

PREPARED FOR:

HILLSBORO SCHOOL DISTRICT
4901 SE Witch Hazel Rd, Hillsboro, OR



PROJECT NAME & ADDRESS:
NEW ACCESS DOOR

LIBERTY HIGH SCHOOL
7445 NW Wagon Way
Hillsboro, OR 97124



KERRY W. VANDERZANDEN
ARCHITECT, P.C.

13981 NW MAIN STREET
BANKS, OREGON 97106
(503) 324-5220 / (503) 324-0883 FAX

REVISIONS:

No.	Date	Description

PROJECT NUMBER: 180969
DATE: 03-04-2019

PERMIT SUBMITTAL

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

G-001

ABBREVIATIONS

A/C ASPHALT CONCRETE	HSA HEADED STUD ANCHOR
AB ANCHOR BOLT	HSS HOLLOW STRUCTURAL SECTION
AC ABOVE COUNTER	HT HEIGHT
ACT ACOUSTIC CEILING TILE	ID INSIDE DIAMETER
ADDL ADDITIONAL	IN INCH
ADJ ADJACENT	INCL INCLUDED, INCLUDING
AFF ABOVE FINISHED FLOOR	INSUL INSULATED, INSULATION
ALUM ALUMINUM	INT INTERIOR
ANOD ANODIZED	JAN JANITOR
AOR ARCHITECT OF RECORD	JST JOIST
ARCH ARCHITECTURAL	JT JOINT
ASSY ASSEMBLY	K KIP(S)
ATR ALL THREAD ROD	KB KEYBOARD
BD BOARD	KD KNOCK DOWN
BLDG BUILDING	KSI KIPS PER SQUARE INCH
BLKG BLOCKING	L ANGLE
BM BEAM	LF LINEAR FOOT
BOF BOTTOM OF	LLH LONG LEG HORIZONTAL
BRG BEARING	LLV LONG LEG VERTICAL
BSMT BASEMENT	LONG LONGITUDINAL
BTM BOTTOM	LTG LIGHTING
BTWN BETWEEN	LVL LAMINATED VENEER LUMBER
BUR BUILT UP ROOF	LWC LIGHT WEIGHT CONCRETE
BW BOTH WAYS	MANUF MANUFACTURER
C CAMBER	MATL MATERIAL
CAB CABINET	MAX MAXIMUM
CB CATCH BASIN	MBS METAL BUILDING SUPPLIER
CH CEILING HEIGHT	MDF MEDIUM DENSITY FIBERBOARD
CIP CAST IN PLACE	MECH MECHANICAL
CJ CONTROL JOINT	MIN MINIMUM
CJP COMPLETE JOINT PENETRATION	MIR MIRROR
CL CENTER LINE	MKR BD MARKER BOARD
CLG CEILING	MTD MOUNTED
CLR CLEAR	MTL METAL
CMP CORRUGATED METAL PIPE	(N) NEW
CMTX CEMENTITIOUS	NA NOT APPLICABLE
CMU CONCRETE MASONRY UNIT	NIC NOT INCLUDED IN CONTRACT
COL COLUMN	NOM NOMINAL
COMP COMPACT, COMPACTED	NTE NOT TO EXCEED
CONC CONCRETE	NTS NOT TO SCALE
CONN CONNECTION	OC ON CENTER
CONT CONTINUOUS	OD OUTSIDE DIAMETER
CONTR CONTRACTOR	OH OVERHEAD
CPT CARPET	OPH OPPOSITE HAND
CT CERAMIC TILE	OPENING OPENING
CUST CUSTODIAL	OPP OPPOSITE
DBA DEFORMED BAR ANCHOR	OPT OPTIONAL
DBL DOUBLE	OWJ OPEN WEB JOIST
DEMO DEMOLISH, DEMOLITION	P LAM PLASTIC LAMINATE
DEPT DEPARTMENT	PAF POWER ACTUATED FASTENER
DF DRINKING FOUNTAIN	PEMB PRE-ENGINEERED METAL BUILDING
DFIL DOUGLAS FIR-LARCH	PERP PERPENDICULAR
DIA DIAMETER	PJP PARTIAL JOINT PENETRATION
DIAG DIAGONAL	PL PLATE
DIM DIMENSION	PLBG PLUMBING
DISP DISPENSER, DISPOSAL	PSF POUNDS PER SQUARE FOOT
DIST DISTANCE	PSI POUNDS PER SQUARE INCH
DL DEAD LOAD	PT PRESSURE TREATED
DN DOWN	PTD PAPER TOWEL DISPENSER
DR DOOR	PWD PLYWOOD
DS DOWNSPOUT	QTY QUANTITY
DTL DETAIL	R RISER(S)
DW DISHWASHER	RAD RADIUS
DWG DRAWING	REC RECESSED
(E) EXISTING	REF REFERENCE
EA EACH	REINF REINFORCE, REINFORCEMENT
EF EACH FACE	REOD REQUIRED
EL ELEVATION	RESTD STEEL REINFORCEMENT, REINFORCING STEEL BARS
ELEC ELECTRIC(AL)	REV REVISED, REVISION
EN PANEL EDGE NAIL	RO ROUGH OPENING
ENGR ENGINEER	S&V STAIN & VARNISH
EOF EDGE OF	SC SLIP CRITICAL
EOR ENGINEER OF RECORD	SCD SEAT COVER DISPENSER
EOS EDGE OF SLAB	SD SOAP DISPENSER
EQ EQUAL	SF STOREFRONT, SQUARE FEET
EQUIV EQUIVALENT	SPNT STOREFRONT
ETR EXISTING TO REMAIN	SHT SHEET
EW EACH WAY	SHTG SHEATHING
EX EXIT	SIM SIMILAR
EXSTG EXISTING	SLDG SLIDING
EXT EXTERIOR	SMS SHEET METAL SCREW
FD FLOOR DRAIN	SOG SLAB ON GRADE/GROUND
FE FIRE EXTINGUISHER	SPKR SPEAKER
FEC FIRE EXTINGUISHER CABINET	SPRK SPRINKLER
FIC FURNISHED & INSTALLED BY CONTRACTOR	SQ SQUARE
FIN FINISHED	SS STAINLESS STEEL
FIO FURNISHED & INSTALLED BY OWNER	STD STANDARD
FLR FLOOR	STL STEEL
FN FIELD NAIL	STOR STORAGE
FNDN FOUNDATION	SUSP SUSPENDED
FOF FACE OF	SV SHEET VINYL
FOIC FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	T TREAD(S)
FRP FIBERGLAS REINFORCED PLASTIC	T&B TOP & BOTTOM
FRR FIRE-RESISTANCE RATED	T&G TONGUE & GROOVE
FRTW FIRE RETARDANT TREATED WOOD	TEMP TEMPERED
FS FLAME SPREAD, FLOOR SINK	TOF TOP OF
FT FEET	TOPO TOPOGRAPHY
FTG FOOTING	TPD TOILET PAPER DISPENSER
GA GAUGE	TRANS TRANSVERSE, TRANSITION
GALV GALVANIZED	TYP TYPICAL
GB GRAB BAR	UNO UNLESS NOTED OTHERWISE
GLB GLU-LAM BEAM	VB VAPOR BARRIER
GRAN GRANULAR	VCT VINYL COMPOSITION TILE
GWB GYPSUM WALL BOARD	VERT VERTICAL
HC HANDICAP	WIF VERIFY IN FIELD
HDG HOT-DIP GALVANIZED	WI WITH
HDR HEADER	W/O WITHOUT
HDWR HARDWARE	WC WATER CLOSET
HF HEM-FIR	WD WOOD
HM HOLLOW METAL	WDW WINDOW
HORIZ HORIZONTAL	WF WIDE FLANGE
HR HOUR	WH WATER HEATER
	WWR WELDED WIRE REINFORCING

SYMBOLS

EXISTING WALL
NEW WALL
WALL TO BE REMOVED
WINDOW TO BE REMOVED
ROOM NUMBER
FOUNDATION TYPE
WALL TYPE
WINDOW TYPE
DOOR NUMBER
KEYED NOTE
NORTH ARROW
BUILDING SECTION
DETAIL SECTION
BUILDING ELEVATION
INTERIOR ELEVATIONS CALLOUT
GRID LINES
DETAIL CALLOUT
DRAWING/TITLE NUMBER
SHEET CALLED OUT FROM (WHEN USED)
DRAWING/TITLE
DRAWING SCALE
TYP DIMENSION TO GRIDLINE OR FACE OF FINISH UNO
DIMENSION TO CENTERLINE UNO

NEW ACCESS DOOR LIBERTY HIGH SCHOOL

BIDDING INFORMATION

- BID THE WORK TO ASSUME ONE ELECTRICAL BRANCH CIRCUIT IN EACH WALL TO BE OPENED. WILL BE FOUND AT EACH NEWLY CREATED DOOR OPENING AND WILL NEED TO BE RE-ROUTED OVER THE DOOR AND WITHIN THE WALL.
- PLEASE NOTE THERE IS A BID ALTERNATE TO REPLACE ALL CARPET AT LOBBY UP TO TRANSITIONS SHOWN ON FLOOR PLAN.
- FIELD VERIFY EXISTING COLORS AT INTERIOR DOOR PANEL, HOLLOW METAL FRAMES, CARPET, AND CASEWORK LAMINATE.
- FIELD VERIFY CUSTOM DOOR HEIGHT AT EXTERIOR DOOR. ALLOW ADEQUATE TIME FOR SPECIAL ORDERING.

PROJECT OVERVIEW

PROJECT DESCRIPTION
Minor tenant improvement for Reception area within existing E occupancy. Work includes new exterior wall signage, new exterior hollow metal door and frame at existing window opening, new interior glazing assembly, new interior wood door with hollow metal frame, and new/relocated interior casework. Electrical work includes new electrical boxes, conduit, and EPT wiring at new door. Mechanical work includes new hot water air curtain at existing ceiling. Exterior work at existing awning includes removal of existing steel posts, new steel posts/footings, reinforcement of existing steel beams, and concrete paving replacement.

- EXISTING & FIRE LIFE SAFETY:**
- New exit signage for new exterior exit door.
 - No increase in common path or exit access travel distance.
 - See Egress Plan for exit access.

- STRUCTURAL:**
- At existing exterior canopy: new load bearing steel columns and footings, and reinforcement for existing steel beams.
 - Structural work designed by Miller Consulting Engineers. See structural sheets for additional info.

- INTERIORS:**
- Metal stud framing and GWB typ at interior walls. See floor plan for wall callouts.
 - New casework to match existing.
 - Existing ceilings are suspended grid.

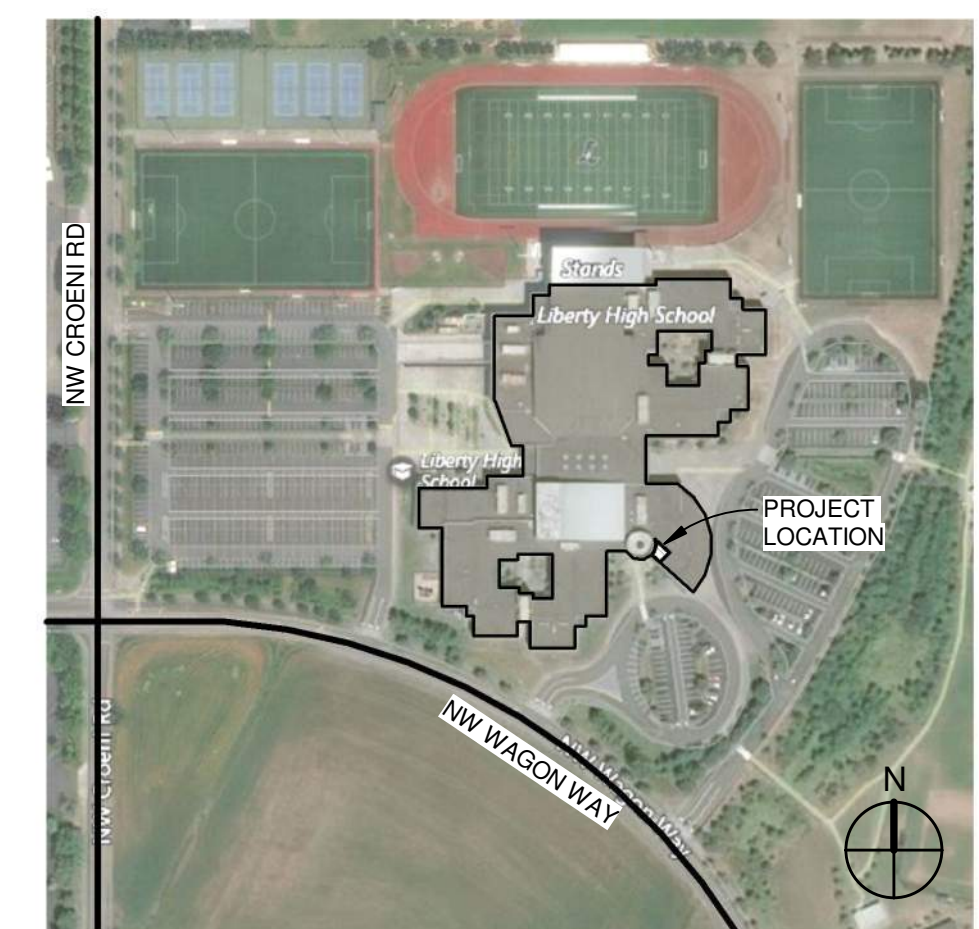
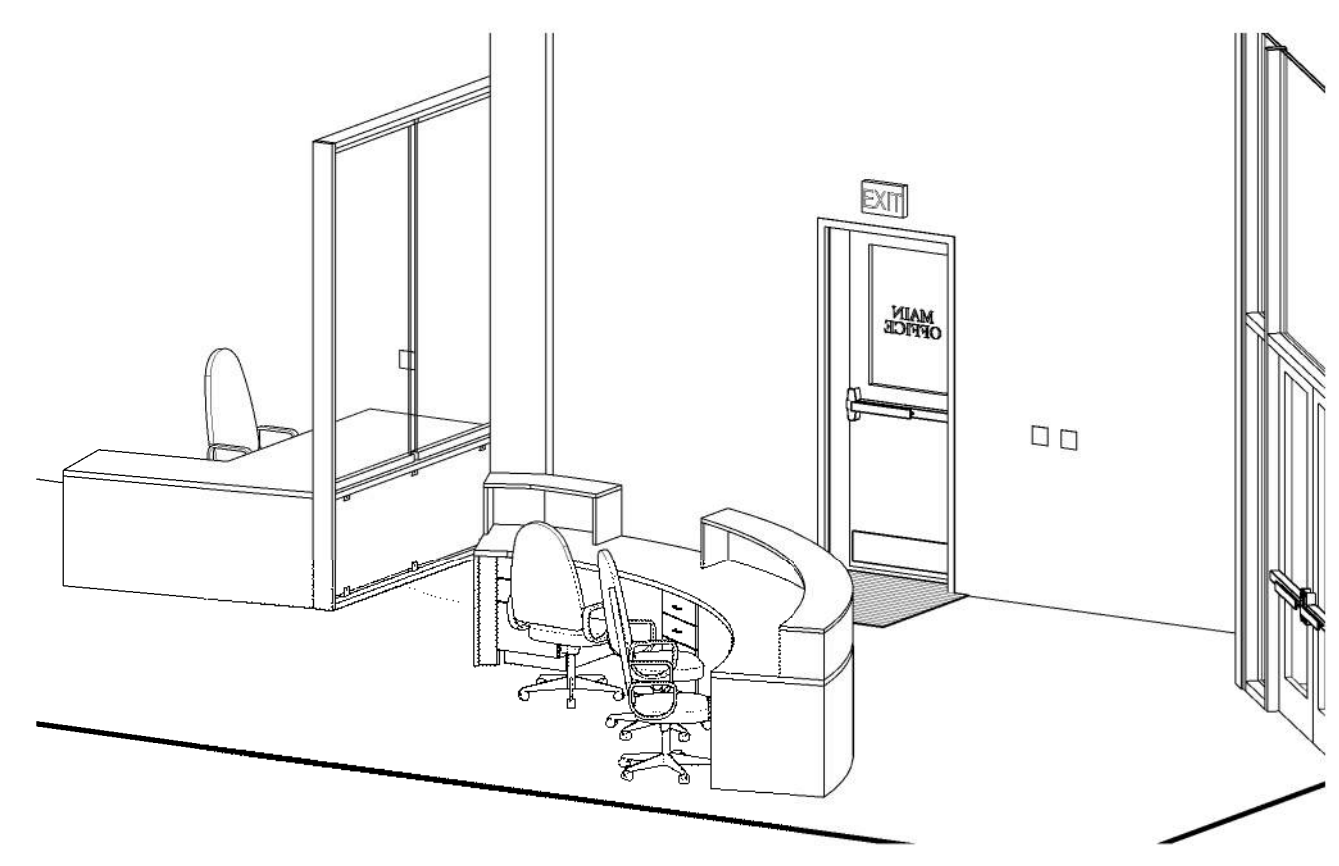
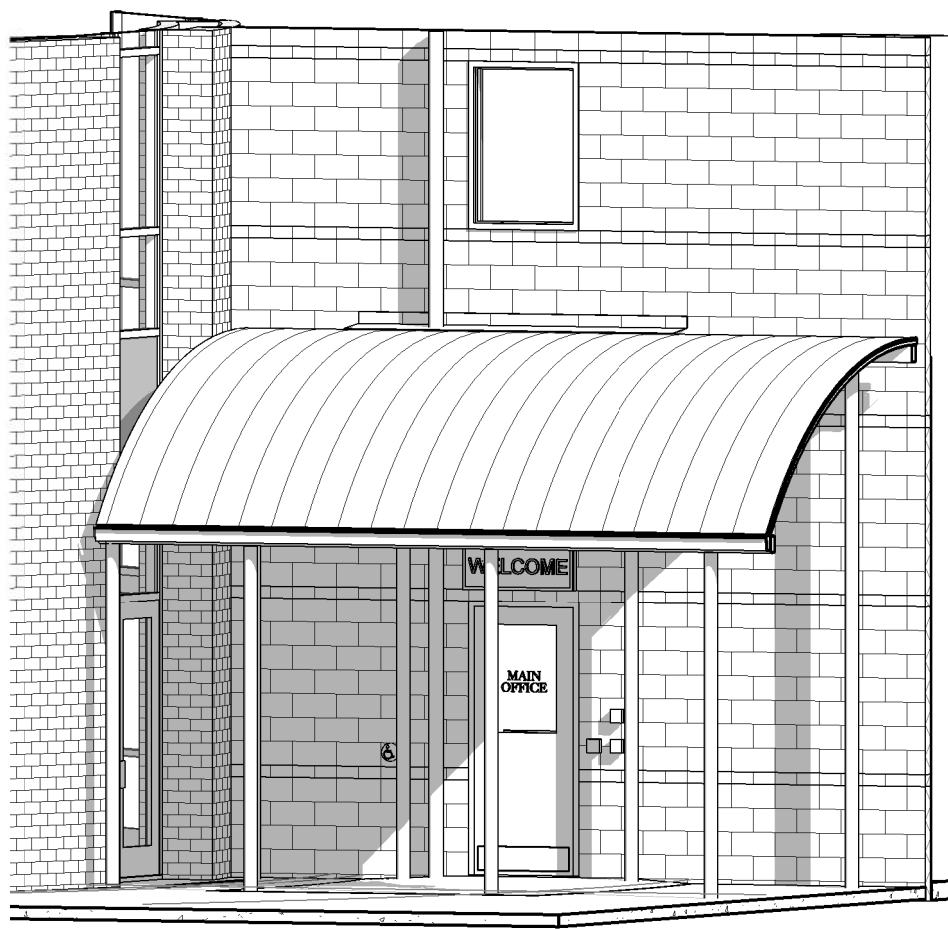
- DOORS / WINDOWS:**
- New custom exterior insulated hollow metal door with hollow metal frame.
 - New interior solid core wood door and hollow metal frame.
 - New interior glazing system.
 - See floor plan sheet for schedules and minimum requirements.

- MECHANICAL:**
- New ceiling mounted recessed hot water air curtain and thermostat. See floor plan sheet.
 - Mechanical work designed by Corbin Consulting Engineers, Inc.. See mechanical sheets for additional info.

- SPRINKLERS:**
- Minor sprinkler head adjustment may be required to accommodate new interior wall layout.
 - New head locations, if required, should be determined by a qualified sprinkler system designer.

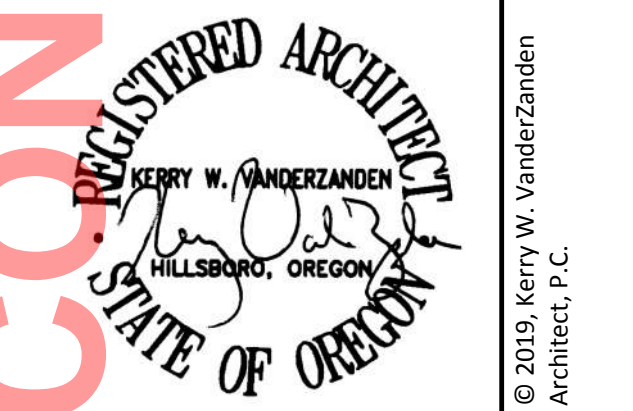
- ELECTRICAL:**
- Project includes rough-in of conduit and junction boxes for future security upgrade (by others) under separate permit.
 - Add electrical box, conduit and wiring for new exit sign.
 - Add wiring for EPT hinge at new door.
 - Remove and relocate existing electrical in wall as required for new construction.
 - Add door limit switch, conduit and wiring for new air curtain.

- DEFERRED SUBMITTALS:**
- Sprinkler work (and design) is by others. If plan review is required it will be a deferred submittal.



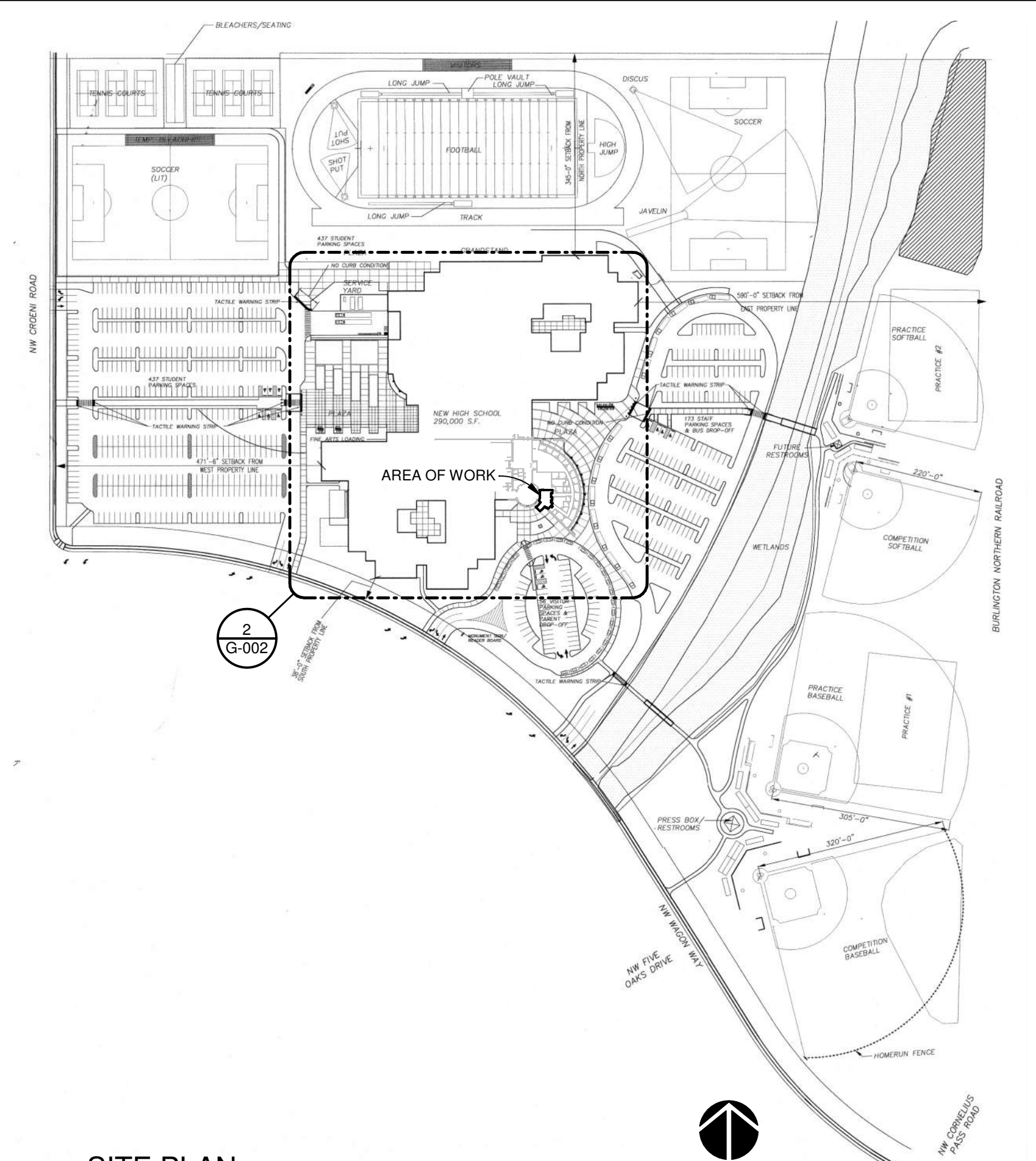
VICINITY MAP

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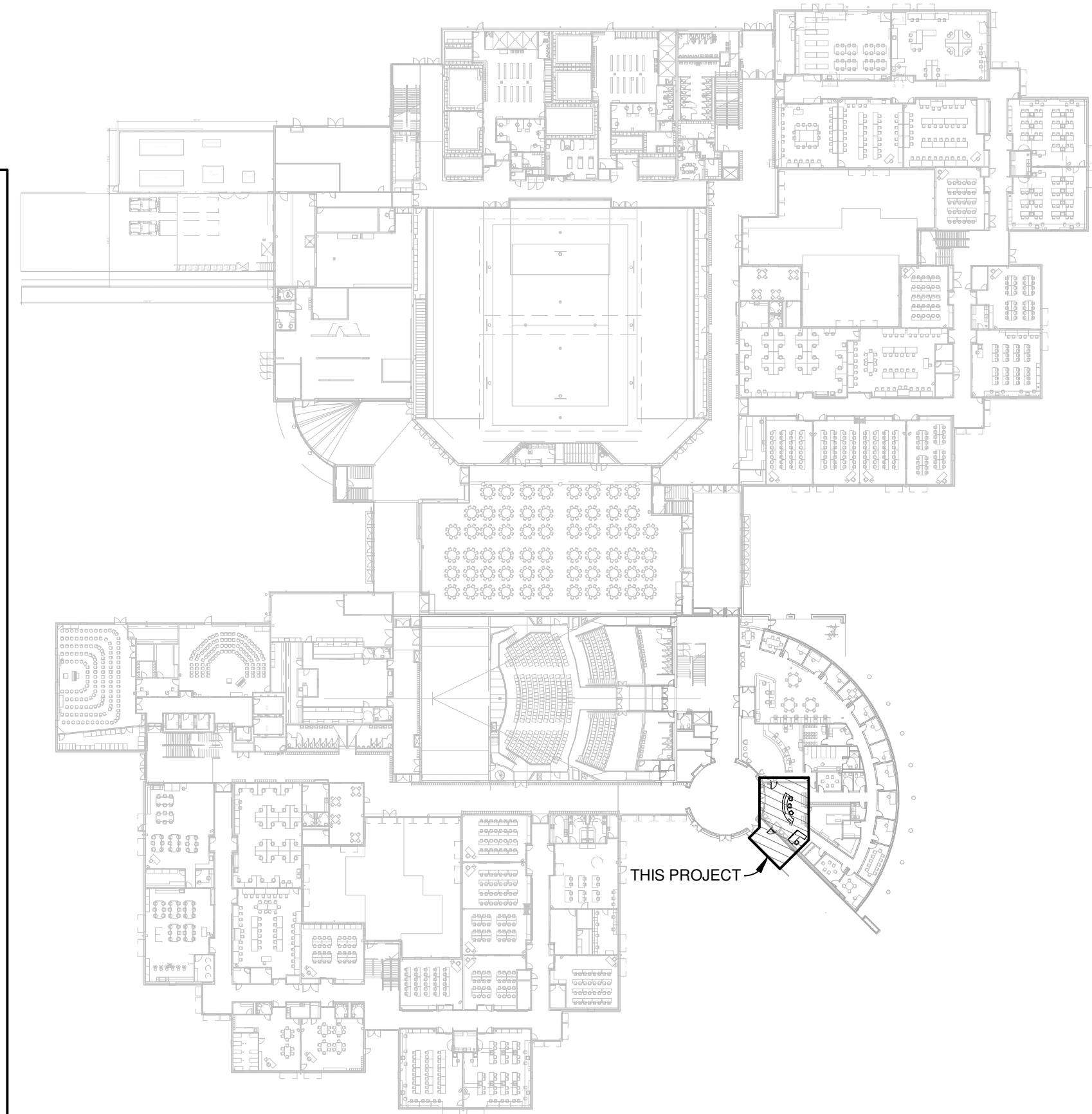


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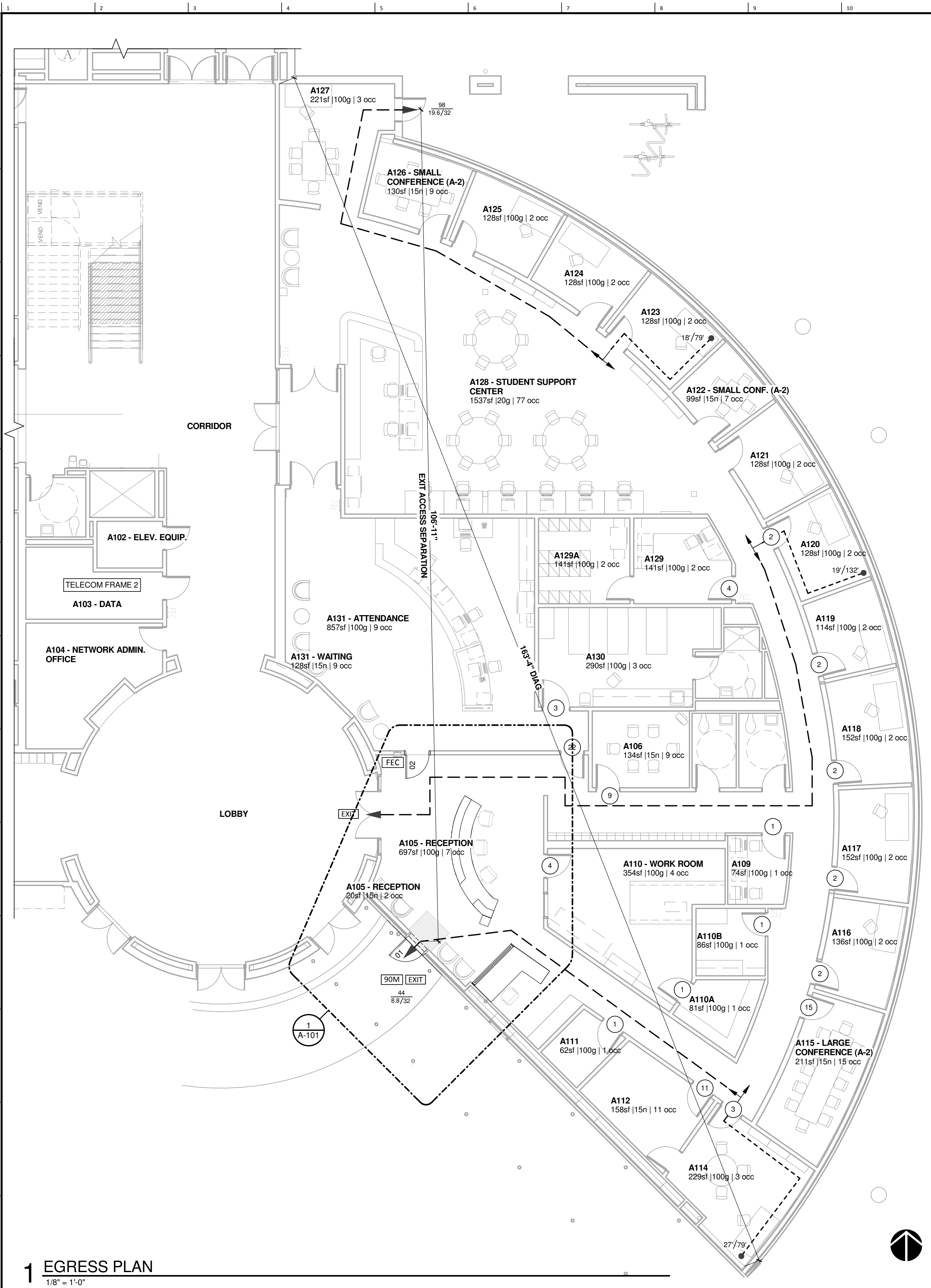
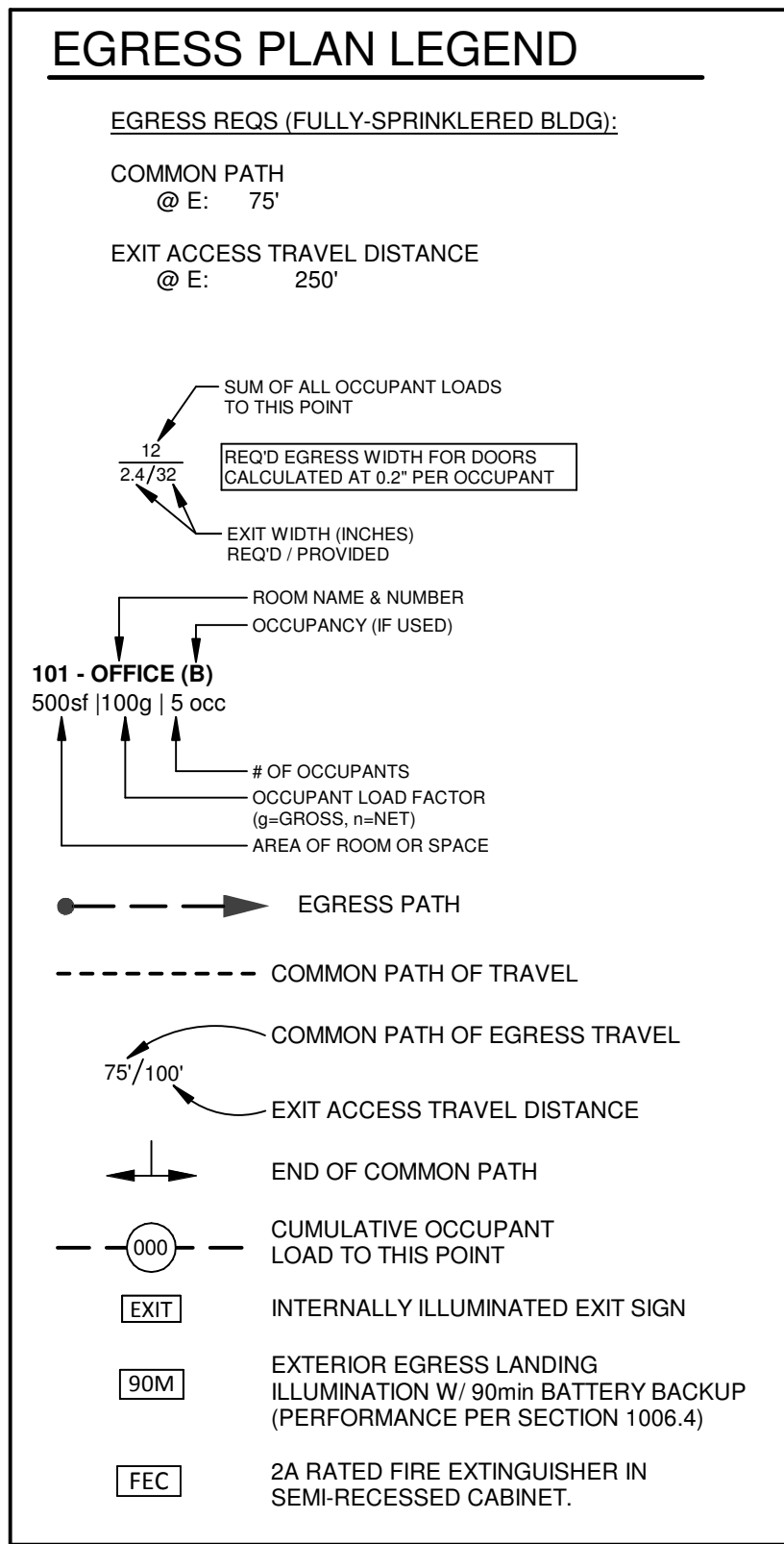
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3 SITE PLAN
 1" = 200'-0"



2 PROJECT PLAN
 1/64" = 1'-0"



1 EGRESS PLAN
 1/8" = 1'-0"

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00 00 00 - PROJECT SPECIFIC PRODUCT NOTES
Also see Project Specific Product Notes. When those requirements conflict with the requirements below, Project Notes shall take precedence.

- 4. Frame openings with at least 2 bars at sides, above and below and extending 2'-6" beyond edges of openings. Request special instructions for special conditions.
5. Provide corner bars same size and spacings as horizontal. Bend reinforcing cold. Do not weld.
F. CONCRETE ACCESSORIES AND CEMENTICIOUS PRODUCTS.
1. Provide anchor bolts cast into concrete conforming to ASTM A307, minimum, or other as indicated. Provide hoop ties, thrust plates or other accessories as indicated or required.

- 7. Each individual unit shall be set level and square to the unit module so that no variation in the surrounding mortar joint can be noticed, and so that uniform joint shadows will be cast.
8. Fill all holes, replace all defective face shells, tack point for uniform mortar joints, "holly stone" surface projections. Clean all exposed surfaces, free of mortar droppings, mortar "scum", efflorescence and all foreign material.
9. REINFORCING STEEL:
a. Placement: Where not otherwise indicated, place rebar as follows:
(2) #4 in grouted lintel over openings
(2) #4 in grouted cells at jambs and wall ends
(2) #4 in grouted bond beams at sills and top of walls
b. Provide minimum #5 vertical bar at 48 inches O.C. and at corners and intersections. Provide two #4 horizontal bars at 48 inches O.C. Provide corner bars at intersections, corners, and at each horizontal bar.

- 1. All field welds, shop welds, welding inspections, and welder qualifications to comply with specifications in IBC Sections 2205, 2206, 2207, 2209 and 2210. Welds shall be special inspected per IBC Section 1704.
2. All welding shall conform to American Welding Society (AWS) D1.1 using E70xx electrodes.
3. Weld lengths shown are effective as specified per the specifications of the American Institute of Steel Construction (AISC).
4. Where weld lengths are not shown, the weld shall be full length of members being joined.

- P. The temporary label affixed to fenestration products shall not be removed prior to inspection.
09 00 00 - FINISHES
A. Unless otherwise indicated provide 5/8" Type 'X' gypsum wallboard for all interior work. Use exterior gypsum sheathing or equivalent moisture resistant products in exterior or wet-prone areas.
B. Provide at least 2 typical anchors in any section of sill plate or stud wall bottom track.
C. Where non-load bearing interior partitions are not otherwise specified or detailed on architectural or structural drawings, framing shall comply with IBC Chapter 22 Section 2211 for steel framing and Chapter 23 Section 2308 for wood framing.

HILLSBORO SCHOOL DISTRICT
4901 SE Witch Hazel Rd, Hillsboro, OR
0' - 3"
Line is 3 inches at full scale
(if not 3 inches then scale accordingly)
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LIBERTY HIGH SCHOOL
7445 NW Wagon Way
Hillsboro, OR 97124
REGISTERED ARCHITECT
KERRY W. VANDERZANDEN
HILLSBORO, OREGON
STATE OF OREGON
ARCHITECT, P.C.
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Architect, P.C.
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CONSTRUCTION REQ
G-003

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PROJECT SPECIFIC PRODUCT NOTES

08100 Hollow metal frames and doors

- 1. Exterior frames: Galvanized 14 gauge steel, full miter joints, welded and ground smooth. Provide anchor anchor at 2 feet o/c at jambs and head, grout solid.
2. Interior frames: 16 gauge, full miter joints, welded and ground smooth. Provide welded, 16 ga. anchor clips at 2 feet o/c at jambs and head for steel stud applications.
3. Reinforce and prepare frames for hardware. Provide steel cover boxes at mortises.
4. Provide 3 silencers per strike jamb where frame is not smoke gasketed.
5. Exterior doors: 16 ga face sheets, welded edges, finished flush. Prep and reinforce for hardware. Provide insulated core.
6. Interior doors: see 08200 Wood doors.
7. Pre-fit and machine doors for hardware to conform to frame manufacturer's specifications.
8. Clearances: 1/8" over thresholds, 3/8" without threshold.

08200 Wood doors

- 1. Solid core doors: Field verify to match existing.
2. WDMA I.S. 1-A Performance grade: Heavy Duty
3. Grade: Premium
4. Faces: Field verify to match existing.
5. Colors, patterns and finishes: Field verify to match existing color.
6. Core: Either glued wood stave or structural composite lumber.
7. Construction: Five plies
8. Installation Instructions: Install doors to comply with manufacturer's written instructions and AWI Premium Graded standards.
9. Pre-fit and machine doors for hardware to conform to frame manufacturer's specifications.
10. Clearances: 1/8" over thresholds, 1/4" over carpet, 3/8" without threshold.

08410 Security Screen

- 1. Manufacturer's products are listed for quality level. Other manufacturer's equivalent products may be submitted for approval.
A. U-Channel top and bottom
a. CRL Anodized Aluminum Regular U-Channel 1-5/8" x 1 5/8" with End Caps. Finish: Field verify to match existing storefront.
b. Glazing gasket: EDPM roll-in glazing gasket GG12100.
c. Fasteners: Type, quantity and spacing engineered by manufacturer.
d. Setting blocks: CRL Aluminum Neoprene Setting Block for Glass UCSB4. 4" length, 5/8" width, 7/8" height.
B. Vertical Mullions and horizontal rails with assembly clips and fasteners.
a. As designed by C.R. Lawrence.
b. Finish: Field verify to match existing storefront.
C. Panel
a. Material: 1/2" plywood or wood composite material with front, back and edges to match new casework, see 12300 Manufactured casework.
b. Clamps: CRL Z-Series Square Type Flat Base Glass Clamps. Finish: Field verify to match existing storefront.
2. Installation: Install all components in accordance with manufacturer's printed instructions and recommendations. Verify units level, plumb and true line.

08700 Hardware

- 1. School district standard hardware items are listed by manufacturer's name and number.
2. Finish: match existing building standard.
3. Hinges: 5 knuckle, ball bearing, full morlise, wrought steel, 4.5" x 4.5" at hollow metal jambs, non-removable pins.
4. Locks: see door schedule.
5. Overhead surface closers: see door schedule.
6. Door stops: Ives 401.5 at wall, 438 at floor.
7. Key cylinders: owner's master key system is Schlage Everest. Order locks with removable cores. Use construction cylinders until final completion. Owner will supply and install final cylinders. Owner will provide final keying.
8. Exit device: see door schedule.
9. Weatherstrip: Pemko 303AV.
10. Threshold: mill finish aluminum, 1/2" high maximum.
11. Electric power transfer device: see door schedule.
12. Kick plate: Trimco K0050 standard kick plate 12" stainless steel, width as required.

08800 Glazing

- 1. Interior door vision panels within 24 inches of door leaf: tempered safety glass.
2. Wired glass is not allowed in group E (educational) occupancies in Oregon.
3. Interior storefront glazing: clear 1/2" tempered laminated safety glass.

09200 Gypsum board

- 1. Gypsum board: 5/8" thick, type "X" (unless noted otherwise). Tape joints and provide asbestos free joint compound. Attach to supports with screws of type and spacing recommended by gypsum board manufacturer.
2. Metal studs: ASTM C845, 25 gauge (unless noted otherwise). Provide metal floor and ceiling runners. Anchor to floor with powder driven fasteners at minimum 32" oc.
3. Trim: galvanized steel, square nose. Install casing bead where GWB abuts or intersects dissimilar construction.

09600 Carpet

- 1. Carpet: match existing building standard.
2. Adhesives as recommended by carpet manufacturer.
3. Substrate and floor preparation as recommended by carpet manufacturer. Grind slab projections, and fill depressions to level. Remove all old adhesives at areas of re-flooring.

09900 Painting

- 1. Paint products by: Sherwin Williams. The District has standardized on the following products:
A. Interior latex enamel: SW "Harmony", low odor, low VOC
B. Interior All surface "Harmony" enamel latex primer.
C. Interior low odor "Harmony" latex primer.
2. Provide following coverages and gloss:
A. Interior ferrous and hollow metal (except factory pre-fin)
1c All surface latex primer
2c Latex enamel
B. Interior gypsum board
1c Low odor latex primer
2c Latex enamel
D. Patched areas at existing
1c Appropriate primer for surface
2c Latex enamel
E. Steel - Unprimed
1c Zinc chromate primer
2c Alkyd enamel, semi-gloss
F. Steel - Shop Primed
Touch-up with zinc rich primer
2c Alkyd enamel, semi-gloss
G. Steel - Galvanized
1c Zinc chromate primer
2c Waterborne Acrylic Dryfall, semi-gloss.
H. Aluminum - Factory Finish
I. Paint Gloss: Unless otherwise noted
J. Walls: Semi-gloss (New walls: Medium Orange Peel Texture)
K. Hollow Metal Frames and doors: Semi-gloss
4. Colors: match existing building standard.

101400 Architectural Signage

- 1. Wall signage: Flat cut acrylic letters with supporting fabricated frame and backboard as indicated.
A. Frame
a. Material: 1"x3" galvanized steel frame
b. Size: as indicated.
c. Mounting: as indicated. Stud/Spacer as required for structural support.
B. Backboard
a. Material: 0.040 gauge aluminum sheet.
b. Size: as indicated.
C. Supports
a. Materials: 3" diameter galvanized steel pipe, Schedule 40.
D. Letters
a. Materials: Acrylic with metal or acrylic edge band. Impact Strength of 1.2, with a HI Flammability Rating. Vicat Softening Temperature of 227 F. Flame Spread Index 115.Smoke Develop Index 550. Self Ignition Temperature 833.
b. Font: Big Caslon Medium.
c. Size: Height: 5". Depth: 3/16".
d. Mounting: surface mount, install with manufacturer's recommended stud/spacer mounting.
E. Graphics/Lettering: As indicated.
F. Colors: match school colors. See Painting 09900.
a. Backboard: gold.
b. Frame and supports: dark blue.
c. Letters: dark blue.
G. Fabrication: Provide shop drawings.
2. Door signage: Adhesive Backed Vinyl Lettering.
A. Material: 3 mil Professional Vinyl
B. Font: Big Caslon Medium. Height: 3".
C. Color: to be selected by owner from provided samples.
D. Graphics/Lettering: As indicated.
E. Mounting: Install according to manufacturer's instructions.
F. Submittal: submit manufacturer's literature providing available fonts and standard range of colors.

12300 Manufactured casework

- 1. Casework materials, construction, hardwood and softwood plywood, particle board and installation to meet AWI Custom Grade. Provide plastic laminate, melamine or clear satin finish unless indicated otherwise.
2. Manufacturer's products are listed for quality level. Other manufacturer's equivalent products may be submitted for approval.
A. Plastic Laminate All New Workstations and Casework
a. PL-1 Standard grade
1. Work surfaces, countertops ,back splashes and self edges.
b. PL-2 Vertical grade
1. Base / upper cabinet exposed vertical faces and fronts, interior /exterior faces of doors, tops and bottoms of all open shelving, faces of back panels of open shelving units.
B. Melamine facing
a. Concealed, interior surfaces and back and side panels of all cabinets and drawers. Manufacturer's Standard Melamine color. Submit samples for selection.
C. PVC Edge banding
a. At casework doors, drawers, and unit face edges:
b. Manufacturer's standard colors. Submit samples for selection.
D. Wire Pulls: Ives 36 , satin chrome, provide 1 per door/ drawer; provide 2 at drawers over 24" wide.
E. Hinges:
a. 165 degree opening: Hafele No. 329.07.609 or Grass G393 Classic.
b. 95 degree opening: Hafele No. 329.05.605, or Grass G366 Classic.
F. Shelf supports: Hafele No. 282.04.533, 1/4" spoon shape supports, or equiv.
G. Open utility shelving supports: Standards, K&V 80; brackets, K&V 180 x nominal shelf width.
H. Cabinet locks: National C8102, 5 pin tumbler, or equivalent. Submit schedule for keying instructions.
I. Drawer Slides:
a. Medium duty box and utility drawers: Accuride 3832;
b. Heavy duty file drawers: Accuride 4032.
J. Grommets: Doug Mockett & Co. Provide minimum 3 l per workstation, 2" diameter, color to coordinate with adjacent surface. Submit Samples for selection.
K. Wire management: wall mount or under counter channel: Doug Mockett & Co. WM2 J Shape or WM4 G Shape, or as required for specific installation. See drawings for "knee brace" penetrations. Extend wire management through penetrations provided. Color to coordinate with adjacent surfaces.
L. Contractor shall reinforce concealed wall framing at locations for wall cabinet anchorage.
M. All casework shelving to be fully adjustable and fabricated of shelving material and dimension to prevent bowing or sagging.

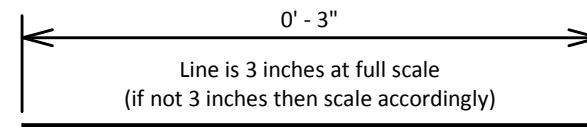
124800 Entrance floor mats

- 1. Walk off mat
A. Product: Coral Brush tile by Forbo Flooring Systems or equivalent manufactured product.
B. Total thickness: approx. 9mm. Pile thickness: approx. 7mm.
C. Wear classification: (EN1307): 33, commercial heavy.
D. Adhesive: Forbo FRT 950 recommended by manufacturer.
E. Color: 5730 Vulcan black.
2. Accessories
A. Carpet metal trim by Futura Industries or equivalent manufactured product. 1 1/4" vinyl insert pinless carpet metal DIE 4675.
B. Vinyl trim by Futura Industries or equivalent manufactured product. 1 1/2" snap-in divider 460030 VT 703 BLK.

265213 Exit signs

- 1. Manufacturer/Model: Lithonia #LOM, Chloride, CREE or equivalent manufactured product.
2. Housing: Brushed Aluminum Stencil Face
3. Lamp: LED, Load: 5 VA
4. Optics: Green Letters
5. Driver: Electronic Driver
Mounting: Install using manufacturer's instructions.

DRAWN BY: RG
CHECKED BY: DC



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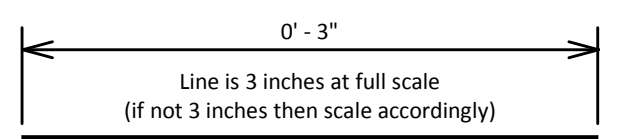
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PRODUCT NOTES

SHEET NUMBER:

G-004

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PREPARED FOR:

HILLSBORO SCHOOL DISTRICT
4901 SE Witch Hazel Rd, Hillsboro, OR



PROJECT NAME & ADDRESS:
NEW ACCESS DOOR

LIBERTY HIGH SCHOOL
7445 NW Wagon Way
Hillsboro, OR 97124



KERRY W. VANDERZANDEN
ARCHITECT, P.C.
13981 NW MAIN STREET
BANKS, OREGON 97106
(503) 324-5220 / (503) 324-0883 FAX

REVISIONS:		
No.	Date	Description

PROJECT NUMBER: 180969
DATE: 03-04-2019

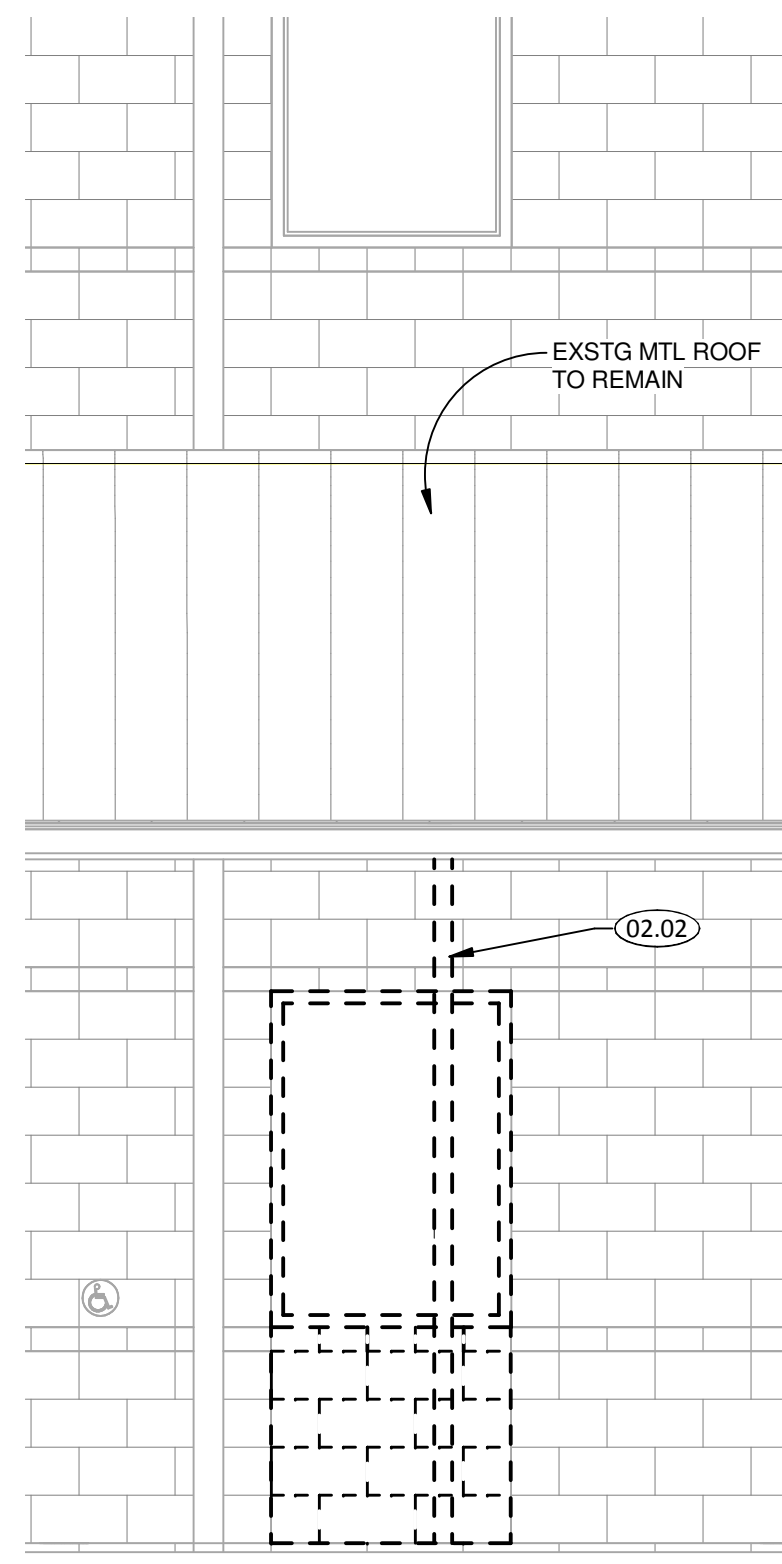
PERMIT SUBMITTAL

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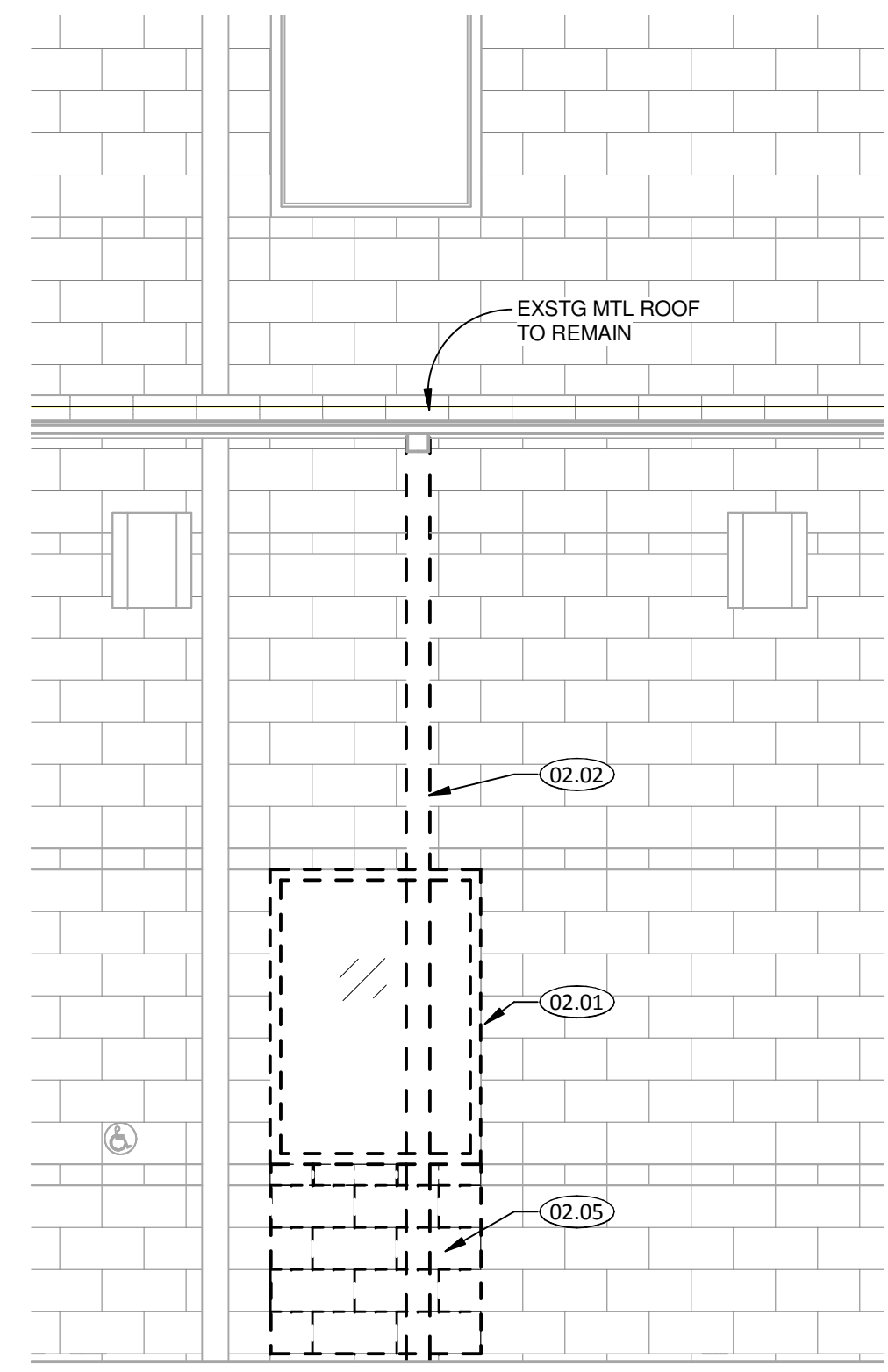
DEMO PLAN

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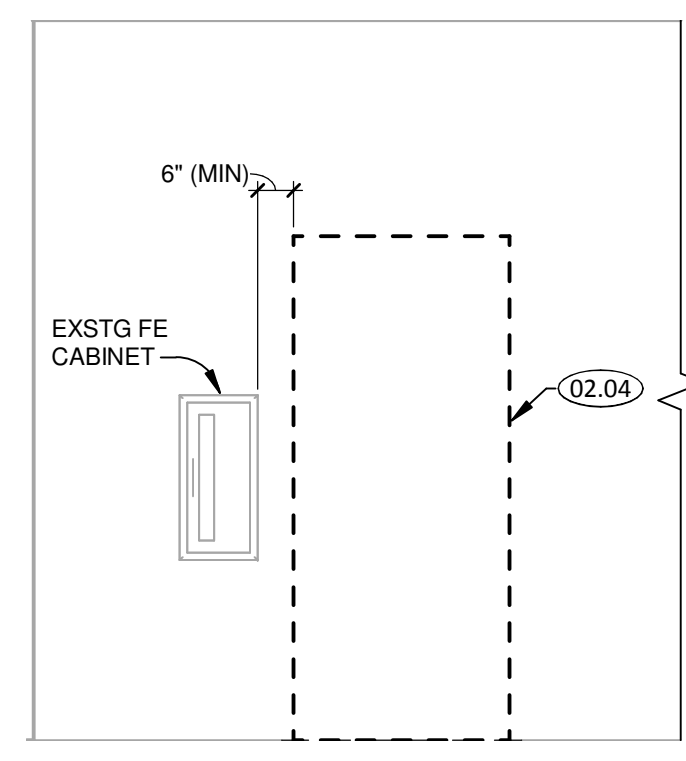
G-005



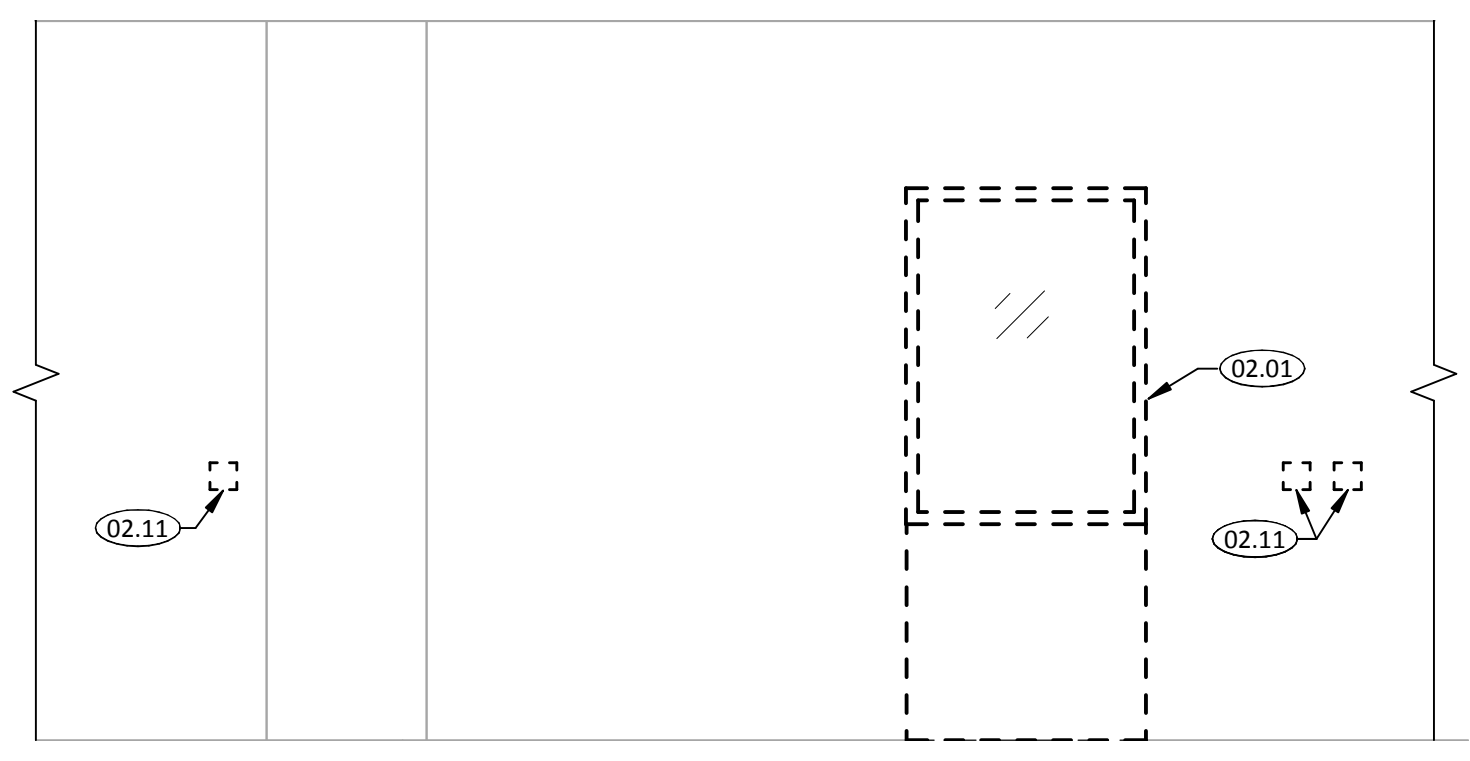
2 ELEVATION - SOUTH
3/8" = 1'-0"



3 ELEVATION - SOUTH
3/8" = 1'-0"



4 ELEVATION - NORTH
3/8" = 1'-0"



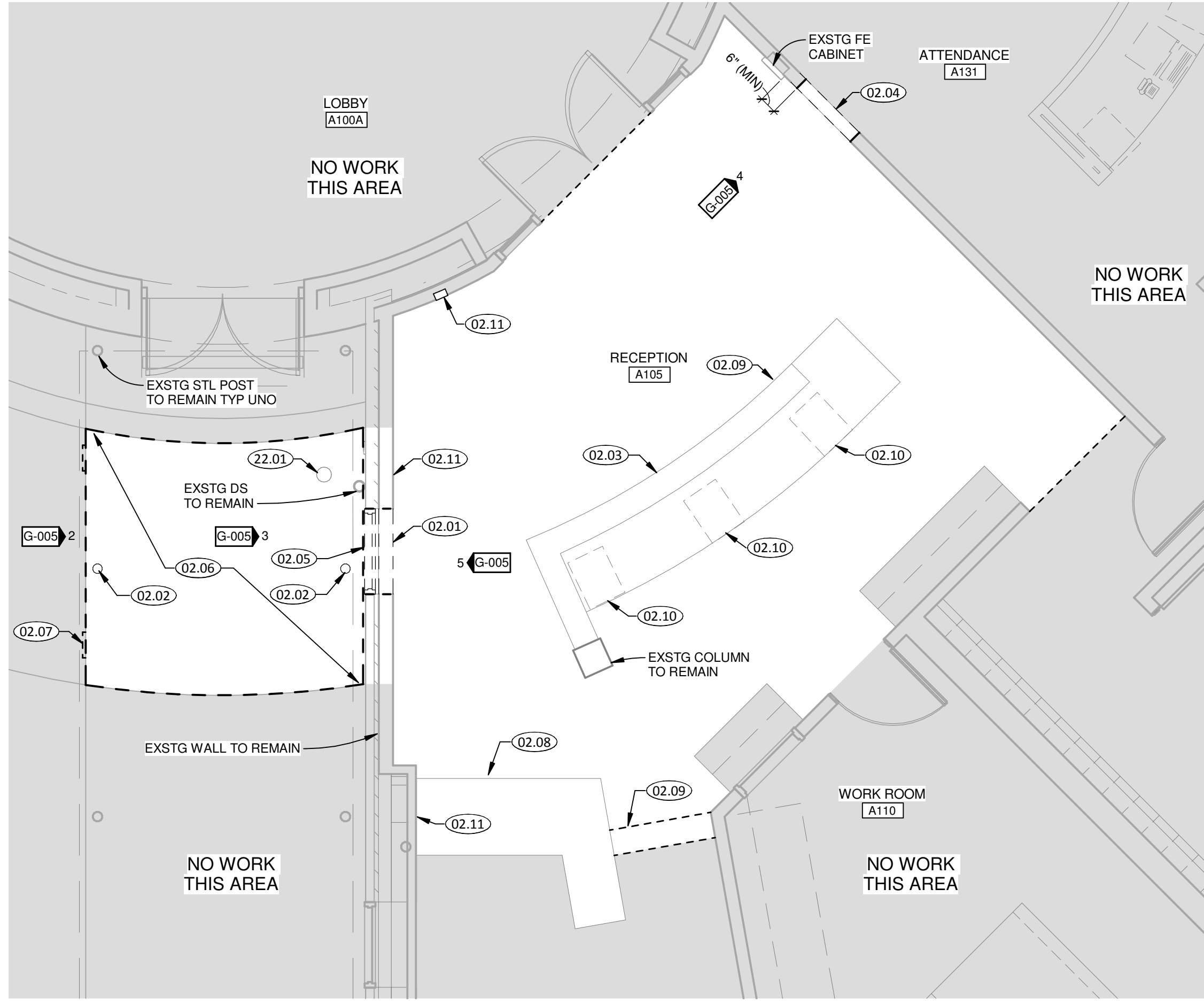
5 ELEVATION - SOUTH
3/8" = 1'-0"

GENERAL NOTES

- A. ALL DIMENSIONS TO EXSTG COMPONENTS ARE ± 3".
- B. PLAN DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- C. PATCH WALLS, FLOORS, CEILINGS AND FINISHES AS REQD AT ALL AREAS OF DEMOLITION WORK.
- D. REMOVE EXSTG PAD AND CARPET AS REQD FOR NEW WORK.
- E. CONFIRM EXTENT OF DEMOLITION W/ NEW DRAWINGS AND DETAILS.

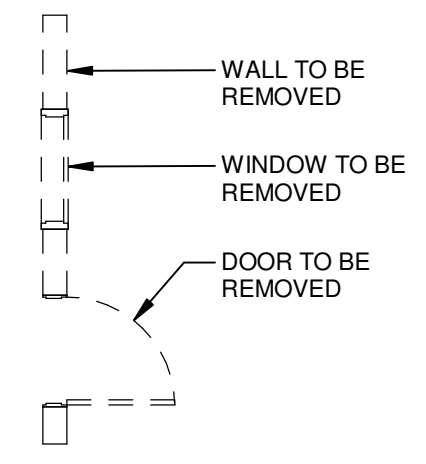
KEYED NOTES

02.01	REMOVE EXSTG WINDOW AND PORTION OF WALL BELOW. REMOVE AND RELOCATE EXSTG WALL RECEPTACLES AS REQD
02.02	REMOVE EXSTG STEEL COLUMN
02.03	DEMO EXSTG CASEWORK (DASHED)
02.04	DEMO PORTION OF WALL AS REQD FOR NEW DOOR
02.05	SAW CUT EXSTG VENEER CLEAN AND STRAIGHT. NEW FRESH SURFACE TO ALIGN W/ FACE OF EXSTG OPENING
02.06	DEMO EXSTG CONC SLAB UP TO EXSTG ADJACENT CONTROL JOINT
02.07	EXCAVATE UNDER EXSTG CONC SLAB AS REQD TO EARTHFORM NEW FTG (TYP 2 PLACES)
02.08	CAREFULLY REMOVE EXSTG COUNTERTOP AND BASE CABINETS AND SALVAGE FOR REUSE
02.09	CAREFULLY REMOVE EXSTG CARPET & PAD AS REQD AND SALVAGE FOR REUSE. BID ALTERNATE #1: REMOVE ALL CARPET, PAD & ADHESIVE IN RECEPTION A105
02.10	CAREFULLY REMOVE EXSTG BASE CABINET AND SALVAGE FOR REUSE
02.11	REMOVE EXSTG GYP BD AS REQD FOR NEW WORK
22.01	EXSTG CLEANOUT TO REMAIN. EXTEND PIPE AS REQD FOR FLUSH CONDITION AT NEW LANDING



1 EXSTG/DEMO PLAN
1/4" = 1'-0"

LEGEND



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0' - 3"
 Line is 3 inches at full scale
 (if not 3 inches then scale accordingly)

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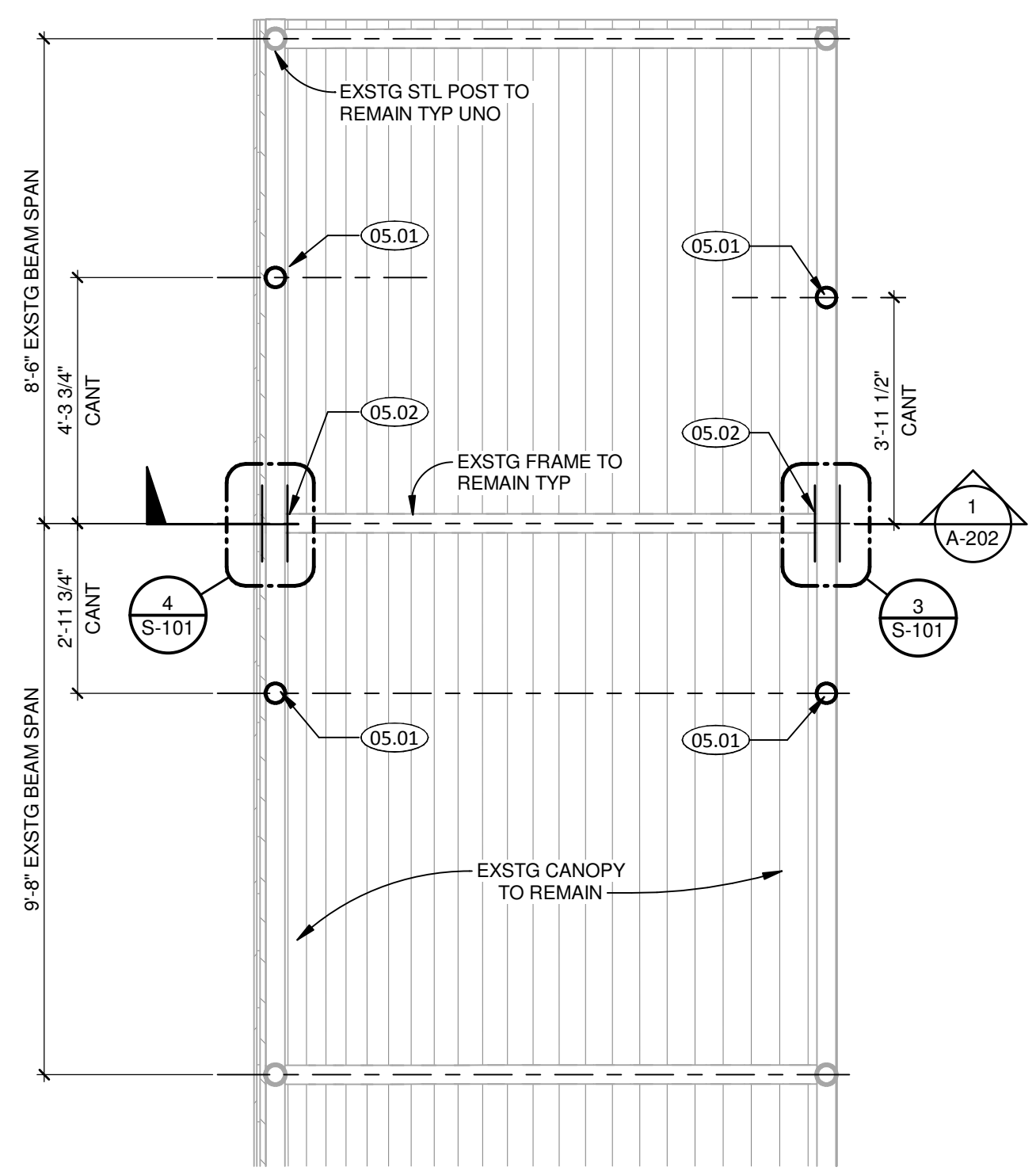
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FOUNDATION PLAN

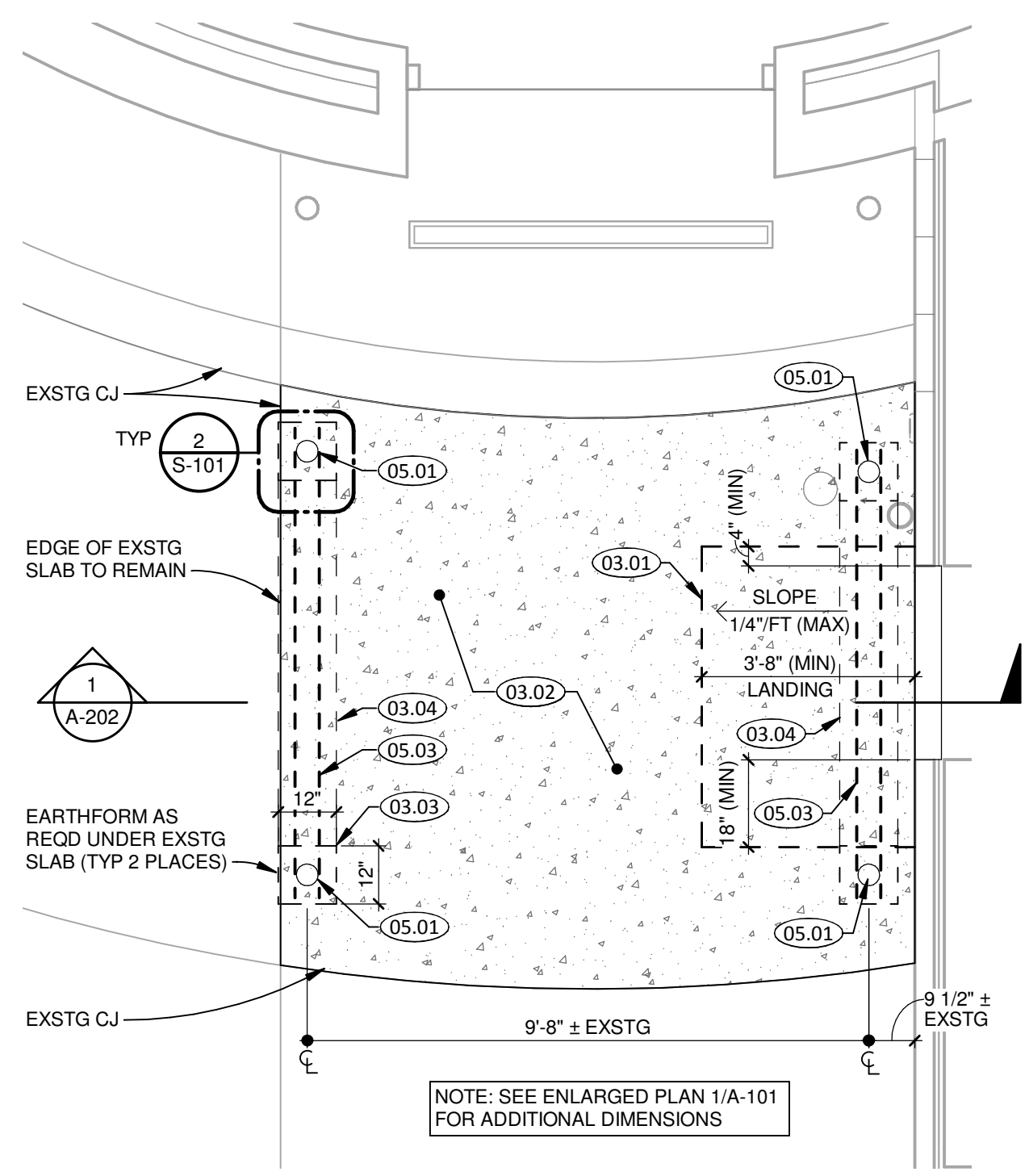
SHEET NUMBER:

S-101

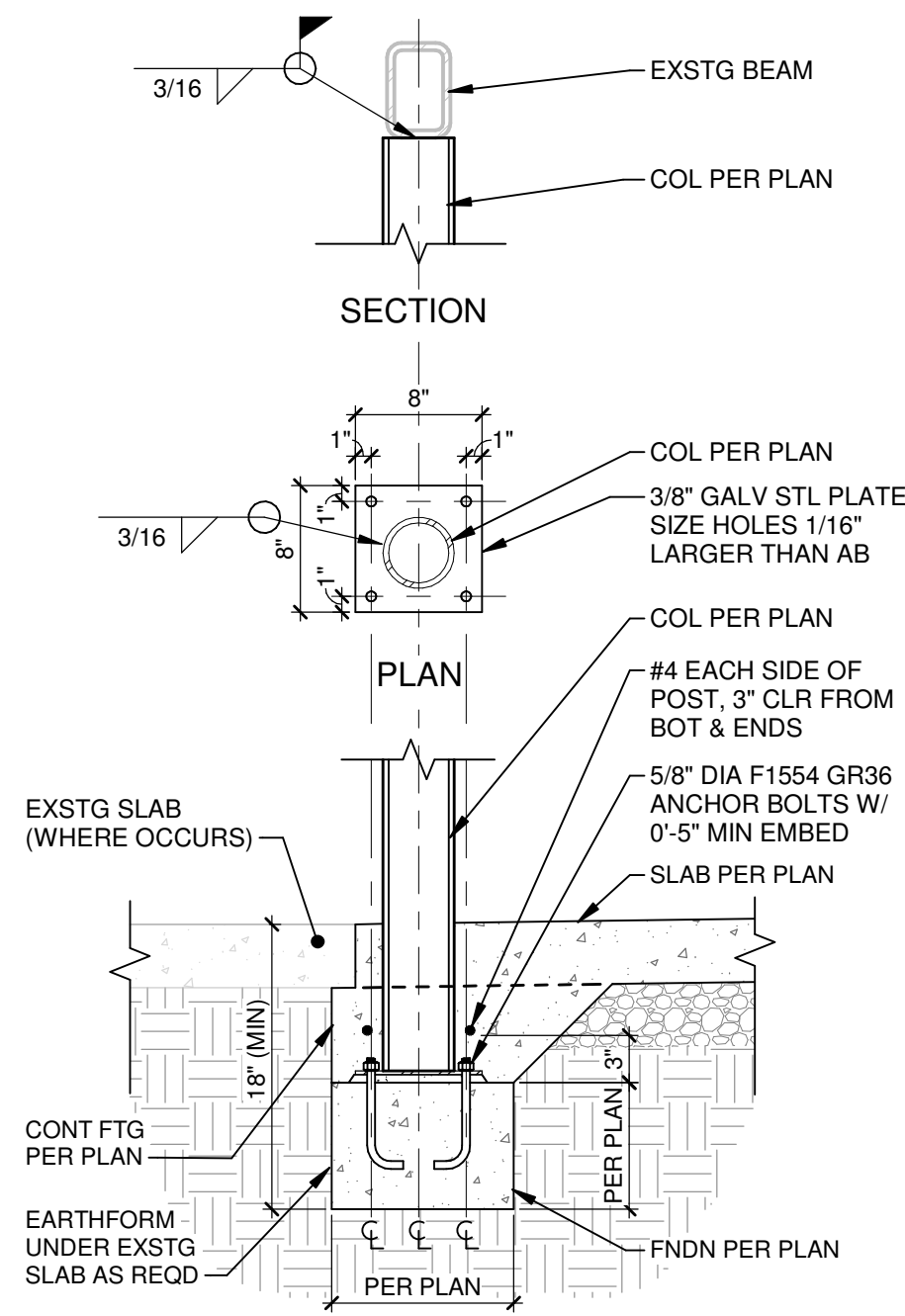
NOT FOR CONSTRUCTION



5 ENLARGED CANOPY PLAN
 3/8" = 1'-0"



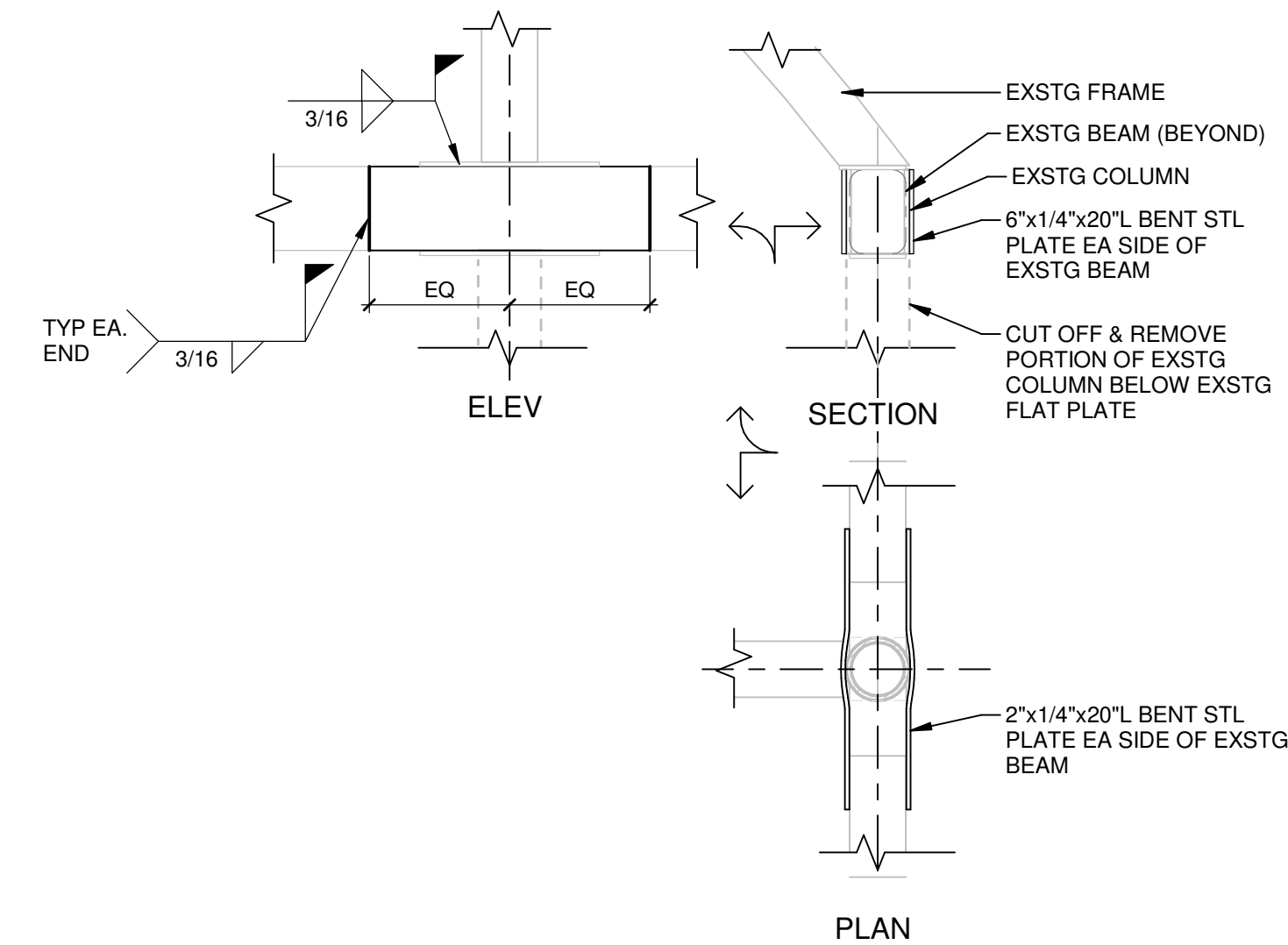
1 ENLARGED PLAN
 3/8" = 1'-0"



2 POST & FTG
 1" = 1'-0"



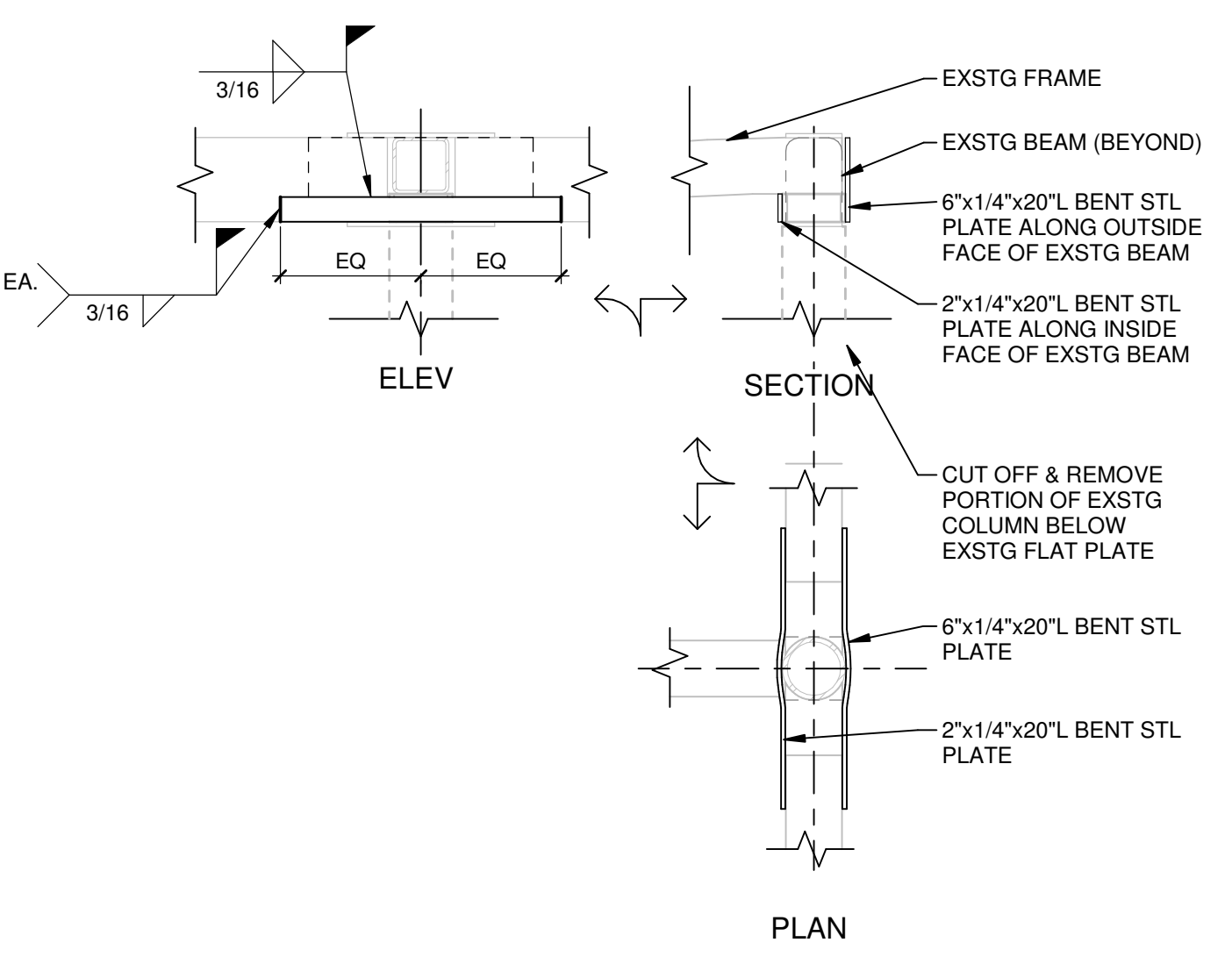
EXSTG CONNECTION



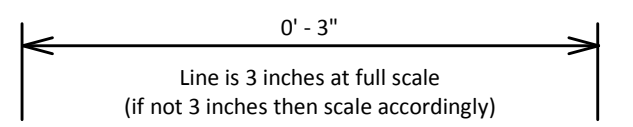
4 REINFORCE LOWER BEAM
 1" = 1'-0"



EXSTG CONNECTION



3 REINFORCE UPPER BEAM
 1" = 1'-0"



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SHEET TITLE:

FLOOR PLAN

SHEET NUMBER:

A-101

MARK	SIZE	WIDTH	HEIGHT	DOOR				FRAME				HARDWARE				SIGNAGE	MARK	REMARKS		
				PANEL TYPE	STYLE	MATL	FINISH	TYPE	FINISH	CLOSER	THRESHOLD	WEATHER STRIP	SOUND SEAL	SILENCERS	STOP				KICK PLATE	CYLINDER LOCK
01	36" x 90"	3'-0"	7'-6"	C	HALF LITE	HM	PT	HM	PT	SEE REMARKS	YES	YES	-	-	-	SEE REMARKS	YES	SEE REMARKS	01	A, B, C, D, E, F, G, H, I
02	36" x 84"	3'-0"	7'-0"	B	VISION PANEL	SCW	SEE REMARKS	HM	PT	SEE REMARKS	-	-	YES	YES	CLOSER	YES	YES	CLASSROOM SECURITY LOCK	02	J, K, L

DOOR SCHEDULE REMARKS

- A - CUSTOM DOOR FRAME AND DOOR PANEL - VERIFY HEIGHT & DEPTH REQD. ALLOW ADEQUATE TIME FOR SPECIAL ORDERING
- B - EXIT DEVICE W/ ELECTRIC LATCH RETRACTOR BY OTHERS
- C - PREP FRAME FOR DOOR CONTACT & POWER TRANSFER DEVICE
- D - SIGNAGE: "MAIN OFFICE" ON GLAZING
- E - POWER TRANSFER DEVICE BY OTHERS
- F - DOOR LIMIT SWITCH FOR AIR CURTAIN, SEE MECHANICAL DRAWINGS
- G - CLOSER: BY OTHERS
- H - LOCK: BY OTHERS
- I - LOCK CYLINDER: BY OTHERS
- J - CLOSER: LCN 4041
- K - LOCK: SCHLAGE D SERIES, RHODES LEVER DESIGN
- L - FINISH: MATCH EXSTG ADJACENT DOOR PANEL COLOR

LATCH FUNCTIONS

- CLASSROOM - KEY IN EITHER LEVER LOCKS OR UNLOCKS OUTSIDE LEVER. INSIDE SECURITY LOCK LEVER ALWAYS UNLOCKED.
- EXIT DEVICE - PANIC HARDWARE AT EGRESS SIDE. U.N.O. PROVIDE LEVER OPERATION AT PULL SIDE AND CYLINDER LOCKS AT EXT DOORS.

DOOR & HARDWARE REQS

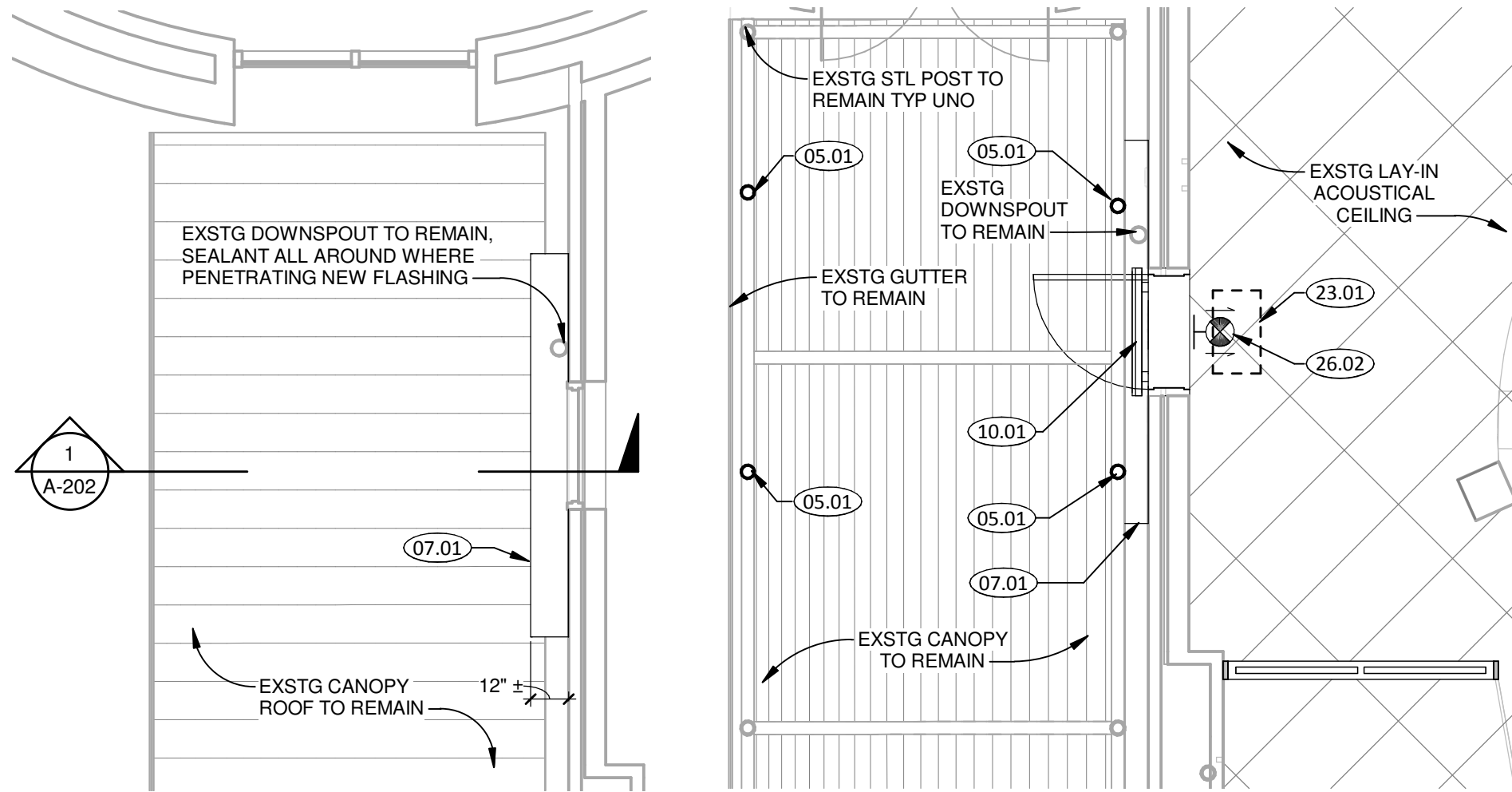
1. PROVIDE HARDWARE ITEMS WHERE SCHEDULE INDICATES "YES"; SINGLE DASH OR BLANK CELL MEANS DO NOT PROVIDE
2. PANEL THICKNESS: 1 3/4" UNO
3. ALL DOORS TO BE OPENABLE FROM EGRESS SIDE WITH ONE OPERATION TO UNLATCH DOOR, SLB MAX AT LEVER HANDLES
4. ALL GLAZING IN DOORS TO BE SAFETY GLAZING

ABBREVIATIONS

- HM - PANEL: HOLLOW METAL 18 GA; FRAME: HOLLOW METAL 16 GA WELDED MANUF - MANUFACTURER'S STANDARD
- PT - PAINTED
- SCW - SOLID CORE PANEL

GENERAL DOOR REQS

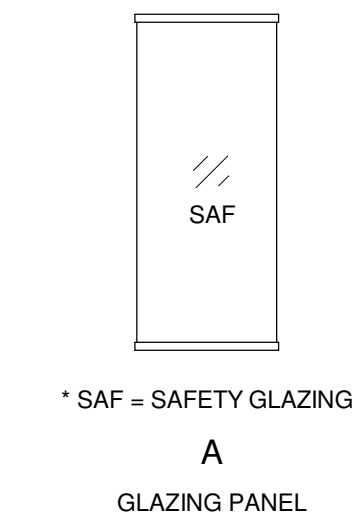
- DOOR REQUIREMENTS**
- ALL GLAZING IN DOORS TO BE SAFETY GLAZING
 - U-FACTOR AT EXTERIOR DOORS SHALL NOT EXCEED 0.70
 - ALL OPERABLE LATCHSETS (OTHER THAN PANIC OR EXIT DEVICES) SHALL BE LEVER OPERATED
 - UNLESS NOTED OTHERWISE, DOORS SHALL ALWAYS BE OPERABLE FROM THE EGRESS SIDE WITHOUT KEY OR "SPECIAL KNOWLEDGE OR EFFORT"
 - CLOSERS REQUIRED AT EXTERIOR DOORS
 - WEATHERSTRIP, BOTTOM SWEEP, AND THRESHOLD REQUIRED AT ALL EXTERIOR DOORS
 - COMPLY WITH STATE AND LOCAL BUILDING CODES AND ANSI A117.1 CURRENT EDITION (ADA)



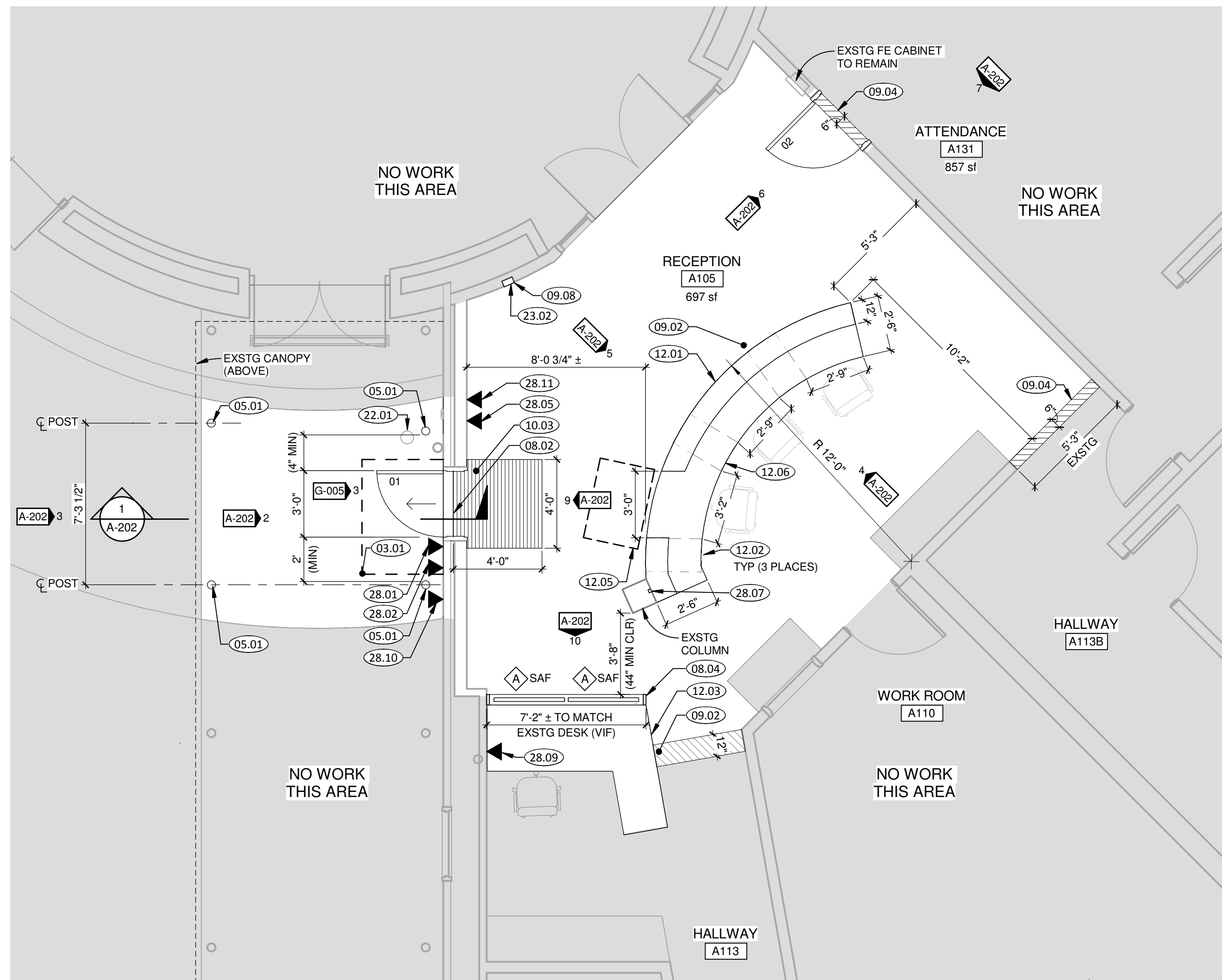
2 CANOPY ROOF PLAN
1/4" = 1'-0"

3 CEILING PLAN
1/4" = 1'-0"

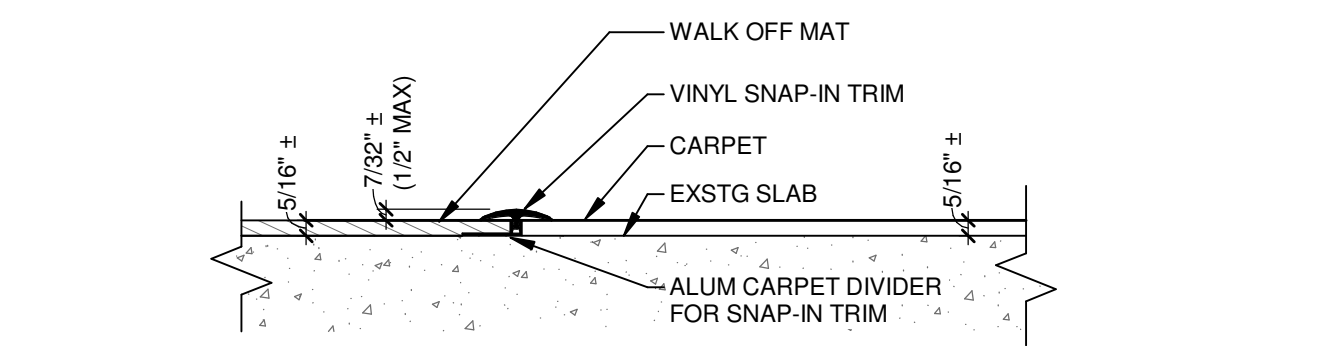
WINDOW TYPES



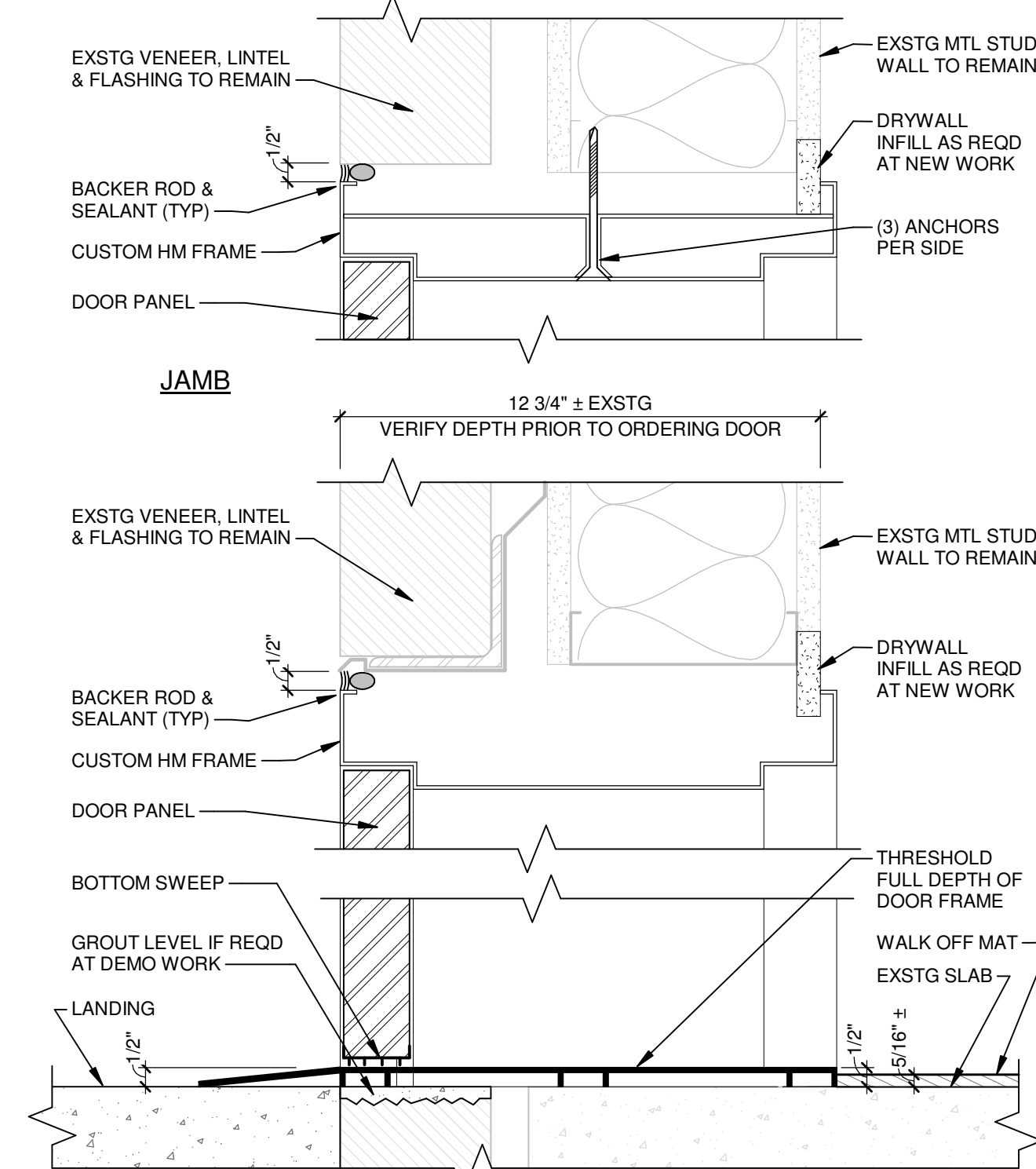
DOOR TYPES



1 ENLARGED PLAN
1/4" = 1'-0"



5 WALK OFF MAT TRANSITION STRIP
3" = 1'-0"



4 HM DOOR AT VENEER
3" = 1'-0"

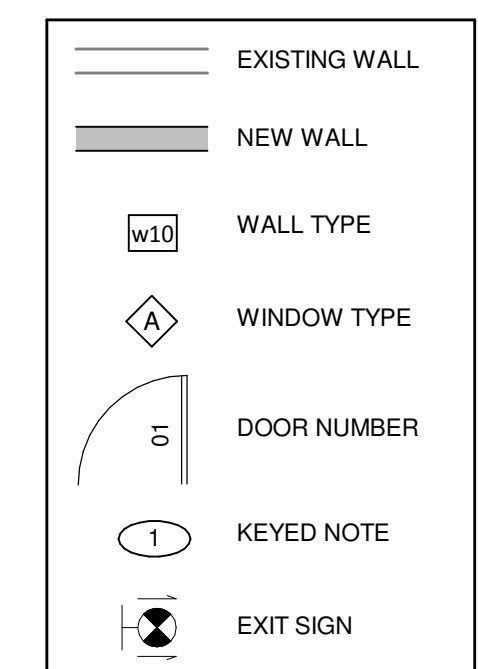
GENERAL NOTES

- A. ALL DIMENSIONS TO EXSTG COMPONENTS ARE ± 3".
- B. PLAN DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- C. PATCH WALLS, FLOORS, CEILINGS AND FINISHES AS REQD AT ALL AREAS OF DEMOLITION WORK.
- D. CONFIRM EXTENT OF DEMOLITION W/ NEW DRAWINGS AND DETAILS.
- E. FINAL LIGHTING TO BE DESIGNED BY OTHERS.
- F. RELOCATE LIGHTING AND MECHANICAL AS REQUIRED FOR NEW CONSTRUCTION.
- G. PROVIDE 90 MINUTE EMERGENCY POWER FOR ILLUMINATION OUTSIDE NEW EXTERIOR DOOR.
- H. COVER ALL NEW EMPTY EXPOSED ELECTRICAL BOXES WITH DECORATIVE METAL COVER PLATES.
- I. TERMINATE NEW EMPTY CONDUIT W/ END CAP UNO.

KEYED NOTES

03.01	NEW CONC LANDING, 3'-8" MIN IN DIRECTION OF TRAVEL @ 1/4" PER FLOOT SLOPE MAX
05.01	NEW STEEL COLUMN, PAINT TO MATCH EXSTG
07.01	NEW 10' LENGTH 20 GA SHT MTL FLASHING SEALED AT EXSTG GROUT JOINT. ALIGN CENTER OF FLASHING W/ CENTER OF DOOR OPENING BELOW
08.02	NEW THRESHOLD FULL DEPTH OF HM DOOR JAMB
08.04	NEW SECURITY SCREEN W/ GLAZING & PLAM PANEL
09.02	INSTALL SALVAGED CARPET AS REQD AT NEW WORK TYP. COLOR AND PATTERN TO MATCH EXSTG. BID ALTERNATE: INSTALL NEW CARPET & PAD IN RECEPTION A105
09.04	BID ALTERNATE: INSTALL NEW CARPET TRANSITION STRIP PER PLAN, COLOR: BLACK
09.08	PATCH WALL AS REQD, PAINT WALL TO NEAREST CORNER AND FROM FLOOR TO CEILING.
10.01	NEW WALL SIGNAGE W/ LETTERING "WELCOME". SUBMIT SHOP DRAWINGS
10.03	NEW GLUE DOWN CARPET WALK OFF MAT W/ METAL TRANSITION STRIPS & VINYL TRIM
12.01	NEW COUNTERTOP & UPPER SHELF W/ FRONT & END PANELS TO MATCH EXSTG
12.02	INSTALL SALVAGED BASE CABINET
12.03	INSTALL SALVAGED CASEWORK
12.05	PARALLEL APPROACH PER ANSI A117.1 606.2 EXCEPTION 1
12.06	PROVIDE CHASE TO PULL FUTURE LOW VOLTAGE WIRE
22.01	EXSTG CLEANOUT TO REMAIN. EXTEND PIPE AS REQD FOR FLUSH CONDITION AT NEW LANDING
23.01	NEW CEILING MOUNTED HOT WATER AIR CURTAIN PER MECHANICAL DRAWINGS. CONTRACTOR TO ENSURE ATTACHMENT IS RIGID AND BRACED TO WALLS PER MANUFACTURER INSTRUCTIONS AND PER ALL APPLICABLE CODES. CENTER AIR CURTAIN ABOVE NEW DOOR AND RIGIDLY BRACE TO ADJACENT WALL FOR CLEAN CEILING INSTALL. SEE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
23.02	120V THERMOSTAT FOR AIR CURTAIN, SEE MECHANICAL DRAWINGS. PROVIDE CONDUIT, RECEPTACLE BOX, AND WIRING TO ABOVE CEILING AS REQD.
26.02	NEW INTERNALLY ILLUMINATED EXIT SIGN. 1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO LOCATION ABOVE CEILING. CONTRACTOR TO VERIFY AVAILABLE POWER FOR EXIT SIGN AND CONFIRM THAT WITH OWNER AND OBTAIN OWNER'S APPROVAL
28.01	WATERPROOF SURFACE MOUNT 4x4 STEEL ELEC BOX AND 1 GANG MUD RING @ +44" W/ 3/4" CONDUIT. DRILL HOLE THRU EXSTG BRICK VENEER AS REQD. CONCEAL CONDUIT WITHIN FURRED WALL FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE VIDEO DOORBELL & WIRING BY OTHERS)
28.02	WATERPROOF SURFACE MOUNT 4x4 STEEL ELEC BOX AND 2 GANG MUD RING @ +54" W/ 3/4" CONDUIT. DRILL HOLE THRU EXSTG BRICK VENEER AS REQD. CONCEAL CONDUIT WITHIN FURRED WALL FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING. (FOR FUTURE VIDEO DOORBELL & WIRING BY OTHERS)
28.05	1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE KEYPAD & WIRING BY OTHERS)
28.07	EMBED 3/4" CONDUIT INTO EXSTG COLUMN (WIRING BY OTHERS)
28.09	1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE DOOR RELEASE BUTTON & WIRING BY OTHERS)
28.10	WATERPROOF SURFACE MOUNT 4x4 STEEL ELEC BOX AND 1 GANG MUD RING @ +44" W/ 3/4" CONDUIT. DRILL HOLE THRU EXSTG BRICK VENEER AS REQD. CONCEAL CONDUIT WITHIN FURRED WALL FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE ADA PADDLE & WIRING BY OTHERS)
28.11	1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE CARD READER & WIRING BY OTHERS)

SYMBOL LEGEND

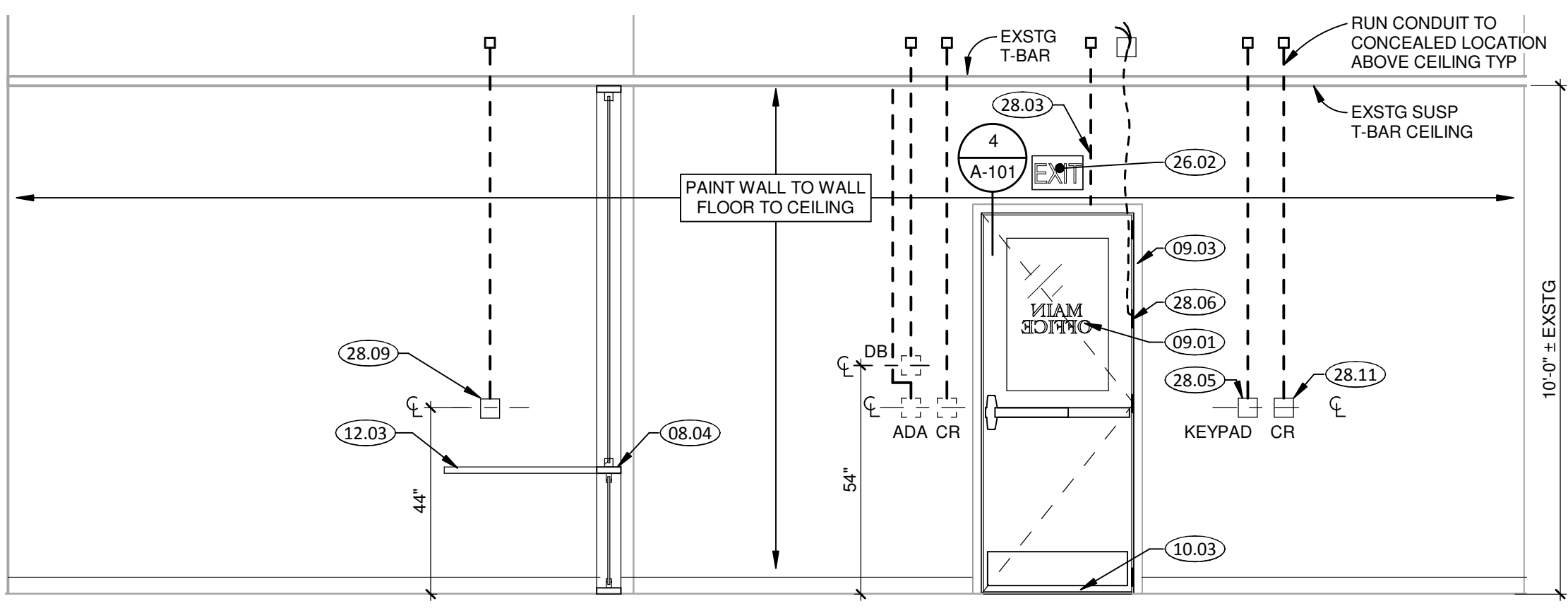


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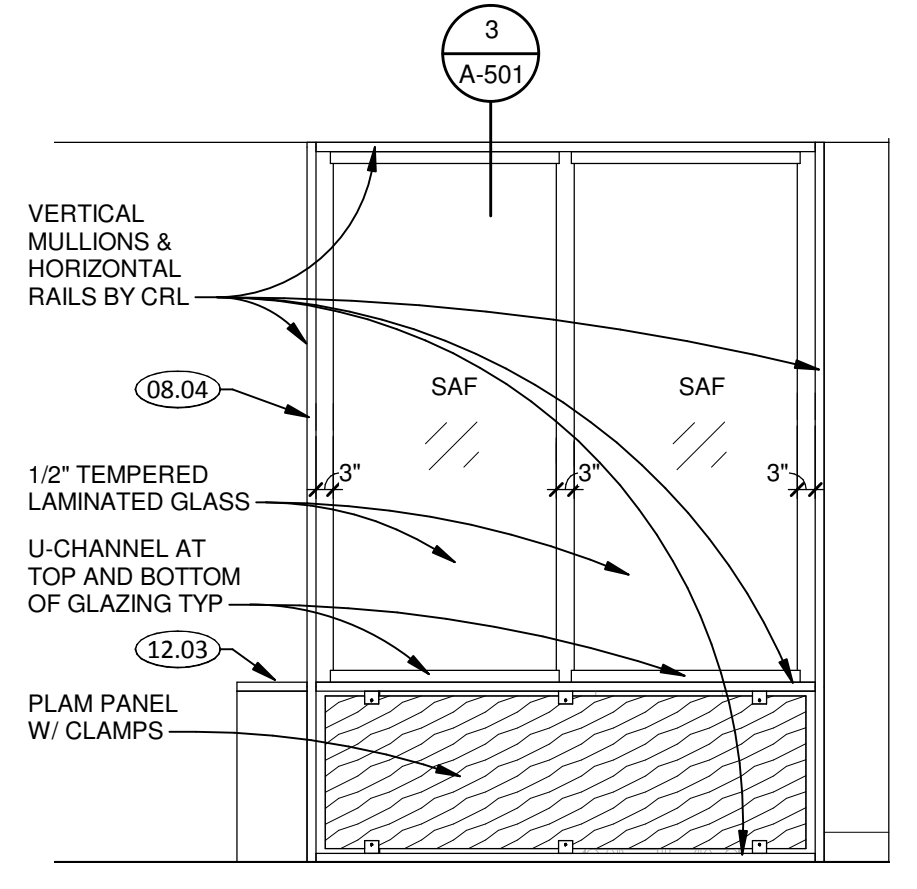


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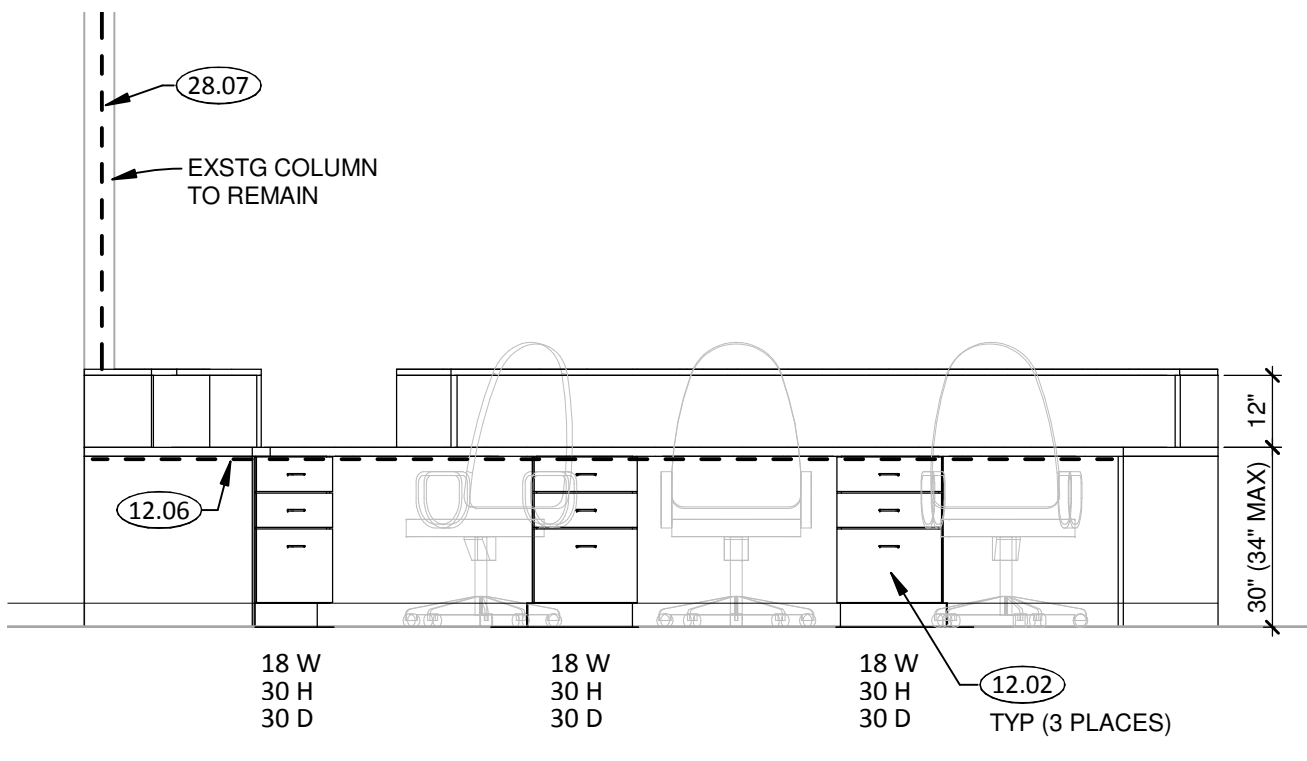
No.	Date	Description



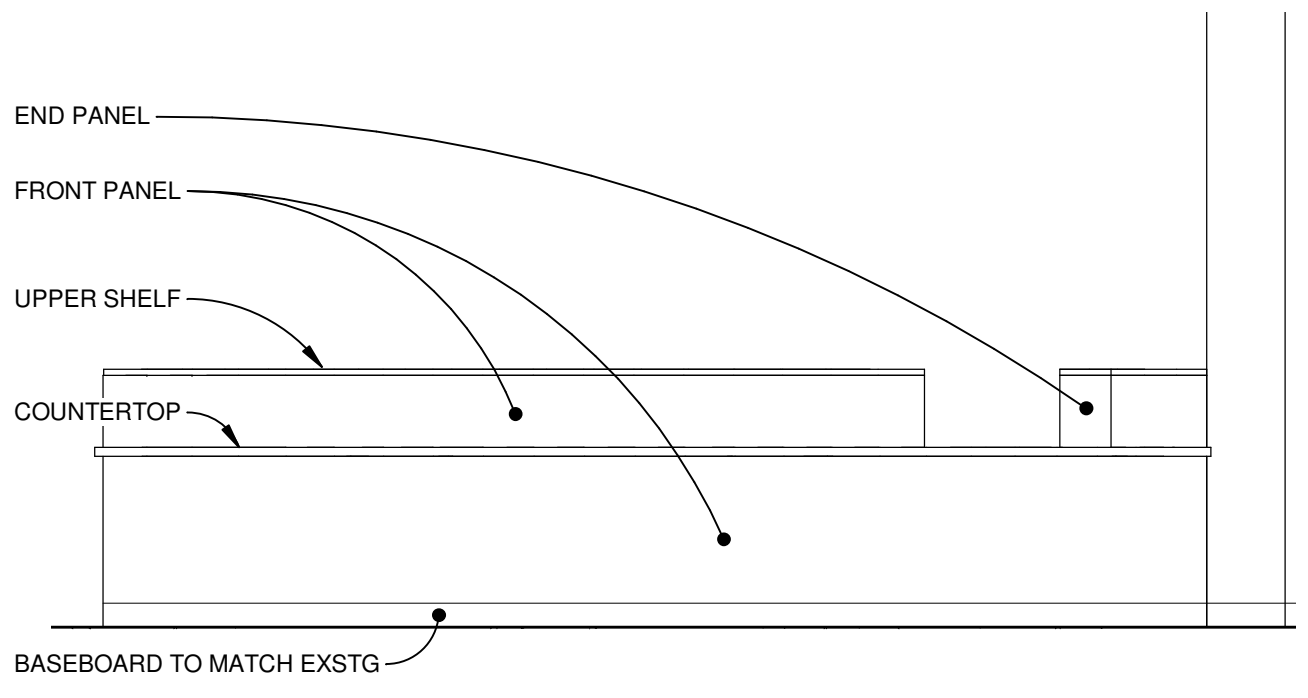
9 ELEVATION - SOUTH
 3/8" = 1'-0"



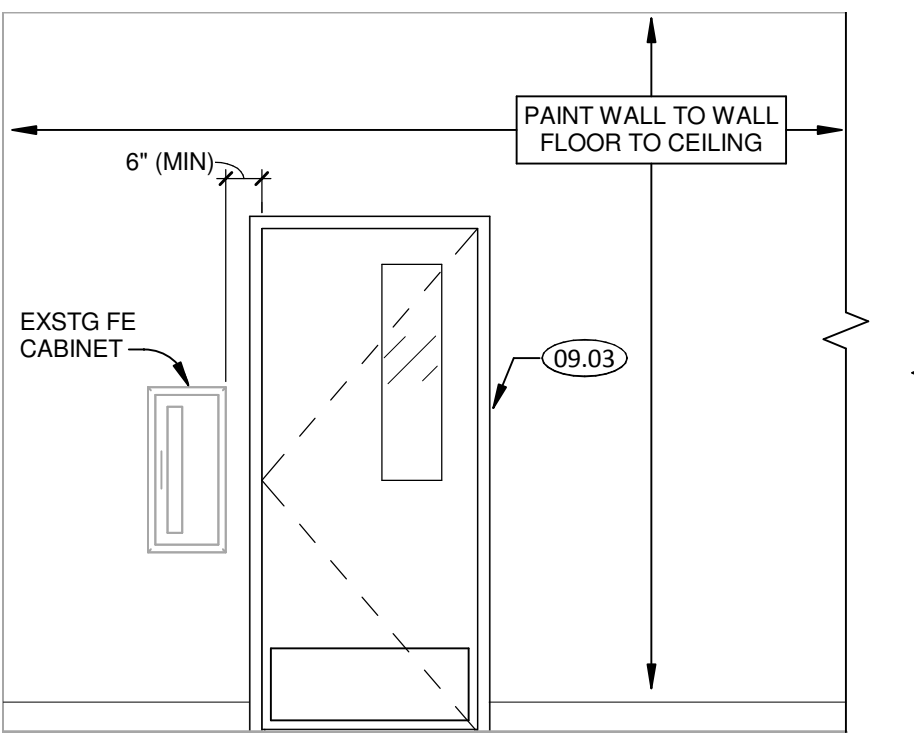
10 ELEVATION - EAST
 3/8" = 1'-0"



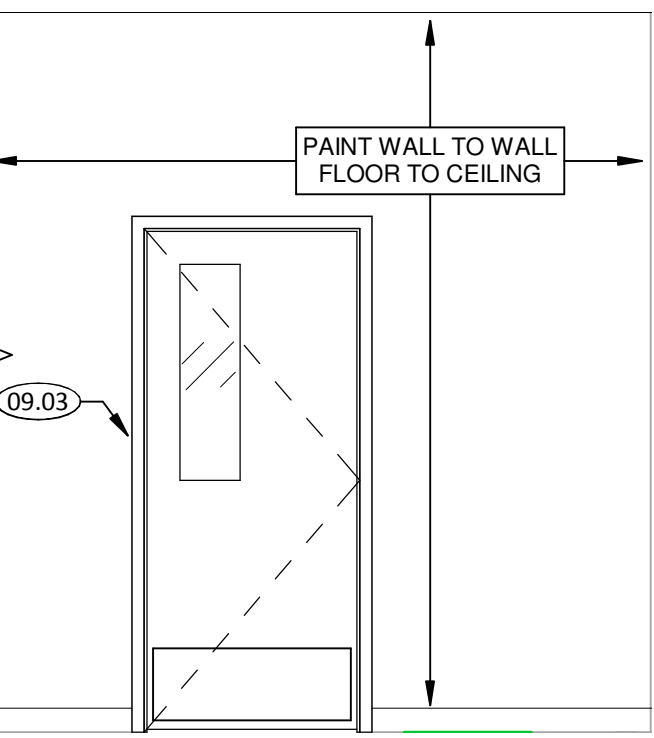
4 ELEVATION - WEST
 3/8" = 1'-0"



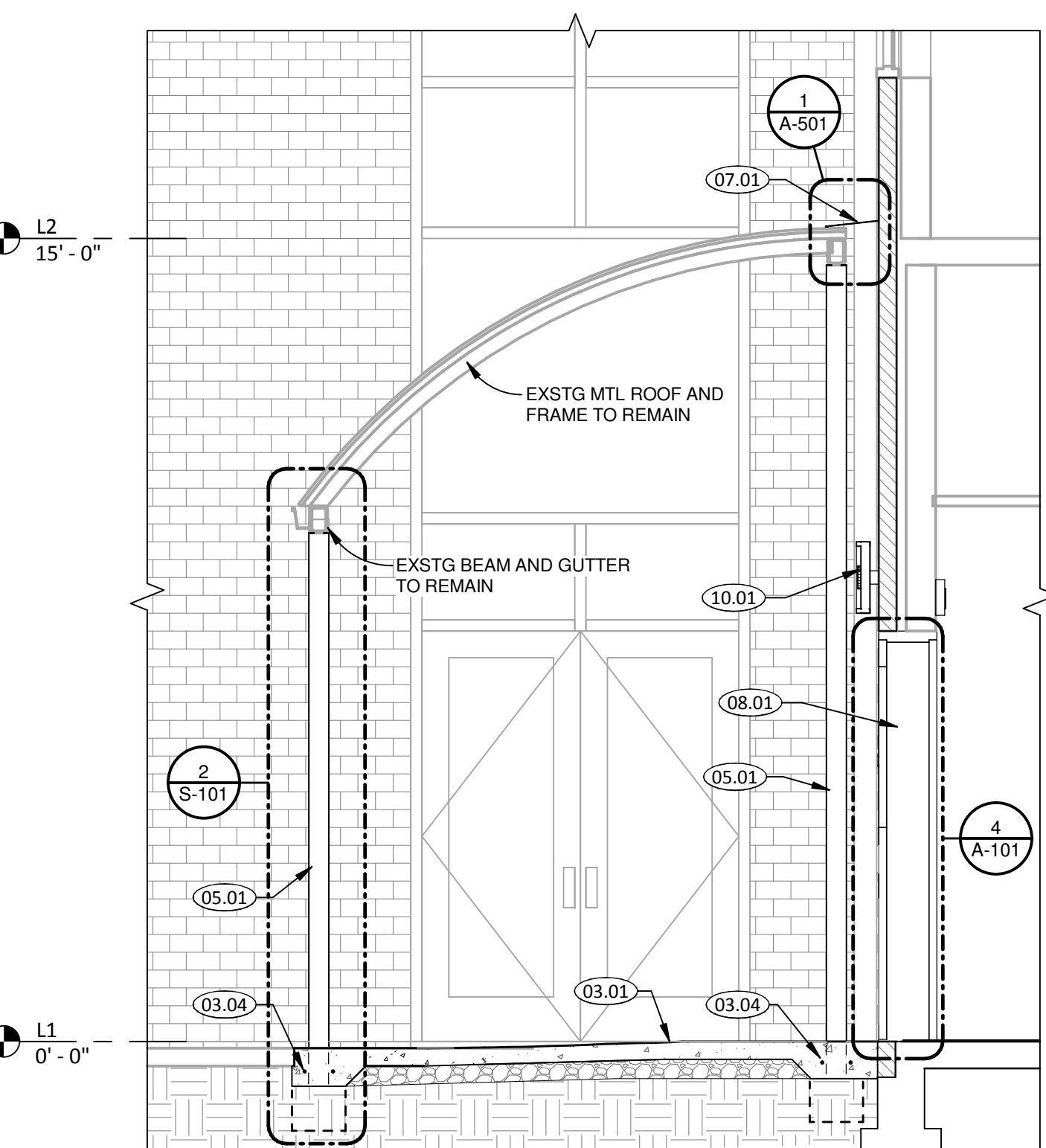
5 ELEVATION - EAST
 3/8" = 1'-0"



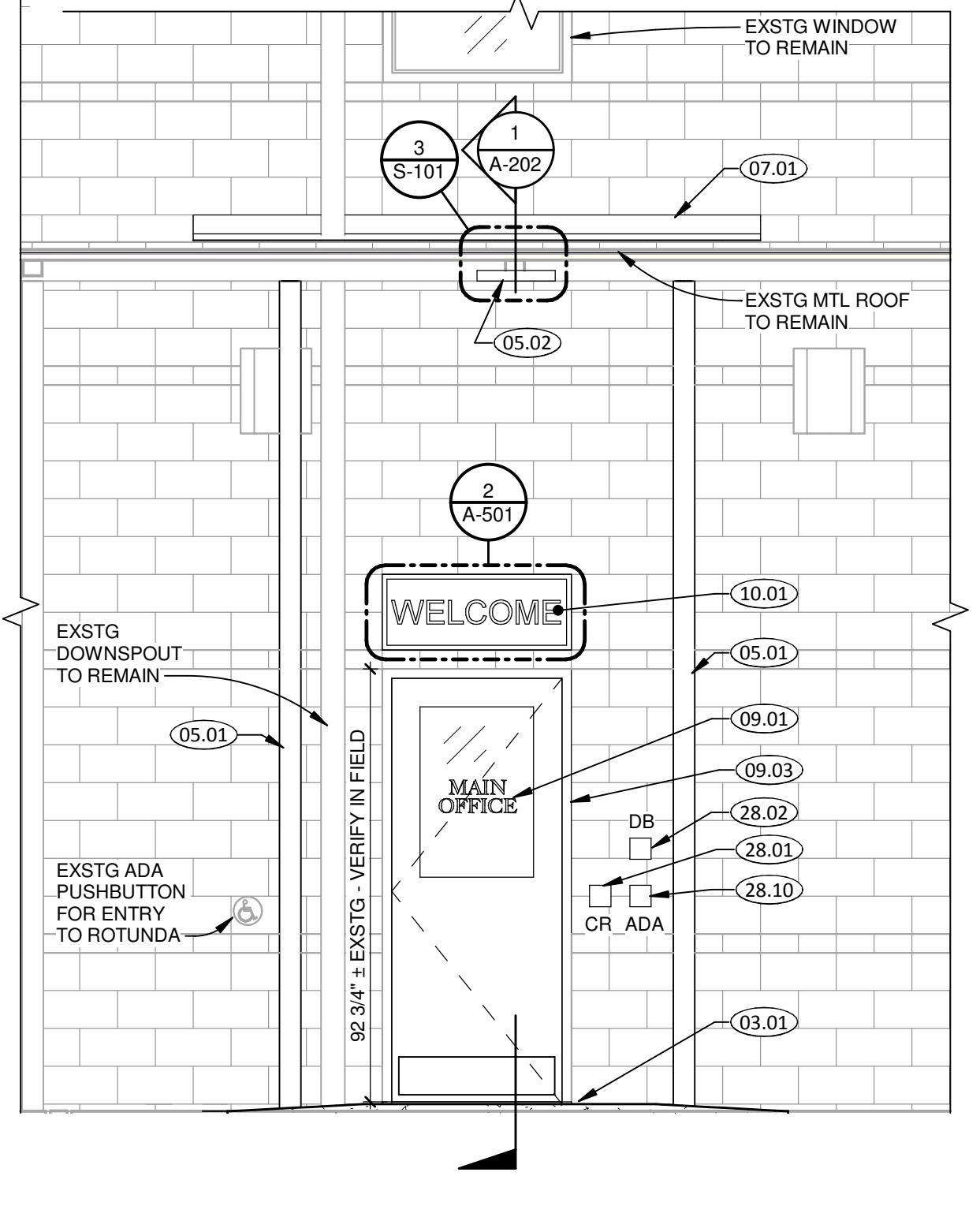
6 RECEPTION - NORTH
 3/8" = 1'-0"



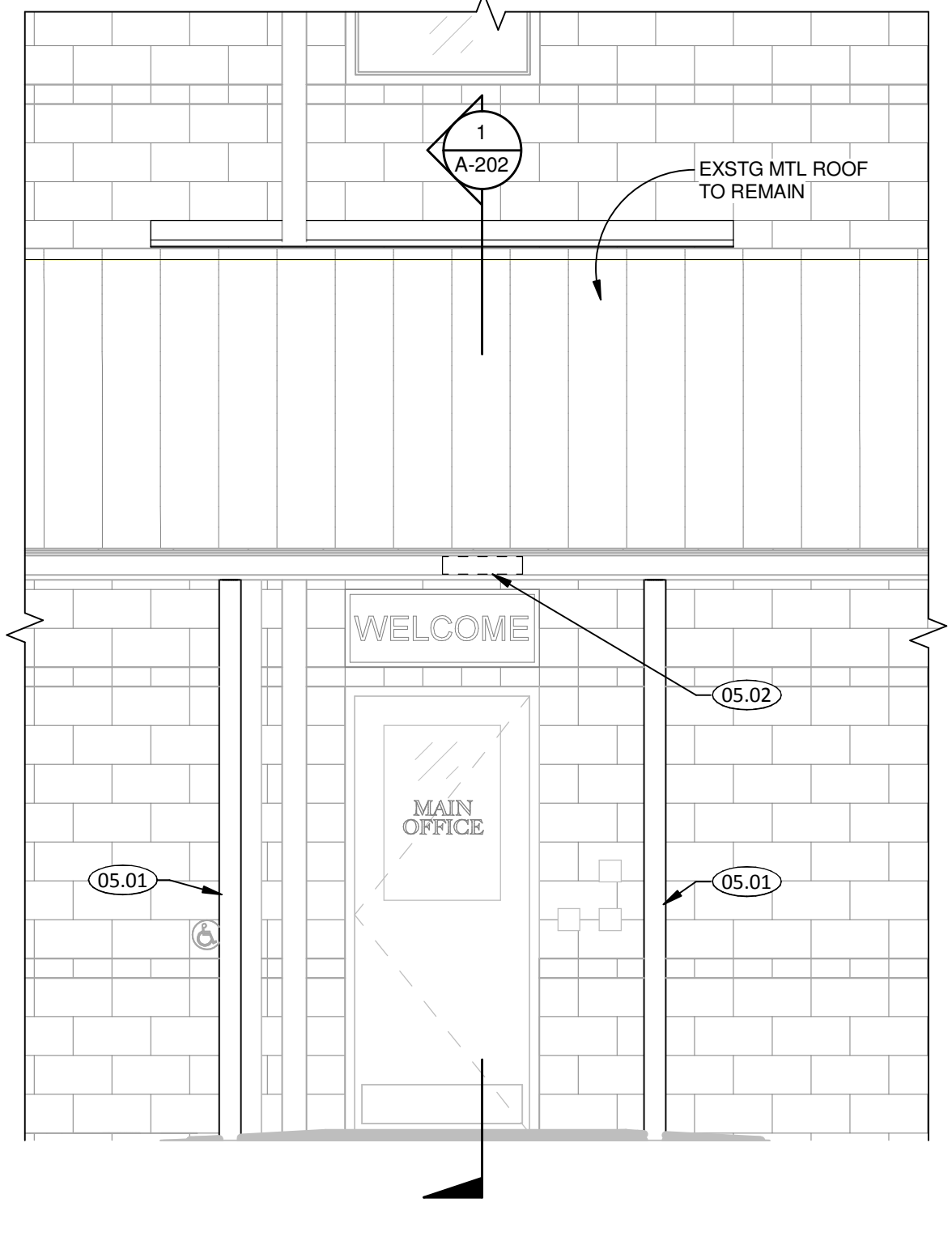
7 ATTENDANCE - SOUTH
 3/8" = 1'-0"



1 SECTION THRU CANOPY
 3/8" = 1'-0"



2 ELEVATION - SOUTH INSET
 3/8" = 1'-0"



3 ELEVATION - SOUTH
 3/8" = 1'-0"

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- C. CONFIRM EXTENT OF DEMOLITION W/ NEW DRAWINGS AND DETAILS.
- D. FINAL LIGHTING TO BE DESIGNED BY OTHERS.
- E. RELOCATE LIGHTING AND MECHANICAL AS REQUIRED FOR NEW CONSTRUCTION.
- F. PROVIDE 90 MINUTE EMERGENCY POWER FOR ILLUMINATION OUTSIDE NEW EXTERIOR DOOR.
- G. COVER ALL NEW EMPTY EXPOSED ELECTRICAL BOXES WITH DECORATIVE METAL COVER PLATES.
- H. TERMINATE NEW EMPTY CONDUIT W/ END CAP UNO.

KEYED NOTES

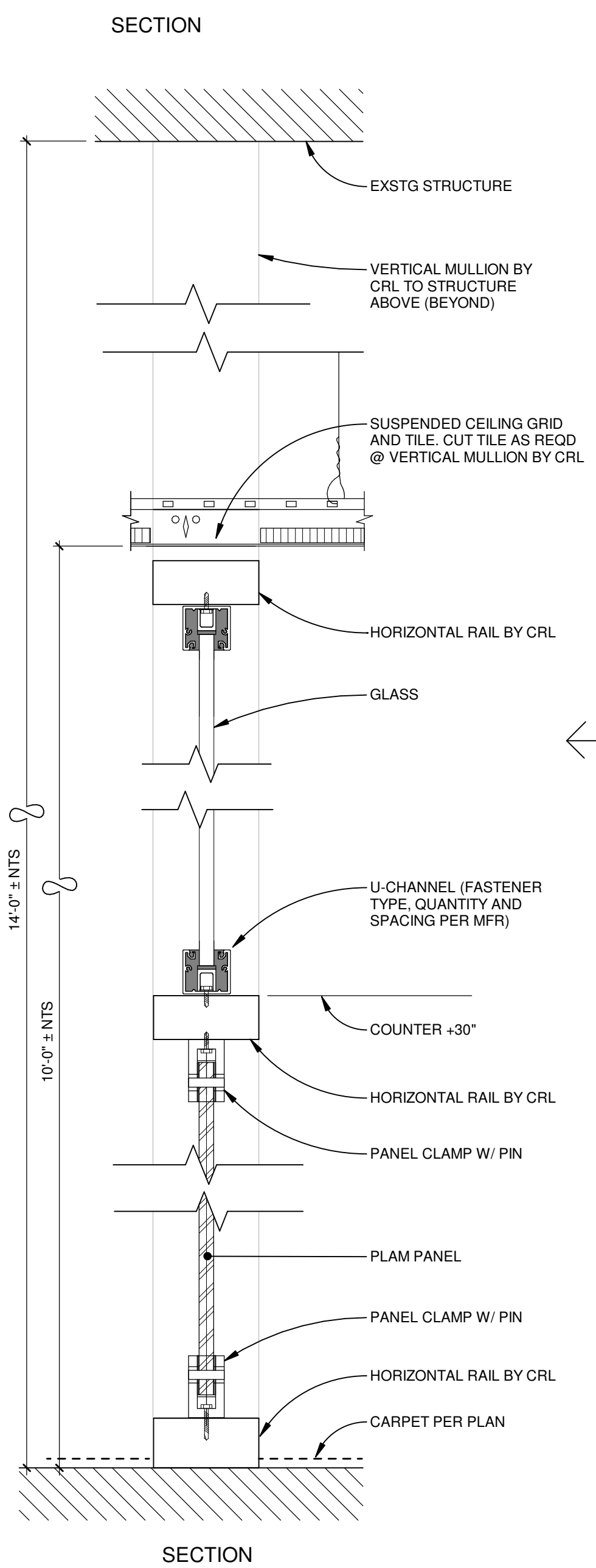
- 03.01 NEW CONC LANDING, 3'-8" MIN IN DIRECTION OF TRAVEL @ 1/4" PER FLOOT SLOPE MAX
- 03.04 NEW 12"W CONT FOOTING
- 05.01 NEW STEEL COLUMN, PAINT TO MATCH EXSTG
- 05.02 NEW STEEL STRAP WHERE EXSTG POST REMOVED
- 07.01 NEW 10' LENGTH 20 GA SHT MTL FLASHING SEALED AT EXSTG GROUT JOINT. ALIGN CENTER OF FLASHING W/ CENTER OF DOOR OPENING BELOW
- 08.01 NEW HOLLOW METAL DOOR PER DOOR SCHEDULE
- 08.04 NEW SECURITY SCREEN W/ GLAZING & PLAM PANEL
- 09.01 ADHESIVE BACKED VINYL LETTERING "MAIN OFFICE"
- 09.03 PAINT FRAME TO MATCH EXSTG WINDOW FRAME COLOR
- 10.01 NEW WALL SIGNAGE W/ LETTERING "WELCOME". SUBMIT SHOP DRAWINGS
- 10.03 NEW GLUE DOWN CARPET WALK OFF MAT W/ METAL TRANSITION STRIPS & VINYL TRIM
- 12.02 INSTALL SALVAGED BASE CABINET
- 12.03 INSTALL SALVAGED CASEWORK
- 12.06 PROVIDE CHASE TO PULL FUTURE LOW VOLTAGE WIRE
- 26.02 NEW INTERNALLY ILLUMINATED EXIT SIGN, 1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO LOCATION ABOVE CEILING. CONTRACTOR TO VERIFY AVAILABLE POWER FOR EXIT SIGN AND CONFIRM THAT WITH OWNER AND OBTAIN OWNER'S APPROVAL
- 28.01 WATERPROOF SURFACE MOUNT 4x4 STEEL ELEC BOX AND 1 GANG MUD RING @ ±44" W/ 3/4" CONDUIT. DRILL HOLE THRU EXSTG BRICK VENEER AS REQ'D. CONCEAL CONDUIT WITHIN FURRED WALL FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE CARD READER & WIRING BY OTHERS)
- 28.02 WATERPROOF SURFACE MOUNT 4x4 STEEL ELEC BOX AND 2 GANG MUD RING @ ±54" W/ 3/4" CONDUIT. DRILL HOLE THRU EXSTG BRICK VENEER AS REQ'D. CONCEAL CONDUIT WITHIN FURRED WALL FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING. (FOR FUTURE VIDEO DOORBELL & WIRING BY OTHERS)
- 28.03 3/4" CONDUIT. CONCEAL CONDUIT WITHIN FURRED WALL FROM DOOR FRAME TO CONCEALED LOCATION ABOVE CEILING. LOCATE CONDUIT AS REQ'D FOR FUTURE DOOR CONTACT & WIRING (FOR FUTURE DOOR CONTACT & WIRING BY OTHERS)
- 28.05 1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE KEYPAD & WIRING BY OTHERS)
- 28.06 CONCEAL (2) 16AWG WIRES IN METAL CLADDING WITHIN WALL FROM DOOR FRAME TO CONCEALED STEEL ELEC BOX ABOVE T-BAR AND TERMINATE W/ 8" TAIL (FOR FUTURE DOOR ELECTRIC POWER TRANSFER BY OTHERS)
- 28.07 EMBED 3/4" CONDUIT INTO EXSTG COLUMN (WIRING BY OTHERS)
- 28.09 1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE DOOR RELEASE BUTTON & WIRING BY OTHERS)
- 28.10 WATERPROOF SURFACE MOUNT 4x4 STEEL ELEC BOX AND 1 GANG MUD RING @ ±44" W/ 3/4" CONDUIT. DRILL HOLE THRU EXSTG BRICK VENEER AS REQ'D. CONCEAL CONDUIT WITHIN FURRED WALL FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE ADA PADDLE & WIRING BY OTHERS)
- 28.11 1 GANG MUD RING W/ 3/4" CONDUIT. CONCEAL CONDUIT FROM ELEC BOX TO CONCEALED LOCATION ABOVE CEILING (FOR FUTURE CARD READER & WIRING BY OTHERS)

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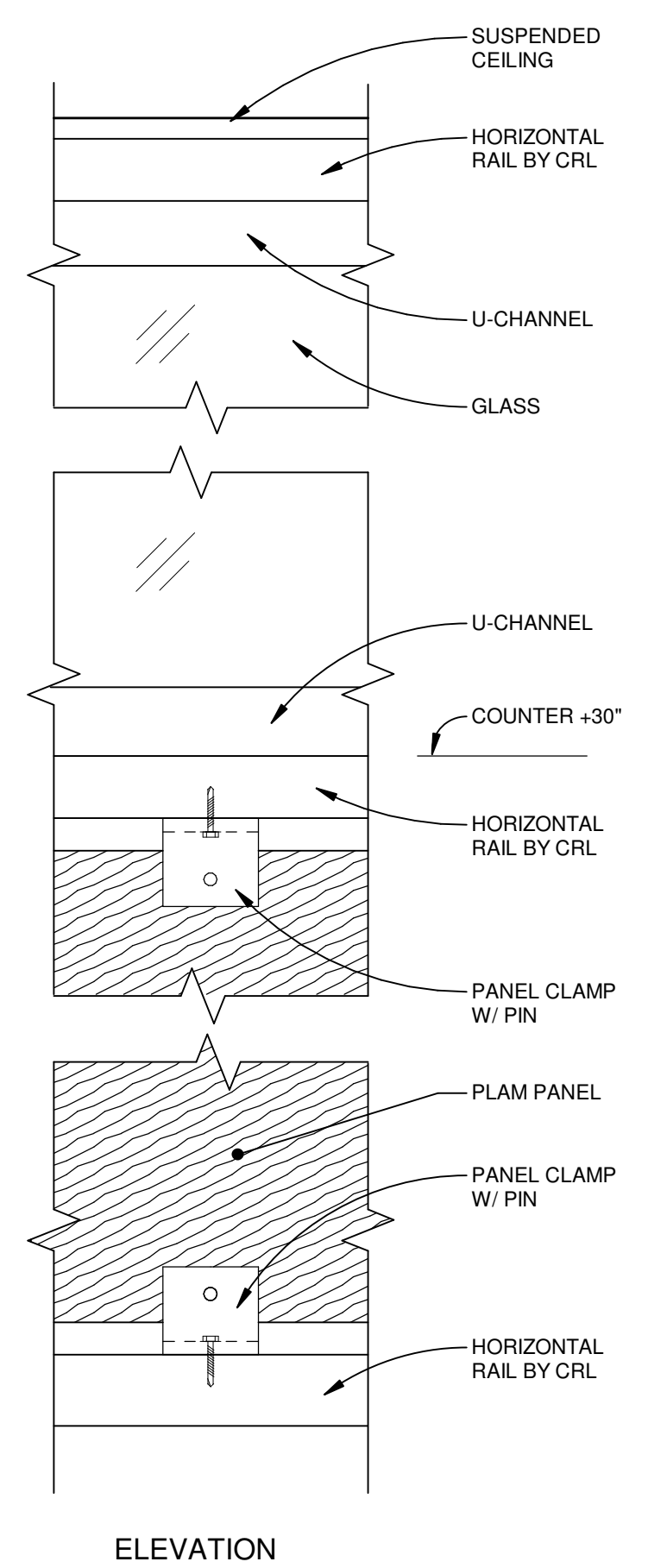


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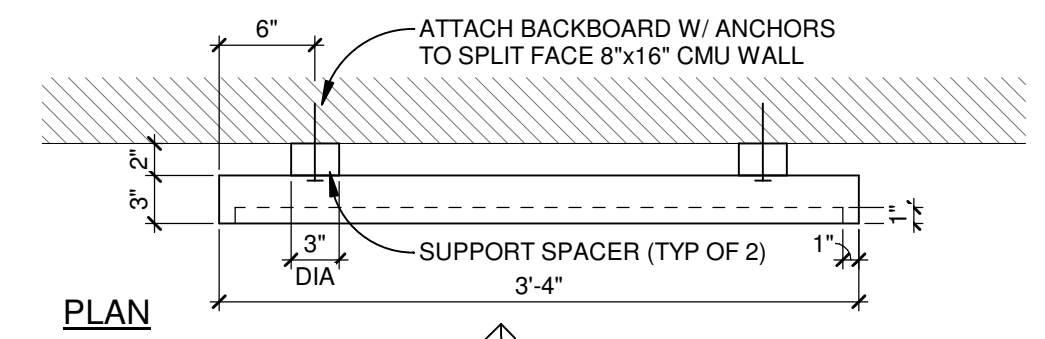
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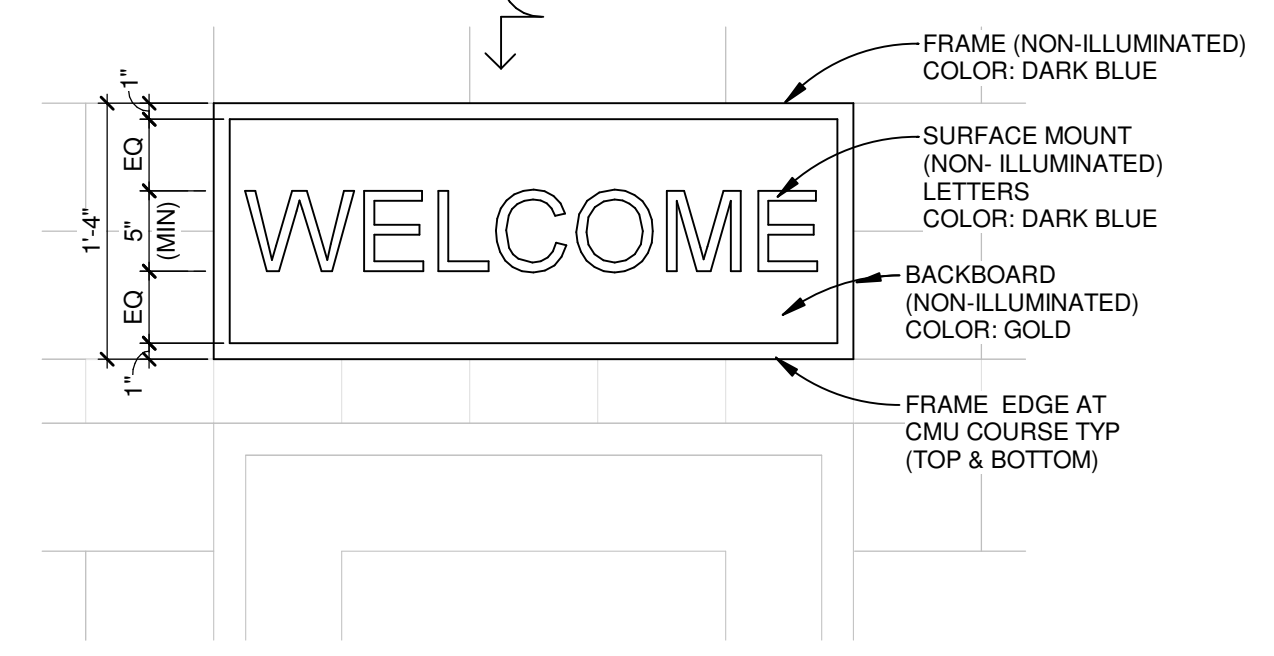
3 SECURITY SCREEN
 3" = 1'-0"



ELEVATION

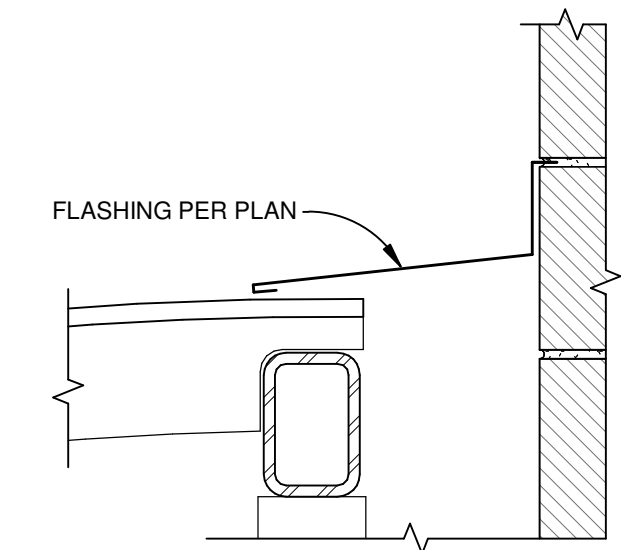


PLAN



ELEVATION

2 WALL MOUNTED SIGNAGE
 1" = 1'-0"



1 FLASHING AT CANOPY
 1 1/2" = 1'-0"

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ABBREVIATIONS

Table of abbreviations including AC, ACC, ACFM, ACU, AD, AFD, AFF, AH, AHU, ANSI, AMP, ARF, BDD, BF, BHP, BLO, BLR, BOD, BOP, BOT, BOTT, BOM, BTU, C, CA, CC, CD, CFM, CH, CKT, CLP, CMO, CONN, CPLG, CRU, CSST, CT, CTG, CU, CV, CVR, dB, (D), DB, DBT, DC, DDC, DN, DEH, DER, DF, DIA, (E), EA, EA, EF, EFF, ELEV, EPO, ET, EWC, EXH, (F), FCU, FCO, FD, FF, FFE, FL, FLT, FN, FOB, FOT, FP, FPM, FPS, FT, GA, GAL, GCO, GEN, GD, GPH, GPM, HC, HD, HE, HG, HOR, HP, HR, HU, HX, HYD, HZ, ID, IE, KW, KWH, KVA, LAV, LBS, LD, LPD, (M), MAH, MAX, MCC, MIN, MISC, MM, MOT, MP, MUA.

Table of abbreviations including (N), N/A, NC, NIC, NO, NTS, OA, OBD, OD, OFCI, OL, OSA, OZ, PD, PH, PIV, PL, POC, PPM, PSI, PSIA, PSIG, QT, QTY, (R), RA, RAH, REQ, REV, RG, RH, RM, RPM, RTU, SA, SC, SCFPM, SD, SEC, SG, SLM, SM, SP, SPEC, SS, STD, TB, TD, TEMP, TF, TK, T.O., TOD, TOP, TOS, TPU, TSTAT, TU, TYP, UF, UH, UNO, UR, V, VAC, VAR, VAV, VD, VEL, VERT, VP, VV, VVR, W, W, WB, WBT, WC, W.C., WP, WS, WTR, WTD, WX, XFMR, YD, YR, Z.

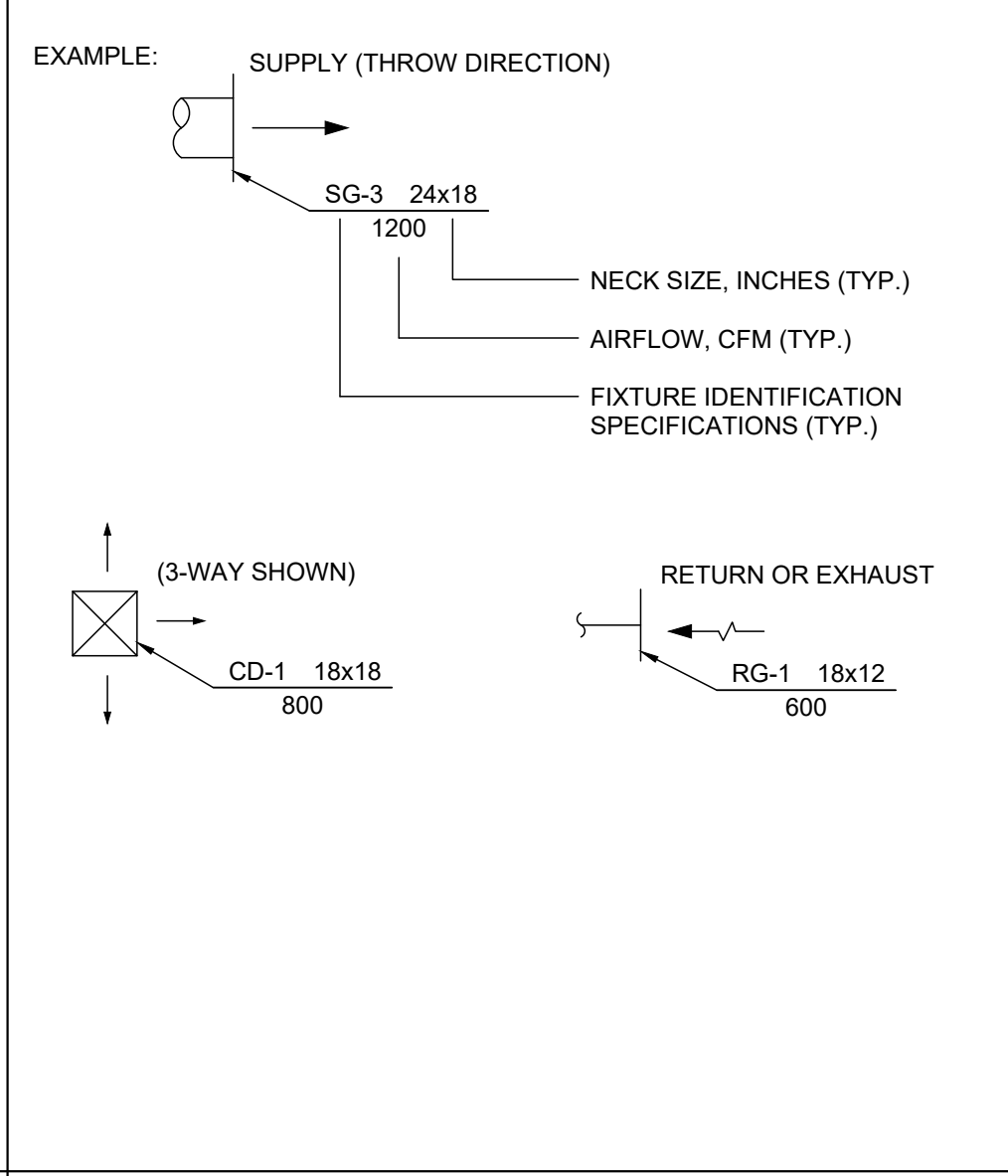
GENERAL SYMBOLS

Table of general symbols including CONNECT TO EXISTING, EXISTING TO REMAIN, FUTURE, NEW, EXISTING TO BE REMOVED, SHUT DOWN, DIFFERENTIAL PRESSURE SENSOR, STATIC PRESSURE SENSOR.

ANNOTATION SYMBOLS

Table of annotation symbols including KEYED NOTE, EQUIPMENT TAG, REVISION TRIANGLE, DETAIL NUMBER, DETAIL SYMBOL, ELEVATION LETTER, ELEVATION SYMBOL, SECTION CUT SYMBOL, NORTH ARROW, FLOW ARROWS.

AIR OUTLET/INLET DESIGNATION



EQUIPMENT SYMBOLS

Table of equipment symbols including CENTRIFUGAL PUMP, SUBMERSIBLE PUMP, MULTISTAGE CENTRIFUGAL PUMP, VACUUM PUMP, LIQUID RING PUMP, SUMP PUMP, EXHAUST FAN.

DUCTWORK SYMBOLS

Table of ductwork symbols including SINGLE LINE and DOUBLE LINE descriptions for RECTANGULAR DUCT, ROUND DUCT, OVAL DUCT, FLEXIBLE DUCT, FLEXIBLE CONNECTION, SUPPLY DUCT, EXHAUST OR RETURN DUCT, CROSS SECTION THRU ROUND DUCT, STANDARD RADIUS ELBOW, LONG RADIUS ELBOW, SQUARE ELBOW, RADIUS ELBOW, CEILING DIFFUSERS, CEILING EXHAUST REGISTER, SIDEWALL SUPPLY REGISTER, ROOM THERMOSTAT, ROOM THERMOSTAT PENDENT MOUNT, ROOM HUMIDISTAT, PHOTOHELIC, ACTUATED DAMPER, HAND/VOLUME DAMPER, BLAST GATE DAMPER, FIRE DAMPER, SMOKE DAMPER, FIRE/SMOKE DAMPER, BACK DRAFT DAMPER, SMOKE DETECTOR.

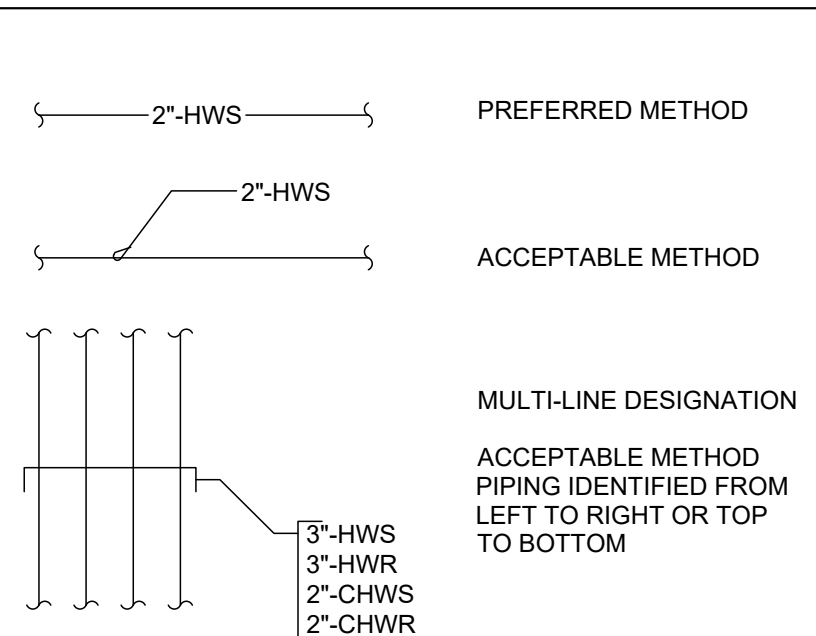
GENERAL NOTES

- A THIS IS A GENERAL LEGEND PAGE, NOT ALL ITEMS ON THIS SHEET WILL BE USED.
B ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL CODES AND REGULATIONS AND OWNER'S STANDARDS.
C DRAWINGS ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO BE ABSOLUTELY PRECISE...
D REPAIR AND PATCH ALL (NEW AND EXISTING) WALL AND FLOOR PENETRATIONS TO MATCH EXISTING FINISH...
E IN ADDITION TO FIRE-SAFING AND WEATHER SEALING REQUIREMENTS, PROVIDE CHROME ESCUTCHEON RINGS...
F PROVIDE SUPPORT AND LATERAL BRACING FOR ALL DUCTWORK, PIPING AND EQUIPMENT...
G STRUCTURAL CALCULATION AND DESIGN BY OTHERS VIA DEFERRED SUBMITTAL.

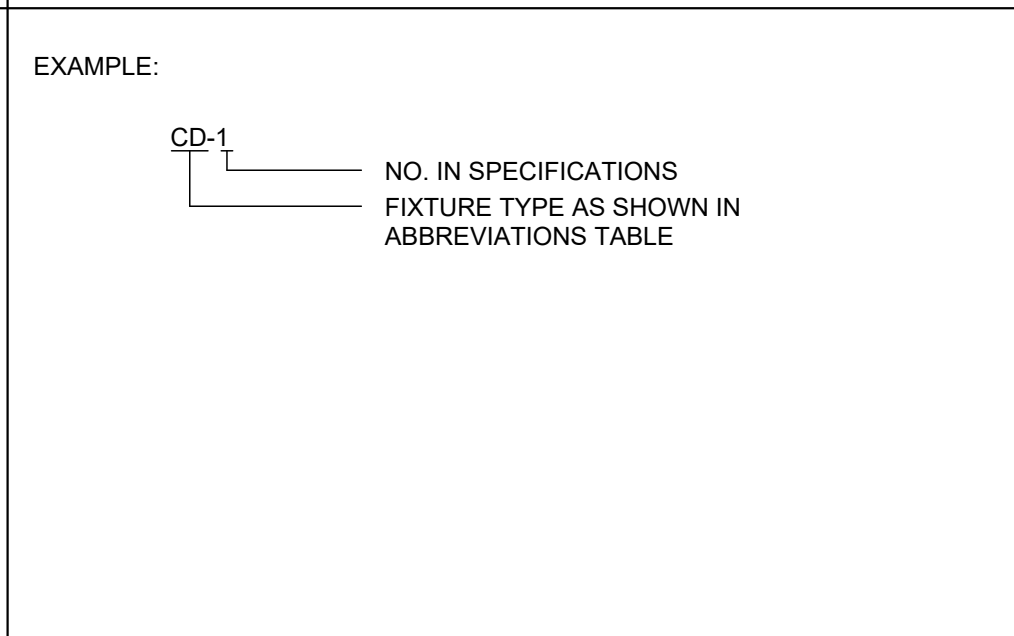
FLOW STREAM DESIGNATION

Table of flow stream designations including CHWR, CHWS, COND, CW, HWR, HWS, ICW, LPS, NPW.

PIPE DESIGNATIONS



FIXTURE IDENTIFICATION



DRAWN BY: M. WATKINS
CHECKED BY: M. HENNING
CORBIN CONSULTING ENGINEERS, INC.
1905 N.W. 169th Place Suite 121
Beaverton, OR 97006
Tel: (503) 645-0176 Fax: (503) 645-0415

HILLSBORO SCHOOL DISTRICT
4901 SE Witch Hazel Rd, Hillsboro, OR



PROJECT NAME & ADDRESS:
NEW ACCESS DOOR

LIBERTY HIGH SCHOOL
7445 NW Wagon Way
Hillsboro, OR 97124



KERRY W. VANDERZANDEN
ARCHITECT, P.C.

13981 NW MAIN STREET
BANKS, OREGON 97106
(503) 324-5220 / (503) 324-0883 FAX

Table with columns: No., Date, Description. Row 1: 1, 12/28/18, IFC.

PROJECT NUMBER: 18223
DATE: 12/07/18

PERMIT SUBMITTAL

MECHANICAL LEGEND, ABBREVIATIONS, & GENERAL NOTES

SHEET NUMBER:

ME-001

NOT FOR CONSTRUCTION

DRAWN BY: M. WATKINS
 CHECKED BY: M. HENNING

CORBIN CONSULTING ENGINEERS, INC.
 1905 N.W. 169th Place Suite 121
 Beaverton, OR 97006
 Tel: (503) 645-0176 Fax: (503) 645-0415

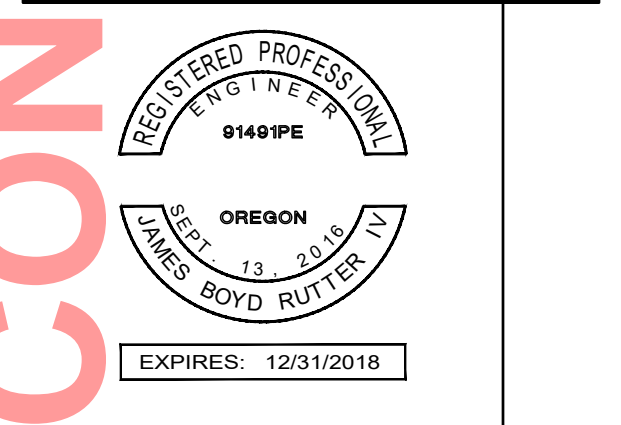
PREPARED FOR:

HILLSBORO SCHOOL DISTRICT
 4901 SE Witch Hazel Rd, Hillsboro, OR



PROJECT NAME & ADDRESS:
NEW ACCESS DOOR

LIBERTY HIGH SCHOOL
 7445 NW Wagon Way
 Hillsboro, OR 97124



KERRY W. VANDERZANDEN
 ARCHITECT, P.C.
 13981 NW MAIN STREET
 BANKS, OREGON 97106
 (503) 324-5220 / (503) 324-0883 FAX

REVISIONS:

No.	Date	Description
1	12/28/18	IFC

PROJECT NUMBER: 18223
 DATE: 12/07/18

PERMIT SUBMITTAL
 SHEET TITLE:
**MECHANICAL/
 ELECTRICAL PLAN**

SHEET NUMBER:
ME-101

GENERAL NOTES

- A SEE SHEETS ME-001 AND ME-002 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- B PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS. 3/4" DRAIN VALVES WITH CAPS AT LOW POINTS IN THE NEW PIPING.

KEYED NOTES

- 1 INSTALL HAC-1. SUPPORT AS REQUIRED BY MANUFACTURER'S INSTRUCTION. INSTALL DOOR LIMIT SWITCH SO THAT HAC-1 FAN OPERATES WHEN DOOR IS OPEN.
- 2 FIELD VERIFY EXISTING HYDRONIC PIPE LOCATIONS.
- 3 MATCH EXISTING PIPE MATERIALS AND INSULATION. ROUTE PIPE AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS.
- 4 PROVIDE WALL MOUNTED 120V THERMOSTAT TO OPERATE HAC-1 CONTROL VALVE. MATCH EXISTING BUILDING THERMOSTATS.
- 5 PROVIDE 3/4", 2-WAY, 120V CONTROL VALVE. MATCH EXISTING SYSTEM CONTROL VALVE MANUFACTURER.
- 6 PROVIDE BALANCE VALVE.
- 7 PROVIDE BALL ISOLATION VALVES.
- 8 EXISTING ELECTRICAL LOADS ARE BASED ON HILLSBORO SCHOOL DISTRICT RECORD DRAWINGS AND HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR TO VERIFY THAT PANEL HAS ADEQUATE CIRCUIT BREAK AND LOAD CAPACITY PRIOR TO BEGINNING WORK.

AIR CURTAIN SCHEDULE																					
TAG	SERVICE	LOCATION	AIR FLOW (CFM)	CAPACITY (MBH)	HEATING				ELECTRICAL						WEIGHT (LBS)	DESIGN BASIS			REMARKS		
					EWT (F)	LWT (F)	FLOW RATE (GPM)	WPD (FTWC)	MOTOR (HP)	V	Ø	HZ	MOCP	MCA		DIMENSIONS					
																H (IN)	W (IN)	D (IN)			
HAC-1	AIR CURTAIN	RECEPTION	1260	32	180	165	4.5	0.6	1/2	120	1	60	15	8.5	134	15	36	26	BERNER	ARD12-1036W	SEE NOTES

NOTES:
 1. PROVIDE WITH MANUFACTURER'S CONTROL PANEL AND DOOR LIMIT SWITCH.
 2. ARCHITECTURAL RECESSED HOT WATER AIR CURTAIN

8 POWER PANEL SCHEDULE: (E) 2S1E DATE: 12/27/2018

SERVICE: 3 Ph - 4 Wire POWER TYPE: NORMAL MAIN: 225 MLO
 PANEL LOCATION: ELEC RM A103A MANUFACTURER: SC RMS: 22 KA
 PANEL DESCRIPTION: POWER PANEL 120/208V AVAILABLE FAULT KA: <22 KA

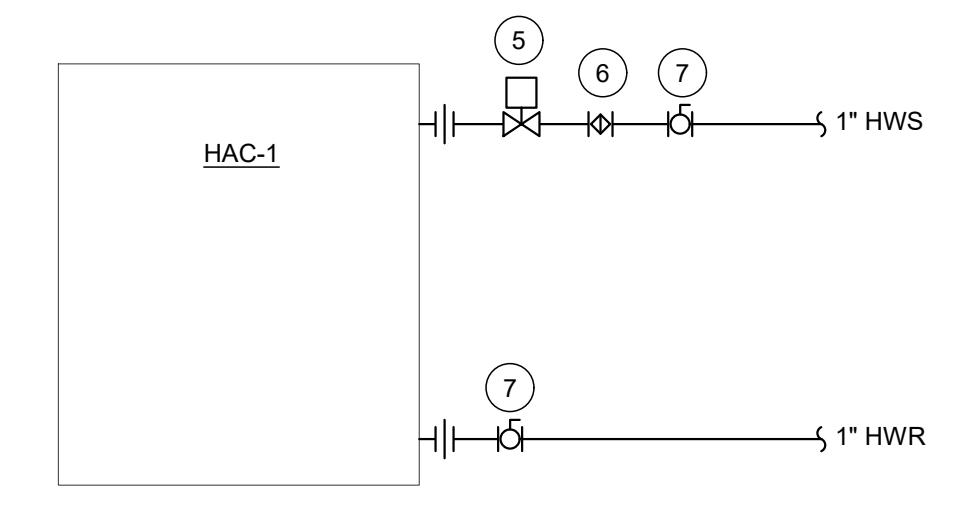
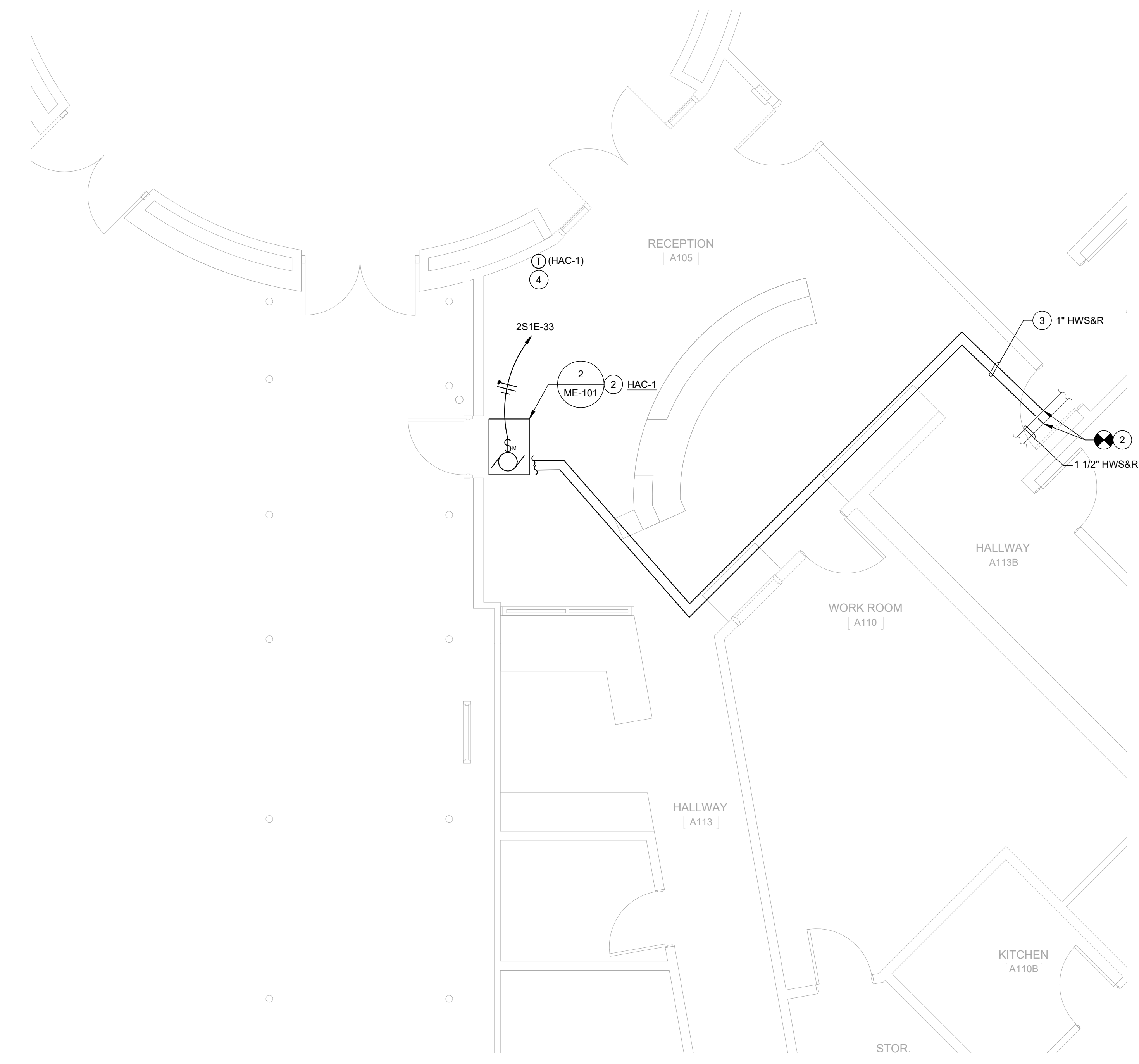
FED FROM: SWBD 2SMDP
 FED THRU: 225A FUSE SWITCH

CKT#	LOAD DESCRIPTION	CB	POLES	VA	PH	CKT#	LOAD DESCRIPTION	CB	POLES	VA
1	REC A105-PARENT WAITING	20	1	900	A	2	REC A118-ASST PRINC OFFICE	20	1	720
3	REC A111-STORAGE	20	1	1080	B	4	REC A119	20	1	720
5	REC A114-PRINCIPAL OFFICE	20	1	1250	C	6	REC A120	20	1	900
7	REC A115-LG CONF ROOM	20	1	1250	A	8	REC A121	20	1	900
9	REC A116-ASST PRINC OFFICE	20	1	720	B	10	REC A122-SM CONF ROOM	20	1	720
11	REC A117-ASST PRINC OFFICE	20	1	1080	C	12	REC A123	20	1	720
13	REC A105-PARENT WAITING	20	1	720	A	14	REC A124-CONFERENCE RM	20	1	540
15	REC A105-PARENT WAITING	20	1	720	B	16	REC A125	20	1	720
17	REC A105-PARENT WAITING	20	1	900	C	18	REC A126-CAREER OFFICE	20	1	900
19	REC A110-WORK ROOM	20	1	1080	A	20	REC AEP-4,5,6,7	20	1	400
21	REC A110-WORK ROOM	20	1	540	B	22	SOUND RACK	20	1	500
23	REFRIG A110-WORK ROOM	20	1	750	C	24	SPARE	20	1	
25	DISWASHER A110-WK ROOM	20	1	1100	A	26	H/C DOOR - ROTUNDA	20	1	500
27	REC A110-WORK ROOM	20	1	360	B	28	H/C DOOR - EAST ENTRY	20	1	720
29	REC A109-SECURITY ROOM	20	1	360	C	30	INSTAHOT	20	1	750
31	REC A109-SECURITY ROOM	20	1	540	A	32	CUH-1	20	1	400
33	HAC-1 AIR CURTAIN	20	1	1020	B	34	DISPOSER ADMIN KITCHEN	20	1	696
35		20	1		C	36	SPARE	20	1	
37		20	1		A	38	SPARE	20	1	
39		20	1		B	40	MAG LOCK BLDG NORTH	20	1	500
41		20	1		C	42	MAG LOCK BLDG SOUTH	20	1	500

CONNECTED KVA: PHASE A PHASE B PHASE C
 9 9 8
 75 75 68

CONNECTED AMPS: KVA AMPS
 26.2 73

NOTES:



1 MECHANICAL/ELECTRICAL PLAN
 ME-101

2 HAC-1 PIPING DIAGRAM
 ME-101 SCALE: NONE

