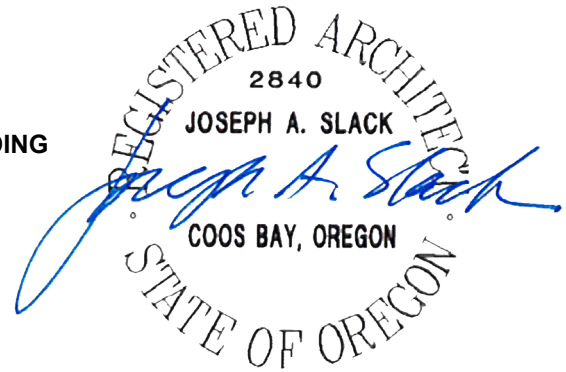


ADDENDUM #2 – SEPTEMBER 13, 2024

**RE: HOLY TRINITY CATHOLIC CHURCH BUILDING
Project #23.75**

**FROM: HGE ARCHITECTS, Inc.
333 South 4th Street
Coos Bay, Oregon 97420
541-269-1166**



TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Documents dated July 2024, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of **THREE (3)** page(s) together with the following attachments:

- Revised Section 26-0519 Low-Voltage Electrical Power Conductors and Cables
- Revised Sheet A7.1 Schedules
- Revised Sheet S2.1 Structural Foundation Plan
- Revised Sheet S2.2 Structural Roof Framing Plan
- Revised Sheet S4.1 Structural Foundation Details

CHANGES TO PROJECT MANUAL:

1. **Section 07-4646 Fiber Cement Siding, Paragraph 2.02:** ADD the following:
 - E. Drainage Mat
 1. Nominal 0.25 inch, randomly oriented geometric patterned drainage and ventilation mat.
 2. Keen 620-1 or equivalent.
 - F. Vent Screen: Cora-vent or equivalent.
 1. Cora-vent SV-3 or SV-5 with insect screen. Refer to Details.”
2. **Section 09-6813 Tile Carpeting, Paragraph 2.02, A:** ADD “13. Milliken Coastline Collection, Style & Color TBD.”
3. **Section 09-9000 Painting and Coating:** Make the following changes:
 - a. **Paragraph 2.03:** ADD “F. Paint – Exposed Wood”
 - b. **Paragraph 2.04, B, 1:** REVISE to
 - “1. One coat sealer.
 2. Two coats varnish.”
4. **Section 10-2800 Toilet, Bath, and Laundry Accessories, Paragraph 2.03:** ADD the following:
 - “G. Baby Changing Station
 1. Koala Kare KB300 horizontal surface mount”

5. **Section 26-0519 Low-Voltage Electrical Power Conductors and Cables:**
 - a. Revised to include MC cables. See attachment

CHANGES TO DRAWINGS:

1. **A3.1 Building Sections, Detail 2 Nave Cross Section: Roof Assembly @ Dormer note:**
 - a. REPLACE: "1/2" plywood sheathing" with "structural sheathing"
 - b. ADD: 2x6 @ 24" O.C. per structural, 5/8" gyp bd, acoustic panels w/ wood grilles
2. **A3.3 Building Sections, Detail 1 N-S Section: Roof Assembly Note:**
 - a. Replace "5/8" Gyp Bd." with "Structural Sheathing"
3. **A5.1 Building Details:**
 - a. Details 3 & 9: Roof Assembly Note: Replace "5/8" Gyp Bd." with "Structural Sheathing"
 - b. Detail 7 & 13: Roof Assembly Note: Replace lower "1/2" Plywood Sheathing" with "Structural Sheathing"
 - c. Details & Notes regarding 2x4 sleepers: See revised sheet S2.2 for fastening requirements
 - d. Details 3,8,9, & 12 Eave Details: Roof sheathing to stop at wall line, seal to wall sheathing with SAMF. Provide 1/4" Hardie soffit material and nailers as necessary.
4. **A5.2 Building Details:**
 - a. Details 3,4,5,6,11,12,13,14, & 19: Roof Assembly Note: Replace lower "1/2" Plywood Sheathing" with "Structural Sheathing"
 - b. Details & Notes regarding 2x4 sleepers: See revised sheet S2.2 for fastening requirements
 - c. Detail 20 Rake – Typical: Roof sheathing to stop at wall line, seal to wall sheathing with SAMF. Provide 1/4" Hardie soffit material and nailers as necessary.
 - d. Detail 7 Tower Corner @ Windows: Replace 1x4 T&G with Hardie panel siding and aluminum corner trim.
5. **A7.1 Schedules, Window Schedule:** Attached revised sheet. Make the following changes:
 - a. REVISE Room Finish Schedule:
 - a. Service Hall: Revise floor finish to CPT
 - b. East Exit: Finishes to match Choir
 - c. West Sacristy & East Sacristy: Revise floor finish to Tile
 - b. See Revised Sheet, attached, for revised Window Schedule and Muntin Layout.
6. **S2.1 Structural Foundation Plan:** Attached revised sheet. Ramp framing revised to align with architectural.
7. **S2.2 Structural Roof Framing Plan:** Attached revised sheet. See attachment for the following changes:

- a. Revised truss type note at grid 2 to read: "Heavy timber truss type C per 5/S3.1"
 - b. Revised Tower Framing Plans
 - c. Added note 14. "SCREW FLAT 2x SLEEPERS TO 2x6 W/ #8x8" SCREWS 24" OC WHERE PARALLEL AND WITH MIN (2) #8x8" SCREWS WHERE PERPENDICULAR. SHEATHING AT SLEEPERS TO BE NAILED WITH 0.131"DIAx2 1/2" NAILS @ 12" OC AT ALL EDGES."
8. **S4.1 Structural Foundation Details:** Attached revised sheet. ADD Detail 12: Tower Roof Framing"
9. **E6.1 Schedules – Electrical:**
- a. Incoming Electrical Service Division of Responsibility: DELETE bollards from table.

SUBSTITUTION APPROVALS:

<u>SPECIFIED SECTION</u>	<u>SPECIFIED ITEM</u>	<u>APPROVED</u>
09-3000	Mortar materials, grout materials	Ardex Americas

END OF ADDENDUM #2

SECTION 26-0519
LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 - GENERAL

1.01 SUMMARY

- A. Work Included:
 - 1. Lugs and Pads
 - 2. Wires and Cables
 - 3. Connectors

1.02 RELATED SECTIONS

- A. Contents of Division 26, Electrical and Division 01, General Requirements apply to this Section.

1.03 REFERENCES AND STANDARDS

- A. References and Standards as required by Section 26 00 00, Electrical Basic Requirements and Division 01, General Requirements.

1.04 SUBMITTALS

- A. Submittals as required by Section 26 00 00, Electrical Basic Requirements and Division 01, General Requirements.

1.05 QUALITY ASSURANCE

- A. Quality assurance as required by Section 26 00 00, Electrical Basic Requirements and Division 01, General Requirements.

1.06 WARRANTY

- A. Warranty of materials and workmanship as required by Section 26 00 00, Electrical Basic Requirements and Division 01, General Requirements.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Lugs and Pads:
 - 1. Anderson
 - 2. IlSCO
 - 3. Panduit
 - 4. Thomas & Betts
 - 5. 3M
 - 6. Or approved equivalent.
- B. Wires and Cables:

1. General:
 - a. General Cable
 - b. Okonite
 - c. Southwire
 - d. Encore Wire
 - e. Or approved equivalent.
2. Metal Clad Cable - Type MC:
 - a. Alflex
 - b. AFC
 - c. General Cable
 - d. Southwire
 - e. Encore Wire
 - f. Or approved equivalent.

- C. Connectors:
1. Anderson Power Products
 2. Burndy
 3. IlSCO
 4. 3M
 5. Thomas & Betts
 6. Or approved equivalent.

2.02 LUGS AND PADS

- A. Ampacity: Cross-sectional area of pad for multiple conductor terminations to match ampere rating of panelboard bus or equipment line terminals.
- B. Copper Pads: Drilled and tapped for multiple conductor terminals.
- C. Lugs: Compression type for use with stranded branch circuit or control conductors; mechanical type for use with solid branch and feeder circuit conductors.

2.03 WIRES AND CABLES

- A. Building Wires:
 1. Copper: Soft-drawn with conductivity of not less than 98 percent IACS at 20 degrees C (68 degrees F). 600 volt rated throughout. Conductors 12 AWG and 10 AWG, solid or stranded. Conductors 8 AWG and larger, stranded. 12 AWG minimum conductor size. Minimum insulation rating of 90 degrees C. Insulation Type: THHN/THWN-2 above grade and XHHW-2 below grade.
- B. Phase color to be consistent at feeder terminations; A-B-C, top to bottom, left to right, front to back.
- C. Color Code Conductors as Follows:

PHASE	208 VOLT WYE
A	Black
B	Red
C	Blue
Neutral	White
Ground	Green

PHASE	208 VOLT WYE
Isolated Ground	Green w/yellow trace

- D. ~~MC Cable: Not allowed.~~
- E. MC Cable:
 1. Standard: High strength galvanized steel flexible armor. Full length minimum size No. 12 copper ground wire, copper dual rated THHN/THWN-2, full length tape marker phase/circuit identification on cable armor. Short circuit throat insulators, mechanical compression termination.
- F. AC Cable (Armored Cable): Not allowed.
- G. NMB Cable: Not allowed.

2.04 CONNECTORS

- A. Split bolt connectors not allowed.
- B. Conductor Branch Circuits: Wire nuts with integral spring connectors for conductors 12 AWG through 8 AWG. Push-in type connectors where conductors are not required to be twisted together are not acceptable.

PART 3 - EXECUTION

3.01 GENERAL INSTALLATION REQUIREMENTS

- A. Install per manufacturer instructions and OESC.

3.02 LUGS AND PADS

- A. Thoroughly clean surfaces to remove all dirt, oil, grease, or paint.
- B. Use torque wrench to tighten per manufacturer's directions.

3.03 WIRES AND CABLES

- A. General:
 1. Do not install or handle thermoplastic insulated wire and cable in temperatures below -10 degrees C (14 degrees F). Do not handle thermoset insulated wire and cable in temperatures below -40 degrees C (-40 degrees F). All wire and cable must be acclimated to temperatures above freezing for no less than 24 hours prior to installation.
 2. Install conductors in raceways having adequate, code size cross-sectional area for wires indicated.
 3. Install conductors with care to avoid damage to insulation.
 4. Do not apply greater tension on conductors than recommended by manufacturer during installation.
 5. Use of pulling compounds is permitted. Clean residue from exposed conductors and raceway entrances after conductor installation. Do not use pulling compounds for installation of conductors connected to GFCI circuit breakers or GFCI receptacles.
 6. Conductor Size and Quantity:
 - a. Install no conductors smaller than 12 AWG unless otherwise shown.

- b. Provide required conductors for a fully operable system.
 - c. Power Circuits: No. 12 AWG minimum, except as follows:
 - 1) No. 10 AWG for 20A, 120V circuits longer than 70-feet.
 - 2) No. 8 AWG for 20A, 120V circuits longer than 100-feet.
 - d. When exact run lengths are determined for all branch circuits, and prior to installation of the conductors, ensure that the maximum voltage drop, based on 80 percent of the circuit protective device, does not exceed 3 percent. Increase wire size from #12AWG, if necessary, to ensure that the 3 percent voltage drop is not exceeded.
7. Provide dedicated neutrals (one neutral conductor for each phase conductor) in all 120V circuits.
- B. Conductors in Cabinets:
- 1. Conductors and cables within panels and cabinets are to be made up in a clean and workmanlike manner.
 - 2. Cable and tree wires in panels and cabinets for power and control. Use plastic ties in panels and cabinets.
 - 3. Tie and bundle feeder conductors in wireways of panelboards.
 - 4. Hold conductors away from sharp metal edges.
- C. Homeruns:
- 1. Do not change intent of branch circuit homeruns without approval. Homeruns for 20A branch circuits may be combined to a maximum of six current carrying conductors including neutral conductors in homeruns. Apply derating factors as required per NEC. Increase conductor size as needed.
 - 2. MC cable homeruns are not allowed.
- D. Identify wire and cable under the provisions of Section 26 05 53, Identification for Electrical Systems. Identify each conductor with its panel and circuit number as indicated.
- E. Use of MC Cable is limited to the following conditions. Installations that do not comply with the following conditions are to be removed and replaced with no additional expense to the Owner.
- 1. 15 and 20 amp branch wiring where following conditions apply:
 - a. Use MC cable for final flexible connections from junction or outlet boxes to recessed fixtures. Do not use MC cables to loop between fixtures, except where it is not practical to provide conduit connections between boxes or where existing inaccessible ceilings prevent installation of conduit runs. Each individual luminaire is to be serviced by an individual cable drop from the associated junction box in the ceiling space. Maximum length 6-feet of MC cable. Luminaire drops secured to, and supported by, the building structure with nylon tie wraps. The use of the ceiling suspension system for support of any type of cabling is not permitted.
 - b. Do not use in walls in areas where MC cable cannot be fished into the walls after construction is completed. For example, walls with glazing or solid beams overhead, partial height walls, etc.

3.04 CONNECTORS

- A. Install to assure a solid and safe connection.
- B. Select hand twist connectors for wire size and install tightly on conductors.
- C. Install compression connectors using methods and tools recommended by the manufacturer.
- D. Do not install stranded conductors under screw terminals unless compression lugs are installed.

- E. Do not connect wiring without UL listed connectors that are listed for the purposes.
END OF SECTION

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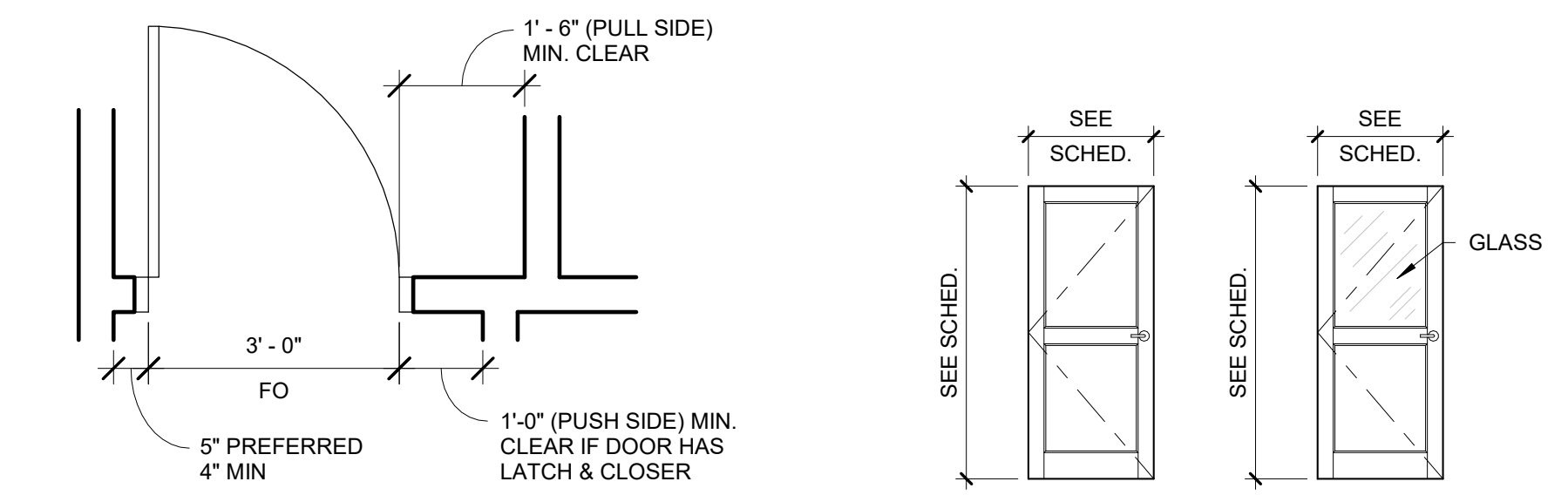
ROOM FINISH SCHEDULE										
ROOM NAME	ROOM NO.	FLOOR FINISH	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	CEILING HGT	NOTES
CHAPEL	01	CPT	WD	LEP	LEP	LEP	LEP	LEP/AC PANELS	VARIABLES	
ENTRY	02	WOT	WD	LEP	LEP	LEP	LEP	LEP	41'	BELL TOWER
NARTHEX	03	CPT	WD	LEP	LEP	LEP	LEP	GYP. BD. / ACT	VARIABLES	
SERVICE HALL	4	CPT	WD	LEP	---	LEP	LEP	SUS. AC.	9'-0"	
MECH. / JAN.	05	RES	RBR	LEP	LEP/PLY	LEP	LEP	LEP / RES. CHANNEL / INSUL.	11'-6"	
WOMEN	06	RES	COVE	TILE	TILE	TILE	TILE	LEP	8'-0"	
MEN	07	RES	COVE	TILE	TILE	TILE	TILE	LEP	8'-0"	
CRY ROOM	08	CPT	WD	LEP	LEP	LEP	LEP	SUS. AC.	9'-0"	
PRIEST SACRISTY	09	CPT	WD	LEP	LEP	LEP	LEP	SUS. AC.	9'-0"	
CONFESS.	10	CPT	WD	LEP	LEP	LEP	LEP	LEP	8'-0"	
CONFESS.	11	CPT	WD	LEP	LEP	LEP	LEP	LEP	8'-0"	
NAVE	12	CPT	WD	LEP	LEP	LEP / AC. PANELS	LEP	AC. WD PANEL / LEP	VARIABLES	CPT ON RAMPS/LANDING
CHOIR	12A	CPT	WD	LEP	LEP	LEP	LEP	LEP	10'-0"	
EAST EXIT	12B	CPT	WD	LEP	LEP	LEP	LEP	LEP	10'-0"	
WEST SACRISTY	13	TILE	RBR	LEP	LEP	LEP	LEP	SUS. AC.	8'-0"	
SANCTUARY	14	TILE	WD	LEP/WD PANEL	LEP	LEP	LEP	LEP	VARIABLES	
EAST SACRISTY	15	TILE	RBR	LEP	LEP	LEP	LEP	SUS. AC.	8'-0"	

FINISH ABBREVIATIONS

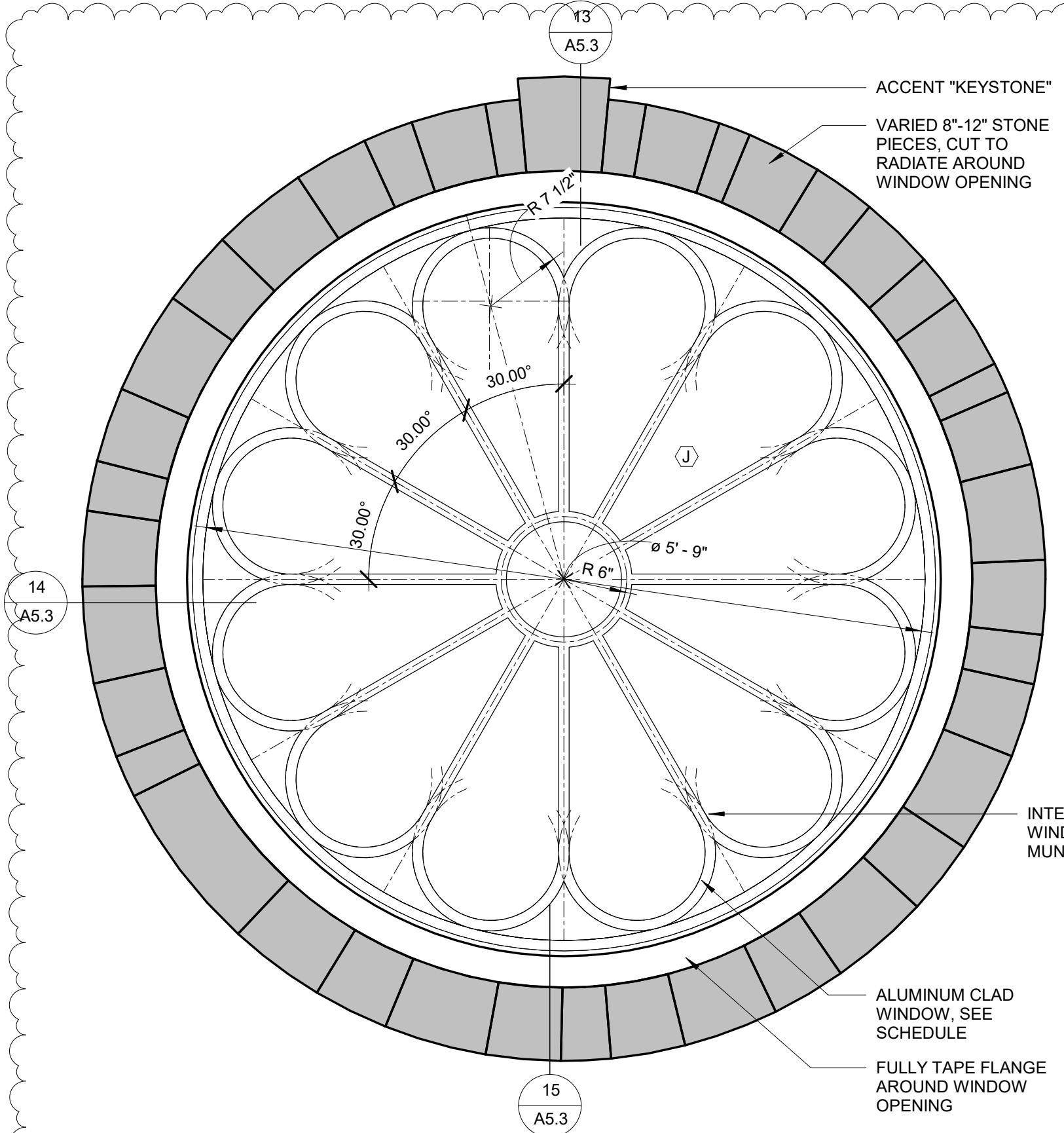
- LEP LATEX ENAMEL PAINT
- TILE PORCELAIN/CERAMIC/QUARRY TILE
- CPT CARPET
- WOT WALK-OFF CARPET TILE
- RES RESILIENT SHEET FLOORING
- LVT RESILIENT TILE (LUXURY VINYL TILE)
- RBR RESILIENT BASE, RUBBER
- WD WOOD
- COVE COVE BASE
- SUS. AC. SUSPENDED ACOUSTICAL CEILING
- PLY PRE-PAINTED, FIRE TREATED PLYWOOD
- T&G CVG DOUGLAS FIR TONGUE & GROOVE

DOOR SCHEDULE										
DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	DETAILS (SHEET A5.4)			NOTES
							HEAD	JAMB	THRESHOLD	
01	CHAPEL	3'-0" X 7'-0"	B	WD / GLASS	WD	HW-20	11	11	-	
2A	ENTRY	7'-0" X 8'-6"	A	WD	WD	HW-17	10	9	15	PAIR, EXTERIOR DOORS
3A	NAVE	6'-0" X 8'-0"	B	WD / GLASS	WD	HW-11A	8	8	-	PAIR, SOUND DOORS, INSULATED GLASS
5	MECH. / JAN.	3'-0" X 7'-0"	A	WD	WD	HW-20A	8	8	-	SOUND DOOR
6	WOMEN	3'-0" X 7'-0"	A	WD	WD	HW-1D	8	8	-	
7	MEN	3'-0" X 7'-0"	A	WD	WD	HW-5	8	8	-	
8	CRY ROOM	3'-0" X 7'-0"	B	WD / GLASS	WD	HW-9	8	8	-	SOUND DOOR, INSULATED GLASS
9A	PRIEST SACRISTY	3'-0" X 7'-0"	A	WD	WD	HW-10	8	8	-	
9B	CONFESS.	3'-0" X 7'-0"	A	WD	WD	HW-2	8	8	-	
9C	PRIEST SACRISTY	5'-0" X 6'-8"	A	WD	WD	-	4	4	-	1-3/8"-THICK BI-PARTING SLIDING CLOSET DOOR, PROVIDE TRACK & PULL HARDWARE
9D	PRIEST SACRISTY	5'-0" X 6'-8"	A	WD	WD	-	4	4	-	1-3/8"-THICK BI-PARTING SLIDING CLOSET DOOR, PROVIDE TRACK & PULL HARDWARE
11	CONFESS.	3'-0" X 8'-0"	A	WD	WD	HW-9	8	8	-	SOUND DOOR
12B	EAST EXIT	3'-0" X 8'-0"	A	WD	WD	HW-15	13	14	15	EXTERIOR DOOR
13A	WEST SACRISTY	3'-0" X 7'-0"	A	WD	WD	HW-20	8	8	-	
15A	EAST SACRISTY	3'-0" X 7'-0"	A	WD	WD	HW-20	8	8	-	
15B	EAST SACRISTY	4'-0" X 7'-0"	A	WD	WD	-	4	4	-	1-3/8"-THICK BI-PARTING SLIDING CLOSET DOOR, PROVIDE TRACK & PULL HARDWARE

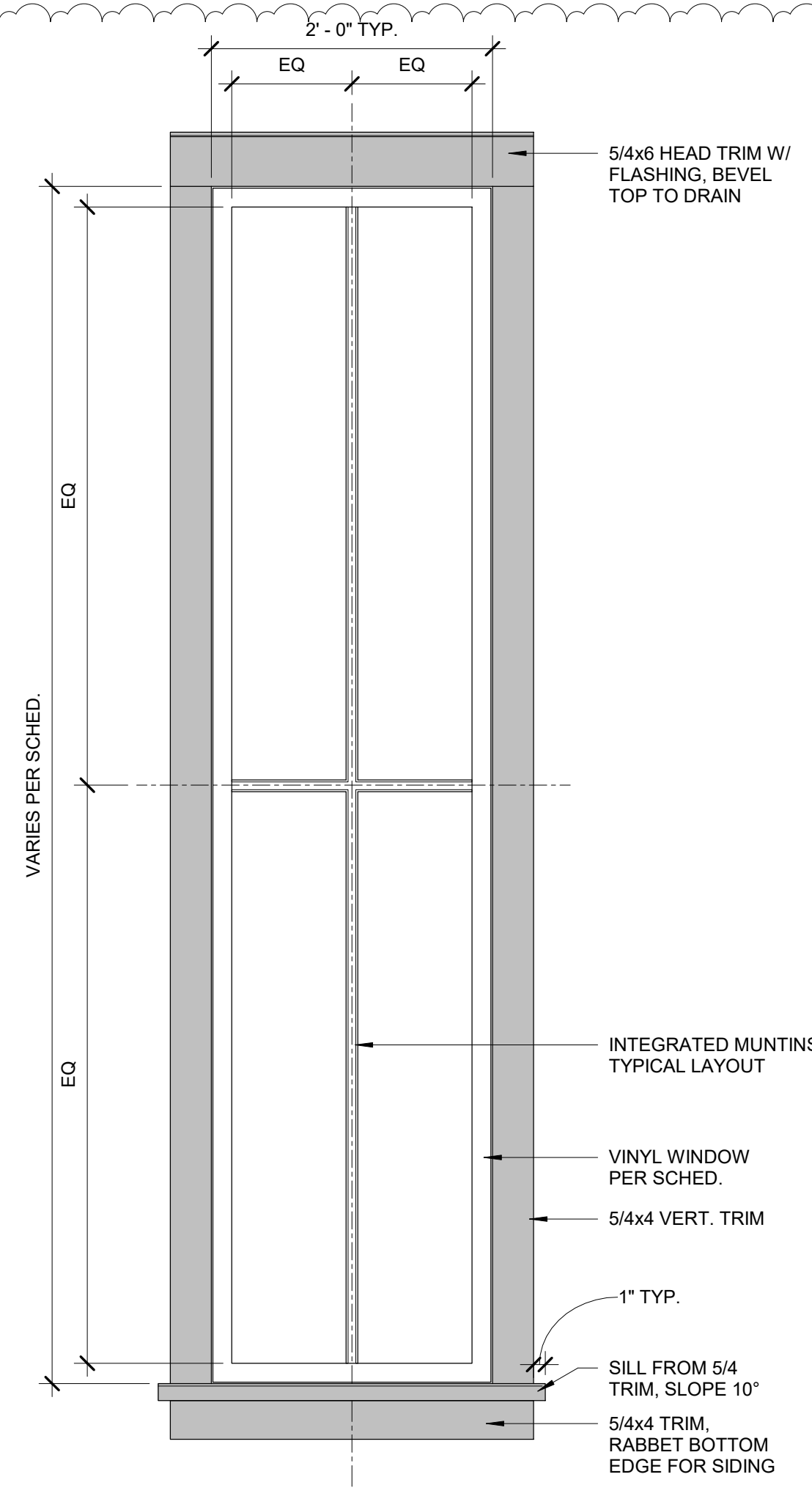
NOTE: ALL DOORS TO BE RAIL & STILE TYPE.



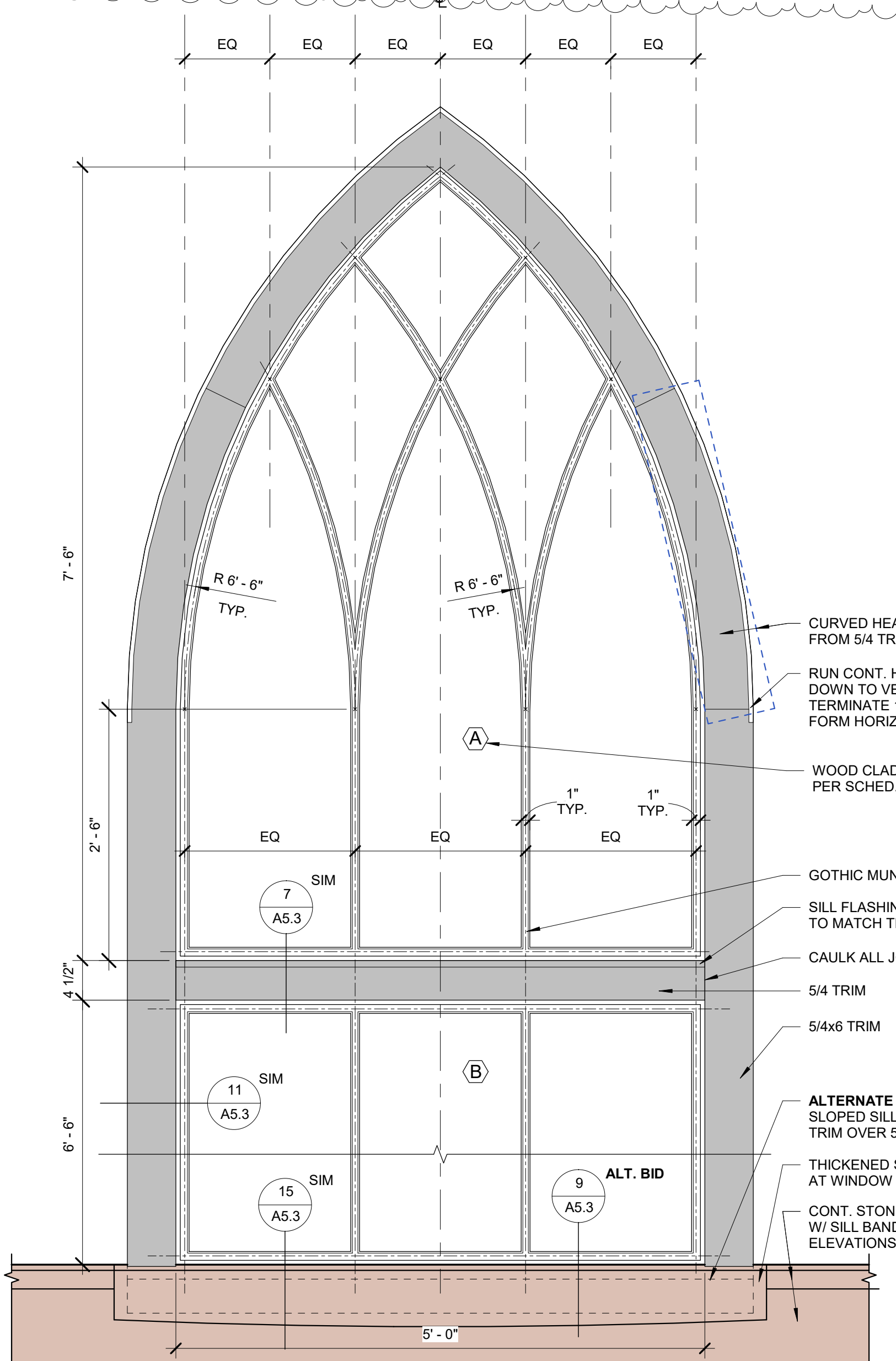
WINDOW SCHEDULE				
MARK	SIZE (WxH)	COUNT	TYPE	NOTES
A	5'-0" x 7'-6"	1	FIXED, WOOD CLAD	GOthic ARCHED WINDOW, W/ GOthic CONFIGURED GRIDS, SEE ELEVATION
B	5'-0" x 6'-6"	1	FIXED, WOOD CLAD	GRIDS AS SHOWN
C	2'-0" x 8'-6"	6	FIXED, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION
D	2'-0" x 5'-0"	13	FIXED, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION; NO GRIDS @ TOWER, TEMPERED AT RAMP
E	2'-0" x 6'-0"	3	FIXED, VINYL	
G	2'-4 1/2" x 6'-6"	2	FIXED, VINYL	
H	2'-4 1/2" x 7'-0"	2		
I	2'-4 1/2" x 3'-6"	2	FIXED, VINYL	
J	6'-0" x 6'-0"	1	FIXED, WOOD CLAD	ROSETTE WINDOW, SEE ELEVATION FOR MUNTINS
K	2'-0" x 4'-0"	2	FIXED, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION
L	2'-0" x 2'-9"	18	FIXED, VINYL	CLERESTORY WINDOWS, EQUAL DIVIDED GRIDS, SEE ELEVATION
M	2'-10" x 5'-6"	7	FIXED, VINYL	INTERIOR SOUND WINDOWS
N	2'-0" x 5'-0"	2	CASEMENT, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION
O	2'-0" x 4'-0"	1	CASEMENT, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION
P	2'-0" x 6'-0"	1	CASEMENT, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION
Q	2'-0" x 5'-0"	2	CASEMENT, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION
R	2'-0" x 4'-0"	1	CASEMENT, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION
S	2'-0" x 6'-0"	1	CASEMENT, VINYL	EQUAL DIVIDED GRIDS, SEE ELEVATION



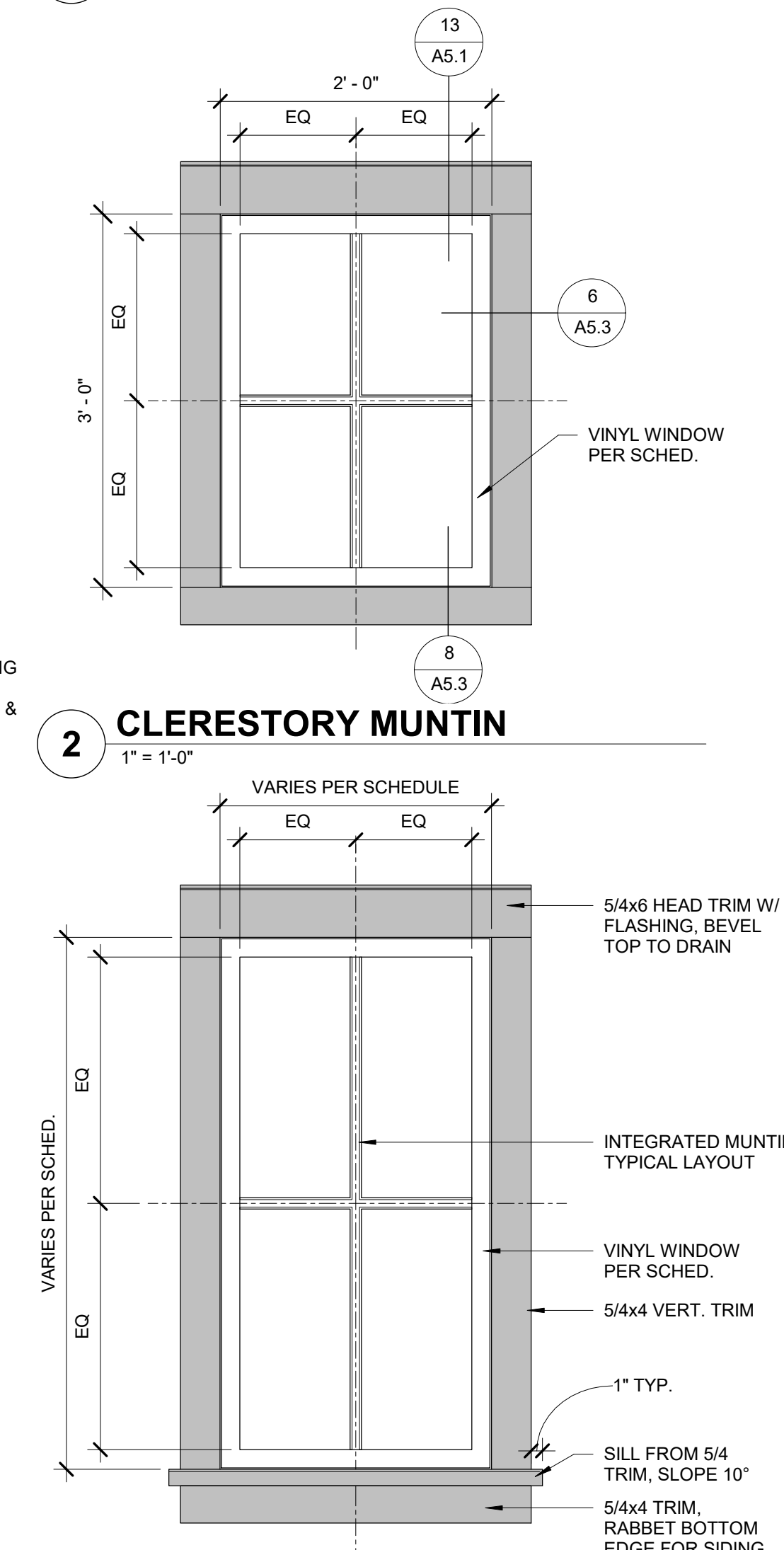
6 ROSETTE WINDOW EXTERIOR
1" = 1'-0"



5 EXTERIOR TRIM & MUNTIN AT NAVE
1" = 1'-0"

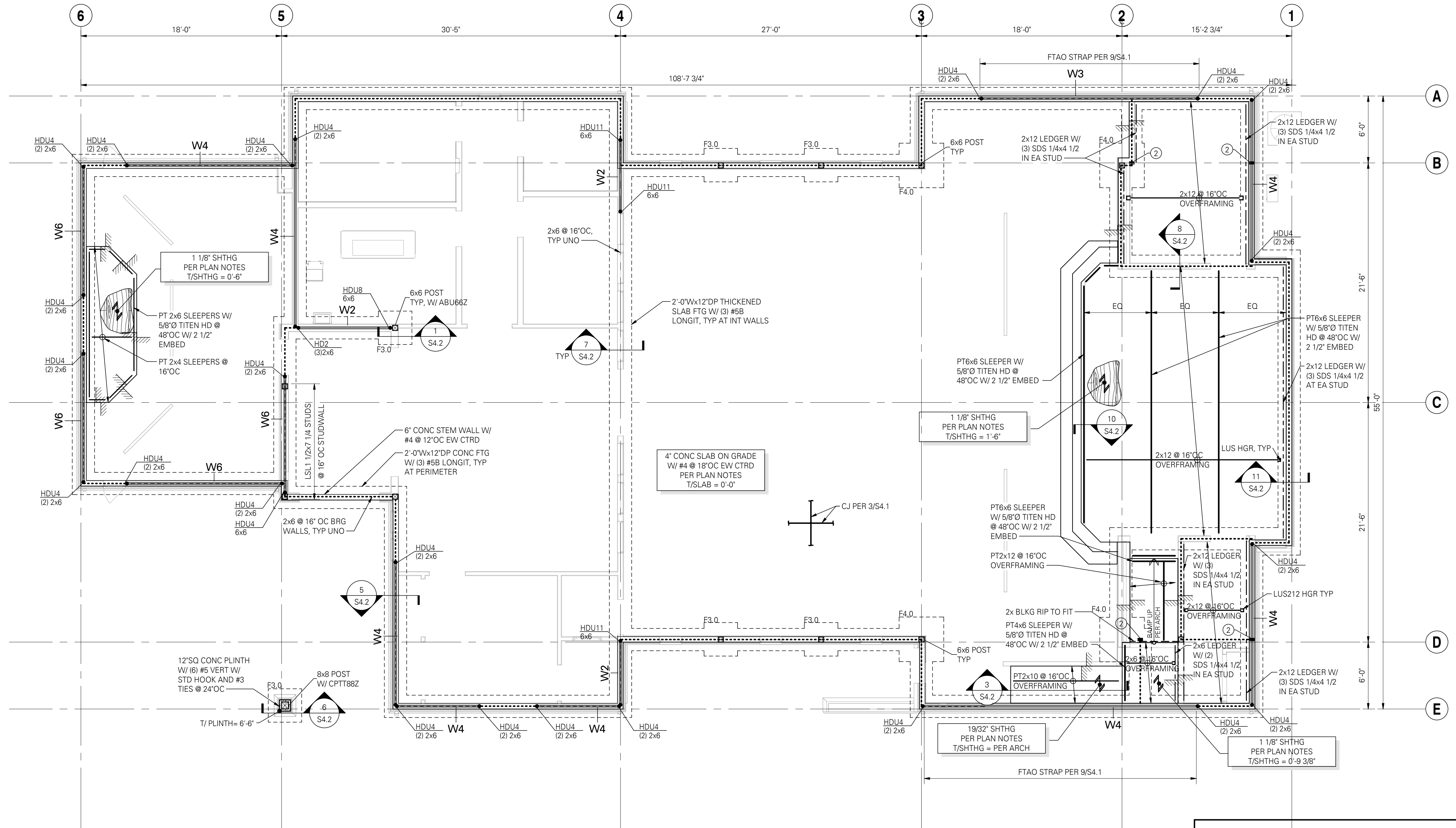


3 CHAPEL WINDOW TRIM & MUNTIN
1" = 1'-0"



1 TYP. EXTERIOR TRIM & MUNTIN
1" = 1'-0"

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FOUNDATION PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1, S1.2 AND S1.3.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL LOCATE AND VERIFY THE FOLLOWING WITH OTHERS PRIOR TO POURING CONCRETE: ALL DOOR OPENINGS IN FOUNDATION WALLS; DRAINS AND SLOPES; BLOCKOUTS FOR PLUMBING, SPRINKLERS AND HVAC. ALL DUCTS, CHASES AND PIPES PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
- TOP OF SLAB (T/SLAB) ELEVATION ASSUMED 0'-0". FOR ACTUAL T/SLAB ELEVATION REFER TO CIVIL AND ARCHITECTURAL DRAWINGS. PROVIDE 6 MIL VAPOR BARRIER BELOW SLAB AT INTERIOR SPACES. PROVIDE FREE-DRAINING GRANULAR FILL PER GEOTECH REPORT.
- TYPICAL TOP OF INTERIOR (I/INTERIOR) FOOTING ELEVATION = 0'-0", UNO. TYPICAL TOP OF EXTERIOR (E/EXTERIOR) FOOTING ELEVATION = -1'-8", UNO.
- OVER EXCAVATE ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL, IMPROVED SOIL PER GEOTECH REPORT. SUBGRADE PREPARATION, STRUCTURAL FILL, DRAINAGE SYSTEM, AND OTHER REQUIREMENTS PER GEOTECH REPORT AS NOTED IN THE STRUCTURAL GENERAL NOTES.
- CJ INDICATES CONTROL JOINT PER PLAN.

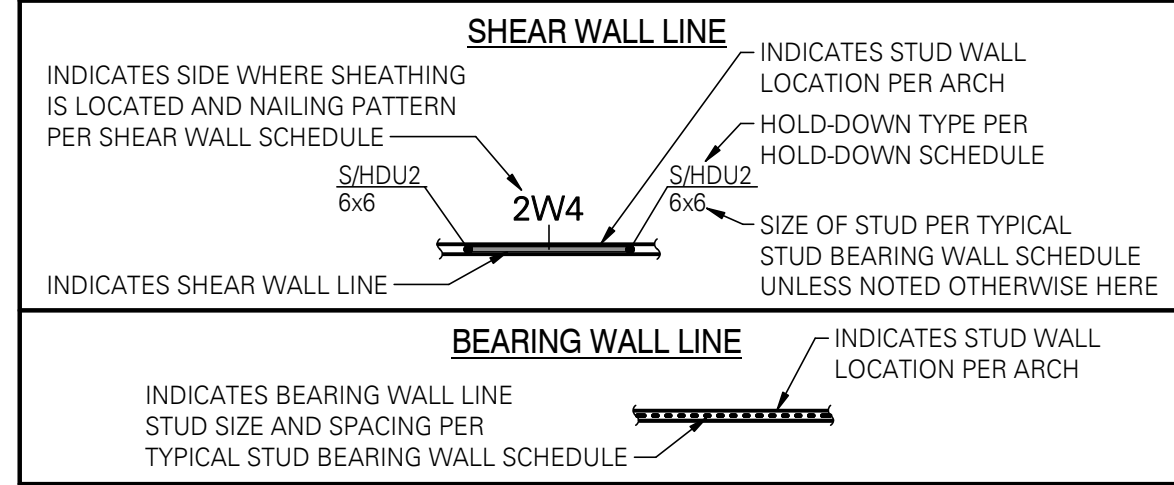
- TYPICAL DETAILS PER:**
- 1/54.1 TYPICAL LAP SPLICE SCHEDULE
 - 2/54.1 STANDARD HOOKS AND BAR BENDS
 - 3/54.1 TYPICAL SLAB ON GRADE JOINT DETAILS WITH REINFORCING
 - 4/54.1 PLAN - TYPICAL CORNER REINFORCING AT CONCRETE WALLS
 - 5/54.1 PLAN - TYPICAL CORNER REINFORCING AT CONCRETE FOOTINGS
 - 6/54.1 TYPICAL PIPE AND TRENCH LOCATIONS AT CONCRETE STEMWALL/ FOOTING

STUD AND SHEAR WALL PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1, S1.2 AND S1.3.
- LUMBER GRADE PER STRUCTURAL GENERAL NOTES.
- BALLOON FRAME ALL WALLS GREATER THAN ONE LEVEL 10'-0" WITH (2) 2x @ 16" OC.
- ALL INTERIOR NON-BEARING, NON-STRUCTURAL WALL STUD REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
- HEADERS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (1) TRIMMER AND (1) KING STUD MINIMUM, UNO. WHERE MORE THAN (1) TRIMMER IS REQUIRED, THE NUMBER OF TRIMMER STUDS SHALL BE NOTED THUS: (2). TRIMMERS TO BE CONTINUOUS TO THE FOUNDATION. BLOCK SOLID AT FLOOR FRAMING.
- BEAMS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (2) BUNDLED STUDS MINIMUM, UNO. WHERE MORE THAN (2) BUNDLED STUDS ARE REQUIRED, THE NUMBER OF BUNDLED STUDS SHALL BE NOTED THUS: (3). BUNDLED STUDS TO BE CONTINUOUS TO THE FOUNDATION. BLOCK SOLID AT FLOOR FRAMING.
- SHEAR WALL AND NAILING REQUIREMENTS PER SHEAR WALL SCHEDULE 6/55.3.
- ALL EXTERIOR WALLS REQUIRING WOOD SHEATHING PER THE ARCHITECT SHALL BE SHEAR WALL TYPE **W6** UNO.
- AT STAGGERED STUD WALLS, BUNDLED STUDS, TRIMMER STUDS, KING STUDS AND SHEAR WALL COMPRESSION STUDS ARE TO MATCH THE WIDTH OF THE WALL PLATES.

- INDICATES HOLD-DOWN TYPE PER HOLD-DOWN SCHEDULE 10/55.3.
- TYPICAL HOLD-DOWN ELEVATION PER 1/55.3
- ANCHOR BOLTS TO BE 5/8" DIA x 7" MINIMUM EMBEDMENT PER 1/55.3. PROVIDE HOT-DIPPED GALVANIZED ANCHOR BOLTS AT PRESSURE-TREATED SILL PLATES.
- TYPICAL DETAILS PER:
 - 9/54.1 SHEAR WALL FTAO STRAP
 - 5/55.1 NON-STRUCTURAL PARTITION WALL PARALLEL TO ROOF FRAMING
 - 6/55.1 NON-STRUCTURAL PARTITION WALL PERPENDICULAR TO ROOF FRAMING
 - 1/55.2 TYPICAL HEADER
 - 2/55.2 TYPICAL ANCHOR BOLT SCHEDULE
 - 3/55.2 TYPICAL NOTCHES AT TOP PLATE
 - 5/55.2 TYPICAL NAILING FOR BUNDLED STUDS
 - 6/55.2 TYPICAL LAP SPLICE DETAIL
 - 8/55.2 TYPICAL HOLES AND NOTCHES IN WOOD STUDS
 - 10/55.2 PLAN - TYPICAL FLOOR AND ROOF SHEATHING ATTACHMENT
 - 11/55.2 TYPICAL BUILT-UP 2x HEADER OR BEAM
 - 5/55.3 TYPICAL SHEAR WALL ELEVATION
 - 8/55.3 PLAN - INTERSECTING SHEAR WALLS

BEARING/SHEAR WALL LINE KEY

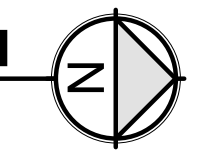


SPREAD FOOTING SCHEDULE ANSI

MARK	SIZE			REINFORCING	COMMENTS
	LENGTH	WIDTH	DEPTH		
F3.0	3'-0"	3'-0"	1'-0"	(3) #5B EW	
F4.0	4'-0"	4'-0"	1'-0"	(3) #5B EW	

FOUNDATION PLAN

SCALE: 3/16" = 1'-0"



FOR PERMIT
 The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DC Engineers.

PROJECT NO.: 23031-0219

HOLY TRINITY CATHOLIC CHURCH

335 OREGON AVE. SE
 BASTON, OREGON 97411

75% CONSTRUCTION DOCS

DATE: APRIL 2024

SHEET TITLE:
STRUCTURAL FOUNDATION PLAN

S2.1

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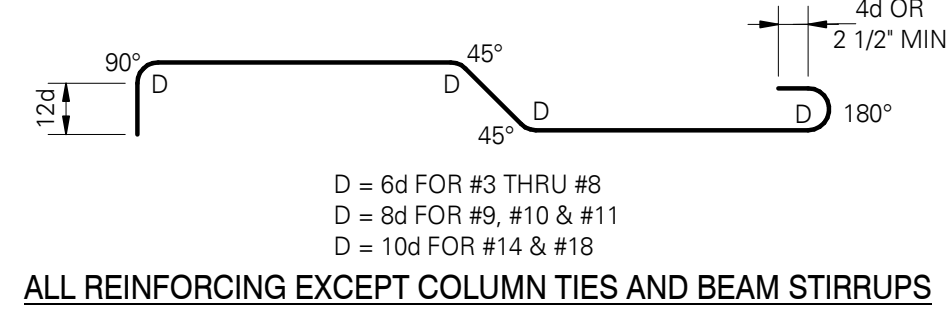
D1400 BAR SIZE	GRADE 60 REINFORCING				HOOKED BARS
	MISCELLANEOUS BARS		TOP BARS (see note #5)		
	Ld	Splice	Ld	Splice	Ldh
$f'c = 3000\text{psi}$					
#4	22	29	29	38	12
#5	28	36	36	47	16
$f'c = 4000\text{psi}$					
#3	15	19	19	25	6
#4	19	25	25	33	6
#5	24	31	31	41	8
#6	29	37	37	49	10
#7	42	54	54	71	13
#8	48	62	62	81	15
#9	54	70	70	91	18
#10	61	79	79	102	22
#11	67	87	87	114	26
#14	81	N/A	105	N/A	33
#18	108	N/A	140	N/A	51

NOTES:

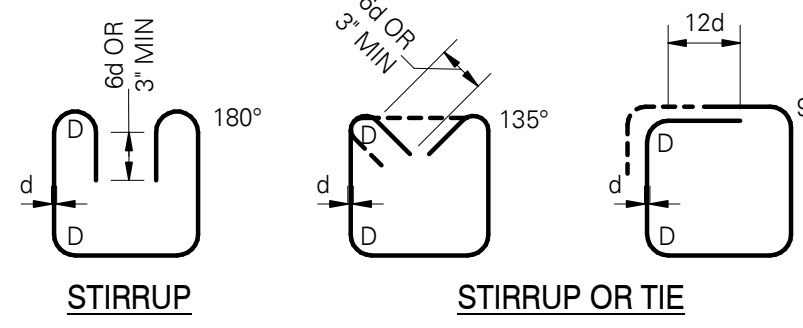
- ALL TABULATED VALUES ARE IN INCHES.
- VALUES FOR UNCOATED REINFORCING AND NORMAL WEIGHT CONCRETE CALCULATED PER ACI 318-19 SECTION 25.4.2.4. CALCULATIONS ASSUME THAT $(Cb+K)/db = 1.5$, WITH CLEAR SPACING $> db$, CLEAR COVER $> db$ AND MINIMUM STIRRUPS OR TIES THROUGHOUT Ld OR CLEAR SPACING $> 2db$ AND CLEAR COVER $> db$.
- DEVELOP ALL REINFORCING IN STRUCTURAL SLABS WITH MINIMUM DEVELOPMENT LENGTH Ld.
- Ldh = DEVELOPMENT LENGTH OF BAR WITH STANDARD HOOK.
- TOP BAR = HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE BELOW OR AS NOTED ON DOCUMENTS AS 'TOP BAR'.
- LAP SPLICE OF DIFFERENT SIZED BARS TO BE THE LARGER OF Ld OF THE LARGER BAR OR SPLICE LENGTH OF THE SMALLER BAR.

1 TYPICAL LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE

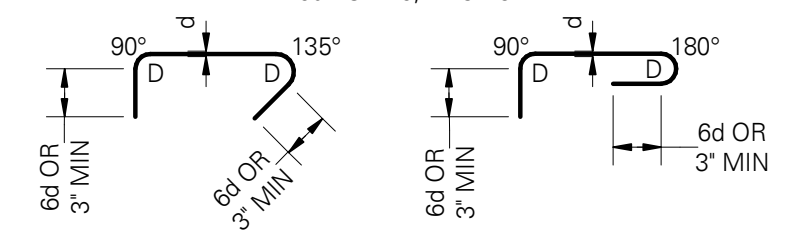
SCALE: 3/4" = 1'-0" (01400 & 1403B)



ALL REINFORCING EXCEPT COLUMN TIES AND BEAM STIRRUPS



STIRRUP OR TIE



BEAM OR COLUMN CROSSTIES

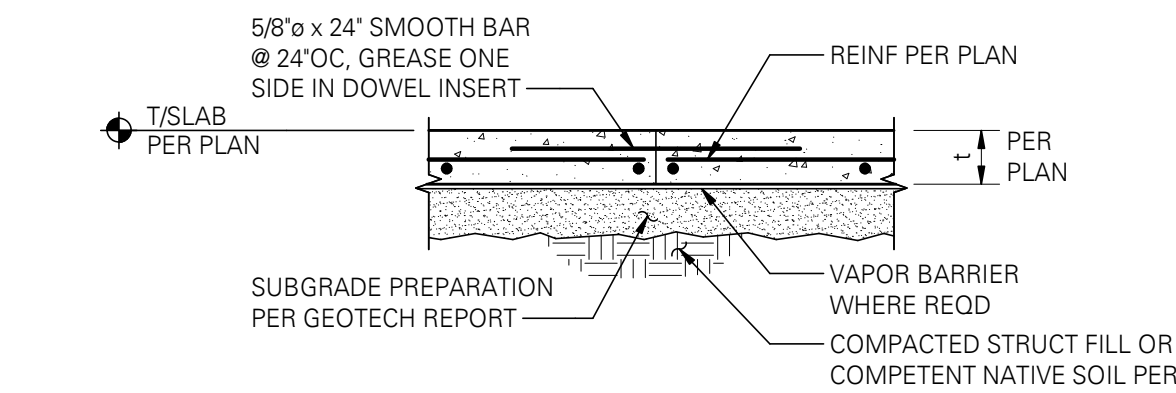
BEAM STIRRUPS AND COLUMN TIES

NOTE:

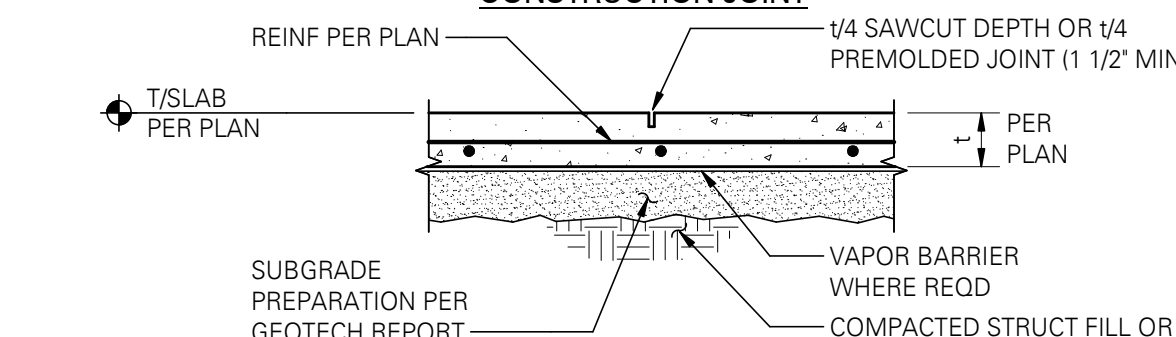
TIES AND CROSSTIES FOR SHEAR WALL BOUNDARY ELEMENTS SHALL BE DETAILED AS COLUMN TIES/CROSSTIES.

2 STANDARD HOOKS AND BENDS

SCALE: 3/4" = 1'-0" (03400)



CONSTRUCTION JOINT

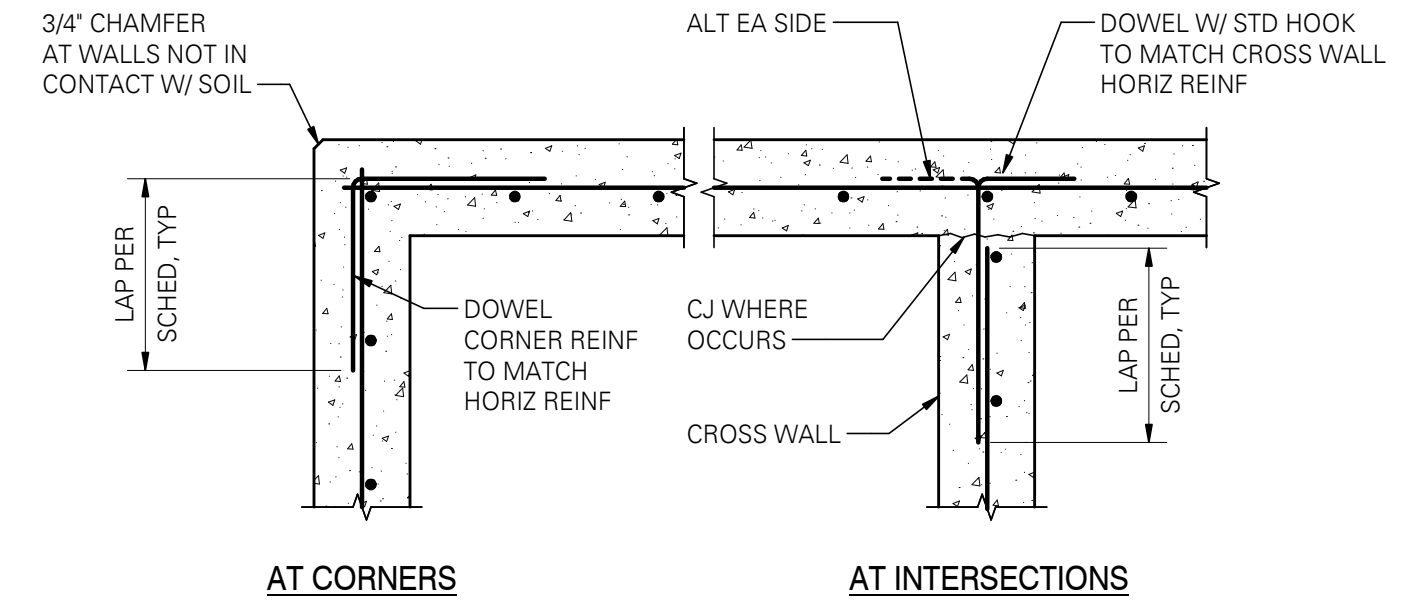


CONTROL JOINT

- NOTES:**
- CONSTRUCTION JOINT IS A JOINT BETWEEN DIFFERENT POURS. CONTROL JOINT IS A CRACK CONTROL JOINT WITHIN THE SAME POUR.
 - USE 'EARLY ENTRY DRY-CUT SAW' AS SOON AS POSSIBLE WITHOUT CAUSING RAVELING OF CONCRETE EDGES. SAWCUT ALONG SHORT DIRECTION OF POUR FIRST.
 - ALIGN A CONSTRUCTION OR CONTROL JOINT WITH RE-ENTRANT SLAB CORNERS, EACH WAY, TYPICAL.
 - CONSTRUCTION/CONTROL JOINT TO ENCLOSE APPROXIMATE SQUARE AREAS 225 SQUARE FEET MAXIMUM, WITH MAXIMUM PANEL ASPECT RATIO OF 1.3 TO 1.0.
 - CONTRACTOR TO SUBMIT CONSTRUCTION/CONTROL JOINT PLAN TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW/APPROVAL.

3 TYPICAL SLAB ON GRADE JOINT DETAILS WITH REINFORCING

SCALE: 3/4" = 1'-0" (03201)



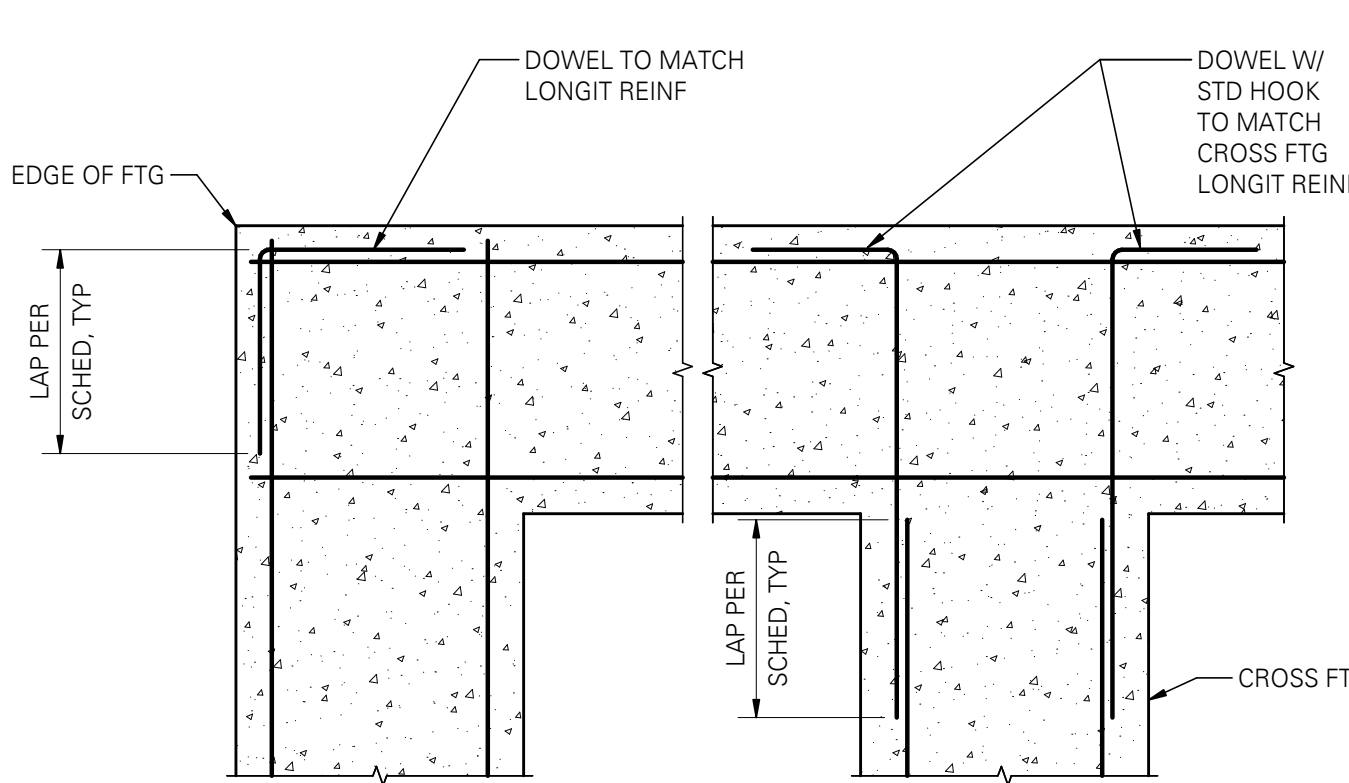
AT CORNERS AT INTERSECTIONS

NOTES:

- SPLICE LENGTHS PER LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE.
- WALL REINFORCING PER PLAN OR ELEVATIONS, SECTIONS AND DETAILS.
- AT FOOTINGS AND STEMWALLS, CORNER REINFORCING TO MATCH FOOTING AND STEMWALL HORIZONTAL REINFORCING.

4 PLAN - TYPICAL CORNER REINFORCING AT CONCRETE WALLS

SCALE: 3/4" = 1'-0" (03402)



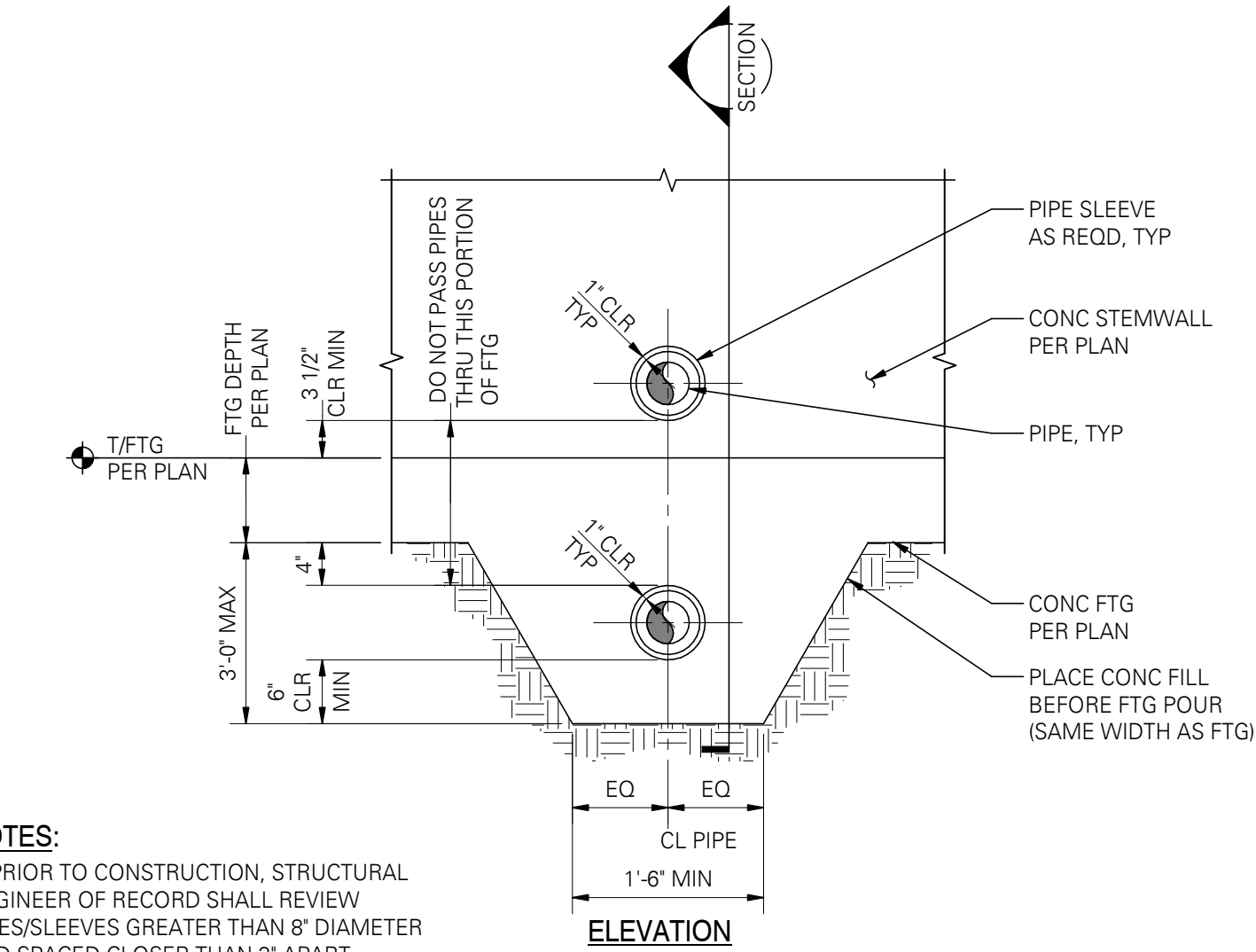
AT CORNERS AT INTERSECTIONS

NOTE:

- SPLICE LENGTHS PER LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE.
- FOOTING REINFORCING PER PLAN OR ELEVATIONS, SECTIONS AND DETAILS.

5 PLAN - TYPICAL CORNER REINFORCING AT CONCRETE FOOTINGS

SCALE: 3/4" = 1'-0" (03132)

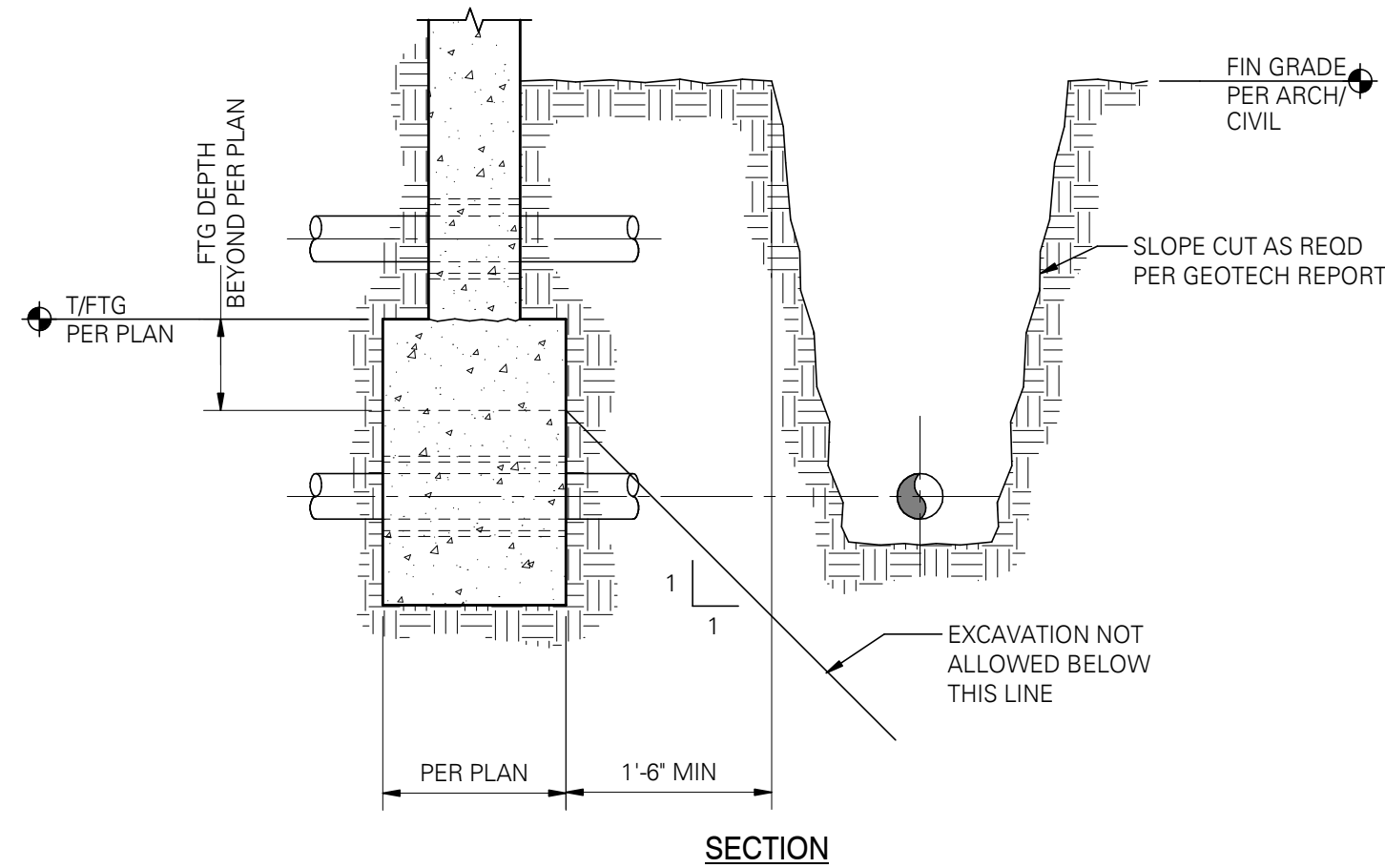


NOTES:

- PRIOR TO CONSTRUCTION, STRUCTURAL ENGINEER OF RECORD SHALL REVIEW PIPES/SLEEVES GREATER THAN 8" DIAMETER AND SPACED CLOSER THAN 3' APART.
- ALUMINUM MATERIALS SHALL NOT BE EMBEDDED IN CONCRETE.

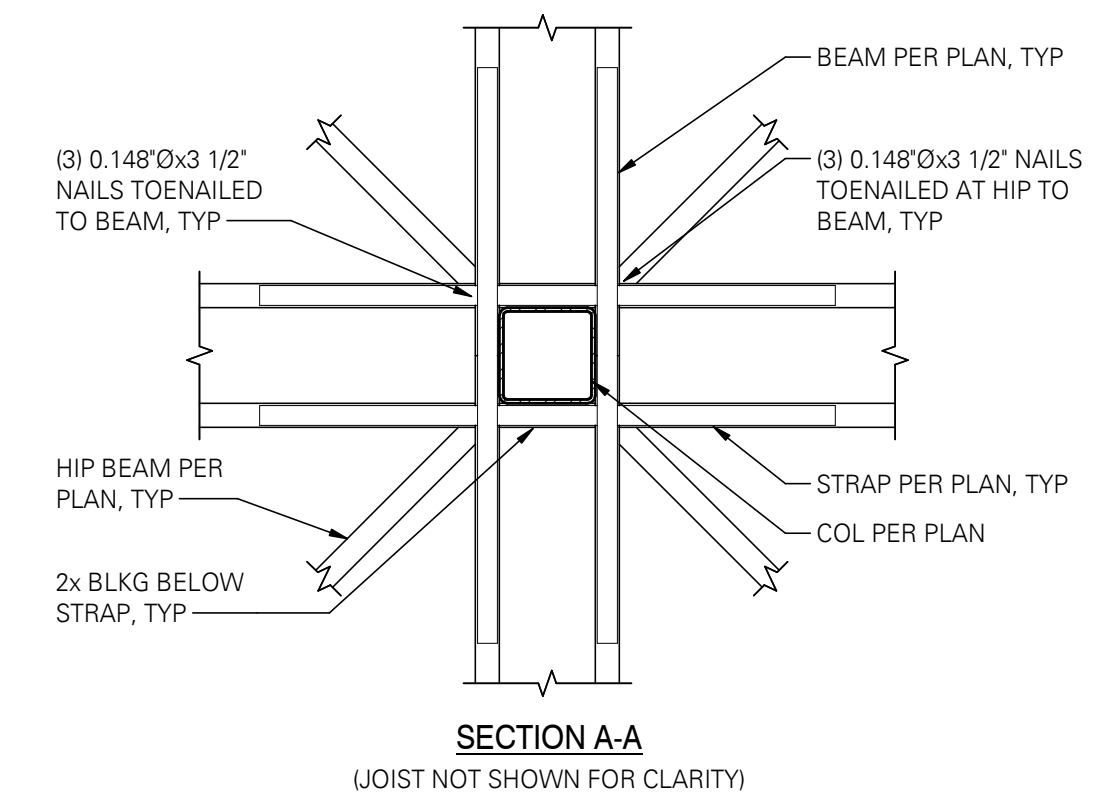
6 TYPICAL PIPE AND TRENCH LOCATIONS AT CONCRETE STEMWALL/FOOTING

SCALE: 3/4" = 1'-0" (03190)

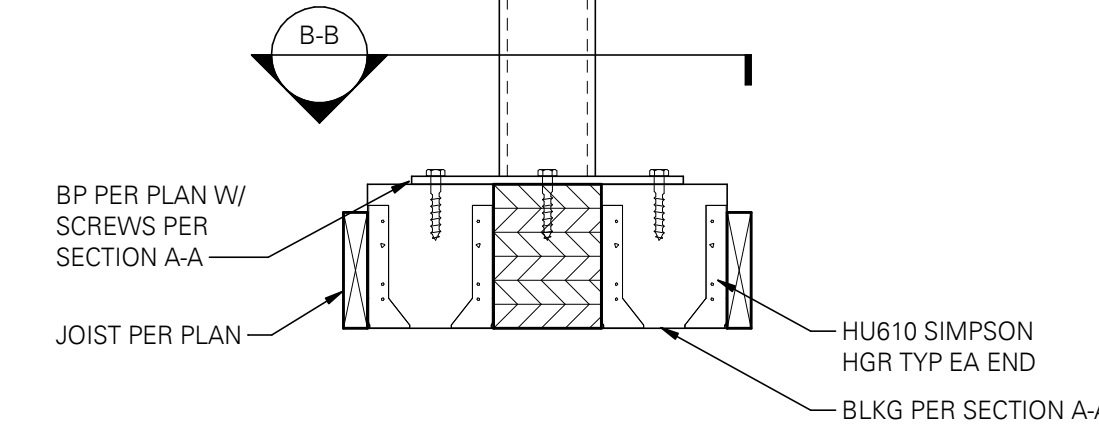
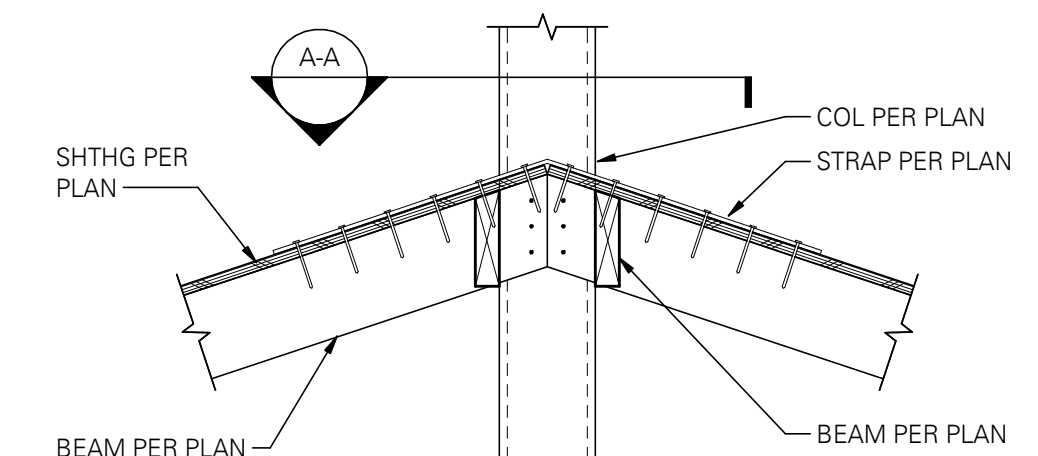


STRAP	FASTENERS (1)		CAPACITY
	STRAP ENDS (2)	BALANCE	
CS16	(2) 0.131"Øx2 1/2" NAILS IN (2) ROWS @ 4 1/8"OC	(2) ROWS OF 0.131"Øx2 1/2" NAILS @ 8 1/4"OC	1.7k

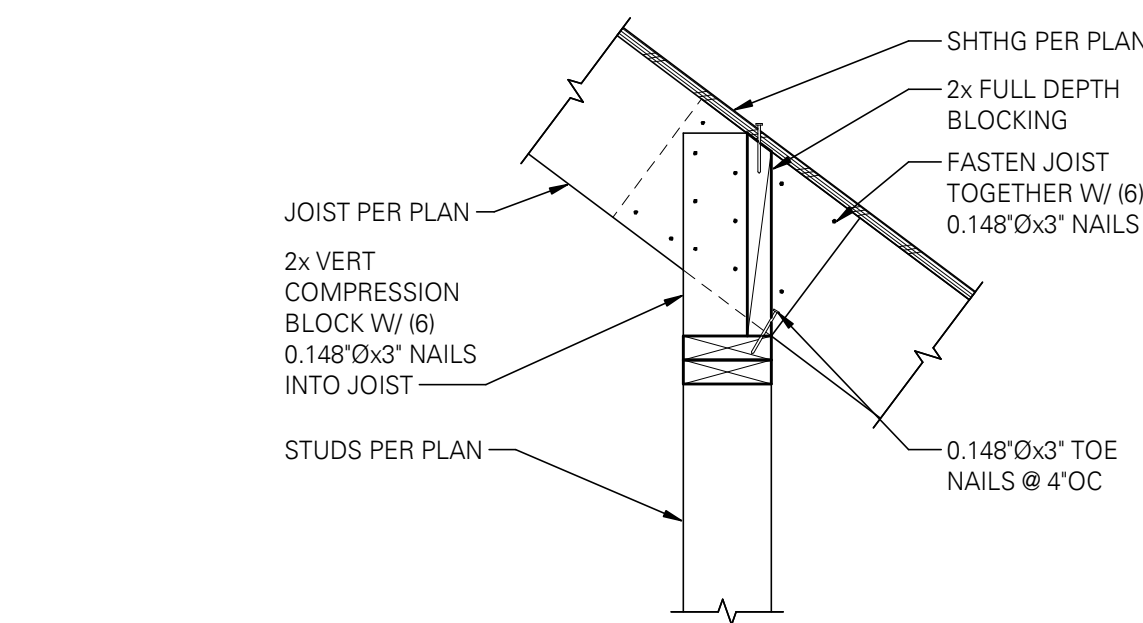
- NOTES:**
- ROWS SHALL BE 1/2" MINIMUM APART, STAGGERED NAILS.
 - PLACE HALF OF THE REQUIRED NAILS AT EACH END OF STRAP.



SECTION A-A (JOIST NOT SHOWN FOR CLARITY)

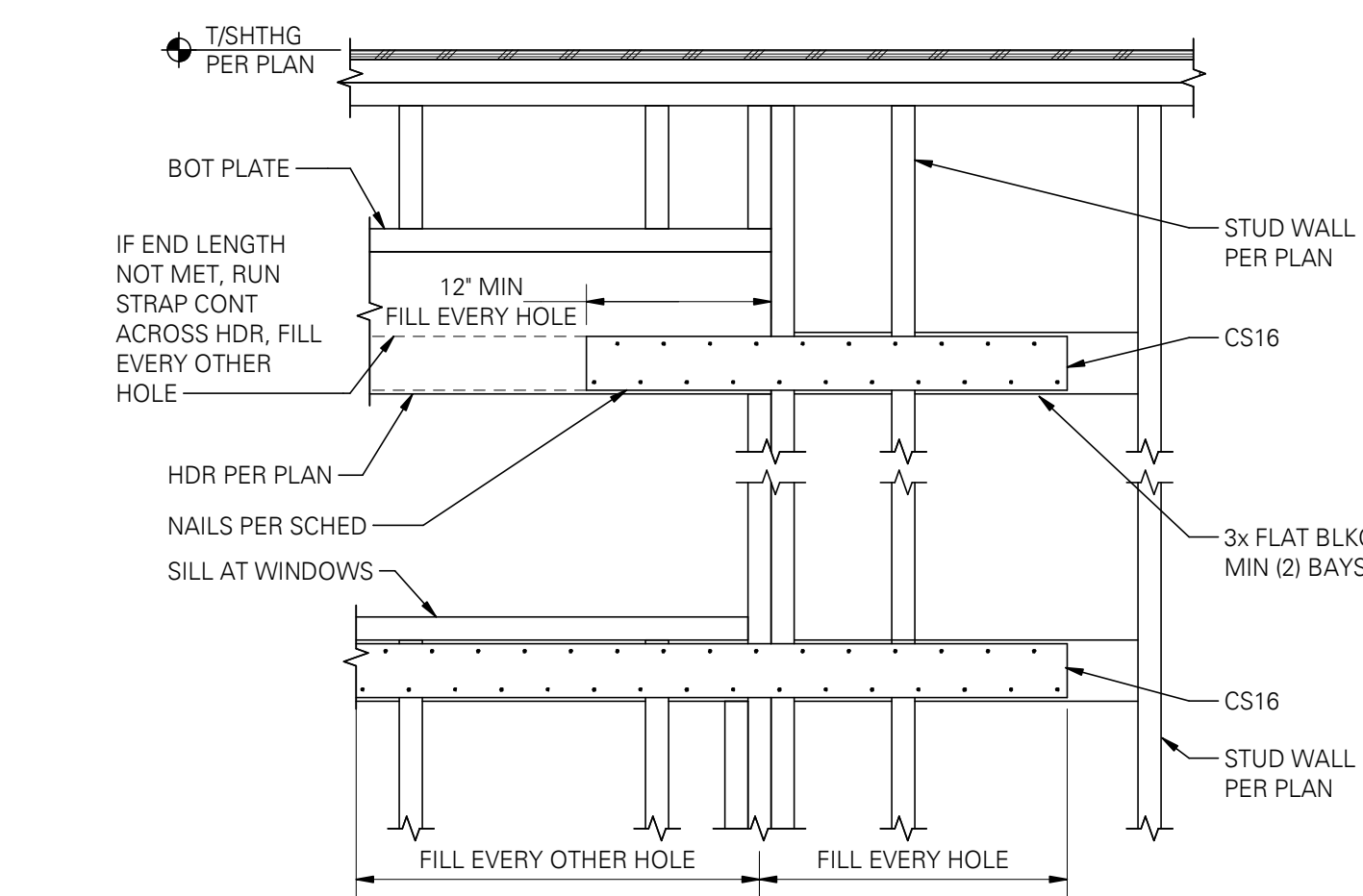


SECTION B-B (JOIST NOT SHOWN FOR CLARITY)



9 INTERIOR BEARING WALL AT ROOF

SCALE: 1" = 1'-0"



10 SHEAR WALL FTAO STRAP

SCALE: 1" = 1'-0" (06210M)

12 TOWER ROOF FRAMING

SCALE: 1" = 1'-0"