New CTE Building For Bertie High School

Bertie County Schools

716 US 13 North / NCDPS Unit 080 - School 312 Windsor / Bertie County / North Carolina



STRUCTURAL CONSULTANT:

QUEEN ENGINEERING & DESIGN, P.A.

5530 Munford Road Raleigh, North Carolina 27612 tel (919) 420-0480

CIVIL CONSULTANT:

RIVERS AND ASSOCIATES, INC.

107 East 2nd Street Greenville, North Carolina 27858 tel (252) 752-4135

MEPT ENGINEERING CONSULTANT:

ENGINEERING SOURCE, P.A

102 Regency Boulevard Greenville, North Carolina 27834 tel (252) 439-0338

ABBREVIATIONS ABOVE FINISH FLOOR JΤ JOINT ANGLE AB ANCHOR BOLT LAV LAVATORY MAS MASONRY BACK TO BACK (CURB) MAXIMUM MARKER BOARD BOARD METAL BRICK COURSE MECHANICAL CONTRACTOR BUILDING METAL THRESHOLD CAST IRON MIN MINIMUM CPT CARPET MISC MISCELLANEOUS CATCH BASIN NOMINAL CEILING NORTH CEILING TILE NIC NOT IN CONTRACT CHALKBOARD NTS NOT TO SCALE CONSTRUCTION JOINT ON CENTER CONC CONCRETE OPG OPENING CMU CONCRETE MASONRY UNIT OPP OPPOSITE CORNER GUARD PC PLUMBING CONTRACTOR CMP CORRUGATED METAL PIPE PLAS PLASTER CONT. CONTINUOUS PLATE C & R CURTAIN & ROD PT PRESSURE TREATED C & T CURTAIN & TRACK RADIUS DIAMETER REF REFERENCE DIMENSION RENIF REINFORCED DOWNSPOUT RCP REINFORCE CONCRETE PIPE DRAWER REQ'D REQUIRED EACH RFS RUBBER FASTENING STRIP ELECTRICAL CONTRACTOR RIGID INSULATION EIFS EXTERIOR INSULATION & FIN SYSTEM R/W RIGHT OF WAY ELECT ELECTRICAL ROOF DRAIN EWC ELECTRIC WATER COOLER ROOF DRAIN LEADER ELEV ELEVATION RGH ROUGH EQ EQAUL SCHED SCHEDULED ETR EXISTING TO REMAIN SH SHELF SHTG SHEATHING EXIST EXISTING EXPOSED, EXPANSION SIM SIMILAR EXPANSION JOINT SPEC SPECIFIED F/F FACE TO FACE (CURB) SPECS SPECIFICATIONS FIN FINISH STD STANDARD FIRE EXTINGUISHER SUSP SUSPENDED FEC FIRE EXTINGUISHER CABINET TACKBOARD FHC FIRE HOSE CABINET TYPICAL FTG FOOTING TYPICAL CONTROL JOINT FLOOR DRAIN UON UNLESS OTHERWISE NOTED URINAL FLEXIBLE SHEET ROOFING VAPOR BARRIER GYPSUM WALLBOARD VERT VERTICAL GENERAL CONTRACTOR VCT VINYL COMPOSITION TILE

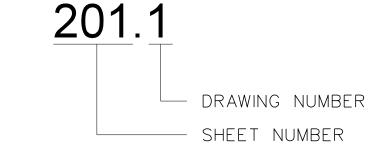
DRAWING SYMBOLS

WC WATER CLOSET

W/ WITH

WWF WELDED WIRE FABRIC

DRAWING IDENTIFICATION MARKERS





HM

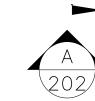
HOR

HOLLOW METAL

HORIZONTAL

INSUL INSULATION

SECTION MARKER



ELEVATION (DRAWINGS)

(123)

DOOR MARKER/NUMBER

HIDDEN LINE OR ABSTRACT LINE LINE ABOVE

MATERIAL SYMBOLS

EARTH

MORTAR OR GROUT

----- CENTERLINE

CONCRETE

CONCRETE MASONRY UNIT

STEEL

ROUGH WOOD (CONTINUOUS)

ROUGH WOOD (INTERMITTENT)

FINISH WOOD

PLYWOOD

BATT OR BLOWN INSULATION

RIGID INSULATION

METAL STUD / GYPBOARD WALL

DRAWING INDEX

COVER INDEX / LEGEND / ABBREVIATIONS

BCS-100 BUILDING CODE SUMMARY - NEW CTE BUILDING

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FRA-001 FIRE RATED ASSEMBLIES

OVERALL SITE PLAN

SITE DEMOLITION PLAN

SITE GEOMETRY PLAN ENLARGED RAMP PLAN

INITIAL SITE E&SC SITE GRADING & DRAINAGE PLAN

DRAINAGE STRUCTURES

DRAINAGE STRUCTURES

CONCRETE DETAILS

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NCG01 PERMIT NOTES

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FLOOR PLAN PLATFORM PLAN

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A-109 INTERIOR ELEVATIONS - COSMETOLOGY INTERIOR ELEVATIONS - AUTOMOTIVE

INTERIOR ELEVATIONS - WELDING

A-112 INTERIOR ELEVATIONS - CARPENTRY INTERIOR ELEVATIONS - AGRICULTURE

A-114 INTERIOR ELEVATIONS - HVAC

BUILDING SECTIONS BUILDING SECTIONS

BUILDING SECTIONS

WALL SECTIONS WALL SECTIONS

WALL SECTIONS WALL SECTIONS

A-208 WALL SECTIONS

WALL SECTIONS WALL SECTIONS

WALL SECTIONS

WALL SECTIONS WALL SECTIONS

WALL SECTIONS

WALL SECTIONS

WALL SECTIONS

WALL SECTIONS

DOOR SCHEDULE & ELEVATIONS

DOOR DETAILS WINDOW DETAILS

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FOUNDATION PLAN

PLATFORM FRAMING PLAN PLATFORM FRAMING PLAN

ROOF FRAMING PLAN

ROOF FRAMING PLAN

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STRUCTURAL DETAILS & SCHEDULES

S-1103 STRUCTURAL DETAILS & SCHEDULES S-1104 STRUCTURAL DETAILS & SCHEDULES

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FS-102 PLATFORM SPRINGLER PLAN

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PLUMBING NOTES & SCHEDULES, DETAILS

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CHILLED WATER SYSTEM FLOW DIAGRAM MECHANICAL PLAN

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POWER RISER DIAGRAM ELECTRICAL SCHEDULES & DETAILS

ELECTRICAL SCHEDULES & DETAILS

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E-104 PLATFORM LIGHTING PLAN

FA-001 FIRE ALARM NOTES & DETAILS FA-101 FIRE ALARM PLAN

IT-001 IT NOTES, DETAILS, LEGEND

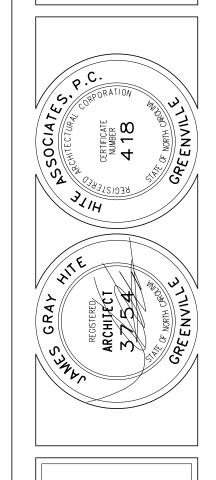
FA-102 PLATFORM FIRE ALARM PLAN

IT-101 SECURITY FLOOR PLAN

IT-102 IT PLAN

IT-103 IT PLATFORM PLAN

SSOCIATECHNOLOGY **45** # HITE ARCHITECTUR
2600 Meridian Dr.



High School NEW CA

December 18, 2024

Building Code Summary New CTE Building

Name of Project: <u>CTE Addition for Bertie High School</u> 716 US 13 North, Windsor, NC 27983 Proposed Use: <u>Education</u> Owner or Authorized Agent: <u>James G. Hite</u> Phone No. (252) 757-0333 e-mail jgh@hiteassoc.com Private Code Enforcement Jurisdiction: $\overline{\mathbf{X}}$ City County State LEAD DESIGN PROFESSIONAL: James G. Hite, AIA Designer License # Telephone # e-mail Architectural NC 3754 (252) 757-0333 jgh@hiteassoc.com Civil Rivers & Associates Stephen J. Janowski, P.E. NC 12324 (252) 714-3002 sjanowski@riversandassociates.com Electrical Engineering Source Wilson Pou, P.E. NC 021993 (252) 439-0338 Wilson@engrsource.com Fire Alarm Engineering Source Wilson Pou, P.E. NC 021993 (252) 439-0338 Wilson@engrsource.com Plumbing Engineering Source Wilson Pou, P.E. NC 021993 (252) 439-0338 Wilson@engrsource.com Engineering Source Wilson Pou, P.E. NC 021993 (252) 439-0338 Wilson@engrsource.com Mechanical Sprinkler-Standpipe Engineering Source Wilson Pou, P.E. NC 021993 (252) 439-0338 Wilson@engrsource.com Structural Queen Engineering Bruce Queen, P.E. NC 018991 (919) 420-0480 bruce@qedpa.net Retaining Walls>5' High NA 2018 EDITION OF NC CODE FOR: X New Construction Addition Upfit **EXISTING**: Prescriptive Historic Property Alteration Level I Alteration Level II Change of Use Repair Chapter 14 Alteration Level III CONSTRUCTED_ ORIGINAL USE CURRENT USE _ _____ PROPOSED USE _____ RENOVATED OCCUPANCY CATEGORY (TABLE 1604.5): CURRENT NA PROPOSED BUILDING DATA Sprinklers: X Yes Partial X NFPA 13 NFPA 13R NFPA 13D Ground Floor Equipment Platform No X Yes Partial NFPA 13 NFPA 13R NFPA 13D Yes Class I II Wet Dry Standpipes: Flood Hazard Area: X No Yes Feet: 30' Number of Stories: 1 Building Height: Special Inspections Required: No X Yes Gross Building Area: Existing (SQ FT) New (SQ FT) Sub-Total Equipment Platform 3,939 3,939 Third Floor Second Floor

otal	28,696	(Does not include Equipment Platform)

ALLOWABLE AREA

First Floor

Primary Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business X Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional I-1 I-2 I-3 I-4 Mercantile Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate S-2 Low High-Piled Utility and Miscellaneous

Accessory Occupancy Classification(s): <u>B, E, S-1</u>

This Separation is not exempt as a Non-Separated Use (see exceptions)

Special Uses (Chapter 4 - List code Sections): NA

Special Provisions (Chapter 5 - List code Sections): <u>NA</u>

706.4 Exception (a)

FIRE SEPARATION DISTANCE FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA	ACTUAL SHOWN ON PLANS	
15-20	Unprotected, Sprinkled	No Limit*	NA	
>30	Unprotected, Sprinkled	No Limit	NA	

* 705.8 Exception 2

Mixed Occupancy: No X Yes Separation:

X Non-Separated Use (508.3) The required type of construction of the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Use (508.4) - See below for area calculations For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. Actual Area of Occupancy A Actual Area of Occupancy B

		0		0		0 / 1
		0		0	=	0 < 1.
n	STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA ₄	(C) AREA FOR OPEN SPACE INCREASE 1,5	(D) ALLOWABI AREA OF UNLIMITE
	1	Educational	28,696	58,000	10,570	68,570

Allowable Area of Occupancy A Allowable Area of Occupancy B

1 Frontage increases from Section 506.2 are computed thus:

- a. Perimeter which fronts a public way or open space having 20 feet minimum width = **813'-10''** (F)
- b. Total Building Perimeter = 831'-0'' (P) c. Ratio (F/P) = 0.979 (F/P)
- d. W= Minimum width of public way = 30 (W)
- 2 Unlimited area applicable under conditions of Section 507.
- 3 Maximum Building Area = total number of stories in the building \times D (506.2)
- 4 The maximum area of parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with 412.3.1.
- 5 Frontage increase is based on the unsprinkled area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	Feet 75	30	
Building Height in Stories (Table 504.4)	Stories 3	1	

FIRE PROTECTION REQUIREMENTS

BUILDING	FIRE	RATING		DETAIL NO.	DESIGN NO.	DESIGN NO.	DESIGN
ELEMENT	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/ * REDUCTION)	AND SHEET NO.	FOR RATED ASSEMBLY	FOR RATED PENETRATION	NO. FO RATEI JOIS1
Structural frame, including columns, girders, trusses		0	NA	NA	NA	NA	NA
Bearing walls							
Exterior							
North	NA	NA	NA	NA	NA	NA	NA
East	NA	NA	NA	NA	NA	NA	NA
West	NA	NA	NA	NA	NA	NA	NA
South	NA	NA	NA	NA	NA	NA	NA
Interior	NA	NA	NA	NA	NA	NA	NA
Nonbearing walls and partitions Exterior							
North	> 30	0	NA	NA	NA	NA	NA
East	> 20	0	NA	NA	NA	NA	NA
West	> 20	0	NA	NA	NA	NA	NA
South	> 30	0	NA	NA	NA	NA	NA
Interior	NA	0	NA	NA	NA	NA	NA
Floor construction including support beams and joist		0	NA	NA	NA	NA	NA
Above Corridor		0	NA	NA	NA	NA	NA
Columns Supporting Floors							
Roof construction including support beams and joist		0	NA	NA	NA	NA	NA
Roof Ceiling Assembly		NA	NA	NA	NA	NA	NA
Columns Supporting Roof		NA	NA	NA	NA	NA	NA
Shafts - Exit		NA	NA	NA	NA	NA	NA
Shafts - Other		NA	NA	NA	NA	NA	NA
Corridor Separation		0	NA	NA	NA	NA	NA
Occupancy Separation		NA	NA	NA	NA	NA	NA
Party/Fire Wall Separation		NA	NA	NA	NA	NA	NA
Fire Barrier Separation		NA	NA	NA	NA	NA	NA
Smoke Partition		0	NA	NA	NA	NA	NA
Tenant Separation		NA	NA	NA	NA	NA	NA
Incidental Use Separation		NA	NA	NA	NA	NA	NA

Indicate section number permitting reduction

PERCENTAGE OF WALL AREA CALCULATIONS

FIRE SEPARATION DISTANCE FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA	ACTUAL SHOWN ON PLANS
15-20	Unprotected, Sprinkled	No Limit*	NA
>30	Unprotected, Sprinkled	No Limit	NA

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	No	X Yes
Exit Signs:	No	X Yes
Fire Alarm:	No	X Yes
Smoke Detection Systems:	No	X Yes
Carbon Monoxide Detection:	No	X Yes

Life Safety Plan Sheet *: __LS-001_

- $\overline{\mathbf{X}}$ Fire and/or smoke rated wall-locations (Chapter 7
- Assumed and real property line locations
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- $\overline{\mathbf{X}}$ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2)
- X Occupant loads for each area X Exit access travel distances (1017)
- Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- Dead end lengths (1020.4)
- X Clear exit widths for each exit door
- X Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) X Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- \mathbf{X} Location of doors with panic hardware (1010.1.10) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- Location of doors with electromagnetic egress locks (1010.1.9.9)
- X Location of doors equipped with hold-open devices Location of emergency escape windows (1030)
- $\overline{\mathbf{X}}$ The square footage of each fire area (202)
- ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

LOT OR Parking area	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING (SECTION 1106)

LOT OR	TOTAL NO. OF PARKING SPACES		NO. OF ACCESSIBI	NO. OF ACCESSIBLE SPACES REQUIRED / PROVIDED			
PARKING AREA	REQUIRED	PROVIDED	REGULAR WITH 5' VAN SPACES WITH		CES WITH	ACCESSI PROVID	
			7,00233 7,1322	132" ACCESS AISLE	8' ACCESS AISLE		
Main		272	3		3	6	
TOTAL		272	3		3	6	

PLUMBING FIXTURE REQUIREMENTS

LICE		WATERO	CLOSETS	URINALS	LAVA	TORIES	SHOWERS/	DRINKING FOUNTAINS		
USE		MALE	FEMALE		MALE	FEMALE	TUBS	REGULAR	ACCESSIBLE	
	NEW	2	4	2	3	3		2	2	
Student	EXISTING									
	REQ'D	2	4	2	3	3		2	1	
	NEW	1×	1×	0	1×	1×		0	0	
Staff	EXISTING									
	REQ'D	1×	1×	0	1×	1×		0	0	
	NEW									
	EXISTING									
	REQ'D									

SPECIAL APPROVALS

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Special approval: (Local Jurisdiction, Department of Insurance, SBCCI, ICC, etc., describe below)
 NC Department of Insurance
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If performance method, state the annual energy cost for the standard reference design vs. annual energy cost for the proposed design.

Method of Compliance: X Prescriptive (Energy Code)

Performance (Energy Code) Prescriptive (ASHRAE 90.1)

THERMAL ENVELOPE

METAL DECK / RIGID INSULATION Description of assembly U-Value of total assembly 0.033 R-Value of insulation 30 c.i. Skylights in each assembly NONE N/A U-Value of skylight

Exterior Walls (each assembly) BRICK / AIR SPACE / SPRAYED INSULATION / 8" CMU Description of assembly 0.0598 U-Value of total assembly R-Value of insulation 13 c.i. Openings (windows or doors with glazing) Openings (windows)

0.32 U-Value of total assembly solar heat gain coefficient projection factor

Walls below grade -Description of assembly - Block, foam filled cells, 2" c.i.

R-Value of insulation - 13 c.i. Floor over unconditioned space (each assembly) - NOT USED Description of assembly - 8" Block, foam filled cells, 2" c.i.

U-Value of total assembly - 0.11 R-Value of insulation - 7.5R

Description of assembly = 4" thick concrete slab / 3" foam insulation board 24" at perimeter U-Value of total assembly = 0.21

R-Value of insulation - R-15

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet.

Performance (ASHRAE 90.1)

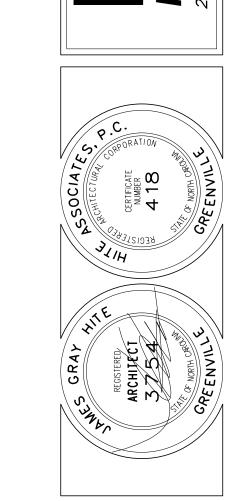
Roof/ceiling Assembly (each assembly)

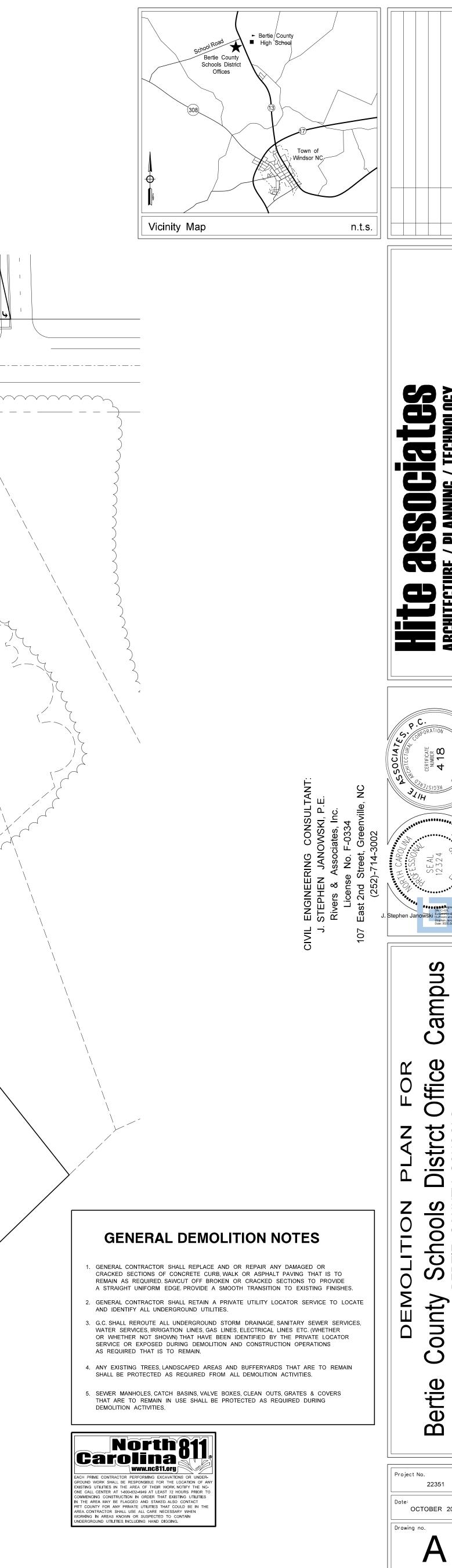
total square footage of skylights in each assembly N/A

Door R-Values N/A

U-Value of total assembly - 0.0667

Horizontal/verticalrequirement - R-15 for 24" slab heated - NO





US HWY 13 Existing Buses Football / Track EXISTING SCHOOL BUILDING Baseball DEMOLISH EXISTING BUILDINGS COMPLETE WITH FOUNDATIONS. TERMINATE / CAP ANY UTILITIES. FINSIH GRADE TO DRAIN, MULCH AND SEED AS SPECIFIED. DEMOLISH CONCRETE AND ASPHALT AREAS AND FENCING COMPLETE. FINISH GRADE TO DRAIN, MULCH AND SEED AS SPECIFIED Softball TEMPORARY SILT FENCE 400.1 DEMOLITION PLAN SCALE: 1" = 60'-0"

180 FEET

GRAPHIC SCALE

Campus

ounty

22351 OCTOBER 2024

33 No. Date

HITE 3890 Greenville, NC 27834 / tel (252) 75

REGISTERED

RECISTERED

RECIST

NEW CTE BUILDING FOR

Bertie High School 312

S US 13 North / NCDPS Unit 080 - School 312

Windsor / Bertie County / North Carolina

Project No.
22351

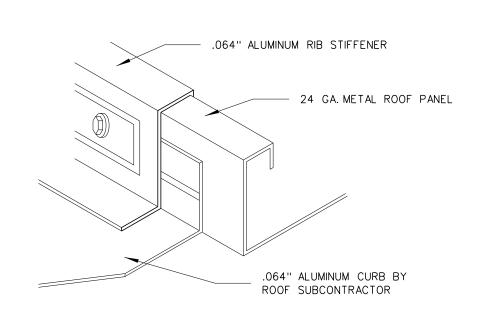
Date:
December 18, 2024

Drawing no.

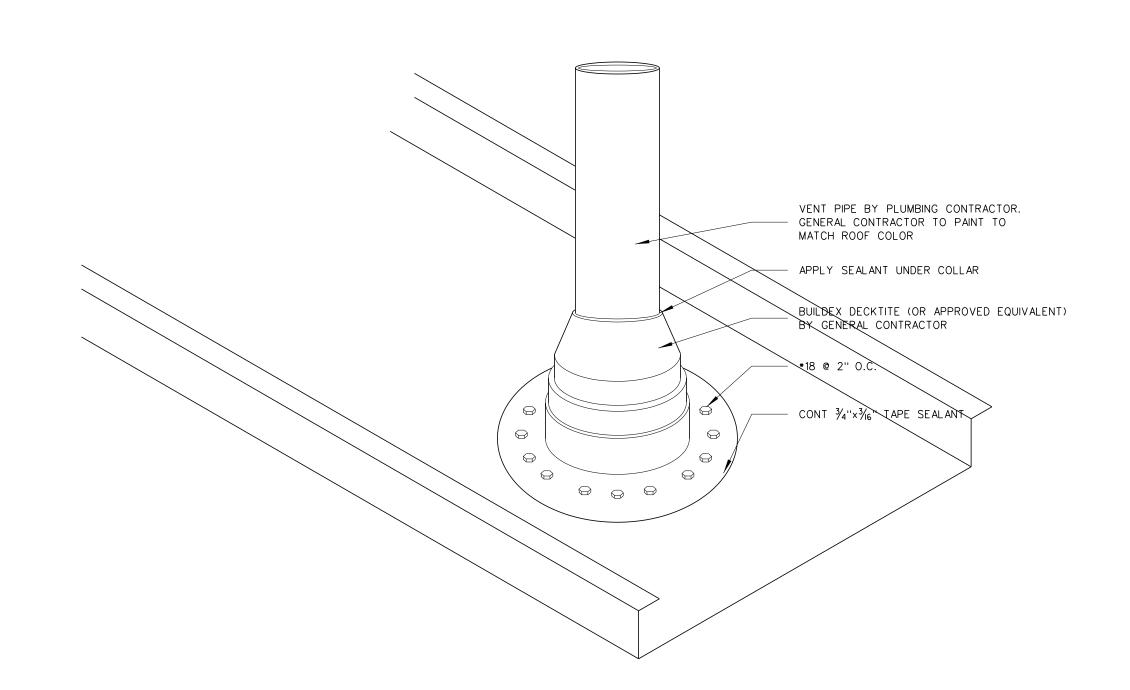
Note: Dimension based on roofing manufacturer provided.

O03.12 ROOF GUTTER STRAP DETAIL

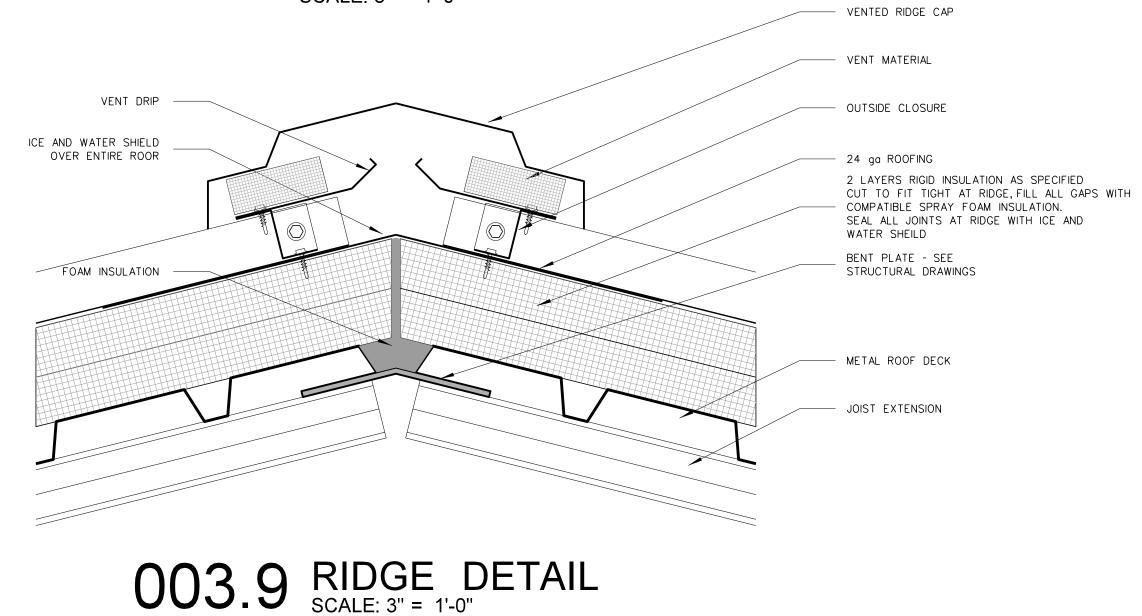
SCALE: FULL



003.11 CURB FLASHING DETAIL



003.10 PIPE FLASHING DETAIL

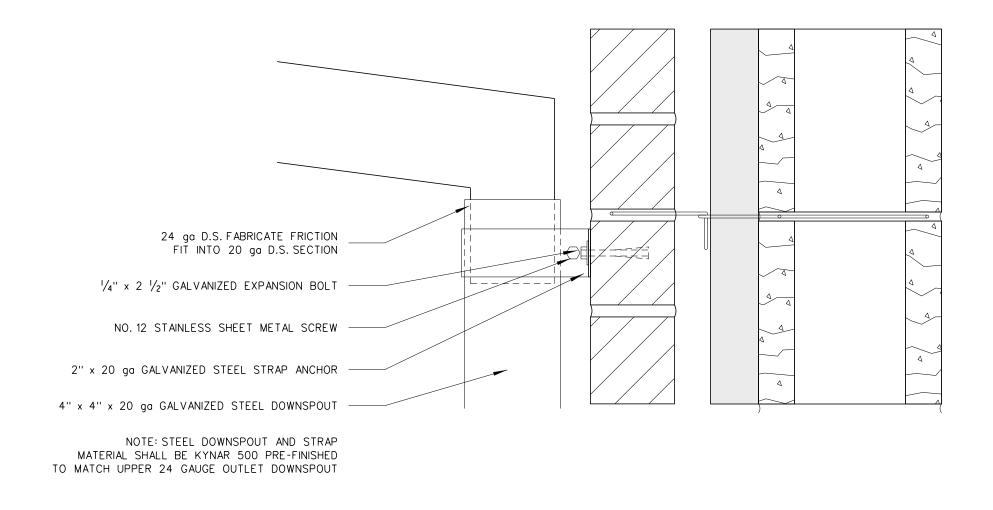


 $\frac{1}{4}$ " x 4 $\frac{1}{2}$ " GALVANIZED EXPANSION BOLT 2" x 20 ga GALVANIZED STEEL STRAP ANCHOR NOTE: STEEL DOWNSPOUT AND STRAP MATERIAL SHALL BE KYNAR 500 PRE-FINISHED TO MATCH UPPER 24 GAUGE OUTLET DOWNSPOUT NO. 12 STAINLESS SHEET METAL SCREW 2" × 20 ga GALVANIZED STEEL STRAP 4" x 4"x20 ga GALVANIZED STEEL DOWNSPOUT

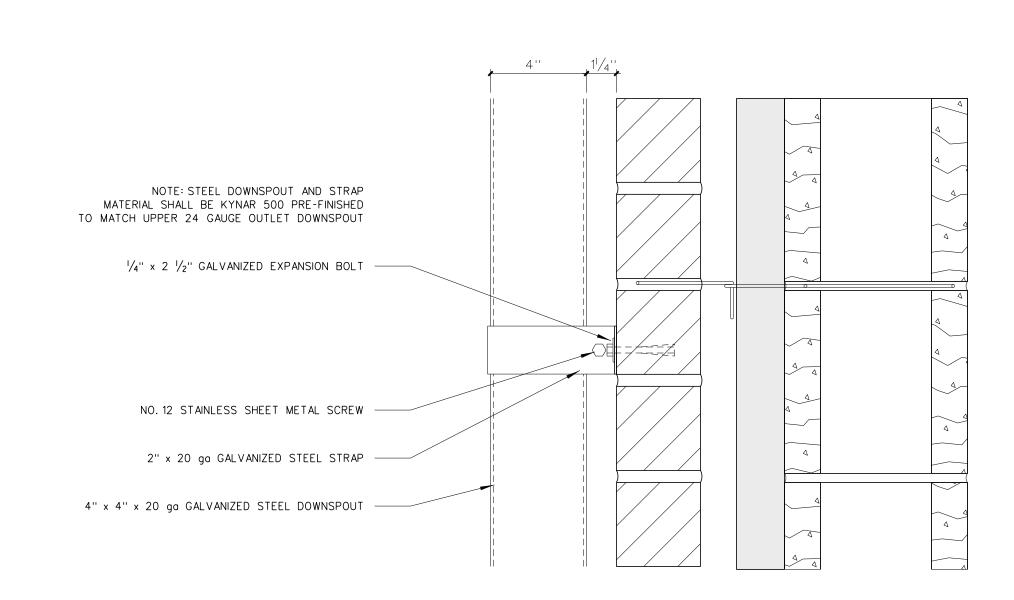
003.8 PLAN DETAIL - DOWNSPOUT @ EIFS

14 ga RAKE SUPPORT —

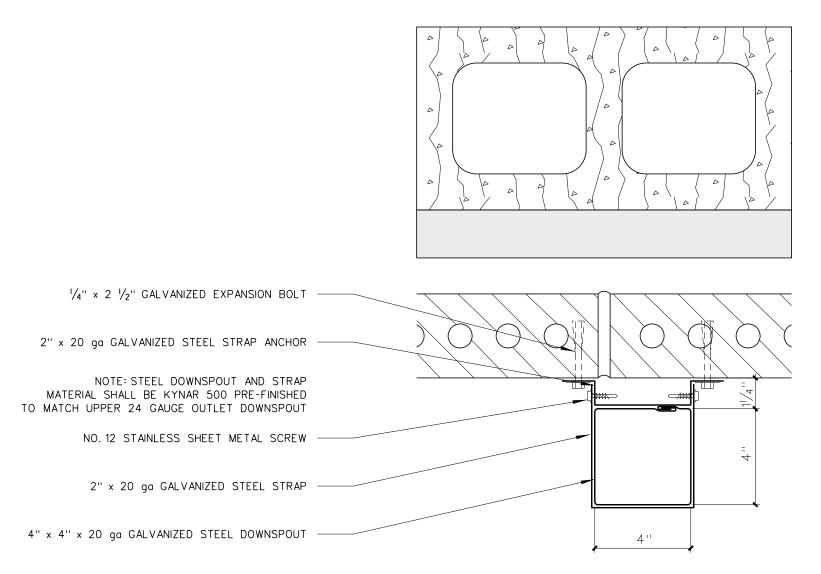
STEEL ANGLE - SEE STRUCTURAL DRAWINGS



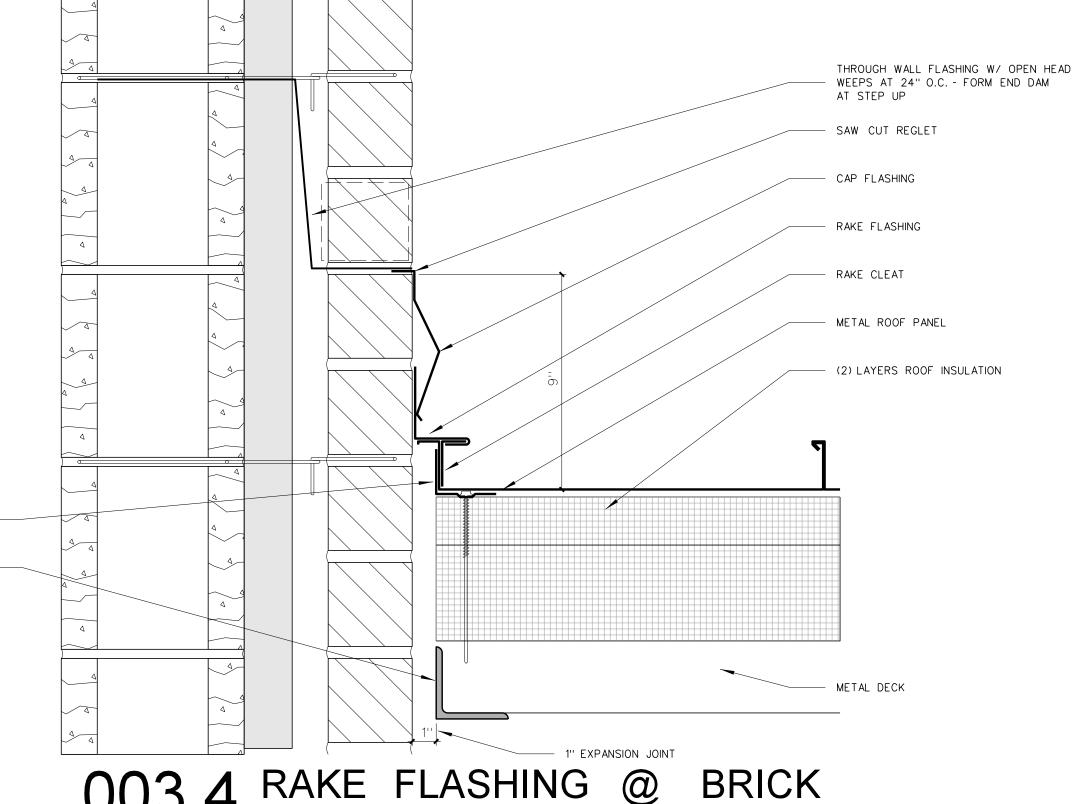
003.7 DETAIL - DOWNSPOUT @ TRANSITION



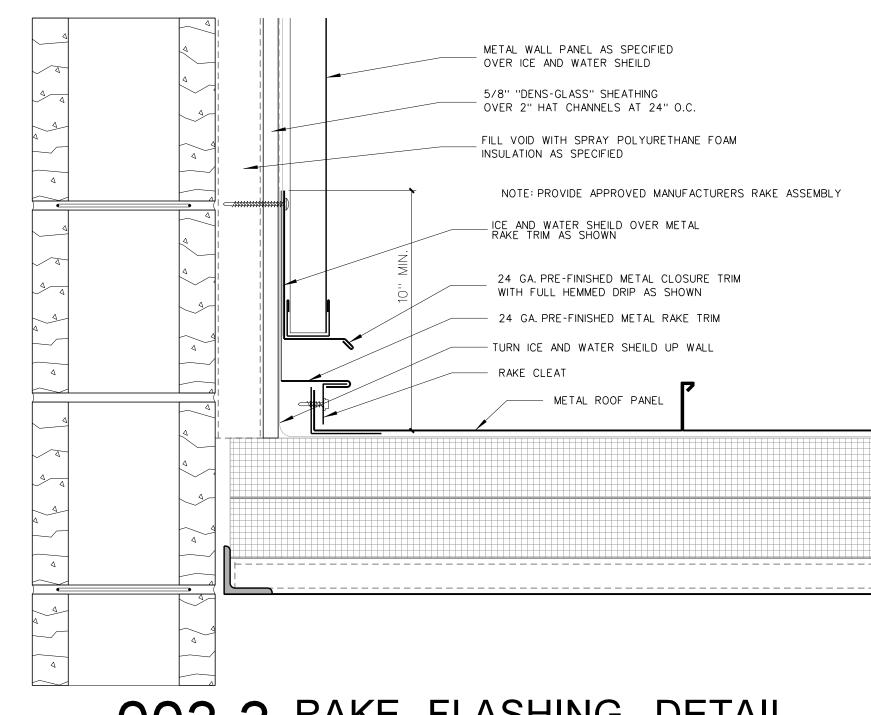
003.6 DETAIL - DOWNSPOUT @ BRICK



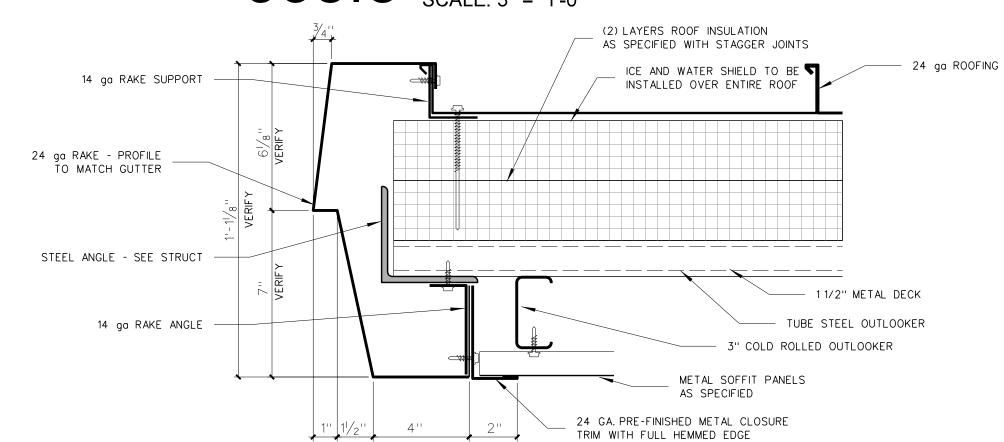
003.5 PLAN DETAIL - DOWNSPOUT @ BRICK



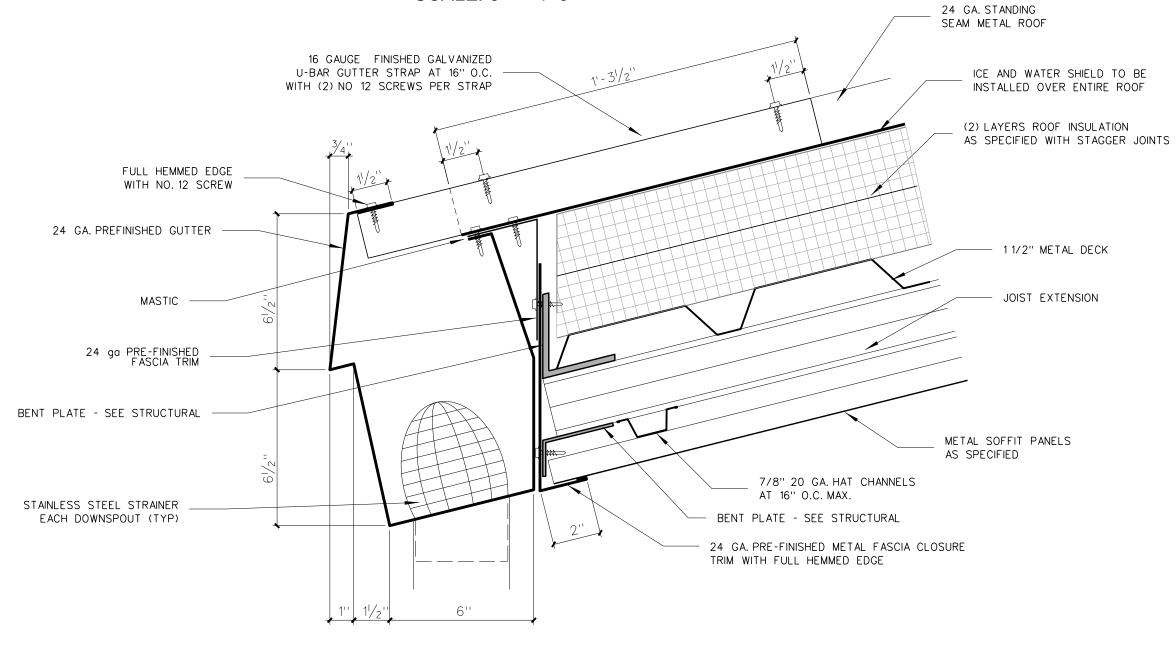
003.4 RAKE FLASHING @ BRICK



003.3 RAKE FLASHING DETAIL



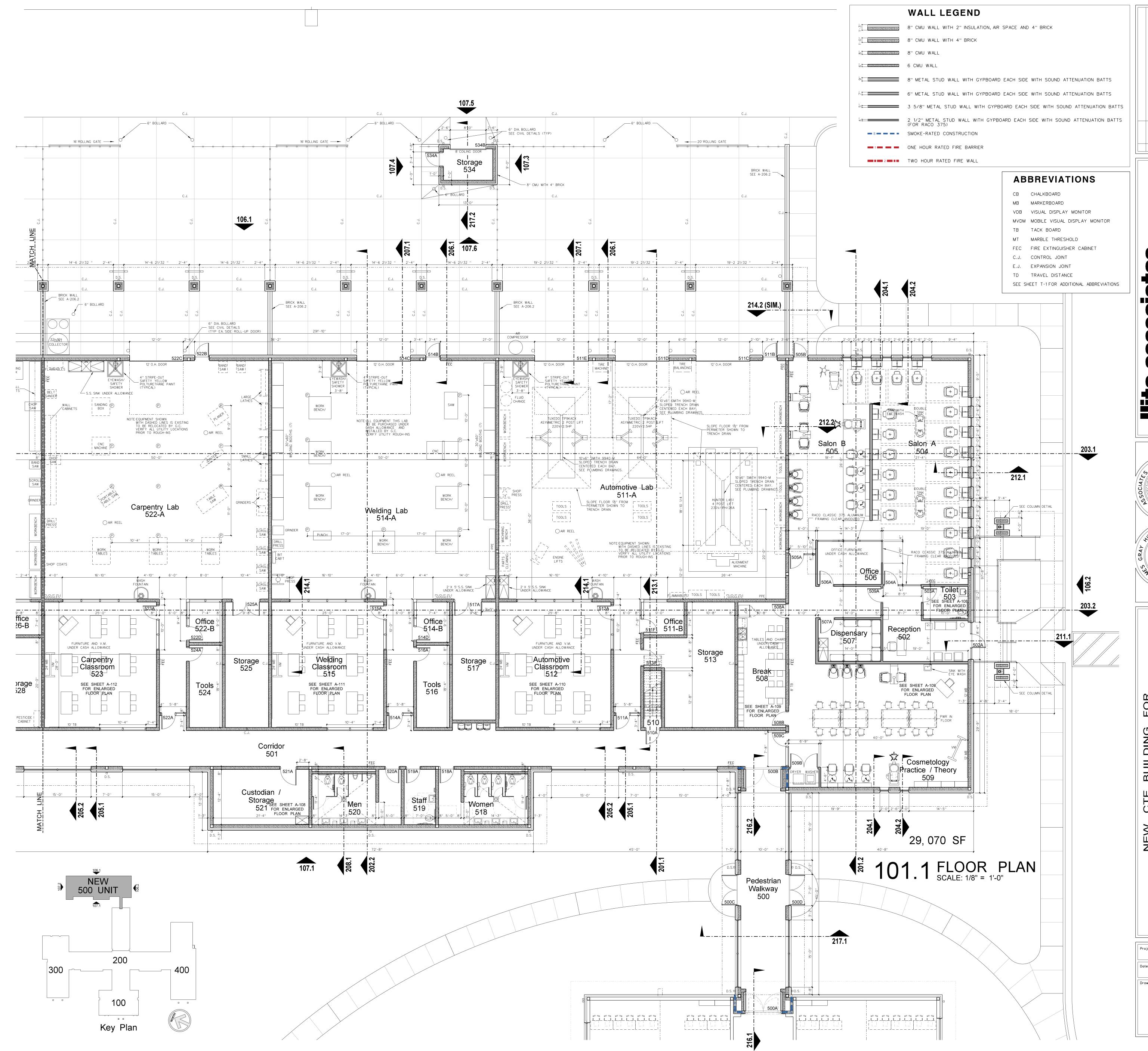
003.2 RAKE DETAIL SCALE: 3" = 1'-0"



003.1 GUTTER DETAIL



22351 December 18, 2024 Drawing no.



HITE 3500 Meridian Drive / Greenville, NC 27834 / tel (252) 757-0333

RECISTERED

RECIST

NEW CTE BUILDING FOR

Bertie High School 31

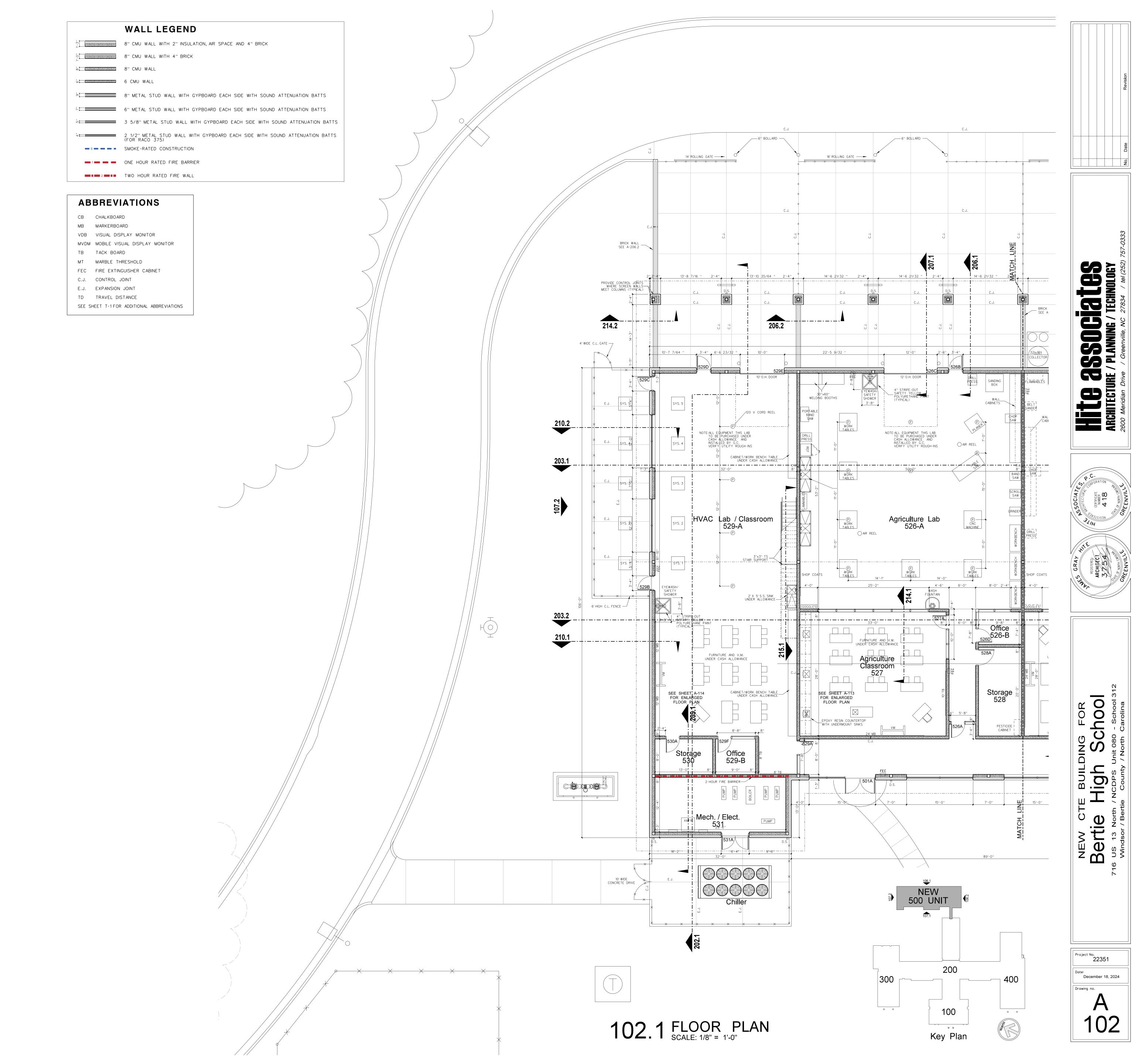
Windsor / Bertie County / North Carolina

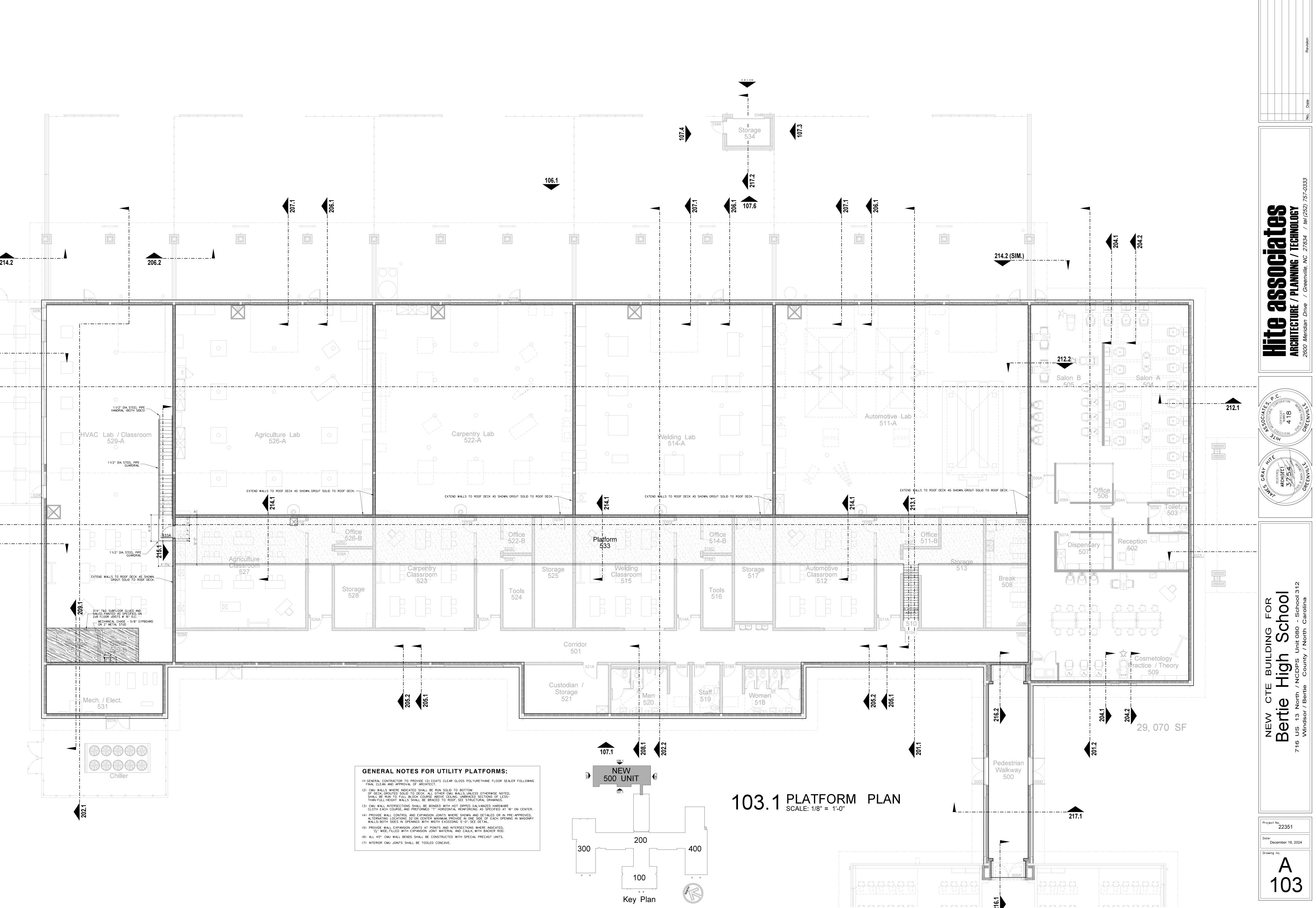
Project No.
22351

Date:
December 18, 2024

Drawing no.

copyright 2025 Hite associates





0333 No. Date

HITE 3890 GIBLES
ARCHITECTURE / PLANNING / TECHNOLOGY
2600 Meridian Drive / Greenville, NC 27834 / tel (252) 757

REGISTERED

REGIST

NEW CTE BUILDING FOR

Bertie High School

Windsor / Bertie County / North Carolina

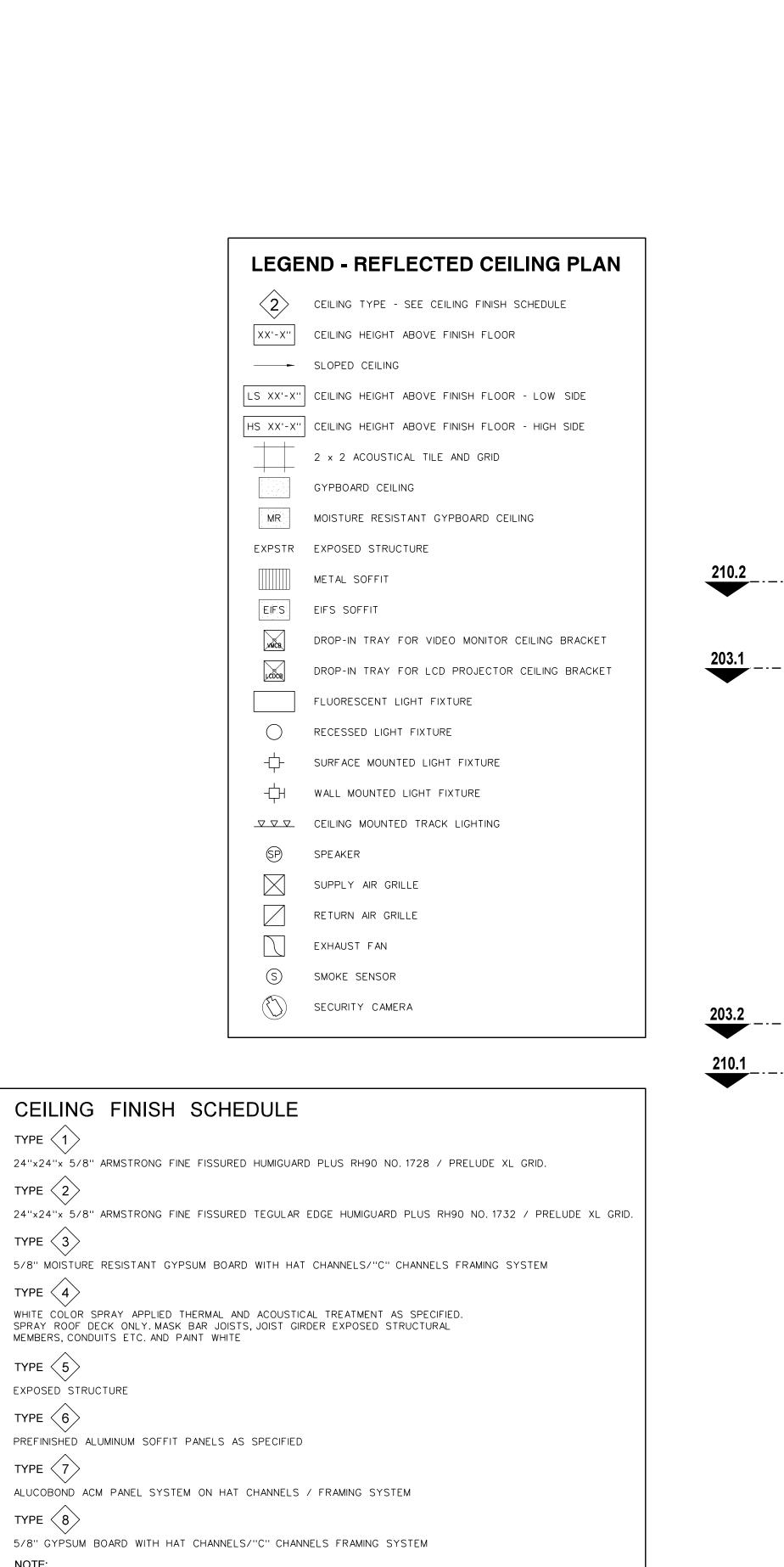
Project No.
22351

Date:
December 18, 2024

Drawing no.

100

Key Plan



TYPE 1

TYPE 2

TYPE 3

TYPE 5

TYPE 6

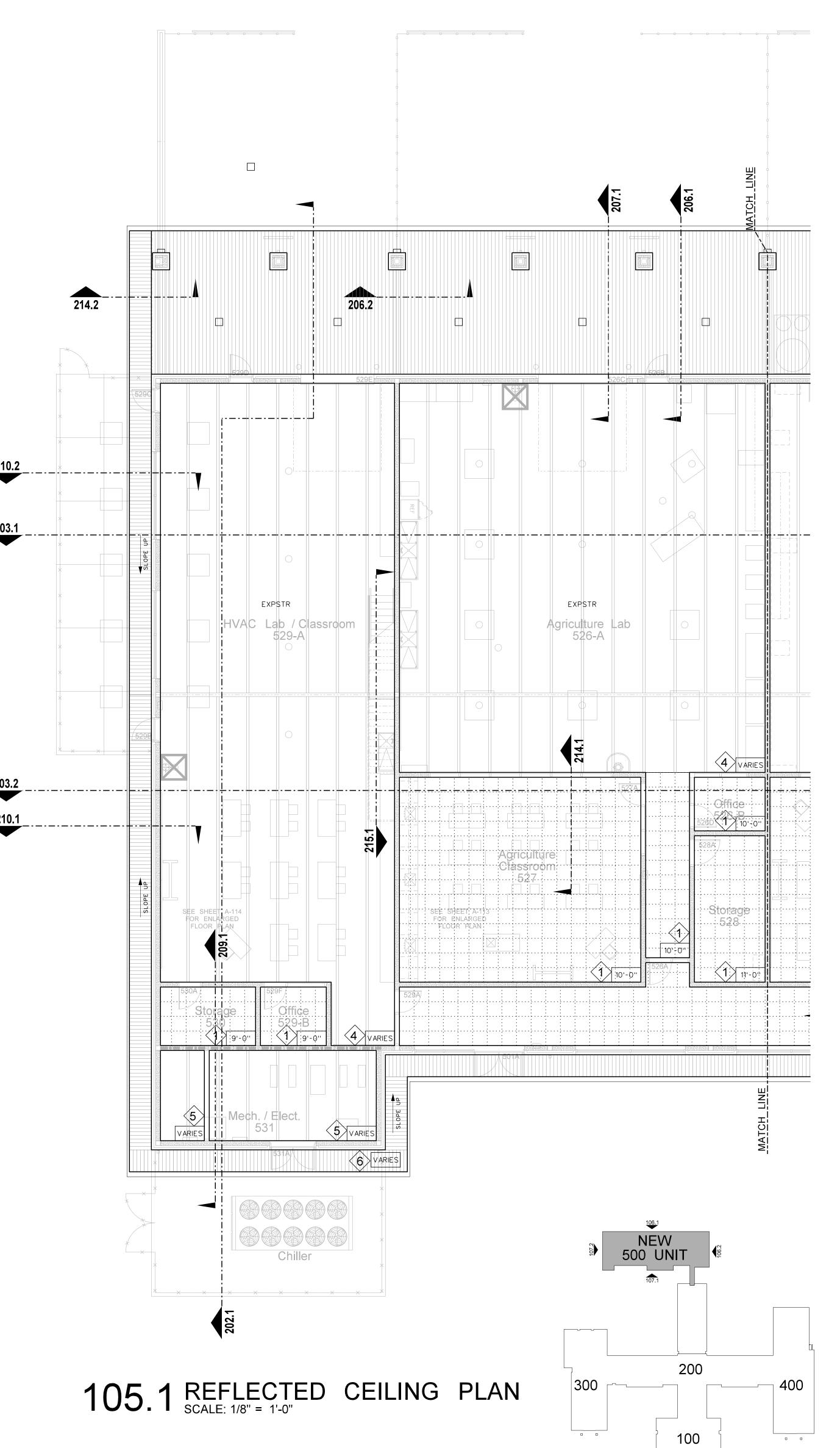
TYPE $\langle 7 \rangle$

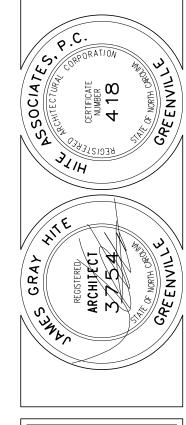
TYPE 8

(1) PROVIDE TYPE 1 CEILING UNLESS OTHERWISE NOTED.

(2) PROVIDE 24" x 24" CEILING ACCESS DOOR IN EACH SPACE WITH DRYWALL CEILING.

EXPOSED STRUCTURE



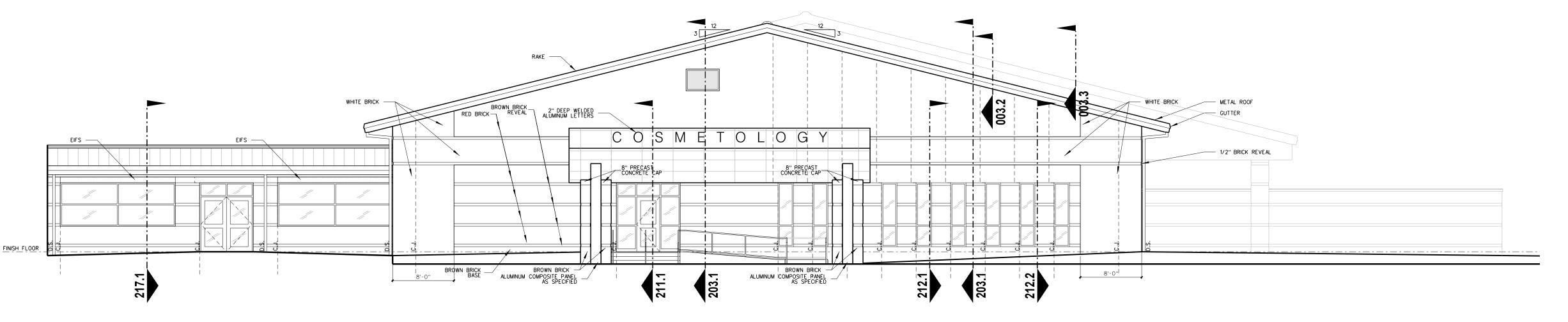


NEW C Bertie

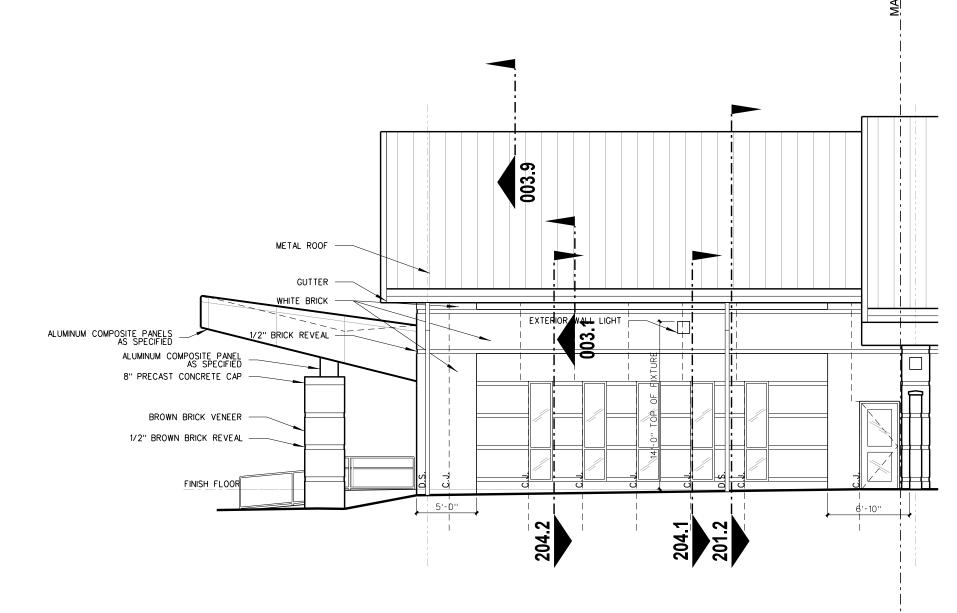
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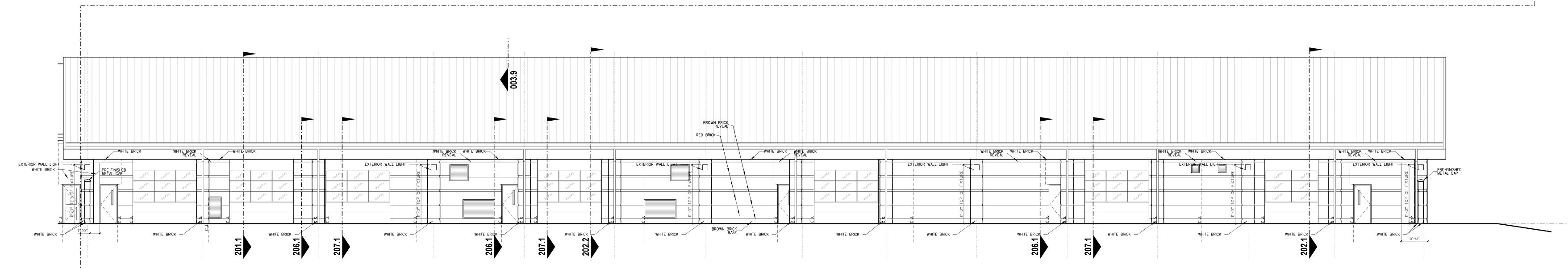
105

Key Plan

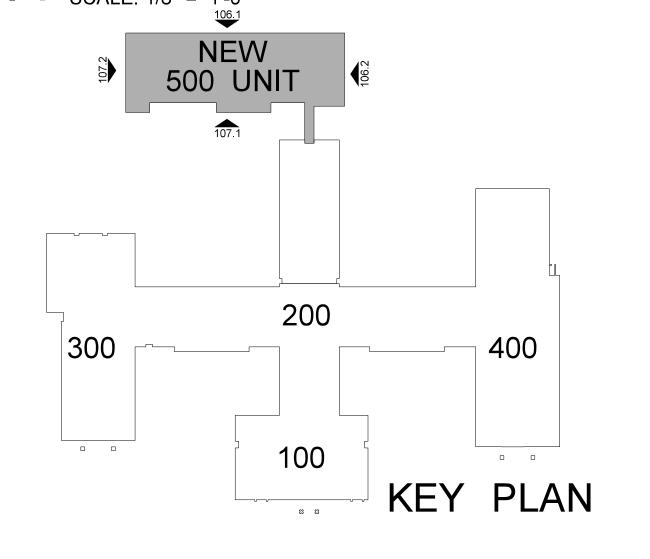


106.2 EXTERIOR ELEVATIONS SCALE: 1/8" = 1'-0"

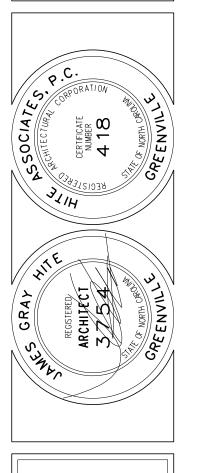




106.1 EXTERIOR ELEVATIONS SCALE: 1/8" = 1'-0" 106.1



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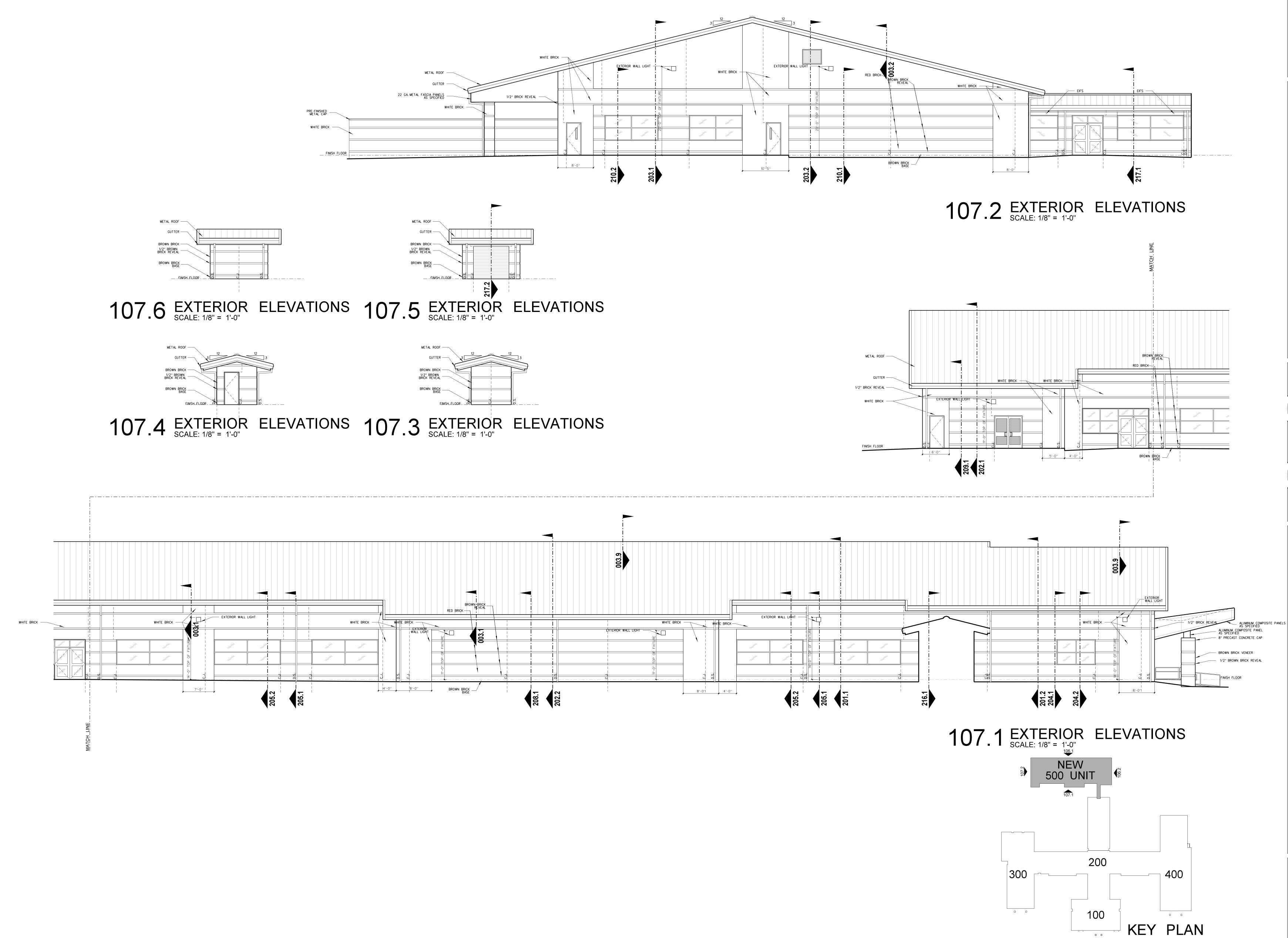
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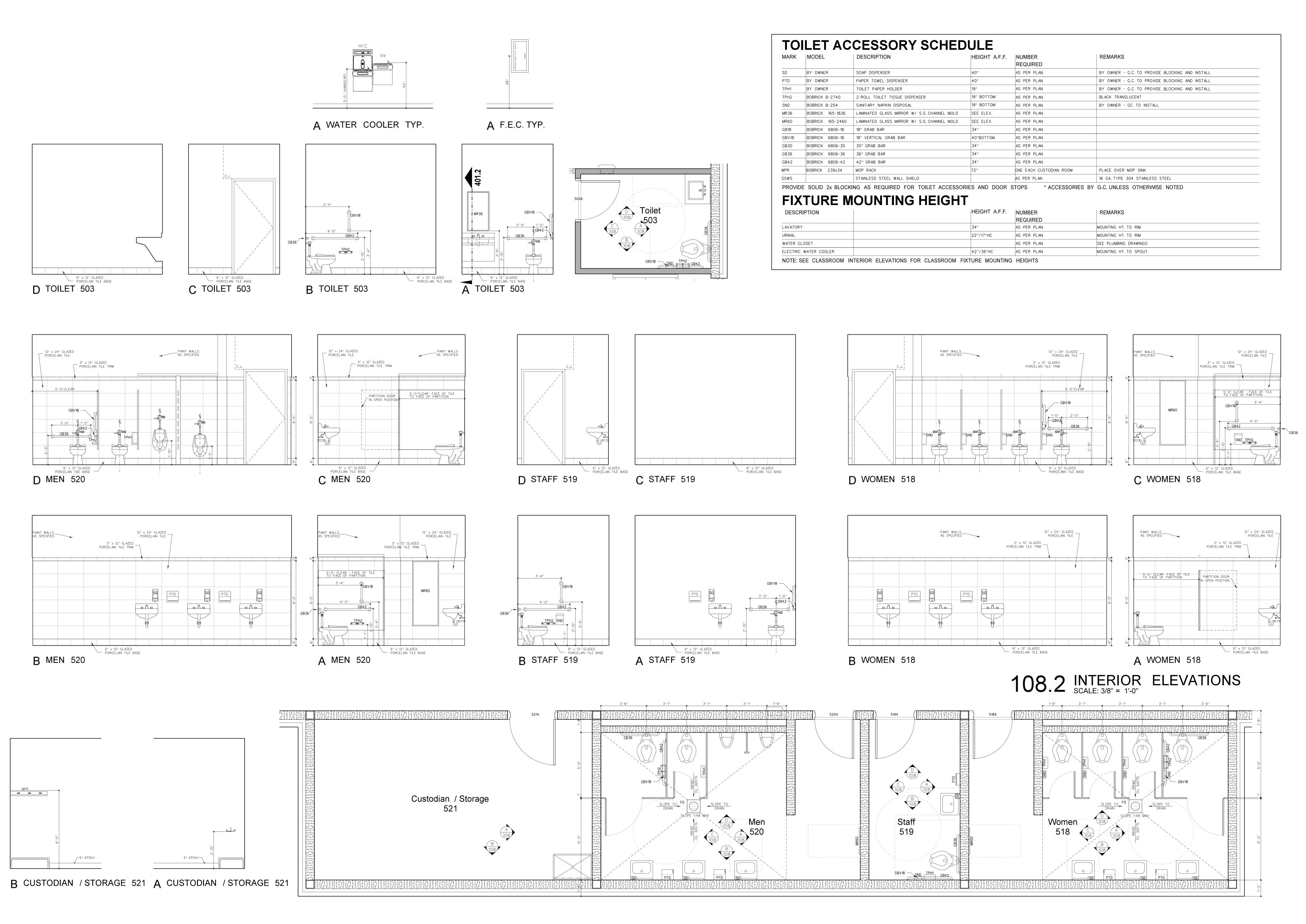
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108.1 ENLARGED TOILET PLAN SCALE: 3/8" = 1'-0"

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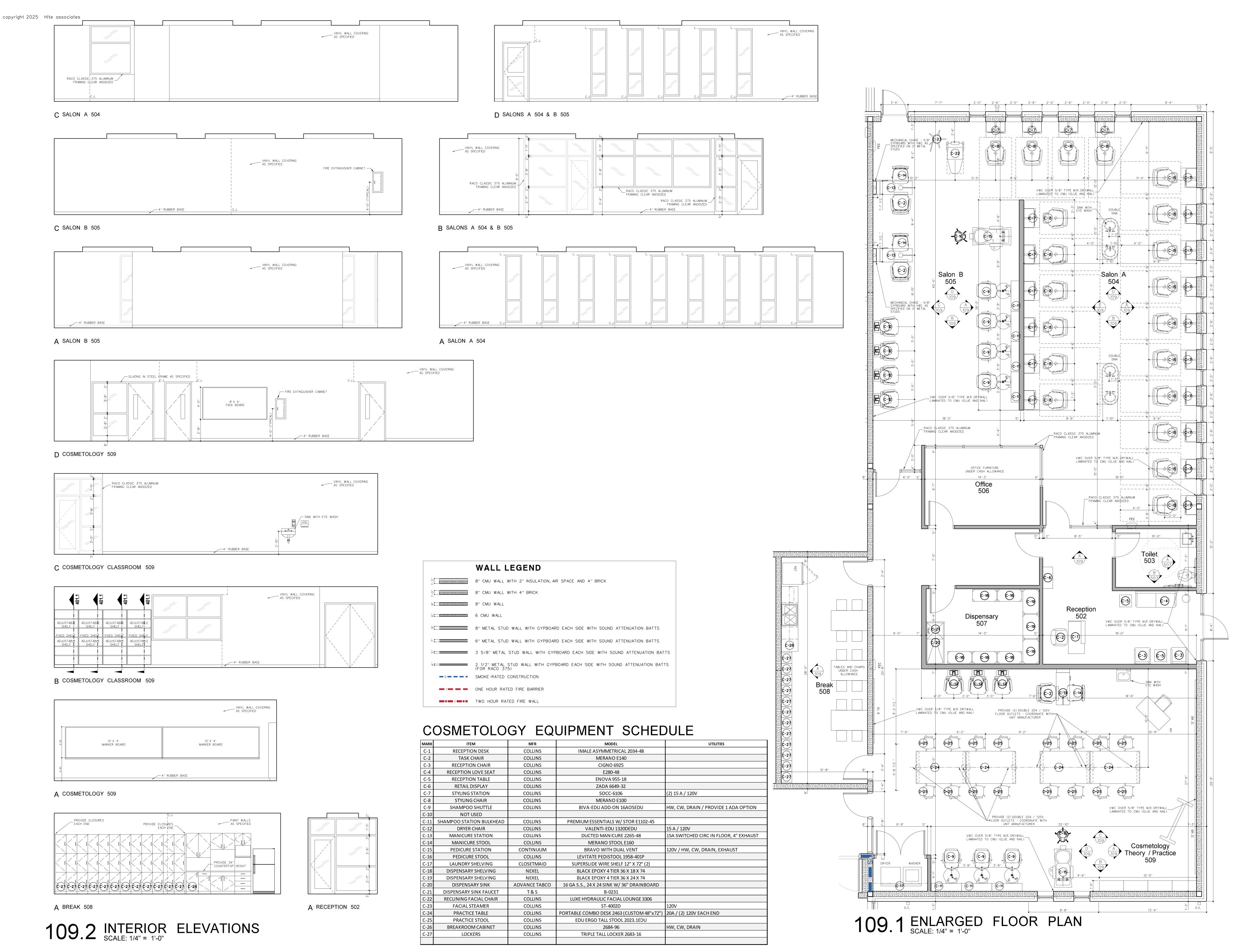
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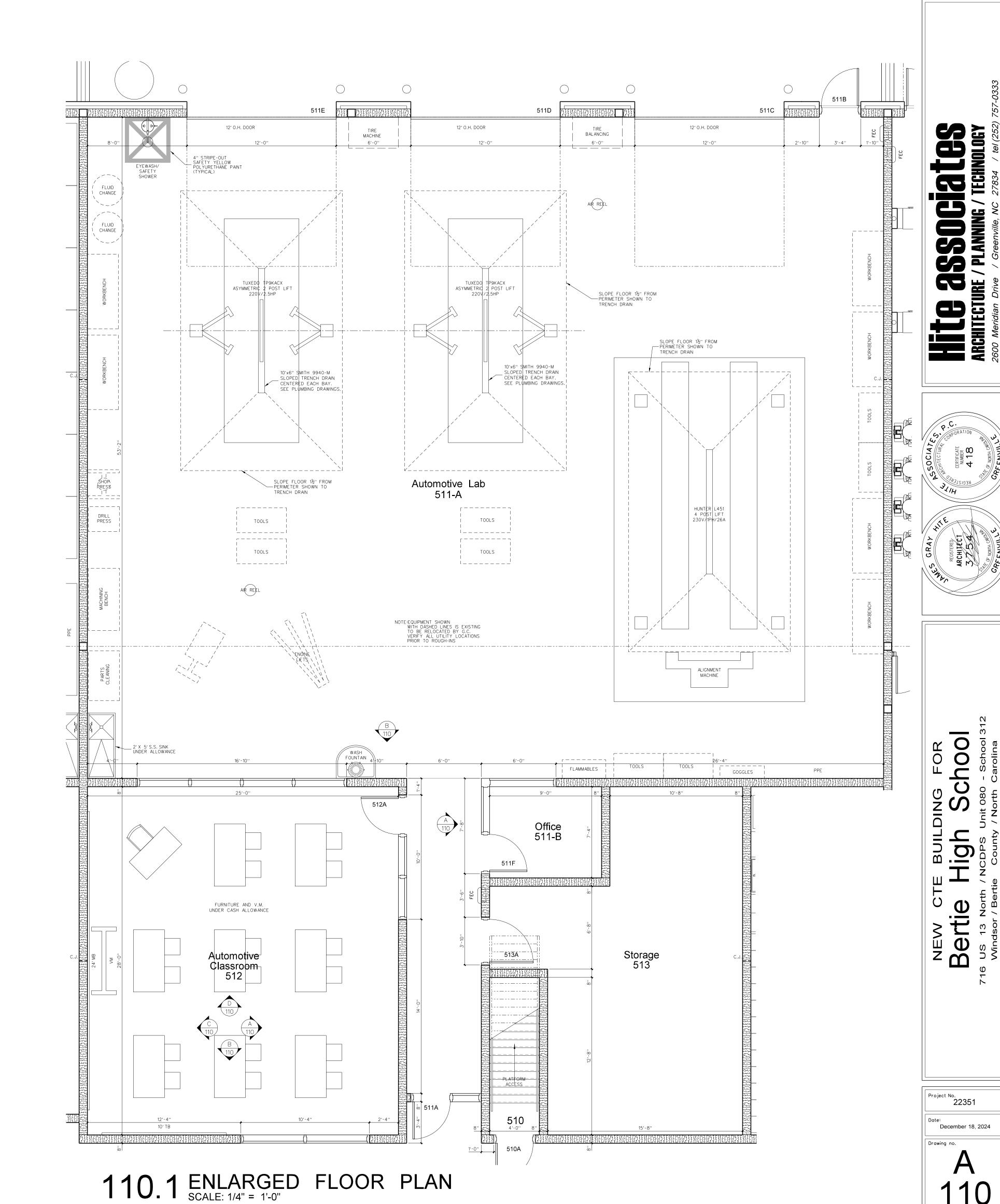
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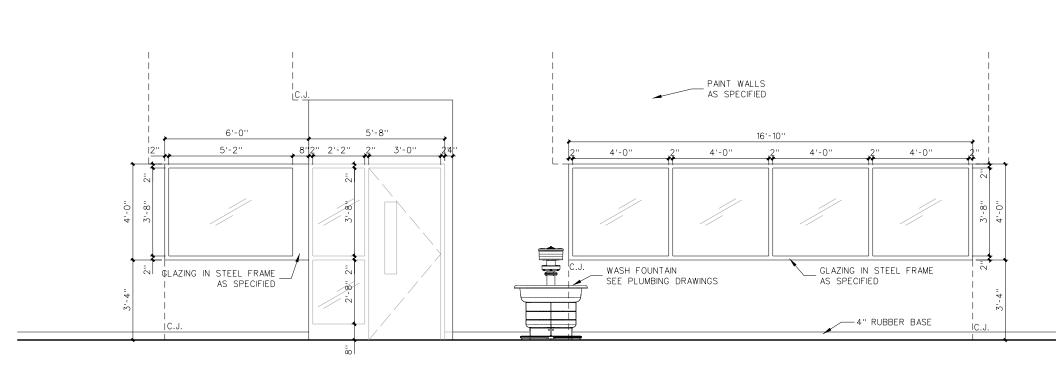
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109

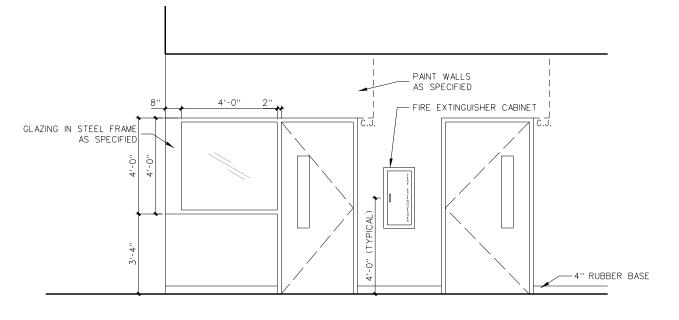


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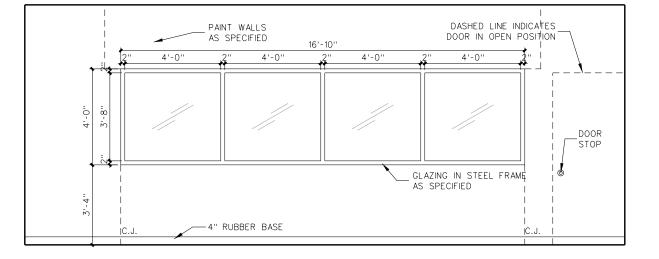
December 18, 2024



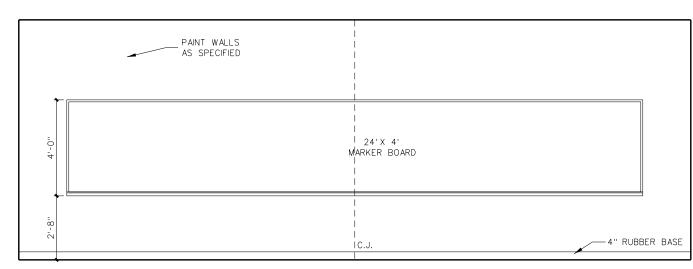
B AUTOMOTIVE LAB 511-A



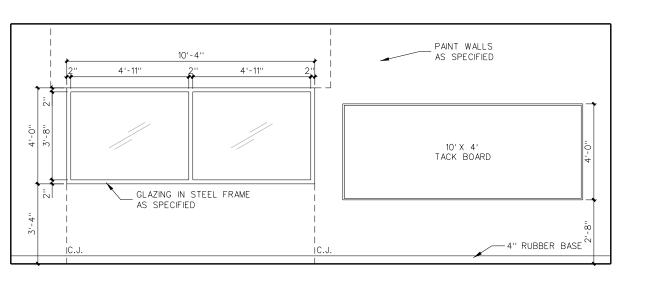
A AUTOMOTIVE LAB 511-A



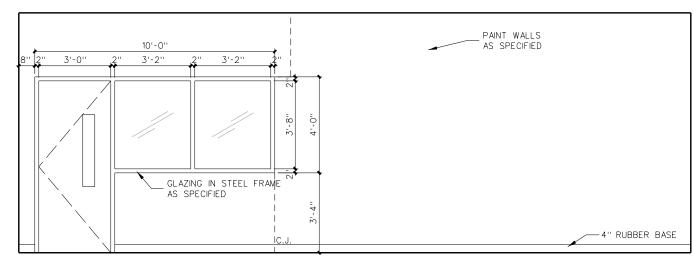
D AUTOMOTIVE CLASSROOM 512



C AUTOMOTIVE CLASSROOM 512



B AUTOMOTIVE CLASSROOM 512



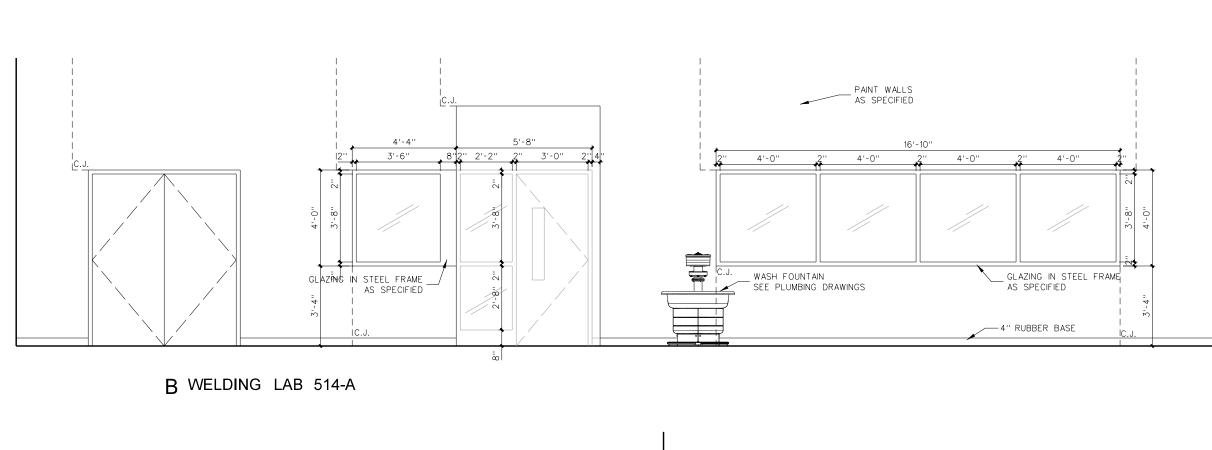
A AUTOMOTIVE CLASSROOM 512 110.2 INTERIOR ELEVATIONS

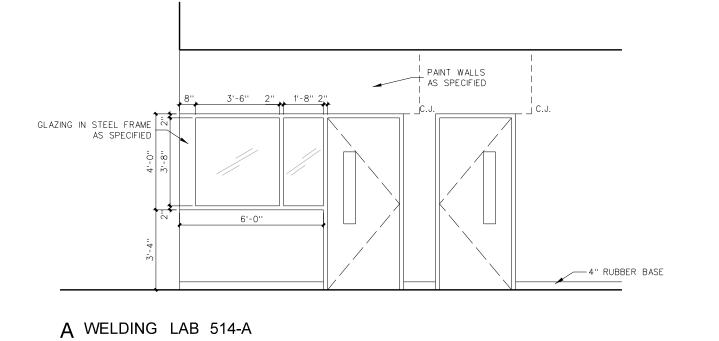
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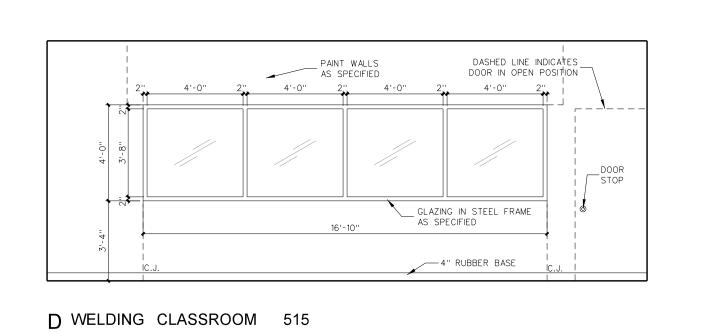
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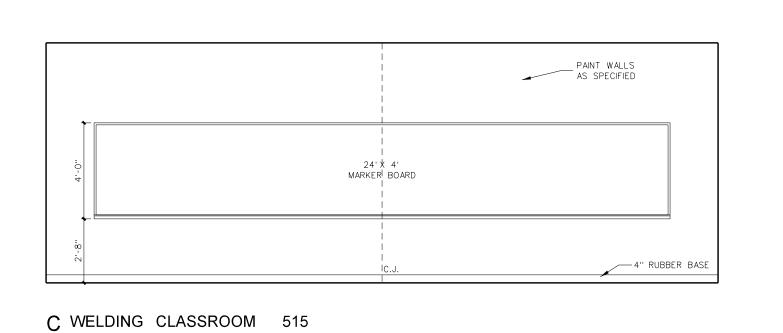
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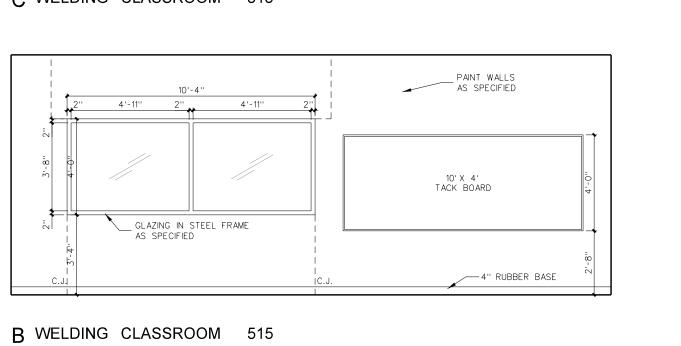
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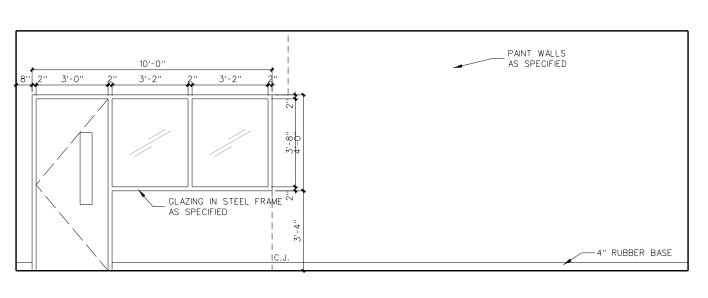






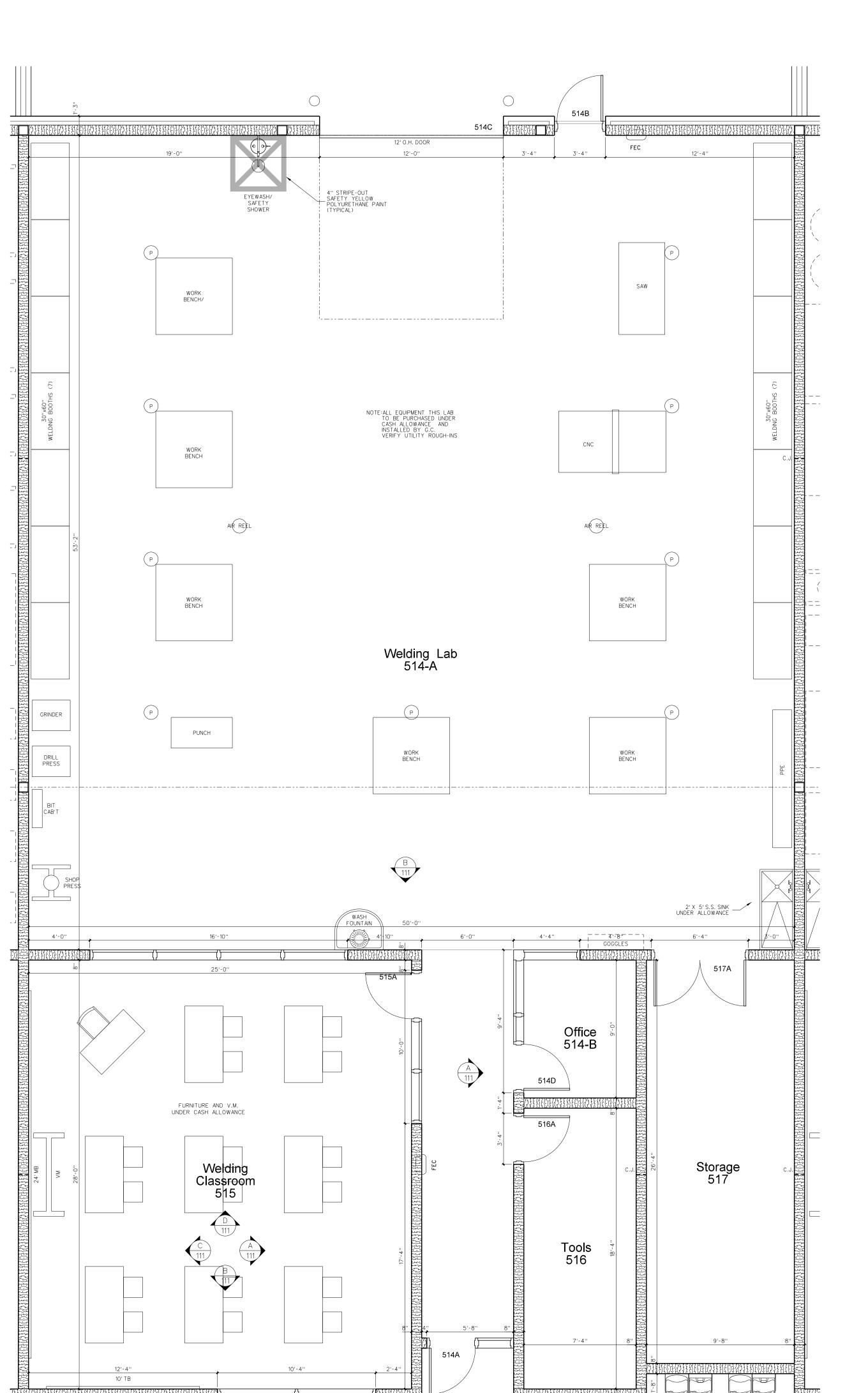






A WELDING CLASSROOM 515

111.2 INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"



111.1 ENLARGED FLOOR PLAN SCALE: 1/4" = 1'-0"

GLAZING IN STEEL FRAME _ AS SPECIFIED

GLAZING IN STEEL FRAME AS SPECIFIED

A CARPENTRY LAB 522-A

D CARPENTRY CLASSROOM 523

C CARPENTRY CLASSROOM 523

B CARPENTRY CLASSROOM 523

8" 2" 3'-0" 2" 3'-2" 2" 3'-2" 2"

GLAZING IN STEEL FRAME _ AS SPECIFIED _

A CARPENTRY CLASSROOM 523

4" RUBBER BASE

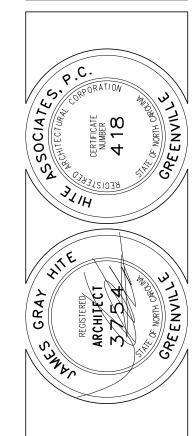
112.2 INTERIOR ELEVATIONS

B CARPENTRY LAB 522-A

112.1 ENLARGED FLOOR PLAN SCALE: 1/4" = 1'-0"

10' TB

522A



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SCROLL SCROLL L____

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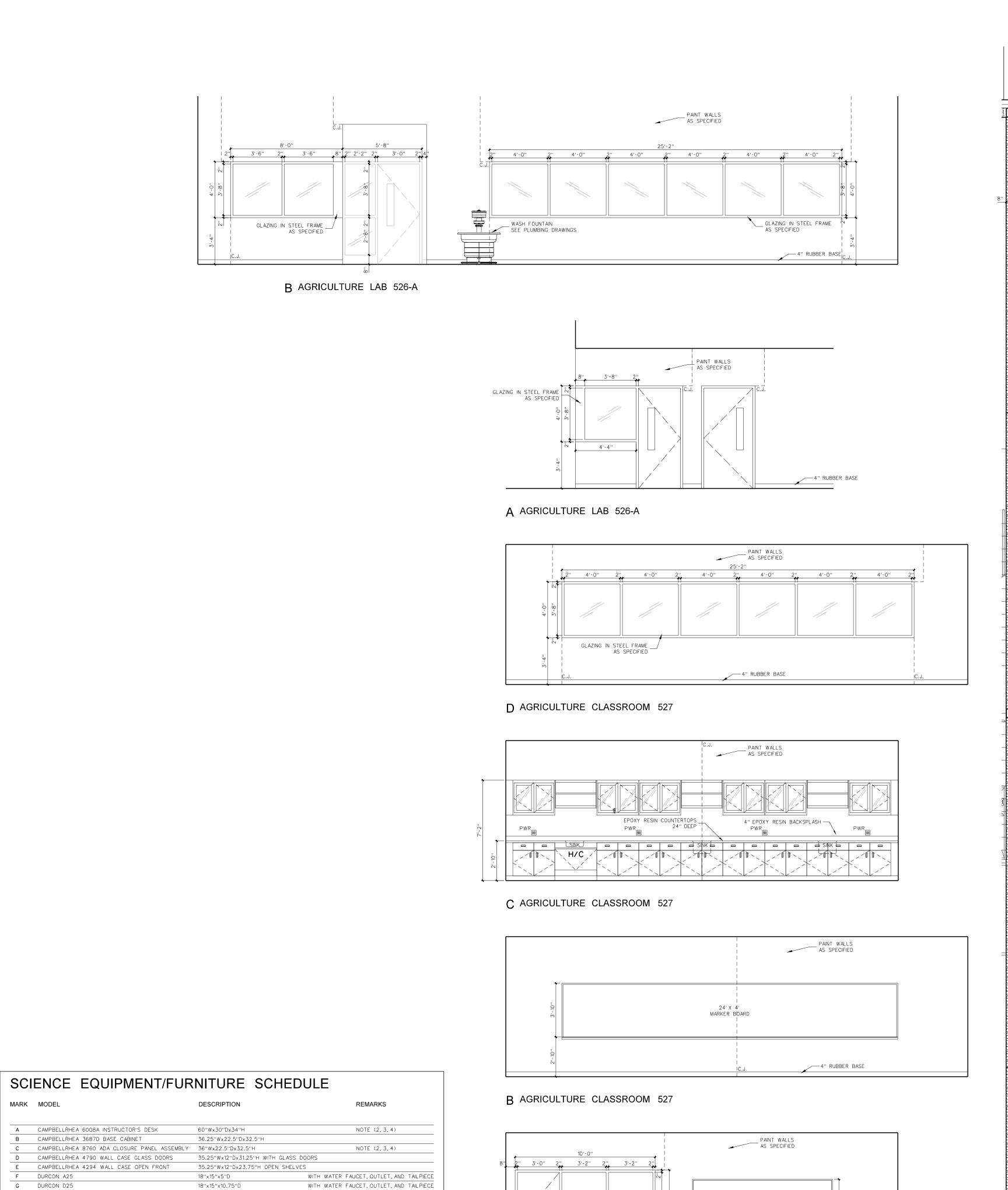
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ACDPS Unit 080 - School 31

County / North Carolina NEW CT
Bertie

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GLAZING IN STEEL FRAME _____ AS SPECIFIED

A AGRICULTURE CLASSROOM 527

10' X 4' TACK BOARD

4" RUBBER BASE

113.1 INTERIOR ELEVATIONS

A CAMPBELLRHEA 6008A INSTRUCTOR'S DESK

CAMPBELLRHEA 4790 WALL CASE GLASS DOORS

(1) ALL TOPS TO BE 1" BLACK EPOXY RESIN TOP UNLESS OTHERWISE NOTED.

(3) ALL TRAPS SUPPLIED, INSTALLED AND HOOKED UP BY PLUMBING CONTRACTOR.

(2) SINKS, SINK OUTLETS AND TAIL PIECES SUPPLIED AND INSTALLED BY SCIENCE EQUIPMENT SUBCONTRACTOR / CASEWORK SUPPLIER.

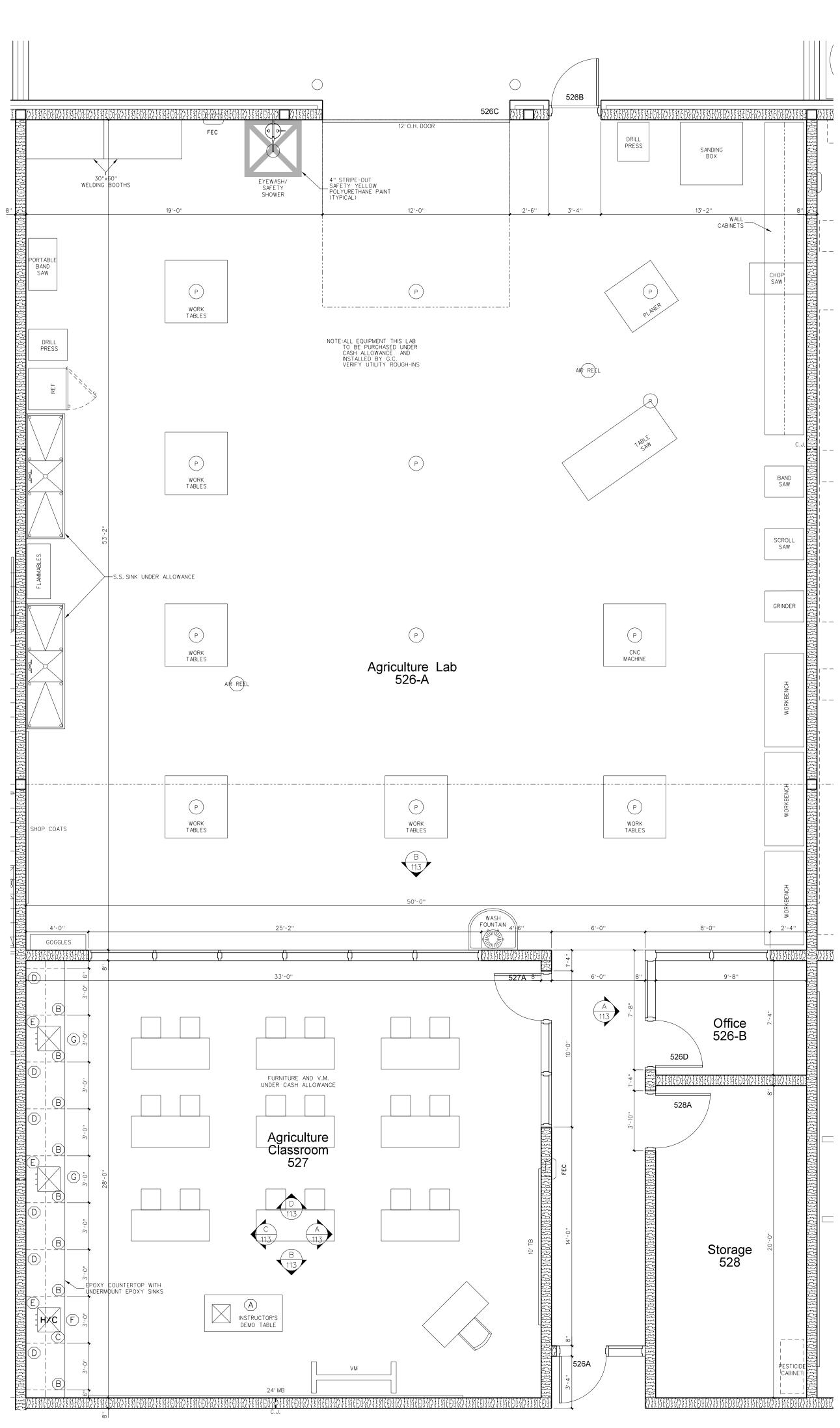
CAMPBELLRHEA 4294 WALL CASE OPEN FRONT

(4) TAILPIECES TO BE ACID RESISTANT POLYPROPELYNE.

B CAMPBELLRHEA 3687D BASE CABINET

F DURCON A25

G DURCON D25



113.1 ENLARGED FLOOR PLAN SCALE: 1/4" = 1'-0"

BUILDING FOR

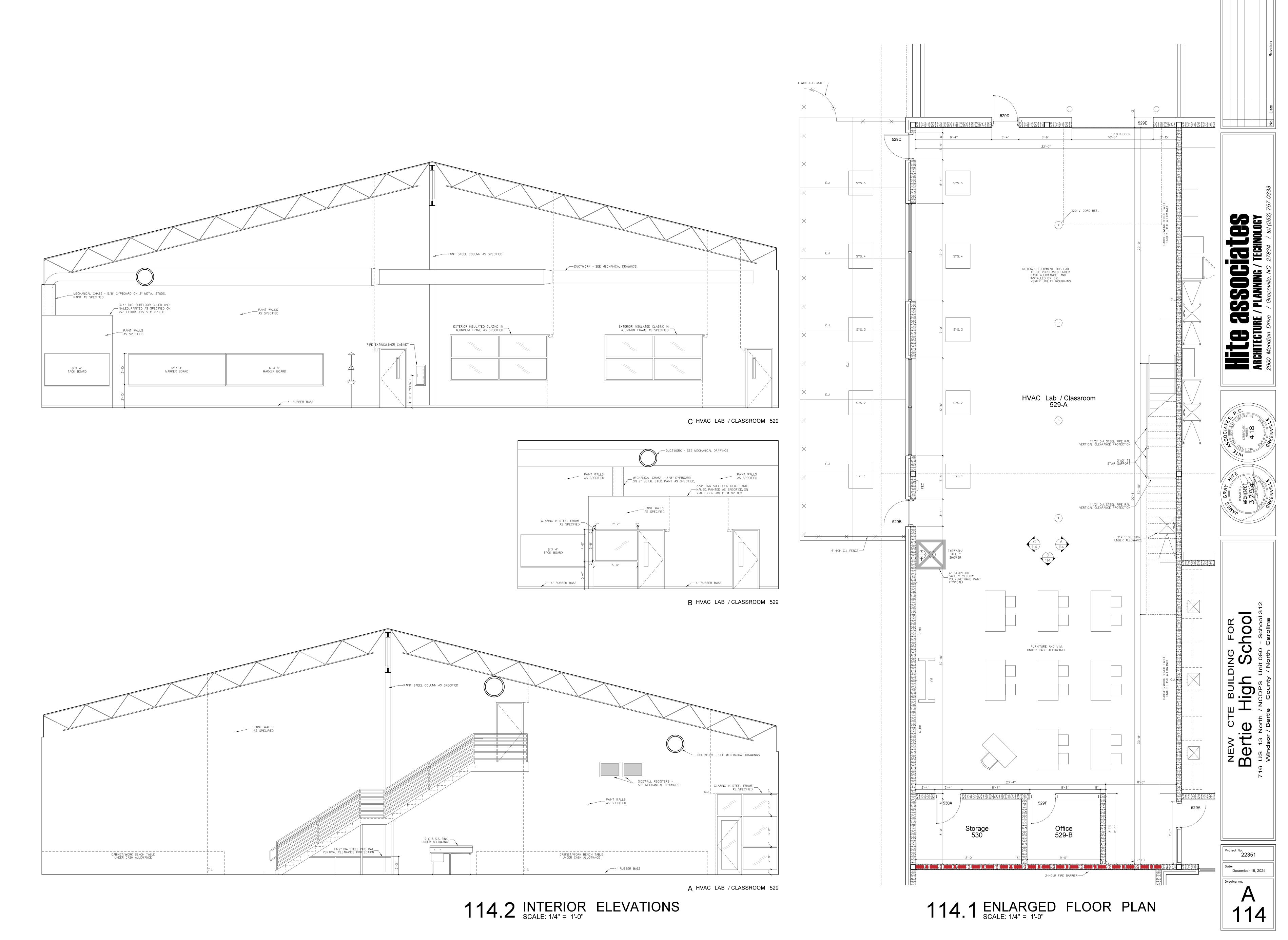
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General Notes for Wall Sections

- (1) SEE EXTERIOR ELEVATIONS FOR BRICK COLOR.
- (2) GENERAL CONTRACTOR SHALL VERIFY TOP OF FINISH GRADES, TOP OF OF CONCRETE WALKS AND TOP OF CONCRETE SLABS ADJACENT TO

BUILDING AND ADJUST LOCATION OF THROUGH WALL FLASHING ACCORDINGLY.

- (3) PROVIDE PLASTIC INSERT WEEPS AT ALL AT DOOR, WINDOW AND FLOOR FLASHING.
- (4) GENERAL CONTRACTOR SHALL SLOPE CONCRETE FLOOR TO FLOOR DRAINS
 AS SHOWN ON PLUMBING DRAWINGS.
- (5) ALL CMU CELLS BELOW FINISH FLOOR SHALL BE FILLED WITH CONCRETE.

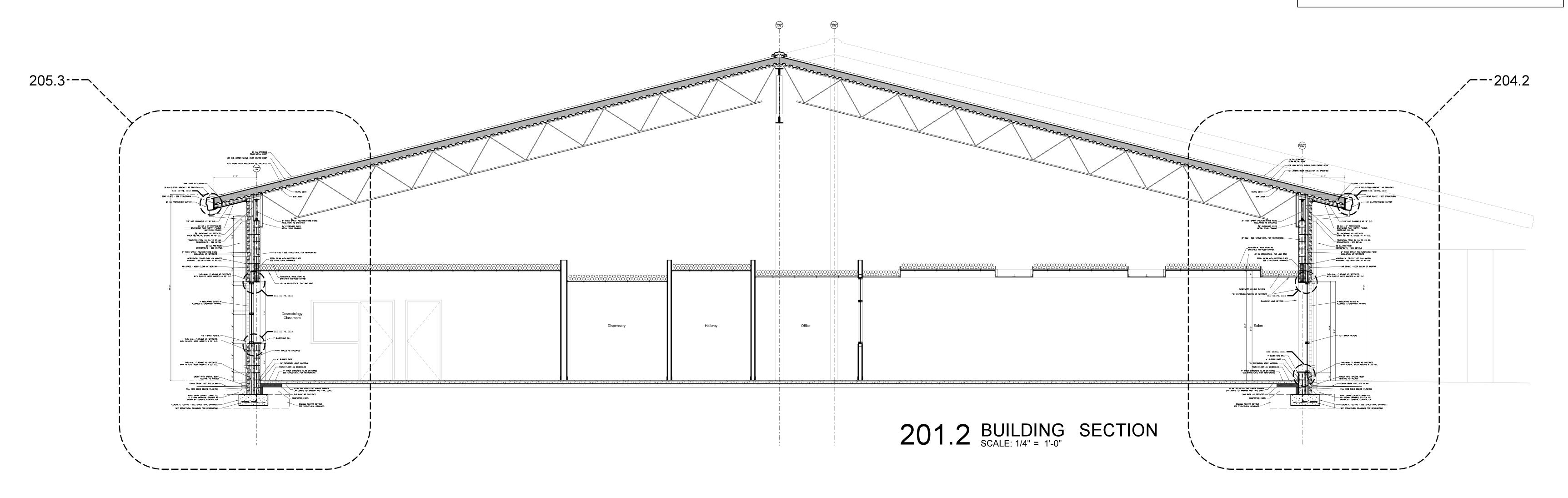
 (6) ALL VAPOR BARRIERS UNDER FLOOR SLABS SHALL BE LAPPED 12" MINIMUM
- AND TAPED CONTINUOUS AT JOINTS. GENERAL CONTRACTOR SHALL REPAIR
 ANY DAMAGED VAPOR BARRIER PRIOR TO PLACING CONCRETE.

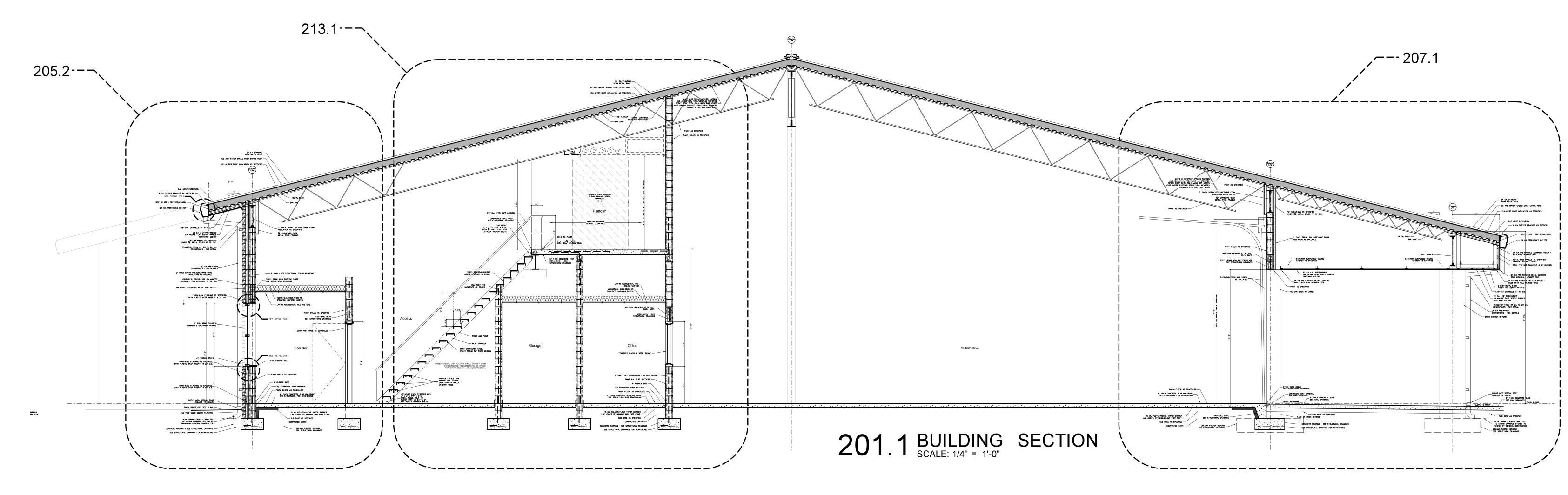
 (7) PROVIDE 4" MINIMUM SPRAY POLYURETHANE INSULATION IN ALL METAL STUDS
- EXTERIOR WALLS. SEE WALL SECTIONS AND SPECIFICATIONS.
- (8) PROVIDE SPRAY POLYURETHANE INSULATION IN ALL NESTED METAL STUD WINDOW AND DOOR JAMBS, SILLS AND HEADS.

(9) ALL INTERIOR METAL STUD/GYPSUM WALLBOARD PARTITIONS REQUIRE SOUND

- ATTENUATION BATTS.

 (10) PROVIDE METAL CHAIRS UNDER ALL STEEL WIRE MATS REINFORCING STEEL
- FOR CONCRETE SLABS AND FOUNDATIONS.
- (11) PROVIDE GYPSUM CONTROL JOINTS AT ALL GYPBOARD / METAL STUD WINDOW JAMBS. SEE INTERIOR ELEVATIONS.
- (12) ALL SEALANT COLORS TO BE SELECTED BY ARCHITECT.
- (13) ROOF INSULATION: TAPE ALL ROOF INSULATION JOINTS, BOTH LAYERS. LAP AND TAPE VAPOR BARRIER. ARCHITECT TO FIELD VERIFY PRIOR TO METAL ROOF PANEL INSTALLATION.
- (14) PROVIDE PRE-FORMED THRU-WALL FLASHING CORNER MEMBERS FOR EXTERIOR WALL CORNERS AS SPECIFIED.







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204.3 TYPICAL WALL SECTION AT SOLID WHITE BAND

204.2 WALL SECTION AT WINDOW SCALE: 3/4" = 1'-0"

204.1 TYPICAL WALL SECTION

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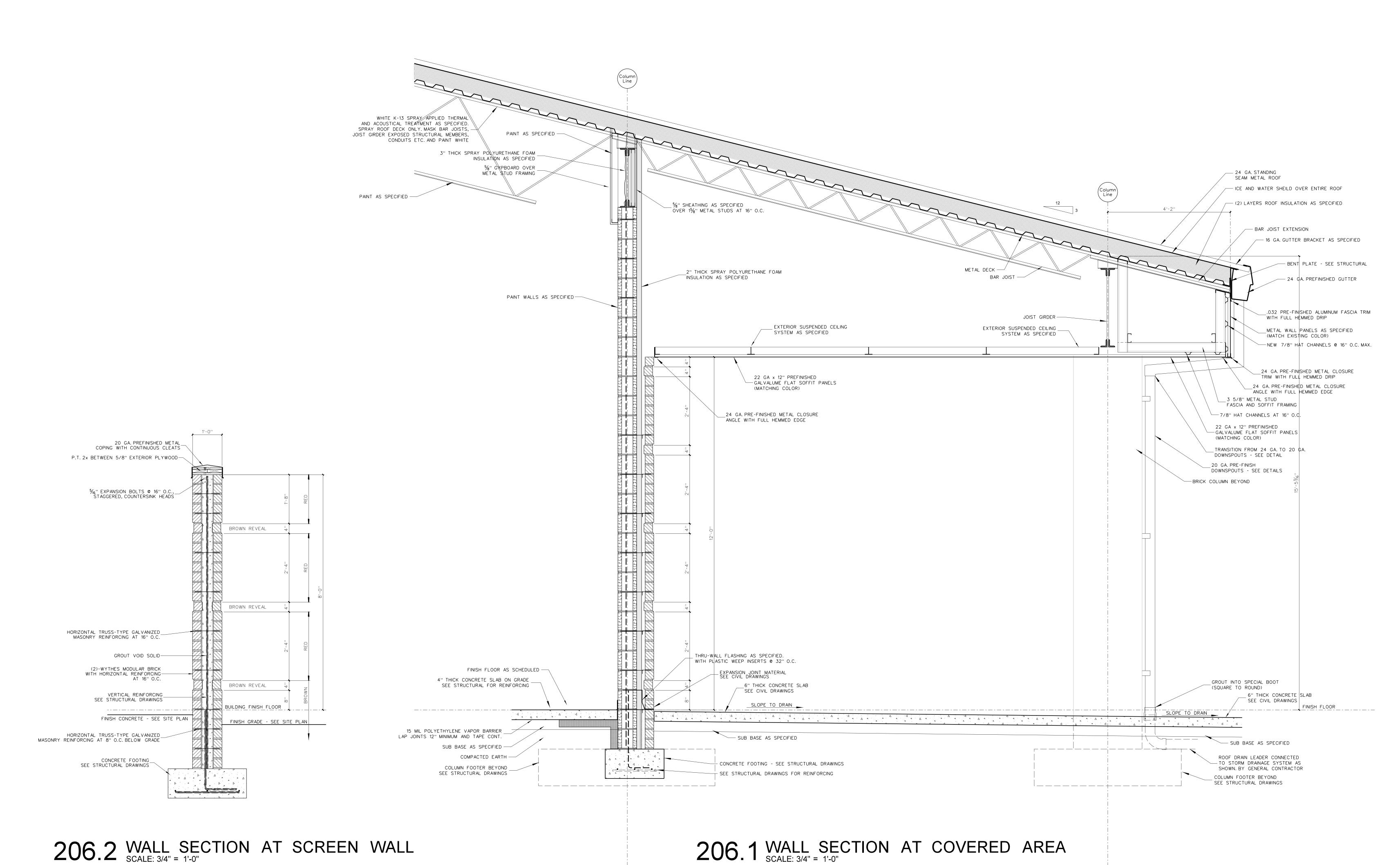
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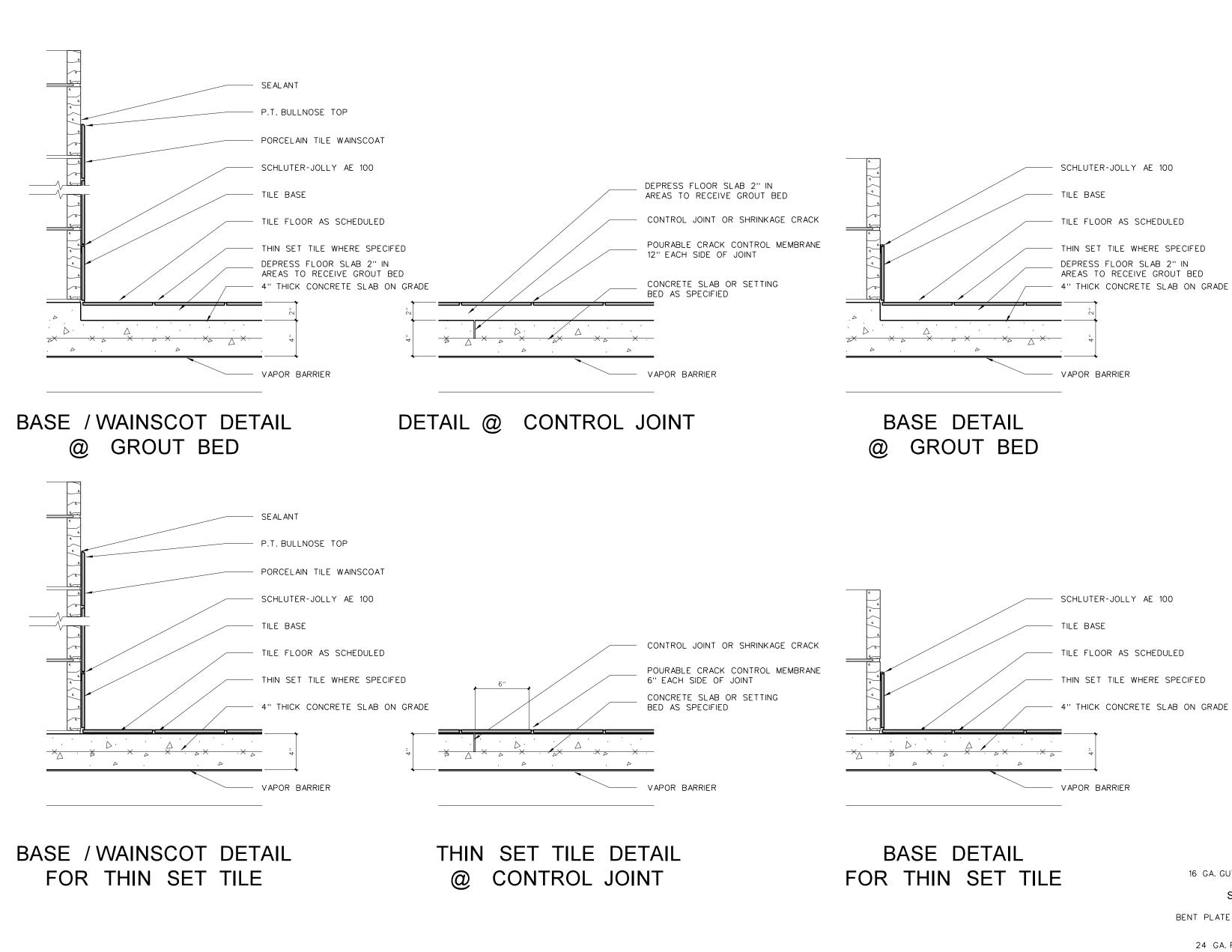
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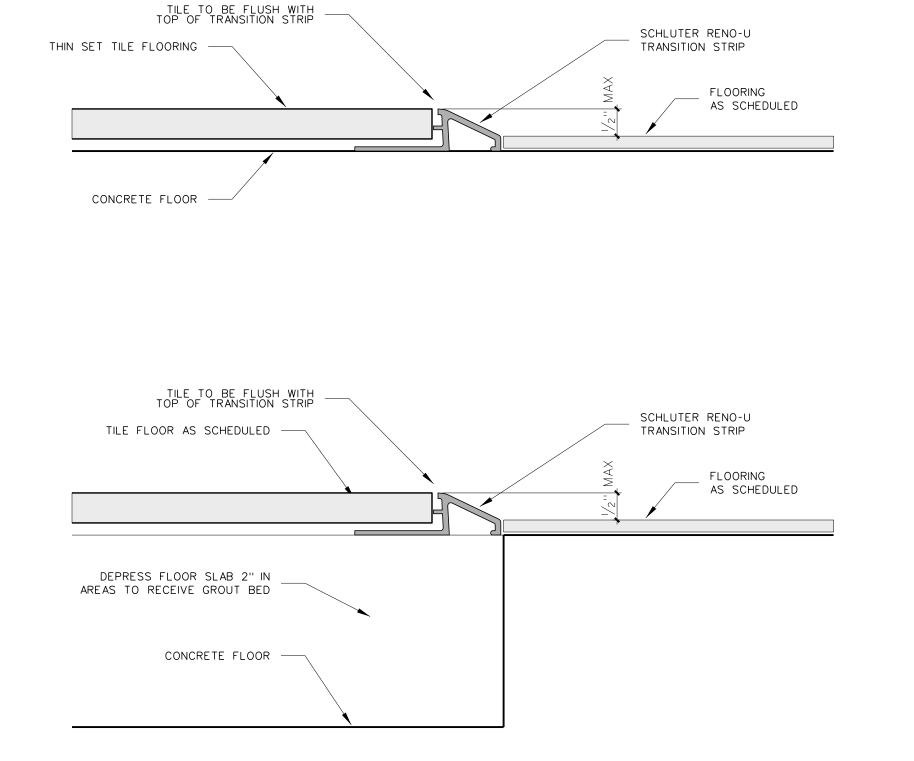
December 18, 2024

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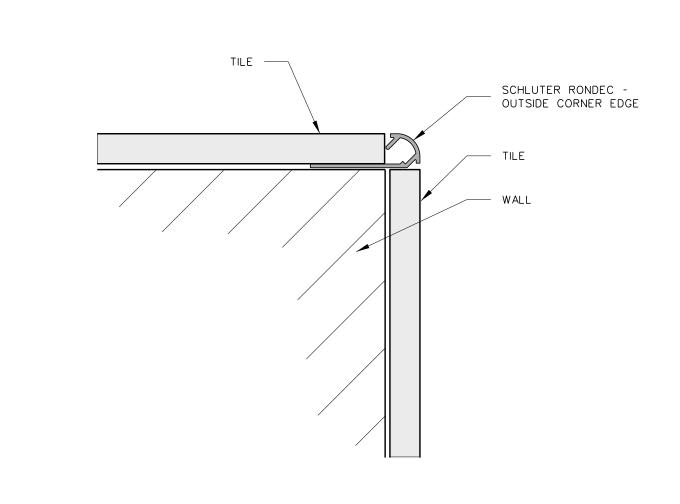
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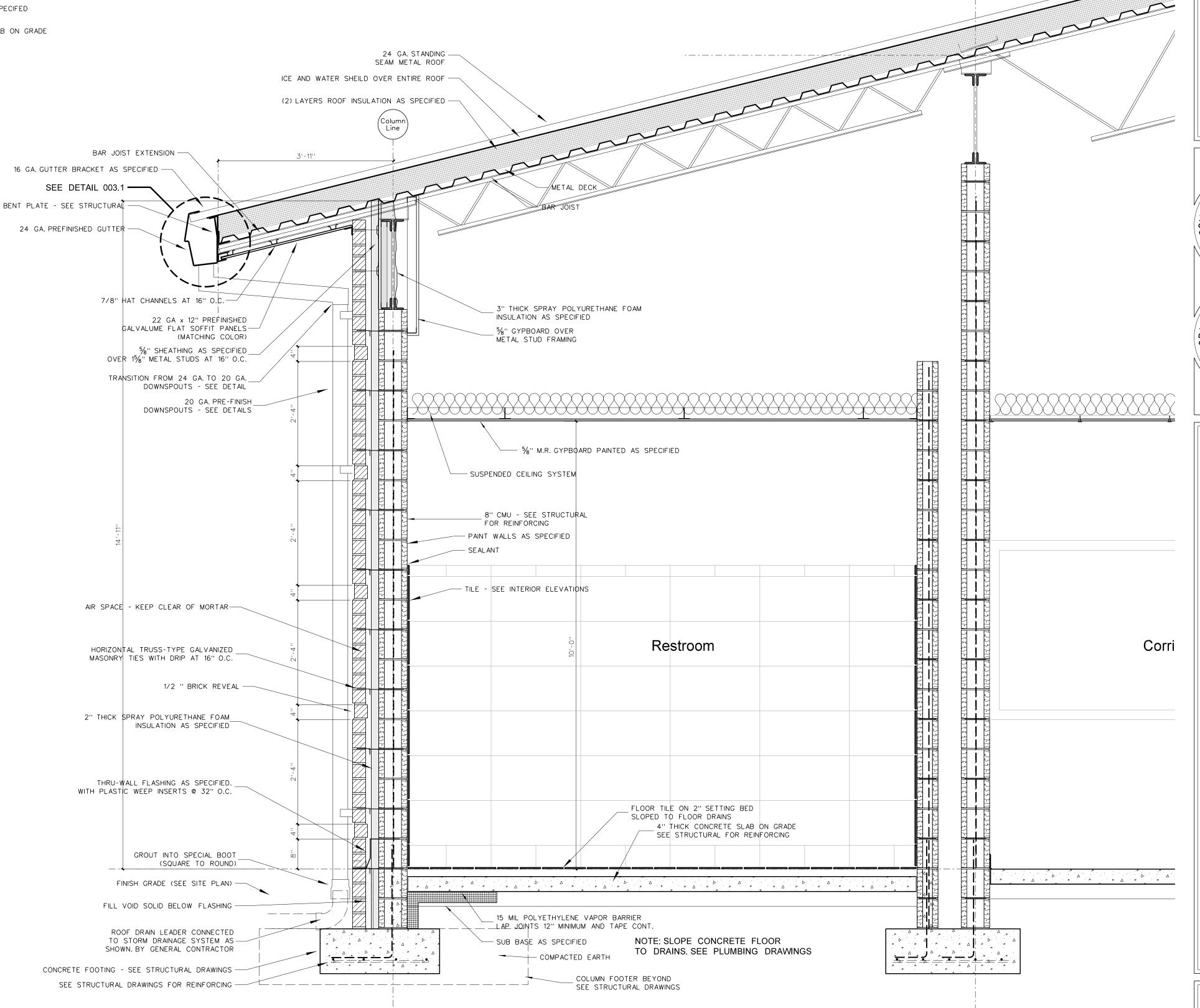
208.3 TILE DETAILS SCALE: 1 1/2" = 1'-0"



208.2 TILE THRESHOLD DETAILS SCALE: 1 1/2" = 1'-0"



208.4 OUTSIDE CORNER DETAIL SCALE: 1 1/2" = 1'-0"



208.1 WALL SECTION GROUP TOILETS

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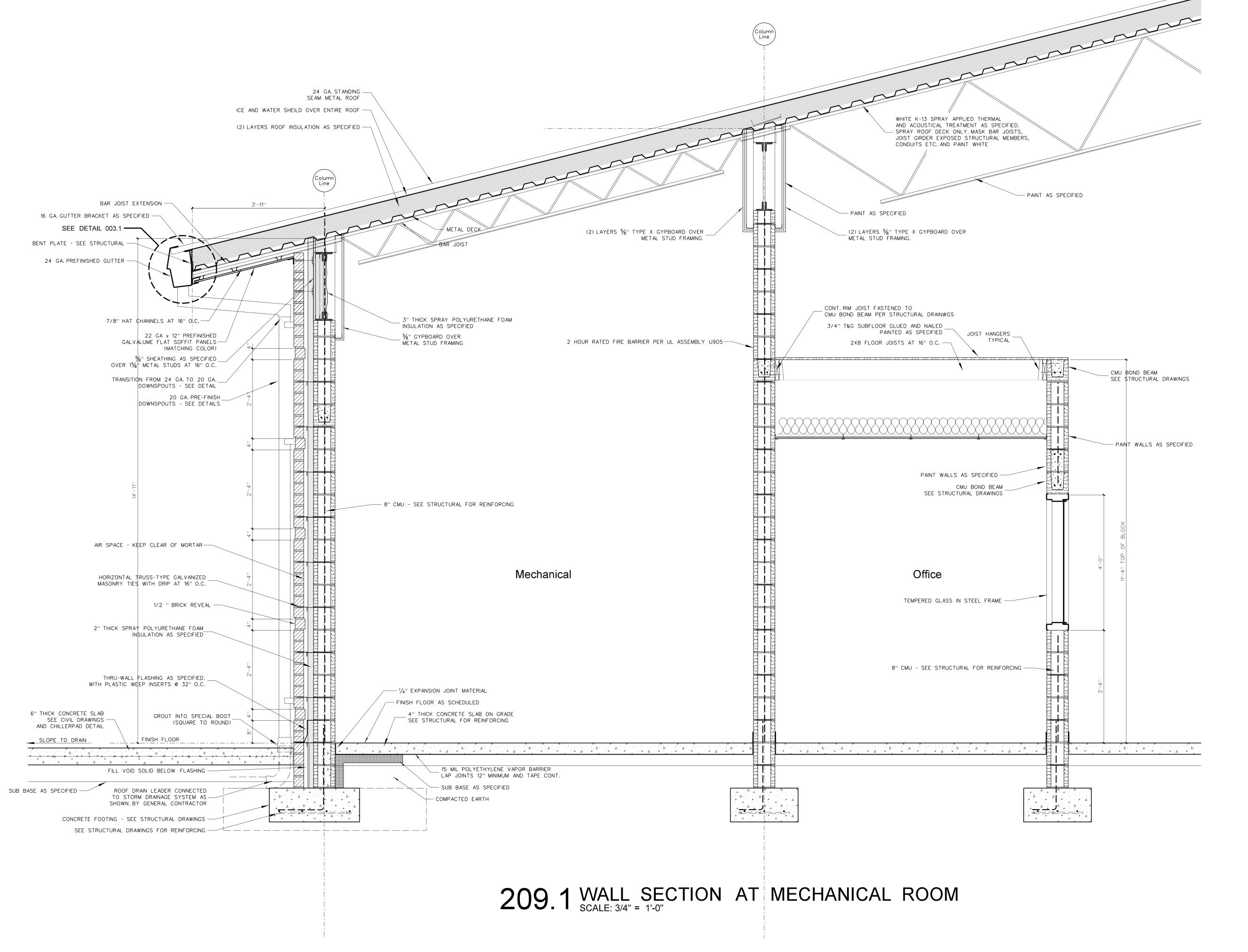
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209.2 CHILLER PAD DETAIL SCALE: 1" = 1'-0"



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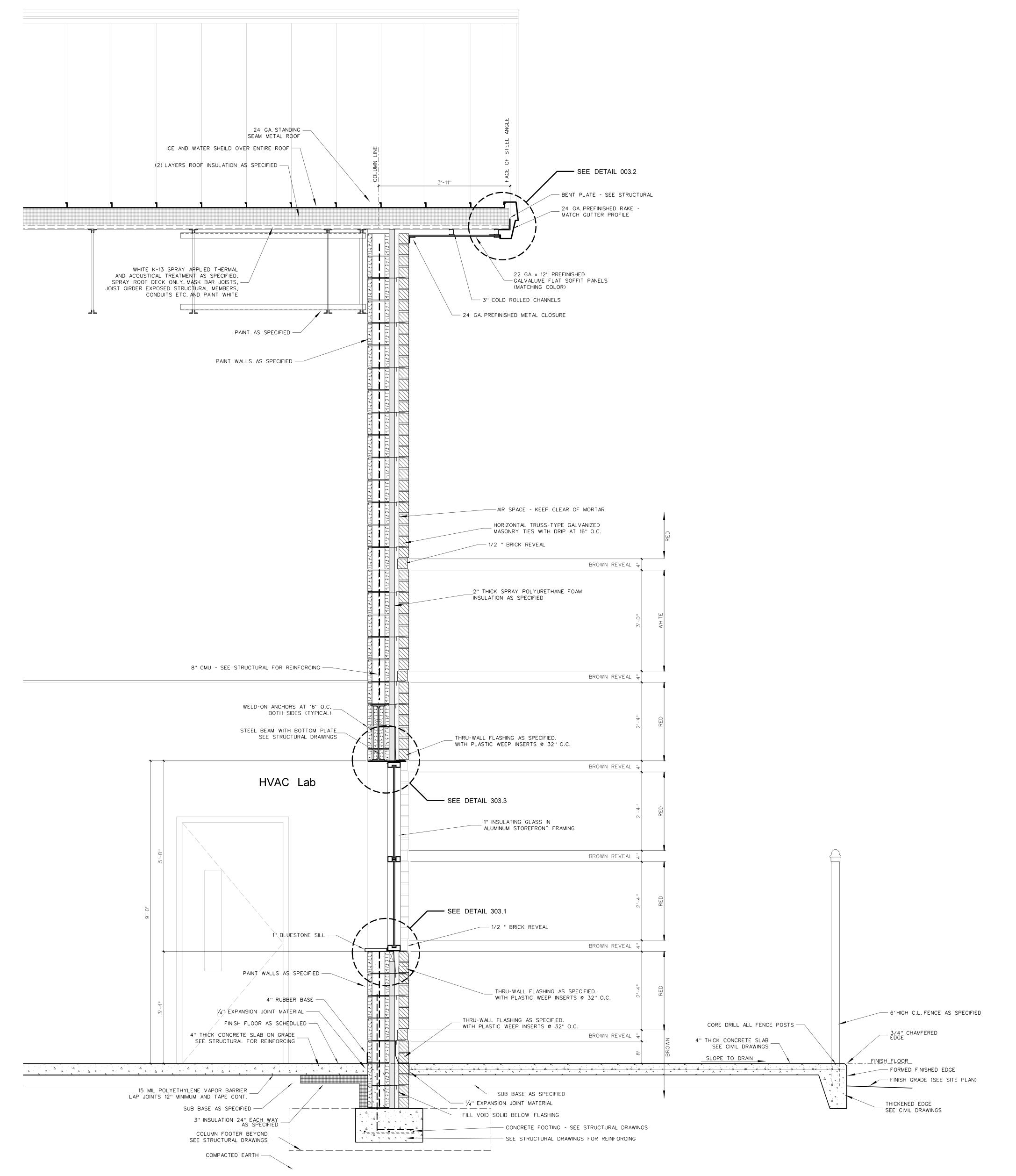
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210.2 RAKE WALL SECTION SCALE: 3/4" = 1'-0"

WHITE K-13 SPRAY APPLIED THERMAL
D ACOUSTICAL TREATMENT AS SPECIFIED.
AY ROOF DECK ONLY. MASK BAR JOISTS,
GIRDER EXPOSED STRUCTURAL MEMBERS,
CONDUITS ETC. AND PAINT WHITE 22 GA x 12" PREFINISHED
—— GALVALUME FLAT SOFFIT PANELS
(MATCHING COLOR) ____ 3" COLD ROLLED CHANNELS — 24 GA. PREFINISHED METAL CLOSURE PAINT AS SPECIFIED -PAINT WALLS AS SPECIFIED -—— AIR SPACE - KEEP CLEAR OF MORTAR _ HORIZONTAL TRUSS-TYPE GALVANIZED MASONRY TIES WITH DRIP AT 16" O.C. - 1/2 " BRICK REVEAL BROWN REVEAL 7 _2" THICK SPRAY POLYURETHANE FOAM INSULATION AS SPECIFIED BROWN REVEAL 7 BROWN REVEAL 7 BROWN REVEAL 7 HVAC Lab — 1/2 " BRICK REVEAL BROWN REVEAL 7 8" CMU - SEE STRUCTURAL FOR REINFORCING — PAINT WALLS AS SPECIFIED -4" RUBBER BASE — 1/4" EXPANSION JOINT MATERIAL — THRU-WALL FLASHING AS SPECIFIED. FINISH FLOOR AS SCHEDULED — -WITH PLASTIC WEEP INSERTS @ 32" O.C. 4" THICK CONCRETE SLAB ON GRADE _ SEE STRUCTURAL FOR REINFORCING BROWN REVEAL 7 — FINISH GRADE (SEE SITE PLAN) 15 MIL POLYETHYLENE VAPOR BARRIER _ LAP JOINTS 12" MINIMUM AND TAPE CONT. SUB BASE AS SPECIFIED -FILL VOID SOLID BELOW FLASHING 3" INSULATION 24" EACH WAY AS SPECIFIED COLUMN FOOTER BEYOND _ SEE STRUCTURAL DRAWINGS - CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS - SEE STRUCTURAL DRAWINGS FOR REINFORCING COMPACTED EARTH —

24 GA. STANDING — SEAM METAL ROOF

ICE AND WATER SHEILD OVER ENTIRE ROOF -

(2) LAYERS ROOF INSULATION AS SPECIFIED —

210.1 RAKE WALL SECTION SCALE: 3/4" = 1'-0"

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SEE DETAIL 003.2

_ 24 GA. PREFINISHED RAKE -MATCH GUTTER PROFILE

- BENT PLATE - SEE STRUCTURAL

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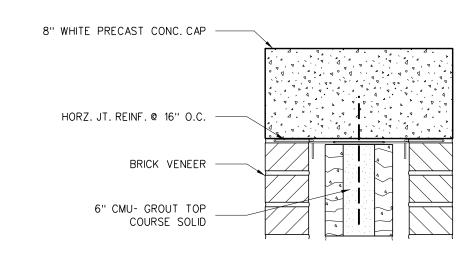
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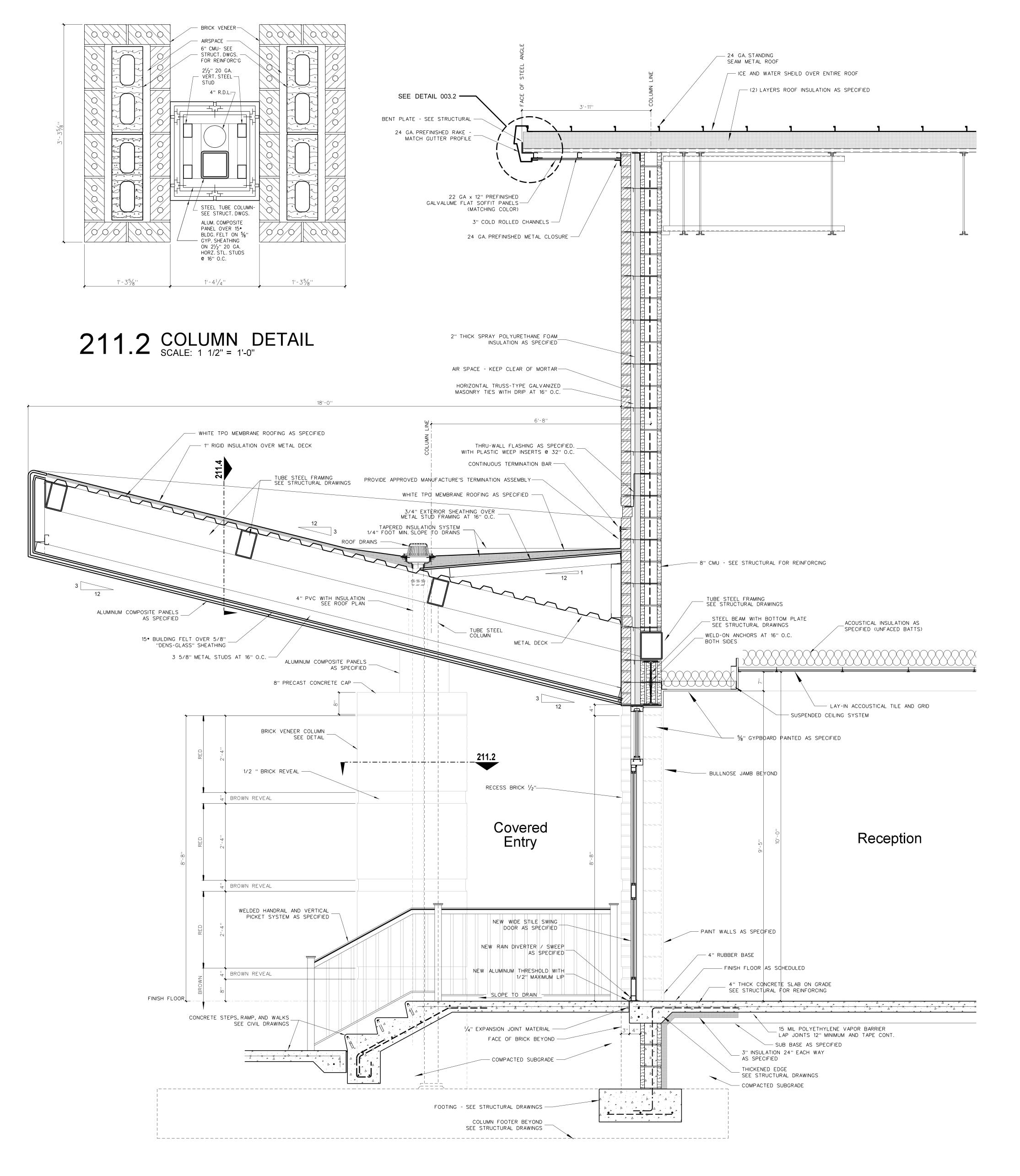
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211.4 PARAPET DETAIL SCALE: 1 1/2" = 1'-0"



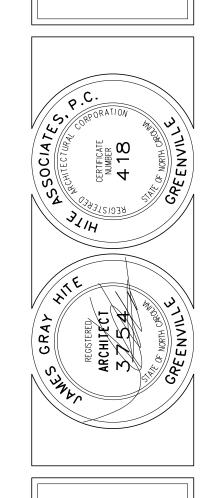
211.3 CONCRETE CAP DETAIL
SCALE: 1 1/2" = 1'-0"



211.1 WALL SECTION AT COSMETOLOGY ENTRY

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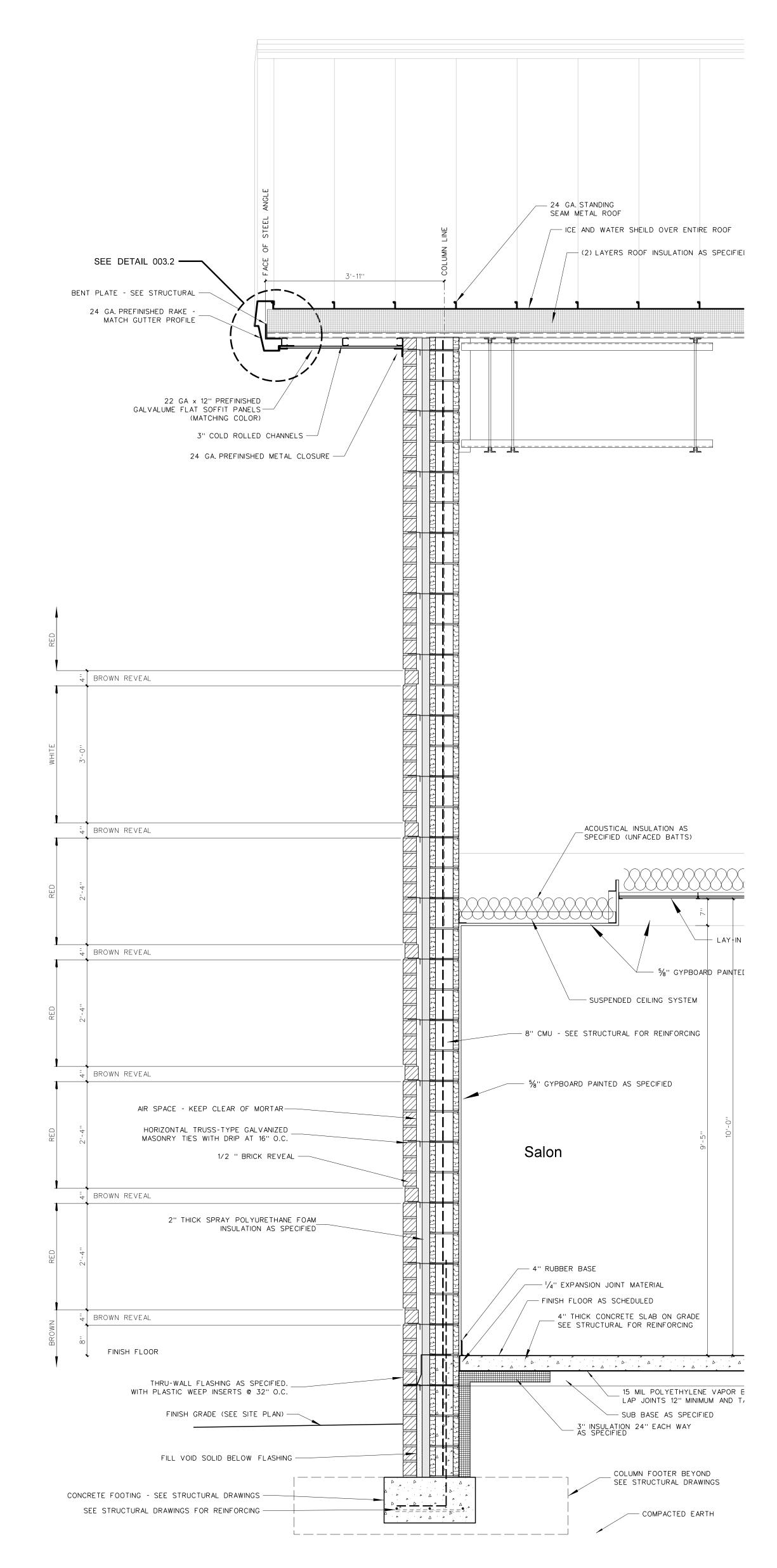
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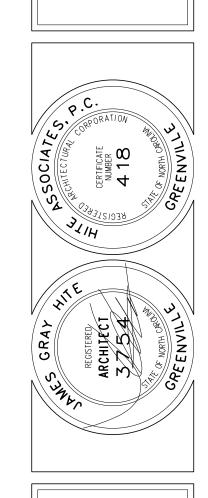
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212.2 RAKE WALL SECTION SCALE: 3/4" = 1'-0"



212.1 RAKE WALL SECTION SCALE: 3/4" = 1'-0"

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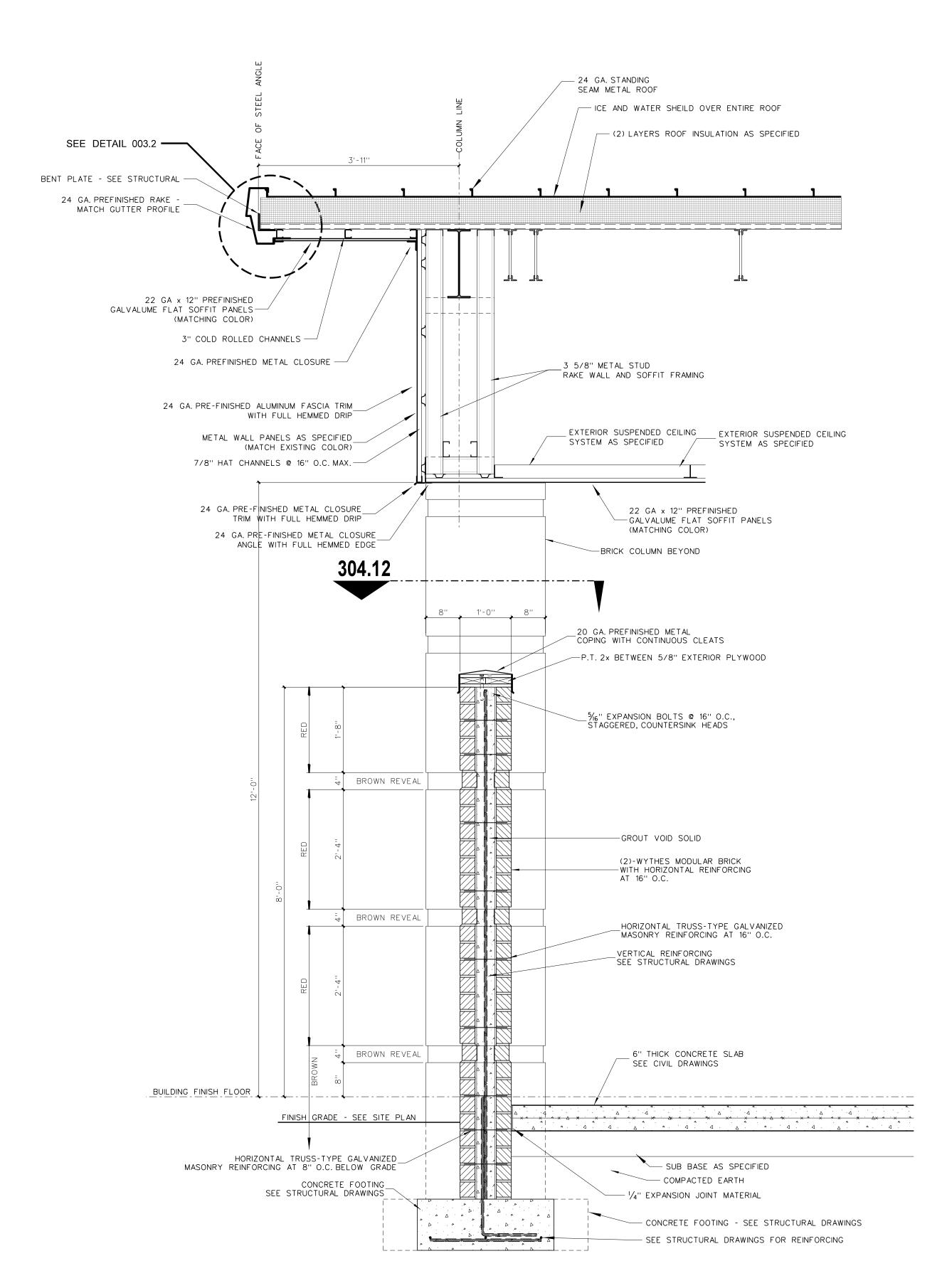
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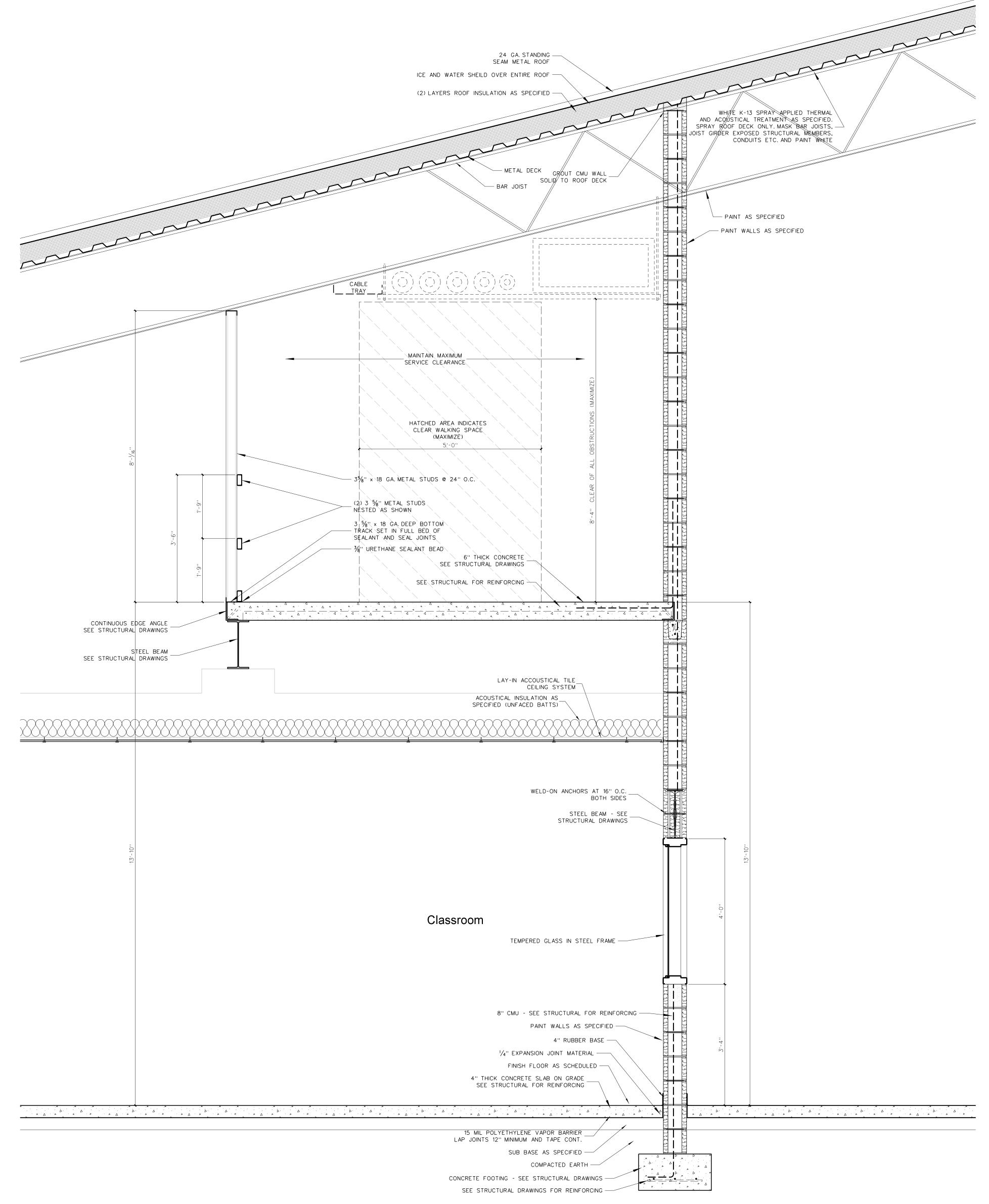
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213.1 WALL SECTION AT PLATFORM ACCESS



214.2 RAKE WALL SECTION SCALE: 3/4" = 1'-0"



214.1 WALL SECTION AT PLATFORM

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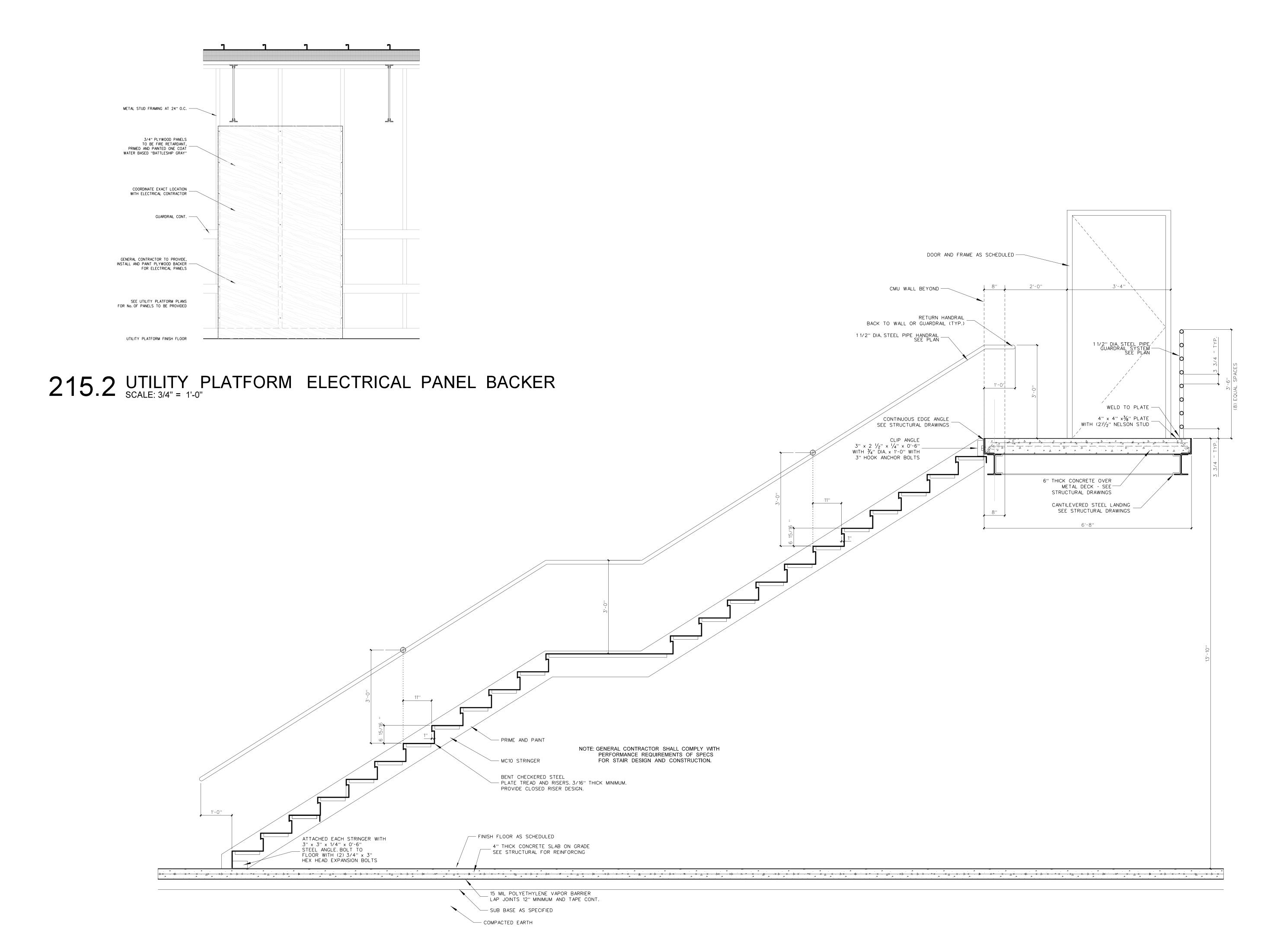
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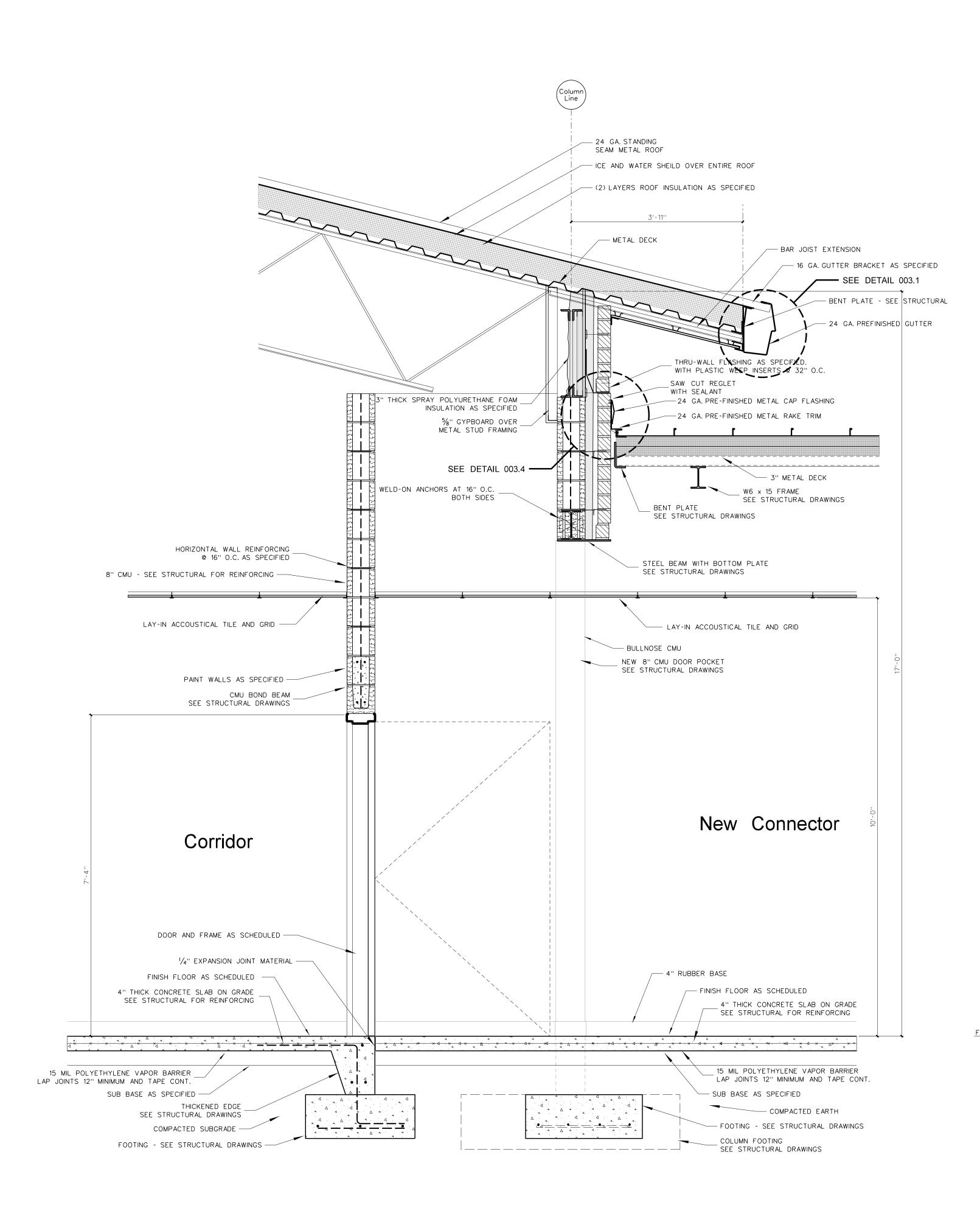
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216.2 SECTION AT CONNECTOR SCALE: 3/4" = 1'-0"

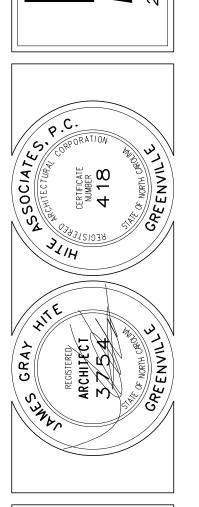
216.1 SECTION AT CONNECTOR

COLUMN FOOTING

SEE STRUCTURAL DRAWINGS

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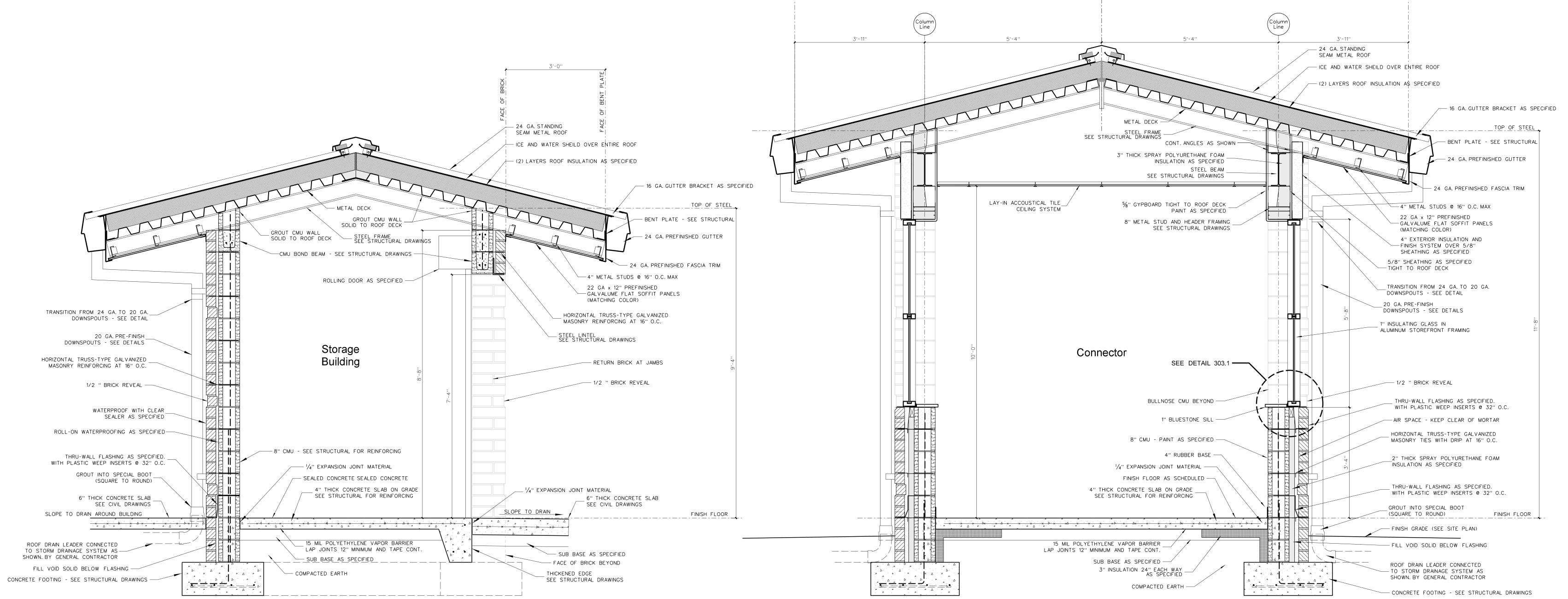
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217.2 SECTION AT STORAGE BUILDING

217.1 SECTION AT CONNECTOR SCALE: 3/4" = 1'-0"

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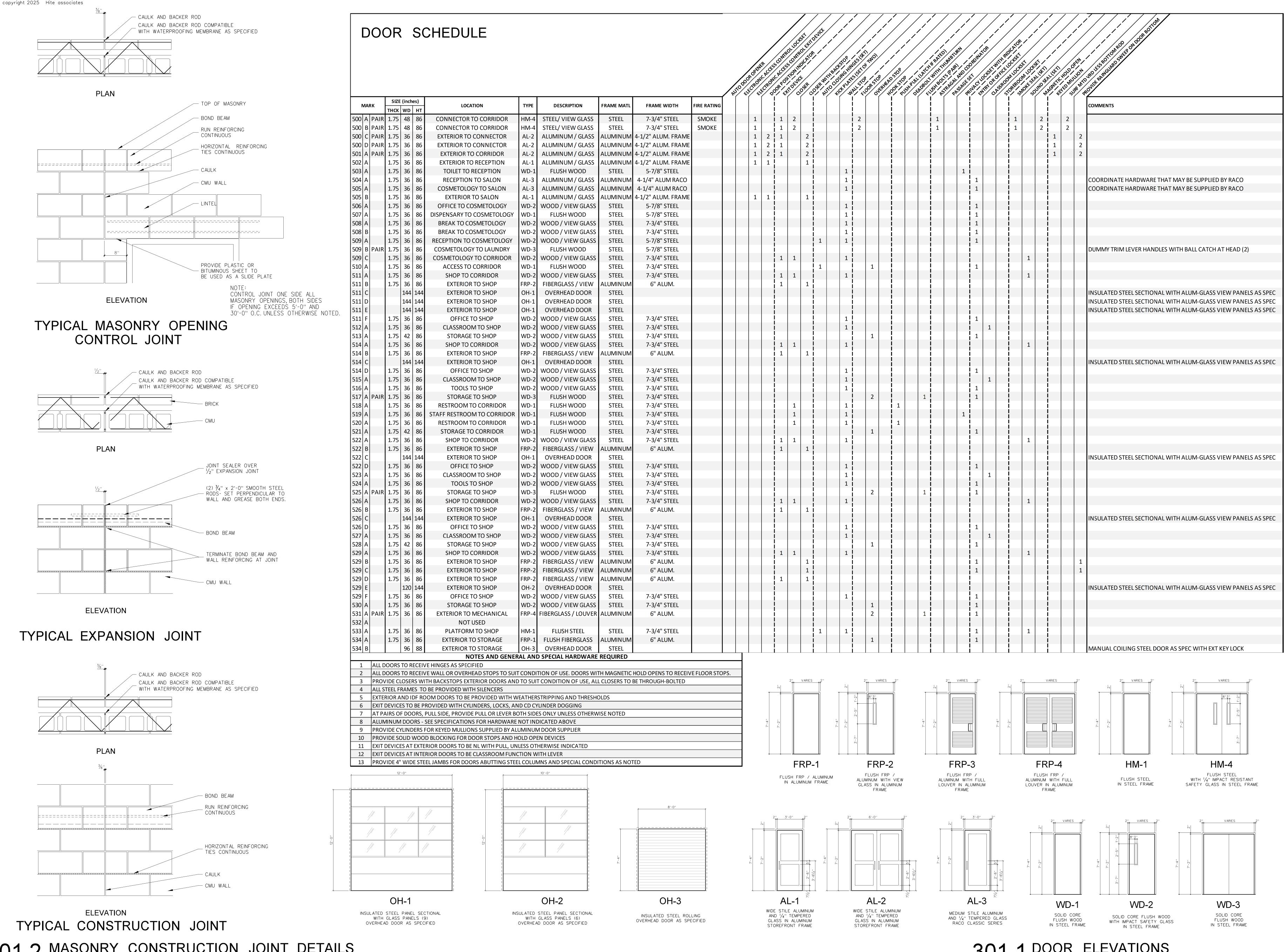
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301.1 DOOR ELEVATIONS

December 18, 2024 Drawing no.

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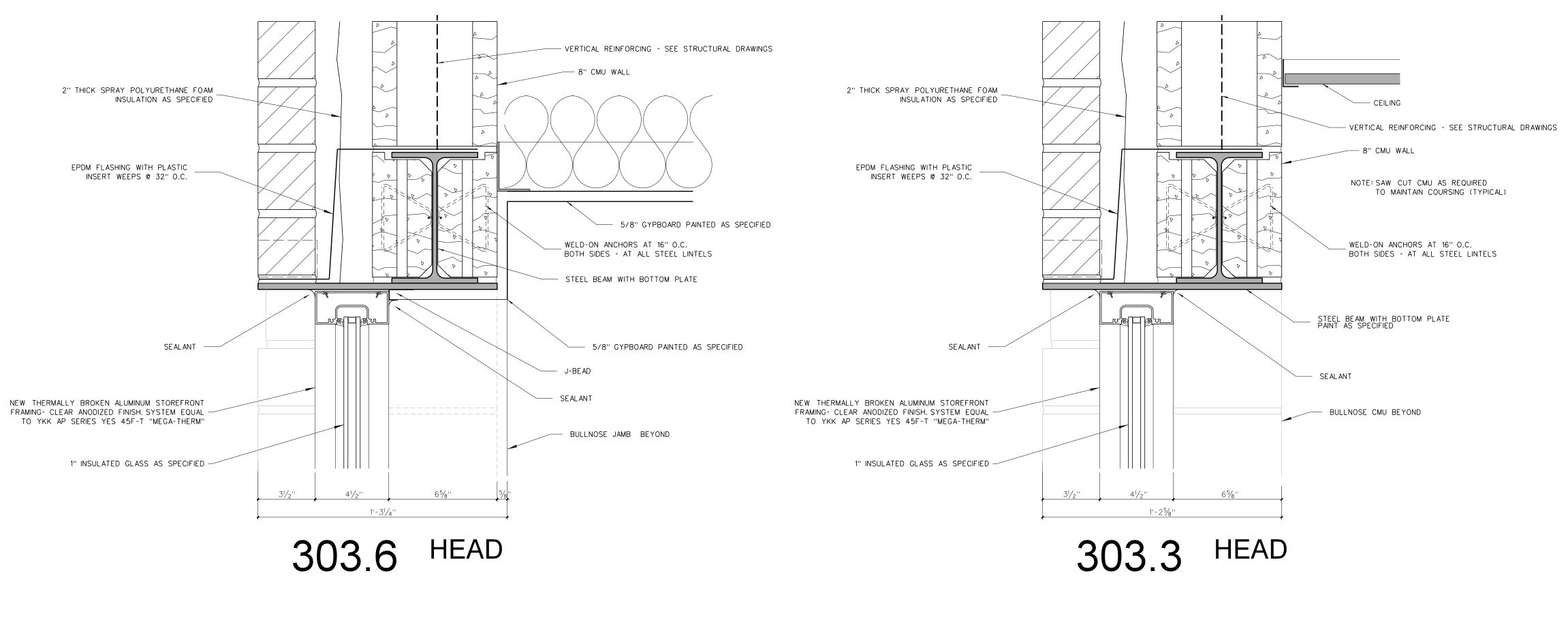
16 US 13 North / NCDPS Unit 080 - School 312

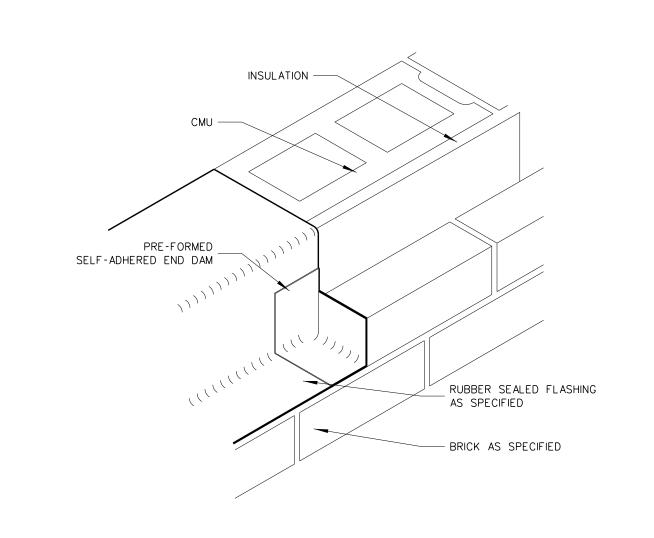
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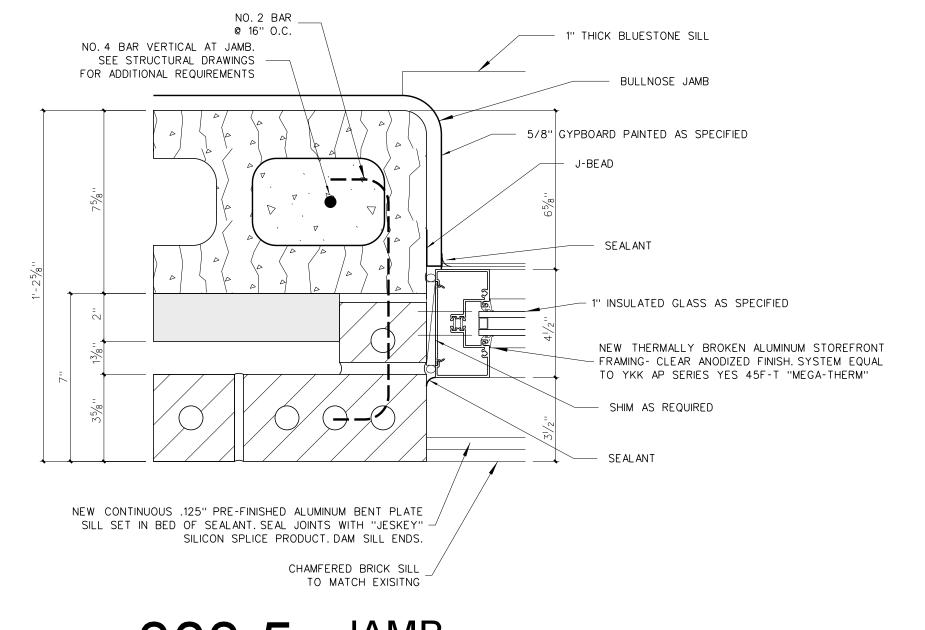
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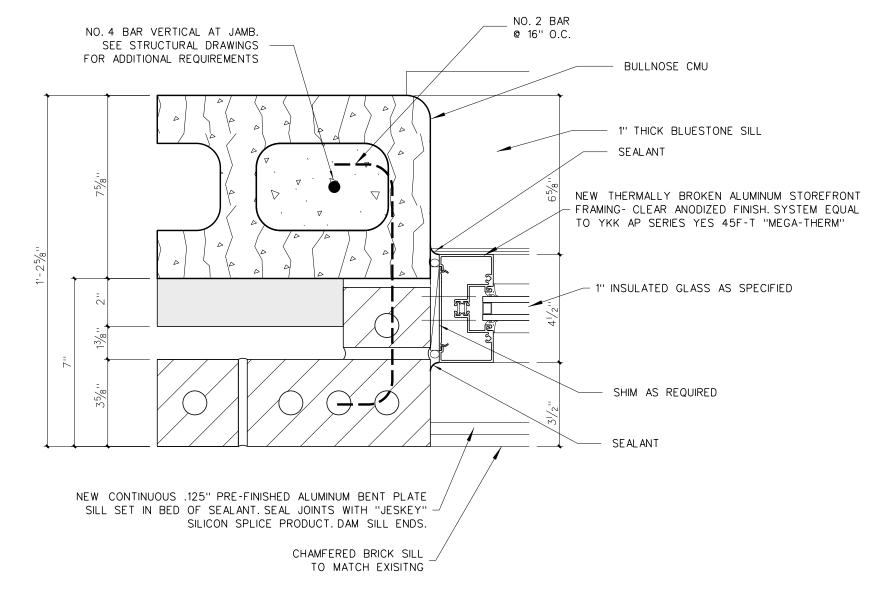
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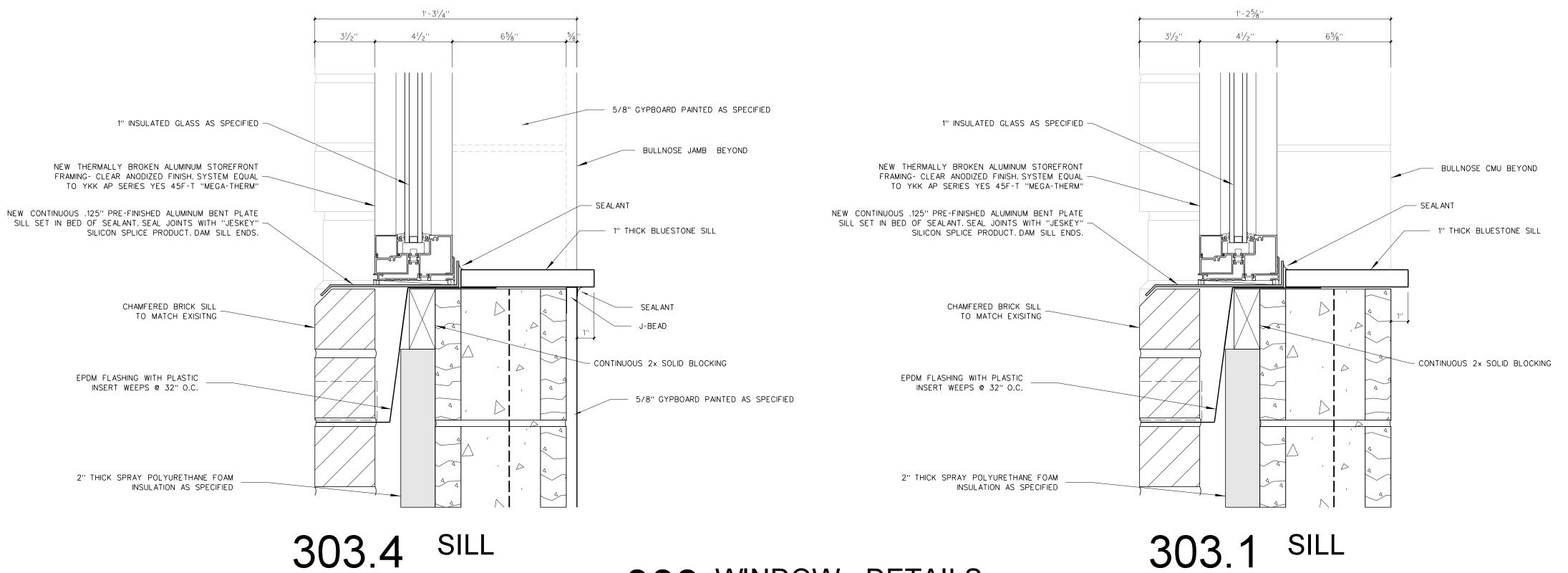




303.7 WINDOW FLASHING DETAIL

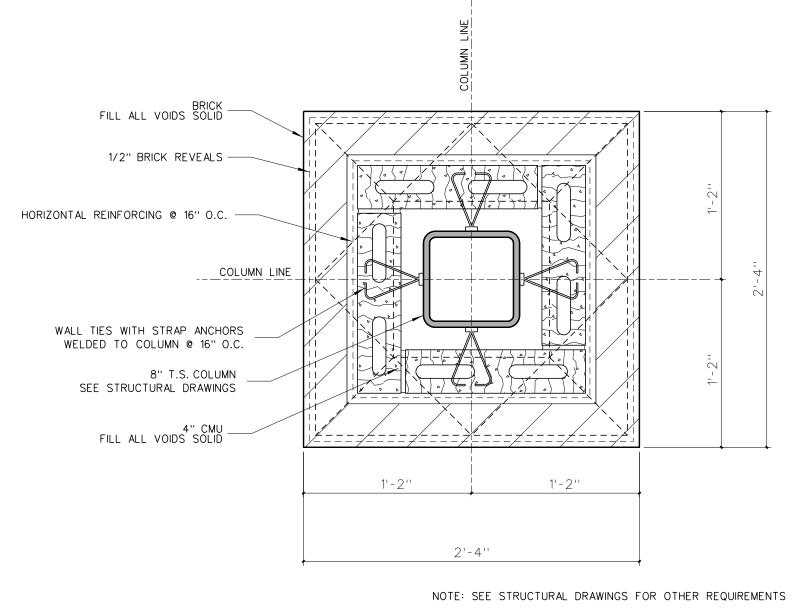




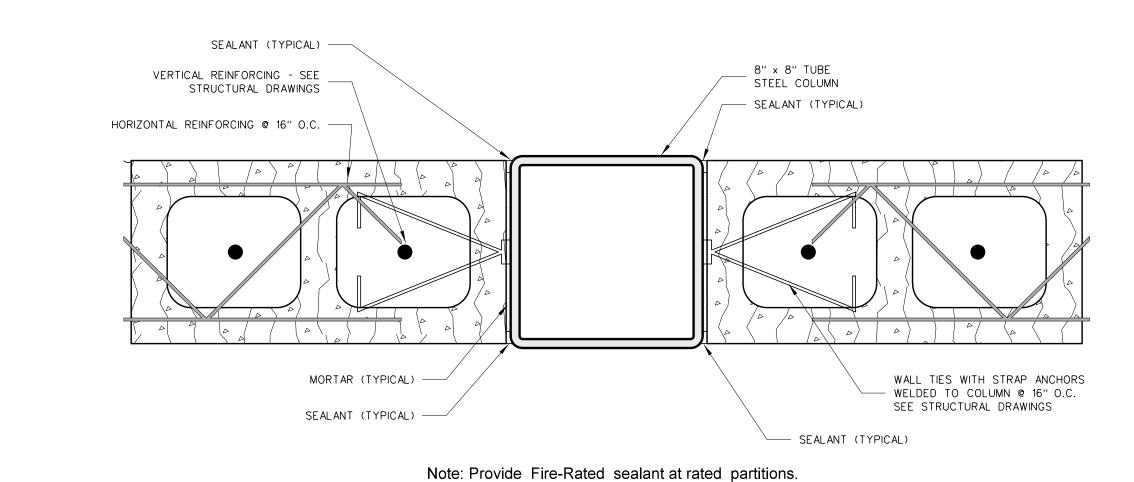


303 WINDOW DETAILS

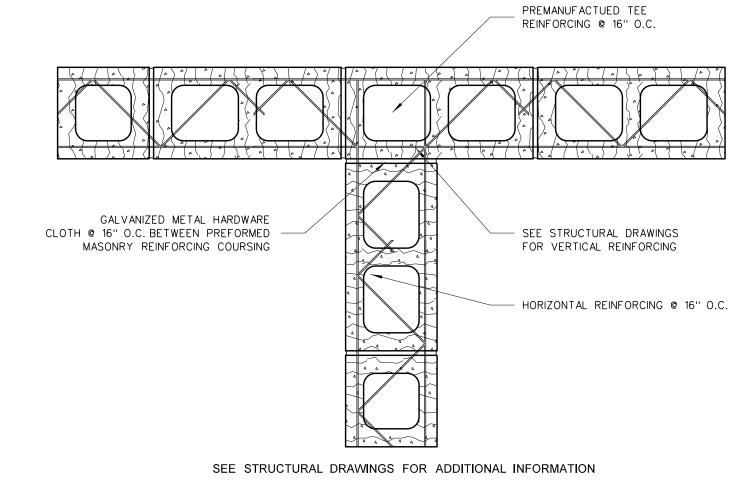
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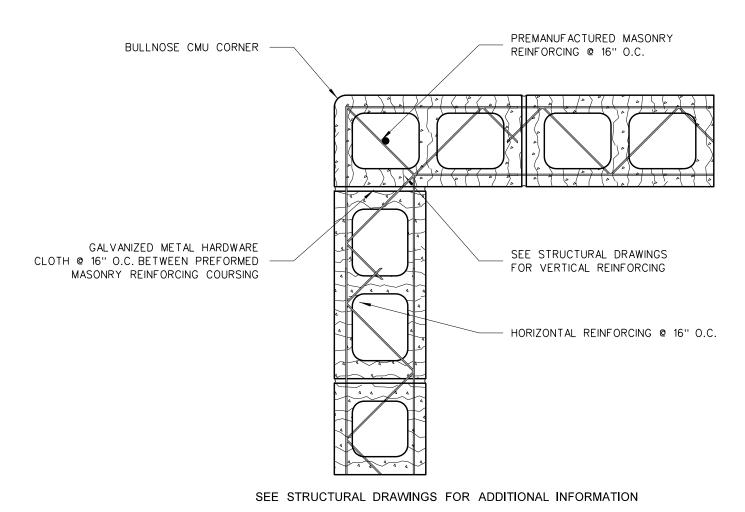
304.11 BRICK COLUMN DETAIL



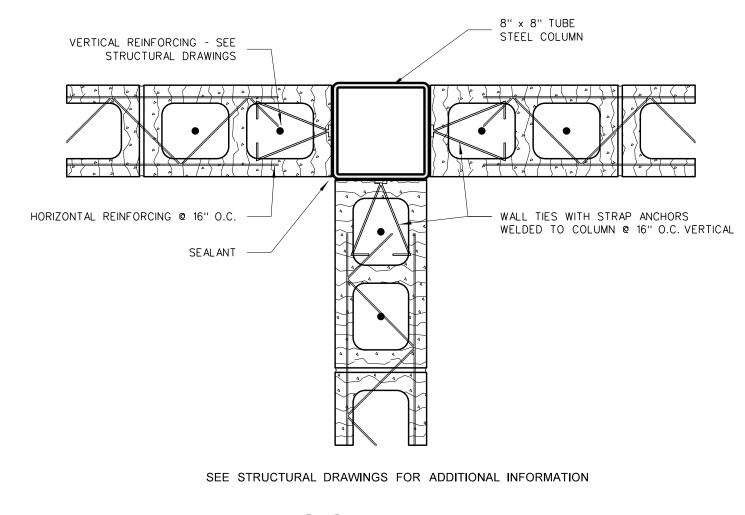
304.10 TYPICAL CMU / COLUMN DETAIL



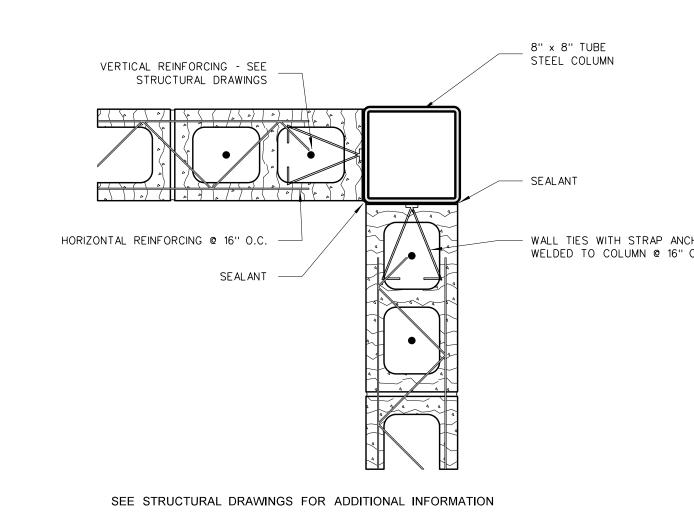
304.9 COLUMN DETAIL



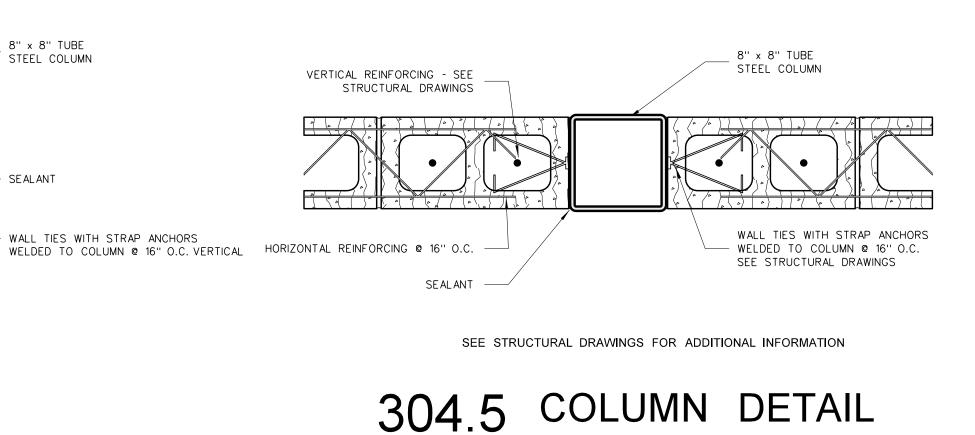
304.8 CMU WALL INTERSECTION

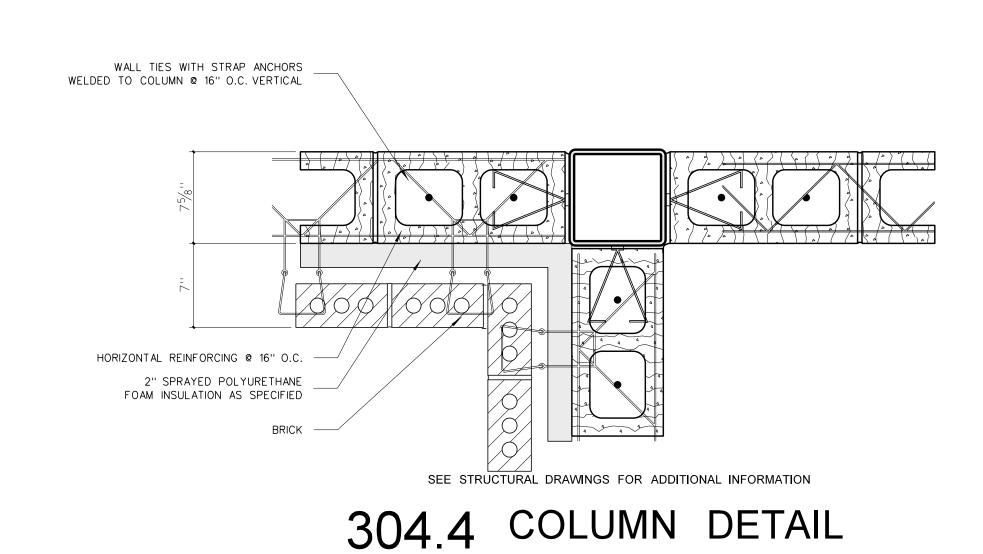


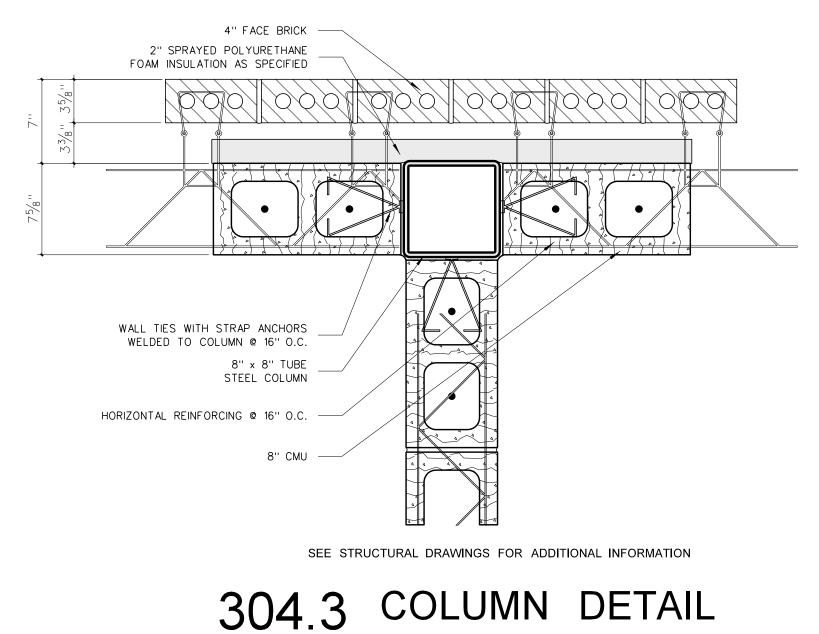
304.7 COLUMN DETAIL

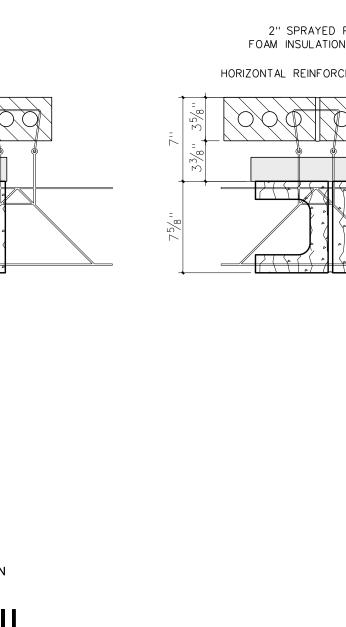


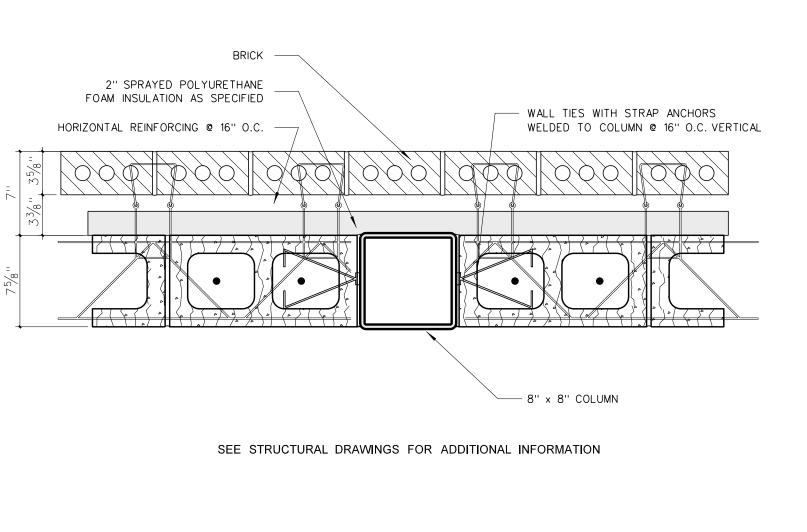
304.6 COLUMN DETAIL





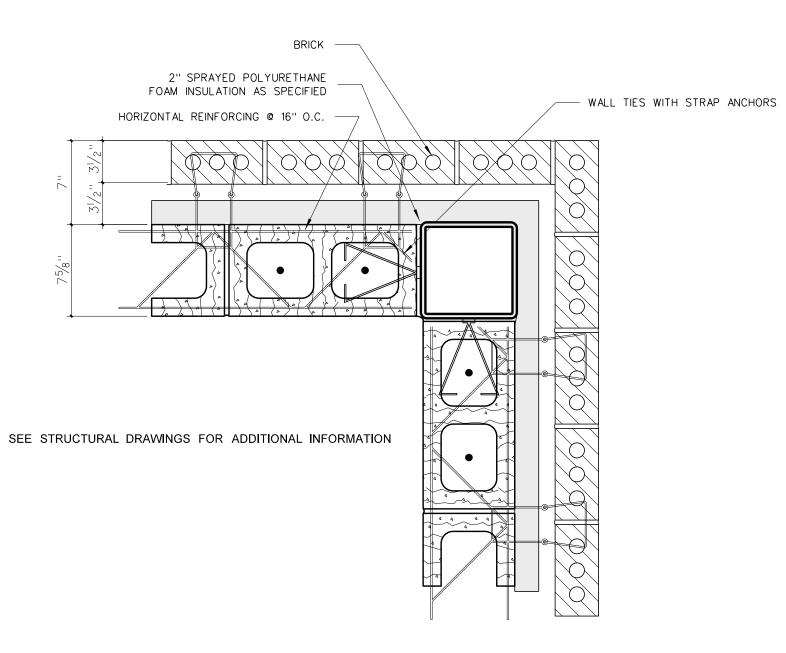






304.2 COLUMN DETAIL

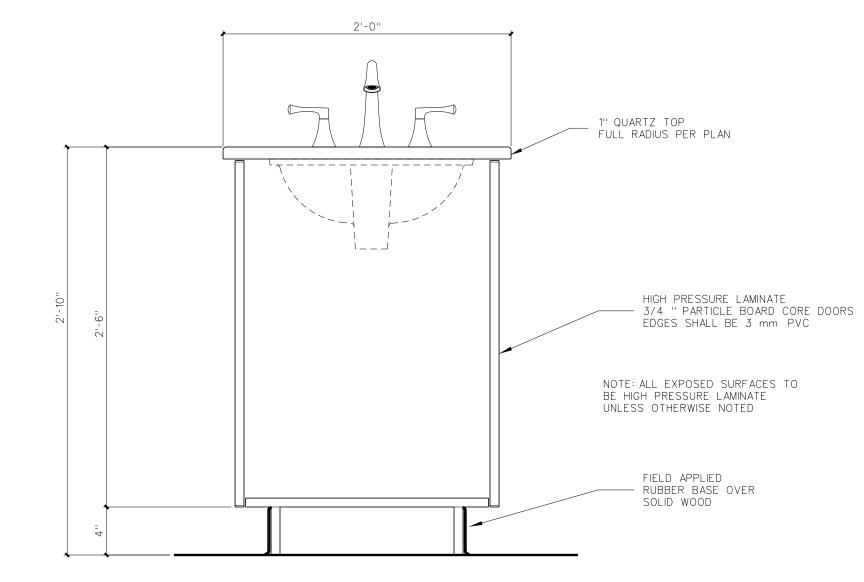


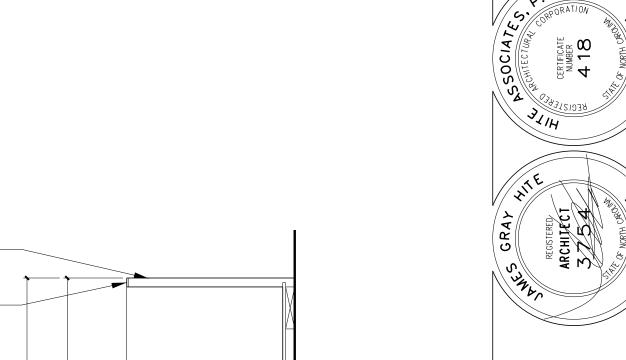


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304 COLUMN DETAILS SCALE: 1 1/2" = 1'-0"

<u>FINI</u>	SH SCHEDULE						
MARK	AREA	FLOOR	BASE	WALLS	CEILING	CLG HEIGHT	REMARKS
500	PEDESTRIAN WALKWAY	LVP	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	
501	CORRIDOR	LVP	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	
502	RECEPTION	LVP	4" RUBBER	VWC OVER DRYWALL	ACOUSTICAL TILE	9'-0''	
503	TOILET	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE / VWC ON DRYWALL	ACOUSTICAL TILE	8'-6"	THINSET - DO NOT DEPRESS
504	SALON A	LVP	4" RUBBER	VWC OVER DRYWALL	PAINTED DRYWALL / ACOUST TILE	10'-0''	
505	SALON B	LVP	4" RUBBER	VWC OVER DRYWALL	PAINTED DRYWALL / ACOUST TILE	10'-0"	
506	OFFICE	LVP	4" RUBBER	VWC OVER DRYWALL	ACOUSTICAL TILE	9'-0"	
507	DISPENSARY	LVP	4" RUBBER	PAINTED DRYWALL	ACOUSTICAL TILE	9'-0"	
508	BREAK	LVP	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	
509	COSMETOLOGY CLASSROOM	LVP	4" RUBBER	PAINTED DRYWALL	ACOUSTICAL TILE	10'-0"	
510	ACCESS	SEALED CONC.	4" RUBBER	PAINTED CMU	EXPOSED STRUCTURE	VARIES	
511 A	AUTOMOTIVE SHOP AREA	SEALED CONC.	4" RUBBER	PAINTED CMU	WHITE ACOUST SPRAY ON DECK / PNT ALL OTHER EXPOSED	VARIES	POLISHED CONCRETE AS SPECIFIED
511 B	OFFICE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
512	AUTOMOTIVE CLASSROOM	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
513	STORAGE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	11'-0"	POLISHED CONCRETE AS SPECIFIED
514 A	WELDING SHOP AREA	SEALED CONC.	4" RUBBER	PAINTED CMU	WHITE ACOUST SPRAY ON DECK / PNT ALL OTHER EXPOSED	VARIES	POLISHED CONCRETE AS SPECIFIED
514 B	OFFICE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
515	WELDING CLASSROOM	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
516	TOOLS	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
517	STORAGE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	11'-0"	POLISHED CONCRETE AS SPECIFIED
518	WOMEN	CERAMIC TILE	CERAMIC TILE	CER TILE/PNT CMU	ACOUSTICAL TILE	10'-0"	DEPRESS SLAB 2"
519	STAFF	CERAMIC TILE	CERAMIC TILE	CER TILE/PNT CMU	ACOUSTICAL TILE	10'-0"	THINSET - DO NOT DEPRESS
520	MEN	CERAMIC TILE	CERAMIC TILE	CER TILE/PNT CMU	ACOUSTICAL TILE	10'-0"	DEPRESS SLAB 2"
521	CUSTODIAN / STORAGE	LVP	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	
522 A	CARPENTRY SHOP AREA	SEALED CONC.	4" RUBBER	PAINTED CMU	WHITE ACOUST SPRAY ON DECK / PNT ALL OTHER EXPOSED	VARIES	POLISHED CONCRETE AS SPECIFIED
522 B	OFFICE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
523	CARPENTRY CLASSROOM	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0''	POLISHED CONCRETE AS SPECIFIED
524	TOOLS	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
525	STORAGE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	11'-0''	POLISHED CONCRETE AS SPECIFIED
526 A	AGRICULTURE SHOP AREA	SEALED CONC.	4" RUBBER	PAINTED CMU	WHITE ACOUST SPRAY ON DECK / PNT ALL OTHER EXPOSED	VARIES	POLISHED CONCRETE AS SPECIFIED
526 B	OFFICE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
527	AG CLASSROOM	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
528	STORAGE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	11'-0''	POLISHED CONCRETE AS SPECIFIED
529 A	HVAC	SEALED CONC.	4" RUBBER	PAINTED CMU	WHITE ACOUST SPRAY ON DECK / PNT ALL OTHER EXPOSED	VARIES	POLISHED CONCRETE AS SPECIFIED
529 B	OFFICE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
530	STORAGE	SEALED CONC.	4" RUBBER	PAINTED CMU	ACOUSTICAL TILE	10'-0"	POLISHED CONCRETE AS SPECIFIED
531	MECH./ELECT.	SEALED CONC.	NONE	EXPOSED CONCRETE	EXPOSED STRUCTURE	VARIES	
532	NOT USED						
533	PLATFORM	SEALED CONC.	4" RUBBER	EXPOSED STRUCTURE	EXPOSED STRUCTURE	VARIES	
534	GAS TANK DELIVERY/STORAGE	SEALED CONC.	NONE	PAINTED CMU	EXPOSED STRUCTURE	VARIES	





PLASTIC LAMINATE ALL EXPOSED SURFACES

3 mm PVC BAND (TYP) -

PLASTIC LAMINATE ALL -EXPOSED SURFACES -

1" THICK PARTICLEBOARD CORE SHELF WITH 3mm PVC BAND ON _ FRONT EDGE AND 1mm PVC BAND ON OTHER 3 SIDES

CLEAR POLYCARBINATE LOCKING SHELF SUPPORT

5 mm HOLES @ $1\frac{1}{2}$ " O.C. —

PLASTIC LAMINATE ALL EXPOSED SURFACES

FIELD APPLIED RUBBER BASE _ OVER SOLID WOOD =

401.1 SECTION @ SCALE: 1 1/2" = 1'-0"

FIXED SHELF -

E BUILDING FOR
High School NEW CTE

Bertie

Mindsor / Bertie

> Project No. 22351 December 18, 2024

Drawing no.

BOOKCASE

1" QUARTZ TOP AND BACKSPLASH —— 2X LEDGER BOARDS AS REQUIRED TYPICAL AT UNDERMOUNT SINKS HIGH PRESSURE LAMINATE APRON — ¾4" x 1¾4" LUMBER FRAME AROUND ¾4" PLYWOOD DIAPHRAGM 3/4" PLYWOOD DIAPHRAGM EACH END AND AS SHOWN ON -PLANS (36" MAXIMUM) NOTE: ALL EXPOSED SURFACES TO BE HIGH PRESSURE LAMINATE UNLESS OTHERWISE NOTED REMOVABLE PANEL HIGH PRESSURE LAMINATE CHROME PLATED OVAL HEAD PHILLIPS -SCREWS WITH CHROME FINISH WASHERS 41/2" 111/2"

401.2 HANDICAP VANITY SCALE: 1 1/2" = 1'-0"