

REDMOND SCHOOL DISTRICT

TOM McCALL ELEMENTARY SCHOOL

SECURE ENTRY PROJECT

1200 NW UPAS AVE. REDMOND OR 97756



Drawings and Specifications as instruments of service are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing and appropriate compensation to the Architect.

The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.

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1200 NW UPAS AVE.
REDMOND, OR 97756

ABBREVIATIONS

ABV	ABOVE
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADR	ART DISPLAY RAIL
AFF	ABOVE FINISH FLOOR
AFP	ACOUSTICAL FIBERBOARD PANEL
AL/ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATELY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
ATTM	ATTACHMENT
ARCH	ARCHITECTURAL
@	AT
AWC	ACOUSTIC WALL COVERING
AWI	ACOUSTIC WALL PANEL INSULATION
AWP	ACOUSTIC WALL PANEL
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CJ	CONTROL JOINT
CM	CARBON MONOXIDE DETECTOR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CON	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CPT	CARPET TILE
CT	CERAMIC TILE
DBA	DEFORMED BAR ANCHOR
DEG	DEGREE
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNNSPOUT
DTL	DETAIL
(E)	EXISTING
EL/ELEV	ELEVATION
EMT	ELECTRICAL METAL TUBING
EFP	EPOXY FLOOR PAINT
EOS	EDGE OF SLAB
EQ	EQUAL
ER	EPOXY RESIN
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
FC	FIBER CEMENT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FG	FINISH GRADE
FFHB	FOST FREE HOSE BIBB
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF FINISH WALL
FRL	FIBER REINFORCED LAMINATE
FRP	FIBRE REINFORCED POLYMER
FT	FOOT, FEET
FSD	FIRE SMOKE DAMPER

ABBREVIATIONS (CONT'D)

GA	GAUGE
GALV	GALVANIZED
GRC	GLASSFIBER REINFORCED CONCRETE
GWB	GYP SUM WALL BOARD
GWS	GLASS WRITING SURFACE
HB	HOSE BIBB
HDWR	HARDWARE
HM	AMERICAN NATIONAL STANDARDS INSTITUTE
HS	HOLLOW STEEL
HORIZ	HORIZONTAL
HT	HEIGHT
IN	INCH, INCHES
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
LAM	LAMINATED
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MDF	MEDIUM-DENSITY FIBERBOARD
MECH	MECHANICAL
MFG	MANUFACTURING
MFR	MANUFACTURER
MIN	MINIMUM
MTL	METAL
MP	METAL PANEL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OCC	OCCUPANTS
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OL	OCCUPANT LOAD
OPH	OPPOSITE HAND
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OSSC	OREGON STRUCTURAL SPECIALTY CODE
ORSC	OREGON RESIDENTIAL SPECIALTY CODE
OTA	OPEN TO ABOVE
P	PAINT
PB	PUSH BUTTON
PL, PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PS	PAINT SYSTEM
PR	PAIR
PT	PRESSURE-TREATED
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RAF	RUBBER ATHLETIC FLOORING
RB	RUBBER BASE
RC	RESILIENT CHANNEL
RD	ROOF DRAIN
REF	REFERENCE
REQD	REQUIRED
RF	RUBBER FLOORING
RM	ROOM
RO	ROUGH OPENING
RR	RESTROOM
RST	RUBBER STAIR TREAD & RISER

ABBREVIATIONS (CONT'D)

SAM	SELF-ADHERING MEMBRANE
SAMF	SELF-ADHERING MEMBRANE FLASHING
SC	SEALED CONCRETE
SD	SMOKE DETECTOR
SDT	STATIC DISSIPATIVE TILE
SECT	SECTION
SF	SQUARE FEET
SFRM	SPRAYED FIRE-RESISTIVE MATERIAL
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SM	SHEET METAL
SS	STAINLESS STEEL
SSF	SPRUNG STAGE FLOORING
SSM	SOLID SURFACE MATERIAL
STD	STANDARD
STF	SEAMLESS TROWELED FLOORING
STL	STEEL
STRUCT	STRUCTURAL
TB	TACKBOARD
TBD	TO BE DETERMINED
TEMP	TEMPERED
TMT	THERMALLY MODIFIED WOOD
TMY	TIMELY KNOCK-DOWN FRAME
TO	TOP OF
TP	TOILET PARTITION
TS	TUBE STEEL
TWS	TACKABLE WALL SURFACE
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
WD	WOOD
WAF	WOOD ATHLETIC FLOORING
WHF	WHOLE HOUSE FAN
WOM	WALK OF MAT
WP	WALL PROTECTION
WRB	WEATHER RESISTIVE BARRIER



VICINITY PLAN

GENERAL NOTES

1. SEE "G" SHEETS FOR ARCHITECTURAL ABBREVIATIONS, SYMBOLS AND NOTES
2. SEE G-002 FOR WALL TYPES
3. SEE SCHEDULE SHEETS FOR DOOR SCHEDULE
4. GRID LINES ALIGN WITH FACE OF STUD U.N.O.
5. PLAN DIMENSIONS AT EXTERIOR WALLS ARE MEASURED FROM GRIDLINES/OUTSIDE FACE OF STRUCTURE U.N.O. PLAN DIMENSIONS AT INTERIOR WALLS ARE MEASURED TO CENTER OF STRUCTURE
6. DOORS NOT LOCATED BY DIMENSION ARE TO BE CENTERED IN WALLS OR 3 1/2" INCHES FROM FACE OF FACE OF THE PERPENDICULAR WALL TO FACE OF JAMB AS SHOWN
7. WHERE SOUND OR SHEAR WALL LOCATIONS ABUT OTHER WALL TYPES, PROVIDE FURRING TO ALIGN ALL FACES OF WALLS
8. ALL WALLS WITH SOUND RATING GO TO DECK
9. ALL WALLS IN OPEN CEILING LOCATIONS GO TO DECK
10. PARTITION WALLS TERMINATE 6" ABOVE ADJACENT CEILING AND BRACED TO STRUCTURE U.N.O.
11. ALL ELECTRICAL, MECHANICAL AND PLUMBING SHOW FOR REFERENCE ONLY. SEE SHEETS IN APPROPRIATE SECTION FOR NOTES AND PLACEMENT

PROJECT TEAM

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DRAWING INDEX

G-001	COVER SHEET
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G-012	SPECIFICATIONS
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AS-002	ENLARGED ARCHITECTURAL SITE PLAN
AD-101	FIRST FLOOR DEMO PLAN & ELEVATIONS
A-101	PARTIAL FIRST FLOOR PLAN
A-111	SCHEDULES, TYPES, RCP & PLANS
A-211	INTERIOR ELEVATIONS, SECTION & DETAILS
A-501	SECTION DETAILS
A-502	SECTION, ELEVATIONS & DETAILS

SHEET:
COVER SHEET

G-001

GENERAL INFORMATION			
	APPLICABLE CODES	2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC) 2022 OREGON FIRE CODE (OFC) 2022 OREGON MECHANICAL SPECIALTY CODE (OMSC) 2023 OREGON PLUMBING SPECIALTY CODE (OPSC) 2023 OREGON ELECTRICAL SPECIALTY CODE (OESC) 2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC) 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC) (AND AS AMENDED BY THE 2022 OSSC WHERE APPLICABLE) ANSI/ASHRAE/IES STANDARD 90.1.2019 ICC A117.1.2017 / 2022 OSSC CHAPTER 11 2019 NFPA 25, 13, 13D, 13R, 14 AND 72	
	BUILDING DEPT. JURISDICTION	CITY OF REDMOND	
	PROJECT DESCRIPTION	A NEW INTERIOR WALL, DOOR, TRANSACTION WINDOW AND FRAMELESS GLAZING TO PROVIDE INCREASED SECURITY AT THE SCHOOL ENTRY. EXTERIOR WORK INCLUDES A NEW FENCE, VEHICULAR GATE FOR FIRE ACCESS AND EGRESS GATE.	
	OCCUPANCY CLASSIFICATION	GROUP E	
	OCCUPANCY SEPARATION	NONE	
	CONSTRUCTION TYPE	TYPE VB	
	FIRE PROTECTION	AUTOMATIC FIRE SPRINKLER SYSTEM FIRE EXTINGUISHER (SEE CODE PLAN)	
OSSC TABLE 1604.5	RISK CATEGORY	III	
OSSC 1613.2.2	SITE CLASSIFICATION	D	
OSSC TABLE 1609.3	BASIC DESIGN WIND SPEED	106 MPH	
CHAPTER 3: OCCUPANCY			
OSSC 302.1 OSSC 305.1	OCCUPANCY CLASSIFICATION	EDUCATIONAL GROUP E	
CHAPTER 4: SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE			
OSSC 401.1			
CHAPTER 5: GENERAL BUILDING HEIGHTS & AREAS			
OSSC 504.3	ALLOWABLE BUILDING HEIGHT	60 FEET	
	EXISTING BUILDING HEIGHT	~35 FEET	
OSSC 504.4	ALLOWABLE NUMBER OF STORIES	TWO STORIES	
	PROPOSED NUMBER OF STORIES	(E) ONE STORY W/ (E) MECHANICAL MEZZANINES	
OSSC 506.2	ALLOWABLE BUILDING AREA	38,000 SQUARE FEET (51)	
	PROPOSED BUILDING AREA	THE (E) BUILDING IS SEPARATED INTO TWO FIRE AREAS: FRONT FIRE AREA = 33,017 SF < 38,000 SF BACK FIRE AREA = 31,499 SF < 38,000 SF	
OSSC 506.3	ALLOWABLE BUILDING AREA W/ FRONTAGE INCREASE	NOT CALCULATED. THE TWO FIRE AREAS ARE LESS THAN THE ALLOWABLE BUILDING AREA.	
CHAPTER 6: TYPES OF CONSTRUCTION			
OSSC TABLE 601	FIRE-RESISTANCE RATING - BUILDING ELEMENTS	TYPE VB	
	PRIMARY STRUCTURAL FRAME	0 HOURS	
	BEARING WALLS		
	EXTERIOR	0 HOURS	
	INTERIOR	0 HOURS	
	NON-BEARING WALLS		
OSSC TABLE 705.5	EXTERIOR	NO CHANGE - 0 HOURS BASED ON GROUP E, TYPE VB	
	INTERIOR	0 HOURS	

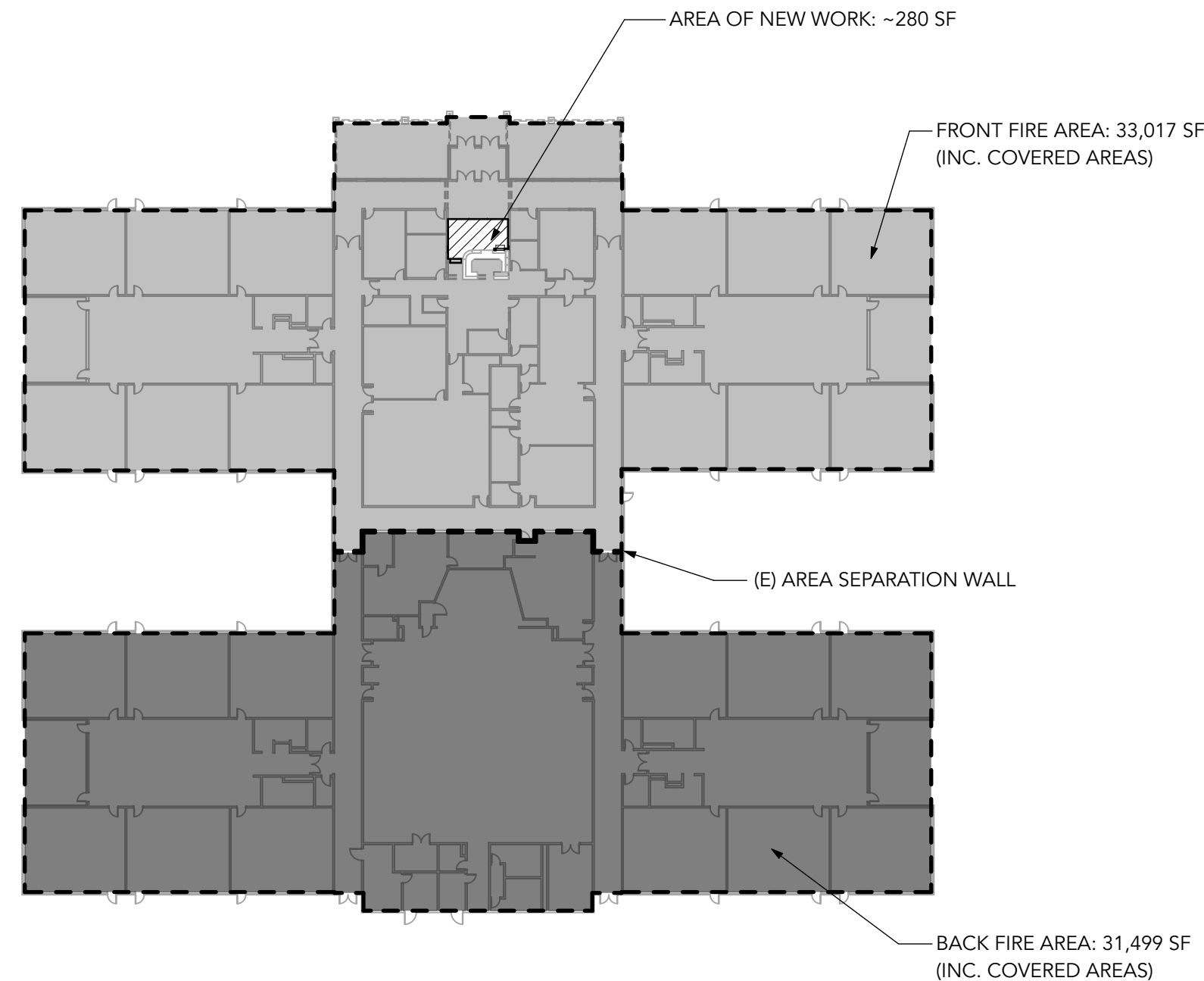
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OAC 2017, SECTION 904.6	SECURITY GLAZING	WHERE COUNTERS OR TELLER WINDOWS HAVE SECURITY GLAZING TO SEPARATE PERSONNEL FROM THE PUBLIC, A METHOD TO FACILITATE VOICE COMMUNICATION SHALL BE PROVIDED. THE COUNTER WINDOW IS A SPEAK-AROUND WINDOW TYPE.
12 INTERIOR ENVIRONMENT		
OSSC 1202.1	MECHANICAL VENTILATION	NO CHANGE. PORTION OF NEW WALL IS NOT FULL-HEIGHT.
OSSC 1203.1	TEMPERATURE CONTROL	INTERIOR SPACES INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH ACTIVE OR PASSIVE SPACE HEATING SYSTEMS CAPABLE OF MAINTAINING AN INDOOR TEMPERATURE OF NOT LESS THAN 68°F (20°C) AT A POINT 3 FEET (914 MM) ABOVE THE FLOOR ON THE DESIGN HEATING DAY - SEE MECHANICAL PLANS
OSSC 1204.1 OSSC 1204.3	LIGHTING	EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION 1204.2 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT IN ACCORDANCE WITH SECTION 1204.3. EXTERIOR GLAZED OPENINGS SHALL OPEN DIRECTLY ONTO A PUBLIC WAY OR ONTO A YARD OR COURT IN ACCORDANCE WITH SECTION 1205. ARTIFICIAL LIGHT SHALL BE PROVIDED THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOTCANDLES (107 LUX) OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES (762 MM) ABOVE THE FLOOR LEVEL.
OSSC 1210.2.1 OSSC 1210.2.2	TOILET AND BATHROOM REQUIREMENTS	FLOOR FINISH SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ON THE WALLS NOT LESS THAN 4 INCHES. WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 6' OF NOT LESS THAN 4 FEET ABOVE THE FLOOR.
CHAPTER 13: ENERGY EFFICIENCY		
	EXISTING STRUCTURES	THE PROJECT SCOPE DOES NOT INCLUDE WORK TO THE EXTERIOR ENVELOPE OR PROPOSE A CHANGE OF OCCUPANCY.
OEC 9.1.2, EXCEPTION 1	LIGHTING	ALTERATIONS THAT INVOLVE 20% OR LESS OF THE CONNECTED LIGHTING LOAD IN A SPACE OR AREA NEED NOT COMPLY WITH THE REQUIREMENTS OF SECTION 9.1.2
CHAPTER 29: PLUMBING SYSTEMS		
OSSC TABLE 2902.1		NO CHANGE
CHAPTER 34: EXISTING BUILDINGS		
OSSC 3403.6.2	ACCESSIBILITY FOR EXISTING BUILDINGS	BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THIS CHAPTER AND THE ALTERATION AND EXISTING BUILDING PROVISIONS IN ICC A117.1, AS APPLICABLE. SEE CHAPTER 11 FOR SCOPING OF ICC A117.1.
OSSC 3405	COMPLIANCE METHOD	PREScriptive
OSSC 3405.3.1	ALTERATIONS	ALTERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE OSSC FOR NEW CONSTRUCTION

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	FLOOR CONSTRUCTION	0 HOURS
	ROOF CONSTRUCTION	0 HOURS
CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES		
OSSC TABLE 705.2	EXTERIOR PROJECTIONS	
	FSD = 0 TO LESS THAN 2 FEET	PROJECTIONS NOT PERMITTED: NO CHANGE
	FSD = 2 TO LESS THAN 3 FEET	24 INCHES: NO CHANGE
	FSD = 3 TO LESS THAN 5 FEET	TWO-THIRDS OF FSD: NO CHANGE
	FSD = 5 FEET OR GREATER	40 INCHES: NO CHANGE
OSSC TABLE 705.5	FIRE-RESISTANCE RATING OF EXTERIOR WALL	
	CONSTRUCTION TYPE: VB	
	OCCUPANCY GROUP: A-3	
	FSD: 10 ≤ X ≤ 30	0 HOURS
OSSC TABLE 705.8	OPENINGS (EXTERIOR)	
	30 FEET OR GREATER	UNPROTECTED, SPRINKLERED (U/P/S) NO LIMIT
OSSC 705.11	PARAPETS	
EXCEPTION 1	PARAPETS SHALL BE REQUIRED ON EXTERIOR WALLS OF BUILDINGS	NOT REQUIRED BECAUSE OF FIRE SEPARATION DISTANCE
OSSC 706	FIRE WALLS AND FIRE BARRIERS	(E) FIRE WALL - NO CHANGE
OSSC 707	FIRE PARTITION	NOT REQUIRED IN CORRIDOR DUE TO AUTOMATIC FIRE SPRINKLER SYSTEM
OSSC 709	SMOKE BARRIER	NO CHANGE
OSSC 710	SMOKE PARTITION	NO CHANGE
OSSC 718.2	CONCEALED SPACES	FIREBLOCKING REQUIRED. PROVIDE AT CONCEALED WALL SPACES VERTICALLY AT CEILING AND FLOOR LEVELS HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET
CHAPTER 8: INTERIOR FINISHES		
OSSC TABLE 803.13	A INTERIOR FINISH REQUIREMENTS BASED ON OCCUPANCY & FIRE PROTECTION	OCCUPANCY GROUP E: "CLASS C" FLAME SPREAD AND SMOKE DEVELOPED INDEX FOR ROOMS AND ENCLOSED SPACES
OSSC 808	B ACOUSTICAL CEILING SYSTEMS	THE PROJECT SCOPE DOES NOT INCLUDE A NEW ACOUSTICAL CEILING SYSTEM.
CHAPTER 9: FIRE PROTECTION & LIFE SAFETY SYSTEMS		
OSSC 903	AUTOMATIC FIRE SPRINKLER SYSTEM	FIRE SPRINKLER SYSTEM IS EXISTING. NO (N) HEADS ARE ANTICIPATED BASED ON (E) HEAD LOCATIONS AND LOCATION OF (N) WALL - SEE REFLECTED CEILING PLAN
OSSC 907.2.2	A FIRE ALARM	A NFPA 72 FIRE ALARM IS EXISTING
CHAPTER 10: MEANS OF EGRESS		
OSSC 1004	ROOM OCCUPANCY & GENERAL EGRESS	OCCUPANCY LOAD = 612 PER (E) CERTIFICATE OF OCCUPANCY ENTIRE BUILDING OCCUPANCY LOAD WAS NOT RE-EVALUATED FOR THE PURPOSES OF THIS PROJECT. THE OCCUPANT LOAD USING THE NEW DOOR WAS CALCULATED - SEE CODE PLAN.
OSSC 1005.3.1 EXCEPTION 1	MEANS OF EGRESS SIZING: STAIRWAYS	CAPACITY IN INCHES = OCCUPANT LOAD * 0.2 (DUE TO SPRINKLER). SEE CODE PLAN
OSSC 1005.3.2, EXCEPTION 1	MEANS OF EGRESS SIZING: OTHER EGRESS COMPONENTS	CAPACITY IN INCHES = OCCUPANT LOAD * 0.15 (DUE TO SPRINKLER). PER SEE CODE PLAN
OSSC TABLE 1006.2.1	NUMBER OF EXITS AND EXIT ACCESS DOORWAYS	ALL EXITS WERE NOT RE-EVALUATED FOR THE PURPOSES OF THIS PROJECT. ONLY THE NEW EXIT DOOR ALONG AN EXISTING EGRESS PATH WAS REVIEWED.
1007.1.1 EXCEPTION 2	EXIT AND EXIT ACCESSWAY DOORWAY CONFIG	THE NEW DOOR IS ALONG AN EXISTING EGRESS PATH. IT IS MAINTAINED.
OSSC 1008.2	MEANS OF EGRESS ILLUMINATION	THE MEANS OF EGRESS SHALL BE ILLUMINATED AT ALL TIMES

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1 FIRE AREA PLAN
SCALE: 1" = 50'

OSSC 1009.1	ACCESSIBLE MEANS OF EGRESS DOORS, GATES AND TURNSTILES	NO CHANGE TO THE ACCESSIBLE MEANS OF EGRESS A MINIMUM CLEAR WIDTH OF 32 INCHES SHALL BE PROVIDED SEE CODE PLAN FOR DOOR EXIT WIDTHS AT LOCATION OF EGRESS. NOTE: VALUES ON CODE PLAN ARE WIDTH OF DOOR MINUS 3 INCHES FOR FACE OF DOOR IN OPEN POSITION AND STOP.
OSSC 1010.1.2, EXCEPTION 1, 2	EGRESS DOOR TYPES	EGRESS DOORS SHALL BE OF THE SIDE-HINGED SWINGING DOOR, PIVOTED DOOR, OR BALANCED DOOR TYPES.
	STAIRWAYS	NOT IN PROJECT SCOPE
	RAMP	NOT IN PROJECT SCOPE
OSSC 1013.1	EXIT SIGNS HANDRAILS GUARDS	SEE CODE PLAN FOR (E) EXIT SIGNS NOT IN PROJECT SCOPE NOT APPLICABLE - ELEVATION CHANGE DOES NOT EXCEED 30 INCHES
	EXIT ACCESS	EGRESS DOES NOT TRAVEL THROUGH INTERVENING SPACES
OSSC TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	ALLOWED TRAVEL DISTANCE: NOT CALCULATED FOR THIS PROJECT PROPOSED TRAVEL DISTANCE: NOT CALCULATED FOR THIS PROJECT
OSSC 1020.2 TABLE OSSC 1020.2	CORRIDORS	CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1020.2 PER TABLE 1020.2, THE RATING IS NOT REQUIRED DUE TO THE SPRINKLER SYSTEM.
OSSC 1020.5 EXCEPTION 2	CORRIDORS: DEAD ENDS	WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT DEAD-END CORRIDORS DO NOT EXCEED 50 FEET (6096 MM) IN LENGTH.
11 ACCESSIBILITY		
	GENERAL COMPLIANCE	ALL NEW CONSTRUCTION TO COMPLY WITH CHAPTER 11 & OREGON ACCESSIBILITY CODE 2017, A117.1, 2017 AMENDED
	ACCESSIBILITY FOR EXISTING BUILDINGS	SEE SECTION 34 BELOW
	ARCHITECTURAL BARRIER REMOVAL	BARRIER REMOVAL IS NOT CALCULATED FOR THIS PROJECT. ACCESS TO THE AREA CONTAINING THE PRIMARY FUNCTION IS NOT IMPACTED. THE PARKING, ENTRANCE, ROUTE TO ALTERED AREA, ETC. ARE CURRENTLY COMPLIANT. CONSTRUCTION COST TOTAL: \$65,000.00 DEDUCT FINISHES, CONTINGENCIES, ETC.: \$0.00 PERMITTING CONSTRUCTION COST: \$65,000.00 BARRIER 1: \$0.00 BARRIER 2: \$0.00 BARRIER 3: \$0.00 TOTAL ARCHITECTURAL BARRIER REMOVAL: \$0.00 PERCENTAGE OF TOTAL CONSTRUCTION COST
OAC 2017, SECTION 904	SERVICE COUNTER WINDOWS	WHERE COUNTERS ARE PROVIDED, THE ACCESSIBLE PORTION OF THE COUNTERTOP SHALL EXTEND THE SAME DEPTH AS THE PUBLIC PORTION OF THE SALES AND SERVICE COUNTERTOP PROVIDED FOR STANDING CUSTOMERS. A COMPLIANT BUILT-IN COUNTER ON THE PUBLIC SIDE HAS BEEN PROVIDED.
OAC 2017, SECTION 904.3.1	VERTICAL BARRIERS	AT SERVICE WINDOWS OR SERVICE COUNTERS, ANY VERTICAL BARRIER BETWEEN SERVICE PERSONNEL AND CUSTOMERS SHALL BE AT A HEIGHT OF 43 INCHES MAXIMUM ABOVE THE FLOOR. EXCEPTION: TRANSPARENT SECURITY GLAZING SHALL BE PERMITTED ABOVE THE 43 INCHES MAXIMUM HEIGHT. THE NEW SERVICE WINDOW IS 38 INCHES ABOVE THE FLOOR AND INCORPORATES TRANSPARENT SECURITY GLAZING ABOVE 43 INCHES.

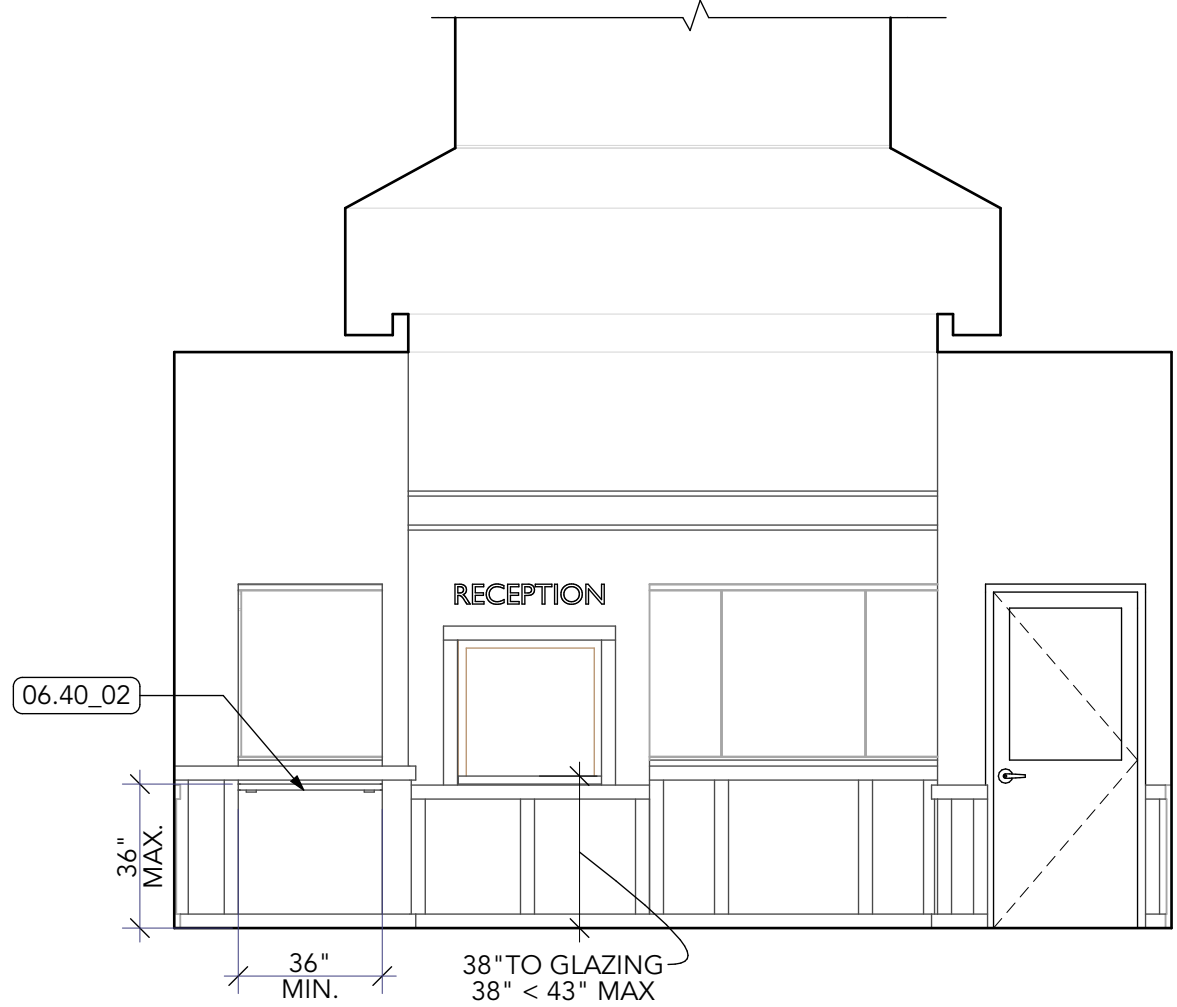
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OREGON FIRE CODE (OFC) - 2022 FIRE SERVICE FEATURES 503 FIRE APPARATUS ACCESS ROADS

503.2.1 Dimensions
Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm).

503.6 Security Gates
The installation of security gates across a fire apparatus access road shall be approved by the fire code official. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times. Electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.

- D103.5 Fire Apparatus Access Road Gates**
Gates securing the fire apparatus access roads shall comply with all of the following criteria:
- Where a single gate is provided, the gate width shall be not less than 20 feet (6096 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm).
 - Gates shall be of the horizontal swing, horizontal slide, vertical lift or vertical pivot type.
 - Construction of gates shall be of materials that allow manual operation by one person.
 - Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
 - Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the fire code official.
 - Methods of locking shall be submitted for approval by the fire code official.
 - Electric gate operators, where provided, shall be listed in accordance with UL 325.
 - Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.



2 SERVICE WINDOW
SCALE: 1/4" = 1'-0"

06.40 Architectural Woodwork
06.40_02 SERVICE COUNTER FOR PARALLEL APPROACH

RHI·ZO

ARCHITECTURE

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541.604.2353

REGISTERED ARCHITECT
STATE OF OREGON

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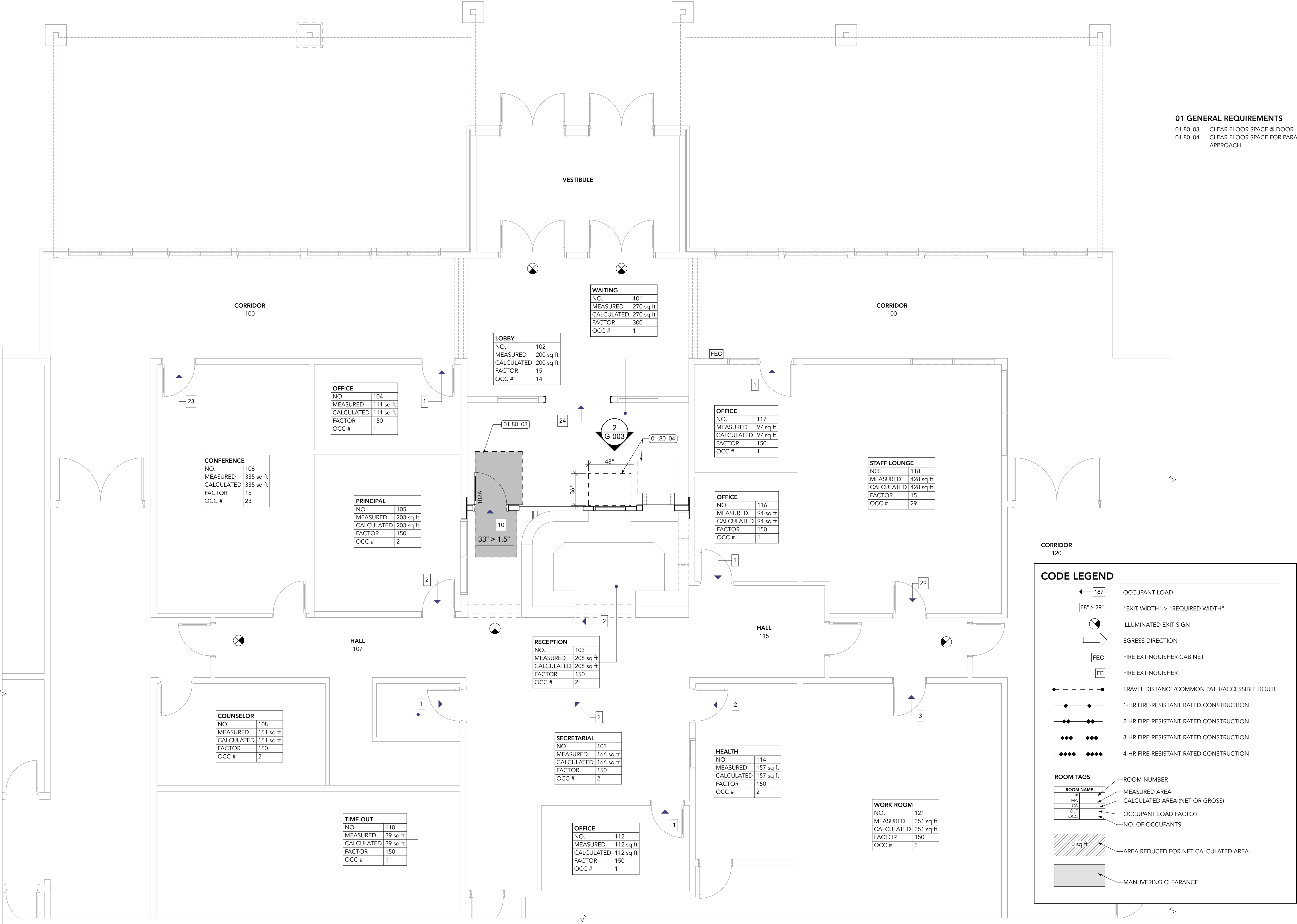
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PRINT DATE: 06.13.2025

ISSUANCE LOG:
00 6/13/25
PERMIT SET

SHEET:
CODE SUMMARY

G-003



01 GENERAL REQUIREMENTS
01.80_03 CLEAR FLOOR SPACE @ DOOR
01.80_04 CLEAR FLOOR SPACE FOR PARALLEL APPROACH

RHI

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REGISTERED ARCHITECT
STATE OF OREGON

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SECURE ENTRY PROJECT
1200 NW UPAS AVE.
REDMOND, OR 97756

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ISSUANCE LOG:
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CODE PLAN

G-004

DIVISION 01 - GENERAL REQUIREMENTS	
SECTION 013000	
ADMINISTRATIVE REQUIREMENTS	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. General administrative requirements.	
B. Submittals for review, information, and project closeout.	
C. Requests for Interpretation (RFI) procedures.	
D. Submittal procedures.	
1.02 GENERAL ADMINISTRATIVE REQUIREMENTS	
A. Comply with requirements of Section 017000 - Execution and Closeout Requirements for coordination of execution of administrative tasks with timing of construction activities.	
B. Make the following types of submittals to Architect:	
1. Requests for Interpretation (RFI).	
2. Requests for substitution.	
3. Shop drawings, product data, and samples.	
4. Test and inspection reports.	
5. Design data.	
6. Manufacturer's instructions and field reports.	
7. Applications for payment and change order requests.	
8. Progress schedules.	
9. Coordination drawings.	
10. Correction Punch List and Final Correction Punch List for Substantial Completion.	
11. Closeout submittals.	
PART 2 PRODUCTS - NOT USED	
PART 3 EXECUTION	
3.01 REQUESTS FOR INTERPRETATION (RFI)	
A. Definition: A request seeking one of the following:	
1. An interpretation, amplification, or clarification of some requirement of Contract Documents arising from inability to determine from them the exact material, process, or system to be installed; or when the elements of construction are required to occupy the same space (interference); or when an item of work is described differently at more than one place in Contract Documents.	
B. Preparation: Prepare an RFI immediately upon discovery of a need for interpretation of Contract Documents. Failure to submit a RFI in a timely manner is not a legitimate cause for claiming additional costs or delays in execution of the work.	
1. Prepare a separate RFI for each specific item.	
3.02 SUBMITTALS FOR REVIEW	
A. When the following are specified in individual sections, submit them for review:	
1. Product data.	
2. Design data.	
3. Shop drawings.	
4. Samples for selection.	
5. Samples for verification.	
B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.	
C. Samples will be reviewed for aesthetic, color, or finish selection.	
D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 017800 - Closeout Submittals.	
3.03 SUBMITTAL PROCEDURES	
A. General Requirements:	
1. Use a separate transmittal for each item.	
2. Transmit using approved form.	
a. Use Contractor's form, subject to prior approval by Architect.	
3. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.	
4. Identify variations from Contract Documents and product or system limitations that may be detrimental to successful performance of the completed work.	
3.04 SUBMITTAL REVIEW	
A. Submittals for Review: Architect will review each submittal, and approve, or take other appropriate action.	
B. Submittals for Information: Architect will acknowledge receipt and review. See below for actions to be taken.	
C. Architect's actions will be reflected by marking each returned submittal using virtual stamp on electronic submittals.	
D. Architect's and consultants' actions on items submitted for review:	
1. Authorizing purchasing, fabrication, delivery, and installation:	
a. "No Exception Taken", or language with same legal meaning.	
b. "See Comments", or language with same legal meaning.	
1) At Contractor's option, submit corrected item, with review notations acknowledged and incorporated.	
c. "Approved as Noted, Resubmit for Record", or language with same legal meaning.	
2. Not Authorizing fabrication, delivery, and installation:	
a. "Revise and Resubmit".	
1) Resubmit revised item, with review notations acknowledged and incorporated.	
b. "Rejected".	
1) Submit item complying with requirements of Contract Documents.	
E. Architect's and consultants' actions on items submitted for information:	
1. Items for which no action was taken:	
a. "Received" - to notify the Contractor that the submittal has been received for record only.	
2. Items for which action was taken:	
a. "Reviewed" - no further action is required from Contractor.	
END OF SECTION	
DIVISION 02 - EXISTING CONDITIONS	
SECTION 024100	
DEMOLITION	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. Selective demolition of building elements for alteration purposes.	
1.02 DEFINITIONS	
A. Demolition: Dismantle, raze, destroy or wreck any building or structure or any part thereof.	
B. Remove: Detach or dismantle items from existing construction and dispose of them off site, unless items are indicated to be salvaged or reinstalled.	
C. Remove and Salvage: Detach or dismantle items from existing construction in a manner to prevent damage. Clean, package, label and deliver salvaged items to Owner in ready-for-reuse condition.	
D. Remove and Reinstall: Detach or dismantle items from existing construction in a manner to prevent damage. Clean and prepare for reuse and reinstall where indicated.	
E. Existing to Remain: Designation for existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.	
1.03 REFERENCE STANDARDS	
A. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations; 2022, with Errata (2021).	
PART 3 EXECUTION	
2.01 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. 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.	
3. Provide, erect, and maintain temporary barriers and security devices.	
4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.	
5. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.	
6. 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.	
7. 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 Owner.	
C. Protect existing structures and other elements to remain in place and not 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.	
2.02 EXISTING UTILITIES	
A. Coordinate work with utility companies. Notify utilities before starting work, comply with their requirements, and 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 Owner.	
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 Owner.	
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.	
2.03 SELECTIVE DEMOLITION FOR ALTERATIONS	
A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.	
1. Verify construction and utility arrangements are as indicated.	
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. Separate areas in which demolition is being conducted from areas that remain occupied.	
1. Provide, erect, and maintain temporary dustproof partitions of construction specified in Section 015000 in locations indicated on drawings.	
C. Remove existing work as indicated and required to accomplish new work.	
1. Remove items indicated on drawings.	
D. 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 to remain in operation, and 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.	
E. Protect existing work to remain.	
1. Prevent movement of structure. Provide shoring and bracing as required.	
2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.	
3. Repair adjacent construction and finishes damaged during removal work.	
4. Patch to match new work.	
2.04 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	
DIVISION 03 - CONCRETE	
SECTION 033000	
CAST-IN-PLACE CONCRETE	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. Concrete formwork.	
B. Floors and slabs on grade.	
C. Concrete reinforcement.	
D. Joint devices associated with concrete work.	
E. Concrete curing.	
1.02 RELATED REQUIREMENTS	
A. Section 079200 - Joint Sealants: Products and installation for sealants and joint fillers for saw cut joints and isolation joints in slabs.	
1.03 REFERENCE STANDARDS	
A. ACI PRC-211.1 - Selecting Proportions for Normal-Density and High Density-Concrete - Guide; 2022.	
B. ACI PRC-304 - Guide for Measuring, Mixing, Transporting, and Placing Concrete; 2000 (Reapproved 2009).	
C. ACI PRC-308 - Guide to External Curing of Concrete; 2016.	
D. ACI PRC-347 - Guide to Formwork for Concrete; 2014 (Reapproved 2021).	
E. ACI SPEC-301 - Specifications for Concrete Construction; 2020.	
F. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2022.	
G. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2018.	
H. ASTM C39/C39M - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens; 2021.	
I. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2023.	
J. ASTM C150/C150M - Standard Specification for Portland Cement; 2022.	
K. ASTM C173/C173M - Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method; 2016.	
L. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete; 2010a (Reapproved 2016).	
M. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2019, with Editorial Revision (2022).	
N. ASTM C618 - Standard Specification for Coal Ash and Raw or Calcined Natural Pozzolan for Use in Concrete; 2023, with Editorial Revision.	
O. ASTM C1240 - Standard Specification for Silica Fume Used in Cementitious Mixtures; 2020.	
P. ASTM C1602/C1602M - Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete; 2018.	
1.04 SUBMITTALS	
A. See Section 013000 - Administrative Requirements for submittal procedures.	
B. Mix Design: Submit proposed concrete mix design.	
C. Test Reports: Submit report for each test or series of tests specified.	
PART 2 PRODUCTS	
2.01 FORMWORK	
A. Form Materials: Contractor's choice of standard products with sufficient strength to withstand hydrostatic head without distortion in excess of permitted tolerances.	
1. Form Ties: Cone snap type that will leave no metal within 1-1/2 inches (38 mm) of concrete surface.	
2.02 REINFORCEMENT MATERIALS	
A. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi) (420 MPa).	
1. Type: Deformed billet-steel bars.	
2.03 CONCRETE MATERIALS	
A. Cement: ASTM C150/C150M, Type II - Moderate Portland type.	
1. Acquire cement for entire project from same source.	
B. Fine and Coarse Aggregates: ASTM C33/C33M.	
1. Acquire aggregates for entire project from same source.	
C. Fly Ash: ASTM C618, Class C or F.	
D. Silica Fume: ASTM C1240, proportioned in accordance with ACI PRC-211.1.	
E. Water: ASTM C1602/C1602M; clean, potable, and not detrimental to concrete.	
2.04 ADMIXTURES	
A. Do not use chemicals that will result in soluble chloride ions in excess of 0.1 percent by weight of cement.	
B. Air Entrainment Admixture: ASTM C260/C260M.	
1. Exterior flatwork: 4-7% of volume.	
C. Water Reducing Admixture: ASTM C494/C494M Type A.	
2.05 ACCESSORY MATERIALS	
2.06 CONCRETE MIX DESIGN	
A. Concrete Strength: Establish required average strength for each type of concrete on the basis of field experience or trial mixtures, as specified in ACI SPEC-301.	
1. For trial mixtures method, employ independent testing agency acceptable to Architect for preparing and reporting proposed mix designs.	
B. Admixtures: Add acceptable admixtures as recommended in ACI PRC-211.1 and at rates recommended or required by manufacturer.	
C. Normal Weight Concrete - Exterior Footings and Walls:	
1. Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 4,500 pounds per square inch (31 MPa).	
2. Water-Cement Ratio: Maximum 45 percent by weight.	
3. Total Air Content: 6 percent, determined in accordance with ASTM C173/C173M.	
4. Maximum Aggregate Size: 1 inch (___ mm).	
D. Normal Weight Concrete - Exterior Slabs on Grade:	
1. Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 4,500 pounds per square inch (31 MPa).	
2. Water-Cement Ratio: Maximum 45 percent by weight.	
3. Total Air Content: 6 percent, determined in accordance with ASTM C173/C173M.	
4. Maximum Aggregate Size: 1 inch (___ mm).	
2.07 MIXING	
A. Transit Mixers: Comply with ASTM C94/C94M.	
B. Adding Water: If concrete arrives on-site with slump less than suitable for placement, do not add water that exceeds the maximum water-cement ratio or exceeds the maximum permissible slump.	
PART 3 EXECUTION	
3.01 EXAMINATION	
A. Verify lines, levels, and dimensions before proceeding with work of this section.	
3.02 PREPARATION	
A. Formwork: Comply with requirements of ACI SPEC-301. Design and fabricate forms to support all applied loads until concrete is cured and for easy removal without damage to concrete.	
B. Where new concrete is to be bonded to previously placed concrete, prepare existing surface by cleaning and applying bonding agent in according to bonding agent manufacturer's instructions.	
1. Use latex bonding agent only for non-load-bearing applications.	
3.03 INSTALLING REINFORCEMENT AND OTHER EMBEDDED ITEMS	
A. Comply with requirements of ACI SPEC-301. Clean reinforcement of loose rust and mill scale, and accurately position, support, and secure in place to achieve not less than minimum concrete coverage required for protection.	
B. Install welded wire reinforcement in maximum possible lengths, and offset end laps in both directions. Splice laps with tie wire.	
3.04 PLACING CONCRETE	
A. Place concrete in accordance with ACI PRC-304.	
B. Ensure reinforcement, inserts, embedded parts, and formed construction joint devices will not be disturbed during concrete placement.	
3.05 CONCRETE FINISHING	
A. Repair surface defects, including tie holes, immediately after removing formwork.	
B. Exposed Form Finish: Rub down or chip off and smooth fins or other raised areas 1/4 inch (6 mm) or more in height. Provide finish as follows:	
1. Smooth Rubbed Finish: Wet concrete and rub with carborundum brick or other abrasive, not more than 24 hours after form removal.	
3.06 CURING AND PROTECTION	
A. Comply with requirements of ACI PRC-308. Immediately after placement, protect concrete from premature drying, excessively hot or cold temperatures, and mechanical injury.	
B. Maintain concrete with minimal moisture loss at relatively constant temperature for period necessary for hydration of cement and hardening of concrete.	
3.07 FIELD QUALITY CONTROL	
A. An independent testing agency will perform field quality control tests, as specified in Section 014000 - Quality Requirements.	
B. Provide free access to concrete operations at project site and cooperate with appointed firm.	
C. Tests of concrete and concrete materials may be performed at any time to ensure compliance with specified requirements.	
3.08 DEFECTIVE CONCRETE	
A. Test Results: The testing agency shall report test results in writing to Architect and Contractor within 24 hours of test.	
B. Defective Concrete: Concrete not complying with required lines, details, dimensions, tolerances or specified requirements.	
C. Repair or replacement of defective concrete will be determined by the Architect. The cost of additional testing shall be borne by Contractor when defective concrete is identified.	
D. Do not patch, fill, touch-up, repair, or replace exposed concrete except upon express direction of Architect for each individual area.	
3.09 PROTECTION	
A. Do not permit traffic over unprotected concrete floor surface until fully cured.	
END OF SECTION	
DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES	
SECTION 061000	
ROUGH CARPENTRY	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. Structural dimension lumber framing.	
B. Preservative treated wood materials.	
1.02 RELATED REQUIREMENTS	
A. Section 061800 - Glued-Laminated Construction.	
1.03 REFERENCE STANDARDS	
A. AWC (WFCM) - Wood Frame Construction Manual for One- and Two-Family Dwellings; 2024, with Errata.	
B. AWPAA U1 - Use Category System: User Specification for Treated Wood; 2023.	
C. PS 20 - American Softwood Lumber Standard; 2021.	
D. WWPAA G-5 - Western Lumber Grading Rules; 2021.	
1.04 DELIVERY, STORAGE, AND HANDLING	
A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.	
PART 2 PRODUCTS	
2.01 GENERAL REQUIREMENTS	
A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.	
1. Species: Douglas Fir-Larch, unless otherwise indicated.	
2. If no species is specified, provide species graded by the agency specified; if no grading agency is specified, provide lumber graded by grading agency meeting the specified requirements.	
3. Grading Agency: Grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee at www.alsc.org, and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.	
B. Lumber fabricated from old growth timber is not permitted.	
2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS	
A. Sizes: Nominal sizes as indicated on drawings, S4S.	
B. Moisture Content: S-dry or MC19.	
C. Stud Framing (2 by 2 through 2 by 6 (50 by 50 mm through 50 by 150 mm)):	
1. Species: Douglas Fir-Larch.	
2. Grade: Select Structural.	
D. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:	
1. Lumber: S4S, No. 2 or Standard Grade.	
2. Boards: Standard or No. 3.	
2.03 TIMBERS FOR CONCEALED APPLICATIONS	
A. Grading Agency: Western Wood Products Association; WWPAA G-5.	
B. Sizes: Nominal sizes as indicated on drawings, S4S.	
C. Moisture Content: S-dry (23 percent maximum).	
D. Beams and Posts 5 inches (125 mm) and over in thickness:	
1. Species: Douglas Fir-Larch.	
2. Grade: Select Structural.	
2.04 ACCESSORIES	
A. Fasteners and Anchors:	
1. Metal and Finish: Stainless steel for high humidity and preservative-treated wood locations, unfinished steel elsewhere.	
2.05 FACTORY WOOD TREATMENT	
A. Treated Lumber and Plywood: Comply with requirements of AWPAA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.	
1. Preservative-Treated Wood: Provide lumber and plywood marked or stamped by an ALSC-accredited testing agency, certifying level and type of treatment in accordance with AWPAA standards.	
B. Preservative Treatment:	
1. Preservative Pressure Treatment of Lumber Above Grade: AWPAA U1, Use Category UC3B, Commodity Specification A using waterborne preservative.	
a. Kiln dry lumber after treatment to maximum moisture content of 19 percent.	
2. Preservative Pressure Treatment of Plywood Above Grade: AWPAA U1, Use Category UC2 and UC3B, Commodity Specification F using waterborne preservative.	
a. Kiln dry plywood after treatment to maximum moisture content of 19 percent.	

3.03 FRAMING INSTALLATION

- A. Set structural members level, plumb, and true to line. Discard pieces with defects that would lower required strength or result in unacceptable appearance of exposed members.
- B. Make provisions for temporary construction loads, and provide temporary bracing sufficient to maintain structure in true alignment and safe condition until completion of erection and installation of permanent bracing.
- C. Install structural members full length without splices unless otherwise specifically detailed.
- D. Comply with member sizes, spacing, and configurations indicated, and fastener size and spacing indicated, but not less than required by applicable codes, AWC (WFCM) Wood Frame Construction Manual, and _____.
- E. Construct double joist headers at floor and ceiling openings and under wall stud partitions that are parallel to floor joists; use metal joist hangers unless otherwise detailed.
- F. Frame wall openings with two or more studs at each jamb; support headers on cripple studs.

3.04 BLOCKING, NAILERS, AND SUPPORTS

- A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.
- B. In framed assemblies that have concealed spaces, provide solid wood fireblocking as required by applicable local code, to close concealed draft openings between floors and between top story and roof/attic space; other material acceptable to authorities having jurisdiction may be used in lieu of solid wood blocking.
- C. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.
- D. Provide the following specific nonstructural framing and blocking:
- Cabinets and shelf supports.
 - Wall brackets.
 - Handrails.
 - Grab bars.
 - Towel and bath accessories.
 - Wall-mounted door stops.
 - Chalkboards and marker boards.
 - Wall paneling and trim.
 - Joints of rigid wall coverings that occur between studs.

3.05 TOLERANCES

- A. Framing Members: 1/4 inch (6 mm) from true position, maximum.
- B. Surface Flatness of Floor: 1/8 inch in 10 feet (1 mm/m) maximum, and 1/4 inch in 30 feet (7 mm in 10 m) maximum.
- C. Variation from Plane, Other than Floors: 1/4 inch in 10 feet (2 mm/m) maximum, and 1/4 inch in 30 feet (7 mm in 10 m) maximum.

3.06 CLEANING

- A. Waste Disposal: See Section 017419 - Construction Waste Management and Disposal.
- Comply with applicable regulations.
 - Do not burn scrap on project site.
 - Do not burn scraps that have been pressure treated.
 - Do not send materials treated with pentachlorophenol, CCA, or ACA to co-generation facilities or "waste-to-energy" facilities.
- B. Do not leave wood, shavings, sawdust, etc. on the ground or buried in fill.
- C. Prevent sawdust and wood shavings from entering the storm drainage system.

END OF SECTION

SECTION 061800
GLUED-LAMINATED CONSTRUCTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Glue laminated wood beams and purlins.
- B. Steel hardware and attachment brackets.

1.02 REFERENCE STANDARDS

- A. AITC A190.1 - American National Standard for Wood Products - Structural Glued Laminated Timber; 2007.
- B. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2023).

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.

1.04 DELIVERY, STORAGE, AND HANDLING

PART 2 PRODUCTS

2.01 MANUFACTURERS

2.02 GLUED-LAMINATED UNITS

- A. Glued-Laminated Units: Fabricate in accordance with AITC 117 Industrial grade.
- Verify dimensions and site conditions prior to fabrication.
 - Cut and fit members accurately to length to achieve tight joint fit.
 - Fabricate member with camber built in.
 - Do not splice or join members in locations other than those indicated without permission.
 - Fabricate steel hardware and connections with joints neatly fitted, welded, and ground smooth.
 - Welding: Perform welding in accordance with AWS D1.1/D1.1M.
 - After end trimming, seal with penetrating sealer in accordance with AITC requirements.
 - Performance Criteria: As indicated on drawings.

2.03 FABRICATION

- A. Fabricate glue laminated structural members in accordance with AITC Industrial grade.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that supports are ready to receive units.
- B. Verify sufficient end bearing area.

3.02 PREPARATION

- A. Coordinate placement of bearing items.

3.03 ERECTION

- A. Lift members using protective straps to prevent visible damage.
- B. Set structural members level and plumb, in correct positions or sloped where indicated.
- C. Provide temporary bracing and anchorage to hold members in place until permanently secured.
- D. Fit members together accurately without trimming, cutting, splicing, or other unauthorized modification.

3.04 TOLERANCES

- A. Framing Members: 1/2 inch (12 mm) maximum from true position.

END OF SECTION

SECTION 062000
FINISH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Finish carpentry items.
- B. Wood casings and moldings.

1.02 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
- B. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Protect from moisture damage.

PART 2 PRODUCTS

2.01 FINISH CARPENTRY ITEMS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Interior Woodwork Items:
- Moldings, Bases, Casings, and Miscellaneous Trim: Match existing wood and prepare for transparent finish.
 - Window Sills: Match existing wood and prepare for transparent finish.

2.02 FASTENINGS

- A. Adhesive for Purposes Other Than Laminate Installation: Suitable for the purpose; not containing formaldehyde or other volatile organic compounds.
- B. Fasteners for Interior Finish Carpentry: Nails, screws and other anchoring devices of type, size, material, and finish required for application indicated to provide secure attachment, concealed where possible.

2.03 ACCESSORIES

- A. Adhesive: Type recommended by fabricator to suit application.
- B. Primer: Alkyd primer sealer.

- C. Wood Filler: Solvent base, tinted to match surface finish color.

2.04 FABRICATION

- A. Shop assemble work for delivery to site, permitting passage through building openings.
- B. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.

3.02 INSTALLATION

- A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch (0.79 mm). Do not use additional overlay trim to conceal larger gaps.

3.03 PREPARATION FOR SITE FINISHING

- A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.
- B. Before installation, prime paint surfaces of items or assemblies to be in contact with cementitious materials.

3.04 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch (1.6 mm).
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch (0.79 mm).

END OF SECTION

SECTION 064100
ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware.

1.02 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
- B. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.

PART 2 PRODUCTS

2.01 CABINETS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

2.02 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.

2.03 PANEL CORE MATERIALS

2.04 HARDWOOD PLYWOOD PANELS

2.05 THERMALLY FUSED LAMINATE PANELS

2.06 ACCESSORIES

2.07 HARDWARE

- A. Countertop Brackets: Fixed, concealed vertical leg, side-of-stud mounting.
- Materials: Steel L- and T-shapes.
 - Finish: Manufacturer's standard, factory-applied, powder coat.
 - Color: Black.
 - Materials: Steel plates.
 - Vertical Leg: 2-1/2 inches (64 mm) by 8 inches (200 mm) by 1/4 inch (9.53 mm).
 - Support Member Thickness: 1/2 inch (9.53 mm).
 - Support Member Width: 2-1/2 inches (64 mm).
 - Support Member Length: 15 1/2" inches (____ mm).
 - Products:
 - Centerline Brackets; Floating Wall Mount: www.countertopbracket.com/#sle.
 - Iron Supports, Floating Countertop Wall Bracket.

2.08 FABRICATION

END OF SECTION

SECTION 064200
WOOD PANELING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Custom wood veneer paneling.
- B. Shop finishing.

1.02 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
- B. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.

PART 2 PRODUCTS

2.01 PANELING

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless otherwise indicated.
- B. Stile and Rail Paneling:
- Species: Match existing.
 - Panel Veneer Cut: Match existing.
 - Rails: 1 1/2 inch x 3 1/2 inch (match existing) inch (____ mm).
 - Stiles: 3/4 inch (Match existing)
 - Joints: Fastened with dowels or biscuits.
 - Panels: Flat.
 - Finish: Transparent, shop finished.
- C. Flat Paneling:
- Species: Match existing.
 - Cut: Match existing.
 - Panels: Veneer of full width and balanced sequence matched.
 - Visible Edges and Reveals: Filled and painted.
 - Outside Corners: Mitered and splined.

2.02 WOOD-BASED MATERIALS - GENERAL

2.03 FABRICATION

- A. Prepare panels for delivery to site, permitting passage through building openings.
- B. Finish exposed edges of panels as specified by grade requirements.

2.04 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
- Transparent:
 - System - 1, Lacquer, Nitrocellulose.
 - Sheen: Satin, (Match existing)

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Do not begin installation until wood materials have been fully acclimated to interior conditions.
- C. Set and secure materials and components in place, plumb and level, using concealed fasteners wherever possible.

END OF SECTION

DIVISION 07 - THERMAL AND MOISTURE PROTECTION
SECTION 079200
JOINT SEALANTS

PART 1 GENERAL

1.01 REFERENCE STANDARDS

- A. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.
- B. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016 (Reapproved 2023).
- C. ASTM C1248 - Standard Test Method for Staining of Porous Substrate by Joint Sealants; 2022.
- D. ASTM C1330 - Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid-Applied Sealants; 2023.

PART 2 PRODUCTS

2.01 JOINT SEALANT APPLICATIONS

- A. Scope:
- Interior Joints:
 - Seal the following joints:
 - Joints between door frames, window frames, and other frames and adjacent construction.
 - Do Not Seal:
 - Intentional weep holes in masonry.
 - Joints indicated to be covered with expansion joint cover assemblies.
 - Joints where sealant is specified to be furnished and installed by manufacturer of product to be sealed.
 - Joints where sealant installation is specified in other sections.

2.02 JOINT SEALANTS - GENERAL

2.03 NONSAG JOINT SEALANTS

- A. Nonstaining Silicone Sealant: ASTM C920, Grade NS, Uses M and A; not expected to withstand continuous water immersion or traffic.
- Movement Capability: Plus and minus 50 percent, minimum.
 - Nonstaining to Porous Stone: Nonstaining to light-colored natural stone when tested in accordance with ASTM C1248.
 - Dirt Pick-Up: Reduced dirt pick-up compared to other silicone sealants.
 - Products:
 - Dow; DOWSIL 791 Silicone Weatherproofing Sealant: www.dow.com/#sle.
 - Dow; DOWSIL 795 Silicone Building Sealant: www.dow.com/#sle.
 - Pecora Corporation; Pecora 890 NST (Non-Staining Technology): www.pecora.com/#sle.
 - Pecora Corporation; Pecora 864 NST (Non-Staining Technology): www.pecora.com/#sle.
 - Tremco Commercial Sealants & Waterproofing; Spectrem 1: www.tremcosealants.com/#sle.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.
- 3.03 INSTALLATION
- A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Provide joint sealant installations complying with ASTM C1193.
- C. Install bond breaker backing tape where backer rod cannot be used.
- D. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- E. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- F. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

END OF SECTION

DIVISION 08 - OPENINGS
SECTION 080671
DOOR HARDWARE SCHEDULE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Preliminary schedule of door hardware sets for swinging as indicated on drawings.

1.02 RELATED REQUIREMENTS

- A. Section 087100 - Door Hardware: Requirements to comply with in coordination with this section.

1.03 REFERENCE STANDARDS

- A. BHMA A156.18 - Standard for Materials and Finishes; 2020.
- B. DHI (H&S) - Sequence and Format for the Hardware Schedule; 2019.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Only manufacturers listed in Door Hardware Schedule or Section 087100 are considered acceptable, unless noted otherwise.
- B. Obtain each type of door hardware as indicated from a single manufacturer and single supplier.
- C. Manufacturer's Abbreviations: Coordinate with manufacturers listed in Section 087100.
- IVE - Ives.
 - LCN - LCN.
 - SCH - Schlage.

2.02 DESCRIPTION

- A. Door hardware sets provided represent the design intent, they are only a guideline and should not be considered a detailed or complete hardware schedule.
- Provide door hardware item(s) as required for similar purposes, even when item is not listed for a door in Door Hardware Schedule.
 - Door hardware supplier is responsible for providing proper size and hand of door for products required in accordance with Door Hardware Schedule and as indicated on drawings.
 - Quantities listed are for each Pair (PR) of doors, or for each Single (SGL) door, as indicated in hardware sets.

2.03 FINISHES

- A. Finishes: Complying with BHMA A156.18.

PART 3 EXECUTION

3.01 DOOR HARDWARE SCHEDULE

- A. Organize listing of door hardware components within each hardware set in compliance with 10-Part scheduling sequence indicated in DHI (H&S), unless otherwise indicated.

3.02 HARDWARE SET # 01: "LOBBY TO RECEPTION"

- A. For use on Door Number(s): 102A.
- B. Provide for each Single (SGL) door(s).
- | UNITS | LOCK | ITEM | DESCRIPTION | FINISH | MFR |
|-------|------|---------------------|---------------------|--------|----------|
| 1 EA | | CONTROL UNIT | 4200 | | SALTO |
| 1 EA | | POWER SUPPLY | AL400 | | ALTRONIX |
| 1 EA | | WALL READER | WRDM0A4B | | SALTO |
| 1 EA | | DOOR RELEASE | ALARM CONTROL TS-18 | | |
| 1 EA | | ELECTRIC STRIKE | HES 5200 C | 689 | |
| 1 EA | | STOREROOM LEVER SET | ND80PD RHO | 626 | SCH |
| 1 EA | | CLOSER | 4011 TBWMS | | LCN |
| 3 EA | | BUTT HINGES | 5BB1 4.5 x 4.5 NRP | 626 | IVE |
| 3 EA | | SILENCER | SR64 | GRY | IVE |
- C. In addition to the above, low-voltage cabling shall run from the Salto equipment in the mechanical mezzanine to the new door. The cabling to be provided:
- 1 - 18/4 Stranded cable to the Electric Strike
 - 1 - 22/6 Stranded and shielded cable for the card reader
 - 1 - 22/4 Stranded cable to the reception desk for door release

END OF SECTION

SECTION 081113
HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal doors and frames.
- B. Hollow metal frames for wood doors.

1.02 RELATED REQUIREMENTS

- A. Section 087100 - Door Hardware.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors; 2022.
- C. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100); 2023.

- D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- E. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable; 2021a.
- F. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2023.
- G. ASTM C143/C143M - Standard Test Method for Slump of Hydraulic-Cement Concrete; 2020.
- H. ASTM C476 - Standard Specification for Grout for Masonry; 2023.
- I. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- J. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames; 2014.
- K. SDI 117 - Manufacturing Tolerances for Standard Steel Doors and Frames; 2023.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Hollow Metal Doors and Frames:
- Ceco Door, an Assa Abloy Group company; ____; www.assaabloydss.com/#sle.
 - Curries, an Assa Abloy Group company; ____; www.assaabloydss.com/#sle.
 - Fleming Door Products, an Assa Abloy Group company; ____; www.assaabloydss.com/#sle.
 - Mesker, dormakaba Group; FDJ Series Drywall Frames: www.meskeropeningsgroup.com/#sle.
 - Steelcraft, an Allegion brand; ____; www.allegion.com/#sle.

2.02 PERFORMANCE REQUIREMENTS

- A. Requirements for Hollow Metal Doors and Frames:
- Steel Sheet: Comply with one or more of the following requirements; galvannealed steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
 - Accessibility: Comply with ICC A117.1 and ADA Standards.
- B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.03 HOLLOW METAL DOORS

2.04 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Frame Finish: Factory primed and field finished.
- C. Interior Door Frames, Non-Fire Rated: Full profile/continuously welded type.
- D. Frames for Wood Doors: Comply with frame requirements in accordance with corresponding door.

2.05 ACCESSORIES

- A. Grout for Frames: Mortar grout complying with ASTM C476 with maximum slump of 4 inches (102 mm) as measured in accordance with ASTM C143/C143M for hand troweling in place; plaster grout and thinner pumpable grout are prohibited.
- B. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without center mullions.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.
- C. Grout frames in masonry construction, using hand trowel methods; brace frames so that pressure of grout before setting will not deform frames.
- D. Install door hardware as specified in Section 087100.

3.02 TOLERANCES

- A. Clearances Between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated in accordance with SDI 117 or NAAMM HMMA 861.
- B. Maximum Diagonal Distortion: 1/16 inch (1.6 mm) measured with straight edge, corner to corner.

3.03 ADJUSTING

- A. Adjust for smooth and balanced door movement.

3.04 SCHEDULE

- A. Refer to Door and Frame Schedule on the drawings.

END OF SECTION

SECTION 081416 FLUSH WOOD DOORS

PART 2 PRODUCTS

1.01 DOORS AND PANELS

- A. Doors: See drawings for locations and additional requirements.
- Quality Standard: Custom Grade, Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Interior Doors: 1-3/4 inches (44 mm) thick unless otherwise indicated; flush construction.
- Provide solid core doors at each location.

1.02 DOOR AND PANEL CORES

1.03 DOOR FACINGS

1.04 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
- B. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- C. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
- D. Provide edge clearances in accordance with the quality standard specified.

1.05 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:

1.06 ACCESSORIES

- A. Hollow Metal Door Frames: See Section 081113.

END OF SECTION

SECTION 085659 SERVICE AND TELLER WINDOW UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Service and teller window units.

1.02 REFERENCE STANDARDS

- A. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.
- B. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Submit manufacturer's product data for specified products indicating materials, operation, glazing, finishes, and installation instructions.
- C. Shop Drawings: Indicate configuration, sizes, rough-in, mounting, anchors and fasteners, and installation clearances.
- D. Manufacturer Qualification Statement.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with at least ten years documented experience, and with ability to provide test reports showing that their standard manufactured products meet the specified requirements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

2.02 SERVICE AND TELLER WINDOW UNITS

- A. Location: Built within interior wall, as indicated on drawings.
- B. Type of Use: As indicated on drawings.
- C. Window Type: W1.
- Mounting: Flush with wall surface.
 - Window Size: 36 inch wide by 36 inch high (914 mm wide by 914 mm high).
 - Material: Aluminum.
 - Finish: Color anodized, dark bronze.
 - Sill: Manufacturer's standard type with deal tray.
- D. Glazing: Single (monolithic), clear.
- Tempered safety glazing.

- E. Communication: Speak Around.

2.03 ASSEMBLY COMPONENTS

- A. Windows: Factory-fabricated, finished, and glazed, with extruded aluminum frame and glazing stops; complete with hardware and anchors.
- Provide window units that are re-glazable from the secure side without dismantling the non-secure side of framing.
 - Rigidly fit and secure joints and corners with internal reinforcement. Make joints and connections flush, hairline, and weatherproof. Fully weld corners.
 - Apply factory finish to exposed surfaces.
 - Wind Design: Design and size components to withstand dead loads and live loads caused by pressure and negative wind loads acting normal to plane of window as calculated in accordance with applicable code.
- B. Deal Tray: Integral with window sill.
- Material: One piece stainless steel tray construction, 18 gauge, 0.0500 inch (1.27 mm) minimum thickness.
 - Overall Size with Curved Tray Bottom: 8 inch deep by 11-1/2 inch wide (203 mm deep by 292 mm wide).

2.04 MATERIALS

- A. Aluminum Extrusions: Minimum 1/8 inch (3.2 mm) thick frame and sash material complying with ASTM B221 and ASTM B221M.
- B. Monolithic Glass: Fully tempered float glass; minimum 1/4 inch (6.4 mm) thickness.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install units in correct orientation (inside/outside or secure/non-secure).
- C. Anchor units securely in manner so as to achieve performance specified.

3.02 CLEANING

- A. Remove protective material from factory finished surfaces.
- B. Clean exposed surfaces promptly after installation without damaging finishes.

END OF SECTION

SECTION 087100 DOOR HARDWARE

PART 1 GENERAL

1.01 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. BHMA A156.1 - Standard for Butts and Hinges; 2021.
- C. BHMA A156.4 - Door Closers and Pivots; 2024.
- D. BHMA A156.16 - Standard for Auxiliary Hardware; 2023.
- E. BHMA A156.31 - Electric Strikes and Frame Mounted Actuators; 2024.
- F. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- G. UL (DIR) - Online Certifications Directory; Current Edition.

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Provide door hardware products that comply with the following requirements:
- Applicable provisions of federal, state, and local codes.
 - Accessibility: ADA Standards and ICC A117.1.
- D. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's series. See Door Hardware Schedule.

2.02 HINGES

- A. Hinges: Comply with BHMA A156.1, Grade 1.
- Provide hinges on every swinging door.
 - Provide following quantity of butt hinges for each door:
 - Doors From 60 inches (1.5 m) High up to 90 inches (2.3 m) High: Three hinges.

2.03 ELECTRIC STRIKES

- A. Refer to 080671 Door Hardware Schedule for Access Control Equipment
- B. Electric Strikes: Comply with BHMA A156.31, Grade 1.
- Provide UL (DIR) listed burglary-resistant electric strike; style to suit locks.
 - Provide non-handed 24 VDC electric strike suitable for door frame material and scheduled lock configuration.

2.04 CLOSERS

- A. Closers: Comply with BHMA A156.4, Grade 1.
- Type: Surface mounted to door.
 - Provide door closer on each exterior door.

2.05 WALL STOPS

- A. Wall Stops: Comply with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.
- Type: Bumper, concave, wall stop.
 - Material: Aluminum housing with rubber insert.

2.06 FINISHES

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
- D. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

END OF SECTION

SECTION 088000 GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Glazing units.
- B. Glazing compounds.

1.02 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test; 2015 (Reaffirmed 2020).
- C. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass; 2019.

PART 2 PRODUCTS

2.01 GLASS MATERIALS

- A. Laminated Glass: Float glass laminated in accordance with ASTM C1172.
- Laminated Safety Glass: Complies with ANSI Z97.1 - Class B or 16 CFR 1201 - Category I impact test requirements.

2.02 GLAZING UNITS

- A. Type G-3 - Monolithic Safety Glazing: Non-fire-rated.
- Applications:
 - Glazed lites in doors, except fire doors.
 - Glazed sidelights to doors, except in fire-rated walls and partitions.
 - Other locations required by applicable federal, state, and local codes and regulations.
 - Other locations indicated on drawings.
 - Glass Type: Fully tempered safety glass as specified.
 - Tint: Clear.
 - Thickness: 1/4 inch (6.4 mm), nominal.
- B. Type G-6 - Security Glazing: Laminated glass, 3-Ply.
- Applications: Locations as indicated on drawings.
 - Tint: Clear.
 - Thickness: 1/2 inch (12.7 mm).
 - Outer Lite: Annealed glass.
 - Interlayer: Polyvinyl butyral (PVB), thickness as required to meet performance criteria.
 - Middle Lite: Annealed glass.
 - Interlayer, Inboard Side : Polyvinyl butyral (PVB), thickness as required to meet performance criteria.
 - Inside Lite: Annealed glass.

2.03 ACCESSORIES

- A. Frameless Glass Relite Glazing Channels: Oil Rubbed Bronze aluminum glazing channels for interior use as frames for butt-joint frameless glass relites. Attach to structural components as detailed.
- Provide 1 5/8" x 1 5/8" sections at head.
 - Provide 1 5/8" x 3/4" sections at sills
- B. Manufacturer: CR Laurence Regular and Shallow U-Channels
- UCDU3812SL, Black Bronze Anodized
 - SCDU3812240, Black Bronze Anodized

PART 3 EXECUTION

3.01 INSTALLATION, GENERAL

END OF SECTION

DIVISION 09 - FINISHES

SECTION 092116

GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Performance criteria for gypsum board assemblies.
- B. Metal stud wall framing.
- C. Metal channel ceiling framing.
- D. Acoustic insulation.
- E. Cementitious backing board.
- F. Gypsum wallboard.
- G. Joint treatment and accessories.
- H. Textured finish system.

1.02 RELATED REQUIREMENTS

- A. Section 072100 - Thermal Insulation: Acoustic insulation.
- B. Section 072500 - Weather Barriers: Water-resistive barrier over sheathing.

1.03 REFERENCE STANDARDS

- A. AISI S100 - North American Specification for the Design of Cold-Formed Steel Structural Members; 2016, with Supplement (2020).
- B. AISI S220 - North American Standard for Cold-Formed Steel Nonstructural Framing; 2020.
- C. AISI S240 - North American Standard for Cold-Formed Steel Structural Framing; 2015, with Errata (2020).
- D. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units; 2018.
- E. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units; 2019.
- F. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- G. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- H. ASTM A1003/A1003M - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members; 2015.
- I. ASTM C1007 - Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories; 2020.
- J. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2017 (Reapproved 2022).
- K. ASTM C557 - Standard Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing; 2003 (Reapproved 2017).
- L. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2020.
- M. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2020.
- N. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness; 2022.
- O. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2022.
- P. ASTM C1047 - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base; 2019.
- Q. ASTM C1325 - Standard Specification for Fiber-Mat Reinforced Cementitious Backer Units; 2022.
- R. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2017.
- S. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2021.
- T. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009 (Reapproved 2016).
- U. ASTM E413 - Classification for Rating Sound Insulation; 2022.
- V. GA-216 - Application and Finishing of Gypsum Panel Products; 2021.

PART 2 PRODUCTS

2.01 GYPSUM BOARD ASSEMBLIES

- A. Provide completed assemblies complying with ASTM C840 and GA-216.
- B. Interior Partitions, Indicated as Acoustic: Provide completed assemblies with the following characteristics:
- Acoustic Attenuation: STC of 45-49 calculated in accordance with ASTM E413, based on tests conducted in accordance with ASTM E90.
- C. Seismic Performance: Ceiling systems designed to withstand the effects of earthquake motions in accordance with ASCE 7 for Seismic Design Category D, E, or F and complying with the following:
- Local authorities having jurisdiction.
- D. Fire-Resistance-Rated Assemblies: Provide completed assemblies with the following characteristics:

2.02 METAL FRAMING MATERIALS

- A. Steel Sheet: ASTM A1003/A1003M, subject to the ductility limitations indicated in AISI S220 or equivalent.
- B. Manufacturers - Metal Framing, Connectors, and Accessories:
- ClarkDietrich; ____; www.clarkdietrich.com/#sle.
 - Phillips Manufacturing Co; ____; www.phillipsmfg.com/#sle.
 - SCAFCO Corporation; ____; www.scafcocorp.com/#sle.
- C. Nonstructural Framing System Components: AISI S220; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/120 at 5 psf (L/120 at 240 Pa).
- Studs: C-shaped with knurled or embossed faces.
 - Runners: U shaped, sized to match studs.
 - Resilient Furring Channels: Single or double leg configuration; 1/2 inch (13 mm) channel depth.
 - Products:
 - Same manufacturer as other framing materials.
- D. Partition Head to Structure Connections: Provide mechanical anchorage devices that accommodate deflection and prevent rotation of studs while maintaining structural performance of partition.
- Structural Performance: Maintain lateral load resistance and vertical movement capacity required by applicable code, when evaluated in accordance with AISI S100.
 - Material: ASTM A653/A653M steel sheet, SS Grade 50/340, with G60/Z180 hot-dipped galvanized coating.

2.03 BOARD MATERIALS

- A. Manufacturers - Gypsum-Based Board:
- American Gypsum Company; ____; www.americangypsum.com/#sle.
 - CertainTeed Corporation; ____; www.certainteed.com/#sle.
 - Georgia-Pacific Gypsum; ____; www.gpgypsum.com/#sle.
 - PABCO Gypsum; ____; www.pabco gypsum.com/#sle.
 - USG Corporation; ____; www.usg.com/#sle.
- B. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
- Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
 - Thickness:
 - Vertical Surfaces: 5/8 inch (16 mm).
 - Ceilings: 5/8 inch (16 mm).
- C. Backing Board For Wet Areas: One of the following products:
- Application: Surfaces behind tile in wet areas including tub and shower surrounds, shower ceilings, and all vertical surfaces where tile is scheduled..
 - Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - ANSI Cement-Based Board: Non-gypsum-based; aggregated Portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C1325.
 - Thickness: 5/8 inch (16 mm).

2.04 GYPSUM BOARD ACCESSORIES

- A. Water-Resistive Barrier: See Section 072500.
- B. Beads, Joint Accessories, and Other Trim: ASTM C1047, galvanized steel or rolled zinc, unless noted otherwise.
- Corner Beads: Low profile, for 90 degree outside corners.
 - L-Trim with Tear-Away Strip: Sized to fit 5/8"-inch (____ mm) thick gypsum wallboard.
 - Architectural Reveal Beads:
 - Shapes: As indicated on drawings.
 - Expansion Joints:
 - Type: V-shaped metal with factory-installed protective tape.

DRAWN:

STAFF

CHECKED:

STAFF

PRINT DATE: 06.13.2025

ISSUANCE LOG:

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PERMIT SET

6/13/25

SHEET:

SPECIFICATIONS

G-012

- C. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
1. Paper Tape: 2 inch (50 mm) wide, creased paper tape for joints and corners, except as otherwise indicated.
- D. Screws for Fastening of Gypsum Panel Products to Cold-Formed Steel Studs Less than 0.033 inches (0.84 mm) in Thickness and Wood Members: ASTM C1002; self-piercing tapping screws, corrosion-resistant.
- E. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch (0.84 to 2.84 mm) in Thickness: ASTM C954; steel drill screws, corrosion-resistant.
- F. Adhesive for Attachment to Wood, ASTM C557 and Metal:
1. Products:
- a. Franklin International, Inc; Titebond GREENchoice Drywall Construction Adhesive: www.titebond.com/#sle.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that project conditions are appropriate for work of this section to commence.

3.02 FRAMING INSTALLATION

- A. Metal Framing: Install in accordance with ASTM C1007/AISI S220 and manufacturer's instructions.
- B. Suspended Ceilings and Soffits: Space framing and furring members as indicated.
- C. Studs: Space studs at 16 inches on center (at 406 mm on center).
1. Extend partition framing to structure where indicated and to ceiling in other locations.
2. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
3. Partitions Terminating at Structure: Attach top runner to structure, maintain clearance between top of studs and structure, and connect studs to track using specified mechanical devices in accordance with manufacturer's instructions; verify free movement of top of stud connections; do not leave studs unattached to track.

3.03 ACOUSTIC ACCESSORIES INSTALLATION

- A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.
- B. Acoustic Sealant: Install in accordance with manufacturer's instructions.

3.04 BOARD INSTALLATION

- A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
- B. Fire-Resistance-Rated Construction: Install gypsum board in strict compliance with requirements of assembly listing.
- C. Cementitious Backing Board: Install over steel framing members and plywood substrate where indicated, in accordance with ANSI A108.11 and manufacturer's instructions.

3.05 INSTALLATION OF TRIM AND ACCESSORIES

- A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
- B. Corner Beads: Install at external corners, using longest practical lengths.
- C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.
- D. Decorative Trim: Install at locations shown on drawings and in accordance with manufacturer's instructions.

3.06 JOINT TREATMENT

- A. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
2. Level 2: In utility areas, behind cabinetry, and on backing board to receive tile finish.
3. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.
- B. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
1. Feather coats of joint compound so that camber is maximum 1/32 inch (0.8 mm).
2. Taping, filling, and sanding are not required at surfaces behind adhesive applied ceramic tile and fixed cabinetry.
3. Taping, filling, and sanding are not required at base layer of double-layer applications.

3.07 TEXTURE FINISH

- A. Apply finish texture coating by means of spraying apparatus in accordance with manufacturer's instructions and to match approved sample.

3.08 TOLERANCES

- A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet (3 mm in 3 m) in any direction.

3.09 PROTECTION

- A. Protect installed gypsum board assemblies from subsequent construction operations.

END OF SECTION

SECTION 096813 TILE CARPETING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Carpet tile, fully adhered.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Tile Carpeting: Tufted, manufactured in one color dye lot.
1. Product: Match Existing manufactured by TBD.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install carpet tile in accordance with manufacturer's instructions.
- C. Blend carpet from different cartons to ensure minimal variation in color match.
- D. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.
- E. Lay carpet tile in square pattern, with pile direction parallel to next unit, set parallel to building lines.
- F. Trim carpet tile neatly at walls and around interruptions.
- G. Complete installation of edge strips, concealing exposed edges.

END OF SECTION

SECTION 099000

PAINTING AND COATING - K-12 EDUCATION FACILITY GUIDE SPECIFICATION - SHERWIN-WILLIAMS

PART 1 GENERAL

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Products: Subject to compliance with requirements, provide Sherwin-Williams Company (The) products indicated; www.sherwin-williams.com/#sle.

2.02 PAINTINGS AND COATINGS

- A. General:
1. Provide factory-mixed coatings unless otherwise indicated.
2. Do not reduce, thin, or dilute coatings or add materials to coatings unless specifically indicated in manufacturer's instructions.
- B. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.

2.03 PAINT SYSTEMS - INTERIOR

- A. Metal: Structural steel columns, joists, trusses, beams, miscellaneous and ornamental iron, structural iron, and ferrous metal.
1. Alkyd Systems, Water-Based:
- a. Gloss Finish:
- 1) 1st Coat: Sherwin-Williams Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series: www.sherwin-williams.com/#sle.
- 2) 2nd and 3rd Coat: Sherwin-Williams Pro Industrial Water Based Alkyd Urethane Enamel Gloss, B53-1050 Series: www.sherwin-williams.com/#sle.
- B. Wood: Walls, ceilings, doors, and trim.
1. Latex Systems:
- a. Gloss Finish:
- 1) 1st Coat: Sherwin-Williams Premium Wall and Wood Primer, B28W8111: www.sherwin-williams.com/#sle.
- 2) 2nd and 3rd Coat: Sherwin-Williams ProClassic Waterborne Acrylic Gloss, B21-51 Series: www.sherwin-williams.com/#sle.
2. Stain and Varnish System:
- a. Gloss Finish:
- 1) 1st Coat: Sherwin-Williams Minwax Performance Series Tintable Wood Stain 250 VOC: www.sherwin-williams.com/#sle.
- 2) 2nd and 3rd Coat: Sherwin-Williams Minwax Waterbased Oil-Modified Polyurethane: www.sherwin-williams.com/#sle.
- C. Drywall: Walls, ceilings, gypsum board, and similar items.
1. Latex Systems:
- a. Semi-Gloss Finish:
- 1) 1st Coat: Sherwin-Williams ProMar 200 Zero VOC Interior Latex Primer, B28W2600: www.sherwin-williams.com/#sle.
- 2) 2nd and 3rd Coat: Sherwin-Williams ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series: www.sherwin-williams.com/#sle.

PART 3 EXECUTION

3.01 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.02 APPLICATION

- A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- B. Apply products in accordance with manufacturer's written instructions.
- C. Apply coatings at spread rate required to achieve manufacturer's recommended dry film thickness.

3.03 PRIMING

- A. Apply primer to all surfaces unless specifically not required by coating manufacturer. Apply in accordance with coating manufacturer's instructions.
- B. Primers specified in painting schedules may be omitted on items factory primed or factory finished items if acceptable to top coat manufacturers.

END OF SECTION

DIVISION 10 - SPECIALTIES

SECTION 101419 DIMENSIONAL LETTER SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Dimensional letter signage.

1.02 DELIVERY, STORAGE, AND HANDLING

- A. Package dimensional letter signs as required to prevent damage before installation.
- B. Store under cover and elevated above grade.
- C. Store tape adhesive at a normal room temperature of 68 to 72 degrees F (20 to 22 degrees C).

1.03 FIELD CONDITIONS

- A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.
- B. Maintain minimum ambient temperature during and after installation.

PART 2 PRODUCTS

2.01 DIMENSIONAL LETTERS

- A. Applications: Wayfinding.
1. Use individual metal letters.
2. Mounting Location: Interior as indicated on drawings.
3. Allow for total of 9 letters, 5 inches (____ mm) high.
- B. Metal Letters:
1. Material: Aluminum sheet, flat.
2. Thickness: Manufacturer's standard for letter size.
3. Letter Height: 5 inches (____ mm).
4. Text and Typeface:
- a. Character Font: Helvetica, Arial, or other sans serif font.
- b. Character Case: Upper case only.
5. Finish: Anodized.
6. Color: Dark Bronze.
7. Mounting: Tape adhesive.

2.02 ACCESSORIES

- A. Tape Adhesive: Double-sided tape, permanent adhesive.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install with horizontal edges level.
- C. Protect from damage until mm-dd-yyyy; repair or replace damaged items.

END OF SECTION

DIVISION 32 - EXTERIOR IMPROVEMENTS

SECTION 323119 DECORATIVE METAL FENCES AND GATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Decorative steel fences.

1.02 RELATED REQUIREMENTS

- A. Section 033000 - Cast-in-Place Concrete.

1.03 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- B. ASTM F2408 - Standard Specification for Ornamental Fences Employing Galvanized Steel Tubular Pickets; 2016 (Reapproved 2023).
- C. CLFMI WLG 2445 - Wind Load Guide for the Selection of Line Post and Line Post Spacing; 2023.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit 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.
- C. Design Calculations: For high wind load areas, provide calculations for fence panels and accessory selection as well as line post spacing and foundation details. See CLFMI WLG 2445 for line post and spacing guidance.
- D. Shop Drawings:
1. Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, gates, and schedule of components.
- E. Manufacturer's Warranty.

1.05 WARRANTY

- A. Correct defective Work within a five year period after Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Decorative Metal Fences and Gates:
1. Ameristar Perimeter Security, USA; Montage Commercial, Majestic: www.ameristarperimeter.com/#sle.

2.02 FENCES

- A. Fences: Complete factory-fabricated system of posts and panels, accessories, fittings, and fasteners; finished with electrodeposition coating, and having the following performance characteristics:
- B. Electro-Deposition Coating: Multistage pretreatment/wash with zinc phosphate, followed by epoxy primer and acrylic topcoat.
1. Total Coating Thickness: 2 mils (0.058 mm), minimum.
2. Color: As selected by Architect from manufacturer's standard range.
- C. Steel: ASTM A653/A653M; tensile strength 45,000 psi (310 MPa), minimum.
1. Hot-dip galvanized; ASTM A653/A653M, G60.
2. 62 percent recycled steel, minimum.
- D. Hinges: Finished to match fence components.

2.03 MECHANICALLY FASTENED STEEL FENCE

- A. Provide fence meeting requirements for Industrial class as defined by ASTM F2408.
- B. Fence Panels: Mechanically fastened with internal reinforcement and tamperproof fasteners; 7 feet (2.1 m) high by 8 feet (2.4 m) long.
1. Panel Style: Per drawings.
2. Panel Strength: Capable of supporting 600 pound (272 kg) load applied at midspan without deflection.
3. Attach panels to posts with manufacturer's standard panel brackets.
- C. Posts: Steel tube.
1. Size: 3 inches (76 mm) square by 12 gauge, 0.1094 inch (2.76 mm thick), with manufacturer's standard cap.
2. Post Cap: Flush plate.
- D. Rails: Manufacturer's standard, double-wall steel channel; 1 1/2" inch (____ mm) square by 14 gauge, 0.0747 inch (1.90 mm thick) with pre-punched picket holes.
1. Picket Retaining Rods: 1/8 inch (3.17 mm) galvanized steel.
2. Picket-to-Rail Intersection Seals: PVC grommets.
- E. Pickets: Steel tube.
1. Spacing: 4.175 inch (106 mm) on center.
2. Size: 3/4 inch (____ mm) square by 14 gauge, 0.0747 inch (1.90 mm thick)
3. Style: Flush top rail.
4. Finial: _____.
- F. Flexibility: Capable of following variable slope of up to 1:4.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Set fence posts in accordance with the manufacturer recommended spacing.

3.02 TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch (6.3 mm).
- B. Maximum Offset From Indicated Position: 1 inch (25.4 mm).
- C. Minimum Distance from Property Line: 6 inches (152 mm).

3.03 FIELD QUALITY CONTROL

- A. See Section 014000 - Quality Requirements, for additional requirements.
- B. Layout: Verify that fence installation markings are accurate to design, paying attention to gate locations, underground utilities, and property lines.
- C. Gates: Inspect for level, plumb, and alignment.

END OF SECTION

SECTION 323136 SECURITY GATES AND BARRIERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Security gates and barriers.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Security Gates and Barriers:
1. Ameristar Perimeter Security, USA; Exodus: www.ameristarperimeter.com/#sle.

2.02 SECURITY GATES AND BARRIERS

- A. Security Gates and Barriers: Factory-fabricated, -assembled, and -tested devices, including components for satisfactory operation; capable of resisting specified impact when installed in foundations indicated on drawings.
- B. Material: Hot-dipped galvanized steel with painted finish.
- C. Color: As selected from manufacturer's standard.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions:
1. Verify location of existing utilities, grades and conditions of substrate.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

END OF SECTION



Drawings and Specifications as instruments of service are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing and appropriate compensation to the Architect.

The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.

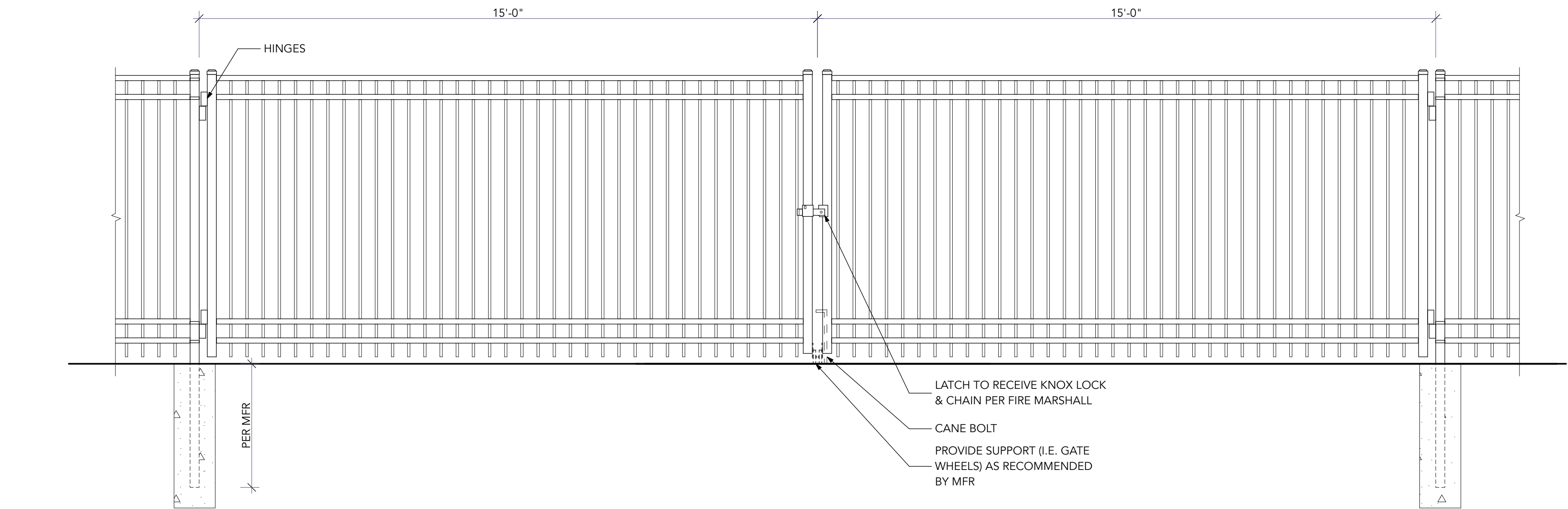
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REDMOND SCHOOL DISTRICT
TOM MCCALL ELEMENTARY SCHOOL
SECURE ENTRY PROJECT
1200 NW UPAS AVE.
REDMOND, OR 97756

DRAWN:	STAFF
CHECKED:	STAFF
PRINT DATE:	06.13.2025
ISSUANCE LOG:	
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PERMIT SET	

SHEET:
SPECIFICATIONS

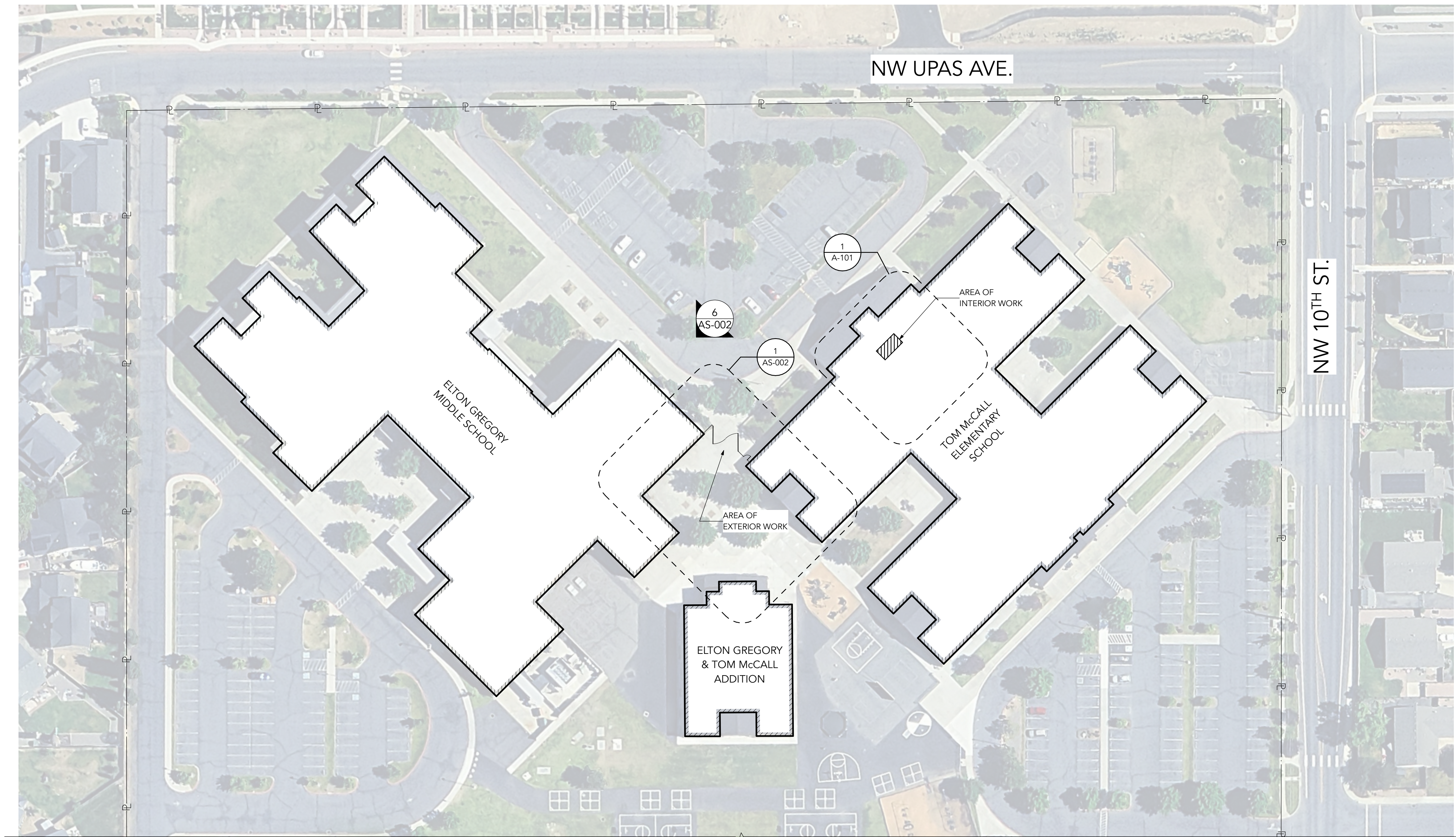
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AS-001

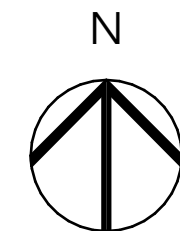
DECORATIVE VEHICULAR GATE
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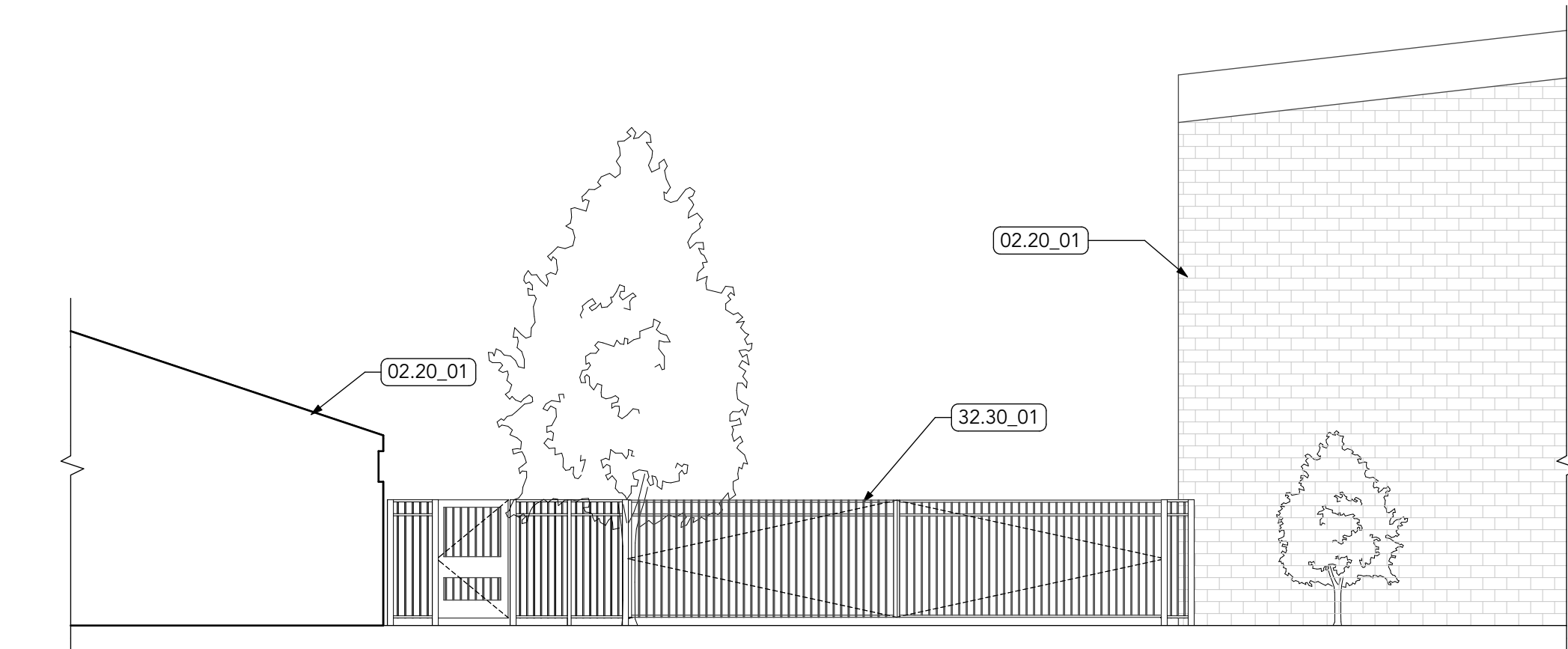
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THE ARCHITECTURAL SITE PLAN PRESENTED IS BASED ON A CIVIL DRAWING PREPARED BY DOWL FOR REDMOND SCHOOL DISTRICT AND DATED FEBRUARY 18, 2022. THE DRAWING IS ON FILE WITH DESCHUTES COUNTY (DIAL), ACCOUNT #197219, 711-22-000019-PLNG (4/14/2022). A SITE PHOTO HAS BEEN OVERLAYED FOR CLARITY AND TO REPRESENT OTHER BUILT ELEMENTS. THE BUILDING LOCATIONS MATCH CIVIL DRAWINGS AND THE PROPERTY LINE IS APPROXIMATE. ALL SITE DIMENSIONS SHOWN SHALL BE FIELD VERIFIED.



1
AS-001

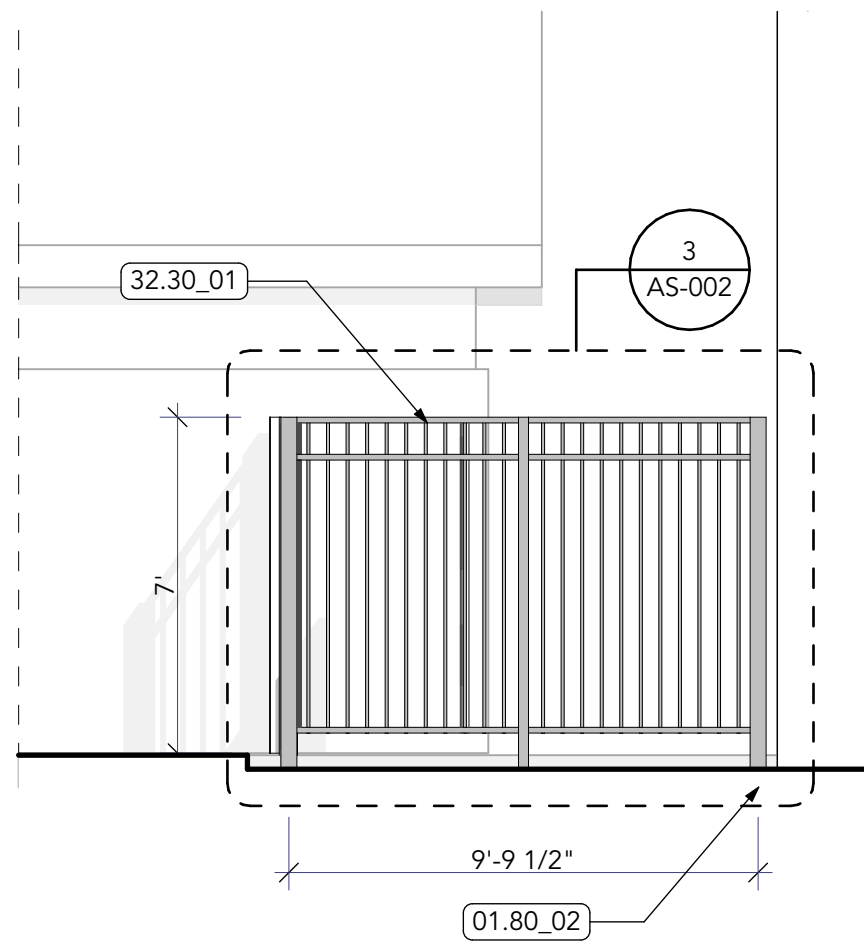
PARTIAL ARCHITECTURAL SITE PLAN
SCALE: 1" = 50'





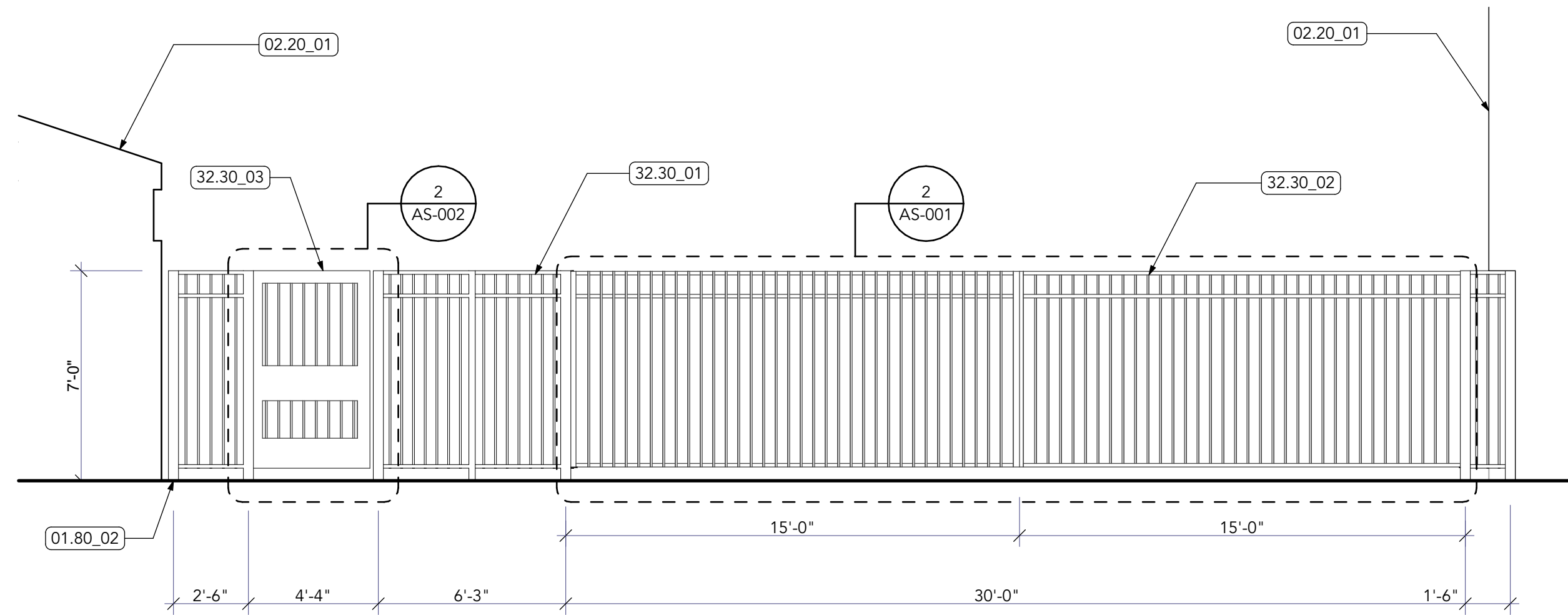
6 WEST ELEVATION
AS-002

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



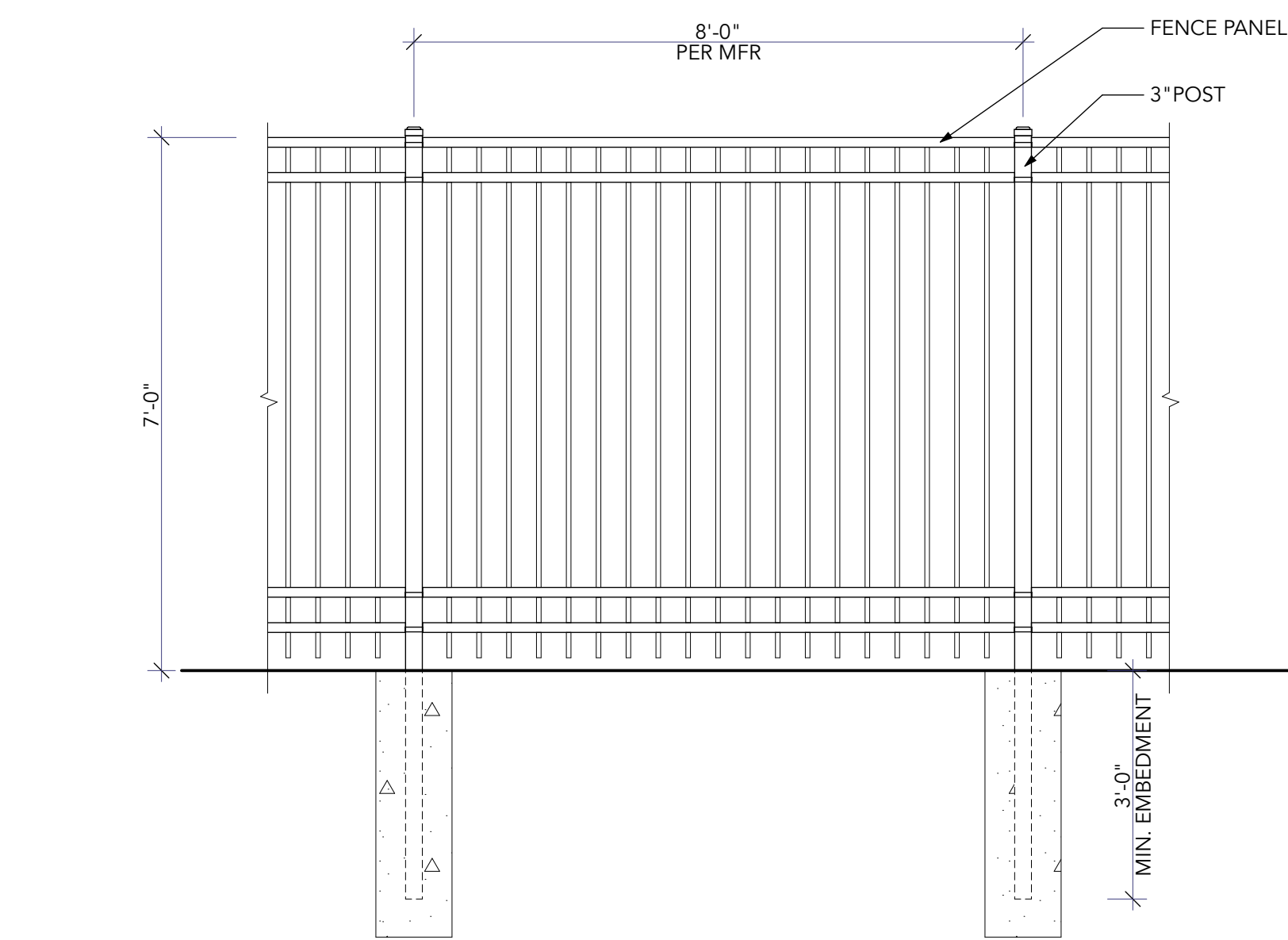
5 FENCE ELEVATION
AS-002

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



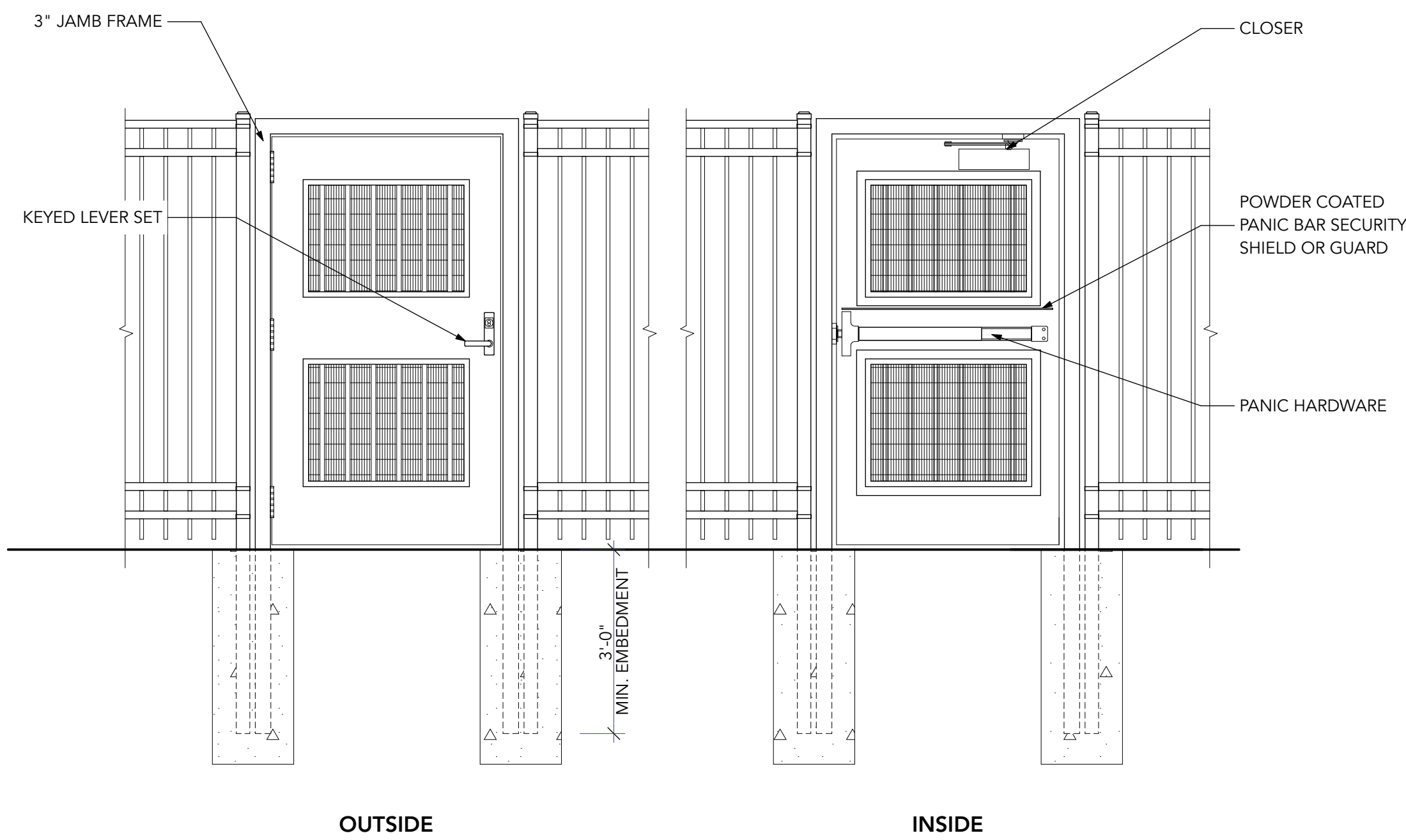
4 FENCE ELEVATION
AS-002

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



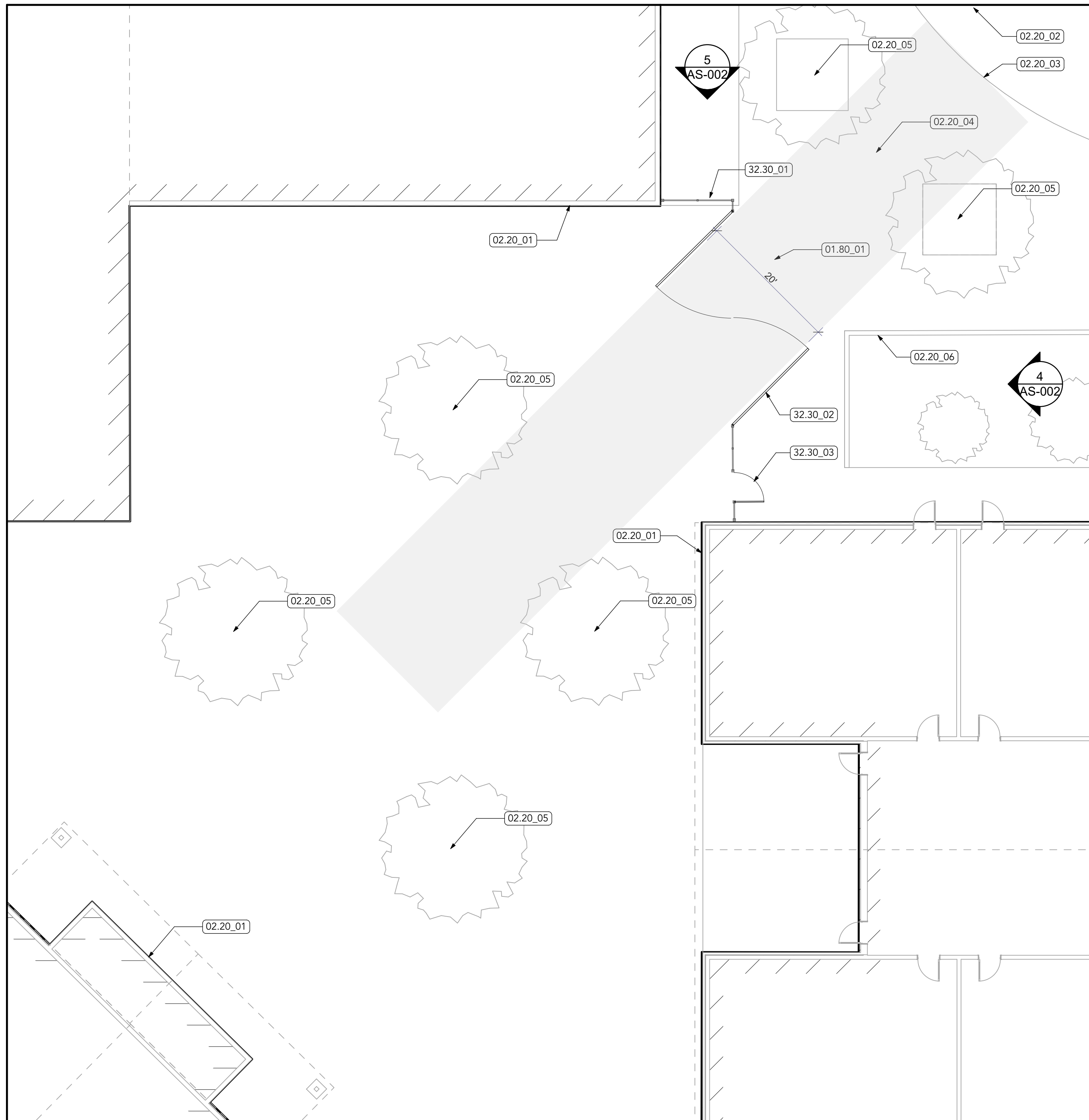
3 DECORATIVE FENCE, TYP.
AS-002

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



2 DECORATIVE SECURITY GATE
AS-002

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



1 ENLARGED ARCHITECTURAL SITE PLAN
AS-002

SCALE: 1" = 10'

- 01 GENERAL REQUIREMENTS**
- 01.80_01 MAINTAIN 20'-0" CLEAR FOR FIRE ACCESS
- 01.80_02 COORDINATE NEW FOOTING FOR FENCE W/ (E) BUILDING FOOTING
- 02 EXISTING CONDITIONS**
- 02.20_01 (E) BUILDING
- 02.20_02 (E) ASPHALT DRIVE
- 02.20_03 (E) ROLLED CURB
- 02.20_04 (E) CONCRETE FLATWORK & PAVING. DEMOLISH (E) PAVING ONLY @ (N) FENCE POST LOCATIONS
- 02.20_05 (E) TREE WELL & TREE
- 02.20_06 (E) LOW WALL @ LANDSCAPE PLANTER
- 32 EXTERIOR IMPROVEMENTS**
- 32.30_01 7'-0" HIGH DECORATIVE FENCE & GATE. LIMIT REMOVAL OF (E) CONC. PAVING FOR (N) POST INSTALLATION. EXCAVATE (E) SOILS AS REQUIRED.
- 32.30_02 30'-0" WIDE GATE OPENING W/ (2) 7'-0" HIGH X 15'-0" LEAFS. LIMIT REMOVAL OF (E) CONC. PAVING FOR (N) POST INSTALLATION. EXCAVATE (E) SOILS AS REQUIRED.
- 32.30_03 48" WIDE EGRESS SECURITY GATE

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REDMOND SCHOOL DISTRICT
TOM MCCALL ELEMENTARY SCHOOL
SECURE ENTRY PROJECT
1200 NW UPAS AVE.
REDMOND, OR 97756

DRAWN: STAFF

CHECKED: STAFF

PRINT DATE: 06.13.2025

ISSUANCE LOG:

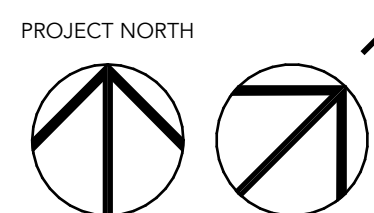
00 PERMIT SET 6/13/25

SHEET:
ENLARGED
ARCHITECTURAL SITE
PLAN

AS-002

RHIZO
ARCHITECTURE
61169 TETON LANE
BEND, OREGON 97702
541.604.2353

REGISTERED ARCHITECT
MATTHEW M. GUTHRIE
BEND, OREGON
AS-6579
STATE OF OREGON



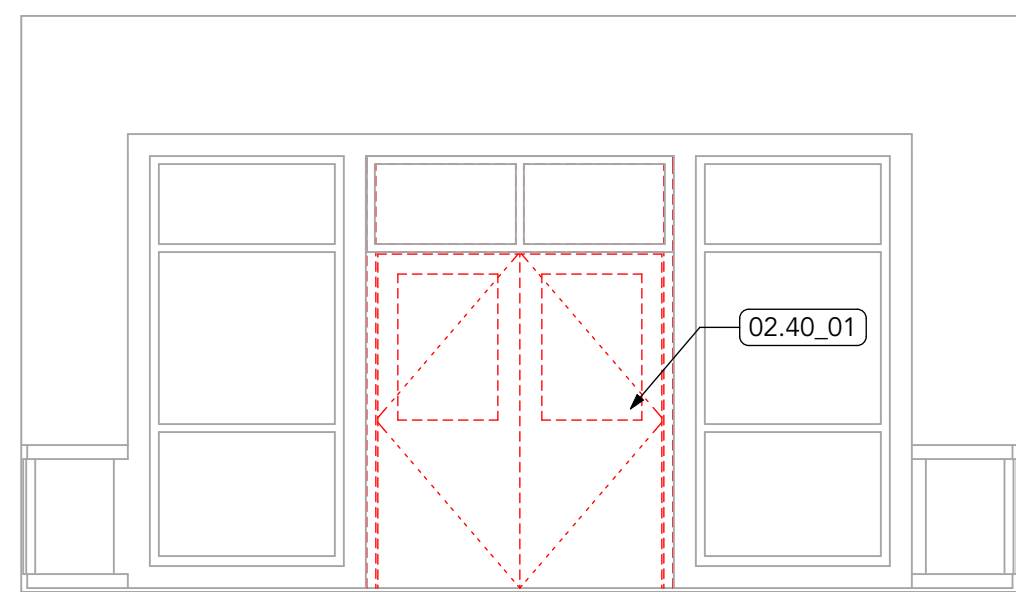
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DEMOLITION NOTES

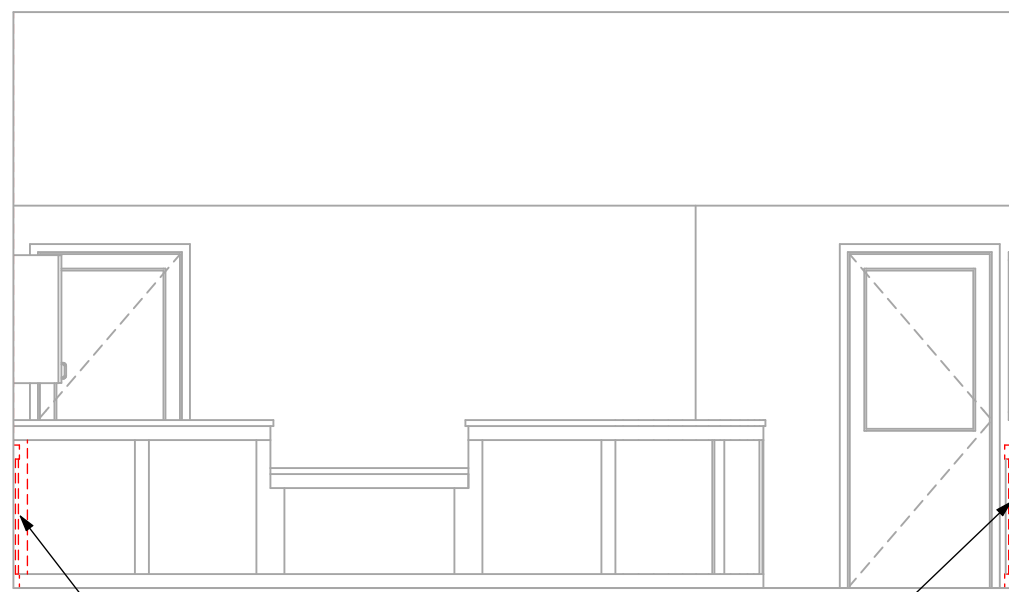
- SEE "G" SHEETS FOR ARCHITECTURAL ABBREVIATIONS, SYMBOLS AND NOTES
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO ASSIST IN THE GENERAL SCOPE OF DEMOLITION
- THE CONTRACTOR SHALL VERIFY & PROVIDE ALL DEMOLITION NECESSARY FOR THE FINISH WORK
- WALL SHOWN AS DEMOLISHED INDICATE TO REMOVE WALL IN ITS ENTIRETY, INCLUDING ELECTRICAL AND PLUMBING, UNO
- SEE OTHER DISCIPLINES (WHEN AVAILABLE) FOR FULL DEMO EXTENTS
- BEFORE DEMOLITION OR RENOVATION WORK STARTS, THE DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) REQUIRES THAT HTE OWNER OR OPERATOR OF THE BUILDING HAVE AN ACCREDITED INSPECTOR SURVEY THE BUILDING FOR THE PRESENCE OF ASBESTOS CONTAINING MATERIALS IN THE EFFECTED PART(S) OF THE BUILDING. THE SURVEY MUST INCLUDE THE SAMPLING OF MATERIALS SUSPECTED TO CONTAIN ASBESTOS. CONTACT DEQ AT 541.388.6146 FOR MORE INFORMATION

02 EXISTING CONDITIONS

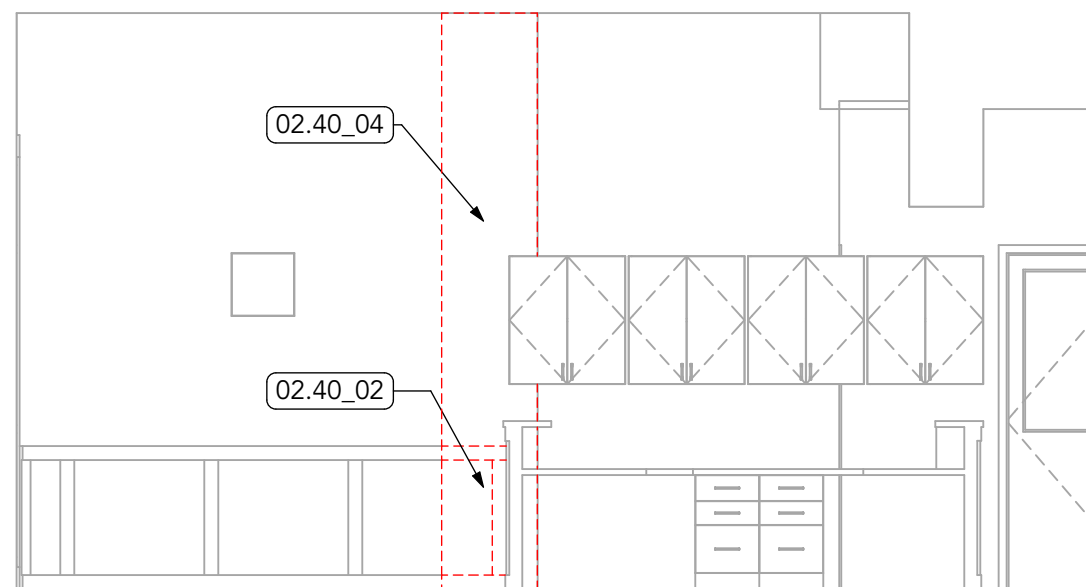
- | | |
|----------|---|
| 02.40_01 | REMOVE (E) DOOR LEAFS & SALVAGE TO OWNER |
| 02.40_02 | REMOVE (E) WOOD WAINSCOT @ LOCATION OF NEW WALL. COORDINATE EXTENT W/ (N) BUILT-UP COLUMN IN WALL |
| 02.40_03 | REMOVE PORTION OF (E) FLOOR FINISH AND PREPARE FOR NEW WALL |
| 02.40_04 | REMOVE PORTION OF (E) GYPSUM BOARD FOR NEW BEAM POCKET |
| 02.40_05 | REMOVE PORTION OF (E) GYPSUM BOARD SOFFIT (ABOVE) FOR NEW WALL ATTACHMENT |



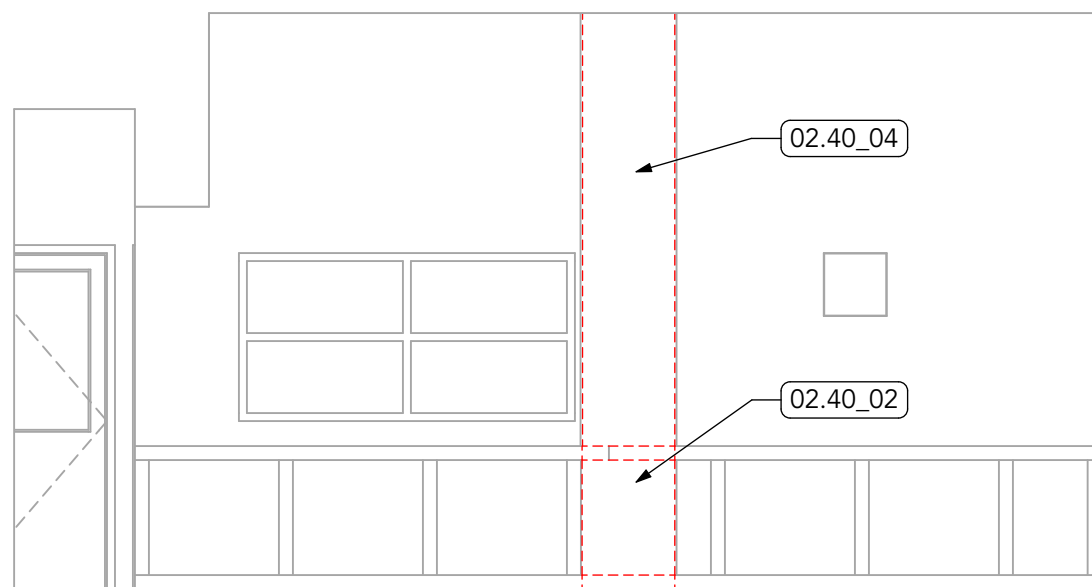
5
AD-101
RECEPTION North
SCALE: 1/4" = 1'-0"



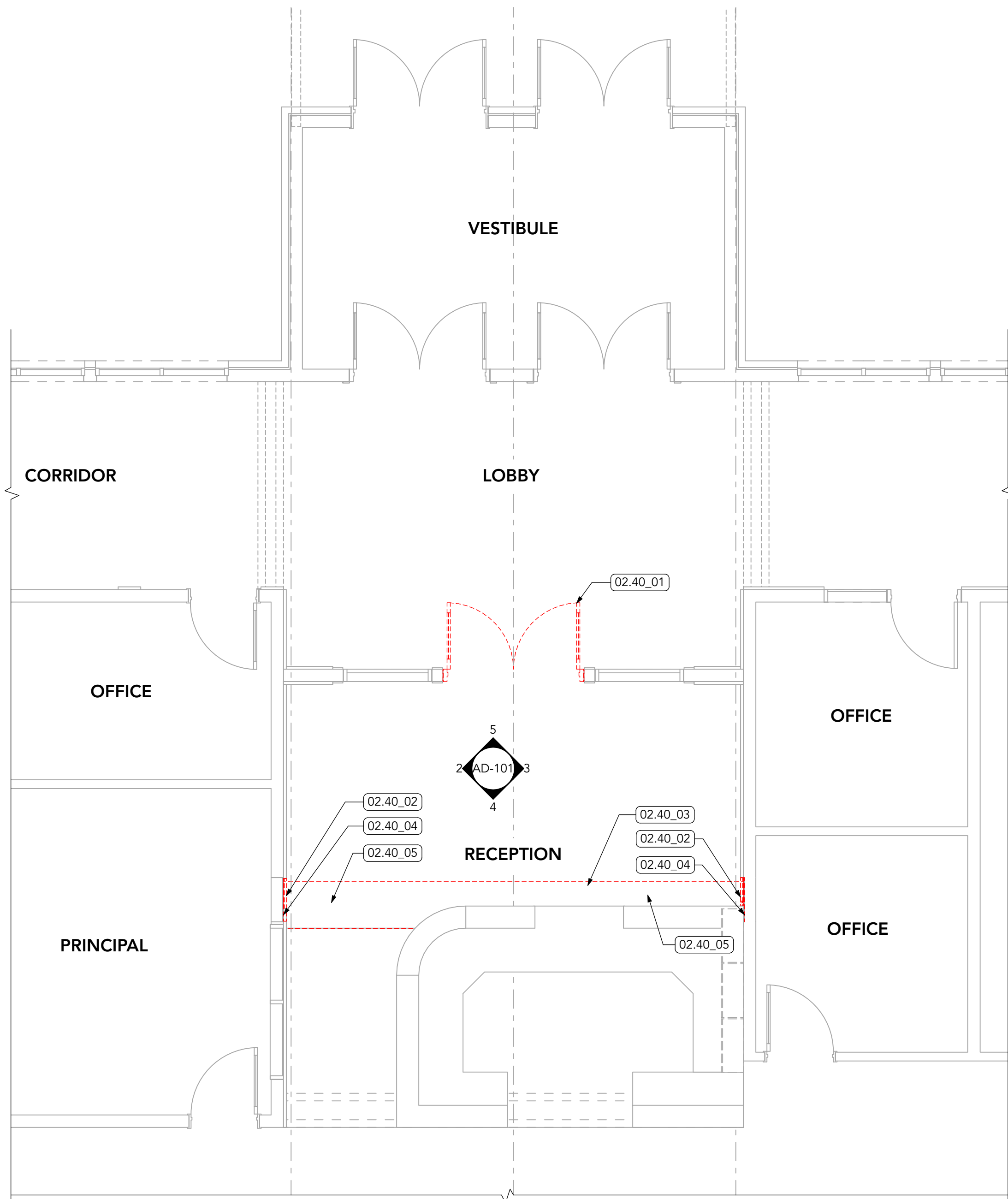
4
AD-101
RECEPTION South
SCALE: 1/4" = 1'-0"



3
AD-101
RECEPTION East
SCALE: 1/4" = 1'-0"



2
AD-101
RECEPTION West
SCALE: 1/4" = 1'-0"



1
AD-101
FIRST FLOOR EXISTING & DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

PROJECT NORTH



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01.80_05	ALIGN (N) FULL-HEIGHT WALL W/ EDGE OF (E) SOFFIT ABOVE
01.80_06	JAMB OF OPENING ALIGNS W/ SOFFIT ABOVE
01.80_07	NEW LOW WALL WITH WOOD PANELING, BASE, RAIL & COUNTERTOP. LOCATE WALL BEHIND (E) VERTICAL TRIM @ (E) RECEPTION DESK.

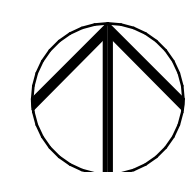
02.20_07	(E) EXTERIOR DOORS WITH ACCESS CONTROL
02.20_08	(E) INTERIOR DOORS
02.20_10	(E) ACCESS CONTROL DOORS

06.40_02 SERVICE COUNTER FOR PARALLEL APPROACH

08.10_04 AT HM DOOR FRAME TO REMAIN, PROVIDE
BLANK FILLER PLATES @ REMOVED HINGES
AND CLOSER

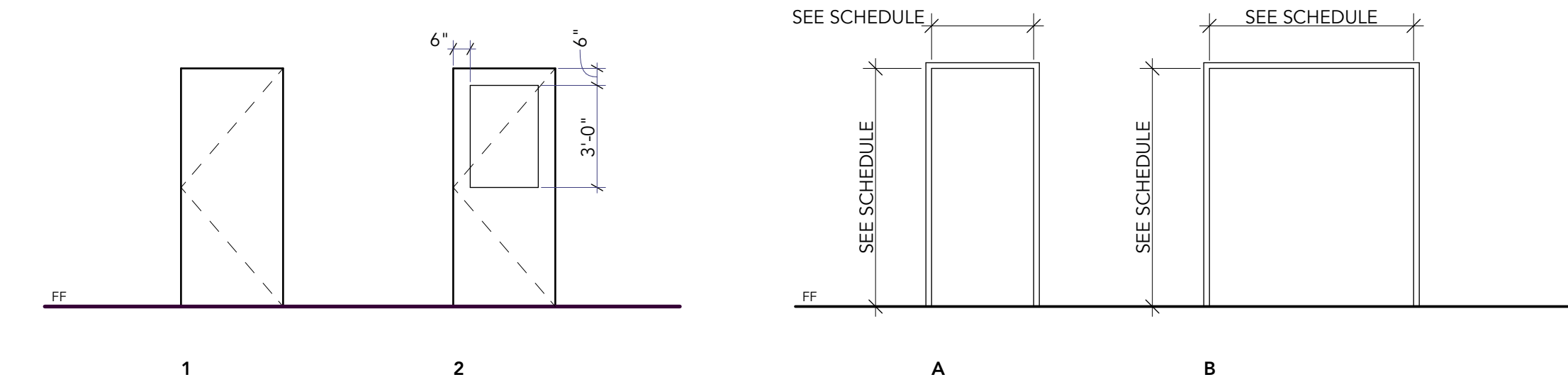
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STAFF	
PRINT DATE: 06.13.2025	
ISSUANCE LOG:	
00	6/13/25
PERMIT SET	

A-101



ROOM FINISH SCHEDULE									
ROOM #	ROOM NAME	FLOOR	BASE	CEILING	WALLS				COMMENTS
					N	E	S	W	
102	LOBBY	CPT	WD	P-1	--	--	--	--	--
103	RECEPTION	CPT	WD	P-1	--	--	--	--	--

DOOR SCHEDULE											
MARK		WIDTH	HEIGHT	TYPE		MATERIAL		FIRE RATING	GLAZING TYPE	HARDWARE SET	NOTES/REMARKS
ROOM	OPENING			PANEL	FRAME	PANEL	FRAME				
102	A	3'	7'	2	A	WD	HM		G-3	01	---

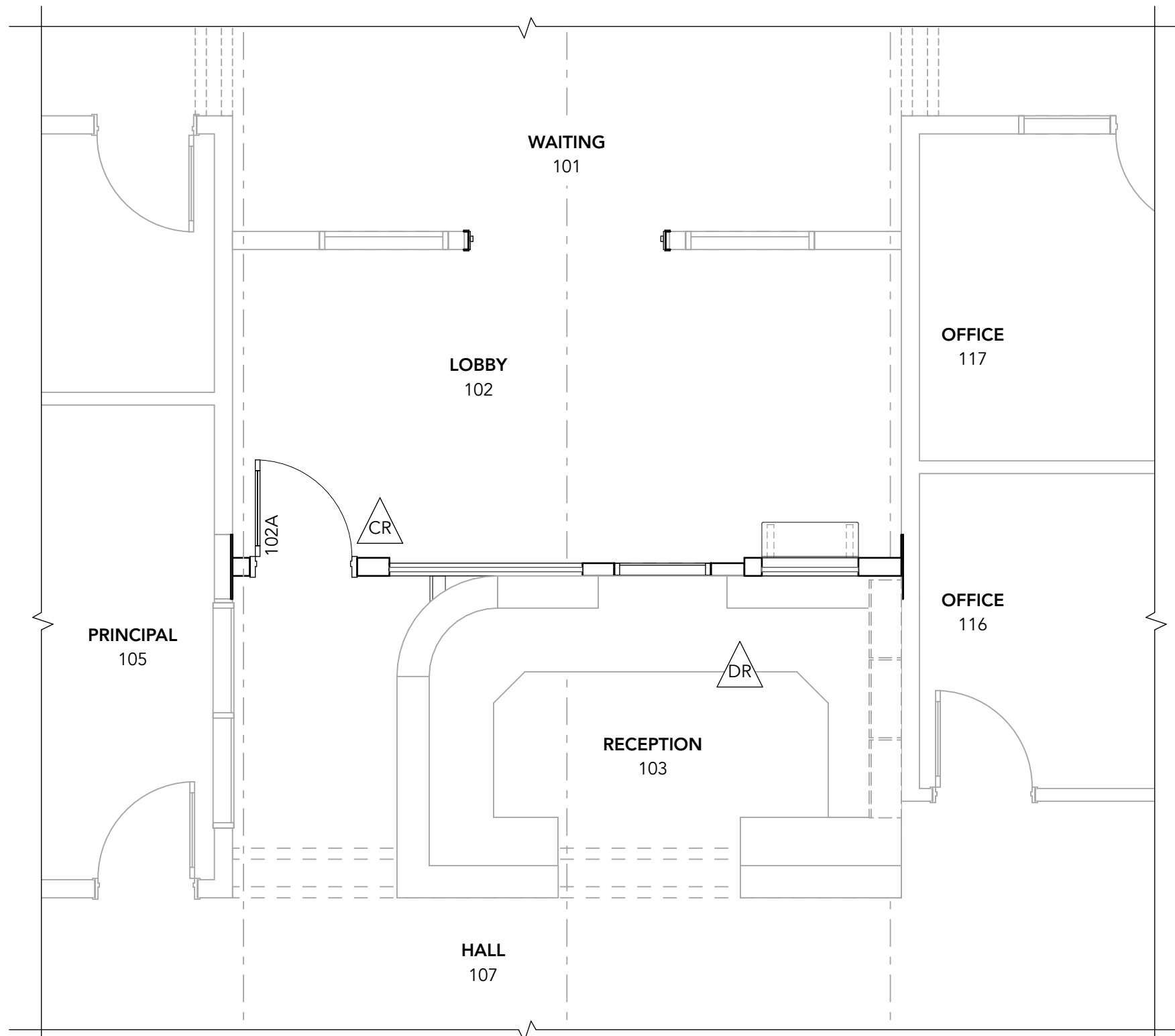


PANEL TYPES

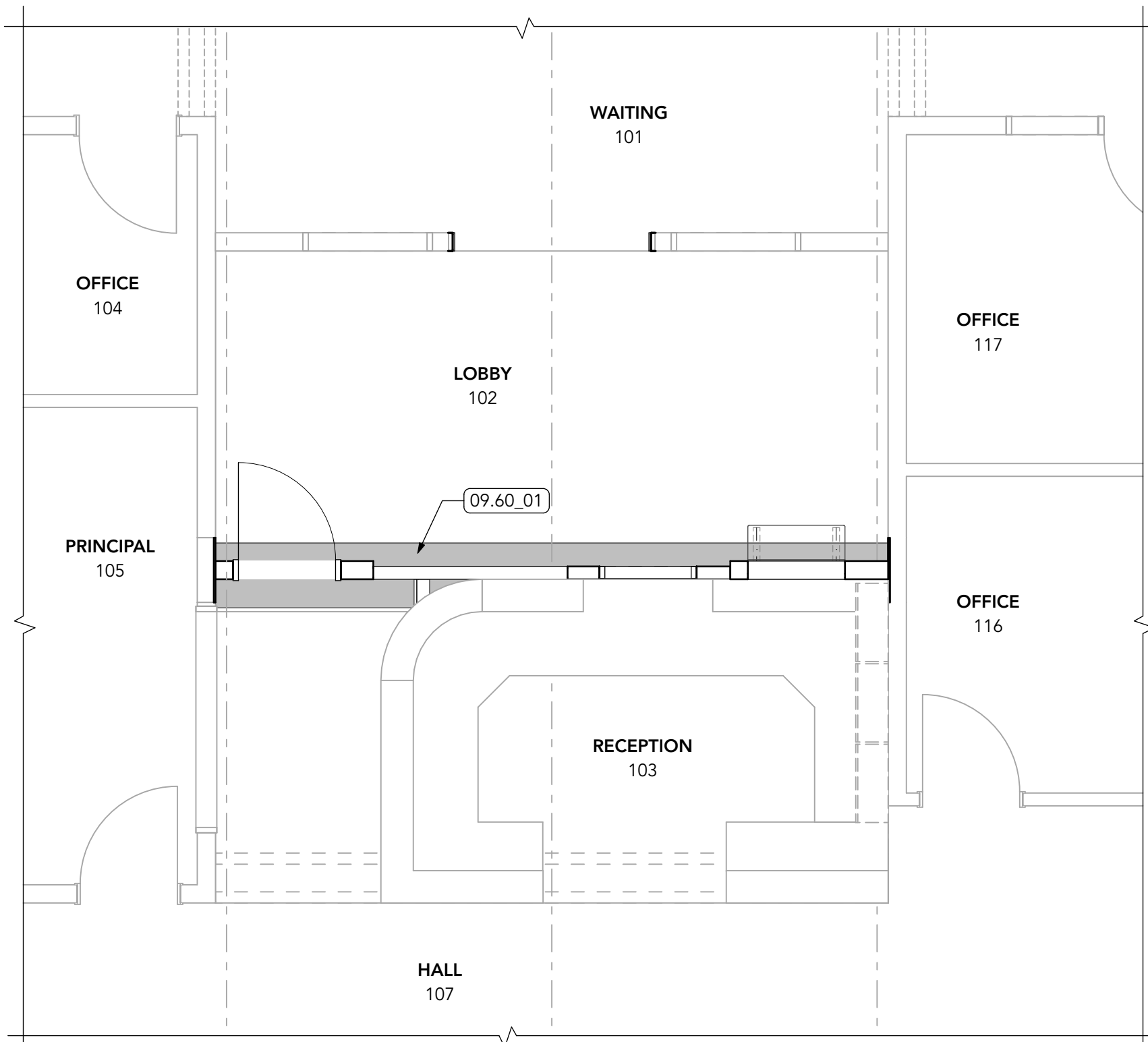
FRAME TYPES

WINDOW LEGEND			
TYPE	W1	W2	W3
VIEW			
DIMENSIONS	3'-0"×3'-0"	6'-0"×3'-9 1/2"	3'-0"×3'-9 1/2"
NOTES	SPEAK AROUND TRANSACTION WINDOW W/ DEAL TRAY	FRAMLESS OPENING	FRAMELESS OPENING
Glazing Type	G-6	G-6	G-6

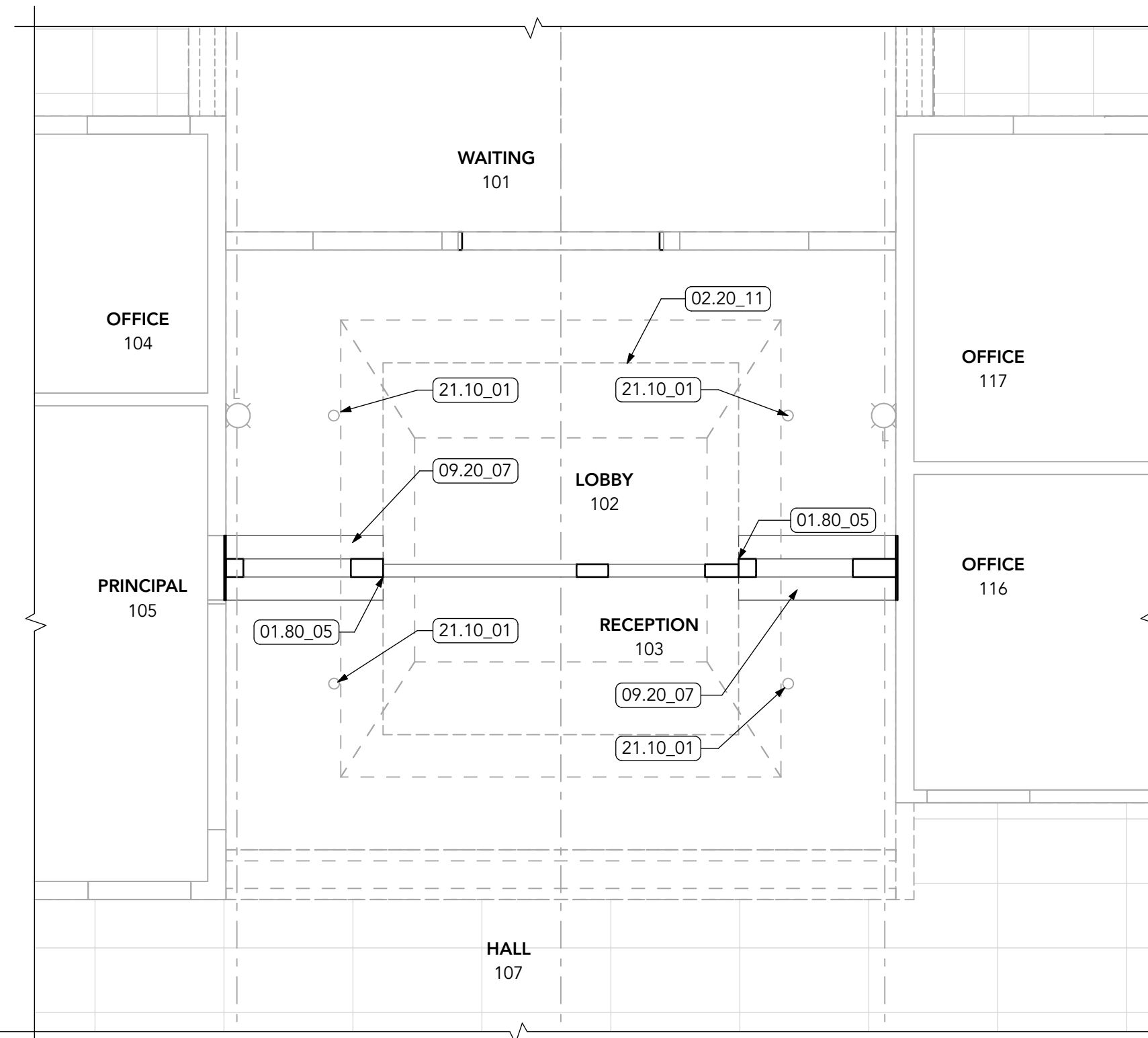
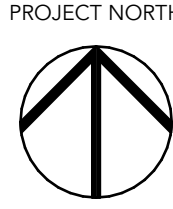
WINDOW LEGEND



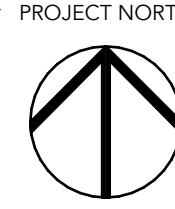
3 SCHEMATIC COMMUNICATIONS PLAN
SCALE: 1/4" = 1'-0"



2 FIRST FLOOR FINISH PLAN
SCALE: 1/4" = 1'-0"



1 FIRST FLOOR RCP
SCALE: 1/4" = 1'-0"



01 GENERAL REQUIREMENTS

01.80_05 ALIGN (N) FULL-HEIGHT WALL W/ EDGE OF (E) SOFFIT ABOVE

02 EXISTING CONDITIONS

02.20_11 (E) GYPSUM BD SOFFIT

09.20 Plaster and Gypsum Board

09.20_07 (N) GYPSUM BOARD CEILING @ LOCATION OF (N) FULL-HEIGHT WALL ATTACHMENT

09.60 Flooring

09.60_01 (N) CARPET @ LOCATION OF NEW WALL

21 FIRE SUPPRESSION

21.10_01 APPROX. LOCATION OF (E) SPRINKLER HEAD. HEAD COVERAGE WITH (N) WALL TO BE EVALUATED BY FIRE MARSHALL. PROJECT TEAM DOES NOT ANTICIPATE RELOCATION OR ADDITION



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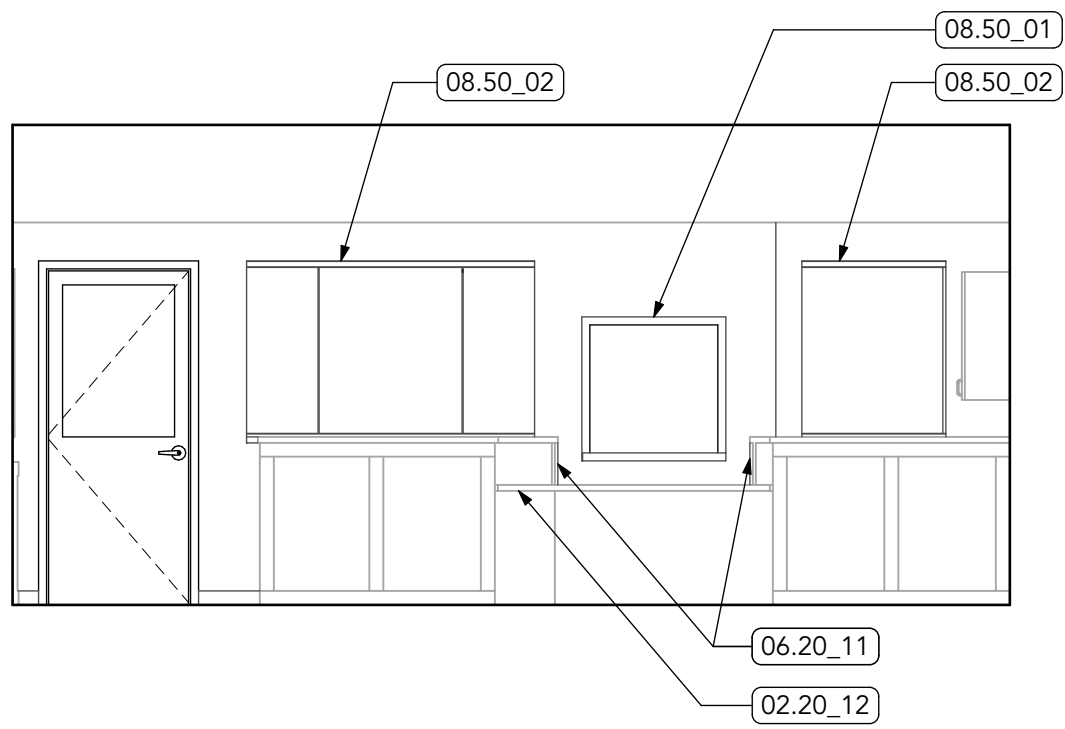
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REDMOND SCHOOL DISTRICT
TOM MCCALL ELEMENTARY SCHOOL
SECURE ENTRY PROJECT
1200 NW UPAS AVE.
REDMOND, OR 97756

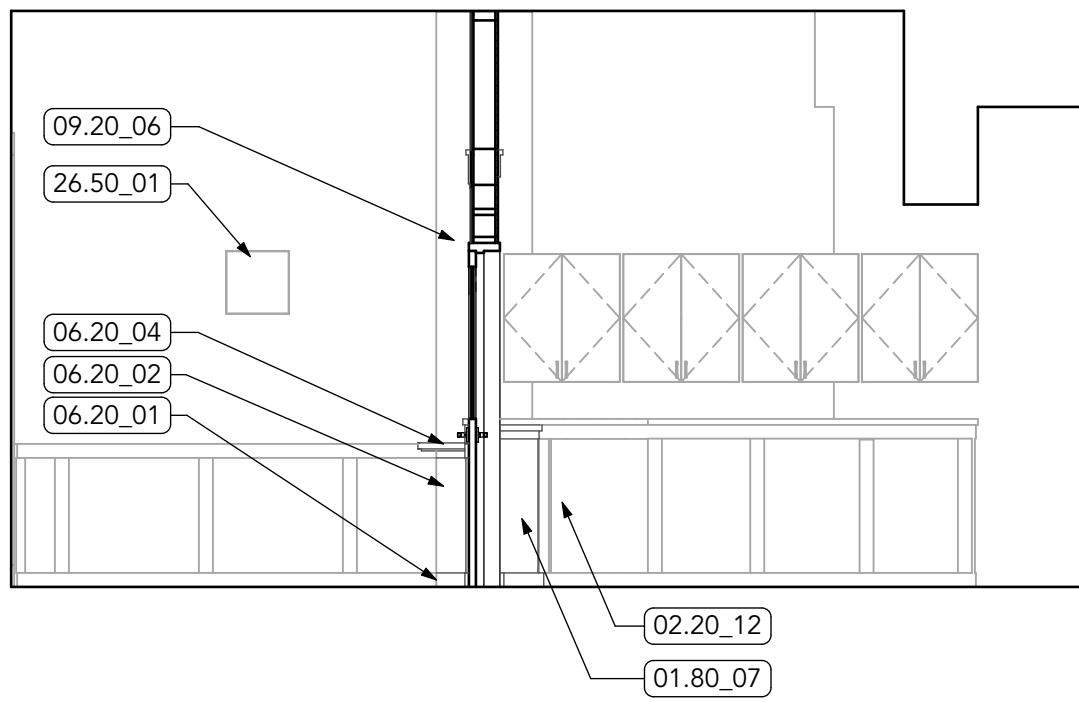
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CHECKED: STAFF
PRINT DATE: 06.13.2025
ISSUANCE LOG:
00 PERMIT SET 6/13/25

SHEET:
SCHEDULES, TYPES,
RCP & PLANS

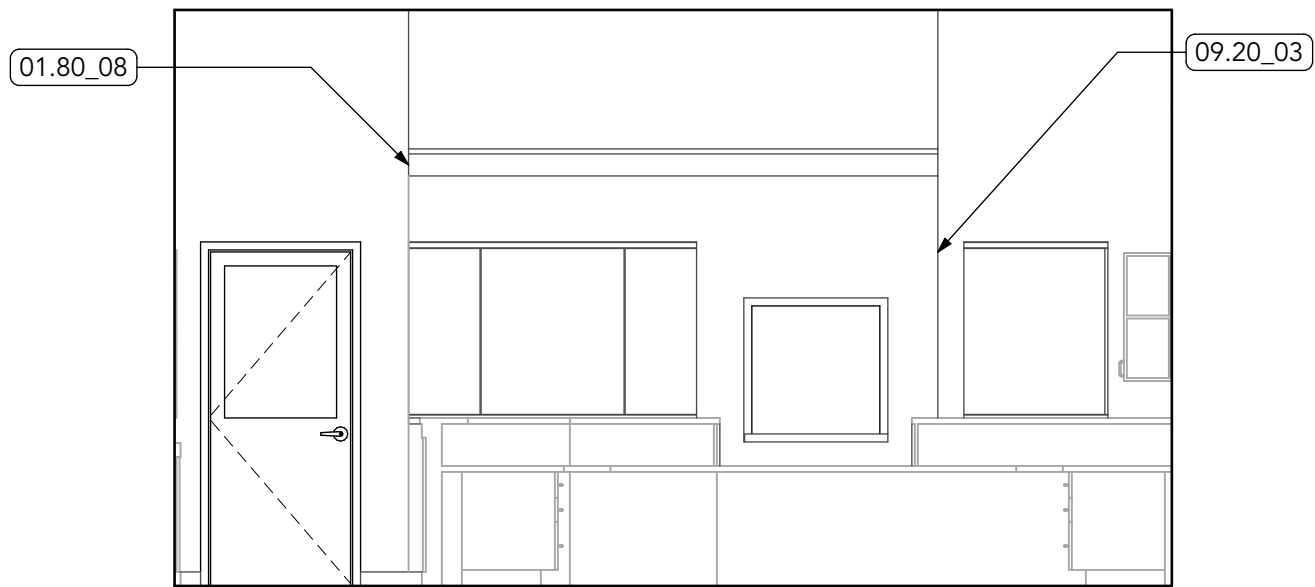
A-111



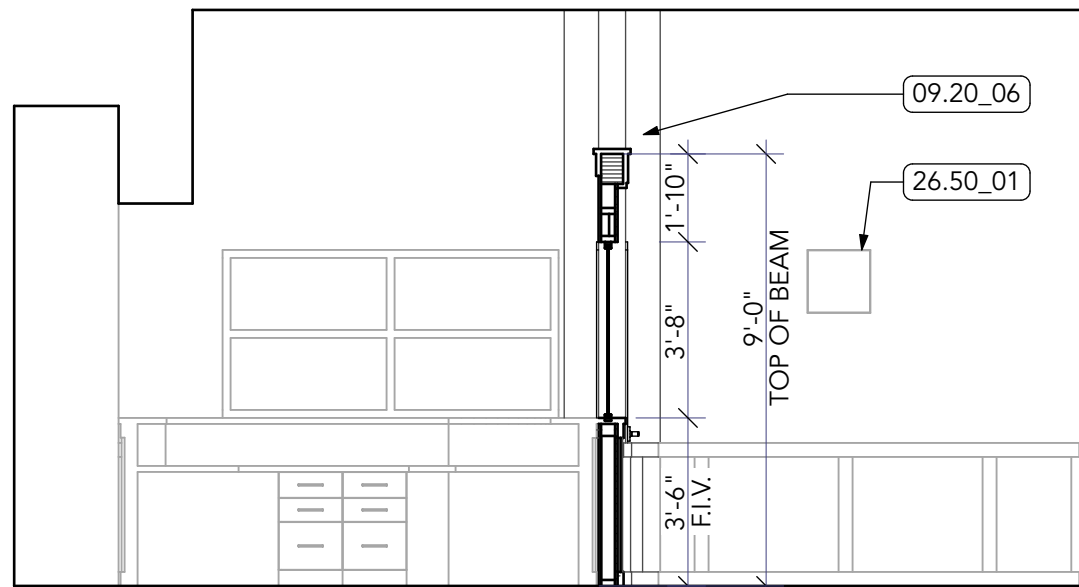
1 HALL North
SCALE: 1/4" = 1'-0"



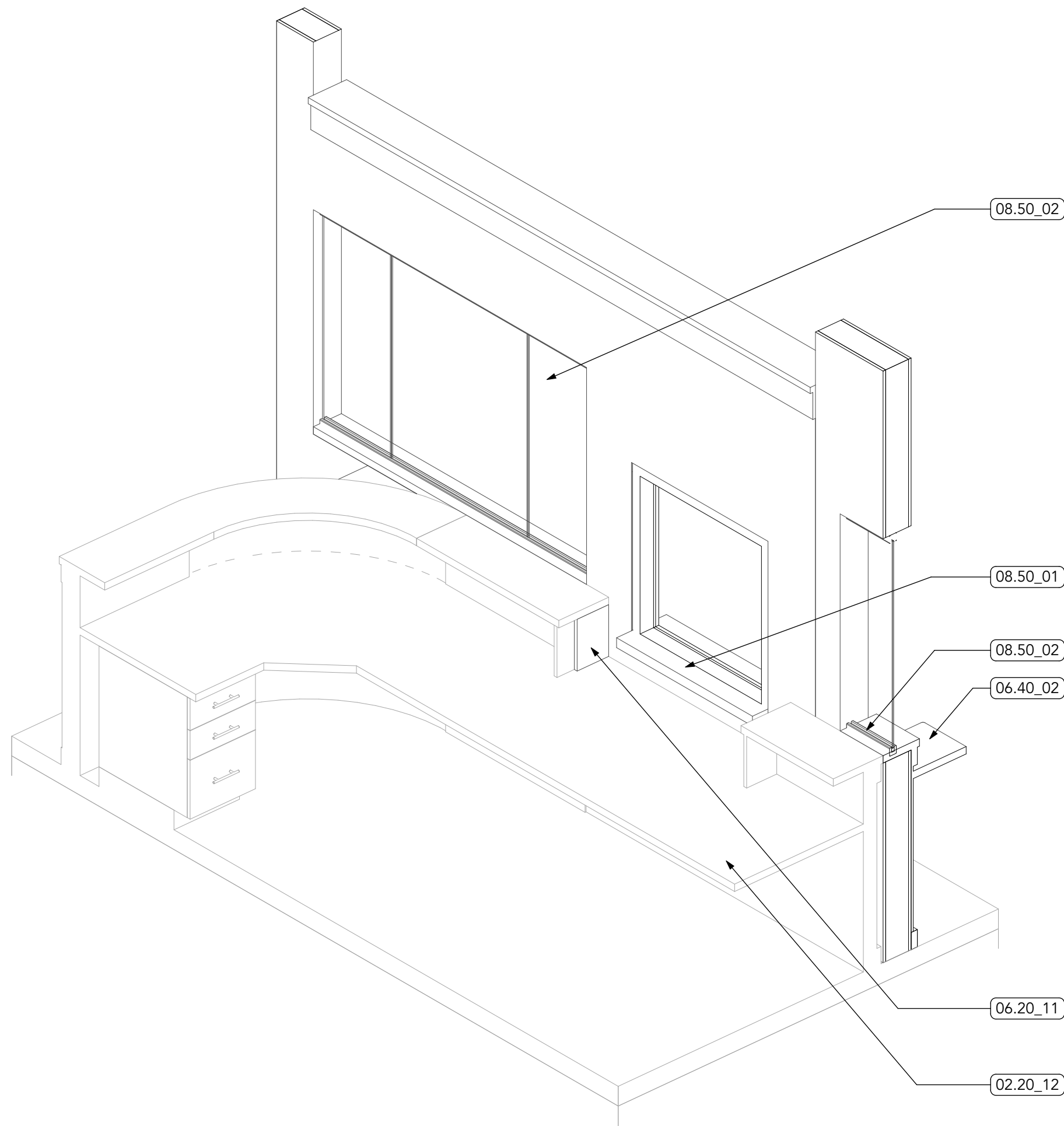
2 RECEPTION East
SCALE: 1/4" = 1'-0"



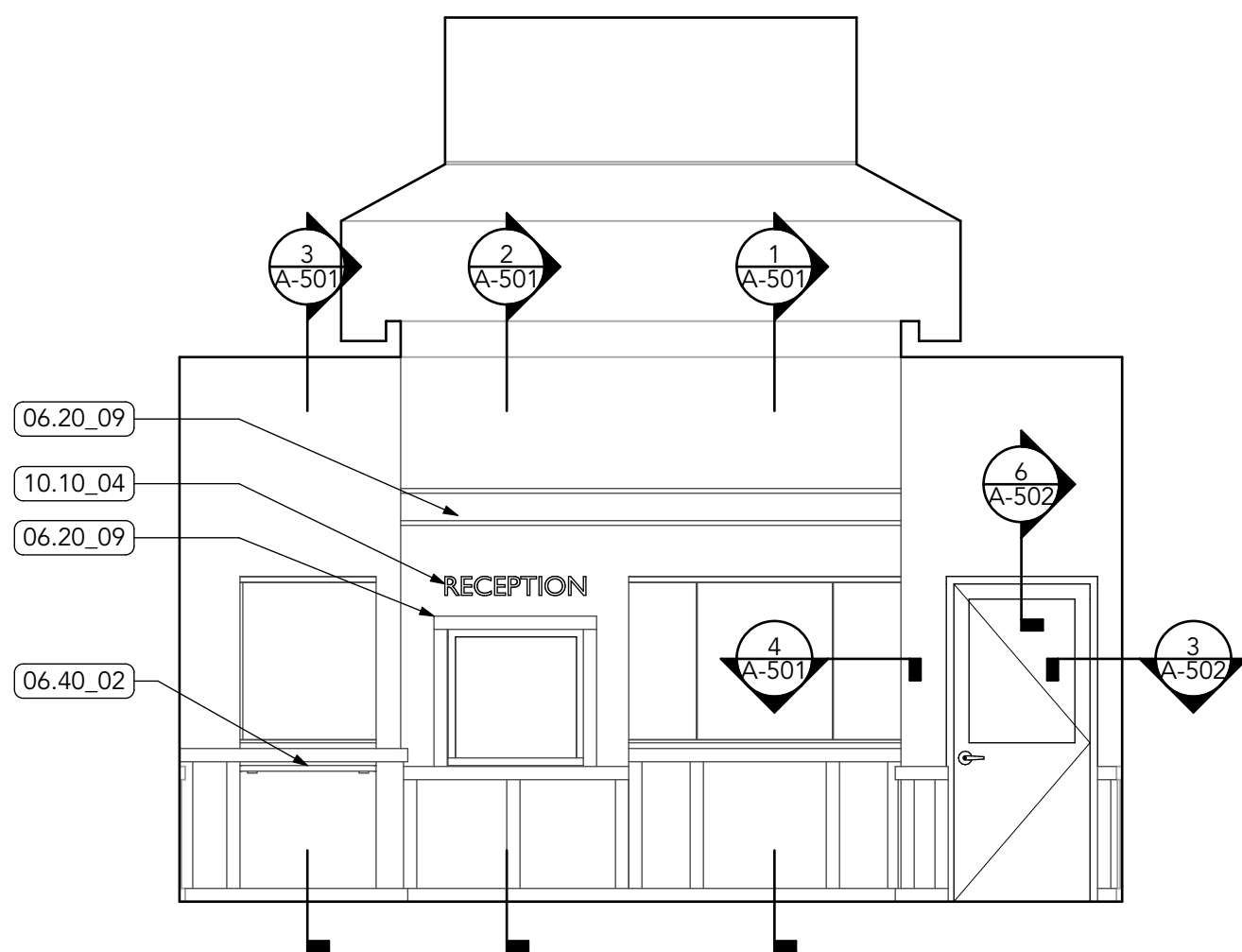
3 RECEPTION North
SCALE: 1/4" = 1'-0"



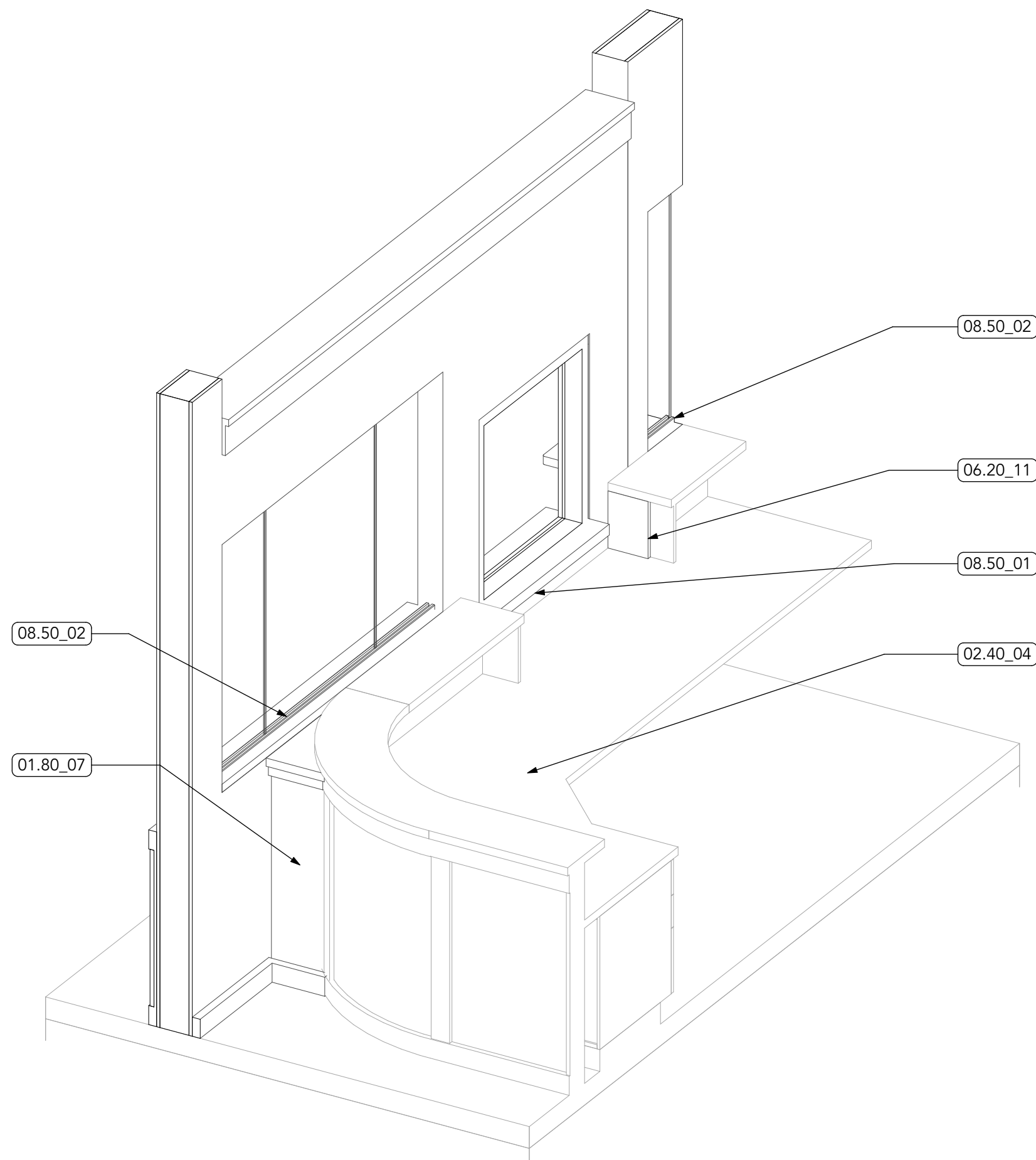
4 RECEPTION West
SCALE: 1/4" = 1'-0"



5 AXONOMETRIC @ RECEPTION DESK
SCALE: 1/2" = 1'-0"

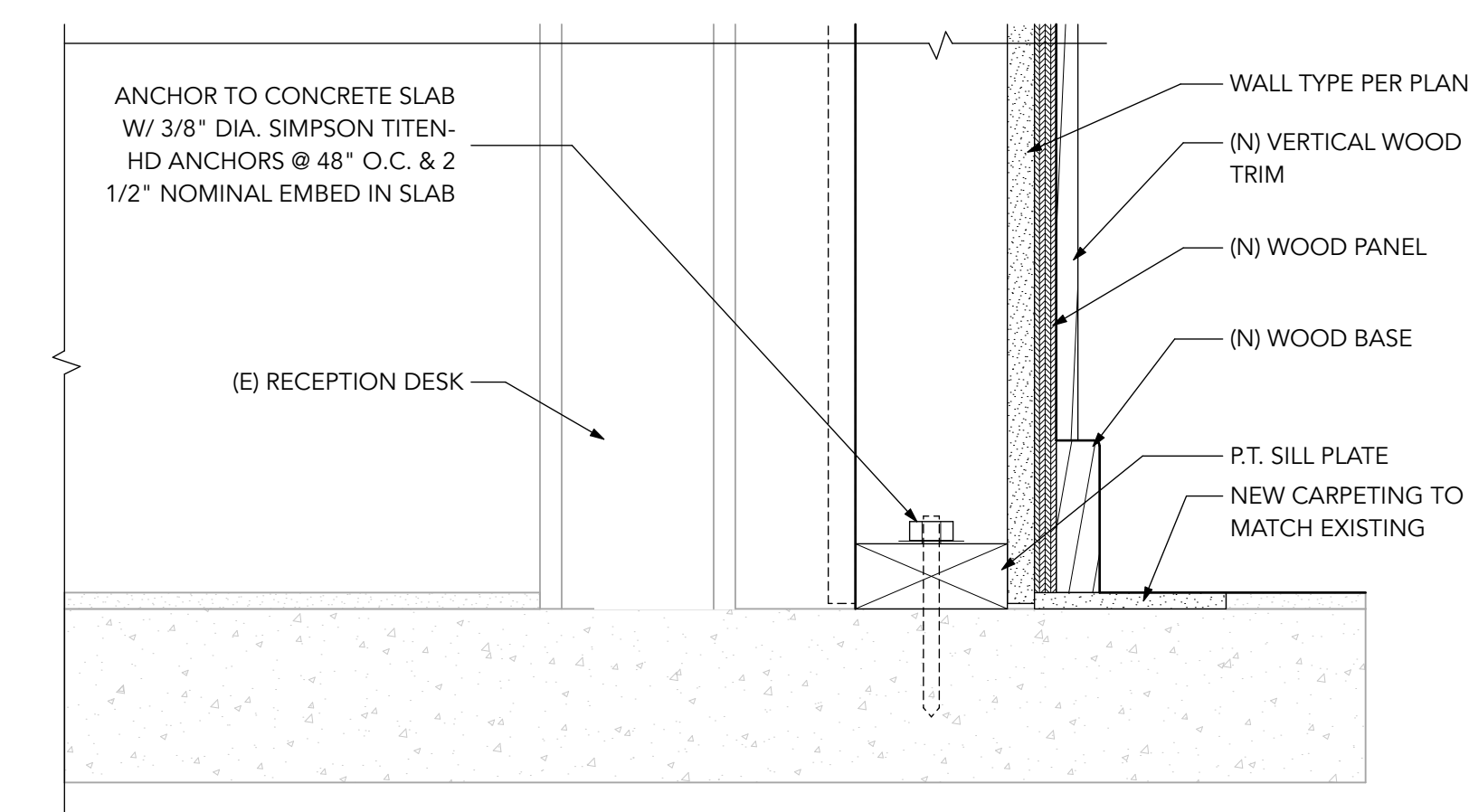
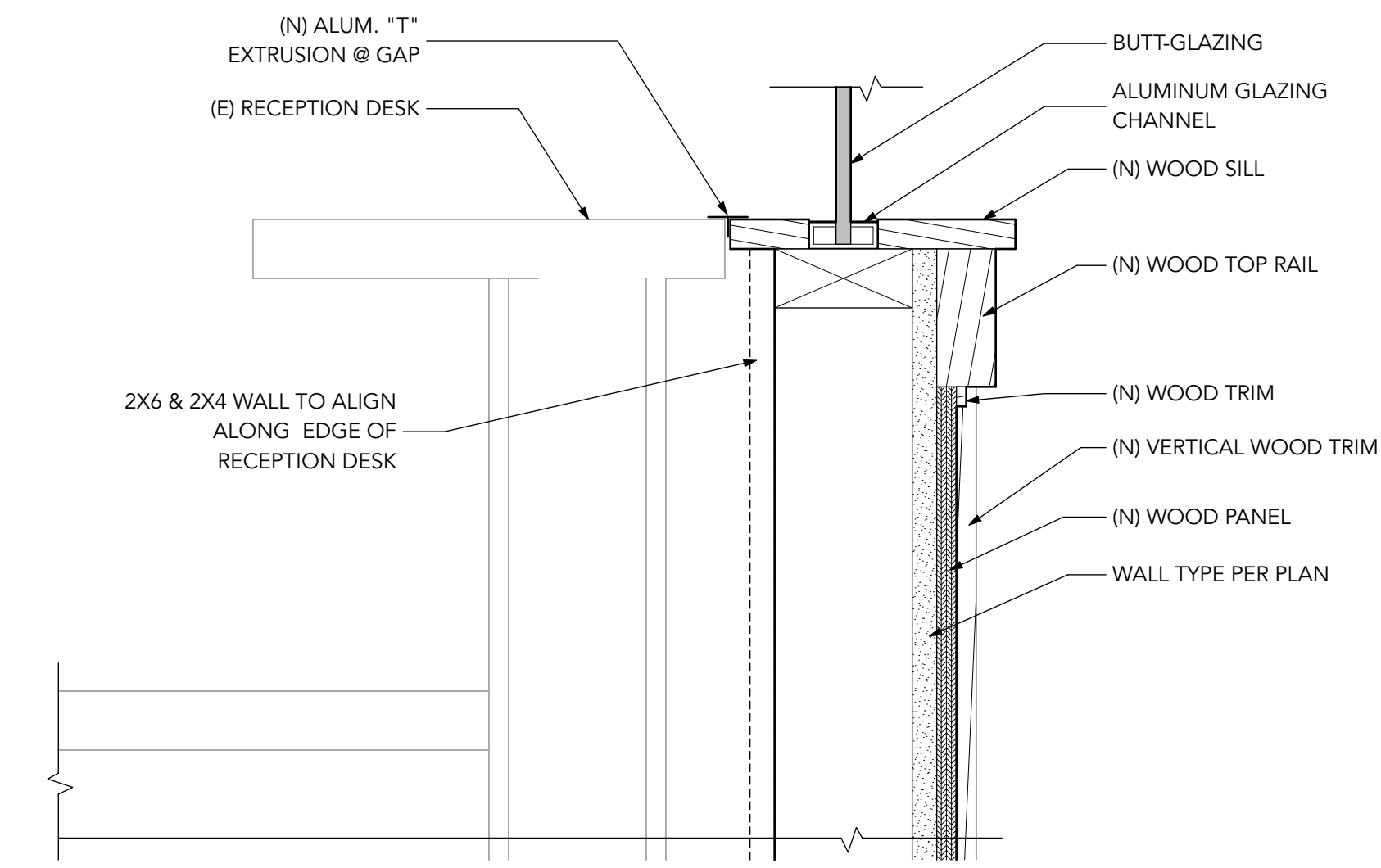
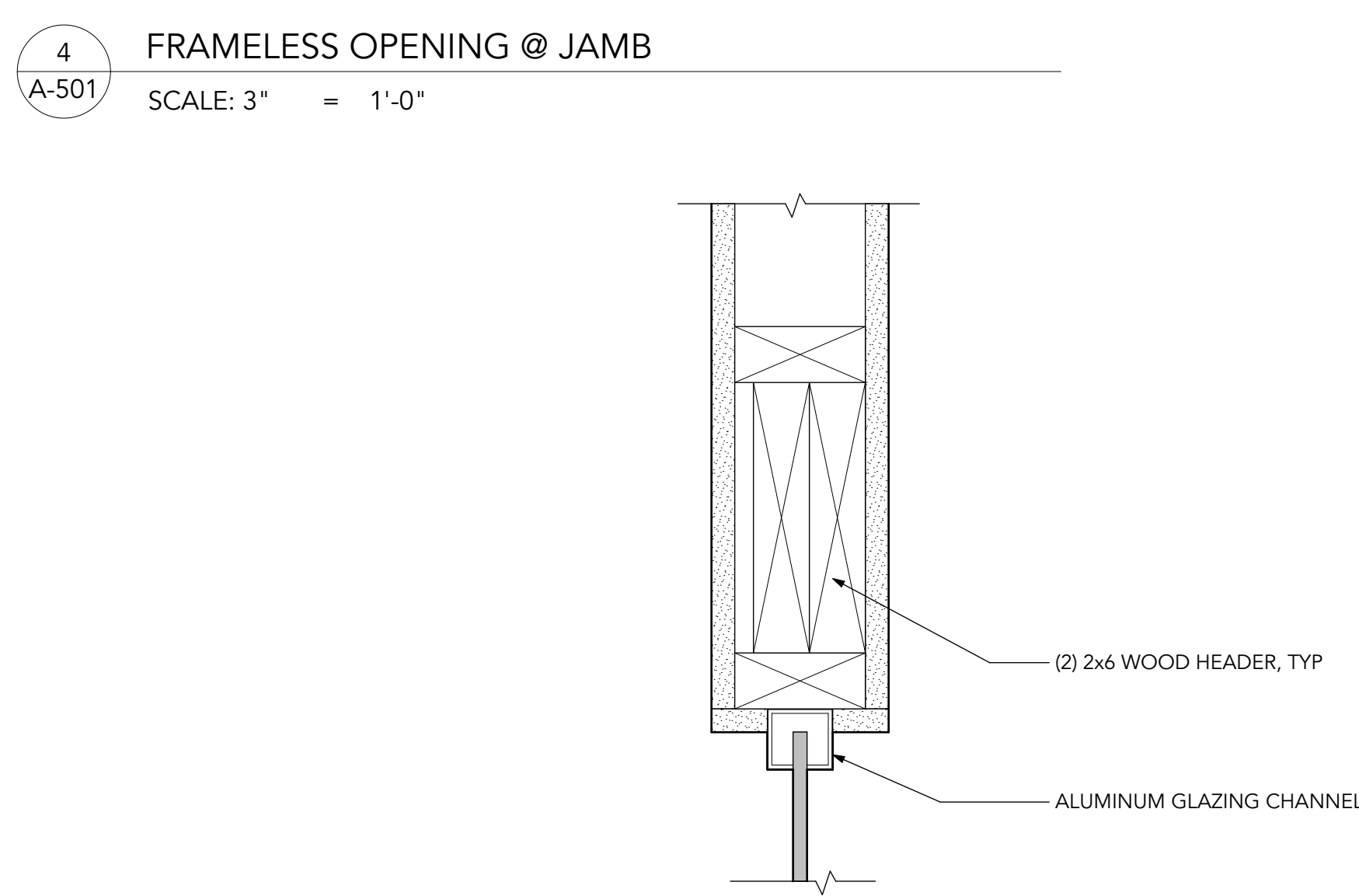
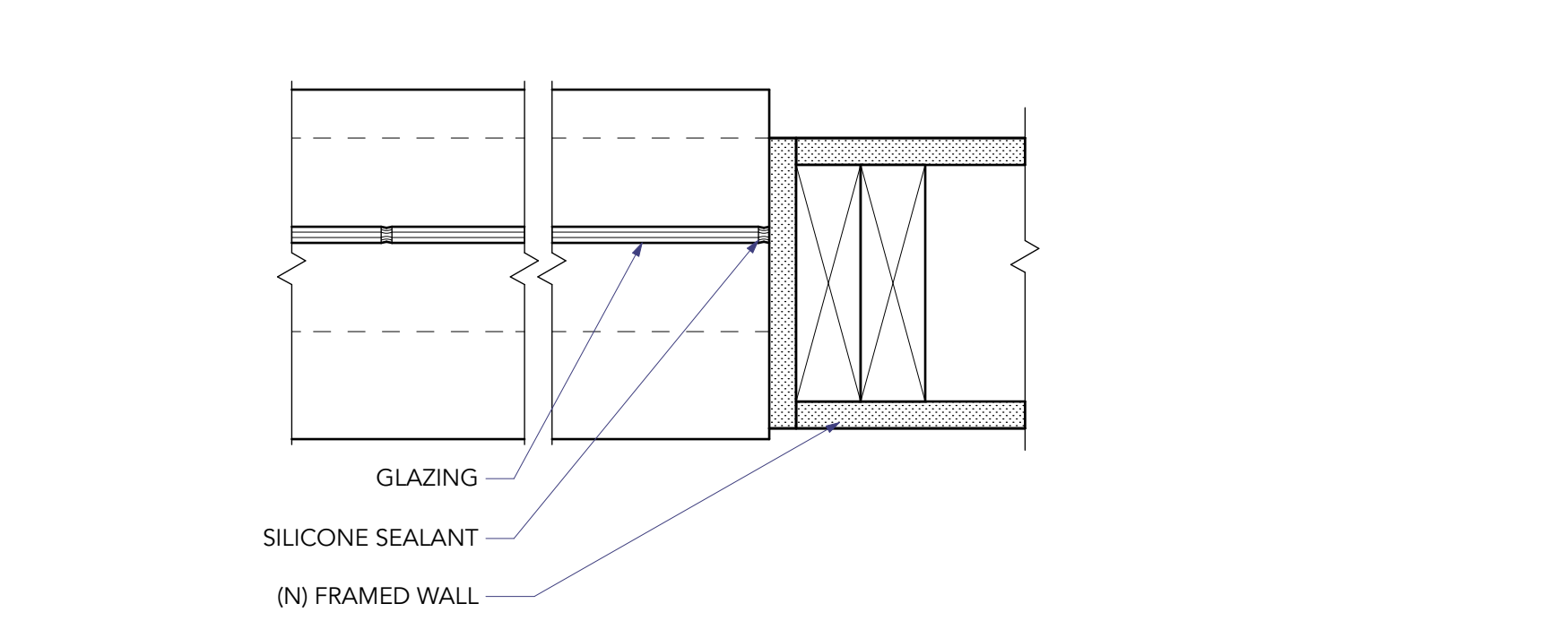
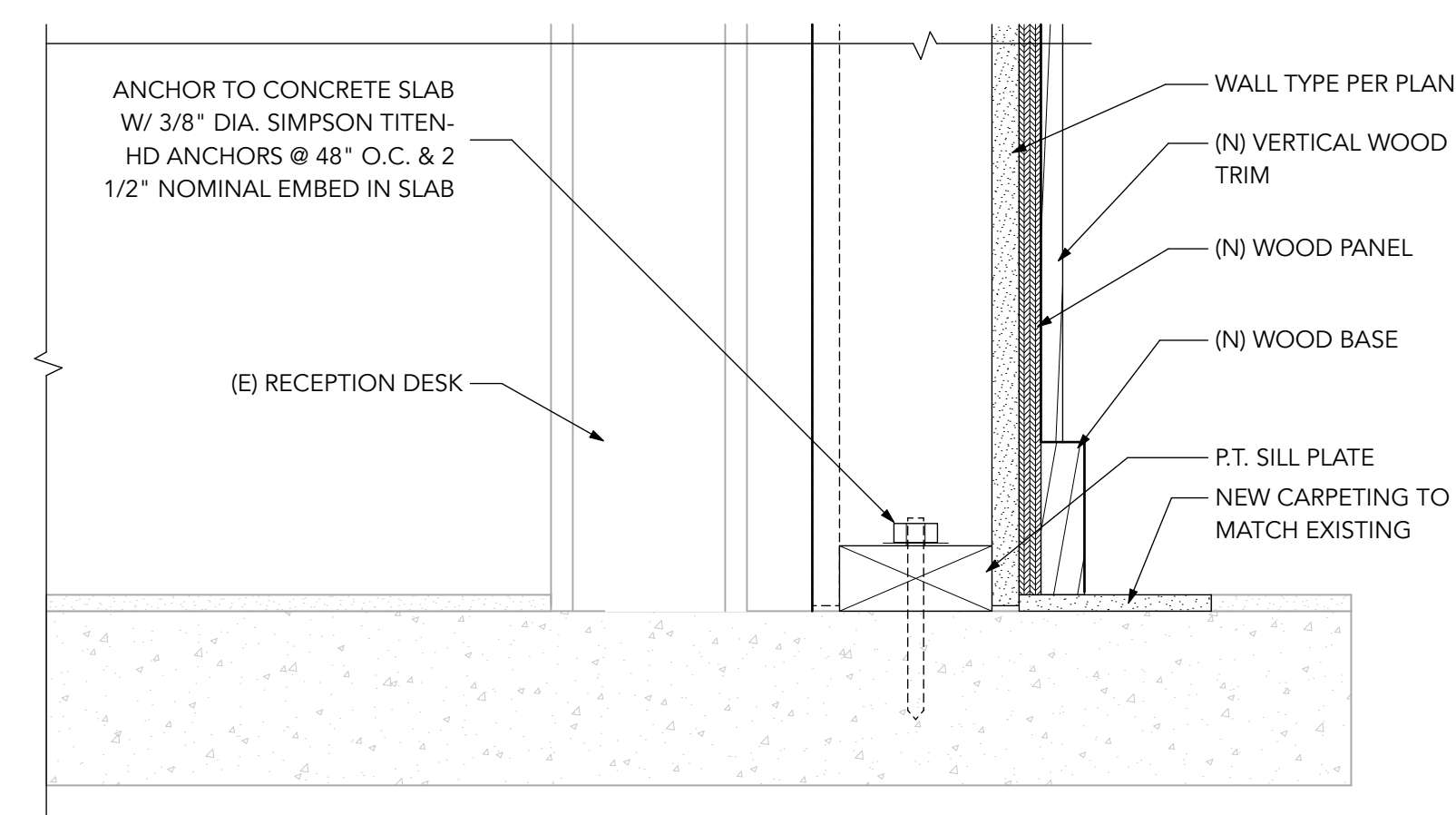
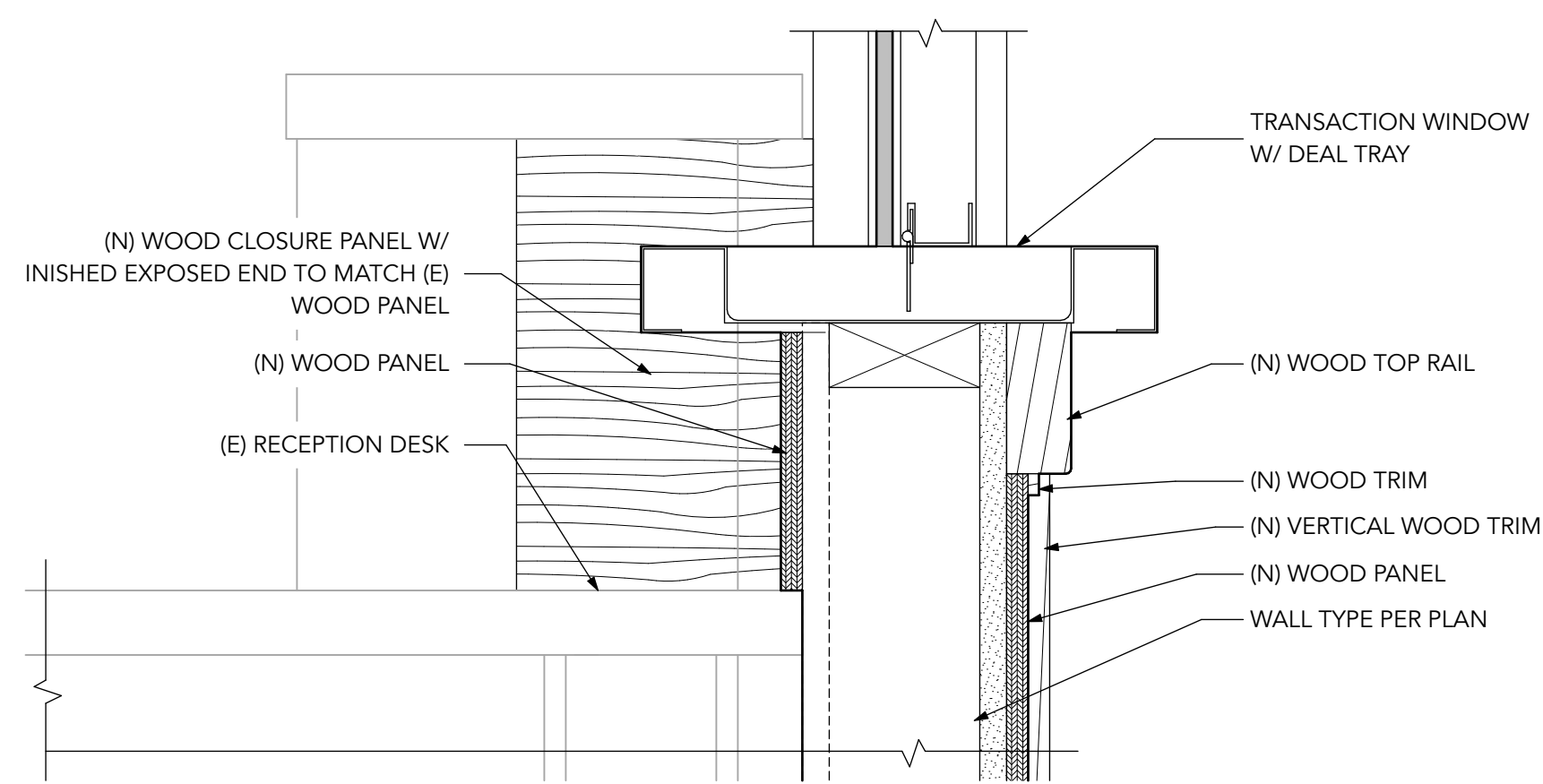
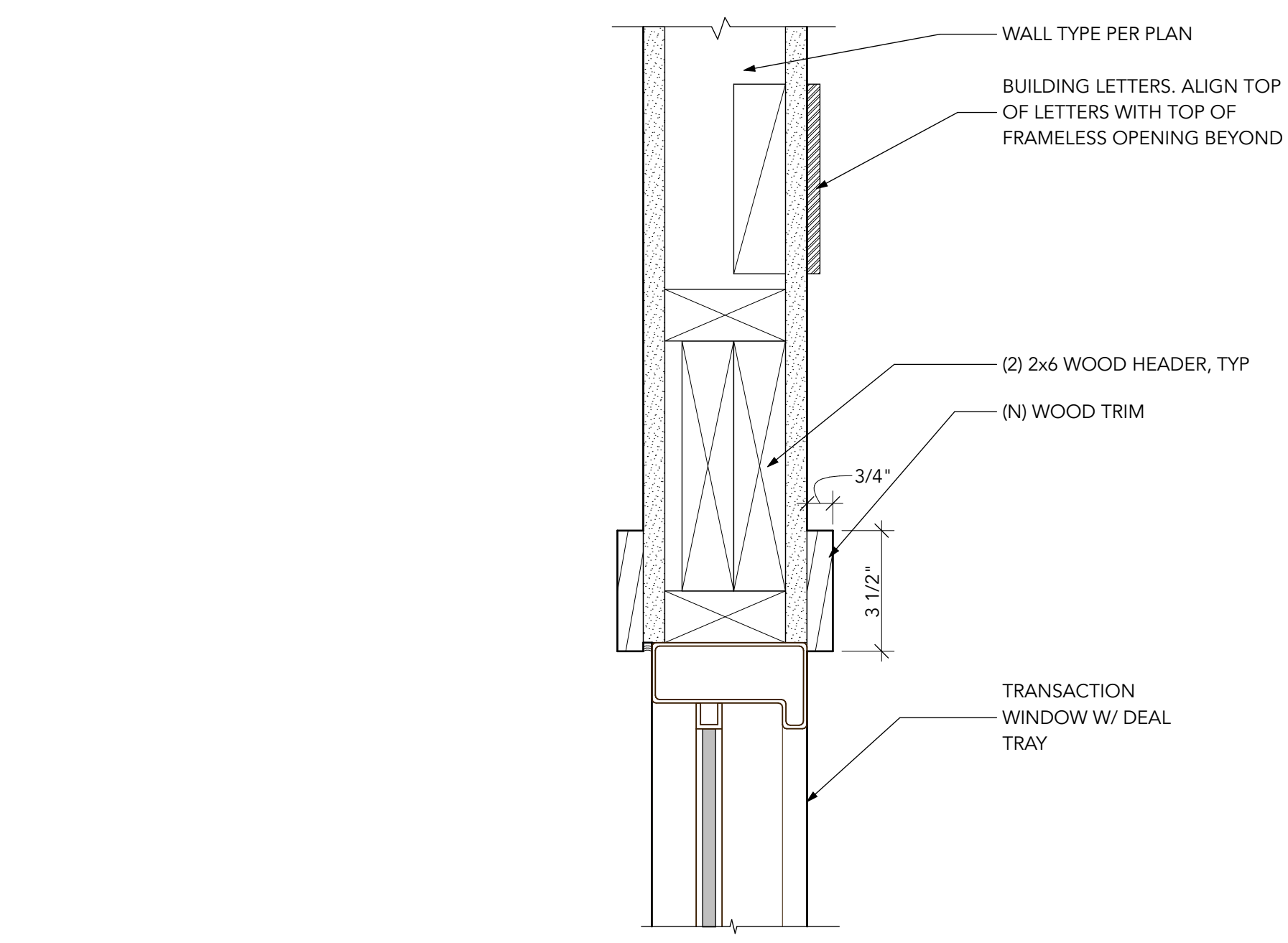
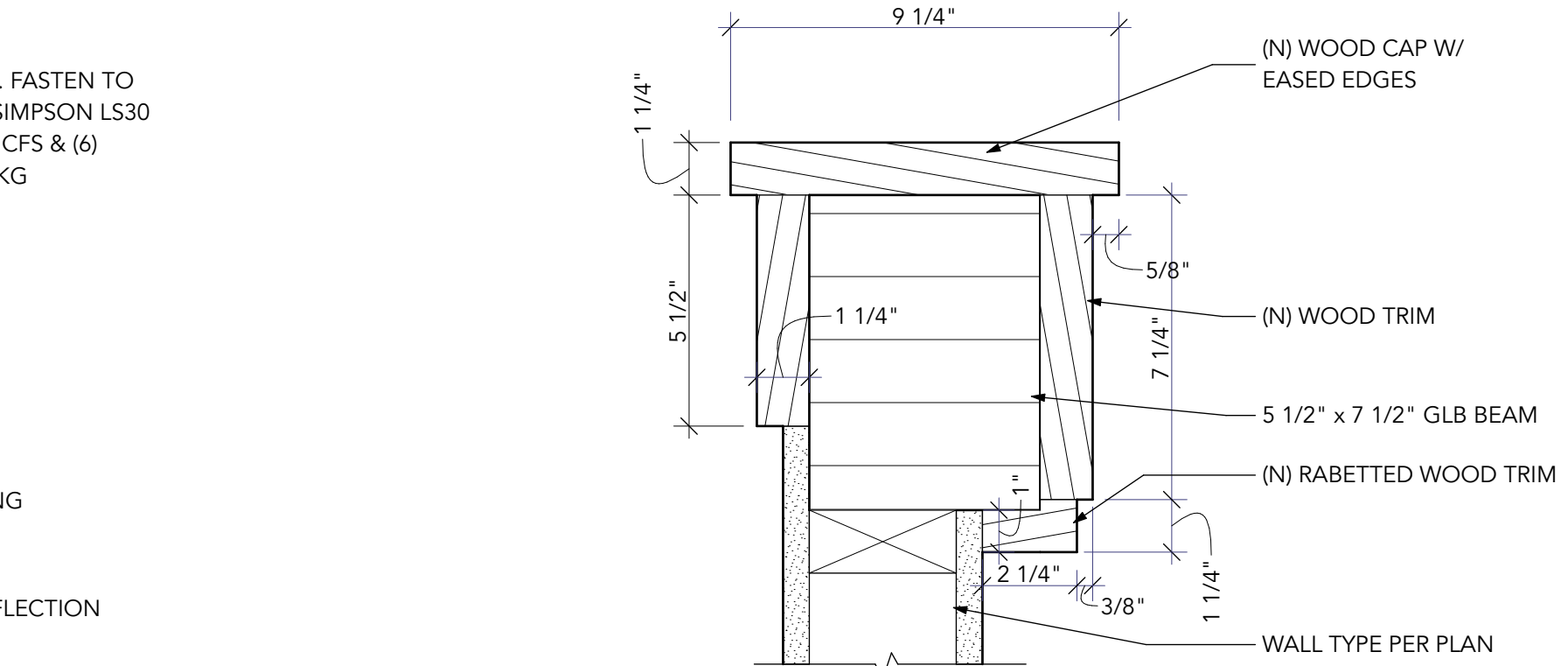
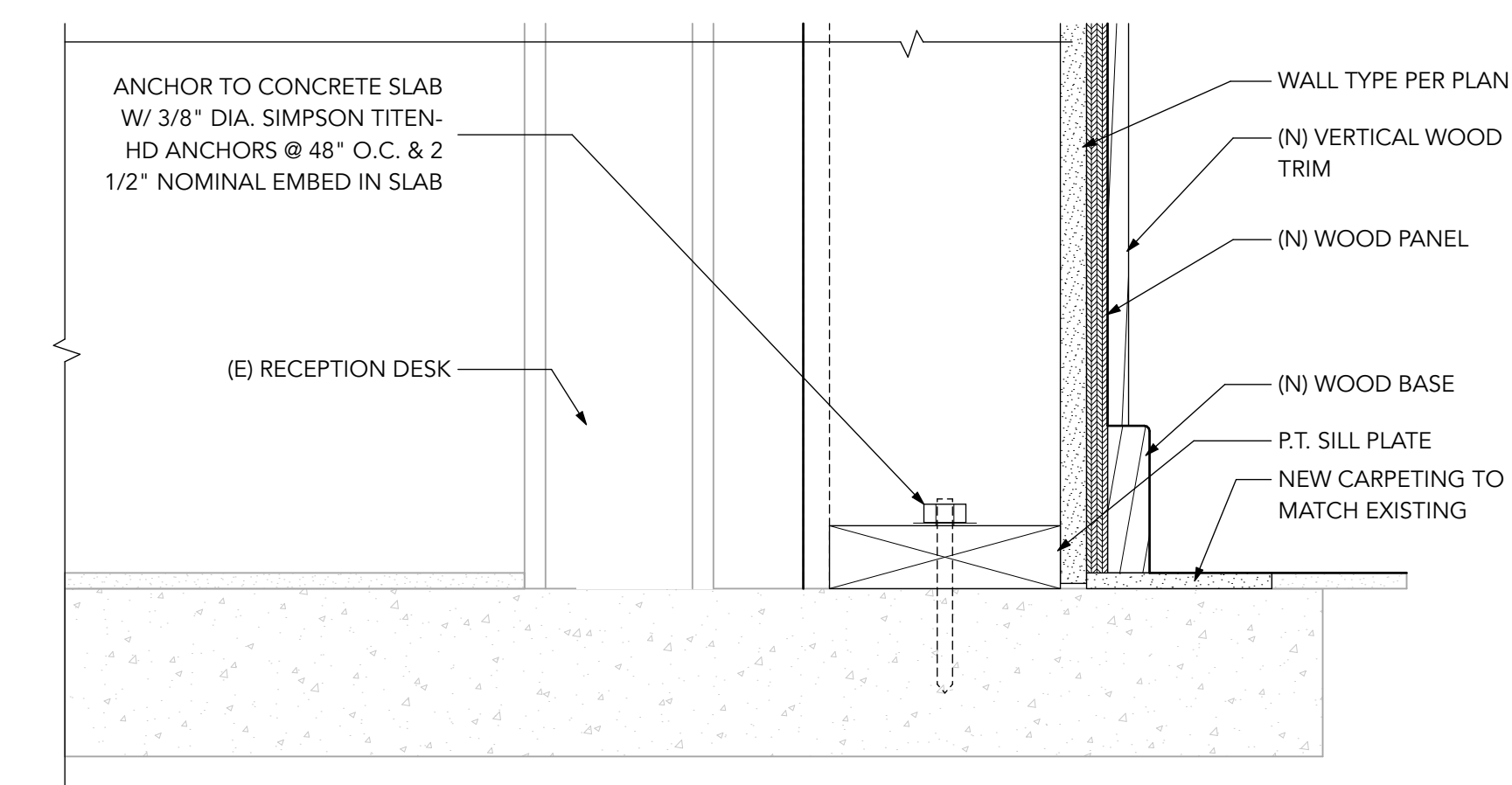
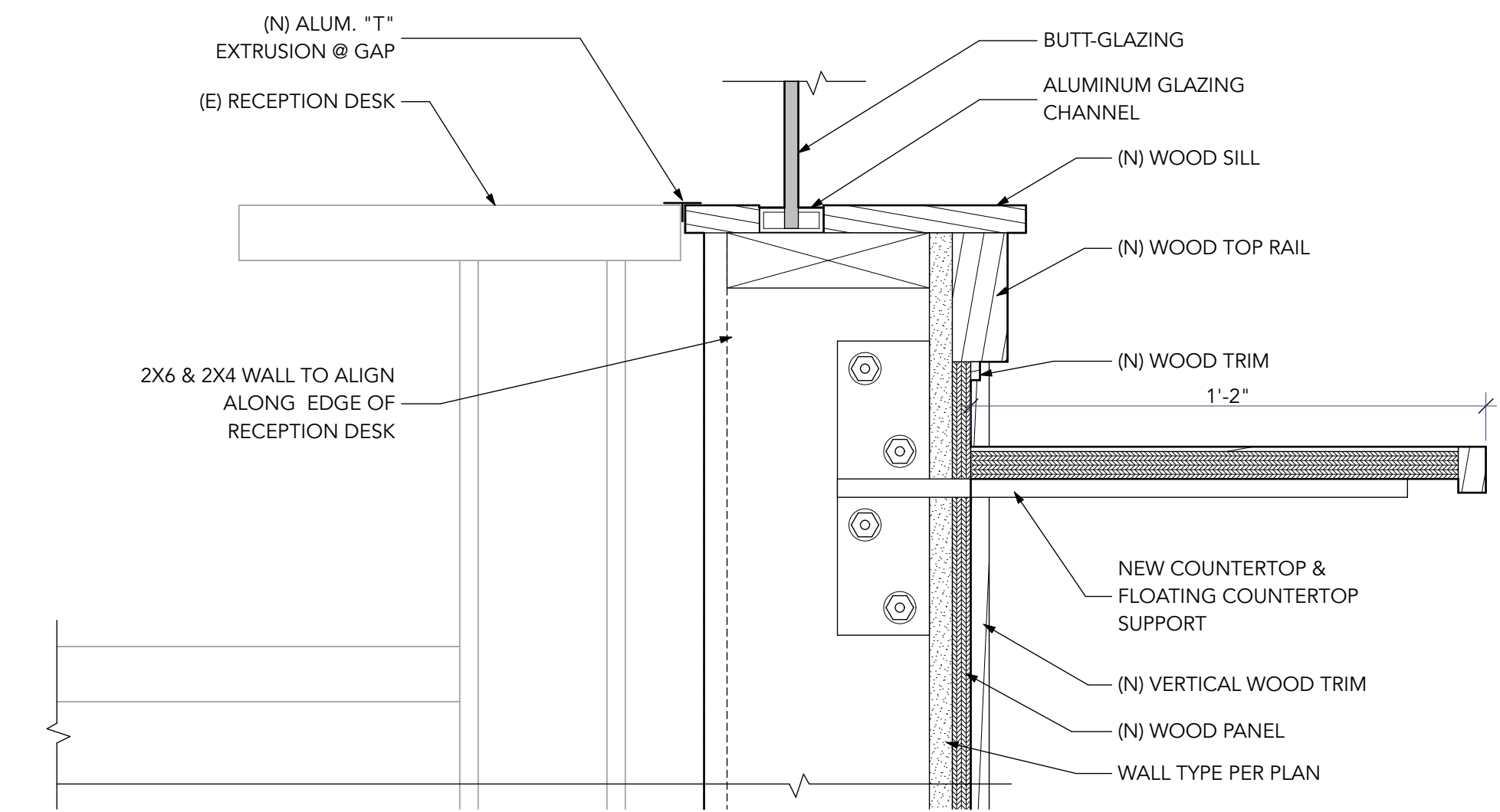
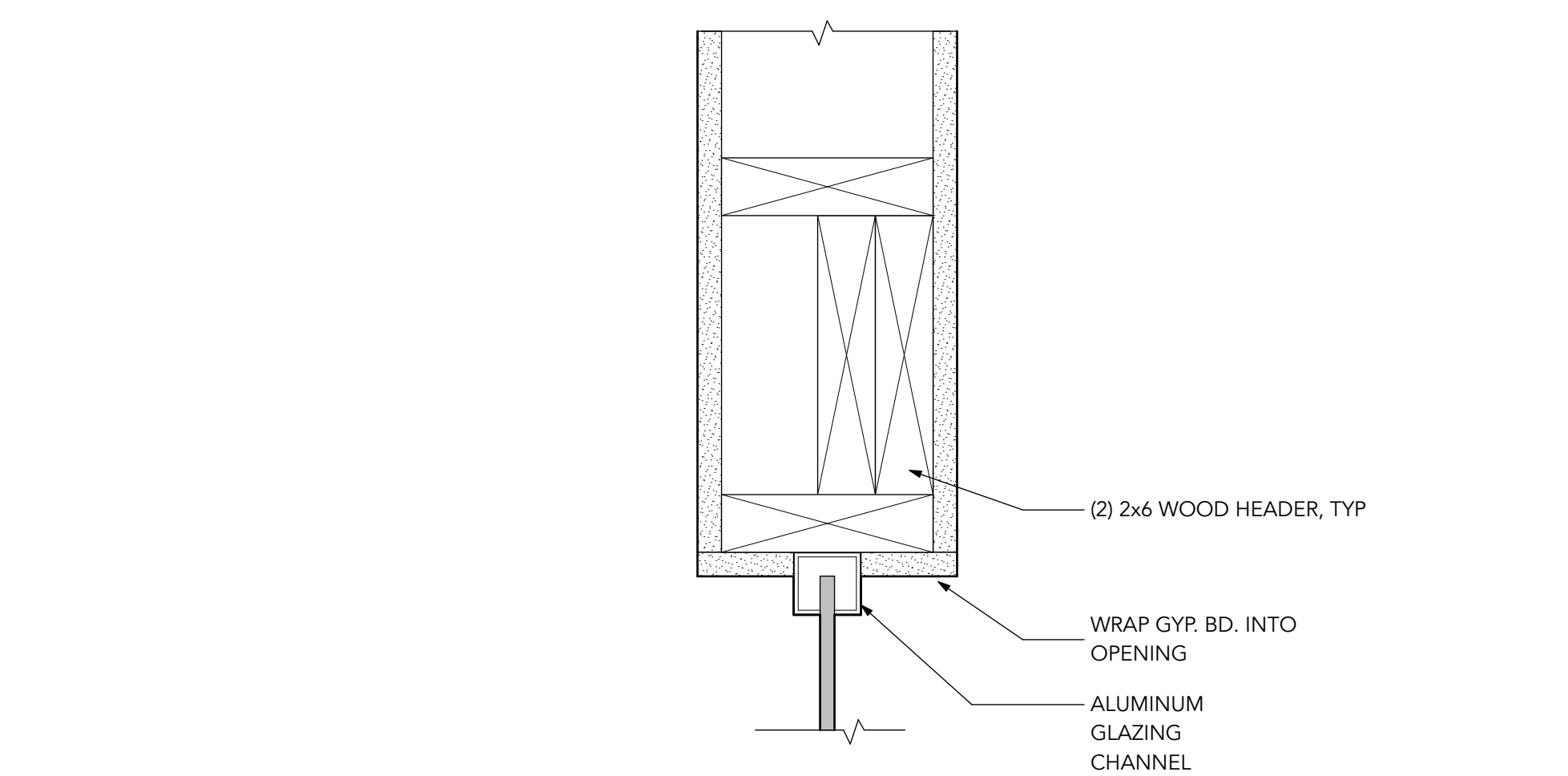
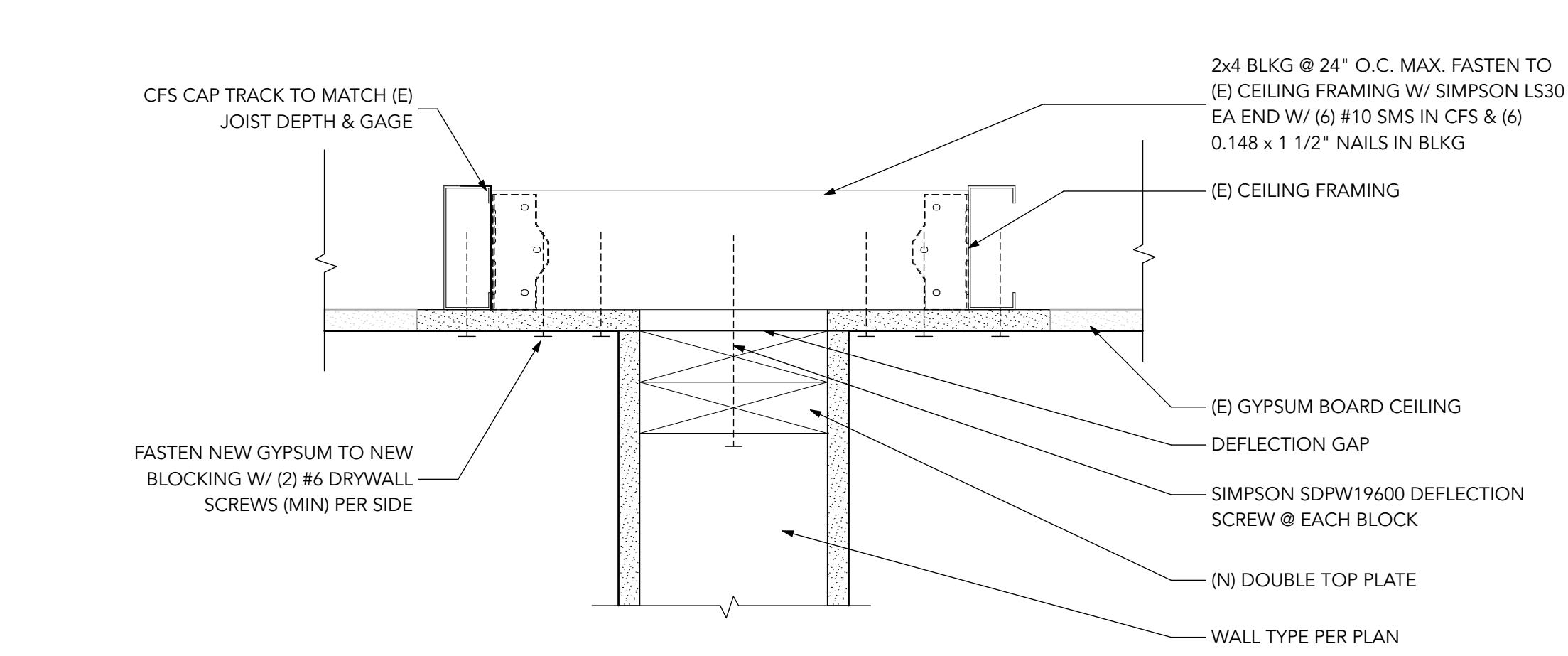


6 RECEPTION South
SCALE: 1/4" = 1'-0"



7 AXONOMETRIC @ RECEPTION DESK
SCALE: 1/2" = 1'-0"

- 02.20_12 (E) RECEPTION DESK
- 01 GENERAL REQUIREMENTS**
- 01.80_07 NEW LOW WALL WITH WOOD PANELING, BASE, RAIL & COUNTERTOP. LOCATE WALL BEHIND (E) VERTICAL TRIM @ (E) RECEPTION DESK.
- 01.80_08 STOP TRIM @ WALL TRANSITION
- 06.20 Finish Carpentry**
- 06.20_01 (N) WOOD BASE
- 06.20_02 (N) WOOD PANEL
- 06.20_04 (N) WOOD TOP RAIL
- 06.20_09 (N) WOOD TRIM
- 06.20_11 (N) WOOD CLOSURE PANEL W/ FINISHED EXPOSED END TO MATCH (E) WOOD PANEL
- 06.40 Architectural Woodwork**
- 06.40_02 SERVICE COUNTER FOR PARALLEL APPROACH
- 08.50 Windows**
- 08.50_01 TRANSACTION WINDOW W/ DEAL TRAY
- 08.50_02 FRAMELESS GLASS OPENING
- 09.20 Plaster and Gypsum Board**
- 09.20_03 CONTROL JOINT
- 09.20_06 (N) GYPSUM BOARD & FINISH TO MATCH EXISTING @ (N) BUILT-UP COLUMN & BEAM POCKET
- 10.10 Information Specialties**
- 10.10_04 BUILDING LETTERS. ALIGN TOP OF LETTERS WITH TOP OF FRAMELESS OPENING
- 26 ELECTRICAL**
- 26.50_01 (E) WALL SCONCE



3
A-501
DETAIL SECTION @ FRAMELESS OPENING (2x6)
SCALE: 3" = 1'-0"

2
A-501
DETAIL SECTION @ TRANSACTION WINDOW
SCALE: 3" = 1'-0"

1
A-501
DETAIL SECTION @ FRAMLESS OPENING (2x4)
SCALE: 3" = 1'-0"

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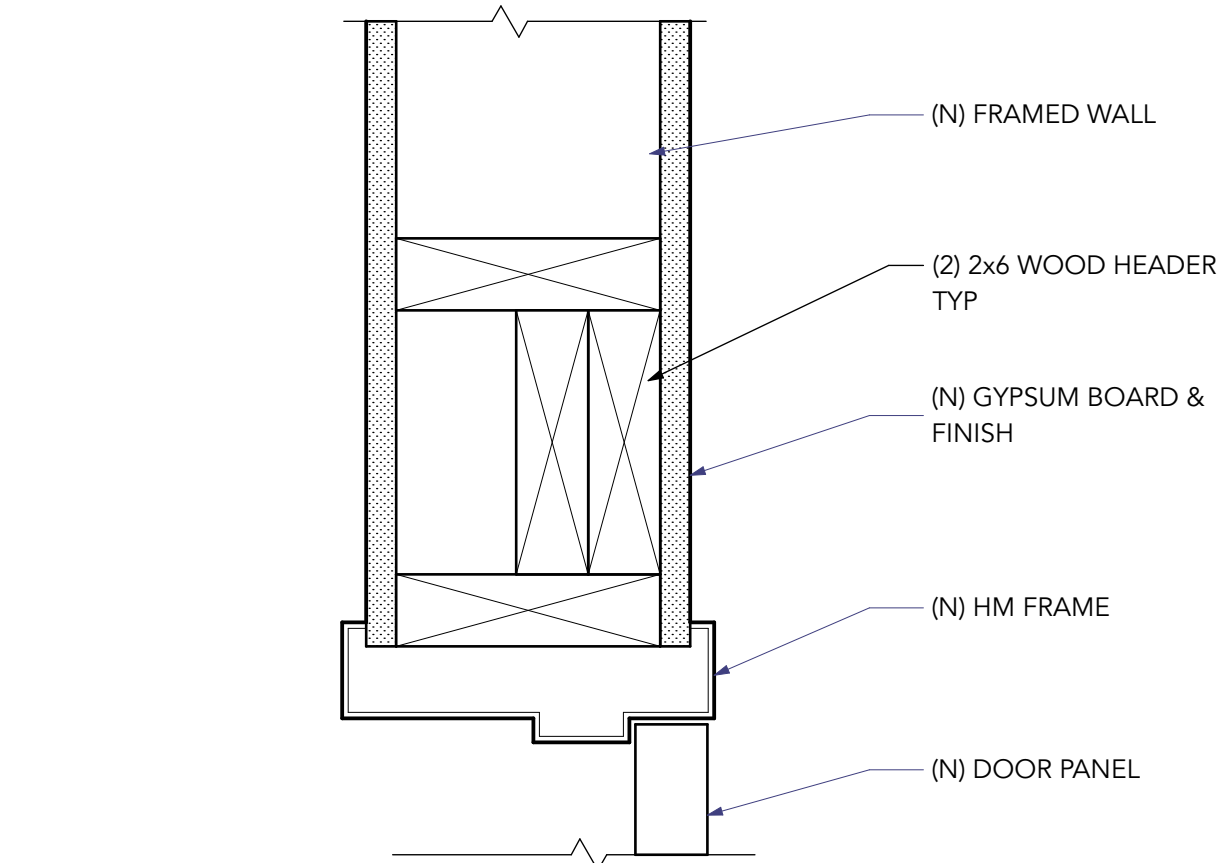
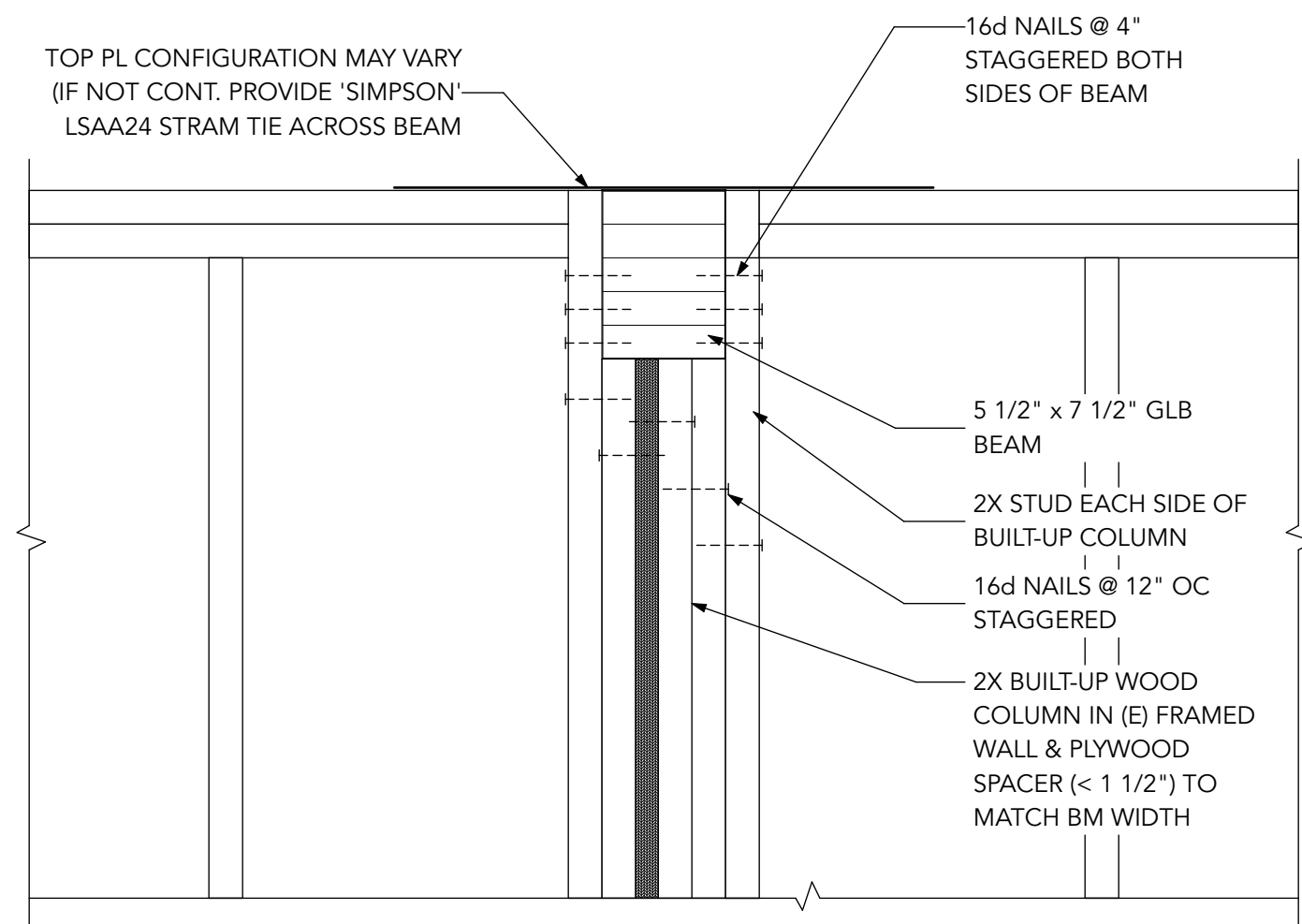
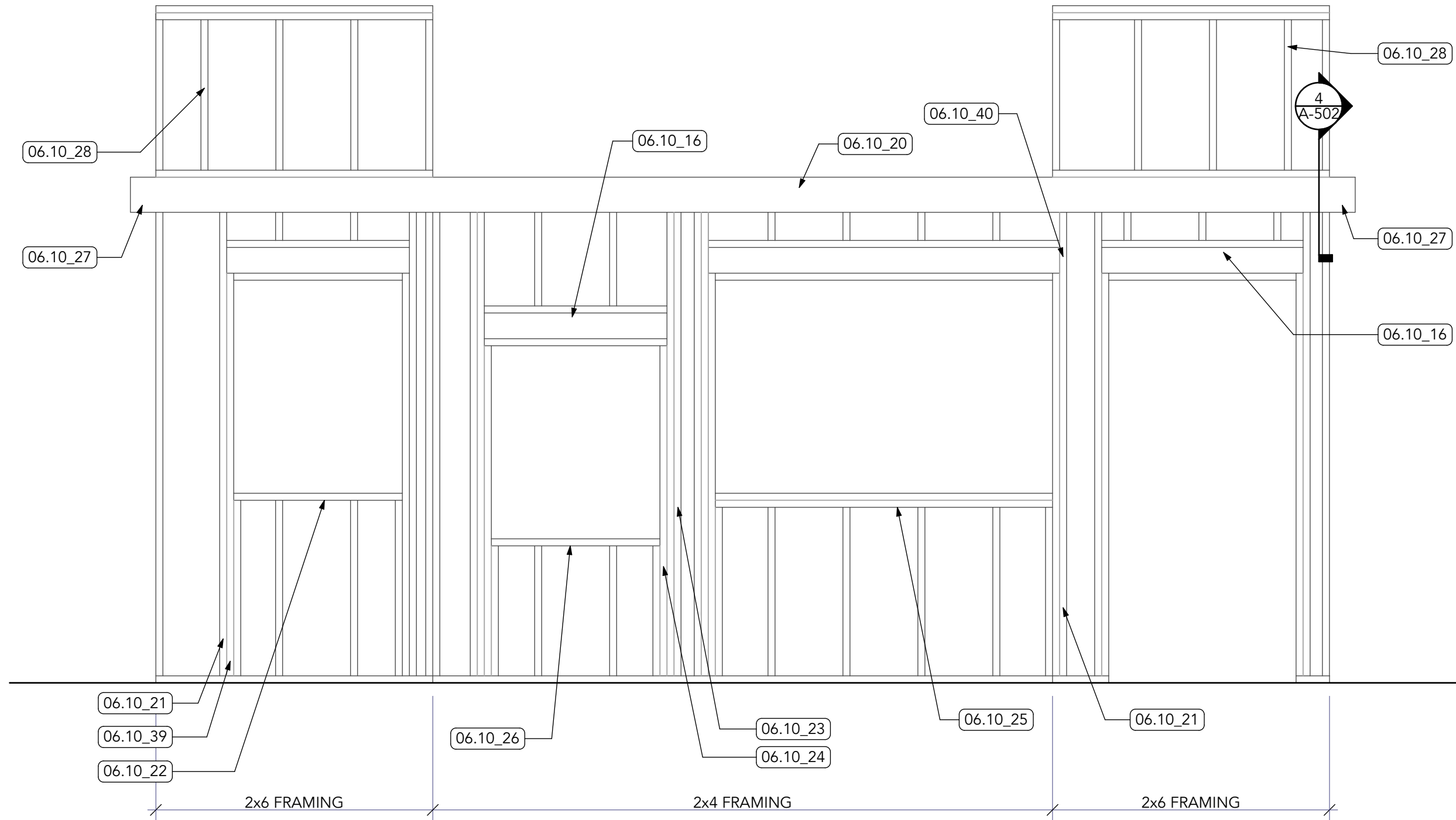
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SHEET:
SECTION, ELEVATIONS
& DETAILS

A-502

06.10 Rough Carpentry

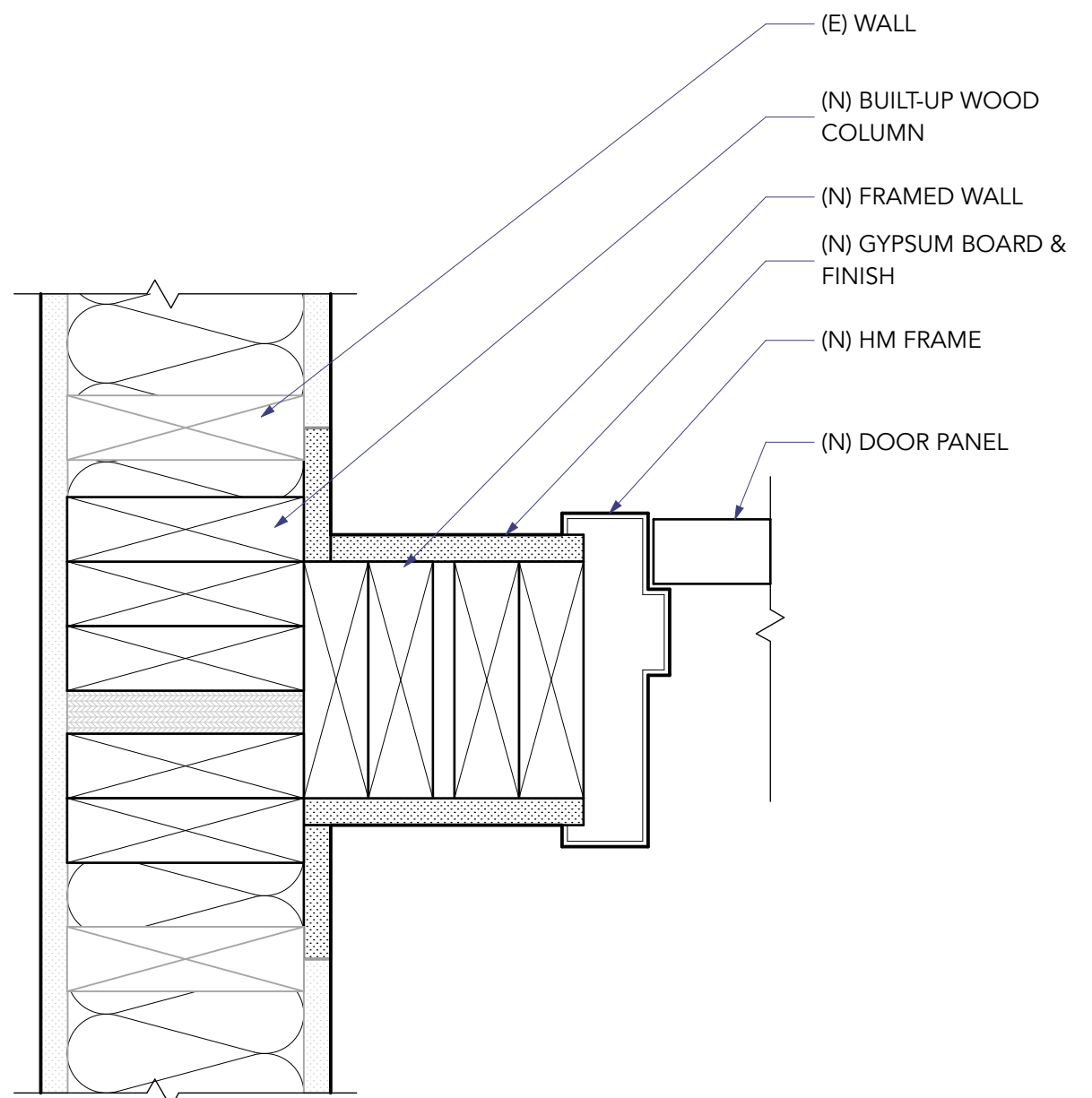
06.10_16 (2) 2x6 WOOD HEADER, TYP
06.10_20 5 1/2" x 7 1/2" GLB BEAM
06.10_21 2x6 KING
06.10_22 2x6 SILL
06.10_23 (2) 2x4 KING STUD TYP @ 2x4 WALL
06.10_24 2x4 TRIMMER STUD
06.10_25 (2) 2x4 SILL
06.10_26 2x4 SILL
06.10_27 POCKET BEAM INTO RETURN WALL, TYP
06.10_28 FRAMING CONTINUES TO SOFFIT
06.10_39 2x6 TRIMMER
06.10_40 BLOCKING @ WALL DEPTH CHANGE



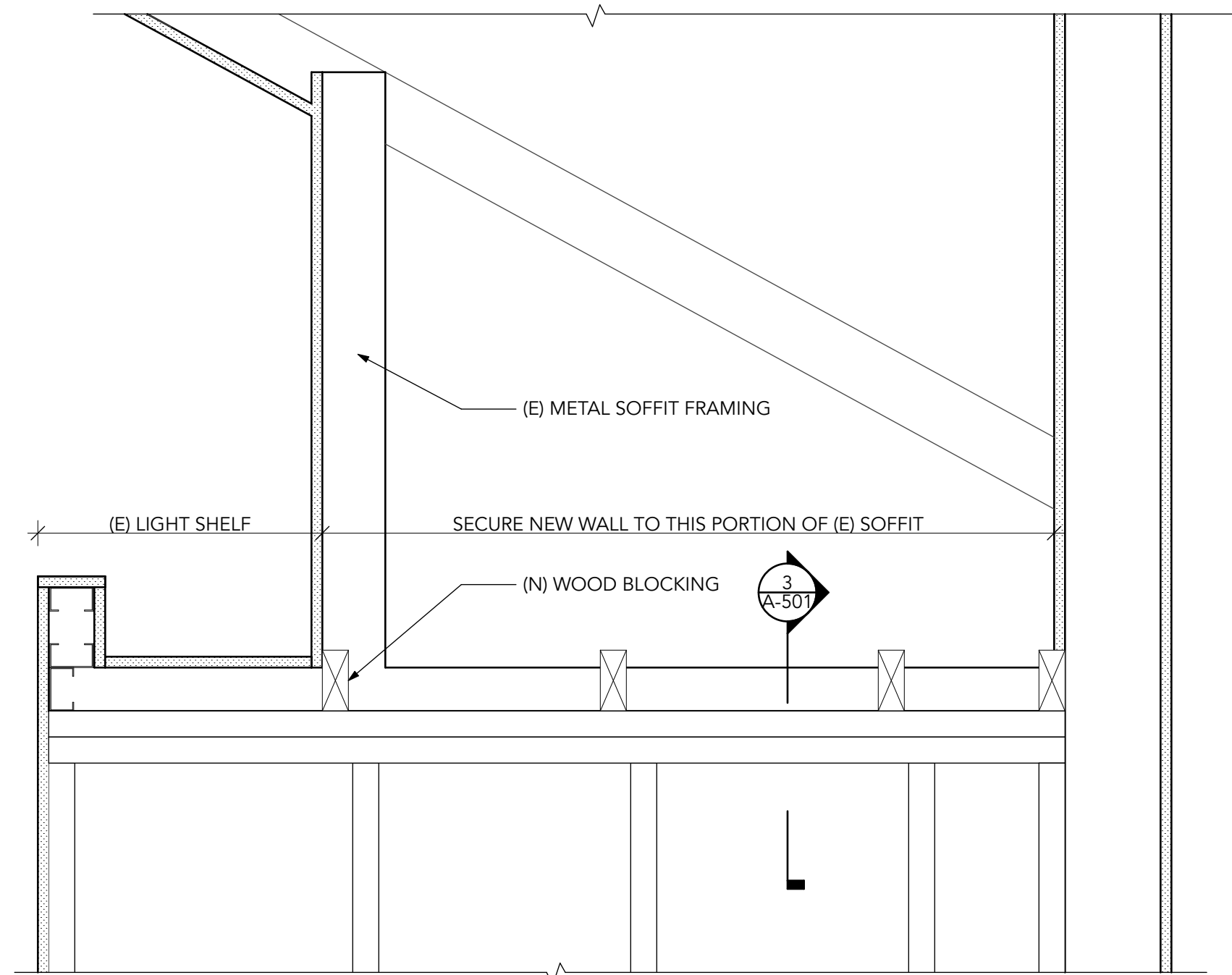
6 HEAD @ HM DOOR
SCALE: 3" = 1'-0"

5 FRAMING ELEVATION
SCALE: 1/2" = 1'-0"

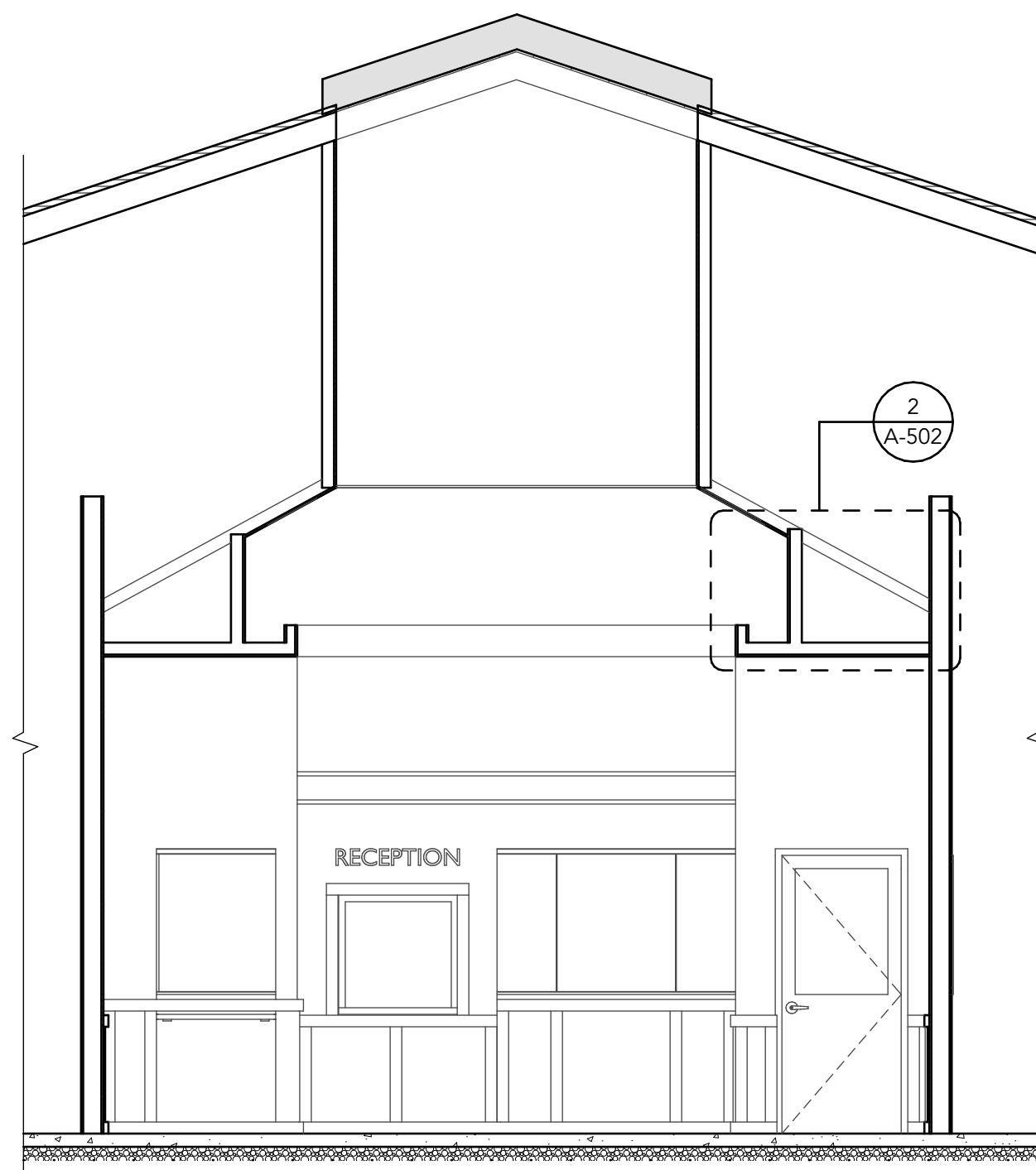
4 BEAM POCKET @ WALL
SCALE: 1 1/2" = 1'-0"



3 JAMB @ HM DOOR
SCALE: 3" = 1'-0"



2 SECTION DETAIL @ (E) SOFFIT
SCALE: 1 1/2" = 1'-0"



1 PARTIAL BUILDING SECTION
SCALE: 1/4" = 1'-0"