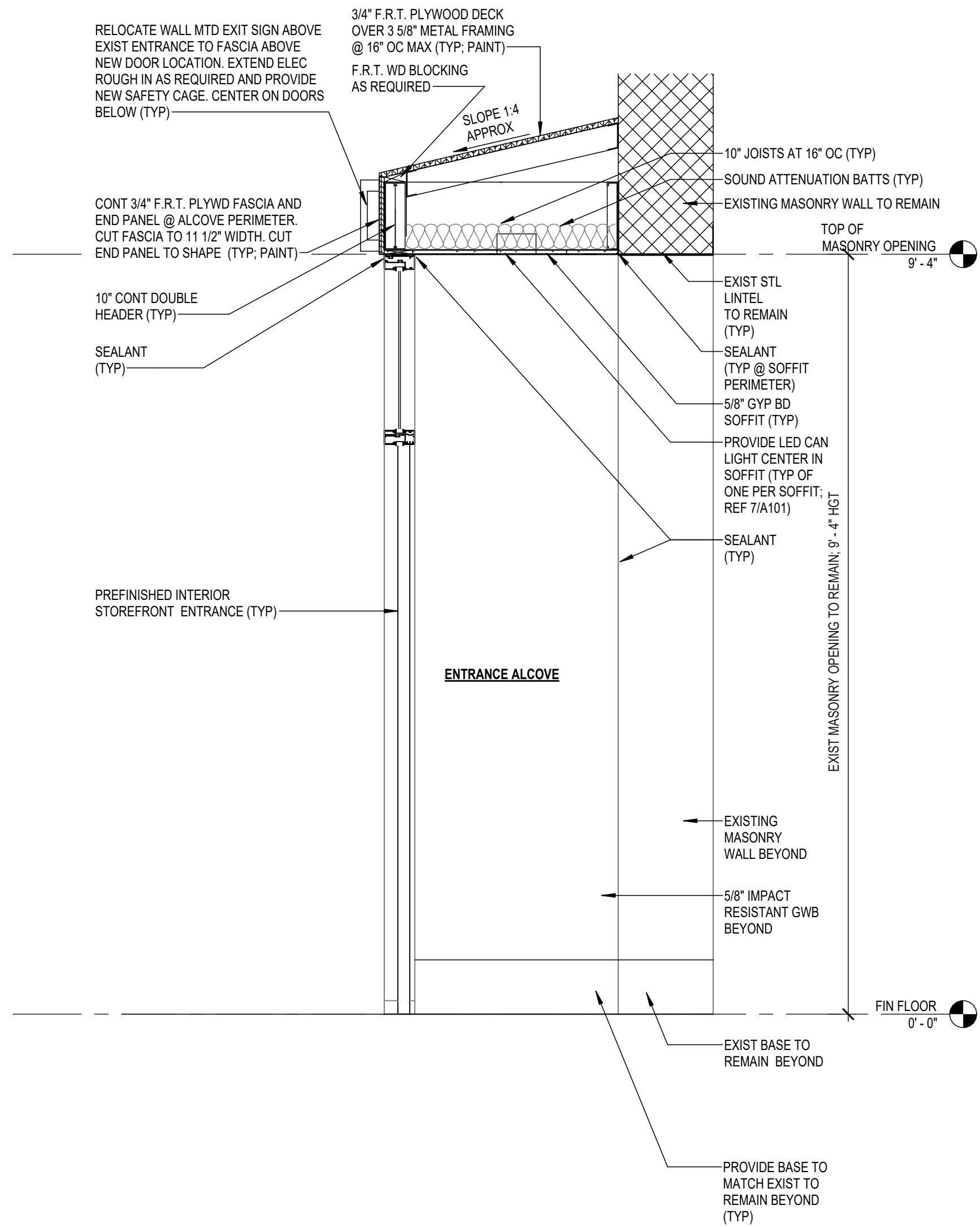


FLOOR PLAN GENERAL NOTES

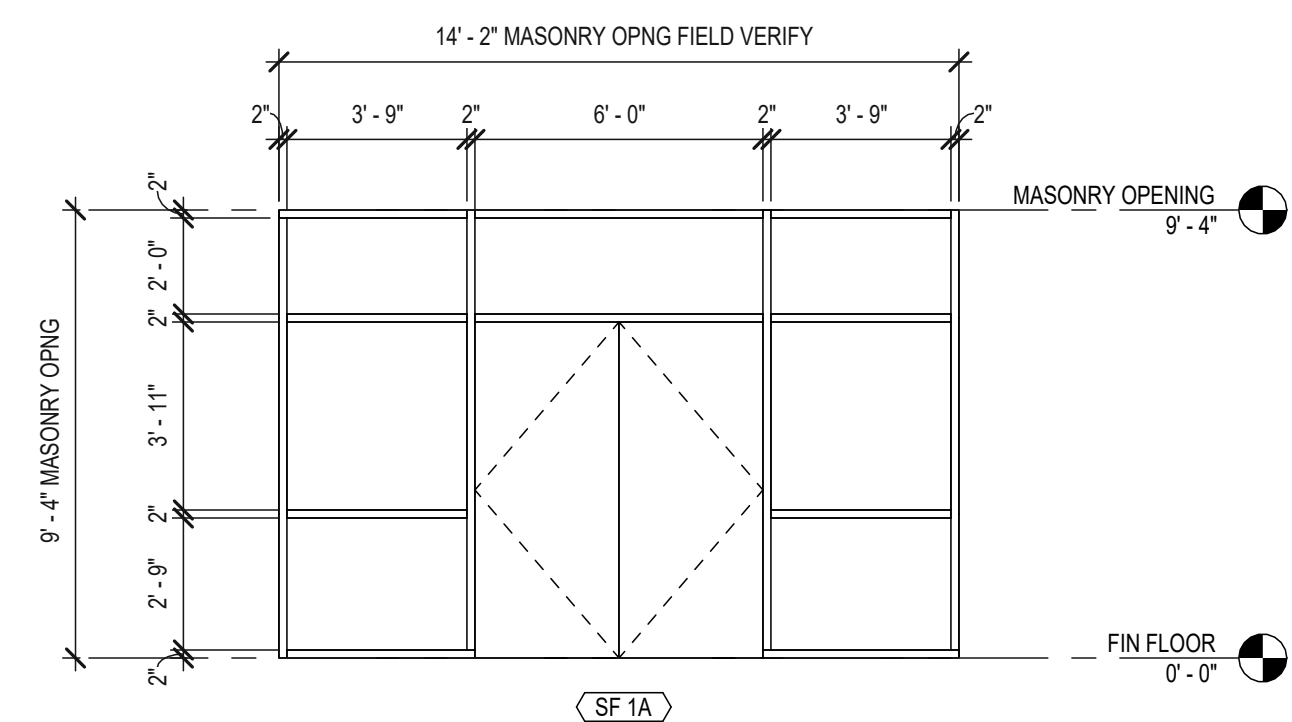
- GN-1: DIMENSION GUIDELINES:
- NEW CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FRAMING MEMBERS AT GWB, FACE OF MASONRY, AND CENTERLINE OF STRUCTURAL GRID UNL.O.
- EXISTING CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FINISH OF EXISTING WALLS TO REMAIN UNL.O.
- PLUMBING FIXTURES = PLAN DIMENSIONS ARE FROM FACE OF FINISH (GWB, TILE, ETC.) TO CENTERLINE OF FIXTURE.
- "CLEAR" = DIMENSIONS ARE TO FACE OF FINISH (GWB, TILE, ETC).
- GN-2: WHERE PARTITIONS OF DIFFERENT THICKNESSES ABUT OR ADJOIN IN THE SAME LOCATION, THE EXPOSED / FINISH FACES SHALL BE INSTALLED FLUSH / ALIGNED.

DOOR AND FRAME SCHEDULE														
OPENING NO./ DOOR MARK	DOOR			FIRE		FRAME				HWIRE SET	AO	CR	KEYNOTES	
	ELEV	PAIR	MATL	WIDTH	HEIGHT	RATING	ELEV	MATL	HEAD					JAMB
FIN FLOOR	1.1	SF	PAIR	ALUM	6'-0"	7'-0"	-	3/A101	AL					PANIC HWIRE, REMOVABLE MULLION
	1.2	SF	PAIR	ALUM	6'-0"	7'-0"	-	3/A101	AL					PANIC HWIRE, REMOVABLE MULLION



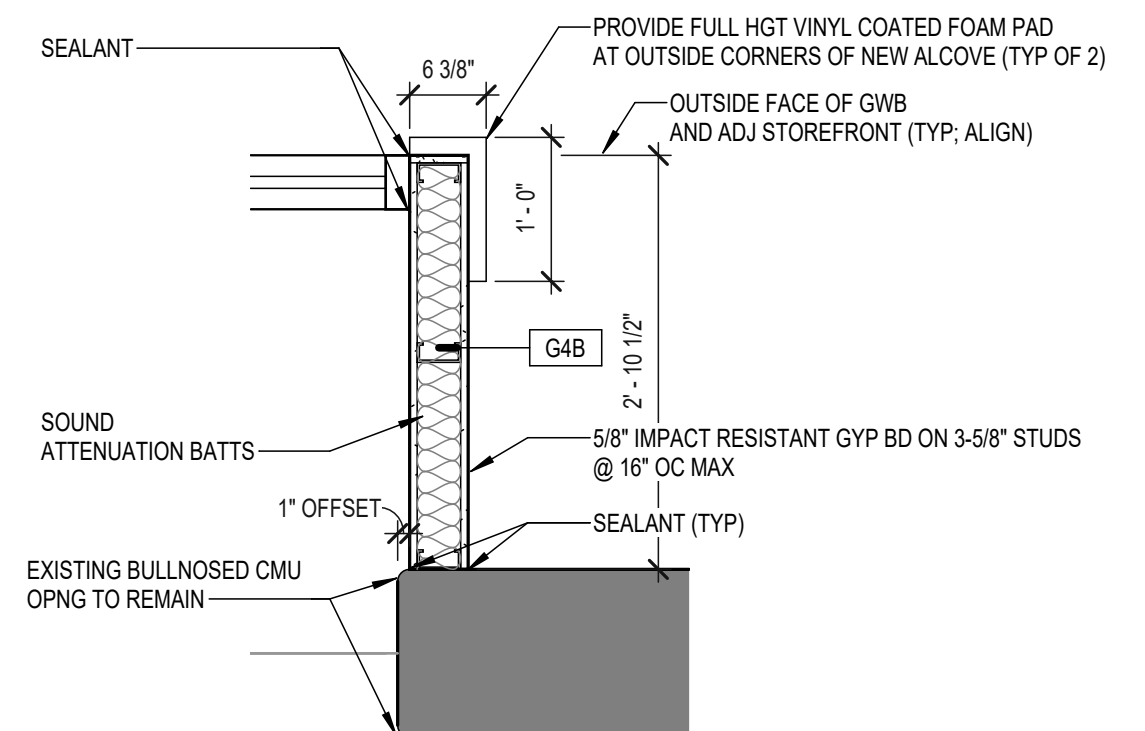
2 Section 1

A101 SCALE: 3/4" = 1'-0"
REF: A101



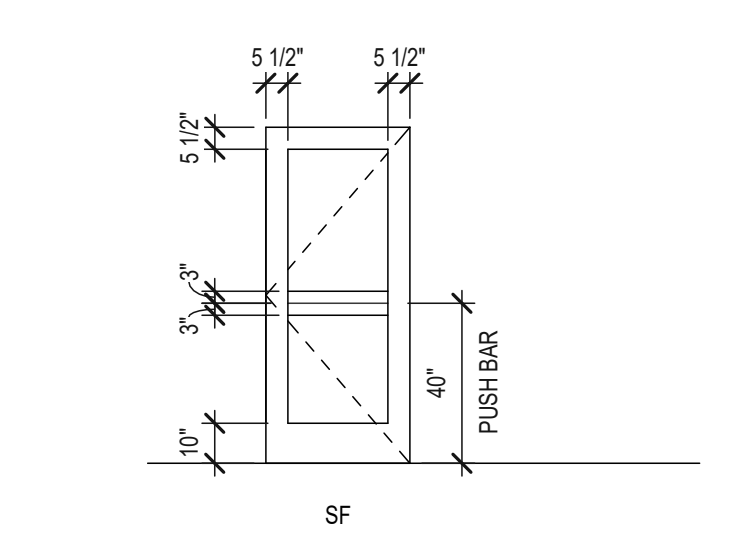
3 STOREFRONT ELEV

A101 SCALE: 1/4" = 1'-0"
REF: A101



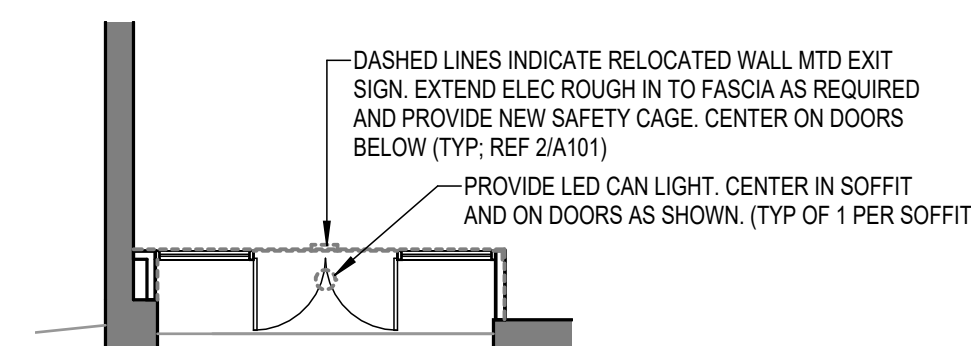
4 ENLARGED PLAN DETAIL

A101 SCALE: 3/4" = 1'-0"
REF: A101



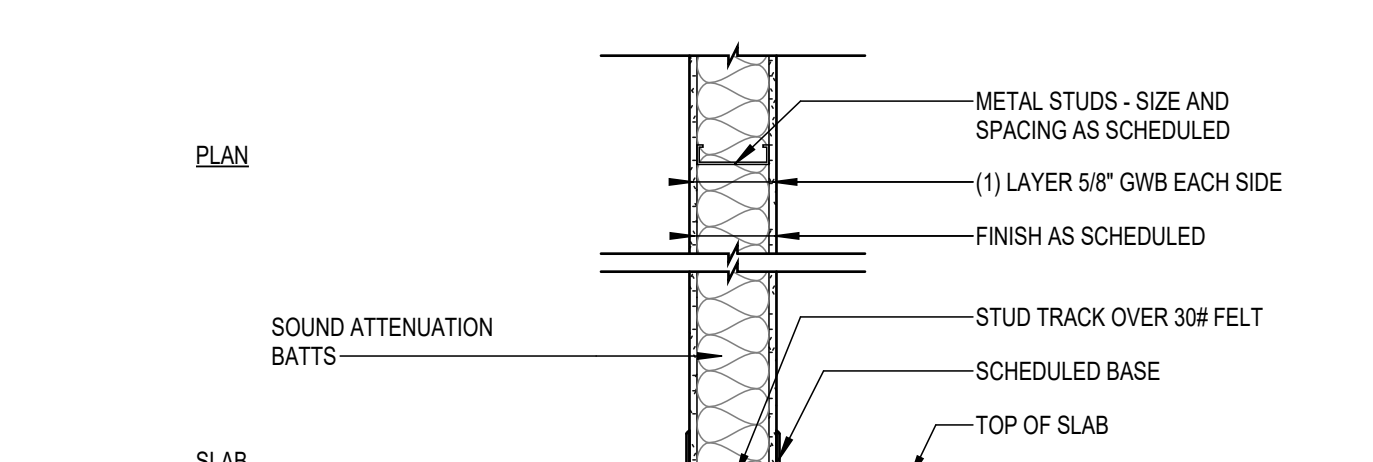
6 DOOR ELEVATION TYPES

A101 SCALE: 1/4" = 1'-0"

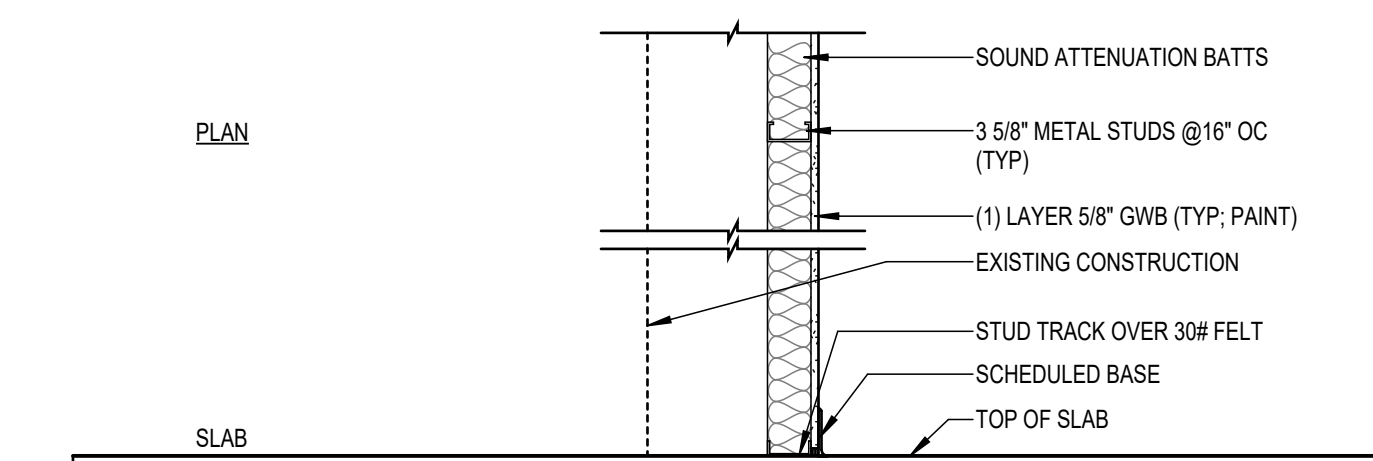


7 ELECTRICAL FLOOR PLAN

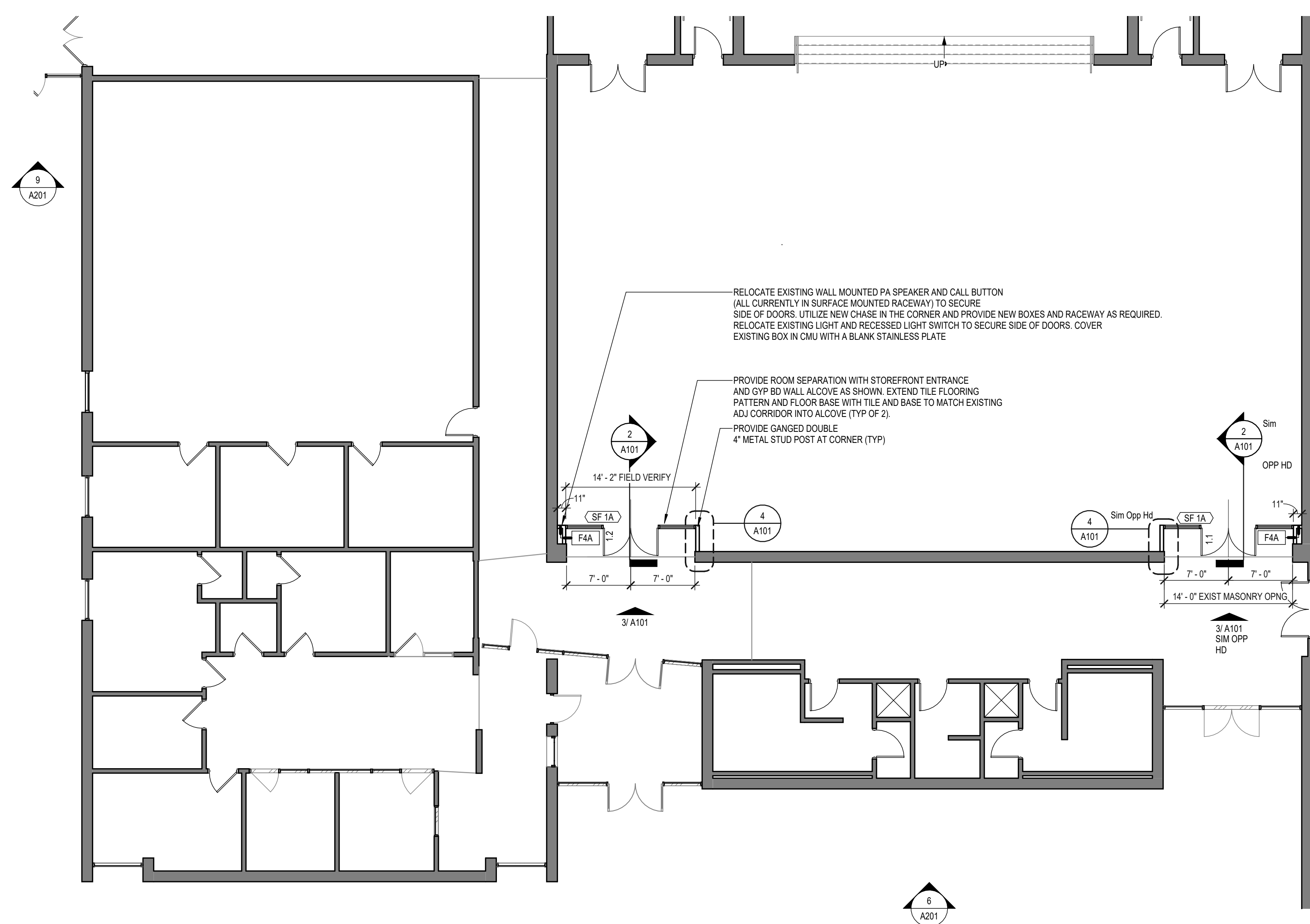
A101 SCALE: 1/8" = 1'-0"
REF: A101



G PARTITION TYPE										
ASSEMBLY TAG	TOTAL WIDTH	STRUCT. WIDTH	MIN. GAUGE	MAX. SPACING	LIMITING HEIGHT	UL NO.	FIRE RATING	TERMINATION DETAIL	KEYNOTES	
G4B	4'-7 1/2"	3'-5 1/2"	20	16"	-	-	-	-	-	-



F PARTITION TYPE										
ASSEMBLY TAG	TOTAL WIDTH	STRUCT. WIDTH	MIN. GAUGE	MAX. SPACING	LIMITING HEIGHT	UL NO.	FIRE RATING	TERMINATION DETAIL	KEYNOTES	
F4A	4'-1 1/4"	3'-5 1/2"	20	16"	6" ADV CLG	-	-	-	-	-



1 FLOOR PLAN

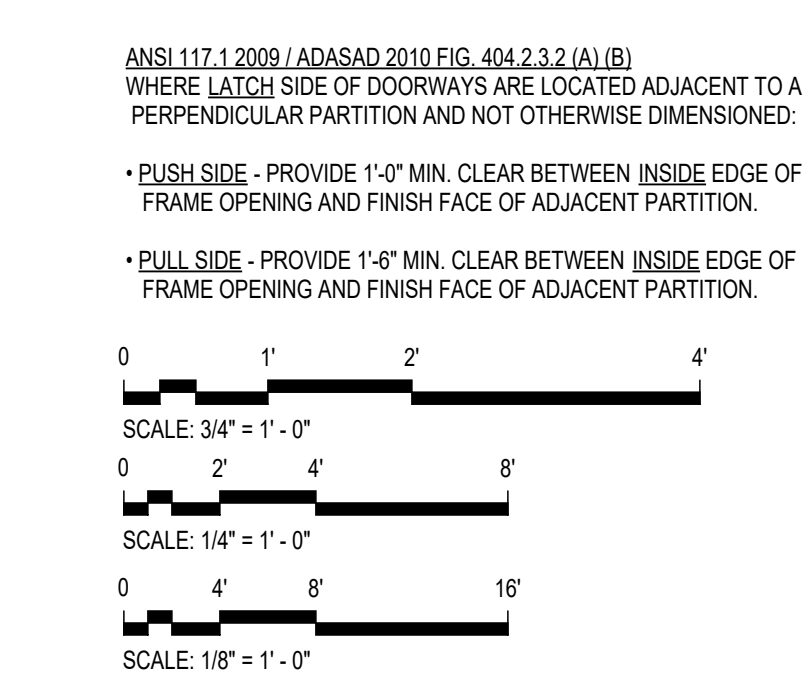
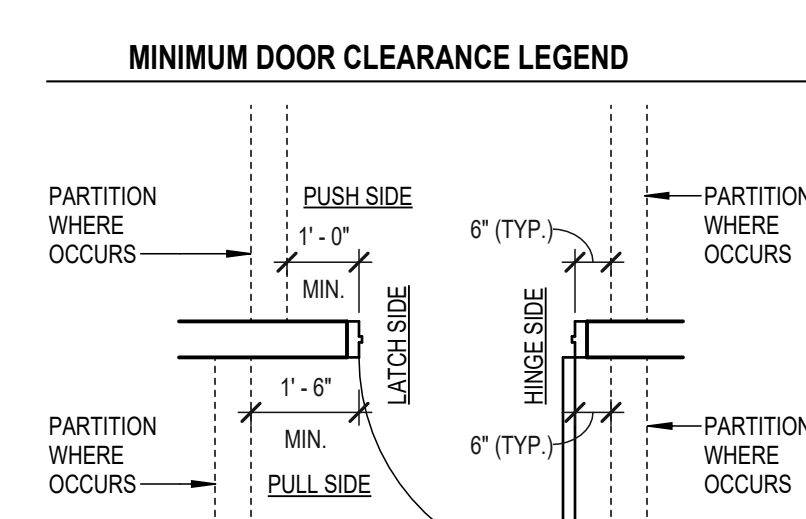
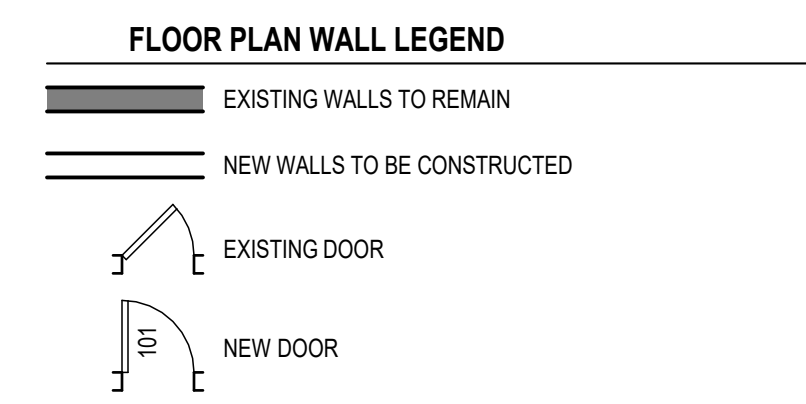
A101 SCALE: 1/8" = 1'-0"
REF: A101

DEMOLITION NOTES

- REMOVE FINISHED FLOOR MATERIAL AND BASE IN GYMNASIUM AS REQUIRED FOR PLACEMENT OF NEW STOREFRONT AND GYP BD SEPARATION WALLS AS SHOWN. PRESERVE GYM FLOOR AT GYM INTERIOR (TYP)
- REMOVE FLOOR TILE IN CORRIDOR AS REQUIRED TO EXTEND THE EXISTING TILE PATTERN INTO THE NEW ALCOVES (TYP)

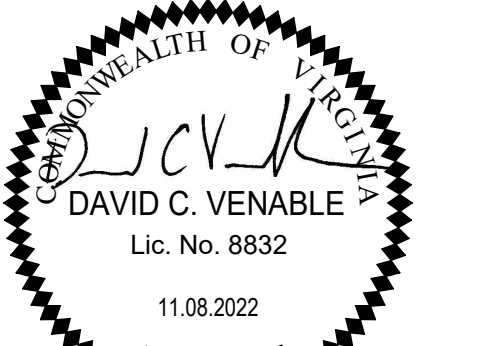
CONSTRUCTION NOTES

- PROVIDE FLOOR TILE IN CORRIDOR TO MATCH EXISTING. EXTEND FLOOR TILE PATTERN INTO THE NEW ALCOVES (TYP)



RENOVATIONS TO
MONTEREY ELEMENTARY SCHOOL
ROANOKE CITY PUBLIC SCHOOLS

SPECTRUM DESIGN PROJECT NO.: 22034

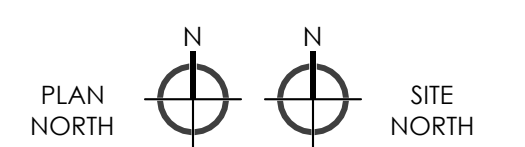


PROJ. MGR.: DCV CHECKED BY: DCV DRAWN BY: DGM, ZRB

SHEET ISSUE DATE: 11.08.2022

PROJECT PHASE: CONTRACT DOCUMENTS

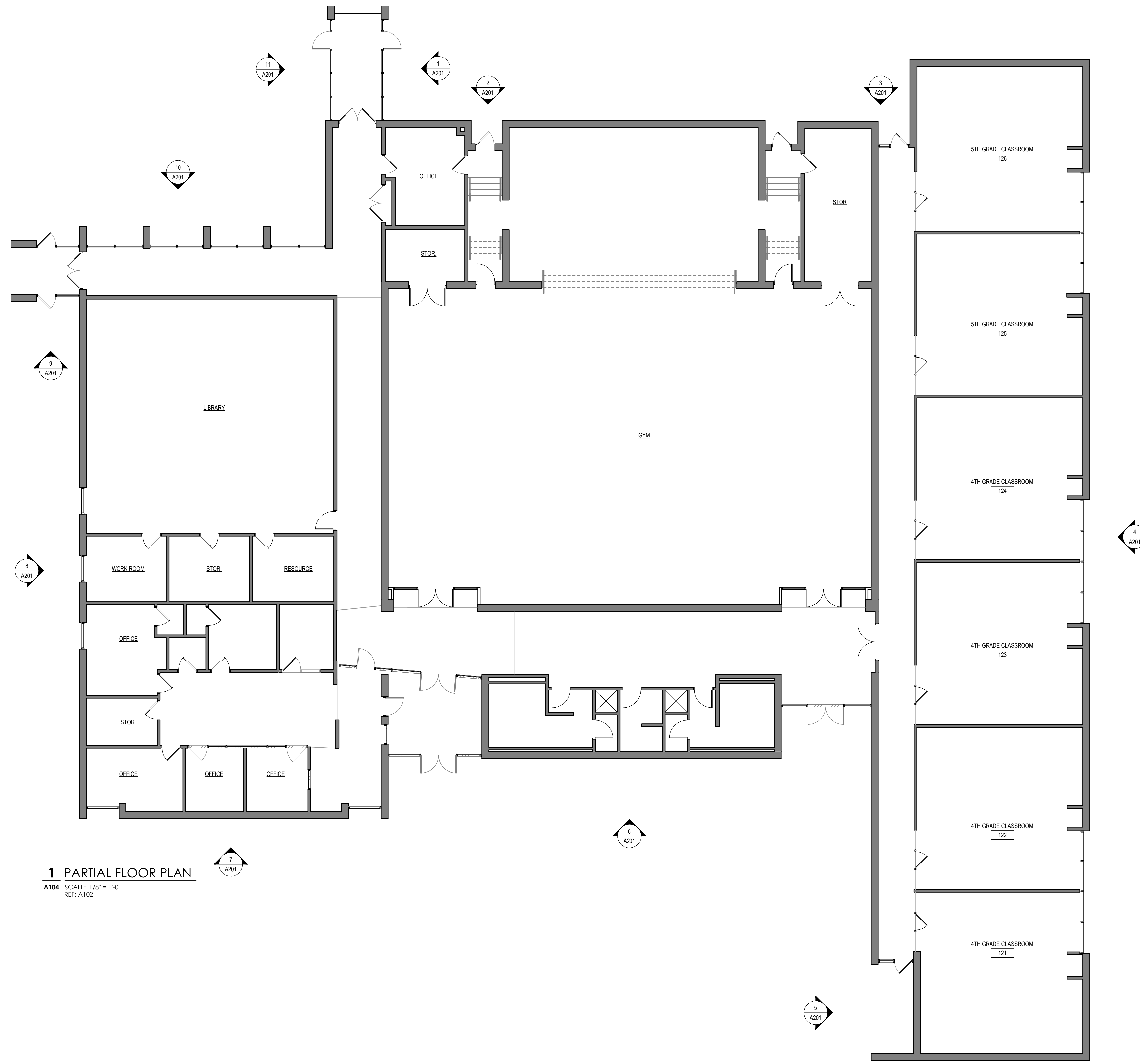
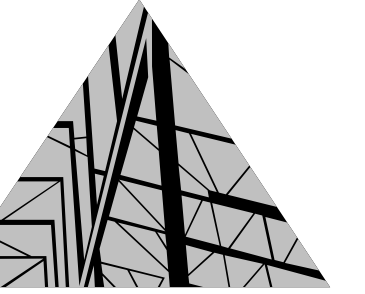
SHEET REVISIONS:



SHEET NUMBER: **GYMNASIUM DOORS FLOOR PLAN**

SHEET NUMBER:

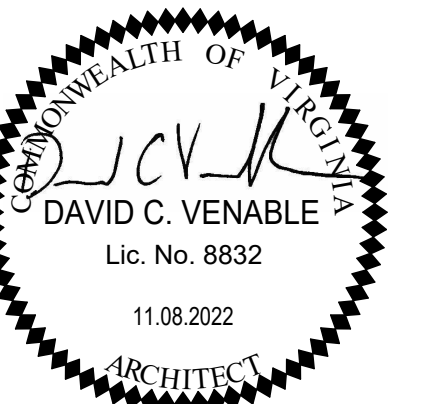
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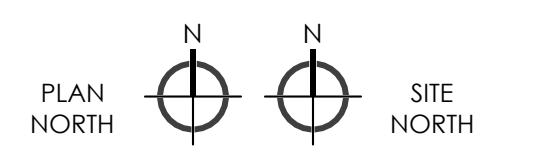
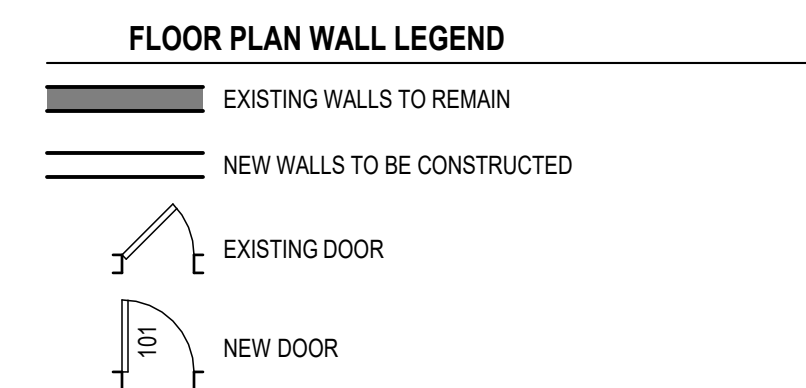
1 PARTIAL FLOOR PLAN
A104 SCALE: 1/8" = 1'-0"
REF: A102

**RENOVATIONS TO
MONTEREY ELEMENTARY
SCHOOL**
ROANOKE CITY PUBLIC SCHOOLS

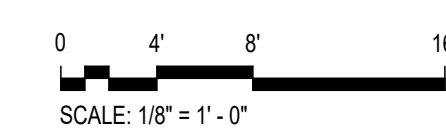
SPECTRUM DESIGN PROJECT NO.: 22034



PROJ. MGR.: DCV CHECKED BY: DCV DRAWN BY: DGM, ZRB
SHEET ISSUE DATE: 11.08.2022
PROJECT PHASE: CONTRACT DOCUMENTS
SHEET REVISIONS:



SHEET NAME:
**EXTERIOR FASCIA
PARTIAL FLOOR PLAN**



SHEET NUMBER:
A104

EXTERIOR ELEVATION KEYNOTES
A1: EXISTING GRAVEL STOP TO REMAIN
A2: METAL PANEL ATTACHED TO CLIPS OVER NEW SHEET MEMBRANE

RENOVATIONS TO
MONTEREY ELEMENTARY SCHOOL
ROANOKE CITY PUBLIC SCHOOLS

SPECTRUM DESIGN PROJECT NO.: 22034

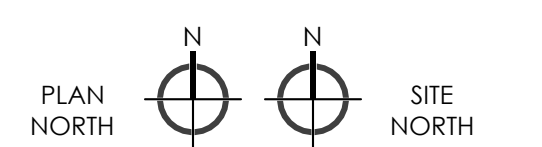


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CHECKED BY: DCV
DRAWN BY: DGM, ZRB

SHEET ISSUE DATE:
11.08.2022

PROJECT PHASE:
CONTRACT DOCUMENTS

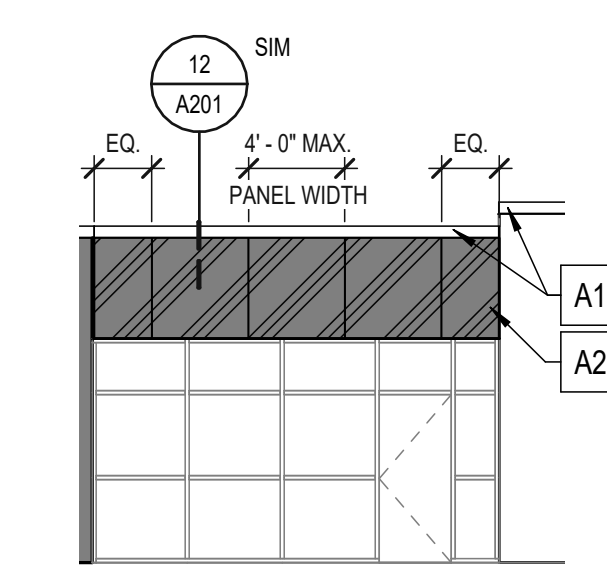
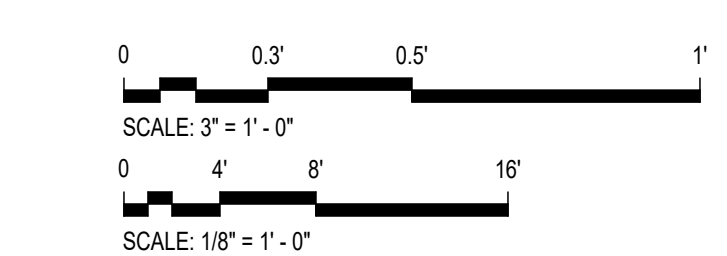
SHEET REVISIONS:



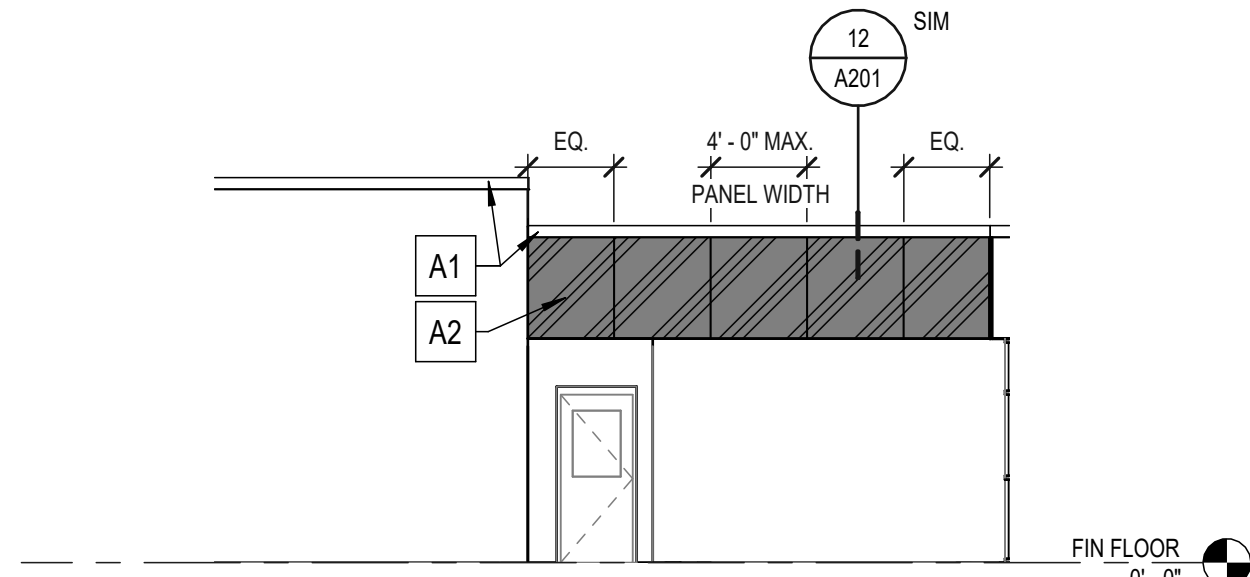
SHEET NAME:
**EXTERIOR FASCIA
EXTERIOR ELEVATIONS
& DETAIL**

SHEET NUMBER:

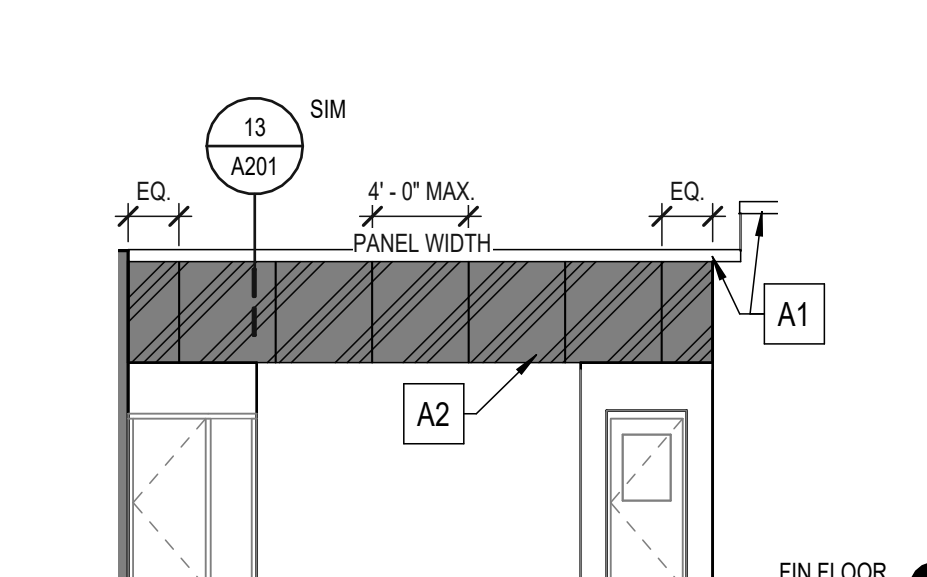
A201



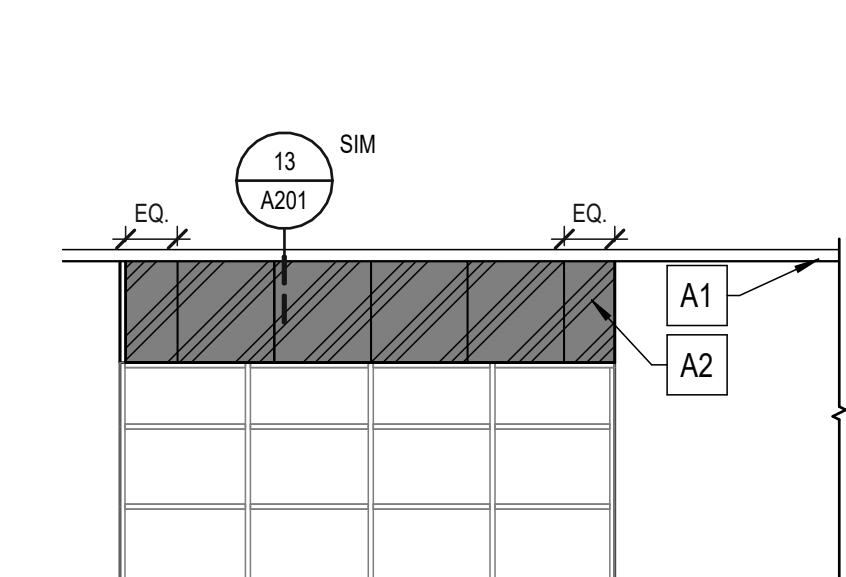
1 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



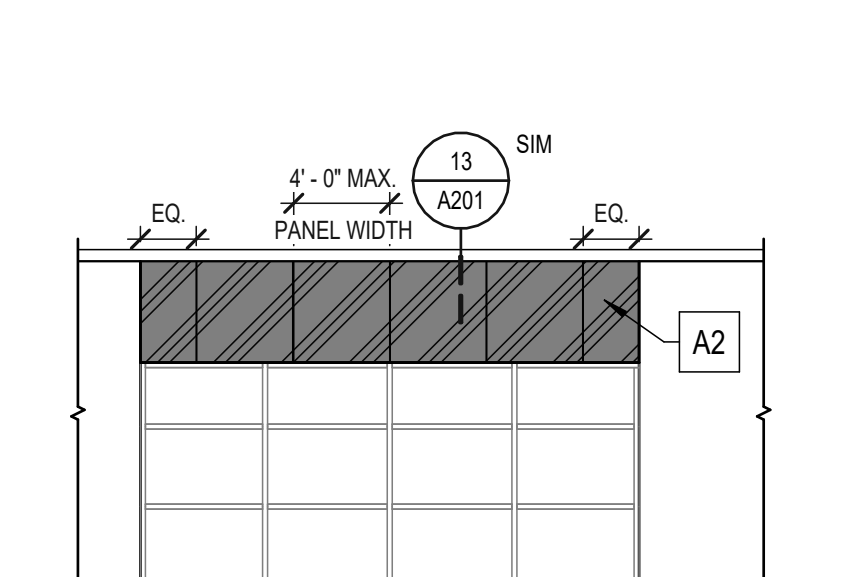
2 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



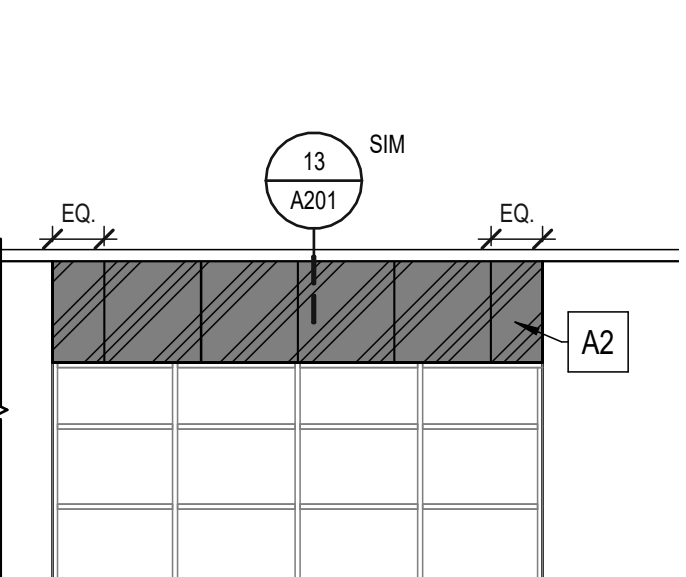
3 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"
REF: A102



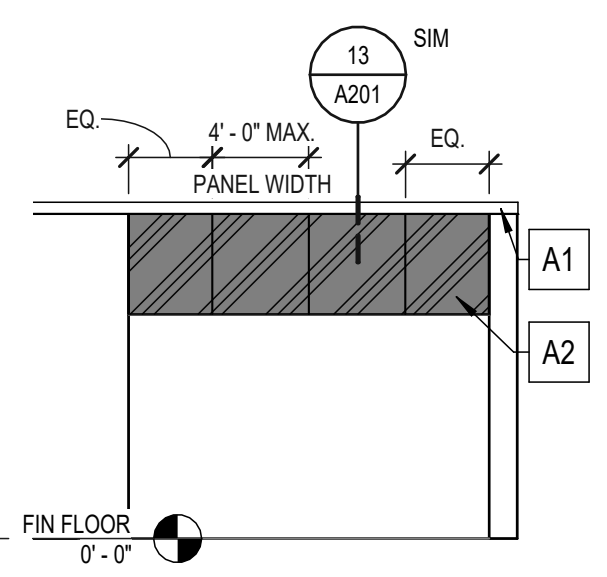
4 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



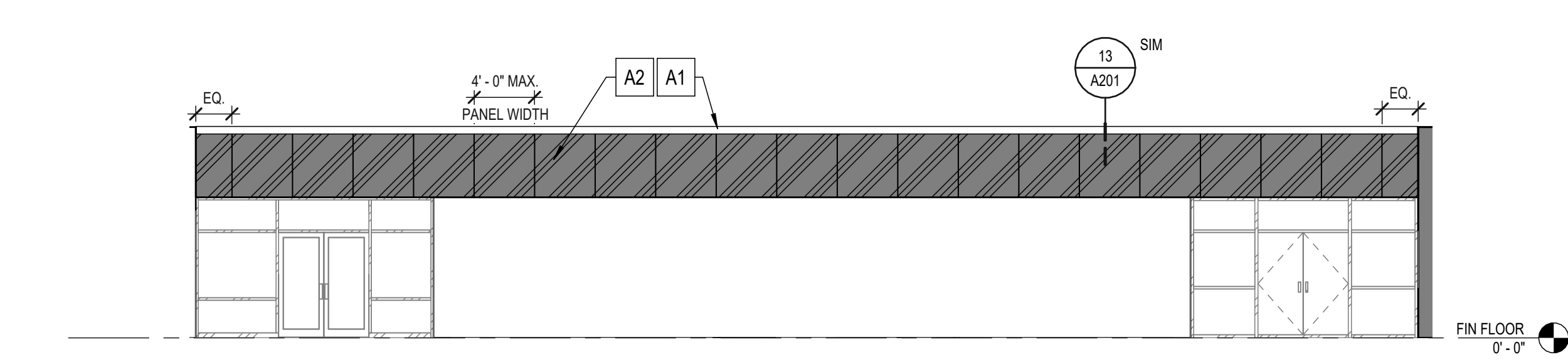
5 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



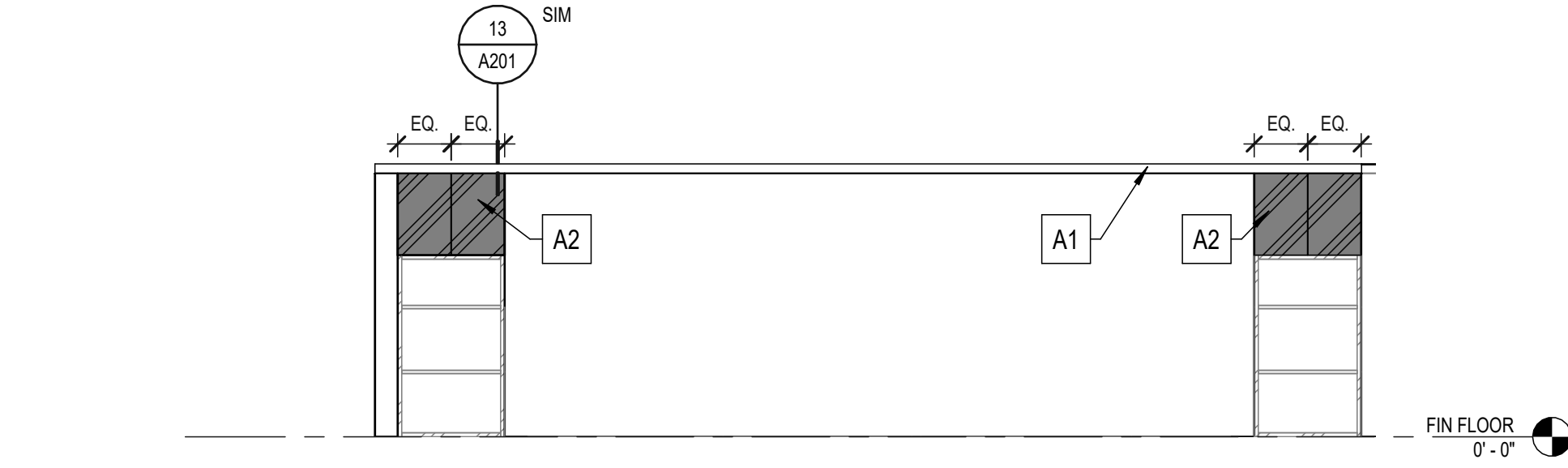
6 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



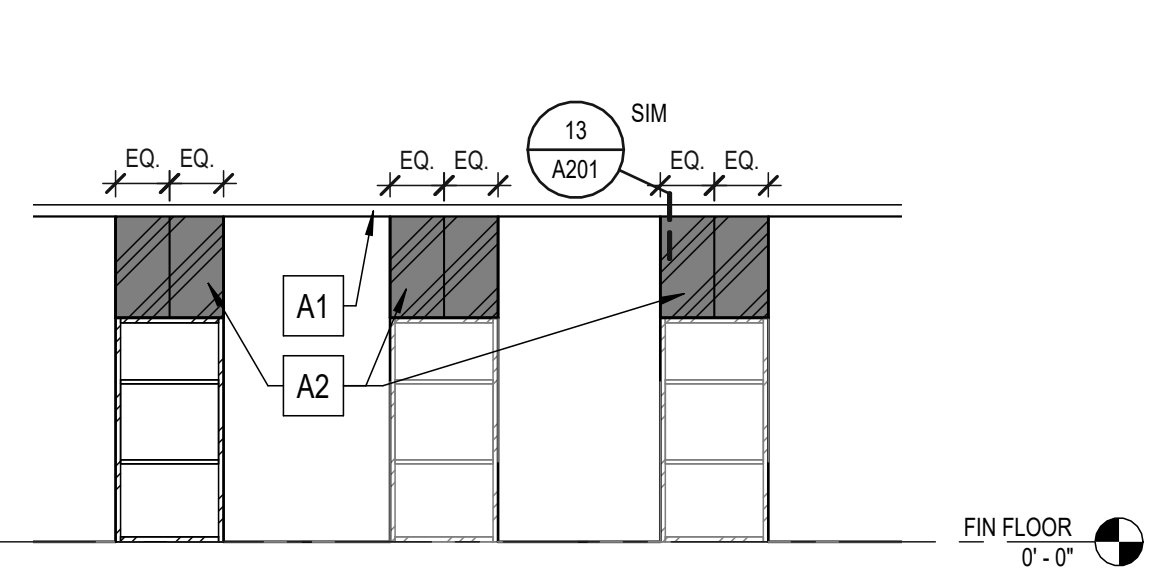
7 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



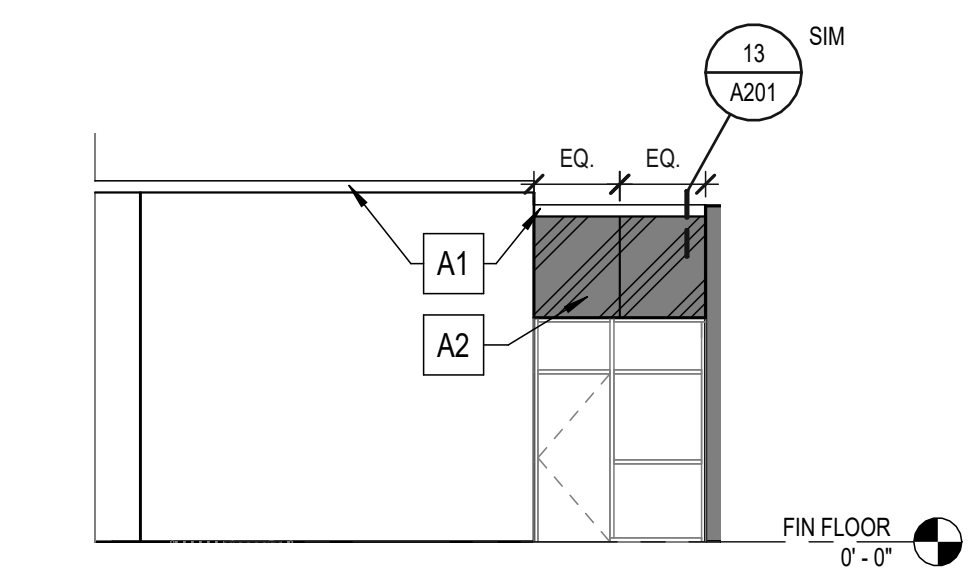
8 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



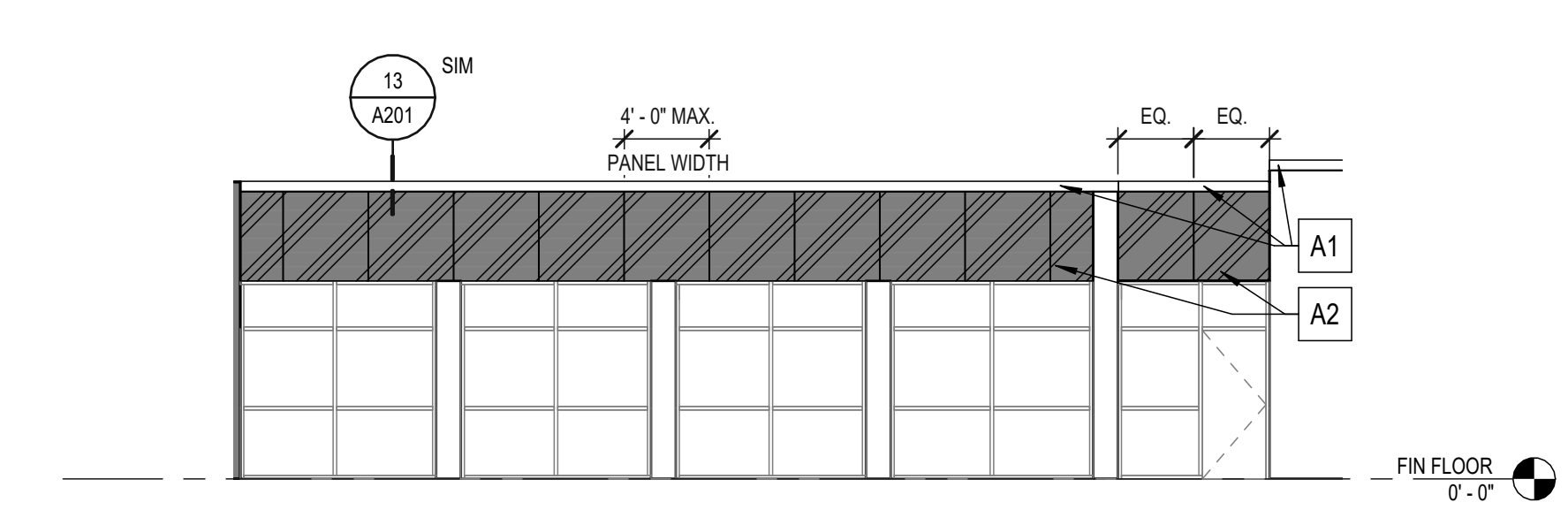
9 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



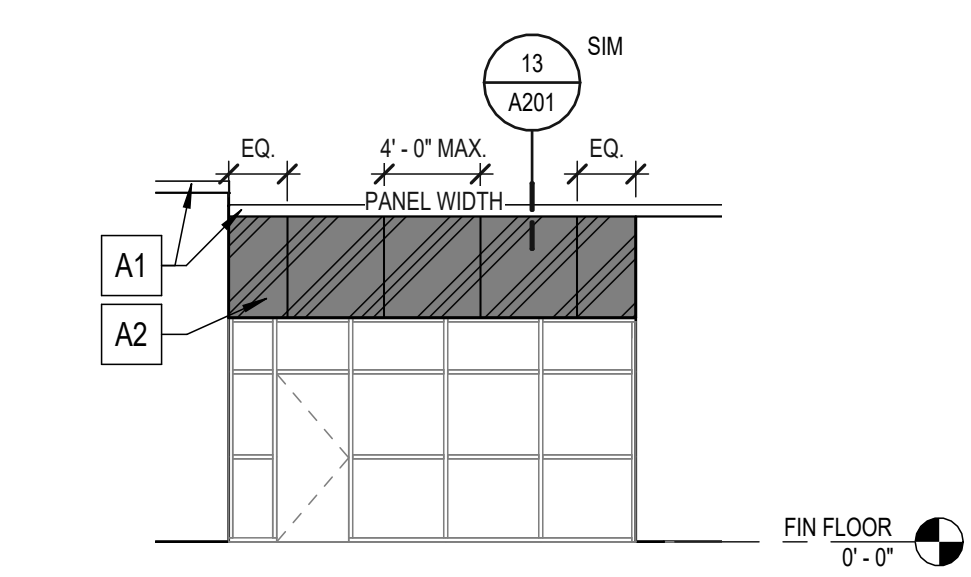
10 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



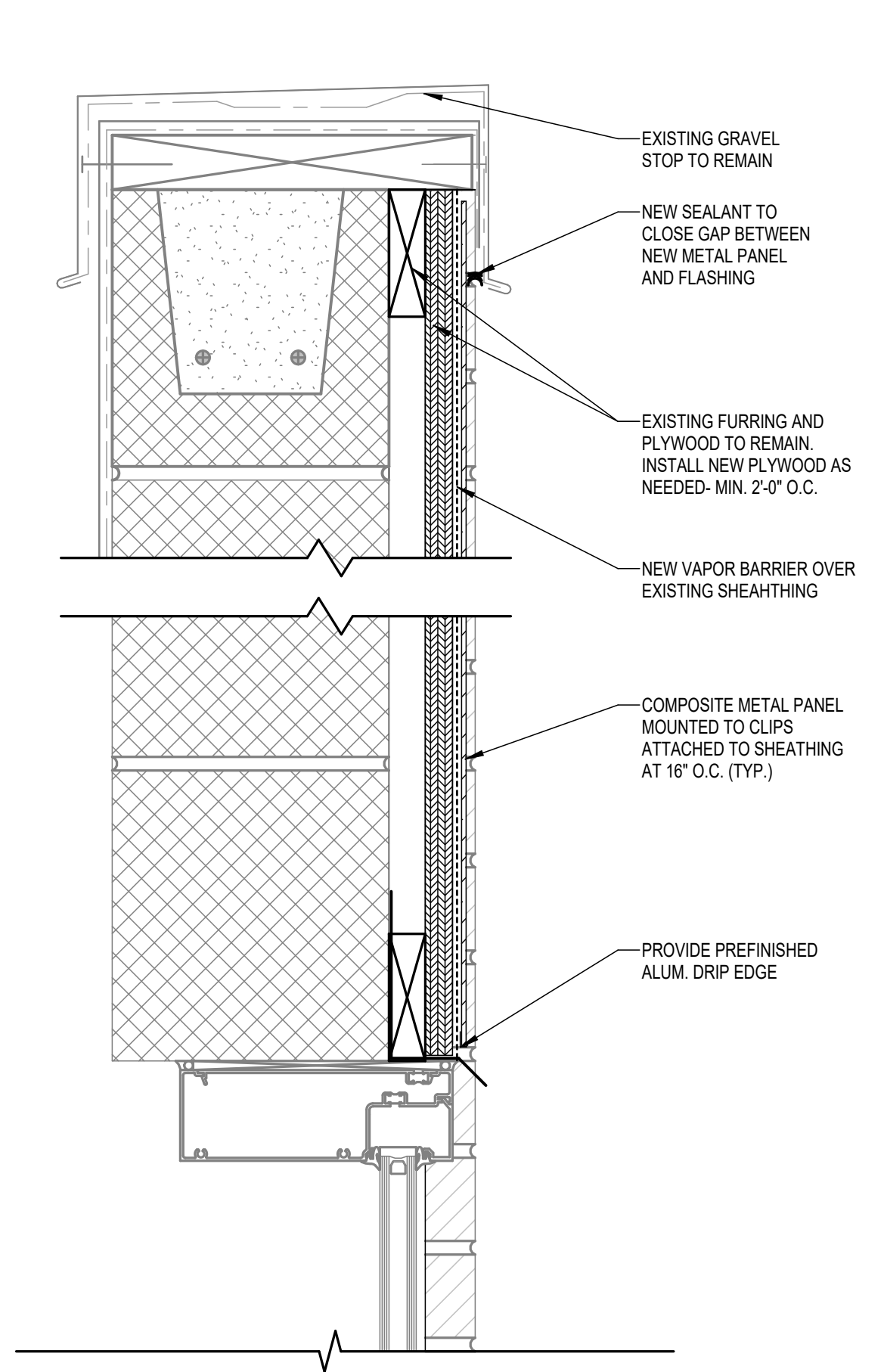
11 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



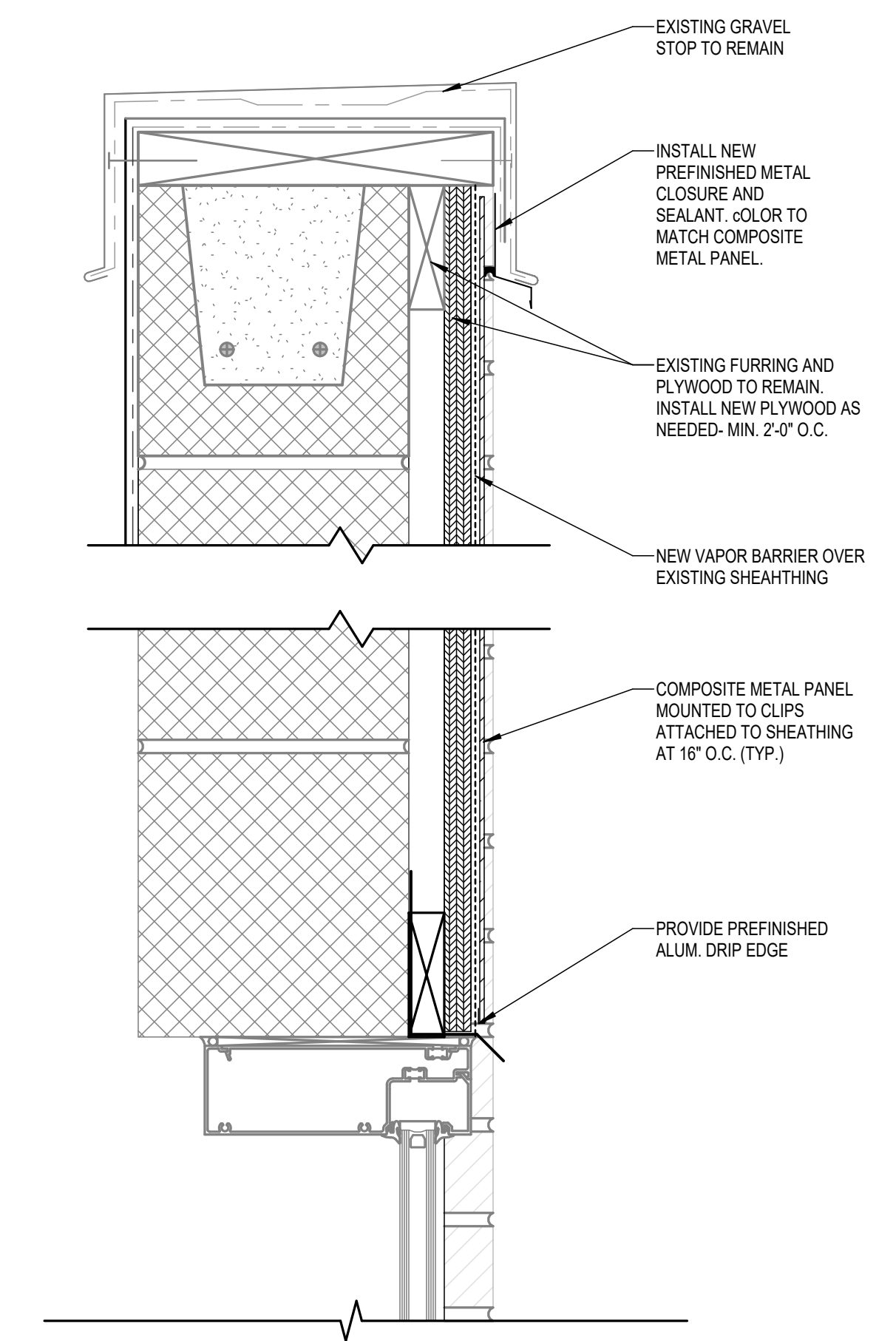
12 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



13 ELEVATION @ NEW PANEL
A201 SCALE: 1/8" = 1'-0"



12 DETAIL @ METAL PANEL
A201 SCALE: 3" = 1'-0"
REF: A201



13 DETAIL @ METAL PANEL
A201 SCALE: 3" = 1'-0"
REF: A201

SECTION 01 73 10 - CUTTING AND PATCHING

- PART 1 - GENERAL
 - 1.1 DEFINITIONS
 - A. CUTTING: REMOVAL OF IN-PLACE CONSTRUCTION NECESSARY TO PERMIT INSTALLATION OR PERFORMANCE OF OTHER WORK.
 - B. PATCHING: FITTING AND REPAIR WORK REQUIRED TO RESTORE SURFACES TO ORIGINAL CONDITIONS AFTER INSTALLATION OF OTHER WORK.
- PART 2 - PRODUCTS
 - 2.1 MATERIALS
 - A. GENERAL: USE MATERIALS IDENTICAL TO IN-PLACE MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH IN-PLACE ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE.
- PART 3 - EXECUTION
 - 3.1 PREPARATION
 - A. TEMPORARY SUPPORT: PROVIDE TEMPORARY SUPPORT OF WORK TO BE CUT.
 - B. PROTECTION: PROTECT IN-PLACE CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.
 - 3.2 PERFORMANCE
 - A. CUT IN-PLACE CONSTRUCTION TO PROVIDE FOR INSTALLATION OF OTHER COMPONENTS OR PERFORMANCE OF OTHER CONSTRUCTION, AND SUBSEQUENT PATCHING AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
 - B. CUTTING: CUT IN-PLACE CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER. COMPLY WITH INSTALLER'S WRITTEN RECOMMENDATIONS.
 - C. PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTIONS.
 - D. CLEANING: CLEAN AREAS AND SPACES WHERE CUTTING AND PATCHING ARE PERFORMED. COMPLETELY REMOVE PAINT, MORTAR, OILS, PUTTY, AND SIMILAR MATERIALS.

END OF SECTION

SECTION 01 60 50 - MISCELLANEOUS CARPENTRY

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. SECTION INCLUDES:
 - 1. WOOD DIMENSION LUMBER.
 - 2. WOOD BLOCKING AND NAILERS.
 - 3. PLYWOOD BACKING PANELS.
- PART 2 - PRODUCTS
 - 2.1 WOOD PRODUCTS, GENERAL
 - A. LUMBER: DOC'S 20 AND APPLICABLE RULES OF GRADING AGENCIES INDICATED.
 - 2.2 WOOD PRESERVATIVE-TREATED MATERIALS
 - A. PRESERVATIVE TREATMENT BY PRESSURE PROCESS: ANPA C2.
 - 2.3 FIRE-RETARDANT-TREATED MATERIALS
 - A. GENERAL: COMPLY WITH PERFORMANCE REQUIREMENTS IN ANPA C20 (LUMBER) AND ANPA C27 (PLYWOOD).
 - 2.4 FASTENERS
 - A. GENERAL: PROVIDE FASTENERS OF SIZE AND TYPE INDICATED THAT COMPLY WITH REQUIREMENTS FOR MATERIAL AND MANUFACTURE.
 - 1. WHERE CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, PRESSURE-PRESERVATIVE TREATED, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A 153A 135M.
- PART 3 - EXECUTION
 - 3.1 INSTALLATION, GENERAL
 - A. SET CARPENTRY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB, TRUE TO LINE, CUT, AND FITTED. FIT CARPENTRY TO OTHER CONSTRUCTION, SCRIBE AND COPE AS NEEDED FOR ACCURATE FIT. LOCATE NAILERS, BLOCKING, AND SIMILAR SUPPORTS TO COMPLY WITH REQUIREMENTS FOR ATTACHING OTHER CONSTRUCTION.

END OF SECTION

SECTION 07 43 10 - METAL COMPOSITE PANELS

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. SECTION INCLUDES: ALUMINUM-FACED COMPOSITE PANELS, ATTACHMENTS, AND SEALANTS
- 1.2 SUBMITTALS
 - A. PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:
 - 1. PREPARATION INSTRUCTIONS AND RECOMMENDATIONS.
 - 2. STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS.
 - 3. INSTALLATION METHODS.
 - B. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS SHOWING LAYOUT, FLASHINGS, DRAINAGE, VENTILATION, VAPOR BARRIERS, VAPOR RETARDERS, PROFILES AND PRODUCT COMPONENTS, INCLUDING ANCHORAGE, ACCESSORIES, FINISH COLORS, PATTERNS AND TEXTURES.
 - C. SELECTION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, A COMPLETE SET OF COLOR CHIPS REPRESENTING MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS AND PATTERNS.
- 1.3 WARRANTY
 - A. FINISH WARRANTY: COMMENCING ON DATE OF SUBstantial COMPLETION
 - 1. PROVIDE 20 YEAR WRITTEN WARRANTY WITH PVDF FLUOROPOLYMER FINISH COLOR COATED METAL FINISH COVERING COLOR FADING, CHALKING, AND FILM INTEGRITY.
 - 2. FINISH COATING SHALL NOT PEEL, BLISTER, CHIP, CRACK OR CHECK.
 - 3. CHALKING, FADING OR EROSION OF FINISH MEASURED BY THE FOLLOWING TESTS:
 - a. FINISH COATING SHALL NOT CHALK IN EXCESS OF 9 NUMERICAL RATINGS WHEN MEASURED IN ACCORDANCE WITH ASTM D659.
 - b. FINISH COATING SHALL NOT CHANGE COLOR OR FADE IN EXCESS OF 9 NBS UNITS AS DETERMINED BY ASTM D2244.
 - B. MATERIAL AND INSTALLATION WARRANTY: COMMENCING ON DATE OF SUBstantial COMPLETION
 - 1. PANELS COVERED BY THIS WARRANTY ARE WARRANTED NOT TO DELAMINATE (SEPARATE) FOR A PERIOD OF FIVE YEARS.
- PART 2 - PRODUCTS
 - 2.1 MANUFACTURERS
 - A. MANUFACTURERS SHALL INCLUDE, BUT ARE NOT LIMITED TO:
 - 1. LAMINATORS (BASIS OF DESIGN)
 - 2.2 OMEGA-LITE ALUMINUM-FACED COMPOSITE PANELS
 - A. OMEGA-LITE COMPOSITE PANELS AS MANUFACTURED BY LAMINATORS INCORPORATED (BASIS OF DESIGN).
 - 1. PANEL CONSTRUCTION: PREFINISHED ALUMINUM SHEET OVER A CORRUGATED POLYALUMINER (CPA) CORE WITH BACKER SHEET.
 - 2. PANEL FACING: SMOOTH FACE, 0.032 INCH (0.8 MM) THICK, ASTM B209 ALUMINUM SHEET.
 - 3. PANEL BACKING: RANDOM PAINTED ALUMINUM SHEET, 0.015 INCHES (0.381 MM) THICK, ASTM B209 ALUMINUM SHEET.
 - 4. PANEL THICKNESS: 8 MM (1/4 INCH).
 - 5. FIRE TEST PERFORMANCE: ASTM E84, CLASS A.
 - 6. BOND TEST PERFORMANCE: ASTM C481-A, CYCLIC AGING, PASS.
 - 7. FINISH: KYNAR 500 - PVDF FLUOROPOLYMER PAINT SYSTEM MEETING ANPA 2005.
 - 8. FINISH COLORS: TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
- 2.3 ACCESSORIES
 - A. MANUFACTURER'S SEALANTS AND ACCESSORIES: PROVIDE MANUFACTURER'S RECOMMENDED SEALANTS AND ACCESSORIES FOR PRODUCT INSTALLATION.
 - B. FLASHING: FABRICATE FLASHING MATERIALS FROM 0.030 INCH (0.76 MM) MINIMUM THICKNESS ALUMINUM SHEET PAINTED TO MATCH THE ADJACENT CURTAIN WALL/PANEL SYSTEM WHERE EXPOSED. PROVIDE A 12 INCH (305 MM) WIDE LAP STRAP UNDER THE FLASHING AT ABUTTED CONDITIONS AND SEAL LAPPED SURFACES WITH A FULL BED OF NON-HARDENING SEALANT.
 - C. ATTACHMENT: ZEE CLIPS.
- PART 3 - EXECUTION
 - 3.1 INSTALLATION
 - A. COMPLY WITH MANUFACTURER'S INSTALLATION GUIDES AND PRODUCT DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOG INSTALLATION INSTRUCTIONS, AND PRODUCT CARTON INSTRUCTIONS FOR INSTALLATION TYPE SELECTED.
 - B. WORK SHALL BE DONE AND COMPLETED IN A THOROUGH AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THEIR VARIOUS TRADES.
 - C. FLASHING AND TRIM: COMPLY WITH PERFORMANCE REQUIREMENTS, MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AND SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL."

END OF SECTION

SECTION 08 41 13 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. THIS SECTION INCLUDES EXTERIOR AND INTERIOR ALUMINUM-FRAMED STOREFRONTS.
- 1.2 SUBMITTALS
 - A. PRODUCT DATA: INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, AND FINISHES FOR EACH TYPE OF PRODUCT INDICATED.
 - B. SHOP DRAWINGS: FOR ALUMINUM-FRAMED SYSTEMS, INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK.
- 1.3 WARRANTY
 - A. SPECIAL FINISH WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS ON WHICH FINISHES FAIL WITH SPECIFIED WARRANTY PERIOD. WARRANTY DOES NOT INCLUDE NORMAL WEATHERING.
 - 1. WARRANTY PERIOD: 10 YEARS FROM DATE OF SUBstantial COMPLETION.
- PART 2 - PRODUCTS
 - 2.1 MANUFACTURERS
 - A. BASIS-OF-DESIGN PRODUCT - STOREFRONT: CENTER GLAZED, 2' X 4 1/2' NON-THERMAL SYSTEM INTERIOR FRAMES, AS MANUFACTURED BY:
 - 1. KAWNEER - 450 (BASIS OF DESIGN)
 - 2. EFCO
 - 3. VISTAWALL ARCHITECTURAL PRODUCTS
 - 4. WYK AF AMERICA INC.
 - 2.2 MATERIALS
 - A. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED.
 - 1. SHEET AND PLATE: ASTM B209
 - 2. EXTRUDED BARS, RODS, PROFILES, AND TUBES: ASTM B 221
 - 3. EXTRUDED STRUCTURAL PIPE AND TUBES: ASTM B 429
 - 4. STRUCTURAL PROFILES: ASTM B 308B 308M
- 2.3 DOORS
 - A. DOORS: MANUFACTURER'S STANDARD GLAZED DOORS, FOR MANUAL SWING OPERATION
 - 1. DOOR CONSTRUCTION: 1 1/2" THICKNESS WITH A MINIMUM WALL THICKNESS OF 0.125", EXTRUDED-ALUMINUM TUBULAR RAIL AND STILE MEMBERS. MECHANICALLY FASTEN CORNERS WITH REINFORCING BRACKETS THAT ARE DEEP PENETRATION AND FILED WELDED OR THAT INCORPORATE CONCEALED THE RODS. COORDINATE DOOR DESIGN WITH HARDWARE REQUIREMENTS.
 - B. DOOR HARDWARE
 - A. GENERAL: PROVIDE HEAVY-DUTY UNITS IN SIZES AND TYPES RECOMMENDED BY ENTRANCE SYSTEM AND HARDWARE MANUFACTURERS FOR ENTRANCES AND USES INDICATED.
 - B. SCHEDULED DOOR HARDWARE: PROVIDE DOOR HARDWARE ACCORDING TO THE DOOR HARDWARE AS SCHEDULED IN DIVISION 8 SECTION "DOOR HARDWARE" UNLESS NOTED OTHERWISE.
 - C. STRIKES: PROVIDE STRIKE WITH STEEL PLASTIC DUST BOX FOR EACH LATCH OR LOCK BOLT, FABRICATED FOR ALUMINUM FRAMING.
 - D. PUSHES AND PULLS: 1" DIA. BRUSHED ALUMINUM, WITH A PAIR OF DOORS HAVING EXIT DEVICES THERE WILL BE ONE PULL ON THE EXTERIOR, INTERIOR DOORS WITHOUT PANIC HARDWARE WILL HAVE A TOTAL OF ONE PUSH BARS ON THE INTERIOR AND ONE PULL ON THE EXTERIOR.
 - E. WEATHER STRIPPING: MANUFACTURER'S STANDARD REPLACEABLE COMPONENTS, WHERE INDICATED IN THE DOOR HARDWARE SCHEDULE.
 - F. WEATHER SWEEPS: MANUFACTURER'S STANDARD EXTERIOR DOOR BOTTOM SWEEP WITH CONCEALED FASTENERS ON MOUNTING STRIP, FINISH SHALL MATCH DOOR.
- 2.5 ALUMINUM FINISHES
 - A. GENERAL: COMPLY WITH NAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" FOR RECOMMENDATIONS FOR APPLYING AND DESIGNATING FINISHES.
 - B. FINISH DESIGNATIONS PREFIXED BY AA COMPLY WITH THE SYSTEM ESTABLISHED BY THE ALUMINUM ASSOCIATION FOR DESIGNATING ALUMINUM FINISHES.
 - C. FINISH SELECTION: KYNAR 500.

END OF SECTION

SECTION 08 71 00 - DOOR HARDWARE

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. SECTION INCLUDES: FINISH HARDWARE FOR DOOR OPENINGS
- 1.2 REFERENCES
 - A. COMPLY WITH APPLICABLE REQUIREMENTS OF THE FOLLOWING STANDARDS, WHERE THESE STANDARDS CONFLICT WITH OTHER SPECIFIC REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN.
 - 1. BUILDERS HARDWARE MANUFACTURING ASSOCIATION (BHMA)
 - 2. NFPA 101 LIFE SAFETY CODE
 - 3. NFPA 80 - FIRE DOORS AND WINDOWS
 - 4. ANS-I-18.6X - VARIOUS PERFORMANCE STANDARDS FOR FINISH HARDWARE
 - 5. UL 10C - POSITIVE PRESSURE FIRE TEST OF DOOR ASSEMBLIES
 - 6. ANS-I-17.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
 - 7. DHS/ANSI-H16 - INSTALLATION GUIDE FOR DOORS AND HARDWARE
 - 8. ICC - INTERNATIONAL BUILDING CODE
- 1.3 SUBMITTALS
 - A. PRODUCT DATA: MANUFACTURER'S SPECIFICATIONS AND TECHNICAL DATA INCLUDING THE FOLLOWING:
 - 1. DETAILED SPECIFICATION OF CONSTRUCTION AND FABRICATION.
 - 2. MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - 3. WIRING DIAGRAMS FOR EACH ELECTRIC PRODUCT SPECIFIED. COORDINATE VOLTAGE WITH ELECTRICAL BEFORE SUBMITTING.
 - 4. CATALOG CUTS WITH HARDWARE SCHEDULE.
 - B. SHOP DRAWINGS - HARDWARE SCHEDULE
 - 1. LIST GATES AND SIZES IN PROPER SEQUENCE.
 - 2. COMPLETELY DESCRIBE DOOR AND LIST ARCHITECTURAL DOOR NUMBER.
 - 3. MANUFACTURER, PRODUCT NAME, AND CATALOG NUMBER.
 - 4. FUNCTION, TYPE, AND STYLE.
 - 5. SIZE AND FINISH OF EACH ITEM.
 - 6. MOUNTING HEIGHTS.
 - 7. EXPLANATION OF ABBREVIATIONS AND SYMBOLS USED WITHIN SCHEDULE.
 - 8. DETAILED WIRING DIAGRAMS, SPECIALLY DEVELOPED FOR EACH OPENING, INDICATING ALL ELECTRIC HARDWARE, SECURITY EQUIPMENT AND ACCESS CONTROL EQUIPMENT, AND DOOR AND FRAME ROUGH-INS REQUIRED FOR SPECIFIC OPENING.
 - 9. TEMPLATES, SUBMIT TEMPLATES AND "KEYED" HARDWARE SCHEDULE TO DOOR AND FRAME SUPPLIER AND OTHERS AS APPLICABLE TO ENABLE PROPER AND ACCURATE SIZING AND LOCATIONS OF CUTOUTS AND REINFORCING.
- 1.4 WARRANTY
 - A. MANUFACTURER'S WARRANTY:
 - 1. CLOSERS: THIRTY YEARS
 - 2. EXIT DEVICES: FIVE YEARS
 - 3. LOCKSETS & CYLINDERS: THREE YEARS
 - 4. ALL OTHER HARDWARE: TWO YEARS.
- PART 2 - PRODUCTS
 - 2.1 MANUFACTURERS
 - A. THE FOLLOWING MANUFACTURERS ARE APPROVED SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.

ITEM	APPROVED
HINGES	STANLEY
CONTINUOUS HINGES	STANLEY
LOCKSETS	BEST
CYLINDERS	BEST
EXIT DEVICES	PRECISION
CLOSERS	STANLEY D-4550
AUTOMATIC OPERATORS	STANLEY D-4900
PUSH/PULL PLATES	TRIMCO
PUSH/PULL BARS	TRIMCO
PROTECTION PLATES	TRIMCO
OVERHEAD STOPS	DORMA
DOOR STOPS	BURNS, ROCKWOOD
FLUSH BOLTS	TRIMCO
COORDINATOR & BRACKETS	TRIMCO
THRESHOLD GASKETING	NATIONAL GUARD
- 2.2 KEYS AND KEYING
 - A. PROVIDE KEYS BRASS CONSTRUCTION CORES AND KEYS DURING THE CONSTRUCTION PERIOD. CONSTRUCTION CONTROL AND OPERATING KEYS AND CORES SHALL NOT BE PART OF THE OWNER'S PERMANENT KEYING SYSTEM OR FURNISHED IN THE SAME KEYWAY (OR KEY SECTION) AS THE OWNER'S PERMANENT KEYING SYSTEM. PERMANENT CORES AND KEYS (PREPARED ACCORDING TO THE ACCEPTED KEYING SCHEDULE) WILL BE FURNISHED TO THE OWNER.
 - B. CYLINDERS, REMOVABLE AND INTERCHANGEABLE CORE SYSTEM: BEST IC SMALL FORMAT K-1PN.
 - C. PERMANENT KEYS AND CORES: STAMPED WITH THE APPLICABLE KEY MARK FOR IDENTIFICATION. THESE VISUAL KEY CONTROL MARKS OR CODES WILL NOT INCLUDE THE ACTUAL KEY CUTS. PERMANENT KEYS WILL ALSO BE STAMPED "DO NOT DUPLICATE."
- PART 3 - EXECUTION
 - 3.1 HARDWARE LOCATIONS
 - A. MOUNT HARDWARE UNITS AT HEIGHTS INDICATED IN THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED OR REQUIRED TO COMPLY WITH THE GOVERNING REGULATIONS.
 - 1. RECOMMENDED LOCATIONS FOR BUILDER'S HARDWARE FOR STANDARD STEEL DOORS AND FRAMES, BY THE DOOR AND HARDWARE INSTITUTE (DHI).
 - 2. RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR FLUSH WOOD DOORS (DHI).
 - 3. WDMA INDUSTRY STANDARD IS-1A-04, INDUSTRY STANDARD FOR ARCHITECTURAL WOOD FLUSH DOORS.
 - 3.2 INSTALLATION
 - A. INSTALL EACH HARDWARE ITEM PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. DO NOT INSTALL SURFACE MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON THE SUBSTRATE. SET UNITS LEVEL, PLUMB AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE AS NECESSARY FOR PROPER INSTALLATION AND OPERATION.
 - B. INSTALL CONFORMING TO OCCUPIANCY ACCESSIBLE AND USABLE BUILDING AND FACILITIES.
 - 3.3 SCHEDULE OF FINISH HARDWARE:

SET #01			
DOORS: SF1A			
6	PIVOTHINGE	BY ALUM DOOR MANUFACTURER	AL
1	KEY REMOVABLE MULLION	FLURR22	889 PR
1	EXIT DEVICE	3RD CD 2101	630 PR
1	EXIT DEVICE	3RD CD 2103 X 4900D	630 PR
1	RIM CYLINDER	125-62	626 BE
2	MORTISE CYLINDER	15-94	626 BE
2	DOOR CLOSER	4561 CS P45-180D P45H-110 P45HD-112	689 SD
2	CONVEX WALL STOP	1270C3	626 TR
1	MULLION SEAL	5100 S NA	626 NA
1	GASKETING	2525B X LAR	NA
1	MEETING STILE GASKETING	5070B X LAR	NA

END OF SECTION

SECTION 08 71 00 - DOOR HARDWARE

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. SECTION INCLUDES: FINISH HARDWARE FOR DOOR OPENINGS
- 1.2 REFERENCES
 - A. COMPLY WITH APPLICABLE REQUIREMENTS OF THE FOLLOWING STANDARDS, WHERE THESE STANDARDS CONFLICT WITH OTHER SPECIFIC REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN.
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 - 5. UL 10C - POSITIVE PRESSURE FIRE TEST OF DOOR ASSEMBLIES
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- 1.3 SUBMITTALS
 - A. PRODUCT DATA: MANUFACTURER'S SPECIFICATIONS AND TECHNICAL DATA INCLUDING THE FOLLOWING:
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 - 4. CATALOG CUTS WITH HARDWARE SCHEDULE.
 - B. SHOP DRAWINGS - HARDWARE SCHEDULE
 - 1. LIST GATES AND SIZES IN PROPER SEQUENCE.
 - 2. COMPLETELY DESCRIBE DOOR AND LIST ARCHITECTURAL DOOR NUMBER.
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 - 5. SIZE AND FINISH OF EACH ITEM.
 - 6. MOUNTING HEIGHTS.
 - 7. EXPLANATION OF ABBREVIATIONS AND SYMBOLS USED WITHIN SCHEDULE.
 - 8. DETAILED WIRING DIAGRAMS, SPECIALLY DEVELOPED FOR EACH OPENING, INDICATING ALL ELECTRIC HARDWARE, SECURITY EQUIPMENT AND ACCESS CONTROL EQUIPMENT, AND DOOR AND FRAME ROUGH-INS REQUIRED FOR SPECIFIC OPENING.
 - 9. TEMPLATES, SUBMIT TEMPLATES AND "KEYED" HARDWARE SCHEDULE TO DOOR AND FRAME SUPPLIER AND OTHERS AS APPLICABLE TO ENABLE PROPER AND ACCURATE SIZING AND LOCATIONS OF CUTOUTS AND REINFORCING.
- 1.4 WARRANTY
 - A. MANUFACTURER'S WARRANTY:
 - 1. CLOSERS: THIRTY YEARS
 - 2. EXIT DEVICES: FIVE YEARS
 - 3. LOCKSETS & CYLINDERS: THREE YEARS
 - 4. ALL OTHER HARDWARE: TWO YEARS.
- PART 2 - PRODUCTS
 - 2.1 MANUFACTURERS
 - A. THE FOLLOWING MANUFACTURERS ARE APPROVED SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.

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- 2.2 KEYS AND KEYING
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 - B. CYLINDERS, REMOVABLE AND INTERCHANGEABLE CORE SYSTEM: BEST IC SMALL FORMAT K-1PN.
 - C. PERMANENT KEYS AND CORES: STAMPED WITH THE APPLICABLE KEY MARK FOR IDENTIFICATION. THESE VISUAL KEY CONTROL MARKS OR CODES WILL NOT INCLUDE THE ACTUAL KEY CUTS. PERMANENT KEYS WILL ALSO BE STAMPED "DO NOT DUPLICATE."
- PART 3 - EXECUTION
 - 3.1 HARDWARE LOCATIONS
 - A. MOUNT HARDWARE UNITS AT HEIGHTS INDICATED IN THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED OR REQUIRED TO COMPLY WITH THE GOVERNING REGULATIONS.
 - 1. RECOMMENDED LOCATIONS FOR BUILDER'S HARDWARE FOR STANDARD STEEL DOORS AND FRAMES, BY THE DOOR AND HARDWARE INSTITUTE (DHI).
 - 2. RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR FLUSH WOOD DOORS (DHI).
 - 3. WDMA INDUSTRY STANDARD IS-1A-04, INDUSTRY STANDARD FOR ARCHITECTURAL WOOD FLUSH DOORS.
 - 3.2 INSTALLATION
 - A. INSTALL EACH HARDWARE ITEM PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. DO NOT INSTALL SURFACE MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON THE SUBSTRATE. SET UNITS LEVEL, PLUMB AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE AS NECESSARY FOR PROPER INSTALLATION AND OPERATION.
 - B. INSTALL CONFORMING TO OCCUPIANCY ACCESSIBLE AND USABLE BUILDING AND FACILITIES.
 - 3.3 SCHEDULE OF FINISH HARDWARE:

SET #01			
DOORS: SF1A			
6	PIVOTHINGE	BY ALUM DOOR MANUFACTURER	AL
1	KEY REMOVABLE MULLION	FLURR22	889 PR
1	EXIT DEVICE	3RD CD 2101	630 PR
1	EXIT DEVICE	3RD CD 2103 X 4900D	630 PR
1	RIM CYLINDER	125-62	626 BE
2	MORTISE CYLINDER	15-94	626 BE
2	DOOR CLOSER	4561 CS P45-180D P45H-110 P45HD-112	689 SD
2	CONVEX WALL STOP	1270C3	626 TR
1	MULLION SEAL	5100 S NA	626 NA
1	GASKETING	2525B X LAR	NA
1	MEETING STILE GASKETING	5070B X LAR	NA

END OF SECTION

SECTION 08 80 00 - GLAZING

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. GLASS TYPES: (IGU = INSULATING GLASS UNITS)
 - 1. GLASS 1 = 1/4" TEMPERED CLEAR (SAFETY) GLAZING (INTERIOR UNO)
- PART 2 - PRODUCTS
 - 2.1 HEAT-TREATED FLOAT GLASS
 - A. HEAT-TREATED FLOAT GLASS: ASTM C 1048; TYPE I (TRANSPARENT GLASS, FLAT); QUALITY Q3 (GLAZING SELECT); CLASS, KIND, AND CONDITION AS INDICATED IN SCHEDULES AT THE END OF PART 3.
- PART 3 - EXECUTION
 - 3.1 GLAZING, GENERAL
 - A. COMPLY WITH COMBINED WRITTEN INSTRUCTIONS OF MANUFACTURERS OF GLASS, SEALANTS, GASKETS, AND OTHER GLAZING MATERIALS, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED, INCLUDING THOSE IN REFERENCED GLAZING PUBLICATIONS.
 - 3.2 GLASS SCHEDULE
 - A. UNCOATED CLEAR FLOAT GLASS (GLASS 1): PROVIDE TYPE I (TRANSPARENT GLASS, FLAT), CLASS 1 (CLEAR) GLASS LITES COMPLYING WITH THE FOLLOWING:
 - 1. UNCOATED CLEAR FULLY TEMPERED FLOAT GLASS, KIND FT (FULLY TEMPERED).
- END OF SECTION

SECTION 09 20 00 - GYPSUM BOARD ASSEMBLIES

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. SECTION INCLUDES METAL STUD WALL FRAMING; METAL CHANNEL CEILING FRAMING; GYPSUM BOARD AND JOINT TREATMENT; GYPSUM SHEATHING; AND ACOUSTIC INSULATION.
- PART 2 - PRODUCTS
 - 2.1 GYPSUM BOARD ASSEMBLIES
 - A. STUDS: ASTM C945; NOMINAL 25-GUAGE; 0.0179" MINIMUM THICKNESS OF BASE METAL FOR INTERIOR ASSEMBLIES EXCEPT 20-GUAGE 0.0328" MINIMUM THICKNESS FOR REINFORCEMENT AT DOOR FRAMES
 - B. COATING: ALL MEMBERS SHALL BE QUALIFIED PER ASTM A555 AND ASTM A591.
 - E. FURRING, FRAMING, AND ACCESSORIES: ASTM C945, GA-216 AND GA-600.
 - C. FASTENERS: ASTM C314, ASTM C1002 AND GA-216 AS RECOMMENDED BY BOARD MANUFACTURER.
 - D. ANCHORAGE TO SUBSTRATE: THE WIRE, NAILS, SCREWS, AND OTHER METAL SUPPORTS, OF TYPE AND SIZE TO SUIT APPLICATION, TO RIGIDLY SECURE MATERIALS IN PLACE.
 - E. ADHESIVE: ASTM C507, GA-216 AND AS RECOMMENDED BY BOARD MANUFACTURER.
 - F. GYPSUM BOARD MATERIALS:
 - 1. AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 - I. AMERICAN GYPSUM CO.
 - II. G-P GYPSUM.
 - III. NATIONAL GYPSUM COMPANY.
 - IV. USG CORPORATION.
 - 2. STANDARD GYPSUM BOARD: ASTM C36; 5/8 INCH THICK, MAXIMUM AVAILABLE LENGTH IN PLACE; ENDS SQUARE CUT, TAPERED EDGES
 - 3. ABUSE RESISTANT GYPSUM BOARD: ASTM C1396; 5/8 INCH THICK, MAXIMUM AVAILABLE LENGTH IN PLACE; ENDS SQUARE CUT, TAPERED EDGES.
 - I. SURFACE ABRASION RESISTANCE: CLASSIFICATION LEVEL 3 IN ACCORDANCE WITH ASTM C 1629
 - II. INDENTATION RESISTANCE: CLASSIFICATION LEVEL 1 IN ACCORDANCE WITH ASTM C1629
 - III. SOFT BODY IMPACT RESISTANCE: CLASSIFICATION LEVEL 2 IN ACCORDANCE WITH ASTM C 1629
 - IV. HARD BODY IMPACT RESISTANCE: CLASSIFICATION LEVEL 1 IN ACCORDANCE WITH ASTM C 1629
 - 4. FIRE RATED GYPSUM BOARD: ASTM C36; FIRE RESISTIVE TYPE, UL 59 INCH THICK, MAXIMUM AVAILABLE LENGTH IN PLACE; ENDS SQUARE CUT, TAPERED EDGES
 - 5. MOISTURE RESISTANT GYPSUM BOARD: ASTM C390; 5/8 INCH THICK, MAXIMUM AVAILABLE LENGTH IN PLACE; ENDS SQUARE CUT, TAPERED EDGES, AND DAMP AREAS SUCH AS BATHROOMS, TOILETS (ABOVE WAINSCOTS).
 - 6. CEILING TYPE: MANUFACTURED TO HAVE MORE SAG RESISTANCE THAN REGULAR-TYPE GYPSUM BOARD.
 - A. THICKNESS: 1/2 INCH
 - B. LONG EDGES: TAPERED.
- PART 3 - EXECUTION
 - 3.1 INSTALLATION
 - A. METAL STUD INSTALLATION IN ACCORDANCE WITH ASTM C754, GA-216 AND GA-600.
 - B. CEILING FRAMING INSTALLATION IN ACCORDANCE WITH ASTM C754.
 - 3.2 JOINT TREATMENT:
 - 1. TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, AND CORNERS TO PRODUCE SMOOTH SURFACE READY TO RECEIVE FINISHES.
 - 2. FINISH IN ACCORDANCE WITH GA-214, LEVEL 4.

END OF SECTION

SECTION 09 85 10 - RESILIENT FLOOR TILE

- PART 1 - GENERAL
 - 1.1 SUMMARY
 - A. SECTION INCLUDES:
 - 1. VINYL COMPOSITION FLOOR TILE (VCT).
 - 2. RESILIENT BASE.
- 1.2 SUBMITTALS
 - A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
 - 1.3 PROJECT CONDITIONS
 - A. MAINTAIN AMBIENT TEMPERATURES WITHIN RANGE RECOMMENDED BY MANUFACTURER, BUT NOT LESS THAN 70 DEG F OR MORE THAN 95 DEG F, IN SPACES TO RECEIVE FLOOR TILE.
 - 1.4 EXTRA MATERIALS
 - A. FURNISH EXTRA MATERIALS THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS.
 - 1. FLOOR TILE (VCT): FURNISH 1 BOX FOR EVERY 50 BOXES OR FRACTION THEREOF, OF EACH TYPE, COLOR, AND PATTERN OF FLOOR TILE INSTALLED.
- PART 2 - PRODUCTS
 - 2.1 VINYL COMPOSITION FLOOR TILE (VCT)
 - A. TO MATCH EXISTING FLOOR TILE
 - 1. ARMSTRONG WORLD INDUSTRIES, INC.
 - 2. STANDARD EXCELON
 - 3. COLOR: 8100 MARIN BLUE
 - B. TILE STANDARD: ASTM F 1088, CLASS 2, THROUGH-PATTERN TILE.
 - C. WEARING SURFACE: SMOOTH
 - D. THICKNESS: 5/8 INCH
 - E. SIZE: