

GENERAL

- THIS SET OF DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATIONS AND WITH THE DRAWINGS AND SPECIFICATIONS FROM ALL OTHER CONSULTANTS. ANY DISCREPANCIES NOTED SHALL BE REPORTED IMMEDIATELY FOR CLARIFICATION.
- THIS SET OF DRAWINGS SHOWS THE COMPLETED STRUCTURE AND DOES NOT SHOW WORK WHICH MAY BE REQUIRED FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR GENERAL SAFETY ON AND ABOUT THE JOB SITE DURING THE CONSTRUCTION PERIOD AND FOR DESIGN AND ERECTION OF ALL FALSEWORK, SHORING, BRACING ETC. TO ENSURE THE SAFETY OF ALL CONSTRUCTION TEMPORARY LOADS AND TO COMPLETE THE WORK. ALL TEMPORARY WORKS AND SHORING ETC. SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN BRITISH COLUMBIA. ADHERE STRICTLY TO ALL REQUIREMENTS OF THE WORKSAFE BRITISH COLUMBIA.
- ALL CODE REFERENCES ARE TO LATEST EDITIONS AS REFERENCED IN THE NBC 2010.

FIELD REVIEW:

- DEPARTMENTAL REPRESENTATIVE PROVIDES FIELD REVIEW FOR THE WORK SHOWN ON THE STRUCTURAL DRAWINGS PREPARED BY DEPARTMENTAL REPRESENTATIVE. THIS REVIEW IS A PERIODIC REVIEW AT THE PROFESSIONAL JUDGMENT OF DEPARTMENTAL REPRESENTATIVE. THE PURPOSE IS TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY DEPARTMENTAL REPRESENTATIVE AND TO FULFILL THE REQUIREMENTS FOR THE COMPLETION OF LETTERS OF ASSURANCE REQUIRED BY THE APPLICABLE BUILDING CODE.
- ALL NON-CONFORMING WORKS THAT REQUIRE REMEDIAL ACTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY EXTRA TIME OR COST INCURRED TO DEPARTMENTAL REPRESENTATIVE TO ASSIST OR ADVISE THE CONTRACTOR IN RECTIFYING THE WORK SHALL BE BORNE BY THE CONTRACTOR.
- ENSURE THAT WORK TO BE INSPECTED IS COMPLETE AT THE TIME OF INSPECTION AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ADDITIONAL INSPECTIONS REQUIRED DUE TO THE INCOMPLETE WORK OR POORLY EXECUTED WORK, AS JUDGED BY DEPARTMENTAL REPRESENTATIVE, AS WELL AS ADDITIONAL DESIGN OR REMEDIAL WORK CAUSED BY DEVIATIONS FROM THESE DRAWINGS MAY BE CHARGED TO THE GENERAL CONTRACTOR AT THE DISCRETION OF DEPARTMENTAL REPRESENTATIVE.
- A MINIMUM 48 HOURS NOTICE SHALL BE GIVEN BY THE CONTRACTOR FOR ANY INSPECTION TO BE CARRIED OUT BY DEPARTMENTAL REPRESENTATIVE.

SHOP DRAWINGS:

- DESIGNERS & MANUFACTURERS OF ALL STRUCTURAL ELEMENTS/COMPONENTS/CONNECTIONS SHALL SUBMIT COMPLETE SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW PRIOR TO FABRICATION. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS AND TO ALLOW MINIMUM TWO WEEKS FOR REVIEW. THIS SUBMISSION OR ITS REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR PROVIDING PROPER ENGINEERING DESIGN, METHODS, EQUIPMENT, WORKMANSHIP, SAFETY PRECAUTION AND PRIOR REVIEW OF THESE ELEMENTS. THE PROFESSIONAL ENGINEER SEALING THE SHOP DRAWINGS SHALL BE RESPONSIBLE FOR INSPECTION OF HIS DESIGN COMPONENTS FOR CONFORMANCE WITH HIS DESIGN AND SHOP DRAWINGS.
- THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CONFIRM AND COORDINATE DIMENSIONS, LOCATIONS AND NUMBER OF THE STRUCTURAL ELEMENTS FOR WHICH SHOP DRAWINGS ARE TO BE PRODUCED.

NON-STRUCTURAL COMPONENTS:

- NON-STRUCTURAL COMPONENTS ARE NOT THE RESPONSIBILITY OF DEPARTMENTAL REPRESENTATIVE SUCH COMPONENTS OF THE PROJECT ARE DESIGNED, DETAILED, SPECIFIED AND REVIEWED IN THE FIELD BY OTHERS. LETTERS OF CERTIFICATION OF ADEQUACY, INSTALLATION ETC. OF SUCH COMPONENTS ARE BY OTHERS.
- MANUFACTURERS OF NON-STRUCTURAL COMPONENTS WHICH AFFECT THE STRUCTURAL FRAMING SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT AND DEPARTMENTAL REPRESENTATIVE FOR REVIEW. THE SHOP DRAWINGS SHALL CLEARLY INDICATE LOADS IMPOSED ON THE STRUCTURE. REVIEW WILL BE LIMITED TO THE EFFECT OF THE COMPONENTS ON THE STRUCTURAL FRAMING.
- EXAMPLES OF NON-STRUCTURAL COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO:
 - ARCHITECTURAL COMPONENTS SUCH AS HANDRAILS, GUARDRAILS, RAILINGS, FLAG POST, REMOVABLE CANOPIES, CEILINGS, VEHICLE PROTECTION SYSTEMS, ORNAMENTAL COMPONENTS, ETC.
 - ARCHITECTURAL PRECAST CONCRETE AND ITS ATTACHMENTS.
 - ARCHITECTURAL GLASS BLOCKS AND THEIR ATTACHMENTS.
 - BRICK AND BLOCK VENEERS, THEIR REINFORCING IF ANY AND TIES
 - LANDSCAPING COMPONENTS SUCH AS BENCHES, LIGHT POSTS, PLANTERS, ETC.
 - CURTAIN WALL SYSTEMS, CLADDING, SKYLIGHT, WINDOW MULLIONS, ETC.
 - INTERIOR AND EXTERIOR NON-LOAD BEARING STEEL STUD WALLS.
 - SUPPORT AND BRACING OF MECHANICAL AND ELECTRICAL SYSTEMS AND EQUIPMENTS FOR NON-GRAVITY AND SEISMIC LOADS.
 - WINDOW WASHING EQUIPMENTS AND ITS ATTACHMENT.
 - ELEVATORS, ESCALATORS AND OTHER CONVEYING SYSTEMS, INCLUDING PROPRIETARY SUPPORT BEAMS AND THEIR ATTACHMENTS.
 - NON-STRUCTURAL MASONRY.
- NON-STRUCTURAL STEEL STUD FRAMING
 - INTERIOR AND EXTERIOR STEEL STUD WALLS AND OTHER ARCHITECTURAL FRAMING SHALL BE DESIGNED BY THE FABRICATOR. DESIGN SHALL BE BY A STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA AND SHALL BE IN ACCORDANCE WITH PART 4 OF THE GOVERNING BUILDING CODE USING THE DESIGN LOADS REFERENCED ELSEWHERE ON THIS DRAWING. SEE ALSO ITEMS 1 AND 2 ABOVE.
 - UNLESS NOTED OTHERWISE, EXTERIOR STEEL STUDS FRAMING TO THE UNDERSIDE OF STRUCTURAL STEEL BEAMS OR TO STEEL BRACING MEMBERS SHALL BE DETAILED AND DESIGNED SO AS NOT TO IMPART LATERAL WIND AND SEISMIC LOADS TO THESE MEMBERS. WHERE WIND BEARING STUDS ATTACH TO STEEL BEAM BOTTOM FLANGES PROVIDE STEEL STUD BRACING IN GENERAL CONFORMANCE WITH DEPARTMENTAL REPRESENTATIVE'S TYPICAL DETAILS. DETAIL TOP TRACK TO ALLOW FOR ROOF/FLOOR DEFLECTIONS DUE TO GRAVITY LOADS.

DESIGN LOADS:

- THIS STRUCTURE HAS BEEN DESIGNED FOR SNOW, WIND AND SEISMIC FORCES IN SUBSTANTIAL COMPLIANCE WITH THE PROVISIONS SET FORTH IN THE NATIONAL BUILDING CODE 2010. IMPORTANT CATEGORY=NORMAL.

GROUND SNOW:	S _s = 1.1 kPa
RAIN LOAD:	S _r = 0.4 kPa
IMPORTANCE FACTORS FOR SNOW	I _s = 1.0 FOR STRENGTH I _s = 0.9 FOR SERVICEABILITY
WIND LOAD:	PROBABILITY 1/10 = 0.53 kPa PROBABILITY 1/50 = 0.68 kPa
IMPORTANCE FACTORS FOR WIND	I _w = 1.0 FOR STRENGTH I _w = 0.75 FOR SERVICEABILITY

EARTHQUAKE FACTORS:

Sa(0.2)	Sa(0.5)	Sa(1.0)	Sa(2.0)
1.20	0.94	0.47	0.21

I_E = 1.0 FOR STRENGTH
I_E = 1.0 FOR SERVICEABILITY

LOCATION	2010 NBC SITE CLASS	F _a	F _v
INCINERATOR ROCK	B-ROCK	1.0	0.8
LONG BEACH	E-SOFT SOIL	0.9	1.7
GREEN POINT CAMPGROUND	E-SOFT SOIL	0.9	1.7
WICKANINISH BEACH	D-STIFF SOIL	1.1	1.1

R_q = 3.0 R_o = 1.7

- SPECIFIED UNIFORM SUPERIMPOSED DEAD LOADS ON ROOF AND FLOORS:

ROOF	1.0 kPa
MAIN FLOOR	1.0 kPa
MECHANICAL & ELECTRICAL ROOMS (GENERAL)	1.0 kPa
EXTERIOR WALLS	ACTUAL WEIGHT

- UPPER FLOORS AND MAIN FLOOR LOADS INCLUDE GENERAL PARTITION LOAD OF 1.0kPa AND NON-STRUCTURAL CONCRETE TOPPING. FOR MASONRY PARTITIONS, ACTUAL WEIGHTS SHALL BE USED.
- THESE LOADS DO NOT INCLUDE SELFWEIGHT OF STRUCTURE, WEIGHT OF MASONRY PARTITIONS, WEIGHTS OF MECHANICAL EQUIPMENT AND CONCRETE EQUIPMENT PADS.

- SPECIFIED UNIFORM LIVE LOADS ON FLOORS:

MAIN FLOOR	2.4 kPa
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- DESIGN SPECIFIED CONCENTRATED LIVE LOADS ON ROOF AND FLOORS:

ROOF	1.3 kN
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- WORST CASE OF UNIFORM OR CONCENTRATED LIVE LOADS WILL BE USED FOR DESIGN OF STRUCTURAL MEMBERS.

CONSTRUCTION LOADS:

- CONSTRUCTION LOADS ON COMPLETED FLOORS MUST NOT EXCEED THE LOAD CARRYING CAPACITY OF FLOOR AT THE TIME OF THE LOADING UNLESS IT IS PROPERLY SHORED TO SUPPORT THE INTENDED LOAD. MOVING OF HEAVY EQUIPMENT AND PILING UP OF MATERIAL SHALL NOT BE PERMITTED UNLESS DESIGNED SHORING IS IN PLACE.
- SHORING DESIGN BY CONTRACTOR. INFORM DEPARTMENTAL REPRESENTATIVE PRIOR TO LOAD APPLICATION.

DRAWING LIST (STRUCTURAL)

S-101	GENERAL NOTES
S-102	GENERAL NOTES & TYPICAL DETAILS
S-201	INCINERATOR ROCK FOUNDATION & GROUND FLOOR PLAN AND SECTIONS
S-202	INCINERATOR ROCK ROOF PLAN AND SECTIONS
S-301	LONG BEACH NORTH FOUNDATION & GROUND FLOOR PLAN AND SECTIONS
S-302	LONG BEACH NORTH ROOF PLAN AND SECTIONS
S-401	LONG BEACH SOUTH FOUNDATION & GROUND FLOOR PLAN AND SECTIONS
S-402	LONG BEACH SOUTH ROOF PLAN AND SECTIONS
S-501	WICKANINISH BEACH FOUNDATION & GROUND FLOOR PLAN AND SECTIONS
S-502	WICKANINISH BEACH ROOF PLAN AND SECTIONS
S-601	GREEN POINT NO. 1 FOUNDATION & GROUND FLOOR PLAN AND SECTIONS
S-602	GREEN POINT NO. 1 ROOF PLAN AND SECTIONS
S-701	GREEN POINT NO. 4 FOUNDATION & GROUND FLOOR PLAN AND SECTIONS
S-702	GREEN POINT NO. 4 ROOF PLAN AND SECTIONS

FOUNDATION AND SITE WORK

- REFER TO GEOTECHNICAL REPORT PREPARED BY GOLDER ASSOCIATES DATED JUNE 10, 2018 AND ALL ITS SUPPLEMENTS AND AMENDMENTS FOR EXCAVATION, BACKFILLING, FILL MATERIALS, COMPACTION, FROST PROTECTION AND OTHER SITE PREPARATION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.
- ASSUMED DESIGN SOIL BEARING CAPACITIES: (TO BE CONFIRMED DURING CONSTRUCTION)

GREEN POINT CAMPGROUND

RAFT SLS = 40 kPa ULS = 100 kPa ULS (SEISMIC) = 135 kPa

INCINERATOR ROCK / LONG BEACH / WICKANINISH BEACH

PAD / STRIP FOOTINGS SLS = 100 kPa ULS = 150 kPa ULS (SEISMIC) = 200 kPa

- ANY FOOTING ELEVATIONS INDICATED ON THE DRAWINGS ARE GENERAL AND SHALL BE USED FOR ESTIMATING AND BIDDING PURPOSES. FOOTINGS MAY HAVE TO BE PLACED AT DIFFERENT ELEVATIONS AS A RESULT OF LOCAL SOILS CONDITIONS, UNDERGROUND SERVICES AND TO ACCOMMODATE OTHER MECHANICAL AND ELECTRICAL SERVICES. FOLLOW TYPICAL DETAILS SHOWN ON THESE DRAWINGS FOR FOOTING PLACEMENT RELATIVE TO ADJACENT FOOTINGS, SUMP AND OTHER EXCAVATED STRUCTURES AND LOCATE AS DIRECTED BY GEOTECHNICAL ENGINEER.
- THE BASES OF FOUNDATIONS SHALL BE PROTECTED FROM RAIN, SNOW AND ANY WATER INFILTRATION.
- NO FOUNDATIONS MAY BE POURED BEFORE THE BEARING MATERIAL HAS BEEN INSPECTED BY THE GEOTECHNICAL ENGINEER. NOTIFY THE GEOTECHNICAL ENGINEER MINIMUM 48 HOURS BEFORE INSTALLATION OF FOOTING REINFORCEMENT.
- IMMEDIATELY AFTER INSPECTION AND APPROVAL BY THE GEOTECHNICAL ENGINEER, THE BEARING SURFACE SHALL BE COVERED BY A 50mm THICK CONCRETE GROUND SEAL OF 10MPa STRENGTH.
- COORDINATE CONSTRUCTION WITH UNDERSLAB SERVICES AS SHOWN ON MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DRAWINGS.
- REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SITE DRAINAGE, GROUND ELEVATIONS AND DRAINAGE SLOPES.
- CENTRE ALL FOOTINGS UNDER COLUMNS OR WALLS UNLESS NOTED OTHERWISE.
- DO NOT BACKFILL RETAINING WALLS INCLUDING PERIMETER BASEMENT WALLS BEFORE THEY ARE ADEQUATELY SUPPORTED BY THE SUPPORTING FLOOR(S). ALL CONCRETE SUPPORTING FLOORS MUST HAVE CURED FOR MINIMUM 7 DAYS OR ATTAINED MINIMUM 75% OF THEIR 28-DAYS STRENGTH. ALL BACKFILLING TO COMPLY WITH THE REQUIREMENTS PROVIDED BY THE GEOTECHNICAL ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING AND SEALING REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY SUPPORT OF THE ADJACENT STRUCTURE DURING CONSTRUCTION. UNDERPINNING OR BRACING SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN BRITISH COLUMBIA. SUBMIT 4 COPIES OF DESIGN DRAWINGS, SEALED BY A PROFESSIONAL ENGINEER, TO THE ARCHITECT FOR REVIEW OF CONFORMANCE WITH GENERAL DESIGN CRITERIA.

REINFORCED CONCRETE

- REFER TO SPECIFICATIONS FOR CONCRETE STRENGTH, EXPOSURE CLASS & OTHER REQUIREMENTS.
- REINFORCING BARS f_y = 400 MPa. ALL DOWELS ANCHOR BOLTS AND INSERTS SHALL BE PLACED BEFORE THE CONCRETE IS POURED.
- MINIMUM CLEAR COVER FOR REINFORCING BARS SHALL BE AS FOLLOW, UNLESS NOTED OTHERWISE.

	EXPOSURE CONDITION			UP TO 1 1/2 hrs. FIRE RATING	2 hrs. FIRE RATING
	N	EARTH OR WEATHER F-1, F-2	CHLORIDE C-1, C-3		
CAST AGAINST EARTH	-	75	75	75	75
PEDESTAL - TRANSV. REINF.	30	40	60	30	40
PEDESTAL - PRINC. REINF.	40	50	70	40	50
WALLS	20	40	60	20	25
SLABS - TOP & BOTTOM REINF.	20	40	60	20	25

- TRANSVERSE REINFORCEMENT INCLUDES TIES, STIRRUPS AND SPIRALS.
- THE RATIO OF THE COVER TO THE MAXIMUM AGGREGATE SIZE AND THE RATIO OF COVER TO NOMINAL BAR DIAMETER SHALL BE AT LEAST 1.0 FOR N CLASS EXPOSURE, 1.5 FOR EXPOSED SURFACES F-1, F-2 CLASSES AND 2.0 FOR C-1, C-3 CLASSES
- THE COVER FOR BUNDLED BARS SHALL BE THE SAME AS THAT FOR A SINGLE BAR WITH EQUIVALENT AREA.
- CONFIRM WITH ARCHITECT FOR FIRE RATING REQUIREMENT.

- MINIMUM SPLICE LENGTH SHALL BE CLASS B AS FOLLOWS, UNLESS NOTED OTHERWISE:

BAR	TENSION SPLICE		
	25MPa	30MPa	32MPa
10M	450	400	400
15M	600	550	500
20M	750	700	650

- ALL SPLICES SHALL BE TENSION SPLICES, EXCEPT SPLICES FOR COLUMNS WHICH SHALL BE COMPRESSION SPLICES UNLESS NOTED ON DRAWINGS.
- INCREASE LENGTHS BY 33% FOR BOTTOM BARS IN BEAMS WITHOUT STIRRUPS.
- INCREASE LENGTHS BY 30% FOR BARS WITH DEPTH OF CONCRETE CAST BELOW GREATER THAN 300mm (TOP BARS).
- INCREASE LENGTHS BY 50% FOR EPOXY COATED BARS.
- ALL INCREASES ABOVE ARE CUMULATIVE.

PROFESSIONAL ENGINEER
L. S. LAM
MARCH 9, 2017

Revision/	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 90% CD REVIEW	2016/03/10
0	ISSUED FOR 50% CD REVIEW	2016/02/19

Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDING
REPLACEMENT**

Consultant Signature Only

Designed by/Concept par
L.L.

Drawn by/Dessiné par
MC

PWSSC Project Manager/Administrateur de Projets TPSSC

TOM DUNPHY
Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSSC
PREETIPAL PAUL

Drawing title/Titre du dessin

GENERAL NOTES

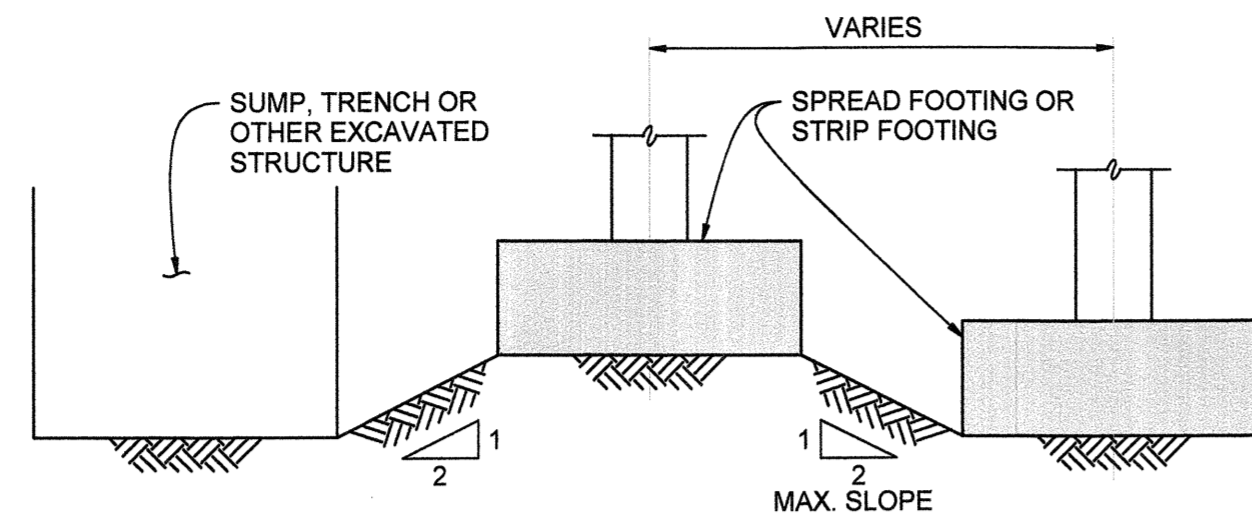
Project No./No. du projet R.078666.001	Sheet/Feuille S101 OF 14	Revision no./La Révision no. 2
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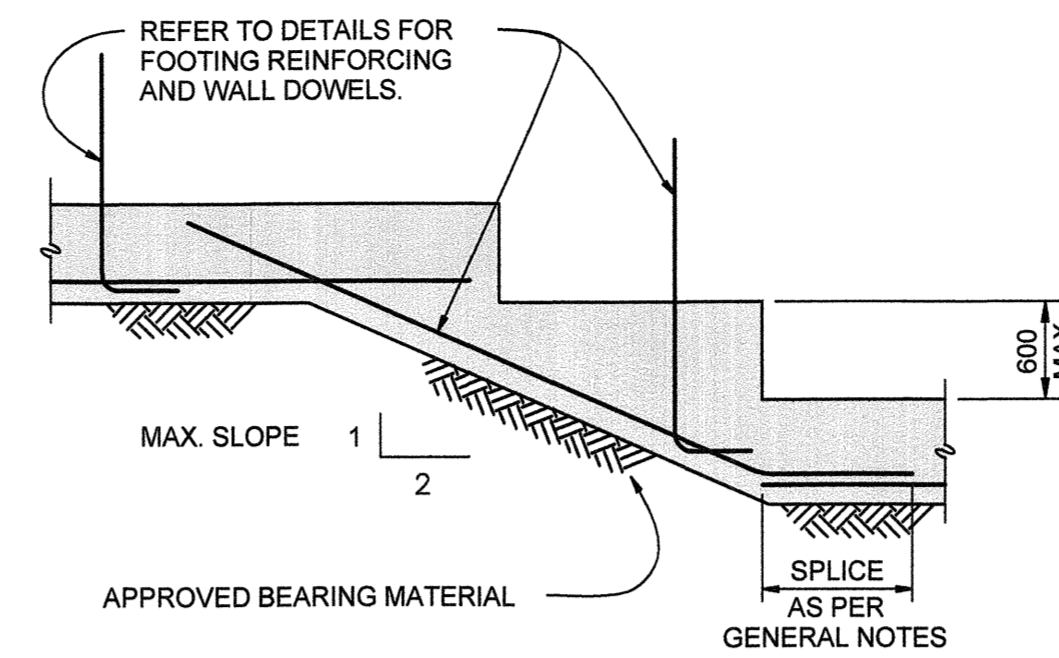


WOOD PRODUCTS

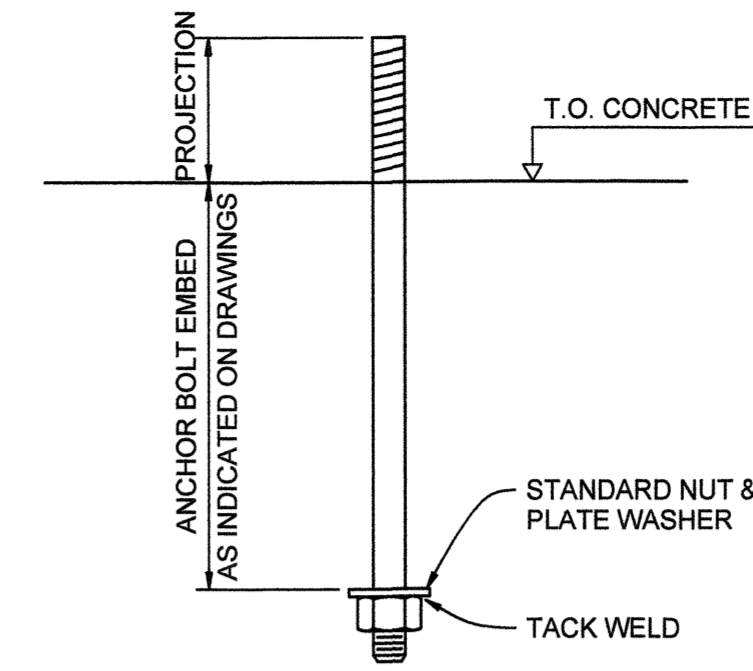
- REFER TO SPECIFICATIONS FOR TIMBER GRADE, CODE REFERENCES AND OTHER REQUIREMENTS.
- PROVIDE 2x BLOCKING AT MIDHEIGHT OF STUDS OVER 2400 IN HEIGHT.
- 2x SOLID BLOCK SHALL BE PLACED BETWEEN ALL JOISTS AND RAFTERS AT SUPPORTS.
- PLACE 2x SOLID BLOCK OR METAL CROSS BRIDGING OF EQUAL STRENGTH AS FOLLOWS:
 - FLOOR JOIST OVER 185 NOMINAL DEPTH AND OVER 3000 SPAN, SPACE BRIDGING AT 3000 O/C OR PLACE AT MIDSPAN IF SPAN LESS THAN 6000.
- DOUBLE UP ALL TRIMMER JOISTS AROUND ALL ROOF & FLOOR OPENINGS, I.E., CHIMNEY ETC.
- ALL FLUSH FRAMED MEMBERS TO BE SECURED WITH APPROVED METAL JOIST HANGER.
- NAILS SHALL BE PLACED NOT LESS THAN 9mm FROM THE PANEL EDGE AND SHALL NOT BE OVER-DRIVEN MORE THAN 15% OF THE PANEL THICKNESS.



RELATIVE ELEVATIONS OF ADJACENT FOOTING
N.T.S.



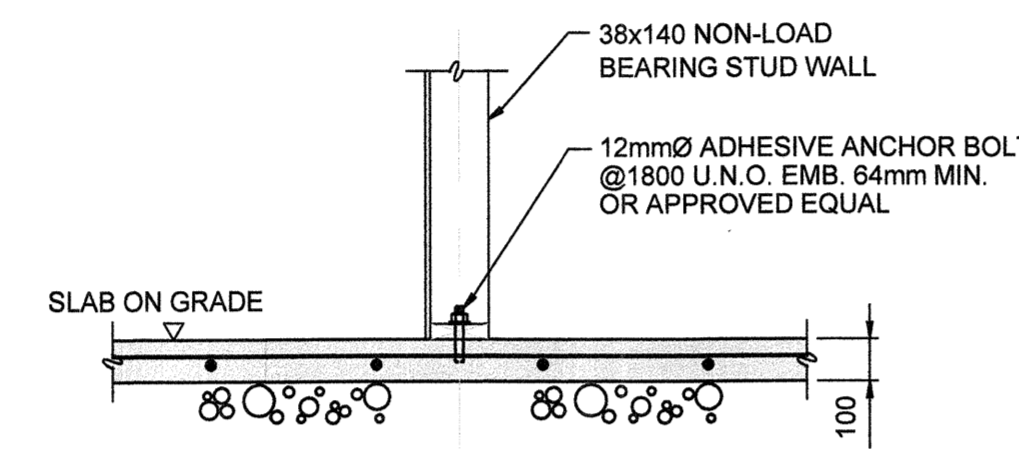
STEPPED STRIP FOOTING
N.T.S.



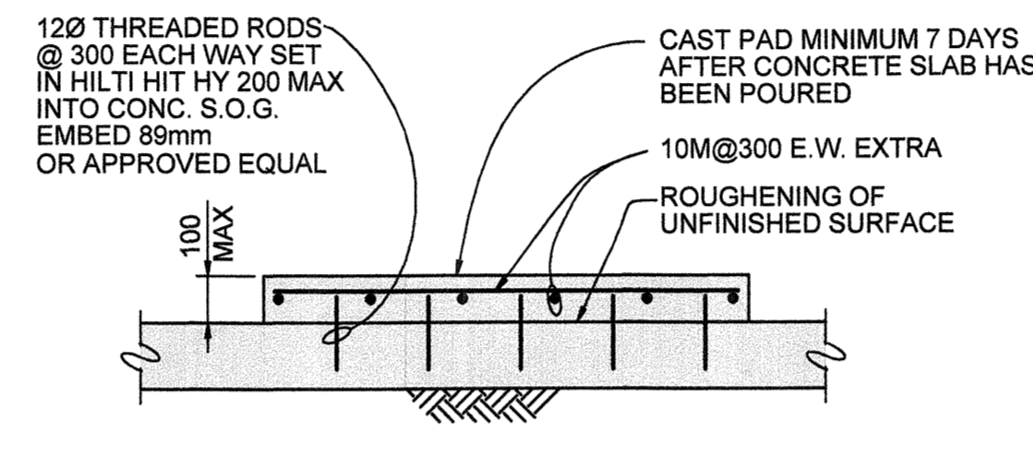
TYPICAL ANCHOR BOLT DETAIL
N.T.S.

STEEL:

- FABRICATION, ERECTION, STRUCTURAL DETAILING OF ALL STRUCTURAL STEEL AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CAN/CSA-S16.1.
- STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40.20 FOR GENERAL REQUIREMENTS AND CAN/CSA-G40.21 FOR QUALITY.
- GRADE OF MATERIAL: 300W
- STEEL DECK SHALL CONFORM TO CSSBI 101M, STRUCTURAL QUALITY GRADE A WITH ZF075 COATING.
- STEEL DECK FASTENING: APPROVED DECK PINS SPACED @150mm TO SUPPORT ANGLES ALL AROUND EDGES AND SIDE LAPS WITH #10 SCREWS AT MAXIMUM 150mm.

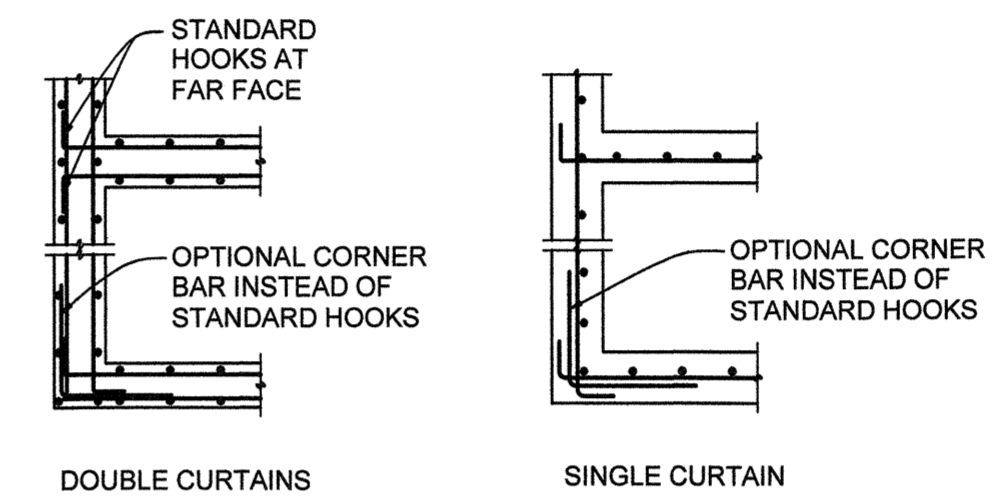


TYPICAL NON-LOAD BEARING WALL DETAIL
N.T.S.



(FOR LOCATION AND SIZE OF PADS AND ANCHOR BOLTS FOR EQUIPMENT SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS)

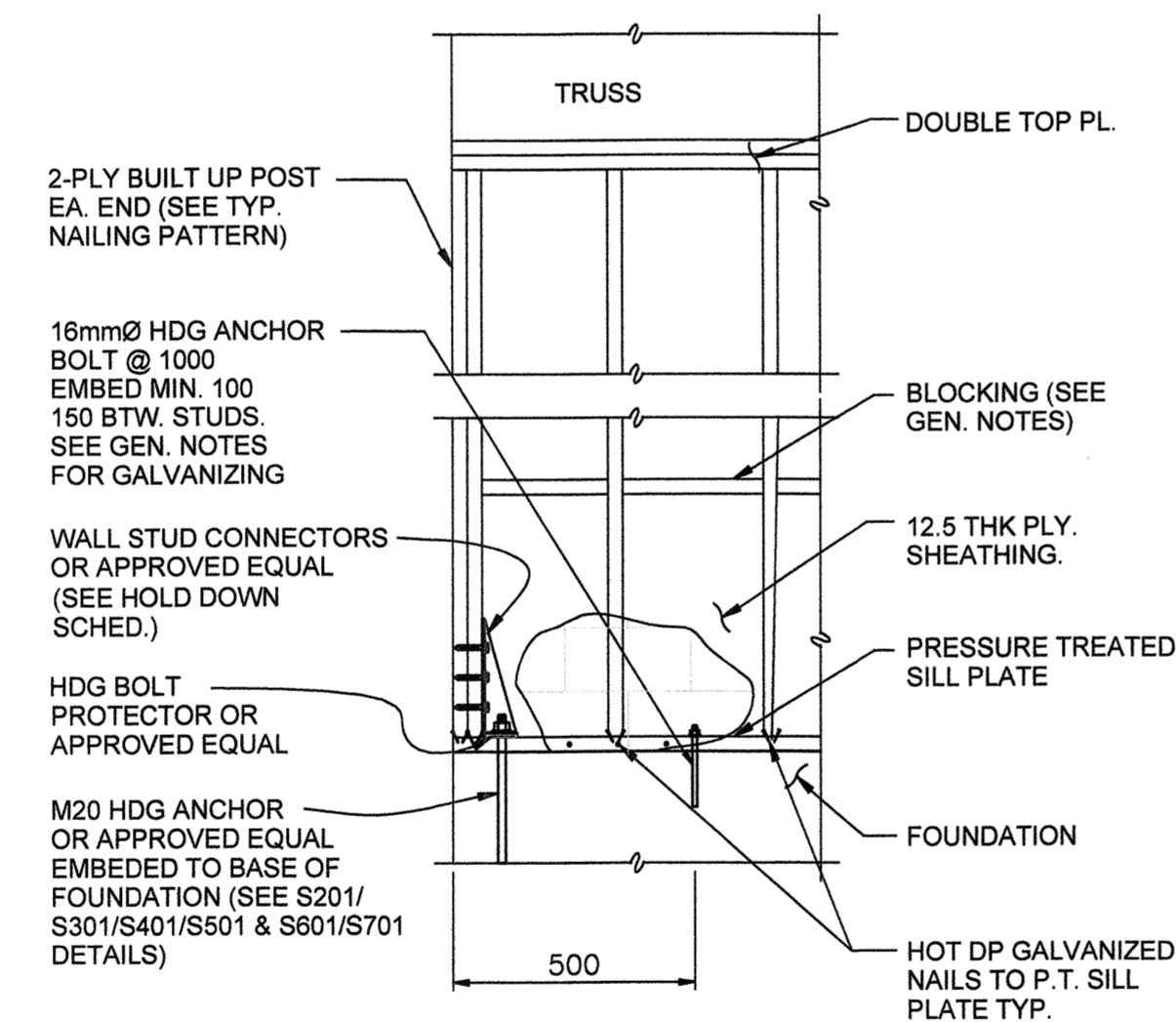
TYPICAL EQUIPMENT PADS ON CONCRETE SLAB
N.T.S.



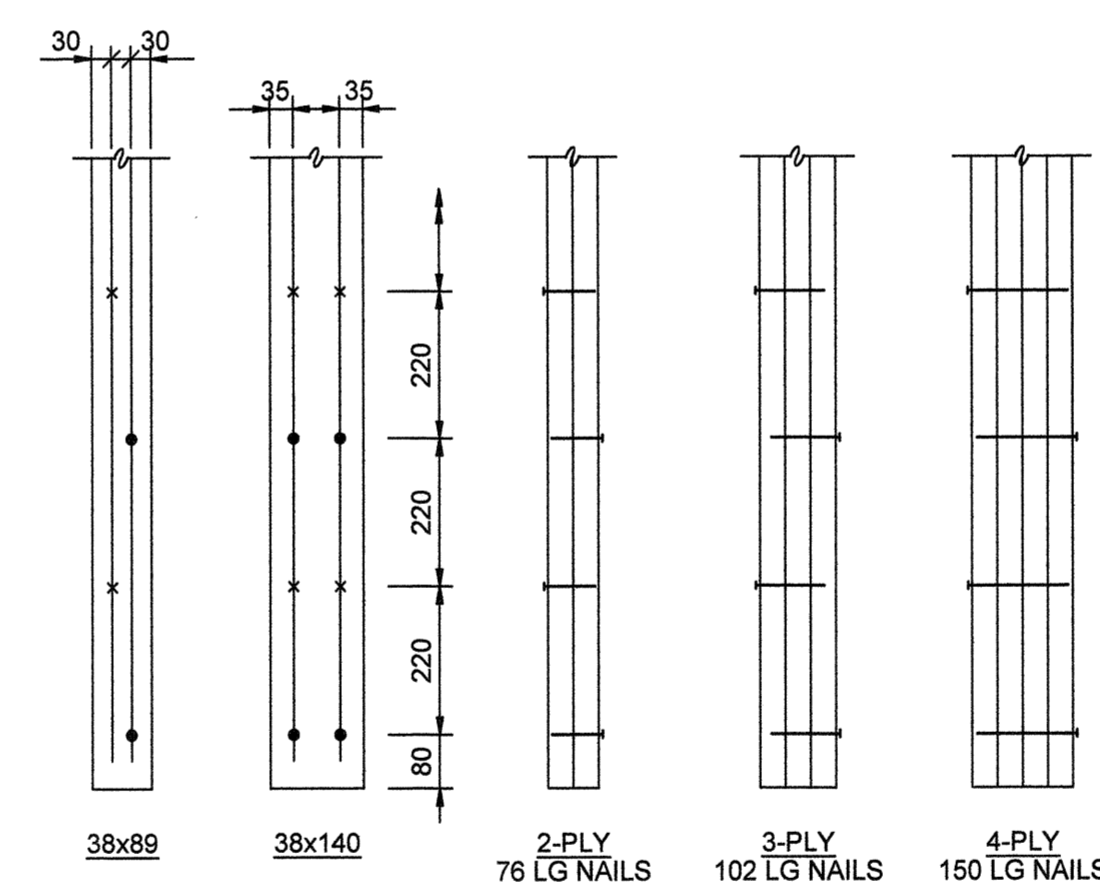
TYPICAL WALL INTERSECTION PLAN DETAILS
DETAILS FOR SINGLE AND DOUBLE CURTAINS ARE SIMILAR
N.T.S.

ABBREVIATIONS

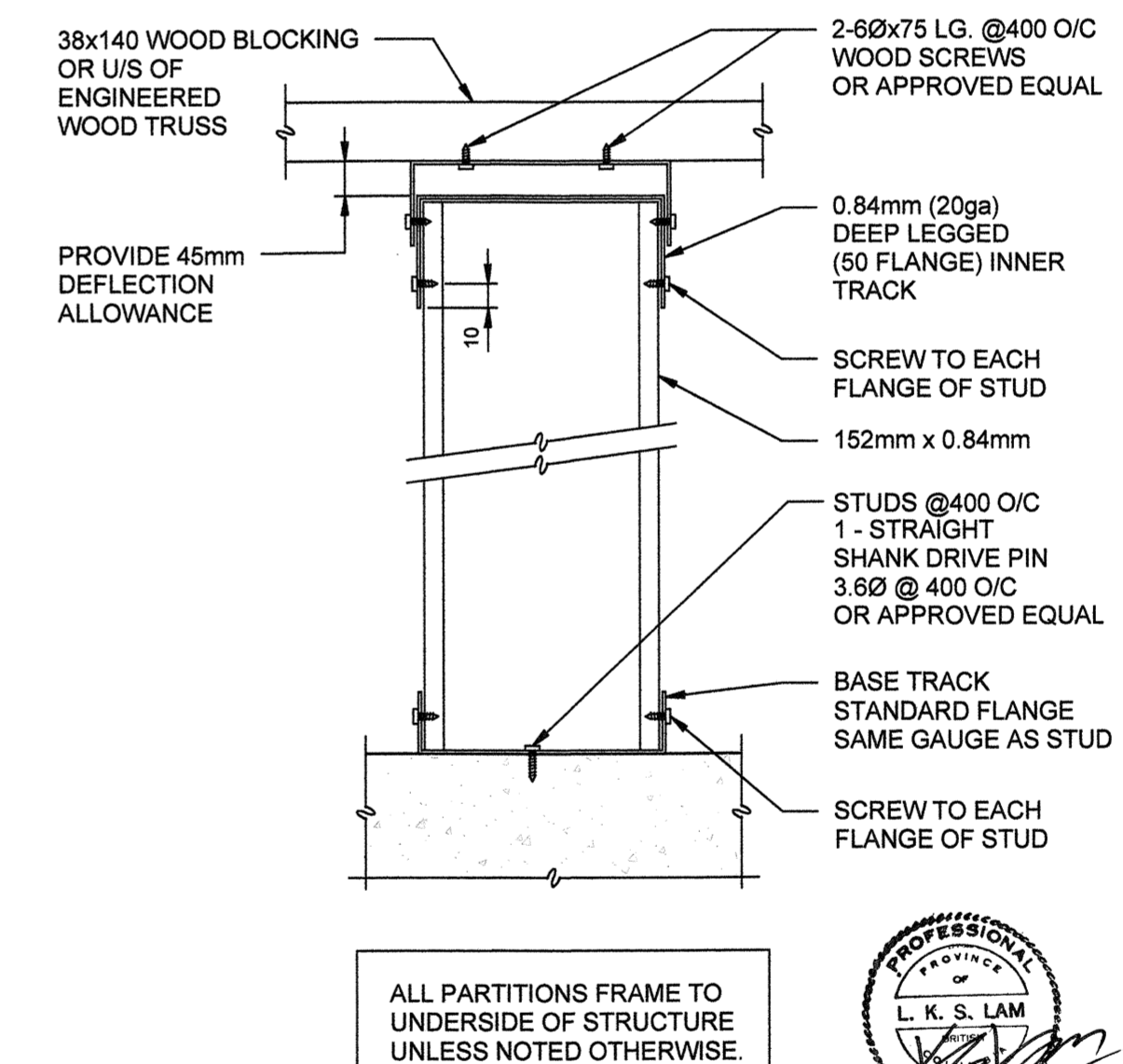
A.BOLT	ANCHOR BOLT	HDG	HOT DIPPED GALVANIZED
ALT.	ALTERNATE	L.V.	LENGTH VARIES
ARCH.	ARCHITECTURAL	LG.	LONG
BLDG.	BUILDING	LL	LOW LEVEL
BOT.	BOTTOM	LLV	LONG LEG VERTICAL
BTW.	BETWEEN	LLH	LONG LEG HORIZONTAL
C/C	CENTER TO CENTER	LONG.	LONGITUDINAL
C/W	COMPLETE WITH	MAX.	MAXIMUM
C.I.P.	CAST IN PLACE	MECH.	MECHANICAL
CANT.	CANTILEVER	MIN.	MINIMUM
CL.	CLEAR	N/A	NOT AVAILABLE
C.N.	COMMON NAIL	N.S.	NEAR SIDE
COL.	COLUMN	N.STUD	NELSON STUD
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONT.	CONTINUOUS	O/C	ON CENTRES
DL	DEAD LOAD	OPP.	OPPOSITE HAND
DN	DOWN	OWSJ	OPEN WEB STEEL JOIST
DO.	DITTO	P.C.	PRECAST CONCRETE
DP.	DEEP	PL	PLATE
DWG.	DRAWING	PLY.	PLYWOOD
E.W.	EACH WAY	PROJ.	PROJECTION



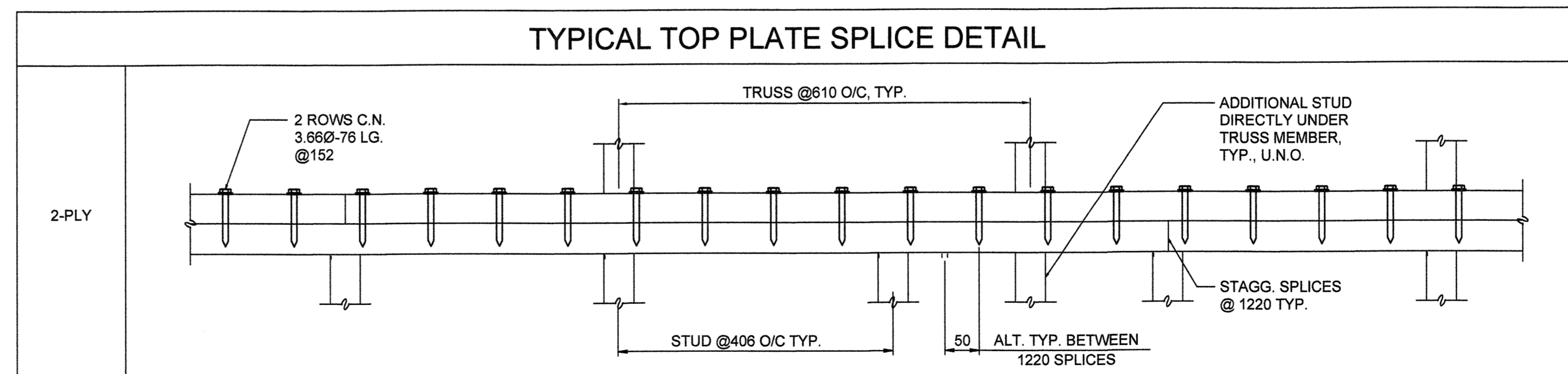
TYPICAL CONNECTION DETAIL SHEAR WALL TO FOUNDATION WALL
N.T.S.



TYPICAL NAILING PATTERN (C.N.) FOR BUILT-UP COLUMNS IN STUD WALLS
N.T.S.



INTERIOR PARTITION FRAMING SCHEDULE
N.T.S.



TYPICAL TOP PLATE SPLICE DETAIL

5		
4		
3		
2	ISSUED FOR TENDER	2017/03/03
1	ISSUED FOR 95% CD REVIEW	2016/03/10
0	ISSUED FOR 80% CD REVIEW	2016/02/19
REVISION/	Description/Description	Date/Date

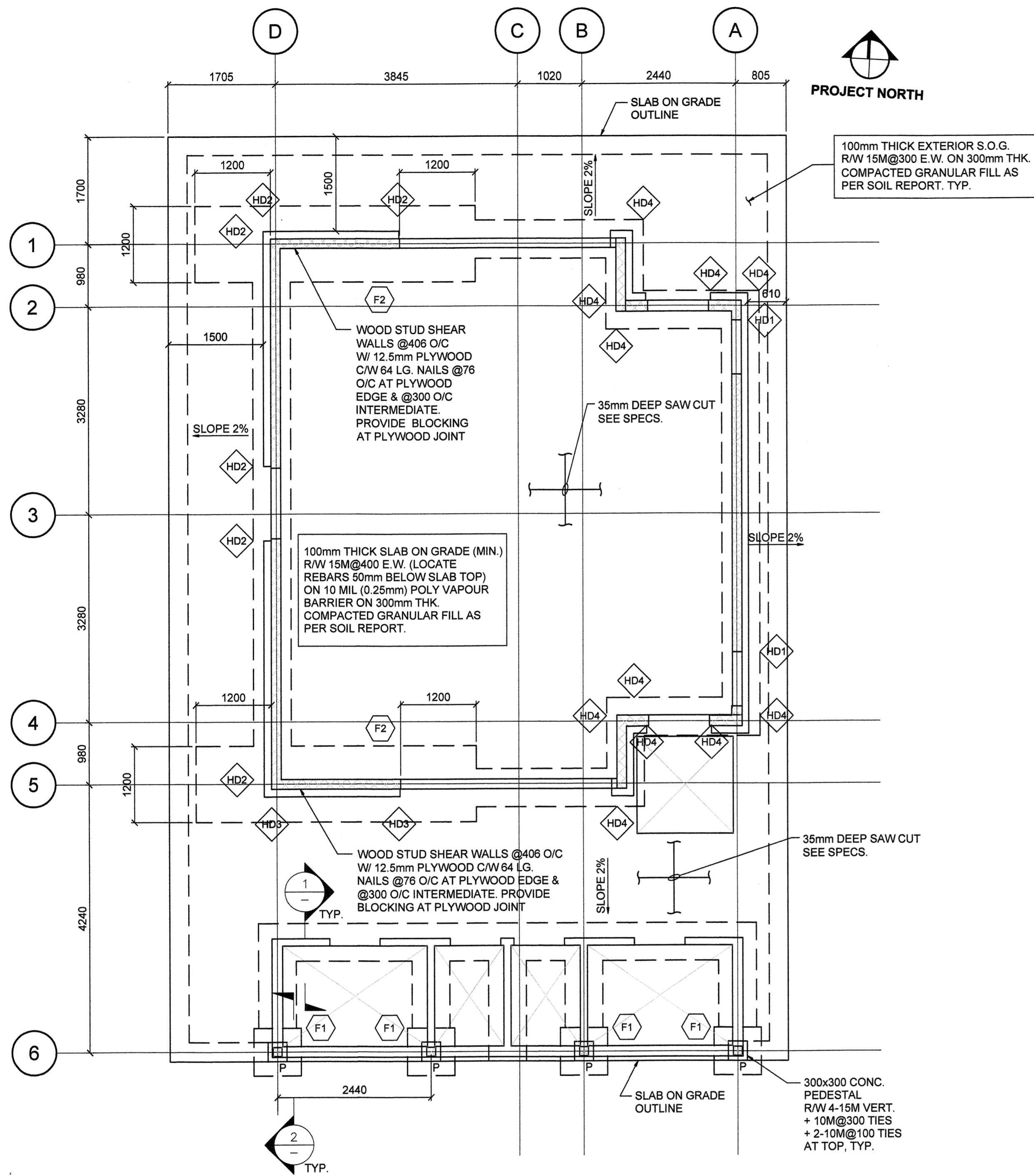
Client/client
PARKS CANADA

Project title/Titre du projet
PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK WASHROOM BUILDING REPLACEMENT

Consultant Signature Only
 Designed by/Concept par
L.L.
 Drawn by/Dessiné par
MC
 PWGSC Project Manager/Administrateur de Projets TPWSC
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régional, Services d'architecture et de génie, TPWSC
PREETIPAL PAUL

Drawing title/Titre du dessin
GENERAL NOTES & TYPICAL DETAILS

Project No./No. du projet
R.078666.001
 Sheet/Feuille
S102
 Revision no./Lo. Révision
2



LEGEND

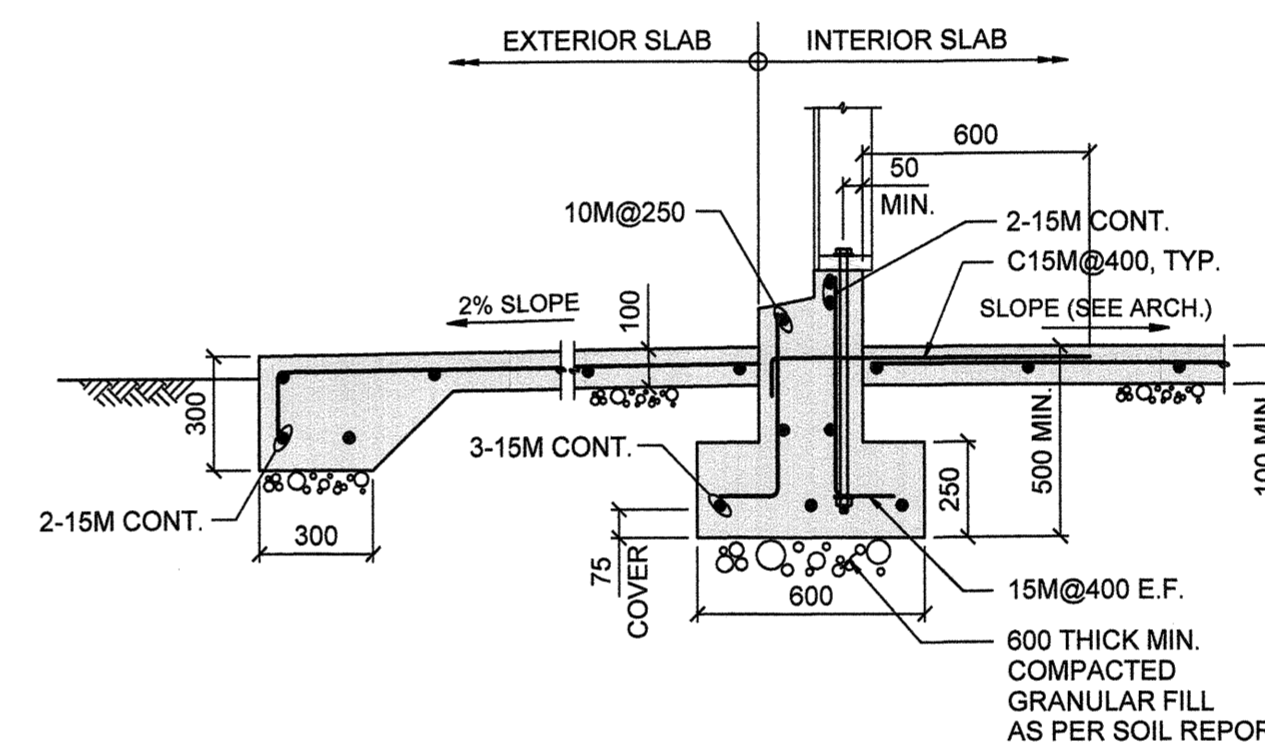
- DENOTES WOOD STUD SHEAR WALLS @406 O/C W/ 12.5mm PLYWOOD C/W 64 LG. NAILS @100 O/C AT PLYWOOD EDGE & @300 O/C INTERMEDIATE. PROVIDE BLOCKING AT PLYWOOD JOINT, TYP. U.N.O.
- DENOTES HOLD DOWN, SEE SCHEDULE
- DENOTES 140x140 D. FIR POST C/W SIMPSON COLUMN BASE CB66 OR APPROVED EQUAL
- DENOTES 750x750x250 DP CONCRETE FOOTING R/W 4-15M BOTT. E.W.
- DENOTES 250 DP CONCRETE FOOTING R/W 8-15M BOTT. LONG., 15M@400 T&B TRANS.

HOLD DOWN SCHEDULE

- SIMPSON STRONG TIE HOLD DOWN HUD2-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD4-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD5-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD8-SDS2.5 OR APPROVED EQUAL

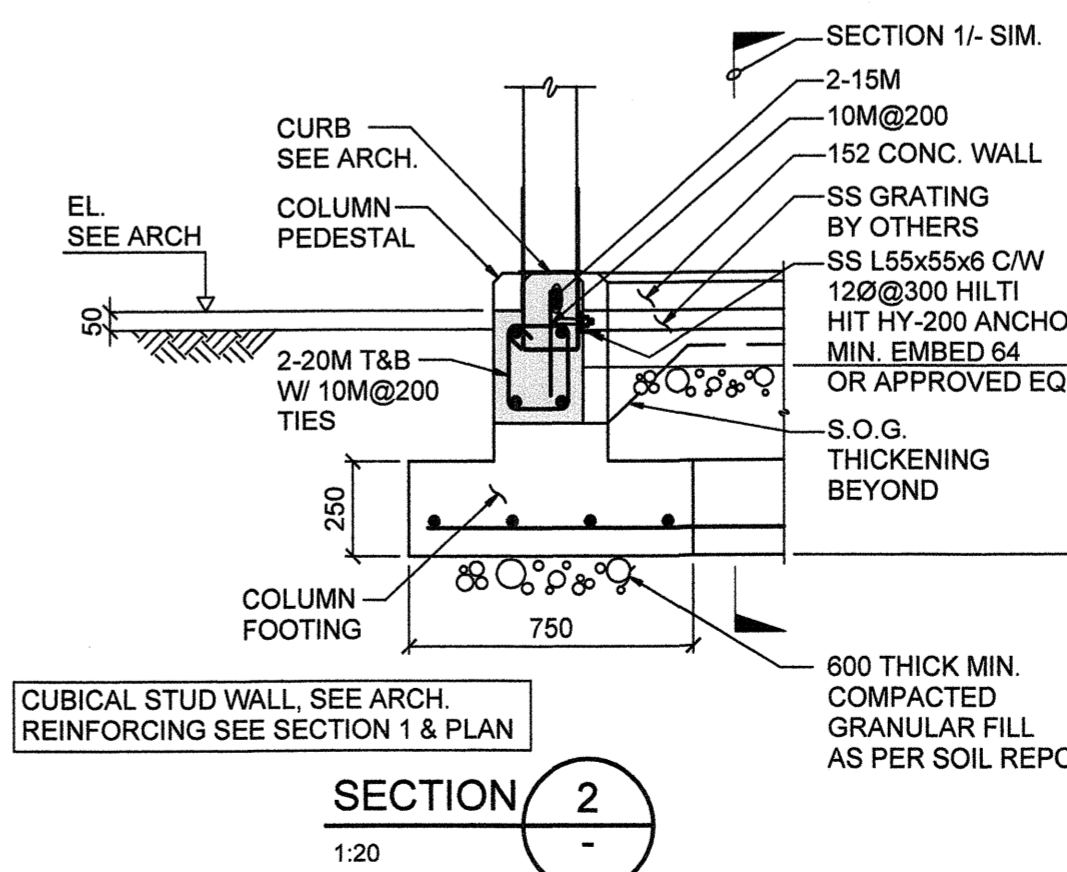
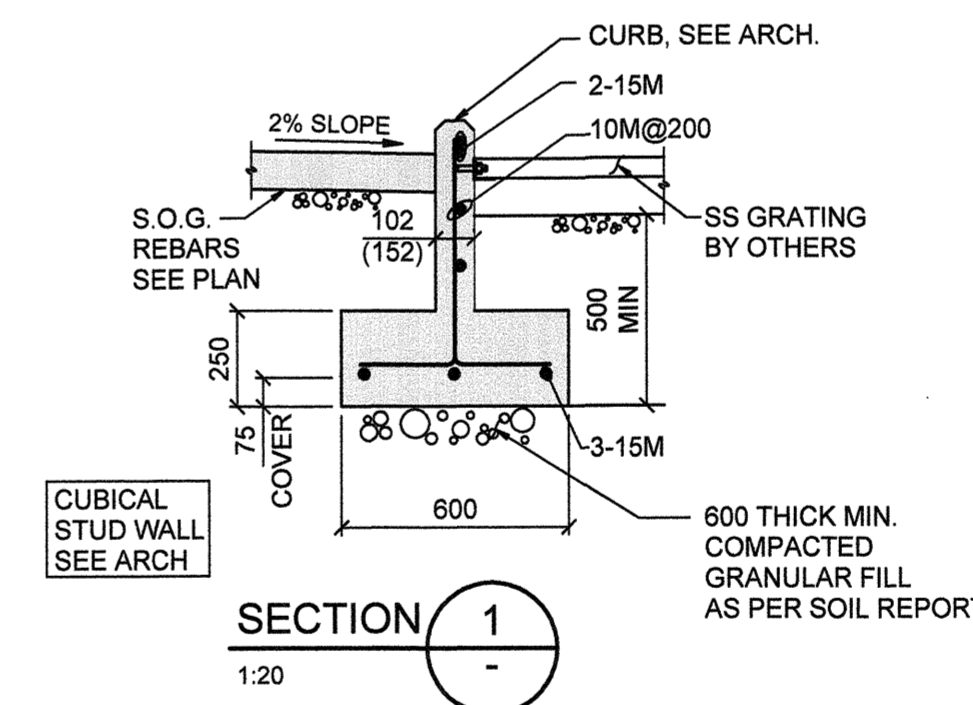
NOTES:

1. U.N.O., ALL STUD WALLS TO BE 38x140@400 O/C.
2. U.N.O., PROVIDE 2-38x140 AT WALL ENDS AND ADJACENT TO WALL OPENINGS.



TYPICAL SLAB DETAIL FOR INTERIOR SLAB & EXTERIOR SLAB

1:20



PROFESSIONAL ENGINEER
 L. K. S. LAM
 2017/03/20

Revision/Revisão	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2017/03/20
1	ISSUED FOR 99% CD REVIEW	2016/03/10
0	ISSUED FOR 80% CD REVIEW	2016/02/19

Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
 PACIFIC RIM NATIONAL PARK
 WASHROOM BUILDING
 REPLACEMENT**

Consultant Signature Only
 Designed by/Concept par
LL
 Drawn by/Dessiné par
MC
 PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gestionnaire Régionale, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL
 Drawing title/Titre du dessin

**INCINERATOR ROCK
 FOUNDATION & GROUND FLOOR PLAN
 AND SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./Lo Révision no.
R.078666.001	S201	2

12334

OF 14

Revision/	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 99% CD REVIEW	2016/03/10
0	ISSUED FOR 80% CD REVIEW	2016/02/19

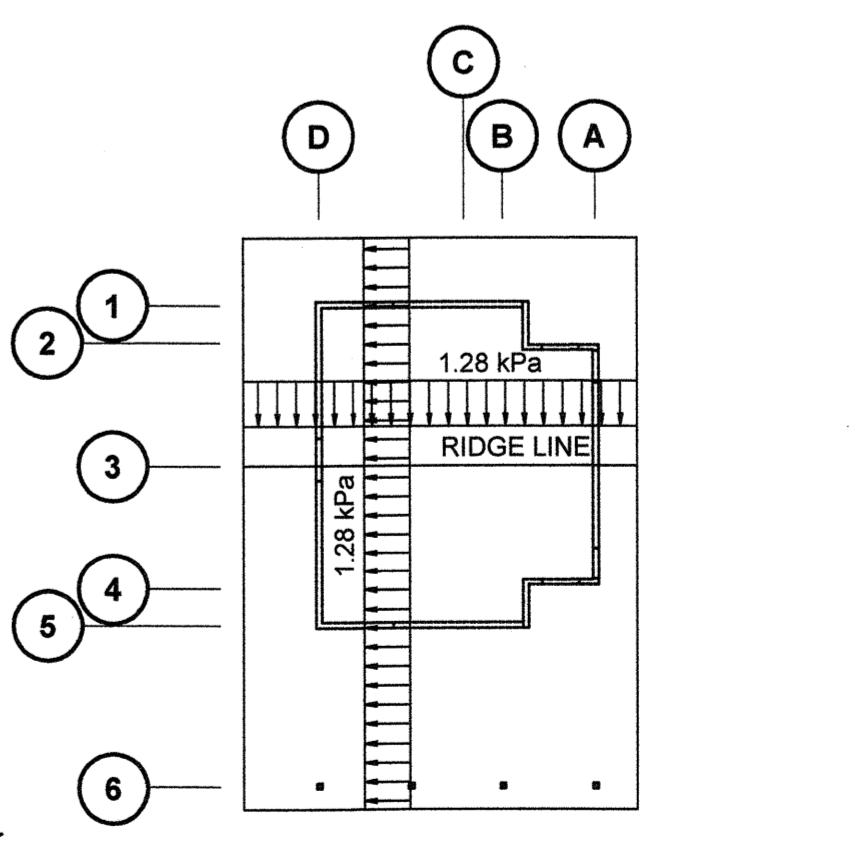
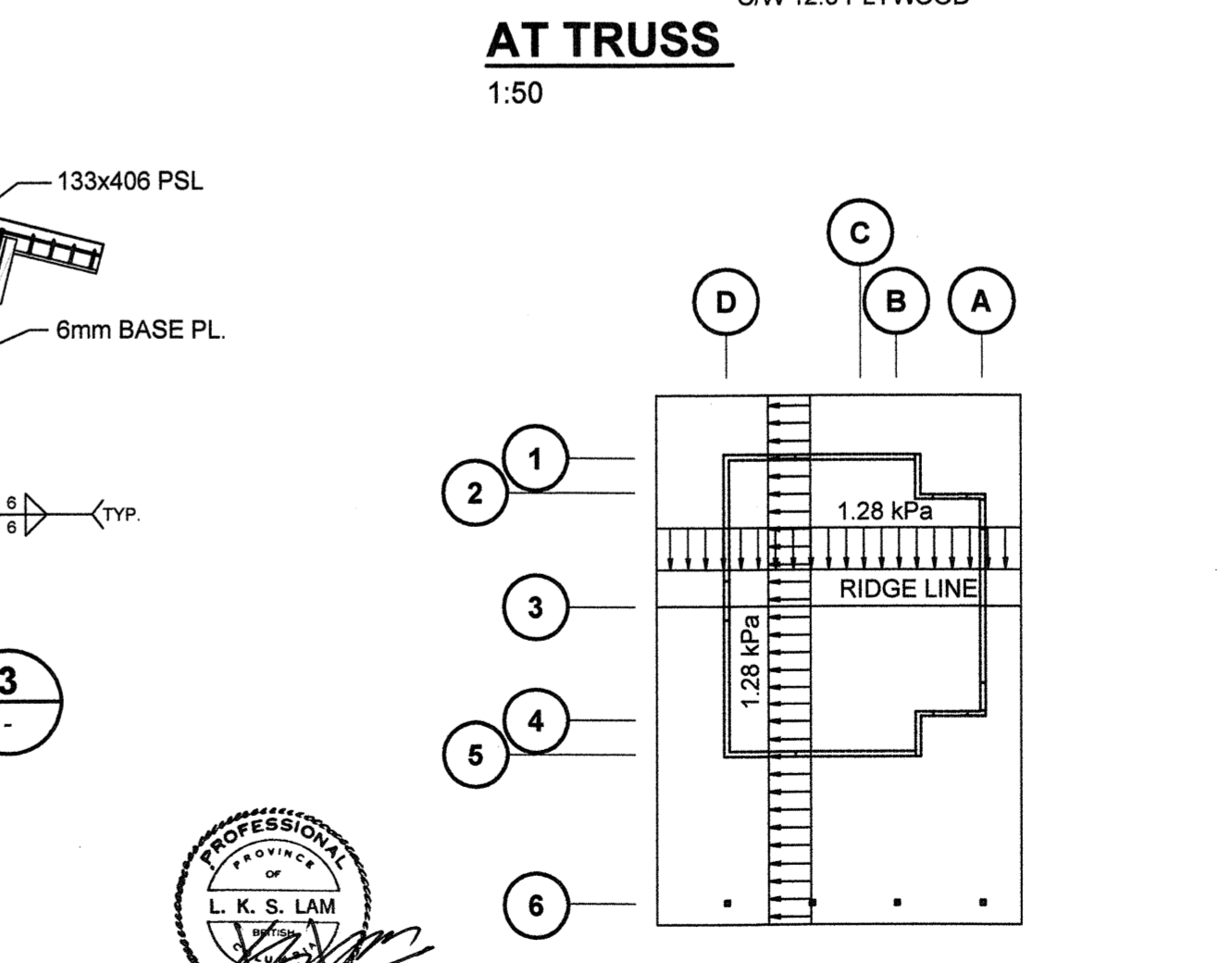
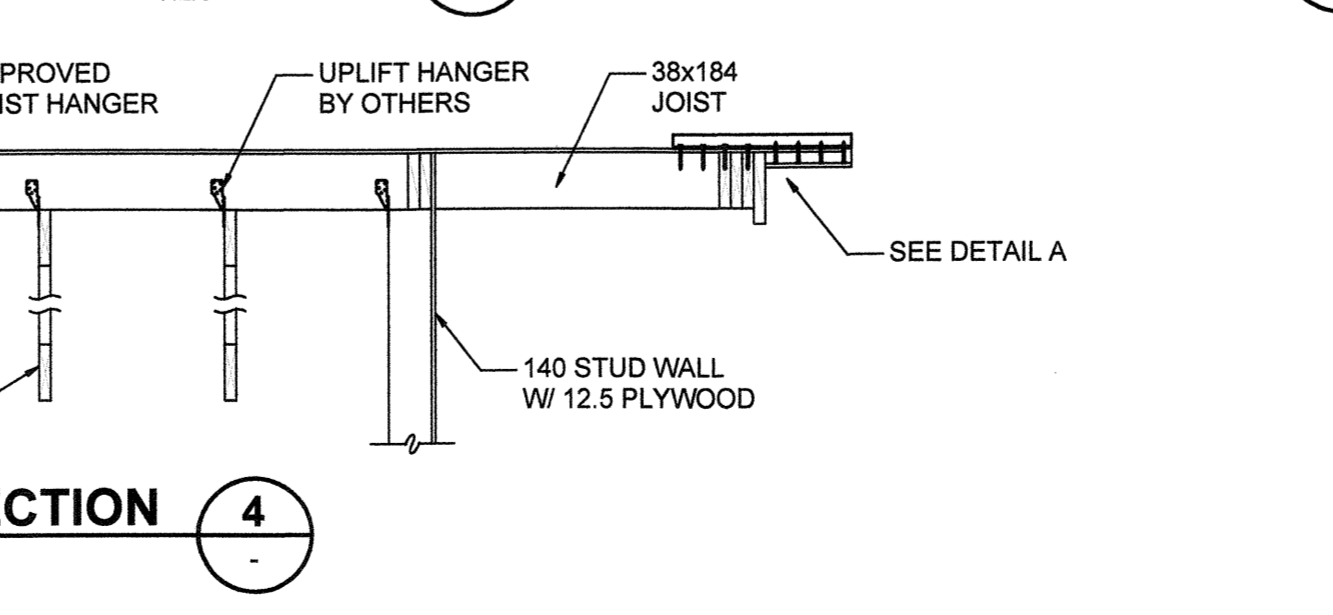
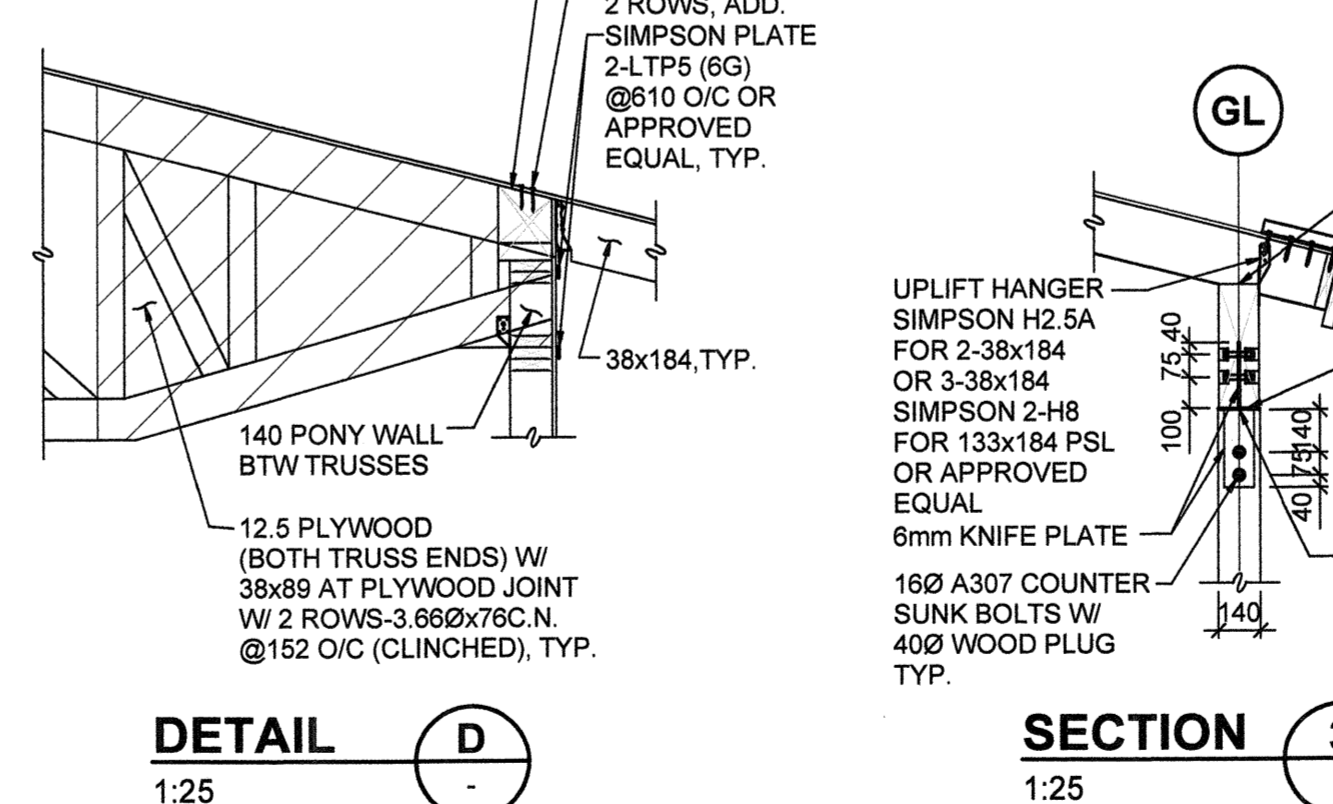
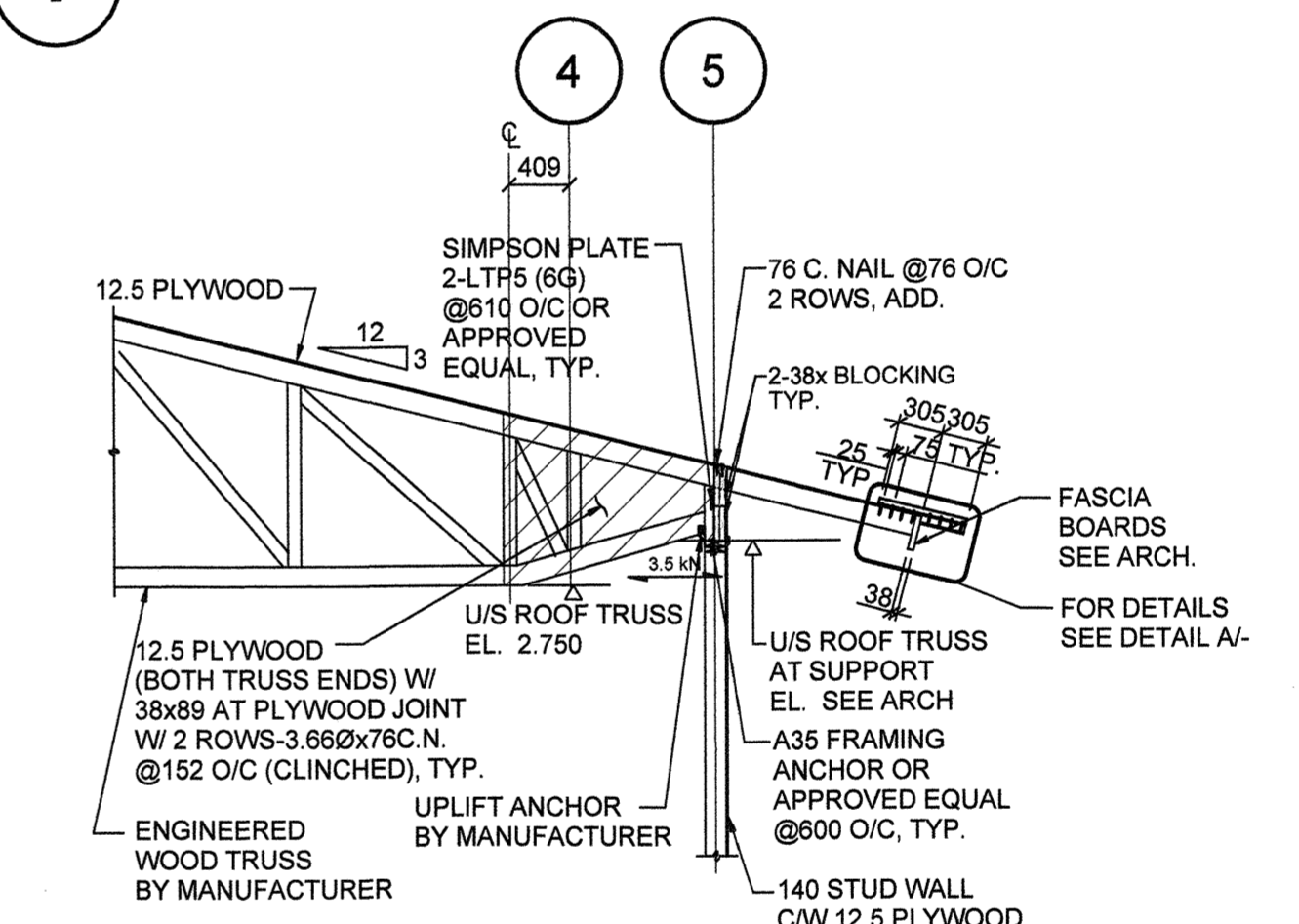
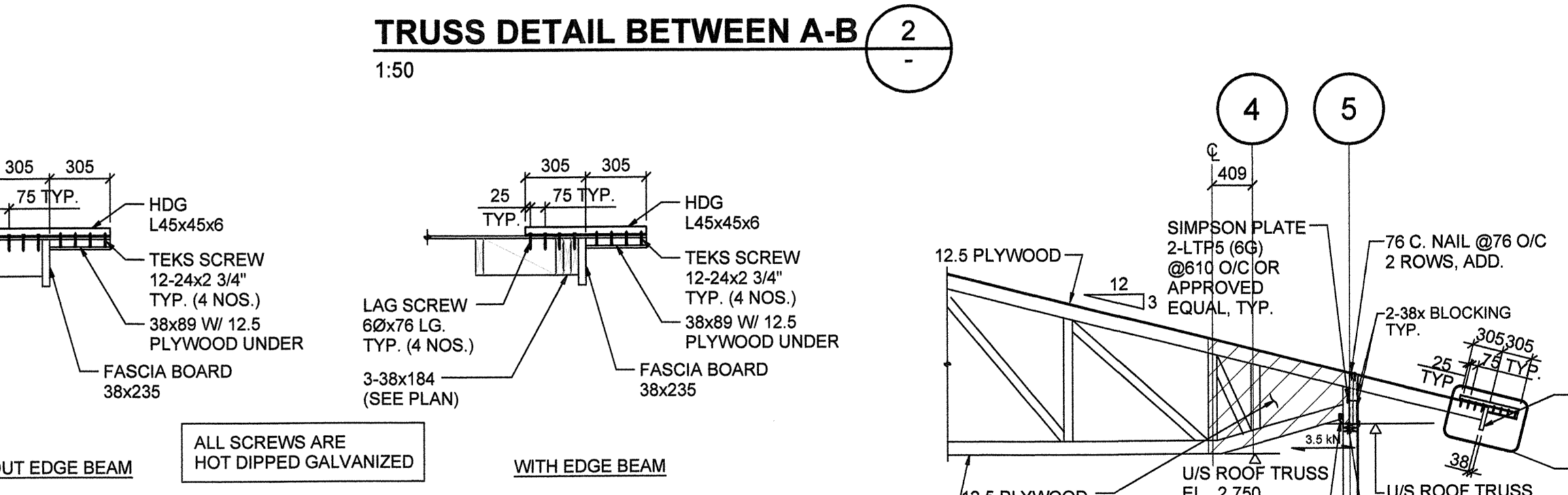
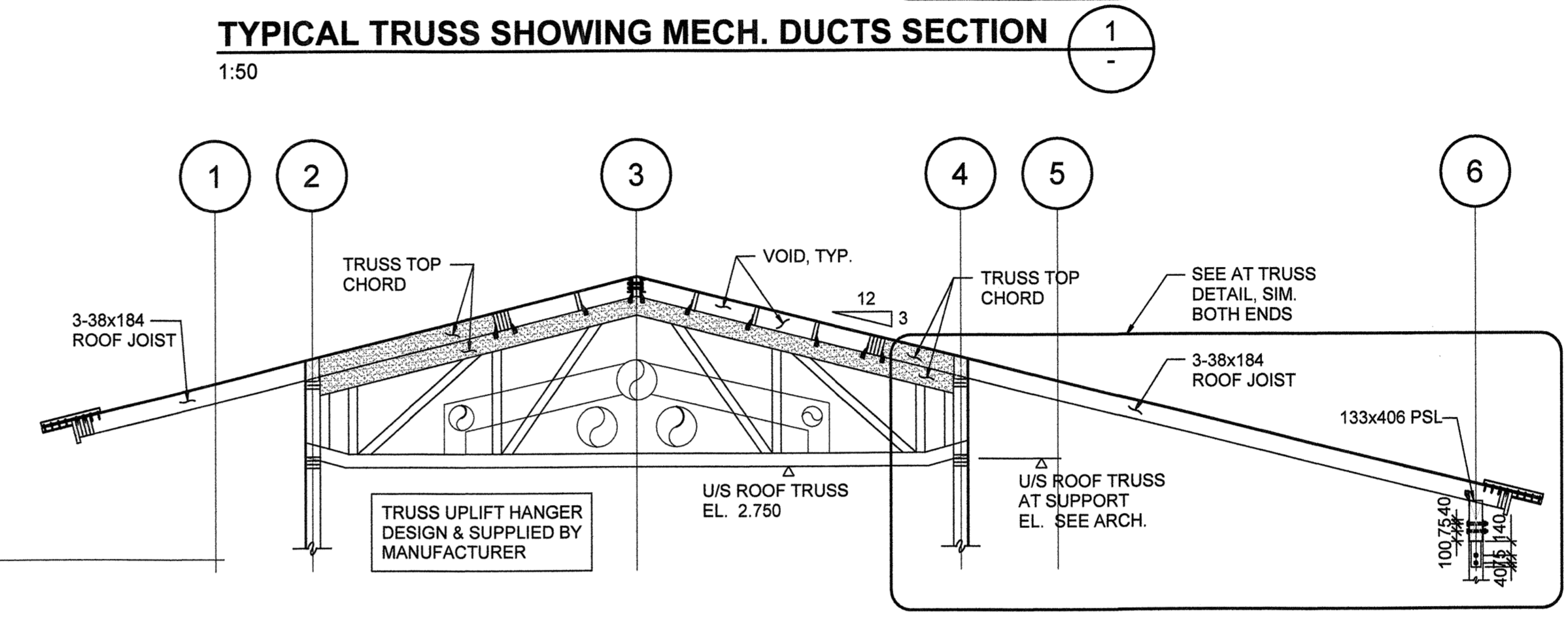
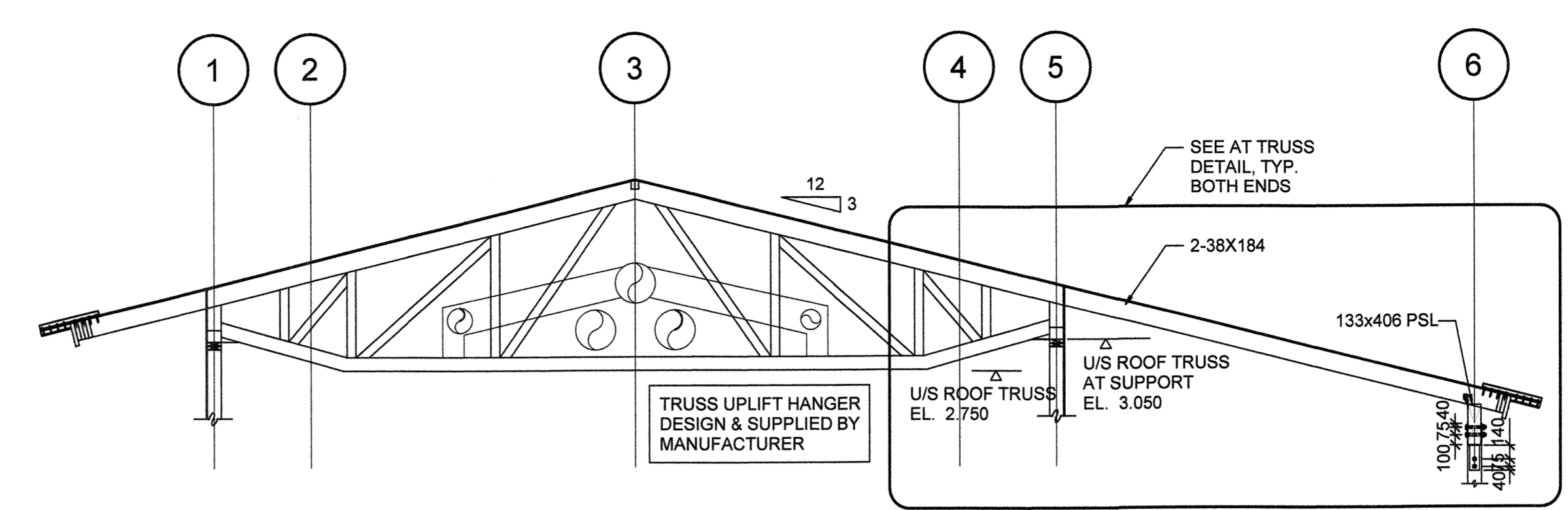
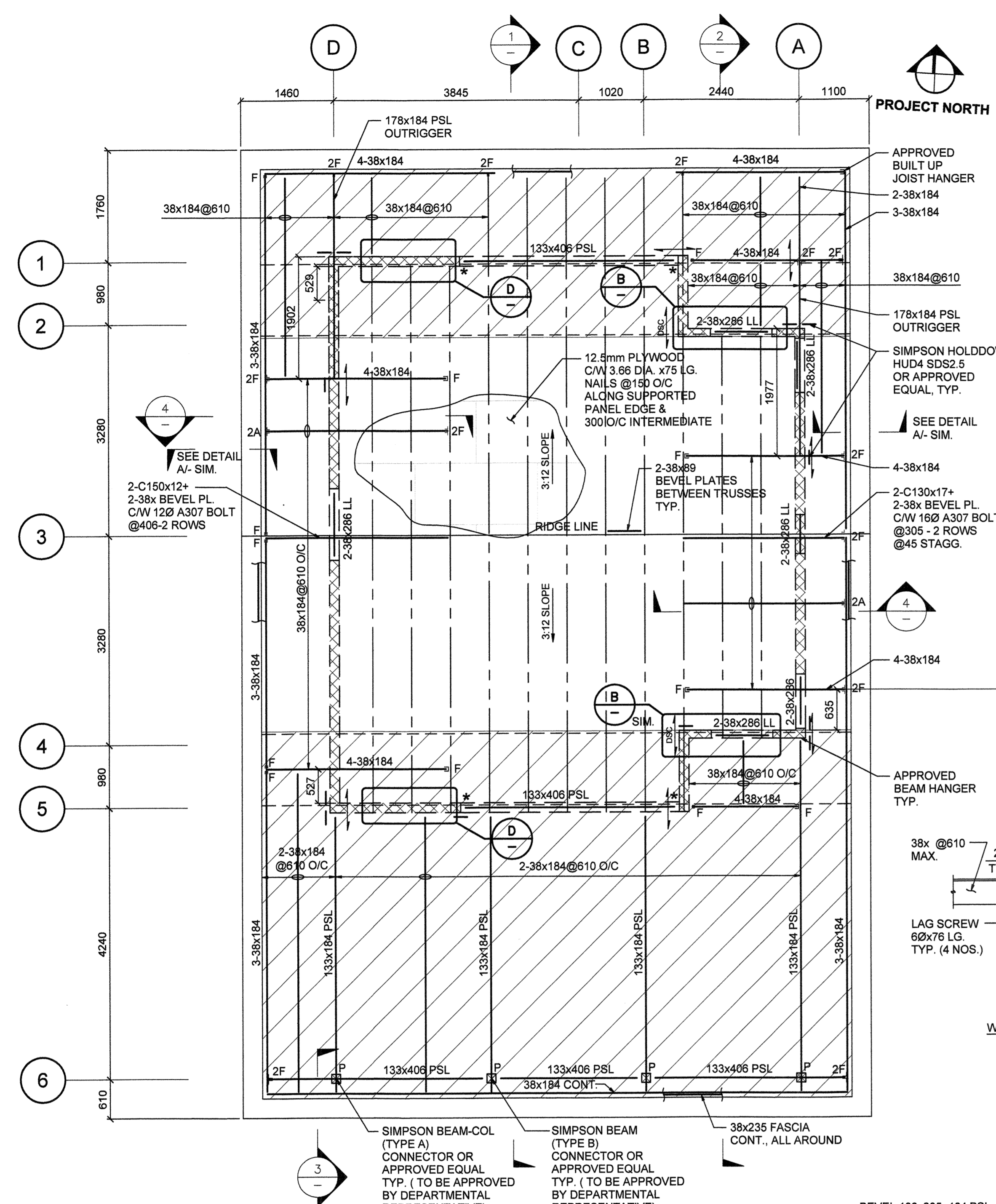
Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
 PACIFIC RIM NATIONAL PARK
 WASHROOM BUILDING
 REPLACEMENT**

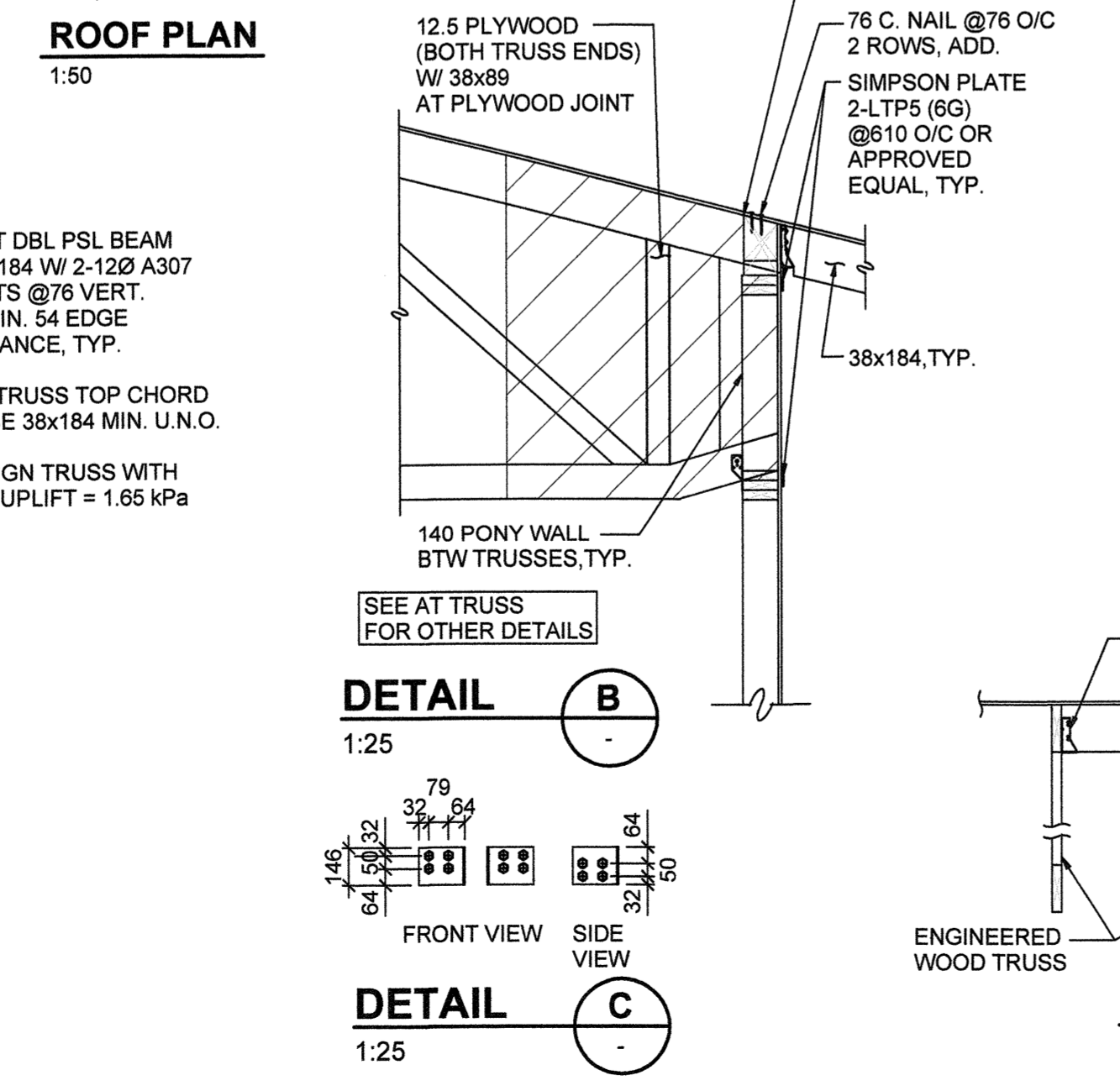
Consultant Signature Only
 Designed by/Concept par
L.L.
 Drawn by/Dessiné par
MC
 PWGSC Project Manager/Administrateur de Projets TPSSC
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architectural et de génie, TPSSC
PREETIPAL PAUL

Drawing title/Titre du dessin
**INCINERATOR ROCK
 ROOF PLAN AND SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision No.
R.078666.001	S202	2



- LEGEND:**
- u F DENOTES SIMPSON JOIST HANGER HUC48, TYP. OR APPROVED EQUAL
 - u 2F DENOTES 1/2 175x175x6.4x146 LG C/W 8-16@ A307 BOLTS, TYP. AS PER DETAIL C-
 - u 2A DENOTES SIMPSON FRAMING ANCHOR A35 EACH SIDE
 - DENOTES ENGINEERED WOOD TRUSS @610 O/C
 - DENOTES ROOF JOISTS 38x184 @610 O/C TYP., U.N.O.
 - DENOTES SIMPSON STRAP TIE OR APPROVED EQUAL (35 KN MIN.)
 - DENOTES DRAG STRUT CONNECTOR DSC4R-SDS3 OR APPROVED EQUAL
 - DENOTES SIMPSON COIL STRAP CM14 OR APPROVED EQUAL WITH 2-38x140 BLOCKING WHERE REQUIRED
 - PSL DENOTES PARALLEL STRANDED LUMBER BEAM
 - /// DENOTES NAILING 3.66@76 LG. @ 75 O/C ALONG SUPPORTED PANEL EDGE & @ 300 O/C INTERMEDIATE (BLOCKING TO BE PROVIDED AT JOINT)
 - P DENOTES 140x140 D. FIR POST C/W SIMPSON COLUMN CAP PC68 OR APPROVED EQUAL
 - * DENOTES SIMPSON STRAP TIES 3-ST22 (VERT.) OR APPROVED EQUAL
- NOTES:**
- BOLT DBL PSL BEAM 178x184 W/ 2-12@ A307 BOLTS @76 VERT. W/ MIN. 54 EDGE DISTANCE, TYP.
 - ALL TRUSS TOP CHORD TO BE 38x184 MIN. U.N.O.
 - DESIGN TRUSS WITH NET UPLIFT = 1.65 kPa



5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 90% CD REVIEW	2016/05/10
0	ISSUED FOR 50% CD REVIEW	2016/02/19
Revision/	Description/Description	Date/Date

Client/client
PARKS CANADA

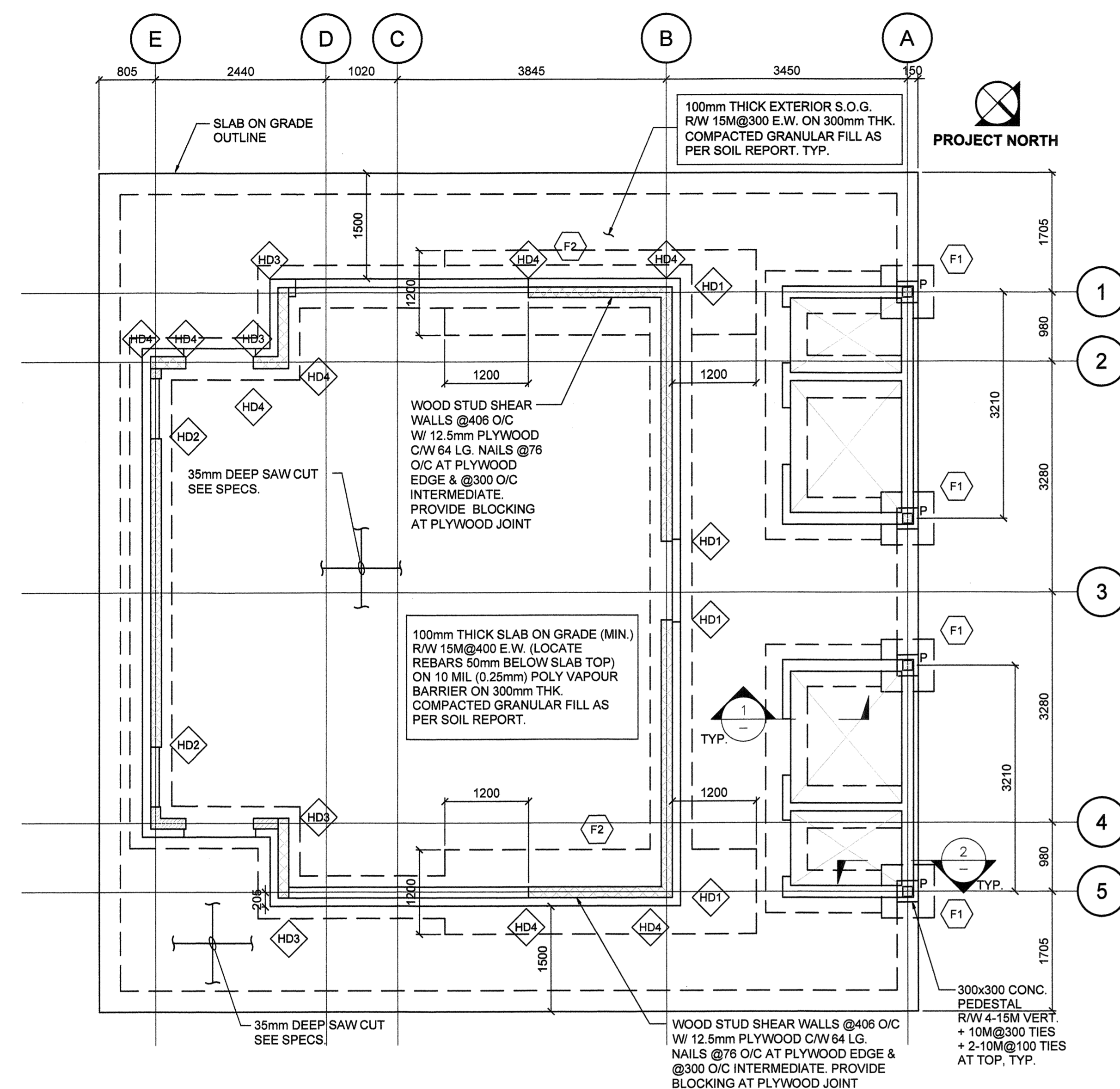
Project title/Titre du projet
**PACIFIC RIM HIGHWAY
 PACIFIC RIM NATIONAL PARK
 WASHROOM BUILDING
 REPLACEMENT**

Consultant Signature Only
 Designed by/Concept par
L.L.
 Drawn by/Dessiné par
MC
 PWGSC Project Manager/Administrateur de Projets TPSSC
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architecture et de génie, TPSSC
PREETIPAL PAUL
 Drawing title/Titre du dessin

**LONG BEACH NORTH
 FOUNDATION & GROUND FLOOR PLAN
 AND SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./Loi Révision no.
R.078666.001	S301 OF 14	2

12334



LEGEND:

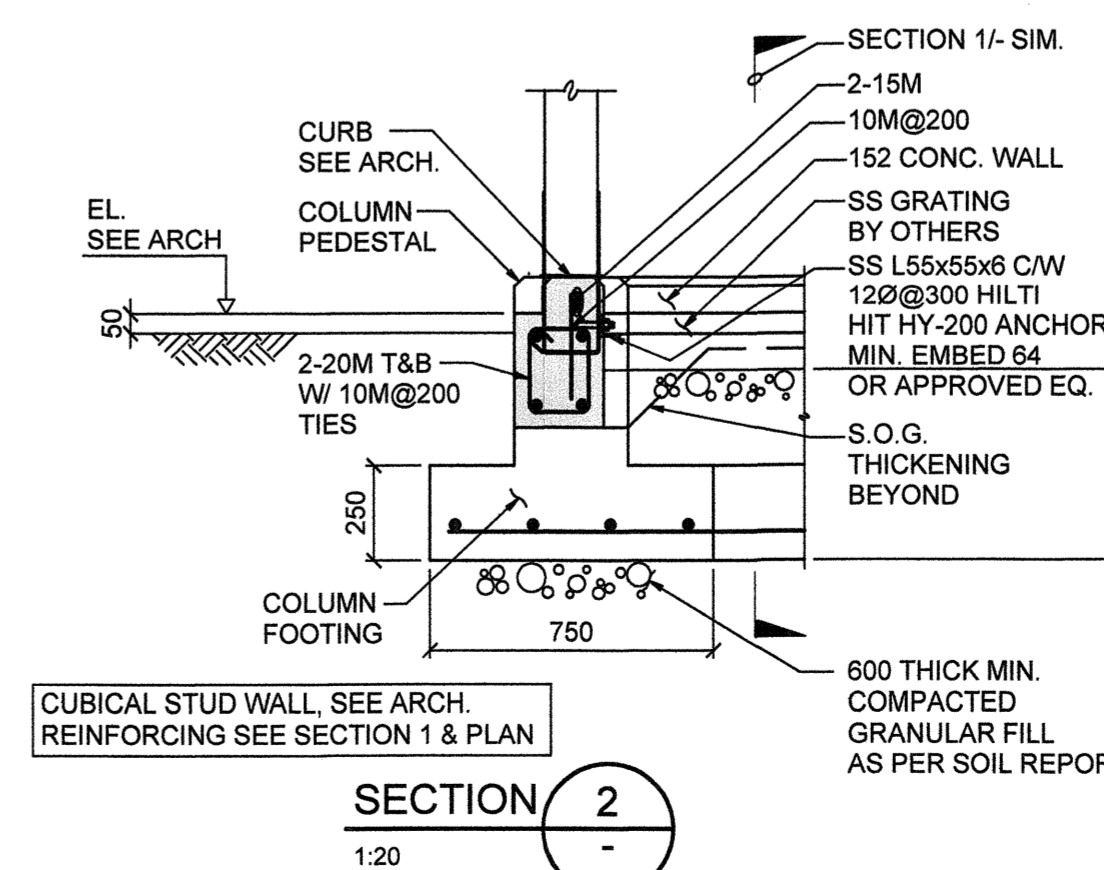
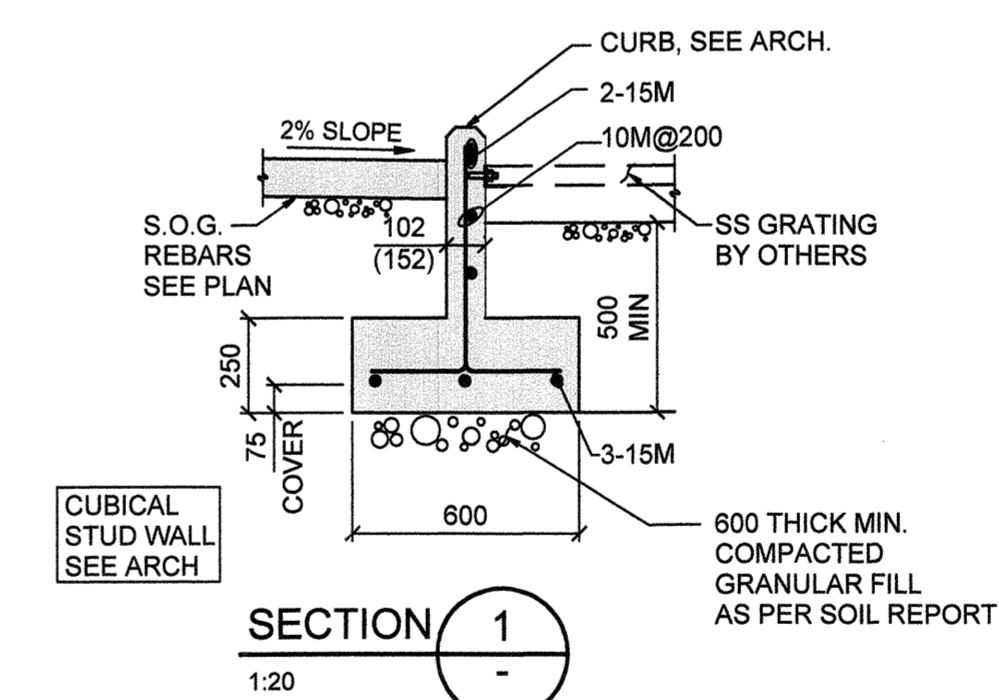
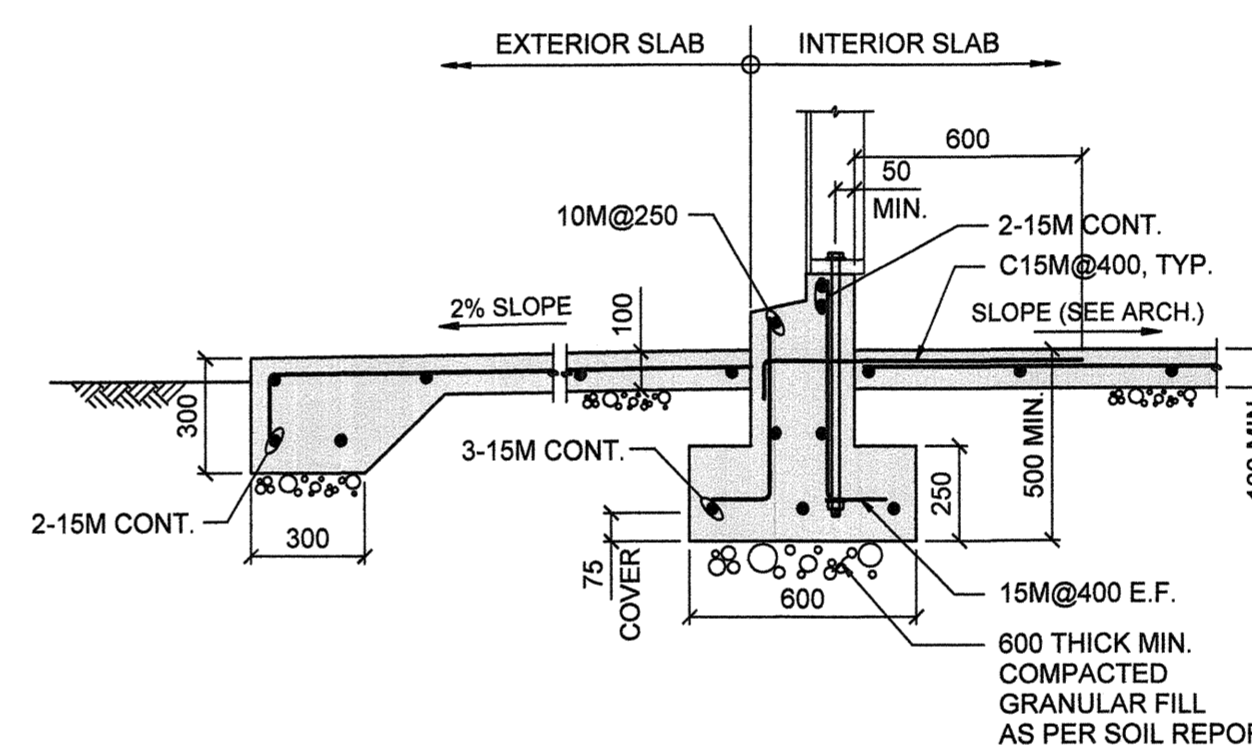
- DENOTES WOOD STUD SHEAR WALLS @ 406 O/C W/ 12.5mm PLYWOOD C/W 64 LG. NAILS @100 O/C AT PLYWOOD EDGE & @300 O/C INTERMEDIATE. PROVIDE BLOCKING AT PLYWOOD JOINT, TYP. U.N.O.
- DENOTES 140 WOOD STUD LOAD BEARING WALL
- DENOTES HOLD DOWN, SEE SCHEDULE
- DENOTES 140x140 D. FIR POST C/W SIMPSON COLUMN BASE CB86 OR APPROVED EQUAL
- DENOTES 750x750x250 DP CONCRETE FOOTING R/W 4-15M BOTT. E.W.
- DENOTES 250 DP CONCRETE FOOTING R/W 8-15M BOTT. LONG., 15M@400 T&B TRANS.

NOTES:

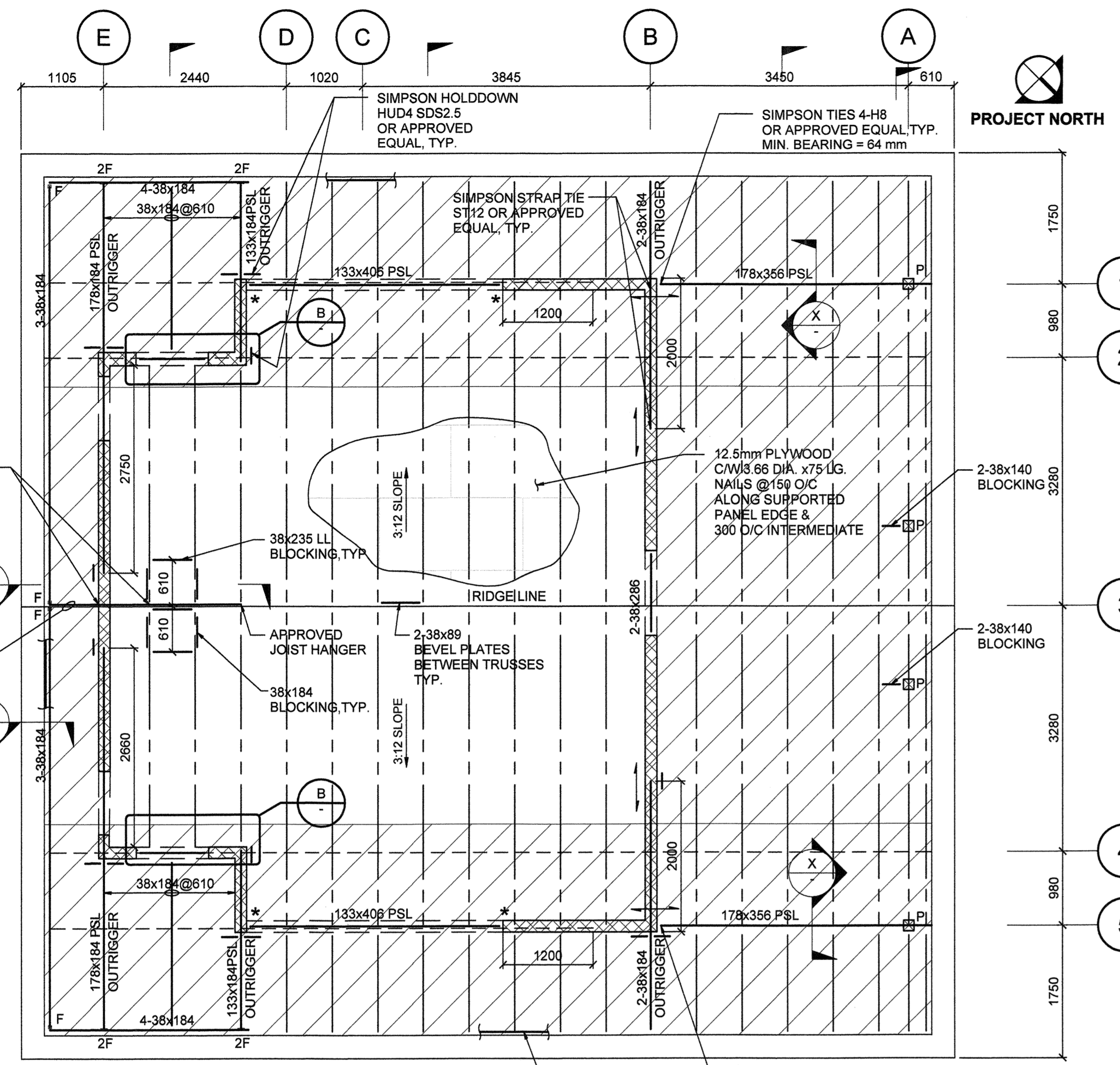
1. U.N.O., ALL STUD WALLS TO BE 38x140@400 O/C.
2. U.N.O., PROVIDE 2-38x140 AT WALL ENDS AND ADJACENT TO WALL OPENINGS.

HOLD DOWN SCHEDULE

- SIMPSON STRONG TIE HOLD DOWN HUD2-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD4-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD5-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD8-SDS2.5 OR APPROVED EQUAL

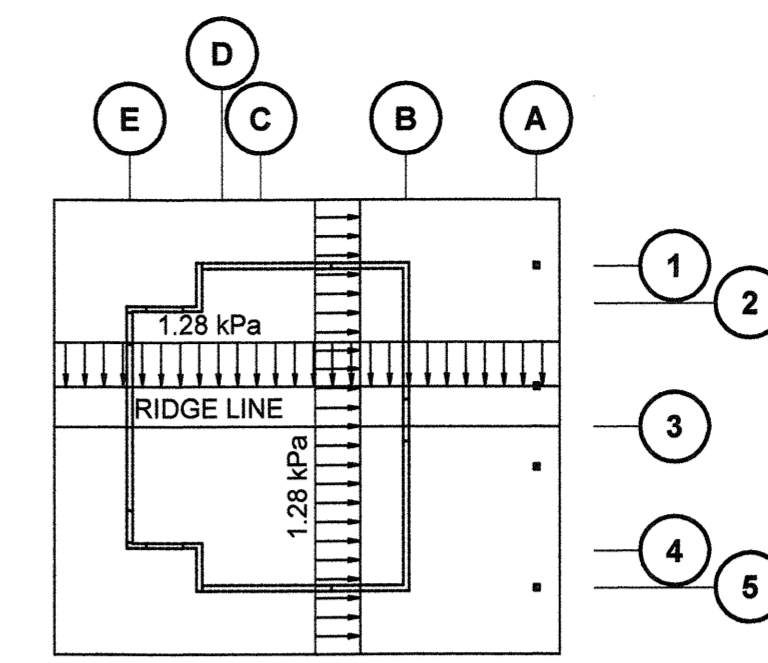


PROFESSIONAL ENGINEER
 L. K. S. LAM
 MAR 03, 2017



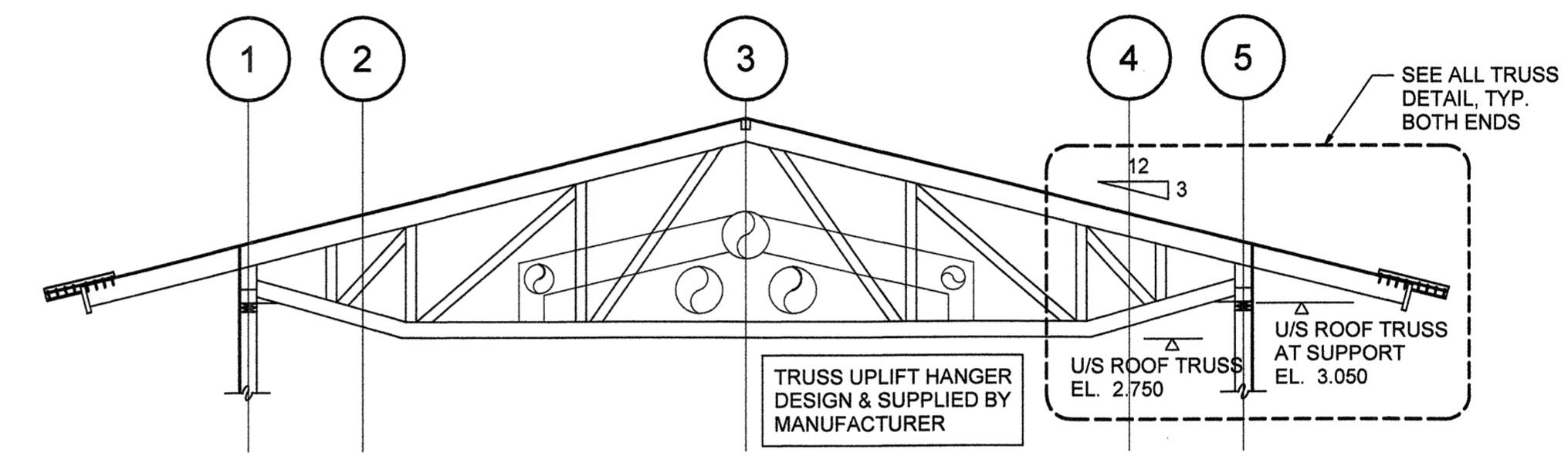
- LEGEND:**
- u F DENOTES SIMPSON JOIST HANGER HUC48, TYP. OR APPROVED EQUAL
 - u 2F DENOTES 1175x175x6.4x146 LG C/W 8-16@ 307 BOLTS, TYP. AS PER DETAIL C/
 - u 2A DENOTES SIMPSON FRAMING ANCHOR A35 EACH SIDE
 - DENOTES ENGINEERED WOOD TRUSS @610 O/C
 - DENOTES ROOF JOISTS 38x184 @610 O/C TYP., U.N.O.
 - DENOTES SIMPSON STRAP TIE OR APPROVED EQUAL (35 KN MIN.)
 - DENOTES SIMPSON COIL STRAP CMST14 OR APPROVED EQUAL WITH 2-38x140 BLOCKING WHERE REQUIRED
 - PSL DENOTES PARALLEL STRANDED LUMBER BEAM
 - DENOTES NAILING 3.66@x76 LG. @ 75 O/C ALONG SUPPORTED PANEL EDGE & @300 O/C INTERMEDIATE (BLOCKING TO BE PROVIDED AT JOINT)
 - P DENOTES 140x140 D. FIR POST
 - * DENOTES SIMPSON STRAP TIES 3-ST22 (VERT.) OR APPROVED EQUAL

- NOTES:**
1. BOLT DBL PSL BEAM 178x184 W/ 2-12@ A307 BOLTS @76 VERT. W/ MIN. 54 EDGE DISTANCE, TYP.
 2. ALL TRUSS TOP CHORD TO BE 38x184 MIN. U.N.O.
 3. DESIGN TRUSS WITH NET UPLIFT = 1.65 kPa

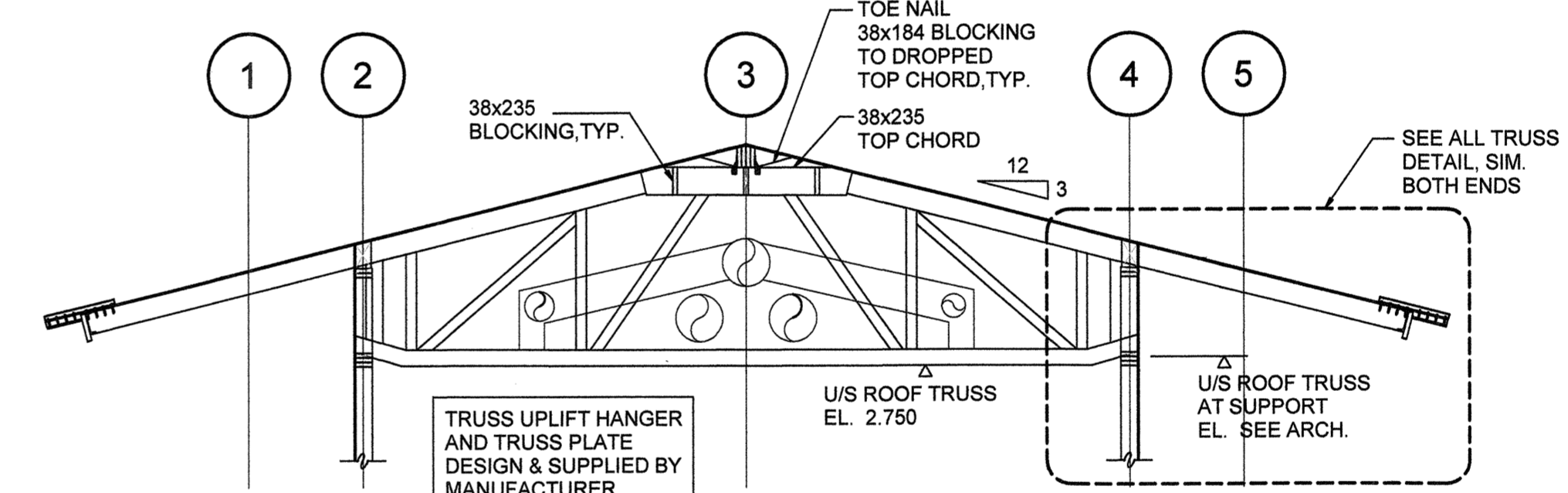


1. ROOF SNOW LOAD = 1.28 kPa U.N.O. Is=1.0 ADJUST FACTOR AS REQUIRED

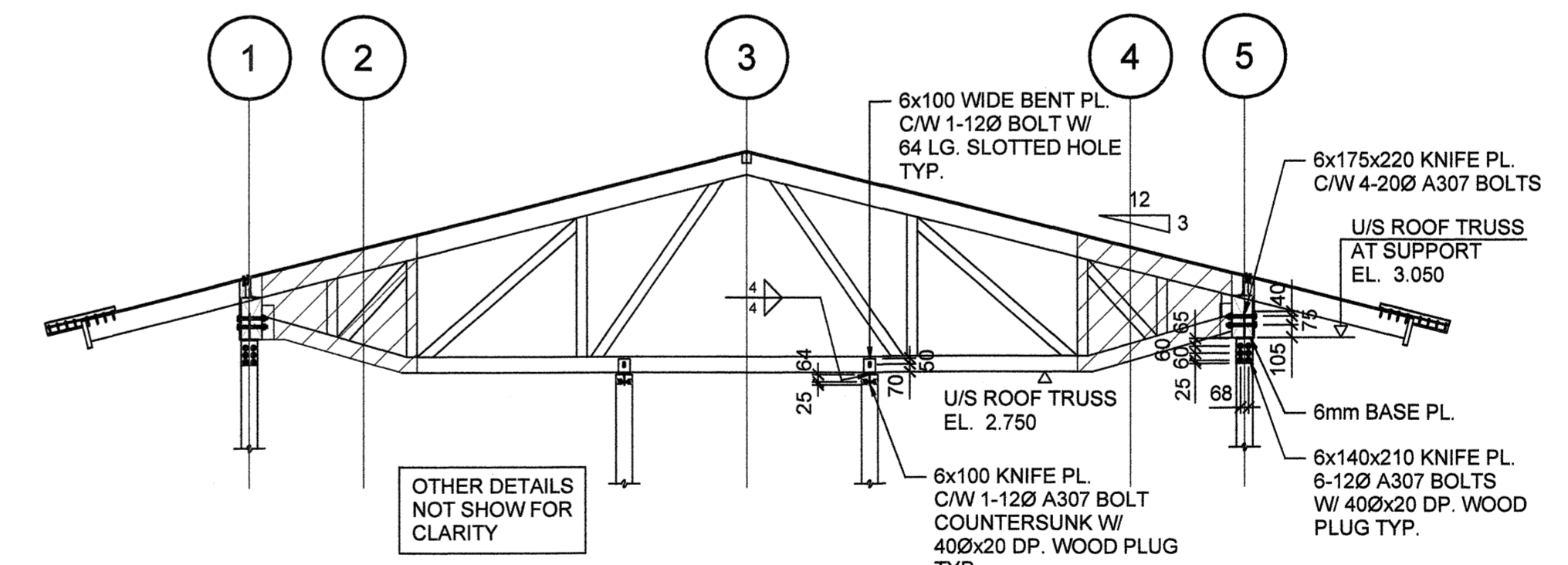
ROOF SNOW LOAD DIAGRAM 1:200



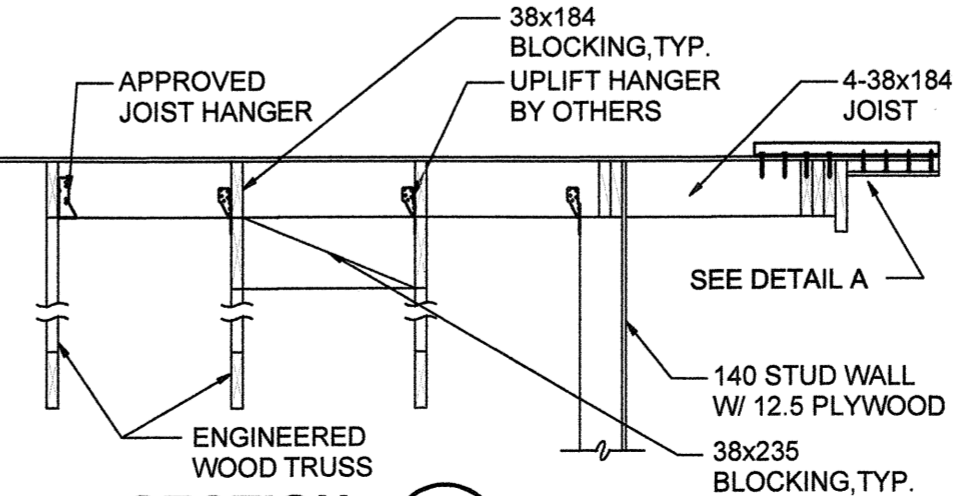
TYPICAL TRUSS SHOWING MECH. DUCTS SECTION 1:50



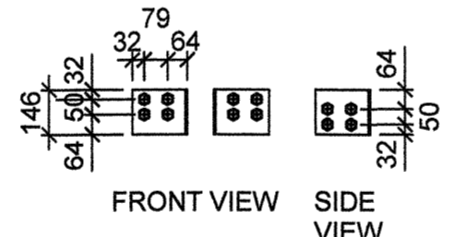
TRUSS DETAIL BETWEEN D-E 1:50



SECTION 3 1:50



SECTION 4 1:25



DETAIL C 1:25

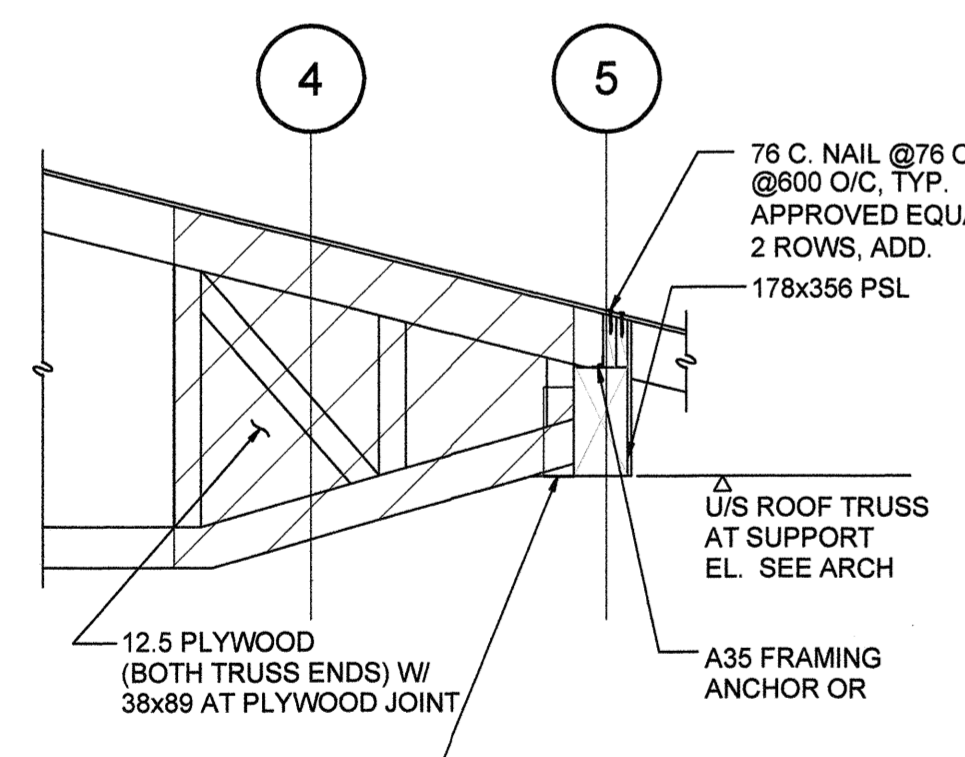
ROOF PLAN 1:50

AT TRUSS 1:50

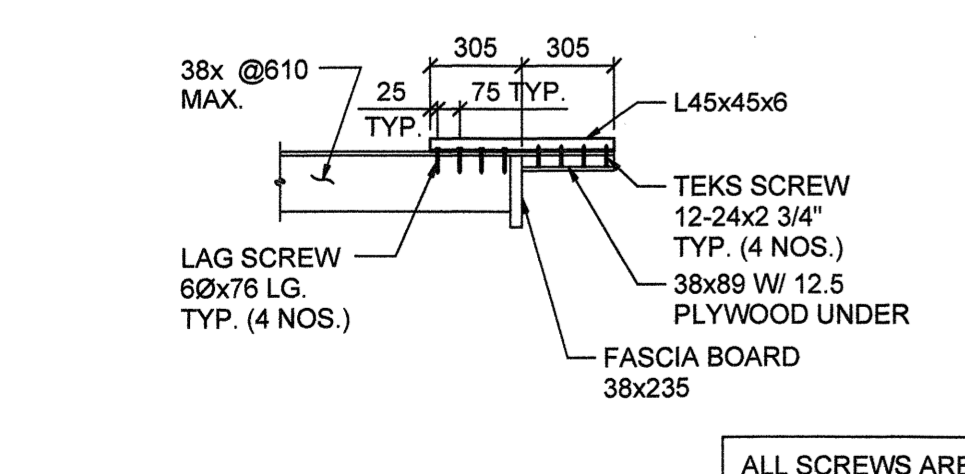
DETAIL A 1:25

DETAIL B 1:25

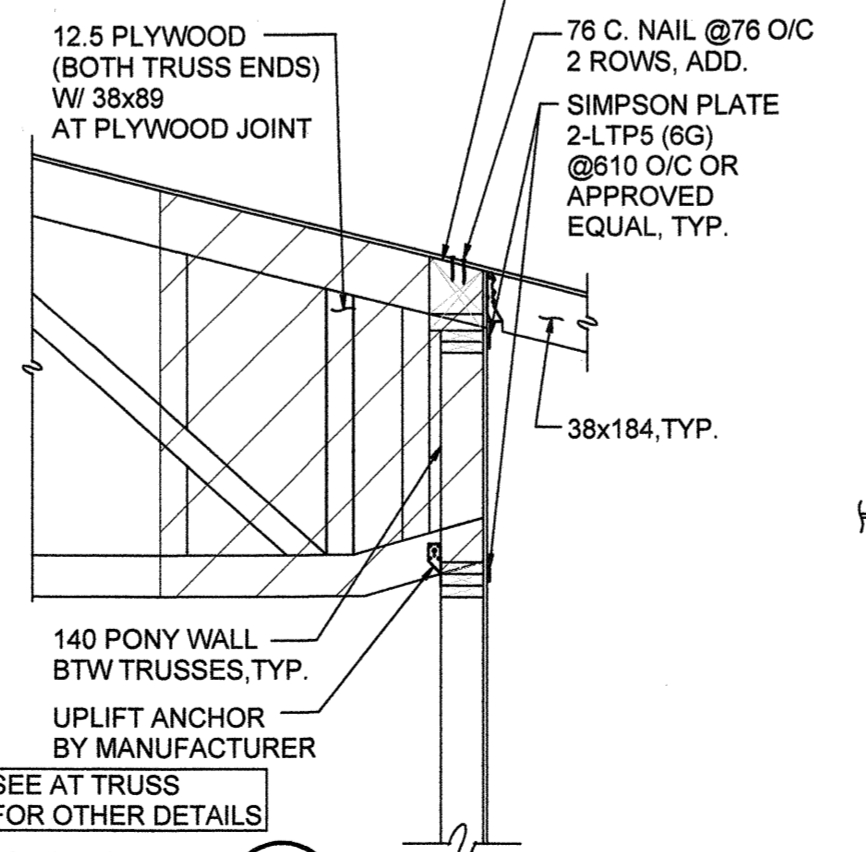
SECTION X 1:25



SECTION X 1:25



DETAIL A 1:25



DETAIL B 1:25

Revision/Édition	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 80% CD REVIEW	2016/03/10
0	ISSUED FOR 60% CD REVIEW	2016/02/19

Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDING
REPLACEMENT**

Consultant Signature Only
Designed by/Concept par
LL
Drawn by/Dessiné par
MC
PWGSC Project Manager/Administrateur de Projets TP5GC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TP5GC
PREETIPAL PAUL

Drawing title/Titre du dessin
**LONG BEACH NORTH
ROOF PLAN AND SECTIONS**

Project No./No. du projet R.078666.001	Sheet/Feuille S302 OF 14	Revision no./ La Révision no. 2
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12334

PROFESSIONAL
L. K. S. LAM
ARCHITECT
MAR 03, 2017



5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 98% CD REVIEW	2016/03/10
0	ISSUED FOR 50% CD REVIEW	2016/02/19
Revision/	Description/Description	Date/Date

Client/client
PARKS CANADA

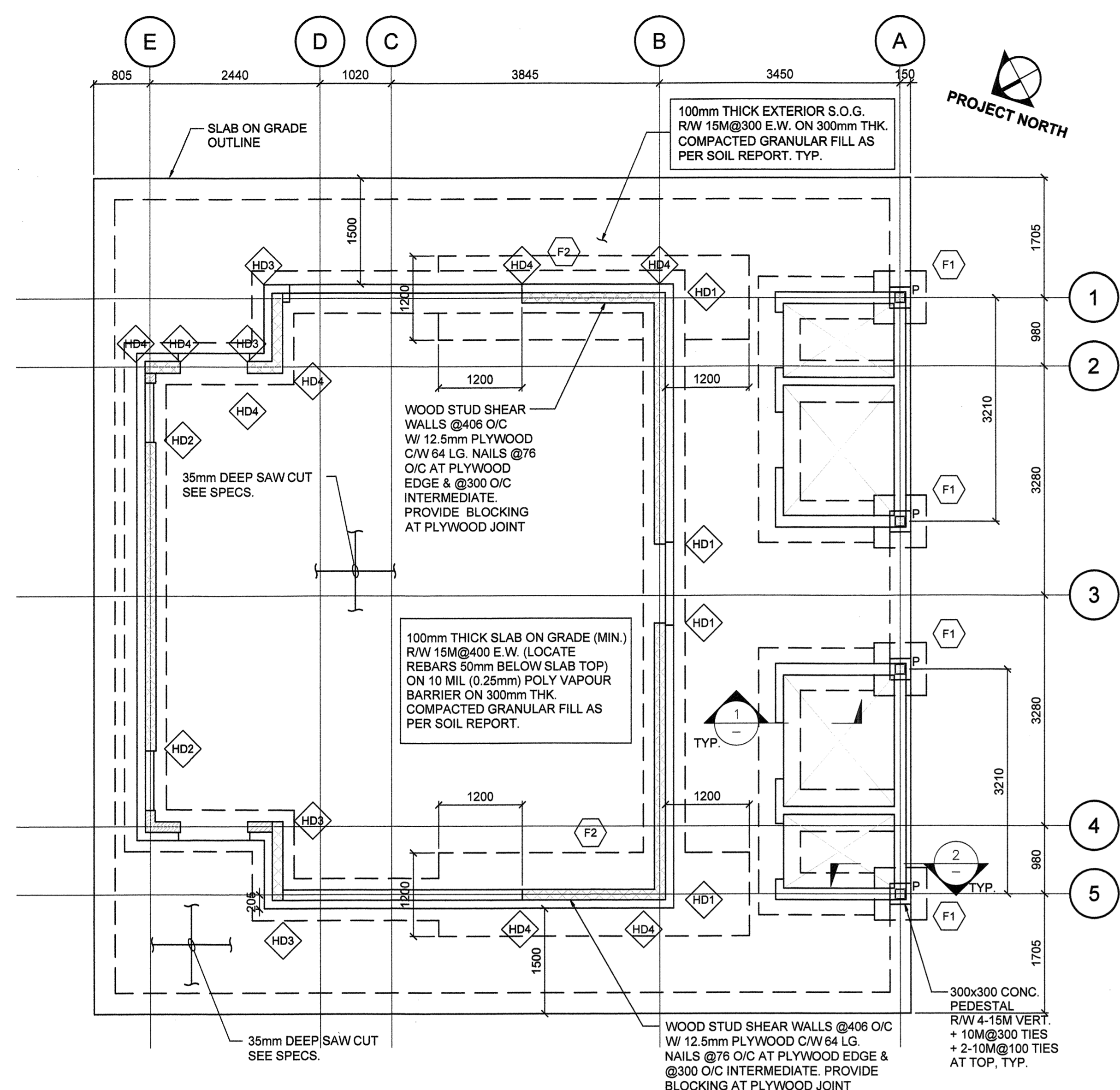
Project title/Titre du projet
**PACIFIC RIM HIGHWAY
 PACIFIC RIM NATIONAL PARK
 WASHROOM BUILDING
 REPLACEMENT**

Consultant Signature Only
 Designed by/Concept par
L.L.
 Drawn by/Dessiné par
MC
 PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gérant régional, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin
**LONG BEACH SOUTH
 FOUNDATION & GROUND FLOOR PLAN
 AND SECTIONS**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.078666.001	S401 OF 14	2

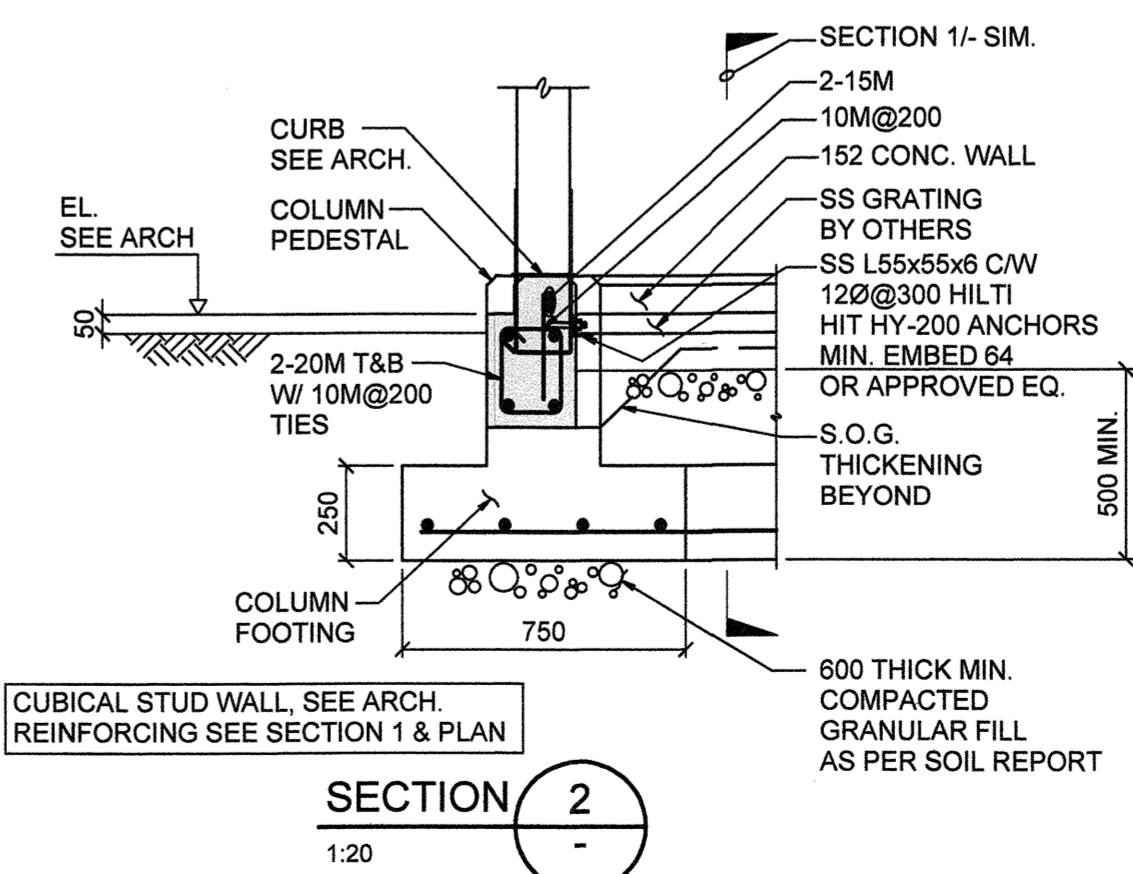
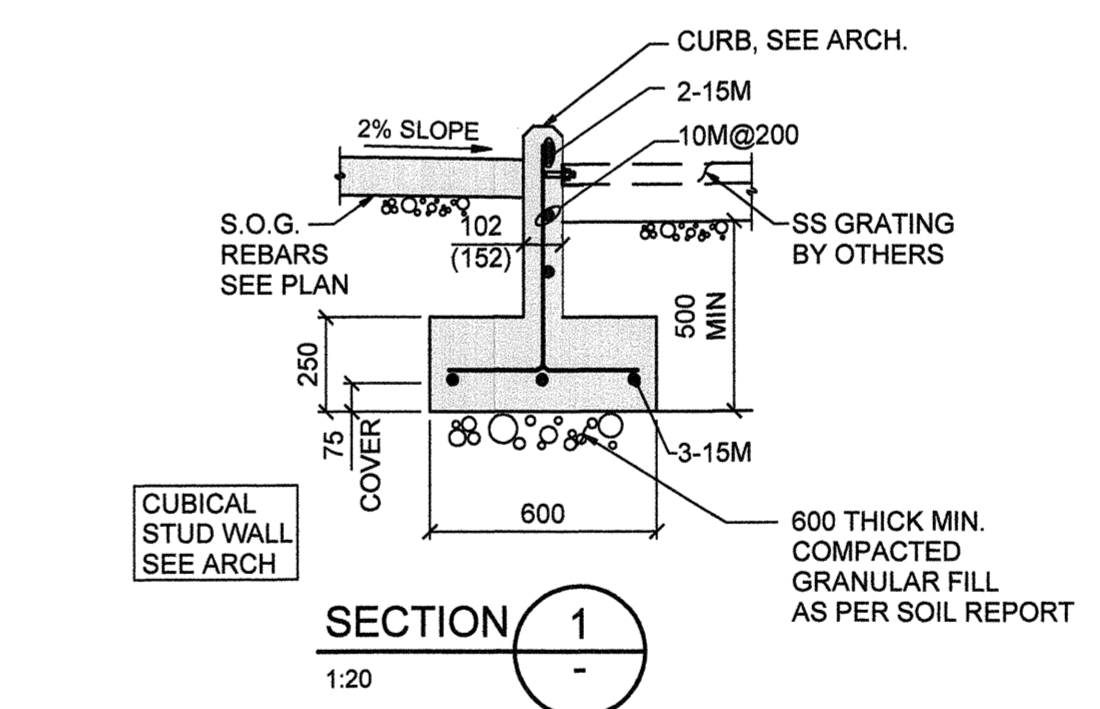
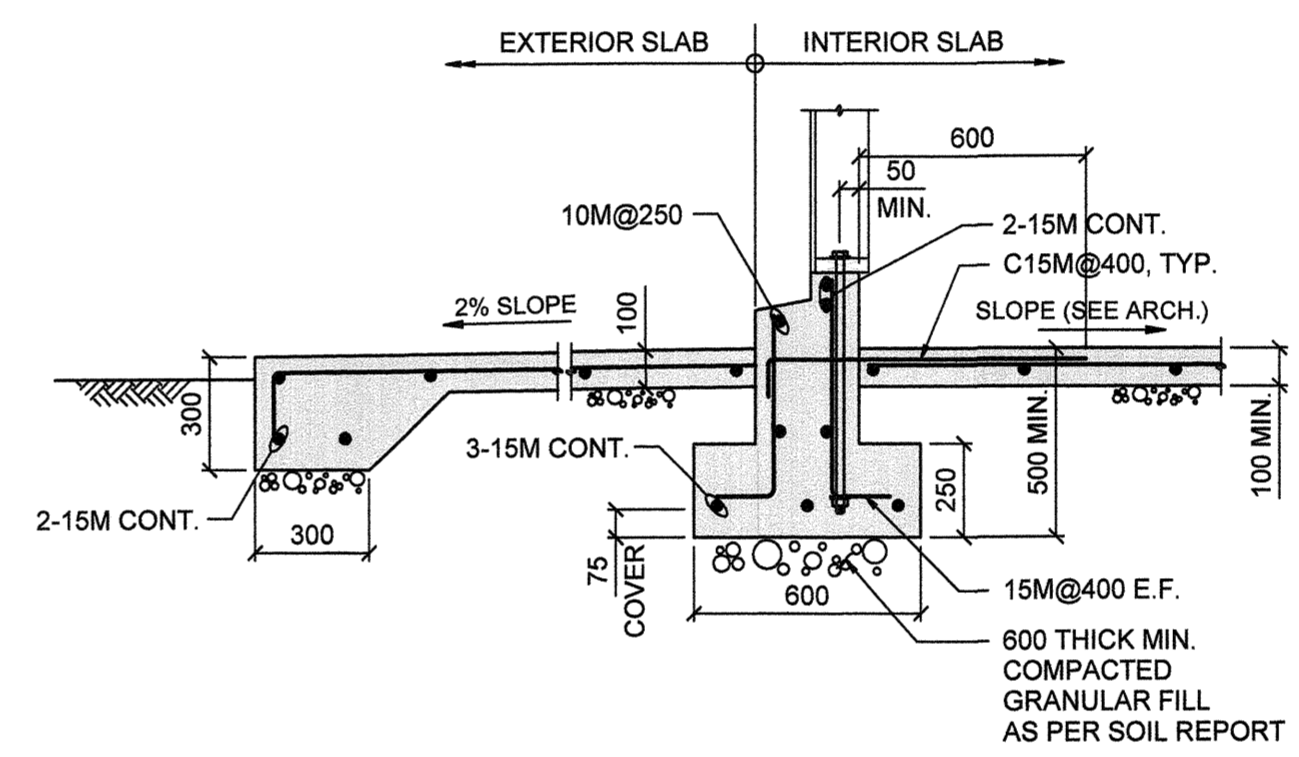
12334



- LEGEND:**
- DENOTES WOOD STUD SHEAR WALLS @ 406 O/C W/ 12.5mm PLYWOOD C/W 64 LG. NAILS @100 O/C AT PLYWOOD EDGE & @300 O/C INTERMEDIATE. PROVIDE BLOCKING AT PLYWOOD JOINT, TYP. U.N.O.
 - DENOTES 140 WOOD STUD LOAD BEARING WALL.
 - DENOTES HOLD DOWN, SEE SCHEDULE
 - DENOTES 140x140 D. FIR POST C/W SIMPSON COLUMN BASE CB66 OR APPROVED EQUAL
 - DENOTES 750x750x250 DP CONCRETE FOOTING R/W 4-15M BOTT. E.W.
 - DENOTES 250 DP CONCRETE FOOTING R/W 8-15M BOTT. LONG., 15M@400 T&B TRANS.

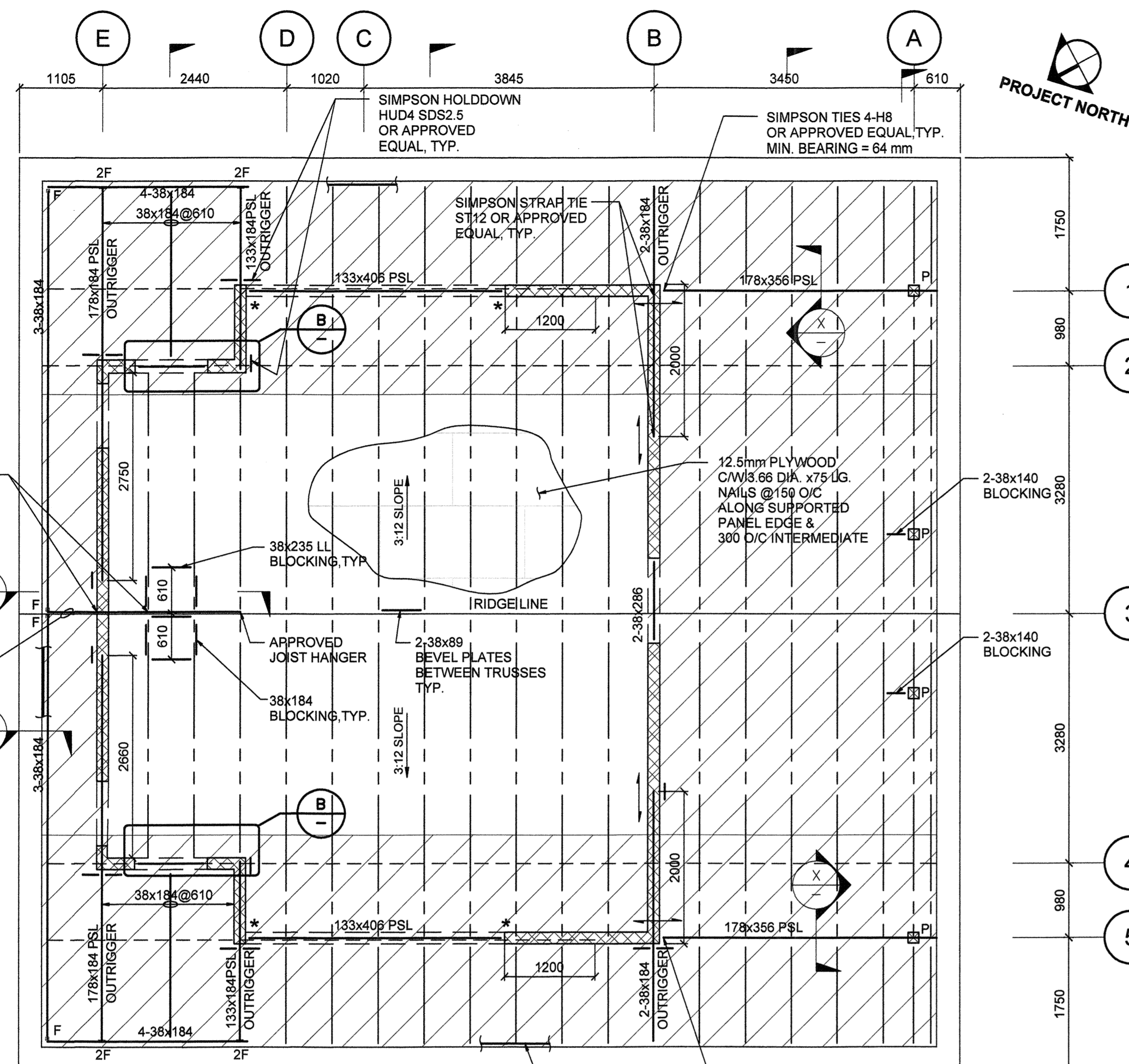
- NOTES:**
- U.N.O., ALL STUD WALLS TO BE 38x140@400 O/C.
 - U.N.O., PROVIDE 2-38x140 AT WALL ENDS AND ADJACENT TO WALL OPENINGS.

- HOLD DOWN SCHEDULE**
- SIMPSON STRONG TIE HOLD DOWN HUD2-SDS2.5 OR APPROVED EQUAL
 - SIMPSON STRONG TIE HOLD DOWN HUD4-SDS2.5 OR APPROVED EQUAL
 - SIMPSON STRONG TIE HOLD DOWN HUD5-SDS2.5 OR APPROVED EQUAL
 - SIMPSON STRONG TIE HOLD DOWN HUD8-SDS2.5 OR APPROVED EQUAL



PROFESSIONAL ENGINEER
 L. K. S. LAM
 MAR 03, 2017

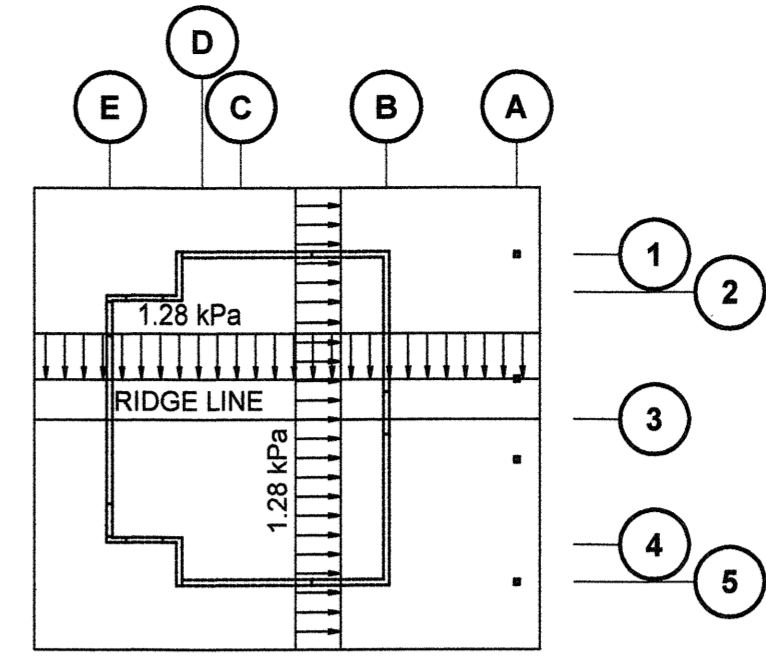




ROOF PLAN
1:50

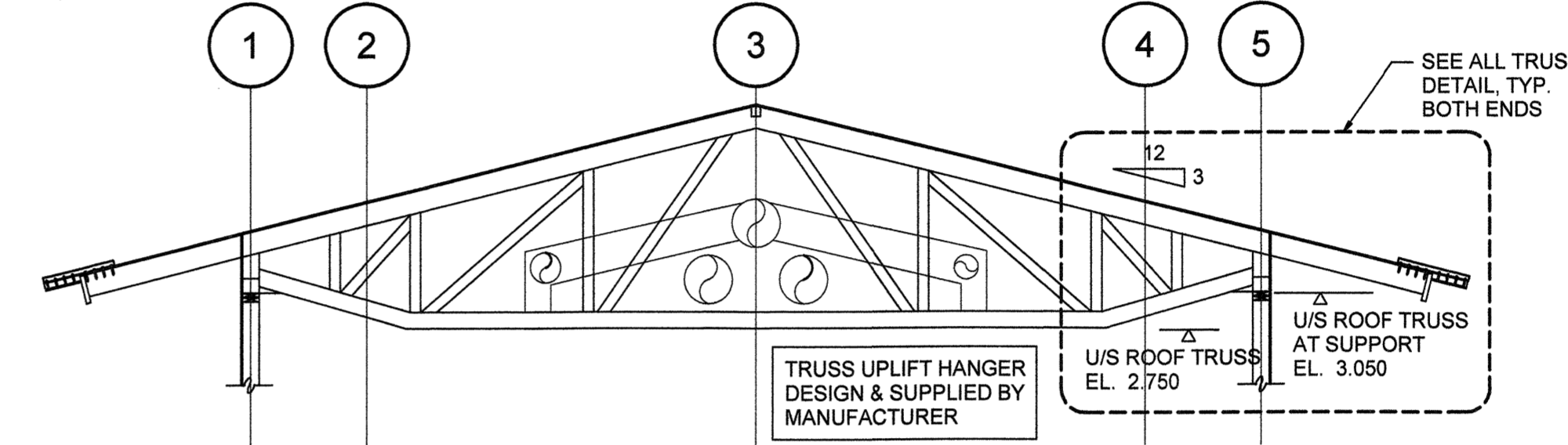
- LEGEND:**
- F DENOTES SIMPSON JOIST HANGER HUC48, TYP. OR APPROVED EQUAL
 - - - 2F DENOTES 1.175x175x6 4x146 LG CW 8-160 A307 BOLTS, TYP. AS PER DETAIL C/-
 - - - 2A DENOTES SIMPSON FRAMING ANCHOR A35 EACH SIDE
 - - - DENOTES ENGINEERED WOOD TRUSS @610 O/C
 - - - DENOTES ROOF JOISTS 38x184 @610 O/C TYP., U.N.O.
 - - - DENOTES SIMPSON STRAP TIE OR APPROVED EQUAL (35 KN MIN.)
 - - - DENOTES SIMPSON COIL STRAP CMST14 OR APPROVED EQUAL WITH 2-38x140 BLOCKING WHERE REQUIRED
 - PSL DENOTES PARALLEL STRANDED LUMBER BEAM
 - /// DENOTES NAILING 3 66x76 LG @ 75 O/C ALONG SUPPORTED PANEL EDGE & @ 300 O/C INTERMEDIATE (BLOCKING TO BE PROVIDED AT JOINT)
 - P DENOTES 140x140 D. FIR POST
 - *

- NOTES:**
1. BOLT DBL PSL BEAM 178x184 W/ 2-120 A307 BOLTS @76 VERT. W/ MIN. 54 EDGE DISTANCE, TYP.
 2. ALL TRUSS TOP CHORD TO BE 38x184 MIN. U.N.O.
 3. DESIGN TRUSS WITH NET UPLIFT = 1.65 kPa

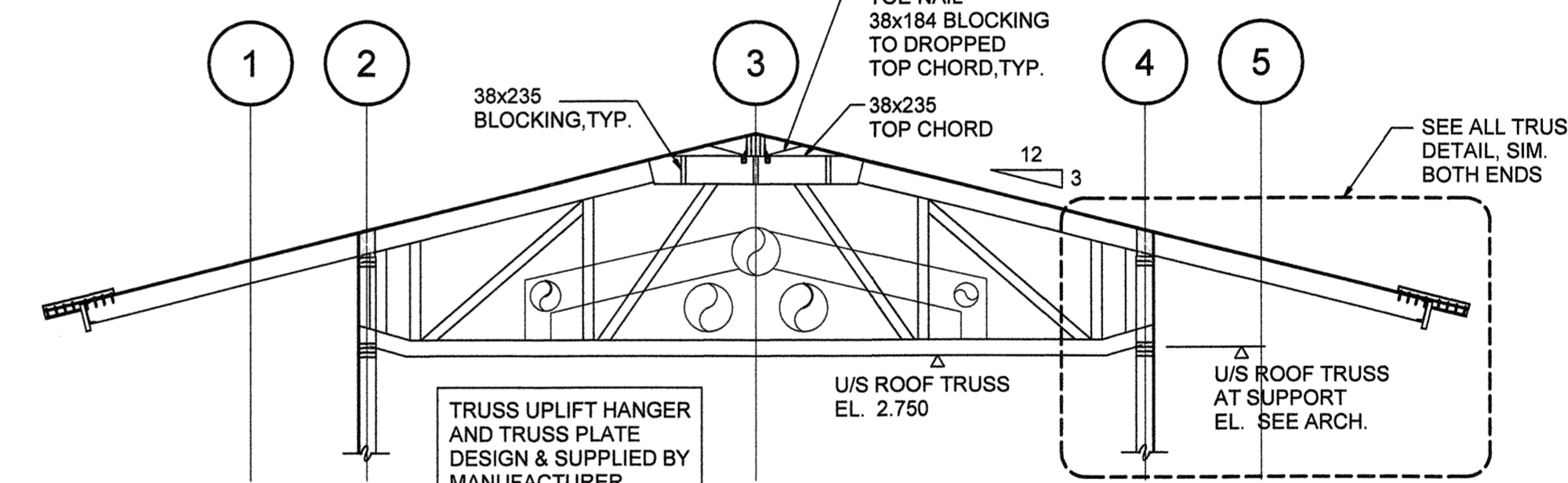


1. ROOF SNOW LOAD = 1.28 kPa U.N.O.
Is=1.0
ADJUST FACTOR AS REQUIRED

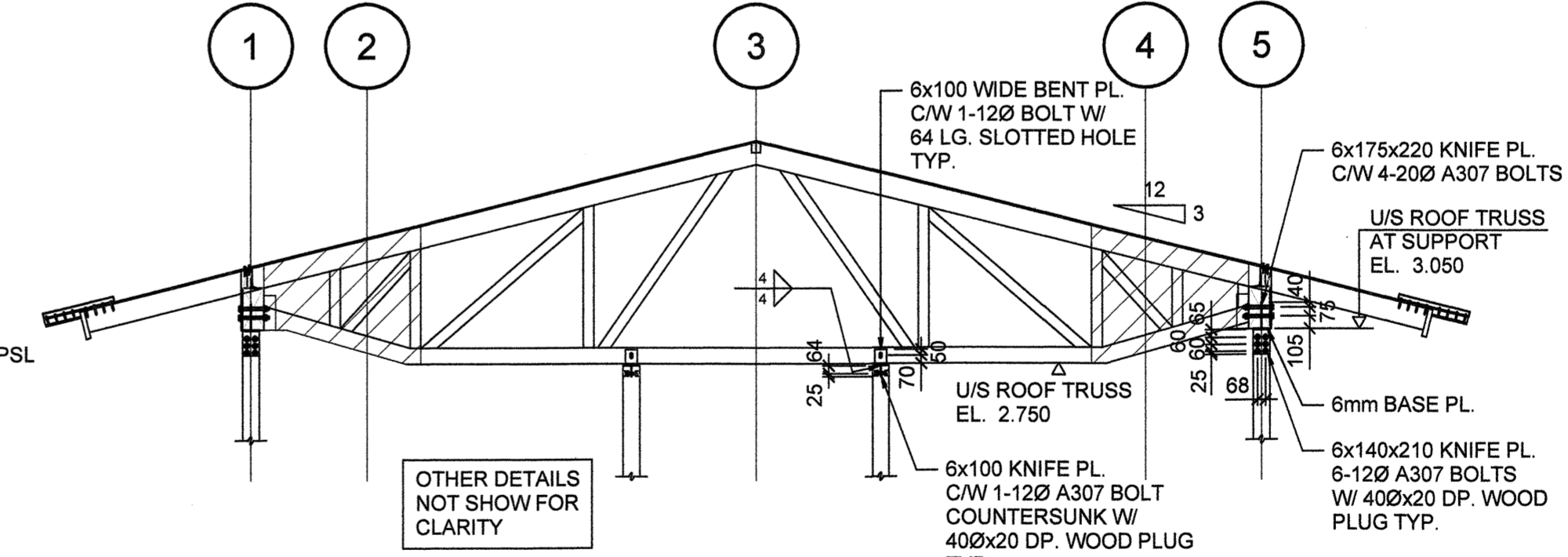
ROOF SNOW LOAD DIAGRAM
1:200



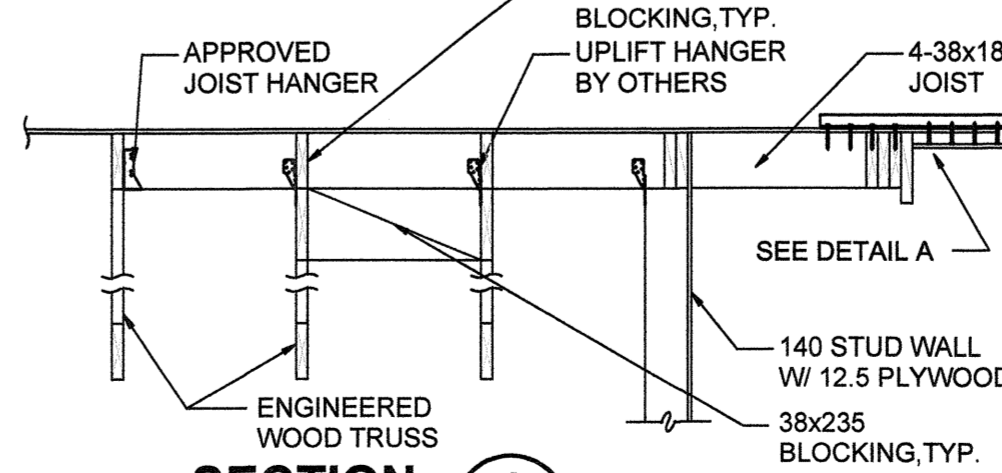
TYPICAL TRUSS SHOWING MECH. DUCTS SECTION
1:50



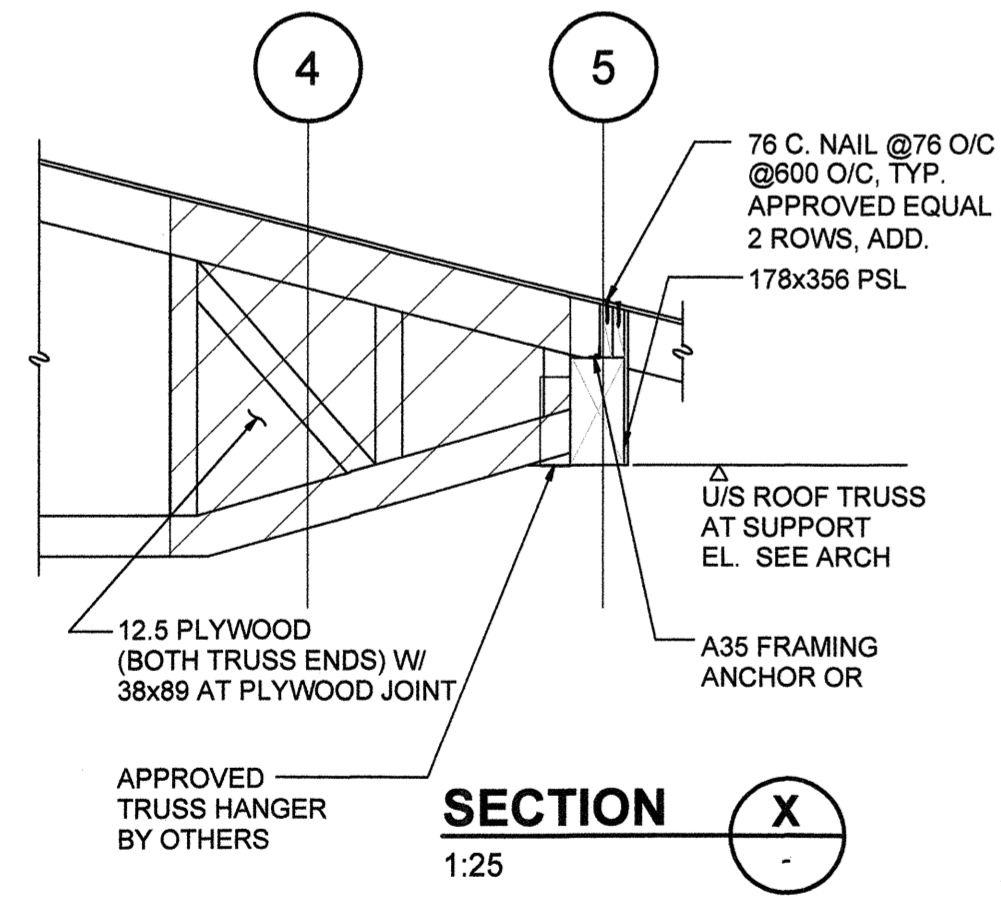
TRUSS DETAIL BETWEEN D-E
1:50



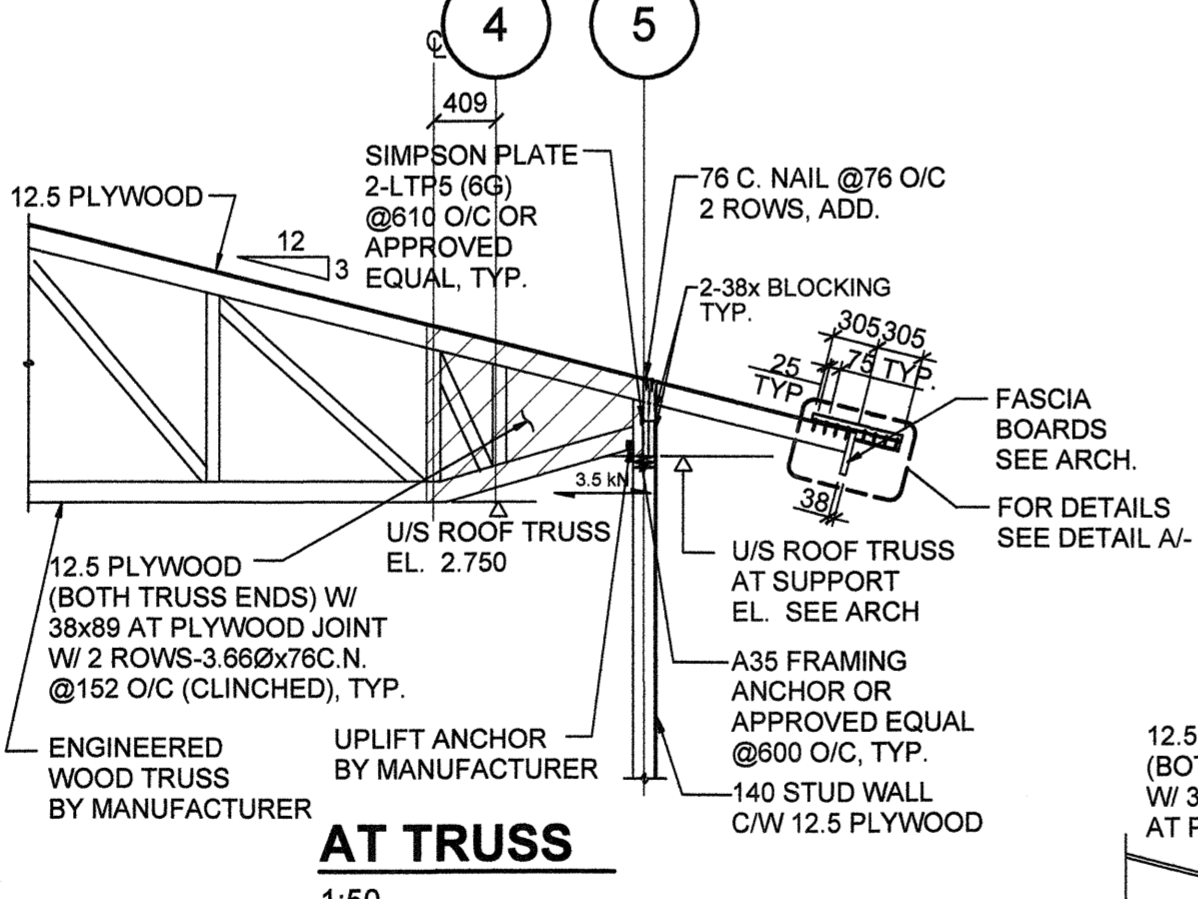
SECTION 3
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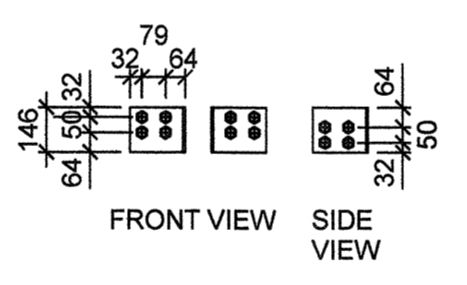
SECTION 4
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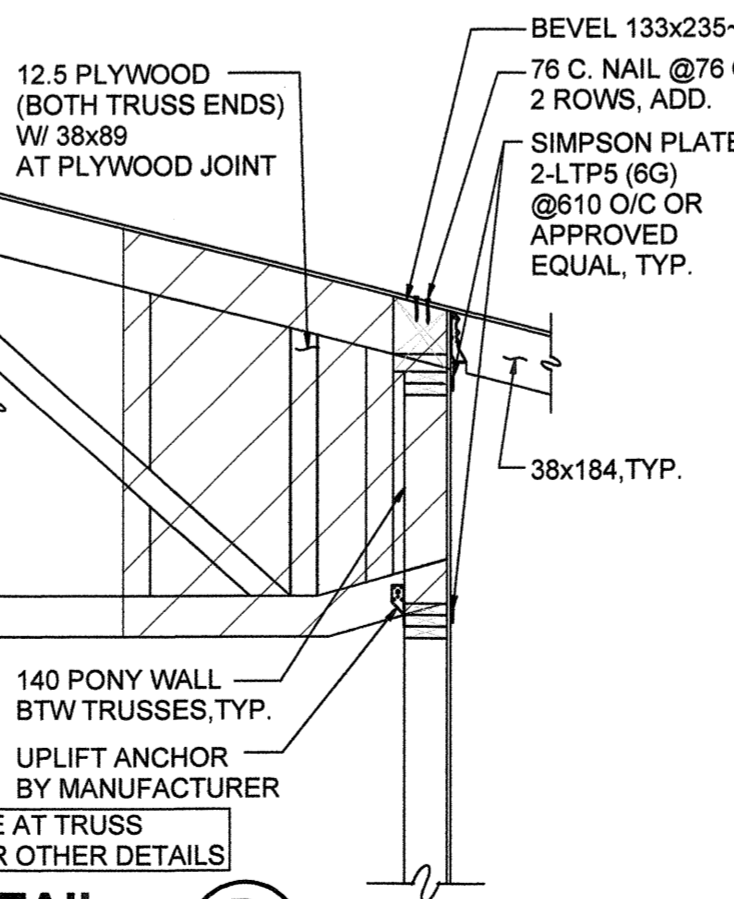
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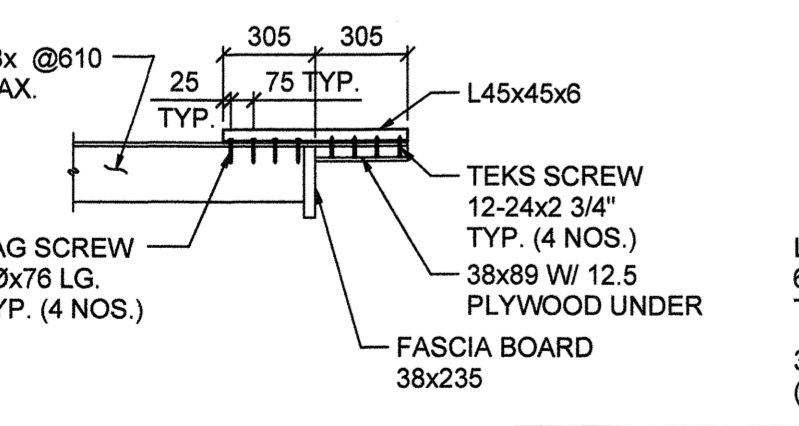
AT TRUSS
1:50



DETAIL C
1:25



DETAIL B
1:25



DETAIL A
1:25

Revision/Revisão	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 90% CD REVIEW	2016/03/10
0	ISSUED FOR 30% CD REVIEW	2016/02/19

Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDING
REPLACEMENT**

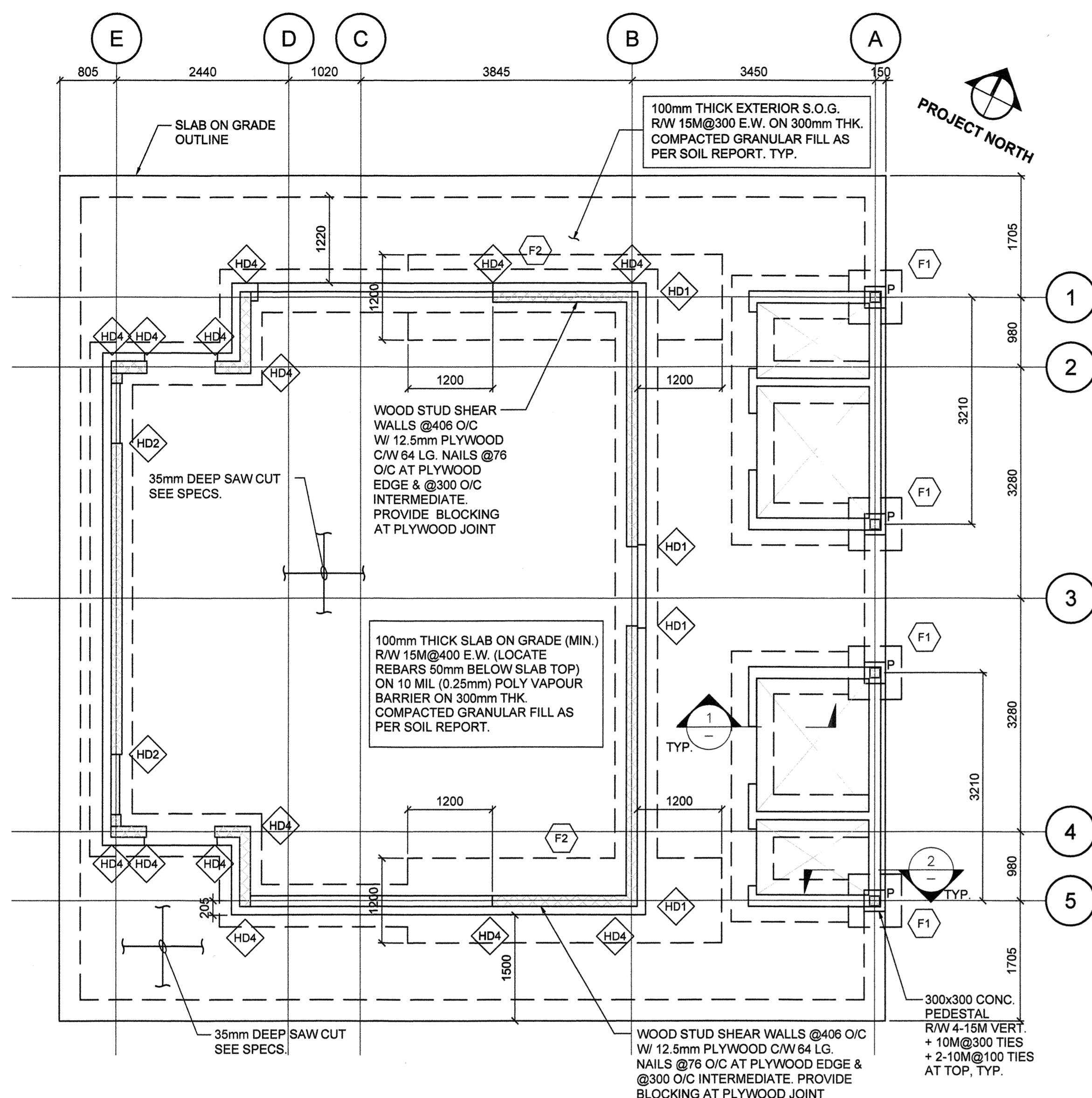
Consultant Signature Only
Designed by/Concept par
LL
Drawn by/Designé par
MC
PWGSC Project Manager/Administrateur de Projets TPSSC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services
Géraliste régional, services d'architecture et de génie, TPSSC
PRETIPAL PAUL

Drawing title/Titre du dessin
**LONG BEACH SOUTH
ROOF PLAN AND SECTIONS**

Project No./No. du projet R.07866.001	Sheet/Feuille S402 OF 14	Revision no./Révision no. 2
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12334





LEGEND:

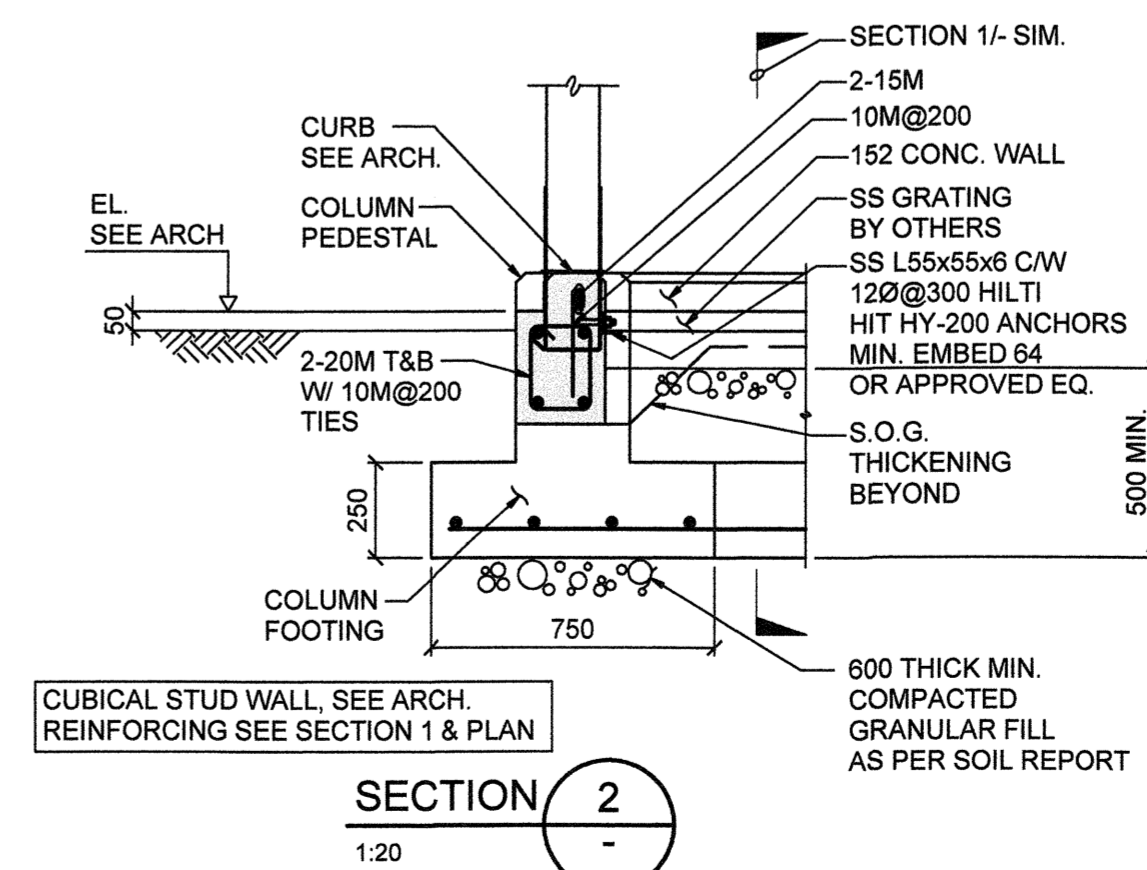
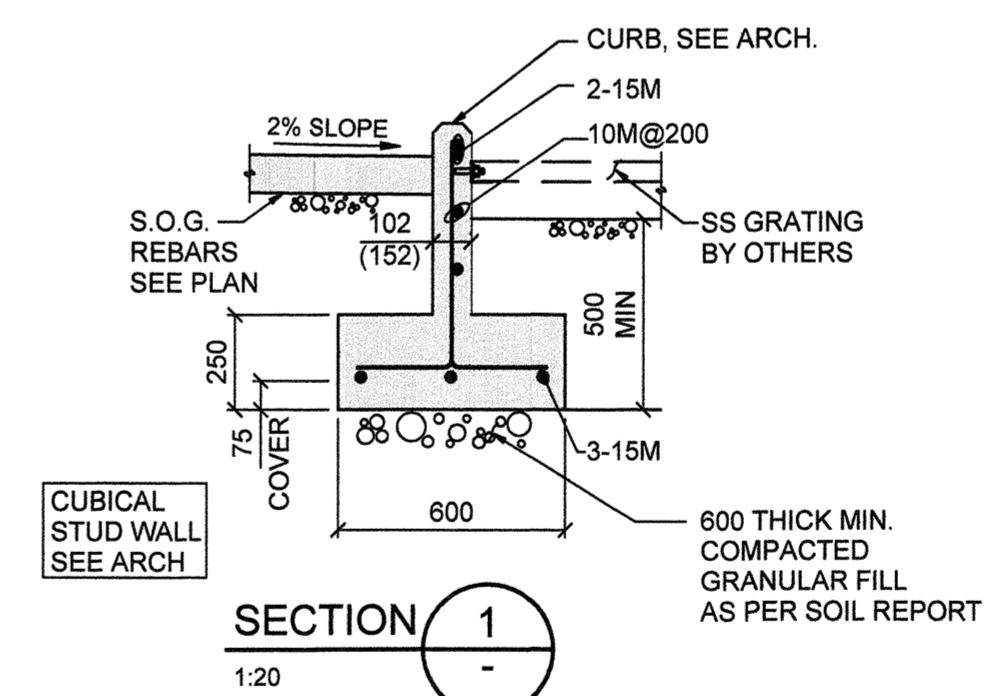
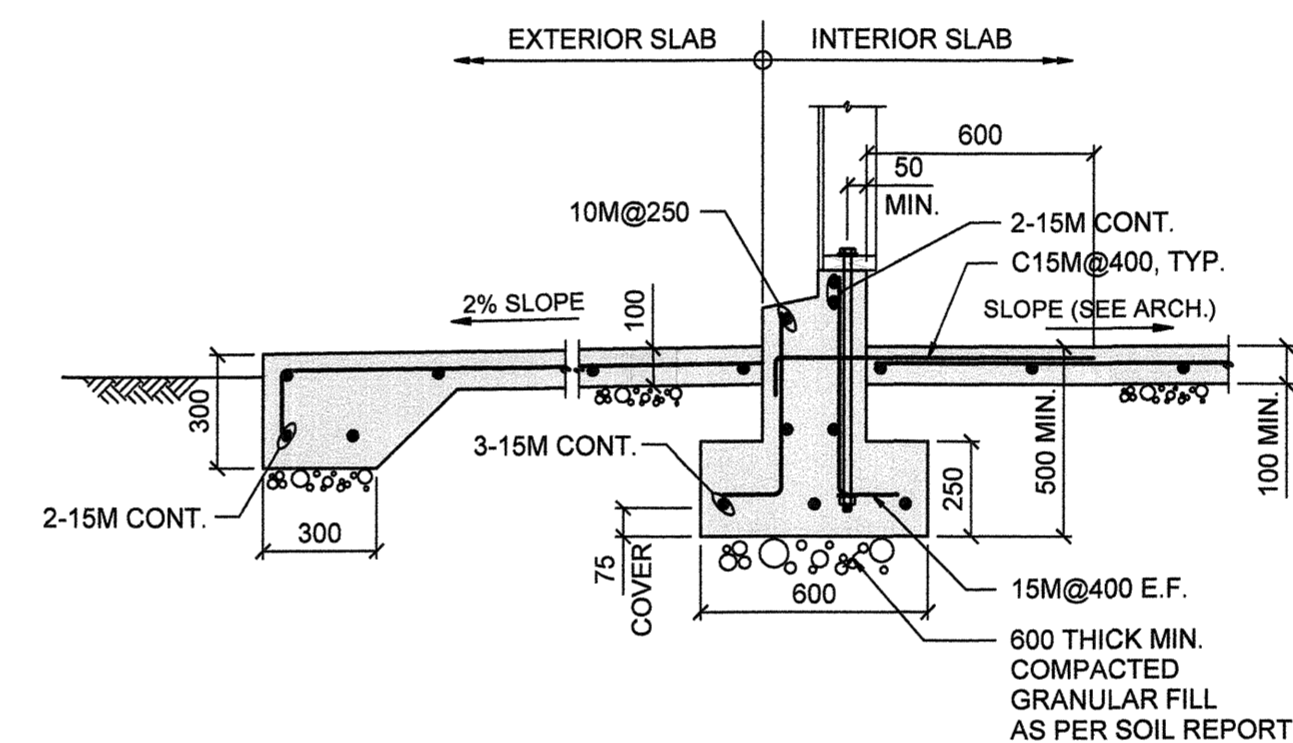
- DENOTES WOOD STUD SHEAR WALLS @ 406 O/C W/ 12.5mm PLYWOOD C/W 64 LG. NAILS @100 O/C AT PLYWOOD EDGE & @300 O/C INTERMEDIATE. PROVIDE BLOCKING AT PLYWOOD JOINT, TYP. U.N.O.
- DENOTES 140 WOOD STUD LOAD BEARING WALL.
- DENOTES HOLD DOWN, SEE SCHEDULE.
- DENOTES 140x140 D. FIR POST C/W SIMPSON COLUMN BASE CB66 OR APPROVED EQUAL.
- DENOTES 750x750x250 DP CONCRETE FOOTING R/W 4-15M BOTT. E.W.
- DENOTES 250 DP CONCRETE FOOTING R/W 8-15M BOTT. LONG., 15M@400 T&B TRANS.

NOTES:

1. U.N.O., ALL STUD WALLS TO BE 38x140@400 O/C.
2. U.N.O., PROVIDE 2-38x140 AT WALL ENDS AND ADJACENT TO WALL OPENINGS.

HOLD DOWN SCHEDULE

- SIMPSON STRONG TIE HOLD DOWN HUD2-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD4-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD5-SDS2.5 OR APPROVED EQUAL
- SIMPSON STRONG TIE HOLD DOWN HUD8-SDS2.5 OR APPROVED EQUAL



5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 90% CD REVIEW	2016/03/10
0	ISSUED FOR 50% CD REVIEW	2016/02/19
Revision/	Description/Description	Date/Date
Client/client		

PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDING
REPLACEMENT**

Consultant Signature Only

Designed by/Concept par
L.L.

Drawn by/Dessiné par
MC

PWOSC Project Manager/Administrateur de Projets TPSC
TOM DUNPHY

Regional Manager, Architectural and Engineering Services
Gestionnaire régional, Services d'architecture et de génie, TPSC
FREETIPAL PAUL

Drawing title/Titre du dessin

**WICKANINISH BEACH
FOUNDATION & GROUND FLOOR PLAN
AND SECTIONS**

Project No./No. du projet R.078666.001	Sheet/Fauille S501 OF 14	Revision no./ La Révision no. 2
--	---------------------------------------	--

12334



5		
4		
3		
2	ISSUED FOR TENDER	20170302
1	ISSUED FOR 99% CD REVIEW	20160310
0	ISSUED FOR 50% CD REVIEW	20160219
Revision/	Description/Description	Date/Date

Client/client
PARKS CANADA

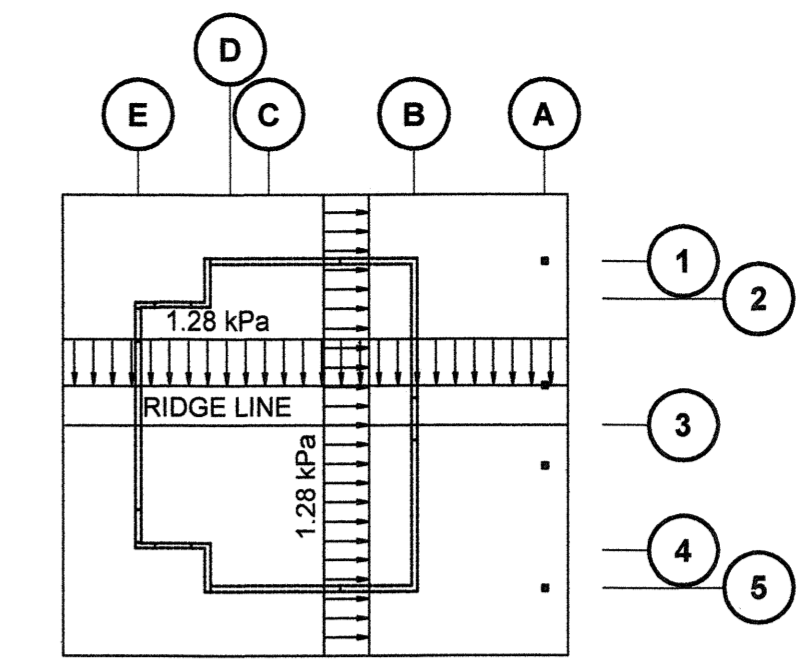
Project title/Titre du projet
**PACIFIC RIM HIGHWAY
 PACIFIC RIM NATIONAL PARK
 WASHROOM BUILDING
 REPLACEMENT**

Consultant Signature Only
 Designed by/Concept par
L.L.
 Drawn by/Dessiné par
MC
 PWGSC Project Manager/Administrateur de Projets TPSSG
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gérant régional, Services d'architecture et de génie, TPSSG
PREETIPAL PAUL
 Drawing title/Titre du dessin

**WICKANINISH BEACH
 ROOF PLAN AND SECTIONS**

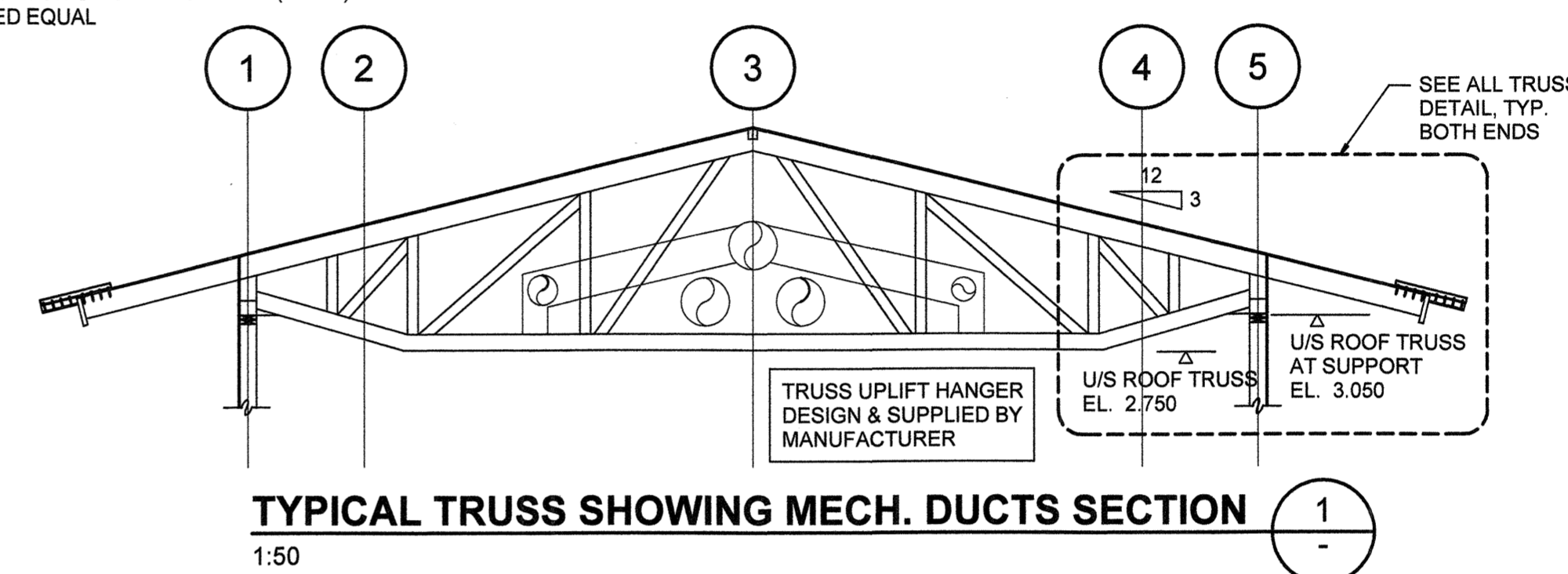
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.078666.001	S502 OF 14	2

12334

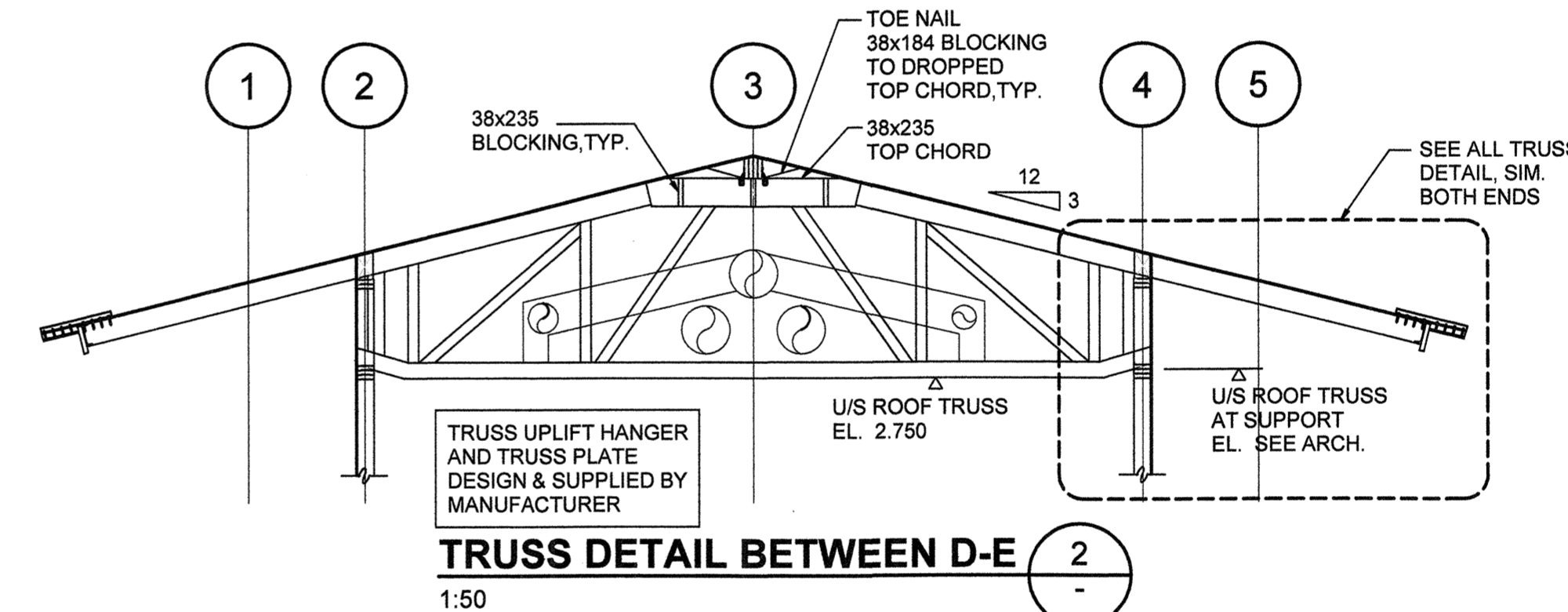


1. ROOF SNOW LOAD = 1.28 kPa U.N.O.
 I_s=1.0
 ADJUST FACTOR AS REQUIRED

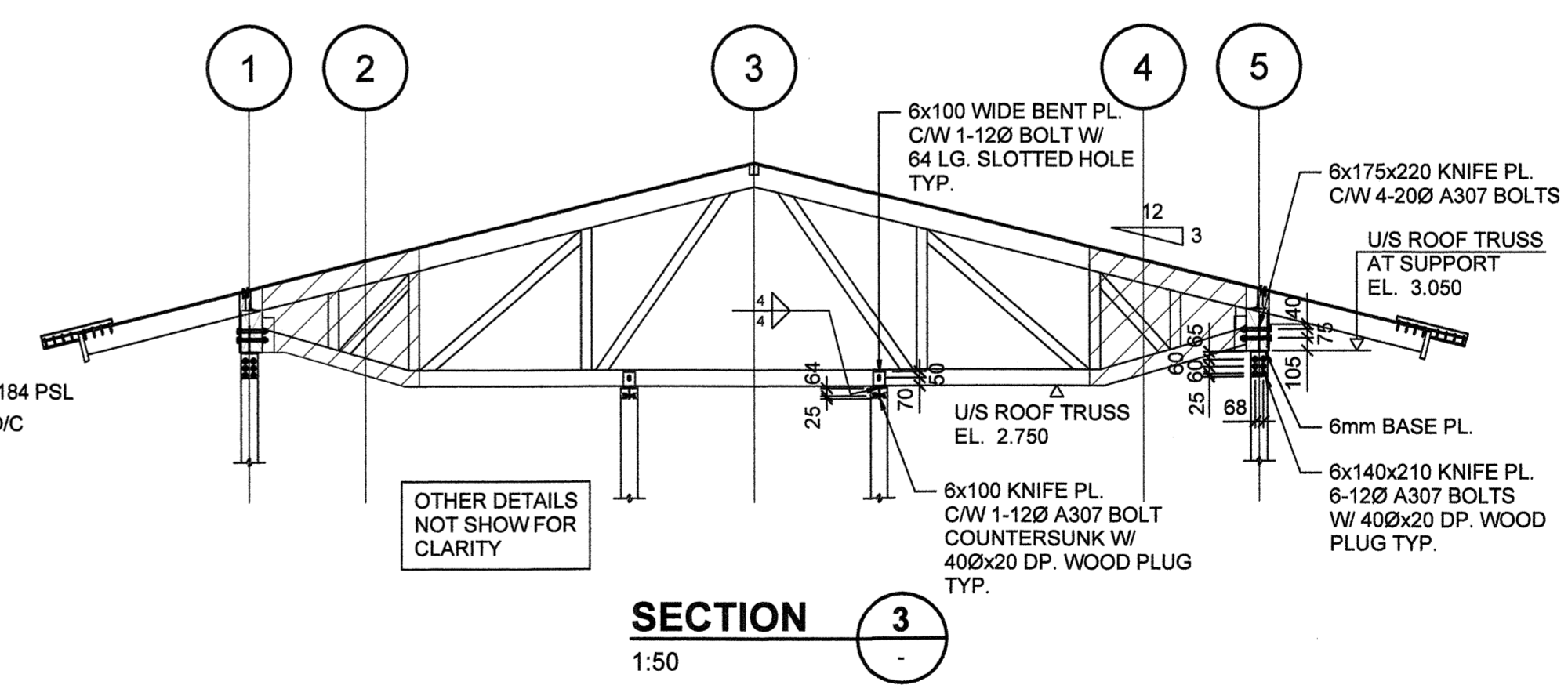
ROOF SNOW LOAD DIAGRAM
 1:200



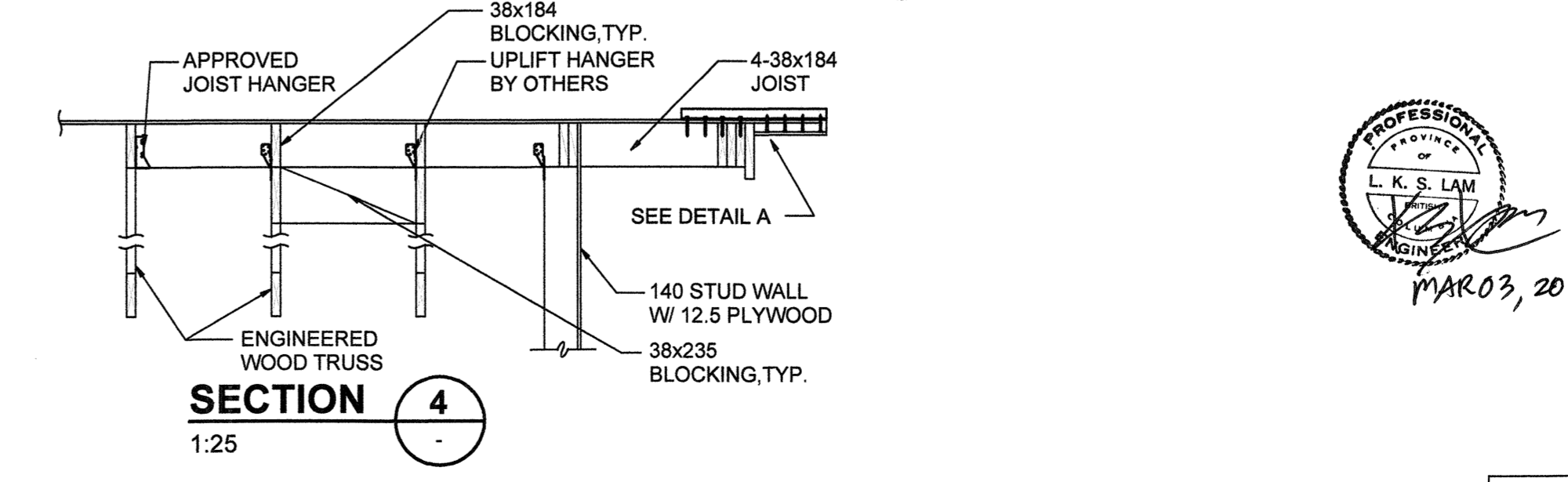
TYPICAL TRUSS SHOWING MECH. DUCTS SECTION
 1:50



TRUSS DETAIL BETWEEN D-E
 1:50



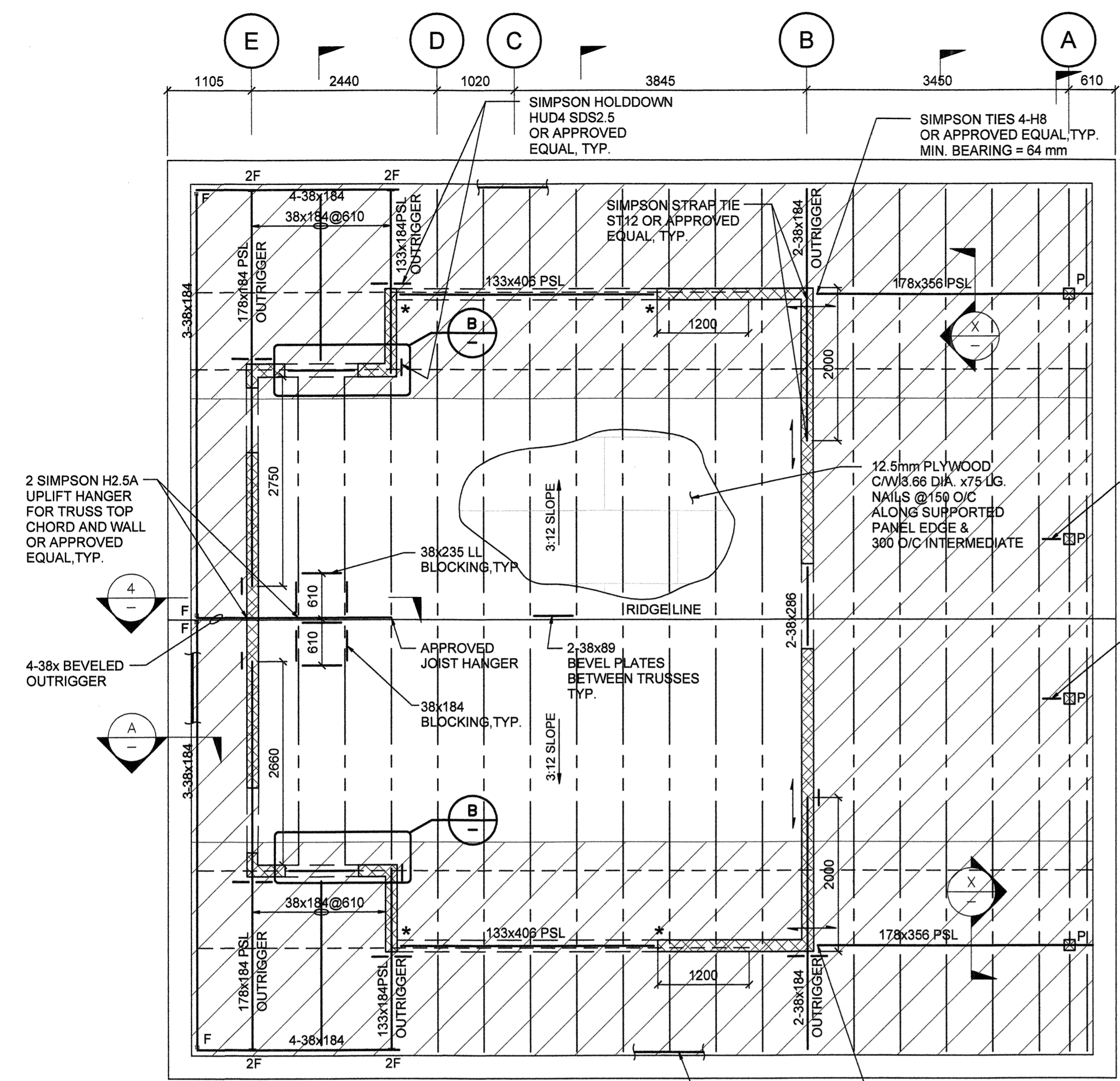
SECTION 3
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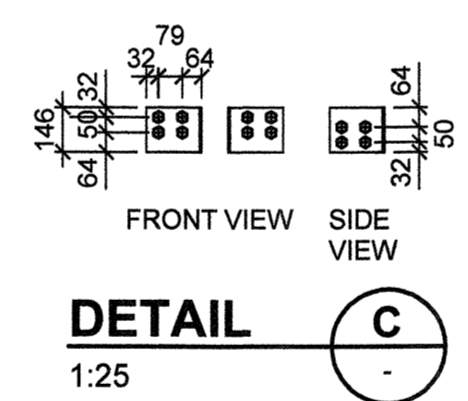
SECTION 4
 1:25

- LEGEND:**
- F DENOTES SIMPSON JOIST HANGER HUC48, TYP. OR APPROVED EQUAL
 - 2F DENOTES 1.175x175x6 4x146 LG C/W 8-18Ø A307 BOLTS, TYP. AS PER DETAIL C/-
 - 2A DENOTES SIMPSON FRAMING ANCHOR A35 EACH SIDE
 - DENOTES ENGINEERED WOOD TRUSS @610 O/C
 - DENOTES ROOF JOISTS 38x184 @610 O/C TYP., U.N.O.
 - DENOTES SIMPSON STRAP TIE OR APPROVED EQUAL (35 KN MIN.)
 - DENOTES SIMPSON COIL STRAP CMST14 OR APPROVED EQUAL WITH 2-38x140 BLOCKING WHERE REQUIRED
 - PSL DENOTES PARALLEL STRANDED LUMBER BEAM
 - ▨ DENOTES NAILING 3.65Øx76 LG. @ 75 O/C ALONG SUPPORTED PANEL EDGE & @ 300 O/C INTERMEDIATE (BLOCKING TO BE PROVIDED AT JOINT)
 - ⊠ DENOTES 140x140 D. FIR POST
 - * DENOTES SIMPSON STRAP TIES 3-ST22 (VERT.) OR APPROVED EQUAL

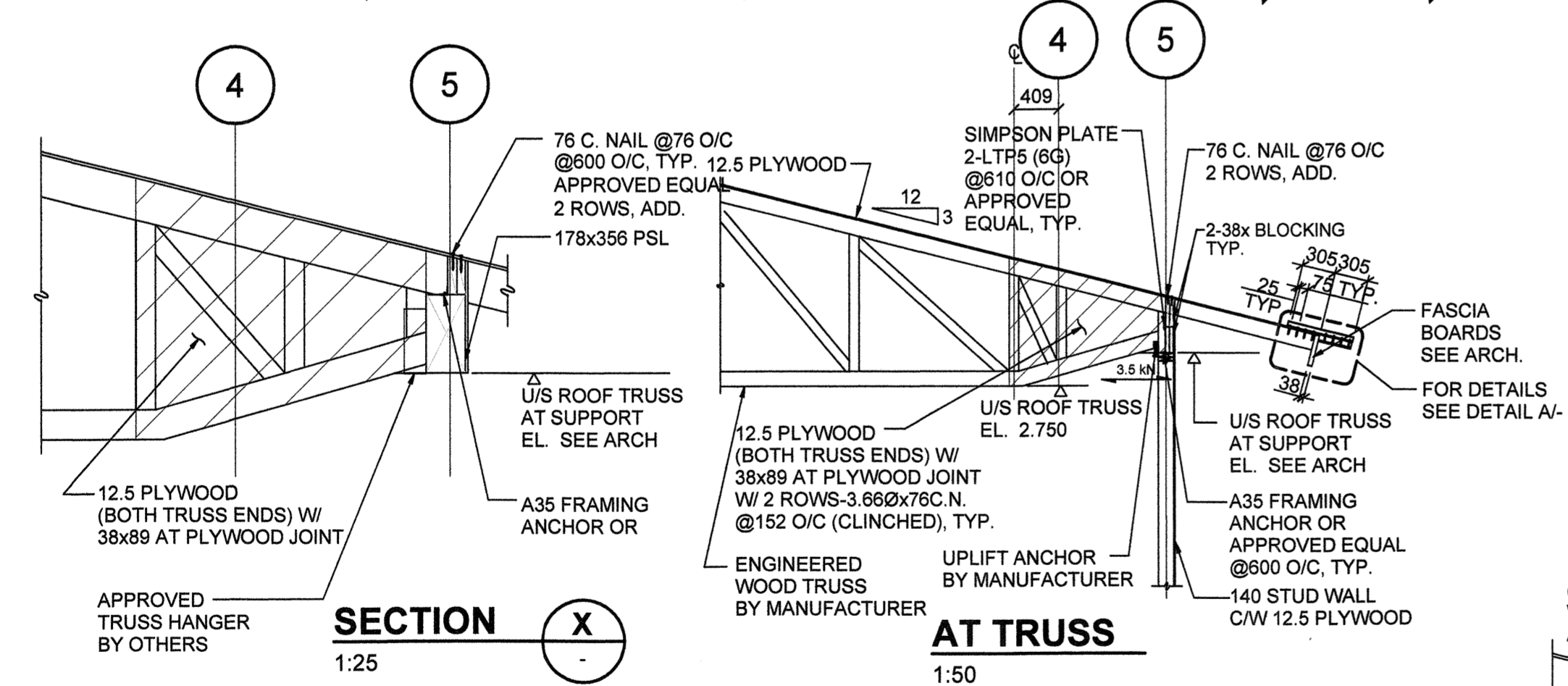
- NOTES:**
1. BOLT DBL PSL BEAM 178x184 W/ 2-12Ø A307 BOLTS @76 VERT. W/ MIN. 54 EDGE DISTANCE, TYP.
 2. ALL TRUSS TOP CHORD TO BE 38x184 MIN. U.N.O.
 3. DESIGN TRUSS WITH NET UPLIFT = 1.65 kPa



ROOF PLAN
 1:50

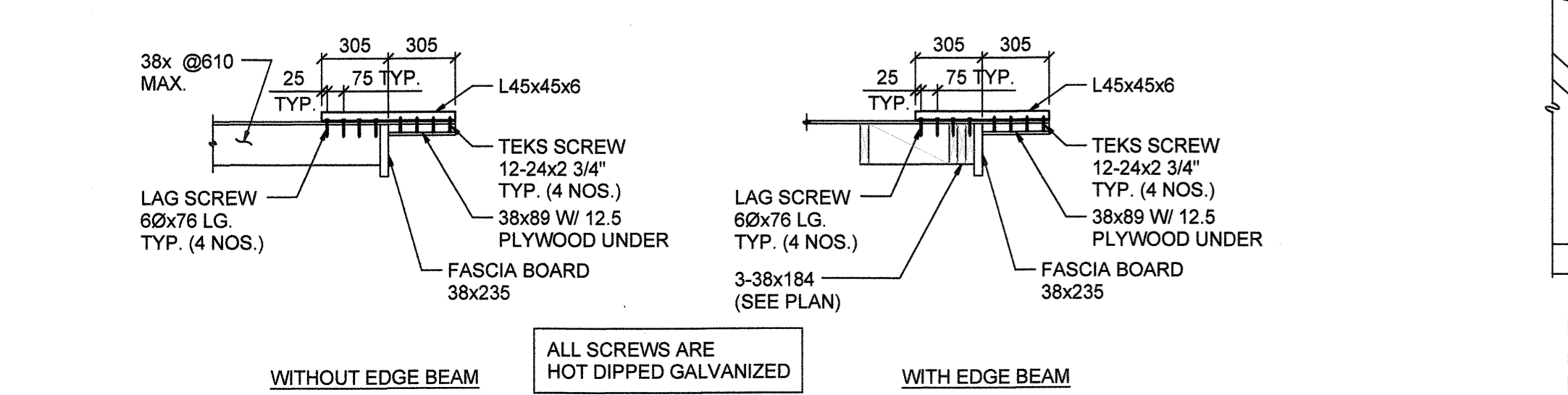


DETAIL C
 1:25

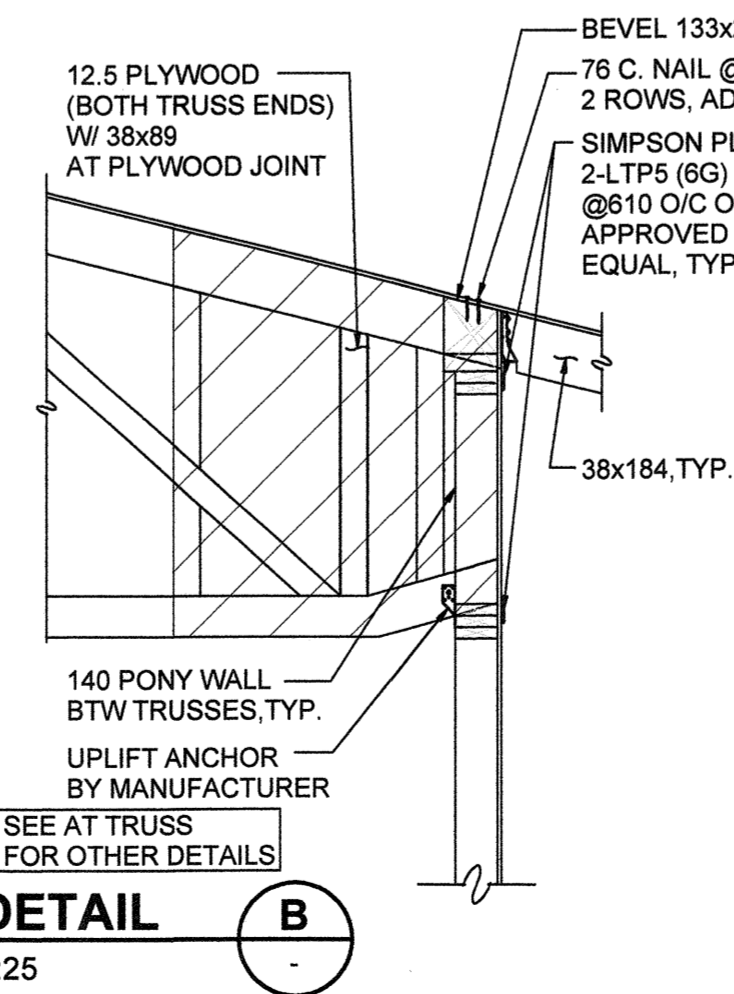


SECTION X
 1:25

AT TRUSS
 1:50



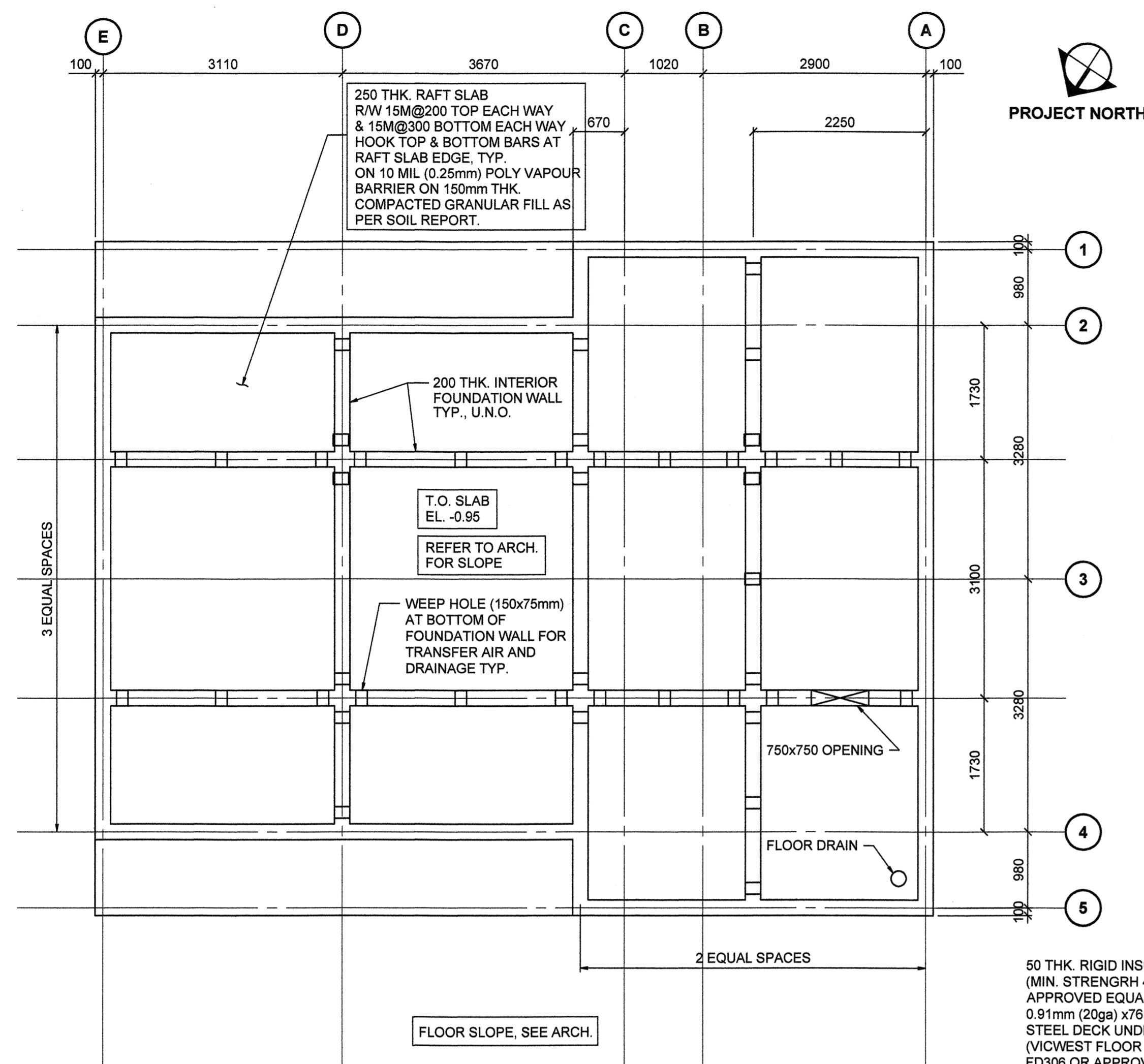
DETAIL A
 1:25



DETAIL B
 1:25

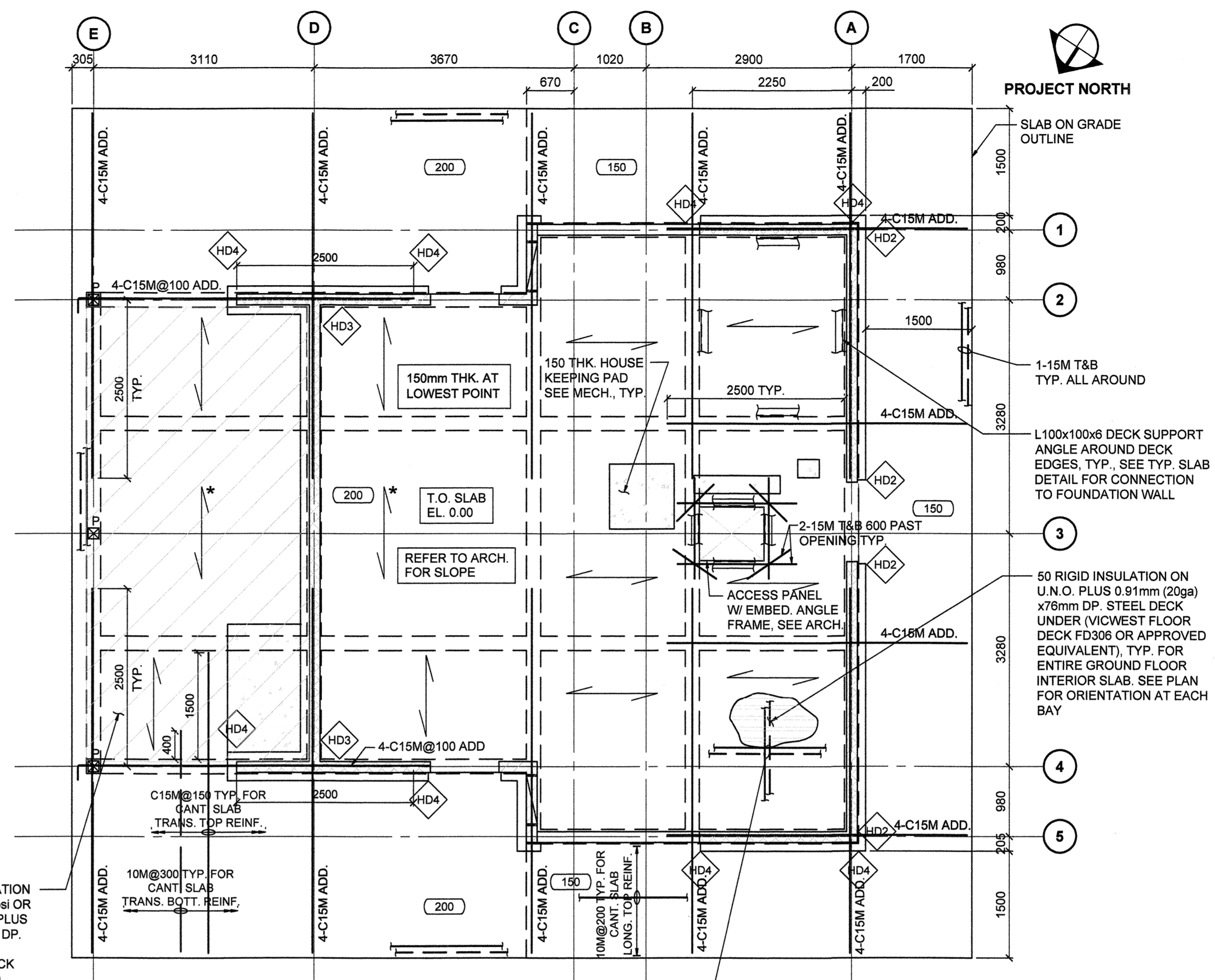
PROFESSIONAL
 ARCHITECT
 L. K. S. LAW
 MAR 03, 2017





FOUNDATION PLAN
1:50

ADD WATERPROOFING ADMIXTURE XYPEX OR APPROVED EQUAL TO CONCRETE



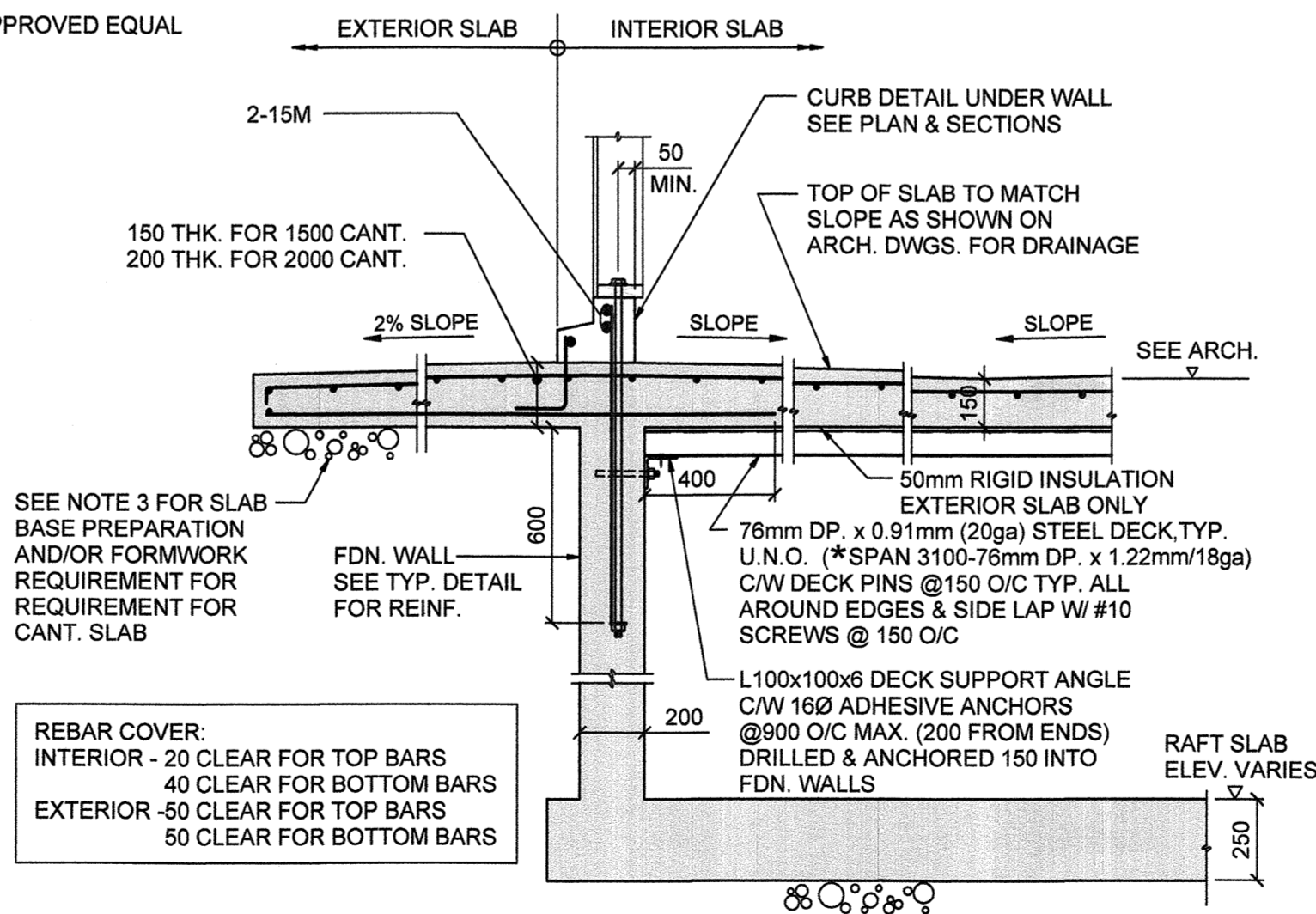
GROUND FLOOR SLAB DETAIL PLAN
1:50

ADD WATERPROOFING ADMIXTURE XYPEX OR APPROVED EQUAL TO CONCRETE

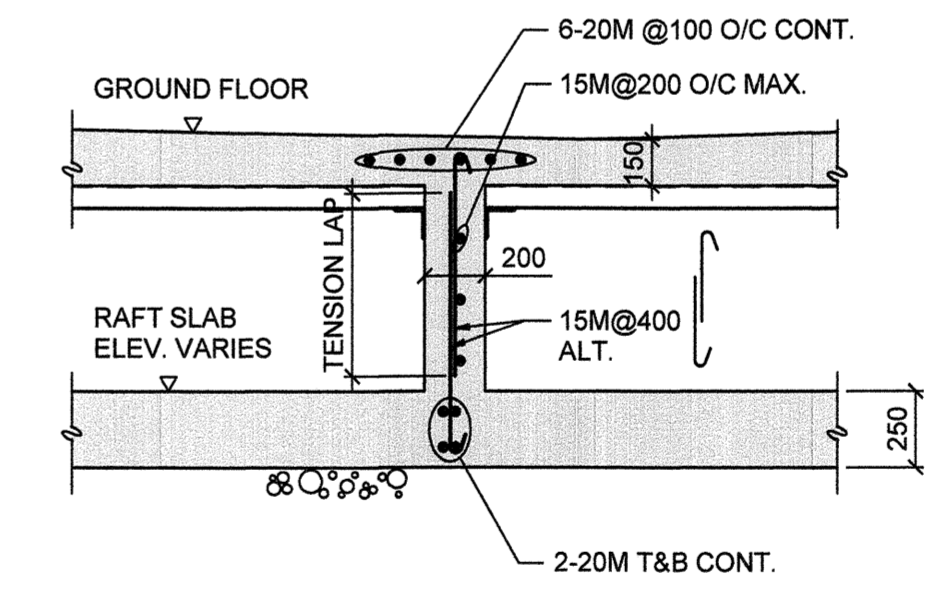
- LEGEND:**
- DENOTES WOOD STUD SHEAR WALLS @ 406 O/C W/ 12.5mm PLYWOOD C/W 64 LG. NAILS @100 O/C AT PLYWOOD EDGE & @300 O/C INTERMEDIATE. PROVIDE BLOCKING AT PLYWOOD JOINT, TYP.
 - DENOTES WOOD STUD LOAD-BEARING WALLS
 - (200) DENOTES SLAB THICKNESS
 - P DENOTES 140x140 CEDAR #1 POST C/W SIMPSON STRONG TIE POST BASE PB66 OR APPROVED EQUAL
 - DENOTES STEEL DECK SPAN ORIENTATION
 - DENOTES TOP REINFORCEMENT
 - DENOTES BOTTOM REINFORCEMENT
 - DENOTES 150 THICK MIN. STRUCTURAL FILL AS PER SOILS REPORT

- HOLD DOWN SCHEDULE**
- HD1 SIMPSON STRONG TIE HOLD DOWN HUD2-SDS2.5 OR APPROVED EQUAL
 - HD2 SIMPSON STRONG TIE HOLD DOWN HUD4-SDS2.5 OR APPROVED EQUAL
 - HD3 SIMPSON STRONG TIE HOLD DOWN HUD5-SDS2.5 OR APPROVED EQUAL
 - HD4 SIMPSON STRONG TIE HOLD DOWN HUD8-SDS2.5 OR APPROVED EQUAL

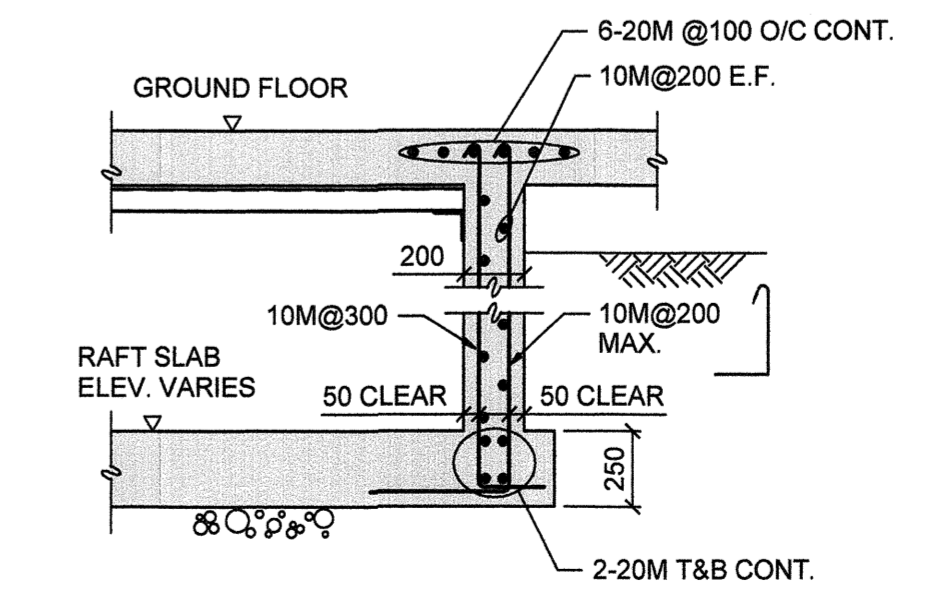
- NOTES:**
- U.N.O., ALL STUD WALLS TO BE 38x140@400 O/C.
 - U.N.O., PROVIDE 2-38x140 AT WALL ENDS AND ADJACENT TO WALL OPENINGS.
 - CONTRACTOR SHALL PROVIDE FORMWORK AS REQUIRED FOR CANTILEVER SLAB CONSTRUCTION WHERE SLAB BOTTOM IS HIGHER THAN THE FINISHED GRADE. AT THE AREAS WHERE UNDERSIDE OF CANTILEVER SLAB BEARS ON TOP OF FINISHED GRADE, CONTRACTOR SHALL PLACE COMPACTED BACKFILL TO PROVIDE LEVELLED SURFACE FOR CANTILEVER SLAB CONSTRUCTION.



TYPICAL SLAB DETAIL FOR INTERIOR SLAB & EXTERIOR CANTILEVER SLAB
1:20



TYPICAL INTERIOR FOUNDATION WALL DETAIL
1:25



TYPICAL EXTERIOR FOUNDATION WALL DETAIL
1:25

5		
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2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 80% CD REVIEW	2016/02/10
0	ISSUED FOR 50% CD REVIEW	2016/02/19
Revision/Revisions	Description/Description	Date/Date

Client/client
PARKS CANADA

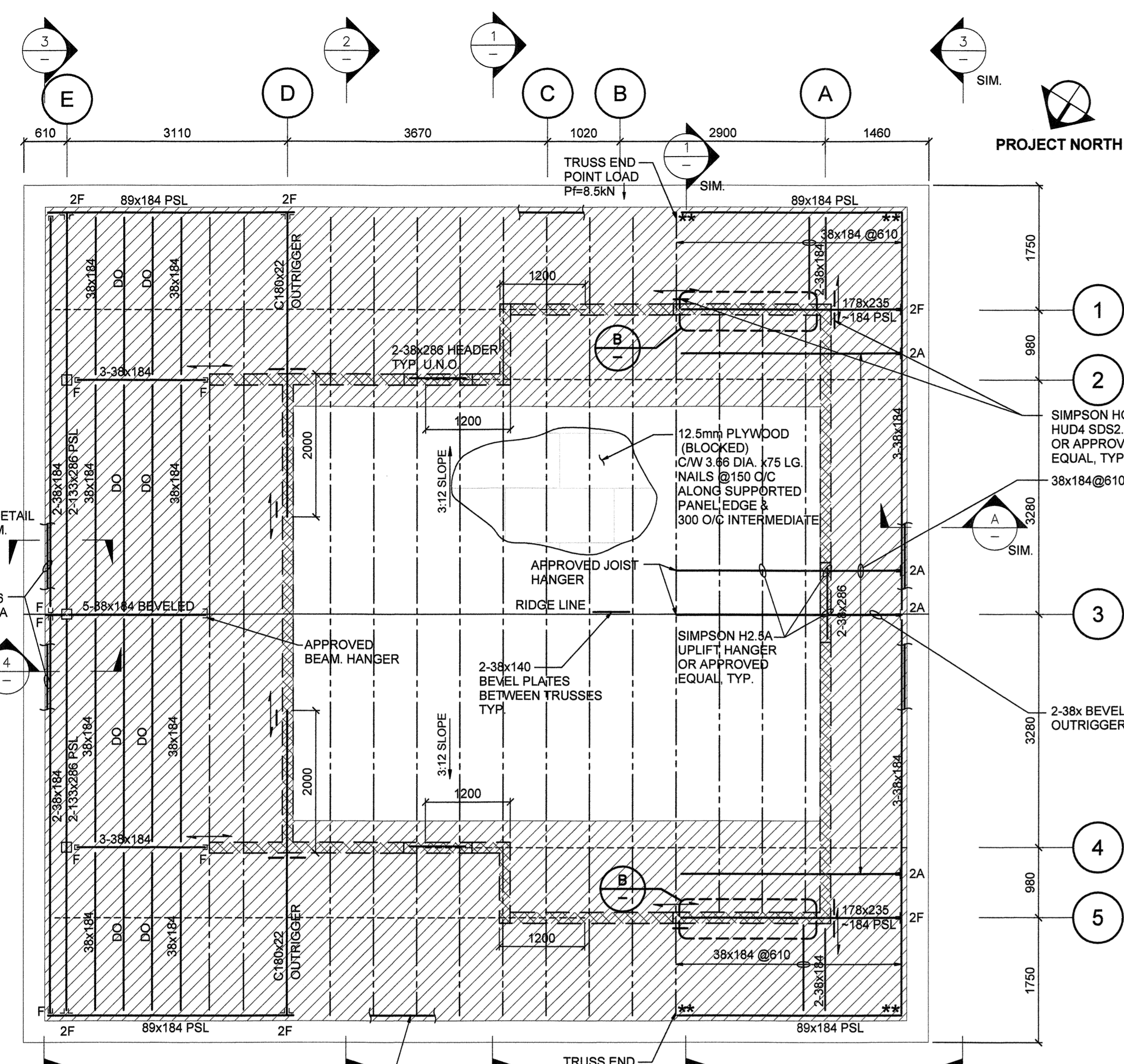
Project title/Titre du projet
PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK WASHROOM BUILDING REPLACEMENT

Consultant Signature Only
 Designed by/Concept par
 L.L.
 Drawn by/Dessiné par
 MC
 PWSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL
 Drawing title/Titre du dessin

GREEN POINT NO. 1 FOUNDATION & GROUND FLOOR PLAN AND SECTIONS

Project No./No. du projet R.078666.001	Sheet/Feuille S601	Revision no./La Révision no. 2
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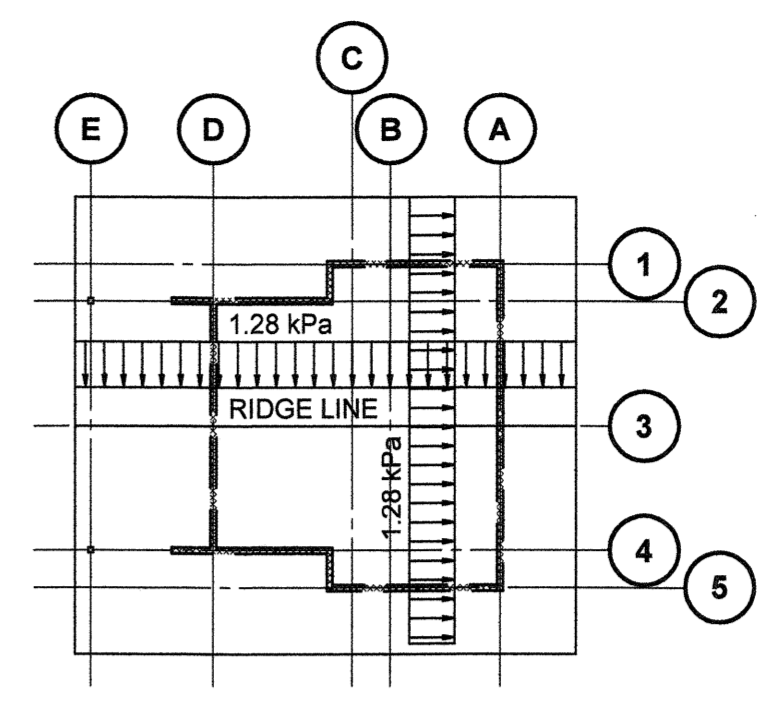




ROOF PLAN
1:50

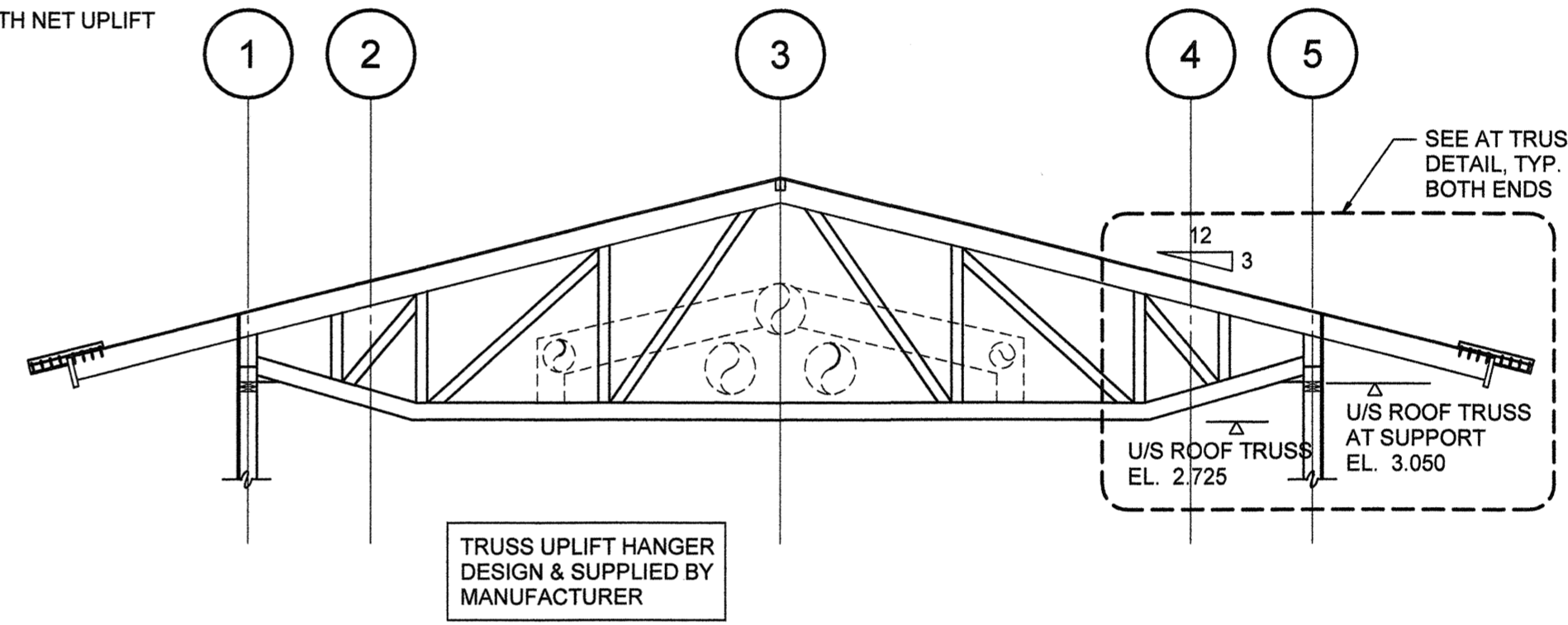
- LEGEND:**
- UF DENOTES SIMPSON JOIST HANGER HUC48, TYP. OR APPROVED EQUAL
 - 2F DENOTES 1/2" 175x175x6.4x146 LG C/W 8-16@ A307 BOLTS, TYP. AS PER DETAIL C/-
 - 2A DENOTES SIMPSON FRAMING ANCHOR A35 EACH SIDE
 - ** DENOTES SIMPSON BEAM HANGER HUC48 OR APPROVED EQUAL
 - DENOTES ENGINEERED WOOD TRUSS @610 O/C
 - DENOTES ROOF JOISTS 38x184 @610 O/C TYP., U.N.O.
 - DENOTES SIMPSON STRAP TIE OR APPROVED EQUAL (35 kN MIN.)
 - DENOTES SIMPSON COIL STRAP CMST14 OR APPROVED EQUAL WITH 2-38x140 BLOCKING WHERE REQUIRED R/W 2-3.25@64 LG. C. NAIL @89 O/C
 - PSL DENOTES PARALLEL STRANDED LUMBER BEAM
 - DENOTES NAILING 3 66@x76 LG. @ 75 O/C ALONG SUPPORTED PANEL EDGE & @ 300 O/C INTERMEDIATE (BLOCKING TO BE PROVIDED AT JOINT)

- NOTES:**
1. BOLT DBL PSL BEAM 178x184 W/ 2-12@ A307 BOLTS @76 VERT. W/ MIN. 54 EDGE DISTANCE, TYP.
 2. ALL TRUSS TOP CHORD TO BE 38x184 MIN. U.N.O.
 3. DESIGN TRUSS WITH NET UPLIFT = 1.65 kPa

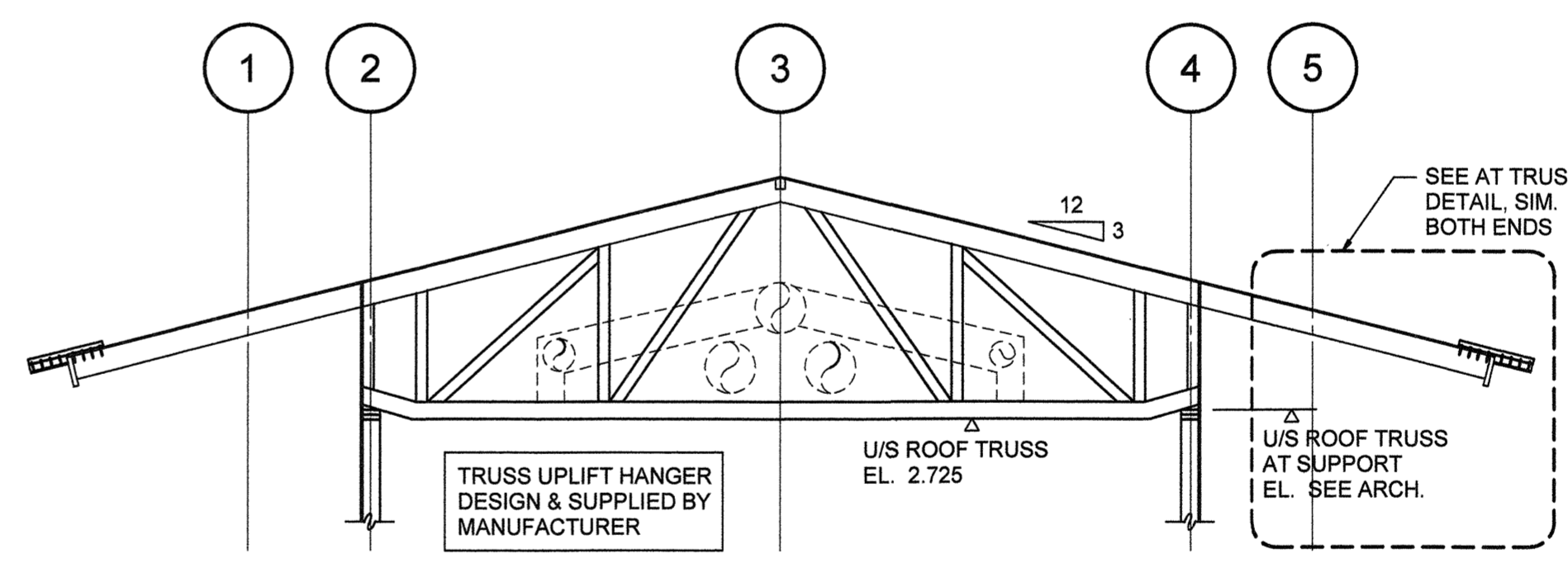


1. ROOF SNOW LOAD = 1.28 kPa U.N.O. Is=1.0 ADJUST FACTOR AS REQUIRED

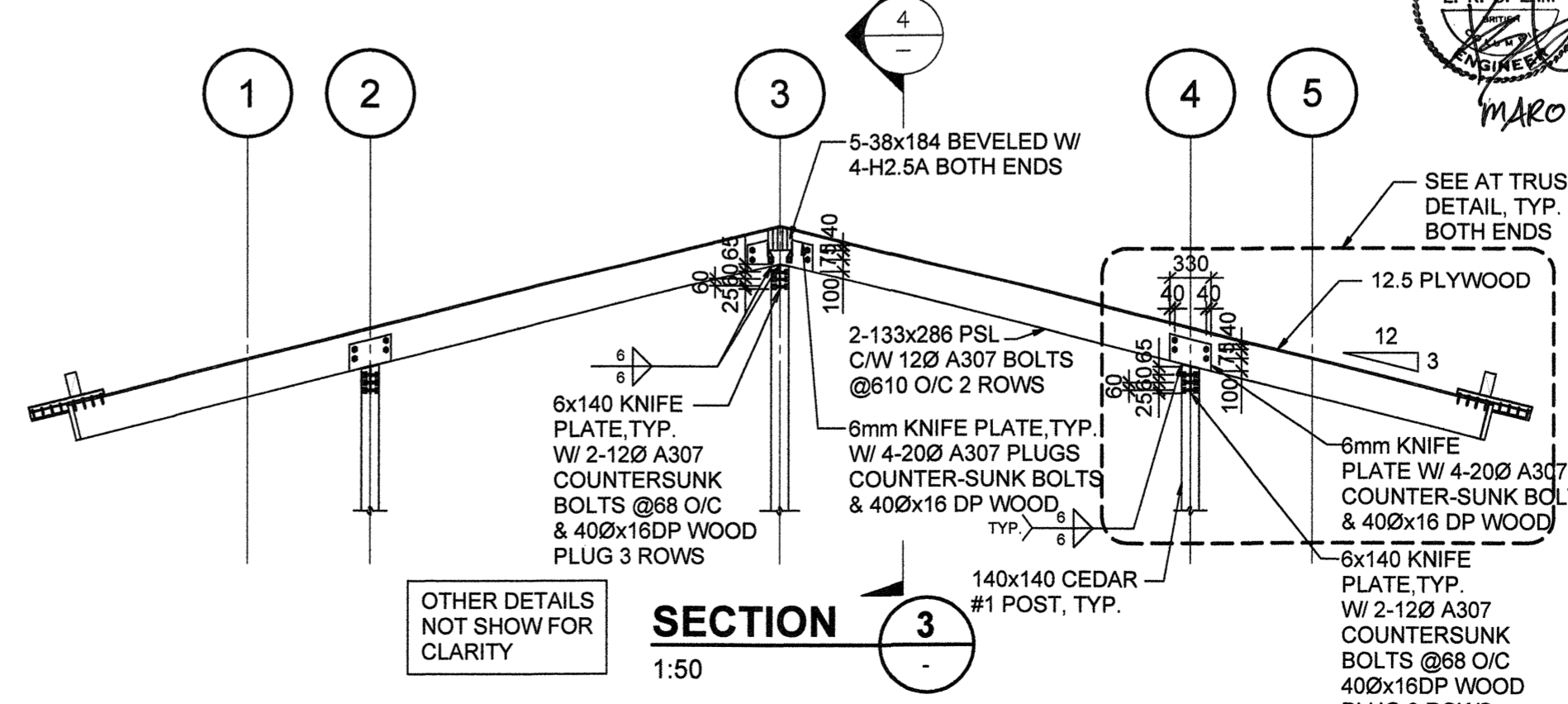
ROOF SNOW LOAD DIAGRAM
1:200



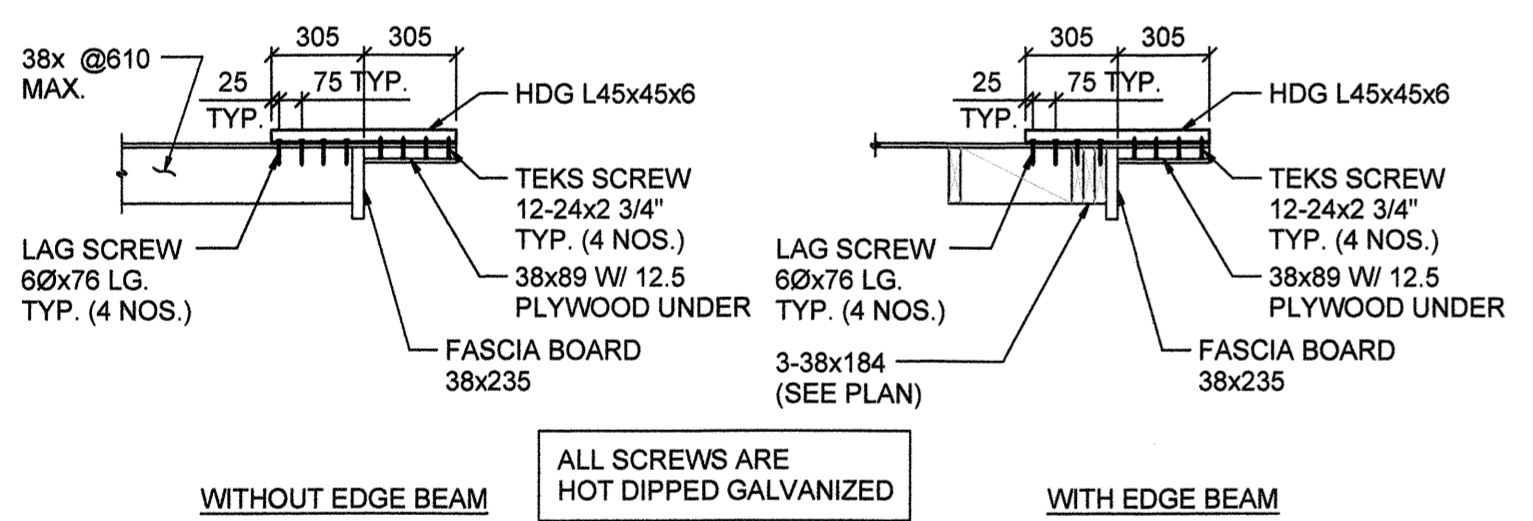
TYPICAL TRUSS SHOWING MECH. DUCTS SECTION
1:50



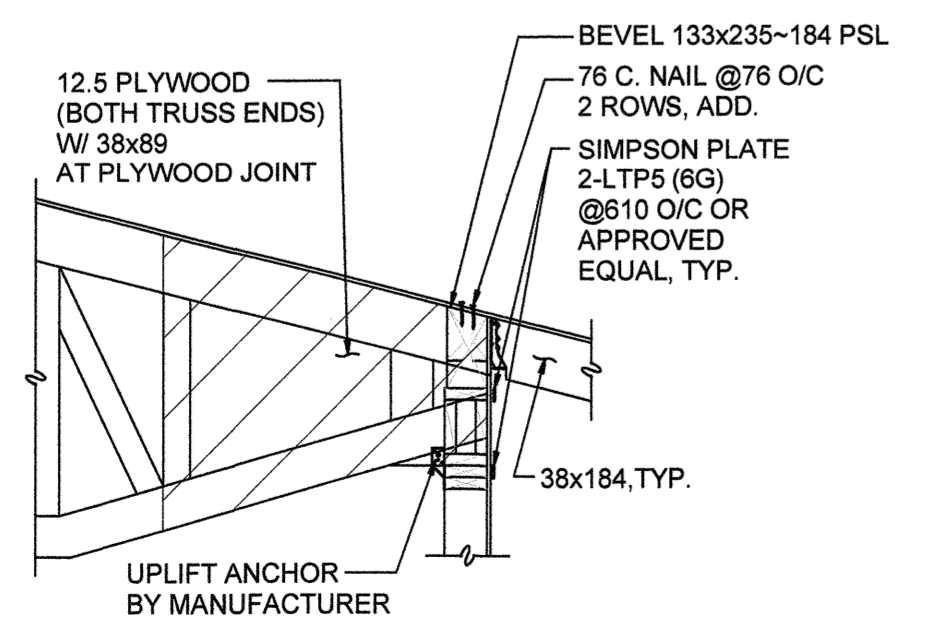
TRUSS DETAIL BETWEEN D-E
1:50



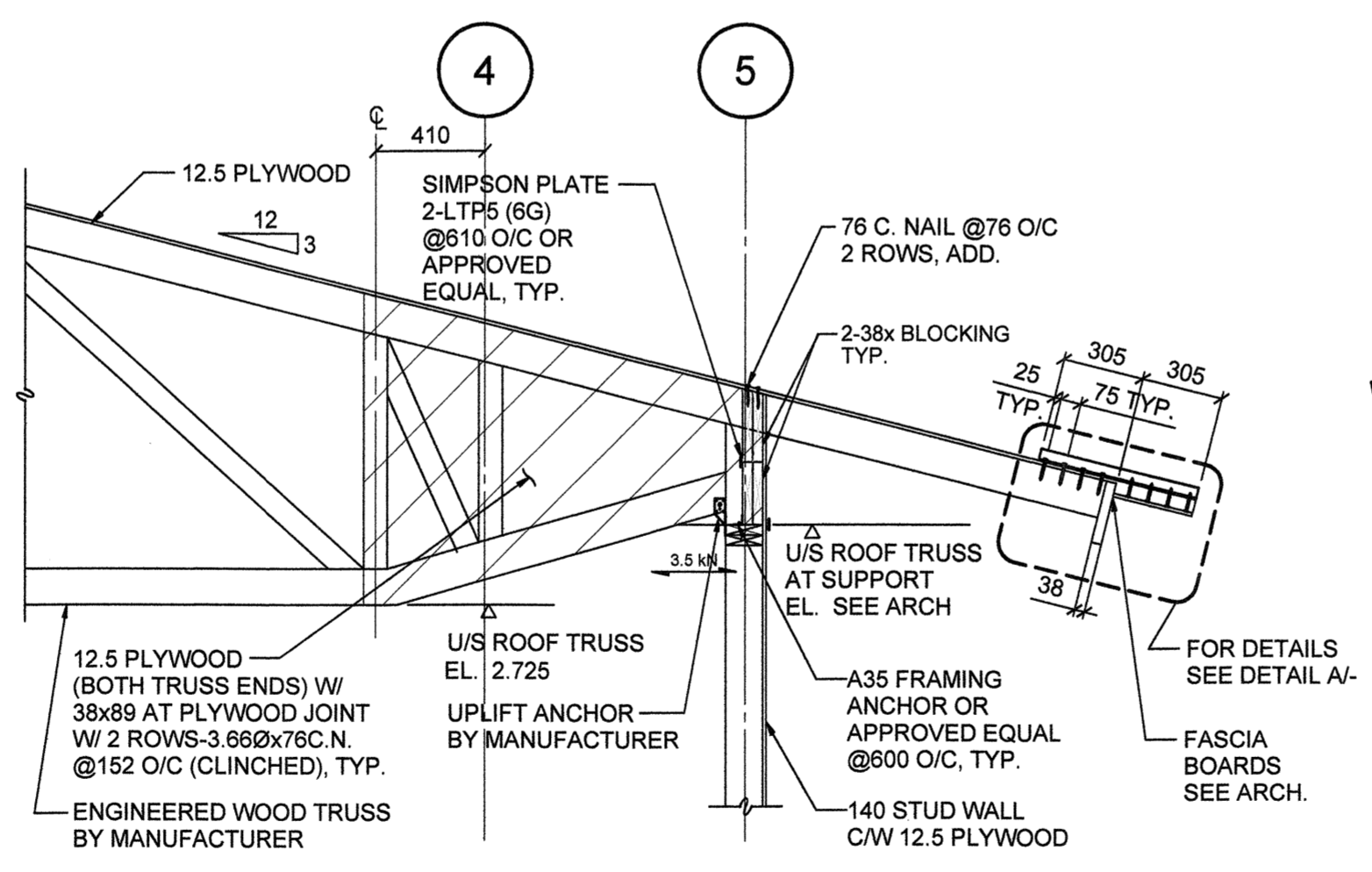
SECTION 3
1:50



DETAIL A
1:25



DETAIL B
1:25



AT TRUSS
1:25

DETAIL C
1:25

SECTION 4
1:25

5		
4		
3		
2	ISSUED FOR TENDER	20170302
1	ISSUED FOR BPA CD REVIEW	20160910
0	ISSUED FOR 80% CD REVIEW	20160215
Revision/Description	Description/Description	Date/Date

Client/client
PARKS CANADA

Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDING
REPLACEMENT**

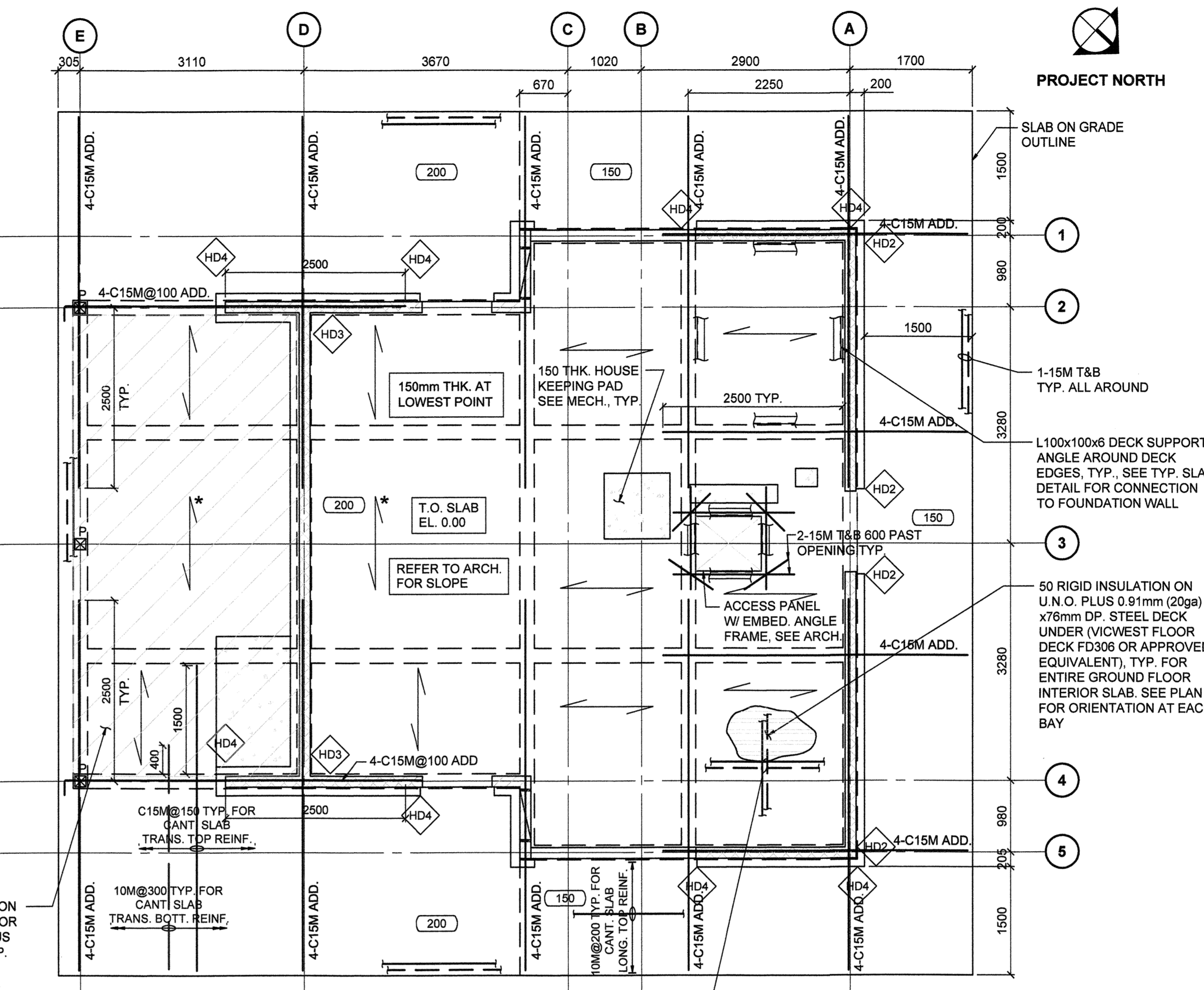
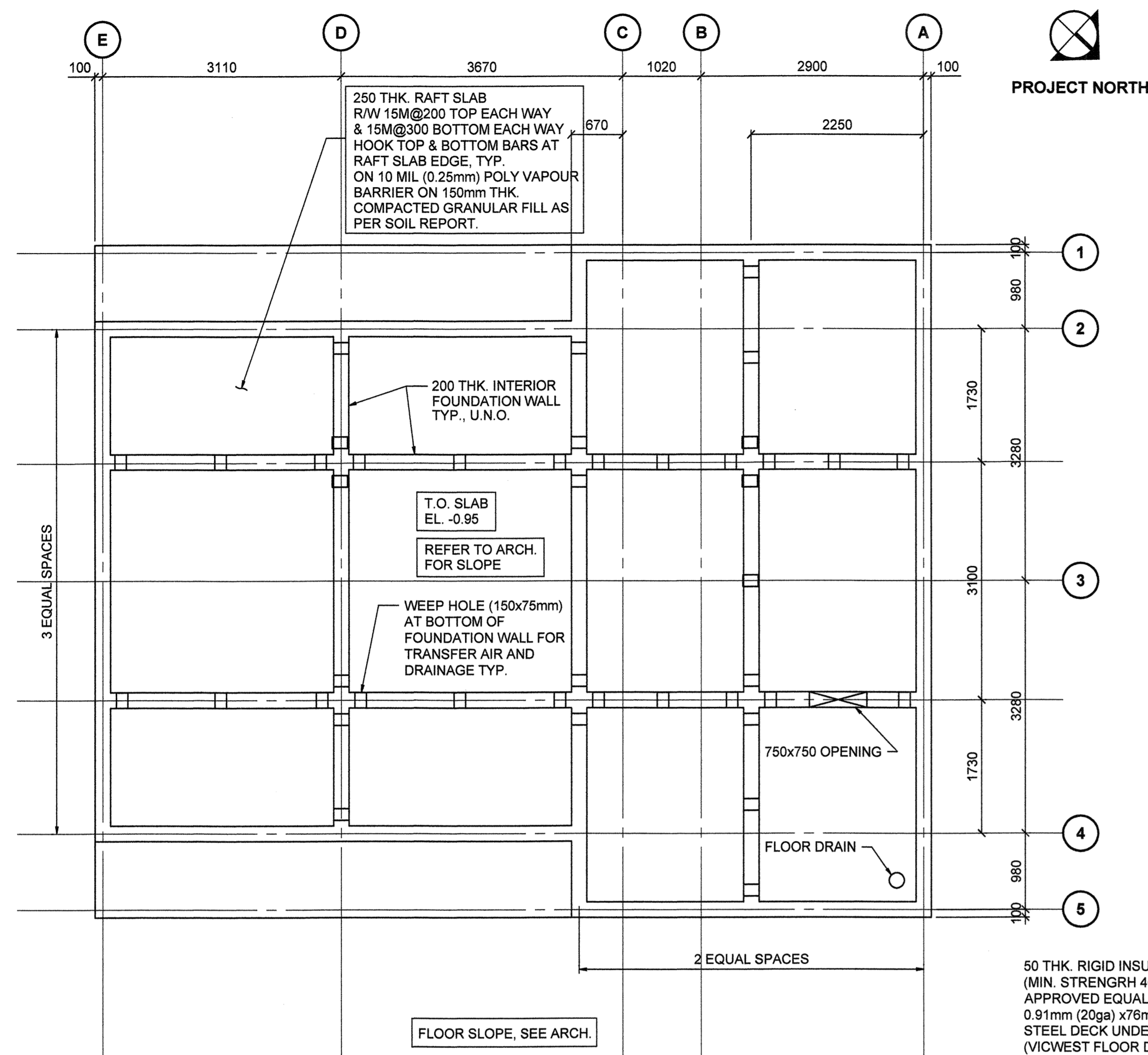
Consultant Signature Only
Designed by/Concept par
L.L.
Drawn by/Dessiné par
MC
PWSC Project Manager/Administrateur de Projets TPSC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSC
PREETIPAL PAUL

Drawing title/Titre du dessin
**GREEN POINT NO. 1
ROOF PLAN AND SECTIONS**

Project No./No. du projet R.078666.001	Sheet/Feuille S602 OF 14	Revision no./ La Révision no. 2
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12334

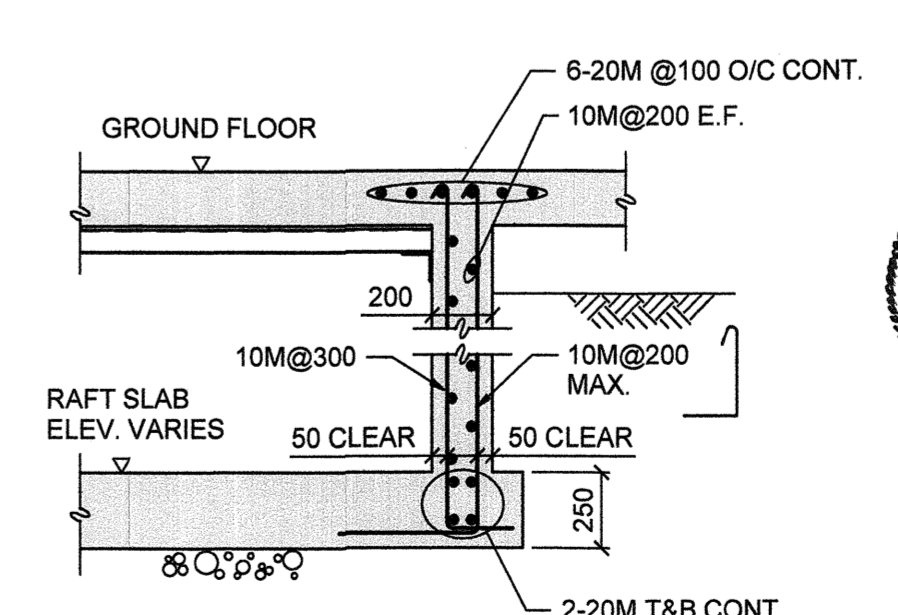
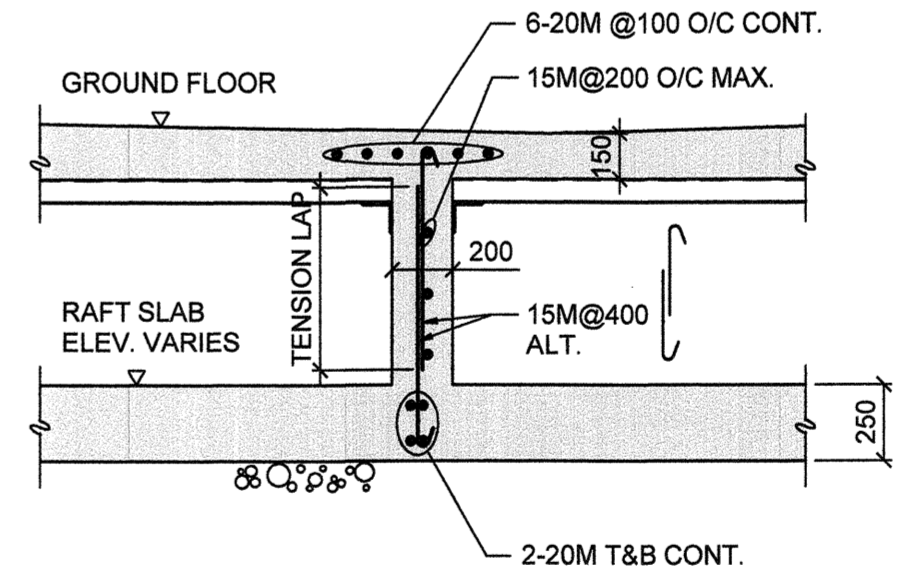
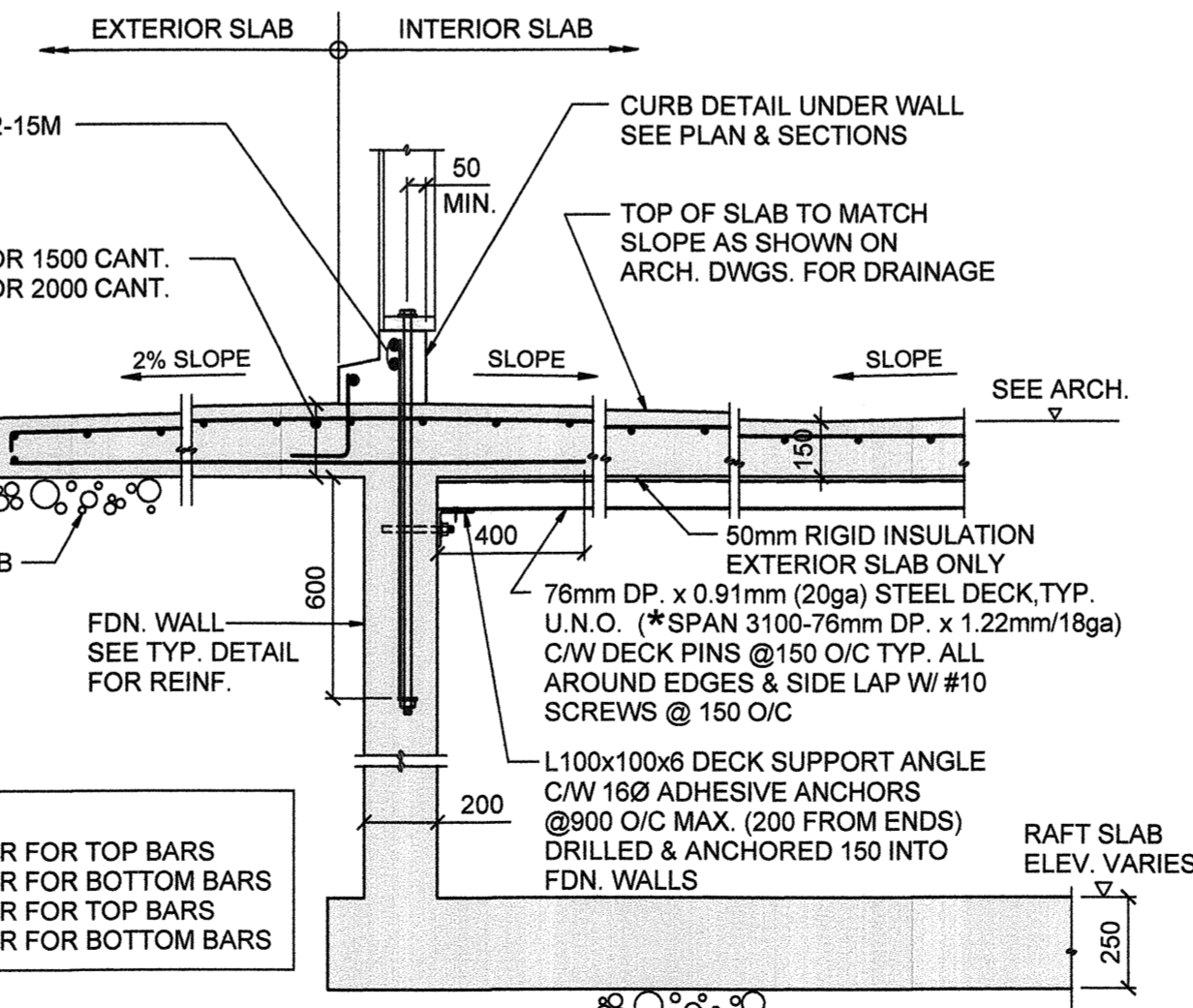




- LEGEND:**
- DENOTES WOOD STUD SHEAR WALLS @ 406 O/C W/ 12.5mm PLYWOOD C/W 64 LG. NAILS @100 O/C AT PLYWOOD EDGE & @300 O/C INTERMEDIATE. PROVIDE BLOCKING AT PLYWOOD JOINT, TYP.
 - DENOTES WOOD STUD LOAD-BEARING WALLS
 - (200) DENOTES SLAB THICKNESS
 - P DENOTES 140x140 CEDAR #1 POST C/W SIMPSON STRONG TIE POST BASE PB66 OR APPROVED EQUAL
 - DENOTES STEEL DECK SPAN ORIENTATION
 - DENOTES TOP REINFORCEMENT
 - DENOTES BOTTOM REINFORCEMENT
 - DENOTES 150 THICK MIN. STRUCTURAL FILL AS PER SOILS REPORT

- HOLD DOWN SCHEDULE:**
- HD1 SIMPSON STRONG TIE HOLD DOWN HUD2-SDS2.5 OR APPROVED EQUAL
 - HD2 SIMPSON STRONG TIE HOLD DOWN HUD4-SDS2.5 OR APPROVED EQUAL
 - HD3 SIMPSON STRONG TIE HOLD DOWN HUD5-SDS2.5 OR APPROVED EQUAL
 - HD4 SIMPSON STRONG TIE HOLD DOWN HUD8-SDS2.5 OR APPROVED EQUAL

- NOTES:**
- U.N.O., ALL STUD WALLS TO BE 38x140@400 O/C.
 - U.N.O., PROVIDE 2-38x140 AT WALL ENDS AND ADJACENT TO WALL OPENINGS.
 - CONTRACTOR SHALL PROVIDE FORMWORK AS REQUIRED FOR CANTILEVER SLAB CONSTRUCTION WHERE SLAB BOTTOM IS HIGHER THAN THE FINISHED GRADE. AT THE AREAS WHERE UNDERSIDE OF CANTILEVER SLAB BEARS ON TOP OF FINISHED GRADE, CONTRACTOR SHALL PLACE COMPACTED BACKFILL TO PROVIDE LEVELLED SURFACE FOR CANTILEVER SLAB CONSTRUCTION.



Revision/Basic	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	2017/03/02
1	ISSUED FOR 99% CD REVIEW	2016/03/10
0	ISSUED FOR 80% CD REVIEW	2016/02/19

Client/client
PARKS CANADA

Project title/Titre du projet
PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK WASHROOM BUILDING REPLACEMENT

Consultant Signature Only
 Designed by/Concept par
LL
 Drawn by/Dessiné par
MC
 PWGSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
 Regional Manager, Architectural and Engineering Services
 Gérant régional, services d'architecture et de génie, TPSGC
PREETIPAL PAUL
 Drawing title/Titre du dessin

GREEN POINT NO. 4
FOUNDATION & GROUND FLOOR PLAN AND SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.078666.001	S701	2

12334



5		
4		
3		
2	ISSUED FOR TENDER	20170902
1	ISSUED FOR 90% CD REVIEW	20160210
0	ISSUED FOR 80% CD REVIEW	20160219
Revision/	Description/Description	Date/Date
Client/client		

PARKS CANADA

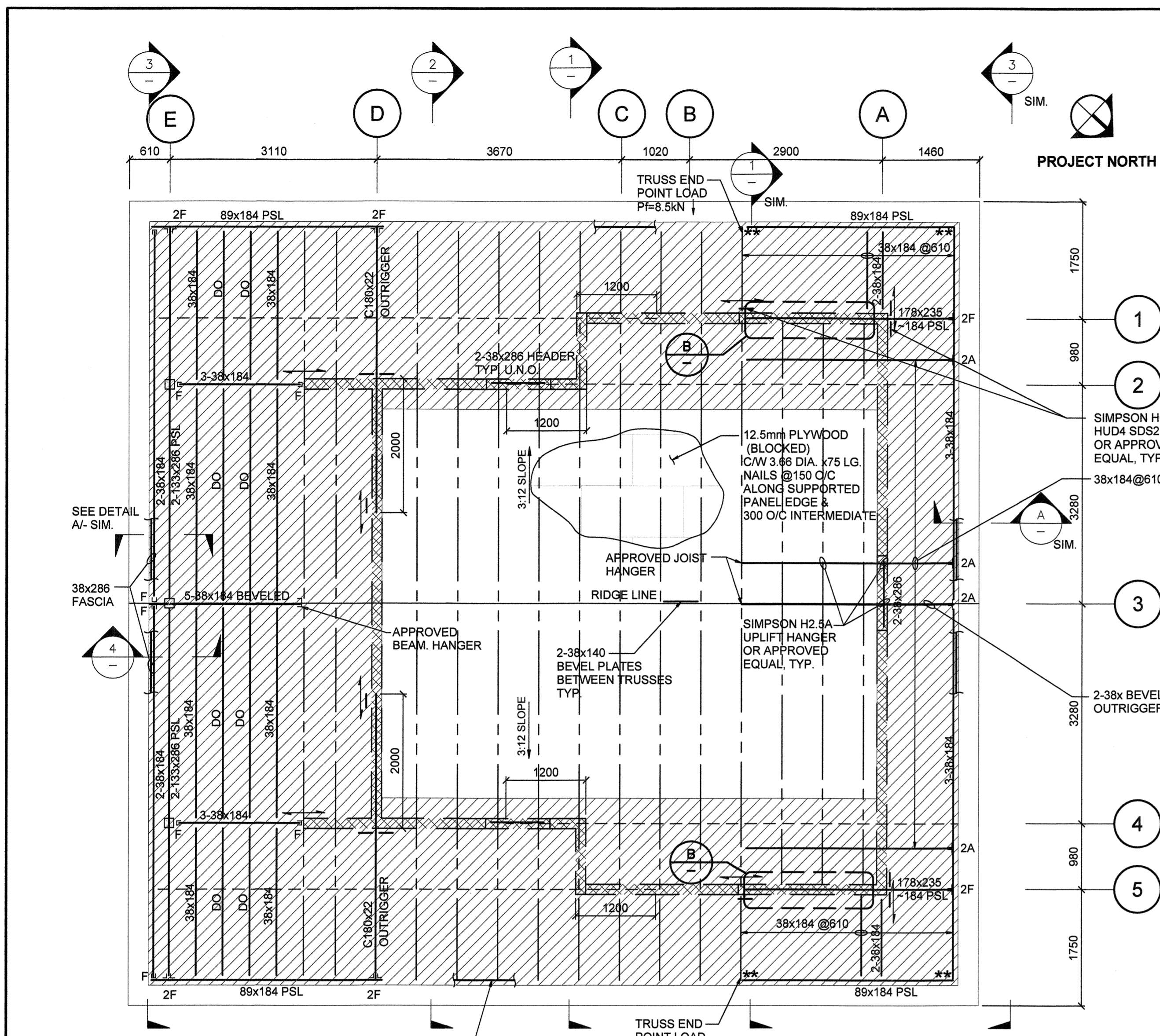
Project title/Titre du projet
**PACIFIC RIM HIGHWAY
PACIFIC RIM NATIONAL PARK
WASHROOM BUILDING
REPLACEMENT**

Consultant Signature Only
Designed by/Concept par
L.L.
Drawn by/Dessiné par
MC
PWOSC Project Manager/Administrateur de Projets TPSOC
TOM DUNPHY
Regional Manager, Architectural and Engineering Services
Gestionnaire régional, Services d'architecture et de génie, TPSOC
PREETPAL PAUL

Drawing title/Titre du dessin
**GREEN POINT NO. 4
ROOF PLAN AND SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./Loi Révision
R.078666.001	S702	2

12334



- LEGEND:**
- UF DENOTES SIMPSON JOIST HANGER HUC48, TYP. OR APPROVED EQUAL
 - L 2F DENOTES L 175x175x6.4x146 LG C/W 8-16@ A307 BOLTS, TYP. AS PER DETAIL C1-
 - L 2A DENOTES SIMPSON FRAMING ANCHOR A35 EACH SIDE
 - ** DENOTES SIMPSON BEAM HANGER HUC48 OR APPROVED EQUAL
 - DENOTES ENGINEERED WOOD TRUSS @610 O/C
 - DENOTES ROOF JOISTS 38x184 @610 O/C TYP., U.N.O.
 - DENOTES SIMPSON STRAP TIE OR APPROVED EQUAL (35 kN MIN.)
 - - - DENOTES SIMPSON COIL STRAP CMST14 OR APPROVED EQUAL WITH 2-38x140 BLOCKING WHERE REQUIRED R/W 2-3.25@x64 LG. C. NAIL @89 O/C
 - PSL DENOTES PARALLEL STRANDED LUMBER BEAM
 - DENOTES NAILING 3.66@x76 LG. @ 75 O/C ALONG SUPPORTED PANEL EDGE & @ 300 O/C INTERMEDIATE (BLOCKING TO BE PROVIDED AT JOINT)

- NOTES:**
1. BOLT DBL PSL BEAM 178x184 W/ 2-12@ A307 BOLTS @76 VERT. W/ MIN. 54 EDGE DISTANCE, TYP.
 2. ALL TRUSS TOP CHORD TO BE 38x184 MIN. U.N.O.
 3. DESIGN TRUSS WITH NET UPLIFT = 1.65 kPa

