



REQUEST FOR TENDER No. 20-062

Meadowood Community Centre Construction

**Addendum 1 (7 pages)
Issued: November 12, 2020**

Closing Date & Time: on or before 3:00 PM Pacific Time on November 25, 2020

This addendum shall be read in conjunction with and considered as an integral part of the Request for Tender. Revisions supersede the information contained in the original Tender or previously issued Addendum. No consideration will be allowed for any extras due to any Vendor not being familiar with the contents of this Addendum. All other terms and conditions remain the same.

Addendum to add Structural Drawings (6 pages) to the specification package.

End of Addendum 1

GENERAL HEL-001

- 1. ALL DESIGN HAS BEEN COMPLETED IN ACCORDANCE WITH THE 2018 EDITION OF THE BRITISH COLUMBIA BUILDING CODE, INCLUDING ALL ADDENDA.
2. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH THE 2018 EDITION OF THE BRITISH COLUMBIA BUILDING CODE, INCLUDING ALL ADDENDA, ALL REFERENCED CODES AND ALL FEDERAL AND MUNICIPAL REGULATIONS AND BY-LAWS.
3. ALL REFERENCED CODES AND STANDARDS SHALL BE AS REFERENCED IN THE 2018 EDITION OF THE BRITISH COLUMBIA BUILDING CODE.
4. DESIGN CRITERIA: kPa (psf)

Table with columns for SNOW LOADS, WIND LOADS, SITE CLASS, SEISMIC LOADS, SPECTRAL ACCELERATION, SPECIFIED MEZZANINE FLOOR LOADING, SPECIFIED CANOPY ROOF LOADING, and DEFLECTION CRITERA.

SPECIFIED LOADS SHOWN ON PLAN DO NOT INCLUDE ANY IMPORTANCE FACTOR.

- 5. THESE DRAWINGS INCLUDING DIMENSIONS SHALL BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE STRUCTURAL ENGINEER FOR CLARIFICATION PRIOR TO COMMENCING CONSTRUCTION.
6. THESE DRAWINGS SHOW THE COMPLETED STRUCTURE ONLY. PROVIDE TEMPORARY BRACING AND SHORING FOR THE CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO DESIGN AND TAKE RESPONSIBILITY FOR ANY TEMPORARY SHORING, BRACING OR OTHER DESIGNS REQUIRED TO COMPLETE CONSTRUCTION.
8. THE CONTRACTOR SHALL SUBMIT WRITTEN RECOMMENDATIONS FOR FLATWORK PERFORMED DURING COLD (BELOW +5°C) AND HOT (ABOVE +25°C) WEATHER.
9. UNDER NO CIRCUMSTANCES SHALL DRAWINGS BE SCALED.
10. CONTRACTOR AND ALL SUB-TRADES SHALL VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING FABRICATION.

REFERENCE PUBLICATIONS HEL-002

THESE DRAWINGS REFER TO THE FOLLOWING PUBLICATIONS, AND WHERE SUCH REFERENCE IS MADE, IT SHALL BE TO THE EDITION LISTED BELOW, INCLUDING ALL AMENDMENTS PUBLISHED THERE TO.

Table listing various standards and codes such as ACI SP-4-2005, ANSI/APA PRG 320-2012, ASTM 653/A653M-11, etc.

SUBMITTALS HEL-003

- 1. WHERE SHOP DRAWINGS ARE REQUESTED IN THE GENERAL NOTES THE CONTRACTOR SHALL PROVIDE THEM IN EITHER HARD COPY OR DIGITAL FORMAT TO THE FOLLOWING REQUIREMENTS FOR THE ENGINEER'S REVIEW PRIOR TO FABRICATION.
2. IF HARD COPY FORMAT IS USED FIVE PAPER COPIES SHALL BE SUBMITTED, UNLESS NOTED OTHERWISE THEY SHALL BE SIGNED AND SEALED BY A SPECIALTY ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA.
3. DRAWINGS NOT SEALED BY THE SPECIALTY ENGINEER SHALL BE ACCOMPANIED BY A LETTER WITH A DRAWING LIST IDENTIFYING ALL DRAWING NUMBERS, TITLES, MOST RECENT REVISION NUMBERS AND DATES.
4. IF A DIGITAL SUBMISSION IS MADE THE FILES SHALL BE IN PDF FORMAT ON A DISC OR TRANSMITTED VIA E-MAIL.
5. THE FOLLOWING SUBMISSIONS ARE REQUIRED FOR THIS PROJECT:
6. SHOP DRAWINGS WHICH ARE REQUIRED TO, BUT DO NOT HAVE THE APPROPRIATE ENGINEERS SEAL AND SIGNATURE WILL NOT BE REVIEWED.
7. SHOP DRAWINGS WILL BE REVIEWED ONLY FOR GENERAL CONFORMITY WITH THE PROJECT DRAWINGS AND SPECIFICATIONS.
8. SHOP DRAWING SUBMISSIONS FOR THE WORK OF SPECIALTY ENGINEERS SHALL BE AS SET OUT IN THIS SECTION.
9. THE QUALITY ASSURANCE FOR MATERIALS, FABRICATION AND INSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR AND HIS SPECIALTY ENGINEER.
10. THE SPECIALTY ENGINEER OR HIS REPRESENTATIVE SHALL VISIT THE SITE AND REVIEW THE COMPLETED WORK DESIGNED AND DETAILED ON HIS SHOP DRAWINGS TO SATISFY HIMSELF THAT THE FINISHED COMPONENTS AND ASSEMBLIES ARE IN COMPLIANCE WITH THE ENGINEERED DESIGN.

FIELD REVIEWS HEL-005

- 1. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A MINIMUM OF 48 HOURS (2 WORKING DAYS) ADVANCE NOTICE FOR FIELD REVIEWS.
2. THE FOLLOWING FIELD REVIEWS ARE CONSIDERED TO BE THE MINIMUM NUMBER OF STRUCTURAL FIELD REVIEWS REQUIRED FOR THE PROJECT:
3. IF THE ENGINEER IS NOT PROVIDED WITH THE OPPORTUNITY TO PERFORM THE REQUIRED FIELD REVIEWS, FINAL CERTIFICATION OF THE PROJECT WILL NOT BE ISSUED.

MECHANICAL AND ADHESIVE ANCHORS HEL-046

- 1. ALL ANCHORS ARE TO BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION, AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. ALL ANCHORS ARE TO BE THE ADHESIVE TYPE. MECHANICAL ANCHORS ARE ONLY TO BE USED WHEN SPECIFICALLY CALLED-UP ON THE DRAWINGS.
3. UNLESS NOTED OTHERWISE ADHESIVE ANCHORS SHALL BE ASTM F1554 GRADE 36 THREADED ROD.

USE HILTI HIT-HY200 WHEN: A QUICK CURE IS REQUIRED, CONDITIONS ARE DRY, OR SATURATED HOLES ARE HAMMER DRILLED. HOLES ARE NOT OVER-SIZED. BASE MATERIAL TEMPERATURE IS ABOVE MINUS 10° CELSIUS.

NOTE: CONCRETE THAT HAS BEEN EXPOSED TO WATER IN THE PRECEEDING 14 DAYS IS ASSUMED TO BE SATURATED.

USE HILTI HIT R500-V3 WHEN: EXTENDED WORKING TIME IS REQUIRED AND CURE TIME IS NOT CRITICAL. HOLES ARE DRILLED USING DIAMOND CORE, PNEUMATIC OR HAMMER DRILLS, DEEP EMBEDMENT IS SPECIFIED, THE APPLICATION IS UNDERWATER, OR HOLES ARE OVERSIZED.

- 4. REFER TO DRAWINGS FOR MECHANICAL ANCHOR LOCATIONS, SIZES, CENTRES AND EMBEDMENT LENGTH.
5. HOLES FOR MECHANICAL ANCHORS SHALL BE CLEANED OUT WITH HIGH PRESSURE AIR OR BRUSH PRIOR TO ANCHOR INSTALLATION.
6. INSTALLERS OF HILTI PRODUCTS SHALL HAVE RECEIVED TRAINING BY HILTI (CANADA) CORP.
7. ALL ADHESIVE ANCHORS ARE TO HAVE A PERIODIC SPECIAL INSPECTION PERFORMED IN ACCORDANCE WITH ACI 308.4.

FOUNDATIONS HEL-006

- 1. REFER TO GEOTECHNICAL REPORT PREPARED BY: LEWKOWICH ENGINEERING ASSOCIATES SEPTEMBER 3, 2015
2. DESIGN VALUES: FACTORED BEARING RESISTANCE BEARING PRESSURE FOR SETTLEMENT
3. CENTRE ALL FOOTINGS UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
4. FOUNDATION BEARING MATERIAL SHALL BE PROTECTED FROM RAIN, FROST, SNOW AND WATER INFILTRATION.
5. FOOTING DEPTHS INDICATED ON THE DRAWINGS AND IN GEOTECHNICAL REPORT ARE GENERAL AND REPRESENT MINIMUM VALUES TO BE USED.
6. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF FOUNDATIONS WITH UNDERGROUND SERVICES AS SHOWN ON CIVIL, MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS.
7. UNLESS NOTED OTHERWISE, THE MINIMUM ASSUMED COMPACTION UNDER ALL FOOTINGS AND SLABS FOR COMPACTED GRANULAR FILLS IS 98% CORRECTED STANDARD PROCTOR DENSITY.
8. THE BASE COURSE BELOW SLABS ON GRADE SHALL BE COMPOSED OF INERT, CLEAN, TOUGH, DURABLE CRUSHED AGGREGATE, UNDO AND FREE FROM SOFT OR DISINTEGRATED PIECES.

Table with columns for SIEVE SIZE (US STD.), 25mm, 19, 9.5, 4.75, 2.36, 1.18, 0.3, 0.075, and % PASSING BY WEIGHT.

PRE-ENGINEERED STEEL BUILDINGS HEL-045

- 1. FOUNDATIONS HAVE BEEN DESIGNED AS PER LOADS PROVIDED BY PRE-ENG MANUFACTURER JOB NO. -----
2. THE PRE-ENGINEERED STEEL BUILDING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO THE SITE SPECIFIC DESIGN CRITERIA FOR THE PROJECT.
3. THE BUILDING MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AS SPECIFIED UNDER 'SUBMITTALS' TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO FABRICATION.
4. UPON COMPLETION THE PRE-ENGINEERED STEEL BUILDING SHALL BE INSPECTED BY A PROFESSIONAL ENGINEER REGISTERED IN BRITISH COLUMBIA.
5. THE CONTRACTOR SHALL CONFIRM THE FOLLOWING WITH THE STEEL BUILDING SUPPLIERS SHOP DRAWINGS PRIOR TO POURING CONCRETE:
6. VERIFY ALL DIMENSIONS WITH PRE-ENGINEERED STEEL BUILDING SHOP DRAWINGS, AS ISSUED FOR CONSTRUCTION, AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
7. CONFIRM ALL DOOR OPENING SIZES AND LOCATIONS WITH THE CLIENT PRIOR TO CONSTRUCTION.
8. GROUT BELOW BASEPLATES TO BE 48 MPa (7000 psf) AT 28 DAYS.

REINFORCING STEEL HEL-014

- 1. REINFORCING STEEL SHALL BE DEFORMED STEEL REINFORCING STEEL 400 GRADE AND SHALL CONFORM TO CAN/CSA-G30.18
2. WELDABLE LOW ALLOY DEFORMED STEEL REINFORCING BARS, GRADE 400W, SHALL CONFORM TO CAN/CSA-G30.18. MILL CERTIFICATES SHALL BE SUPPLIED TO THE STRUCTURAL ENGINEER FOR ALL WELDABLE REINFORCING STEEL USED IN THE PROJECT.
3. WELDED WIRE FABRIC, DEFORMED, SHALL CONFORM TO ASTM 1064/1064M OR ASTM A497/A497M.
4. WELDING OF REINFORCING STEEL SHALL CONFORM TO CSA W186-M "WELDING OF REINFORCING BARS IN REINFORCED CONCRETE CONSTRUCTION".
5. ALL REINFORCING BARS SHALL BE TIED SECURELY TO PREVENT DISPLACEMENT.
6. UNLESS NOTED OTHERWISE ON PLANS, LAP LENGTHS FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

Table for REINFORCING BAR LAP LENGTHS showing CONCRETE MPa and BAR SIZE (10M, 15M, 20M, 25M, 30M, 35M) with corresponding lap lengths.

- 7. NO SPLICES OTHER THAN THOSE NOTED ON THE DRAWINGS ARE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
8. WHERE CONCRETE SURFACES ARE TO BE EXPOSED ONLY NON-CORROSIVE TYPE REINFORCING CHAIRS SHALL BE USED TO SUPPORT THE REINFORCING STEEL.
9. DOWELS ARE TO BE TIED IN PLACE PRIOR TO POURING CONCRETE - "WET DOWELING" OF ANY REINFORCING STEEL IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
10. HOOKS ON ALL TIES SHALL BE BENT AT LEAST 135° AND HAVE A MINIMUM LEG OF 6 TIMES THE TIE BAR DIAMETER.
11. PROVIDE CORNER BARS TO MATCH HORIZONTAL WALL REINFORCEMENT.
12. ALL VERTICAL REINFORCING TO FOUNDATION WALLS AND PIERS SHALL HAVE A STANDARD HOOK AND BE EMBEDDED IN THE FOOTING.
13. ALL BARS SHALL BE BENT AT TEMPERATURES GREATER THAN 10°C.
14. NO BARS WHICH ARE PARTIALLY EMBEDDED IN CONCRETE SHALL BE FIELD BENT EXCEPT AS SHOWN ON THE DRAWINGS OR APPROVED IN WRITING BY THE PROJECT STRUCTURAL ENGINEER.

CAST-IN-PLACE CONCRETE HEL-015

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF CSA A23.1 AND A23.2.
2. CONCRETE MIXES, AGGREGATES AND CEMENTITIOUS MATERIALS, INCLUDING PORTLAND CEMENT AND PORTLAND LIMESTONE CEMENT, SHALL CONFORM TO CAN/CSA A23.1 AND A23.2 AND CAN/CSA-A3000 AND SHALL HAVE THE FOLLOWING PROPERTIES BASED UPON PERFORMANCE CRITERIA PROPORTIONING:

Table for CONCRETE PROPERTIES showing CLASS, EXPOSURE, MAX AGGREGATE SIZE, FOOTINGS, FOUNDATION WALLS & PIERS, EXT. SLAB ON GRADE, INT. SLAB ON GRADE.

- 3. PORTLAND LIMESTONE CEMENT (PLC) SHALL MEET THE REQUIREMENTS OF CSA A3000 FOR LIMESTONE CEMENTS.
4. CONCRETE TESTING SHALL BE CARRIED OUT BY THE CONTRACTOR AND PAID FOR BY THE OWNER AND SHALL BE IN ACCORDANCE WITH CAN/CSA A23.1 AND A23.2.
5. CHAMFER ALL EXPOSED EDGES OF CONCRETE WITH A 19mm (3/4") CHAMFER UNLESS NOTED OTHERWISE.
6. CONCRETE FINISHES SHALL BE IN ACCORDANCE WITH CAN/CSA A23.1 AND AS FOLLOWS UNLESS NOTED OTHERWISE:

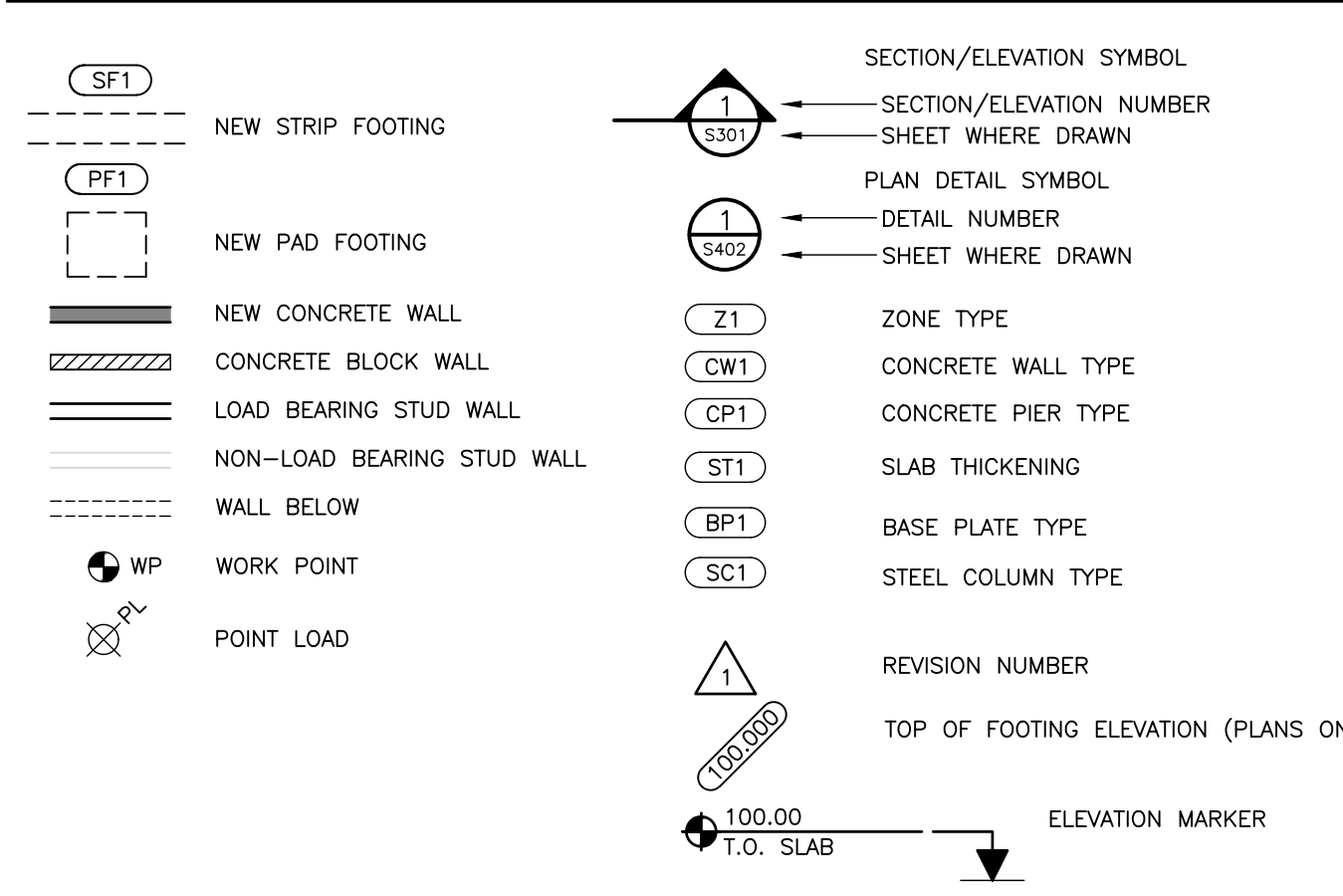
Table for CONCRETE FINISHES showing INTERIOR SLABS, EXTERIOR SLABS, EXPOSED AGGREGATE, CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, EXTERIOR MEMBERS, INTERIOR BEAMS, GIRDERS, COLUMNS, AND PILES, INTERIOR SLABS, WALLS, JOISTS, SHELLS AND FOLDED PLATES.

- 9. CONTROL JOINTS SHALL BE PROVIDED IN BOTH DIRECTIONS IN ALL SLABS-ON-GRADE AT A MAXIMUM SPACING OF 3660mm (12'-0") FOR UNREINFORCED SLABS AND 6100mm (20'-0") FOR REINFORCED SLABS, UNLESS NOTED OTHERWISE ON DRAWINGS.
10. WATER STOPS SHALL BE INSTALLED WHERE INDICATED, WITH ALL JOINTS WELDED, IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
11. JOINT FILLER SHALL BE INSTALLED IN ALL EXPANSION AND CONSTRUCTION JOINTS.

LIST OF ABBREVIATIONS

Table listing various abbreviations and their meanings, such as ALT (ALTERNATE), ARCH (ARCHITECTURAL), B/C (BOTTOM CHORD EXTENSION), etc.

SYMBOLS LEGEND



STRUCTURAL DRAWING LIST

Table listing drawing numbers and descriptions, such as S101 GENERAL NOTES, S102 GENERAL NOTES AND TYPICAL DETAILS, etc.

STRUCTURAL DRAWING ISSUE RECORD

Table for tracking drawing issues, including columns for ISSUE No., ISSUE DATE, ISSUED FOR, and DRAWING NUMBER.

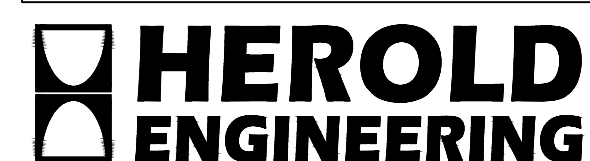
ISSUES

Table for tracking issues, including columns for No., DATE, and ISSUED FOR.

ISSUED FOR TENDER

NOT FOR CONSTRUCTION

MEADOWOOD COMMUNITY CENTRE 1830 GALVIN PLACE, QUALICUM BEACH, BC



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GENERAL NOTES

Table for GENERAL NOTES including fields for DESIGNED, DESIGN REVIEW, DRAFTED, DRAFTING REVIEW, PROJECT No., CLIENT DRAWING No., SCALE, PERMIT No., HEL DRAWING No., and REVISION.

ARCHITECTURAL D. 24" x 36" File: H:\Projects\0837-052-Meadowood Community Centre\Structural\0837-052-S101.dwg Plot Time: Oct. 30, 2010 3:01 PM User: mwhite

WOOD FRAME CONSTRUCTION

HEL-029

- 1. ALL WOOD FRAMING, INCLUDING BRIDGING, NAILING AND OTHER DETAILS SHALL BE AS INDICATED ON THE STRUCTURAL DRAWINGS AND COMPLY WITH CAN/CSA-086 AND THE CURRENT BRITISH COLUMBIA BUILDING CODE.
2. ALL NAILS SHALL MEET ASTM F1667 REQUIREMENTS FOR ENGINEERED CONSTRUCTION NAILS.
3. WOOD SCREWS SHALL MEET THE REQUIREMENTS OF ASME B18.61.
4. BOLTS SHALL HAVE PRE-DRILLED HOLES 1-2mm LARGER THAN THE BOLT DIAMETER.
5. LAG SCREWS SHALL CONFORM TO CSA B34. PRE-DRILLED HOLES FOR LAG SCREWS MAY BE LUBRICATED WITH SOAP OR OTHER NON-PETROLEUM BASED LUBRICANT.
6. ALL CONNECTORS AND FRAMING ANCHORS SPECIFIED ON THE DRAWINGS ARE BY SIMPSON STRONG-TIE. UNLESS NOTED OTHERWISE, ALTERNATES MUST BE PRE-APPROVED IN WRITING BY THE ENGINEER OF RECORD PRIOR TO ORDERING. INSTALLATION OF COMPONENTS AND ASSEMBLIES, INCLUDING STRONG-WALL SHEAR WALLS AND STRONG FRAMES, SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS AND/OR SHOP DRAWINGS.
7. THE USE OF FINGER JOINTED WOOD SHALL BE RESTRICTED TO VERTICAL MEMBERS UNLESS PRIOR APPROVAL IS GIVEN BY THE ENGINEER OF RECORD. FINGER JOINTED WOOD SHALL BE GRADE STAMPED IN ACCORDANCE WITH NLGA SPS 1.
8. SHEAR WALLS SHALL BE CONSTRUCTED AS DETAILED ON THE DRAWINGS. ALL COUPLERS FOR HOLD DOWN RODS SHALL HAVE MIN 125% CAPACITY OF CONNECTING RODS AND SHALL HAVE "WITNESS" HOLES AS PER SIMPSON STRONG-TIE CNW COUPLER NUTS OR EQUIVALENT.
9. FLOOR SHEATHING AND ROOF SHEATHING TO BE AS DETAILED ON THE DRAWINGS. PANEL EDGE NAILING PATTERN SHALL ALSO APPLY TO DRAG STRUTS AND DIAPHRAGM EDGES.
10. THE FOLLOWING MINIMUM SHANK DIAMETERS SHALL APPLY TO NAILS SPECIFIED ON THE STRUCTURAL DRAWINGS. IN PARTICULAR SHEAR WALL SHEATHING, AND FLOOR AND ROOF DIAPHRAGMS:

Table with 2 columns: NAIL SIZE, MINIMUM SHANK DIAMETER. Rows include 57mm (2.25"), 65mm (2.50"), 76mm (3.00"), 83mm (3.25"), 89mm (3.50").

- 11. DIAPHRAGM AND SHEARWALL NAILS SHALL BE FULL HEADED NAILS.
12. DIAPHRAGM AND SHEARWALL NAILS SHALL NOT BE LESS THAN 10mm (3/8") FROM THE EDGE OF THE PANEL OR EDGE OF THE FRAMING MEMBER.
13. DIAPHRAGM AND SHEARWALL NAILING SHALL NOT BE OVER-DRIVEN BY MORE THAN THE FOLLOWING:
Table with 2 columns: PANEL THICKNESS, OVER-DRIVE. Rows include 9.5mm (3/8"), 12.5mm (1/2"), 15.9mm (5/8"), 19.0mm (3/4").
14. ALL STRUCTURAL LUMBER SHALL COMPLY WITH CSA-0141 AND SHALL BE KILN DRIED TO MAXIMUM 19% MOISTURE CONTENT PRIOR TO INSTALLATION.
15. ALL WOOD FRAMING TO BE SPF#2 OR BETTER UNLESS NOTED OTHERWISE, BEARING THE GRADE STAMP OF AN AGENCY CERTIFIED BY THE CANADIAN LUMBER STANDARDS ACCREDITATION BOARD.
16. PLYWOOD FOR ROOFS, FLOORS AND WALLS SHALL BE EXTERIOR GRADE DOUGLAS FIR PLYWOOD TO CSA-0121 OR CANADIAN SOFTWOOD PLYWOOD TO CSA-0151. OSB MAY BE SUBSTITUTED FOR PLYWOOD ON INTERIOR SHEAR WALLS ONLY. OSB SHALL BE EXTERIOR GRADE CONFORMING TO CSA 0325. SUBSTITUTION MUST BE APPROVED BY THE PROJECT ENGINEER IN WRITING.
Table with 2 columns: PLYWOOD THICKNESS, EQUIVALENT OSB MARK. Rows include 3/8", 1/2", 5/8".

- 17. PLYWOOD PANELS FOR FLOORS AND ROOFS SHALL BE LAID WITH A HALF-SHEET STAGGER AND BE FASTENED TO SUPPORTS WITH 65mm (2 1/2") COMMON NAILS AT 150mm o/c (6") ALONG PANEL EDGES AND 300mm (12") o/c ALONG INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE ON THE PLANS. THICKNESS AS NOTED ON THE DRAWINGS.
18. PLYWOOD PANELS FOR WALLS SHALL BE LAID WITH A HALF-SHEET STAGGER AND BE FASTENED TO SUPPORTS WITH 65mm (2 1/2") COMMON NAILS AT 75mm o/c (3") ALONG PANEL EDGES FOR BLOCKED EDGES, 150mm o/c (6") FOR UNBLOCKED EDGES, AND 300mm (12") o/c ALONG INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE ON THE PLANS. PLYWOOD THICKNESS AS NOTED ON THE DRAWINGS.
19. SHEARWALL PANELS SHALL NOT BE GLUED IN PLACE UNLESS PRIOR APPROVAL IS RECEIVED FROM THE ENGINEER OF RECORD.
20. PLYWOOD FOR DIAPHRAGMS AND SHEARWALLS SHALL HAVE A 2mm GAP BETWEEN PANELS.
21. EXTERIOR WALLS TALLER THAN 2400mm (8'-0") SHALL HAVE ALL PANEL EDGES BLOCKED WITH 38x89 (2x4) ON THE FLAT.
22. 'ACO' (AMINE COPPER QUAT) PRESSURE TREATED WOOD SHALL BE USED WHERE SPECIFIED ON THE DRAWINGS, WHERE TIMBER COMES IN DIRECT CONTACT WITH CONCRETE OR MASONRY, AND WHERE IT IS EXPOSED TO THE WEATHER. CUT SURFACES OF TREATED TIMBER ARE TO RECEIVE A BRUSH APPLIED COAT OF COLOURED PRESERVATIVE. WORK SHALL BE IN ACCORDANCE WITH CSA-080 SERIES-08, 'CCA' (CHROMATED COPPER ARSENATE) IS NOT TO BE USED. TREATED WOOD PRODUCTS SHALL BEAR THE STAMP OF THE CANADIAN WOOD PRESERVERS BUREAU (CWPB).
23. FASTENERS FOR USE IN ACO TREATED TIMBER SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A653. CONNECTORS SHALL HAVE A G185 GALVANIZED DESIGNATION OR MEET ASTM A123. ALTERNATIVELY ALL METAL CONNECTORS INCLUDING NAILS, BOLTS, HANGERS, HOLD-DOWNS, STEEL STRAPS, POST BASES, ETC. SHALL BE STAINLESS STEEL TYPES 304 OR 316. REFER ALSO TO THE PRESERVATIVE MANUFACTURER'S WRITTEN RECOMMENDATIONS.
24. WALL STUDS SHALL NOT BE NOTCHED, DRILLED OR OTHERWISE DAMAGED SO THAT THE UNDAUNTED PORTION OF THE STUD IS LESS THAN TWO-THIRDS OF THE DEPTH OF THE STUD IF THE STUD IS LOADBEARING OR 40mm (1 1/2") IF THE STUD IS NON-BEARING, UNLESS THE WEAKENED STUDS ARE SUITABLY REINFORCED. SUCH REINFORCEMENT SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THE REINFORCING BEING CARRIED OUT.
25. TOP AND BOTTOM PLATES IN WALLS SHALL NOT BE NOTCHED, DRILLED OR OTHERWISE DAMAGED SO THAT THE UNDAUNTED WIDTH IS LESS THAN 50mm (2"), UNLESS THE WEAKENED PLATES ARE SUITABLY REINFORCED. SUCH REINFORCEMENT SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THE REINFORCING BEING CARRIED OUT. IF PLATES ARE TO BE USED AS DRAG STRUTS SEE DETAILS.
26. ALL POSTS, INCLUDING 2-PLY POSTS, ARE TO BE CARRIED DOWN TO BEARING AND SOLID BLOCKED AT EACH FLOOR LEVEL.
27. EXCEPT AT SHEARWALLS, ANCHOR BOLTS SHALL BE 16x200 LONG @ 1200o/c (36"x48" @ 48"o/c) MAXIMUM. LOCATE BOLTS WITHIN 300mm OF EACH WALL END AND EACH SIDE OF OPENINGS WHICH EXTEND TO THE TOP OF CONCRETE. REFER TO SHEARWALL SCHEDULE FOR SHEARWALL ANCHOR BOLTS.
28. ALL BOLTS USED IN WOOD FRAME CONSTRUCTION SHALL CONFORM TO ASTM A307 OR SAE J429 GRADE 2. THREADED ROD SHALL BE TO ASTM F1554 GRADE 36 (36 ksi YIELD STRENGTH). USE OF OTHER BOLTS MUST BE PRE-APPROVED BY THE ENGINEER OF RECORD.

STRUCTURAL COMPOSITE LUMBER (SCL)

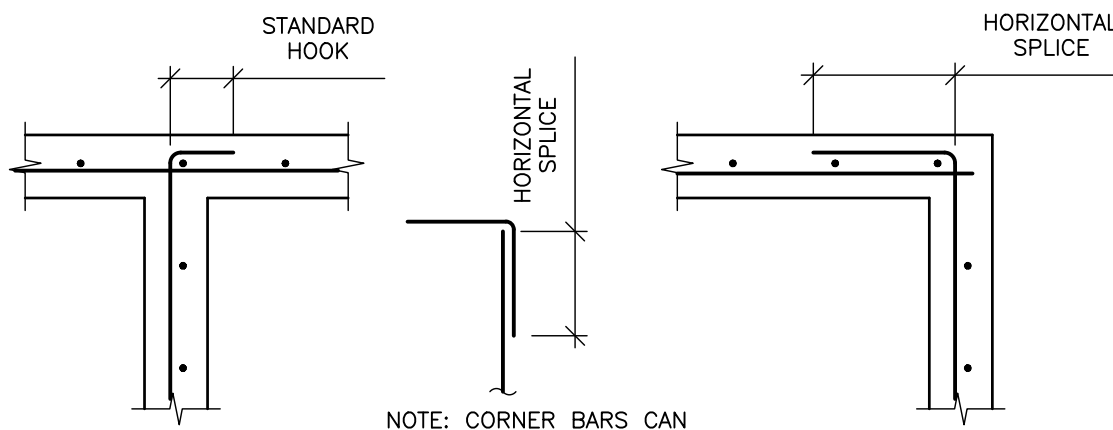
HEL-033

- 1. ALL SCL MEMBERS SHALL BE DESIGNED AND MANUFACTURED TO ASTM D5456
2. LAMINATED VENEER LUMBER (LVL) AND PARALLEL STRAND LUMBER (PSL) SHALL CONFORM TO CAN/CSA-086.
3. THE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AS SPECIFIED UNDER 'SUBMITTALS' TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO FABRICATION. THE MANUFACTURER SHALL INSPECT THE INSTALLED PRODUCT TO VERIFY CORRECT INSTALLATION AND PROVIDE THE STRUCTURAL ENGINEER WITH WRITTEN CONFIRMATION OF SUCH PRIOR TO THE STRUCTURAL ENGINEER CERTIFYING THE FRAMING AS BEING COMPLETE.
4. STRUCTURAL COMPOSITE LUMBER (SCL) MEMBERS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MEMBERS SHALL BE PROTECTED FROM MOISTURE AS PER THE MANUFACTURER'S WRITTEN REQUIREMENTS WHEN STORED ON SITE AND AFTER INSTALLATION.
5. LVL MEMBERS SHALL BE GRADE 1.9E UNLESS NOTED OTHERWISE. BEAMS UP TO 3 PLY WIDE SHALL BE NAILED TOGETHER AND 4 PLY BEAMS BOLTED TOGETHER IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
6. PSL MEMBERS SHALL BE GRADE 2.0E UNLESS NOTED OTHERWISE.
7. DRILLING, NOTCHING AND CUTTING OF MEMBERS IS NOT PERMITTED UNLESS APPROVED BY THE PROJECT ENGINEER. SUCH APPROVAL SHOULD BE REQUESTED WITH THE SHOP DRAWING SUBMISSION.
8. SUPPLIERS OF FRAMING MATERIALS USING SYSTEMS NOT CALLED FOR ON THE STRUCTURAL DRAWINGS SHALL RECEIVE APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO SHOP DRAWING PRODUCTION. THE APPLICATION SHALL INCLUDE THE PRODUCTS TECHNICAL LITERATURE WHICH SHALL BE SUFFICIENT FOR THE ENGINEER TO DETERMINE THE SYSTEM AND PRODUCT SUITABILITY ON THE PROJECT.

PRE-ENGINEERED WOOD JOISTS

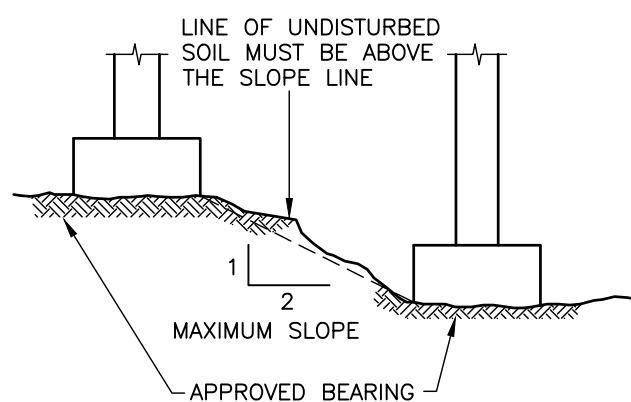
HEL-030

- 1. DESIGN OF PREFABRICATED JOISTS SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA-086.
2. PREFABRICATED JOISTS SHALL MEET THE REQUIREMENTS OF AND BE DESIGNED TO ASTM D-5055. ADHESIVES USED IN THEIR MANUFACTURE SHALL MEET CSA 0112.6 OR CSA 0112.7. ALTERNATE ADHESIVES MEETING CSA 0112.9 OR CSA 0112.10 MAY BE USED.
3. UNDER NO CIRCUMSTANCES SHALL FLANGES OF PREFABRICATED JOISTS BE NOTCHED OR CUT.
4. WEB OPENINGS, BEARING LENGTHS AND WEB STIFFENER REQUIREMENTS ARE THE RESPONSIBILITY OF THE MANUFACTURER.
5. FABRICATION OF PREFABRICATED JOISTS SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA 3-086 AND THE REVIEWED SHOP DRAWINGS.
6. PREFABRICATED JOISTS SHALL BE TRANSPORTED, STORED AND ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS IN SUCH A MANNER THAT BENDING, WARPING, AND OVERTURNING ARE PREVENTED.
7. TEMPORARY HORIZONTAL AND VERTICAL BRACING OF JOISTS SHALL BE IMPLEMENTED UNTIL PERMANENT BRACING AND DECKING ARE INSTALLED.
8. THE PREFABRICATED JOIST MANUFACTURER SHALL ACCOMMODATE ALL OPENINGS IN ACCORDANCE WITH THE ARCHITECTURAL PLANS WITH APPROPRIATE GIRDERS, PROVIDE FOR ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL EQUIPMENT SUPPORTED BY THE ROOF OR FLOORS. REFER TO THE DRAWINGS OF THESE DISCIPLINES.
9. THE JOIST MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AS SPECIFIED UNDER 'SUBMITTALS' TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO FABRICATION. THE MANUFACTURER SHALL INSPECT THE ERECTED JOISTS TO VERIFY CORRECT INSTALLATION AND PROVIDE THE STRUCTURAL ENGINEER WITH WRITTEN CONFIRMATION OF SUCH PRIOR TO THE STRUCTURAL ENGINEER CERTIFYING THE FRAMING AS BEING COMPLETE.
10. LATERAL SPLAY OF JOISTS TO BE LIMITED TO 13mm (1/2") FROM TRUE ALIGNMENT.
11. DO NOT STACK PLYWOOD OR OTHER MATERIALS ON JOISTS BEFORE TEMPORARY BRACING OR SHEATHING HAS BEEN INSTALLED. UNDER NO CIRCUMSTANCES ARE APPLIED CONSTRUCTION LOADS TO EXCEED DESIGN LOADS.
12. LUMBER USED IN THE FABRICATION OF THE JOISTS IS TO BE SPF#2 OR BETTER COMPLYING WITH CAN/CSA-0141 AND NLGA STANDARD RULES FOR CANADIAN LUMBER.
13. DO NOT CUT OR REMOVE JOIST MATERIAL WITHOUT THE PRIOR WRITTEN APPROVAL OF THE SPECIALTY STRUCTURAL ENGINEER.
14. THE JOIST MANUFACTURER SHALL PROVIDE FULL-HEIGHT BLOCKING BETWEEN JOISTS AT ALL EXTERIOR WALLS AND OVER SHEAR WALLS PERPENDICULAR TO JOIST SPANS. JOISTS SHALL BE ALIGNED OVER SHEAR WALLS. WHEN SHEAR WALLS RUN PARALLEL TO JOISTS TO FACILITATE CONNECTION BETWEEN DIAPHRAGM AND SHEAR WALL. CHECK THE DRAWINGS FOR OTHER SIMILAR LOCATIONS.



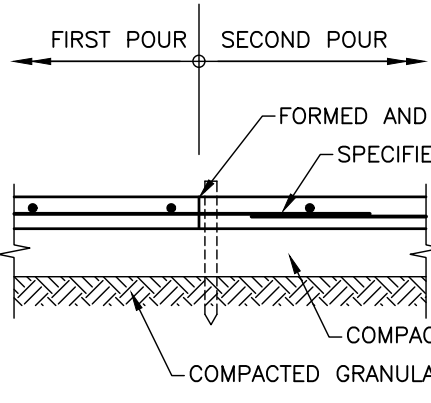
TYPICAL WALL REINFORCING AT CORNERS

NOT TO SCALE



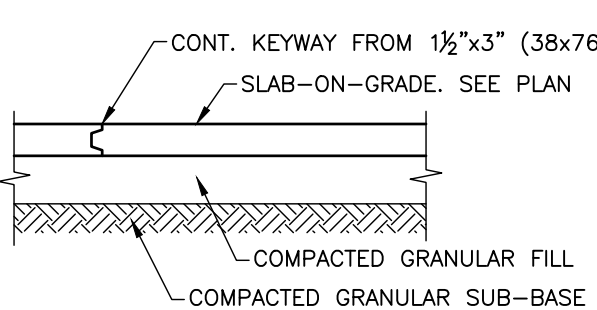
TYPICAL ADJACENT FOOTINGS

NOT TO SCALE



TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT

NOT TO SCALE



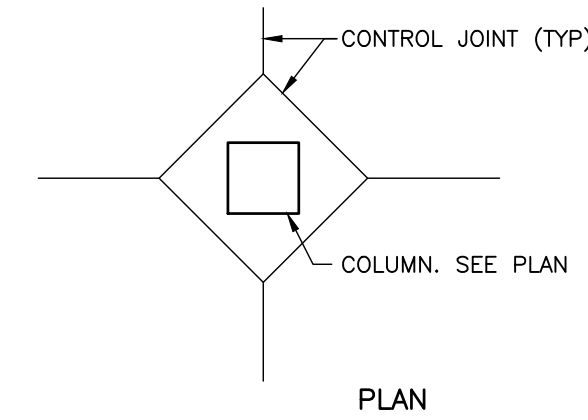
TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT

NOT TO SCALE

TYPICAL REINFORCING AROUND OPENINGS

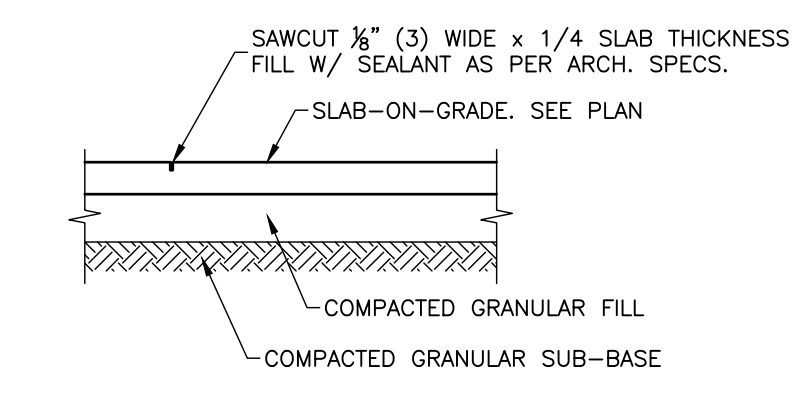
NOT TO SCALE

FOR OPENINGS UP TO 24"x24"



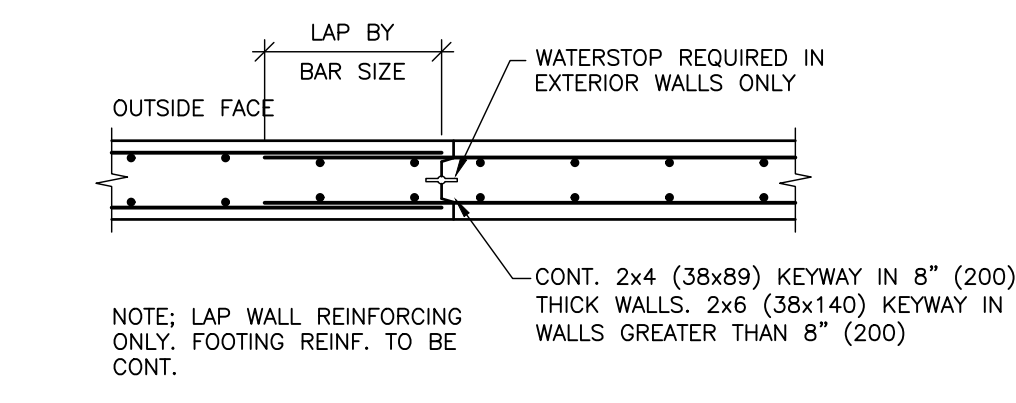
TYPICAL CONTROL JOINTS AT COLUMN

NOT TO SCALE



TYPICAL SLAB-ON-GRADE CONTROL JOINT

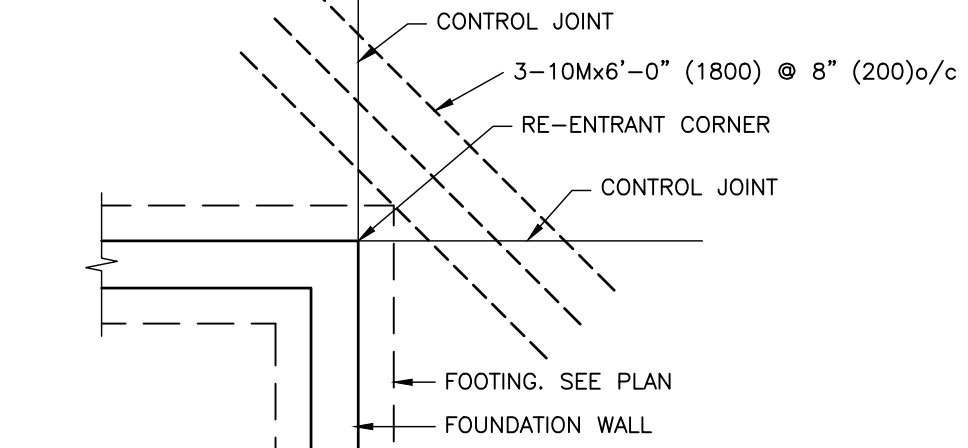
NOT TO SCALE



REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING SPECIFICATIONS AND GEOTECHNICAL REPORT FOR BACKFILL REQUIREMENTS.

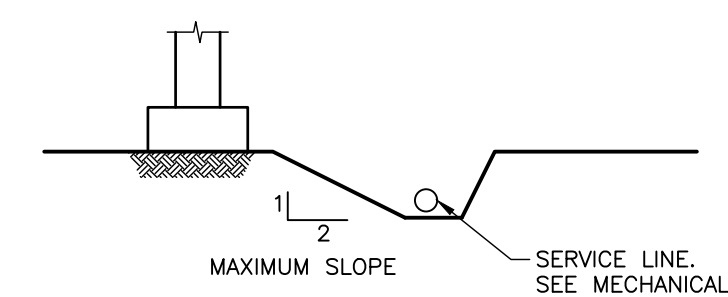
TYPICAL WALL CONSTRUCTION JOINT

NOT TO SCALE



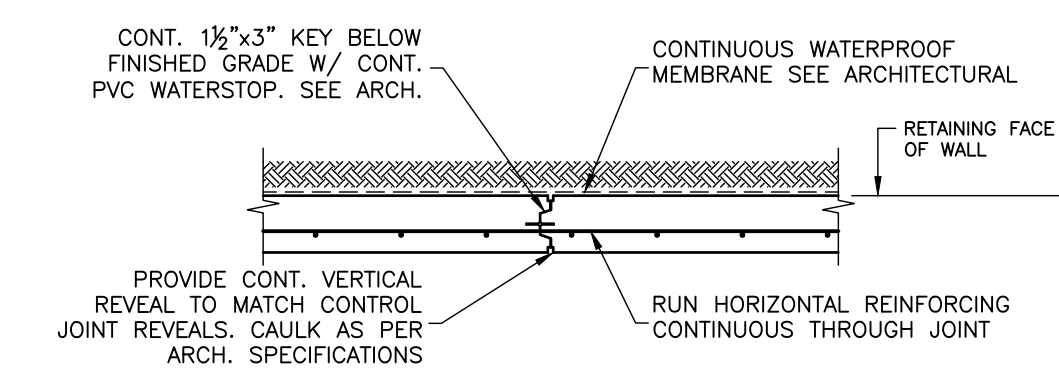
TYPICAL CONTROL JOINT

NOT TO SCALE



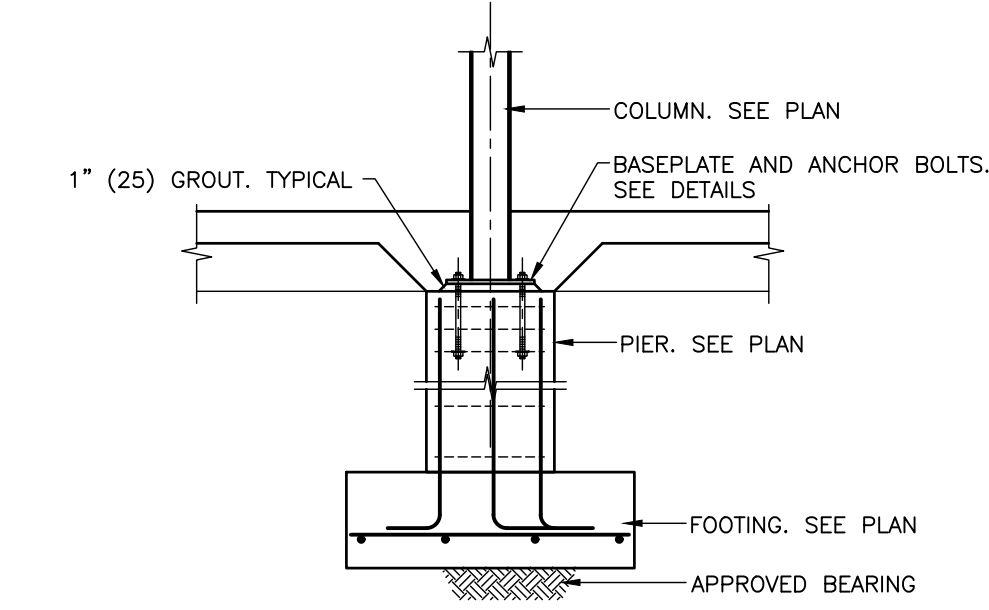
TYPICAL SERVICE TRENCH

NOT TO SCALE



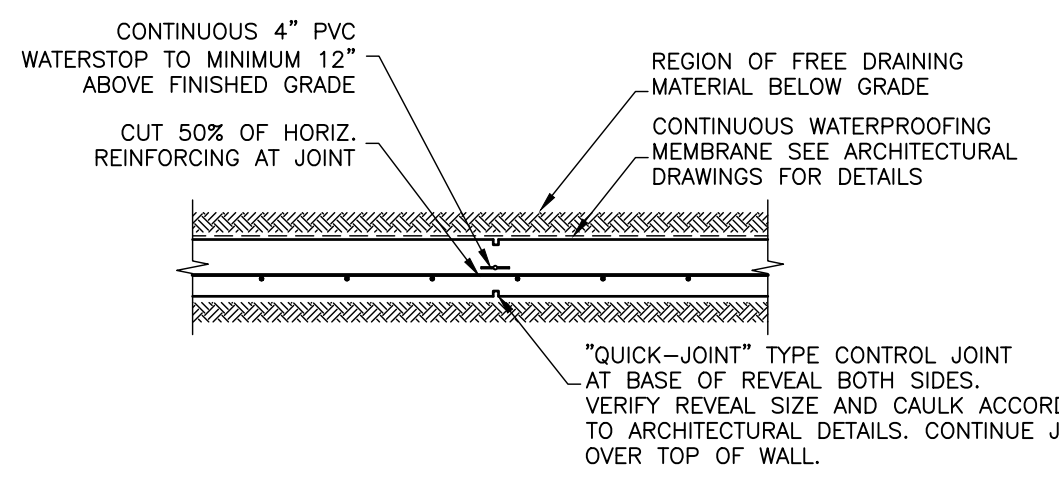
FOUNDATION WALL CONSTRUCTION JOINT

1/2"=1'-0"



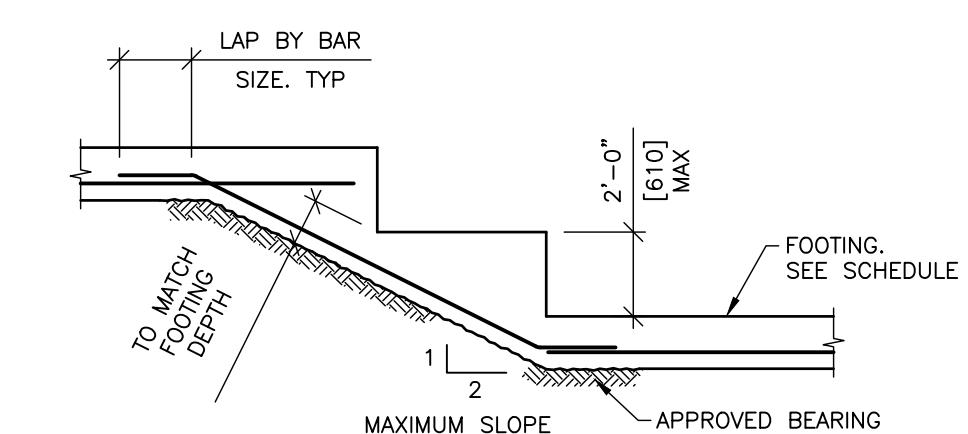
TYPICAL PAD FOOTING DETAIL

NOT TO SCALE



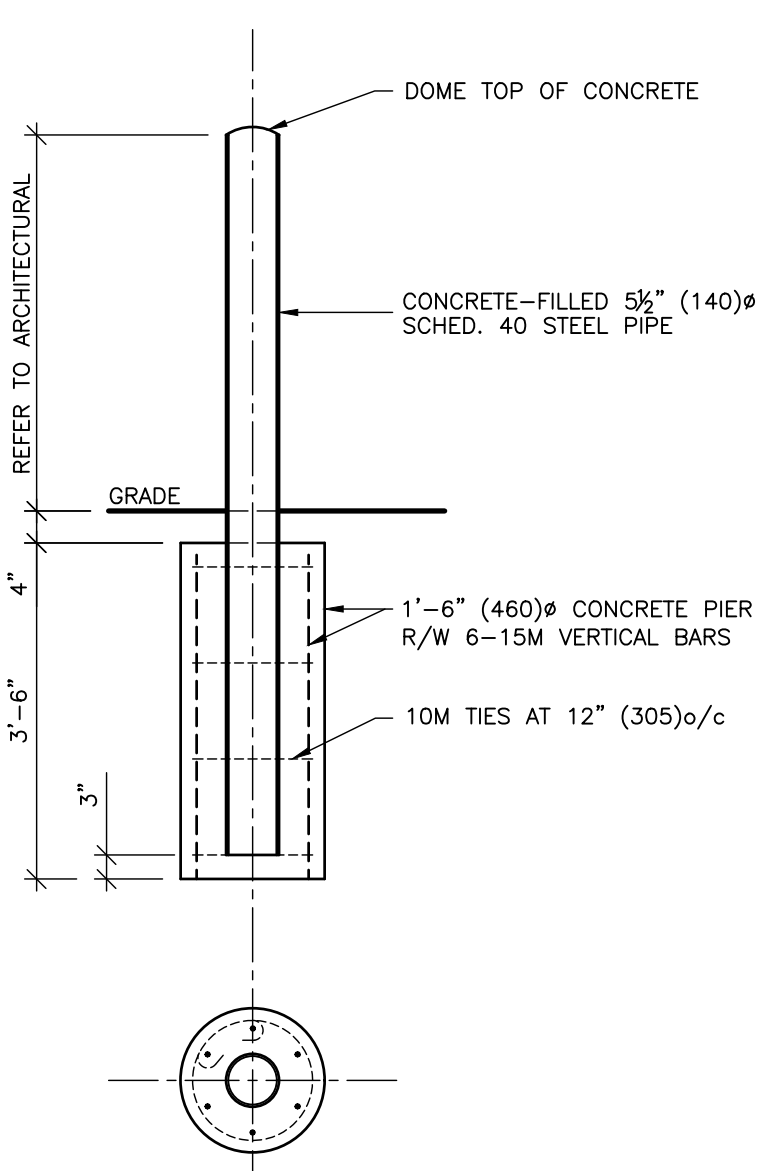
FOUNDATION WALL CONTROL JOINT

1/2"=1'-0"



TYPICAL STEPPED FOOTING DETAIL

NOT TO SCALE



TYPICAL BOLLARD DETAIL

NOT TO SCALE

TYPICAL REINFORCING AROUND OPENINGS

NOT TO SCALE

ISSUES table with columns: No., DATE, ISSUED FOR. Row 01: 2020.10.29, TENDER.

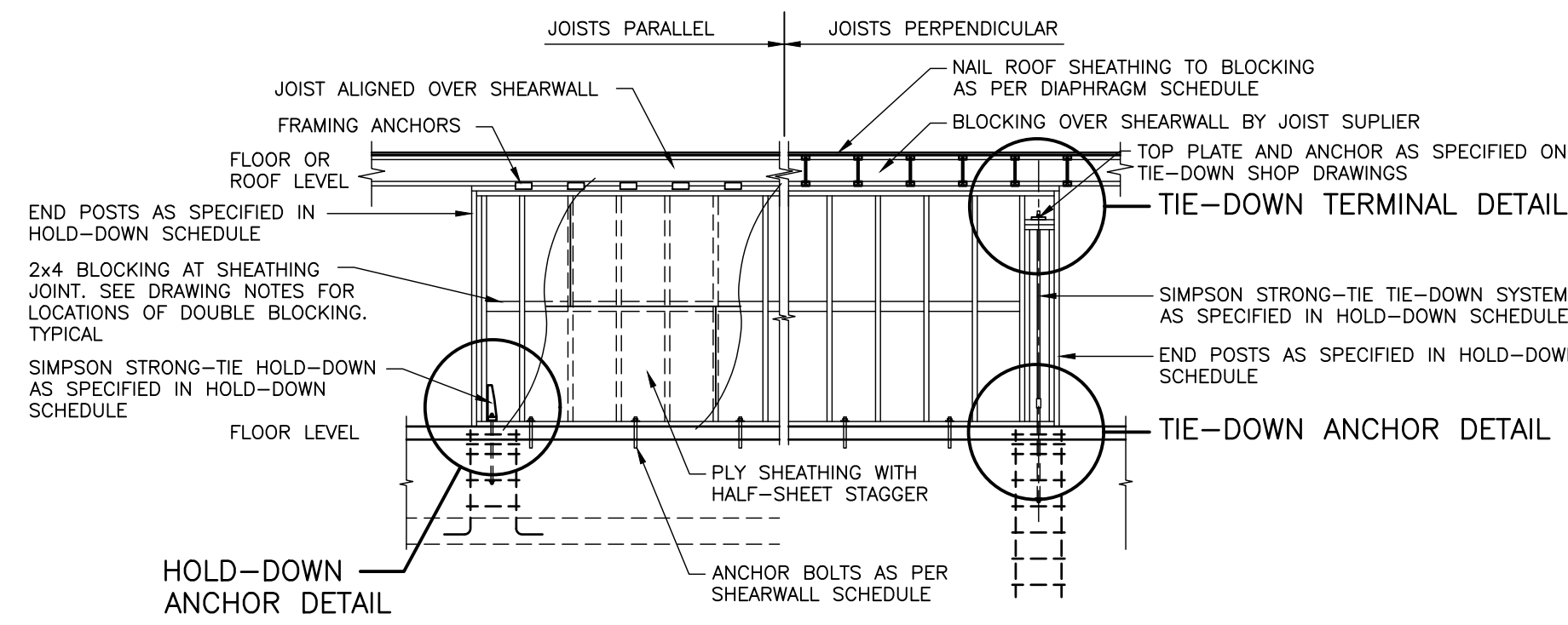
ISSUED FOR TENDER

NOT FOR CONSTRUCTION

MEADOWOOD COMMUNITY CENTRE 1830 GALVIN PLACE, QUALICUM BEACH, BC

HEROLD ENGINEERING logo and contact information: 3701 Shenton Rd, Nanaimo, BC V9T 2H1.

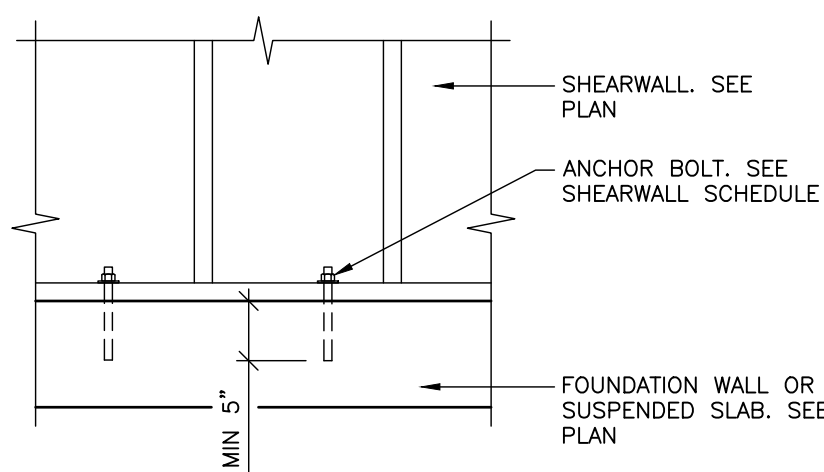
GENERAL NOTES & TYPICAL DETAILS table with columns: DESIGNED, DESIGN REVIEW, DRAFTED, DRAFTING REVIEW, PROJECT No., CLIENT DRAWING No., SCALE, PERMIT No., HEL DRAWING No., REVISION.



SHEARWALL KEY ELEVATION
NOT TO SCALE

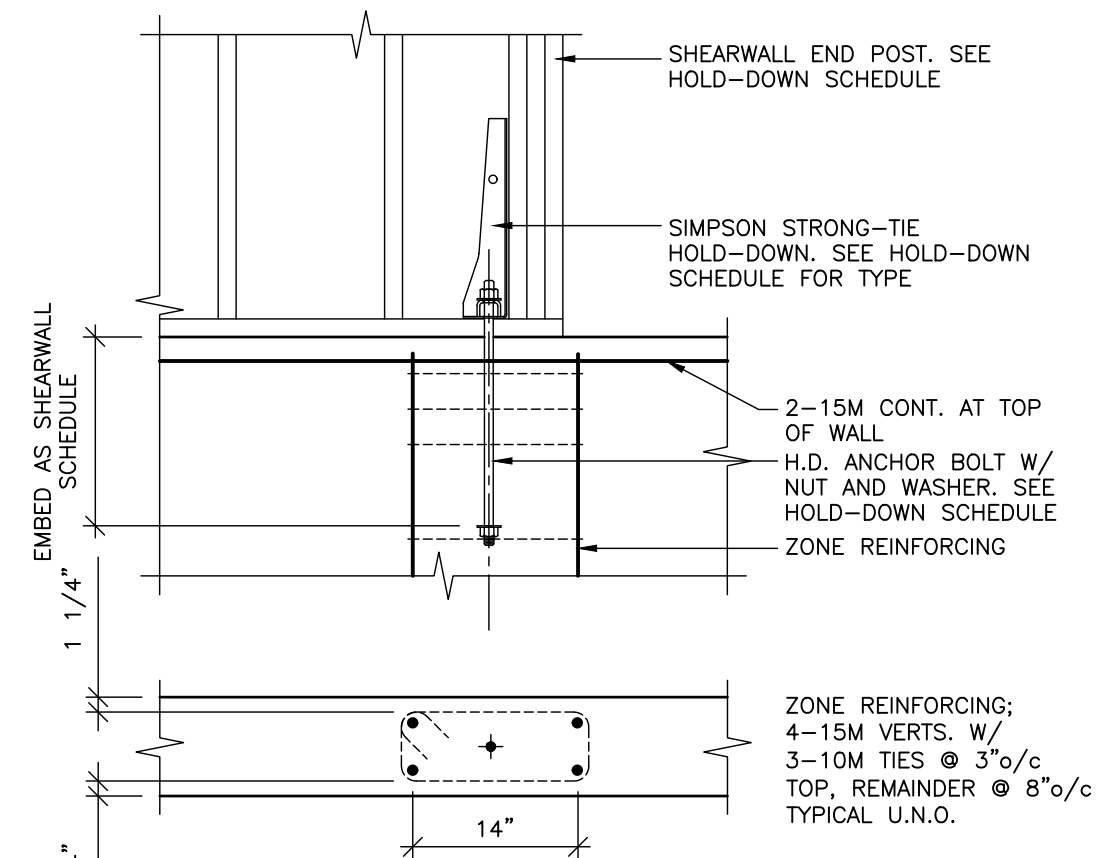
DRAWING NOTES

1. DETAILS ON THIS SHEET SHOW CRITICAL CONNECTIONS TO TRANSFER LOADS THROUGH THE BUILDING. ANY VARIATION FROM THESE DETAILS MUST RECEIVE APPROVAL FROM THE PROJECT ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DESIGN AND REMEDIATION IF FRAMING DOES NOT CONFORM TO THESE DETAILS.
2. SEE FRAMING PLANS FOR SHEAR WALL TYPES AND LOCATIONS.
3. PLACING PLYWOOD SHEETS VERTICALLY IS ACCEPTABLE.
4. NO PANEL JOINTS ARE TO OCCUR AT END POSTS.
5. SHEATHING TO BE D.FIR PLYWOOD OR OSB. SEE GENERAL NOTES FOR GRADE. OSB MAY ONLY BE USED ON INTERIOR SHEAR WALLS IN ACCORDANCE WITH THE GENERAL NOTES.
6. NAIL SPACING AT ALL PANEL EDGES IS TO BE AS PER THE SHEAR WALL SCHEDULE.
7. SHEAR WALL INTERMEDIATE SUPPORT NAILS TO BE THE SAME AS EDGE NAILS BUT @ 12" o/c.
8. FOR 2 1/2" NAILS @ 2" o/c, AND 3" NAILS AT ANY SPACING, PROVIDE DOUBLE BLOCKING @ PANEL EDGES, TYPICAL.
9. 2 1/2" NAILS TO BE 0.131" DIAMETER; 3" NAILS TO BE 0.148" DIAMETER.
10. PLACE PLYWOOD FOR SINGLE SIDED WALLS ON SAME SIDE AS SYMBOL ON PLAN.
11. SHEATHING AND BLOCKING FOR DOUBLE SIDED SHEAR WALLS ARE SHOWN WITH BROKEN LINES. NAILING AND FRAMING ANCHORS SPECIFIED APPLY TO BOTH SIDES OF THE WALL.

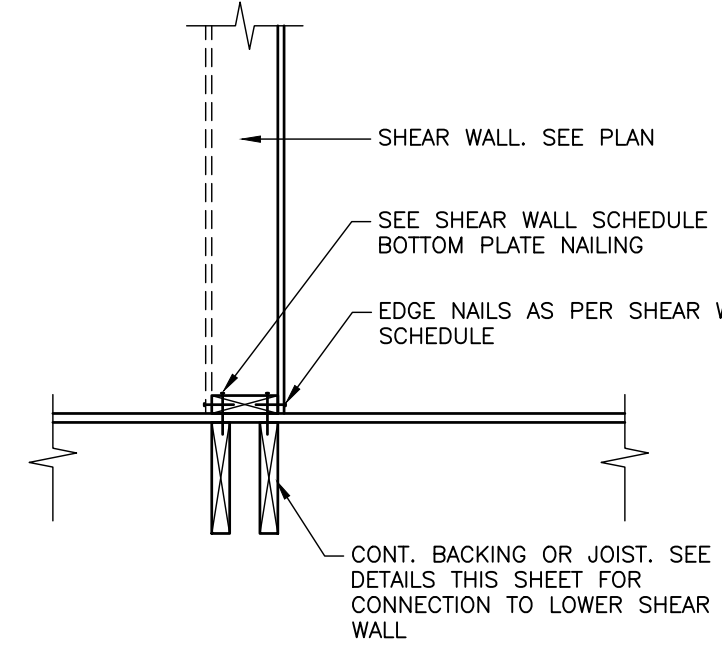


NOTE: ANCHOR BOLTS MAY BE CAST INTO THE CONCRETE OR DRILLED AND GROUTED LATER. IF DRILLED USE EPOXY ADHESIVE. MECHANICAL ANCHORS ARE NOT PERMITTED WITHOUT PRIOR WRITTEN PERMISSION FROM THE PROJECT ENGINEER. SEE GENERAL NOTES FOR ANCHOR AND ADHESIVE TYPE.

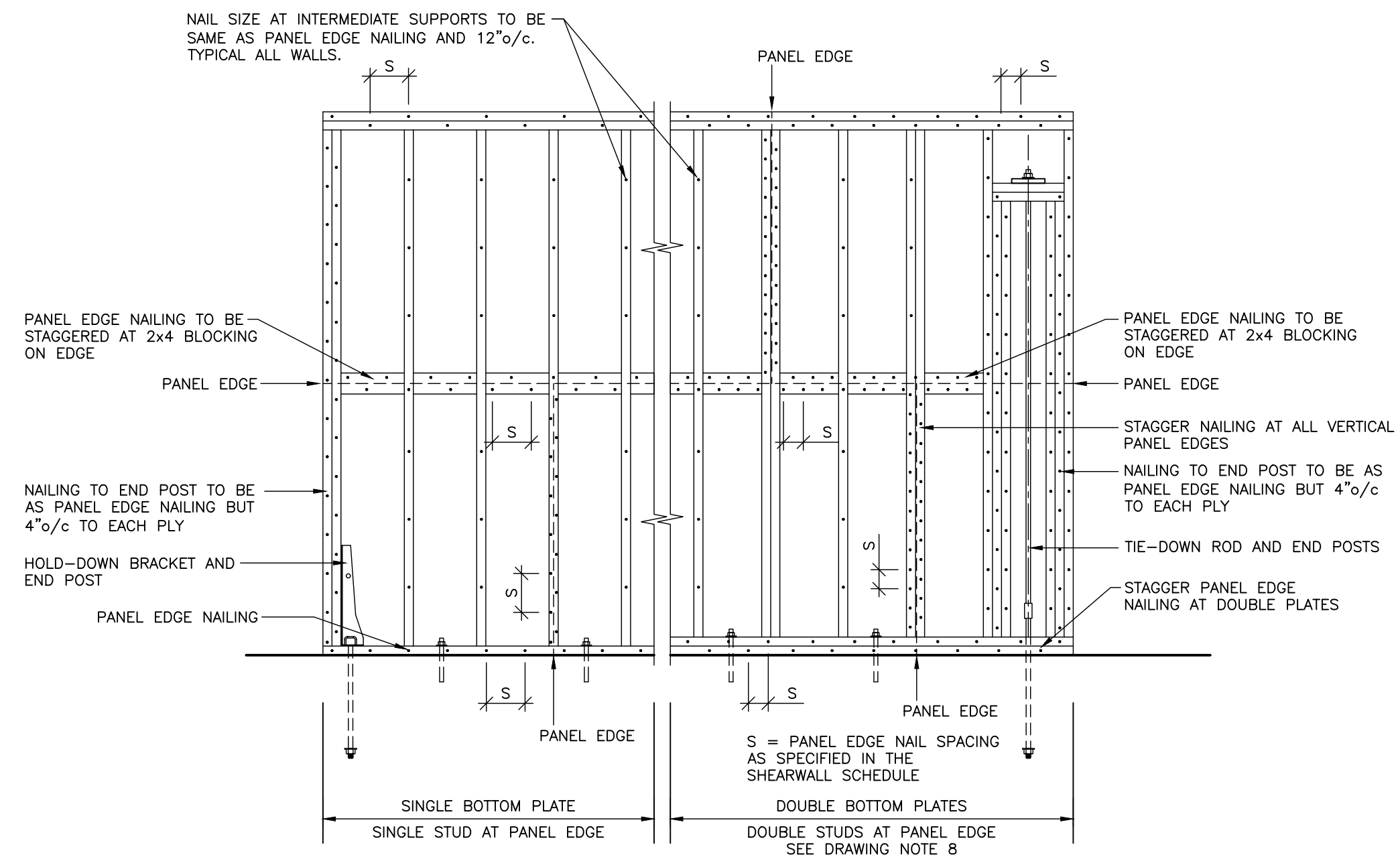
FOR SHEARWALLS WITH HOLD-DOWNS
TYPICAL ANCHOR BOLT
SCALE 3/4"=1'-0"



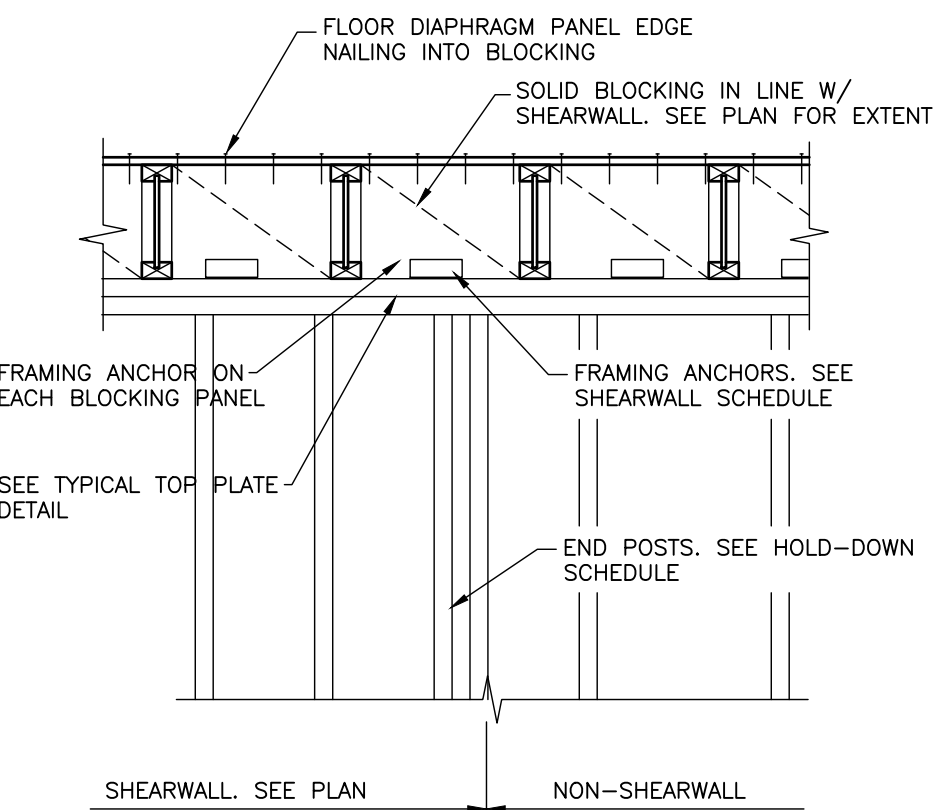
HOLD-DOWN ANCHOR DETAIL
SCALE 3/4"=1'-0"



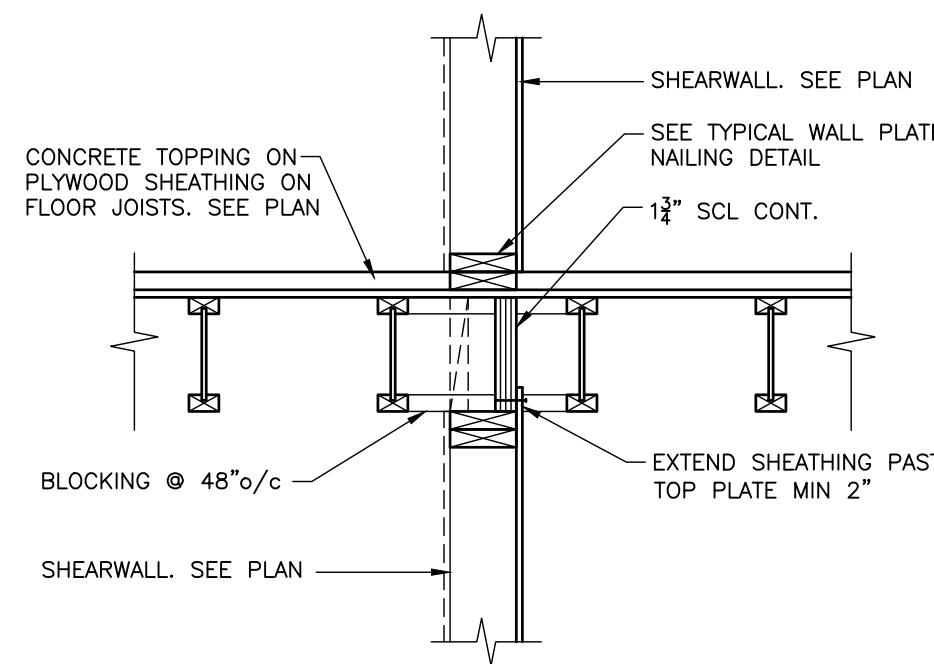
SHEAR WALLS TO FLOORS WITHOUT CONCRETE TOPPING
TYPICAL WALL PLATE NAILING
SCALE 3/4"=1'-0"



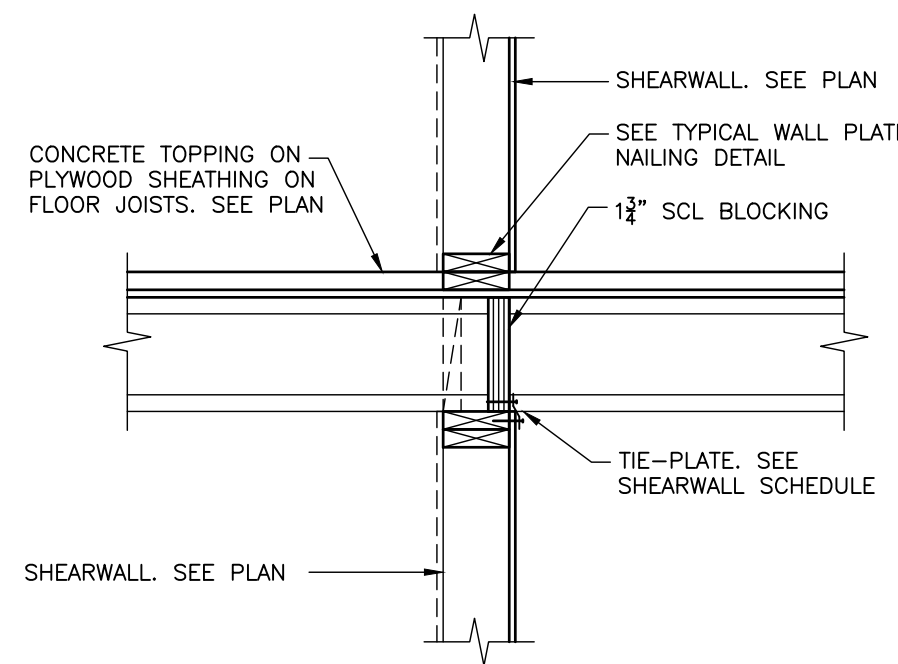
FOR SHEARWALL SHEATHING
SHEARWALL NAILING PATTERNS
NOT TO SCALE



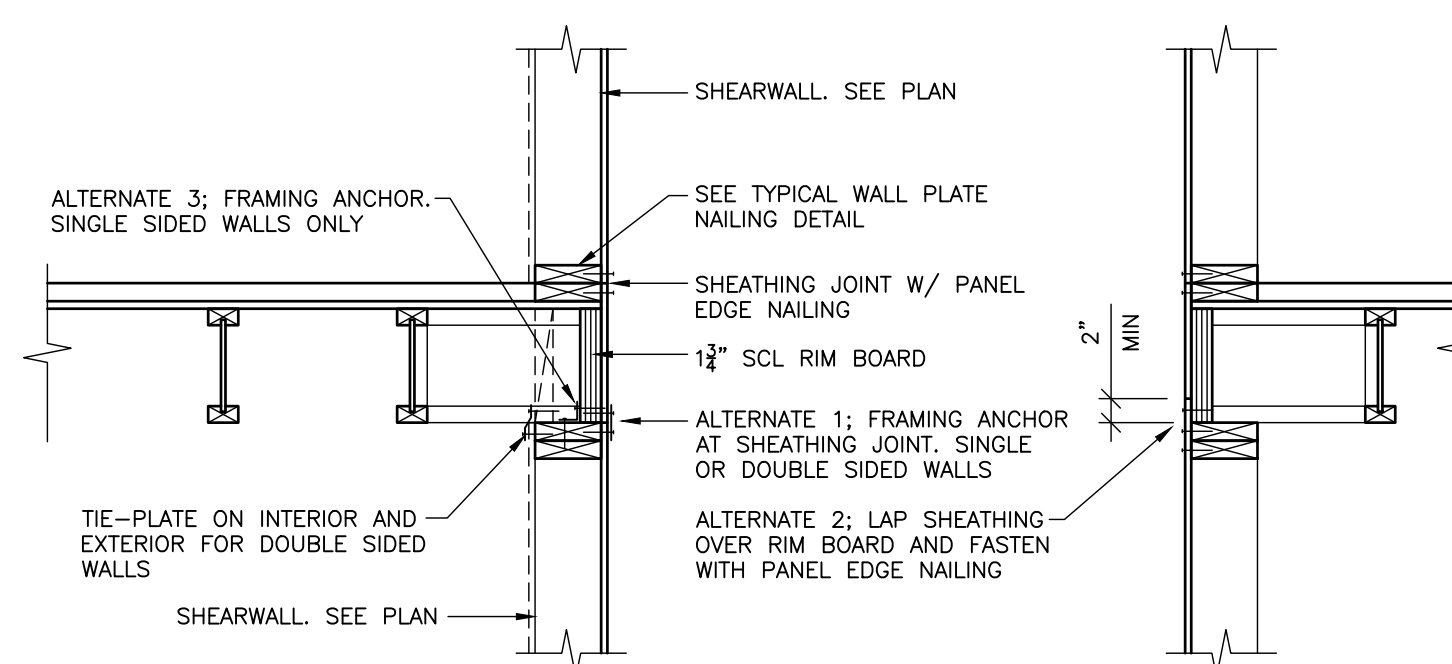
SHEARWALL DRAG STRUT DETAIL
SCALE 3/4"=1'-0"



JOISTS PARALLEL
INTERIOR SHEARWALL
SCALE 3/4"=1'-0"

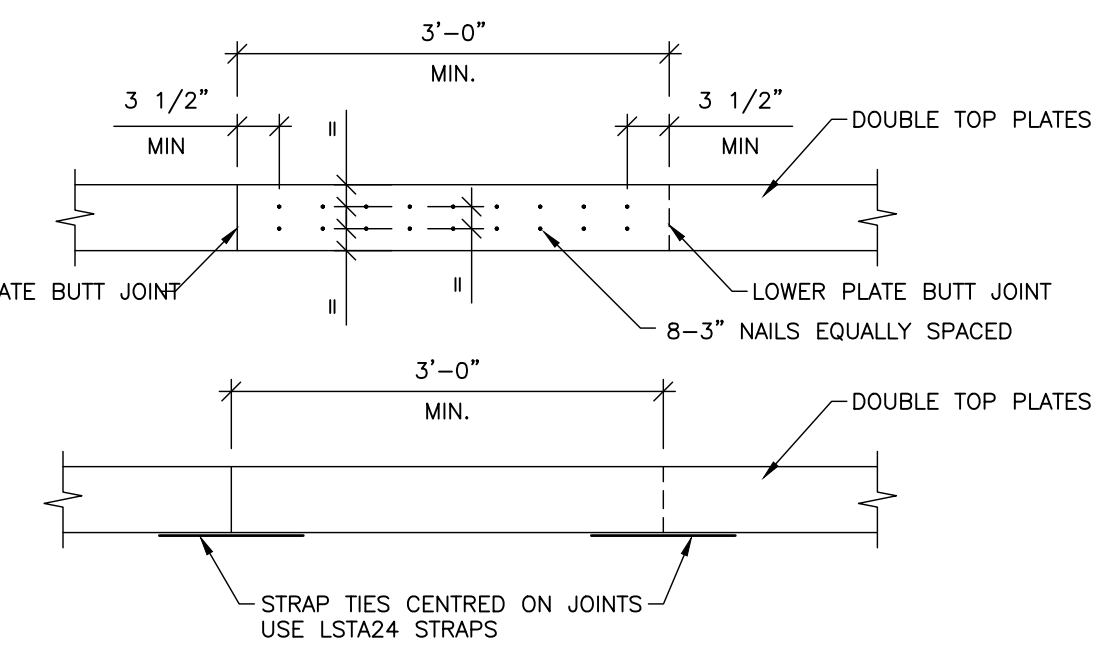


JOISTS PERPENDICULAR
INTERIOR SHEARWALL
SCALE 3/4"=1'-0"

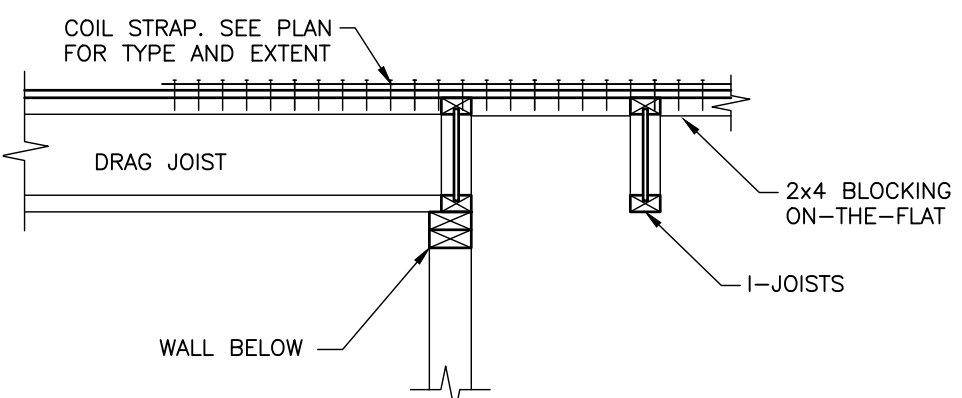


SHEARWALL TO FLOOR OR ROOF
ALTERNATE CONNECTIONS
SCALE 3/4"=1'-0"

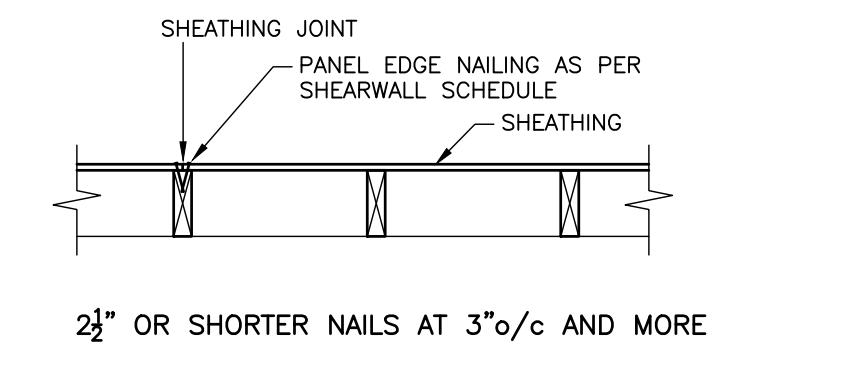
NOTE: THESE ALTERNATES CAN BE APPLIED TO ANY DETAIL SHOWING FLOOR OR ROOF CONNECTIONS TO A SHEARWALL.



TOP PLATE SPLICE DETAIL
NOT TO SCALE



TYPICAL COIL STRAP DETAIL
NTS



FOR SHEARWALLS
PANEL JOINTS IN SINGLE SIDED WALL
SCALE 3/4"= 1'-0"

ISSUES		
No.	DATE	ISSUED FOR
01	2020.10.29	TENDER

ISSUED FOR TENDER

NOT FOR CONSTRUCTION

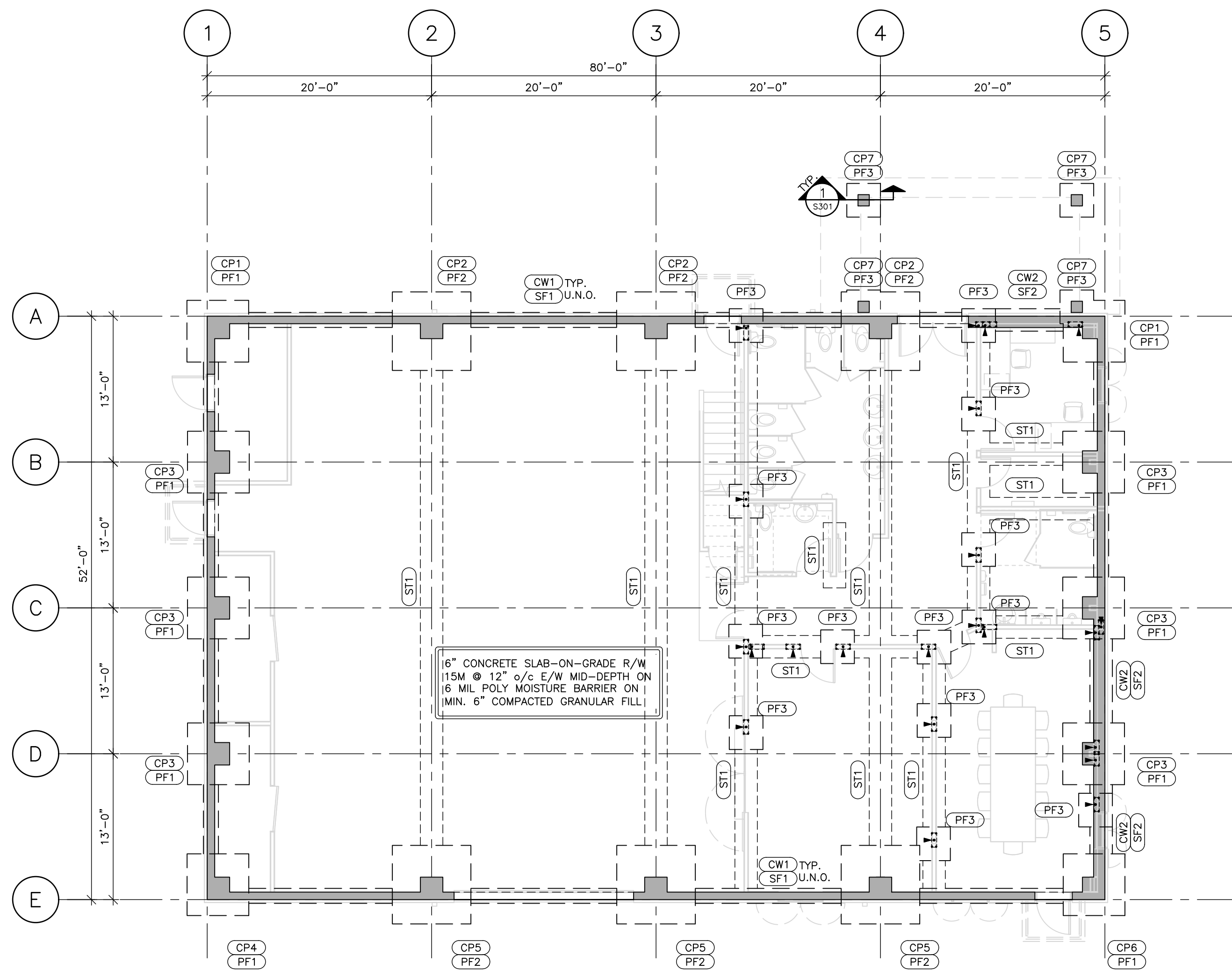
MEADOWOOD COMMUNITY CENTRE

1830 GALVIN PLACE, QUALICUM BEACH, BC

HEROLD ENGINEERING
3701 Shenton Rd, Nanaimo, BC V9T 2H1
Tel: 250-751-8558 Fax: 250-751-8559
Email: mail@heroldengineering.com

DESIGNED: JV
DESIGN REVIEW:
DRAFTED: NW
DRAFTING REVIEW:

PROJECT No. 0837-052	CLIENT DRAWING No. n/a
SCALE AS SHOWN	PERMIT No. n/a
HEL DRAWING No. S103	REVISION 01



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

NOTE: STRUCTURAL SEISMIC SEPARATION OF 5" MIN. MUST BE MAINTAINED BETWEEN MEZZANINE AND STEEL BUILDING

NOTE: THESE PLANS HAVE BEEN PREPARED FROM ARCHITECTURAL BASE PLANS AND PRE-ENGINEERED STEEL BUILDING DRAWINGS. ALL DIMENSIONS ARE TO BE CONFIRMED WITH ARCHITECTURAL AND PRE-ENGINEERED STEEL BUILDING DRAWINGS MARKED 'ISSUED FOR CONSTRUCTION'. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION FOR EVALUATION.

CONCRETE WALL SCHEDULE

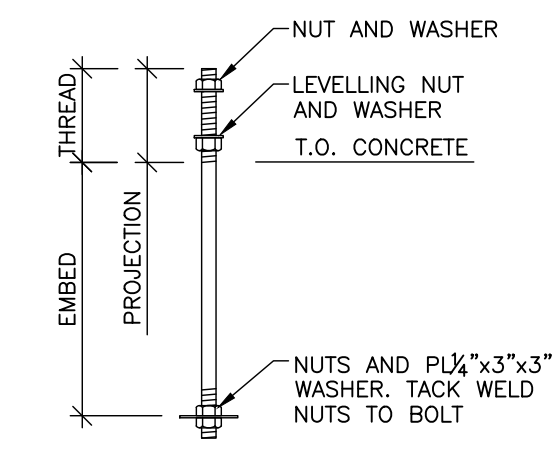
MARK	WIDTH	REINFORCING	LOCATION
CW1	8"	15M @ 16" o/c E/W	CENTRED
CW2	12"	15M @ 16" o/c E/W	BOTH FACES

NOTES: ALL UNLABELLED CONCRETE WALLS ARE CW1.

FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT	MIN. FTG DEPTH
PF1	5'-6"x5'-6"x1'-0"	6-20M E/W T&B	4'-0"
PF2	7'-0"x7'-0"x1'-2"	7-20M E/W T&B	4'-0"
PF3	3'-0"x3'-0"x1'-0"	3-15M E/W T&B	2'-0"
SF1	1'-4"x8" DP	2-15M E/W BOT.	2'-0"
SF2	2'-0"x1'-0" DP	3-15M E/W BOT.	2'-0"
ST1	2'-0"x1'-0" DP	2-20M CONT. LAP BARS 45°	-

- MINIMUM FOOTING DEPTHS ARE MEASURED TO BOTTOM OF FOOTING FROM FINISHED GRADE FOR EXTERIOR FOOTINGS AND FROM TOP OF SLAB ON GRADE FOR INTERIOR FOOTINGS. WHERE GRADE IS HIGHER THAN THE SLAB, MEASURE FROM THE TOP OF THE SLAB TO THE BOTTOM OF THE EXTERIOR FOOTING.
- ANCHOR BOLTS AND EMBEDDED ITEMS ARE NOT TO EXTEND INTO FOOTINGS UNLESS DETAILED OTHERWISE. LOWER FOOTINGS IF REQUIRED TO HAVE THESE ITEMS COMPLETELY WITHIN PIERS OR FOUNDATION WALLS.
- ALL UNLABELLED STRIP FOOTINGS ARE SF1.



ANCHOR BOLT DETAIL
NOT TO SCALE

ANCHOR BOLT SCHEDULE

DIAMETER	MINIMUM EMBED	PROJECTION
1/2"	AS PER DRAWING	4"
3/4"	16"	4"
1 1/4"	24"	4"
2"	44"	4"

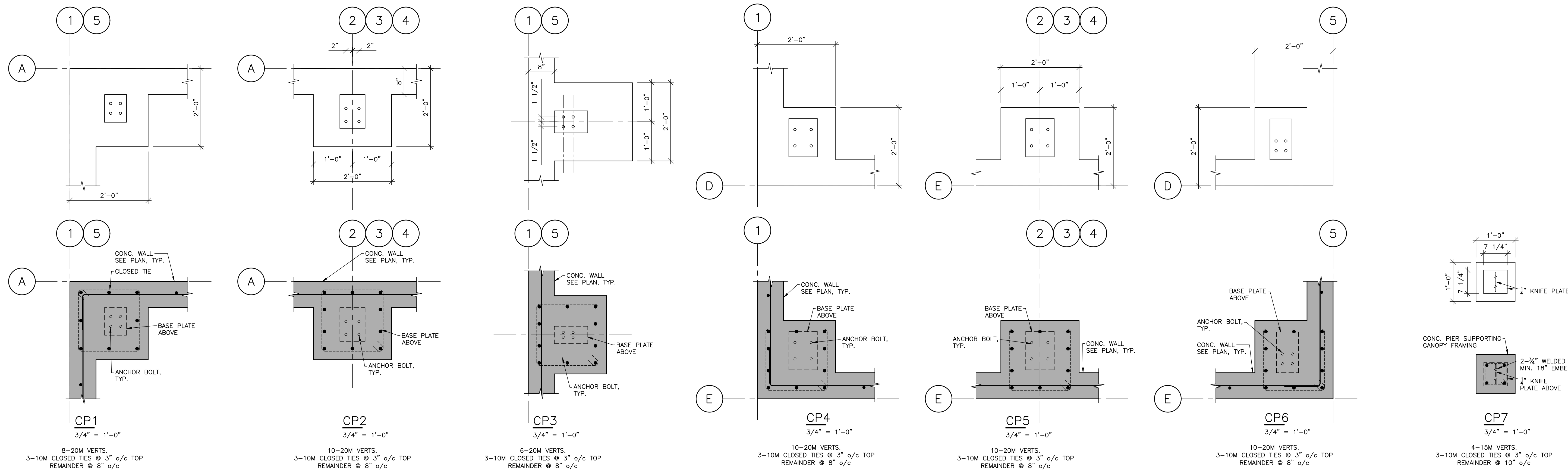
NOTES: ALL BOLTS TO HAVE NUT AND WASHER TACK WELDED TO BOTTOM END

ISSUES	
No.	DATE
01	2020.10.29

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ISSUED FOR TENDER

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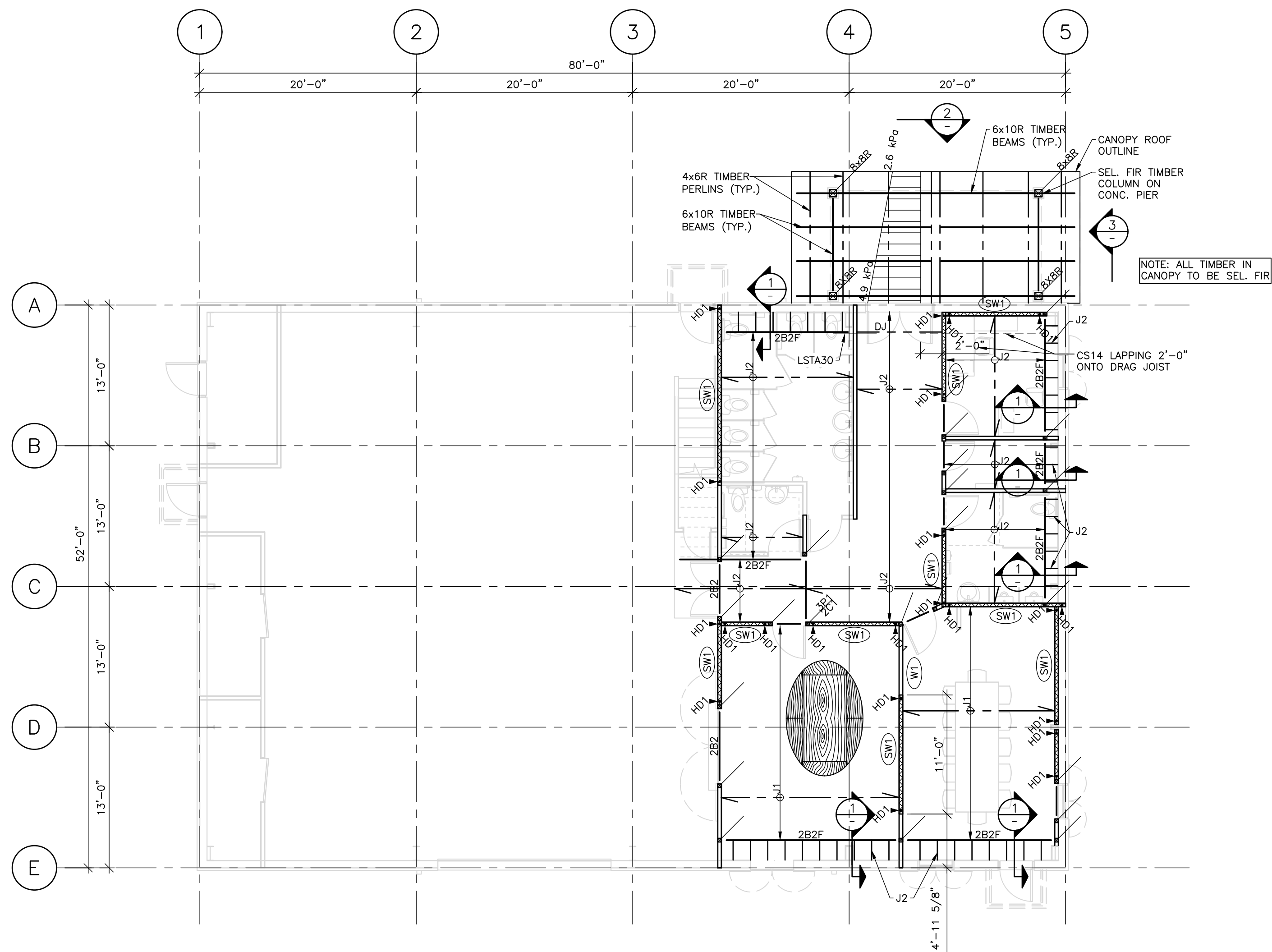
MEADOWOOD COMMUNITY CENTRE

1830 GALVIN PLACE, QUALICUM BEACH, BC

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Tel: 250-751-8558 Fax: 250-751-8559
Email: mail@heroldengineering.com

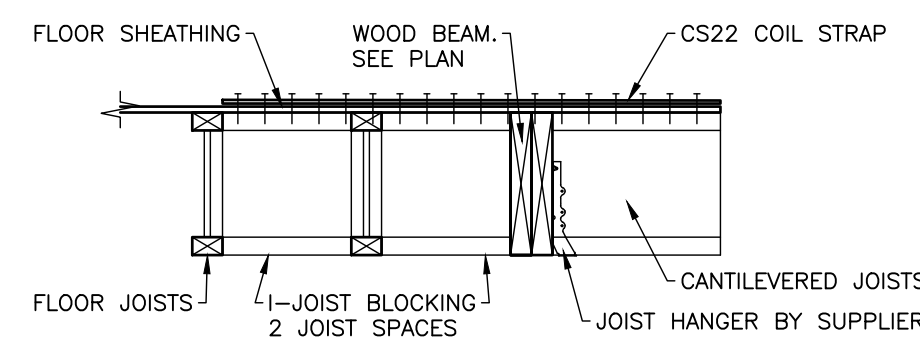
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FOUNDATION PLAN	
DESIGNED	JV
DESIGN REVIEW	ENGINEER'S SEAL
DRAFTED	NW
DRAFTING REVIEW	
PROJECT No.	0837-052
CLIENT DRAWING No.	n/a
SCALE	AS SHOWN
PERMIT No.	n/a
HEL DRAWING No.	S201
REVISION	01

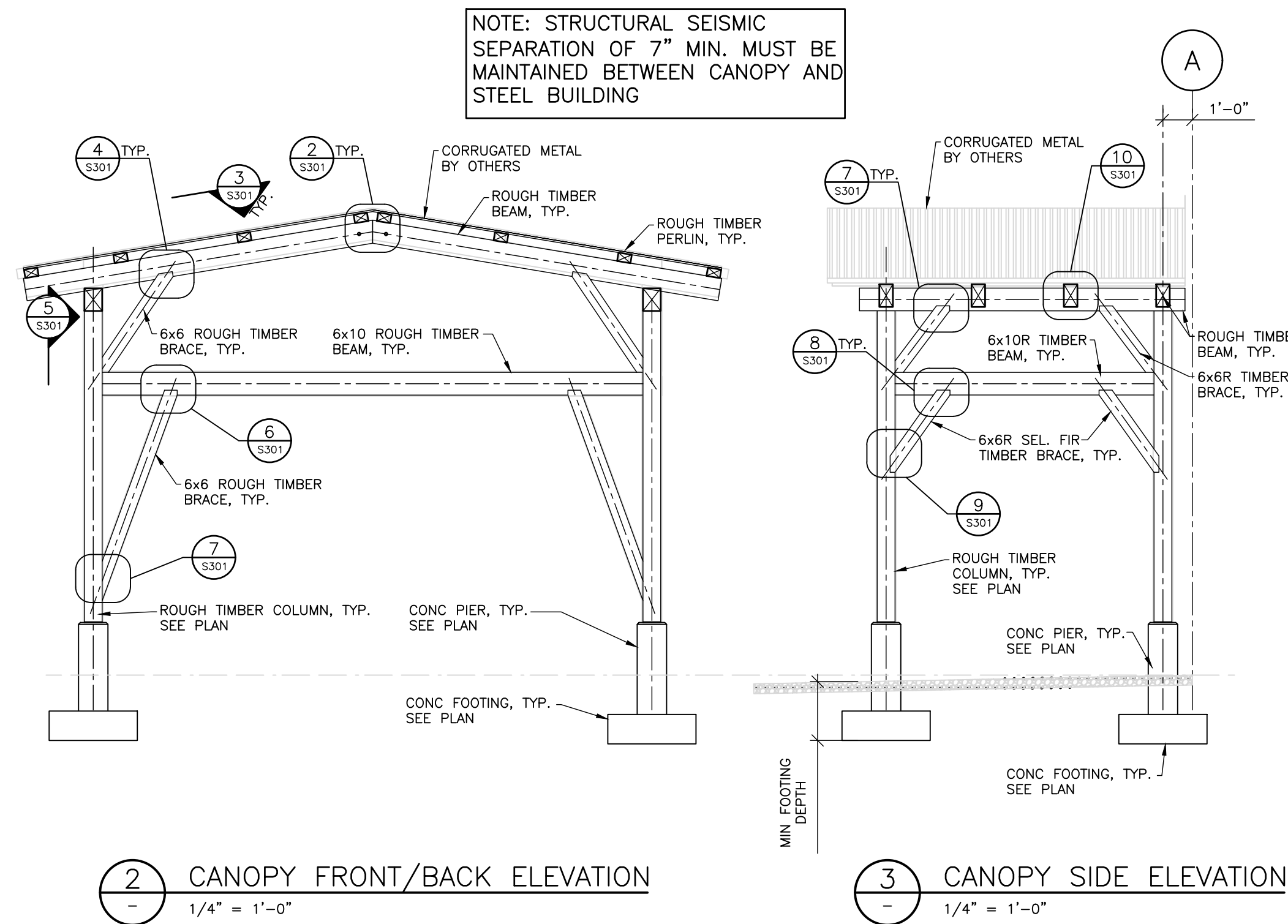


MEZZANINE & CANOPY FRAMING PLAN
1/8" = 1'-0"

NOTE: STRUCTURAL SEISMIC SEPARATION OF 5" MIN. MUST BE MAINTAINED BETWEEN MEZZANINE AND STEEL BUILDING



SECTION 1
3/4" = 1'-0"



2 CANOPY FRONT/BACK ELEVATION
1/4" = 1'-0"

3 CANOPY SIDE ELEVATION
1/4" = 1'-0"

NOTE: STRUCTURAL SEISMIC SEPARATION OF 7" MIN. MUST BE MAINTAINED BETWEEN CANOPY AND STEEL BUILDING

NOTE: THESE PLANS HAVE BEEN PREPARED FROM ARCHITECTURAL BASE PLANS AND PRE-ENGINEERED STEEL BUILDING DRAWINGS. ALL DIMENSIONS ARE TO BE CONFIRMED WITH ARCHITECTURAL AND PRE-ENGINEERED STEEL BUILDING DRAWINGS MARKED 'ISSUED FOR CONSTRUCTION'. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION FOR EVALUATION.

POST SCHEDULE		
POST TYPE	SIZE	CRIPPLE TYPE
P1	2x4 SPF #1/#2	C1

POST LEGEND		
UNLABELLED POSTS TO BE 2 PLY; 1 STUD & 1 CRIPPLE FOR DROPPED BEAMS		
LABELLED POSTS		
TOTAL NUMBER OF PLYS	SIZE OF STUD	#P1
NUMBER OF CRIPPLES	SIZE OF CRIPPLE	#C1
ALL UNLABELLED CRIPPLES ARE 2 PLY		

NOTE: GRAVITY POSTS SPECIFIED HERE AND ON PLAN ARE IN ADDITION TO SHEARWALL POSTS

WOOD BEAM SCHEDULE	
TYPE	SIZE
B1	2x10 SPF #1/#2
B2	1 1/2 x 1 1/2 SCL 2.0E

LEGEND

SIZE OF MEMBER DENOTES FLUSH BEAM

NOTES:

- ALL BEAMS DROPPED U.N.O.
- SCL GRADE TO BE 2.0E U.N.O.
- MULTI PLY SCL NOT ALLOWED UNLESS APPROVED BY ENGINEER
- ALL UNLABELLED BEAMS ARE 2B1

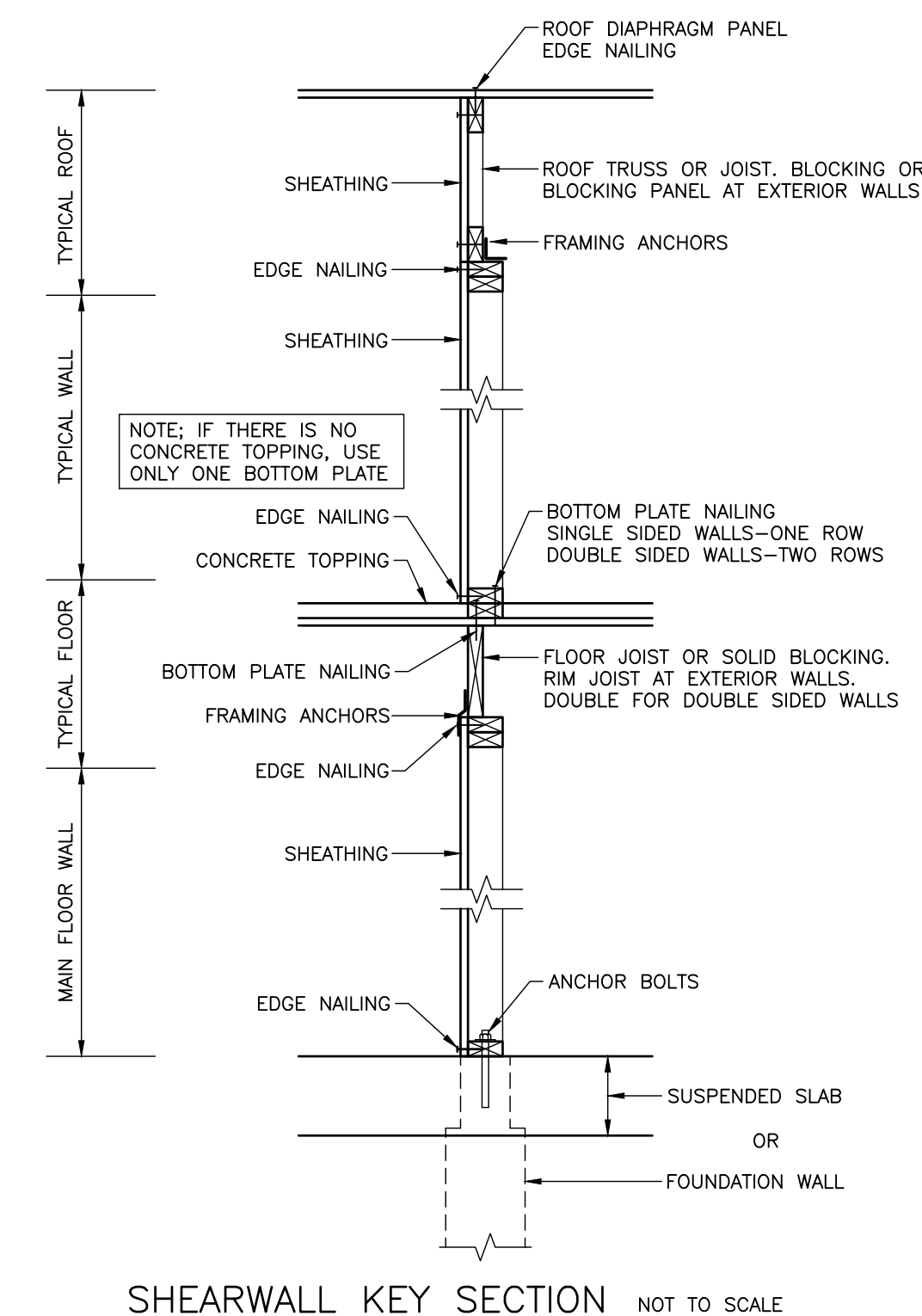
JOIST SCHEDULE	
TYPE	SIZE
J1	1 1/2" I-JOIST @ 12" o/c
J2	1 1/2" I-JOIST @ 19.2" o/c

NOTES:

WALL SCHEDULE	
TYPE	SIZE
W1	2x4 @ 12" o/c SPF #1/#2
W2	2x4 @ 16" o/c SPF #1/#2

NOTES:

- ALL UNLABELLED WALLS TO BE W2.



SHEARWALL KEY SECTION NOT TO SCALE

SHEAR WALL SCHEDULE						
MARK	PLYWOOD	EDGE NAILS	FRAMING ANCHORS	BOTTOM PLATE NAILING	BOTTOM PLATE ANCHOR BOLTS	REMARKS
(SW1)	1/2" PLY ONE SIDES	2 1/2" @ 6" o/c	A35 @ 19.2" o/c		1/2" @ 48" o/c 8" LONG 5" EMBED	

NOTE: SEE DRAWING NOTES ON SHEAR WALL DETAIL SHEET. ALL TIE-DOWNS, HOLD-DOWNS AND FRAMING ANCHORS ARE BY SIMPSON STRONG-TIE UNLESS NOTED OTHERWISE. ALTERNATES ARE TO BE APPROVED IN WRITING BY THE PROJECT ENGINEER PRIOR TO MATERIAL ORDERING. POSTS SPECIFIED HERE ARE IN ADDITION TO GRAVITY POSTS SPECIFIED ON PLAN. STUD SIZE AND SPACING TO BE AS PER BEARING WALL SCHEDULE UNLESS NOTED OTHERWISE HERE OR ON THE PLANS. ALL SHEAR WALL PANEL EDGES ARE TO BE BLOCKED.

HOLD-DOWN SCHEDULE						
MARK	HOLD-DOWN TYPE	ROD DIAMETER	MIN. ROD EMBED	MIN. FULL HEIGHT STUDS AT HOLD-DOWN LEVEL 1	MIN. FULL HEIGHT STUDS AT HOLD-DOWN LEVEL 2	REMARKS
HD1	HDUS	3/8"	20"	2-2x6 E/S OR 2-2x4 E/S	2-2x6 E/S OR 2-2x4 E/S	

NOTE: ALL TIE-DOWNS AND HOLD-DOWNS ARE BY SIMPSON STRONG-TIE. ALTERNATES ARE TO BE APPROVED BY THE ENGINEER PRIOR TO MATERIAL ORDERING.

ISSUES		
No.	DATE	ISSUED FOR
01	2020.10.29	TENDER

SUB CONSULTANT

ISSUED FOR TENDER

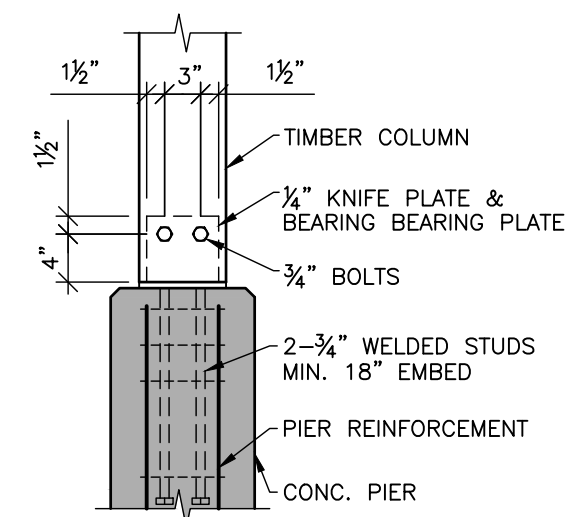
NOT FOR CONSTRUCTION

MEADOWOOD COMMUNITY CENTRE

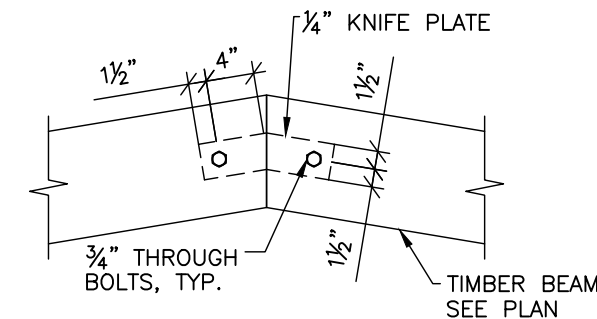
1830 GALVIN PLACE, QUALICUM BEACH, BC

HEROLD ENGINEERING
 3701 Shenton Rd, Nanaimo, BC V9T 2H1
 Tel: 250-751-8558 Fax: 250-751-8559
 Email: mail@heroldengineering.com

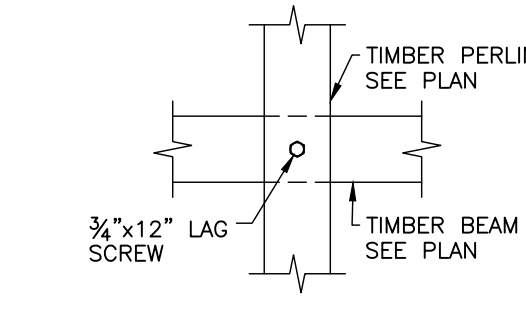
MEZZANINE FRAMING PLANS	
DESIGNED	ENGINEER'S SEAL
DESIGN REVIEW	
DRAFTED	
DRAFTING REVIEW	
PROJECT No.	CLIENT DRAWING No.
0837-052	n/a
SCALE	PERMIT No.
AS SHOWN	n/a
HEL DRAWING No.	REVISION
S202	01



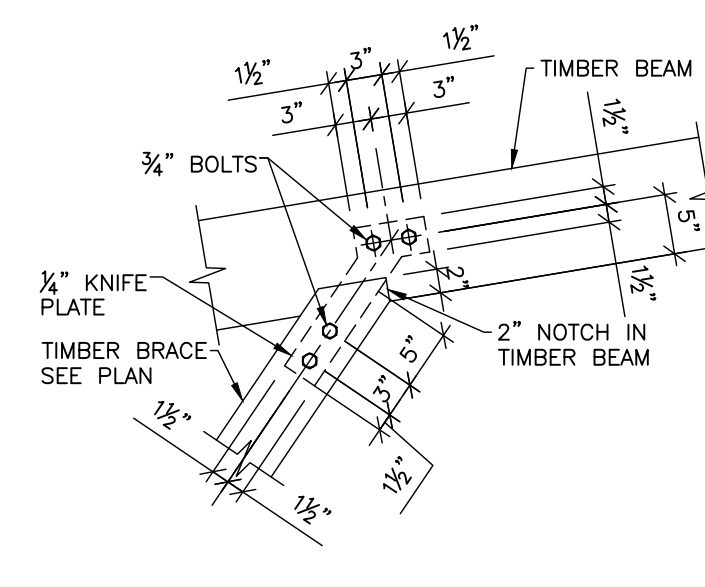
1 SECTION
S201 3/4" = 1'-0"



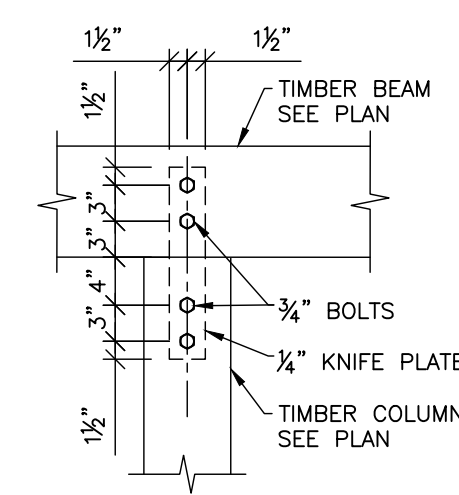
2 CANOPY ELEVATION
S202 3/4" = 1'-0"



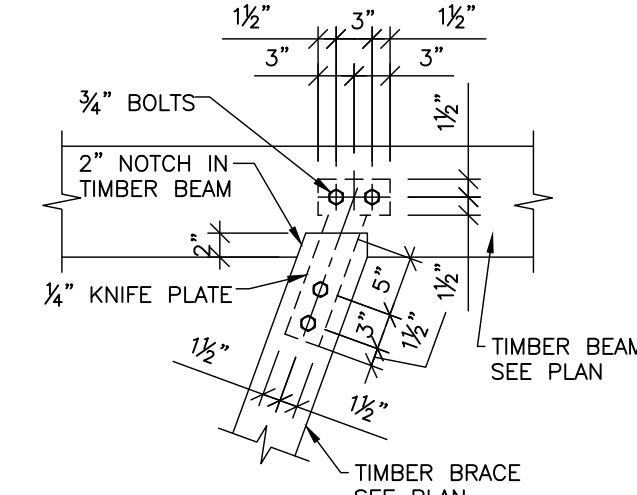
3 CANOPY DETAIL
S202 3/4" = 1'-0"
PLAN VIEW



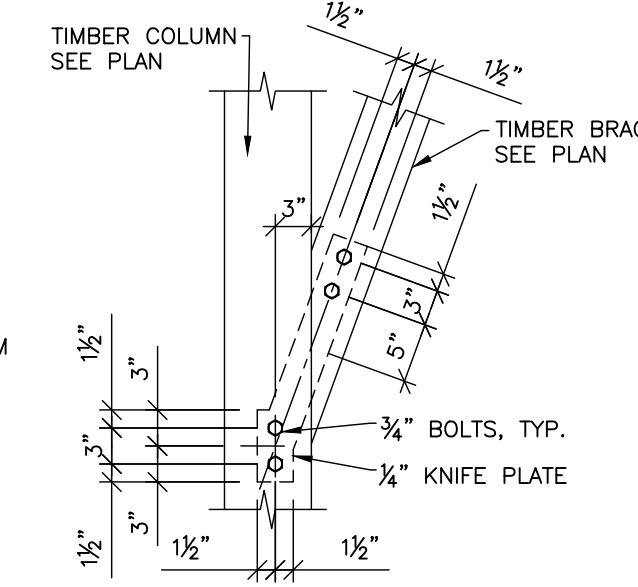
4 CANOPY ELEVATION
S202 3/4" = 1'-0"



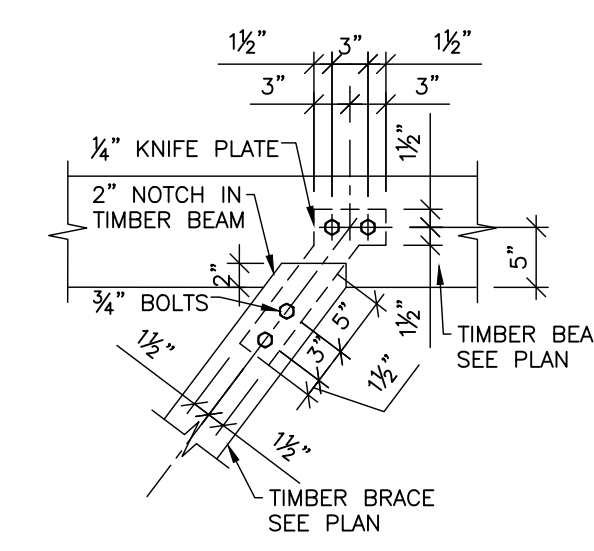
5 CANOPY ELEVATION
S202 3/4" = 1'-0"



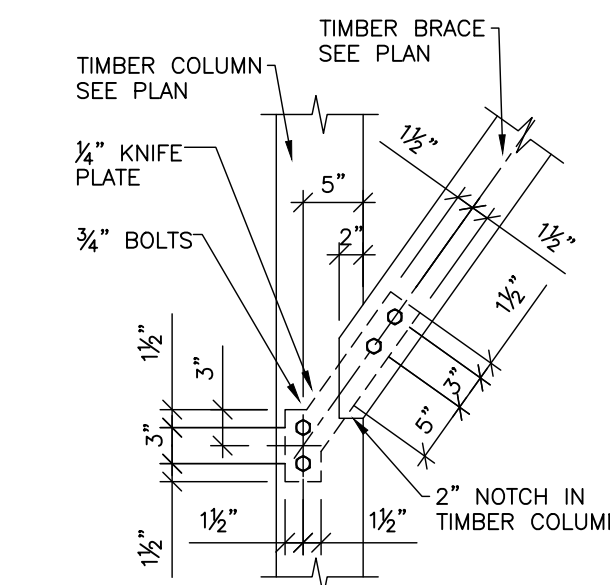
6 CANOPY ELEVATION
S202 3/4" = 1'-0"



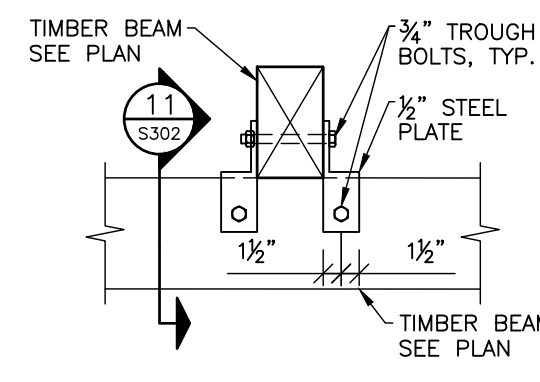
7 CANOPY ELEVATION
S202 3/4" = 1'-0"



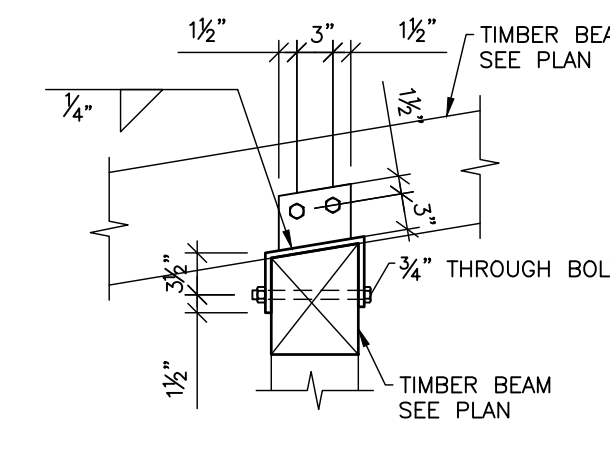
8 CANOPY ELEVATION
S202 3/4" = 1'-0"



9 CANOPY ELEVATION
S202 3/4" = 1'-0"



10 CANOPY SECTION
S202 3/4" = 1'-0"



11 CANOPY SECTION
S202 3/4" = 1'-0"

ISSUES		
No.	DATE	ISSUED FOR
01	2020.10.29	TENDER

ISSUED FOR TENDER

NOT FOR CONSTRUCTION

MEADOWOOD COMMUNITY CENTRE

1830 GALVIN PLACE, QUALICUM BEACH, BC

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SECTIONS AND DETAILS	
DESIGNED JV	ENGINEER'S SEAL
DESIGN REVIEW	
DRAFTED NW	
DRAFTING REVIEW	
PROJECT No. 0837-052	CLIENT DRAWING No. n/a
SCALE AS SHOWN	PERMIT No. n/a
HEL DRAWING No. S301	REVISION 01