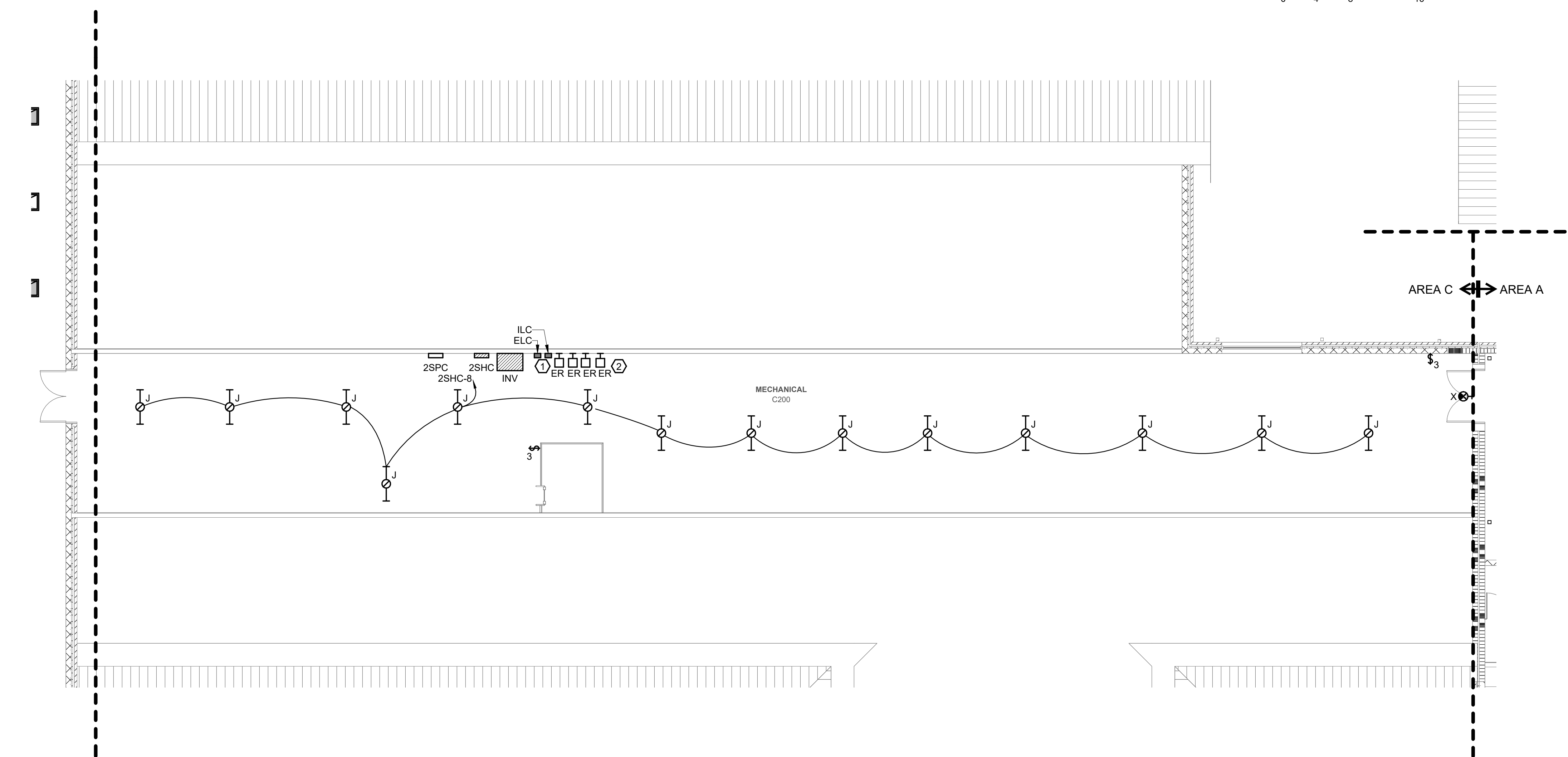
1	Addendum #1	02/03/2025



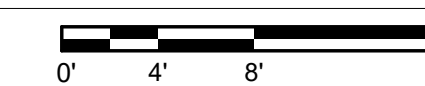
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1 SECOND FLOOR POWER & LOW VOLTAGE PLAN AREA C  
Scale: 1/8" = 1'-0"



2 SECOND FLOOR LIGHTING PLAN AREA C  
Scale: 1/8" = 1'-0"



#### GENERAL NOTES:

- REFER TO SHEET E00.01 FOR ADDITIONAL ELECTRICAL GENERAL NOTES.
- REFER TO SHEET E00.04 FOR MECHANICAL EQUIPMENT CONNECTION INFORMATION.

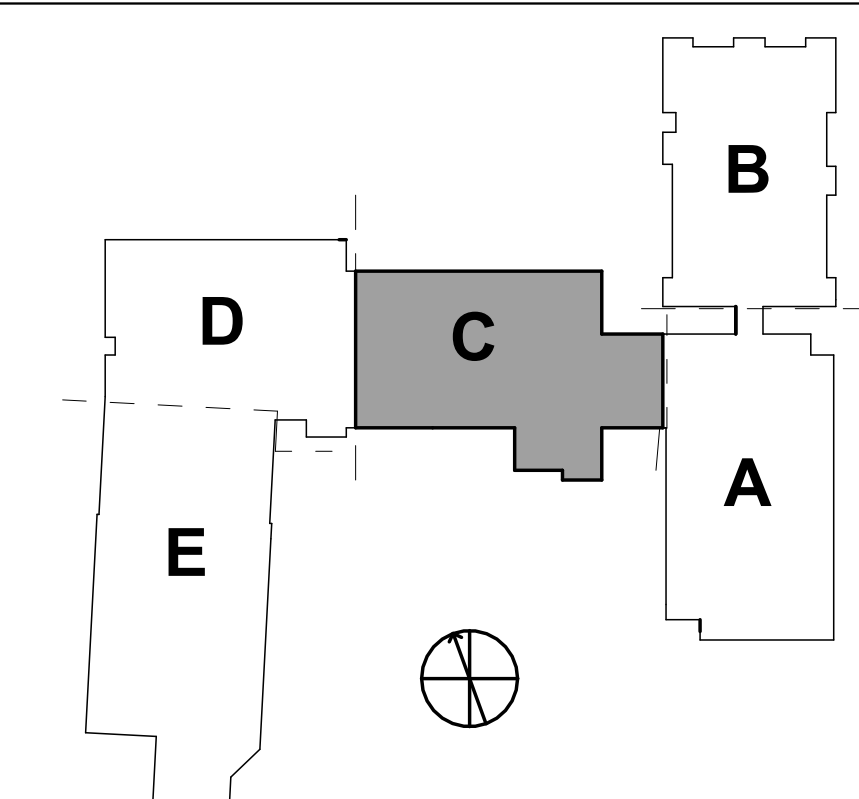
#### KEYNOTES:

- PROVIDE INTERIOR AND EXTERIOR LIGHTING CONTACTORS. CONTACTORS SHALL HAVE HAND, OFF, AUTO, OR HOA SWITCH. COORDINATE WITH BAS PROVIDER ON CONTROLS FOR CONTACTOR. REFER TO LIGHTING CONTACTOR SCHEDULE FOR ADDITIONAL INFORMATION.
- PROVIDE EMERGENCY RELAY UL924 DEVICES FOR CORRIDOR AND EXTERIOR EMERGENCY LIGHTS. REFER TO EMERGENCY RELAY SCHEDULE FOR QUANTITIES AND CIRCUIT NUMBERS.
- POWER AND DATA FOR BAS CONTROL PANEL. PROVIDE TOGGLE SWITCH FOR 120V. PROVIDE 3/4" C TO MDF ROOM AND BACK BOX AND BLANK COVER PLATE FOR DATA JACK.
- REMOTE TEST SWITCH AND INDICATOR LIGHT IN CORRIDOR BELOW MECHANICAL C200. REFER TO FIRST FLOOR POWER PLAN AREA "C" FOR LOCATION(S).
- PROVIDE 4X8 PLYWOOD BACKBOARD FOR BDA EQUIPMENT. DEDICATED QUAD AND DATA ARE FOR BDA. PROVIDE FIRE ALARM RELAYS FOR BDA MONITORING.

#### WALL RATING LEGEND:

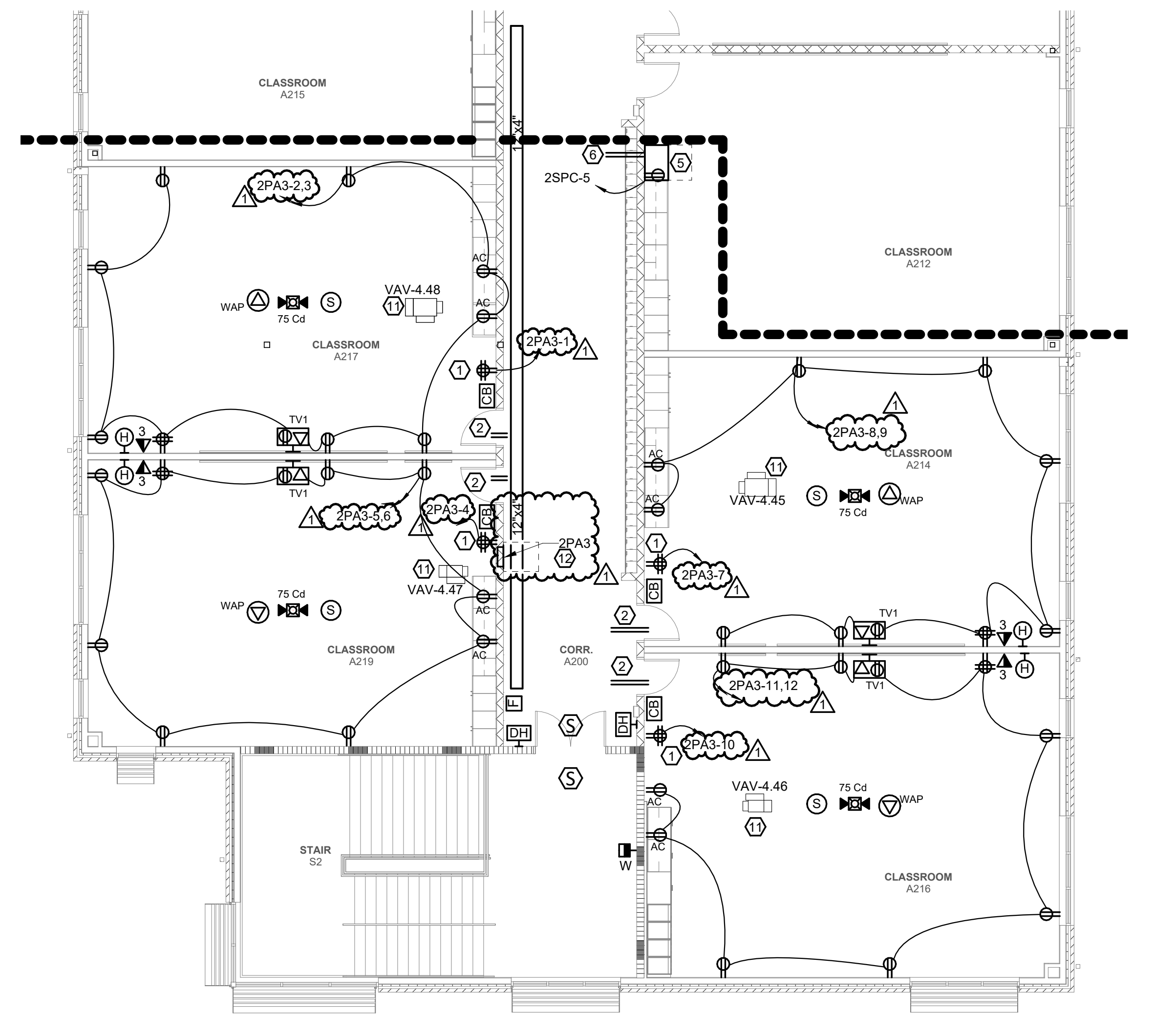
1-HR RATED FIRE BARRIER
2-HR RATED FIRE WALL
2-HR RATED FIRE BARRIER

#### KEYPLAN:

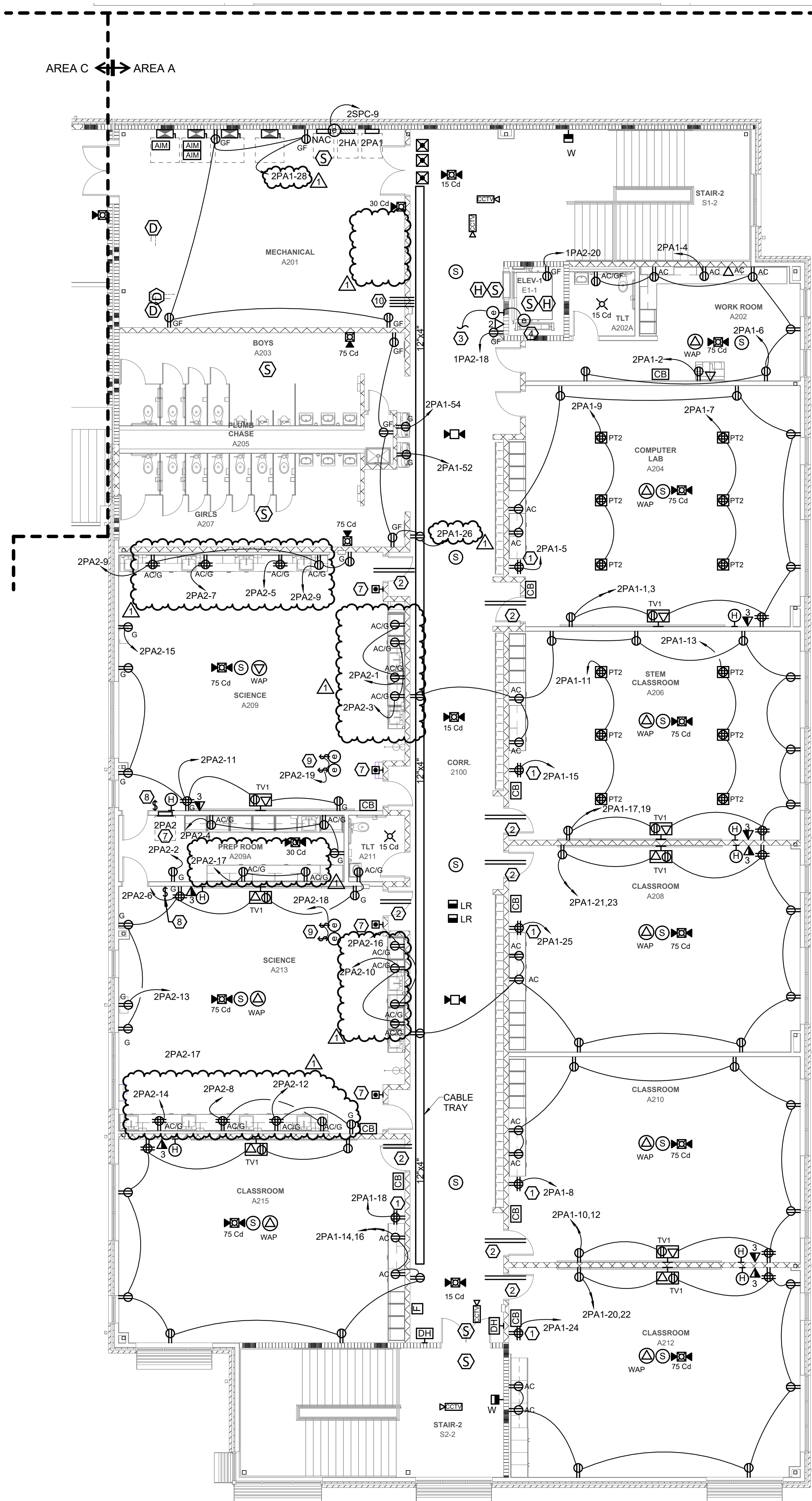


1	Addendum #1	02/03/2025
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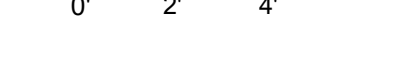




2 SECOND FLOOR POWER & LOW VOLTAGE PLAN AREA A ALTERNATE  
Scale: 1/8" = 1'-0"








1 REFER TO SITE PLAN FOR PRIMARY AND SECONDARY FEEDER ROUTING FOR UTILITY TRANSFORMER DIVISIONS CONTRACTOR SHALL

- 2 POWER AND DATA FOR BAS CONTROL PANELS. COORDINATE WITH DIVISION

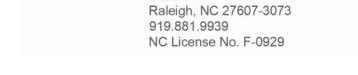
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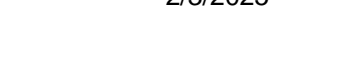


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 **Dewberry**

4

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2401  
BERRY, J.

REVISIO

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PA: ROBERT S  
PM:

DATE ISS

BID DOCUMENT  
01/10/20

SHEET T

[illegible]

**LC 1.**







PANEL: SPD						PRE PURCHASE								
LOCATION: ELEC D113						MAINS TYPE: MCB								
SUPPLY FROM: STD						BREAKER RATING: 450 A								
MOUNTING: Surface						BUS RATING: 600 A								
ENCLOSURE: Type 1						NEUTRAL RATING: 100.00%								
CALCULATED Isc: 7.705						MINIMUM KAIC: 10								
CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT		
1	VAV 3.10.3.11.3.16 D103, C100	20 A	1		150	1000			2	1	20 A	PWR: HEAT TAPE CH-2	2	
3	VAV 2.01-07 KITCHEN D118	20 A	1			350	1000		2	1	20 A	PWR: HEAT TAPE CH-1	4	
5	B-2: BOILER	20 A	1					1200	1440	1	20 A	REC: CHILLER YARD	6	
7	B-1: BOILER	20 A	1		1200								8	
9	PWR: CHP-1 CTRLS	20 A	1			500	0		--	1	20 A	SPARE	10	
11	PWR: CHP-2 CTRLS	20 A	1					500	0	--	1	20 A	SPARE	12
13	REC: VESTIBULE 1201	20 A	1		480	0			--	1	20 A	SPARE	14	
15	REC: FUTURE MAGOMETER VE...	20 A	1			960	0		--	1	20 A	SPARE	16	
17	REC: GUIDANCE/SOCIAL...	20 A	1					1440	804	1	20 A	GWH-2: MECHANICAL D115	18	
19	DISPLAY CASE	20 A	1		860	1400				1	20 A	GWH1: MECH D115	20	
21	REC: ELEC 1229	20 A	1			900	1400			1	20 A	GWH1: MECH D115	22	
23	PWR: EPO BUTTONS MECH D115	20 A	1					1000	0	--	1	20 A	SPARE	24
25	REC: MECHANICAL D115	20 A	1		1620	700				1	15 A	CP-1 (116HP) MECHANICAL D115	26	
27	PWR: MECH CTRL MECH 1230	20 A	1			1000	700			1	20 A	CP-2 (116HP) MECHANICAL D115	28	
29	DMS-3/CIU-3	25 A	2					1000	0	--	1	20 A	SPARE	30
31	3#10, #10G IN 1°C				1000	1000							32	
33	SPARE	20 A	2	--		0	500				3	60 A	GEN FNL REFER TO RISER DIAGRAM	34
35					39025	8566			0	0			36	
37						38465	9320						38	
39	REFER TO RISER DIAGRAM	300 A	3					38204	8510		3	100 A	ISPC REFER TO RISER DIAGRAM	40
41													42	
CONNECTED LOAD:					57001 VA	55095 VA	54084 VA							
CONNECTED AMPS:					476 A	460 A	451 A							
DEMAND AMPS:					404 A	391 A	383 A							

BREAKER NOTES:					PANEL NOTES:				
1=INDICATES BREAKER TYPE: 1=GFCl (6mA), 2= GECB (30mA/100mA), 3=SHUNT TRIP, 4=AFCl, 5=SUBFEED BREAKER, 6=Ll, 7=Ll, 8=Ll, 9= LOCKING DEVICE, 10=NEW BREAKER IN EXISTING, 11=EXISTING BREAKER.					PROVIDE PANEL WITH LI MAIN BREAKER.				
LOAD CLASSIFICATION		CONNECTED LOAD		Demand Factor	ESTIMATED DEMAND		PANEL TOTALS		
Lighting		1500 VA		125.00%		1875 VA	TOTAL LOAD: 186180 VA		
Motor		14435 VA		106.93%		15436 VA	DEMAND FACTOR: 84.86%		
Receptacle		58445 VA		58.56%		34223 VA	DEMAND LOAD: 141025 VA		
Kitchen Equipment Non-Dwelling Unit		57360 VA		100.00%		57360 VA	DEMAND AMPS: 391 A		
Power		7960 VA		100.00%		7960 VA			
Appliance - Dwelling Unit		125 VA		100.00%		125 VA			
Electric Clothes Dryer		5000 VA		100.00%		5000 VA			
Heating		8300 VA		100.00%		8300 VA			
Equipment		500 VA		100.00%		500 VA			
Kitchen Equipment - Non-Dwelling Unit		11590 VA		80.00%		9272 VA			

PANEL: 1HA						PRE PURCHASE						
LOCATION: ELEC A102						VOLTS: 480Y/277V 3PH						
SUPPLY FROM: MDS						PHASES: 3						
MOUNTING: Surface						WIRES: 4						
ENCLOSURE: Type 1						SE RATED: NO						
CALCULATED Isc: 10.688						MAINS TYPE: BREAKER RATING: 400 A BUS RATING: 1000 A NEUTRAL RATING: 100.00% MINIMUM KAIC: 35						
CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT
1	LTs: CTE CLASSROOM 1106	20 A	1		3350	0				20 A	SPARE	2
3	LTs: E/C CLASSROOM 1107	20 A	1			2797	0			20 A	SPARE	4
5	UH-9 (3.3KW): RISER A104	20 A	1				3300	0		20 A	SPARE	6
7	SPARE	20 A	1	--	0	0				20 A	SPARE	8
9	SPARE	20 A	1	--		0	0			20 A	SPARE	10
11	UH-2 (3.3KW): ELEC A102	20 A	1				3300	0		20 A	SPARE	12
13	SPARE	20 A	1	--	0	0				20 A	SPARE	14
15	SPARE	20 A	1	--		0	0			20 A	SPARE	16
17	SPARE	20 A	1	--			0	0		20 A	SPARE	18
19					0	0						20
21	SPARE	100 A	3	--		0	0					22
23							0	0				24
25	SPACE	--	2	--	27495							26
27						--	25019					28
29							14560	22211				30
31	ELEV: E1-1 REFER TO RISER DIAGRAM	125 A	3	6	14560	46334	14560	48406				32
33		--	1	--			--	48468				34
35	SPACE	--	3	--			--	--				36
37					--	--						38
39	SPACE	--	3	--			--	--				40
41							--	--				42
CONNECTED LOAD:					91739 VA	90781 VA	91839 VA					
CONNECTED AMPS:					332 A	328 A	332 A					
DEMAND AMPS:					295 A	291 A	295 A					
BREAKER NOTES: 1= INDICATES BREAKER TYPE: 1=GFCl (6mA), 2= GEGB (30mA/100mA), 3=SHUNT TRIP, 4=AFCI, 5=SUBFEED BREAKER, 6=LI, 7=LSI, 8=SIGS, 9=LOCKING DEVICE, 10=NEW BREAKER IN EXISTING, 11=EXISTING BREAKER.						PANEL NOTES: PROVIDE WITH LSI&M MAIN BREAKER.						
LOAD CLASSIFICATION		CONNECTED LOAD		Demand Factor		ESTIMATED DEMAND		PANEL TOTALS				
HVAC		1300 VA		100.00%		1300 VA		TOTAL LOAD: 274359 VA				
Lighting		13501 VA		125.00%		16876 VA		DEMAND FACTOR: 88.84%				
Motor		113944 VA		109.98%		124864 VA		DEMAND LOAD: 243737 VA				
Receptacle		98834 VA		55.01%		54917 VA		DEMAND AMPS: 293 A				
Power		16180 VA		100.00%		16180 VA						
Electric Clothes Dryer		5000 VA		100.00%		5000 VA						
Heating		16600 VA		100.00%		16600 VA						
Kitchen Equipment		8000 VA		100.00%		8000 VA						

PANEL: 1PA1						PRE PURCHASE								
LOCATION: ELEC A102			VOLTS: 208Y/120V 3PH			MAINS TYPE: MCB			BREAKER RATING: 350 A					
SUPPLY FROM: TALE			PHASES: 3			WIRE RATING: 4			BUS RATING: 400 A					
MOUNTING: Surface			SE RATED NO			NEUTRAL RATING: 100.00%			MINIMUM KAIC: 10					
ENCLOSURE: Type 1			CALCULATED ISC: 6.020											
CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT		
1	SPARE	20 A	1	--	0	540			1	20 A	REC: TLT A111, A107, 1100B	2		
3	SPARE	20 A	1	--		0	540		1	20 A	REC: STQ/TLT A103, A105, A101	4		
5	REC. TLT A115A	20 A	1				360	720	1	20 A	REC. RISER/ELEC A104, A102	6		
7	REC. CORRIDOR A100A	20 A	1		540	1080			1	20 A	REC. CLASSROOM A117	8		
9	REC. HOT BOX	20 A	1			180	1080		1	20 A	REC. CLASSROOM A117	10		
11	REC. CLASSROOM A116	20 A	1				360	360	1	20 A	REC. CLASS A117	12		
13	REC. CLASSROOM A116	20 A	1		1080	1080			1	20 A	REC. E/C CLASSROOM A115	14		
15	REC. CLASSROOM A116	20 A	1			1080	1080		1	20 A	REC. E/C CLASSROOM A115	16		
17	REC. CLASSROOM A116	20 A	1				360	360	1	20 A	REC. E/C CLASSROOM A115	18		
19	REC. CLASSROOM A110	20 A	1		900	360			1	20 A	REC. CLASSROOM A114	20		
21	REC. CLASSROOM A110	20 A	1			1080	1080		1	20 A	REC. CLASSROOM A114	22		
23	VAV 4.02 03.04.05.06.....	20 A	1				250	900	1	20 A	REC. CLASSROOM A116	24		
25	VAV 4.01.07.08.09.....	20 A	1		200	360			1	20 A	REC. CLASSROOM A112	26		
27	EF-9. CLASS A113..	25 A	1			1176	900		1	20 A	REC. CLASSROOM A112	28		
29	EF-10. E/C KITCHEN A113B	15 A	1				696	1080	1	20 A	REC. CLASSROOM A112	30		
31	FLR BX. CTE CLASSROOM A108	20 A	1		1080	360			1	20 A	REC. CTE CLASSROOM A108	32		
33	FLR BX. CTE CLASSROOM A108	20 A	1			1080	1440				REC. CTE CLASSROOM A108	34		
35	SPARE	20 A	1	--			0	1080	1	20 A	REC. CTE CLASSROOM A108	36		
37	PANEL 1P1C				10798	0			--	1	20 A	SPARE	38	
39	REFER TO RISER DIAGRAM	100 A	3			10974	960		1	1	20 A	REC. EWC BOYS A107	40	
41								9964	960	1	1	20 A	REC. EWC GIRLS A111	42
43	SPARE	--	1	--	--	3840								44
45	SPARE	--	1	--			--	6116		3	100 A	1PA2	46	
47	SPARE	--	1	--				--	4306			REFER TO RISER DIAGRAM	48	
49	PANEL 2PA1				16456	7660								50
51	REFER TO RISER DIAGRAM	125 A	3				14020	5620		3	100 A	PANEL 1P1K	52	
53								18172	8540			REFER TO RISER DIAGRAM	54	
CONNECTED LOAD:					46334 VA	48406 VA	48468 VA							
CONNECTED AMPS:					386 A	406 A	407 A							
DEMAND AMPS:					267 A	281 A	281 A							
BREAKER NOTES:					PANEL NOTES:									
1=INDICATES BREAKER TYPE: 1=GFCI (6mA), 2= GECB (30mA/100mA), 3=SHUNT TRIP, 4=NOI, 5=SUBRPT BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOCKING DEVICE, 10=NEW BREAKER IN EXISTING, 11=EXISTING BREAKER.														
LOAD CLASSIFICATION		CONNECTED LOAD		Demand Factor		ESTIMATED DEMAND		PANEL TOTALS						
HVAC		1300 VA		100.00%		1300 VA		TOTAL LOAD: 143208 VA						
Lighting		830 VA		125.00%		1038 VA		DEMAND FACTOR: 59.13%						
Motor		12064 VA		104.14%		12564 VA		DEMAND LOAD: 98990 VA						
Receptacle		99834 VA		55.01%		54917 VA		DEMAND AMPS: 275 A						
Power		16180 VA		100.00%		16180 VA								
Electric Clothes Dryer		5000 VA		100.00%		5000 VA								
Kitchen Equipment		8000 VA		100.00%		8000 VA								



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LOAD CLASSIFICATION

Lighting

Motor

Receptacle

Power

CONNECTED LOAD

740 VA

3392 VA

8910 VA

1220 VA

Demand Factor

125.00%

114.74%

100.00%

100.00%

ESTIMATED DEMAND

925 VA

3892 VA

8910 VA

1220 VA

PANEL TOTALS

TOTAL LOAD: 14280 VA

DEMAND FACTOR: 104.80%

DEMAND LOAD: 14947 VA

DEMAND AMPS: 41 A

LOCATION: MECHANICAL A201

SUPPLY FROM: 1PA1

MOUNTING: Surface

ENCLOSURE: Type 1

VOLTS: 208Y/120V 3PH

PHASES: 3

WIRES: 4

SER RATED: NO

MAINS TYPE: MCB

BREAKER RATING: 125 A

BUS RATING: 250 A

NEUTRAL RATING: 100.00%

CALCULATED Isc:

MINIMUM KAIC: 18

CKT	LOAD SERVED	CB	P	A	B	C		P	CB	LOAD SERVED	CK		
1	REC. COMPUTER LAB A204	20 A	1	900	180			1	20 A	REC. OFFICE WKRMR A202	2		
3	REC. COMPUTER LAB A204	20 A	1			900	180		1	REC. WKRMR A202	4		
5	REC. CART - COMP LAB A204	20 A	1					360	1080	1	REC. WKR RM A202, TLT A202A		
7	FLR BX: COMPUTER LAB A204	20 A	1	1080	360				1	20 A	REC. CART CLASSROOM A210		
9	FLR BX: COMPUTER LAB A204	20 A	1			1080	900		1	20 A	REC. CLASSROOM A210		
11	FLR BX: STEM CLASSROOM A206	20 A	1					1080	900	1	20 A	REC. CLASSROOM A210	
13	FLR BX: STEM CLASSROOM A206	20 A	1	1080	1080				1	20 A	REC. CLASSROOM A215, 2100		
15	REC. CART - STEM CLASSRM...	20 A	1			360	900		1	20 A	REC. CLASSROOM A215		
17	REC. STEM CLASSRM A206	20 A	1					1080	360	1	20 A	REC. CART - CLASSRM A215	
19	REC. STEM CLASSRM A206	20 A	1	1260	900				1	20 A	REC. CLASSROOM A212		
21	REC. CLASSRM A208	20 A	1			900	900		1	20 A	REC. CLASSROOM A212		
23	REC. CLASSRM A208	20 A	1					1080	360	1	20 A	REC. CART CLASSROOM A212	
25	REC. CART -CLASSROOM A208	20 A	1	360	720				1	20 A	REC. TLT A203, A207, A205		
27	EF-18-STD A209A (1/4HP)	15 A	1			720	720		1	20 A	REC. MECHANICAL A201		
29	EF-18-SCIENCE A209 (1/2HP)	25 A	1					1176	0	1	20 A	SPARE	
31	EF-17- PREP ROOM A209A (1/4HP)	15 A	1	700	0				--	1	20 A	SPARE	
33	SPARE	20 A	1	--		0	0		--	1	20 A	SPARE	
35	SPARE	20 A	1	--		0	0	0	0	--	1	20 A	SPARE
37	SPARE	20 A	1	--	0	200				1	20 A	VAV-4.21, 28-30	
39	SPARE	20 A	1	--		0	300			1	20 A	VAV-4.22-27, A204-2113	
41	SPARE	20 A	1	--				0	--	1176	0	1	EF-18 (1/2HP), SCIENCE A209

43	2PA3 REFER TO RISER DIAGRAM	60 A	3		2700	1176			2700	0	--	1	20 A	EF-19 (1/2HP) : SCIENCE A23	50	
45										3960	0	--	1	20 A	SPARE	46
49					3760	0						--	1	20 A	SPARE	50
51	2PA2 REFER TO RISER DIAGRAM	60 A	3					2520	960			1	1	20 A	REC. WATER FOUNTAIN	52
53												1	1	20 A	REC. WATER FOUNTAIN	54
CONNECTED LOAD:					16456 VA			14020 VA		18172 VA						
CONNECTED AMPS:					140 A			117 A		155 A						
DEMAND AMPS:					105 A			88 A		115 A						
BREAKER NOTES:					PANEL NOTES:											
* INDICATES BREAKER TYPE: 1 =GFCI (6mA), 2= GECB (30mA/100mA), 3=SHUNT TRIP, 4=AFCI, 5=SUBFEED BREAKER, 6=LI, 7=LSI, 8=LSL, 9= LOCKING DEVICE, 10=NEW BREAKER IN EXISTING, 11=EXISTING BREAKER.																
LOAD CLASSIFICATION					CONNECTED LOAD			Demand Factor			ESTIMATED DEMAND			PANEL TOTALS		
HVAC					500 VA			100.00%			500 VA			TOTAL LOAD: 48648 VA		
Motor					4628 VA			105.97%			5222 VA			DEMAND FACTOR: 75.18%		
Receptacle					34740 VA			64.39%			22370 VA			DEMAND LOAD: 36572 VA		
Power					8480 VA			100.00%			8480 VA			DEMAND AMPS: 102 A		

PANEL: 2SPC

LOCATION: MECHANICAL C200

SUPPLY FROM: TC

MOUNTING: Surface

ENCLOSURE: Type 1

VOLTS: 208Y/120V 3PH

PHASES: 3

WIRES: 4

SE RATED: NO

MAINS TYPE: MCB

BREAKER RATING: 50 A

BUS RATING: 100 A

NEUTRAL RATING: 100.00%

CALCULATED ISC:

MINIMUM KAIC:

CKT	LOAD SERVED	CB	P	*	A		B		C	*	P	CB	LOAD SERVED	CK		
1	EF-14: MECH C200	15 A	1		696	100					1	20 A	VAV-2.01A&B - DINNING	2		
3	REC: MECHANICAL 2200	20 A	1				1260	90			1	20 A	LTS. PENDANT RECEPTION 1202	4		
4	REC: REBOX CLASSRM 2113	20 A	1						180	500	1	20 A	PWR: BAS PNL #1 MECH C200	6		
7	PWR: BAS PNL #2 MECH C200	20 A	1		500	500					1	20 A	PWR: BAS PNL #3 MECH C200	8		
9	PWR: NAC PNL	20 A	1	9			500	0			--	1	20 A	SPARE		
11	REC: BDA MECHANICAL C200	20 A	1		1176	0			360	0	--	1	20 A	SPARE	10	
13	PHCP-1 (1/2HP) MECHANICAL	20 A	1				0				--	1	20 A	SPARE	14	
16	SPARE	20 A	1				0				--	1	20 A	SPARE	16	
17	SPARE	20 A	1				0		0		--	1	20 A	SPARE	18	
CONNECTED LOAD:					2972 VA		1850 VA		1040 VA							
CONNECTED AMPS:					26 A		16 A		9 A							
DEMAND AMPS:					27 A		17 A		9 A							
BREAKER NOTES:					PANEL NOTES:											
* INDICATES BREAKER TYPE: 1 =GFCI (6mA), 2= GECB (30mA/100mA), 3=SHUNT TRIP, 4=AFCI, 5=SUBFEED BREAKER, 6=LI, 7=LSI, 8=LSL, 9= LOCKING DEVICE,																

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PANEL: GEN PNL													
LOCATION: 208Y/120V 3PH				MAINS TYPE: MCB									
SUPPLY FROM: SPD				BREAKER RATING: 60 A									
MOUNTING: Surface				BUS RATING: 100 A									
ENCLOSURE: Type 1				NEUTRAL RATING: 100.000%									
SE RATED: no				MINIMUM KAIC: 10									
CALCULATED Ibc:													
CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT	
1	BLOCK HEATER	20 A	2		500	500			1	20 A	BATTERY CHARGER	2	
3						500						4	
5												6	
7												8	
9												10	
11												12	
13												14	
15												16	
17												18	
CONNECTED LOAD:					1000 VA	500 VA	0 VA						
CONNECTED AMPS:					9 A	5 A	0 A						
DEMAND AMPS:					9 A	5 A	0 A						
BREAKER NOTES:					PANEL NOTES:								
INDICATES BREAKER TYPE: 1=GFIC (6mA), 2= GECB (30mA/100mA), 3=SHUNT TRIP, 4=AFCI, 5=SUBFEED BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOCKING DEVICE, 10=NEW BREAKER IN EXISTING, 11=EXISTING BREAKER.					FURNISHED IN PRE PURCHASE PACKAGE								
LOAD CLASSIFICATION					CONNECTED LOAD	Demand Factor	ESTIMATED DEMAND	PANEL TOTALS					
Power					500 VA	100.00%	500 VA	TOTAL LOAD: 1500 VA					
Heating					1000 VA	100.00%	1000 VA	DEMAND FACTOR: 100.00%					
								DEMAND LOAD: 1500 VA					
								DEMAND AMPS: 9 A					



## STANDARD FEEDER CHART

## THREE PHASE, NEUTRAL, &amp; EQUIPMENT GROUND

FEEDER TAG	AMPACITY (A)	COPPER FEEDER SIZE#3
50Y	50	3#8, 1#8N, 1#10G IN 1" C
60Y	60	3#6, 1#6N, 1#10G IN 1" C
100Y	100	3#3, 1#3N, 1#6G IN 1-1/4" C
125Y	130	3#1, 1#1N, 1#6G IN 1-1/2" C
150Y	150	3#1/0, 1#1/0N, 1#6G IN 1-1/2" C
200Y	200	3#3/0, 1#3/0N, 1#6G IN 2" C
225Y	230	3#4/0, 1#4/0N, 1#4G IN 2-1/2" C
250Y	255	3-250kcmil, 1-250kcmil N, 1#4G IN 2-1/2" C
300Y	300	3-350kcmil, 1-350kcmil N, 1#4G IN 2-1/2" C
350Y	380	3-500kcmil, 1-500kcmil N, 1#3G IN 4" C
400Y	460	2 SETS OF 3#4/0, 1#4/0N, 1#3G IN 2-1/2" C EACH SET
500Y	500	2 SETS OF 3-250kcmil, 1-250kcmil N, 1#2G IN 2-1/2" C EACH SET
600Y	600	2 SETS OF 3-350kcmil, 1-350kcmil N, 1#1G IN 2-1/2" C EACH SET
800Y	800	3 SETS OF 3-300kcmil, 1-300kcmil N, 1#1/0G IN 2-1/2" C EACH SET

## THREE PHASE, NEUTRAL, &amp; GROUNDING ELECTRODE

FEEDER TAG	AMPACITY (A)	COPPER FEEDER SIZE#3
50YT	100	3#8, 1#8N, 1#10G IN 1" C
100YT	100	3#3, 1#3N, 1#6G IN 1-1/4" C
150YT	150	3#1/0, 1#1/0N, 1#6G IN 1-1/2" C
225YT	230	3#4/0, 1#4/0N, 1#2G IN 2-1/2" C
350YT	380	3-500kcmil, 1-500kcmil N, 1#1/0G IN 4" C
400YT	400	2 SETS OF 3#3/0, 1#3/0N, 1#2G IN 2" C EACH SET
450YT	450	2 SETS OF 3#4/0, 1#4/0N, 1#1/0G IN 2-1/2" C EACH SET
600YT	600	2 SETS OF 3-350kcmil, 1-350kcmil N, 1#2/0G IN 2-1/2" C EACH SET
800YT	800	3 SETS OF 3-300kcmil, 1-300kcmil N, 1#2/0G IN 2-1/2" C EACH SET

## THREE PHASE &amp; EQUIPMENT GROUND (NO NEUTRAL)

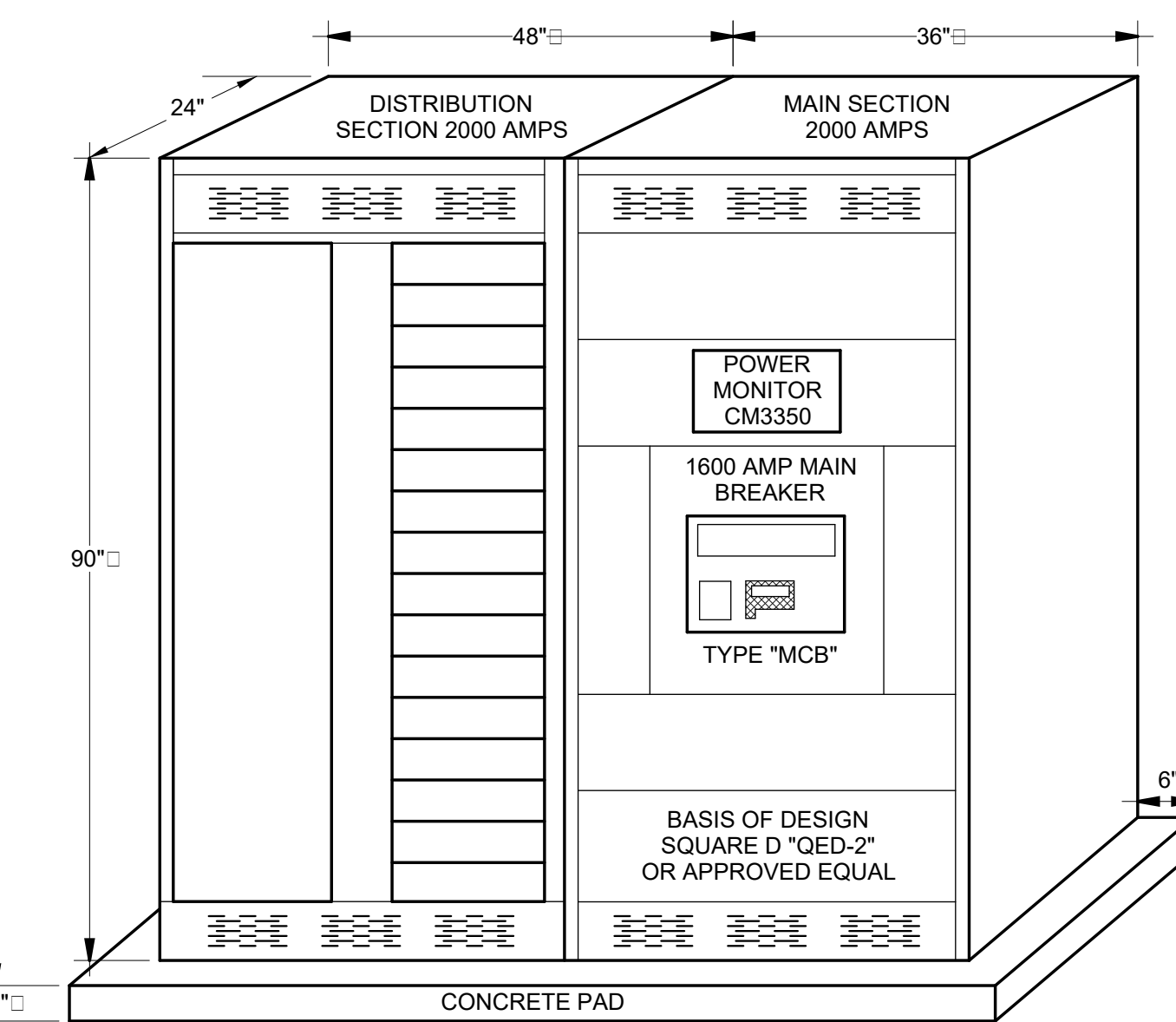
FEEDER TAG	AMPACITY (A)	COPPER FEEDER SIZE#3
25A	30	3#10, 1#10G IN 3/4" C
50A	50	3#8, 1#10G IN 3/4" C
70A	65	3#6, 1#8G IN 3/4" C
80A	85	3#4, 1#8G IN 1" C
90A	85	3#4, 1#8G IN 1" C
100A	100	3#3, 1#8G IN 1" C
110A	115	3#2, 1#6G IN 1-1/4" C
125A	130	3#1, 1#6G IN 1-1/4" C
150A	150	3#1/0, 1#6G IN 1-1/2" C
175A	175	3#2/0, 1#6G IN 1-1/2" C
200A	200	3#3/0, 1#6G IN 2" C
250A	255	3-250kcmil, 1#4G IN 2" C

## THREE PHASE &amp; GROUNDED NEUTRAL (SERVICE)

FEEDER TAG	AMPACITY (A)	COPPER FEEDER SIZE#3
1600SE	1600	5 SETS OF 3-400kcmil, 1-400kcmil GN IN 4" C EACH SET

## NOTES:

- AMPACITY LISTED IS BASED ON NEC TABLE 310.15(B)(16) AND THE 75°C RATING COLUMN UNLESS LIMITED BY EQUIPMENT GROUNDING CONDUCTOR PER NEC TABLE 250.122. IF TERMINALS OR SPLICES RATED LESS THAN 75°C ARE ENCOUNTERED CONTRACTOR SHALL RESIZE PHASE CONDUCTOR AND EQUIPMENT GROUND ACCORDINGLY.
- IF PHASE CONDUCTORS ARE INCREASED ABOVE SIZE LISTED FOR ANY REASON, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE INCREASED PROPORTIONALLY BASED ON CIRCULAR MIL AREA PER NEC 250.122(B).
- CONDUIT SIZE IS BASED ON THHN/THWN CONDUCTORS IN EMT. CONTRACTOR SHALL ADJUST CONDUIT SIZE PER NEC CHAPTER 9, TABLE 1.



## NEW SWITCHBOARD ELEVATION

Scale: N.T.S.

## SWITCHBOARD: MDS

LOCATION: ELEC D113  
SUPPLY FROM:  
MOUNTING: FLOOR  
ENCLOSURE: NEMA 1

VOLTS: 480Y/277V 3PH  
PHASES: 3  
WIRES: 4  
SE RATED: yes  
CALCULATED Ise: 21.11

MAINS TYPE: MCB  
MCB RATING: 1600 A  
BUS RATING: 2000 A  
NEUTRAL RATING: 100.00%  
MINIMUM KAIC: 65

CKT	LOAD SERVED	P	FRAME SIZE	TRIP RATING	SECTION #	A	B	C	NOTES
1	SPD	3	250 A	60 A	--	0 VA	0 VA	0 VA	
2	SPARE	3	400 A	250 A	8	0 VA	0 VA	0 VA	
3	CH-1	3	400 A	250 A	8	63560 VA	63560 VA	63560 VA	
4	CH-2	3	400 A	250 A	8	63560 VA	63560 VA	63560 VA	
5	1HA	3	400 A	400 A	8	91739 VA	90781 VA	91839 VA	
6	SPARE	3	400 A	400 A	8	0 VA	0 VA	0 VA	
7	SHD VIA ATS	3	1000 A	800 A	8	175902 VA	166556 VA	158527 VA	
8	SPARE	3	1000 A	800 A	8	0 VA	0 VA	0 VA	
						394760 VA	384457 VA	377486 VA	
						1429 A	1392 A	1363 A	

## BREAKER NOTES (N):

\*INDICATES BREAKER TYPE: 3=SHUNT TRIP, 6=LI, 7=LSI, 8=LSIG, 9=LOCKING DEVICE, 10=NEW BREAKER IN EXISTING, 11=EXISTING BREAKER.

## PANEL NOTES:

PROVIDE ALL BREAKERS WITH LSI/G TRIP UNITS. PROVIDE MAIN WITH LSI/G AND ARC FLASH REDUCTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SWITCHBOARD.

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
HVAC	2400 VA	100.00%	2400 VA	TOTAL LOAD: 1156704 VA
Lighting	40741 VA	125.00%	50926 VA	DEMAND FACTOR: 97.43%
Motor	758166 VA	106.29%	805836 VA	DEMAND LOAD: 1126971 VA
Other	500 VA	100.00%	500 VA	DEMAND AMPS: 1356 A
Receptacle	180539 VA	52.77%	95270 VA	
Kitchen Equipment Non-Dwelling Unit	57360 VA	100.00%	57360 VA	
Power	27140 VA	100.00%	27140 VA	
Appliance - Dwelling Unit	125 VA	100.00%	125 VA	
Electric Clothes Dryer	15000 VA	100.00%	15000 VA	
Heating	54668 VA	100.00%	54668 VA	
Equipment	500 VA	100.00%	500 VA	
Kitchen Equipment - Non-Dwelling Unit	11590 VA	80.00%	9272 VA	
Kitchen Equipment	8000 VA	100.00%	8000 VA	

ELEC - DRY TYPE TRANSFORMER SCHEDULE 1									
ID	VA	POLE	VOLTAGE	PH	VOLTAGE	PH	CORE MATL	MOUNTING	NEMA
STD	150000 VA	3	480 V	3	208 V	3	COPPER	FLOOR	Type 2
STE	150000 VA	3	480 V	3	208 V	3	COPPER	FLOOR	Type 2
TA	112500 VA	3	480 V	3	208 V	3	COPPER	FLOOR	Type 2
TC	30000 VA	3	480 V	3	208 V	3	COPPER	FLOOR	Type 2

DISCONNECT SWITCH SCHEDULE (BY DIV 26)						
ID	Voltage	POLE	Size_Switch	Size_Fuse	VOLTAGE	NEMA
KILN	480	3	200	60	480 V	Type 1
FUSS	480	3	800	800	480 V	Type 1
FREEZER EVAP.	240	2	200	N/A	208 V	Type 4x
FREEZER COND.	208	3	200	N/A	208 V	Type 4x
ELEVATOR DISCONNECT**	480	3	200	125	480 V	Type 1
COOLER EVAP.	240	1	20	20	120 V	Type 4x
COOLER COND.	208	3	200	N/A	208 V	Type 4x
CAB LIGHTS DISCONNECT	240	1	30	20	120 V	Type 1

## GENERAL NOTES:

- ELECTRICAL CONTRACTOR TO PREPARE BREAKER OVERCURRENT/GROUND FAULT SETTING COORDINATION, FAULT CURRENT ANALYSIS, AND ARC FLASH REPORTS AS INDICATED IN SPECIFICATION SECTION 260571 - POWER SYSTEM STUDY. INITIAL SUBMITTAL SHALL BE PROVIDED WITH INITIAL SWITCHGEAR SUBMITTAL. GEAR SUBMITTALS WITHOUT THE INITIAL SUBMITTAL FAULT CURRENT, COORDINATION, AND ARC FLASH REPORT WILL BE REJECTED.
- PROVIDE ENGRAVED PHENOLIC LABEL WITH AVAILABLE FAULT CURRENT (AS PROVIDED BY UTILITY COMPANY) ON THE MDP PER NEC REQUIREMENTS. SIGN SHALL BE DATED.
- CONTRACTOR SHALL PROVIDE FAULT-CURRENT LABELING ON ALL OTHER ATS AND PANELBOARDS PER NEC 406.6.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL PREPURCHASED EQUIPMENT. CONTRACTOR SHALL BE PROVIDED WITH SHOP DRAWINGS OF REVIEWED ELECTRICAL EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EQUIPMENT PADS, INCLUDING THE GENERATOR.

## KEYED NOTES:

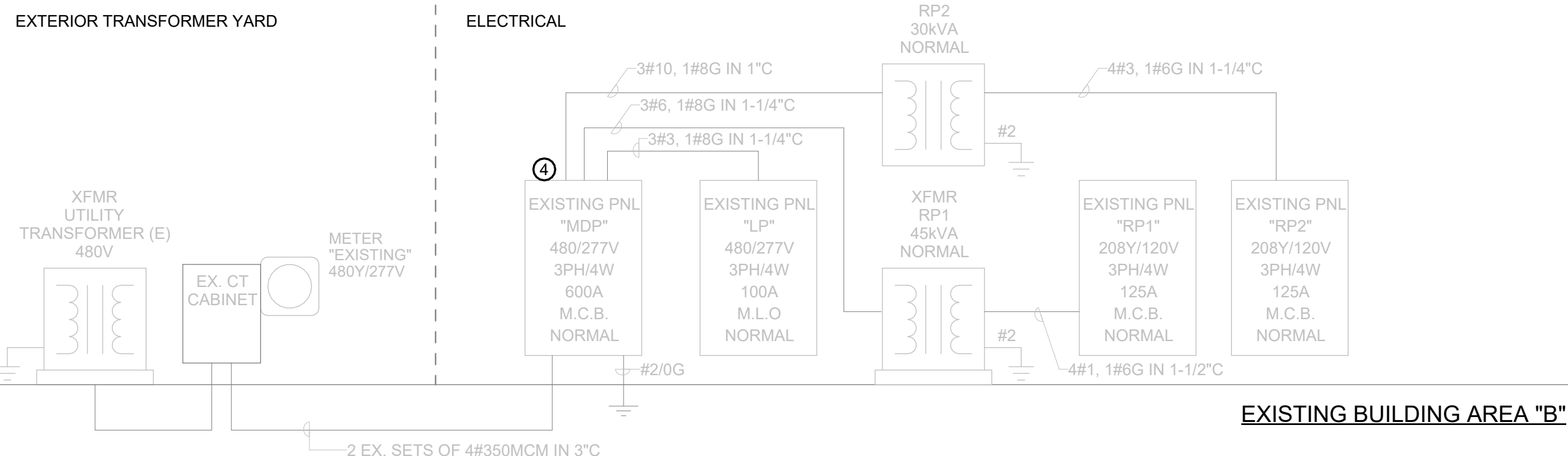
- UTILITY TRANSFORMER PAD BY EC. PAD PER UTILITY REQUIREMENTS.
- PROVIDE 600V, 3-POLE, 300A DISCONNECT FUSED AT 250A IN NEMA 4X ENCLOSURE.
- REMOVE BONDING JUMPER.
- PROVIDE SIGNAGE ON MAIN ELECTRICAL ROOM B107, D113, AND AT THE MDS AND MDP SWBD/PANELS. SIGNAGE IN ACCORDANCE TO NEC 230.2 (E) IDENTIFICATION. SIGNAGE TO STATE "SCHOOL BUILDING CAMPUS FED FROM MULTIPLE SOURCES. ALL CIRCUITS IN "AREA B" OR ROOMS THAT START WITH "B" ARE FED FROM "MDP" DISTRIBUTION SERVICE LOCATED IN B107. ALL OTHER POWER FOR THE REMAINDER OF THE ROOMS IN THE MAIN SCHOOL BUILDING IS FED FROM "MDS" LOCATED IN ELECTRICAL ROOM D113. SIGNAGE SHALL ONLY BE REQUIRED IF BUILDING IS ATTACHED TO MAIN SCHOOL BUILDING.
- INSTALL ONE OF THE CHILLER FEEDERS FROM THE TOP OF THE SWITCHBOARD TO A JUNCTION BOX IN THE ELECTRICAL ROOM AND THEN CONTINUE ROUTING TO CHILLER FROM BELOW NEW SLAB. JUNCTION BOX SHALL ALLOW FOR CHILLER TO EASILY BE ADDED TO DISTRIBUTION PANEL AT A JUNCTION. LABEL JUNCTION BOX IN ELECTRICAL ROOM AS "CHILLER FEEDER".
- PROVIDE PANELBOARD FOR ALTERNATE AREA A ONLY. DO NOT PROVIDE AS BASE BID.

## ABBREVIATIONS LEGEND:

ECB ENCLOSED CIRCUIT BREAKER  
NFS NON-FUSED SWITCH  
FS FUSED SWITCH

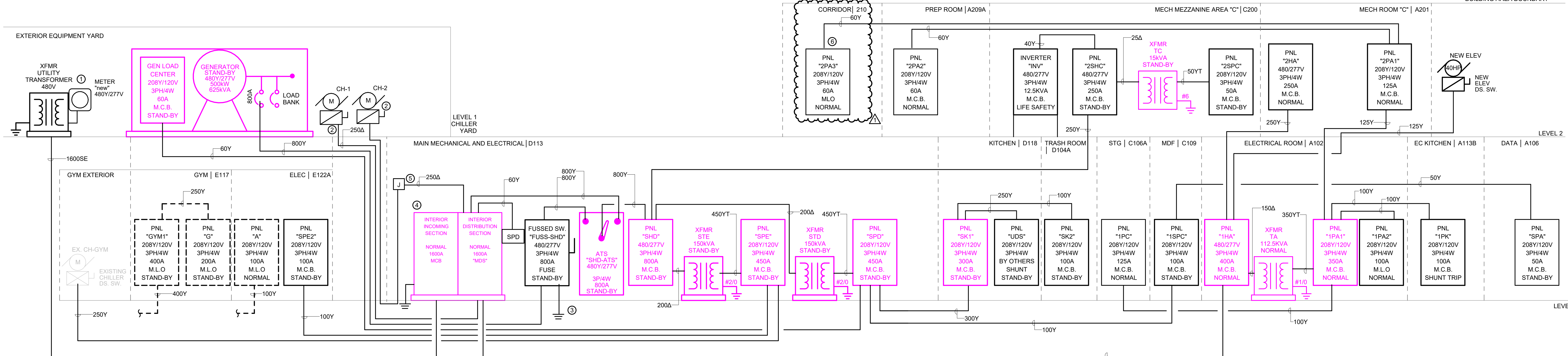
## LINETYPE LEGEND:

NEW WORK  
PRE-PURCHASE EQUIPMENT  
DEMOLITION WORK  
EXISTING EQUIPMENT TO REMAIN  
BUILDING FLOOR  
BUILDING AREA BOUNDARY



## ELECTRICAL RISER DIAGRAM EXISTING CLASSROOM BUILDING "B"

Scale: N.T.S.



## ELECTRICAL RISER DIAGRAM 1

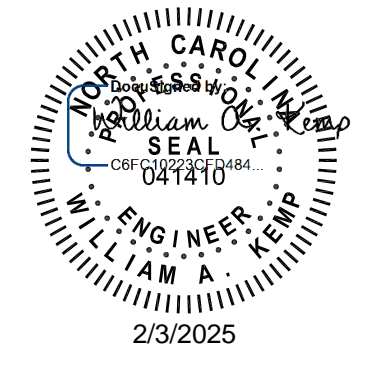
Scale: N.T.S.



**ROSEWOOD MIDDLE SCHOOL ADDITION  
AND RENOVATION**  
WAYNE COUNTY PUBLIC SCHOOLS

541 North Carolina 561 S. Goldsboro, NC 27530

**SEALS**



**DKA JOB NUMBER**  
2401

**DEWBERRY NUMBER**  
50171439

**REVISIONS**

1 Addendum #1 02/03/2025


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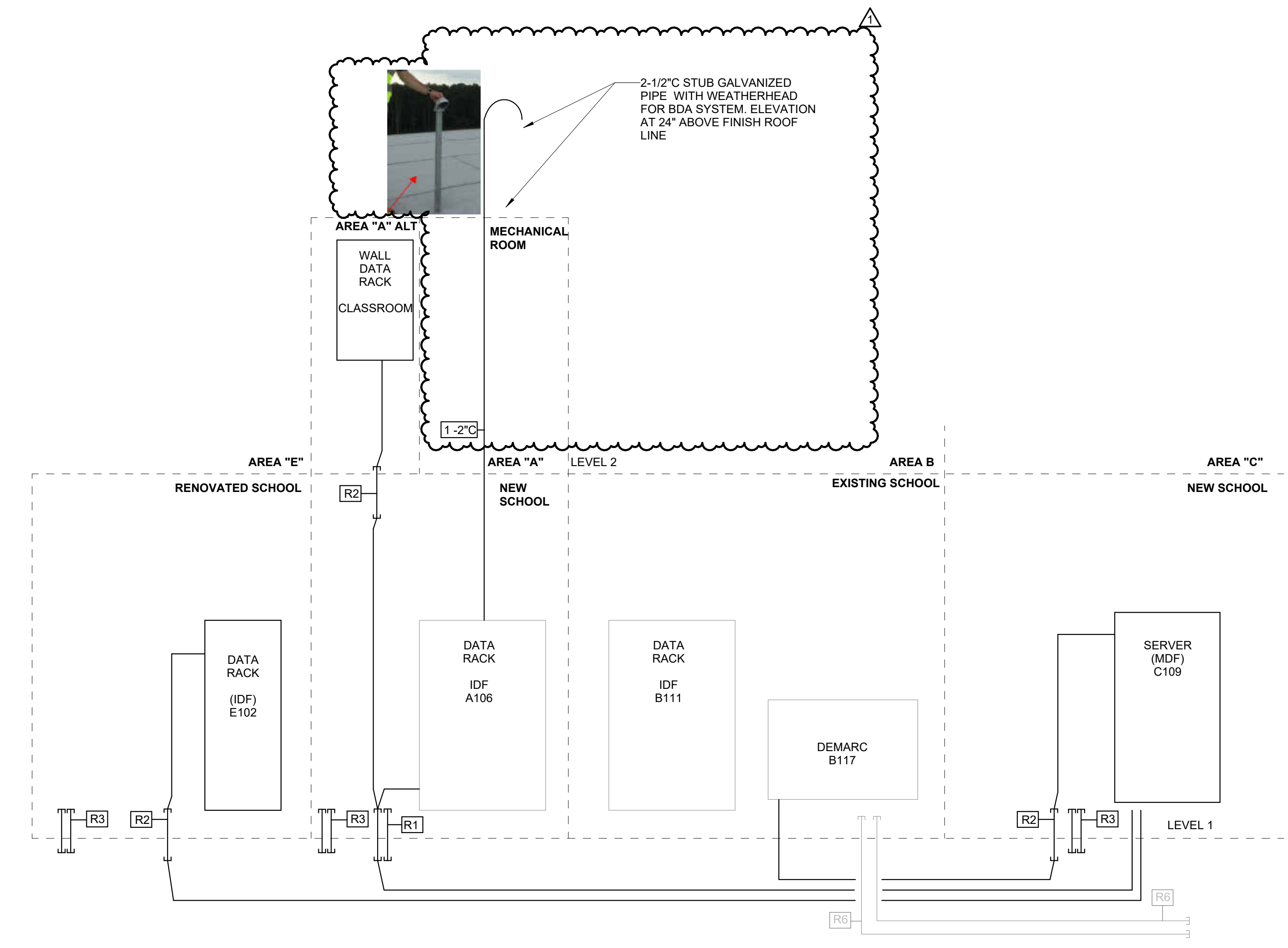
PA: ROBERT STEVENSON  
PM: BK  
Drawn By: MEH  
Plot Date: 1/30/2025 2:00:32 PM

**DATE ISSUED**

**BID DOCUMENTS**  
01/10/2025

**SHEET TITLE**  
FIRE ALARM RISER  
DIAGRAM

**E09.02**



**GENERAL NOTES:**

1. PROVIDE CONDUIT FOR FIBER SERVICE AND CONDUIT FOR FIBER TO CONNECT THE NEW DATA RACKS.
2. DATA RACKS AND FIBER CABLING PROVIDED BY OTHERS.
3. PROVIDE ALL CONDUIT WITH PULL STRINGS AND LABEL ON THE SIDE OF THE CONDUIT WITH TERMINATION LOCATION.

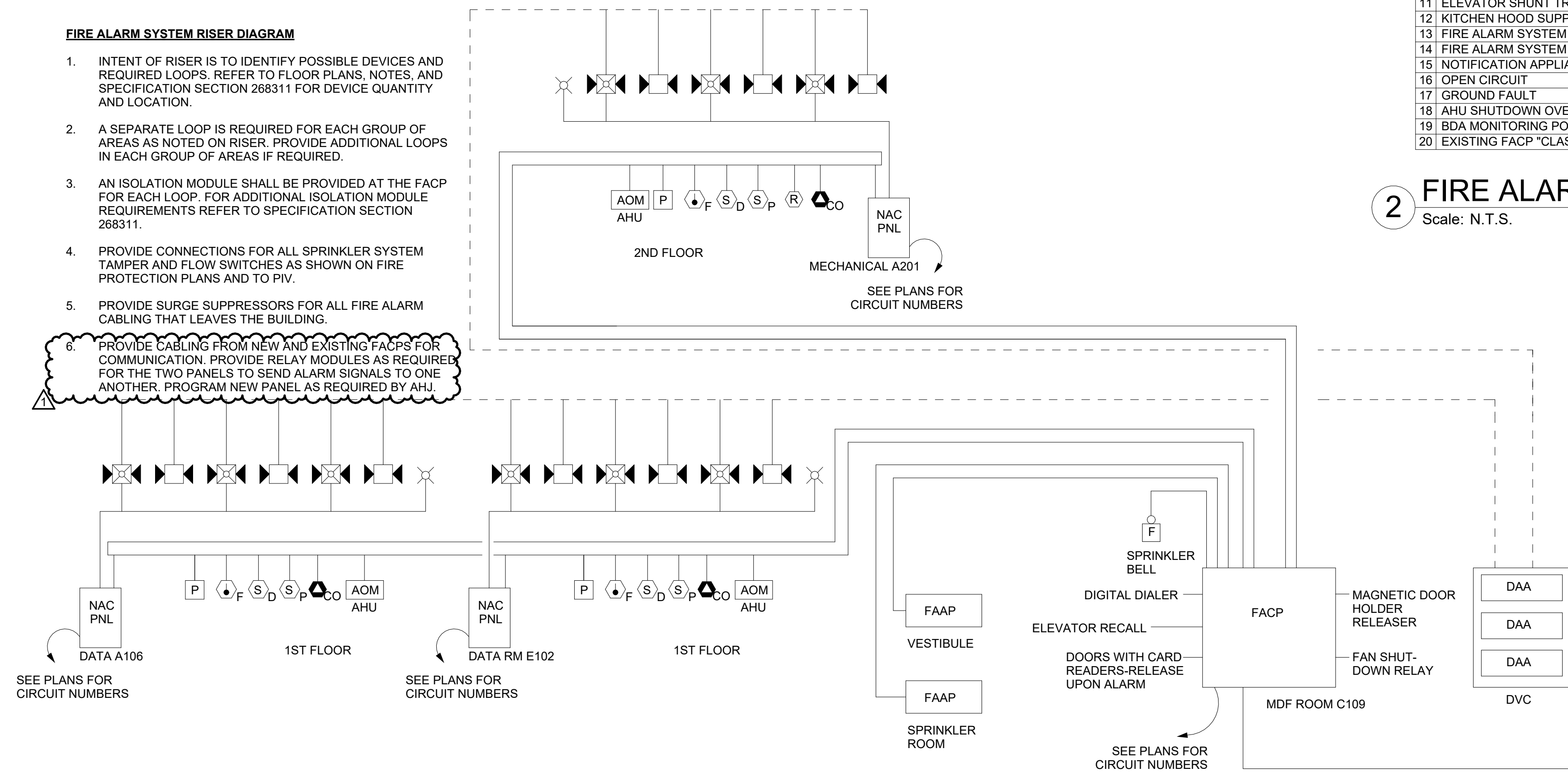
**CONDUIT TAG DESCRIPTION**

- R1 2-4" C FOR FIBER TO TWO CLOSETS.
- R2 1-4" C FOR FIBER TO IDF CLOSETS
- R3 2-3" C W/ MAXCELL INTERDUCT IN EACH FROM IDF 1142 (MDF CLOSET) TO ALL IDF CLOSETS IN NEW ADDITION AS INDICATED.
- R5 1-3" C W/ MAXCELL INTERDUCT IN EACH FROM IDF 1142 (MDF) CLOSET TO ELEC RM IN CONCESSIONS BUILDING
- R6 EXISTING CONDUIT AND SERVICE SHALL REMAIN.

**3 TELECOM RISER DIAGRAM**  
Scale: N.T.S.

**FIRE ALARM SYSTEM RISER DIAGRAM**

1. INTENT OF RISER IS TO IDENTIFY POSSIBLE DEVICES AND REQUIRED LOOPS. REFER TO FLOOR PLANS, NOTES, AND SPECIFICATION SECTION 268311 FOR DEVICE QUANTITY AND LOCATION.
2. A SEPARATE LOOP IS REQUIRED FOR EACH GROUP OF AREAS AS NOTED ON RISER. PROVIDE ADDITIONAL LOOPS IN EACH GROUP OF AREAS IF REQUIRED.
3. AN ISOLATION MODULE SHALL BE PROVIDED AT THE FACP FOR EACH LOOP. FOR ADDITIONAL ISOLATION MODULE REQUIREMENTS REFER TO SPECIFICATION SECTION 268311.
4. PROVIDE CONNECTIONS FOR ALL SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES AS SHOWN ON FIRE PROTECTION PLANS AND TO FV.
5. PROVIDE SURGE SUPPRESSORS FOR ALL FIRE ALARM CABLING THAT LEAVES THE BUILDING.
6. PROVIDE CABLING FROM NEW AND EXISTING FACPS FOR COMMUNICATION. PROVIDE RELAY MODULES AS REQUIRED FOR THE TWO PANELS TO SEND ALARM SIGNALS TO ONE ANOTHER. PROGRAM NEW PANEL AS REQUIRED BY AHJ.



**1 FIRE ALARM RISER DIAGRAM**  
Scale: N.T.S.

**SYSTEM INPUTS**

- 1 MANUAL FIRE ALARM BOXES
- 2 AREA SMOKE & HEAT DETECTORS
- 3 CARBON MONOXIDE DETECTORS
- 4 SMOKE DETECTOR ELEVATOR LOBBY - FIRST FLOOR
- 5 SMOKE DETECTOR ELEVATOR LOBBY - SECOND FLOOR
- 6 SMOKE DETECTORS - ELEVATOR HOISTWAY/MACHINE ROOM
- 7 HEAT DETECTORS - ELEVATOR HOISTWAY/MACHINE ROOM
- 8 DUCT DETECTORS
- 9 SPRINKLER SYSTEM - WATER FLOW SWITCHES
- 10 SPRINKLER SYSTEM - PRESSURE & TAMPER SWITCHES
- 11 ELEVATOR SHUNT TRIP SUPERVISORY
- 12 KITCHEN HOOD SUPPRESSION SYSTEM
- 13 FIRE ALARM SYSTEM - AC POWER FAILURE
- 14 FIRE ALARM SYSTEM - LOW BATTERY
- 15 NOTIFICATION APPLIANCE CIRCUIT SHORT
- 16 OPEN CIRCUIT
- 17 GROUND FAULT
- 18 AHU SHUTDOWN OVERRIDE SWITCH
- 19 BDA MONITORING POINTS
- 20 EXISTING FACP "CLASSROOMS AREA B"

**2 FIRE ALARM OPERATION MATRIX**  
Scale: N.T.S.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

