



**Ventura County Community College District
Oxnard College
OE Marine Center Project**

Exhibit 2A

VCCCD Bid # 735

TO: All Prospective Bidders

FROM: RRM Design Group
422 E. Main St.
Ventura, CA 93001
Phone: 805-652-2115

DATE: August 24, 2026

This exhibit is hereby made a part of the Bid to the same extent as though it were originally included therein.

Bidders are required to acknowledge receipt of this addendum in the space provided in the bidding documents.

Bidders are hereby notified of the following:

G-002

- A. Revised drawings 2, 3, 4, and 5.

A-102

- A. Showing door 118B at aquarium.

A-105

- A. Revised General Note 6 to paint all acoustic tile ceilings in project areas.

A-403

- A. Removed notes from drawing 9.

A-907

- A. Added new details 14, 23, 24, and 32 for site paving.

Section 08 3100 Access Doors and Panels

- A. Added section to specifications.

Section 10 2113.17 Phenolic Toilet Compartments

- A. Added section to specifications.

Section 31 2316.13 Trenching

- A. Added section to specifications.

Section 31 2316 Excavation

- A. Added section to specifications.

Section 31 2323 Fill

- A. Added section to specifications.

Section 32 0505 Selective Demolition for Exterior Improvements

- A. Added section to specifications.

Section 32 1216 Asphalt Paving

- A. Added section to specifications.

Section 32 1623 Sidewalks

- A. Added section to specifications.

Section 32 1723 Pavement Markings

- A. Added section to specifications.

Section 32 1726 Tactile Warning Surfacing

- B. Added section to specifications.

ATTACHMENTS

- A. Drawing sheets G-002, A-102, A-105, A-403, and A-907.
- B. Specification Sections 08 3100, 10 2113.17, 31 2316.13, 31 2316, 31 2323, 32 0505, 32 1216, 32 1623, 32 1723, and 32 1726.

CAMPUS PLAN LEGEND

- EXISTING BUILDING TO REMAIN
- PROJECT ADJACENT AREA
- PROJECT AREA
- PATH OF TRAVEL

RESPONSIBLE CHARGE

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED ON THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

FIRE SPRINKLERS IN (E) BLDGS

NOTE: NO INCREASE TO (E) BUILDING FOOTPRINT

WORK AREA (PER CEBC 601.2):

7,213 SF +/- = WORK AREA
39,075 SF +/- = (E) BUILDING AREA
7,213 SF / 39,075 SF = 18.5% FLOOR AREA

CLASSIFICATION OF WORK:

PROJECT IS A LEVEL 2 ALTERATION (CEBC 603.1)
LEVEL 2 ALTERATIONS REQUIRE COMPLIANCE WITH CEBC CHAPTERS 7 AND 8.

FIRE SPRINKLERS:

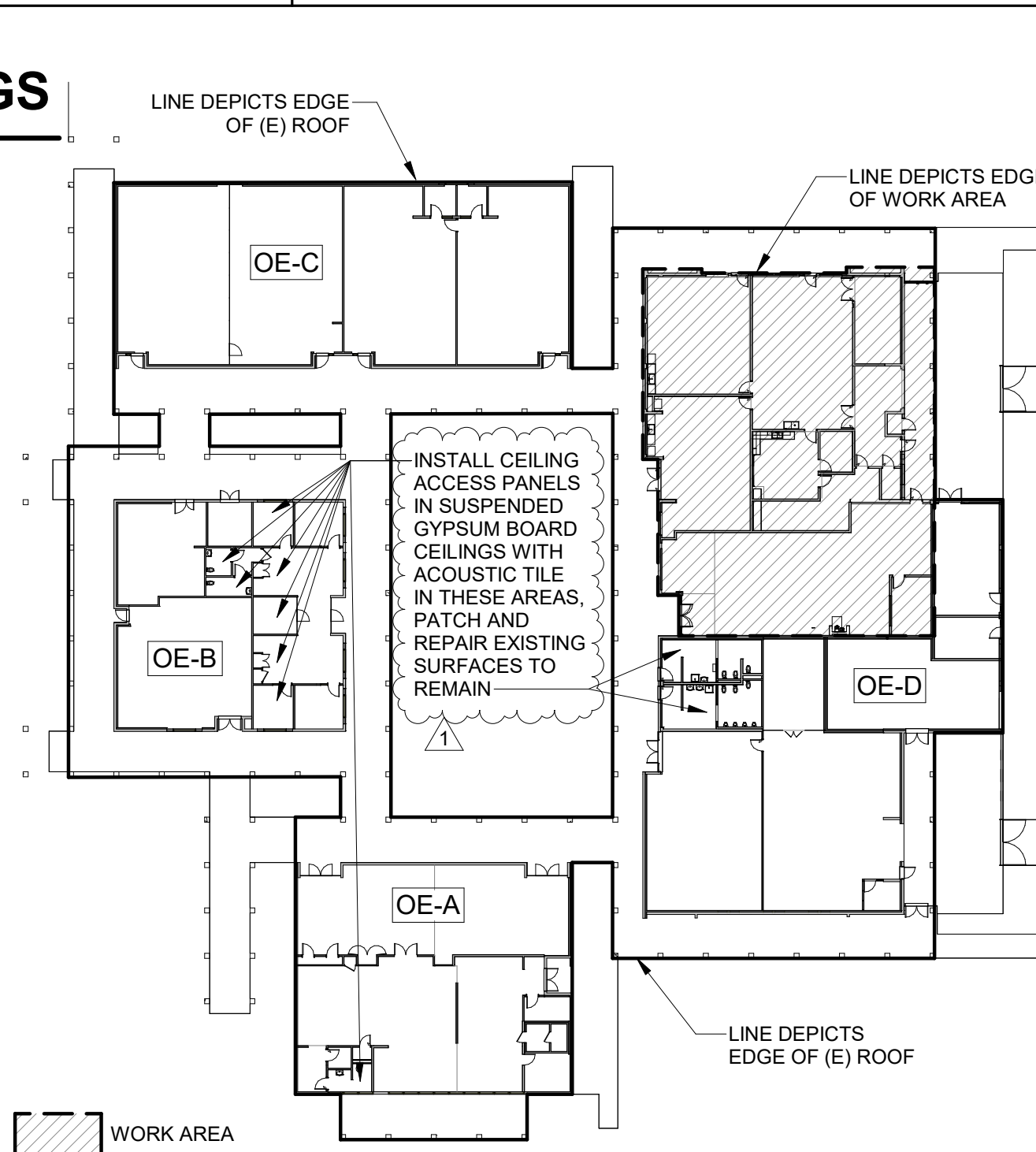
PER CEBC SECTION 703.1, LEVEL 1 ALTERATIONS DO NOT REQUIRE AUTOMATIC FIRE SPRINKLERS.

PER CEBC SECTION 803.2, LEVEL 2 ALTERATIONS SHALL HAVE FIRE SPRINKLERS PROVIDED IN ACCORDANCE WITH SECTION 903 OF CFC.

PER CFC SECTION 903.6, AUTOMATIC SPRINKLERS SYSTEMS SHALL BE PROVIDED IN (E) BUILDINGS WHERE REQUIRED IN CFC CHAPTER 11.

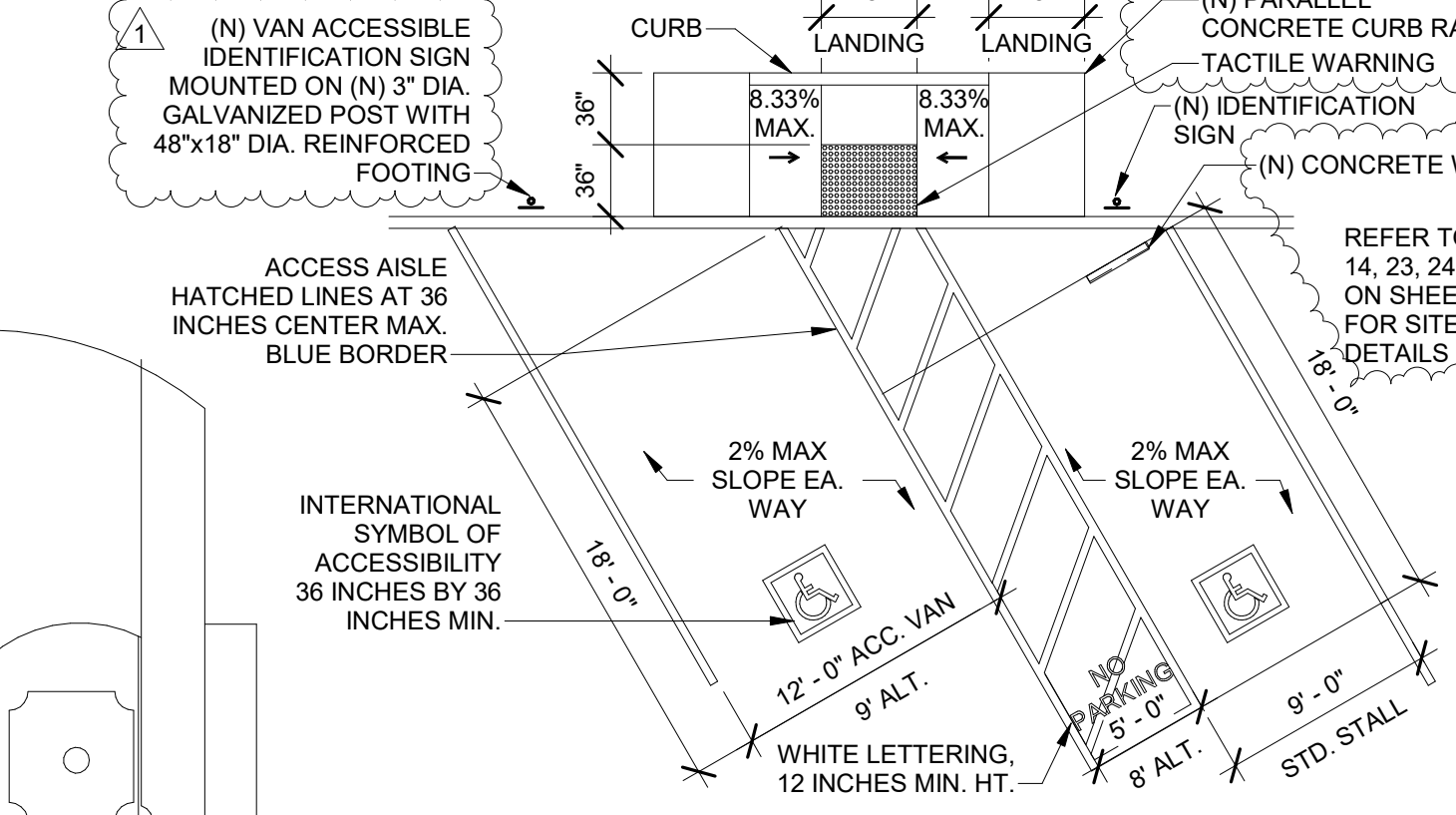
PER CFC SECTION 1103.5, AUTOMATIC FIRE SPRINKLERS NOT REQUIRED IN EXISTING "GROUP B" OCCUPANCIES.

NO FIRE SPRINKLERS REQUIRED FOR PROJECT. NO FIRE SPRINKLERS ARE PROPOSED.



2 CEBC WORK AREA PLAN

SCALE: 1" = 120'-0"

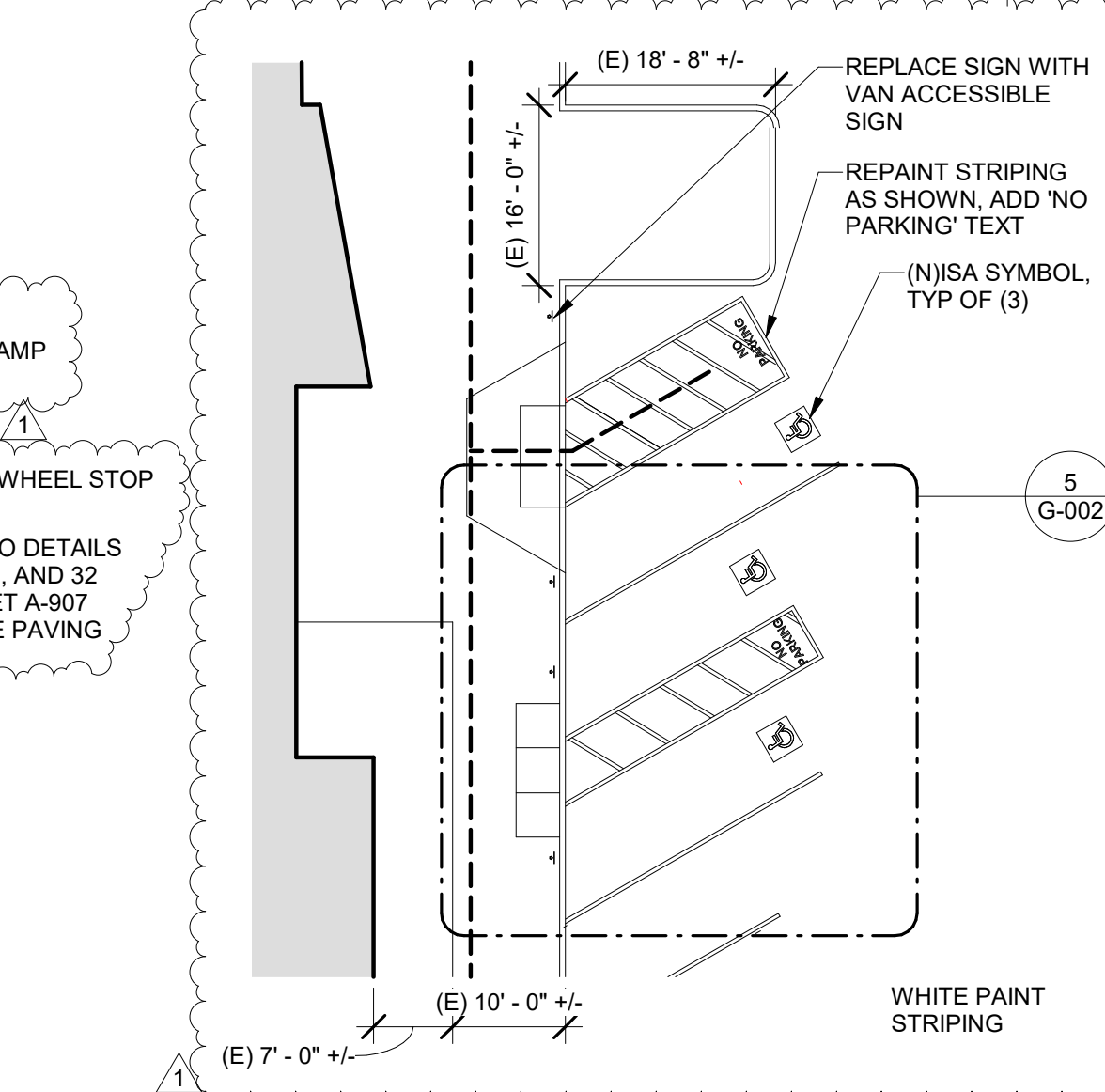


5 ACCESSIBLE PARKING

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

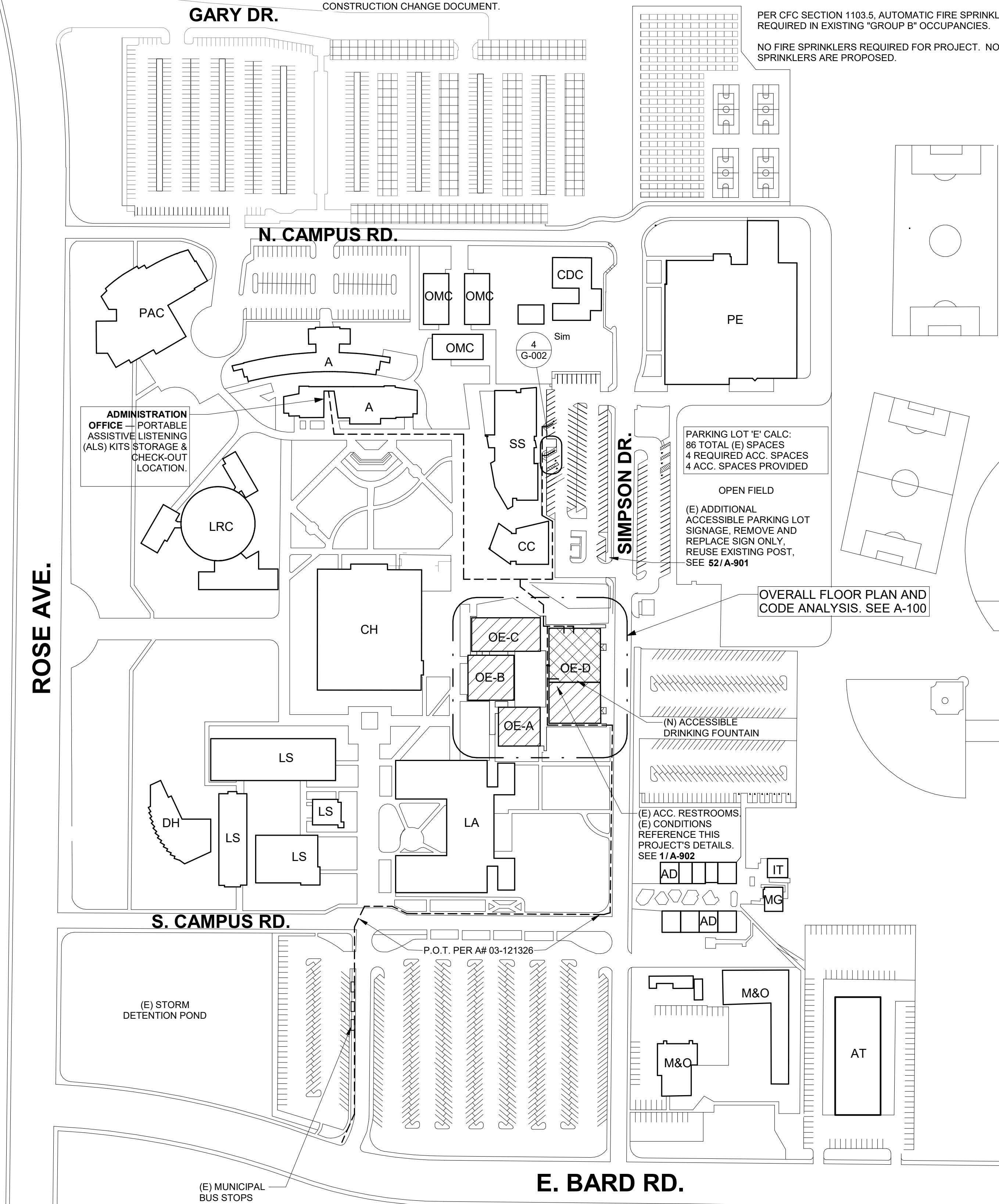
3 EXIST/DEMO ACC. PARKING PLAN

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



4 PROPOSED ACC. PARKING PLAN

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



1 OVERALL CAMPUS PLAN

SCALE: 1" = 120'-0"

CAMPUS BUILDING INFO

BUILDING NAME	DSA APP. NOS. / A#s	USE	OCCUPANCY	CONSTRUCTION TYPE	FIRE SPRINKLERS
A ADMINISTRATION/ CAMPUS POLICE	03-101943, 03-103631, 03-104943	ADMIN. OFFICES	B	VB	NS
AD ART AND DESIGN NORTH/SOUTH HALL	03-121326	OFFICES AND CLASSROOMS	B	VB	NS
AT AUTO TECHNOLOGY	03-39524	CLASSROOMS, LABS, AND STORAGE	B, S-1	II	NS
CC CONDON CAFETERIA	03-43313, 03-109532	KITCHEN AND SERVICE	A-2	VB	NS
CDC CHILD DEVELOPMENT CENTER	03-53954	OFFICES AND CLASSROOMS	B, E	II	NS
CH CONDON HALL	03-40181, 03-41511, 03-57603, 03-60132, 03-108615, 03-124050	LIBRARY, OFFICES, AND CLASSROOMS	A-3, B	II	SM
DH DENTAL HEALTH	03-114597	OFFICES, LABS, AND CLASSROOMS	A-3, B	VB	NS
IT INFORMATION AND TECHNOLOGY	03-123842	IT SERVICES	B	VB	NS
LA LIBERAL ARTS	03-40181, 03-60132, 03-101943	OFFICES AND CLASSROOMS	A-3, B	VB	NS
LRC LIBRARY/LEARNING RESOURCE CENTER	03-110703	LIBRARY, OFFICES, AND CLASSROOMS	A-3, B	VB	NS
LS LETTERS AND SCIENCES	03-60142	OFFICES, LABS, AND CLASSROOMS	B	II	NS
MG MCNISH GALLERY	NOT OCCUPIED BY STUDENTS	ART GALLERY	A-3	VB	NS
M&O MAINTENANCE AND OPERATIONS	NOT OCCUPIED BY STUDENTS	NON-SCHOOL BUILDING	B, S-1	II	NS
OE OCCUPATIONAL EDUCATION	03-45784 (CERTIFIED 01/18/1994), 03-109532 (#1 CERTIFICATION 05/20/2011)	BOOKSTORE, OFFICES, CLASSROOMS, AND LABS	B	II	NS
OMC OXNARD MIDDLE COLLEGE HIGH SCHOOL	03-101774	OFFICES AND CLASSROOMS	B, E	VB	NS
PE PHYSICAL EDUCATION/ GYMNASIUM	03-41674, 03-55312, 03-107789	GYMNASIUM, LOCKERS, CLASSROOMS, AND OFFICES	A-3	VB	NS
PAC PERFORMING ARTS CENTER	03-111351	PERFORMANCE ARTS/ DIGITAL MEDIA	A-1	VB	NS
SS STUDENT SERVICES	03-40469, 03-109532	OFFICES	B	V-B	NS

NOTE: PROJECT #03-123842 IS IN THE CLOSEOUT PROCESS.
S = SPRINKLERED, NS = NOT SPRINKLERED



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OE BUILDING ALTERATIONS

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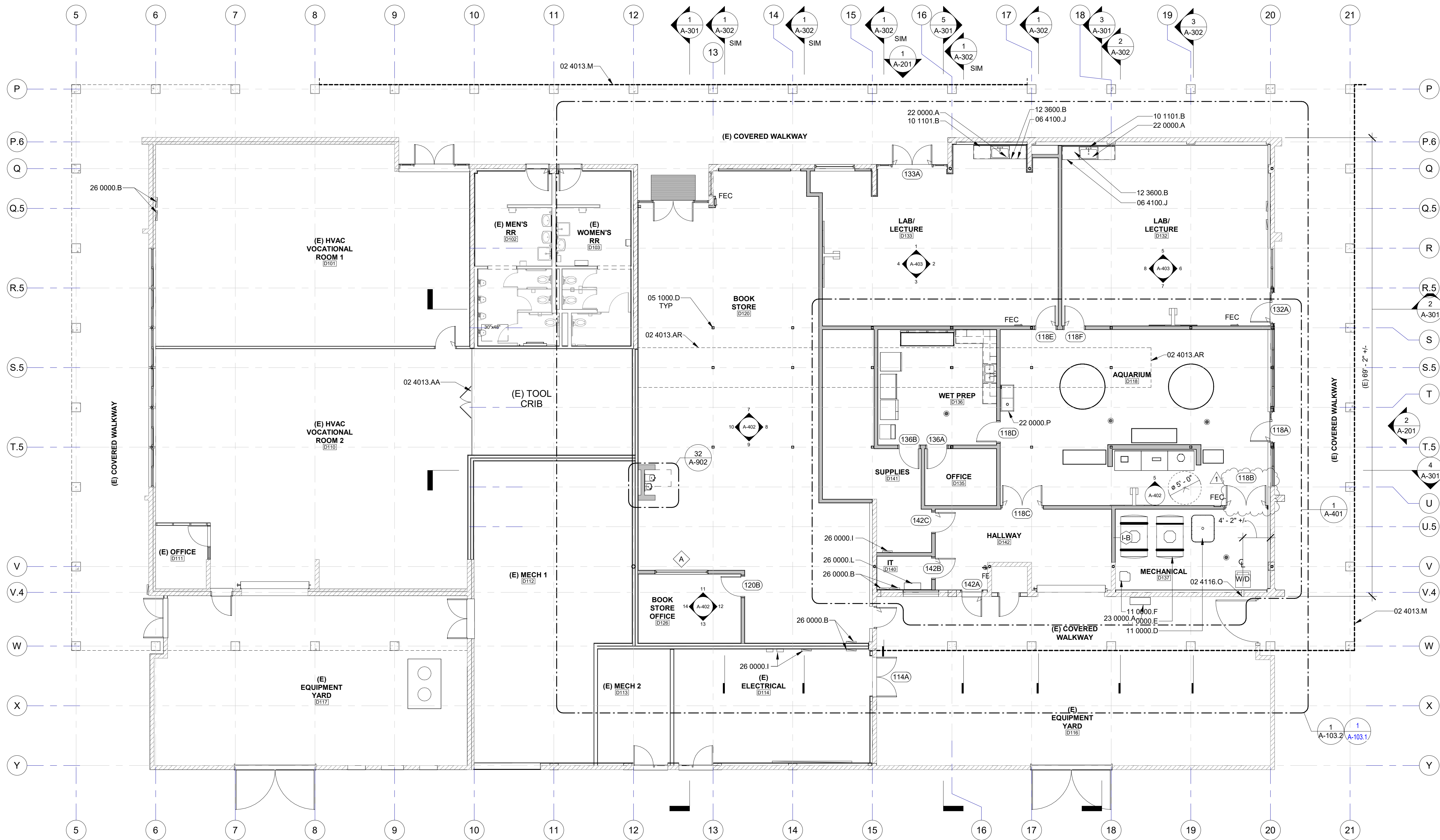
OVERALL CAMPUS PLAN

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1	ADDENDUM #2	08/24/26
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PROJECT MANAGER	
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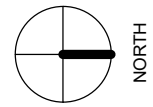
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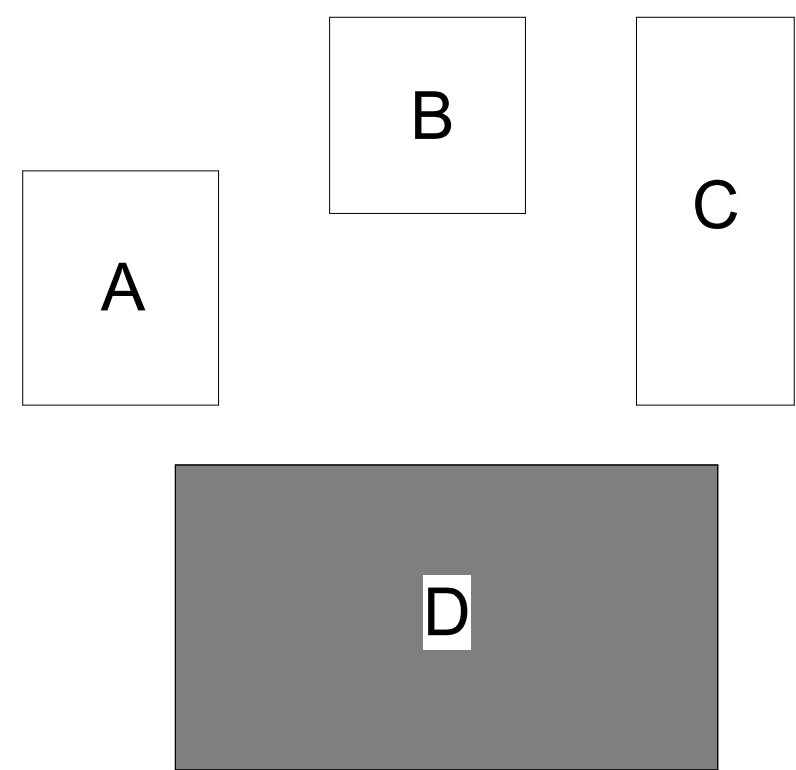


1 BLDG D - PROPOSED FLOOR PLAN

A-100 A-102 SCALE: 1/8" = 1'-0"



KEY PLAN



KEY PLAN - OCCUPATIONAL EDUCATION BUILDING

LEGEND

	EXISTING CMU WALL, TO REMAIN
	EXISTING FRAMED WALL, TO REMAIN
	PROPOSED WALL, SEE SHEET A-103.2
	EXISTING FURRED WALL OVER EXISTING CMU WALL, TO REMAIN
	EXISTING DOOR, TO REMAIN
	DOOR AND DOOR TAG, SEE DOOR SCHEDULE
	WINDOW AND WINDOW TAG, SEE WINDOW SCHEDULE
	ACCESSIBLE FIRE EXTINGUISHER CABINET. SEE DETAIL 41/A-901
	ACCESSIBLE HIGH-LOW DRINKING FOUNTAIN ON FURRED WALL 32/A-902

KEYNOTES

02 4013.AA	EXISTING CHAINLINK GATE AND FENCE TO REMAIN
02 4013.AR	LINE OF EXISTING SKYLIGHT ABOVE, TYP.
02 4013.M	LINE OF EXISTING COVERED WALKWAY ABOVE, TYP.
02 4116.O	CORE 5" DIAMETER HOLE AT IN MASONRY WALL FOR DRYER VENT, MIN. 8" EDGE DISTANCE FROM TOP & BOTTOM OF CMU WALL. (E) REINFORCING BARS SHALL NOT BE CUT OR DAMAGED. FIELD VERIFY HEIGHT ABOVE FINISHED FLOOR. SEE 24/A-903.
05 1000.D	HSS 4x4x1/4 A500 GR. B STEEL COLUMN, TYP., ALIGN WITH BOTTOM CHORD AND STRUTS OF TRUSS ABV., PAINT
06 4100.J	BASE CABINETS W/ DRAWERS, DOORS & ADJUSTABLE SHELVING
10 1101.B	PEGBOARD BY OWNER, CONTRACTOR TO PROVIDE BLOCKING PER DETAIL 52/A-906 ACROSS THE WIDTH OF THE COUNTERTOP AT 48" AND 72" A.F.F. VERIFY HEIGHTS IN FIELD.
11 0000.D	ULINE IBC TANK WITH PLASTIC PALLET 275 GALLON
11 0000.E	ROMOTECH 550 GALLON PLASTIC STORAGE TANK 82124269, TYP. OF (2)
11 0000.F	MSE PRO DEIONIZED (DI) WATER FILTRATION SYSTEM
12 3600.B	SOLID SURFACE COUNTERTOP
22 0000.A	SINK AND EYEWASH STATION. REFER TO PLUMBING
22 0000.P	SINK, SEE P-801
23 0000.A	MECHANICAL EQUIPMENT. REFER TO MECHANICAL
26 0000.B	EXISTING ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS
26 0000.I	ELECTRICAL EQUIPMENT. SEE ELECTRICAL DRAWINGS
26 0000.L	IT CABINET. SEE ELECTRICAL DRAWINGS

FLOOR PLAN GENERAL NOTES

- REFER TO GENERAL NOTES ON SHEETS G-001 AND G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE ALARM PLANS FOR FURTHER INFORMATION.
- DIMENSIONS ARE TO FACE OF MASONRY OR CENTERLINE OF STUD UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES.
- PROVIDE FIREBLOCKING FOR WALL CAVITIES THAT EXCEED 2022 CBC HEIGHT LIMITATIONS.
- DOOR AND WINDOW DIMENSIONS ARE CENTERED AT OPENINGS UNO.
- WHERE DOOR IS LOCATED WITHOUT DIMENSION AT THE CORNER OF A ROOM IT SHALL BE 4" FROM FACE OF FRAMING OF ADJACENT WALL TO ROUGH DOOR OPENING.
- SEE CODE ANALYSIS FOR LOCATIONS OF FIRE PARTITIONS AND FIRE BARRIERS.
- WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE ASSEMBLIES SHALL BE MAINTAINED.
- AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING.
- ADD ACOUSTIC BATT INSULATION TO THE FULL DEPTH AND HEIGHT OF ALL WALLS.
- APPLY ACOUSTIC SEALANT AT THE PERIMETER OF GYPSUM BOARD WALL FINISHES AND IN THE ANNULAR SPACES OF ALL UTILITY PENETRATIONS AND ELECTRICAL BOXES.
- SEE SHEETS A-903, A-904, A-905, A-906, AND A-907 FOR GENERAL CONCRETE, MASONRY, AND STEEL FRAMING DETAILS.
- PREDRILL PILOT HOLES AND USE TAPCON SCREWS WHERE FURRING ATTACHES TO CMU WALLS.



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**BLDG D - PROPOSED FLOOR
PLAN**

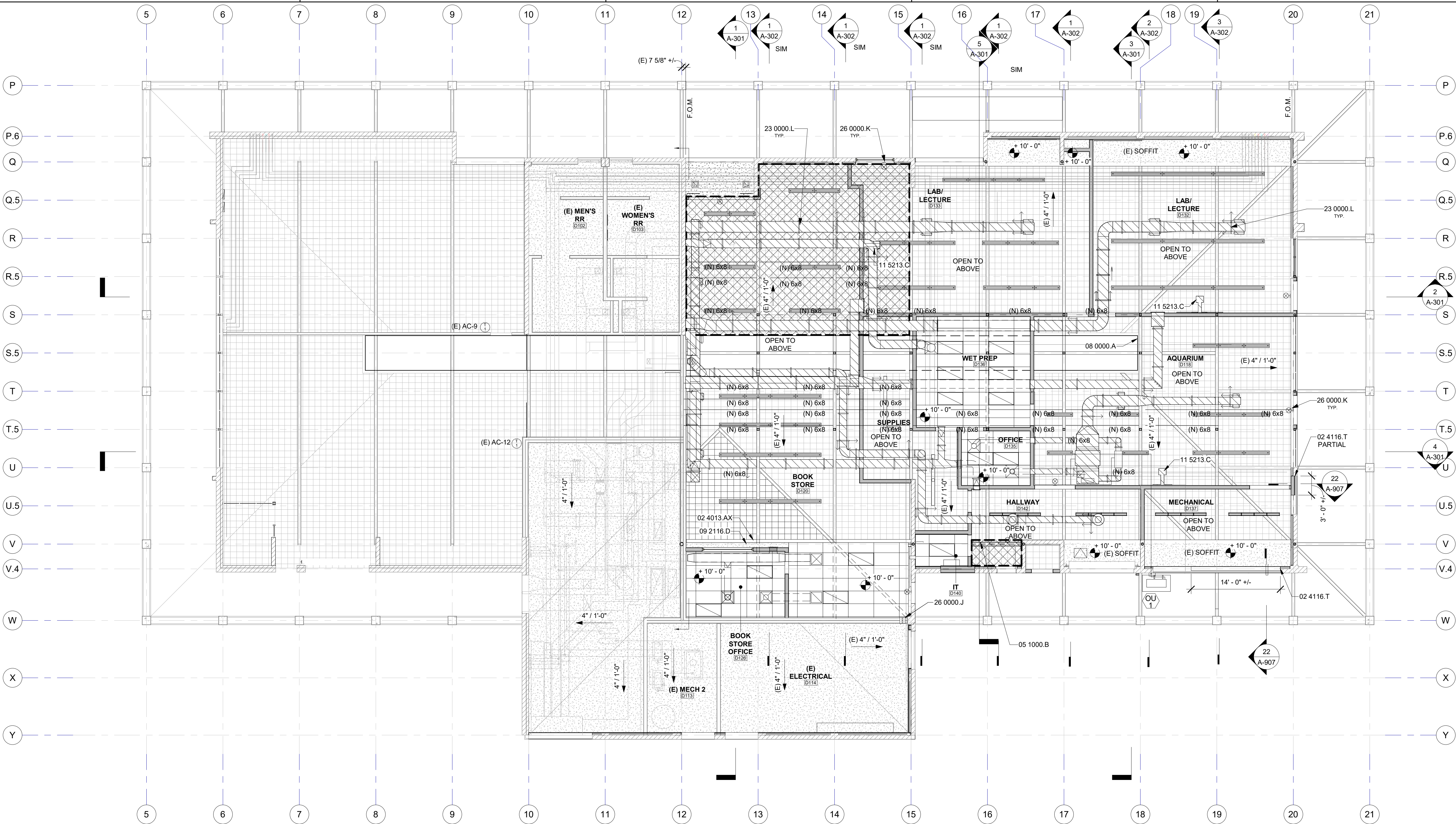
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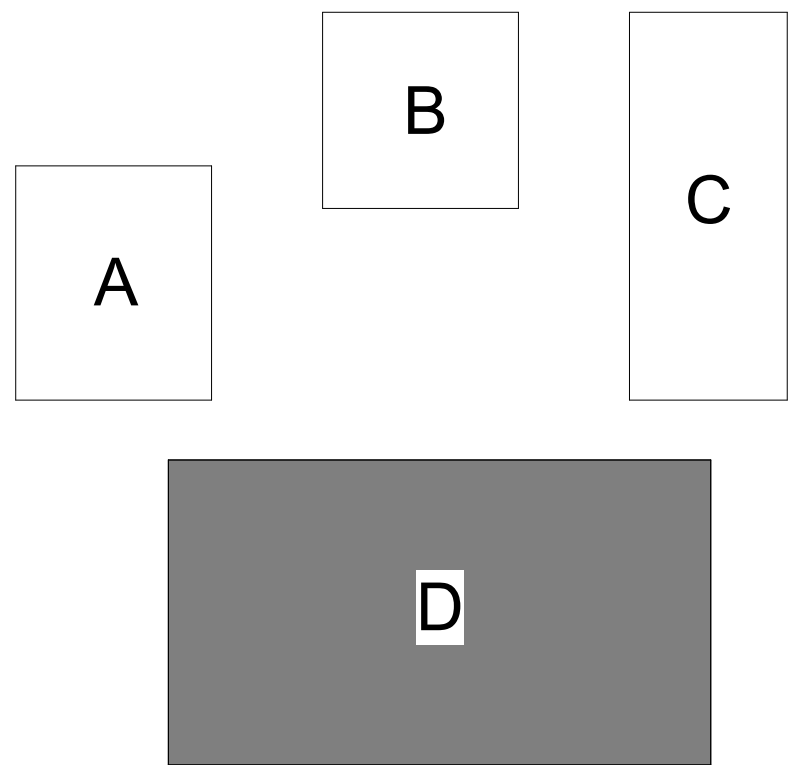
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1 PROPOSED REFLECTED CEILING PLAN

A-100 A-105 SCALE: 1/8" = 1'-0"

KEY PLAN



KEY PLAN - OCCUPATIONAL EDUCATION BUILDING

LEGEND

	XX'-X"	CEILING HEIGHT (SEE PLAN FOR ACTUAL HEIGHTS)		EXIT SIGN. SEE ELECTRICAL DRAWINGS
		MECHANICAL DUCTWORK, REFER TO MECHANICAL DRAWINGS		
		SUSPENDED ACOUSTICAL TILE CEILING		
		EXISTING 12"x12" ADHERED ACOUSTICAL TILE, TO REMAIN, U.N.O.		
		NEW PAINTED 12"x12" ADHERED ACOUSTICAL TILE OVER 5/8" TYPE X GYP BOARD, MATCH EXISTING		
		LIGHT FIXTURE, REFER TO ELECTRICAL PLANS		
		MECHANICAL EQUIPMENT, REFER TO MECHANICAL PLANS		
		(E) GYPSUM BOARD CEILING, TO REMAIN		

KEYNOTES

02 4013.AX	EXISTING SOFFIT WALL TO REMAIN. PAINT FINISH
02 4116.T	INFILL EXISTING LOUVER.
05 1000.B	EXISTING STEEL BEAM, TO REMAIN. PAINT TO MATCH (E) CEILING WHERE NEWLY EXPOSED
08 0000.A	LINE OF EXISTING SKYLIGHT ABOVE, REINSTALL ROLLER SHADES IN PLACE AND PROVIDE NEW FABRIC.
09 2116.D	GYPSUM BOARD SOFFIT & FRAMING
11 5213.C	SHORT-THROW PROJECTOR, OFCI. CONTRACTOR TO PROVIDE BLOCKING, OPERATING WEIGHT = 13 POUNDS. SEE DETAIL 55/ A-904
23 0000.L	SEISMIC/ SWAY BRACING FOR HVAC DUCTWORK AND EQUIPMENT. SEE MECHANICAL DRAWINGS
26 0000.J	(2) 4" DIA. RATED PENETRATION FOR ELECTRICAL CONDUIT AND CABLING, SEE W-L-3371/ A-905
26 0000.K	EXIT SIGN. SEE ELECTRICAL DRAWINGS

RCP GENERAL NOTES

- REFER TO GENERAL NOTES SHEETS G-001 AND G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION.
- REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION.
- REFER TO DETAILS FOR WALL AND CEILING ASSEMBLIES.
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN. U.N.O.
- EXISTING ACOUSTIC TILE FINISH AT UNDERSIDE OF ROOF TO REMAIN THROUGHOUT EXCEPT AT POINTS WHERE NEW BLOCKING IS REQUIRED TO ACCOMMODATE THE WORK. PATCH/REPAIR/PAINT ACOUSTIC TILE THROUGHOUT ALL PROJECT AREAS. PRESERVE AS MUCH ACOUSTIC TILE FINISH, AS POSSIBLE.
- COMPLETELY REMOVE EXISTING DUCT SUPPORTS, EXISTING LIGHTING SUPPORTS, AND ALL STRUTS, CABLES, AND RODS SUPPORTING UTILITIES TO BE REMOVED.



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**BLDG D - PROPOSED CEILING
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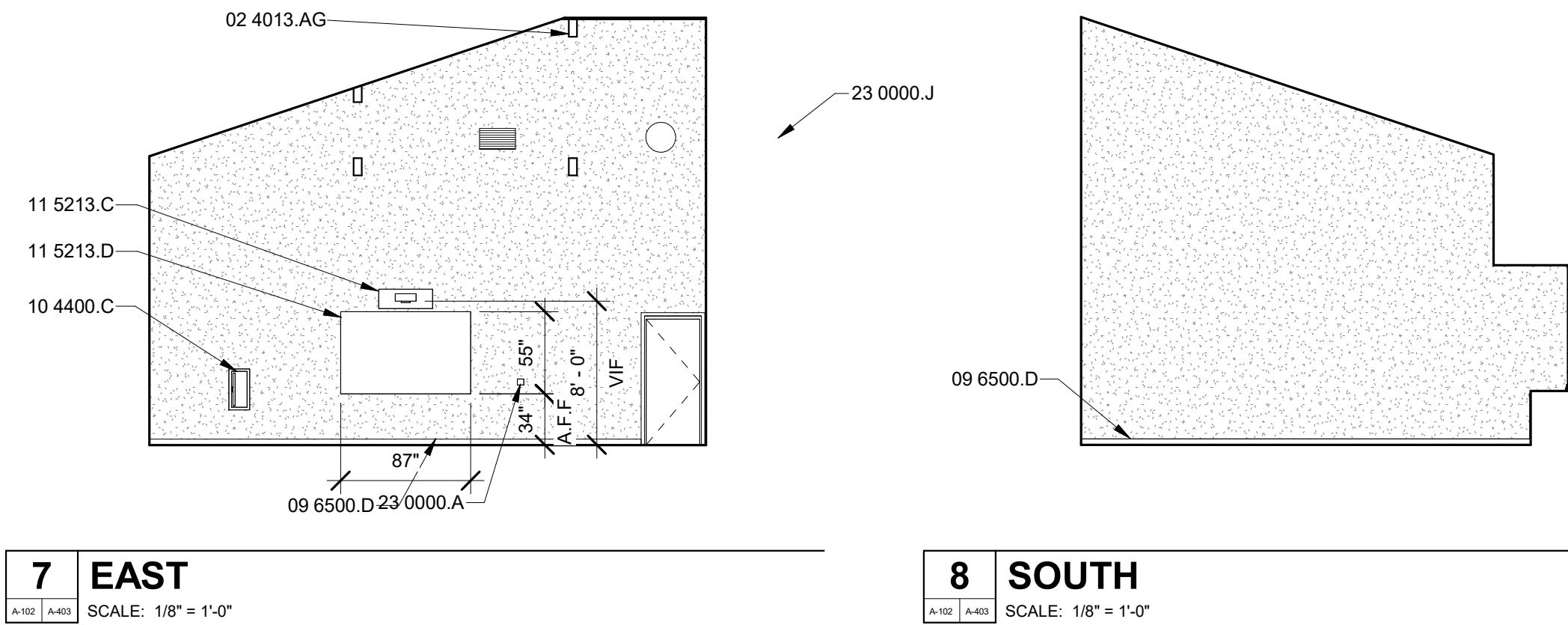
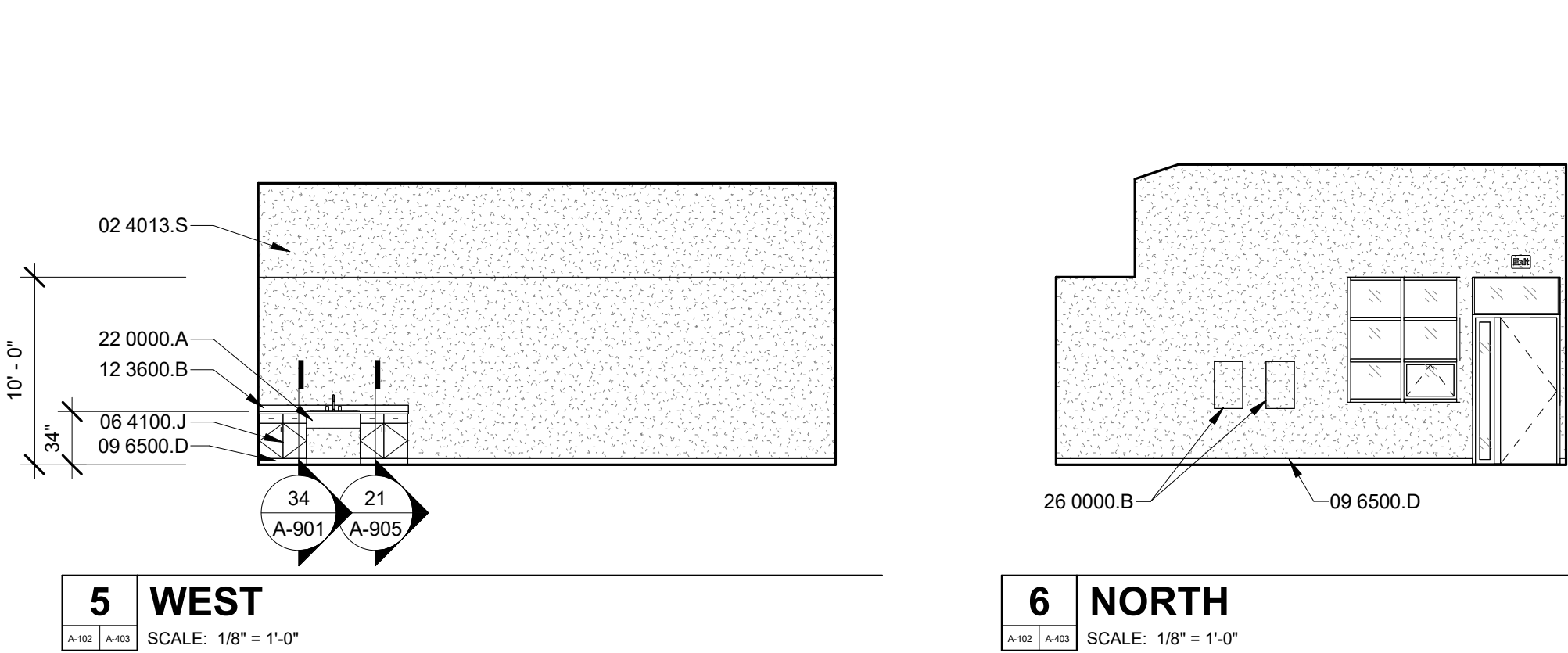
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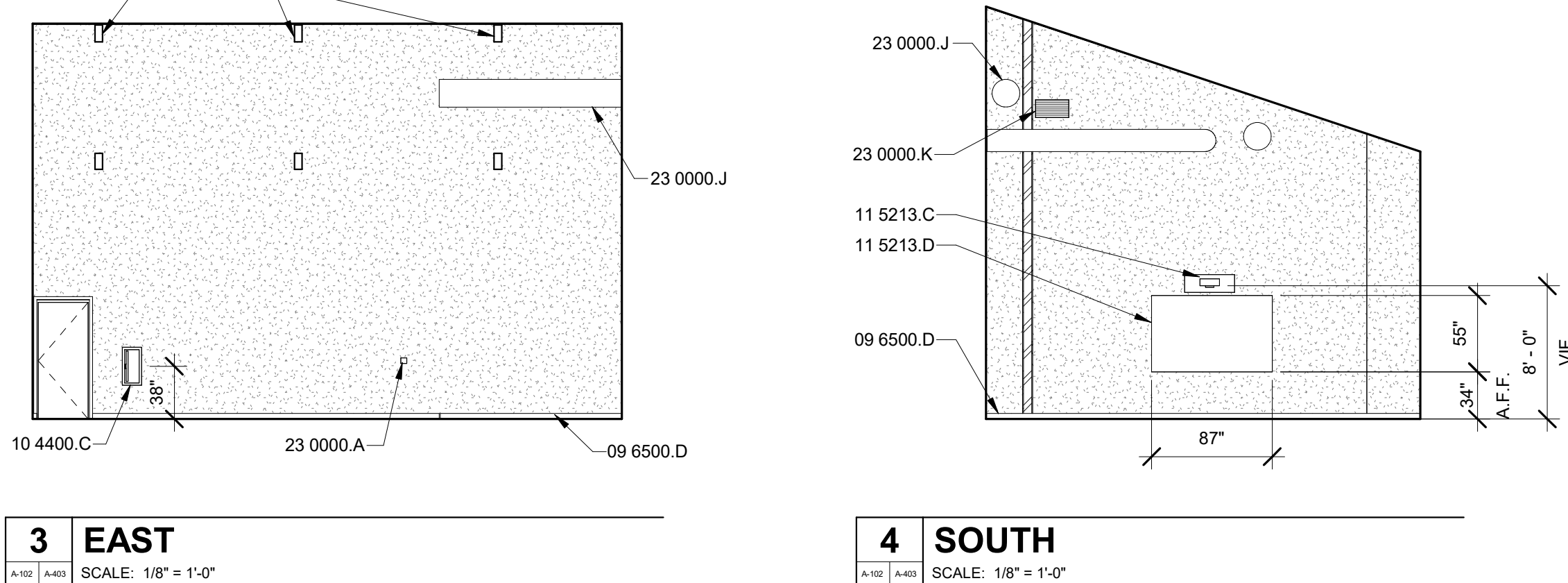
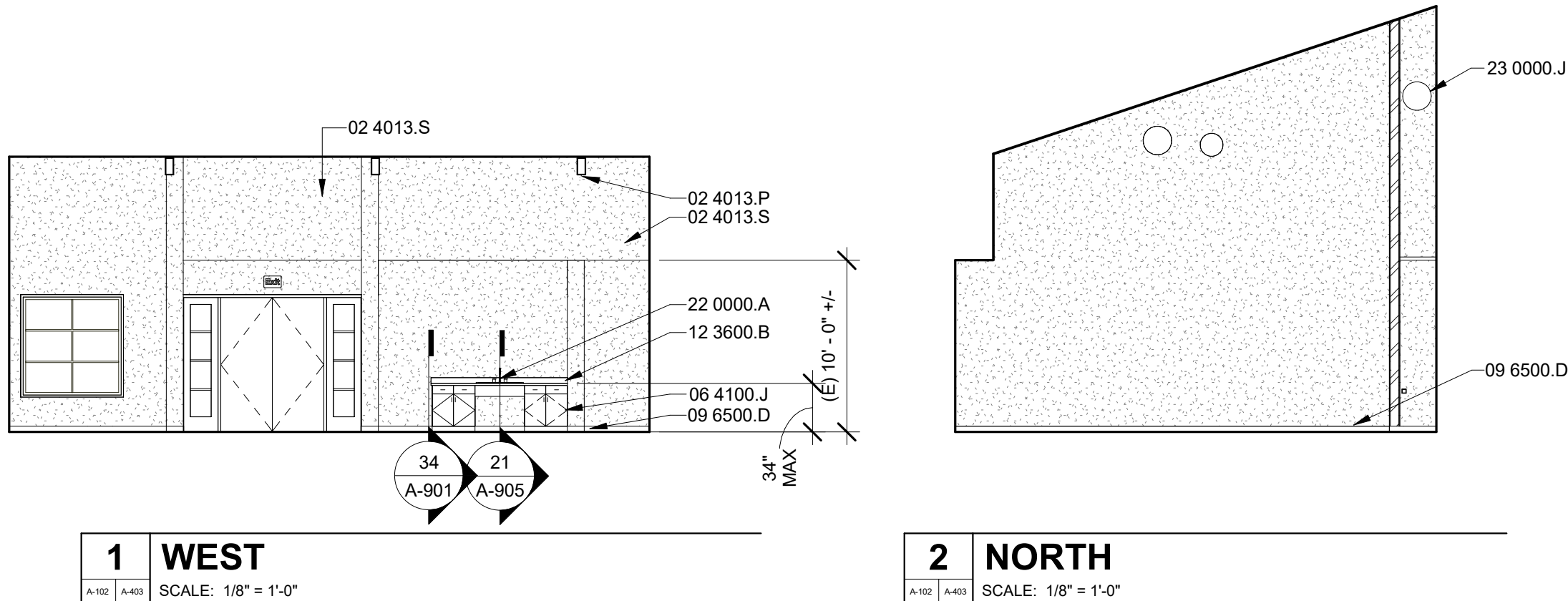
INT. ELEV. GENERAL NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-001 AND G-101 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION ON ELECTRICAL EQUIPMENT.
3. PROVIDE BLOCKING FOR ALL WALLS WHERE WALL HUNG EQUIPMENT AND FIXTURES OCCUR.
4. ALL DIMENSIONS SHOWN IN A ROOM TO BE CONSIDERED TYPICAL FOR EACH ELEVATION OF THE ROOM, UNLESS NOTED OTHERWISE.
5. VERIFY MOUNTING HEIGHTS OF ACCESSORIES AND PLUMBING FIXTURES MEET ACCESSIBILITY REQUIREMENTS WHERE APPLICABLE.
6. ALL WALL AND CEILING FINISHES SHALL COMPLY WITH **2022 CBC TABLE 803.13** FOR MAXIMUM FLAME SPREAD AND SMOKE DENSITY.
7. INSTALL ABUSE-RESISTANT GYPSUM BOARD IN AQUARIUM, MECHANICAL, AND WET PREP ROOMS.

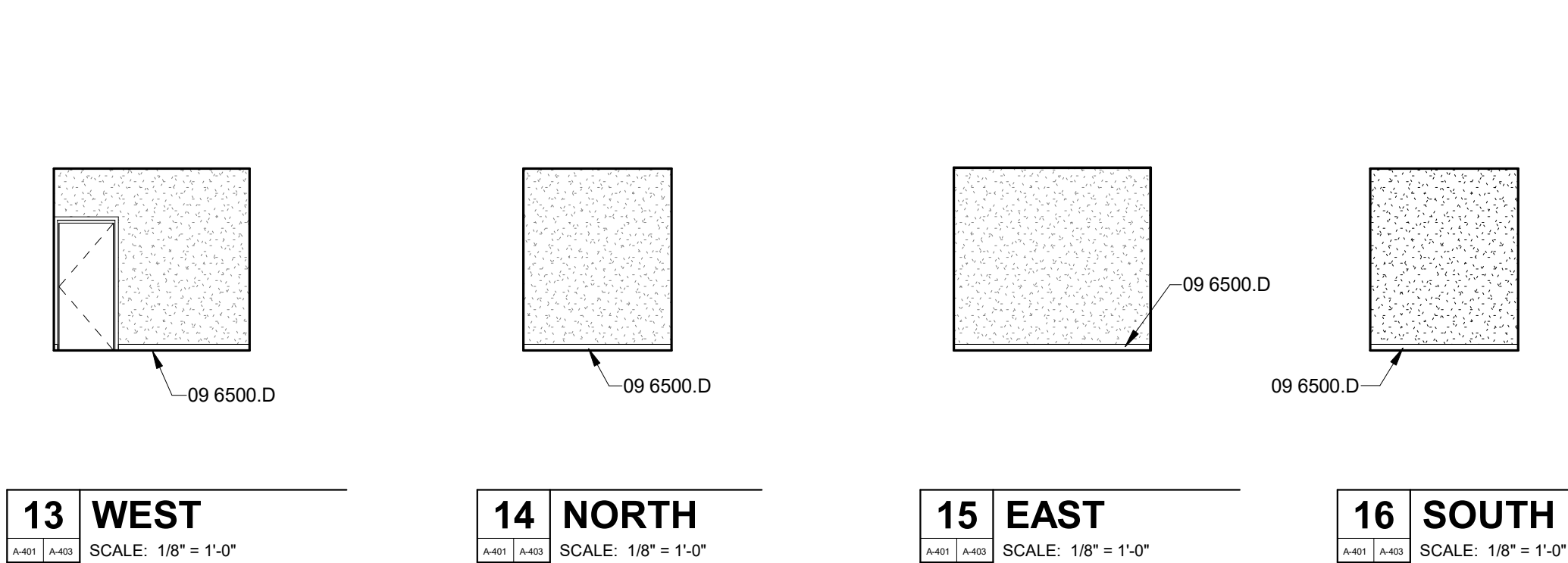
KEYNOTES

- 02 4013.AG EXISTING ROOF TRUSS, TO REMAIN, TYP UNO
- 02 4013.AI EXISTING CMU WALL, TO REMAIN
- 02 4013.P EXISTING ROOF FRAMING, TO REMAIN, TYP.
- 02 4013.S EXISTING SOFFIT, TO REMAIN.
- 06 4100.J BASE CABINETS W/ DRAWERS, DOORS & ADJUSTABLE SHELVING
- 09 6500.D 4" RUBBER WALL BASE, TYP. REFER TO FINISH SCHEDULE FOR LOCATION
- 10 4400.C SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER, SEE DETAIL 41/A-901
- 11 5213.C SHORT-THROW PROJECTOR, OFCI, CONTRACTOR TO PROVIDE BLOCKING, OPERATING WEIGHT = 13 POUNDS. SEE DETAIL 55/ A-904
- 11 5213.D WHITE BOARD PROJECTION SCREEN, OFCI, OPERATING WEIGHT = 95 POUNDS
- 12 3600.B SOLID SURFACE COUNTERTOP
- 22 0000.A SINK AND EYEWASH STATION. REFER TO PLUMBING
- 23 0000.A MECHANICAL EQUIPMENT. REFER TO MECHANICAL
- 23 0000.J MECHANICAL DUCT, SEE MECHANICAL
- 23 0000.K VENT, SEE MECHANICAL DRAWINGS
- 26 0000.B EXISTING ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS

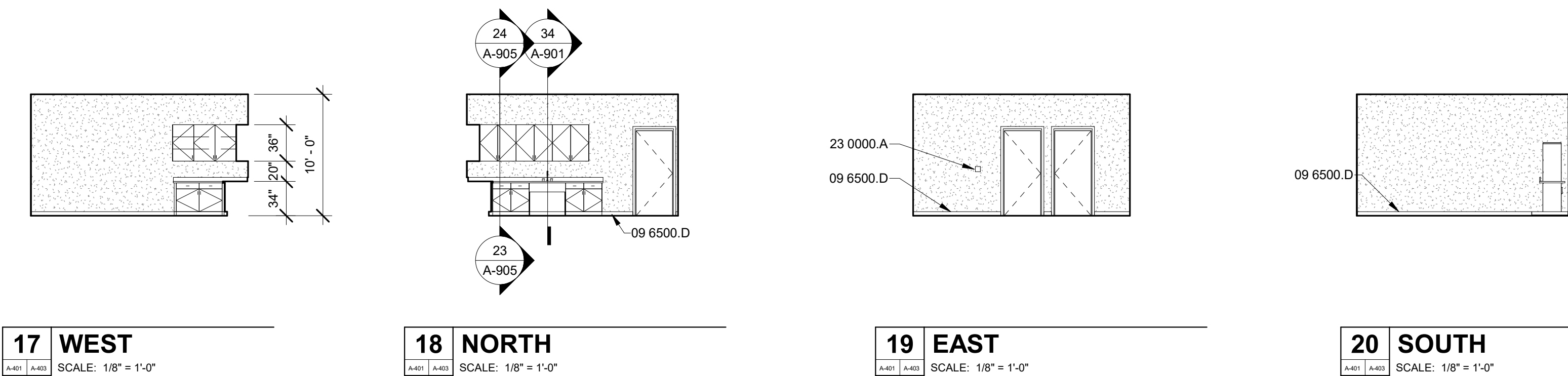
D133 LAB/LECTURE



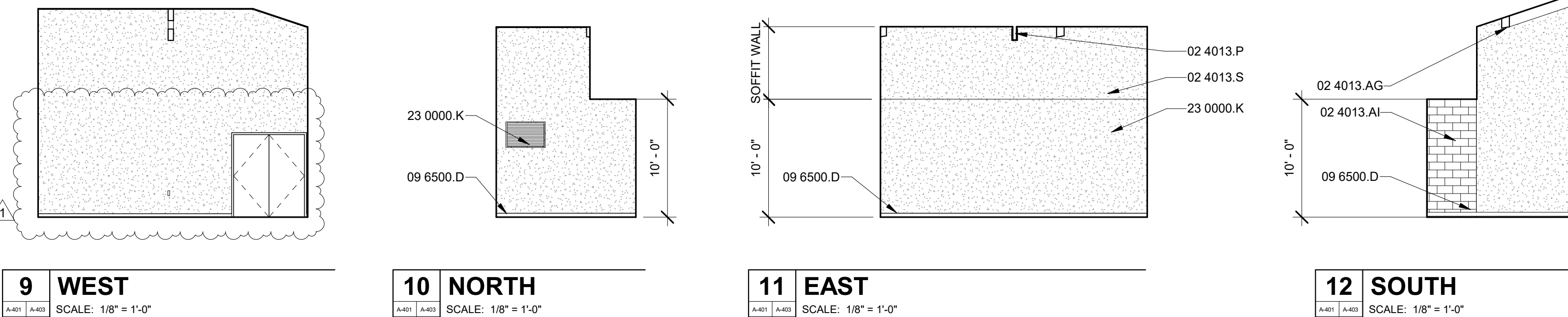
D135 OFFICE



D136 WET PREP



D137 MECHANICAL



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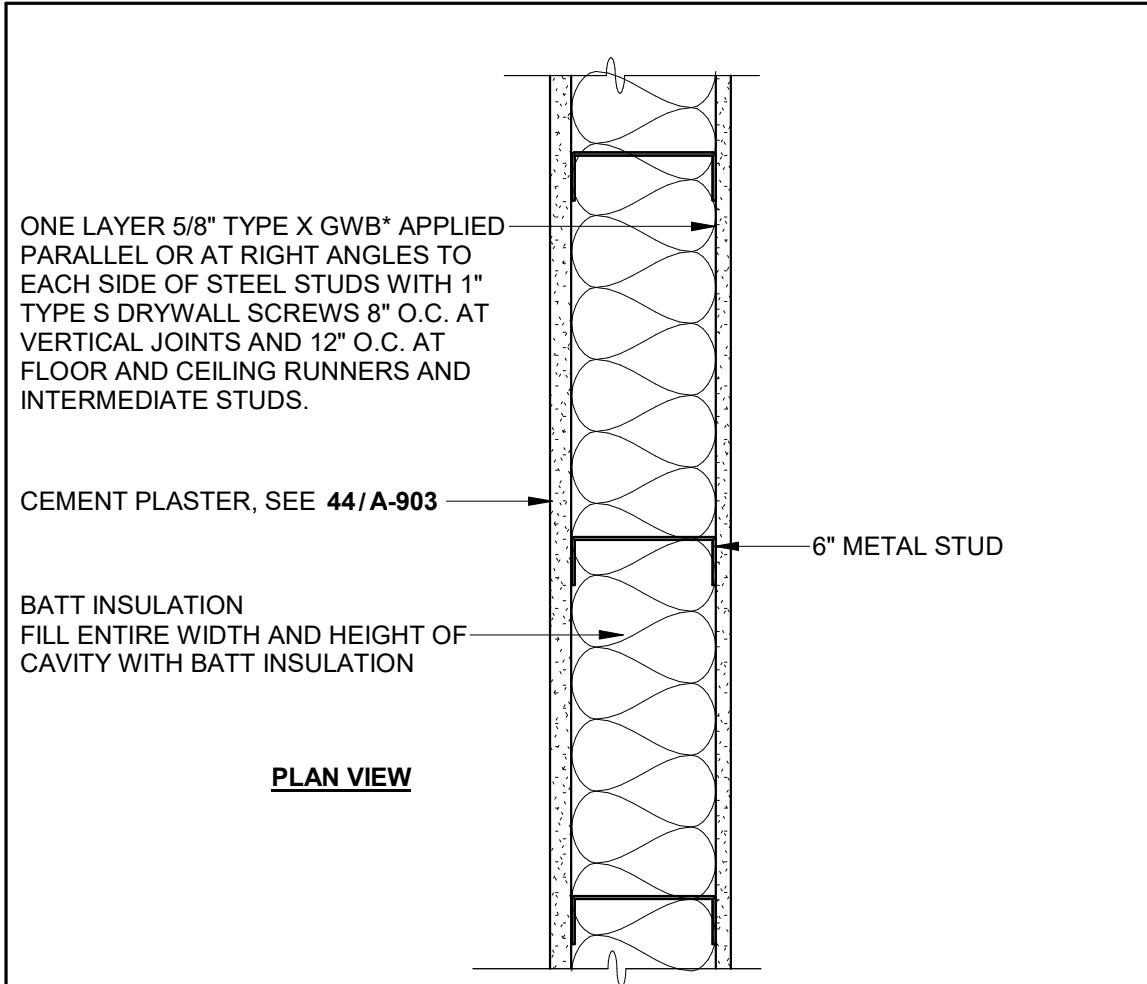


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OE BUILDING ALTERATIONS
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INTERIOR ELEVATIONS

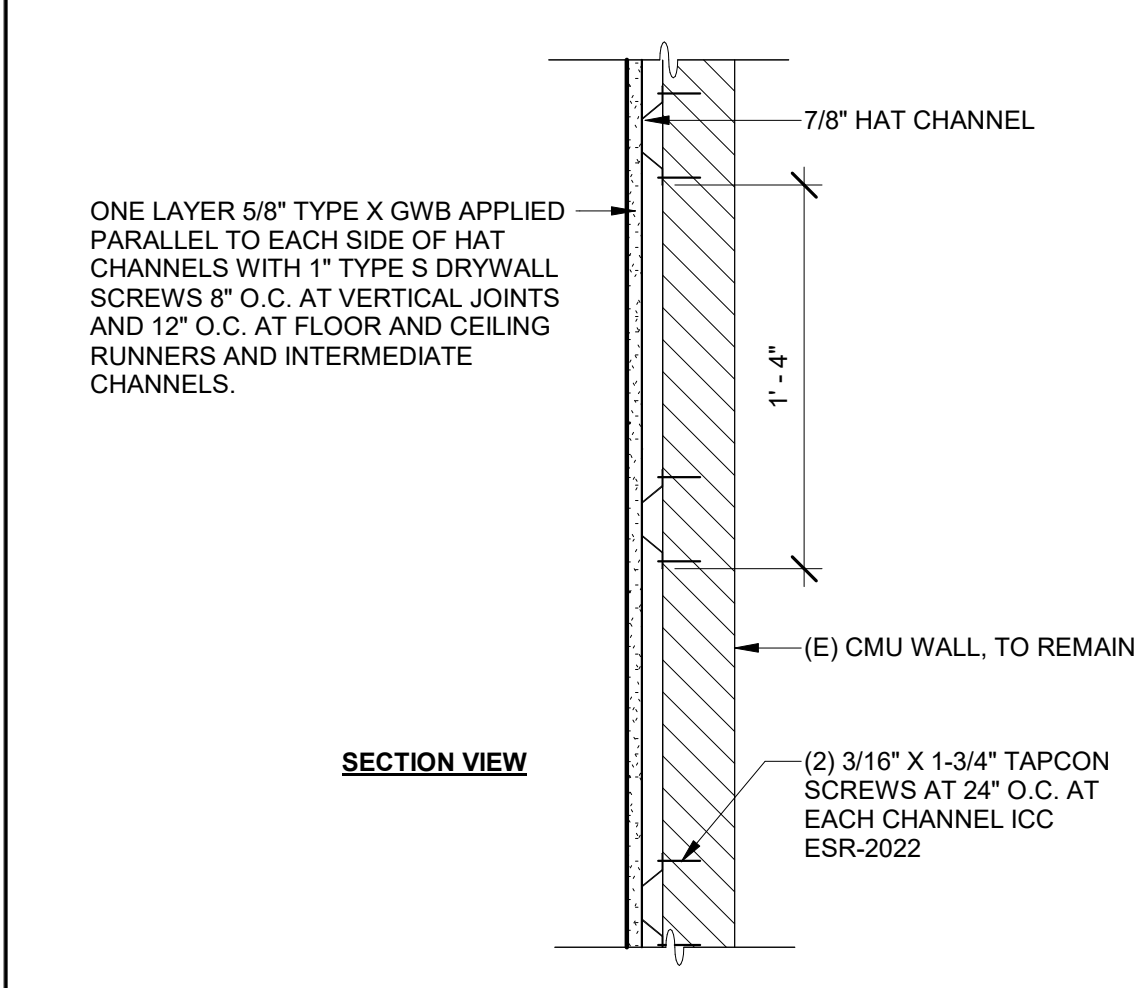
NO.	REVISION	DATE
1	ADDENDUM #2	08/24/26
2		
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5		
PROJECT MANAGER		
MH		
DRAWN BY		CHECKED BY
JM/BB/MH/GK/ED		MH
DATE		12/31/2025
PROJECT NUMBER		3244-01-ED23
SHEET		A-403

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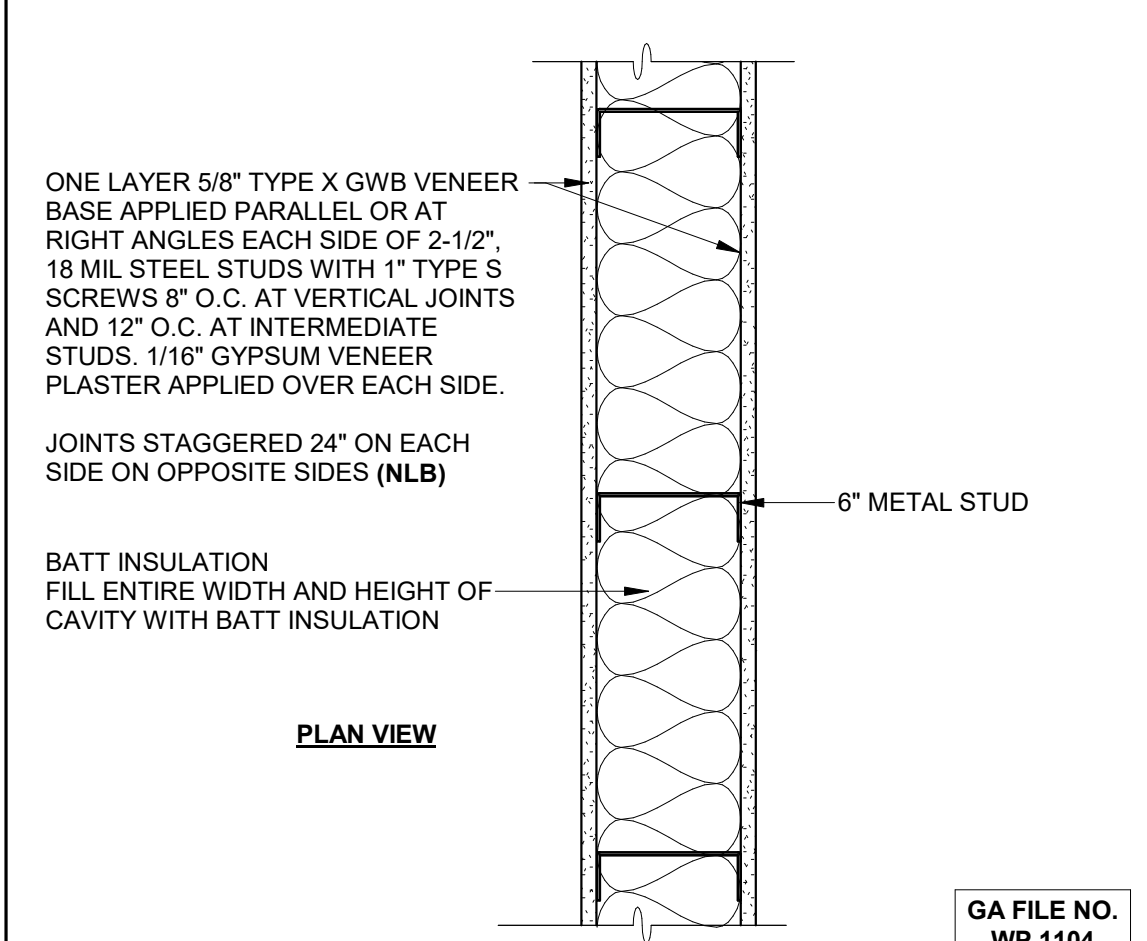
E-A EXT. NON-RATED METAL STUD WALL

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



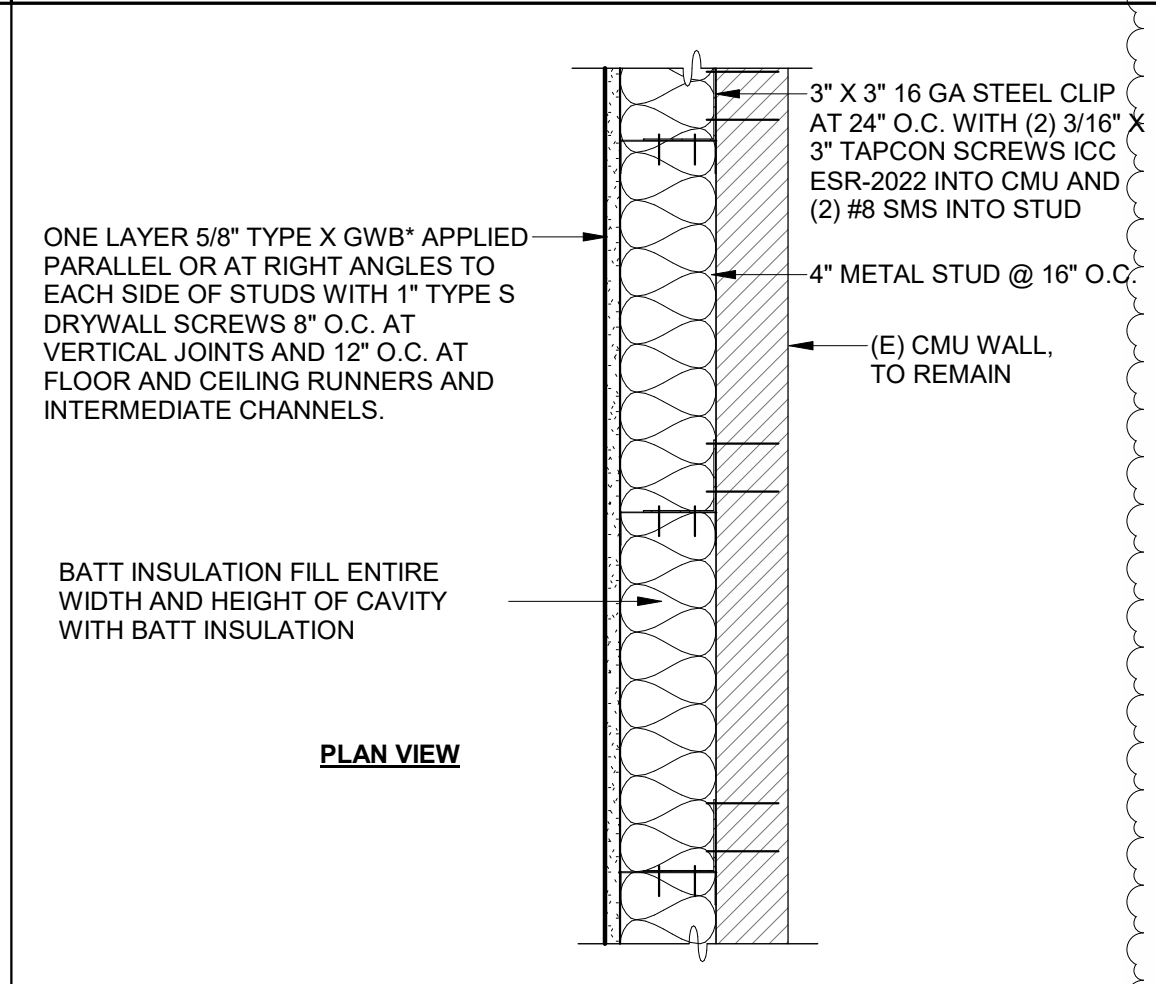
F-B INT. NON-RATED FURRING WALL

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



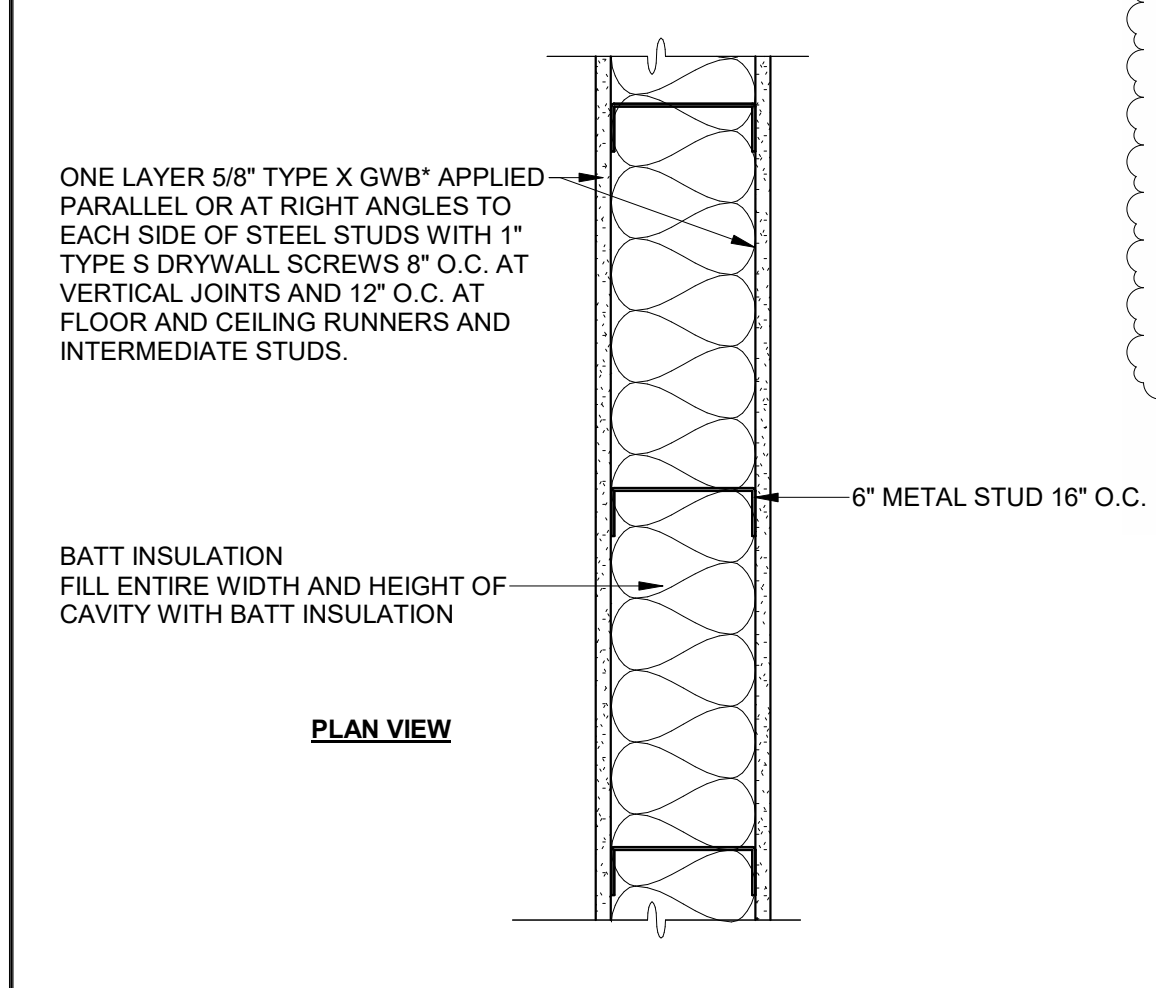
I-B INT. 1-HR FIRE RATED MTL STUD WALL

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



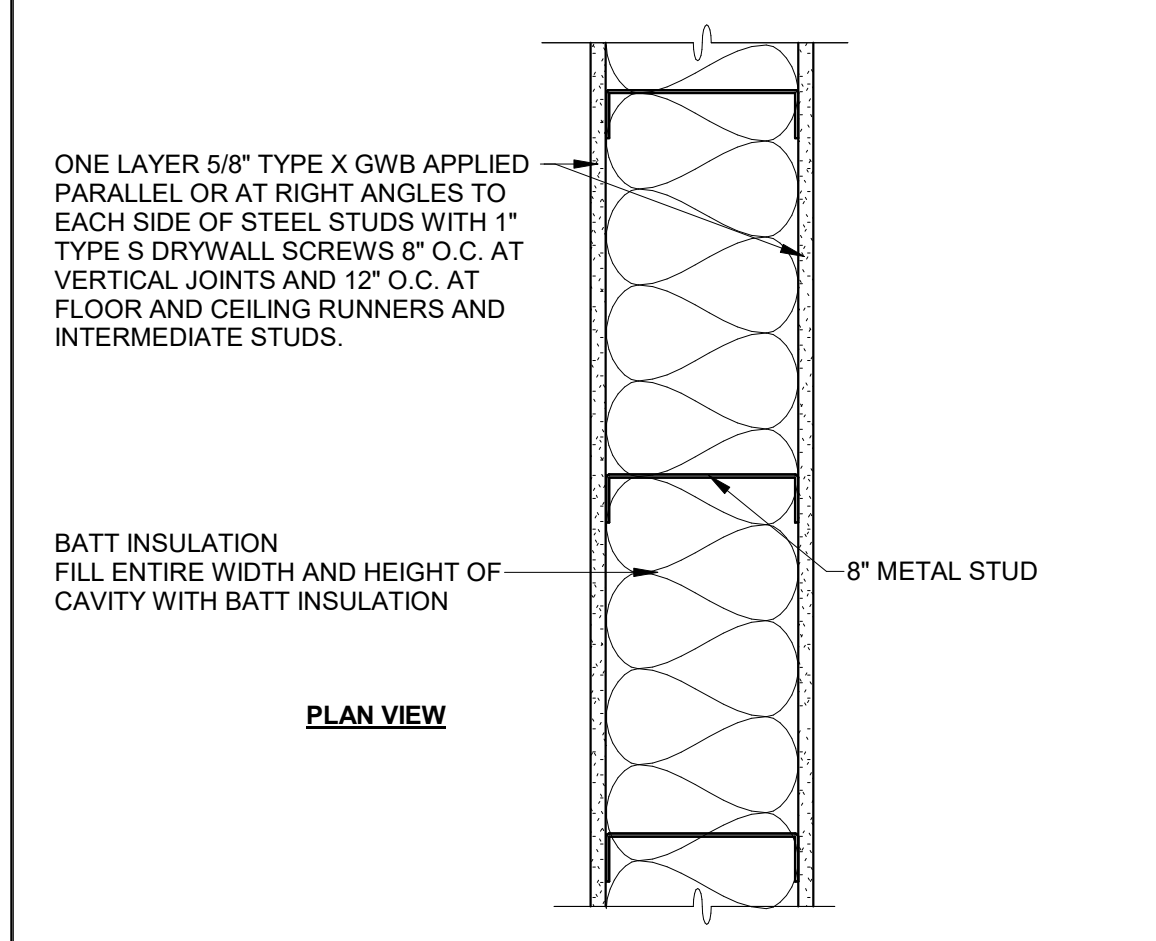
F-A INT. NON-RATED FUR. MTL STUD WALL

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



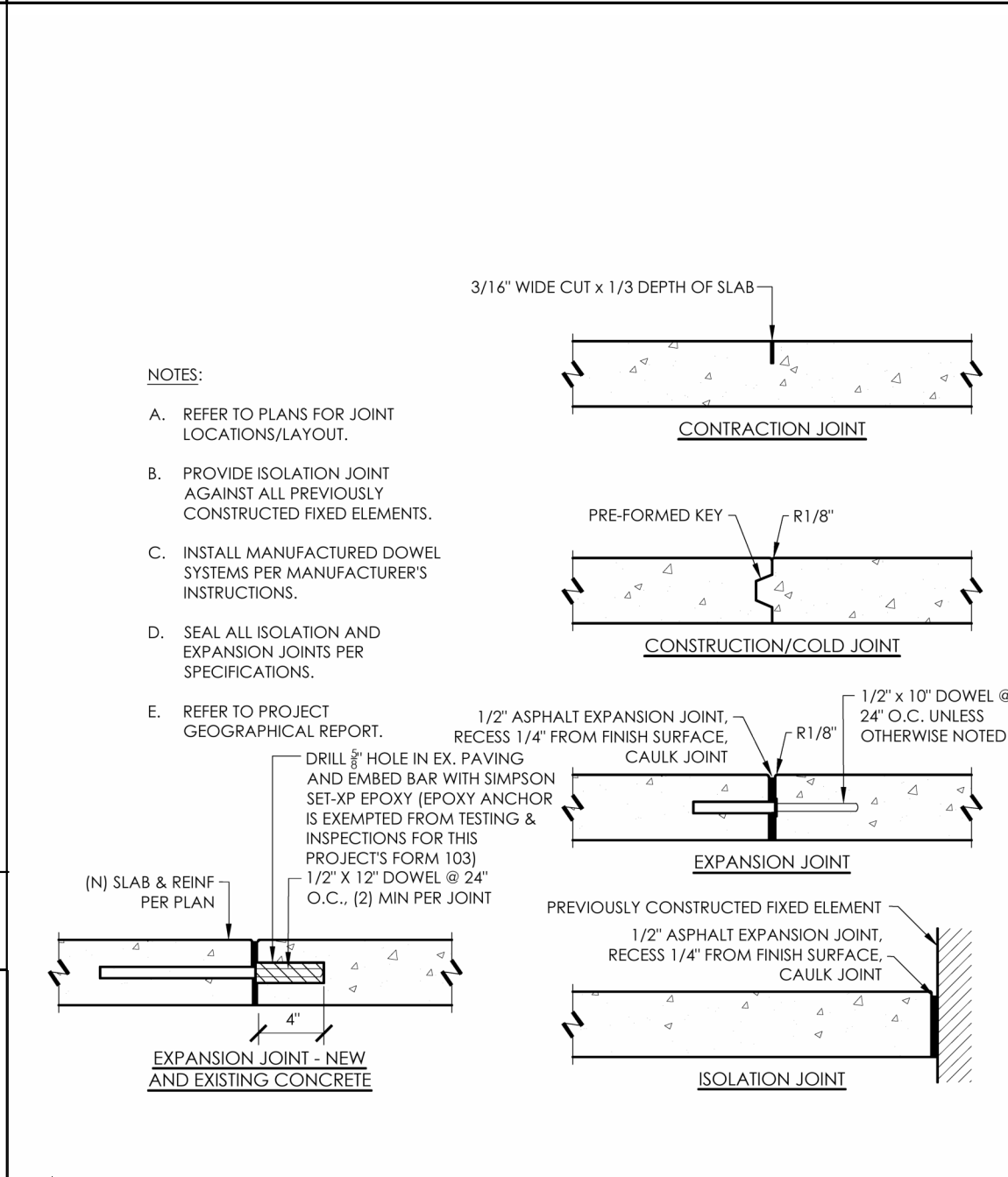
I-A INT. NON-RATED METAL STUD WALL

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



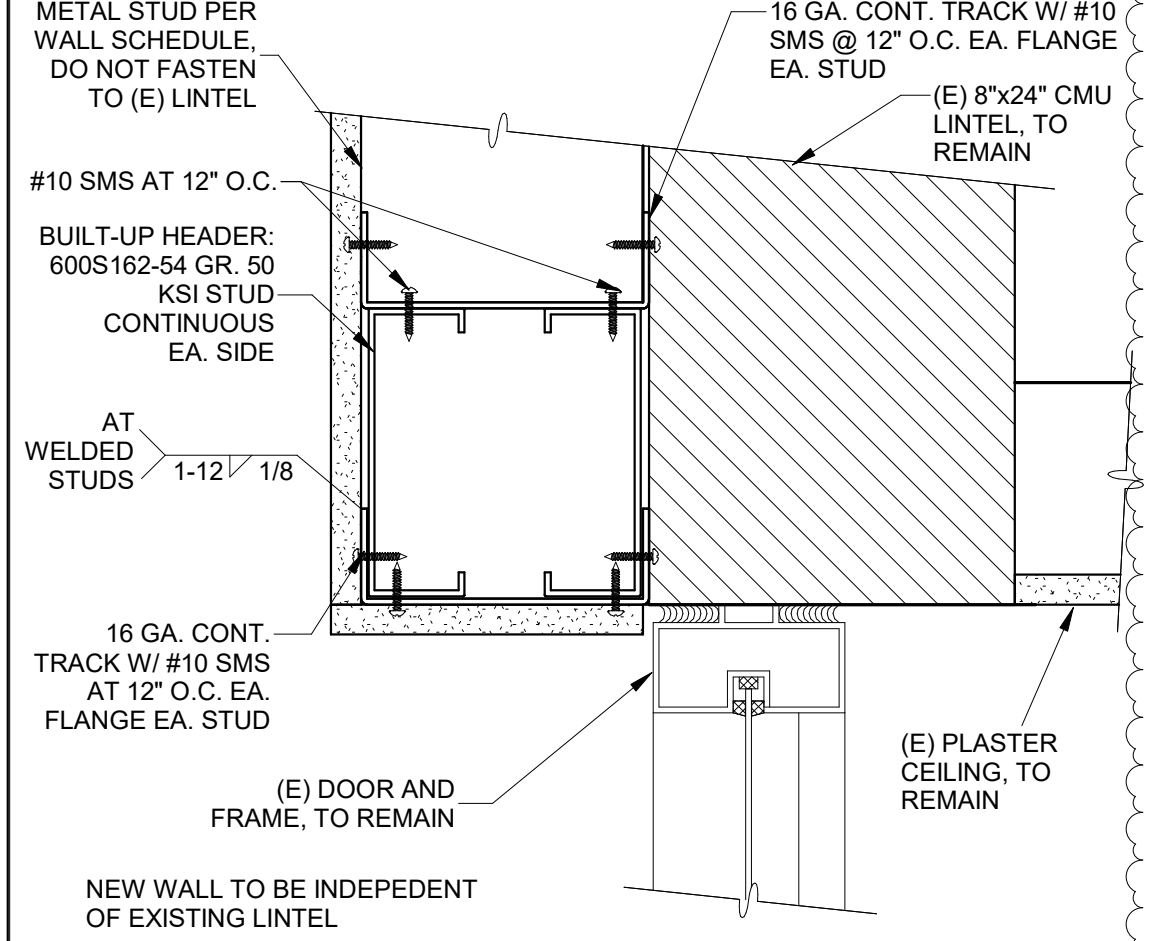
I-C INT. NON-RATED 8' MTL STUD WALL

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



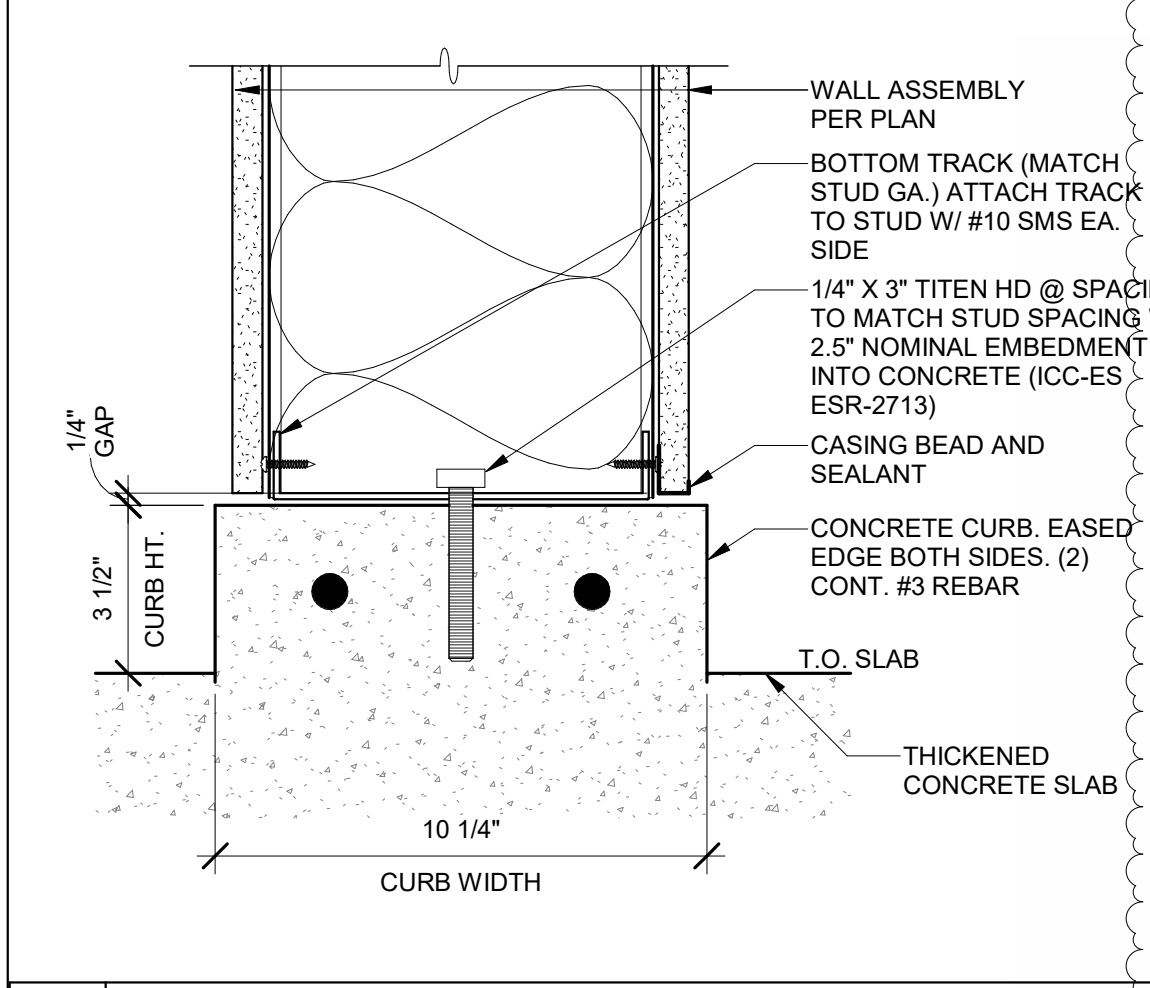
32 PAVING JOINTS

NTS



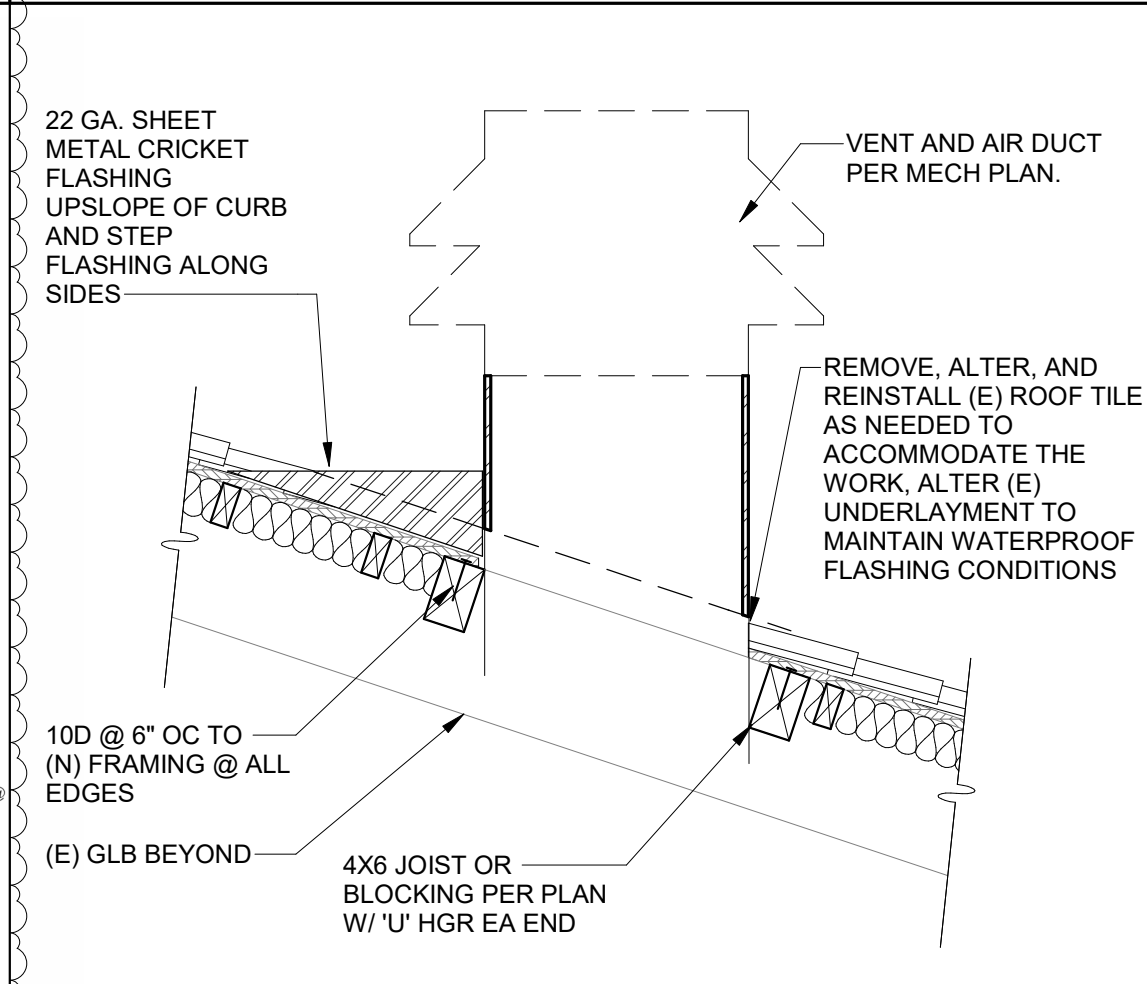
33 BOX HEADER

SCALE: 3" = 1'-0"



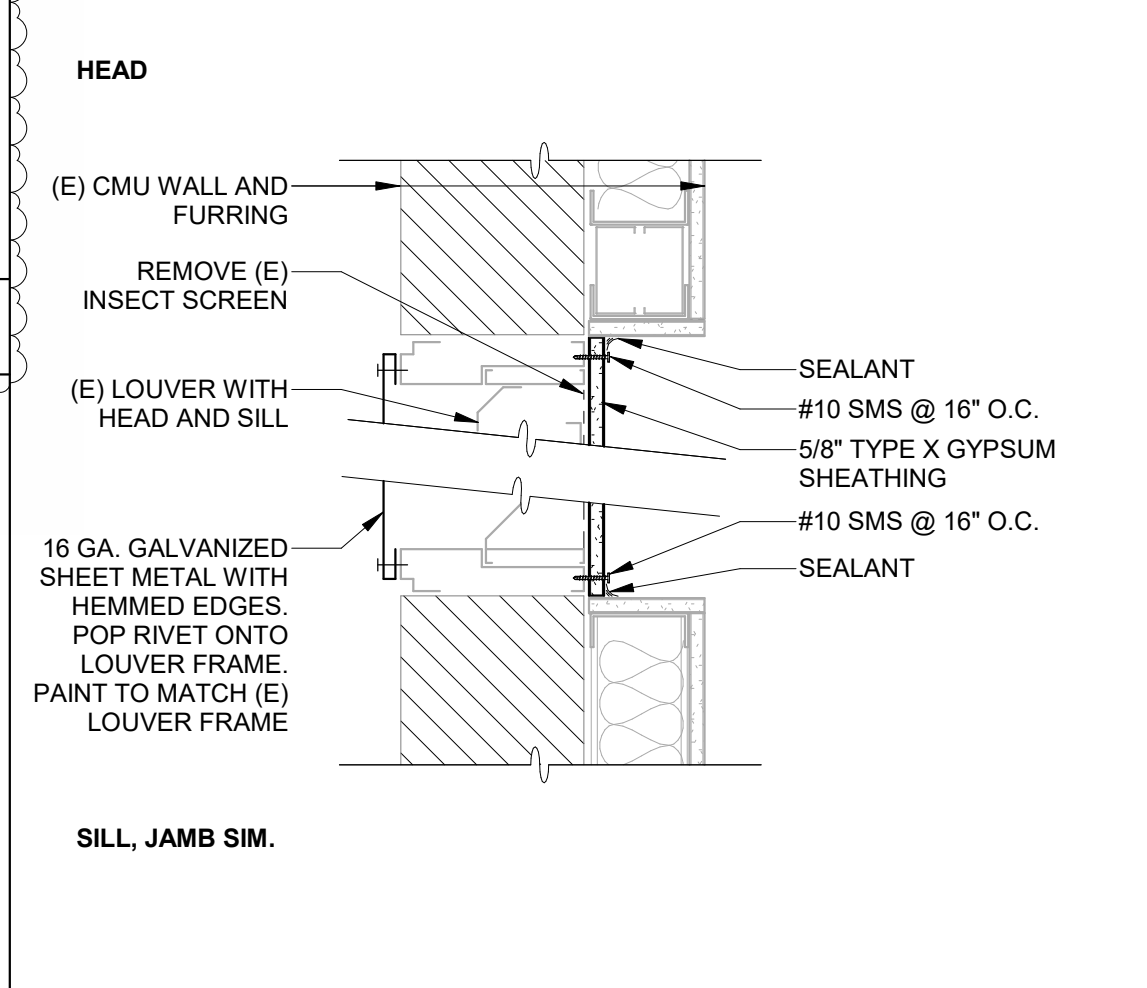
1 CONCRETE CURB - WALL TYPE I-C

SCALE: 3" = 1'-0"



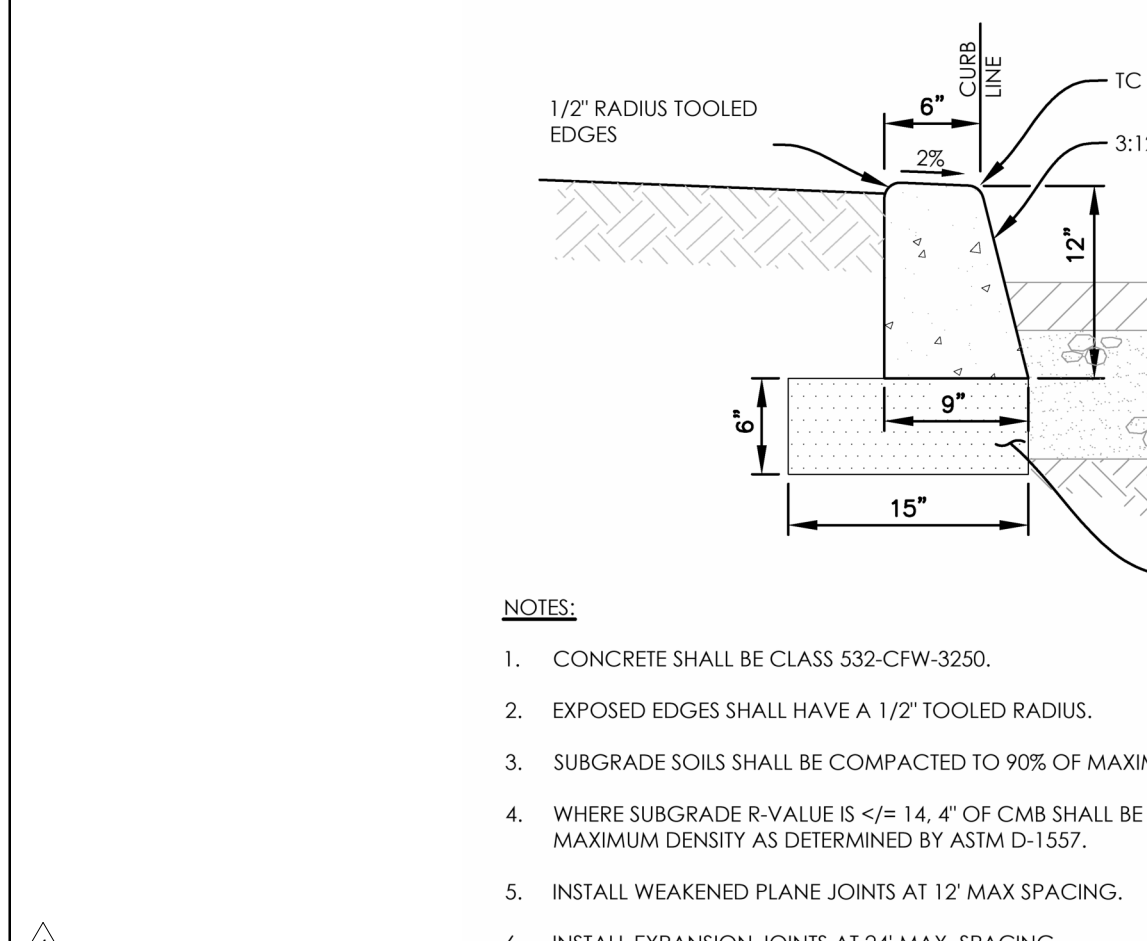
23 CONCRETE CURB AT WALK

NTS



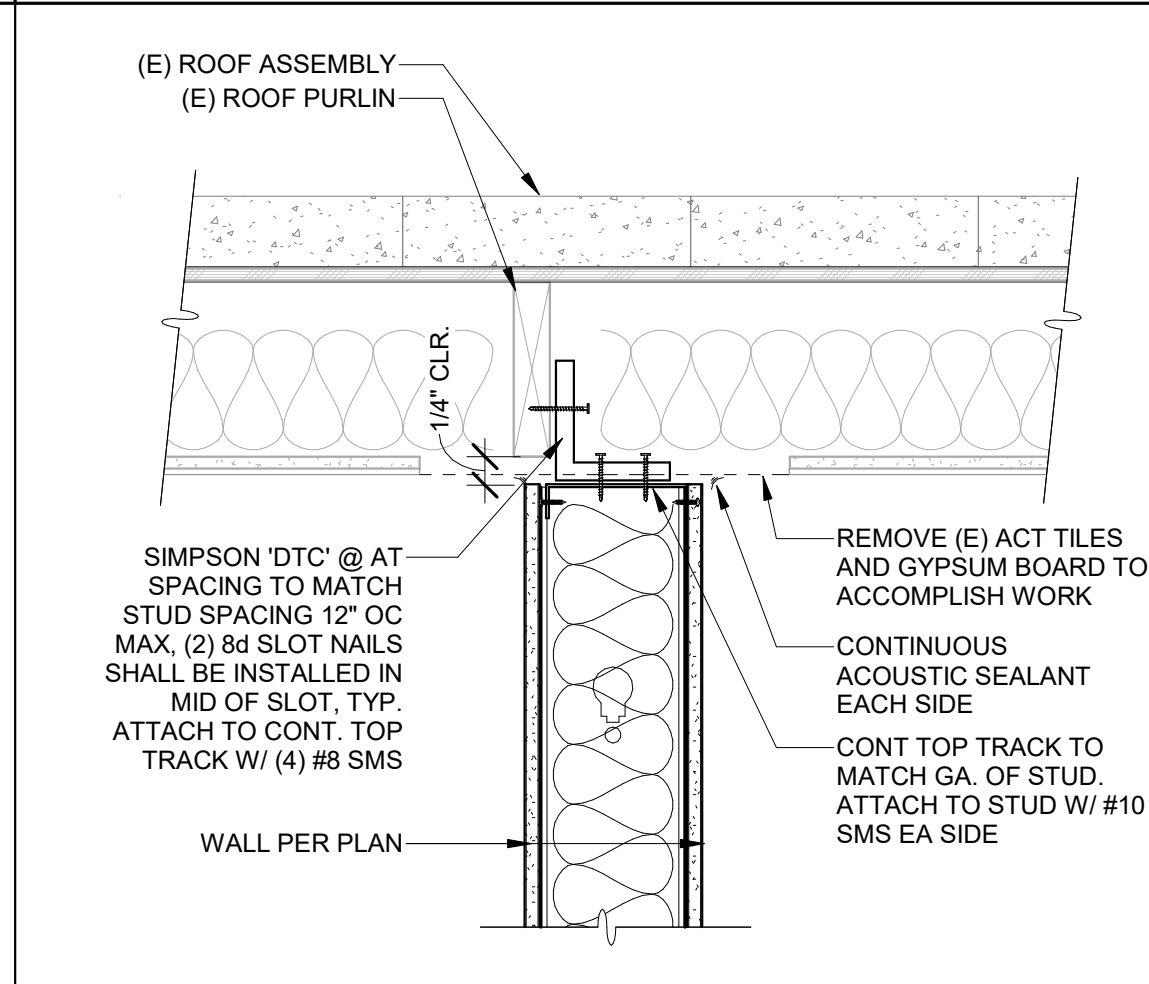
24 AC PAVING

NTS



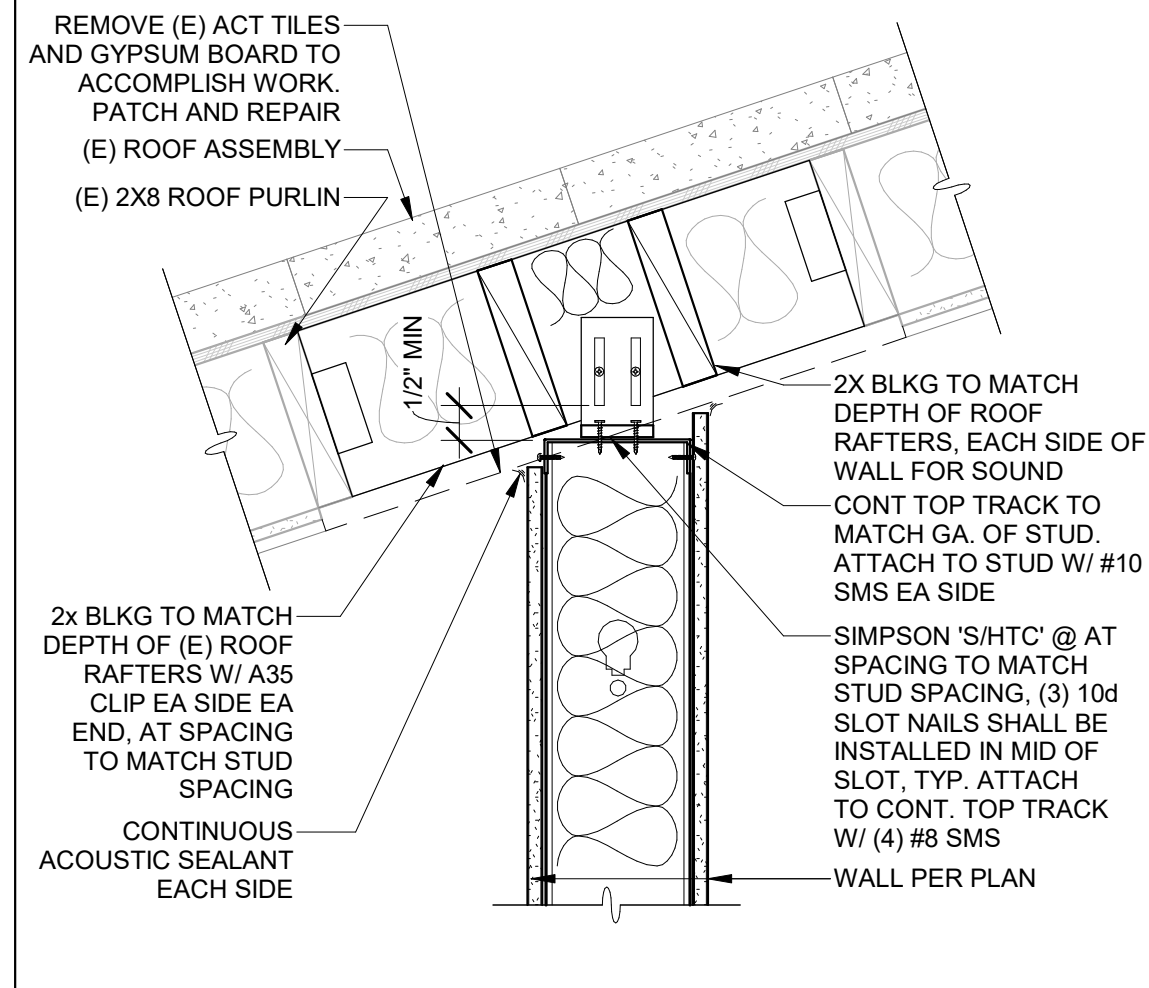
14 CONCRETE PAVING

NTS



11 PARTITION WALL PERP TO PURLINS

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



12 PARTITION WALL PARALLEL TO PURLINS

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



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DETAILS

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DATE		
12/31/2025		
PROJECT NUMBER		
3244-01-ED23		
SHEET		
A-907		

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**Section 08 3100
Access Doors and Panels**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Wall and ceiling mounted access units.

1.02 RELATED REQUIREMENTS

- A. Section 09 9113 - Exterior Painting: Field paint finish.
- B. Section 09 9123 - Interior Painting: Field paint finish.

1.03 SUBMITTALS

- A. See Section 01 3300 - Submittals for submittal procedures.
- B. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.

PART 2 PRODUCTS

2.01 ACCESS DOORS AND PANELS ASSEMBLIES

- A. Wall-Mounted Units:
 - 1. Location: As indicated on drawings and operable parts and valves within walls..
 - 2. Panel Material: Manufacturer finished steel. White..
 - 3. Size: As required to allow access to devices. 24in by 24in at fire alarm devices.
 - 4. Door/Panel: Hinged, standard duty, with tool-operated spring or cam lock and no handle.
 - 5. In All Wall Types: Surface mounted face frame and door surface flush with frame surface.
 - 6. Gypsum Board Mounting Criteria: Provide drywall bead frame with door surface flush with wall surface.
 - 7. Plaster Mounting Criteria: Provide drywall bead frame with door surface flush with wall surface.
- B. Wall-Mounted Units in Wet Areas:
 - 1. Material: Stainless steel.
 - 2. Size: 12 by 12 inches.
 - 3. Wall Mounting Criteria: Provide surface-mounted face frame and door surface flush with frame surface.
 - 4. Gypsum Board Mounting Criteria: Provide drywall bead frame with door surface flush with wall surface.

- C. Ceiling-Mounted Units:
 - 1. Location: As indicated on drawings.
 - 2. Panel Material: Manufacturer finished steel. White..
 - 3. Size - Other Ceilings: As required to allow access to devices. 24in by 24in at fire alarm devices.
 - 4. Door/Panel: Hinged, standard duty, with tool-operated spring or cam lock (wall mounted) and no handle.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that rough openings are correctly sized and located.
- B. Begin installation only after substrates have been properly prepared, and if the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Prepare surfaces using methods recommended by manufacturer for applicable substrates in accordance with project conditions.

3.03 INSTALLATION

- A. Install units in accordance with manufacturer's instructions.
- B. Install frames plumb and level in openings, and secure units rigidly in place.
- C. Position units to provide convenient access to concealed equipment when necessary.

END OF SECTION

**Section 10 2113.17
Phenolic Toilet Compartments**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Phenolic toilet compartments.

1.02 RELATED REQUIREMENTS

- A. Section 10 2813 - Toilet Accessories.

1.03 REFERENCE STANDARDS

- A. ASTM A666/A666M - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2024.

1.04 SUBMITTALS

- A. See Section 01 3300 - Submittals, for submittal procedures.
- B. Product Data: Provide data on panel construction, hardware, and accessories.
- C. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall supports, door swings.
- D. Samples: Submit two samples of partition panels, ____ by ____ inch in size illustrating panel finish, color, and sheen.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Phenolic Toilet Compartments:
 - 1. ASI Global Partitions; ____: www.asi-globalpartitions.com/#sle.
 - 2. Hadrian: www.hadrian-inc.com/#sle.
 - 3. Or equal..

2.02 PHENOLIC TOILET COMPARTMENTS

- A. Toilet Compartments: Factory fabricated doors, pilasters, and divider panels made of solid phenolic core panels with integral melamine finish, floor-mounted headrail-braced.
 - 1. Color: Black core with face finish to match existing..

- B. Doors:
 - 1. Thickness: 3/4 inch.
 - 2. Width: ____ inch.
 - 3. Width for Handicapped Use: 36 inch, out-swinging.
 - 4. Height: 58 inch.
- C. Panels:
 - 1. Thickness: 1/2 inch.
 - 2. Height: 58 inch.
- D. Pilasters:
 - 1. Thickness: 3/4 inch.
 - 2. Width: As required to fit space; minimum 3 inch.

2.03 ACCESSORIES

- A. Pilaster Shoes: Formed ASTM A666 Type 304 stainless steel with No. 4 finish, 3 inch high, concealing floor fastenings.
 - 1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
- B. Head Rails: Hollow anodized aluminum, 1 inch by 1-1/2 inch size, with anti-grip profile and cast socket wall brackets.
- C. Attachments, Screws, and Bolts: Stainless steel , tamper proof type.
 - 1. For attaching panels and pilasters to brackets: Through-bolts and nuts ; tamper proof.
 - 2. Connections to floor per drawings.
- D. Hardware: Polished stainless steel:
 - 1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
 - 2. Door Latch: Slide type with exterior emergency access feature.
 - 3. Door strike and keeper with rubber bumper; mounted on pilaster in alignment with door latch.
 - 4. Coat hook with rubber bumper; one per compartment, mounted on door.
 - 5. Provide door pull for outswinging doors.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify correct spacing of and between plumbing fixtures.
- C. Verify correct location of built-in framing, anchorage, and bracing.

3.02 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 inch to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- E. Field touch-up of scratches or damaged finish will not be permitted. Replace damaged or scratched materials with new materials.

3.03 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

3.04 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return out-swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

END OF SECTION

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Section 31 2316.13

Trenching

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Trench excavation.
- B. Utility bedding and cover.
- C. Backfill and compaction.

1.02 RELATED REQUIREMENTS

- A. Section 03 3000 - Cast-in-Place Concrete.
- B. Section 31 2316 - Excavation.
- C. Section 31 2323 - Fill.

1.03 REFERENCE STANDARDS

- A. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.
- B. AASHTO T 180 - Standard Method of Test for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18 in.) Drop; 2021, with Errata (2022).
- C. ASTM D698 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³)); 2012 (Reapproved 2021).
- D. ASTM D1556/D1556M - Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method; 2024.
- E. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³ (2,700 kN-m/m³)); 2012 (Reapproved 2021).
- F. ASTM D2167 - Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method; 2015.
- G. ASTM D6432 - Standard Guide for Using the Surface Ground Penetrating Radar Method for Subsurface Investigation; 2019.
- H. ASTM D6938 - Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth); 2017a, with Editorial Revision (2021).

1.04 SUBMITTALS

- A. See Section 01 3300 - Submittals for submittal procedures.
- B. Source Quality Control Submittals: Submit name of imported materials source.
 - 1. Results of gradation tests on proposed and actual materials used.

PART 2 PRODUCTS

2.01 FILL MATERIALS

- A. General Fill: Complying with the County of Ventura standards and specifications.
- B. Granular Fill: Complying with the County of Ventura standards and specifications.
- C. Sand: Complying with the County of Ventura standards and specifications.

2.02 SOURCE QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements for additional requirements.
- B. Test fill materials in accordance with specified standard before delivery to site.
- C. Nonconforming Materials: Change and retest.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify survey benchmarks and intended elevations for work are as indicated on drawings.

3.02 PREPARATION

- A. Identify required lines, levels, contours, and datum locations.
- B. Protect existing structures, fences, sidewalks, paving, and curbs from excavating equipment and vehicular traffic.
- C. Locate and identify existing utilities to remain as indicated on drawings and protect from damage.
- D. Perform ground-penetrating radar surveys in accordance with ASTM D6432 for undocumented utilities to remain; protect from damage.

3.03 SUPPORT AND PROTECTION

- A. Excavation Safety: Comply with OSHA's Excavation Standard, 29 CFR 1926, Subpart P.

3.04 TRENCH EXCAVATION

- A. Grade top perimeter of excavation to prevent surface water collection.
- B. Notify Architect of unexpected subsurface conditions and discontinue affected work in area until notified to resume.
- C. General: Cut trenches neat and clean.
 - 1. Slope banks of excavations deeper than 4 feet to angle of repose or less until shored.
- D. Utility Preparation: Rake trench bottom to uniform grade.
 - 1. Remove unsuitable subgrade and backfill.
 - 2. Compact subgrade to density equal to or greater than subsequent fill material requirements.
- E. Maintain trenches and prevent loose soil or rocks from entering.

3.05 UTILITY BEDDING AND COVER

- A. Crushed Stone: Compact to 95 percent of maximum dry density.
 - 1. Bedding: Fill to subgrade elevation; rake smooth.
- B. Sand: Compact in maximum 8-inch lifts to 95 percent of maximum dry density.
 - 1. Bedding: Fill to subgrade elevation; rake smooth.

3.06 BACKFILL AND COMPACTION

- A. Backfill to contours and elevations indicated on drawings using unfrozen materials.
- B. Employ placement method that does not disturb or damage other work.
- C. Systematically fill to allow maximum time for natural settlement. Do not fill over porous, wet, frozen, or spongy subgrade surfaces.
- D. Maintain optimum moisture content of fill materials to attain required compaction density.
- E. General Fill: Place and compact materials in equal continuous layers not exceeding 8 inches compacted depth.
- F. Granular Fill: Place and compact material in equal continuous layers not exceeding 6 inches compacted depth.
- G. Correct areas that are over-excavated.
- H. Compaction Density Unless Otherwise Specified or Indicated:
- I. Reshape and re-compact fills subjected to vehicular traffic.

3.07 BEDDING AND FILL AT SPECIFIC LOCATIONS

- A. Utility Piping, Conduits, and Duct Bank:

3.08 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements for general requirements for field inspection and testing.
- B. Perform compaction density testing on compacted fill in accordance with ASTM D1556, ASTM D2167, or ASTM D6938.
- C. Evaluate results in relation to compaction curve determined by testing uncompacted material in accordance with ASTM D1557 modified proctor, AASHTO T 180, or ASTM D698 standard proctor.
- D. Nonconforming Work: For failed tests, remove work, replace, and retest.
- E. Frequency of Tests: Backfill mid-point and top.

3.09 CLEANING

- A. See Section 01 7000 - Execution and Closeout Requirements for additional requirements.
- B. Stockpile excavated material re-used in area designated on-site; see Section 31 2200.
- C. Remove excavated material that is not required or unsuitable for re-use from site.

3.10 PROTECTION

- A. Divert surface water away from excavations.
- B. Keep excavations free of standing water.
- C. Maintain stability of banks and loose soils; prevent from falling into excavations.
- D. Maintain excavations in neat and square, undisturbed condition.

END OF SECTION

**Section 31 2316
Excavation**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Support and protection.
- B. Excavation.

1.02 RELATED REQUIREMENTS

- A. Section 02 4100 - Demolition.
- B. Section 31 2316.13 - Trenching: Excavating for utility trenches _____.
- C. Section 31 2323 - Fill.

1.03 REFERENCE STANDARDS

- A. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.

1.04 QUALITY ASSURANCE

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify survey bench mark elevations are as indicated on drawings.

3.02 PREPARATION

- A. Identify required lines, levels, contours, and datum locations.
- B. Locate and identify known utilities to remain and protect from damage.

3.03 SUPPORT AND PROTECTION

- A. Excavation Safety: Comply with OSHA's Excavation Standard, 29 CFR 1926, Subpart P.

3.04 EXCAVATION

- A. General Excavation:
 - 1. Excavate to indicated contours, elevations, and grades.
- B. Excavate to accommodate construction operations.
 - 1. Hand trim excavations. Remove loose matter.
- C. Notify Architect of unexpected subsurface conditions and discontinue affected work in area until notified to resume work.

3.05 CLEANING

- A. See Section 01 7000 - Execution and Closeout Requirements for additional requirements.
- B. Stockpile excavated material for re-use in area designated on-site; see Section 31 2200.
- C. Remove excavated material unsuitable for re-use from site.
- D. Remove excess excavated material from site.

3.06 PROTECTION

- A. Divert surface water away from excavations.
- B. Maintain stability of banks and loose soils; prevent from falling into excavations.
- C. Maintain excavations in satisfactory, undisturbed condition.
- D. Protect bottom of excavations from freezing.

END OF SECTION

Section 31 2323

Fill

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Filling, backfilling, and compacting for footings, slabs-on-grade, paving, site structures, and utilities within the building.
- B. Backfilling and compacting for utilities outside the building to utility main connections.

1.02 RELATED REQUIREMENTS

- A. Section 01 5713 - Temporary Erosion and Sediment Control: Slope protection and erosion control.
- B. Section 31 2316.13 - Trenching: Excavating for utility trenches ____.

1.03 REFERENCE STANDARDS

- A. AASHTO T 180 - Standard Method of Test for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18 in.) Drop; 2021, with Errata (2022).
- B. ASTM D698 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³)); 2012 (Reapproved 2021).
- C. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³ (2,700 kN-m/m³)); 2012 (Reapproved 2021).

1.04 SUBMITTALS

- A. See Section 01 3300 - Submittals, for submittal procedures.
- B. Materials Sources: Submit name of imported materials source.
- C. Compaction Density Test Reports.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. When necessary, store materials on site in advance of need.
- B. When fill materials need to be stored on site, locate stockpiles where directed by the Owner.
 - 1. Separate differing materials with dividers or stockpile separately to prevent intermixing.
 - 2. Prevent contamination.
 - 3. Protect stockpiles from erosion and deterioration of materials.

PART 2 PRODUCTS

2.01 FILL MATERIALS

- A. General Fill and backfill material shall comply with County of Ventura standards and specifications.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Identify required lines, levels, contours, and datum locations.
- B. Verify areas to be filled are not compromised with surface or ground water.

3.02 PREPARATION

- A. Scarify subgrade surface to a depth of 6 inches to identify soft spots.
- B. Cut out soft areas of subgrade not capable of compaction in place. Backfill with general fill.
- C. Compact subgrade to density equal to or greater than requirements for subsequent fill material.
- D. Until ready to fill, maintain excavations and prevent loose soil from falling into excavation.

3.03 FILLING

- A. Fill up to subgrade elevations unless otherwise indicated.
- B. Employ a placement method that does not disturb or damage other work.
- C. Systematically fill to allow maximum time for natural settlement. Do not fill over porous, wet, frozen or spongy subgrade surfaces.
- D. Maintain optimum moisture content of fill materials to attain required compaction density.
- E. Slope grade away from building minimum 2 inches in 10 feet, unless noted otherwise. Make gradual grade changes. Blend slope into level areas.
- F. Correct areas that are over-excavated.
 - 1. Other areas: Use general fill, flush to required elevation, compacted to minimum 97 percent of maximum dry density.
- G. Compaction Density Unless Otherwise Specified or Indicated:
 - 1. Under paving, slabs-on-grade, and similar construction: 95 percent of maximum dry density.
- H. Reshape and re-compact fills subjected to vehicular traffic.

- I. Maintain temporary means and methods, as required, to remove all water while fill is being placed as required, or until directed by the Architect. Remove and replace soils deemed unsuitable by classification and which are excessively moist due to lack of dewatering or surface water control.

3.04 FILL AT SPECIFIC LOCATIONS

- A. General fill and backfill material shall comply with the County of Ventura standards and specifications.

3.05 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements, for general requirements for field inspection and testing.
- B. Evaluate results in relation to compaction curve determined by testing uncompacted material in accordance with ASTM D698 ("standard Proctor"), ASTM D1557 ("modified Proctor"), or AASHTO T 180.
- C. If tests indicate work does not meet specified requirements, remove work, replace and retest.

3.06 CLEANING

- A. See Section 01 7419 - Construction Waste Management and Disposal, for additional requirements.
- B. Remove unused stockpiled materials from site. Leave area in a clean and neat condition. Grade stockpile area to prevent standing surface water if needed.

END OF SECTION

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Section 32 0505
Selective Demolition for Exterior Improvements

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Selective demolition of built site elements, including but not limited to paving curb and gutter, concrete sidewalk, concrete driveways, fencing, walls and landscaping.
- B. Replacement of drainage facilities

1.02 RELATED REQUIREMENTS

- A. Section 01 1000 - Summary: Limitations on Contractor's use of site and premises.
- B. Section 01 1000 - Summary: Description of items to be salvaged or removed for re-use by Contractor.
- C. Section 01 5000 - Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.
- D. Section 01 6000 - Product Requirements: Handling and storage of items removed for salvage and relocation.
- E. Section 01 7419 - Construction Waste Management and Disposal: Limitations on disposal of removed materials; requirements for recycling.
- F. Section 024119 - Selective Structure Demolition

1.03 REFERENCE STANDARDS

- A. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.

1.04 SUBMITTALS

- A. See Section 01 3300 - Submittals, for submittal procedures.
- B. Site Plan: Showing:
 - 1. Areas for temporary construction and field offices.
- C. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

PART 3 EXECUTION

2.01 SCOPE

- A. Remove paving and curbs as required to accomplish new work.
- B. Remove concrete slabs on grade as indicated on drawings.
- C. Remove fences and gates.
- D. Remove other items indicated, for salvage, relocation, and recycling.

2.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
 - 1. Obtain required permits.
 - 2. Use of explosives is not permitted.
 - 3. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
 - 4. Provide, erect, and maintain temporary barriers and security devices.
 - 5. Use physical barriers to prevent access to areas that could be hazardous to workers or the public.
 - 6. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
 - 7. Do not close or obstruct roadways or sidewalks without permit.
 - 8. Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect persons using entrances and exits from removal operations.
 - 9. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon or limit access to their property.
- B. Do not begin removal until receipt of notification to proceed from District.
- C. Protect existing structures and other elements that are not to be removed.
 - 1. Provide bracing and shoring.
 - 2. Prevent movement or settlement of adjacent structures.
 - 3. Stop work immediately if adjacent structures appear to be in danger.
- D. Minimize production of dust due to demolition operations; do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.
- E. If hazardous materials are discovered during removal operations, stop work and notify Architect and District; hazardous materials include regulated asbestos containing materials, lead, PCB's, and mercury.
- F. Perform demolition in a manner that maximizes salvage and recycling of materials.

1. Comply with requirements of Section 01 7419 - Waste Management.
2. Dismantle existing construction and separate materials.
3. Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.

G. Partial Removal of Paving and Curbs: Neatly saw cut at right angle to surface.

2.03 EXISTING UTILITIES

- A. Coordinate work with utility companies; notify before starting work and comply with their requirements; obtain required permits.
- B. Protect existing utilities to remain from damage.
- C. Do not disrupt public utilities without permit from authority having jurisdiction.
- D. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to District.
- E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to District.
- F. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from damage due to subsequent construction, using substantial barricades if necessary.
- G. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.

2.04 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.
 1. Verify that construction and utility arrangements are as shown.
 2. Report discrepancies to Architect before disturbing existing installation.
 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Remove existing work as indicated and as required to accomplish new work.
 1. Remove items indicated on drawings.
- C. Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications): Remove existing systems and equipment as indicated.
 1. Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components.
 2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.

3. Verify that abandoned services serve only abandoned facilities before removal.
 4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification.
- D. Protect existing work to remain.
1. Prevent movement of structure; provide shoring and bracing if necessary.
 2. Perform cutting to accomplish removals neatly and as specified for cutting new work.
 3. Repair adjacent construction and finishes damaged during removal work.
 4. Patch as specified for patching new work.

2.05 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
- B. Leave site in clean condition, ready for subsequent work.
- C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

Section 32 1216

Asphalt Paving

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aggregate base course.
- B. Single course bituminous concrete paving.
- C. Double course bituminous concrete paving.
- D. Surface sealer.

1.02 RELATED REQUIREMENTS

- A. Section 31 2323 - Fill: Compacted subgrade for paving.
- B. Section 32 1313 - Concrete Paving: Concrete substrate.
- C. Section 32 1313 - Concrete Paving: Concrete curbs.

1.03 REFERENCE STANDARDS

- A. AI MS-2 - Asphalt Mix Design Methods; 2015.
- B. AI MS-19 - Basic Asphalt Emulsion Manual; 2008.
- C. ASTM D946 - Standard Specification for Penetration-Graded Asphalt Cement for Use in Pavement Construction; 2009a.

1.04 QUALITY ASSURANCE

- A. Perform Work in accordance with Municipality of Ventura Public Work's standard.
- B. Mixing Plant: Complying with State of California Highways standard.
- C. Obtain materials from same source throughout.

1.05 FIELD CONDITIONS

- A. Do not place asphalt when ambient air or base surface temperature is less than 40 degrees F, or surface is wet or frozen.

- B. Place bitumen mixture when temperature is not more than 15 F degrees below bitumen supplier's bill of lading and not more than maximum specified temperature.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Comply with applicable code for paving work on public property.

2.02 MATERIALS

- A. Asphalt Cement: ASTM D946.
- B. Aggregate for Base Course: In accordance with State of California Highways standards.
- C. Aggregate for Binder Course: In accordance with State of California Highways standards.
- D. Aggregate for Wearing Course: In accordance with State of California Highways standards.
- E. Fine Aggregate: In accordance with State of California Highways standards.
- F. Tack Coat: Homogeneous, medium curing, liquid asphalt.
- G. Seal Coat: AI MS-19
- H. Grade of asphalt shall be PG 64-10.
- I. Mineral aggregate shall be Type A, 1/2" maximum size aggregate, medium grading and shall conform to the requirements set forth in Section 39 of the Standard Specifications.
- J. Reclaimed Asphalt Pavement is not allowed.

2.03 ASPHALT PAVING MIXES AND MIX DESIGN

- A. Asphalt Base Course: 3.0 to 6 percent of asphalt cement by weight in mixture in accordance with AI MS-2.
- B. Asphalt Binder Course: 4.5 to 6 percent of asphalt cement by weight in mixture in accordance with AI ____.
- C. Asphalt Wearing Course: 5 to 7 percent of asphalt cement by weight in mixture in accordance with AI MS-2.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that compacted subgrade is dry and ready to support paving and imposed loads.
- B. Verify gradients and elevations of base are correct.

3.02 AGGREGATE BASE COURSE

- A. Place and compact aggregate base course.

3.03 PREPARATION - PRIMER

- A. Apply primer in accordance with manufacturer's instructions.
- B. Apply primer on aggregate base or subbase at uniform rate of 1/3 gal/sq yd.
- C. Apply primer to contact surfaces of curbs, gutters, and _____.
- D. Use clean sand to blot excess primer.

3.04 PREPARATION - TACK COAT

- A. Apply tack coat in accordance with manufacturer's instructions.
- B. Apply tack coat on asphalt or concrete surfaces over subgrade surface at uniform rate of 1/3 gal/sq yd.
- C. Compact pavement by rolling to specified density. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.
- D. Perform rolling with consecutive passes to achieve even and smooth finish without roller marks.

3.05 PLACING ASPHALT PAVEMENT - SINGLE COURSE

- A. Place asphalt binder course within 24 hours of applying primer or tack coat.
- B. Place asphalt wearing course within two hours of placing and compacting binder course.
- C. Compact pavement by rolling to specified density. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.
- D. Perform rolling with consecutive passes to achieve even and smooth finish without roller marks.

3.06 SEAL COAT

- A. Apply seal coat to asphalt surface course and asphalt curbs in accordance with AI MS-19.

3.07 TOLERANCES

- A. Flatness: Maximum variation of 1/4 inch measured with 10 foot straight edge.
- B. Variation from True Elevation: Within 1/2 inch.

3.08 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements, for general requirements for quality control.
- B. Provide field inspection and testing. Take samples and perform tests in accordance with AI MS-2.

3.09 PROTECTION

- A. Immediately after placement, protect pavement from mechanical injury until surface temperature is less than 140 degrees F.

END OF SECTION

Section 32 1623
Sidewalks

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Concrete sidewalks.
- B. Concrete wheelchair ramps.

1.02 RELATED REQUIREMENTS

- A. Section 32 1216 - Asphalt Paving.
- B. Section 32 1723 - Pavement Markings.
- C. Section 32 1726 - Tactile Warning Surfacing.

1.03 REFERENCE STANDARDS

- A. ACI PRC-211.1 - Selecting Proportions for Normal-Density and High Density-Concrete - Guide; 2022.
- B. ACI PRC-305 - Guide to Hot Weather Concreting; 2020.
- C. ACI PRC-306 - Guide to Cold Weather Concreting; 2016.
- D. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- E. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2024a.
- F. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2026c.
- G. ASTM C1315 - Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete; 2025.
- H. ASTM D1751 - Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Asphalt Types); 2023.
- I. COE CRD-C 48 - Handbook for Concrete and Cement Standard Test Method for Water Permeability of Concrete; 1992.

1.04 SUBMITTALS

- A. See Section 01 3300 - Submittals for submittal procedures.

- B. Product Data:
 - 1. Concrete: Provide data on admixtures.

1.05 FIELD CONDITIONS

- A. Follow recommendations of ACI PRC-305 and ACI PRC-306 when concreting during hot and cold weather, respectively.

PART 2 PRODUCTS

2.01 CONCRETE SIDEWALKS AND WHEELCHAIR RAMPS

- A. Gravel Subbase: Thickness as indicated on drawings.
- B. Concrete Forms: Wood.
- C. Concrete Materials: Comply with ASTM C94/C94M.
- D. Aggregate: Pit Run, washed, 3/8 inch (1 cm) stone; free of shale, clay, friable material and debris.
- E. Joint Filler: Preformed expansion, with a thickness of 1/2 inch.
- F. Surface Sealer: Topical, Type 1 , Class A, according to ASTM C1315.
- G. Tactile Warning Surfaces: See Section 32 1726.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify gradients and elevations of the subgrade are correct as shown on drawings. Where poor subgrade material is encountered, remove and replace with suitable material.
- B. Verify compacted subgrade is acceptable, ready to support imposed loads and paving, and ready to receive work.

3.02 SUBBASE PREPARATION

- A. Maintain subgrade in a smooth, compacted condition with required section and established grade until concrete is placed.

3.03 CONCRETE SIDEWALK AND WHEELCHAIR RAMP INSTALLATION

- A. Mixing:
 - 1. Proportioning Normal Weight Concrete: Comply with ACI PRC-211.1 recommendations.

2. Admixtures: Add acceptable admixtures as recommended in ACI PRC-211.1 and at rates recommended by manufacturer.
- B. Forming:
 1. Assemble formwork to permit easy stripping and dismantling without damaging concrete.
 2. Sidewalk Forms: Place and secure forms to location, dimension, profile, and gradient shown on drawings. Height equal to the full depth of the finished sidewalk.
 3. Wheelchair Ramps: Place and secure forms to location, dimension, profile, and gradient shown on drawings. Comply with ADA Standards.
- C. Reinforcement:
 1. Place wire-mesh reinforcement mid-height of forms.
- D. Placement:
 1. Place concrete in a single lift.
 2. Consolidate concrete by tamping and spading.
- E. Joints:
 1. Spacing: Provide scored joints every 10 feet (3 m).
 2. Filler height equal to the full depth of the finished concrete.
- F. Finishing:
 1. Sidewalk Paving: Light broom, texture perpendicular to direction of travel with troweled and radiused edge, 1/4 inch radius.
 2. Wheelchair Ramps: Broomed perpendicular to slope.
 3. Place surface sealer on exposed concrete surfaces after hardening. Apply in accordance with manufacturer's instructions.

3.04 TOLERANCES

- A. Surface Flatness: 1/4 inch, maximum, measured with 10 foot straight edge.

3.05 PROTECTION

- A. Immediately after placement, protect sidewalk from premature drying, excessively hot or cold temperatures, and mechanical injury.
- B. Do not permit pedestrian traffic over sidewalk for 7 days minimum after finishing.

END OF SECTION

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**Section 32 1723
Pavement Markings**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Painted pavement markings.

1.02 RELATED REQUIREMENTS

- A. Section 32 1216 - Asphalt Paving.
- B. Section 32 1313 - Concrete Paving.
- C. Section 32 1623 - Sidewalks.
- D. Section 32 1726 - Tactile Warning Surfacing.

1.03 REFERENCE STANDARDS

- A. AASHTO MP 24 - Standard Specification for Waterborne White and Yellow Traffic Paints; 2015 (Reapproved 2020).

1.04 SUBMITTALS

- A. See Section 01 3300 - Submittals for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.06 FIELD CONDITIONS

- A. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.07 SEQUENCING

- A. Allow new pavement surfaces to cure for a period of not less than 14 days before application of markings.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Painted Pavement Markings:
 - 1. Dunn-Edwards Corporation; Vin-L-Stripe Specialty Interior/Exterior Velvet Zone Marking Paint.
 - 2. PPG Traffic Solutions; Ennis Flint Fast Dry Waterborne Traffic Paint, 9852x Series.
 - 3. Or equal..

2.02 PAINTED PAVEMENT MARKINGS

- A. Painted Pavement Markings: As indicated on drawings.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Identify existing markings for removal.
- B. Verification of Conditions: Verify that pavement is dry and ready for installation.
- C. Notify Architect of unsatisfactory conditions before proceeding.

3.02 INSTALLATION

- A. General:
 - 1. Position pavement markings as indicated on drawings.
 - 2. Field location adjustments require approval of Architect.
- B. Painted Pavement Markings:
 - 1. Apply in accordance with manufacturer's instructions.

3.03 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements for additional requirements.
- B. If inspections indicate work does not meet specified requirements, rework and reinspect at no cost to District.
- C. Allow the pavement marking to set at least the minimum time recommended by manufacturer.

3.04 CLOSEOUT ACTIVITIES

- A. See Section 01 7800 - Closeout Submittals for additional requirements.
- B. Temporary Markings: Remove without damaging surfaces.

3.05 PROTECTION

- A. Prevent approaching traffic from crossing newly applied pavement markings.
- B. Replace damaged or removed markings at no additional cost to District.

END OF SECTION

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**Section 32 1726
Tactile Warning Surfacing**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Plastic tactile warning surfacing.

1.02 SUBMITTALS

- A. See Section 01 3300 - Submittals for submittal procedures.
- B. Manufacturer's qualification statement.
- C. Warranty: Submit manufacturer warranty; complete forms in District's name and register with manufacturer.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with minimum 3 years of documented experience.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver to project site in manufacturer's protective wrapping and in manufacturer's unopened packaging.
- B. Store covered and elevated above grade and in manufacturer's unopened packaging until ready for installation. Maintain at ambient temperature between 40 and 90 degrees F.

1.05 WARRANTY

- A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide standard 5-year warranty against manufacturing defects, breakage, or deformation of plastic tiles. Complete forms in Owner's name and register with manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Plastic Tactile Warning Surfacing:
 - 1. Armor-Tile, a brand of Engineered Plastics, Inc: www.armortiletransit.com/#sle.

2. Substitutions: See Section 01 6000 - Product Requirements.

2.02 MATERIALS

- A. Plastic Tactile Warning Surfacing:
 1. Pattern: In-line pattern of truncated domes complying with California Building Code.
 2. Color: SAE AMS-STD-595, Table IV, Federal Yellow No. 33538.

2.03 ACCESSORIES

- A. Fasteners: ASTM A666/A666M, Type 304 stainless steel.
 1. Type: Countersunk, color-matched composite sleeve anchors.
 2. Size: 1/4 inch diameter and 1-1/2 inches long and as approved by surfacing tile manufacturer.
- B. Adhesive: Type recommended and approved by surfacing tile manufacturer.
- C. Sealant: Elastomeric sealant of color to match adjacent surfaces; approved by surfacing tile manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. When installation location is near site boundary or property line, verify required location using property survey.
- B. Verify that work area is ready to receive work:
 1. If existing conditions are not as required to properly complete the work of this section, notify Architect.
 2. Do not proceed with installation until deficiencies in existing conditions have been corrected.
- C. Verify that dimensions, tolerances, and attachment methods for work in this section are properly coordinated with other work on site.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's written instructions.
 1. Do not install damaged, warped, bowed, dented, abraded, or otherwise defective units.
 2. Do not install when ambient or substrate temperature has been below 40 degrees F during the preceding 8 daylight hours.
- B. Field Adjustment:
 1. Cut units to size and configuration shown on drawings.
 2. Locate relative to curb line in accordance with ATBCB PROWAG, Sections 304 and 305.
 3. Orient so dome pattern is aligned with the direction of ramp.

4. Align truncated dome pattern between adjacent units.

C. Install units fully seated to substrate, square to straight edges and flat to required slope.

3.03 CLEANING

A. Remove protective plastic sheeting within 24 hours of installation.

B. Remove excess sealant or adhesive from joints and edges.

C. Clean four days prior to date of scheduled inspection.

3.04 PROTECTION

A. Protect installed units from traffic, subsequent construction operations or other imposed loads until concrete is fully cured.

B. Touch-up, repair or replace damaged products prior to Date of Substantial Completion.

END OF SECTION

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