

GENERAL

- THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETERS.
- PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR COMPLETION OF THE WORK.
- PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS, AND WITH EXISTING CONDITIONS.
- REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
- DO NOT SCALE THESE DRAWINGS.
- DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THEY DO NOT SHOW TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT. THE CONTRACTOR TO ESTABLISH CONSTRUCTION PROCEDURE AND SEQUENCE TO ENSURE SAFETY OF THE WHOLE STRUCTURE AND ALL ITS COMPONENTS DURING ERECTION.
- MAKE ADEQUATE PROVISIONS FOR ALL LOADS ACTING ON THE STRUCTURE DURING ERECTION. PROVIDE TEMPORARY SHORING AND BRACING TO KEEP THE STRUCTURE PLUMB AND IN TRUE ALIGNMENT DURING CONSTRUCTION.
- CONSTRUCTION LOADS ON COMPLETED STRUCTURE NOT TO EXCEED DESIGN LOADS INDICATED ON DRAWINGS. FULL DESIGN LOADS MAY ONLY BE APPLIED AFTER THE CONCRETE REACHES ITS DESIGN STRENGTH
- NOTIFY THE DEPARTMENTAL REPRESENTATIVE 48 HOURS PRIOR TO CONCRETE POURS, BACKFILLING, AND COVERING UP THE STRUCTURE WITH FINISHES. FOR FIELD REVIEWS TO ENSURE THE STRUCTURAL WORKS DETAILED ON THESE DRAWINGS ARE COMPLETED IN GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THESE REVIEWS DO NOT REPLACE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT AND MAINTAIN A QUALITY CONTROL PROGRAM.

DESIGN CRITERIA

- STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2015 NATIONAL BUILDING CODE (NBC) SUPPLEMENTED BY THE 2015 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.
- ALL REFERENCED STANDARDS SHALL BE THE CURRENT EDITION OF THE EDITION REFERENCED BY THE 2015 NATIONAL BUILDING CODE.
- THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2015 NBC FOR THE SPECIFIC LOCATION OF VICTORIA, BC
- BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A POST DISASTER IMPORTANCE CATEGORY.
- THE BUILDING IS DESIGNED FOR A DEAD LOAD OF 1.0kPa ON THE ROOF AN ADDITIONAL 0.25kPa ABOVE THE GARAGE ROOF FOR THE INSTALLATION OF SOLAR PANELS. THE SECOND FLOOR IS DESIGNED FOR A DEAD LOADING OF 1.95kPa. THE GROUND FLOOR IS DESIGNED FOR A DEAD LOAD OF 1.0kPa. THE MEZZANINE IS DESIGNED FOR A DEAD LOAD OF 1.0kPa.
- THE GROUND FLOOR, STAIRWAY AND MEZZANINE IS DESIGNED FOR A LIVE LOAD OF 4.8kPa. THE UPPER FLOOR IS DESIGNED FOR LIVE LOADING OF 2.4kPa.
- SNOW: S_s = 2.1 kPa; S_r = 0.3 kPa; I_s (ULS) = 1.25; I_s (SLS) = 0.9
- LATERAL LOADS IN THIS STRUCTURE ARE RESISTED BY SHEAR WALLS, AND ARE DETERMINED BASED ON THE WIND AND SEISMIC DATA BELOW.
- WIND: q₅₀ = 0.63 kPa; I_w (ULS) = 1.25; I_w (SLS) = 0.75
TERRAIN TYPE: OPEN
INTERNAL PRESSURE CATEGORY: 2
- SEISMIC
S_a (0.2) = 1.3 R_d = 3.0
S_a (0.5) = 1.16 R_o = 1.7
S_a (1.0) = 0.676 I_e = 1.5
S_a (2.0) = 0.399 SITE CLASSIFICATION = D
PGA = 0.58
SEISMIC FORCE RESISTING SYSTEM (SFRS): WOOD SHEAR WALLS

FOUNDATIONS

- STRUCTURAL DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY WSP CANADA INC, REPORT NUMBER 181-06235-00, DATED OCTOBER 16, 2018 REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL FOUNDATION AND EARTHWORK INFORMATION.
- SET FOUNDATIONS ON HORIZONTAL UNDISTURBED SOIL CAPABLE OF SUPPORTING BEARING PRESSURE OF 225 kPa AT ULS AND 150 kPa AT SLS.
- UNLESS OTHERWISE NOTED, CENTRE FOOTINGS, PIERS, PILES, AND PILE CAPS UNDER CENTROID OF COLUMNS, WHERE THERE ARE NO COLUMNS ABOVE, CENTRE UNDER WALLS OR GRADE BEAMS.
- LOCATE ALL EXISTING UNDERGROUND SERVICES PRIOR TO EXCAVATION.
- PROTECT FOOTINGS, PIERS, PILE TOPS, PILE CAPS, GRADE BEAMS, FOUNDATION WALLS, SLABS-ON-GRADE AND ADJACENT SOIL AGAINST FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION. DO NOT POUR CONCRETE AGAINST FROZEN EARTH.
- DO NOT PLACE CONCRETE IN WATER OR ON FROZEN SOIL.
- DO NOT BACKFILL AGAINST WALLS RETAINING EARTH UNTIL ELEMENTS PROVIDING LATERAL SUPPORT, INCLUDING SLABS ON GRADE AND SUSPENDED LEVELS, ARE COMPLETED AND CONCRETE HAS REACHED 75% OF ITS DESIGN STRENGTH.
- FOR ELEMENTS THAT ARE TO BE BACKFILLED ON BOTH SIDES, PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES SUCH THAT HEIGHTS DO NOT VARY BY MORE THAN 600 (2') FROM ONE SIDE TO THE OTHER.

CONCRETE

- CONFORM TO CSA A23.1 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".
- CONCRETE IS SPECIFIED PER ALTERNATIVE 1 - PERFORMANCE SPECIFICATION, AS OUTLINED IN CAN/CSA A23.1. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
- CONCRETE TO BE NORMAL DENSITY (MIN. 2300 kg/m³) UNLESS NOTED OTHERWISE.
- CEMENT TO BE PORTLAND CEMENT TYPE GU, UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS. CEMENT TO CONFORM TO CSA A3000.
- AGGREGATE TO CONFORM TO CSA A23.1 / A23.2. DO NOT USE RECYCLED CONCRETE AS AGGREGATE.
- CONCRETE ADMIXTURES SHALL NOT CONTAIN CHLORIDES.
- SUBMIT CONCRETE MIX DESIGNS TO DEPARTMENTAL REPRESENTATIVE FOR REVIEW BEFORE START OF WORK.
- INTERIOR APPLICATIONS (INTERIOR SLAB ON GRADE AND CONCRETE TOPPING):
- EXPOSURE CLASS: N
- MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 25 MPa
- NOMINAL SIZE OF COARSE AGGREGATE: 20 (3/4")
- PERIMETER AND EXTERIOR FOUNDATION WALLS AND FOOTINGS:
- EXPOSURE CLASS: F2
- MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 30 MPa
- NOMINAL SIZE OF COARSE AGGREGATE: 20 (3/4")
- ALL OTHER EXTERIOR APPLICATIONS AND GARAGE SLAB ON GRADE:
- EXPOSURE CLASS: C1
- MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 35 MPa
- NOMINAL SIZE OF COARSE AGGREGATE: 20 (3/4")
- PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1 WHENEVER THE OUTDOOR TEMPERATURE IS GREATER THAN 27°C.
- PROTECT CONCRETE FROM FREEZING. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1 WHENEVER OUTDOOR TEMPERATURE IS LESS THAN +5°C. ALL INSULATED COVERS, HEATERS, AND OTHER MATERIALS NEEDED TO PROTECT CONCRETE TO BE ON HAND PRIOR TO POUR. DELIVER CONCRETE AT A TEMPERATURE BETWEEN +15°C AND +27°C. ENSURE A MINIMUM CONCRETE TEMPERATURE OF 10° IS MAINTAINED THROUGHOUT THE CURING PERIOD (MINIMUM 3 DAYS).
- FORMWORK DESIGN, MATERIAL, FABRICATION, AND ERECTION TO CONFORM TO CSA S289.1
- FORMWORK MATERIAL TO BE NEW EXTERIOR PLYWOOD CONFORMING TO CSA 0121, EXCEPT FOR ROUGH CONCRETE IN UNEXPOSED LOCATIONS (SUCH AS FOUNDATIONS) WHERE USED MATERIAL IS ACCEPTABLE.

CONCRETE REINFORCEMENT

- CONFORM TO CSA A23.1 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".
- REINFORCEMENT - DEFORMED BAR REINFORCEMENT CONFORMING TO CSA G30.18 GRADE 400R OR 400W.
- ACCESSORIES, BAR SUPPORTS, AND TIES TO CONFORM TO REINFORCING STEEL INSTITUTE OF CANADA (RSIC) MANUAL OF STANDARD PRACTICE AND CSA A23.1 / A23.2.
- ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH.
- FIELD BENDING OF BARS IS NOT PERMITTED UNLESS INDICATED OR APPROVED BY DEPARTMENTAL REPRESENTATIVE. APPROVED FIELD BENDING TO BE DONE WITHOUT THE USE OF HEAT, THROUGH APPLICATION OF SLOW AND STEADY PRESSURE. REPLACE BARS WITH CRACKS OR SPLITS.
- ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.
- ALL REBAR LAP SPLICES TO BE COMPLETED AS PER THE REINFORCING LAP SPLICES TABLE ON SHEET S1.01.
- WHERE CONCRETE IS CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, MINIMUM CONCRETE COVER TO REINFORCING BARS CLOSEST TO THE CONCRETE SURFACE TO BE 75 (3").
- FOR CLASS IN CONCRETE, MINIMUM CONCRETE COVER TO REINFORCING BARS CLOSEST TO THE CONCRETE SURFACE TO BE 40 (1 1/2") FOR BEAMS AND COLUMNS AND 25 (1") FOR SLABS AND WALLS.
- FOR CLASS C-1 CONCRETE, MINIMUM COVER TO BE 60 (2 1/2") EXCEPT FOR SLABS PROTECTED BY MEMBRANE WHERE THE COVER SHALL BE 40 (1 1/2") TO THE TOP BARS AND 30 (1 1/4") TO THE BOTTOM BARS.
- FOR CLASS F-1 AND F-2 CONCRETE, MINIMUM COVER TO BE 40 (1 1/2").
- INCREASE COVER WHERE REQUIRED TO MAINTAIN MINIMUM RATIO OF COVER TO NOMINAL BAR DIAMETER OF 1 FOR CLASS N, 1.5 FOR CLASSES F1 AND C1 (FOR MEMBRANE PROTECTED SLABS ONLY), AND 2 FOR CLASS C1 (ALL OTHER STRUCTURES).
- ENSURE COVER TO REINFORCEMENT IS MAINTAINED DURING CONCRETE POUR.

STRUCTURAL STEEL

- CONFORM TO CSA S16 "LIMIT STATES DESIGN OF STEEL STRUCTURES".
- FABRICATOR TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2, AND/OR CSA W55.3.
- WELDERS TO BE CWB CERTIFIED. WELDING TO BE IN ACCORDANCE WITH CSA W59.
- MATERIALS (TO CSA G40.21 UNLESS NOTED OTHERWISE):
- WIDE FLANGE SECTIONS AND CHANNELS: GRADE 350W
- PLATES, BARS AND ANGLES: GRADE 300W
- HOLLOW STRUCTURAL SECTIONS (HSS): 350W CLASS 'C' OR ASTM A1085 GRADE 50 (345 MPa)
- BOLTS, NUTS AND WASHERS: ASTM F3125, GRADE A325
- ANCHOR RODS: ASTM F1554 GRADE 36
- SHOP PAINT: CISC/CPMA 1-73A
- SHOP PRIMER PAINT: CISC/CPMA 2-75
- HOT DIP GALVANIZING: ASTM A123/A123M
- DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
- DO NOT OVERSIZE ANCHOR ROD HOLES FOR SITE TOLERANCES. USE HOLE SIZES SUGGESTED IN THE CISC "HANDBOOK OF STEEL CONSTRUCTION".
- PROTECT COMBUSTIBLE MATERIALS AND FINISHES DURING WELDING OPERATIONS.
- ALL STEEL LOCATED OUTSIDE THE BUILDING ENVELOPE'S VAPOUR BARRIER TO BE HOT DIPPED GALVANIZED.
- PROVIDE VENT HOLES IN HSS SECTIONS WHERE REQUIRED FOR GALVANIZING PROCESS. MAXIMUM SIZE 16 (5/8") DIAMETER.
- SHOP DRAWINGS FOR STRUCTURAL STEEL, STEEL CONNECTIONS, AND STEEL JOISTS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR DESIGN, RETAINED BY THE CONTRACTOR AND REGISTERED IN THE PLACE THE PROJECT IS LOCATED.
- CONNECT BEAMS FOR THE FORCES SHOWN ON DRAWINGS USING THE CISC "HANDBOOK OF STEEL CONSTRUCTION". IF NO FORCE IS INDICATED, CONNECT NON-COMPOSITE BEAMS FOR THE REACTION DUE TO MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM IN BENDING, AND CONNECT COMPOSITE BEAMS FOR ONE AND A HALF TIMES THE REACTION DUE TO MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE NON COMPOSITE SECTION IN BENDING.
- WHERE SLOTTED CONNECTIONS ARE SHOWN ON STRUCTURAL DRAWINGS, FINGER TIGHTEN BOLTS TO A SNUG FIT AND BURR THREADS TO PREVENT NUTS FROM WORKING LOOSE.
- PREMIXED GROUT: NON-SHRINK, MINIMUM STRENGTH 40 MPa AT 28 DAYS.
- INSTALL GROUT UNDER BASE PLATES AS SOON AS STEEL WORK IS COMPLETE, IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. PROVIDE 100% CONTACT OVER GROUTED AREA. DO NOT APPLY ANY LOADS TO THE STEELWORK BEFORE GROUT ACHIEVES SUFFICIENT STRENGTH.

STRUCTURAL WOOD

- CONFORM TO CSA 086 "ENGINEERING DESIGN IN WOOD".
- MATERIALS:
- LUMBER: TO CSA 141; KILN DRIED; SPF NO. 2 OR BETTER; MOISTURE CONTENT MAX 19% UNLESS NOTED OTHERWISE ON DRAWINGS
- PLYWOOD SHEATHING: TO CSA 0121 DOUGLAS FIR
- LAMINATED VENEER LUMBER (LVL): MINIMUM GRADE 2.0E, 3100Fb OR BETTER
- LAMINATED STRAND LUMBER (LSL): MINIMUM GRADE 1.55E
- PARALLEL STRAND LUMBER (PSL): MINIMUM GRADE 2.0E
- NAILS: COMMON ROUND STEEL WIRE NAILS
- WOOD BOLTS: ASTM A307
- LAG SCREWS: ANSII/ASME B18.12.1 MACHINE THREADED
- UNLESS NOTED OTHERWISE, ALL WOOD FRAMING DETAILS TO BE IN ACCORDANCE WITH PART 9 OF THE REFERENCED BUILDING CODE.
- PROTECT ALL WOOD PRODUCTS FROM THE ELEMENTS AS REQUIRED TO MAINTAIN THEIR INTEGRITY.
- PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
- SUBSTITUTION OF COMMON NAILS WITH POWER DRIVEN NAILS OF THE SAME LENGTH AND DIAMETER IS ACCEPTABLE. SUBSTITUTION OF POWER DRIVEN NAILS OF SMALLER DIAMETER MUST BE APPROVED IN WRITING BY THE DEPARTMENTAL REPRESENTATIVE PRIOR TO USE. POWER DRIVEN NAILS NOT TO BE OVER-DRIVEN INTO WOOD OR SHEATHING.
- ALL COMPONENTS OF BUILT UP MEMBERS TO BE CONTINUOUS FOR FULL SPAN. DO NOT SPLICE OR USE BUTT JOINTS.
- WHERE STUDS ARE PLACED TOGETHER TO FORM BUILT-UP COLUMNS WITHIN A WALL, (FASTENED TO SHEATHING AT MINIMUM 300 (12") CENTRES), BUILT UP COLUMNS MAY BE FASTENED WITH COMMON NAILS. NAIL INDIVIDUAL STUDS TOGETHER WITH ROWS OF 3.25Ø (0.13Ø) NAILS SPACED AT 225 (9") CENTRES, END NAILS LOCATED 75 (3") FROM BOTH ENDS, AS FOLLOWS:
- 38x89 (2x4): STAGGER NAILS 25 (1") FROM ALTERNATE STUD EDGES
- 38x140 (2x6) AND 38x184 (2x8): PROVIDE TWO ROWS OF NAILS 50 (2") FROM STUD EDGES
- ALTERNATIVELY, BUILT-UP COLUMNS MAY BE FASTENED WITH 5.6Ø (0.22Ø) SDW SCREWS BY SIMPSON STRONG-TIE, ARRANGED AS ABOVE. LENGTH OF SCREW TO PENETRATE OUTER PLY MINIMUM 20 (3/4").
- WHERE LVL / SAWN LUMBER MEMBERS ARE PLACED TOGETHER TO FORM BUILT-UP DROPPED BEAMS OR LIGHTLY LOADED FLUSH BEAMS, BEAMS MAY BE FASTENED WITH COMMON NAILS. NAIL INDIVIDUAL PLIES TOGETHER WITH 3.25Ø (0.13Ø) NAILS SPACED @300 ALONG LENGTH OF BEAM AND 150 (6") FROM EACH END, WITH ROWS CENTRED ON BEAM DEPTH, AS FOLLOWS UNLESS ALTERNATIVE CONNECTION IS SPECIFIED BY SUPPLIER:
- 89 TO 185 (3-1/2" TO 7-1/4") DEEP: 2 ROWS @50 (2")
- 235 TO 300 (9-1/4" TO 11-3/4") DEEP: 3 ROWS @50 (2")
- 300 TO 400 (11-3/4" TO 15-3/4") DEEP: 4 ROWS @50 (2")
- 400 TO 500 (15-3/4" TO 19-3/4") DEEP: 4 ROWS @75 (3")
- ALTERNATIVELY, BUILT-UP BEAMS MAY BE FASTENED WITH 5.6Ø (0.22Ø) SDW SCREWS BY SIMPSON STRONG TIE, ARRANGED AS ABOVE. LENGTH OF SCREW TO PENETRATE OUTER PLY MINIMUM 20 (3/4").
- CARRY ALL POSTS DOWN TO FOUNDATION. PROVIDE SOLID VERTICAL BLOCKING OF MATCHING SIZE OR LARGER AND IN LINE WITH POSTS AT FLOOR LEVELS TO ACT AS SQUASH BLOCKS IN THE FLOOR SYSTEM.
- USE JOISTS HANGERS WHERE JOISTS FRAME INTO SIDES OF SUPPORTS.
- FOR ENGINEERED FLOOR SYSTEMS, ALL RIM BOARD AND BLOCKING MATERIAL TO BE LSL/LVL, MINIMUM THICKNESS 44 (1-3/4") UNLESS NOTED OTHERWISE ON DRAWINGS.
- UNTREATED WOOD NOT TO BE IN DIRECT CONTACT WITH CONCRETE. PROVIDE FOAM GASKET BETWEEN WOOD AND CONCRETE, OR USE PRESSURE TREATED WOOD. REFER TO PLANS FOR ADDITIONAL REQUIREMENTS.
- PREFABRICATED WOOD JOISTS: DESIGN TO THE REFERENCE BUILDING CODE FOR LOADS AND MAXIMUM DEFLECTIONS GIVEN IN CSA 086. DESIGN TO CONTROL VIBRATION PER CSA 086. SHOP DRAWINGS TO INCLUDE ENGINEERED DESIGNS, MATERIAL GRADES, LAYOUT DRAWINGS, BRACING DETAILS, BEARING DETAILS, ANCHORAGE DETAILS AND CONNECTION DETAILS BETWEEN JOISTS AND TO THEIR SUPPORTS. SHOP DRAWINGS (INCLUDING LAYOUTS) TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF BRITISH COLUMBIA, PRIOR TO FABRICATION. SUPPLIER SHALL PROVIDED A SCHEDULE S-B & S-C TO THE ENGINEER OF RECORD IF REQUESTED.
- PREFABRICATED WOOD TRUSSES: TO COMPLY WITH THE TRUSS PLATE INSTITUTE OF CANADA (TPIC) DESIGN SPECIFICATIONS. FABRICATOR TO BE A MEMBER OF THE CANADIAN WOOD TRUSS ASSOCIATION. DESIGN TO THE REFERENCE BUILDING CODE FOR LOADS AND MAXIMUM DEFLECTIONS GIVEN ON DRAWINGS. SHOP DRAWINGS TO INCLUDE ENGINEERED DESIGNS, MATERIAL GRADES, LAYOUT DRAWINGS, BEARING DETAILS, ANCHORAGE DETAILS AND CONNECTION DETAILS BETWEEN TRUSSES, AND TEMPORARY AND PERMANENT BRACING AND BRIDGING DETAILS AFFECTING THE STRUCTURAL CAPACITY OF THE TRUSSES. DESIGN TRUSSES TO SUPPORT ALL OVERBUILD FRAMING REQUIRED FOR ROOF GEOMETRY; DO NOT INTERRUPT ROOF SHEATHING TO ACCOMMODATE OVERBUILD FRAMING. VAULTED TRUSSES NOT TO RELY ON SUPPORTING STRUCTURE TO RESIST HORIZONTAL SPREADING OF TRUSS. SHOP DRAWINGS (INCLUDING LAYOUTS) TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF BRITISH COLUMBIA, PRIOR TO FABRICATION. SUPPLIER SHALL PROVIDED A SCHEDULE S-B & S-C TO THE ENGINEER OF RECORD IF REQUESTED.

REINFORCING LAP SPLICES			
BAR SIZE	VERTICAL LAP	HORIZONTAL LAP	HOOK LENGTH
10M	16" [430mm]	20" [500mm]	7" [180mm]
15M	24" [600mm]	32" [800mm]	10" [250mm]
20M	30" [750mm]	40" [1000mm]	12" [300mm]
25M	48" [1200mm]	60" [1500mm]	16" [400mm]
30M	57" [1450mm]	72" [1850mm]	24" [600mm]

HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS AROUND CORNERS AND HOOKED AT WALL INTERSECTIONS.
ADD 2-15M CONT AT TOPS AND ENDS OF WALLS. UNLESS OTHERWISE NOTED, HOOK AND LAP LENGTHS AS FOLLOWS:

ABBREVIATIONS:

ALT	-	ALTERNATE
A-ROD	-	ANCHOR ROD
BOT	-	BOTTOM
BLDG	-	BUILDING
BM	-	BEAM
BG	-	BEARING
BSMT	-	BASEMENT
BTWN	-	BETWEEN
CJ	-	CRACK CONTROL JOINT
CIP	-	CAST IN PLACE
CJ	-	CONSTRUCTION JOINT
CLR	-	CLEAR
CL	-	CENTER LINE
COL	-	COLUMN
CONC	-	CONCRETE
CONT	-	CONTINUOUS
CP	-	COMPLETE PENETRATION WELD
C/W	-	COMPLETE WITH
DN	-	DOWN
DNW	-	DOUBLE NUT AND WASHER
DP	-	DEEP
DWG	-	DRAWING
DWL	-	DOWEL
EA	-	EACH
EE	-	EACH END
EF	-	EACH FACE
EL	-	ELEVATION
EMBED	-	EMBEDMENT
ES	-	EACH SIDE
EW	-	EACH WAY
EXT	-	EXTERIOR
FL	-	FLOOR
FND	-	FOUNDATION
FTG	-	FOOTING
GALV	-	GALVANIZED
GL	-	GRID LINE
HORIZ	-	HORIZONTAL
H1E	-	HOOK ONE END
H2E	-	HOOK BOTH ENDS
HD	-	HOLD DOWN
HDG	-	HOT DIPPED GALVANIZED
LG	-	LONG
LLH	-	LONG LEG HORIZONTAL
LLV	-	LONG LEG VERTICAL
LONG	-	LONGITUDINAL
MAX	-	MAXIMUM
MIN	-	MINIMUM
NIC	-	NOT IN CONTRACT
NTS	-	NOT TO SCALE
OC	-	ON CENTER
OPP	-	OPPOSITE
PL	-	PLATE
PT	-	PRESSURE TREATED
REINF	-	REINFORCEMENT
REQ'D	-	REQUIRED
REV	-	REVISION
R/W	-	REINFORCE WITH
SC	-	SHEAR COLLECTOR
SDF	-	STEP DOWN FOOTING (IN DIRECTION OF ARROW)
SIM	-	SIMILAR
SOG	-	SLAB ON GRADE
SS	-	STAINLESS STEEL
SST	-	SIMPSON STRONG TIE
ST	-	STRAP
STAGG	-	STAGGERED
STD	-	STANDARD
STIFF	-	STIFFENER
STL	-	STEEL
T&B	-	TOP AND BOTTOM
T&G	-	TONGUE AND GROOVE
T/O	-	TOP OF
TRANS	-	TRANSVERSE
TYP	-	TYPICAL
U-BAR	-	"U" SHAPED BAR
UN, UNO	-	UNLESS NOTED OTHERWISE
UIS	-	UNDERSIDE
VB	-	VAPOUR BARRIER
VERT	-	VERTICAL
WSP-S	-	WSP STRUCTURAL



5		
4	ISSUED FOR TENDER	2018/12/14
3	ISSUED FOR 100% DESIGN	2018/10/30
2	ISSUED FOR 95% DESIGN	2018/09/23
1	ISSUED FOR 60% DESIGN	2018/07/27
0	SCHEMATIC DESIGN	2018/06/27

Revision/ Révision	Description/Description	Date/Date
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Client/client

FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY

VANCOUVER, BC
200-401 BURREAD ST.

Project title/Titre du projet
**25 HURON STREET
VICTORIA, BC**

VICTORIA SAR STATION

Consultant Signature Only
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Designed by/Concept par
DJ

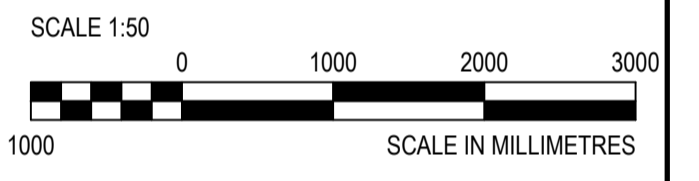
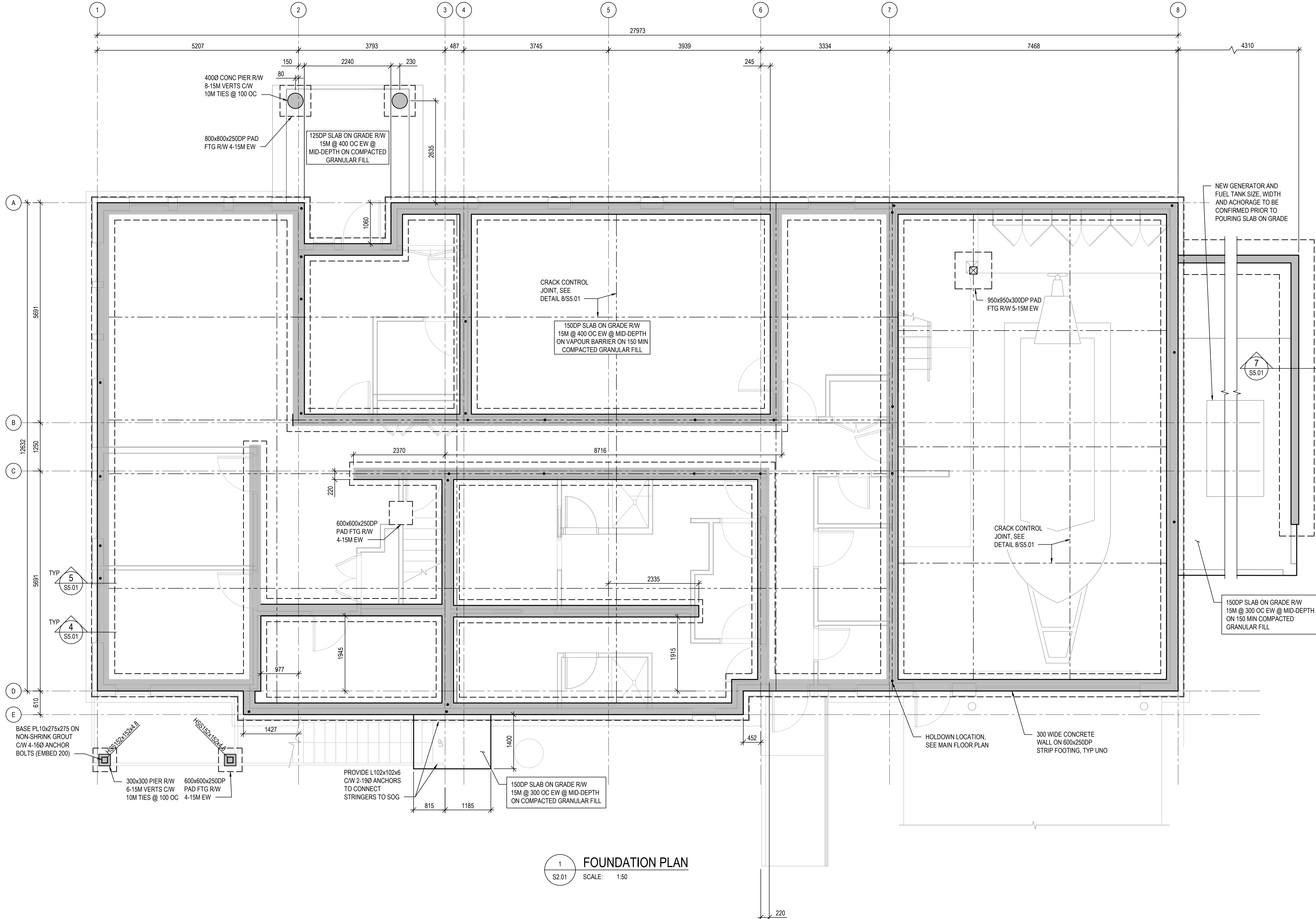
Drawn by/Dessiné par
GM

PWGSC Project Manager/Administrateur de Projets TPSGC
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Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
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Drawing title/Titre du dessin
GENERAL NOTES

Project No./No. du projet 2017567	Sheet/Fauille S1.01 1 OF 11	Revision no./La Révision no. 4
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Revision/	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2018/12/14
3	ISSUED FOR 100% DESIGN	2018/10/30
2	ISSUED FOR 95% DESIGN	2018/08/23
1	ISSUED FOR 60% DESIGN	2018/07/27
0	SCHEMATIC DESIGN	2018/06/27

Client/client

**FISHERIES AND OCEANS,
REAL PROPERTY,
SAFETY AND SECURITY**
VANCOUVER, BC
200-401 BURRARD ST.

Project title/Titre du projet
**25 HURON STREET
VICTORIA, BC**

**VICTORIA SAR
STATION**

Consultant Signature Only
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Designed by/Concept par
DJ

Drawn by/Dessiné par
GM

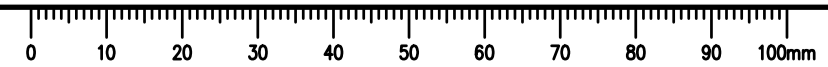
PWGC Project Manager/Administrateur de Projets TPSGC
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Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
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Drawing title/Titre du dessin
FOUNDATION PLAN

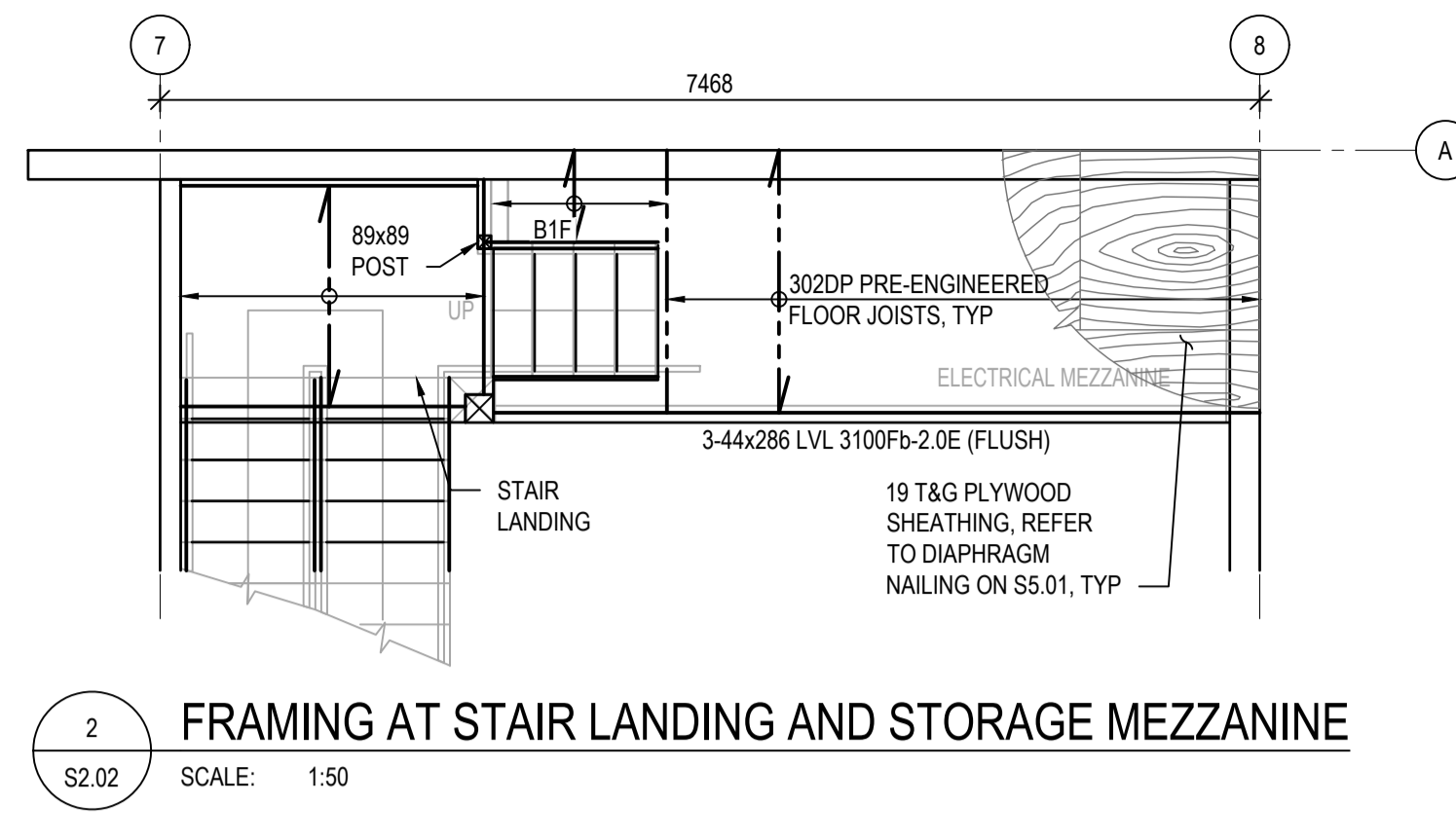
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
2017567	S2.01 2 OF 11	4

1 FOUNDATION PLAN
S2.01 SCALE: 1:50



LEVEL 1 WOOD SHEAR WALL SCHEDULE (REFER TO DETAILS ON SHEET S5.01)							
MARK	SHEATHING	NAIL SPACING		BOTTOM PLATE CONNECTION	HOLD DOWNS	HOLD DOWN STUDS (MIN)	SHEAR CONNECTION AT FLOOR
		EDGE	INTERIOR				
SW1	2 SIDES	125	300	14.5kN/m OR 150 L-ANCHOR BOLTS @ 400 OC (EMBED 150)	CONT ROD - 85kN OR SST ATS-SR7 (GL A- TO C) 45kN OR HDU8 (GL C+ TO D-)	2-PLY D.FIR ES 3-PLY D.FIR	14.5kN/m OR HGA10 @ 400 OC
SW2	2 SIDES	100	300	16kN/m OR 150 L-ANCHOR BOLTS @ 400 OC (EMBED 150)	CONT ROD - 85kN OR SST ATS-SR7 (ENDS) 50kN OR HDU8 (MIDDLE)	2-PLY D.FIR ES 3-PLY D.FIR	16kN/m OR HGA10 @ 300 OC
SW3	2 SIDES	125	300	12kN/m OR 150 L-ANCHOR BOLTS @ 400 OC (EMBED 150)	CONT ROD - 70kN OR SST ATS-SR7	2-PLY D.FIR ES	12kN/m OR HGA10 @ 400 OC
SW7	2 SIDES	125	300	12.5kN/m OR 150 L-ANCHOR BOLTS @ 600 OC (EMBED 150)	CONT ROD - 90kN OR SST ATS-SR8 (GL C TO D) 35kN OR HDU8 (GL A TO B)	2-PLY D.FIR ES 3-PLY D.FIR	12.5kN/m OR HGA10 @ 400 OC
SW8	SEE LEVEL 2 SHEAR WALL SCHEDULE						
SWA	2 SIDES	SEE ELEV	300	20kN/m OR 150 L-ANCHOR BOLTS @ 400 OC (EMBED 150)	SEE ELEVATION	SEE ELEV	SEE ELEVATION
SWB	2 SIDES	100	300	16kN/m OR 150 L-ANCHOR BOLTS @ 400 OC (EMBED 150)	45kN OR HDU8 (ENDS ONLY)	3-PLY D.FIR	16kN/m OR HGA10 @ 300 OC
SWC	2 SIDES	100	300	16kN/m OR 150 L-ANCHOR BOLTS @ 600 OC (EMBED 150)	45kN OR HDU8 (ENDS ONLY)	3-PLY D.FIR	16kN/m OR HGA10 @ 400 OC
SWE	2 SIDES	75	300	20kN/m OR 150 L-ANCHOR BOLTS @ 400 OC (EMBED 150)	CONT ROD - 95kN OR SST ATS-SR8	2-PLY D.FIR ES	20kN/m OR HGA10 @ 300 OC

ALL PLYWOOD TO BE 12.5mm D.FIR, ALL SHEARWALL NAILS TO BE 3.33"x64 LG, PROVIDE BLOCKING AT ALL PLYWOOD PANEL EDGES



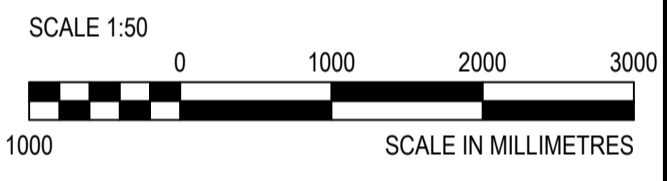
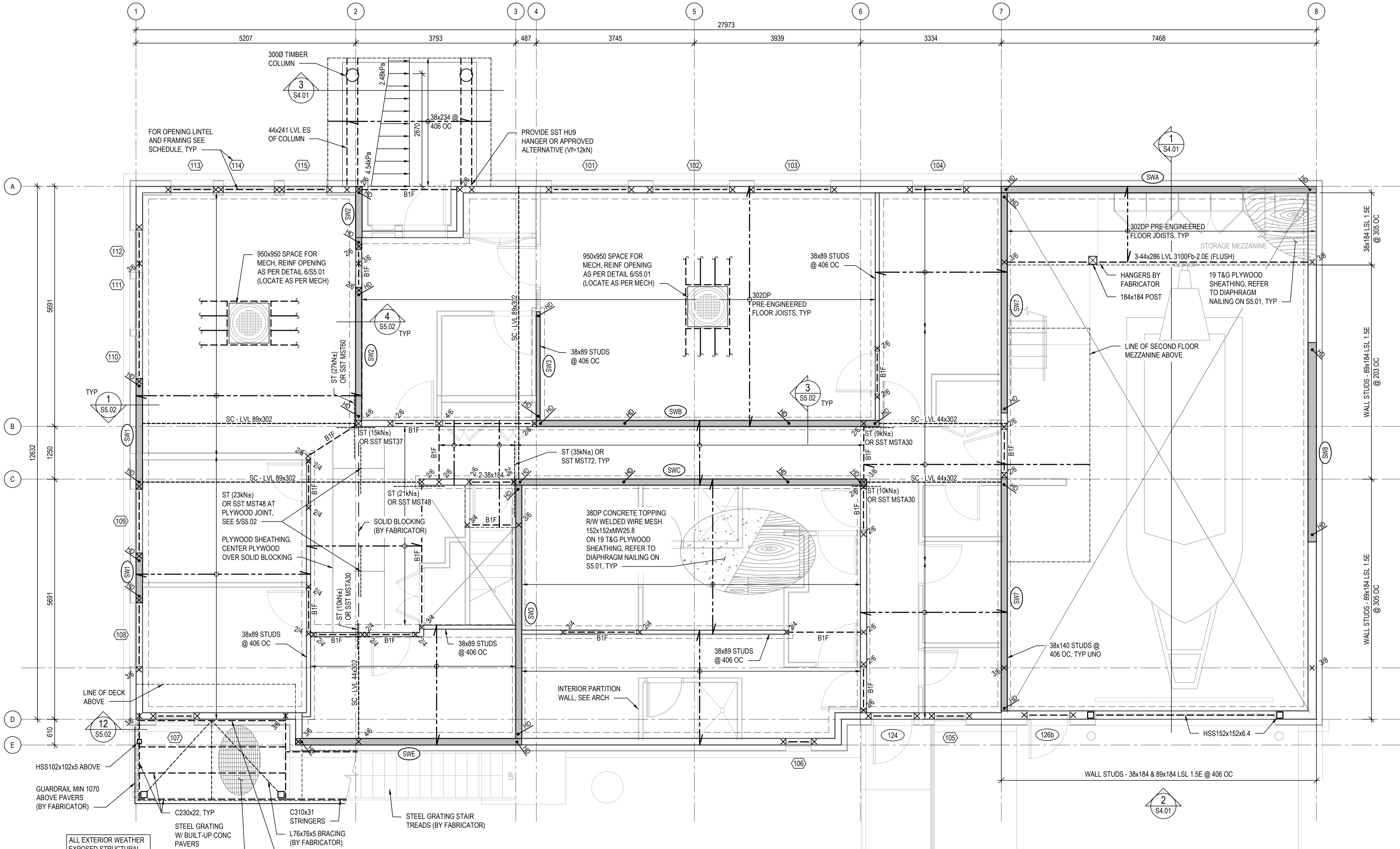
WOOD FRAMING LEGEND

- WOOD BEAM (B1F = FLUSH WOOD BEAM BY FABRICATOR) (HANGERS BY FABRICATOR)
- A = NO. OF PLYS IN BUILT-UP COL
- B = NOMINAL STUD DEPTH (6 = 2x6)
- A = NO. OF KING STUDS
- B = NOMINAL STUD DEPTH (6 = 2x6)
- XX = NO. OF CRIPPLES
- [SC] = SINGLE CRIPPLE
- [DC] = DOUBLE CRIPPLE
- [TC] = TRIPLE CRIPPLE
- FLOOR JOISTS, DESIGNED BY SUPPLIER SEE S1.01 FOR DESIGN CRITERIA
- SHEAR COLLECTOR
- SHEAR COLLECTOR STRAP (REFER TO 6/55.02 DETAILED CONNECTION, TYP UNO)
- STUD WALLS
- SHEAR WALLS, SEE SCHEDULE
- HOLD DOWN, SEE SCHEDULE

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

JOB No. 181-06973-00



Revision/	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2018/12/14
3	ISSUED FOR 100% DESIGN	2018/10/30
2	ISSUED FOR 95% DESIGN	2018/08/23
1	ISSUED FOR 60% DESIGN	2018/07/27
0	SCHEMATIC DESIGN	2018/06/27

FISHERIES AND OCEANS,
REAL PROPERTY,
SAFETY AND SECURITY

VANCOUVER, BC
200-401 BURRARD ST.

Project title/Titre du projet
25 HURON STREET
VICTORIA, BC

VICTORIA SAR STATION

Consultant Signature Only

Designed by/Concept par
DJ

Drawn by/Dessiné par
GM

PWGSC Project Manager/Administrateur de Projets TPSGC

Regional Manager, Architectural and Engineering Services
Gestionnaire régional, Services d'architecture et de génie, TPSGC

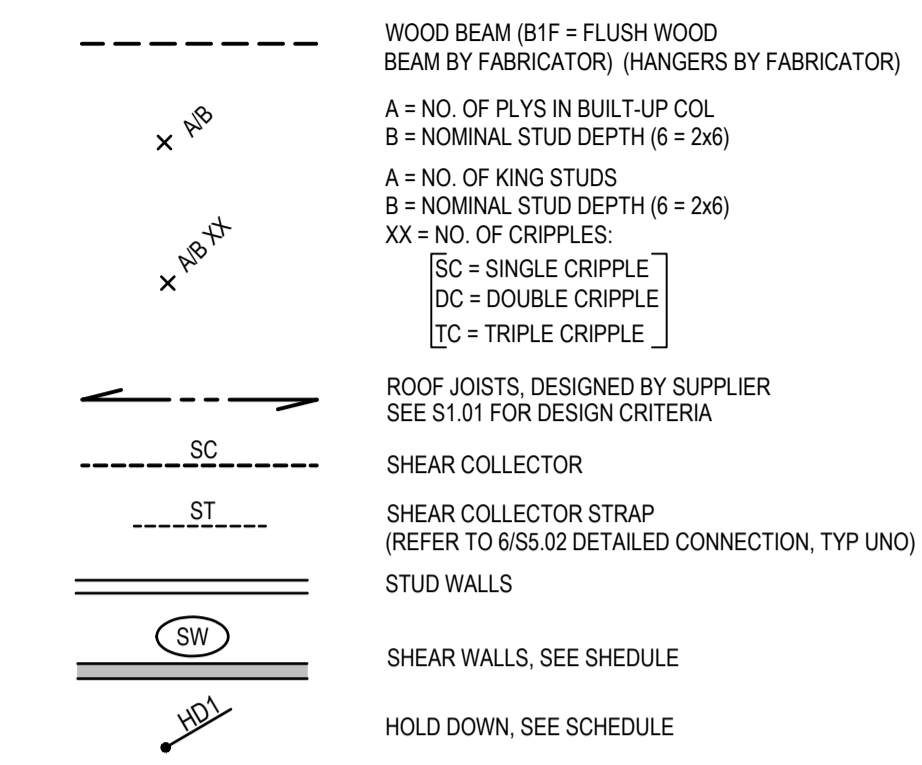
Drawing title/Titre du dessin
MAIN FLOOR PLAN WITH
SECOND FLOOR FRAMING

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
2017567	S2.02 3 OF 11	4

LEVEL 2 WOOD SHEAR WALL SCHEDULE (REFER TO DETAILS ON SHEET S5.01)							
MARK	SHEATHING	NAIL SPACING		BOTTOM PLATE CONNECTION	HOLDOWNS	HOLDOWN STUDS (MIN)	SHEAR CONNECTION AT ROOF
		EDGE	INTERIOR				
SW1	1 SIDE	75	300	10kN/m OR 2-ROWS NAILS @ 150 OC	CONT ROD - 40KN OR SST ATS-SR5	1-PLY D.FIR ES	10kN/m OR HGA10 @ 400 OC
SW2	1 SIDE	125	300	7.5kN/m OR 2-ROWS NAILS @ 200 OC	CONT ROD - 35KN OR SST ATS-SR5	1-PLY D.FIR ES	7.5kN/m OR HGA10 @ 600 OC
SW3	1 SIDE	100	300	9kN/m OR 2-ROWS NAILS @ 125 OC	CONT ROD - 35KN OR SST ATS-SR5	2-PLY D.FIR ES	9kN/m OR HGA10 @ 400 OC
SW7	2 SIDES	125	300	15kN/m OR 2-ROWS NAILS @ 100 OC	CONT ROD - 58KN OR SST ATS-SR6	2-PLY D.FIR ES	15kN/m OR HGA10 @ 400 OC
SW8	1 SIDE	100	300	8kN OR 150 L-ANCHOR BOLTS @ 1200 OC (EMBED 150)	50KN OR HDU8	SEE ELEV	8kN/m OR HGA10 @ 600 OC
SWA	2 SIDES	SEE ELEV	300	SEE ELEVATION	SEE ELEVATION	SEE ELEV	4kN/m OR HGA10 @ 600 OC
SWA.1	2 SIDES	125	300	SEE ELEVATION	29KN OR HDU5	2-PLY D.FIR	11kN/m OR HGA10 @ 400 OC
SWB	2 SIDES	100	300	19kN/m OR 2-ROWS NAILS @ 75 OC	CONT ROD - 70KN OR SST ATS-SR7 (BOTH LEVELS)	2-PLY D.FIR ES	19kN/m OR HGA10 @ 300 OC
SWC	2 SIDES	100	300	19kN/m OR 2-ROWS NAILS @ 75 OC	CONT ROD - 70KN OR SST ATS-SR7 (BOTH LEVELS)	2-PLY D.FIR ES	19kN/m OR HGA10 @ 300 OC
SWE	1 SIDE	125	300	12kN/m OR 2-ROWS NAILS @ 150 OC	CONT ROD - 35KN OR SST ATS-SR5	1-PLY D.FIR ES	12kN/m OR HGA10 @ 400 OC

ALL PLYWOOD TO BE 12.5mm D.FIR, ALL SHEARWALL NAILS TO BE 3.33"x64 LG, ALL BOTTOM PLATE NAILS TO BE 3.66"x76LG, PROVIDE BLOCKING AT ALL PLYWOOD PANEL EDGES

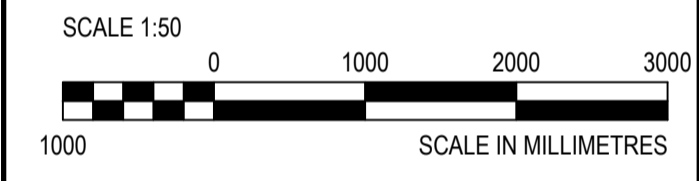
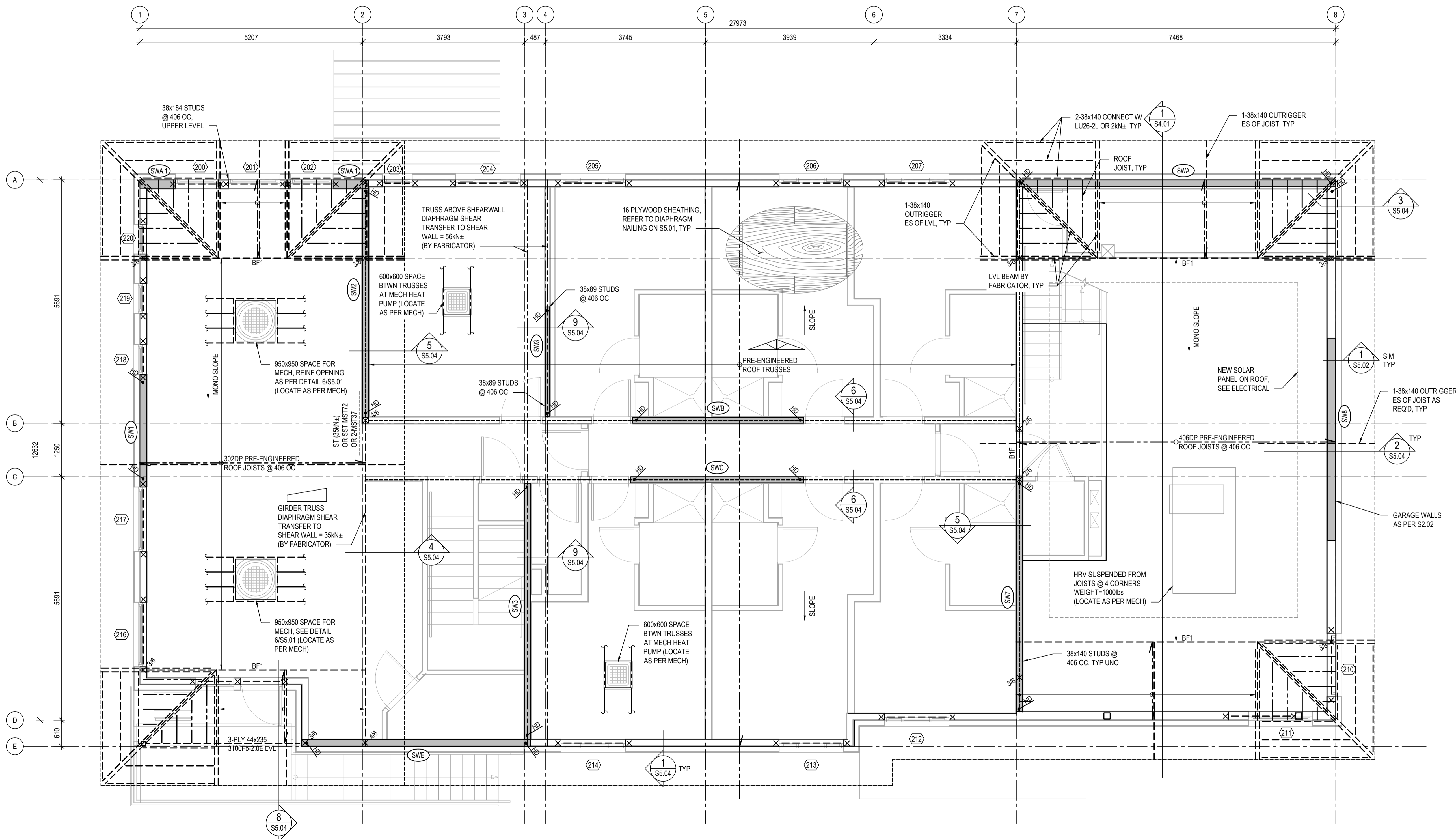
WOOD FRAMING LEGEND



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Région de Pacifique

JOB No. 181-06973-00



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Client/client
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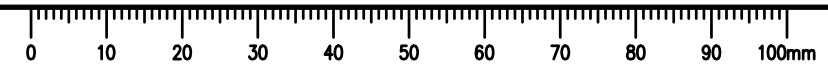
Project title/Titre du projet
25 HURON STREET VICTORIA, BC
VICTORIA SAR STATION

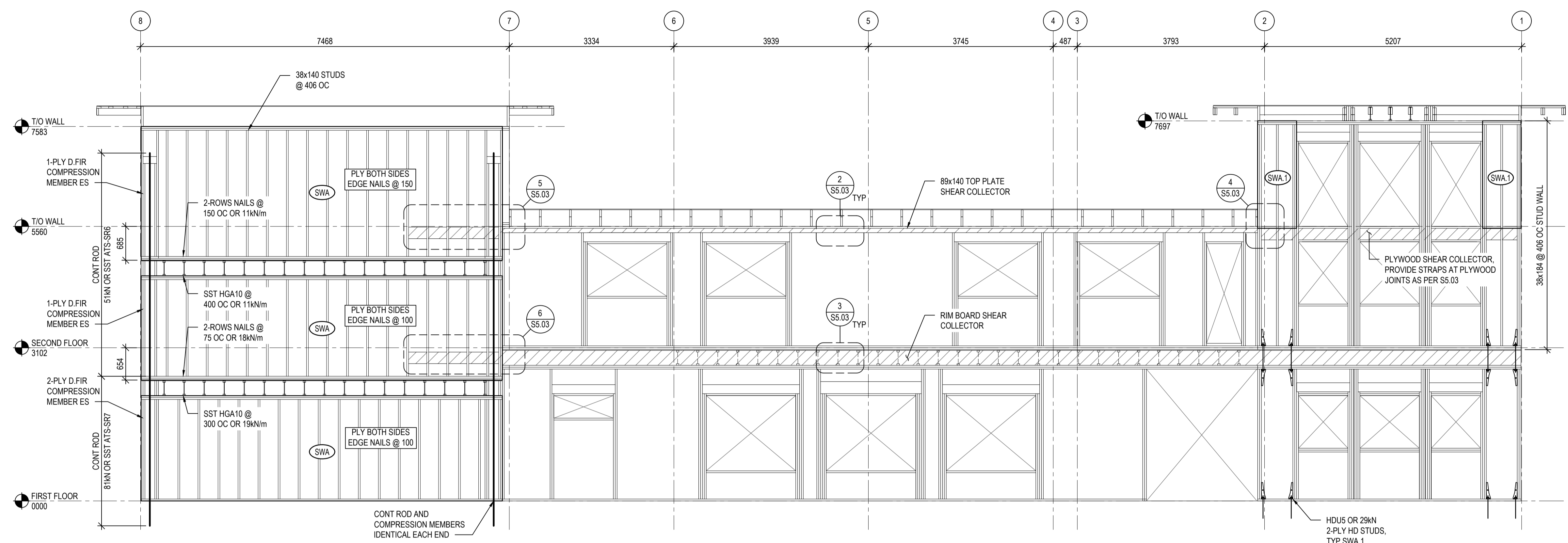
Consultant Signature Only
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Designed by/Concept par
DJ
Drawn by/Dessiné par
GM
PWGSC Project Manager/Administrateur de Projets TPSGC
--
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
--

Drawing title/Titre du dessin
SECOND FLOOR PLAN WITH ROOF FRAMING

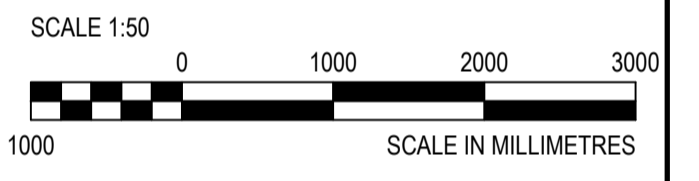
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
2017567	S2.03 4 OF 11	4

1 SECOND FLOOR PLAN WITH ROOF FRAMING
S2.03 SCALE: 1:50





1 SHEARWALL A - ELEVATION
SCALE: 1:50



Revision/	Description/Description	Date/Date
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Project title/Titre du projet
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VICTORIA, BC**

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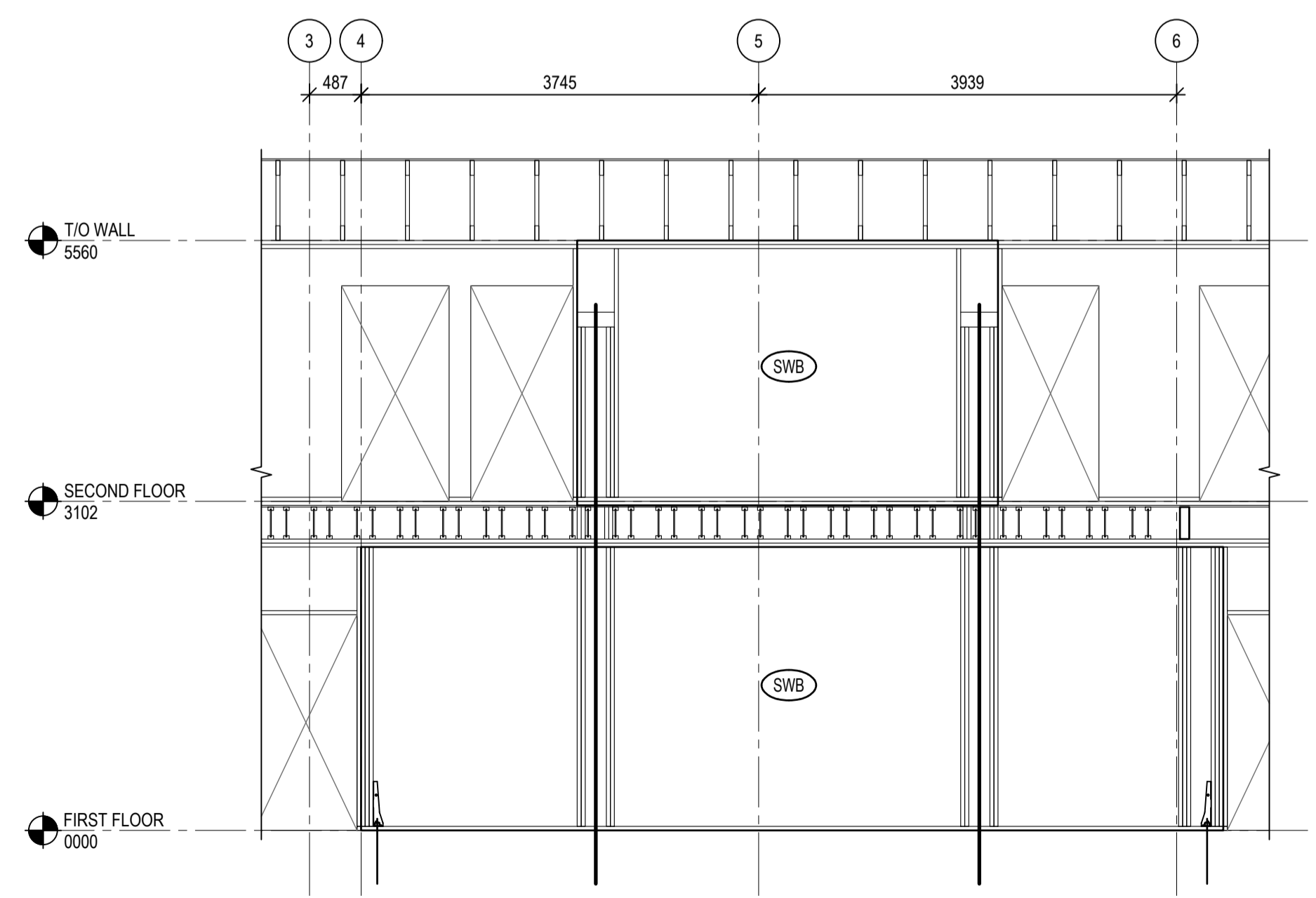
Drawn by/Dessiné par
GM

PWGC Project Manager/Administrateur de Projets TPSGC
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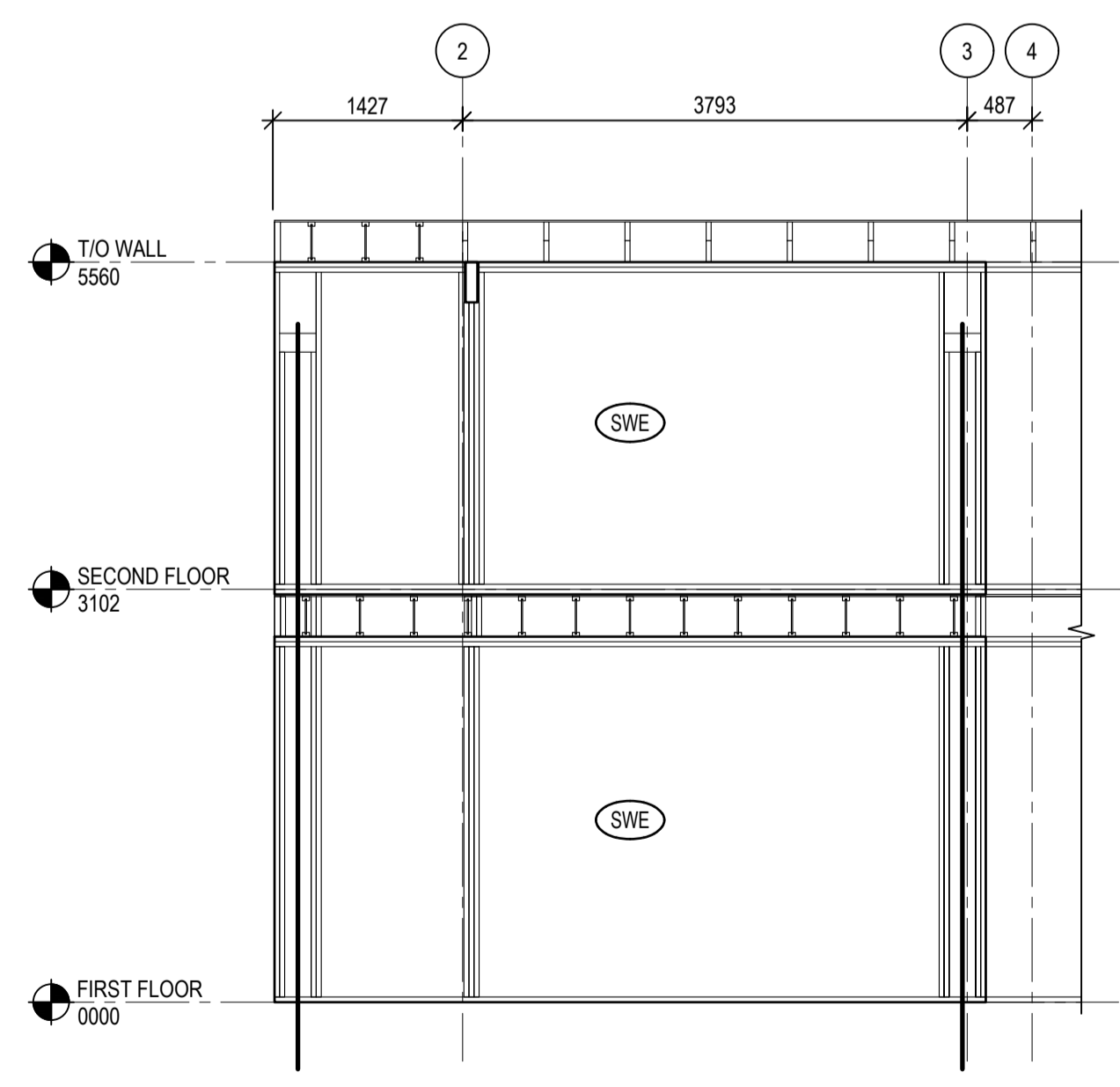
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
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Drawing title/Titre du dessin
SHEARWALL FRAMING ELEVATIONS

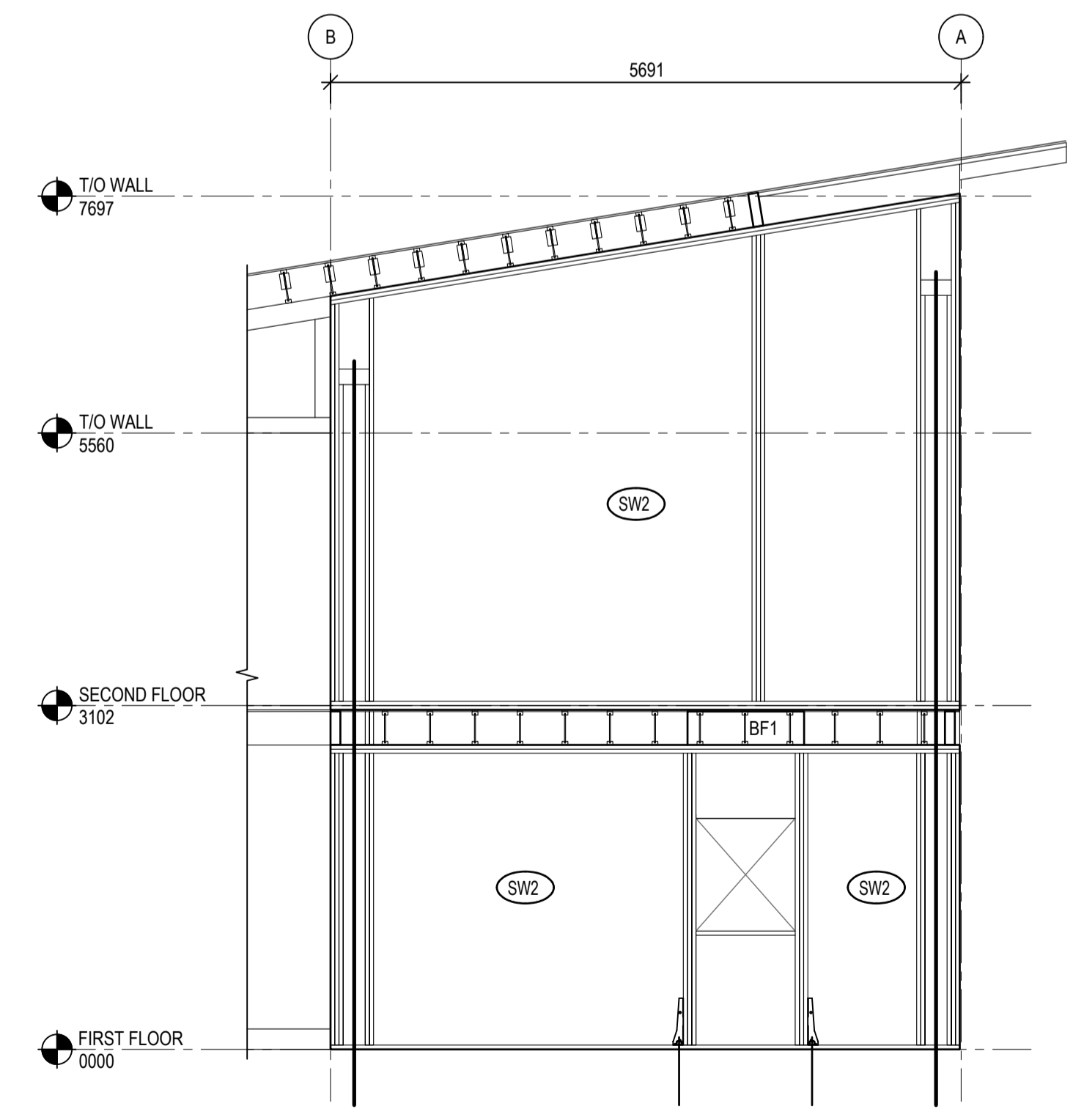
Project No./No. du projet 2017567	Sheet/Fauille S3.01 5 OF 11	Revision no./ La Révision no. 4
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2 SHEARWALL B - ELEVATION
(SHEARWALL C SIMILAR)
SCALE: 1:50



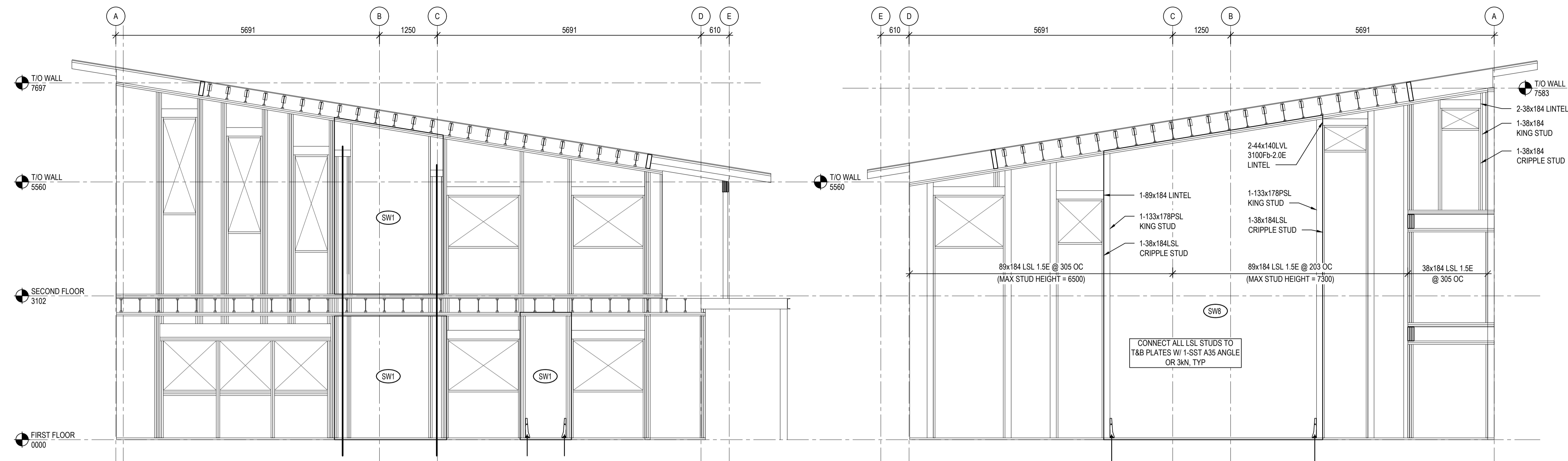
3 SHEARWALL E - ELEVATION
SCALE: 1:50



4 SHEARWALL 2 - ELEVATION
SCALE: 1:50

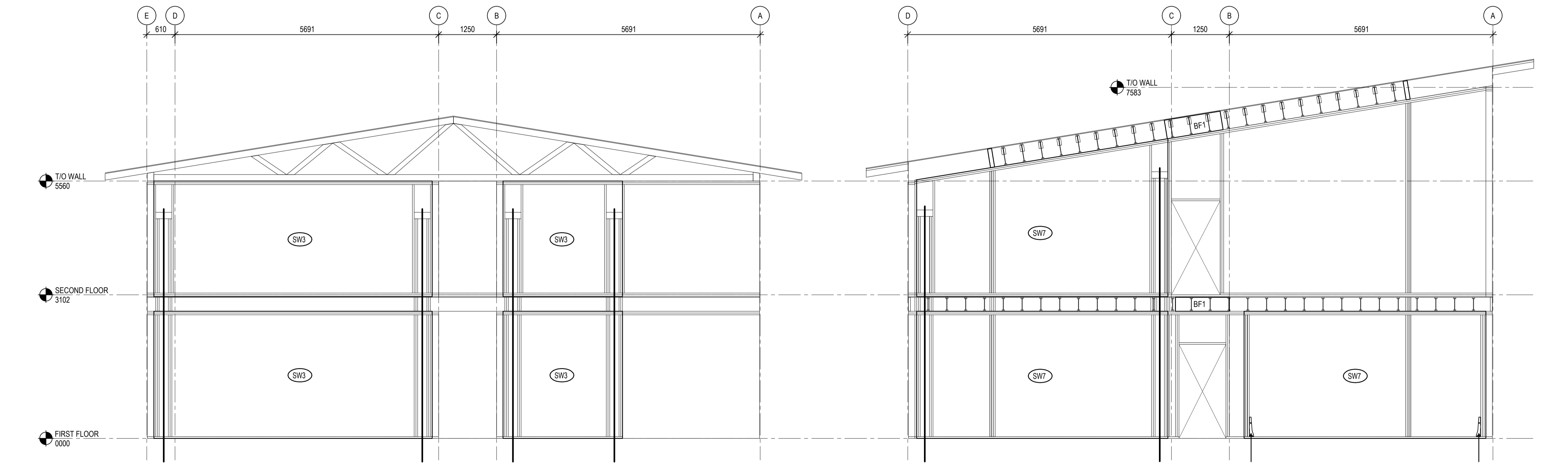
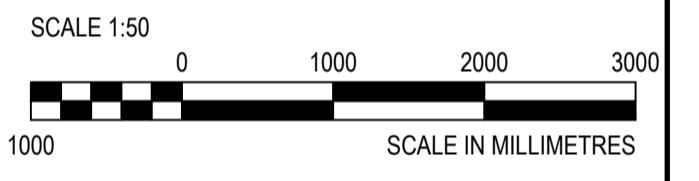


JOB No. 181-06973-00



1 SHEARWALL 1 - ELEVATION
S3.02 SCALE: 1:50

2 SHEARWALL 8 - ELEVATION
S3.02 SCALE: 1:50



3 SHEARWALL 3 - ELEVATION
S3.02 SCALE: 1:50

4 SHEARWALL 7 - ELEVATION
S3.02 SCALE: 1:50

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Client/client

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VANCOUVER, BC
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Project title/Titre du projet
25 HURON STREET
VICTORIA, BC

**VICTORIA SAR
STATION**

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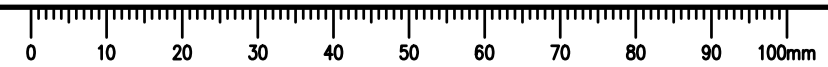
Drawn by/Dessiné par
GM

PWGSC Project Manager/Administrateur de Projets TPSGC
--

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
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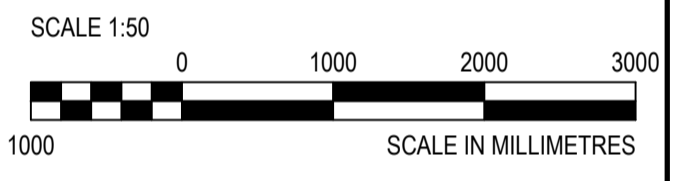
Drawing title/Titre du dessin
SHEARWALL FRAMING ELEVATIONS

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
2017567	S3.02 6 OF 11	4





JOB No. 181-06973-00



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5		
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FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY
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Project title/Titre du projet
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VICTORIA SAR STATION

Consultant Signature Only
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 DJ

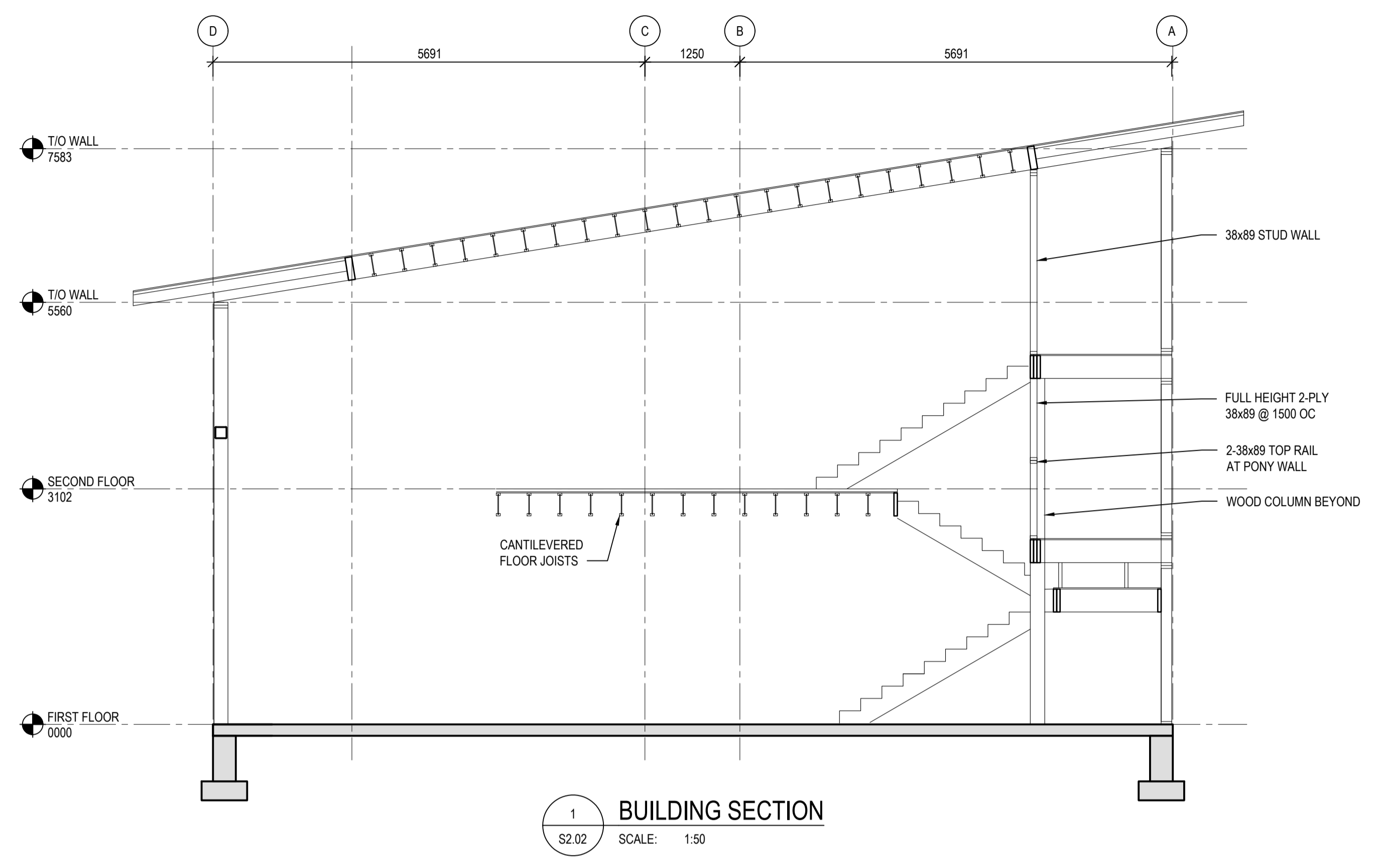
Drawn by/Dessiné par
 GM

PWGC Project Manager/Administrateur de Projets TPSCG
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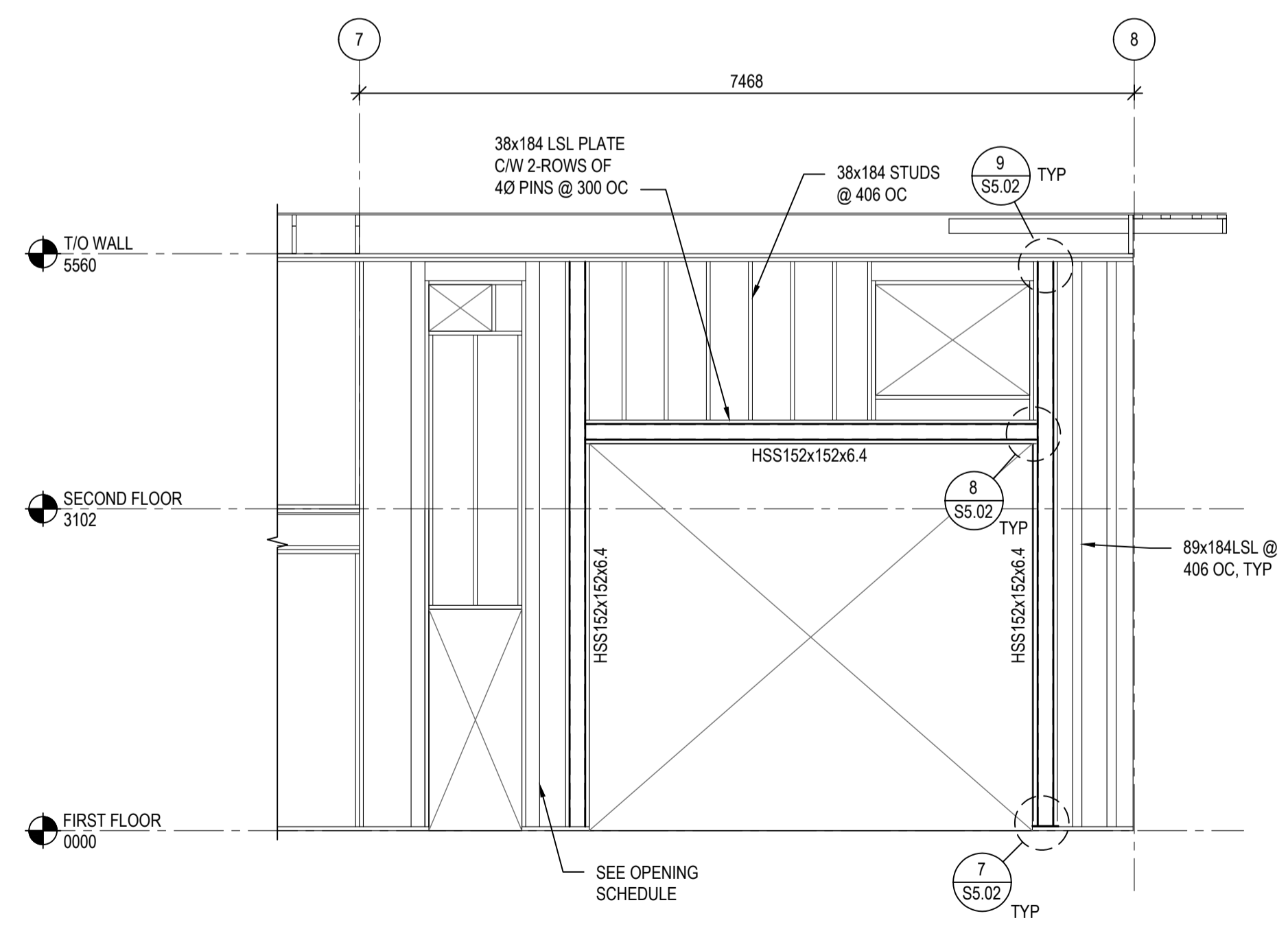
Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architecture et de génie, TPSCG
 --

Drawing title/Titre du dessin
BUILDING SECTION AND WALL FRAMING ELEVATION

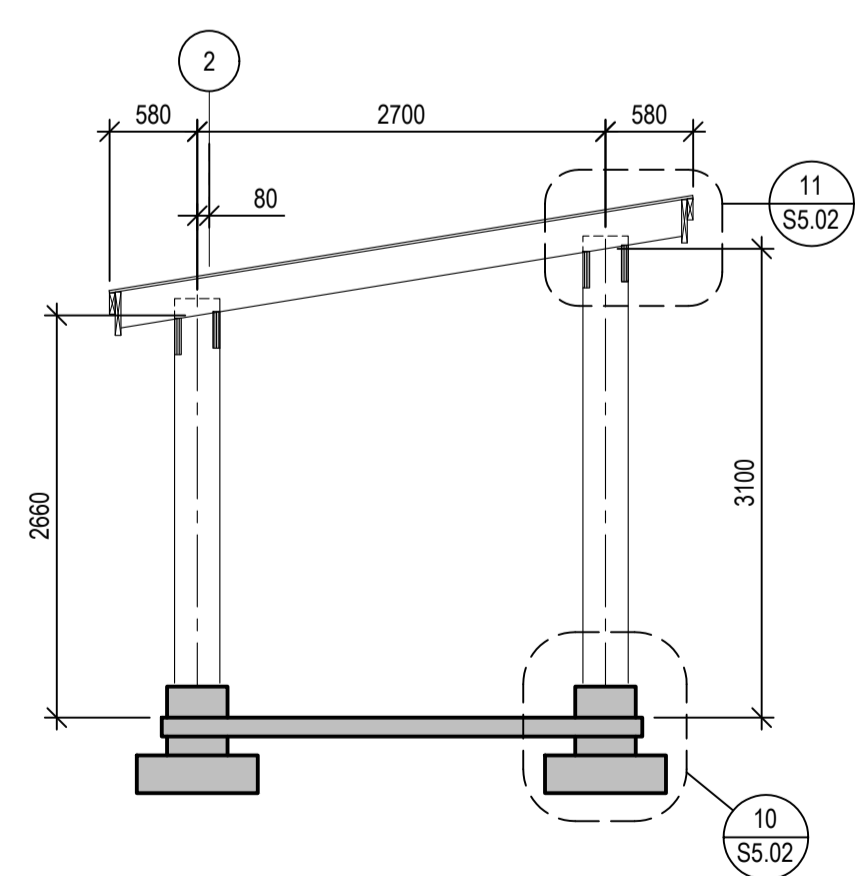
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
2017567	S4.01 7 OF 11	4



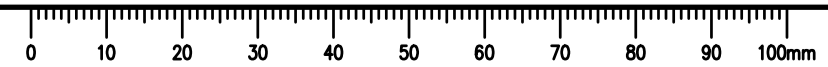
1 BUILDING SECTION
 S2.02 SCALE: 1:50



2 WALL FRAMING ELEVATION
 S2.02 SCALE: 1:50

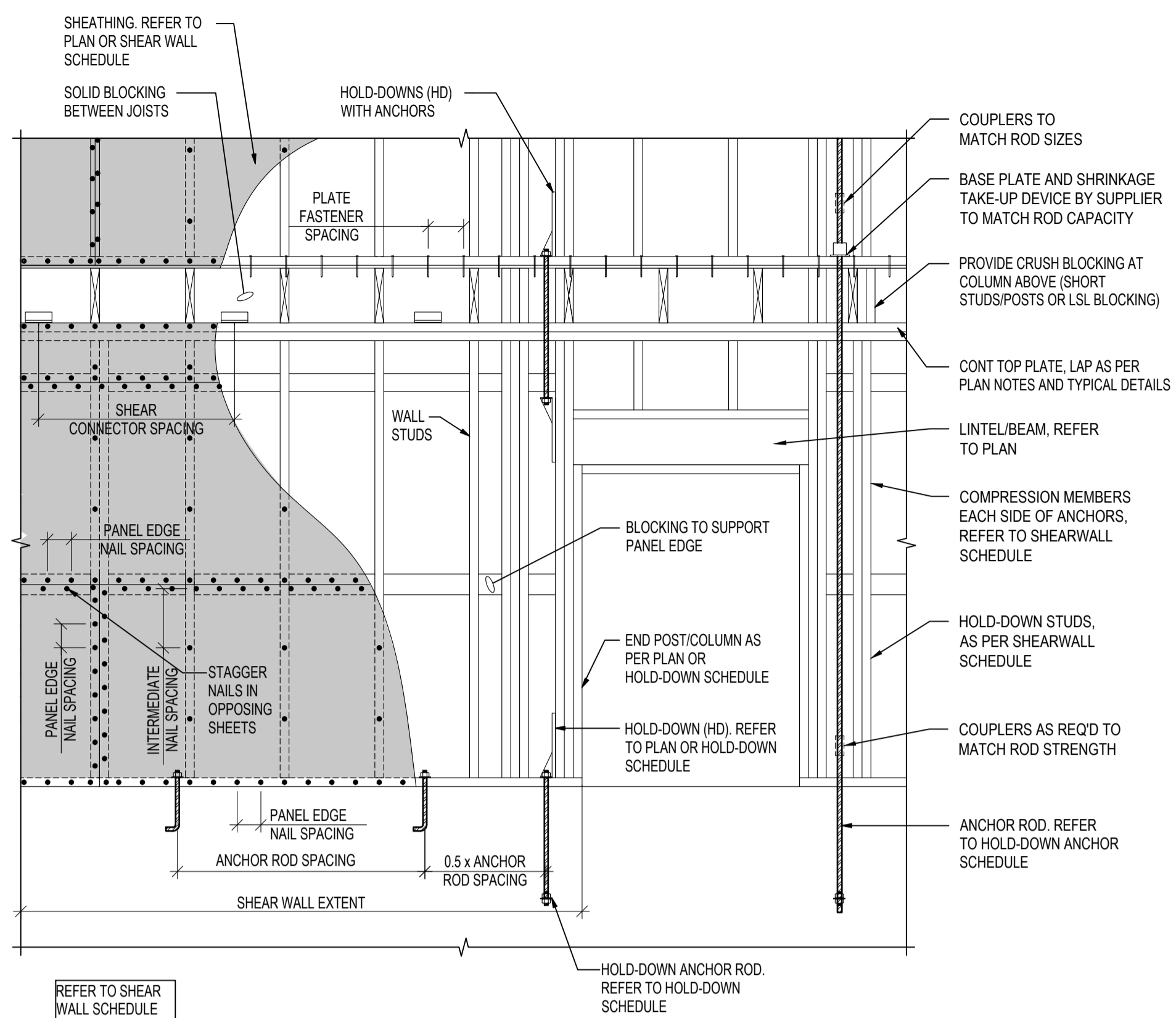


3 SECTION AT CANOPY
 S2.02 SCALE: 1:50



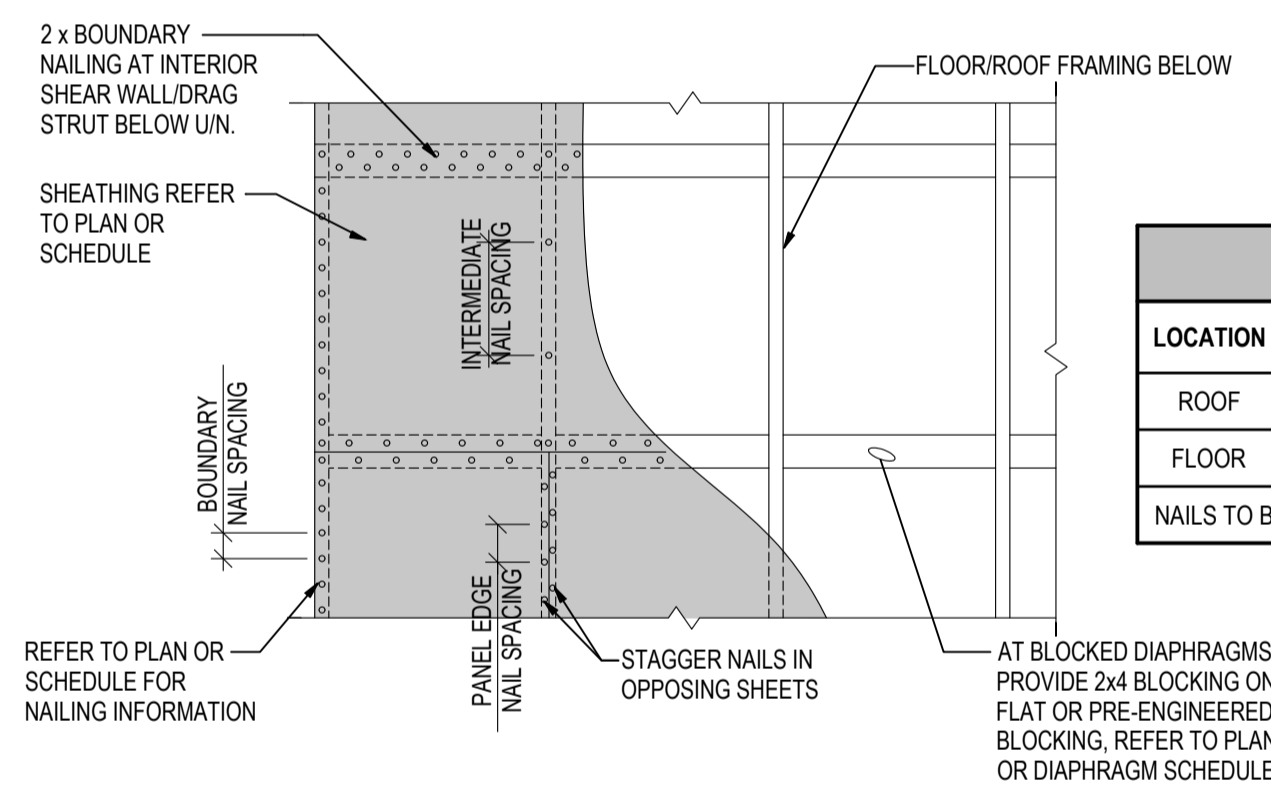


JOB No. 181-06973-00



1 TYPICAL GROUND FLOOR SHEARWALL
S5.01 SCALE: NTS

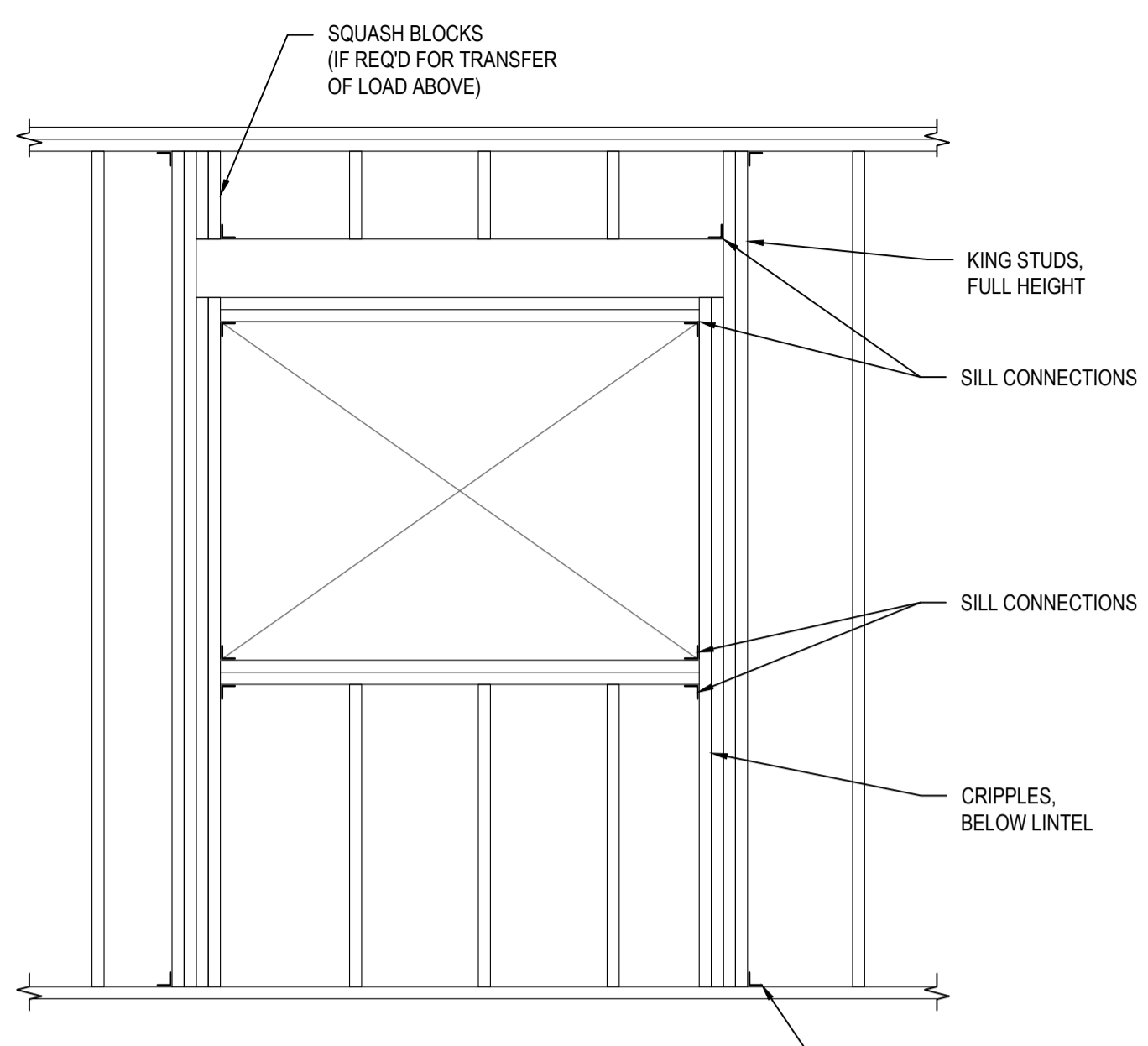
CONTRACTOR TO SUBMIT SHOP DRAWINGS SHOWING HOLD-DOWN ASSEMBLY PRIOR TO FABRICATION / INSTALLATION



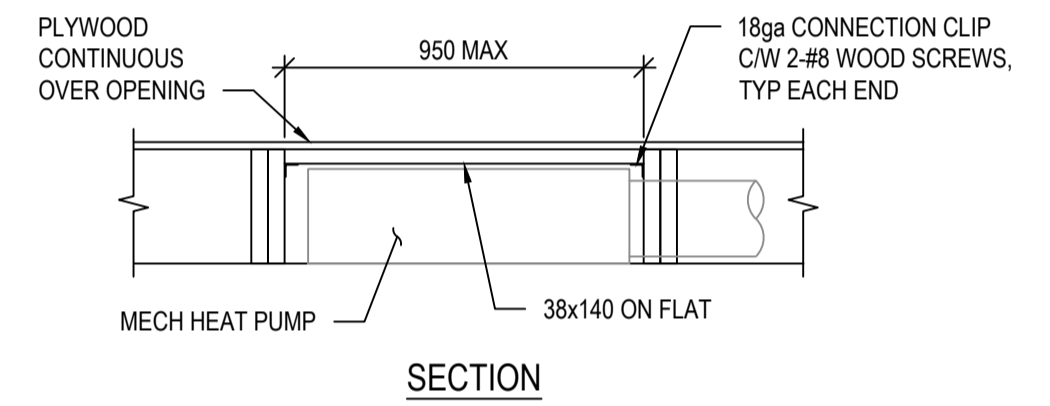
2 DIAPHRAGM NAILING
S5.01 SCALE: NTS

DIAPHRAGM NAILING SCHEDULE					
LOCATION	PLYWOOD	INTERMEDIATE	PANEL EDGES	BOUNDARY	BLOCKING
ROOF	SEE PLAN	300 OC	100 OC	75 OC	UN-BLOCKED
FLOOR	SEE PLAN	300 OC	100 OC	75 OC	UN-BLOCKED

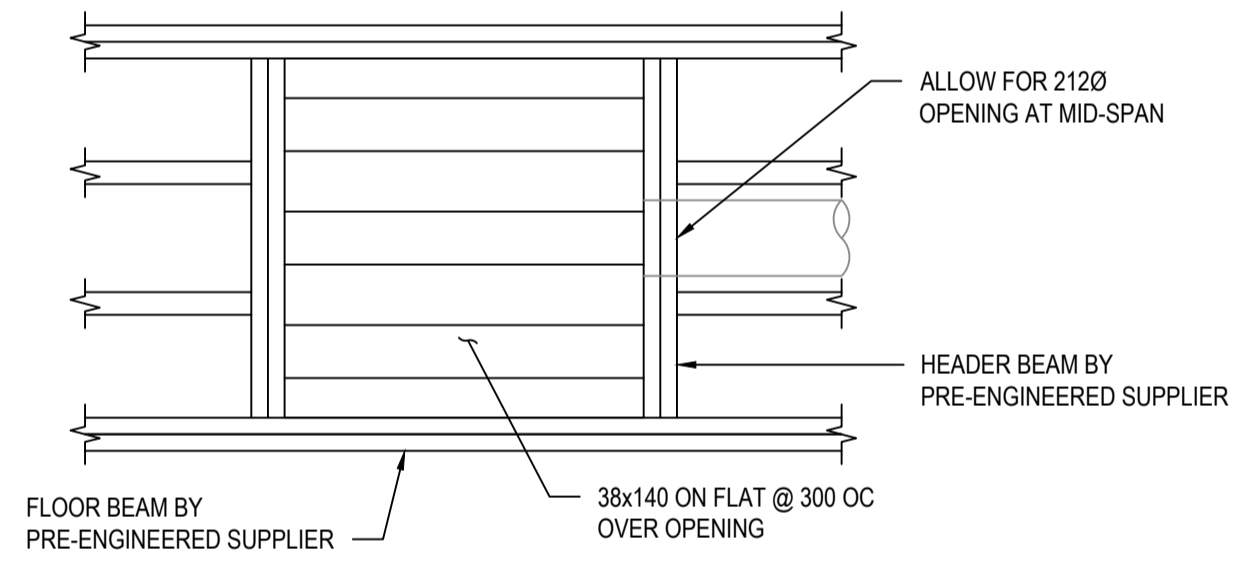
NAILS TO BE 2.87Øx51LG



3 TYPICAL OPENING DETAIL
S5.01 SCALE: 1:20



SECTION



PLAN

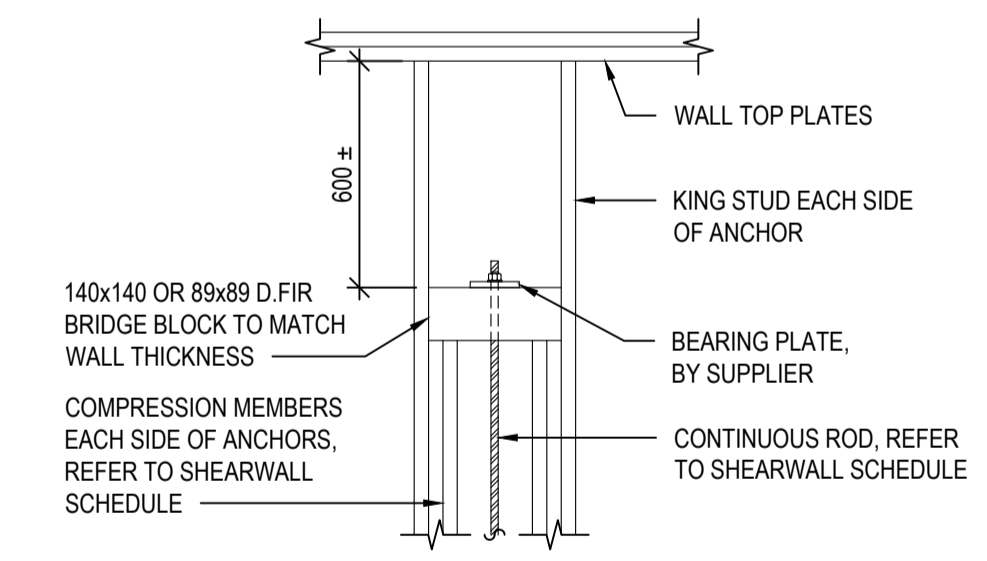
6 FRAMING AT 950x950 HEAP PUMP SPACE
S2.02 SCALE: 1:20

LEVEL 2 OPENING FRAMING SCHEDULE						
MARK	KING STUDS	CRIPPLE STUDS	LINTEL	BOTTOM SILL	TOP SILL	PLATE CONNECTION
220	3-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.4kN OR 1-SST A35
219	3-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.4kN OR 1-SST A35
218	3-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.4kN OR 1-SST A35
217	2-38x140	1-38x140	2-38x184	1-38x140	1-38x140	3.0kN OR 1-SST A35
216	2-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.7kN OR 1-SST A35
214	1-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
213	1-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
212	1-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
211	1-38x184 LSL 1.5E	1-38x184 LSL 1.5E	1-89x184 LSL 1.5E	1-38x184 LSL 1.5E	1-38x184 LSL 1.5E	2.0kN OR 1-SST A35
210	1-133x178 PSL 1.8E	1-38x184 LSL 1.5E	1-89x184 LSL 1.5E	1-38x184 LSL 1.5E	1-38x184 LSL 1.5E	5.1kN OR 2-SST A35
207	1-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
206	1-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
205	1-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
204	1-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
203	1-38x140	1-38x140	2-38x184	1-38x140	1-38x140	1.5kN OR 1-SST A35
202	2-38x184	1-38x184	2-38x184	-	1-38x184	3.3kN OR 1-SST A35
201	2-38x184	1-38x184	2-38x184	1-38x184	1-38x184	3.3kN OR 1-SST A35
200	2-38x184	1-38x184	2-38x184	1-38x184	1-38x184	3.3kN OR 1-SST A35

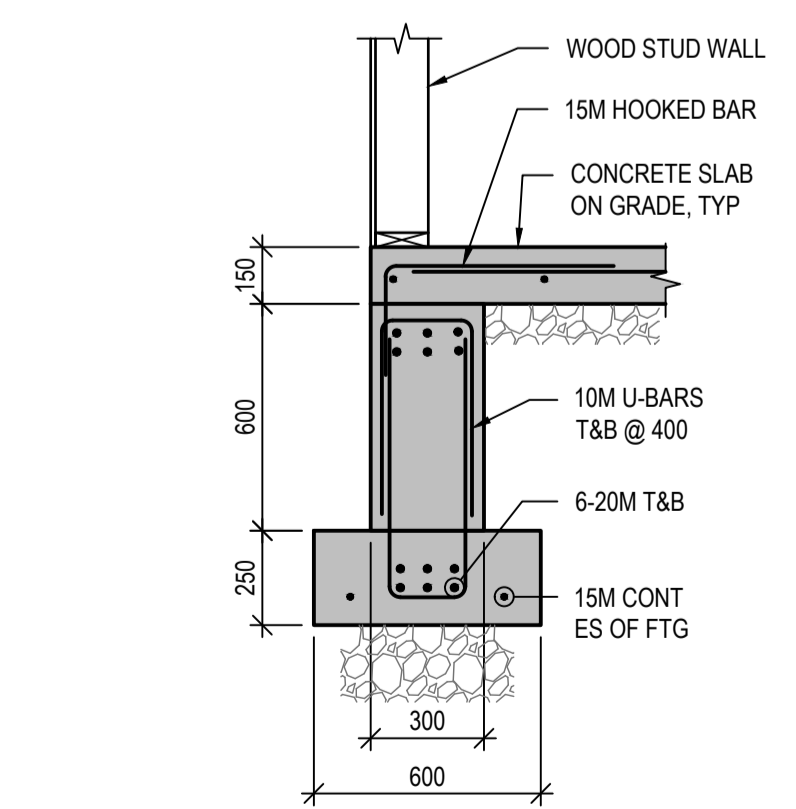
ALL FRAMING TO BE SPF. ALL SILL CONNECTIONS TO BE SST A35 ANGLES OR 3kN PER ANGLE

LEVEL 1 OPENING FRAMING SCHEDULE						
MARK	KING STUDS	CRIPPLE STUDS	LINTEL	BOTTOM SILL	TOP SILL	PLATE CONNECTION
126b & LOUVER	1-140x178 PSL 1.8E	1-38x184 LSL 1.5E	1-89x184 LSL 1.5E	1-38x184 LSL 1.5E	1-38x184 LSL 1.5E	4.5kN OR 2-SST A35
124	1-38x140	1-38x140	2-38x184	-	1-38x140	2.0kN OR 1-SST A35
115-113	2-38x140	1-38x140	2-38x184	2-38x140	2-38x140	5.2kN OR 2-SST A35
112-110*	3-38x140	2-38x140	2-44x292 LVL 3100Fb-2.0E	3-38x140	2-38x140	5.5kN OR 2-SST A35
109	2-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
108	2-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.3kN OR 1-SST A35
107	1-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.6kN OR 1-SST A35
106	1-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.0kN OR 1-SST A35
105	1-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.0kN OR 1-SST A35
104	1-38x140	1-38x140	2-38x184	1-38x140	1-38x140	2.0kN OR 1-SST A35
103	2-38x140	2-38x140	3-38x184	1-38x140	1-38x140	2.7kN OR 1-SST A35
102	2-38x140	3-38x140	2-44x245 LVL 3100Fb-2.0E	1-38x140	1-38x140	2.7kN OR 1-SST A35
101	2-38x140	2-38x140	2-44x184 LVL 3100Fb-2.0E	1-38x140	1-38x140	2.7kN OR 1-SST A35

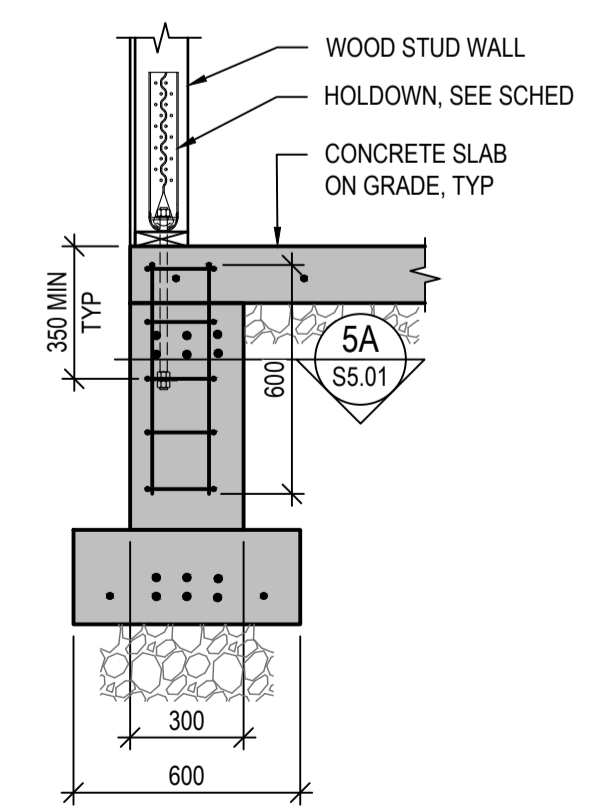
ALL FRAMING TO BE SPF. ALL SILL CONNECTIONS TO BE SST A35 ANGLES OR 3kN PER ANGLE
* ADDITIONAL FRAMING AS PER ELEVATION



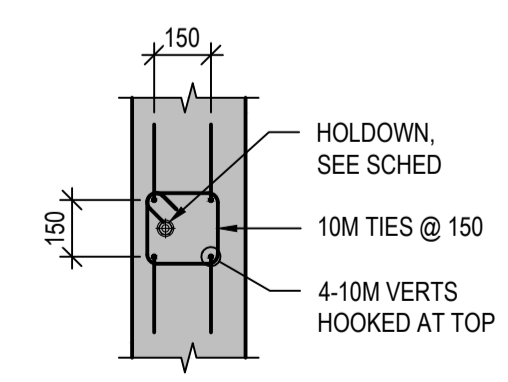
9 TYPICAL TOP CONNECTION AT CONTINUOUS ROD
S5.01 SCALE: 1:20



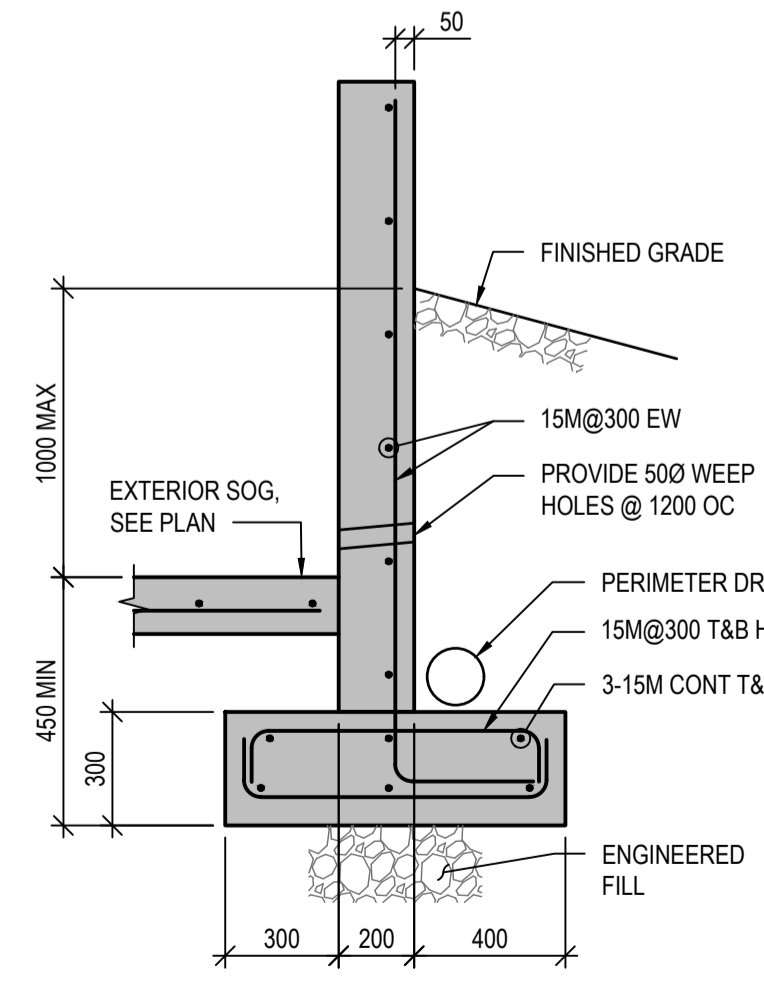
4 TYPICAL FOUNDATION SECTION
S2.01 SCALE: 1:20



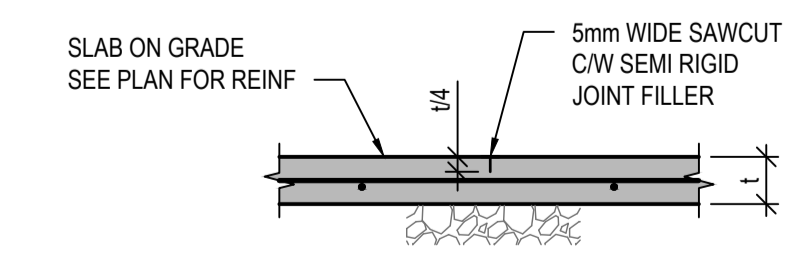
5 TYPICAL REINF AT HOLDDOWN
S2.01 SCALE: 1:20



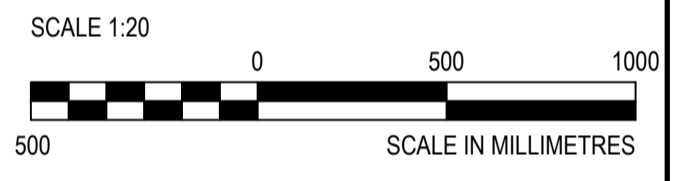
5A PLAN DETAIL
S5.01 SCALE: 1:20



7 RETAINING WALL SECTION
S2.01 SCALE: 1:20



8 TYPICAL CRACK CONTROL JOINT
S2.01 SCALE: 1:20



Revision/Revision	Description/Description	Date/Date
5		
4	ISSUED FOR TENDER	2018/12/14
3	ISSUED FOR 100% DESIGN	2018/10/30
2	ISSUED FOR 95% DESIGN	2018/08/23
1	ISSUED FOR 60% DESIGN	2018/07/27
0	SCHEMATIC DESIGN	2018/06/27

Client/client
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Project title/Titre du projet
25 HURON STREET VICTORIA, BC

VICTORIA SAR STATION

Consultant Signature Only
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Designed by/Concept par
DJ

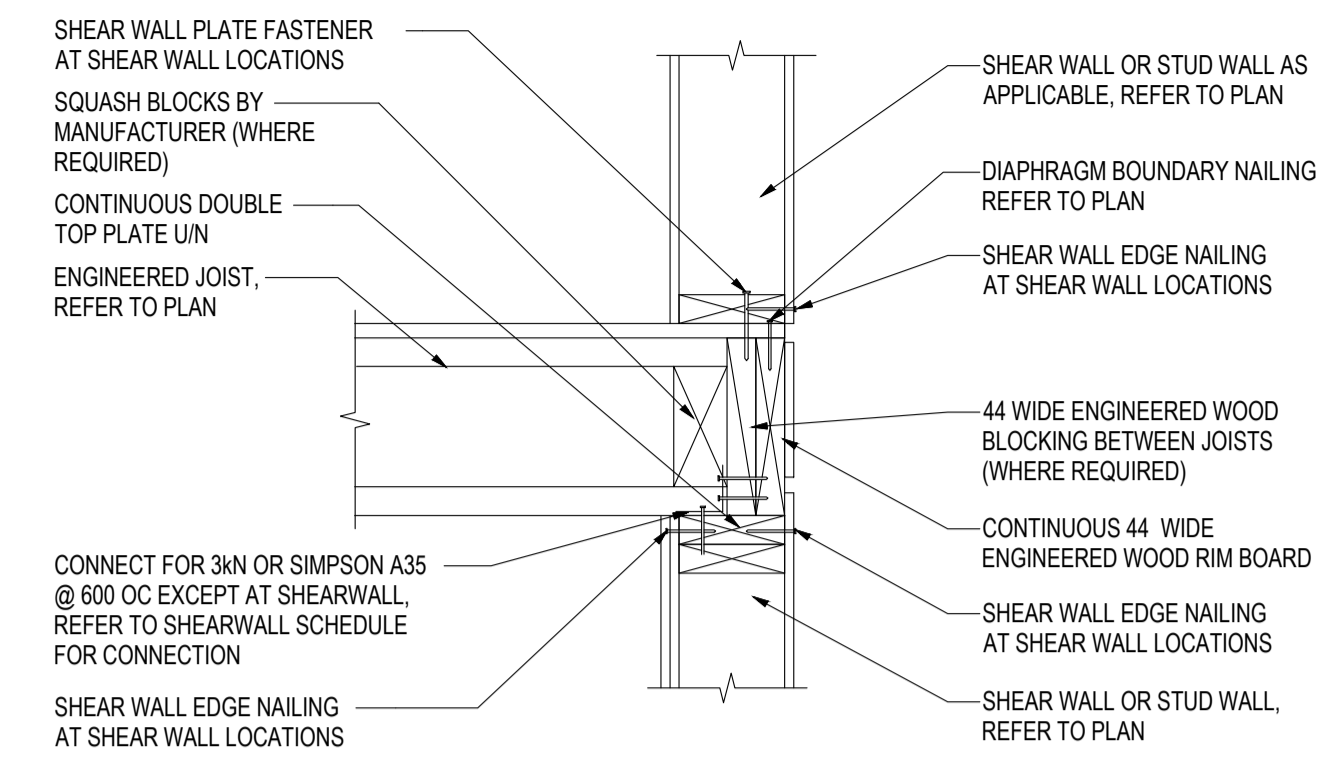
Drawn by/Dessiné par
GM

PWGC Project Manager/Administrateur de Projets TPSGC
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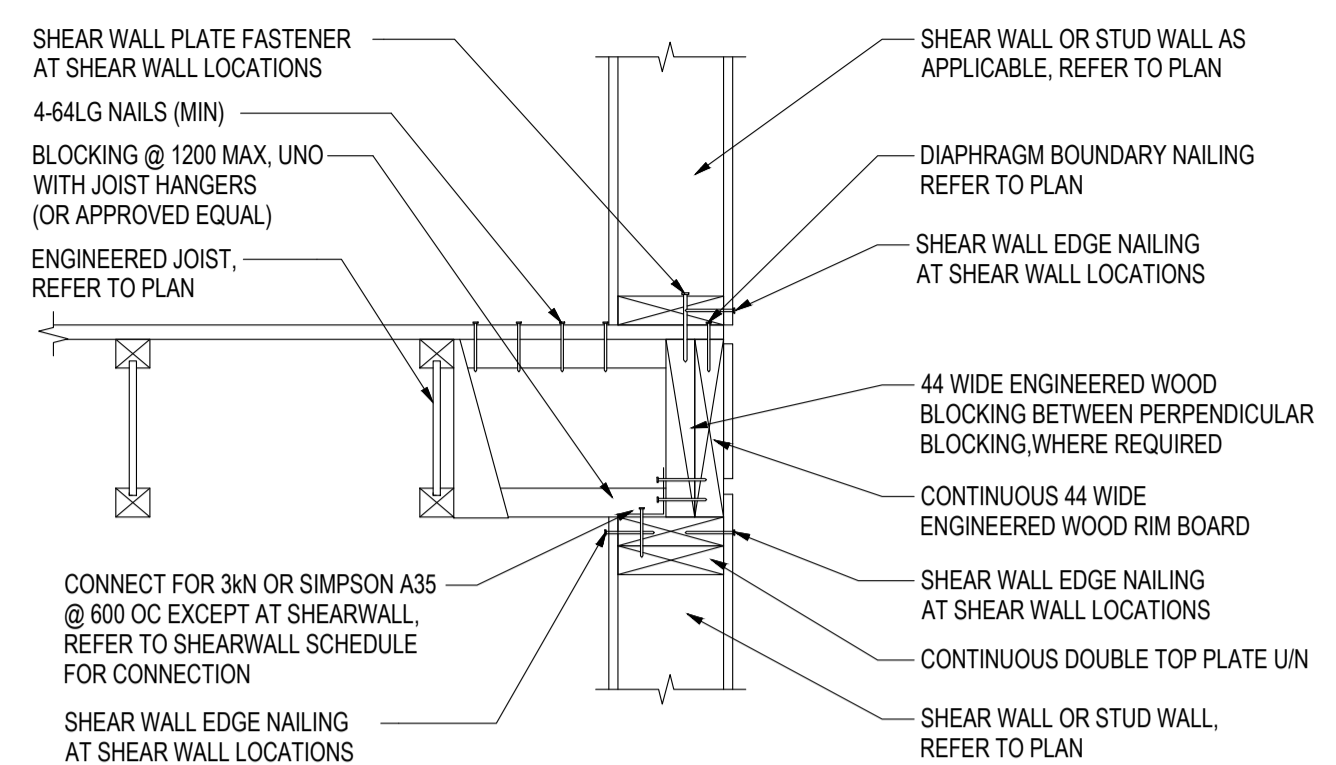
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Gestionnaire régionale, Services d'architecture et de génie, TPSGC
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Drawing title/Titre du dessin
TYPICAL DETAILS

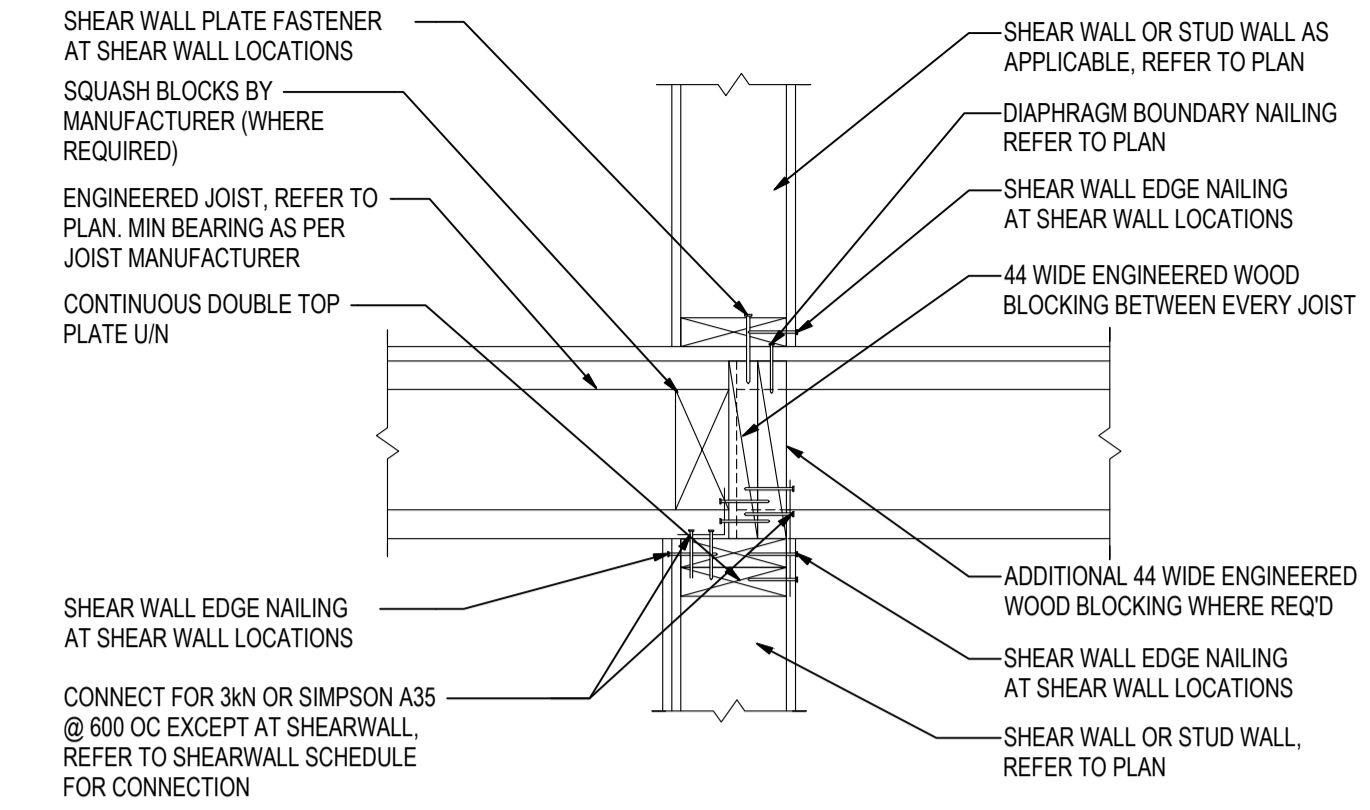
Project No./No. du projet 2017567	Sheet/Fauille S5.01 8 OF 11	Revision no./La Révision no. 4
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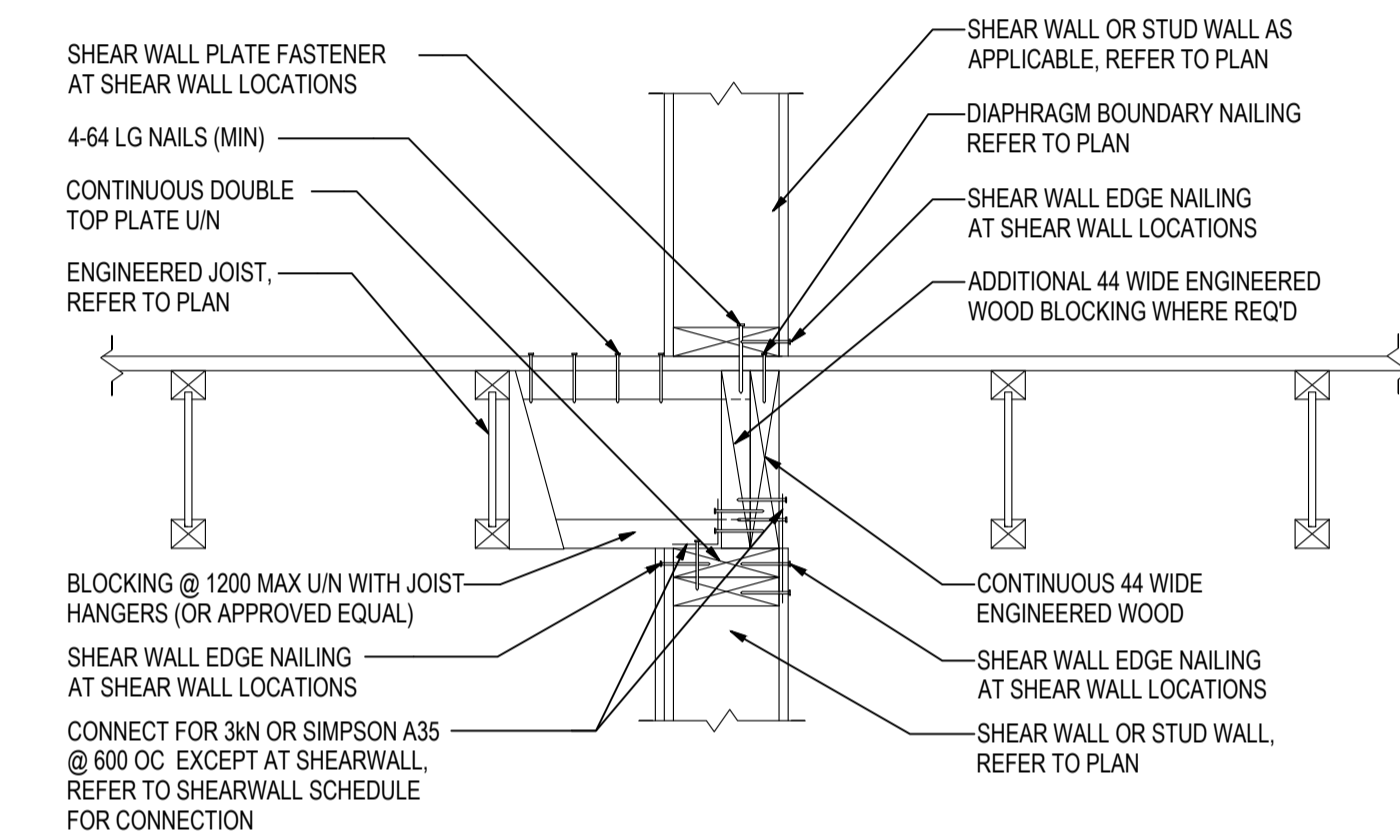
1 JOIST PERPENDICULAR TO EXTERIOR WALL
S5.02 SCALE: NTS



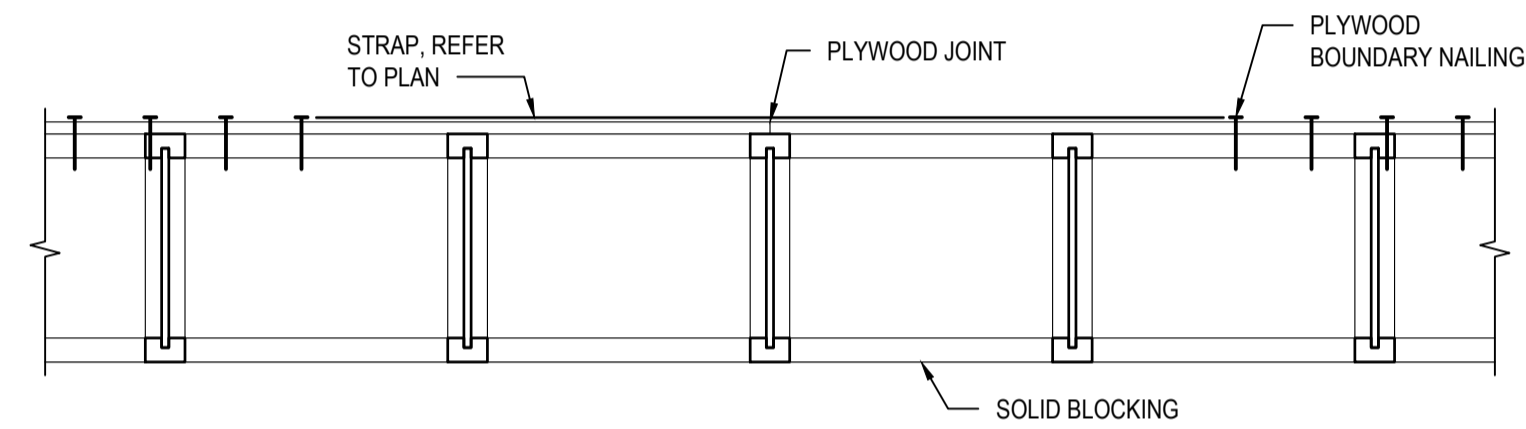
2 JOIST PARALLEL TO EXTERIOR WALL
S5.02 SCALE: NTS



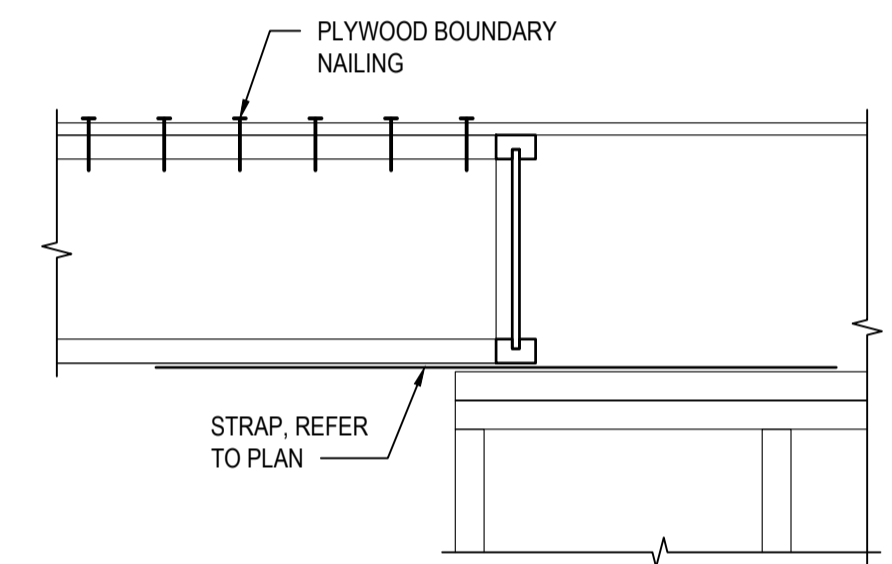
3 JOIST PERPENDICULAR TO INTERIOR WALL
S5.02 SCALE: NTS



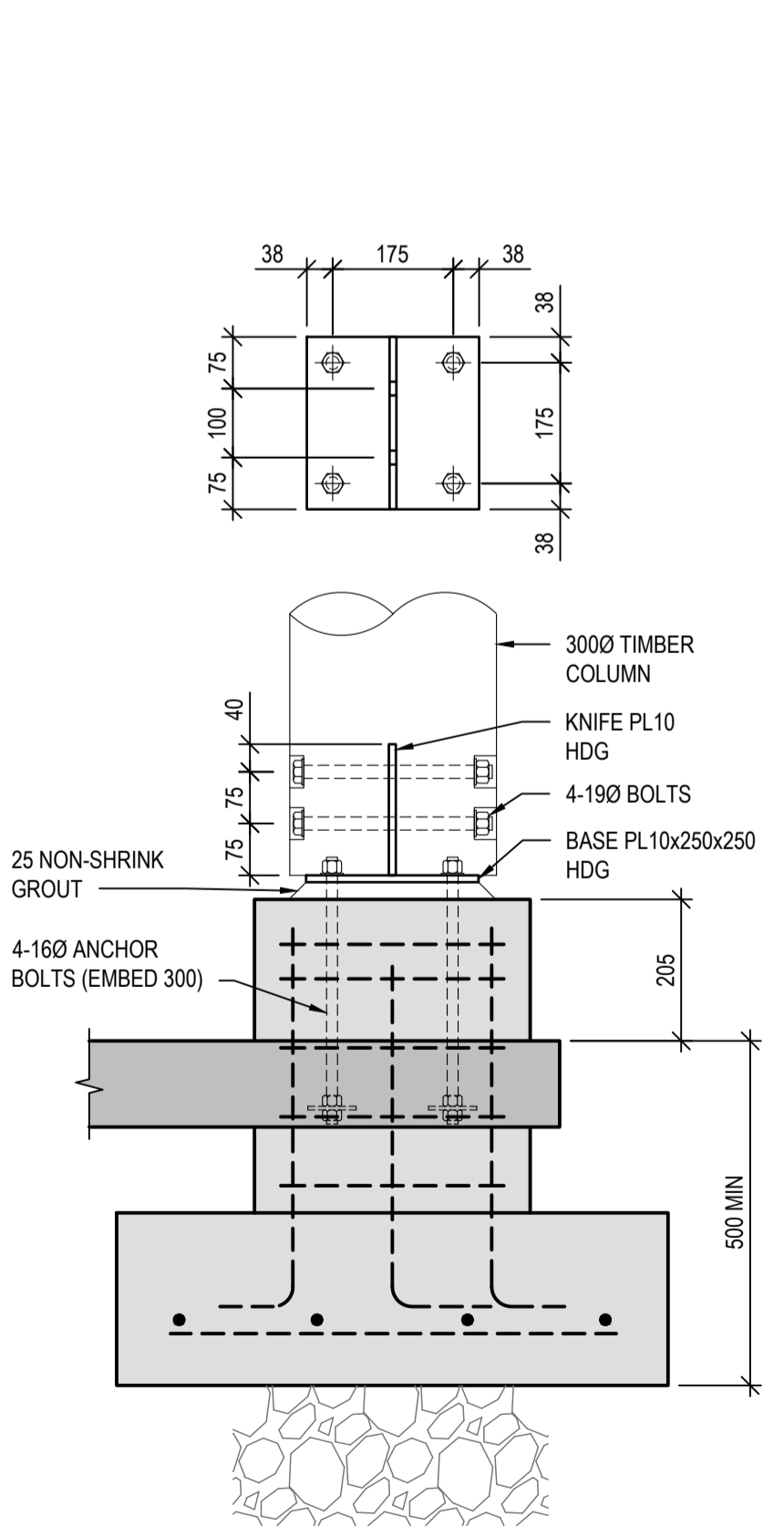
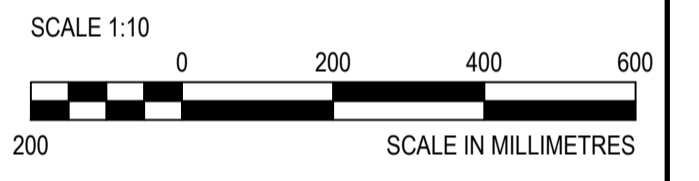
4 JOIST PARALLEL TO INTERIOR WALL
S5.02 SCALE: NTS



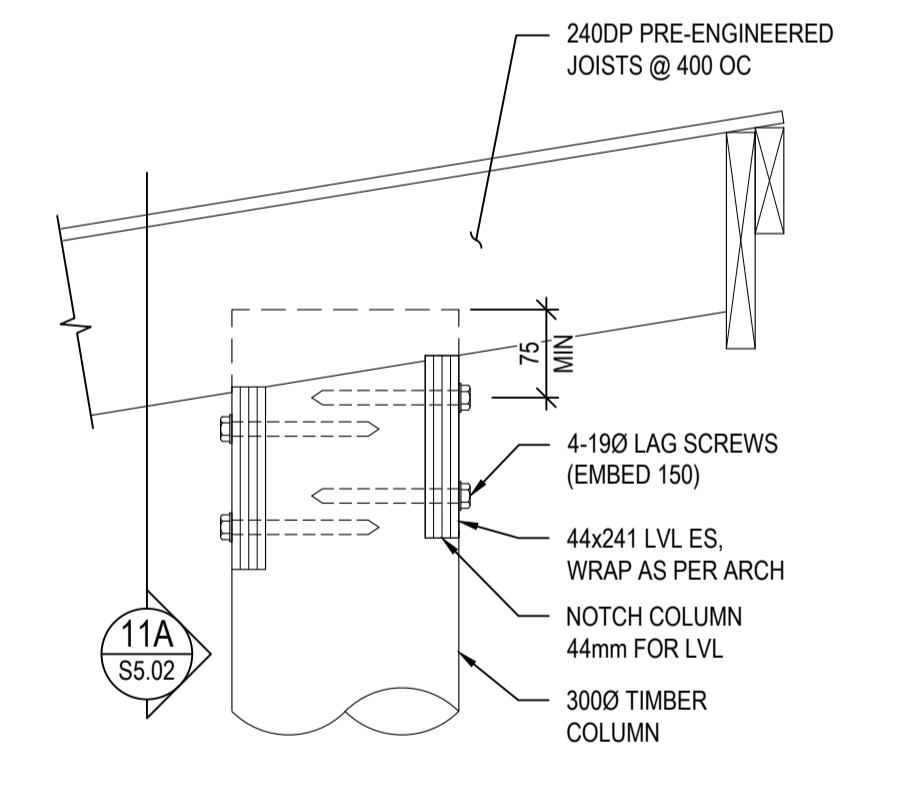
5 STRAP AT PLYWOOD JOINT
S2.02 SCALE: 1:10



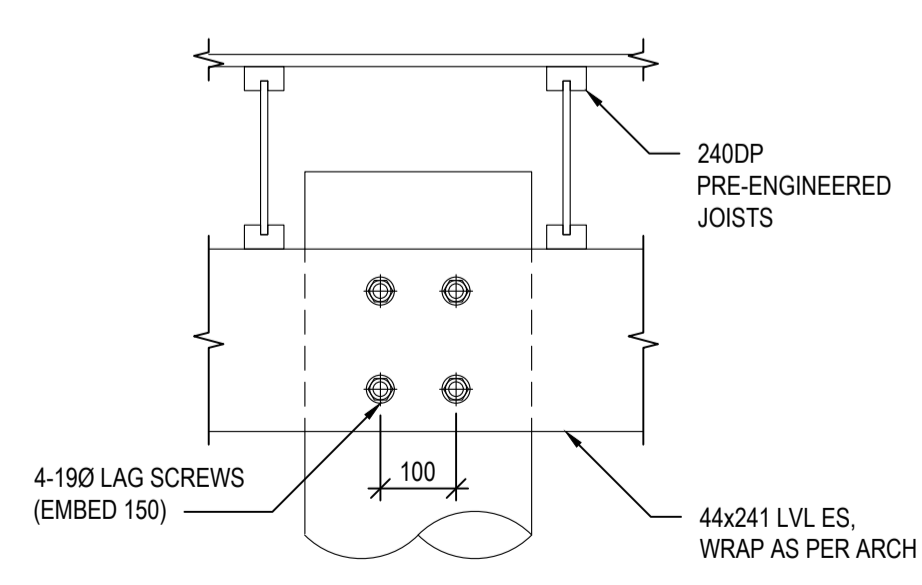
6 TYP LEVEL 2 STRAP DETAIL
S2.02 SCALE: 1:10



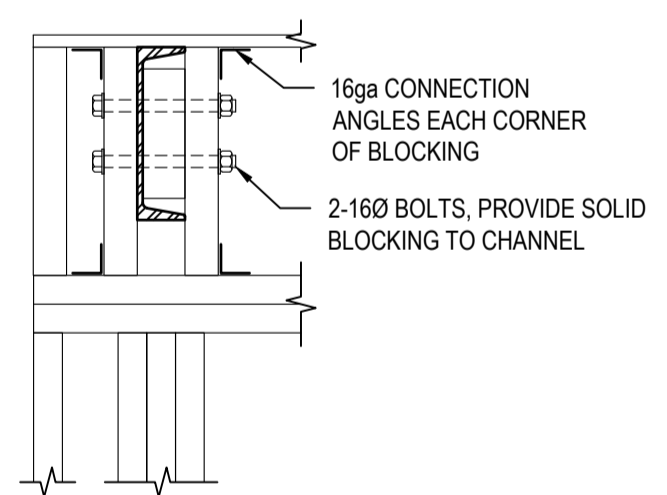
10 CANOPY COLUMN BASE
S4.01 SCALE: 1:10



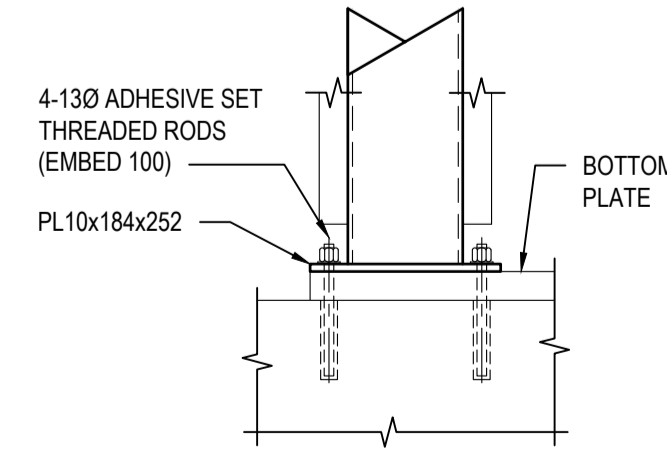
11 SECTION AT CANOPY ROOF
S4.01 SCALE: 1:10



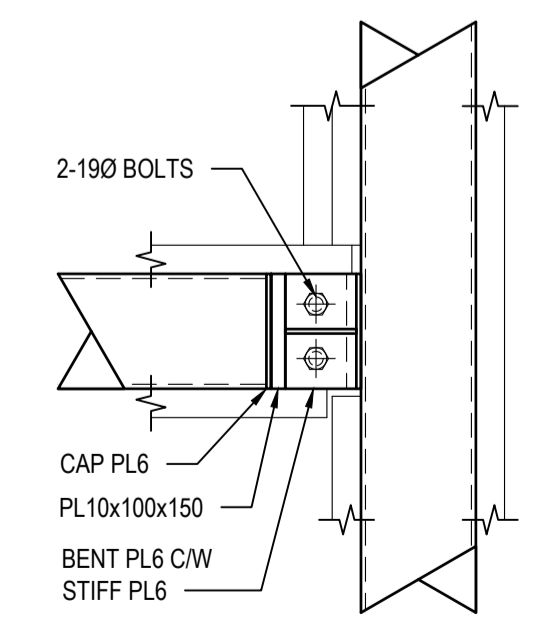
11A SECTION AT CANOPY ROOF
S5.02 SCALE: 1:10



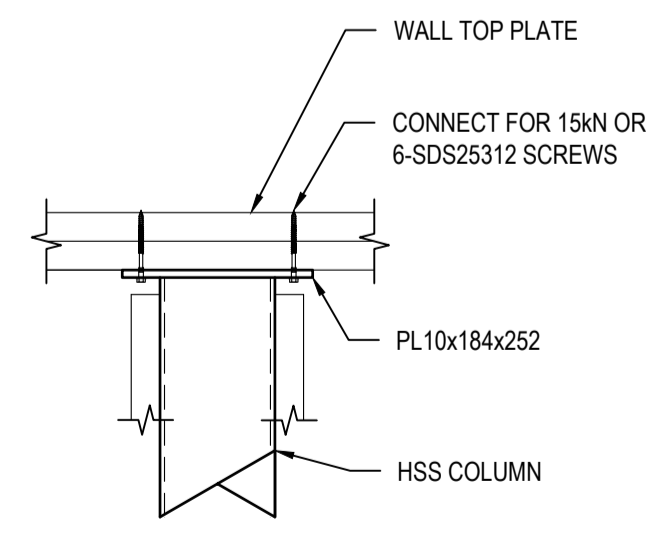
12 DECK CHANNEL CONNECTION
S2.02 SCALE: 1:10



7 HSS COLUMN BASE
S4.01 SCALE: 1:10



8 HSS BEAM TO COLUMN
S4.01 SCALE: 1:10



9 HSS COLUMN TOP
S4.01 SCALE: 1:10

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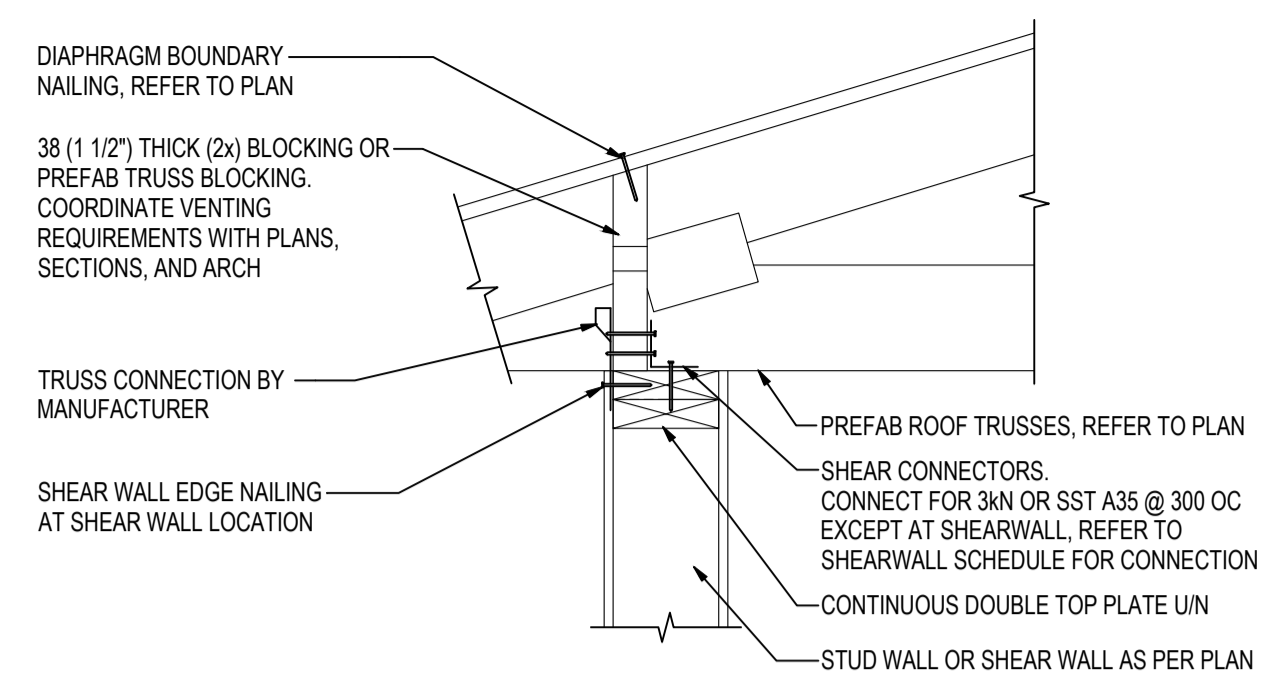
Project title/Titre du projet
25 HURON STREET VICTORIA, BC

VICTORIA SAR STATION

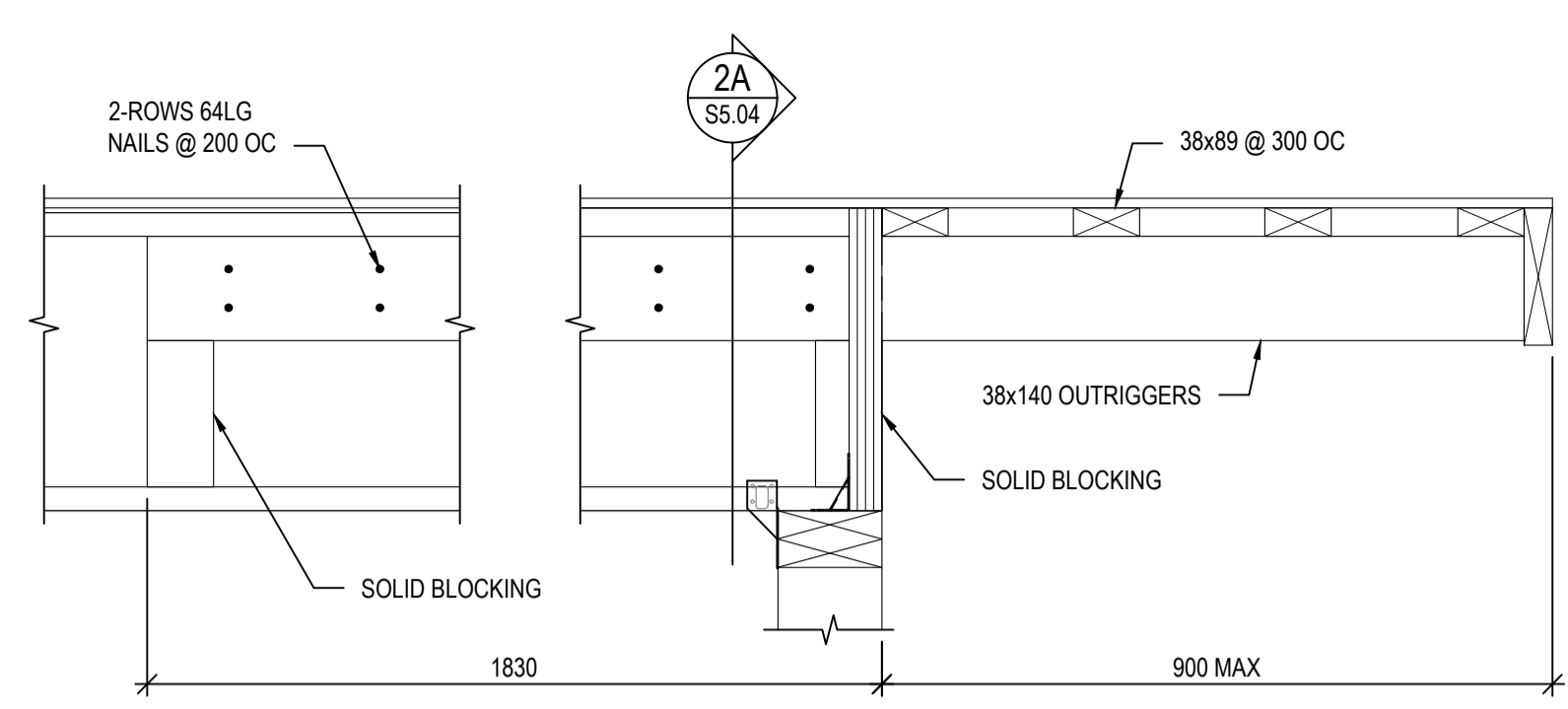
Consultant Signature Only
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Designed by/Concept par
DJ
Drawn by/Dessiné par
GM
PWGSC Project Manager/Administrateur de Projets TPSGC
--
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
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Drawing title/Titre du dessin
FLOOR CONNECTION DETAILS AND HSS COLUMN DETAILS

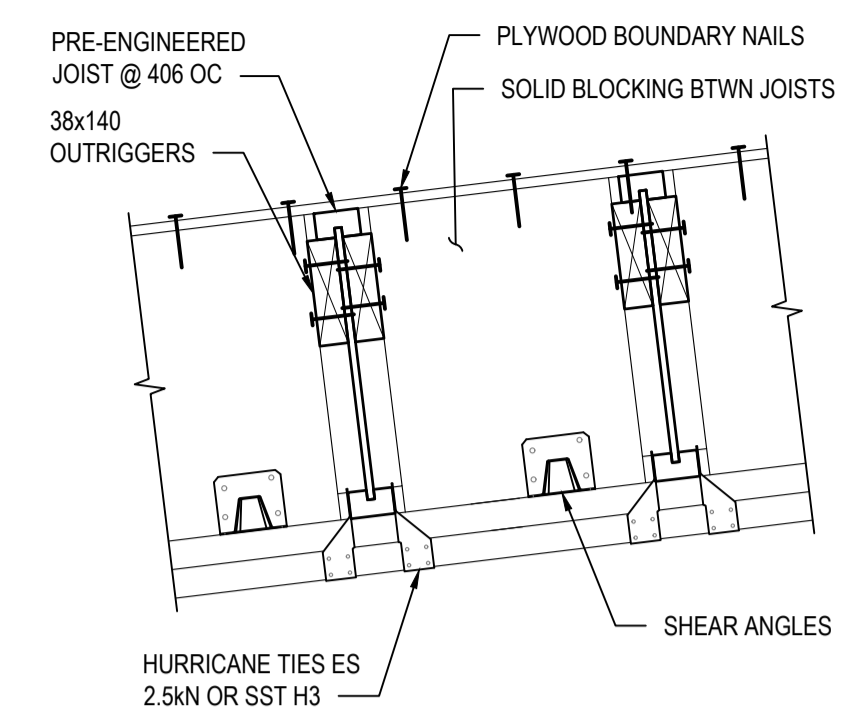
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
2017567	S5.02 9 OF 11	4



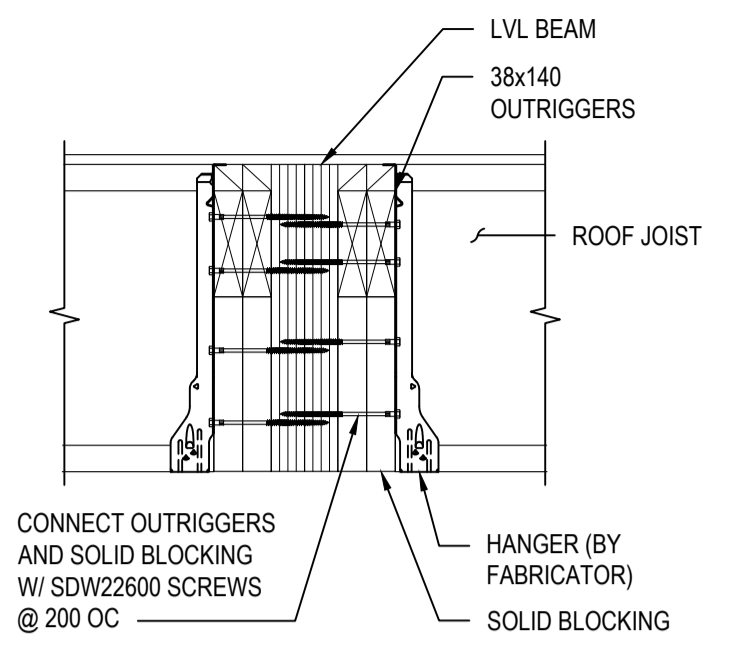
1 WOOD TRUSS PERPENDICULAR TO EXTERIOR WALL
S5.04 SCALE: NTS



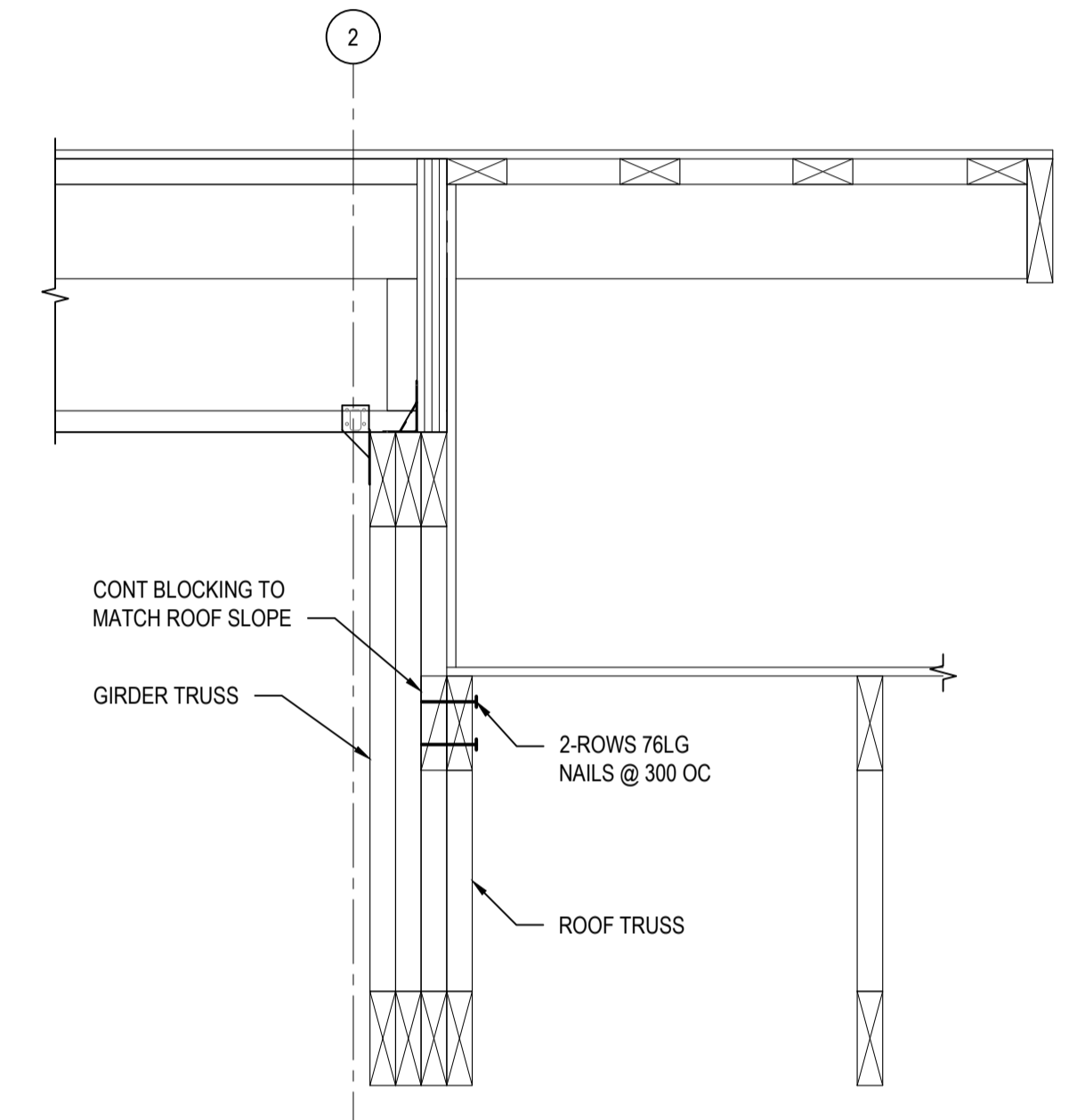
2 TYPICAL ROOF OVERHANG
S2.03 SCALE: 1:10



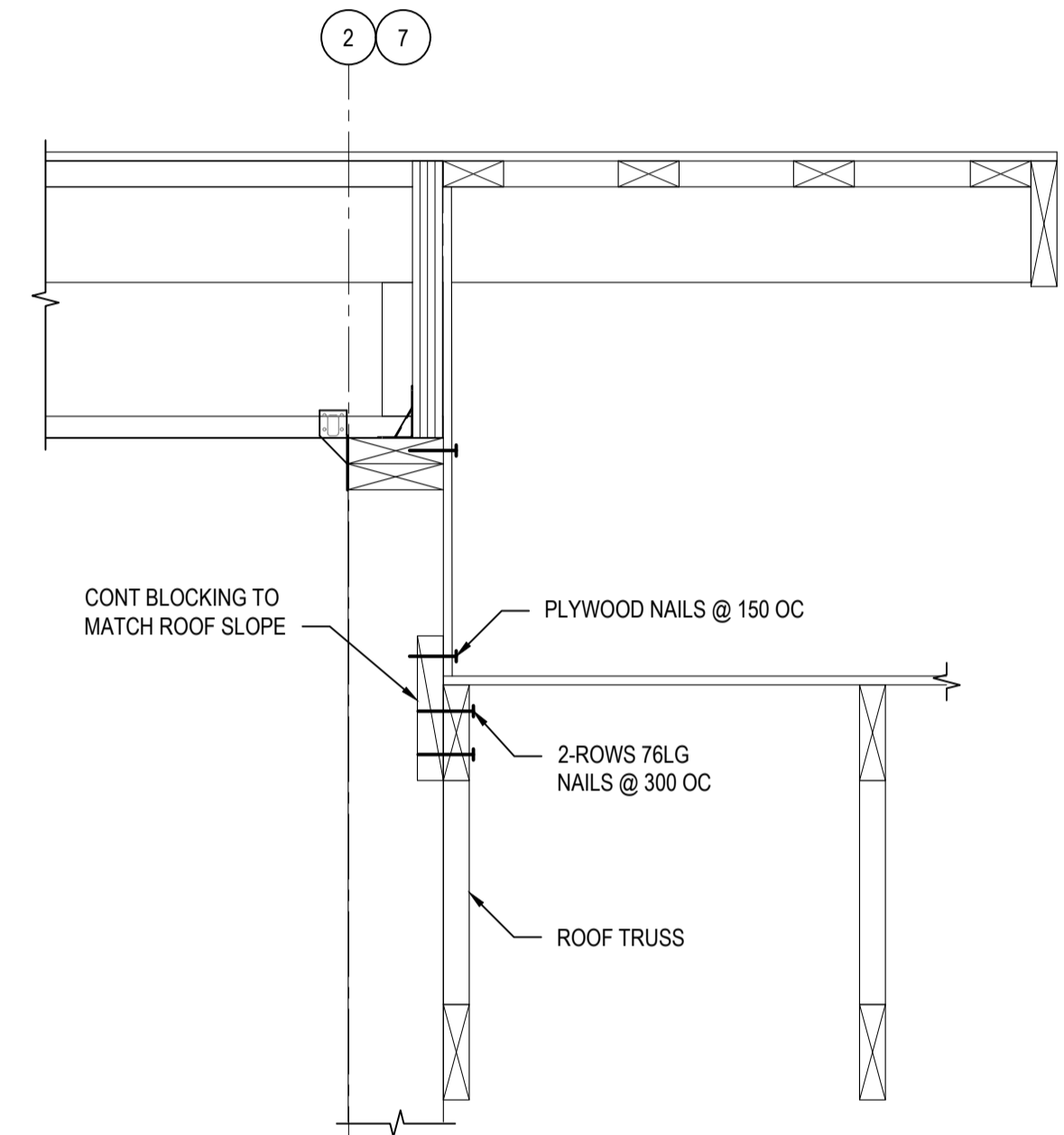
2A TYPICAL ROOF OVERHANG
S5.04 SCALE: 1:10



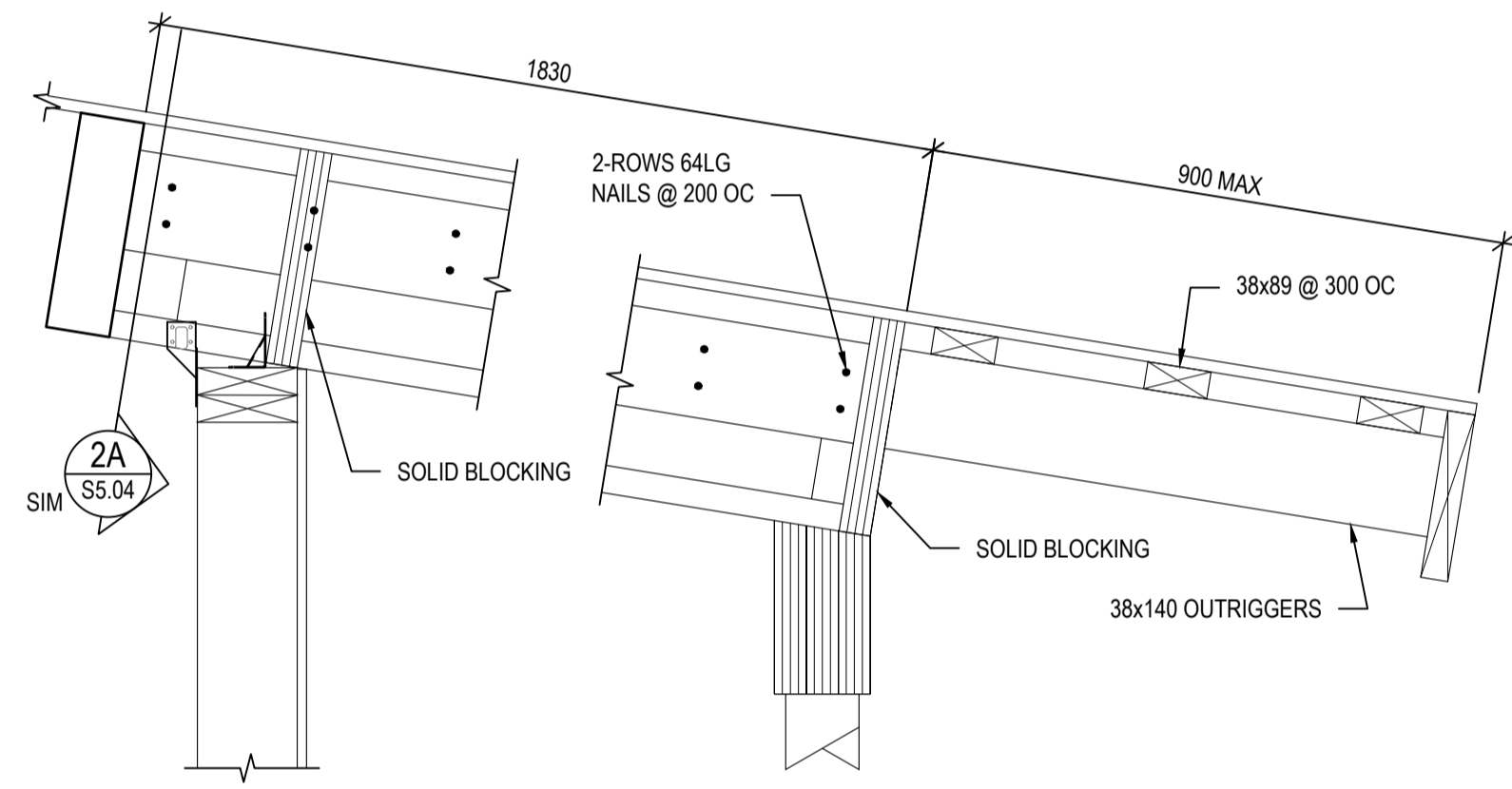
3 LVL BEAM W/ 2-38x140 OUTRIGGERS
S5.04 SCALE: 1:10



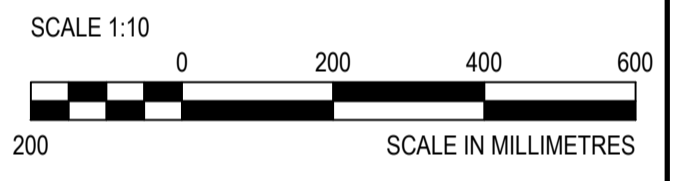
4 ROOF SECTION
S2.03 SCALE: 1:10



5 ROOF SECTION
S2.03 SCALE: 1:10



8 ROOF OVERHANG OVER DECK
S2.03 SCALE: 1:10



Revision/	Description/Description	Date/Date
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0	SCHEMATIC DESIGN	2018/06/27

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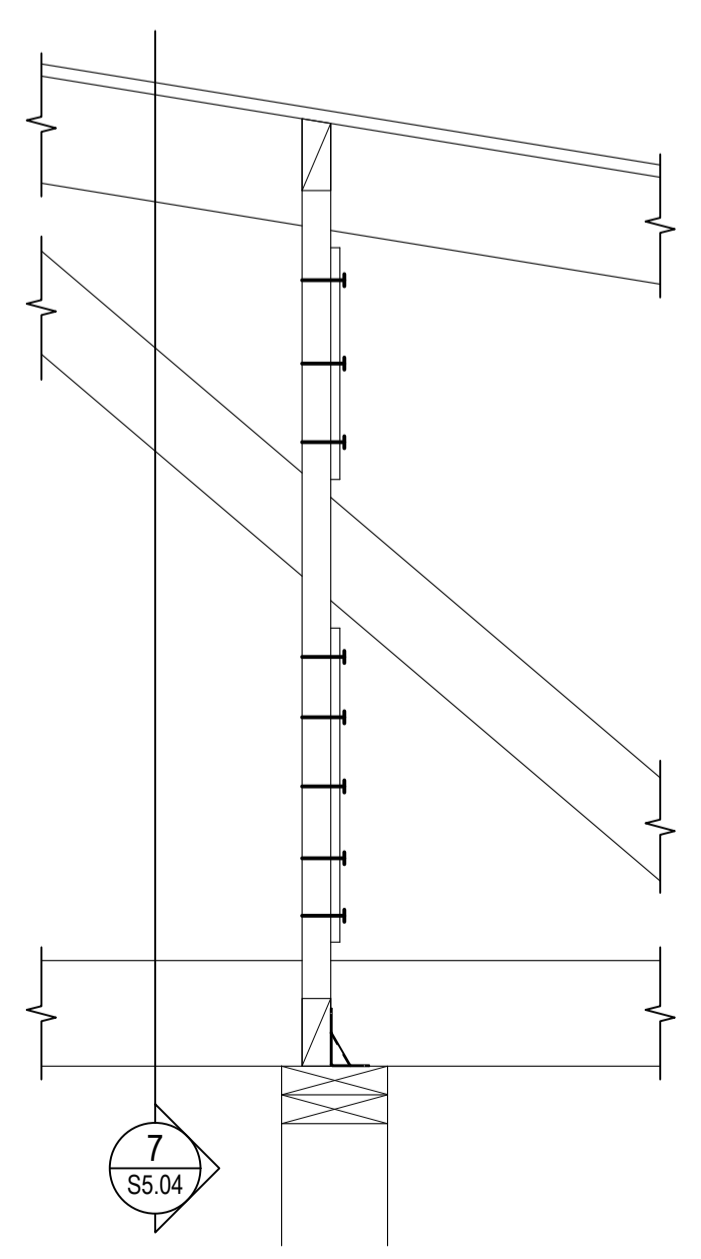
Project title/Titre du projet
**25 HURON STREET
VICTORIA, BC**

**VICTORIA SAR
STATION**

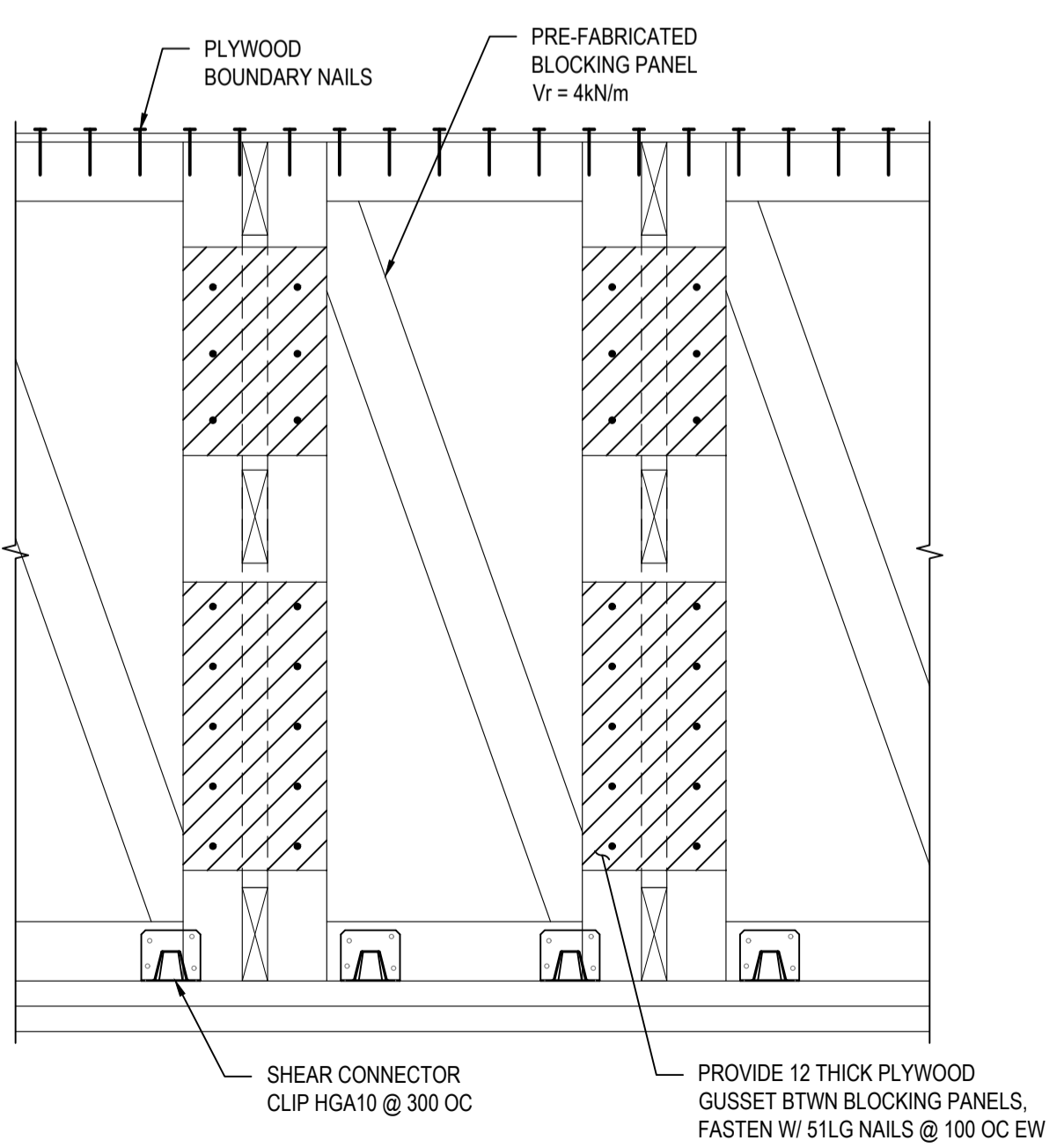
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Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
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Drawing title/Titre du dessin
ROOF DETAILS

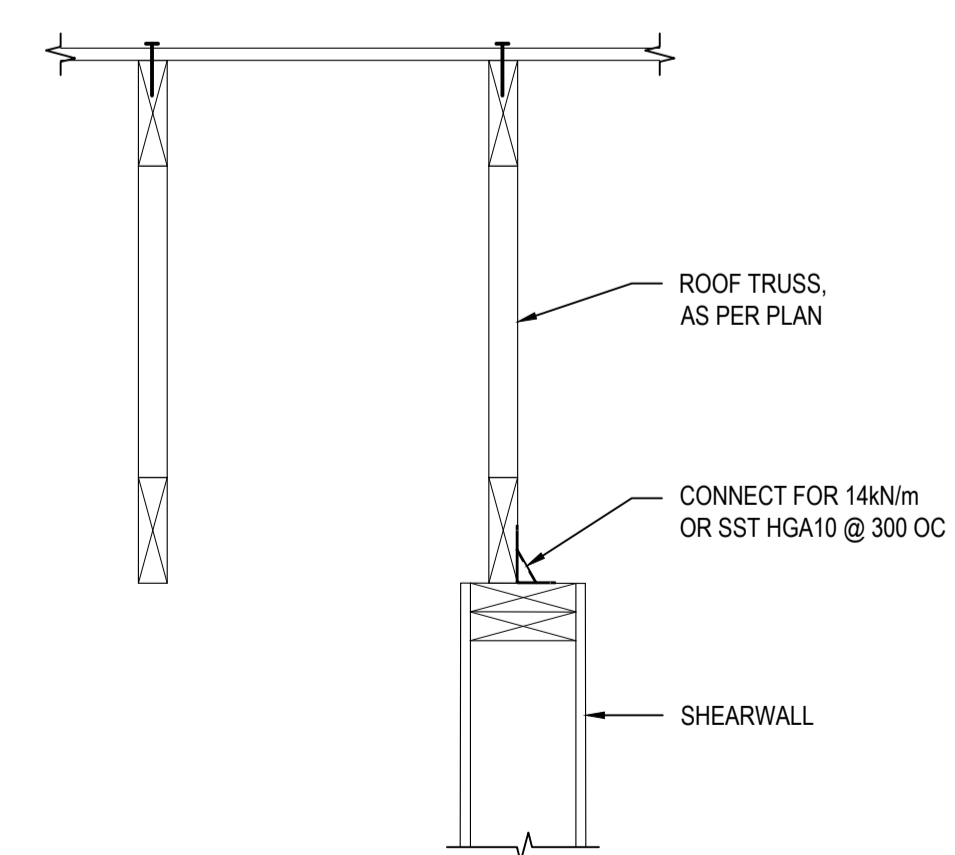
Project No./No. du projet
2017567
Sheet/Fauille
S5.04
Revision no./La Révision no.
4
11 OF 11



6 ROOF SECTION
S2.03 SCALE: 1:10



7 ROOF SECTION
S2.03 SCALE: 1:10



9 ROOF TRUSS PARALLEL TO SHEARWALL
S2.03 SCALE: 1:10