

STRUCTURAL STEEL

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- CONFORM TO THE GENERAL REQUIREMENTS AND SPECIAL CONDITIONS CONTAINED IN (DIVISION 1) AND GENERAL NOTES. FOLLOW CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL, UNLESS PROJECT SPECIFICATIONS ARE MORE STRINGENT. THESE NOTES RELATE TO THE ITEMS
- 2. CONFORM TO CSA STANDARDS CSA_S16, CSA_S136, W47.1, W48.1, W48.1, W55.3, W59 AND CSA G40.20 LATEST EDITIONS.
- 3. MATERIALS SHOWN ON THE DRAWINGS OR IN THIS SPECIFICATION ARE TO ESTABLISH THE REQUIRED DEGREE OF QUALITY OR PERFORMANCE. SUBSTITUTION MAY BE PERMITTED UPON PROOF OF EQUIVALENCE. SUBMIT ALL PROPOSALS FOR SUBSTITUTION TO THE CONSULTANT IN WRITING IN ADVANCE OF SHOP DRAWINGS. EACH ITEM WILL BE CLEARLY IDENTIFIED. DO NOT PROCEED WITH PROPOSAL UNLESS IT IS ACCEPTED IN WRITING BY THE CONSULTANT.
- 4. TOLERANCES: FABRICATION AND ERECTION TOLERANCES SHALL MEET THE REQUIREMENTS OF CSA STANDARD S16.
- 5. DEFLECTION REQUIREMENTS: TOTAL DEFLECTION NOT TO EXCEED 1/180 OF THE SPAN, LIVE LOAD DEFLECTION TO 1/360 OF THE SPAN, EXCEPT WHERE SUPPORTING MASONRY INCREASE STIFFNESS TO 1/720 OF THE SPAN.
- 6. WORK SHALL BE CARRIED OUT BY A MEMBER OF THE CANADIAN INSTITUTE OF STEEL CONSTRUCTION. WELDING SHALL BE PERFORMED BY FIRMS FULLY APPROVED BY THE CANADIAN WELDING BUREAU UNDER THE REQUIREMENTS OF CSA STANDARD W47.1. SUBMIT VERIFICATION DOCUMENTATION BEFORE COMMENCING WORK.
- 7. DESIGN CONNECTIONS TO CONFORM TO CSA-S16 AND THE CISC HANDBOOK OF STEEL CONSTRUCTION, USING STANDARDIZED CONNECTIONS WHERE POSSIBLE. UNLESS A SPECIFIC FACTORED CONNECTION LOAD IS SHOWN ON THE PLANS, PROVIDE CONNECTION CAPACITIES AS
- FOR STANDARD BEAM SHEAR CONNECTIONS, DESIGN FOR A SERVICE CAPACITY IN KN EQUAL TO THE BEAM DEPTH IN MM MULTIPLIED BY .5.
- DESIGN ALL SPLICES AND CONNECTIONS OF TENSION OR COMPRESSION MEMBERS FOR THEIR FULL CAPACITY, UNLESS FACTORED CONNECTION LOADS ARE SHOWN.
- THE MINIMUM WELD SIZE SHALL BE A 5 mm FILLET WELD, AND WHERE INTERMITTENT, 40 mm
- ARRANGE AND PAY FOR NON-DESTRUCTIVE TESTING OF ALL UNSPECIFIED SPLICES IN COLUMNS, BEAMS AND JOIST COMPONENTS. ALL CONNECTIONS AND DETAILS SHALL BE DESIGNED BY A QUALIFIED REGISTERED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NUNAVUT, WHOSE STAMP AND SIGNATURE SHALL BE ON THE SHOP DRAWINGS. AN EXCEPTION IS FOR MISCELLANEOUS STEEL ITEMS WHERE CONNECTIONS ARE DETAILED ON THESE DRAWINGS.
- 8. DESIGN AND PROVIDE BEARING PLATES FOR A MAXIMUM PRESSURE OF 3.5 MPa ON ENGINEERED MASONRY AND 10 MPg ON CONCRETE, BASED ON FACTORED LOADS USING LIMIT STATES DESIGN.
- 9. SEE GENERAL NOTES SECTION FOR SHOP DRAWING SUBMISSION REQUIREMENTS IN ADDITION TO

10. VISIT THE SITE TO CONFIRM CONDITIONS AFFECTING THE WORK.

1. MATERIALS: STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING CSA STANDARDS CAN/CSA G40.21 GRADE 350W FOR ALL WIDE FLANGE & HSS SECTIONS, ASTM A500 FOR HSS, 300W FOR ALL OTHER MATERIALS. FOR EXISTING STEEL ON SITE THAT IS BEING MODIFIED OR CONNECTED TO NEW WORK, BASE CONNECTION DESIGNS ON EXISTING GRADES OF CSA G40.21 GRADE 300 W MATERIAL, UNLESS OTHERWISE NOTED.

STEEL JOISTS: COLD FORMED SHAPES: HIGH STRENGTH BOLTS: ANCHOR RODS:

CAN/CSA G40.21 Grade 300W and CAN/CSA_S136. CAN/CSA S136, minimum thickness 1.2mm. to ASTM A325. to CAN/CSA Standard G40.21 Grade 300W to CAN/CSA Standard G40.21 Grade 300W.

COMMEDIAL STEEL (TYPE 2) CROSS RODS ASTM AS10

to CISC/CPMA specification 2_75. to CGSB 1_GP_181M. ZINC_RICH SHOP PRIMER PAINT: to CSA G164 minimum 610 g/m2 coating thickness. HOT DIP GALVANIZING: STEEL BARS TO ASTM A1011/A1011M STEEL GRATING:

TIE RODS:

STOVER GRADE C AUTOMATION LOCKNUTS WHERE LOCKNUTS SPECIFIED, OTHERWISE ASTM A325.

- 2. FABRICATION SHALL CONFORM TO CSA STANDARDS CSA-S16, W59 AND W55.3. 3. ALL STEEL TO BE CLEANED AND SHOP PRIMED UNLESS NOTED. OMIT PRIMER WHERE SURFACES ARE TO BE COVERED WITH A SPRAYED ON FIRE PROOFING PRODUCT, OR WHERE SURFACES ARE TO BE FIELD WELDED, OR ENCASED IN CONCRETE.
- 4. SHELF ANGLES, HANGERS AND LINTELS IN EXTERIOR WALLS AND EXPOSED EXTERIOR STEEL MEMBERS SHALL BE COMMERCIAL BLAST (MECHANICALLY) CLEANED TO SSPC-SP6. ALL 'MILL COATINGS" MUST BE REMOVED BY THE STEEL FABRICATOR. FOR EXTERIOR AND EXPOSED EXTERIOR STEEL THE FINISH IS TO BE HOT DIPPED GALVANIZED. FOR INTERIOR STEEL THE FINISH IS AS PER THE ARCHITECTURAL REQUIREMENTS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR SURFACE PREPARATION OF GALVANIZED MATERIALS PRIOR TO APPLICATION OF FINISHED PAINTING.

EXECUTION

- 1. STORE MATERIALS TO PREVENT DAMAGE AND DISTORTION.
- 2. CHECK SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF STEEL ERECTION, TO ENSURE THAT SUPPORTING CONDITIONS ARE WITHIN SATISFACTORY TOLERANCES (BASE PLATE AND ANCHOR ROD POSITIONS). BRING ALL NON-CONFORMING CONDITIONS TO THE ATTENTION OF THE GENERAL CONTRACTOR FOR RECTIFICATION.
- 3. ERECTION SHALL BE CARRIED OUT BY FORCES OF THE STEEL FABRICATOR. PROVIDE ALL TEMPORARY BRACING TO KEEP THE STRUCTURE STABLE UNTIL THE ENTIRE STRUCTURE IS COMPLETE. PROTECT ALL EXISTING BUILDING COMPONENTS FROM DAMAGE. MAINTAIN SAFE
- 4. WHERE MISCELLANEOUS STEEL ITEMS ARE INSTALLED BY OTHERS, SUCH AS BENCH BRACKETS, RAILINGS, STAIRS, PROVIDE ERECTION AND COORDINATION DRAWINGS TO OTHERS IN SUFFICIENT TIME TO ALLOW SETTING OF HARDWARE.
- 5. PROVIDE CONTINUOUS WELDING AT ARCHITECTURALLY EXPOSED JOINTS SUCH AS DOORJAMBS AND HEADS, AND GRIND SMOOTH. REFER ALSO TO ARCHITECTURAL REQUIREMENTS.
- 6. PROVIDE FRAMING FOR ALL OPENINGS IN METAL DECK GREATER THAN 450 MM SQUARE.
- 7. ANCHOR ROOF MEMBERS TO SUPPORTING WALL WITH MINIMUM TWO ANCHOR BOLTS 16 mm DIA. X 400 mm LONG + 50 mm END HOOKS, SET PLATE 25 mm BACK FROM EDGE OF WALL.
- 8. BASE PLATES SUPPORTED DIRECTLY ON GROUT ARE PREFERRED. LEVELING PLATES MAY BE USED, HOWEVER, LARGE LEVELING PLATES CAN ONLY BE USED WHERE THE FABRICATOR PROVIDES DETAILS TO ENSURE THAT THERE ARE NO VOIDS BENEATH THE PLATE, AND DETAILS HOW GAPS BETWEEN THE LEVELING PLATE AND BASE PLATE WILL BE ACCOUNTED FOR/REMEDIATED.
- 9. DO NOT MODIFY ANY MEMBERS IN THE FIELD UNLESS CHANGES ARE APPROVED BY THE ENGINEER. THE STEEL SUPPLIER IS TO ISSUE ENGINEERED SKETCHES AS REQUIRED.
- 10. WHERE STEEL GRATING IS REQUIRED, PROVIDE LOCAL BANDING IF BEARING BARS ARE NOTCHED OUT AROUND SUPPORTS AND WHERE BANDING IS CALLED FOR ON PLAN. FASTEN USING GRATEFAST LGF037 FASTENER (BY UNISTRUT), 3 PER SHEET AT EACH BEARING LOCATION, SCREW LENGTH TO SUIT GRATING DEPTH.
- 11. FIELD TOUCH UP ALL DAMAGED SURFACES AFTER ERECTION.
- 12. WHEN EVER ITEMS ARE TO BE HUNG FROM OWSJ OR TRUSSES, SECUREMENT SHALL BE FROM THE TOP CHORDS AT PANEL POINTS UNLESS OTHERWISE PERMITTED. ENSURE THAT HANGING LOADS HAVE BEEN ACCOUNTED FOR IN THE DESIGN ALLOWANCE. IF IN DOUBT, CONTACT THE ENGINEER

STRUCTURAL STEEL CONT'D.

- 13. INDEPENDENT INSPECTION AND TESTING: THE GENERAL CONTRACTOR IN CONSULTATION WITH THE CONSULTANTS WILL APPOINT AN INDEPENDENT INSPECTION AND TESTING AGENCY, CERTIFIED BY THE CANADIAN WELDING BUREAU TO CSA STANDARD W178_1973. THE COST OF INSPECTION SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR AND OWNER. WORK WILL BE INSPECTED IN THE SHOP AND WHEN ERECTED TO DETERMINE CONFORMANCE TO THE DRAWINGS AND SPECIFICATIONS. SEE ALSO THE GENERAL NOTES.
- 14. THE STEEL ERECTOR IS TO RECTIFY DEFICIENCIES NOTED IN ANY INSPECTION REPORTS AS SOON AS POSSIBLE AFTER NOTIFICATION, AND PRIOR TO THE COMMENCEMENT OF WORK OF OTHER TRADES, WHOSE WORK DEPENDS UPON THE INSTALLATION OF THE STRUCTURAL STEEL.
- 15. THE STEEL FABRICATOR IS TO PROVIDE THEIR OWN QUALITY CONTROL MEASURES AND NOT RELY SOLELY ON THE INDEPENDENT INSPECTION REPORTS PROVIDED BY THE OWNER AND GENERAL

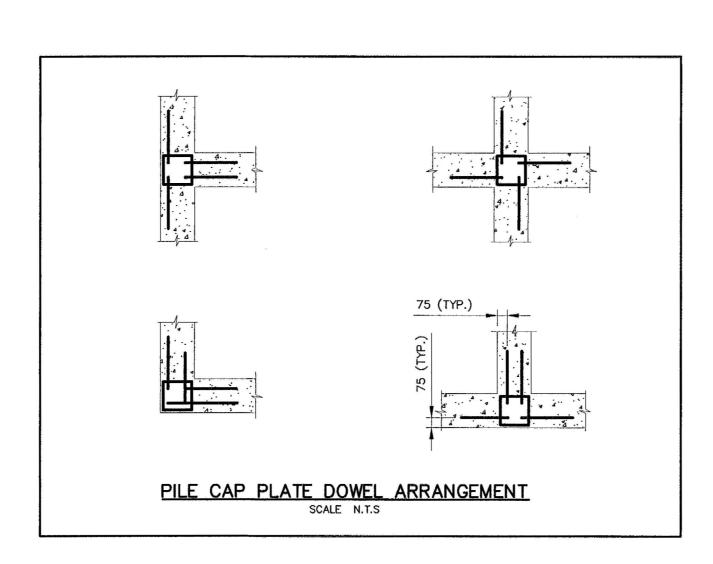
- 1. CONFORM TO THE GENERAL REQUIREMENTS AND SPECIAL CONDITIONS CONTAINED IN
- DIVISION 1 AND RELATED SECTIONS OF THE CONTRACT SPECIFICATIONS WHERE OTHERWISE NOT SHOWN ON THE PLANS, MINIMUM CONSTRUCTION IS TO BE IN ACCORDANCE WITH SECTION 9.23 OF THE NBCC FOR WOOD FRAME CONSTRUCTION.

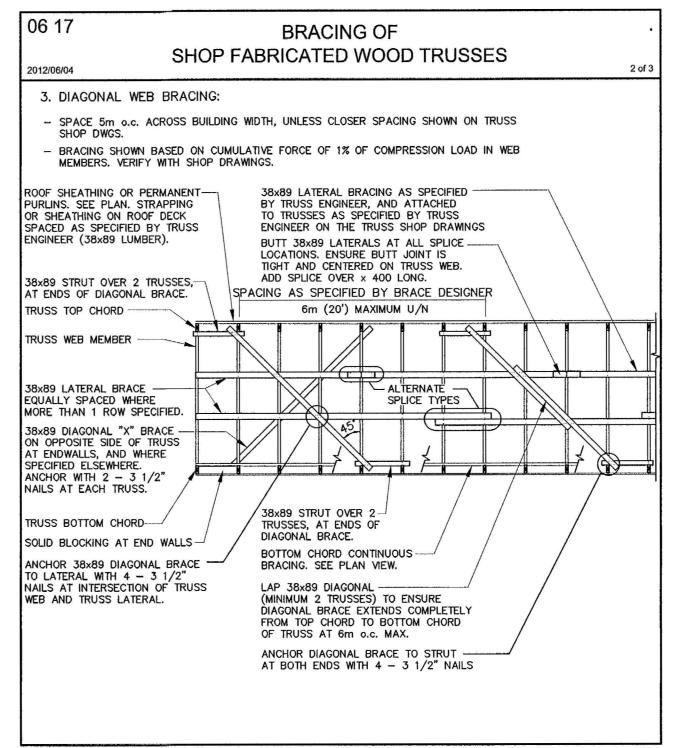
- ALL LUMBER TO BE SPF No. 1/2 UNLESS OTHERWISE NOTED LOAD BEARING COLUMNS OF 89X89 OR LARGER DIMENSION MUST BE SPF No. 1
- . ALL FRAMING LUMBER SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD GRADING RULES FOR CANADIAN LUMBER OF NATIONAL LUMBER GRADES AUTHORITY
- 4. PRE-ENGINEERED LUMBER INCLUDING WOOD I JOIST SYSTEM TO BE SUBMITTED FOR REVIEW PRIOR TO DELIVERY; ENSURE ALL DESIGNS ARE SEALED BY AN ENGINEER LICENSED IN NUNAVUT; MATERIAL TO BE WEYERHOUSE OR EQUIVALENT.

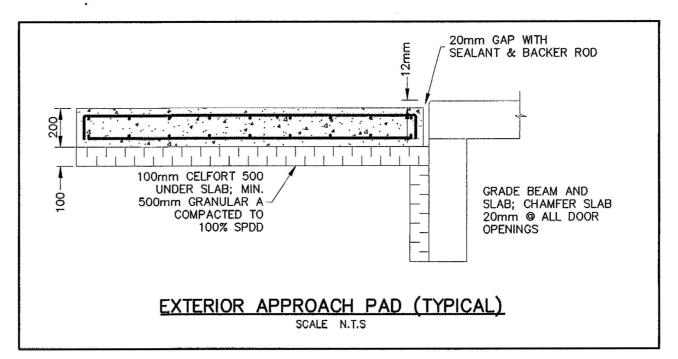
- ENGINEER TO UNDERTAKE A FRAMING REVIEW PRIOR TO ENCLOSING OF WALLS; NOTIFY
- ENGINEER AT START OF CONSTRUCTION AND SCHEDULE REVIEW APPROPRIATELY. PROVIDE NUMBER OF PLIES AS INDICATED ON DRAWINGS. PLIES OF BUILT UP BEAMS AND COLUMNS SHALL BE SECURED TOGETHER AS PER THE
- REQUIREMENTS OF 9.23 OF THE NBCC. 4. ALL WOOD EXPOSED TO SOIL, CONCRETE OR NOTED ON THE DRAWINGS AS 'PT' IS TO BE
- PRESSURE TREATED. CUT ENDS TO HAVE APPROVED TREATMENT PAINT APPLIED. ENSURE FASTENERS AND METAL CONNECTORS IN CONTACT WITH TREATED WOOD PRODUCTS ARE PROTECTED SUFICIENTLY TO RESIST THE CORROSIVE PROPERTIES OF THE PRESERVATIVE MATERIALS BEING USED. USE HOT DIP GALVANIZED (MINIMUM ZINC COATING OF 600 g/M2) OR STAINLESS STEEL (TYPES 304 OR 316) FASTENERS AND
- CONNECTORS IN THESE APPLICATIONS. 6. ALL PRE-ENGINEERED WOOD ROOF TRUSSES MUST BE DESIGNED FOR THE LOADS NOTED
- AS A MINIMUM. PROVIDE BRIDGING AND BRACING AS PER FINAL REVIEWED SHOP PROVIDE UPLIFT CLIPS OR APPROVED ANCHORAGE DEVICES AT THE SUPPORTING WALLS
- OF ALL TRUSSES, JOISTS, RAFTERS, ETC. THAT HAVE UPLIFT REACTIONS. 8. FRAMED WALLS SHALL BE ANCHORED TO THE FOUNDATION WITH A MINIMUM OF 12.7MM ANCHORS AT 1200MM C/C UNLESS OTHERWISE NOTED.

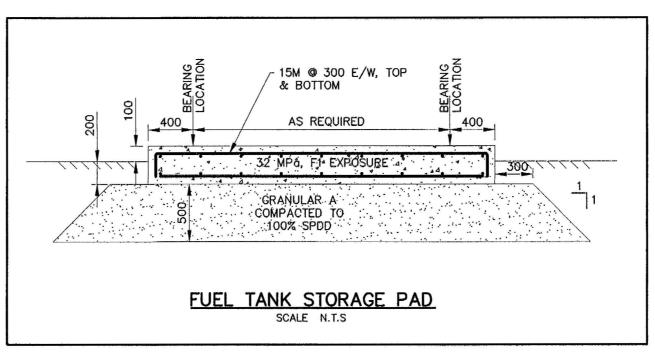
- 1. REFER TO DRAWINGS, FOUNDATION AND STRUCTURAL SLAB NOTES AND APPENDICED GEOTECHNICAL REPORT FOR RECOMMENDATIONS ON PILE INSTALLATION.
- 2. MATERIAL FOR PILES TO BE NEW HSS SHAPES CONFORMING TO
- CAN/CSA G400.21 GRADE 350 W (50ksi) MATERIAL. 3. PILE CAP STEEL PLATES TO BE IN ACCORDANCE WITH

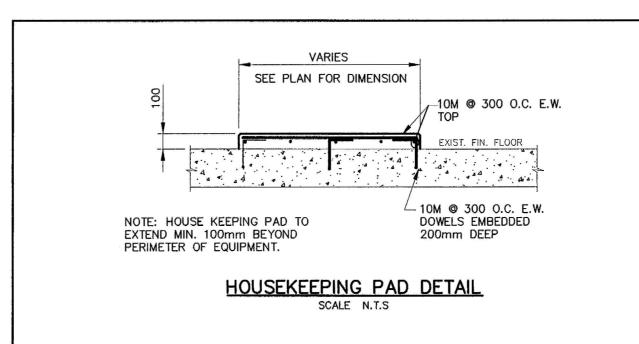
CAN/CSA - G40.21 GRADE 300 W (43ksi) MATERIAL

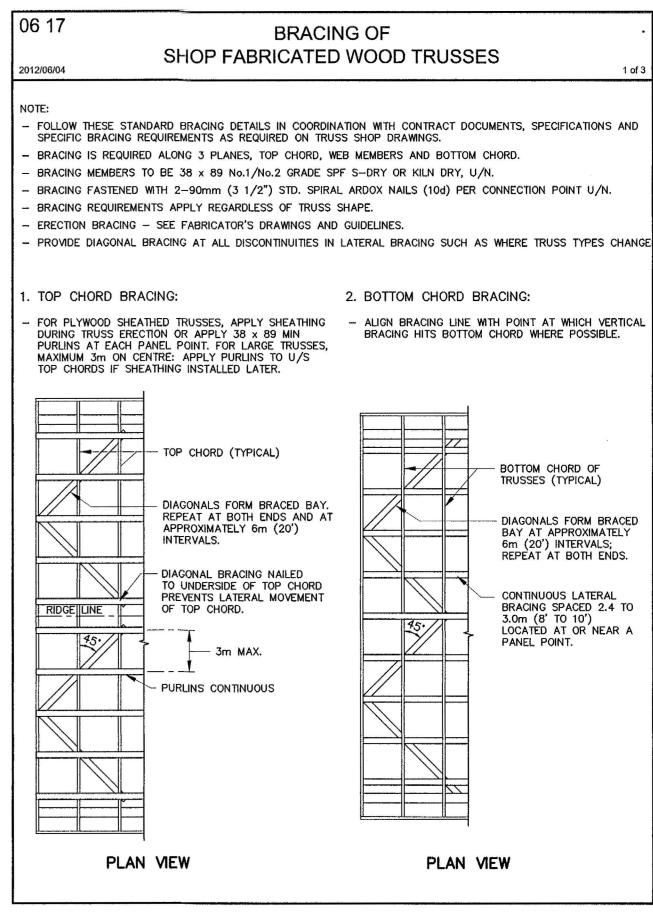


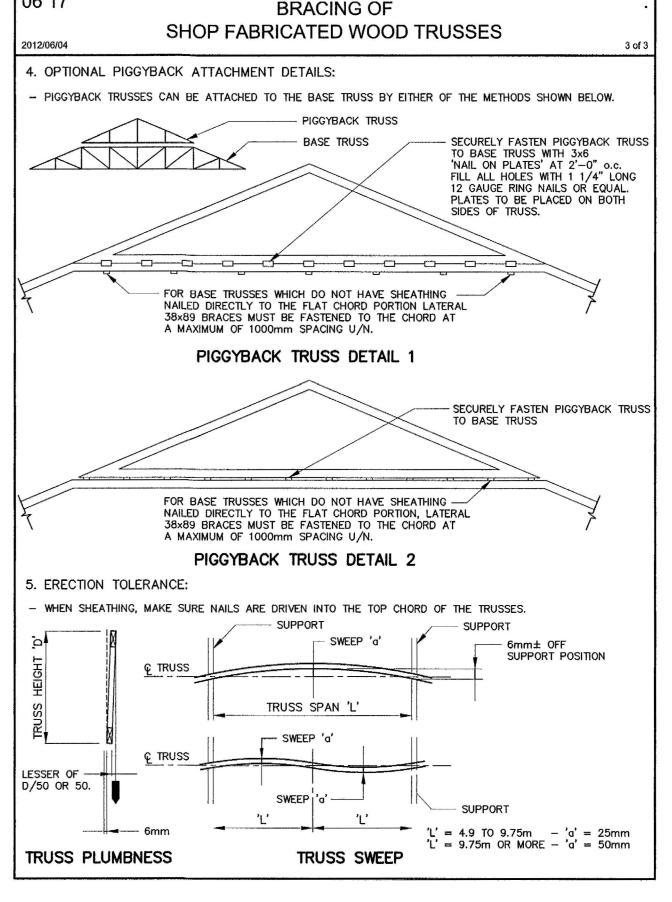












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GOVERNMENT OF NUNAVUT COMMUNITY & GOVERNMENT SERVICES

RANKIN INLET SEWAGE TREATMENT PLANT

STRUCTURAL GENERAL REQUIREMENTS CONT'D. AND TYPICAL DETAILS

Orawing No. W. WHITEDUCK C. JONES 300031281

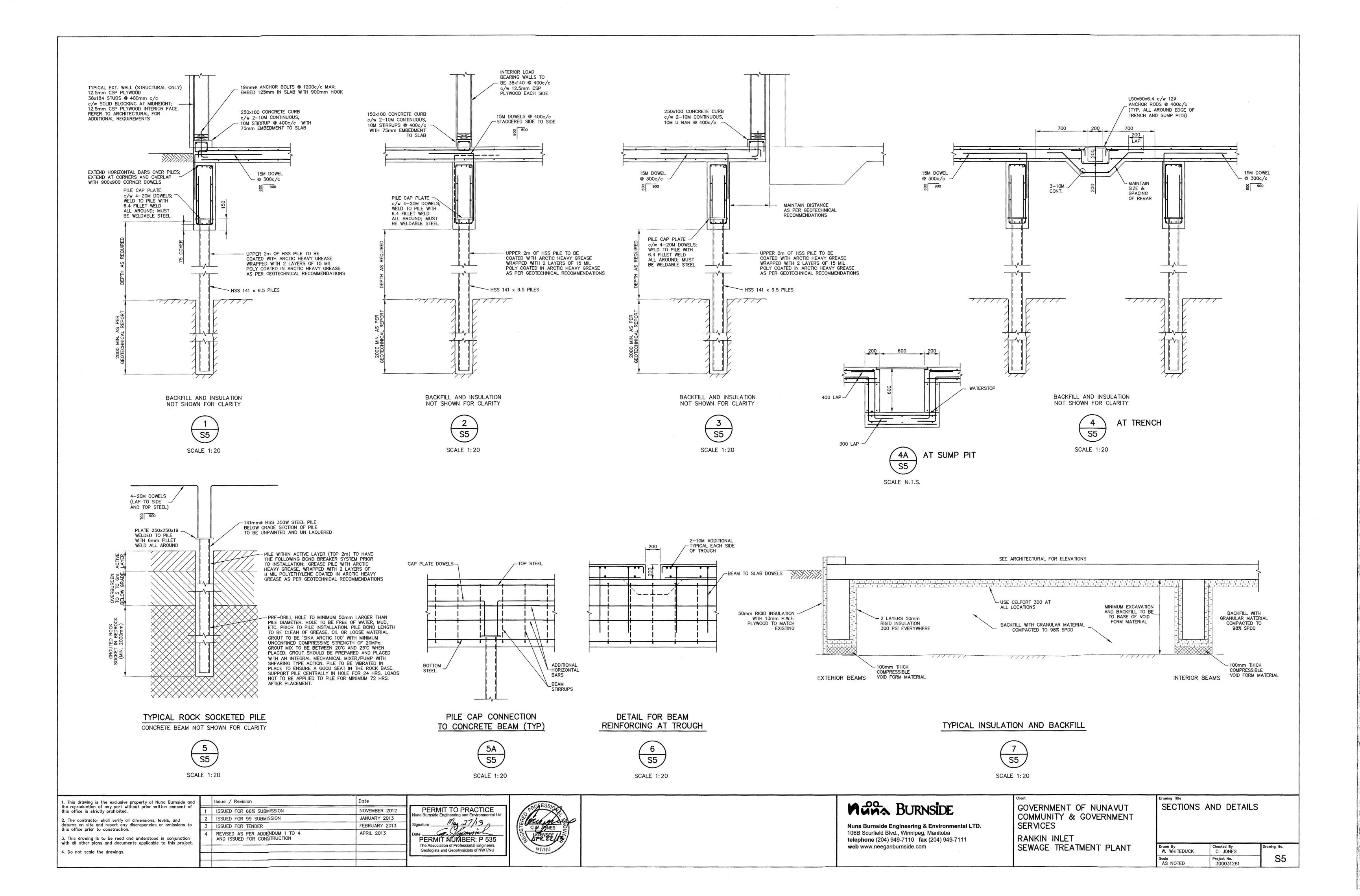
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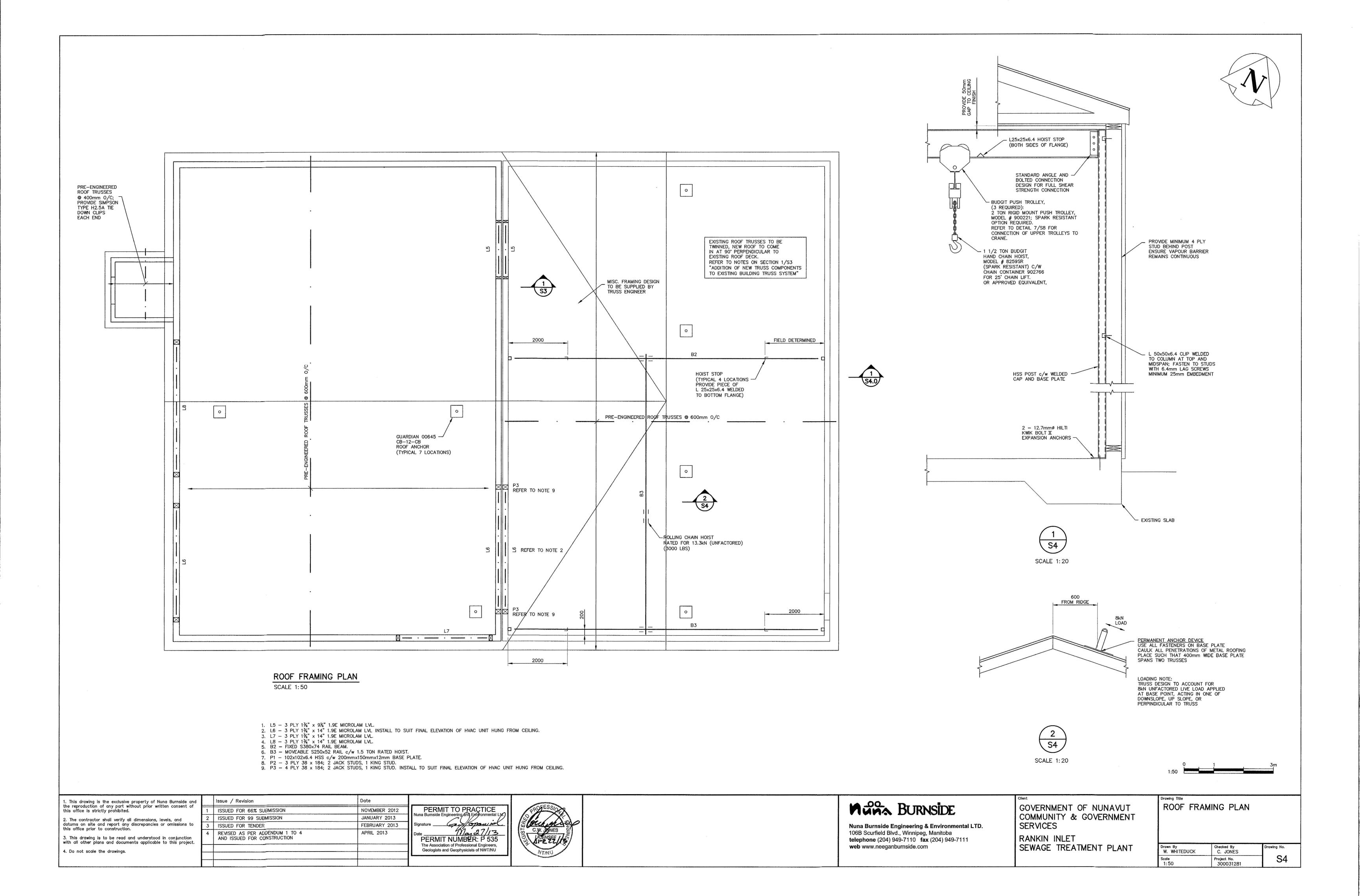
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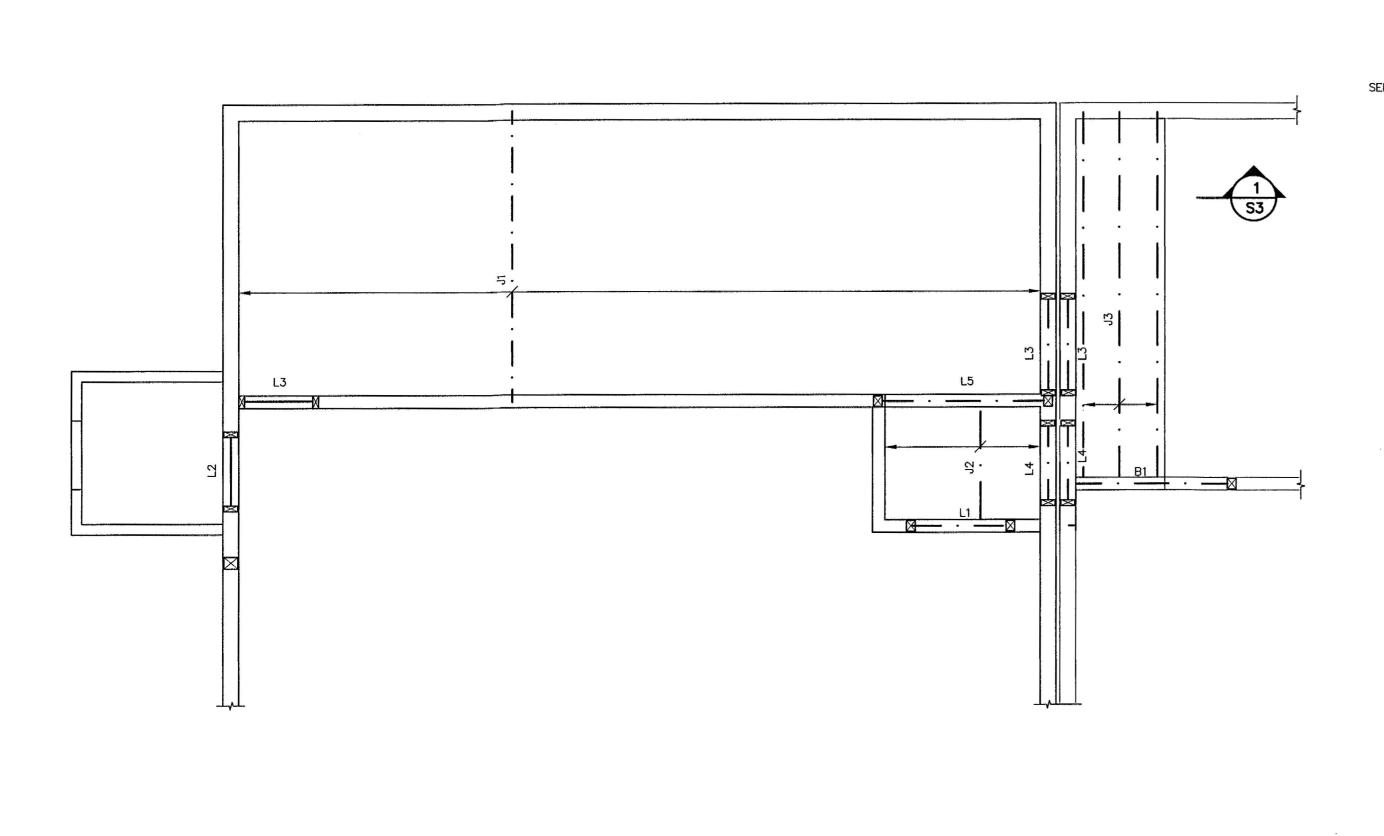
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Issue / Revision NOVEMBER 2012 ISSUED FOR 66% SUBMISSION ISSUED FOR 99 SUBMISSION JANUARY 2013 ISSUED FOR TENDER FEBRUARY 2013 REVISED AS PER ADDENDUM 1 TO 4 APRIL 2013 AND ISSUED FOR CONSTRUCTION

PERMIT TO PRACTICE PERMIT NUMBER: P 535 The Association of Professional Engineers Geologists and Geophysicists of NWT/NU







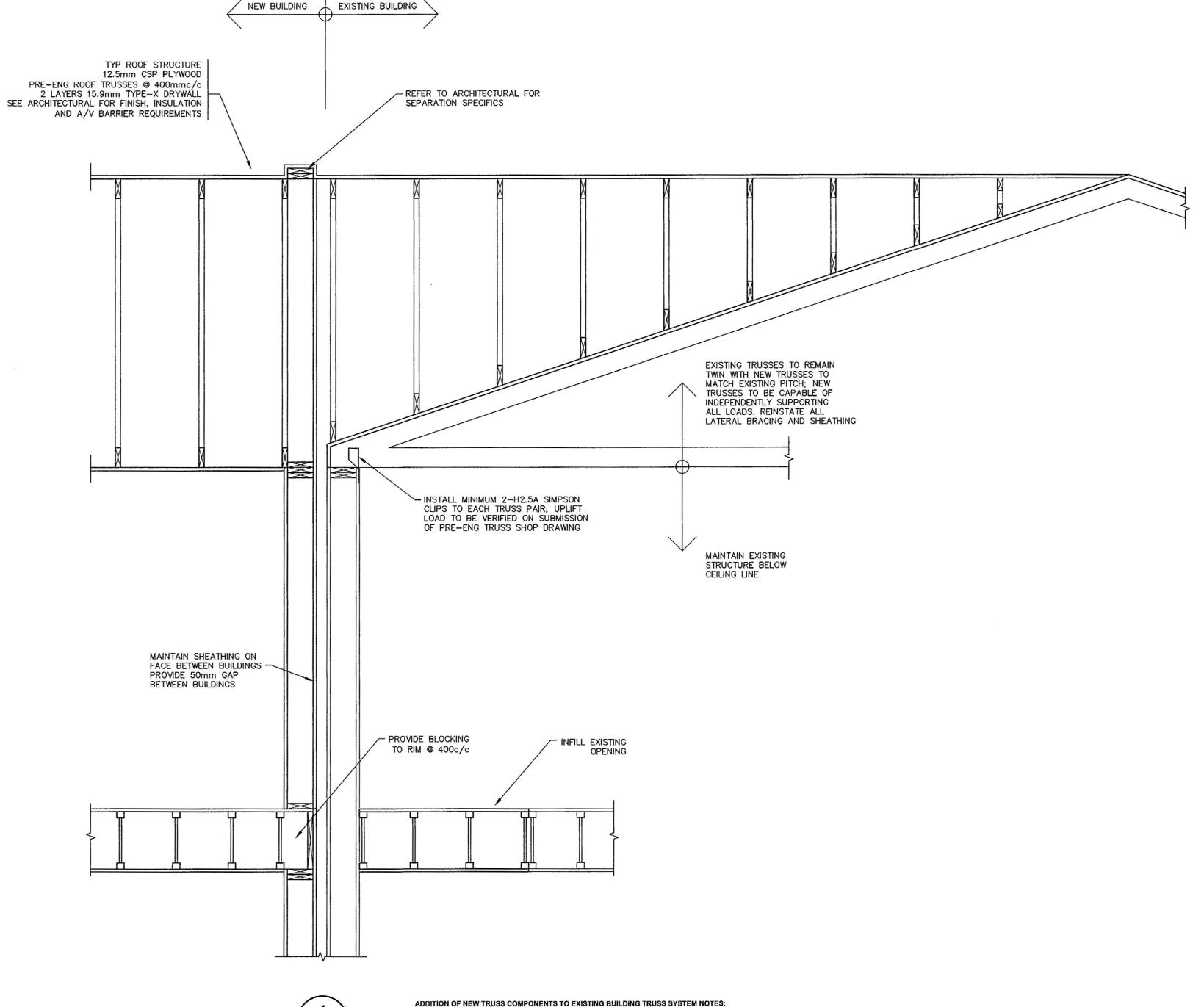
SECOND FLOOR FRAMING PLAN

SCALE 1:50

J1 - 406mm TJI 560 @ 400 c/c.
 J2 - 406mm TJI 560 @ 400 c/c.
 J3 - 406mm TJI 560 @ 400 c/c TO MATCH EXISTING.

4. L1 - 3 PLY 38 x 286. 5. L2 - 3 PLY 38 x 184. 6. L3 - 3 PLY 38 x 286. 7. L4 - 3 PLY 38 x 184.

8. L5 - 2 PLY 1-3/4" x 11% MICROLAM LVL. 9. B1 - 2 PLY 1-3/4" x 16" MICROLAM LVL.





SCALE 1:20

ADDITION OF NEW TRUSS COMPONENTS TO EXISTING BUILDING TRUSS SYSTEM NOTES:

THE CURRENT BUILDING HAS FIXTURES, PIPING AND OTHER MISCELLANEOUS ITEMS CURRENTLY INSTALLED ON THE CEILING STRUCTURE. WITH THE ALTERNATION TO THE ROOF LINE, THE EXISTING SYSTEM IS INSUFFICIENT FOR CURRENT DESIGN LOADS REQUIRED BY THE NATIONAL BUILDING CODE. THE FOLLOWING IS A SUGGESTED INSTALLATION PROCEDURE FOR ADDING NEW TRUSSES CAPABLE OF SUPPORTING ALL ROOF LOADS, AND MAINTAINING THE EXISTING CEILING STRUCTURE AND HANGING FIXTURES DURING CONSTRUCTION. CONTRACTOR TO SUBMIT PREFERRED CONSTRUCTION METHODOLOGY TO DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO

- 1. REMOVE ROOF SHEATHING AND FINISH OVER THE FIRST 2.4 M OF ROOF FROM THE NORTH EDGE, FULL WIDTH OF ROOF.
- 2, REMOVE INSULATION IN UNCOVERED AREA.
- 3. REMOVE ANY LATERAL BRACING FROM TRUSS COMPONENTS; PROVIDE TEMPORARY LATERAL BRACING TO TRUSSES AS NECESSARY TO PREVENT FALLING OUT OF PLANE.
- 4. PLACE A NEW TRUSS, DESIGNED TO SUPPORT ALL ROOF AND CEILING LOADS BASED ON 400 MM C/C SPACING BESIDE EACH EXISTING TRUSS. NEW TRUSSES MUST MATCH EXISTING TRUSS GEOMETRY (OUTSIDE DIMENSIONS AND SLOPES).
- 5. CONNECT TRUSSES TOGETHER WITH 2 90 MM LONG NAILS @ 300 MM C/C ALONG TRUSS BOTTOM CHORD ONLY; ON TOP CHORD, INSTALL 3 3 MM THICK BENT PLATES OVER TOP CHORDS. NAIL TO NEW TRUSS ONLY. BENT PLAT TO MEASURE 100 x 80 x 100 x 150 LONG.
- 6. REPLACE BRACING ON EXISTING TRUSSES.
- 7. PLACE NECESSARY BRACING ON NEW TRUSSES AS PER PRE-ENGINEERED TRUSS DESIGN.
- 8. PLACE NEW ROOF SHEATHING IN ALTERNATING 1,200 AND 2,400 MM LENGTHS ON ROOF TO ENSURE STAGGERED PANEL JOINTS.
- 9. MOVE TO THE SOUTH AND REMOVE ANOTHER 2,400 MM WIDE STRIP OF SHEATHING AND REPEAT FROM STEP 1.

AT COMPLETION OF PLACEMENT OF TRUSSES AND RE-SHEATHING, INSTALL INSULATION AS REQUIRED.

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2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.

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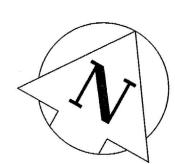
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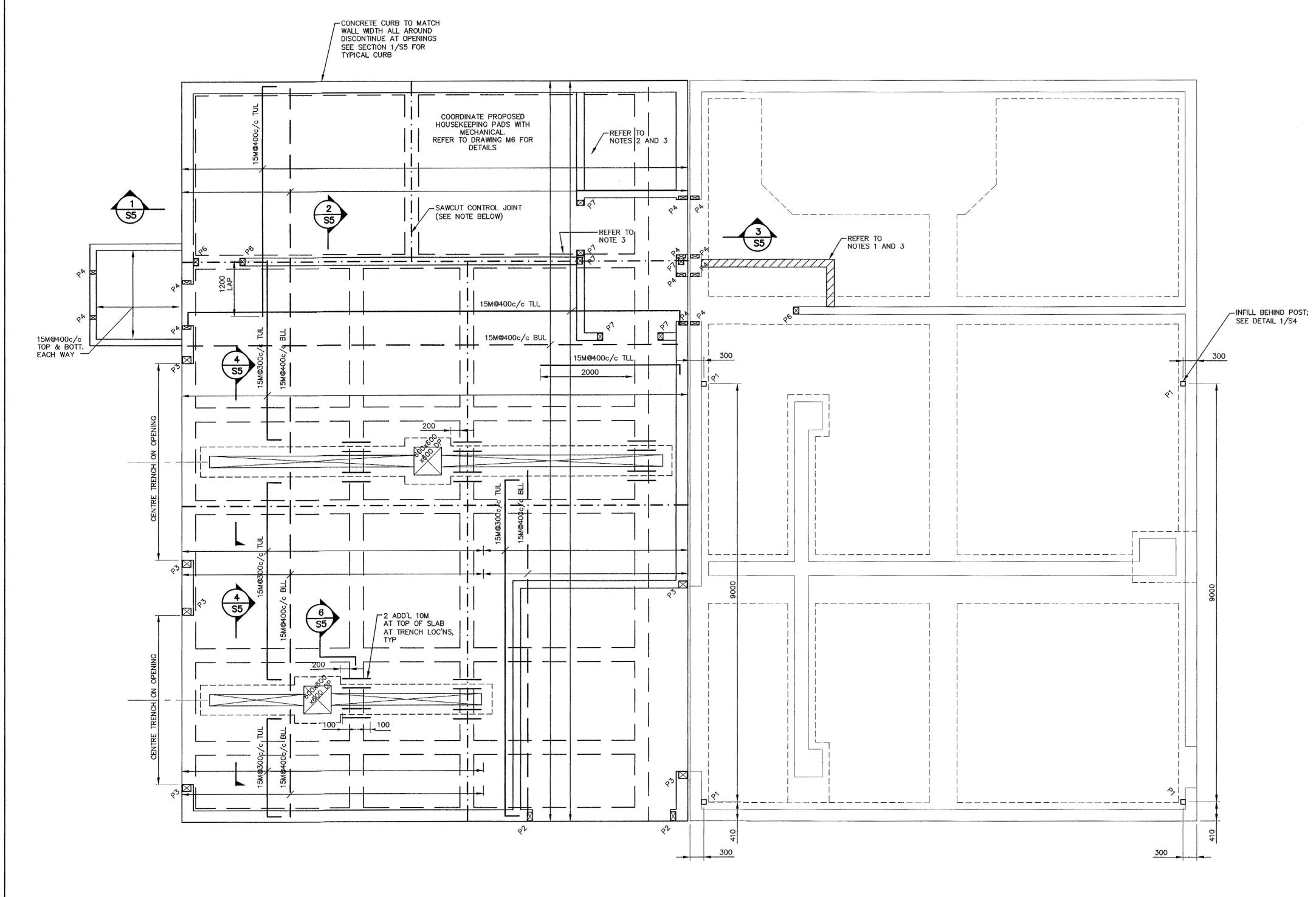
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SEWAGE TREATMENT PLANT

SECOND	FLOOR	FRAMING	PLAN

Drawn By W. WHITEDUCK	Checked By C. JONES	Drawing No.
Scale AS NOTED	Project No. 300031281	S3





NOTES:

- NEW PARTITION
- 2. NEW 100 HIGH CONTAINMENT CURB
- PROVIDE CONCRETE CURBING FOR ALL INTERIOR WALLS (SEE SECTION & DETAIL S-5)

SLAB ON GRADE PLAN

SCALE 1:50

- P1 102x102x6.4 HSS c/w 200mmx150mmx12mm BASE PLATE.
 P2 3 PLY 38 x 184; 2 JACK STUDS, 1 KING STUD.
 P3 4 PLY 38 x 184; 2 JACK STUDS, 1 KING STUD.
 P4 2 PLY 38 x 184; 1 JACK STUD, 1 KING STUD.
 P5 5 PLY 38 x 184; EXTEND OUTSIDE STUDS TO TOP PLATE.
 P6 3 PLY 38 x 140; 2 JACK STUDS, 1 KING STUD.
 P7 3 PLY 38 x 140; 2 JACK STUDS, 1 KING STUD.

NOTE: 1. PROVIDE CONCRETE CURB UNDER ALL INTERIOR AND EXTERIOR WALLS

2. LOCATIONS OF SLAB SAWCUTS AS CONTROL JOINTS TO BE CONFIRMED BY DESIGN ENGINEER ONCE CONSTRUCTION SEQUENCE RECEIVED FROM CONTRACTOR

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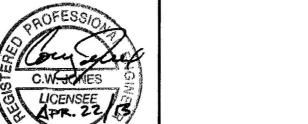
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of	1	ISSUED FOR 66% SUBMISSION	NOVEMBER 2012
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to	3	ISSUED FOR TENDER	FEBRUARY 2013
n et.	4	REVISED AS PER ADDENDUM 1 TO 4 AND ISSUED FOR CONSTRUCTION	APRIL 2013

Issue / Revision

PERMIT TO PRACTICE PERMIT NUMBER: P 535 The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU



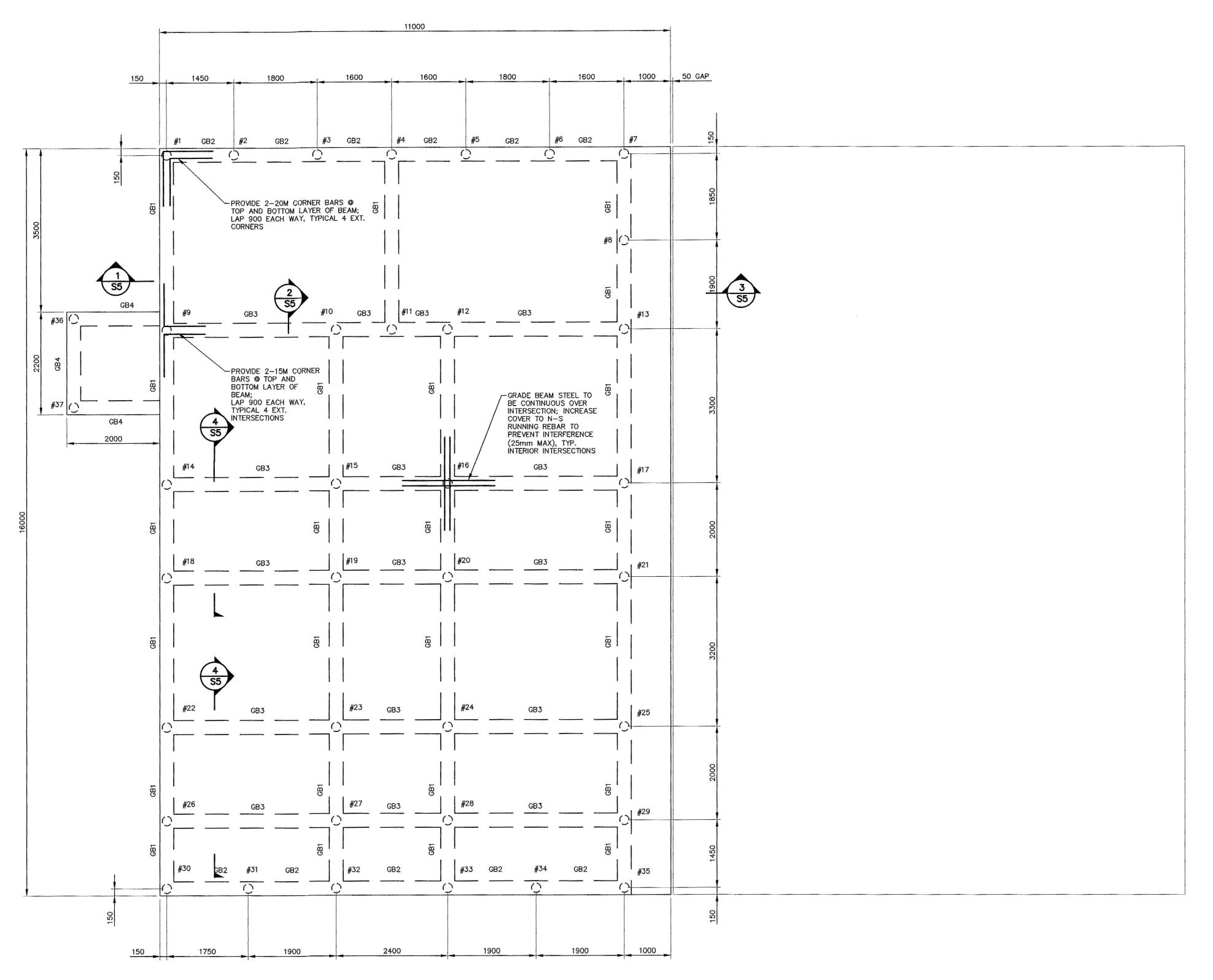
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Drawing Title			, , , , , , , , , , , , , , , , , , , ,
SLAB	ON	GRADE	PLAN

W. WHITEDUCK	Checked By C. JONES	Drawing No.	
Scale 1: 50	Project No. 300031281	S2	

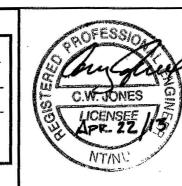


FOUNDATION PLAN

SCALE 1:50

NOTE: DIMENSIONS SHOWN TO CENTRE LINE OF PILES

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GOVERNMENT OF NUNAVUT COMMUNITY & GOVERNMENT SERVICES
RANKIN INLET SEWAGE TREATMENT PLANT

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Drawn By W. WHITEDUCK	Checked By C. JONES	Drawing No.
Scale 1:50	Project No. 300031281	S1

GRADE BEAM SCHEDULE MARK **WIDTH** DEPTH REINFORCING REMARKS 10M STIRR. @ 300c/c + 2-15 HEF 300 900 GB1 10M STIRR. @ 250c/c +2-15 HEF GB2 300 10M STIRR. @ 250c/c +2-15 HEF 300 900 GB3 10M STIRR. @ 300c/c + 2-15 HEF GB4 900

PILE SCHEDULE							
MARK	SIZE	LLuf (kN)	DLuf (kN)	MAX. FREESTANDING LENGTH (m)	REMARKS		
#1	HSS 141 x 6.4	41.3	56.2	6m	CLASS H, 350W		
#2 HSS 141 × 6.4		87.9	63.0	6m	CLASS H, 350W		
#3	HSS 141 x 6.4	87.9	63.0	6m	CLASS H, 350W		
#4	HSS 141 x 6.4	82.7	70.8	6m	CLASS H, 350W		
#5	HSS 141 x 6.4	87.9	63.0	6m	CLASS H, 350W		
#6	HSS 141 x 6.4	87.9	63.0	6m	CLASS H, 350W		
#7	HSS 141 x 6.4	93.0	87.5	6m	CLASS H, 350W		
#8	HSS 141 x 6.4	29.5	54.9	6m	CLASS H, 350W		
#9	HSS 141 x 6.4	64.4	125.0	6m	CLASS H, 350W		
#10	HSS 141 x 6.4	77.6	106.4	6m	CLASS H, 350W		
#11	HSS 141 x 6.4	32.3	53.2	6m	CLASS H, 350W		
#12	HSS 141 x 6.4	77.6	106.4	6m	CLASS H, 350W		
#13	HSS 141 x 6.4	53.0	102.9	6m	CLASS H, 350W		
#14	HSS 141 x 6.4	61.4	69.8	6m	CLASS H, 350W		
#15	HSS 141 x 6.4	96.7	71.5	6m	CLASS H, 350W		
#16	HSS 141 x 6.4	96.7	71.5	6m	CLASS H, 350W		
#17	HSS 141 x 6.4	92.6	82.3	6m	CLASS H, 350W		
#18	HSS 141 x 6.4	61.4	69.8	6m	CLASS H, 350W		
#19	HSS 141 x 6.4	96.7	71.5	6m	CLASS H, 350W		
#20	HSS 141 x 6.4	96.7	71.5	6m	CLASS H, 350W		
#21	HSS 141 x 6.4	92.6	82.3	6m	CLASS H, 350W		
#22	HSS 141 x 6.4	61.4	69.8	6m	CLASS H, 350W		
#23	HSS 141 x 6.4	96.7	71.5	6m	CLASS H, 350W		
#24	HSS 141 x 6.4	96.7	71.5	6m	CLASS H, 350W		
#25	HSS 141 x 6.4	92.6	82.3	6m	CLASS H, 350W		
#26	HSS 141 x 6.4	42.5	26.0	6m	CLASS H, 350W		
#27	HSS 141 x 6.4	67.0	55.0	6m	CLASS H, 350W		
#28	HSS 141 x 6.4	67.0	55.0	6m	CLASS H, 350W		
#29	HSS 141 x 6.4	64.1	60.3	6m	CLASS H, 350W		
#30	HSS 141 x 6.4	40.0	36.4	6m	CLASS H, 350W		
#31	HSS 141 x 6.4	24.4	34.4	6m	CLASS H, 350W		
#32	HSS 141 x 6.4	90.5	58.3	6m	CLASS H, 350W		
#33	HSS 141 x 6.4	90.5	58.3	6m	CLASS H, 350W		
#34	HSS 141 x 6.4	24.4	34.4	6m	CLASS H, 350W		
#35	HSS 141 x 6.4	82.1	63.5	6m	CLASS H, 350W		
#36	HSS 141 x 6.4	21.3	61.1	6m	CLASS H, 350W		
#37	HSS 141 x 6.4	21.3	61.1	6m	CLASS H, 350W		

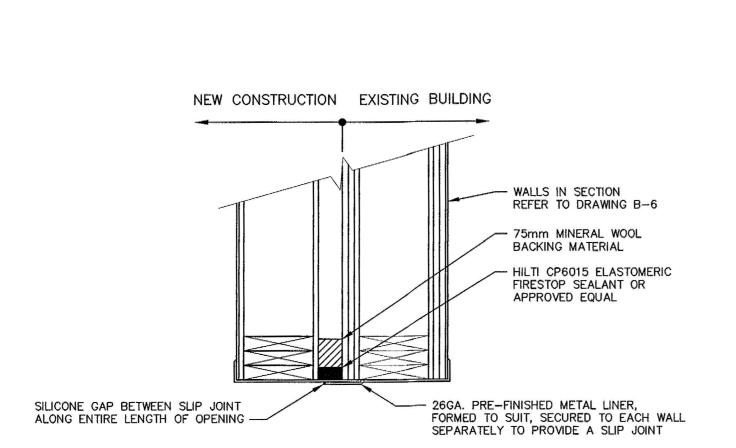
TYPE	DOOR SIZE	MATERIAL	FINISH	RATING (HOURS)	REMARKS ***ALL DOOR SWINGS AS SHOWN ON FLOOR PLAN B-2***	FRAME	HARDWARE CODES
D100	914 x 2130 x 45	METAL, INSULATED	PAINTED	-	STEEL STIFFENED	INSULATED PRESSED STEEL	A, B, C, D, F, G J, K, L, M,
D200	914 x 2130 x 45	METAL, INSULATED	PAINTED	1.5	STEEL STIFFENED, 1/4 LITE WIRED GLASS	INSULATED PRESSED STEEL	A, B, C, D, F, G, I, J, K, L,
D300	1219 x 2130 x 45	METAL	PAINTED	45 MIN.	LEVER HANDLE LOCK SET	HOLLOW PRESSED STEEL	A, B, C, D, F, G, I, J
D400	914 × 2130 × 45	METAL	PAINTED	_	1/2 LITE WIRED GLASS	HOLLOW PRESSED STEEL	A, B, C, D, F, G I, J,
D500	914 x 2130 x 45	METAL	PAINTED	45 MIN.	LEVER HANDLE LOCK SET	HOLLOW PRESSED STEEL	A, B, C, E, J,
-D600	914 x 2130 x 45	METAL, INSULATED	PAINTED	1.5	LEVER HANDLE LOCK SET	INSULATED PRESSED STEEL	A, B, C, E, I, J,
D700	1067 x 2130 x 45	METAL, INSULATED	PAINTED	1.5	STEEL STIFFENED	INSULATED PRESSED STEEL	A, B, C, D, F, G, J
D800	4200 x 3600	INSULATED METAL	MANUFACTURERS APPLIED FINISH COATING	_	INSULATED OVERHEAD DOOR CHAIN HOIST REFER TO SPECIFICATIONS	HOLLOW PRESSED STEEL	K, M, REFER TO SPECIFICATIONS
D900	3600 x 3600	INSULATED METAL	MANUFACTURERS APPLIED FINISH COATING	_	INSULATED OVERHEAD DOOR CHAIN HOIST REFER TO SPECIFICATIONS	HOLLOW PRESSED STEEL	K, M, REFER TO SPECIFICATIONS
D1000	3000 × 3600	INSULATED METAL	MANUFACTURERS APPLIED FINISH COATING	-	INSULATED OVERHEAD DOOR CHAIN HOIST REFER TO SPECIFICATIONS	HOLLOW PRESSED STEEL	K, M, REFER TO SPECIFICATIONS

L. THRESHOLD

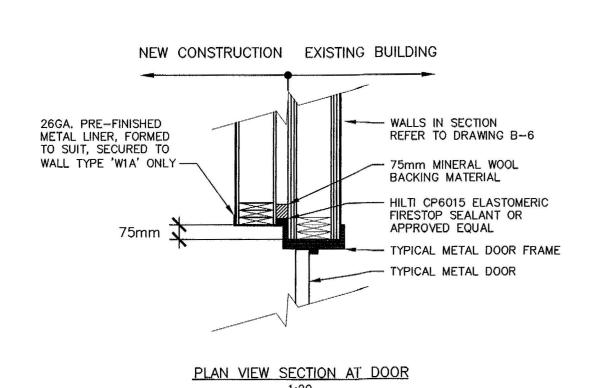
N. KEY ACCESS FROM EXIT

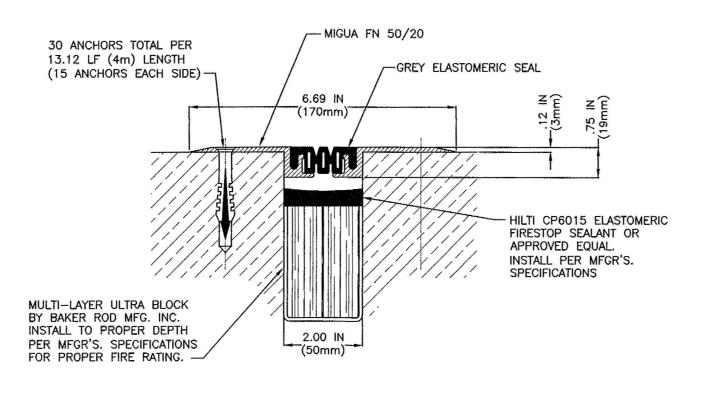
O. WASHROOM SET (PRIVATE)

M. SWEEP



DEMISING WALL METAL CAP DETAIL - SECTION AT GAP OPENING





B. DOOR CLOSER

E. PASSAGE SET

D. DEADBOLT

C. SELF-LATCHING HARDWARE

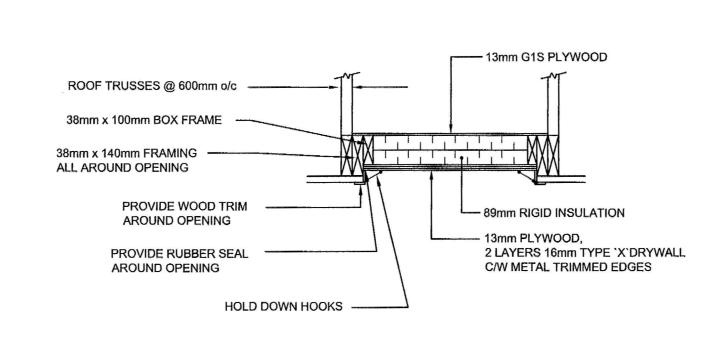
G. PUSH/PULL

I. KICK PLATE

J. DOOR STOP

H. BARRIER FREE HARDWARE

SECTION AT FLOOR GAP OPENING DETAIL — BUILDING GAP FILLER
NOT TO SCALE



Q. UNIVERSAL BARRIER FREE SIGNAGE

R. POWER DOOR OPERATOR

DETAIL — ATTIC HATCH

WALL SCHEDULE EXTERIOR WALL (WEST) • 26 ga. PRE-FINISHED METAL LINER (INTERIOR) 13mm PLYWOOD SHEATHING 6 MIL POLY VAPOUR BARRIER 38x184 WOOD STUDS AT 406mm O/C, C/W SOLID BLOCKING MID HEIGHT R28 FIBREGLASS BATT INSULATION 13mm CSP EXTERIOR GRADE SHEATHING TYVEK AIR BARRIER 26 ga. METAL SIDING TO MATCH EXISTING (EXTERIOR) W1A 26 ga. PRE-FINISHED METAL LINER (INTERIOR) 13mm PLYWOOD SHEATHING 6 MIL POLY VAPOUR BARRIER 38x184 WOOD STUDS AT 406mm O/C, C/W SOLID BLOCKING MID HEIGHT R28 FIBREGLASS BATT INSULATION 13mm CSP EXTERIOR GRADE SHEATHING TYVEK AIR BARRIER NEW FIRE RATED WALL (1.5 HOUR) CONSTRUCTION ON EXISTING BUILDING WALL: SEE NOTES ON DWG. B-6 FOR FURTHER INSTALLATION DETAILS ADD 26 ga. PRE-FINISHED METAL LINER (INTERIOR) TO MATCH EXISTING ADD TWO LAYERS OF 16mm TYPE 'X' DRYWALL EXISTING 13mm SPRUCE PLYWOOD EXISTING 6 MIL POLY VAPOUR BARRIER EXISTING 38x184 WOOD STUDS EXISTING R28 FIBREGLASS BATT INSULATION EXISTING 13mm SPRUCE PLYWOOD ADD TWO LAYERS OF 16mm DENSGLASS FIREGUARD SHEATHING INTERIOR PARTITION WALL (1HR. FIRE RATING) 26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE) 16mm TYPE 'X' DRYWALL 38mm x 140mm WOOD STUDS @ 406mm o/c 16mm TYPE 'X' DRYWALL 26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE) W3 INTERIOR PARTITION WALL (1.5 HR. FIRE RATING) • 26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE) 2 LAYERS OF16mm TYPE 'X' DRYWALL 13mm PLYWOOD SHEATHING 38mm x 140mm WOOD STUDS @ 406mm o/c R20 FIBREGLASS BATT INSULATION 13mm PLYWOOD SHEATHING 2 LAYERS OF 16mm TYPE 'X' DRYWALL • 26 ga. PRE—FINISHED LINER PANEL (COLOR: POLAR WHITE) INTERIOR PARTITION WALL (1HR. FIRE RATING) EXISTING WALL TO BE UPGRADED 16mm TYPE 'X' DRYWALL 38mm x 140mm WOOD STUDS @ 406mm o/c (EXISTING FRAMING) 16mm TYPE 'X' DRYWALL 26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)

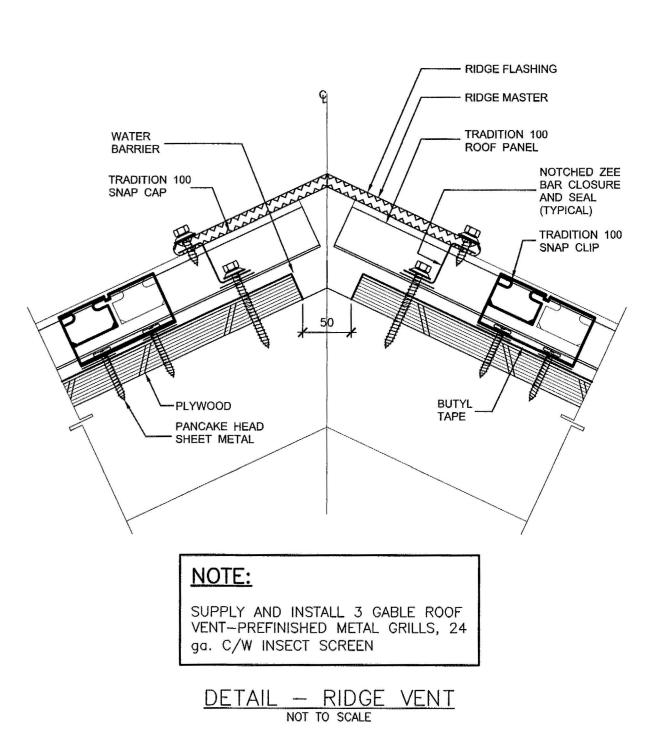
EXISTING INTERIOR PARTITION WALL (REINSTATE AS REQUIRED) EXISTING INTERIOR PARTITION WALL (REINSTATE AS REQUIRED)
 26 ga. PRE—FINISHED LINER PANEL (COLOR: POLAR WHITE)

26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)

38mm x 89mm WOOD STUDS @ 406mm o/c

16mm DRYWALL

16mm DRYWALL



Nuns	BURNSIDE
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GOVERNMENT OF NUNAVUT COMMUNITY & GOVERNMENT **SERVICES** RANKIN INLET

SEWAGE TREATMENT PLANT

DOOR SCHEDULE, WALL SCHEDULE AND BUILDING DETAILS

Drawn By J. JUACALLA	Checked By G. POPOWICH	Drawing No.
Scale AS NOTED	Project No. 300031281	B-7

DETAIL	_	COMMON	WALL	AND	DOOR	OPENING	DETAILS
				E AS NOT		1 / At minimum	y - 22 - 121 - 122 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 - 123 -

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2. The contractor shall verify all dimensions, levels, and

4. Do not scale the drawings.

datums on site and report any discrepancies or omissions to this office prior to construction.

This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.

	Issue / Revision	Date	
_	ISSUED FOR CLIENT REVIEW	OCTOBER 2012	PERMIT TO PRACTICE
_	ISSUED FOR 66% SUBMISSION	NOVEMBER 2012	Nuna Burnside Engineering and Environmental Ltd.
	ISSUED FOR 99% SUDMISSION	JANUARY 2013	Signature
	ISSUED FOR TENDER	FEBRUARY 2013	Date May 27/13
	REVISED AS PER ADDENDUM 1 TO 4 AND ISSUED FOR CONSTRUCTION	APRIL 2013	PERMIT NUMBER: P 535 The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU



