DESIGN NOTES

GENERAL

1. ALL CODES REFERENCED ARE TO BE THE LATEST VERSION AT THE DATE OF ISSUE.
2. DESIGN IS BASED ON THE NATIONAL BUILDING CODE 2015.
3. READ THESE DESIGN NOTES IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS.
4. OBTAIN DEPARTMENTAL REPRESENTATIVE APPROVAL BEFORE CUTTING, BORING, OR SLEEVING LOAD-BEARING MEMBERS UNLESS NOTED OTHERWISE.
5. THE STRUCTURAL DRAWINGS ARE FOR THE COMPLETED PROJECT. STABILITY OF THE EXISTING AND NEW STRUCTURE DURING CONSTRUCTION REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.
6. REFER TO ARCHITECTURAL BASEMENT DEMOLITION PLAN - A2.212.
7. REFER TO ARCHITECTURAL DRAWINGS FOR SMALL OPENINGS. AND SLOPES NOT INDICATED ON THE STRUCTURAL DRAWINGS.
8. OPENINGS AND SLEEVES INDICATED ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE ALL OPENING LOCATIONS AND DIMENSIONS WITH THE APPROPRIATE DEPARTMENTAL REPRESENTATIVE AND THE TRADE CONTRACTOR PRIOR TO CONSTRUCTION.
9. REVIEW ALL DRAWINGS AND CHECK DIMENSIONS PRIOR TO IMPLEMENTING THE WORK. REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION BEFORE PROCEEDING.
10. COORDINATE PLACEMENT AND LOCATION OF ITEMS BY SUBSEQUENT TRADES. RELEVANT TRADES SHALL REVIEW PRIOR TO ERECTION AND/OR INSTALLATION.
11. NOTIFY THE DEPARTMENTAL REPRESENTATIVE A MINIMUM OF 5 BUSINESS DAYS PRIOR TO ANY REQUIRED SITE REVIEWS.

EXISTING STRUCTURES

1. THE STRUCTURAL DESIGN IS BASED ON INFORMATION GATHERED FROM THE EXISTING DRAWINGS AND FROM LIMITED VISUAL OBSERVATIONS ON SITE.
2. VERIFY ALL EXISTING DIMENSIONS, CONDITIONS AND MEMBER SIZE ON SITE PRIOR TO IMPLEMENTING AFFECTED WORK.
3. NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ANY SITE CONDITIONS THAT DIFFER FROM THE CONTRACT DOCUMENTS. SHORE AND UNDERPIN EXCAVATIONS AS REQUIRED TO PREVENT DISTURBANCE TO ADJACENT STRUCTURES, STREETS, SIDEWALKS AND UTILITIES.

DESIGN LOADS

1. UNLESS NOTED OTHERWISE, THE LOADS NOTED IN TABLES AND ON DRAWINGS ARE UNFACTORED.
2. CLIMATIC INFORMATION — REFER TO CLIMATIC INFORMATION TABLE
3. SITE INFORMATION — REFER TO SITE INFORMATION TABLE
4. DESIGN LOADS — REFER TO DESIGN LOADS TABLE
5. LATERAL LOADS
   5.1 LATERAL LOADS ARE RESISTED BY TIMBER SHEAR WALLS .
6. CONSTRUCTION LOADS SHALL NOT EXCEED THE LOADS NOTED ON THE DRAWINGS.

DELEGATED DESIGN

1. PORTIONS OF THE DETAILED DESIGN ARE DELEGATED TO THE CONTRACTOR. RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE YUKON TO COMPLETE THE DESIGN.
2. SUBMIT SHOP DRAWINGS FOR COMPONENTS REQUIRING DELEGATED DESIGN UNDER THE SEAL AND SIGNATURE OF THE ENGINEER RESPONSIBLE FOR THE DESIGN.
3. THE FOLLOWING COMPONENTS REQUIRE DELEGATED DESIGN:
   3.2. CONCRETE MIX DESIGNS
4. THE ENGINEER RESPONSIBLE FOR THE DELEGATED DESIGN IS ALSO RESPONSIBLE FOR REVIEW OF FABRICATION AND INSTALLATION OF THE COMPONENTS.
5. UPON COMPLETION OF THE WORK, CERTIFY IN WRITING TO THE DEPARTMENTAL REPRESENTATIVE THAT SUCH REVIEW HAS BEEN COMPLETED.
6. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.

FOUNDATION AND GEOTECHNICAL NOTES

1. FOUNDATION DESIGN IS BASED ON THE FOUNDATION INVESTIGATION SOILS REPORT NUMBER WARC03404-01 PREPARED BY TETRA TECH, TITLED DESKTOP GEOTECHNICAL EVALUATION - NEW SERVICE BUILDING AND HERITAGE COURTHOUSE, DAWSON CITY, YT, AND DATED MAY 8, 2018.
2. COURTHOUSE FOOTINGS HAVE BEEN DESIGNED BASED ON A ULS FACTORED BEARING RESISTANCE OF 100 kPa.
3. EXPOSED SUBGRADE SHALL BE INSPECTED IN THE FIELD BY A PROFESSIONAL GEOTECHNICAL ENGINEER REGISTERED IN THE YUKON AND SUBGRADE PREPARATION SHALL BE DONE ACCORDINGLY.
4. BEARING SURFACES IS DELEGATED TO CONTRACTOR, THE SURFACE TO BE INSPECTED IN THE FIELD BY A PROFESSIONAL GEOTECHNICAL ENGINEER REGISTERED IN THE YUKON PRIOR TO PLACING CONCRETE AND PAID BY CONTRACTOR.
5. REMOVE ALL ORGANIC MATERIAL FROM THE BUILDING AREA AS OUTLINED IN THE GEOTECHNICAL REPORT.
6. REMOVE ALL LOOSE OR SATURATED MATERIAL AND GROUNDWATER FROM THE BASE OF FOOTING EXCAVATIONS BY APPROVED METHODS PRIOR TO PLACING FOUNDATIONS.
7. PROTECT EXCAVATIONS FOR FOOTINGS FROM RAIN, SNOW, FREEZING TEMPERATURES, STANDING WATER, LOSS OF MOISTURE AND DEGRADATION BY APPROVED METHODS.
8. UNLESS NOTED OTHERWISE SHOWN ON PLAN, FOUNDATION ELEMENTS ARE TO BE CENTERED UNDER WALLS AND COLUMNS.
9. FOR BACKFILL MATERIAL SEE GEOTECHNICAL REPORT.
10. PROVIDE VAPOUR RETARDER UNDER SLABS-ON-GRADE, FOR SPECIFICATION SEE ARCH.

CAST-IN-PLACE REINFORCED CONCRETE

1. CONCRETE MATERIALS, QUALITY, MIXING, PLACING, FORMWORK AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO THE LATEST EDITION OF CSA A23.1, A23.2, AND A23.3.
2. SUPPLY CONTROLLED CONCRETE IN ACCORDANCE WITH CSA-A23.1 WITH PROPERTIES NOTED IN CONTROLLED CONCRETE TABLE.
3. USE TYPE GU CEMENT FOR ALL CONCRETE UNLESS NOTED OTHERWISE IN CONTROLLED CONCRETE TABLE.
4. NOTIFY DEPARTMENTAL REPRESENTATIVE 5 BUSINESS DAYS PRIOR TO CONCRETE POURS TO ALLOW FOR REVIEW OF REINFORCEMENT.
5. DO NOT USE ADMIXTURES CONTAINING CALCIUM CHLORIDE.
6. FIELD AND LABORATORY TESTING OF CONCRETE TO BE COMPLETED BY A THIRD PARTY TESTING AND INSPECTION AGENCY APPROVED BY AND RESPONSIBLE TO THE DEPARTMENTAL REPRESENTATIVE. TESTING AGENCY SHALL BE CERTIFIED TO CSA-A283 AND TESTING TO BE COMPLETED IN ACCORDANCE WITH CSA-A23.2. TESTING PAID FOR BY CONTRACTOR.
7. SUBMIT CONCRETE MIX SHOP DRAWING PRIOR TO PLACING CONCRETE.
8. DO NOT PLACE LOAD ON NEW CONCRETE OR POUR NEW CONCRETE ON NEW CONCRETE UNTIL AT LEAST 75% OF ITS 28 DAY STRENGTH IS ATTAINED. CONCRETE QUALITY CONTROL TESTING SHALL BE COMPLETED BY QUALIFIED PERSONNEL AND REPORTS ARE TO BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE.
9. BUILDING IS NOT TO BE PUT INTO SERVICE UNTIL ALL CONCRETE COMPONENTS HAVE CURED FOR 28 DAYS OR PROOF THAT THE 28 DAY STRENGTH HAS BEEN ATTAINED THROUGH QUALITY CONTROL TESTING.
10. FILL ALL HOLES IN CONCRETE MEMBERS CAUSED BY CONSTRUCTION PRACTICE WITH NON-SHRINK GROUT WITH A COMPRESSIVE STRENGTH EQUAL TO THAT OF THE CONCRETE.
11. CONCRETE SHALL NOT BE POURED IN AN UNCONFINED MANNER FROM A HEIGHT OF MORE THAN 1220mm.
12. ALL BENDS IN PRIMARY REINFORCEMENT TO HAVE A RADIUS OF NOT LESS THAN 3 TIMES THE BAR DIAMETER.
13. QUALITY CONTROL TESTING OF THE CONCRETE AND GROUTS MUST BE COMPLETED BY QUALIFIED PERSONNEL AND REPORTS ARE TO BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE.

CONCRETE REINFORCEMENT

1. REINFORCEMENT STEEL TO CONFORM TO CSA-G30.18 GRADE 400W.
2. DO NOT WELD REINFORCEMENT UNLESS APPROVED IN WRITING BY DEPARTMENTAL REPRESENTATIVE. REINFORCEMENT TO BE WELDED TO CONFORM TO CSA-G30.18, GRADE 400W. WELDING ONLY PERMITTED BY AN ORGANIZATION CERTIFIED TO CSA-W186.
3. NOTIFY THE DEPARTMENTAL REPRESENTATIVE PRIOR TO CONCRETE PLACEMENT TO ALLOW FOR REVIEW OF REINFORCEMENT.
4. CLEAR CONCRETE COVER TO REINFORCEMENT - REFER TO CLEAR CONCRETE COVER TO REINFORCEMENT TABLE.
5. STANDARD END HOOK LENGTHS FOR REINFORCEMENT - REFER TO STANDARD END HOOKS TABLE.
6. REINFORCEMENT SPLICES - REFER TO REINFORCEMENT SPLICES TABLE.
7. ALL REINFORCEMENT TO BE SUPPORTED AT 900 mm MAXIMUM SPACING.

TIMBER

1. ALL WOODEN MEMBERS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF CSA-086.
2. READ THESE DESIGN NOTES IN CONJUNCTION WITH ADDITIONAL NOTES AND NOTES UNDER SCHEDULES ON EACH FLOOR&ROOF FRAMING PLANS .
3. SUPPLY WOOD WITH PROPERTIES NOTED IN TIMBER GRADES TABLE.
4. ALL BLOCKING BETWEEN ROOF/FLOOR RAFTERS/JOISTS ON TOP OF SHEAR WALL (GRID LINES A,B,C,D,1,4) SHALL BE ATTACHED TO DOUBLE TO PLATE WITH MIN. 10d COMMON NAILS @ 100mm o/c. UNLESS NOTED OTHERWISE NAILING FOR FRAMING SHALL CONFORM TO TABLE 9.23.3.4. NBCC 2015
5. ALL NEW FLOOR SHEATHING SHALL BE GLUED AND NAILED TO SUPPORTING MEMBERS (EXISTING SHEATHING AND JOIST BELOW) WITH ADHESIVE USING ACCEPTABLE PRODUCT LEPAGE PL400 (OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED) IN ADDITION TO NAILING.
6. UNLESS NOTED IN SCHEDULES ON SHEETS, DO NOT REPLACE/REMOVE ANY STRUCTURAL MEMBERS WITHOUT THE WRITTEN APPROVAL OF DEPARTMENTAL REPRESENTATIVE.
7. EXISTING DAMAGED SHEATHING SHALL BE REPLACED TO MATCH THE EXISTING AND FASTEN TO PRIMARY FLOOR STRUCTURE AS NOTED AS NOTED UNDER DIAPHRAGM TABLES ON S102,S103,S104. 5% OF THE EXISTING FLOOR SHEATHING IS EXPECTED TO BE DAMAGED AND REPLACED AND PAID BY CONTRACTOR.
8. EXISTING ROOF PLANKS SHEATHING CAN BE TEMPORARILY REMOVED DURING THE ROOF MEMBER UPGRADE AND RE-INSTALLED BACK. DAMAGED PLANKS SHALL BE REPLACED TO MATCH THE EXISTING, AND FASTENED TO PRIMARY ROOF STRUCTURE AS NOTED UNDER ROOF DIAPHRAGM SCHEDULE ON S106. 10% OF THE EXISTING ROOF SHEATHING IS EXPECTED TO BE DAMAGED AND REPLACED AND PAID BY CONTRACTOR.
9. SUBMIT SHOP DRAWING SHOWING CUSTOM HANGER INCLUDING FASTENERS AS SHOWN ON 2/S105 FOR APPROVAL PRIOR TO INSTALLATION.
10. SUBMIT SHOP DRAWING FOR ALL HANGERS, LATERAL TIES PLATES AND ANGLES INCLUDING FASTENERS FOR APPROVAL PRIOR TO INSTALLATION.
11. ENSURE ALL 75mm LONG NAILS HAVE A MINIMUM DIAMETER OF 3.66mm AND ALL 64mm LONG NAILS HAVE A MINIMUM DIAMETER OF 3.25mm. ALL SHEAR WALL NAILS SHALL HAVE FULL HEADS.
12. OBTAIN DEPARTMENTAL REPRESENTATIVE APPROVAL BEFORE DRILLING THROUGH THE EXISTING, UPGRADED AND NEW FLOOR JOISTS.
13. UNLESS NOTED OTHERWISE INSTALL NEW BLOCKING BETWEEN ALL FLOOR JOIST AT THE SUPPORTS.
14. BLOCK ALL EXTERIOR AND INTERIOR SHEAR WALLS AT 1220mm INTERVALS (MAX) AND SHEATH ACCORDING TO SHEATHING SCHEDULE OR NOTE BELOW.
15. ROOF/FLOOR FULL DEPTH BLOCKING SHALL BE INSTALLED AS SHOWN ON DETAILS.
16. PROVIDE DOUBLE BLOCKING UNDER ALL PARTITIONS PARALLEL AND PERPENDICULAR TO THE JOISTS.
17. ALL COLUMNS SHALL BE BLOCKED THROUGH THE FLOORS ASSEMBLY. BLOCKING (STUB COLUMN) SHALL BE EQUAL IN SIZE AND GRADE TO THE COLUMN ABOVE.
18. WALL ANCHORAGE TO MAIN FLOOR SLAB AND FOUNDATION SHALL BE AS SHOWN ON THE DRAWING.
19. UNLESS NOTED OTHERWISE ALL BUILT UP BEAMS, JOISTS SHALL BE LAMINATED USING ACCEPTABLE PRODUCT LEPAGE PL400 (OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED) ADHESIVE AND Ø6mm STRUCTURAL SCREWS ACCEPTABLE PRODUCT SIMPSON STRONG TIE "SDS" SCREWS -OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED. SCREWS LENGTH SHALL BE EQUAL TO THE THICKNESS OF TWO PLIES. SCREW CONFIGURATIONS AS PER DETAILS.
20. UNLESS NOTED OTHERWISE ALL BUILT UP RAFTERS SHALL BE LAMINATED USING ACCEPTABLE PRODUCT LEPAGE PL400 (OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED) ADHESIVE AND NAILED. NAIL LENGTH SHALL BE EQUAL TO THE THICKNESS OF TWO PLIES. NAIL CONFIGURATION AS PER DETAIL.
21. UNLESS NOTED OTHERWISE ALL BUILT UP COLUMNS SHALL BE LAMINATED USING ACCEPTABLE PRODUCT LEPAGE PL400 (OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED) ADHESIVE AND NAILS. NAIL LENGTH SHALL BE EQUAL TO THE THICKNESS OF TWO PLIES. UNLESS NOTED OTHERWISE PLIES CONFIGURATION AND FASTENING LAYOUT SHALL DONE IN ACCORDANCE WITH PART 9 OF THE NBCC 2015.
22. UNLESS NOTED OTHERWISE ALL BUILT UP WALL STUDS IN THE BASEMENT SHALL BE LAMINATED USING ACCEPTABLE PRODUCT LEPAGE PL400 (OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED) ADHESIVE AND HOT DIP GALVANIZED NAILS. NAIL LENGTH SHALL BE EQUAL TO THE THICKNESS OF TWO PLIES. UNLESS NOTED OTHERWISE PLIES CONFIGURATION AND FASTENING LAYOUT SHALL DONE IN ACCORDANCE WITH PART 9 OF THE NBCC 2015.
23. UNLESS NOTED OTHERWISE WALL STUDS ATTACHED TO PLATE AS PER TIMBER STUDS PLATE FASTENING SCHEDULE ON S002
24. INSTALL ROOF AND WALL ANCHORAGE AS PER DETAILS.
25. IF AT ANY POINT WALL SHEATHING MUST BE JOINED WHERE NO STUD OR WALL PLATE EXISTS, AN ADDITIONAL STUD OR BLOCKING MUST BE INSTALLED AT THE SHEATHING SEAM DEPENDING ON THE ORIENTATION OF THE SEAM.
26. ALL BOLTS CONNECTING WOOD TO WOOD OR WOOD TO CONCRETE SHALL BE GRADE ASTM A307. BOLTS SHALL BE GALVANIZED EXCEPT THOSE EMBEDDED INTO CONCRETE.
27. ALL BOLTS AND WOOD FASTENERS SUCH AS A NAILS OR SCREWS IN THE BASEMENT SHALL BE HOT DIP GALVANIZED.
28. ALL BOLTS AND WOOD FASTENERS SUCH AS A NAILS OR SCREWS PERMANENTLY EXPOSED TO THE ATMOSPHERE SHALL BE GALVANIZED OR ZINC PLATED.
29. ALL BOLTS AND WOOD FASTENERS SUCH AS A NAILS OR SCREWS USED WITH PRESERVATIVE TREATED LUMBER SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.
30. PROVIDE A MINIMUM OF 2 BOLTS IN BOLTED CONNECTIONS.
31. UNLESS NOTED OTHERWISE JOIST HANGERS, TIES AND OTHER STEEL CONNECTORS SHALL BE GALVANIZED. WHERE THE CONNECTORS ARE USED WITH PRESERVATIVE TREATED LUMBER AND IN THE BASEMENT SHALL BE HOT DIP GALVANIZED.
32. ALL CONSTRUCTION CONNECTORS SHALL BE INSTALLED AS PER MANUFACTURER SPECIFICATION TO DEVELOP FULL CAPACITY.
33. ALL DIMENSIONAL LUMBER TO BE PERMANENTLY EXPOSED TO THE EXTERIOR ATMOSPHERE SHALL BE PRESSERVATIVE TREATED - UNINCISED OR FINISHED WITH A WEATHER RESISTANT COATING. ALL ENGINEERED LUMBER (LVL, PSL & GLULAM MEMBERS) TO BE PERMANENTLY EXPOSED TO THE EXTERIOR ATMOSPHERE SHALL BE TREATED WITH A WEATHER RESISTANT COATING APPLIED AT THE MANUFACTURER'S FACILITY PRIOR TO SHIPMENT TO SITE.
34. ALL NEW AND/OR EXISTING LUMBER, TIMBER, ENGINEERED WOOD IN CONTACT WITH NEW ADDITIONAL STEEL PLATE REINFORCEMENT SHALL BE FINISHED WITH A WEATHER RESISTANT COATING.
35. INSTALL SILL GASKET UNDER THE ALL SILL PLATES IN CONTACT WITH CONCRETE.
36. IN ADDITION TO TYPICAL SHEATHING PRACTICE, ALL WALL SHEATHING ON EXTERIOR WALLS SHALL EXTEND FROM THE TOP PLATES OF THE STUD WALL BELOW TO THE BOTTOM PLATE OF THE STUD WALL ABOVE. NAILING PATTERN IN SHEATHING AT THESE LOCATIONS SHALL BE EQUAL TO THE NAILING PATTERN SPECIFIED FOR THE SHEATHING BELOW.
37. ALL SHEAR WALLS SHALL BE SHEATHED TO UNDERSIDE OF FLOOR SHEATHING ABOVE OR EQUIPPED WITH RIM JOISTS TO TRANSFER LOAD INTO CONNECTING SHEAR WALLS.
38. ALL INTERIOR AND EXTERIOR SHEAR WALLS SHALL HAVE DOUBLE CONTINUOUS TOP CHORD.
39. ALL NEW AND/OR EXISTING LUMBER IN CONTACT WITH NEW ADDITIONAL STEEL SHALL BE FINISHED WITH A WEATHER RESISTANT COATING. SEE SPECIFICATION SECTION 06 05 00.
40. MINIMUM REQUIRED SPACING, END AND EDGE DISTANCES FOR FASTENERS SHALL BE ACCORDING TO CSA 086-14.
41. RETREAT ALL CUT ENDS OF PRESSURE TREADED LUMBER WHICH REQUIRE ON-SITE CUTTING.

STRUCTURAL STEEL

1. DESIGN, FABRICATION, ERECTION, AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL.
2. STEEL TO BE FABRICATED AND ERECTED BY A SHOP CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA-W47.1, DIVISION 1 OR 2.1 ONLY.
3. WELDING TO REINFORCEMENT STEEL ONLY BY A SHOP CERTIFIED TO CSA-W186 WITH REINFORCEMENT CONFORMING TO CSA-G30.18, GRADE 400W.
4. SUPPLY STEEL WITH PROPERTIES NOTED IN STEEL GRADES TABLE.
5. WELDING TO CONFORM TO CSA-W59.
6. ALL STEEL MEMBERS IN CONTACT WITH PRESERVATIVE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.
7. ALL FASTENERS USED IN BASEMENT SHALL BE HOT DIP GALVANIZED.
8. SHOP GALVANIZING TO CONFORM TO ASTM A123/A123M-15.
9. ALL EXPOSED WELDS TO BE CONTINUOUS. GRIND ALL EXPOSED WELDS SMOOTH, INCLUDING PAINTED STEEL.
9. CONNECTIONS NOT DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN YUKON TERRITORY AT THE STEEL FABRICATOR'S EXPENSE.
10. DO NOT SPLICE MATERIAL WITHOUT THE WRITTEN APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE. WHERE GRANTED, A COMPLETE NON-DESTRUCTIVE EXAMINATION WILL BE MANDATORY AND PAID FOR BY THE CONTRACTOR.
11. SQUARE CUT OR FULL STRENGTH WELD ALL COLUMNS AT BASE PLATES AND AT TOP WHERE BEARING UNDER CONTINUOUS BEAMS.
12. ALL BOLTS AND WOOD FASTENERS PERMANENTLY EXPOSED TO THE ATMOSPHERE SHALL BE GALVANIZED OR ZINC PLATED. ALL WELDS SHALL HAVE AN ULTIMATE STRENGTH OF NOT LESS THAN 490 MPa (E49XX ELECTRODES).
13. CLEAN, PREPARE AND PRIME ALL STRUCTURAL STEEL, UNLESS HOT DIP GALVANIZED COATING IS SPECIFY.
14. ALL EXISTING SCREW JACKS SHALL BE CLEANED OFF THE RUST AND PAINTED WITH ZINC-RICH PAINT.

EXISTING STRUCTURE LEVELING

1. ALL EXISTING FLOOR FINISHES SHALL BE REMOVED PRIOR TO RE-LEVELING.
2. FLOOR STRUCTURE LEVEL 1,2 & 3 SHALL BE RE-LEVELED BEFORE ANY UPGRADE WORK .
3. ROOF STRUCTURE SHALL BE RE-LEVELED BEFORE ANY UPGRADE WORK .
4. THE MAXIMUM ACCEPTABLE TOLERANCE FOR FLOOR DEFORMATION AFTER RE-LEVELING IS 6.35mm IN 2438mm (= 1/384).
5. THE MAXIMUM ACCEPTABLE TOLERANCE FOR ROOF DEFORMATION AFTER RE-LEVELING IS 6.80mm IN 2438mm (= 1/360).
6. CONTRACTOR IS TO SURVEY THE STRUCTURE AFTER RE-LEVELING AND SUBMIT SURVEY REPORT FOR EACH FLOOR LEVEL AND ROOF TO DEPARTMENTAL REPRESENTATIVE FOR APPROVAL PRIOR TO ANY UPGRADE WORK. SURVEY REPORT SHALL FOLLOW THE SAME GRID AS THE PROVIDED SURVEY OF THE EXISTING.

ADHESIVE ANCHORING SYSTEM

1. SUBMIT SHOP DRAWING FOR ADHESIVE ANCHORING SYSTEM FOR HOLDOWNS AND DOWELS TO EXISTING AND/OR NEW CONCRETE. ACCEPTABLE PRODUCT -HILTI HIT HY 200 - OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.

Parks Canada / Parcs Canada

Consultant

RATIO

Seal

PROFESSIONAL ENGINEER
PETR POLIVKA
TERRITORY
14490246G
February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.3 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

Consultant Signature Box Only

Designed by/Concept par
PETR POLIVKA

Drawn by/Dessine par
PETR POLIVKA

PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

GENERAL NOTES

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	**S001**	**1**

PWGSC – B1 – 1000x707

0 10 20 30 40 50 60 70 80 90 100mm

DM5XXXXXX

CLIMATIC INFORMATION

TO BE READ IN CONJUNCTION WITH DESIGN LOADS DESIGN NOTES

SNOW LOAD (1/50), Ss		2.9 kPa
SNOW LOAD (1/50), Sr		0.1 kPa
HOURLY WIND PRESSURE (1/10)		0.24 kPa
HOURLY WIND PRESSURE (1/50)		0.31 kPa
SEISMIC RESPONSE,	$S_a(0.2)$	0.396
SEISMIC RESPONSE,	$S_a(0.5)$	0.277
SEISMIC RESPONSE,	$S_a(1.0)$	0.168
SEISMIC RESPONSE,	$S_a(2.0)$	0.087
SEISMIC RESPONSE,	$S_a(5.0)$	0.030
SEISMIC RESPONSE,	$S_a(10.0)$	0.012
SEISMIC RESPONSE,	PGA	0.185
SEISMIC RESPONSE,	PGA	0.174

SITE INFORMATION

TO BE READ IN CONJUNCTION WITH DESIGN LOADS DESIGN NOTES

IMPORTANCE CATEGORY	NORMAL
WIND EXPOSURE TYPE	OPEN TERRAIN
INTERNAL PRESSURE CATEGORY	2
FOUNDATION SITE CLASS	D

DESIGN LOADS

TO BE READ IN CONJUNCTION WITH DESIGN LOADS DESIGN NOTES

BASEMENT PERIMETER WALL	
EQUIVALENT FLUID PRESSURE DRY/ FULLY SATURATED	1120/1620* kg/m³
GROUND LIVE LOAD SURCHARGE	4.8 kPa
LEVEL 1 FLOOR	
DEAD LOAD	2.5 kPa
LIVE LOAD	4.8 kPa
LIVE LOAD - MECH. ROOM	4.8 kPa**
LEVEL 2 FLOOR	
DEAD LOAD	2.5 kPa
LIVE LOAD - CORRIDORS (GL A-E/2-3) AND STAIRS	4.8 kPa
LIVE LOAD - ELSEWHERE	2.4 kPa
LEVEL 3 FLOOR	
DEAD LOAD - GL C-D/1-4 (OCCUPIED SPACE)	2.5 kPa
DEAD LOAD - ELSEWHERE	1.0 kPa
LIVE LOAD - GL C-D/1-4 (OCCUPIED SPACE)	2.4 kPa
ROOFS	
DEAD LOAD	1.0 kPa
BASIC SNOW LOAD	2.42 kPa
ACCUMULATED SNOW LOAD	REFER TO DIAGRAM-S601

NOTE:
FLOOR SUPERIMPOSED DEAD LOAD INCLUDING SELF-WEIGHT OF FLOOR ASSEMBLY, 1.0kPa FOR PARTITIONS
1.0kPa AND 0.5kPa FOR MECHANICAL AND ELECTRICAL
* FULLY SATURATED CONDITIONS CONSIDERED AS A SHORT TERM LOADING
** OR ACTUAL EQUIPMENT WEIGHT (WHICHEVER IS GREATER)

TIMBER GRADES

TO BE READ IN CONJUNCTION WITH TIMBER FRAMING DESIGN NOTES

MEMBER TYPE	GRADE	
NEW SHEATHING		
FLOORING	CANADIAN SOFTWOOD PLYWOOD TONGUE AND GROOVE, 18.5 mm THICKNESS, EXTERIOR GRADE, MIN. MARKING OF 2R24	
ROOF	CANADIAN SOFTWOOD PLYWOOD, 15.5 mm TONGUE AND GROVE, EXTERIOR GRADE, MIN. MARKING OF 2R24	
WALLS	CANADIAN SOFTWOOD PLYWOOD, 12.5 mm THICKNESS, EXTERIOR GRADE, MIN. MARKING OF 2R24 (PRESSURE TREATED -BASEMENT)	
EXISTING LUMBER		
EXISTING JOISTS AND BEAMS	HOSPITAL ADDITION D.FIR-L NO. 1/NO. 2 GRADE ELSEWHERE S-P-F NO. 1/NO. 2 GRADE	
EXISTING COLUMNS	HOSPITAL ADDITION D.FIR-L NO. 1/NO. 2 GRADE ELSEWHERE S-P-F NO. 1/NO. 2 GRADE	
EXISTING LOAD BEARING WALL STUDS	HOSPITAL ADDITION D.FIR-L NO. 1/NO. 2 GRADE ELSEWHERE S-P-F NO. 1/NO. 2 GRADE, PRESERVATIVE TREATED UNINCISED-BASEMENT AREA	
COLUMNS-BALCONY	S-P-F NO. 1/NO. 2 GRADE	
NEW SAWN LUMBER		
JOISTS AND BUILT-UP BEAMS	S-P-F NO. 1/NO. 2 GRADE	
BUILT-UP COLUMNS	S-P-F NO. 1/NO. 2 GRADE, (USE PRESSURE TREATED UNINCISED LUMBER IN BASEMENT)	
NEW WALL STUDS	S-P-F NO. 1/NO. 2 GRADE, (USE PRESSURE TREATED UNINCISED LUMBER IN BASEMENT)	
NEW FOUNDATION PADS SF02	S-P-F NO. 1/NO. 2 GRADE PRESSURE TREATED UNINCISED	
NEW TIMBER		
NEW FOUNDATION PADS SF03-05, SF06-13	S-P-F NO. 2 GRADE PRESSURE TREATED	
STRUCTURAL COMPOSITE LUMBER		
JOISTS, BEAMS - LAMINATED VENEER LUMBER-LVL	GRADE	2.0E
	MODULUS OF ELASTICITY	13789 MPa
	FLEXURAL BENDING STRESS Fb	33129 kPa
	COMPRESSION PERPENDICULAR TO GRAIN Fc	9411 kPa
	COMPRESSION PARALLEL TO GRAIN Fc	27613 kPa
COLUMNS - PARALLEL STRAND LUMBER-PSL	GRADE	2.0E
	MODULUS OF ELASTICITY	13789 MPa
	FLEXURAL BENDING STRESS Fb	36955 kPa
	COMPRESSION PERPENDICULAR TO GRAIN Fc	7825 kPa
	COMPRESSION PARALLEL TO GRAIN Fc	31922 kPa
	TENSION Ft	25855 kPa

NOTE:
ALL LUMBER USED IN BASEMENT SHALL BE PRESERVATIVE TREATED UNINCISED.

STEEL GRADES

TO BE READ IN CONJUNCTION WITH STRUCTURAL STEEL DESIGN NOTES

MEMBER TYPE	GRADE
ROLLED W-SHAPES, TEES	CSA G40.21 350W OR ASTM A992 GRADE 50
WELDED WIDE FLANGE SECTIONS	CSA G40.21 350W
HOLLOW STRUCTURAL SECTIONS	CSA G40.21 350W CLASS C
OTHER STRUCTURAL SHAPES AND PLATES	CSA G40.21 300W
BOLTS (STEEL TO STEEL)	ASTM A325
BOLTS (STEEL TO WOOD)	ASTM A307
ANCHOR RODS	ASTM F1554 GRADE 36
THREADED ROD	ASTM A36
HOLDOWN ANCHOR ROD TO CONCRETE	ASTM F1554 GRADE 36

NOTE:
1. ALL FASTENERS USED IN BASEMENT SHALL BE HOT DIP GALVANIZED.
2. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

REINFORCEMENT SPLICES

TO BE READ IN CONJUNCTION WITH CONCRETE REINFORCEMENT DESIGN NOTES

BAR SIZE	COMPRESSION SPLICE (mm)	TENSION SPLICE (mm)			
		VERTICAL OR BOTTOM HORIZONTAL BARS		TOP HORIZONTAL BARS	
		UNCOATED BARS	EPOXY COATED BARS	UNCOATED BARS	EPOXY COATED BARS
10M	300	400	600	500	650
15M	450	550	850	750	950
20M	600	700	1000	900	1150
25M	750	1100	1650	1400	1850
30M	900	1300	1950	1700	2200
35M	1025	1550	2300	2000	2600
NOTE 1:	THIS TABLE IS BASED ON NORMAL WEIGHT CONCRETE f'c = 35 MPa AND ON REINFORCING STEEL fy = 400 MPa.				
NOTE 2:	TOP HORIZONTAL BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 300 mm OF CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.				
NOTE 3:	FOR STANDARD EMBEDMENT DEPTH INTO CONCRETE, DIVIDE BASIC TENSION LAP SPLICE NUMBERS BY 1.3.				

CLEAR CONCRETE COVER TO REINFORCEMENT

TO BE READ IN CONJUNCTION WITH CONCRETE REINFORCEMENT DESIGN NOTES

EXPOSURE CONDITION	EXPOSURE CLASS		
	N	F-1, F-2, S-1, S-2, S-3	C-XL, C-1, C-2, C-3, A-1, A-2, A-3
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	-	75 mm	75 mm
BEAMS, GIRDERS, COLUMNS, AND PILES TO TIES/STIRRUPS (EXCEPT AS NOTED BELOW)	30 mm	40 mm	60 mm
SLABS, WALLS, JOISTS, SHELLS, AND FOLDED PLATES (EXCEPT AS NOTED BELOW)	20 mm	40 mm	60 mm
RATIO OF COVER TO NOMINAL BAR DIAMETER	1.0	1.5	2.0
RATIO OF COVER TO NOMINAL MAXIMUM AGGREGATE SIZE	1.0	1.5	2.0

NOTE
THE LARGEST COVER REQUIRED FOR ANY ONE ELEMENT SHALL GOVERN.

STANDARD END HOOKS

TO BE READ IN CONJUNCTION WITH CONCRETE REINFORCEMENT DESIGN NOTES

BAR SIZE	10M	15M	20M	25M	30M	35M	45M	55M
90 HOOK LENGTH	180	260	310	400	510	640	790	1020
180 HOOK LENGTH	140	180	210	280	390	550	670	860

CONTROLLED CONCRETE

TO BE READ IN CONJUNCTION WITH CAST-IN-PLACE REINFORCED CONCRETE DESIGN NOTES

CONCRETE ELEMENT	CLASS OF EXPOSURE	MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS (MPa)	MINIMUM COMPRESSIVE STRENGTH AT 56 DAYS (MPa)	MAXIMUM AGGREGATE SIZE (mm)	AIR CONTENT %	MAX. W/C RATIO	CEMENT TYPE
COURTHOUSE - ADDITION TO EXISTING STRIP FOOTING	C-2	32	-	20	5-8	0.45	GU

HOLDOWN SCHEDULE

HOLDOWN DESIGNATION	MIN. SIZE OF STUD	MIN. ANCHOR BOLT DIAMETER (mm)	MIN. FACTORED TENSILE RESISTANCE (kN-1.15)
HD-01	MIN. 3.5lin	16	12.80 kN
HD-02	MIN. 3.5lin	16	27.27 kN
HD-03	MIN. 3.5lin	N/A	PRESENT STRAP 16.53kN*
HD-04	MIN. 3.5lin/MIN. 3.5lin	16	DOUBLE HOLDOWN - 2x20.80 kN
HD-05	MIN. 3.5lin/MIN. 3.5lin	16	DOUBLE HOLDOWN - 2x27.27 kN
HD-06	MIN. 3.5lin	N/A	STRAP TIE 16.5 kN

NOTE:
1. STRUCTURAL SCREWS SHALL BE USE FOR ALL HOLDOWNS.
2. USE FASTENERS AS PER MANUFACTURER SPECIFICATION.
3. SEE GENERAL HOLDOWN PLACEMENT DETAIL ON 1 & 2 S505 & 4 & 5 S101.
4. SEE 3 & 4 S501 FOR HOLDOWN LOCATIONS AT GL 1 & 4.
5. DOUBLE HOLDOWN SHALL BE INSTALLED STAGGERED AS PER MANUFACTURER SPECIFICATION. SEE DETAIL ON S505 & S101.
6. PRESENT STRAPS FOR INSTALLATION WITH RIM/FLOOR JOIST (SIM.2S).
7. EMBEDMENT LENGTH TO EXISTING CONCRETE (USING ADHESIVE ANCHORING SYSTEM IS 160mm. SUBMIT ADHESIVE ANCHORING SYSTEM SHOP DRAWING FOR APPROVAL ACCEPTABLE PRODUCT -HILTI HIT HY 200 - OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.
8. MIN. DOUBLE HOLDOWN ANCHOR ROD SPACING TO CONCRETE 185mm. SEE DETAIL ON S101.
9. UNLESS NOTED OTHERWISE USE 3 PLY BUILT-UP COLUMN AT BASEMENT. FOR LOCATION SEE 3 & 4 S501.

TIMBER STUDS PLATE FASTENING

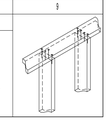
STUD SIZE	STUD TYPE	# FASTENERS
38x140	DIMENSIONAL LUMBER	4
38x184	DIMENSIONAL LUMBER	5
38x235	DIMENSIONAL LUMBER	7
38x286	DIMENSIONAL LUMBER	8
38x140/44x140	ENGINEERED LUMBER	4
38x184/44x184	ENGINEERED LUMBER	5
38x235/44x235	ENGINEERED LUMBER	7
38x286/44x286	ENGINEERED LUMBER	8
	ENGINEERED LUMBER	9

NOTES

DIMENSIONAL LUMBER - USE 3.66x89mm FRAMING NAILS.

ENGINEERED LUMBER - USE #12x89mm WOOD SCREWS.

APPLIES TO LAYER OF TOP OR BOTTOM PLATE IN CONTACT WITH STUDS.



Parks Canada / Parcs Canada

Consultant

RATIO

Seal

PROFESSIONAL ENGINEER
PETR POLIVKA
TERRITORY
14490246G
February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

No.	Revision/ Revision	Description/Description	Date/Date
1		ISSUED FOR PHASE 2.3 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

Consultant Signature Box Only

Designed by/Concept par
PETR POLIVKA

Drawn by/Dessine par
PETR POLIVKA

PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

DESIGN TABLES

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	**S002**	**1**

PWGSC – B1 – 1000X707

0 10 20 30 40 50 60 70 80 90 100mm

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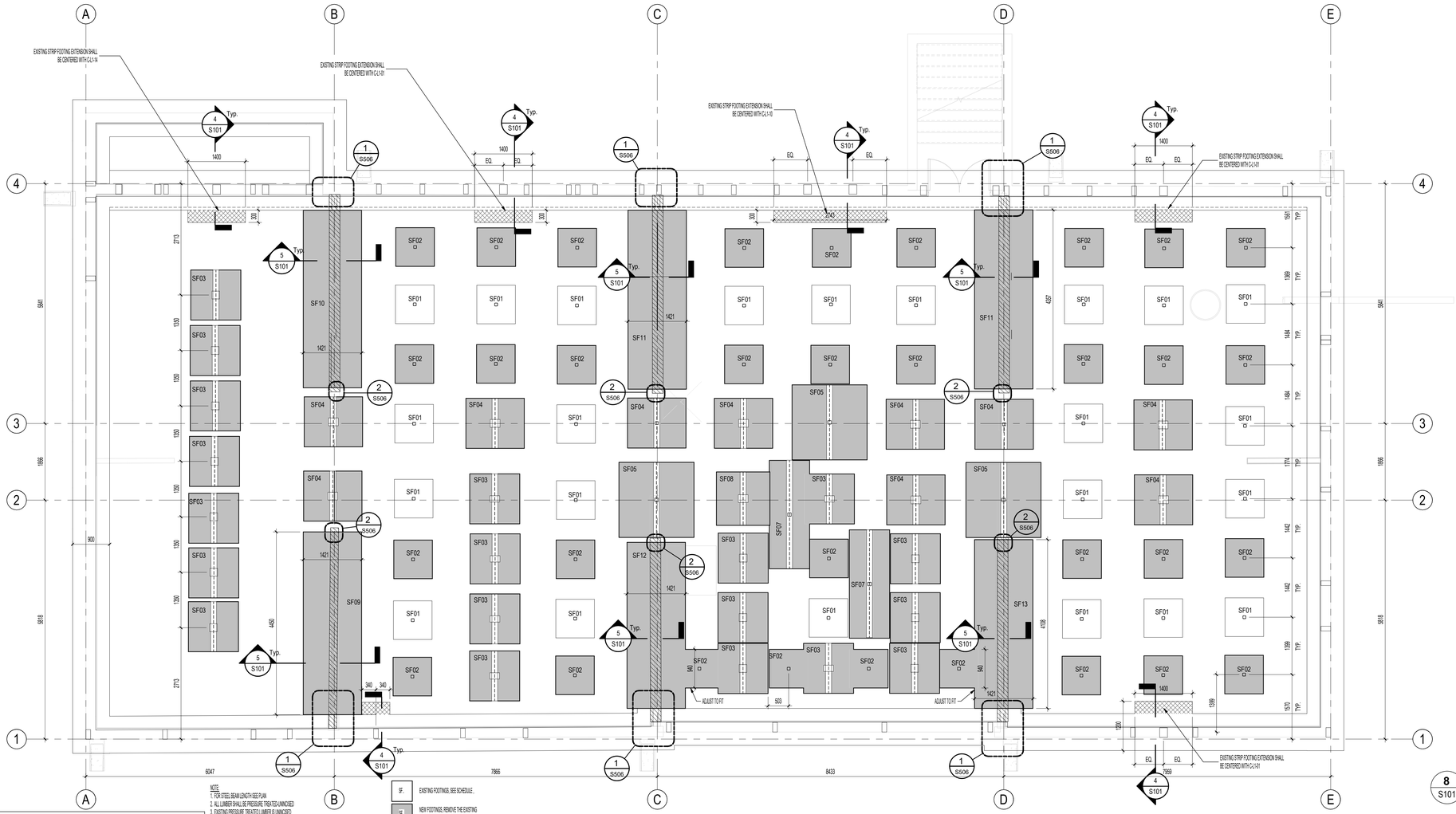


SF.. EXISTING FOOTINGS. SEE SCHEDULE.

SF.. NEW FOOTINGS. REMOVE THE EXISTING WHERE APPLICABLE. SEE SCHEDULE

EXISTING STRIP FOOTING EXTENSION

NOTE:
1. FRAMING LAYOUT NOT REFLECTING EXACT LOCATION OF STRUCTURAL MEMBERS. LAYOUT IS TO ILLUSTRATE DESIGN CONCEPT.
2. FOR COLUMN SIZES SEE S102

NOTE:
1. FOR STEEL BEAM LENGTH SEE PLAN
2. ALL LUMBER SHALL BE PRESSURE TREATED UNNOCSED
3. EXISTING PRESSURE TREATED LUMBER IS UNNOCSED
4. FOR SUBGRADE PREPARATION SEE S001 AND SEE GEOTECHNICAL REPORT
5. ALL STEEL MEMBERS IN CONTACT WITH PRESERVATIVE TREATED LUMBER SHALL BE HOT DIP GALVANIZED
6. CONTRACTOR TO CONFIRM TO DEPARTMENTAL REPRESENTATIVE EXISTING PERIMETER BASEMENT WALL ANCHOR BOLT LAYOUT CAST IN PLACE Ø12mm ANCHOR BOLT @ MAX. 1200mm o/c - PRIOR TO IMPLEMENTING UPGRADE WORK.
7. TOP OF SPANS AFTER NEW FOUNDATION PADS INSTALLATION TO BE THE SAME AS EXISTING.
8. SEE ALSO A210 (BASEMENT DEMOLITION PLAN)

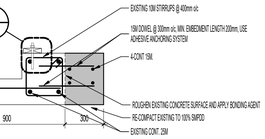
HOLDOWN SCHEDULE SEE S002 AND HOLDOWN LAYOUT DIAGRAMS FOR EXTERIOR WALLS AT GL 1 & 4 ON S601 AND DETAIL 6/S101

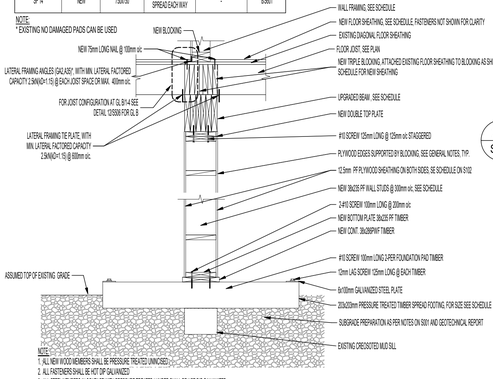
PF SPREAD FOOTING SCHEDULE

DESIGNATION	EXISTING/NEW	FOOTING SIZE (mm)	FOOTING MEMBER SIZE (mm)	STEEL BEAM SIZE	DETAIL
SF 01	EXISTING	940x940	4 LAYERS OF 5.0in/184	N/A	S5101
SF 02	NEW	940x940	4 LAYERS OF 5.0in/184	N/A	S5101
SF 03	NEW	1219x1219	203x203 TIMBER	W 250x33	2/S101
SF 04	NEW	1421x1421	203x203 TIMBER	W 250x33	2/S101
SF 05	NEW	1927x1927	203x203 TIMBER	W 250x33	2/S101
SF 06	NEW	1000x1000	CONCRETE: 4-15M EVENLY SPREAD EACH WAY	-	6/S601
SF 07	NEW	990x2438	203x203 TIMBER	W 360x39	2/S101
SF 08	NEW	1220x1220	203x203 TIMBER	W 250x33	2/S101
SF 09	NEW	1421x4480	203x203 TIMBER	-	5/S101
SF 10	NEW	1421x4425	203x203 TIMBER	-	5/S101
SF 11	NEW	1421x4357	203x203 TIMBER	-	5/S101
SF 12	NEW	1421x4042	203x203 TIMBER	-	5/S101
SF 13	NEW	1421x4108	203x203 TIMBER	-	5/S101
SF 14	NEW	750x750	CONCRETE: 3-15M EVENLY SPREAD EACH WAY	-	6/S601

1 S101 LEVEL 0 FOUNDATION PLAN
1 : 50

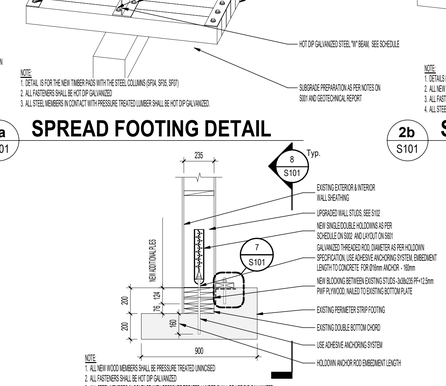
8 S101 DOUBLE HOLDOWN DETAIL
1 : 20





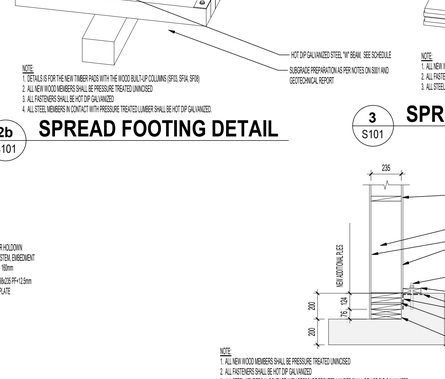
NOTE:
1. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNNOCSED
2. ALL FASTENERS SHALL BE HOT DIP GALVANIZED
3. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

5 S101 INTERIOR SHEAR WALL SECTION DETAIL
1 : 20



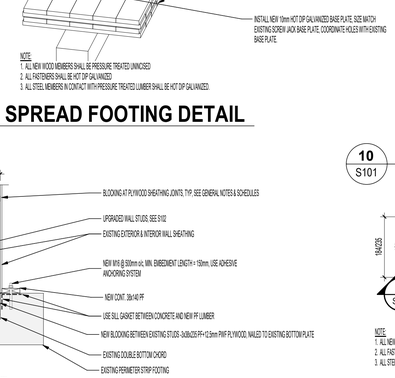
NOTE:
1. DETAIL 6/S101 FOR THE NEW TIMBER PADS WITH THE STEEL COLUMNS (SF04, SF05, SF07)
2. ALL FASTENERS SHALL BE HOT DIP GALVANIZED
3. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

2a S101 SPREAD FOOTING DETAIL



NOTE:
1. DETAILS 6 FOR THE NEW TIMBER PADS WITH THE WOOD BUILT-UP COLUMNS (SF03, SF04, SF08)
2. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNNOCSED
3. ALL FASTENERS SHALL BE HOT DIP GALVANIZED
4. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

2b S101 SPREAD FOOTING DETAIL

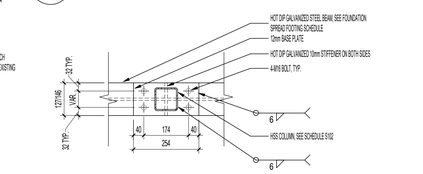


NOTE:
1. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNNOCSED
2. ALL FASTENERS SHALL BE HOT DIP GALVANIZED
3. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

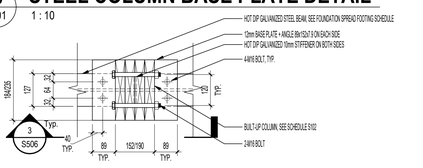
3 S101 SPREAD FOOTING DETAIL

NOTE:
1. WALL FRAMING NOT SHOWN FOR CLARITY
2. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNNOCSED
3. ALL FASTENERS SHALL BE HOT DIP GALVANIZED

4 S101 STRIP FOOTING SECTION
1 : 20



10 S101 STEEL COLUMN BASE PLATE DETAIL
1 : 10



NOTE:
1. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNNOCSED
2. ALL FASTENERS SHALL BE HOT DIP GALVANIZED
3. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

6 S101 HOLDOWN DETAIL AT PERIMETER FOUNDATION WALL
1 : 20

NOTE:
1. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNNOCSED
2. ALL FASTENERS SHALL BE HOT DIP GALVANIZED
3. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

7 S101 ADDITOINAL LATERAL SUPPORT AT STRIP FOOTING
1 : 20

NOTE:
1. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNNOCSED
2. ALL FASTENERS SHALL BE HOT DIP GALVANIZED
3. ALL STEEL MEMBERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED.

11 S101 WOODEN COLUMN BASE PLATE DETAIL
1 : 10

PWGSC – B1 – 1000X707

0 10 20 30 40 50 60 70 80 90 100mm

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Parks Canada Parcs Canada

Consultant

RATIO

TN

NORTH

Seal

PROFESSIONAL ENGINEER PETR POLIVKA TERRITORY 144902460

February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.3 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

Consultant Signature Box Only

Designed by/Concept par
PETR POLIVKA

Drawn by/Dessine par
PETR POLIVKA

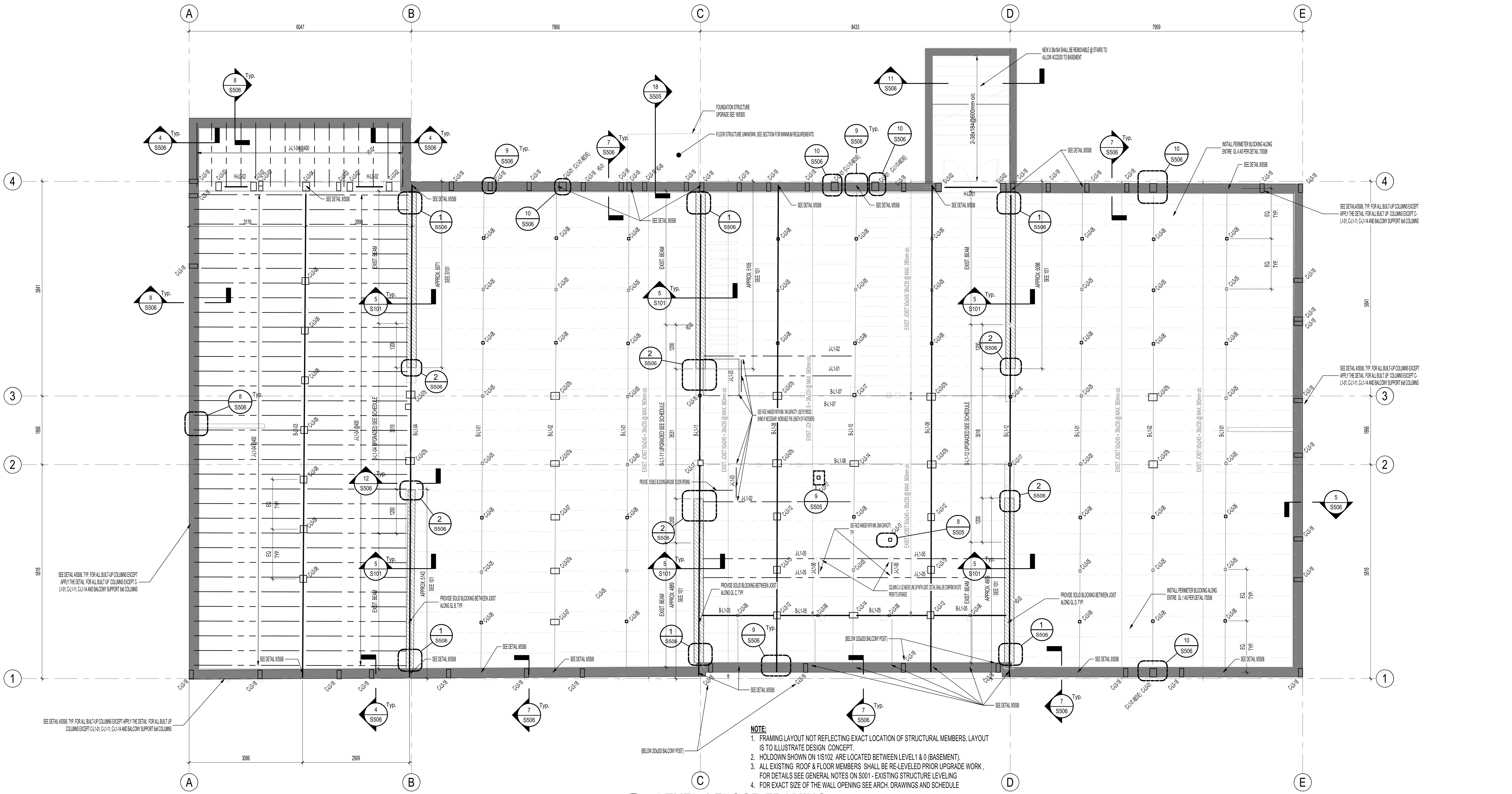
PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

LEVEL 0 FOUNDATION PLAN

Project No./No. du projet	Sheet/ Feuille	Revision no./ Le Révision no.
PRO 842	S101	1



NOTE:

1. FRAMING LAYOUT NOT REFLECTING EXACT LOCATION OF STRUCTURAL MEMBERS, LAYOUT IS TO ILLUSTRATE DESIGN CONCEPT.
2. HOLDOWN SHOWN ON 1/S102 ARE LOCATED BETWEEN LEVEL1 & 0 (BASEMENT).
3. ALL EXISTING ROOF & FLOOR MEMBERS SHALL BE RE-LEVELED PRIOR UPGRADE WORK, FOR DETAILS SEE GENERAL NOTES ON S001 - EXISTING STRUCTURE LEVELING
4. FOR EXACT SIZE OF THE WALL OPENING SEE ARCH. DRAWINGS AND SCHEDULE

1/S102 LEVEL 1 FLOOR FRAMING
1 : 50

LEVEL 0 COLUMN SCHEDULE

COLUMN DESIGNATION	EXISTING COLUMN SIZE	NEW COLUMN SIZE	JACK STUD	KING STUD
C-L0-01	UNKNOWN	5-38x235	-	-
C-L0-02	UNKNOWN	4-38x235	2	2
C-L0-03	UNKNOWN	5-38x235	3	2
C-L0-04	UNKNOWN	5-38x235	-	-
C-L0-05 SEE NOTE #2,4	HSS 64x65x?	-	-	-
C-L0-06 SEE NOTE #2,3,4	HSS 76x76x?			
C-L0-07	-	4-38x235	-	-
C-L0-07a	HSS 76x76x? (ORANGE)	4-38x235	-	-
C-L0-07b	VAR. HSS	5-38x235	-	-
C-L0-08	HSS 76x76x? (ORANGE)	5-38x184	-	-
C-L0-09	-	5-38x184	-	-
C-L0-10	NOT IN USE			
C-L0-11				
C-L0-12	-	5-38x184	-	-
C-L0-13	HSS 76x76x? (GREEN)	5-38x184	-	-
C-L0-14	HSS 76x76x? (ORANGE)	4-38x235	-	-
C-L0-15	-	HSS 76x76x4.8		
C-L0-16	VAR. HSS	HSS 76x76x4.8		
C-L0-17	VAR. HSS	HSS 89x89x4.8	-	-
C-L0-18	38x235	3-38x235	-	-

NOTE:
1. ALL COLUMNS SHALL BE CENTERED WITH THE BEAM ABOVE.
2. ALL EXISTING SCREW JACK COLUMNS SHALL BE CLEANED OUT OF RUST AND RE-PAINTED WITH ZINC-RICH PAINT.
3. C-L0-06 EXISTING SCREW JACK FROM OTHER EXISTING LOCATIONS
4. INSTALL NEW 12mm GALVANIZED PLATE ON TOP OF EXISTING TOP PLATE AT EXISTING GREEN& 7 ORANGE SCREW JACK (TOTAL 26 LOCATIONS), FOR EXIST TOP PLATE AND NEW PLATE CONFIGURATION SEE DETAIL 13/S506.
5. MAX. COLUMN HEIGHT 2.1m, CONTRACTOR TO VERIFY ON SITE PRIOR TO MANUFACTURING.
6. ALL BUILT-UP COLUMNS SHALL BE PWF UNINCISED.
7. ALL STEEL COLUMNS SHALL BE PRIMED AND PAINTED.
8. INSTALL NEW 10mm BASE PLATE UNDER ALL EXISTING SCREW JACKS, SIZE MATCH EXISTING SCREW JACK BASE PLATE, COORDINATE HOLES WITH EXISTING BASE PLATE.
9. APPLY THE DETAIL FOR ALL BUILT UP COLUMNS C-L1-01, C-L1-14 AND BALCONY SUPPORT 6x6 COLUMN

LEVEL 1 BEAM SCHEDULE

BEAM DESIGNATION	EXISTING BEAM SIZE	NEW BEAM SIZE	DETAIL
B-L1-01	4-38x235	-	-
B-L1-02	7-38x286	-	-
B-L1-03	3-44x302 2.0E LVL	EXIST. 3-44x302 2.0E LVL + NEW 2-38x286*	2/S102
B-L1-04	6-38x286	EXIST. 2-38X286 + NEW 4-44x286 2.0E LVL**	-
B-L1-05	203x203 (No.2)	EXIST. 203x203 + NEW 2-38X184	-
B-L1-06	2-44x235 2.0E LVL + 75x240	2-44x235 2.0E LVL + 75x240 +38x235	-
B-L1-07	2-44x235 2.0E LVL + 2-75x240	-	-
B-L1-08	4-38x235	EXIST. 4-38x235 + NEW 2-38X235	2/S102
B-L1-09	4-38x235	EXIST. 4-38x235 + NEW 2-38X235	2/S102
B-L1-10	7-38x286	-	-
B-L1-11	6-38x286	EXIST. 2-38X286 + NEW 4-44x286 2.0E LVL**	-
B-L1-12	6-38x286	EXIST. 2-38X286 + NEW 6-44x286 2.0E LVL**	-

NOTE:
1. UNLESS NOTED OTHERWISE ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS-SEE S001
2. FULL LENGTH OF THE BEAM SHALL BE UPGRADED.
* ADDITIONAL PLIES SHALL BE INSTALL TO LINE UP WITH TOP OF BEAM
** REMOVE 2 EXISTING PLIES FROM EACH SIDE OF THE EXISTING BUILT UP BEAM PRIOR TO UPGRADE, SEE PLAN FOR UPGRADE LOCATION AND LENGTH

LEVEL 0 HEADER SCHEDULE

HEADER DESIGNATION	EXISTING HEADER SIZE	NEW HEADER SIZE
H-L0-01	UNKNOWN	5x38X286 PWF (UNINCISED)
H-L0-02	UNKNOWN	5x38X184 PWF (UNINCISED)

HOLDOWN SCHEDULE SEE S002 AND HOLDOWN LAYOUT DIAGRAMS FOR EXTERIOR WALLS AT GL 1 & 4 ON S601

LEVEL 1 JOIST SCHEDULE

JOIST DESIGNATION	EXISTING JOIST SIZE AND SPACING	NEW JOIST SIZE AND SPACING
J-L1-01	50x245+38x235 @ max. 560mm o/c	-
J-L1-02	50x245+38x235 @ max. 560mm o/c	-
J-L1-03	-	38x235
J-L1-04	-	38x235 @ max. 400mm o/c*,**
J-L1-05	50x245+38x235 @ max. 560mm o/c	EXIST. 50x245+38x235 + NEW 2-38X235 @ max. 560mm o/c
J-L1-06	-	4-38x235

NOTE:
1. UNLESS NOTED OTHERWISE ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS-SEE S001
2. FULL LENGTH OF THE BEAM SHALL BE UPGRADED.
* PROVIDE DOUBLE BLOCKING UNDER ALL MECH. EQUIPMENT @ 400mm o/c.
** PROVIDE CONT. 30mm BLOCKING (WIDTH TO MATCH WALL PLATE OR BEAM) ON TOP OF WALL AT GL A AND TOP OF BEAM AT GL B TO MATCH THE EXISTING FLOOR LEVEL, NEW PLYWOOD SHALL BE CONTINUOUS THROUGH GL A-E.

LEVEL 0 SHEAR WALL/ LOAD BEARING WALL SCHEDULE

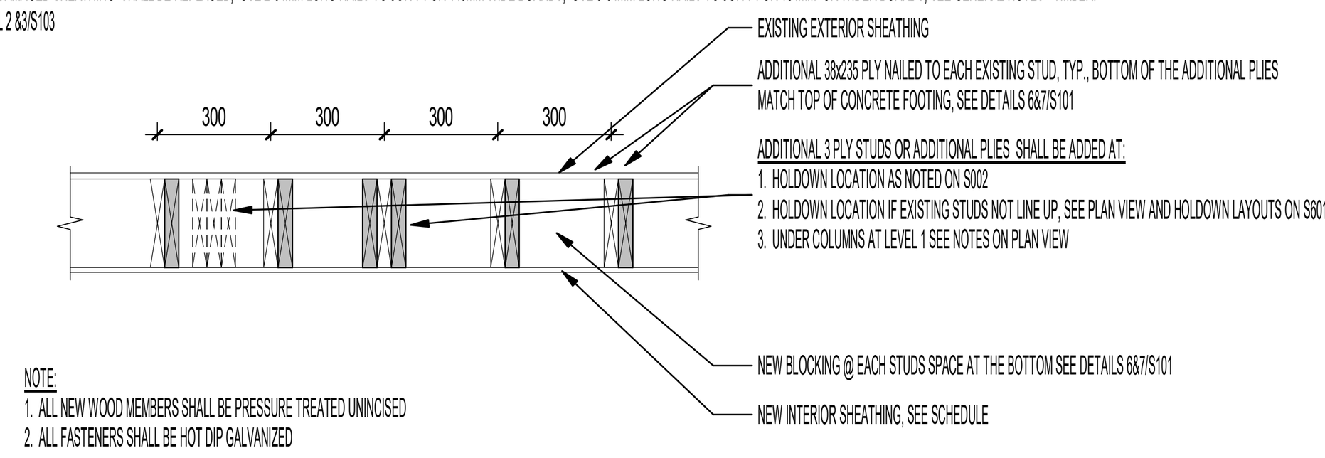
	WALL LOCATION	EXISTING WALL STUDS	EXIST. + NEW WALL STUDS	EXTERIOR SHEATHING & NAILING	INTERIOR SHEATHING & NAILING
(solid fill)	VAR.	38x235 @ 300mm o/c	EXIST. 38x235 + NEW 1 (2)-38x235 @ 300mm o/c, SEE DETAIL 4/S102, PLAN VIEW	EXISTING 15.5mm PRESERVATIVE TREATED PLYWOOD	NEW 12.5mm PRESERVATIVE TREATED PLYWOOD WITH 64mm NAILS @ 100mm o/c
(hatched)	VAR.	38x89 @ 400mm o/c	REMOVE EXISTING AND USE NEW 38x235 @ 300mm o/c	NEW 12.5mm PWF PLYWOOD ON BOTH SIDES	75mm NAIL @ 100mm o/c

NOTE:
1. ALL WALL STUDS SHALL BE CONTINUOUS FROM BOTTOM PLATE TO DOUBLE TOP PLATE, NOT CONTINUOUS STUDS SHALL BE SPLICED WITH NEW CONT. STUDS, AS PER SCHEDULE.
2. ALL PLYWOOD EDGES SUPPORTED BY STUDS AND SOLID BLOCKING, SEE GENERAL NOTES.
3. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES, THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm o/c.
4. WALL PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.
5. CONTRACTOR TO CONFIRM TO DEPARTMENTAL REPRESENTATIVE EXISTING PERIMETER BASEMENT WALL ANCHOR BOLT LAYOUT-CAST IN PLACE Ø12mm ANCHOR BOLT @ MAX. 1200mm o/c - PRIOR TO IMPLEMENTING UPGRADE WORK

LEVEL 1 DIAPHRAGM SCHEDULE

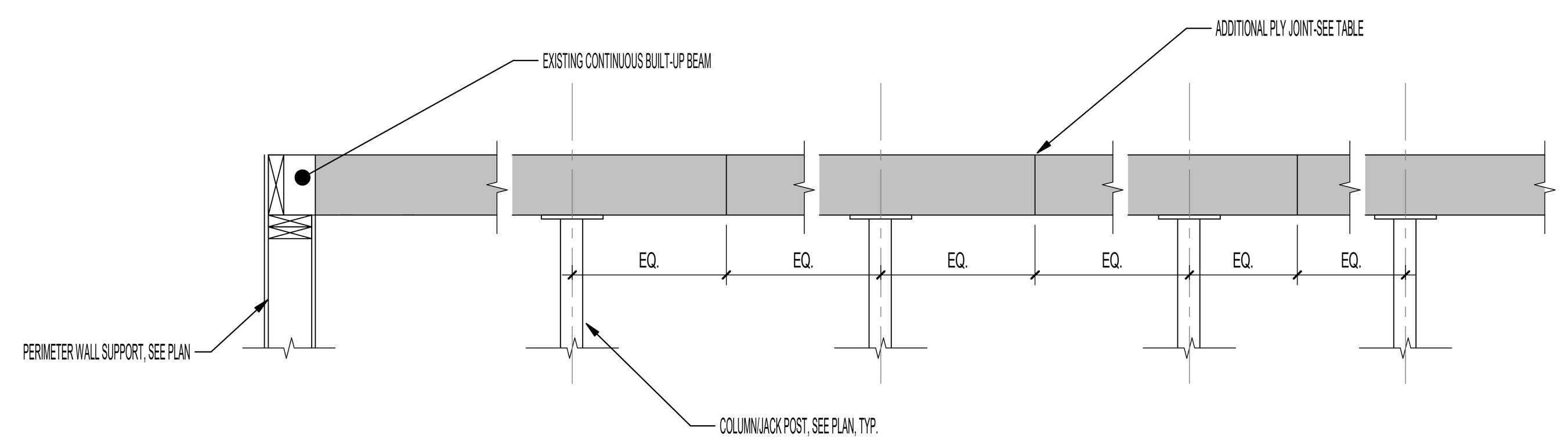
LOCATION	FRAMING	EXISTING SHEATHING ON TOP OF JOISTS	NEW SHEATHING ON TOP OF EXISTING	NEW SHEATHING NAILING PATTERN
GL 1-4/A-B	NEW J-L1-04@ MAX. 400mm o/c	N/A	18.5mm PLYWOOD ALL EDGES SUPPORTED BY NEW BLOCKING	75mm NAILS@ 100mm o/c TO JOIST AND FULL DEPTH BLOCKING 64mm NAILS@ 100mm o/c TO 38mm FLAT BLOCKING
GL 1-4/B-E	EXISTING @ MAX. 560mm o/c	EXIST. DIAGONAL SHEATHING, DAMAGED SHEATHING SHALL BE REPLACED	18.5mm PLYWOOD	NEW PLYWOOD - 75mm LONG NAILS @ MAX. 100 o/c TO JOIST, 50mm NAILS@ 100mm o/c TO EXIST. SHEATHING DAMAGED EXISTING SHEATHING- SEE NOTE BELOW

NOTE:
1. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES, THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm o/c.
2. FLOOR OPENING AND PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.
3. EXISTING. DAMAGED SHEATHING SHALL BE REPLACED, USE 2-64mm LONG NAILS TO JOIST FOR 140mm WIDE BOARDS, USE 3-64mm LONG NAILS TO JOIST FOR 184mm OR WIDER BOARDS, SEE GENERAL NOTES - TIMBER.
4. SEE DETAIL 2 &3/S103

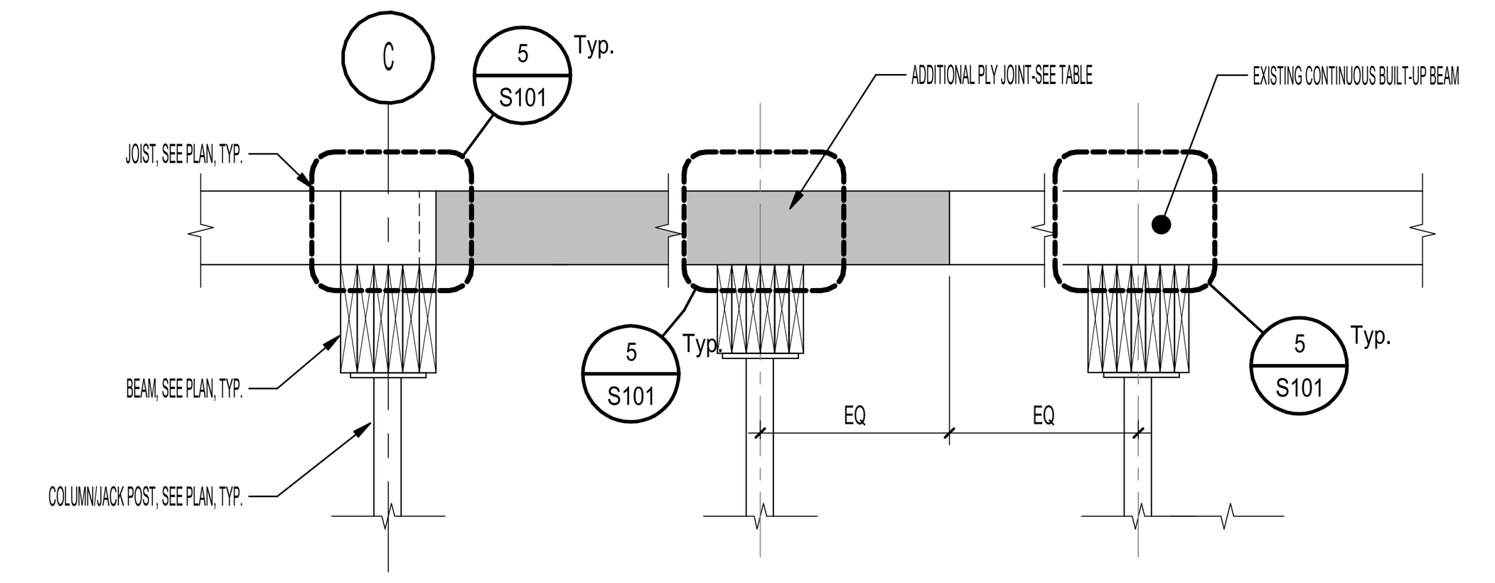


NOTE:
1. ALL NEW WOOD MEMBERS SHALL BE PRESSURE TREATED UNINCISED
2. ALL FASTENERS SHALL BE HOT DIP GALVANIZED

4/S102 PERIMETER WALL UPGRADE DETAIL
1 : 20



2/S102 BASEMENT BEAM UPGRADE SECTION
1 : 20



3/S102 B-L1-06 UPGRADE SECTION
1 : 20

Parks Canada | Parcs Canada

Consultant: RATIO

NORTH

Seal: PROFESSIONAL ENGINEER YUKON TERRITORY PETR POLIVKA 144902460 February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project: 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.3 TENDER	2021-01-29

Client/client: **PARKS CANADA**

Project title/Titre du projet:
301 FRONT STREET DAWSON, YT Y0B 1G0
FORMER TERRITORIAL COURTHOUSE

Consultant Signature Box Only

Designed by/Concept par: **PETR POLIVKA**
Drawn by/Dessine par: **PETR POLIVKA**
PCA PROJECT LEAD: **TRAVIS WEBER**
PCA PROJECT MANAGER: **JOSHUA KUMMERFIELD**

Drawing title/Titre du dessin: **LEVEL 1 FLOOR FRAMING**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	S102	1

PWGSC – B1 – 1000X707

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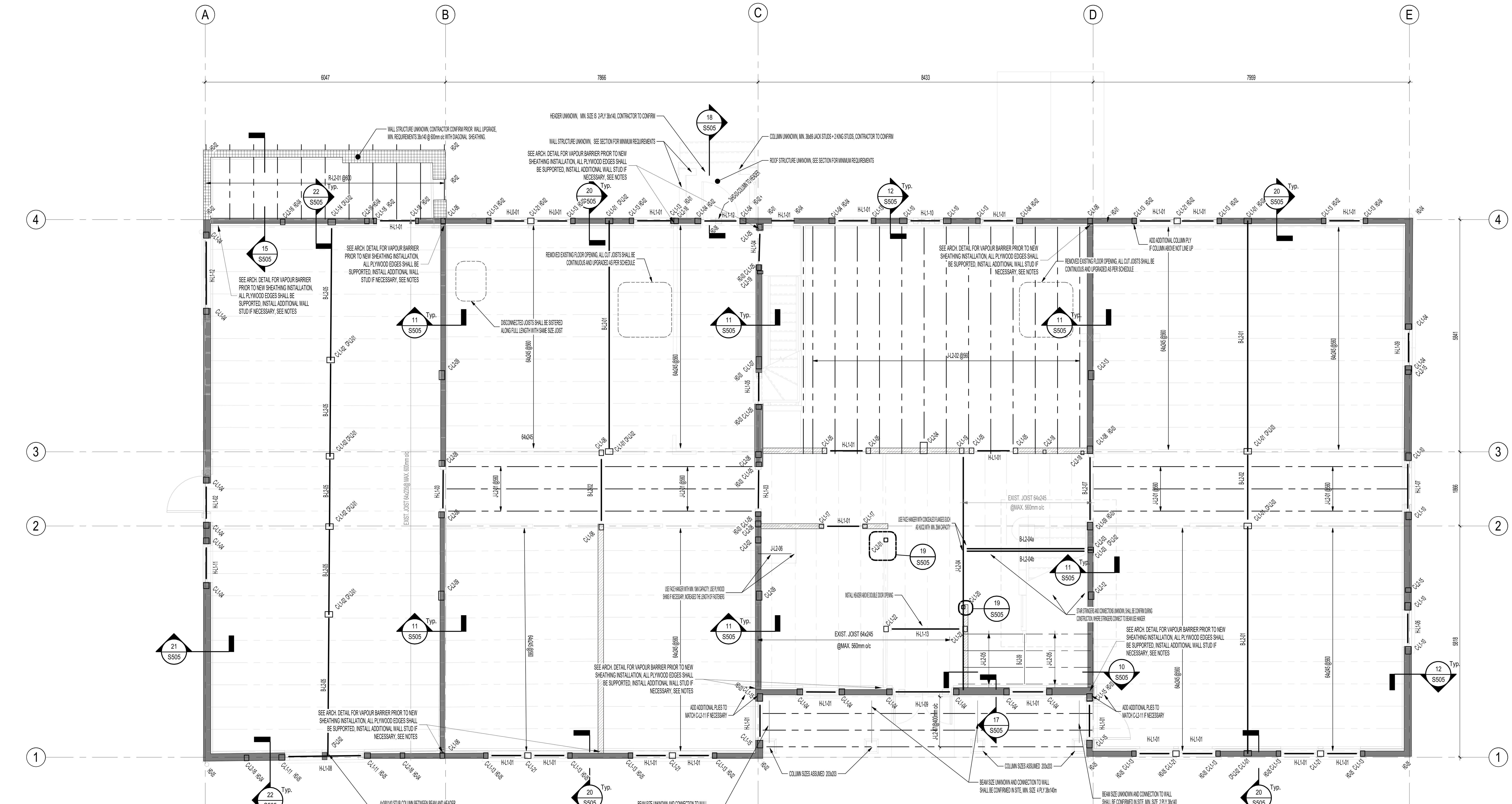

NOTE:
1. FRAMING LAYOUT NOT REFLECTING EXACT LOCATION OF STRUCTURAL MEMBERS, LAYOUT IS TO ILLUSTRATE DESIGN CONCEPT.
2. HOLDOWN SHOWN ON 1/S103 ARE LOCATED BETWEEN LEVEL 1 & BASEMENT,SEE S601 FOR HOLDOWN LOCATION AT GL A&4 FOR CLARITY.
3. ALL EXISTING FLOOR MEMBERS SHALL BE RE-LEVELED PRIOR UPGRADE WORK , FOR DETAILS SEE GENERAL NOTES ON S001.
4. FOR EXACT SIZE OF THE WALL OPENING SEE ARCH. DRAWINGS AND SCHEDULE.

1 / S103 LEVEL 2 FLOOR FRAMING
1 : 50

LEVEL 2 BEAM SCHEDULE

BEAM DESIGNATION	EXISTING BEAM SIZE	NEW BEAM SIZE
B-L2-01	-	4-44x457 2.0e LVL
B-L2-02	3-45x195 (REMOVE)	3-44x235 2.0E LVL
B-L2-03	NOT USED	
B-L2-04a/b	(a)75+50x245 + (b)70x245	(a)2-44x235 2.0E LVL + (b)44x235 2.0E LVL
B-L2-05	-	3-44x286 2.0E LVL
B-L2-06	NOT USED	
B-L2-07	3-45x195 (REMOVE)	3-44x235 2.0E LVL
B-L2-08	NOT USED	NOT USED
B-L2-09	-	2-38x140

NOTE:
1. UNLESS NOTED OTHERWISE ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS-SEE S001
2. FULL LENGTH OF THE BEAM SHALL BE UPGRADED.

HOLDOWN SCHEDULE SEE S002 AND HOLDOWN LAYOUT DIAGRAMS FOR EXTERIOR WALLS AT GL 1 & 4 ON S601

LEVEL 2 FLOOR JOIST SCHEDULE

JOIST DESIGNATION	EXISTING JOIST SIZE AND SPACING	NEW JOIST SIZE AND SPACING	DETAIL
J-L2-01	64x245 @ max. 560mm	EXIST. 64x245+ NEW 38x235 @ max. 560mm o/c	2/S501
J-L2-02	64x245 @ max. 560mm	EXIST. 64x245+NEW 2-38x286 @ max. 560mm o/c	2/S501
J-L2-03	64x245 @ max. 560mm	EXIST. 64x245+ NEW 38x235 @ max. 300mm o/c	
J-L2-04	2-64x245	EXIST. 2 -64x245 + NEW 2-44x235 2.0e LVL	
J-L2-05	50x100 @ max. 460	EXIST. 50x100+ NEW 38x89 @ max. 460mm o/c	
J-L2-06	-	2-38x235	
J-L2-07	45x195@max. 400mm (CONTRACTOR TO VERIFY ON SITE)	-	

NOTE:
1. UNLESS NOTED OTHERWISE ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS-SEE S001
2. UNLESS NOTED OTHERWISE IN DETAILS FULL LENGTH OF EXISTING JOIST SHALL BE UPGRADED.

LEVEL 2 ROOF JOIST SCHEDULE

JOIST DESIGNATION	EXISTING JOIST SIZE AND SPACING	NEW JOIST SIZE AND SPACING	DETAIL
R-L2-01	UNKNOWN	2-38x140 @ max. 600mm o/c	15/S505

LEVEL 1 COLUMN SCHEDULE

COLUMN DESIGNATION	EXISTING COLUMN SIZE	NEW COLUMN SIZE	JACK STUD	KING STUD
C-L1-01	-	5-38x140	-	-
C-L1-02	UNKNOWN	5-38(50)x140	-	-
C-L1-03	-	2-38x140 + 2-38x140	-	-
C-L1-04	50x140(JACK) + 50x140 KING STUD	EXIST. + NEW 4-38(50)x140	2	2
C-L1-05	UNKNOWN	3-38X140	2	1
C-L1-06	UNKNOWN	3-38X140	-	-
C-L1-07	UNKNOWN	8-38X140	6	2
C-L1-08	UNKNOWN	5-38X140	4	1
C-L1-09	UNKNOWN	5-38x140	4	1
C-L1-10	50x140(JACK) + 50x140 KING STUD	EXIST. + NEW 5-38(50)x140	3	2
C-L1-11	50x140(JACK) + 50x140 KING STUD	EXIST. + NEW 4-38(50)x140	1	3
C-L1-12	50x140(JACK) + 50x140 KING STUD	EXIST. + NEW 5-38(50)x140	2	3
C-L1-13	50x140(JACK) + 50x140 KING STUD	EXIST. + NEW 3-38(50)x140	1	2
C-L1-14	-	5-38x140	-	-
C-L1-15	50x140(JACK) + 50x140 KING STUD	EXIST. + NEW 5-38(50)x140	2	3
C-L1-16	NOT USED	NOT USED	-	-
C-L1-17	UNKNOWN	3-38(50)x89(100)	2	1
C-L1-18	UNKNOWN	2-38(50)x140	1	1
C-L1-19	-	3-38(50)x140	-	-
C-L1-20	-	HSS89x89x6.4	-	
C-L1-21	1+1 50x140(JACK)+2-50x140(KING)	-	1+1	2* SEE NOTE BELOW
C-L1-22	-	3-38x140	2	1

NOTE:
* RE-NAILED EXISTING DOUBLE KING STUDS AS BUILT-UP COLUMN, SEE NOTES ON S002

LEVEL 1 HEADER SCHEDULE

HEADER DESIGNATION	EXISTING HEADER SIZE	NEW HEADER SIZE
H-L1-01	2-38x140 FLAT	3-38x140
H-L1-02	2-38x140 FLAT	3-38x184
H-L1-03	UNKNOWN	3-44x184 2.0E LVL
H-L1-04	UNKNOWN	3-38x184
H-L1-05	UNKNOWN	3-44x235 2.0E LVL
H-L1-06	2-38x140 FLAT	3-38x184
H-L1-07	2-38x140 FLAT	3-38x235
H-L1-08	?-38x140 FLAT	3-44x235 2.0E LVL
H-L1-09	2-38x140 FLAT	3-38x235
H-L1-10	2-38x140 FLAT	3-44x286 2.0E LVL
H-L1-11	3-45x195 (REMOVE)	3-38x184
H-L1-12		3-38x286
H-L1-13		2-44x235 2.0E LVL

COLUMN CAP SCHEDULE

COLUMN CAP DESIGNATION	COLUMN CAP MODEL
CP-L2-01	STEEL PLATES-DETAIL 6/S505
CP-L2-02	STEEL PLATES-DETAIL 4/S505
CP-L2-03	STEEL PLATES-DETAIL 7/S505

NOTE:
1. UNLESS NOTED OTHERWISE USE FASTENERS AS PER MANUFACTURER SPECIFICATION, WHERE THE PLYWOOD SHIMS ARE USED LONGER FASTENERS
2. USE PLYWOOD SHIMS ON EACH FACE OF BEAM/COLUMN WHEN COLUMN CAP IS WIDER THAN BEAM

LEVEL 2 DIAPHRAGM SCHEDULE

LOCATION	FRAMING	EXISTING SHEATHING ON TOP OF JOIST	NEW SHEATHING ON TOP OF EXISTING	NAILING
GL 1-4/A-E	VAR@ VAR. MAX. 560mm o/c	EXIST. T&G PLANKS, DAMAGED SHEATHING SHALL BE REPLACED	18.5mm PLYWOOD	NEW PLYWOOD - 75mm LONG NAILS @ MAX. 100 o/c TO JOIST& FULL DEPTH BLOCKING , 50mm NAILS@ 100mm o/c TO EXIST. SHEATHING DAMAGED EXISTING SHEATHING- SEE NOTE BELOW
MECH. ROOM ROOF GL	EXISTING FRAMING UNKNOWN, MIN. 38x140 @ 600mm o/c	EXISTING ROOF SHEATHING, DAMAGED SHEATHING SHALL BE REPLACED	18.5mm PLYWOOD	75mm NAILS@ 100mm o/c TO JOIST 50mm NAILS@ 100mm o/c TO EXIST. SHEATHING

NOTE:
1. EXISTING. DAMAGED SHEATHING SHALL BE REPLACED, USE 2-64mm LONG NAILS TO JOIST FOR 140mm WIDE BOARDS, USE 3-64mm LONG NAILS TO JOIST FOR 184mm OR WIDER BOARDS, SEE GENERAL NOTES - TIMBER.
2. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES, THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm o/c.
3. FLOOR OPENING AND PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.

LEVEL 1 SHEAR WALL/ LOAD BEARING WALL SCHEDULE

	WALL LOCATION	EXISTING WALL STUDS	NEW WALL STUDS	SHEATHING	NAILING
	GL 1/A-C, D-E	50x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING + NEW 12.5mm PLYWOOD ON INTERIOR SIDE	75mm NAIL @ 150mm o/c
	GL 1 +1.63/C-D	50x140 @ MAX 560mm o/c	EXIST. 50X140+NEW 38X140@MAX. 560mm o/c	EXISTING DIAGONAL SHEATHING	-
	GL 2 /C+	50x100 @ MAX 560mm o/c	EXIST. 50x100 + NEW 2-38x89 @ MAX. 560mm o/c	EXISTING	-
	GL 3 /C-D	50x140 @ MAX 560mm o/c	EXIST. 50X140+ NEW 38X140@MAX. 560mm o/c	EXISTING	-
	GL 4 /A-B	TEMPORARY STRUCTURE	38x140@MAX. 400mm o/c	NEW 12.5mm PLYWOOD	75mm NAIL @ 100mm o/c
	GL 4 /B-E	50x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING + NEW 12.5mm PLYWOOD ON INTERIOR SIDE	75mm NAIL @ 150mm o/c
	GL A /1-4	50x140 @ MAX 460mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	GL B /1-4	50x140 @ MAX 560mm o/c	EXIST. 50X140+ NEW 38X140@MAX. 560mm o/c	NEW 12.5mm PLYWOOD-SEE NOTE BELOW	75mm NAIL @ 100mm o/c
	GL B +4.000/1-2	50x140 @ MAX 560mm o/c	N/A	EXISTING	-
	GL C /1-4	50x140 @ MAX 560mm o/c	EXIST. 50X140+ NEW 38X140@MAX. 560mm o/c	NEW 12.5mm PLYWOOD	75mm NAIL @ 100mm o/c
	GL D /1-3	50x140 @ MAX 560mm o/c	EXIST. 50X140+ NEW 38X140@MAX. 560mm o/c	NEW 12.5mm PLYWOOD	75mm NAIL @ 100mm o/c
	GL D /3-4	TEMPORARY STRUCTURE	38X140@MAX. 400mm o/c	NEW 12.5mm PLYWOOD	75mm NAIL @ 100mm o/c
	GL E /1-4	50x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	GL 4/A-B ADDITION	UNKNOWN, ASSUMED 50x140 @ MAX 560mm o/c	MIN. 38X140@ MAX. 600mm o/c	UNKNOWN, ASSUMED DIAGONAL SHEATHING	-
	MAIN STAIRWELL	50x89 @ MAX. 560mm o/c	EXIST. 50x89 + NEW 38x89 @ MAX. 560mm o/c	EXISTING	-

NOTE:
1. ALL WALL STUDS SHALL BE CONTINUOUS FROM BOTTOM PLATE TO DOUBLE TOP PLATE, NOT CONTINUOUS STUDS SHALL BE SPLICED WITH NEW CONT. STUDS, AS PER SCHEDULE.
2. All BEARING WALLS IN THE TABLE ABOVE SHALL BE SHEATHED BY EXISTING AND/OR NEW SHEATHING, WHERE EXISTING SHEATHING IS REMOVED OR MISSING NEW SHEATHING SHALL BE INSTALLED.
3. ALL SHEAR WALLS SHALL HAVE CONT. DOUBLE TOP PLATE WITH MIN. 900mm DISTANCE BETWEEN THE JOINTS.
4. ALL NEW PLYWOOD EDGES SUPPORTED BY STUDS AND SOLID BLOCKING, SEE GENERAL NOTES.
5. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES, THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm o/c.
6. WALL PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.
7. USE 18.5mm PLYWOOD AT MISSING DIAGONAL LUMBER SHEATHING AT GLB/1-2, JOINT BETWEEN EXISTING AND NEW SHEATHING SHALL BE ON WALL STUD, EXISTING DIAGONAL LUMBER SHEATHING SHALL BE ATTACHED TO STUDS WITH 3-75mm NAILS-EACH BOARD.
8. DO NOT CUT ANY WALL STUDS AT THE BULKHEAD LOCATIONS, PENETRATIONS SHALL BE BLOCKED -SEE NOTE #5.

PWGSC – B1 – 1000X707

Parks Canada | Parcs Canada

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RATIO

NORTH

Seal
PROFESSIONAL ENGINEER
PETR POLIVKA
TERRITORY
144902460
February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.3 TENDER	2021-01-29

Client/client
PARKS CANADA

Project title/Titre du projet
301 FRONT STREET
DAWSON, YT Y0B 1G0
FORMER TERRITORIAL COURTHOUSE

Consultant Signature Box Only

Designed by/Concept par
PETR POLIVKA

Drawn by/Dessine par
PETR POLIVKA

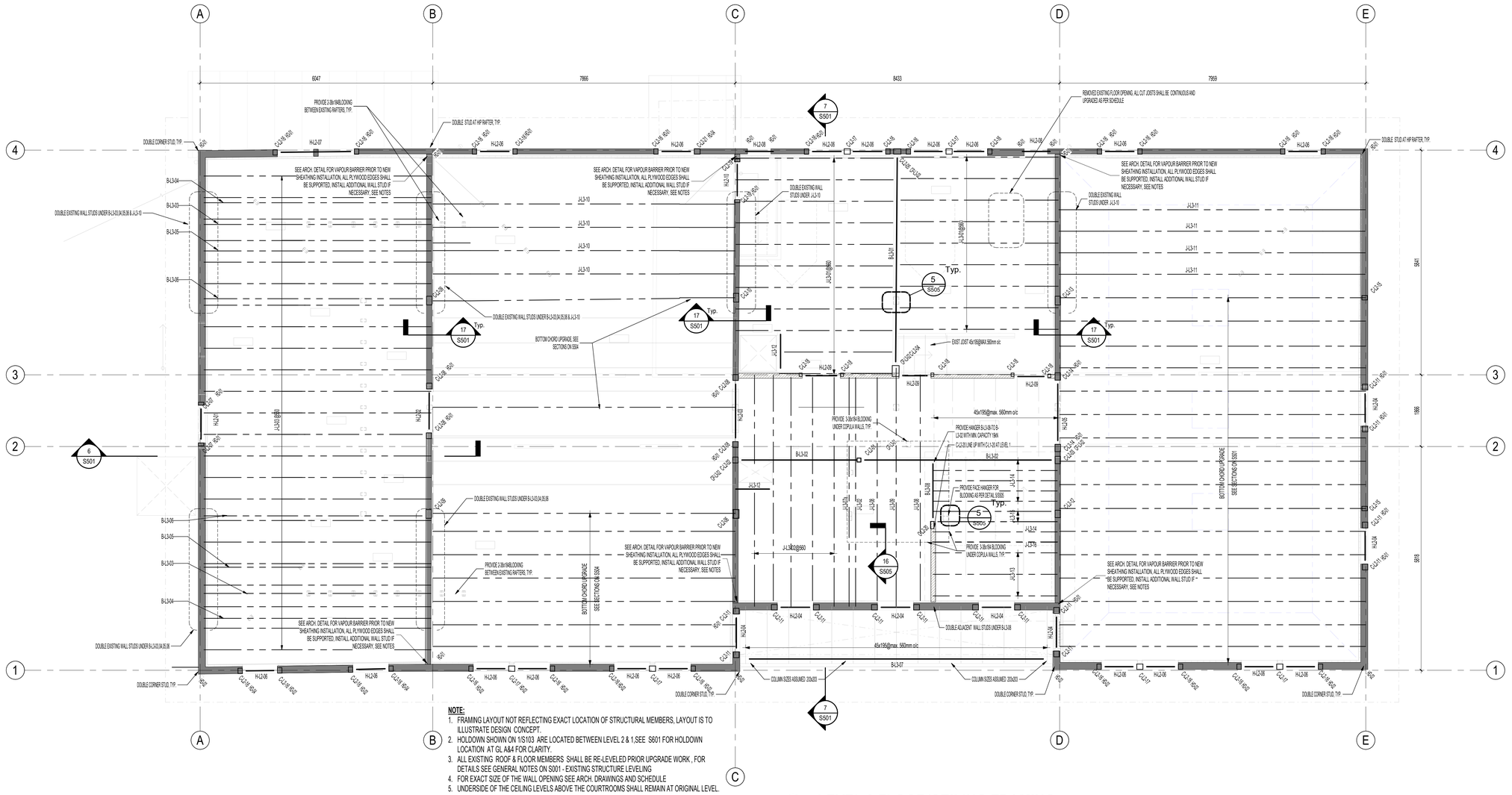
PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin
LEVEL 2 FLOOR FRAMING

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	S103	1

DM5XXXXXX



NOTE:

1. FRAMING LAYOUT NOT REFLECTING EXACT LOCATION OF STRUCTURAL MEMBERS, LAYOUT IS TO ILLUSTRATE DESIGN CONCEPT.
2. HOLDOWN SHOWN ON 1/S103 ARE LOCATED BETWEEN LEVEL 2 & 1,SEE S601 FOR HOLDOWN LOCATION AT GL A&4 FOR CLARITY.
3. ALL EXISTING ROOF & FLOOR MEMBERS SHALL BE RE-LEVELED PRIOR UPGRADE WORK , FOR DETAILS SEE GENERAL NOTES ON S001 - EXISTING STRUCTURE LEVELING
4. FOR EXACT SIZE OF THE WALL OPENING SEE ARCH. DRAWINGS AND SCHEDULE
5. UNDERSIDE OF THE CEILING LEVELS ABOVE THE COURTROOMS SHALL REMAIN AT ORIGINAL LEVEL.

1 S104 LEVEL 3 FLOOR/CEILING FRAMING

1 : 50

LEVEL 3 BEAM SCHEDULE

BEAM DESIGNATION	EXISTING BEAM SIZE	NEW BEAM SIZE
B-L3-01	-	3-44x359 2.0e LVL
B-L3-02	UNKOWN	3-44x359 2.0e LVL
B-L3-03	-	3-44x286 2.0e LVL
B-L3-04	-	5-38x286
B-L3-05	-	3-44x286 2.0e LVL
B-L3-06	-	3-44x286 2.0e LVL
B-L3-07	2-89X195	EXIST. 2-89x195+ NEW 2-38x184
B-L3-08	-	5-38x286

NOTE:
1. B-L3-03 SUPPORTING RAFTERS ONLY
2. B-L3-04/05 SUPPORTING HIP RAFTER ONLY
3. UNLESS NOTED OTHERWISE (SEE DETAIL 1/S503) ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS SEE S001
4. FULL LENGTH OF THE BEAM SHALL BE UPGRADED.

LEVEL 3 FLOOR/CEILING JOIST SCHEDULE

JOIST DESIGNATION	EXISTING JOIST SIZE AND SPACING	NEW JOIST SIZE NEW JOIST SIZE AND SPACING	DETAIL
J-L3-01	45x195 @max. 560	EXIST. 45x195 + NEW 3-44x184 2.0e LVL	2/S501
J-L3-02	45x195 @max. 560	EXIST. 45x195 + NEW 3-44x184 @ max. 560 o/c	1/S501
J-L3-03	38x140 @max. 600	EXIST. 38x140+ NEW(MIN)140FILLER + 3-38x286 @ max. 600 o/c	15/S501
J-L3-04	NOT USED		
J-L3-05	NOT USED		
J-L3-06	NOT USED		
J-L3-07	NOT USED		
J-L3-07a	4-63x195	EXIST. 4-63x195 + NEW 3-44x184 2.0e LVL	
J-L3-08	45x195 @max. 560	EXIST. 45x195 + NEW 2-44x184 2.0E LVL @ max. 560 o/c	1/S501
J-L3-09	-	3-44x184 2.0e LVL	
J-L3-10	-	3-44x286 @ max. 560	
J-L3-11	45x195@max. 560	EXIST. 45x195 + NEW 2-44x286 2.0e LVL @ max. 560 o/c	1/S502
J-L3-12	-	2-38x184	
J-L3-13	45x195@max. 560	EXIST. 45x195 + NEW 2-38x184 @ max. 560 o/c	2/S501
J-L3-14	45x195@max. 560	EXIST. 45x195 + NEW 2-38x184 @ max. 286 o/c	2/S501
J-L3-15	45x195	EXIST. 45x195 + NEW 2-38x184	
J-L3-16	3-45x195	-	

NOTE:
1. UNLESS NOTED OTHERWISE ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS SEE S001
2. UNLESS NOTED OTHERWISE IN DETAILS FULL LENGTH OF EXISTING JOIST SHALL BE UPGRADED.
3. UNDERSIDE OF THE CEILING LEVELS ABOVE THE COURTROOMS SHALL REMAIN AT ORIGINAL LEVEL.

LEVEL 2 COLUMN SCHEDULE

COLUMN DESIGNATION	EXISTING COLUMN SIZE	NEW COLUMN SIZE	JACK STUD	KING STUD
C-L2-01	-	HSS 102x102x6.4	-	-
C-L2-02	-	4-38x140	-	-
C-L2-03	-	5-38x140	-	-
C-L2-04	-	178x286 2.0E PSL	-	-
C-L2-05	-	5-38x140	-	-
C-L2-06	-	6-38x140	-	-
C-L2-07	50x140(JACK)	EXIST. + NEW 3-38(S)x140	1	2
C-L2-08	UNKOWN	4-38x140	3	1
C-L2-09	UNKOWN	7-38x140	-	-
C-L2-10	UNKOWN	7-38x140	-	-
C-L2-11	50x140(JACK)+50x140(KING)	EXIST. + NEW 4-38(S)x140	2	2
C-L2-12	UNKOWN	5-38x140	-	-
C-L2-13	UNKOWN	8-38x140	-	-
C-L2-14	UNKOWN	5-38x140	4	1
C-L2-14	UNKOWN	5-38x140	-	-
C-L2-15	UNKOWN	5-38x140	-	-
C-L2-16	50x140(JACK)+50x140(KING)	EXIST. + NEW 3-38(S)x140	1	2
C-L2-17	1+1 50x140(JACK)+2-50x140(KING)	-	1+1	2" BEAM WIDTH
C-L2-18	UNKOWN	2-38x89	1	1
C-L2-19	UNKOWN	3-38x140	1	1
C-L2-20	-	5-38x89	-	-
C-L2-21	50x140(JACK)+50x140(KING)	EXIST. + NEW 4-38(S)x140	1	3

NOTE: * RE-NAILED EXISTING DOUBLE KING STUDS AS BUILT-UP COLUMN. SEE NOTES ON S002

LEVEL 2 HEADER SCHEDULE

HEADER DESIGNATION	EXISTING HEADER SIZE	NEW HEADER SIZE
H-L2-01	2-38x140 FLAT	3-38x140
H-L2-02	3-89x235	3-44x286 2.0E LVL
H-L2-03	-	3-44x286 2.0E LVL
H-L2-04	2-38x140 FLAT	3-38x184
H-L2-05	152x235 TIMBER	3-44x286 2.0E LVL
H-L2-06	2-38x140 FLAT	3-38x140
H-L2-07	2-38x140 FLAT	3-38x235
H-L2-08	2-38x140 FLAT	2-38x89
H-L2-09	UNKOWN	2-38x140
H-L2-10	UNKOWN	3-38x140

LEVEL 2 SHEAR WALL/ LOAD BEARING WALL SCHEDULE

	WALL LOCATION	EXISTING WALL STUDS	NEW WALL STUDS	SHEATHING	NAILING
	GL 1/A-C, D-E	89x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	GL 1 + E3/C-D	89x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	GL 3/C-D	89x140 @ MAX 560mm o/c	N/A	EXISTING	-
	GL 4/A-B	89x140 @ MAX 560mm o/c	ALL EXISTING DISCONT. STUDS SHALL BE SPLICED WITH CONT. NEW 89x140 @ MAX. 560mm o/c	EXISTING DIAGONAL SHEATHING	-
	GL 4/B-E	89x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	GL A/1-4	89x140 @ MAX 460mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	GL B/2-4	89x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	GL B/1-2	89x140 @ MAX 560mm o/c	EXIST. 89x140+ NEW 38x140@max. 560mm o/c	EXISTING DIAGONAL SHEATHING	-
	GL C/1-2	89x140 @ MAX 560mm o/c	N/A	NEW 12.5mm PLYWOOD	75mm NAILS @ 100mm o/c
	GL C/2-4	89x140 @ MAX 560mm o/c	EXIST. 89x140+ NEW 38x140@max. 560mm o/c	NEW 12.5mm PLYWOOD	75mm NAILS @ 100mm o/c
	GL D/1-2	89x140 @ MAX 560mm o/c	N/A	NEW 12.5mm PLYWOOD	75mm NAILS @ 100mm o/c
	GL D/2-4	89x140 @ MAX 560mm o/c	EXIST. 89x140+ NEW 38x140@max. 560mm o/c	NEW 12.5mm PLYWOOD	75mm NAILS @ 100mm o/c
	GL E/1-4	89x140 @ MAX 560mm o/c	N/A	EXISTING DIAGONAL SHEATHING	-
	MAIN STAIRWELL	90x89 @ MAX 560mm o/c	EXIST. 89x89+NEW 38x89@max. 560mm o/c	EXISTING	-

NOTE:
1. ALL WALL STUDS SHALL BE CONTINUOUS FROM BOTTOM PLATE TO DOUBLE TOP PLATE, NOT CONTINUOUS STUDS SHALL BE SPLICED WITH NEW CONT. STUDS, AS PER SCHEDULE.
2. ALL PLYWOOD EDGES SUPPORTED BY STUDS AND SOLID BLOCKING, SEE GENERAL NOTES.
3. ALL BEARING WALLS IN THE TABLE ABOVE SHALL BE SHEATHED BY EXISTING AND/OR NEW SHEATHING, WHERE EXISTING SHEATHING IS REMOVED OR MISSING NEW SHEATHING SHALL BE INSTALLED.
4. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES. THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm oc.
5. WALL PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.
6. ALL SHEAR WALLS - PERIMETER WALLS (A, B, C, D, E) SHALL HAVE CONT. DOUBLE TOP PLATE.
7. ALL EXISTING NOT USED FRAMED OPENING IN LOAD BEARING AND SHEAR WALLS SHALL BE RE-FRAMED WITH FULL LENGTH STUDS AS PER TABLE ABOVE.

LEVEL 3 DIAPHRAGM SCHEDULE

LOCATION	FRAMING	EXISTING SHEATHING	NEW SHEATHING	NAILING
GL 1-4/C-D FLOOR	VARIES VAR. MAX. 560mm o/c	EXIST. T&G PLANKS + 9mm PLYWOOD	12.5mm PLYWOOD ON TOP OF EXISTING	NEW PLYWOOD 75mm NAILS@ 100 o/c TO JOIST & FULL DEPTH BLOCKING 50mm NAILS@ 100mm o/c TO EXIST. SHEATHING

NOTE:
1. EXISTING, DAMAGED SHEATHING SHALL BE REPLACED. USE 2-64mm LONG NAILS TO JOIST FOR 140mm WIDE BOARDS. USE 3-64mm LONG NAILS TO JOIST FOR 184mm OR WIDER BOARDS. SEE SCHEDULE FOR EXISTING PLYWOOD SHEATHING REPLACEMENT , SEE GENERAL NOTES - TIMBER
2. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES. THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm oc.
3. FLOOR OPENING AND PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.
4. SEE DETAIL 2,3,5/S103

COLUMN CAP SCHEDULE

COLUMN CAP DESIGNATION	MIN. FACTORED RESISTANCE-UPLIFT	MIN. FACTORED RESISTANCE-NORMAL	a (mm)	b (mm)
CP-L3-01-DETAIL S505S	42.05 kN	210 kN	178	-
CP-L3-02-STEEL PLATES-DETAIL 4/S505	-	-	-	-

NOTE:
1. USE FASTENERS AS PER MANUFACTURER SPECIFICATION, WHERE THE PLYWOOD SHIMS ARE USED LONGER FASTENERS
2. SEE TYP. DETAIL 1/S505N
3. USE PLYWOOD SHIMS ON EACH FACE OF BEAM. WHEN COLUMN CAP IS WIDER THAN BEAM
4. EXISTING CONDITION SHALL BE CHECKED PRIOR PURCHASE.

HOLDOWN SCHEDULE SEE S002 AND HOLDOWN LAYOUT DIAGRAMS FOR EXTERIOR WALLS AT GL 1 & 4 ON S601

PWGSC – B1 – 1000X707

0 10 20 30 40 50 60 70 80 90 100mm

Parks Canada Parcs Canada

Consultant

RATIO

TN

NORTH

Seal

PROFESSIONAL ENGINEER PIETR POLIVKA TERRITORY 1449024460

February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 1449024460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

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

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

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PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
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Drawing title/Titre du dessin

LEVEL 3 FLOOR/CEILING FRAMING

Project No./No. du projet	Sheet/ Feuille	Revision no./ Le Révision no.
PRO 842	S104	1

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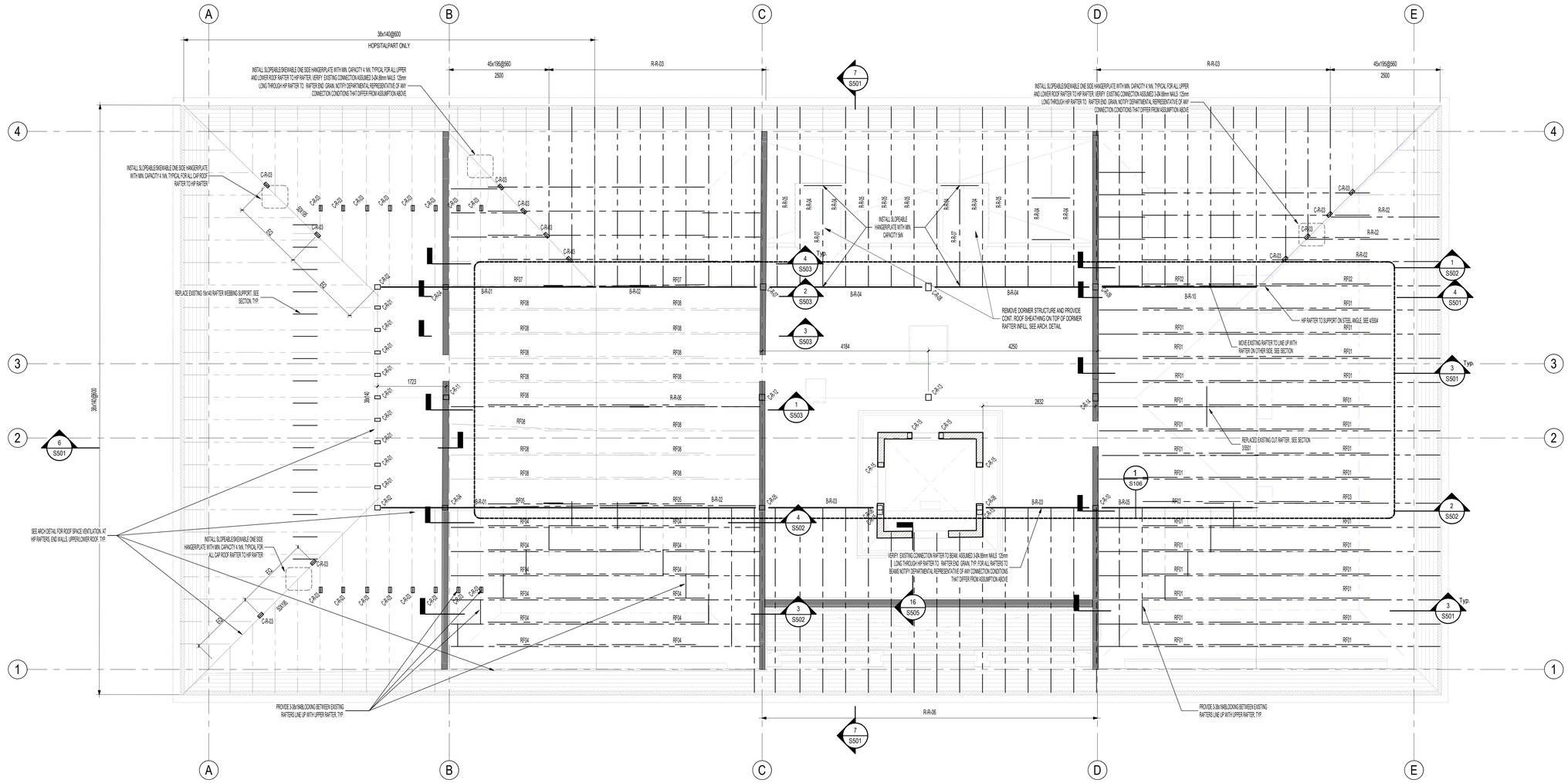

NOTE:

1. FRAMING LAYOUT NOT REFLECTING EXACT LOCATION OF STRUCTURAL MEMBERS, LAYOUT IS TO ILLUSTRATE DESIGN CONCEPT.
2. ALL EXISTING ROOF MEMBERS SUCH AS A RAFTERS AND BEAMS AND SUPPORT STRUCTURAL MEMBERS SHALL BE RE-LEVELED PRIOR UPGRADE WORK , FOR DETAILS SEE GENERAL NOTES ON S001 - EXISTING STRUCTURE LEVELING.
3. SEE TABLES ON S106
4. FOR FALL ARREST ANCHOR POINT SEE ARCH. DRAWINGS. THE ANCHOR POINTS SHALL BE INSTALL ON DOUBLED RAFTER AND THE NEW PLYWOOD SHEATHING SHALL BE NAILED ALONG FULL LENGTH OF LOWER AND UPPER RAFTER WITH 75mm LONG NAILS AT 50mm o/c.
5. FOR EXACT SIZE OF THE WALL OPENING SEE ARCH. DRAWINGS AND SCHEDULE.
6. SEE ARCH DETAIL FOR ROOF SPACE VENTILATION.
7. UNDERSIDE OF THE EXISTING JOIST AFTER UPGRADE SHALL NOT BE CHANGED.

1 S105 FRAMING ROOF PLAN

1 : 50

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February 8, 2021

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Drawing title/Titre du dessin

ROOF PLAN

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	S105	1

PWGSC – B1 – 1000X707

0 10 20 30 40 50 60 70 80 90 100mm

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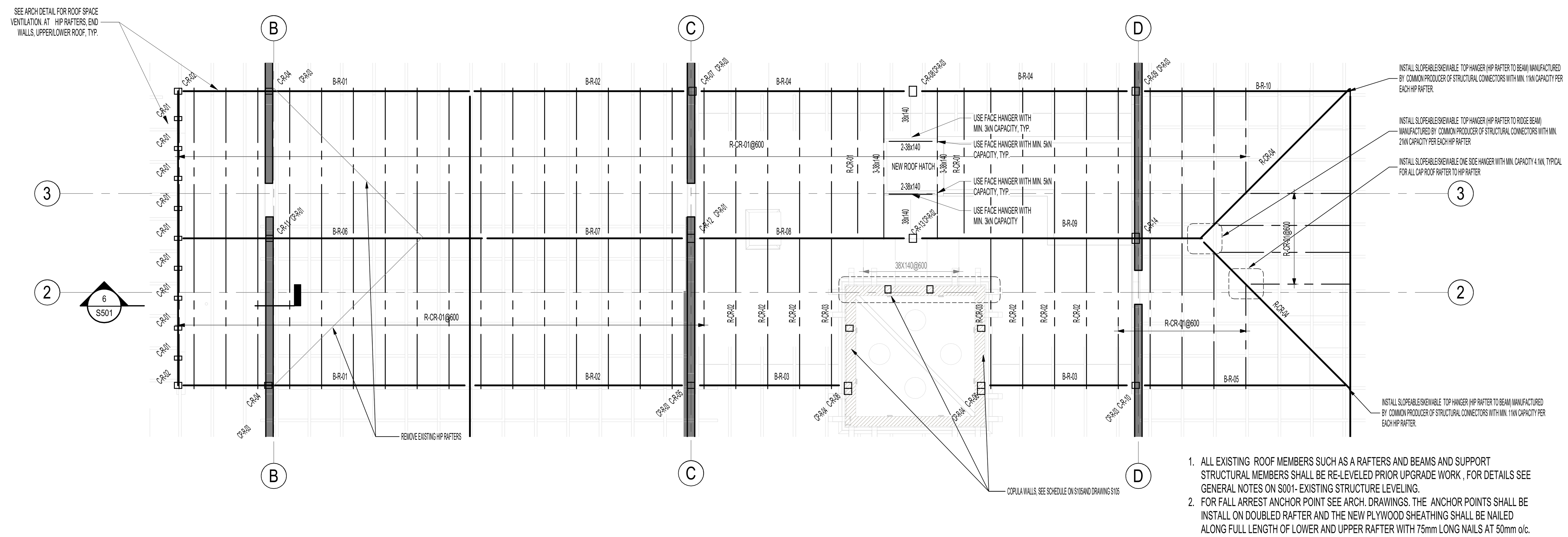

1. ALL EXISTING ROOF MEMBERS SUCH AS A RAFTERS AND BEAMS AND SUPPORT STRUCTURAL MEMBERS SHALL BE RE-LEVELED PRIOR UPGRADE WORK , FOR DETAILS SEE GENERAL NOTES ON S001- EXISTING STRUCTURE LEVELING.
2. FOR FALL ARREST ANCHOR POINT SEE ARCH. DRAWINGS. THE ANCHOR POINTS SHALL BE INSTALL ON DOUBLED RAFTER AND THE NEW PLYWOOD SHEATHING SHALL BE NAILED ALONG FULL LENGTH OF LOWER AND UPPER RAFTER WITH 75mm LONG NAILS AT 50mm o/c.
3. SEE ARCH DETAIL FOR ROOF SPACE VENTILATION. AT HIP RAFTERS, END WALLS, UPPER/LOWER ROOF, TYP.

NORTH

1 / S106 CAP ROOF FRAMING PLAN
1 : 50

RAFTER/ROOF FRAME SCHEDULE

RAFTER DESIGNATION	EXISTING RAFTER SIZE AND SPACING	NEW RAFTER SIZE AND SPACING	DETAIL
R-CR-01	38x140@max. 600	EXIST. + NEW 2-38x140 @ max. 600mm	7/S501
R-CR-02	38x140@max. 600	EXIST. + NEW 3-38x140@ max. 600mm	7/S501
R-CR-03	38x140@max. 600	EXIST. + NEW 4-38x140 @ max. 600mm	7/S501
R-CR-04	50x190	EXIST. 50x190+ NEW 2x44x235 2.0e LVL	
R-R-01	45x195	EXIST. 45x195* + NEW 2-38x184	3/S502
R-R-02	45x195	EXIST. 45x195 + NEW 44x184 LVL	1/S502
R-R-03	45x195@max. 560	EXIST. 45x195+ NEW 38x184 @ max. 560mm	7/S501
R-R-04	38x140	EXIST. 38x140+ NEW 2-38x184	7/S501 & 16/S501
R-R-05	38x140@max. 560	EXIST. 38x140+ NEW 2-38x184@ max. 560mm	7/S501 & 16/S501
R-R-06	38x140@max. 560	EXIST. 38x140+ NEW 38x184@ max. 560mm	7/S501
RF01			3/S501
RF02			4/S501
RF03			2/S502
RF04			3/S502
RF05			4/S502
RF06			1/S503
RF07			2/S503
RF08			3/S503

NOTE:
1. * EXISTING CUT RAFTER 45x195 SHALL BE SPLICED WITH FULL LENGTH 2-38x184, EXISTING CROSS BEAM CUT.
2. R-CR-01 - PROVIDE HORIZONTAL JOIST 2-38x140 EVERY 4TH (1200mm) O/AC, AS SHOWN ON SECTION.
3. UNLESS NOTED OTHERWISE (SEE DETAIL 1/S503) ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS-SEE S001.
4. UNLESS NOTED OTHERWISE IN DETAILS FULL LENGTH OF EXISTING RAFTER SHALL BE UPGRADED.
5. ALL NEW AND/OR EXISTING LUMBER IN CONTACT WITH NEW ADDITIONAL STEEL SHALL BE FINISHED WITH A WEATHER RESISTANT COATING.

ROOF/LEVEL 3 BEAM SCHEDULE

BEAM DESIGNATION	EXISTING BEAM SIZE	NEW BEAM SIZE	DETAIL
B-R-01	50x190	EXIST. 50x190+ NEW 2-44x302 2.0e LVL	7/S501
B-R-02	50x190	EXIST. 50x190+ NEW 2-44x356 2.0e LVL	7/S501
B-R-03	UNKNOWN	EXIST. 50x190+ NEW 2-44x302 2.0e LVL	7/S501
B-R-04	UNKNOWN	EXIST. 50x190+ NEW 2-44x356 2.0e LVL	7/S501
B-R-05	50x190	EXIST. 50x190+ NEW 2-44x302 2.0e LVL	7/S501
B-R-06	64x228	EXIST. 64x228+ NEW 2-44x302 2.0e LVL	7/S501
B-R-07	64x228	EXIST. 64x228+ NEW 2-44x302 2.0e LVL	7/S501
B-R-08	64x228	EXIST. 64x228+ NEW 2-44x356 2.0e LVL	7/S501
B-R-09	64x228	EXIST. 64x228+ NEW 4-44x356 2.0e LVL	7/S501
B-R-10	50x190	EXIST. 50x190+ NEW 2-44x356 2.0e LVL	7/S501

NOTE:
1. UNLESS NOTED OTHERWISE (SEE DETAIL 1/S503) ALL ADDITIONAL PLIES SHALL BE ATTACHED TO EXISTING BEAM/JOIST FOLLOWING BUILT-UP BEAMS REQUIREMENTS-SEE S001.
2. FULL LENGTH OF THE BEAM SHALL BE UPGRADED.

ROOF/LEVEL 3 COLUMN SCHEDULE

COLUMN DESIGNATION	EXISTING COLUMN SIZE	NEW COLUMN SIZE
C-R-01	38x140	EXIST. 38x140 + NEW 2-38x184*
C-R-02	2-38x140	EXIST. + NEW3-38x140 + 2x38x140**
C-R-03	-	2-38x140
C-R-04	-	3-38x140
C-R-05	UNKNOWN	3-38x140
C-R-06	UNKNOWN	3-38x140
C-R-07	UNKNOWN	4-38x140
C-R-08	UNKNOWN	5-38x140
C-R-09	UNKNOWN	4-38x140
C-R-10	UNKNOWN	3-38x140
C-R-11	UNKNOWN	3-38x140
C-R-12	UNKNOWN	4-38x140
C-R-13	UNKNOWN	4-38x140
C-R-14	UNKNOWN	5-38x140
C-R-15	50x89	EXIST. 50x89 + NEW 2-38x140

NOTE:
1. * EXISTING STUD 38x140 SUPPORTING BEAM ABOVE, NEW 2-38x140 DIRECTLY SUPPORTING RAFTERS
2. ** 2 FULL LENGTH ADDITIONAL PLIES 38x140 SHALL PROVIDE SUPPORT FOR HIP RAFTER
3. C-R-04,05,06,07,09,10,11 NEW PLYWOOD SHEATHING SHALL BE NAILED TO COLUMNS
4. ALL COLUMNS SHALL BE BLOCKED AT FLOOR LEVEL

COLUMN CAP SCHEDULE

COLUMN CAP DESIGNATION	MIN. FACTORED RESISTANCE-UPLIFT	MIN. FACTORED RESISTANCE-NORMAL	a (mm)	b (mm)
CP-R-01	42.26 kN	216.61 kN	175	140
C-R-02	42.26 kN	285.65 kN	241	140
C-R-03	39.39 kN	165.37 kN	140	140
C-R-04 (END CAP)	24.38 kN	82.70 kN	140	140

NOTE:
1. USE FASTENERS AS PER MANUFACTURER SPECIFICATION, WHERE THE PLYWOOD SHIMS ARE USED LONGER FASTENERS
2. SEE TYP. DETAIL 13/S501
3. USE PLYWOOD SHIMS ON EACH FACE OF BEAM WHEN COLUMN CAP IS WIDER THAN BEAM
4. EXISTING CONDITION SHALL BE CHECKED PRIOR PURCHASE.

LEVEL 3 SHEAR WALL/ LOAD BEARING WALL SCHEDULE

	WALL LOCATION	EXISTING WALL STUDS	NEW WALL STUDS	SHEATHING	NAILING
	INTERIOR GL B	-	38x140 @ 610mm o/c	12.5mm PLYWOOD	75mm NAILS @ 100 o/c
	INTERIOR GL C	50x140 @ 560mm o/c	-	12.5mm PLYWOOD	75mm NAILS @ 100 o/c
	INTERIOR GL D	50x140 @ 560mm o/c	-	12.5mm PLYWOOD	75mm NAILS @ 100 o/c
	INTERIOR GL 1+1.6/C-D	-	38x140 @ 406mm o/c	12.5mm PLYWOOD	75mm NAILS @ 100 o/c
	COPULA WALLS	50x89 @ UNKNOWN BUT MAX. 600mm o/c	EXIST. 50x89 + NEW 38x140 @ 400mm o/c**	EXISTING	-

NOTE:
1. ALL WALL STUDS SHALL BE CONTINUOUS FROM BOTTOM PLATE TO DOUBLE TOP PLATE, NOT CONTINUOUS STUDS SHALL BE SPLICED WITH NEW CONT. STUDS, AS PER SCHEDULE.
2. ALL PLYWOOD EDGES SUPPORTED BY STUDS AND SOLID BLOCKING, SEE GENERAL NOTES.
3. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES, THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm o/c.
4. WALL PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.
5. ALL SHEAR WALLS - PERIMETER WALLS & GL B,C,D SHALL HAVE CONT. DOUBLE TOP PLATE.
6. ** CONFIRM FULL HEIGHT OF THE STUD TO DEPARTMENTAL REPRESENTATIVE PRIOR TO UPGRADE COPULA WALLS FOR APPROVAL. REINSTALL EXISTING DIAGONAL SHEATHING AFTER WALL STUDS UPGRADE.

ROOF DIAPHRAGM SCHEDULE

LOCATION	FRAMING	SHEATHING	NAILING
GL 1-4/A-E	VAR@ VAR. MAX. 610mm o/c	EXISTING 25mm THICK SHEATHING(PLANKS)AND INSTALL 15.5mm PLYWOOD, DAMAGED SHEATHING SHALL BE REPLACED	NEW PLYWOOD - 75mm LONG NAILS @ MAX. 100 o/c TO JOIST, 50mm NAILS@ 100mm o/c TO EXIST. SHEATHING

NOTE:
1. WHERE EXISTING. SHEATHING IS TEMPORARILY REMOVED AND RE-INSTALLED OR DAMAGED AND REPLACED USE 4-64mm LONG NAILS TO JOIST, SEE GENERAL NOTES - TIMBER.
2. NAILING PATTERNS NOTED ABOVE PERTAIN ONLY TO SHEATHING PANEL EDGES, THE INTERIOR OF THE SHEATHING PANELS MAY BE NAILED AT 300mm o/c.
3. ROOF OPENING AND PENETRATIONS SHALL BE ADEQUATELY REINFORCED AND BLOCKED WITH FRAMING MEMBERS AND FASTENERS (64mm LONG NAILS @ 64mm O/C) TO MAINTAIN DIAPHRAGM ACTION.

Parks Canada Parcs Canada

Consultant
RATIO

Seal
PROFESSIONAL ENGINEER YUKON TERRITORY PETR POLIVKA 144902460 February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project: 144902460
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Association of Professional Engineers of Yukon

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301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

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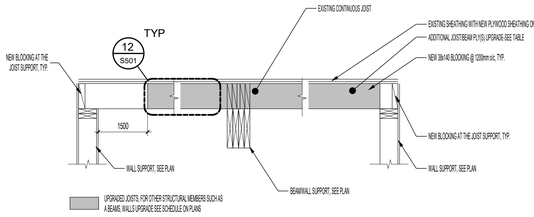
PETR POLIVKA

PCA PROJECT LEAD
TRAVIS WEBER

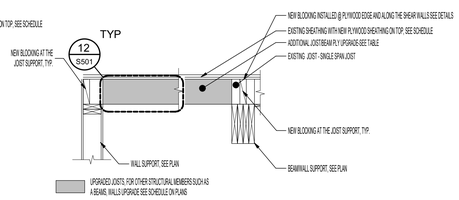
PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin
CAP ROOF PLAN

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	S106	1



1 S501 FLOOR JOIST UPGRADE SECTION
1 : 20



2 S501 FLOOR JOIST UPGRADE SECTION
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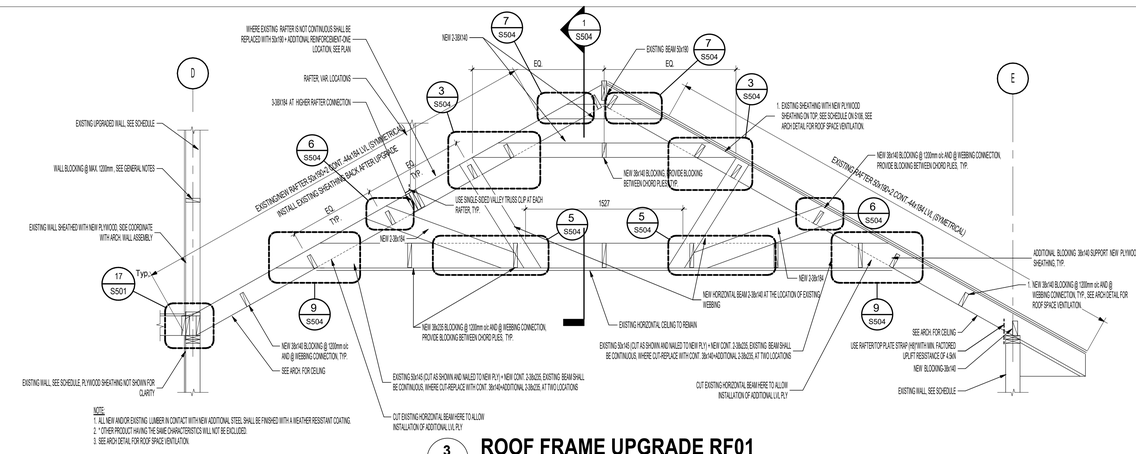
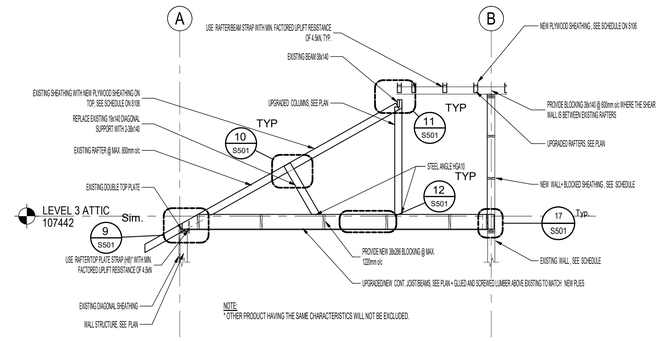
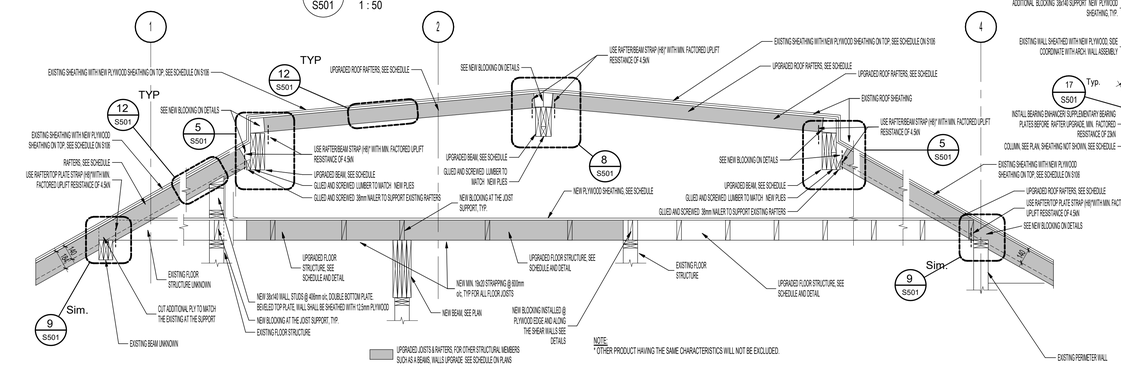


3 S501 ROOF FRAME UPGRADE RF01
1 : 25



6 S501 ROOF SECTION
1 : 50



7 S501 ROOF SECTION
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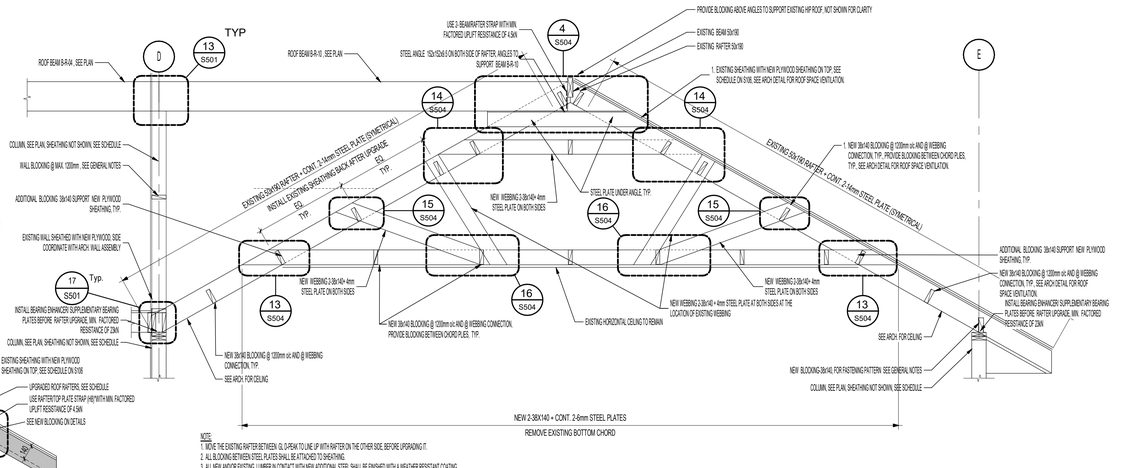
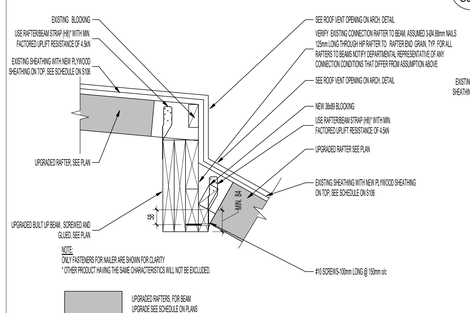


4 S501 ROOF FRAME UPGRADE RF02
1 : 25



5 S501 BEAM/RAFTER CONENCTION DETAIL
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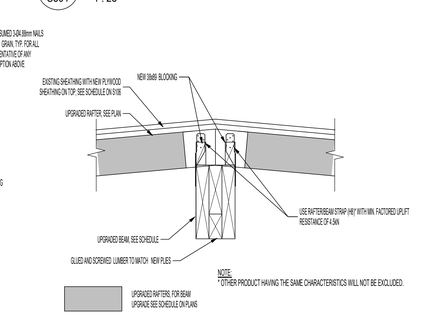

8 S501 BEAM/RAFTER PEAK CONNECTION DETAIL
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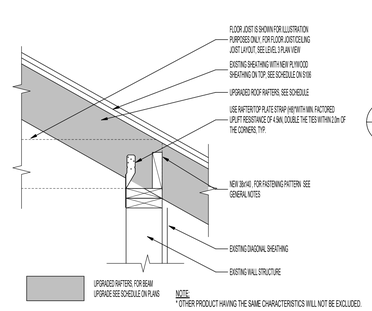

9 S501 TYP. RAFTER/WALL DETAIL
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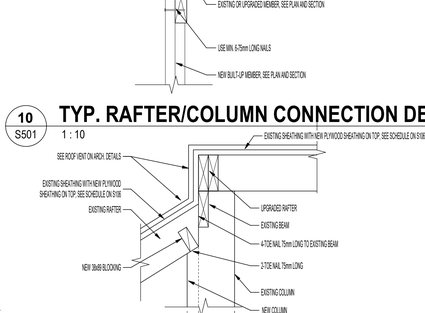
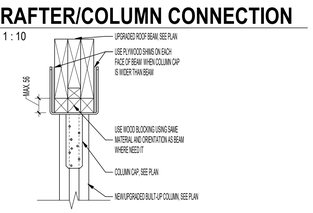
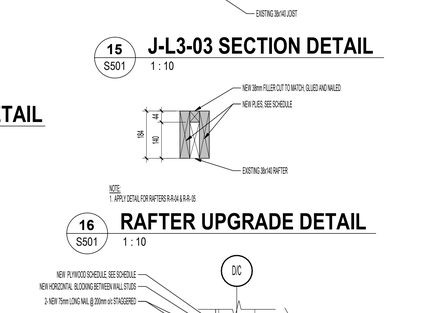


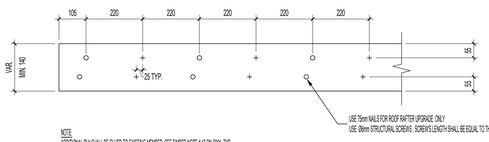
10 S501 TYP. RAFTER/COLUMN CONNECTION DETAIL
1 : 10



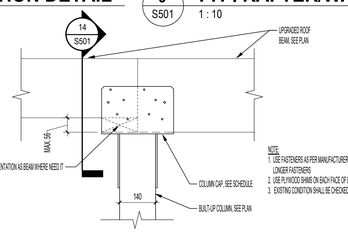
11 S501 RAFTER/COLUMN CONNECTION
1 : 10



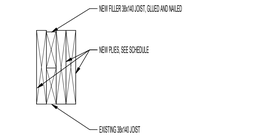
12 S501 RAFTER/JOIST UPGRADE FASTENER'S LAYOUT
1 : 10



13 S501 TYP. ROOF BEAM/COLUMN CONNECTION DETAIL
1 : 10

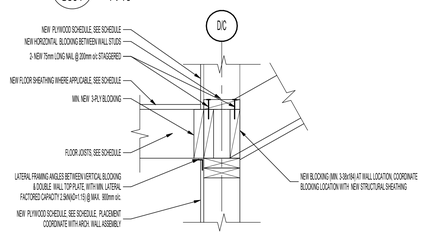


14 S501 TYP. ROOF BEAM/COLUMN CONNECTION DETAIL
1 : 10



15 S501 J-L3-03 SECTION DETAIL
1 : 10

16 S501 RAFTER UPGRADE DETAIL
1 : 10



17 S501 INTERIOR SHEAR WALL BLOCKING
1 : 10

Parks Canada Parcs Canada

Consultant

RATIO

Seal

PROFESSIONAL ENGINEER PETR POLIVKA TERRITORY 144902460

February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.5 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

Consultant Signature Box Only

Designed by/Concept par
PETR POLIVKA

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PETR POLIVKA

PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

SECTION DETAILS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	S501	1

PWGSC – B1 – 1000X707

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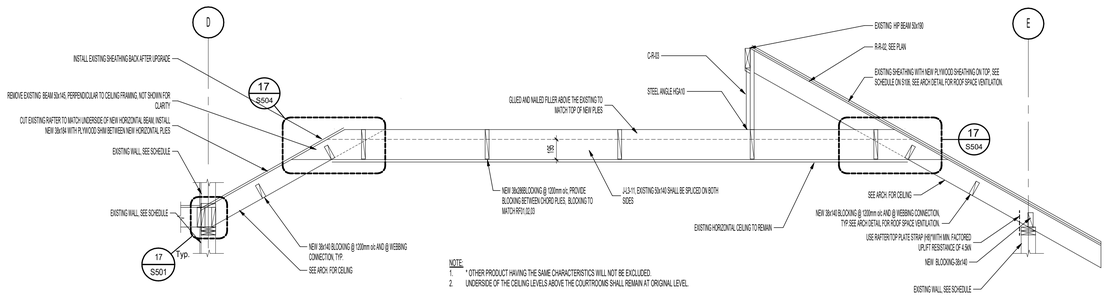
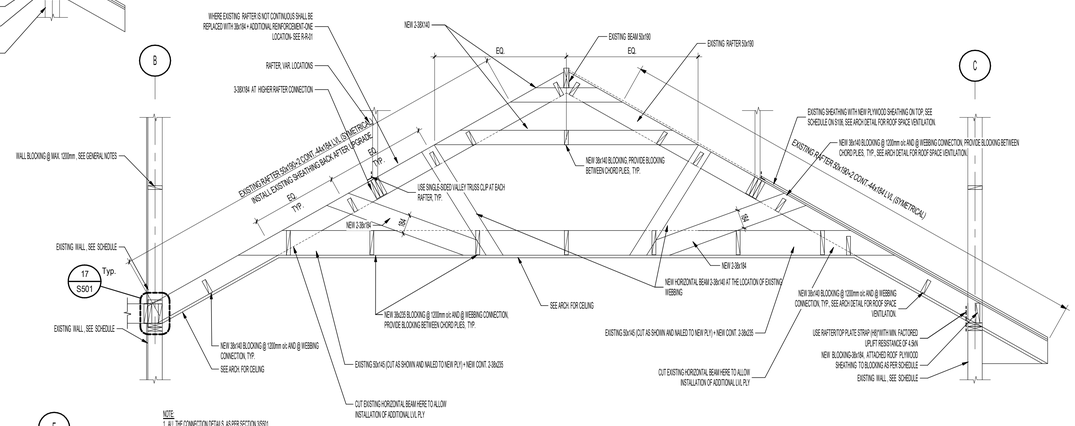


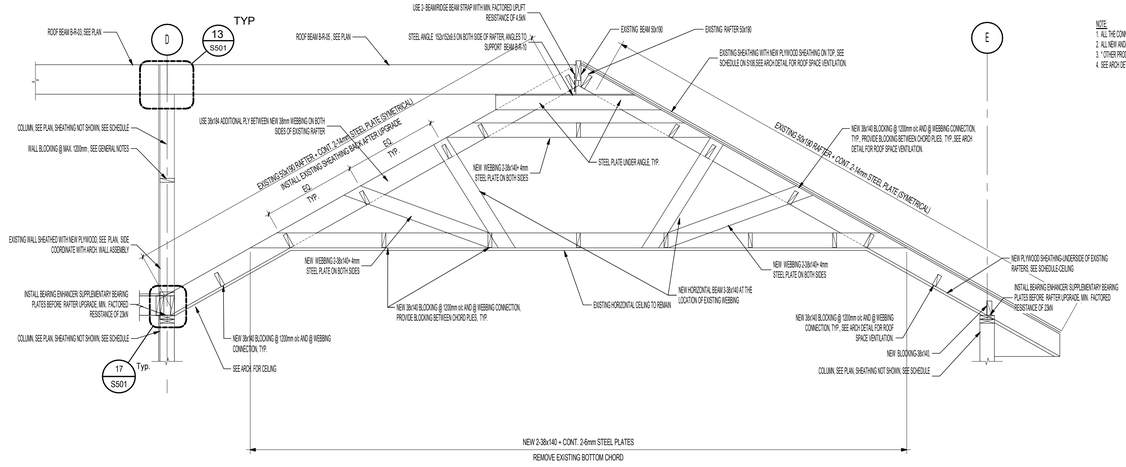
NOTE:
1. * OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED
2. UNDERSIDE OF THE CEILING LEVELS ABOVE THE COURTROOMS SHALL REMAIN AT ORIGINAL LEVEL

1 S502 ROOF CEILING UPGRADE
1 : 25



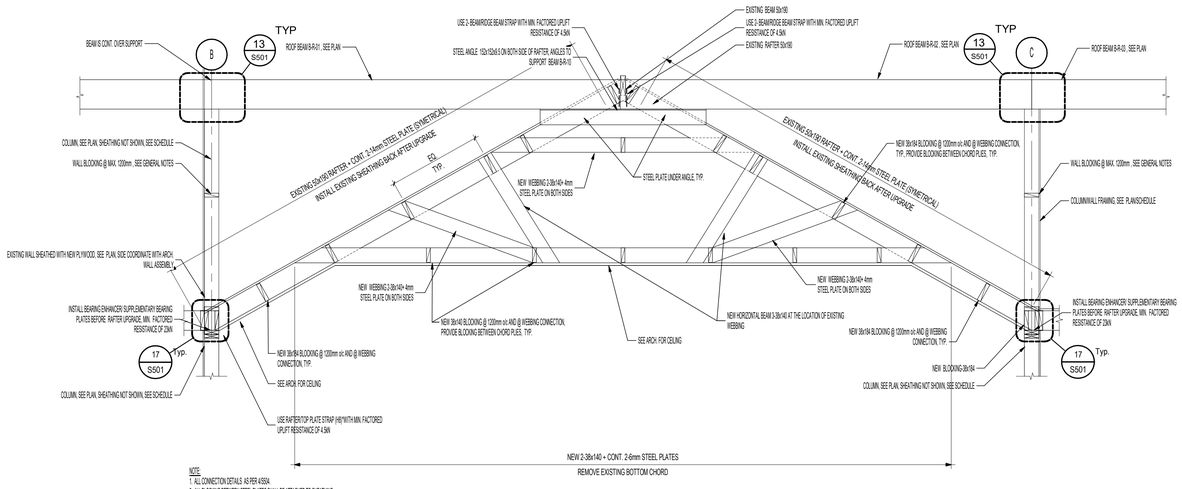
NOTE
1. ALL THE CONNECTION DETAILS AS PER SECTION 3/S501
2. ALL NEW AND/OR EXISTING LUMBER IN CONTACT WITH NEW ADDITIONAL STEEL SHALL BE FINISHED WITH A WEATHER RESISTANT COATING.
3. * OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.
4. SEE ARCH DETAIL FOR ROOF SPACE VENTILATION.

3 S502 ROOF FRAME UPGRADE RF04
1 : 25



NOTE:
1. ALL CONNECTION DETAILS AS PER 4/S504.
2. ALL BLOCKING BETWEEN STEEL PLATES SHALL BE ATTACHED TO SHEATHING.
3. ALL NEW AND/OR EXISTING LUMBER IN CONTACT WITH NEW ADDITIONAL STEEL SHALL BE FINISHED WITH A WEATHER RESISTANT COATING.
4. * OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED)

2 S502 ROOF FRAME UPGRADE RF03
1 : 25



NOTE:
1. ALL CONNECTION DETAILS AS PER 4/S504.
2. ALL BLOCKING BETWEEN STEEL PLATES SHALL BE ATTACHED TO SHEATHING.
3. ALL NEW AND/OR EXISTING LUMBER IN CONTACT WITH NEW ADDITIONAL STEEL SHALL BE FINISHED WITH A WEATHER RESISTANT COATING.
4. * OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.

4 S502 ROOF FRAME UPGRADE RF05
1 : 25

Parks Canada Parcs Canada

Consultant

RATIO

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PROFESSIONAL ENGINEER
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TERRITORY
144902460
February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2,3 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

Consultant Signature Box Only

Designed by/Concept par
PETR POLIVKA

Drawn by/Dessine par
PETR POLIVKA

PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

SECTION DETAILS

Project No./No. du projet	Sheet/ Feuille	Revision no./ Le Révision no.
PRO 842	**S502**	**1**

PWGSC – B1 – 1000X707

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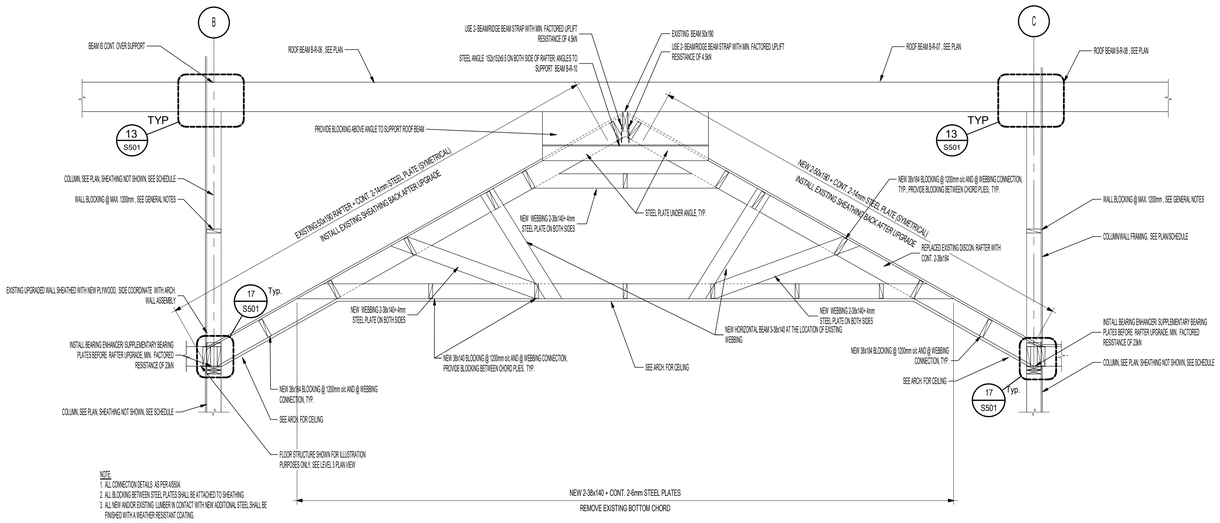
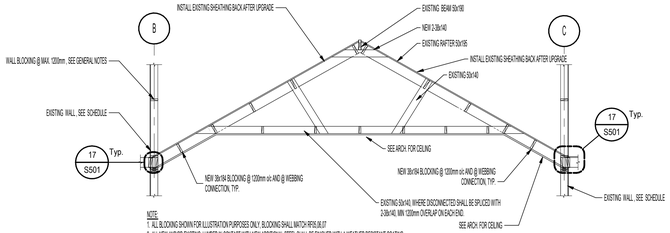


1 S503 ROOF FRAME UPGRADE RF06

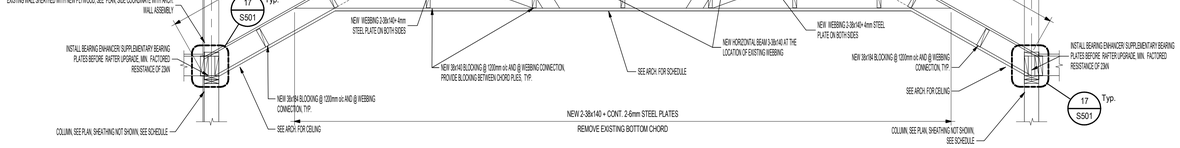
1 : 25



NOTE:
1. ALL BLOCKING SHOWN FOR ILLUSTRATION PURPOSES ONLY, BLOCKING SHALL MATCH RFS BUILT
2. ALL NEW AND/OR EXISTING LUMBER IN CONTACT WITH NEW ADDITIONAL STEEL SHALL BE FINISHED WITH A WEATHER RESISTANT COATING.

3 S503 ROOF FRAME UPGRADE RF08

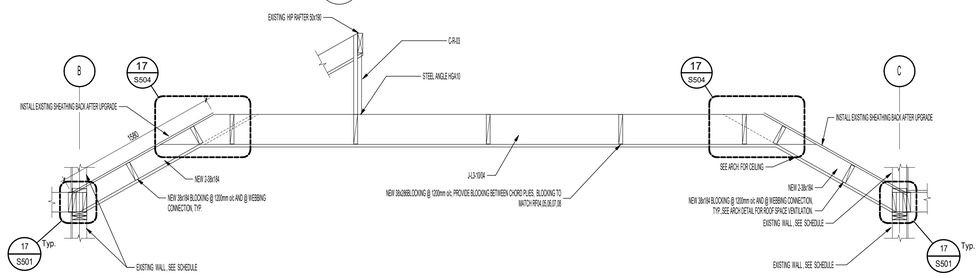
1 : 50



NOTE:
1. MOVE THE EXISTING RAFTER BETWEEN GL-3=PEAK TO LINE UP WITH RAFTER ON THE OTHER SIDE. BEFORE UPGRADING IT.
2. ALL BLOCKING BETWEEN STEEL PLATES SHALL BE ATTACHED TO SHEATHING
3. ALL NEW AND/OR EXISTING LUMBER IN CONTACT WITH NEW ADDITIONAL STEEL SHALL BE FINISHED WITH A WEATHER RESISTANT COATING.

2 S503 ROOF FRAME UPGRADE RF07

1 : 25



4 S503 ROOF CEILING UPGRADE

1 : 25

Parks Canada Parcs Canada

Consultant

RATIO

Seal

PROFESSIONAL ENGINEER
PETR POLIVKA
TERRITORY
14490246O
February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.3 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

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TRAVIS WEBER

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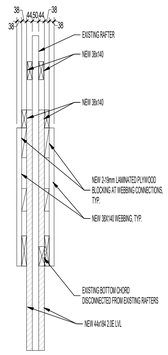
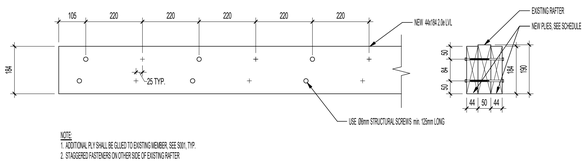
Drawing title/Titre du dessin

SECTION DETAILS

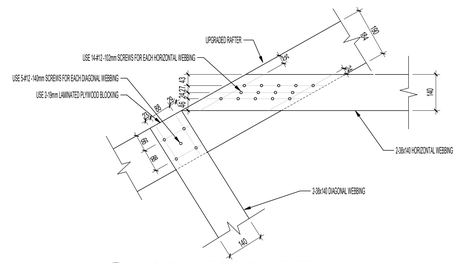
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	**S503**	**1**



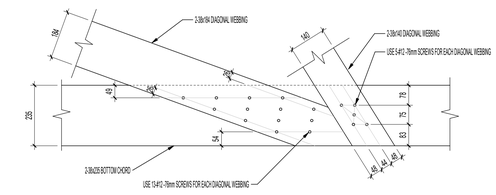
1 S504 **RF01 SECTION**
1 : 20



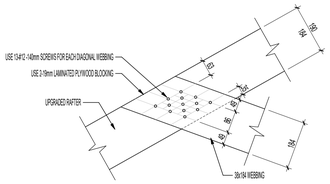
2 S504 **RAFTER-RF01 UPGRADE FASTENER'S LAYOUT**
1 : 10



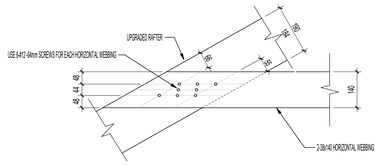
3 S504 **CONNECTION DETAIL 01**
NTS



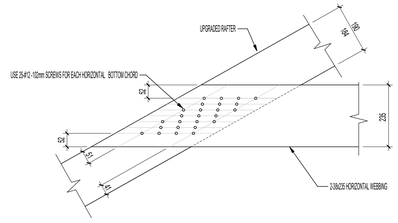
5 S504 **CONNECTION DETAIL 03**
NTS



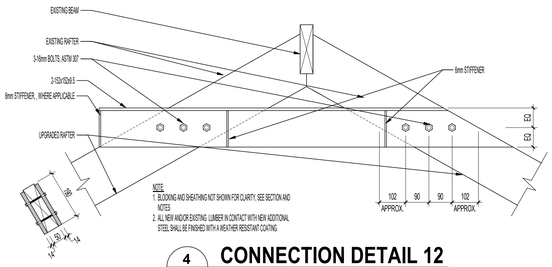
6 S504 **CONNECTION DETAIL 04**
NTS



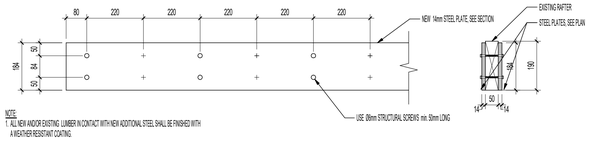
7 S504 **CONNECTION DETAIL 07**
NTS



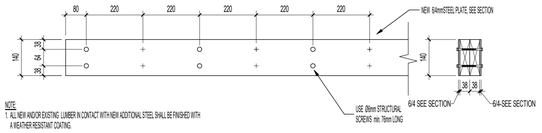
9 S504 **CONNECTION DETAIL 06**
NTS



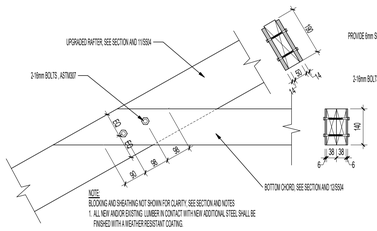
4 S504 **CONNECTION DETAIL 12**
1 : 10



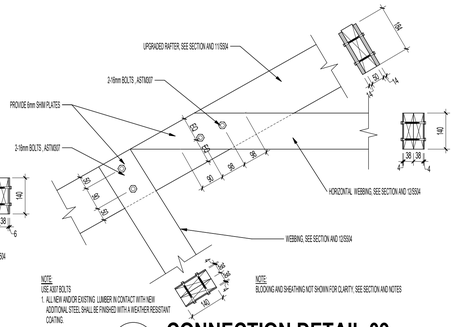
11 S504 **STEEL PLATE RAFTER UPGRADE FASTENER'S LAYOUT**
1 : 10



12 S504 **WEBBING UPGRADE FASTENER'S LAYOUT**
1 : 10



13 S504 **CONNECTION DETAIL 08**
1 : 10



14 S504 **CONNECTION DETAIL 09**
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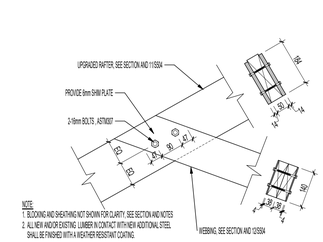
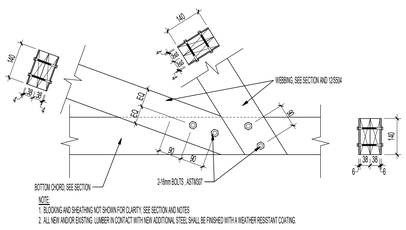
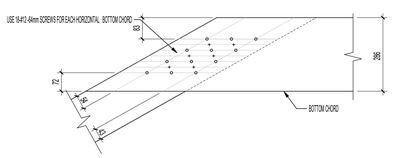


15 S504 **CONNECTION DETAIL 10**
1 : 10



16 S504 **CONNECTION DETAIL 11**
1 : 10



17 S504 **CONNECTION DETAIL 13**
1 : 10

Parks Canada Parcs Canada

Consultant

RATIO

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149024460
ENGINEER
February 8, 2021

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STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 149902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.3 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

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PCA PROJECT LEAD
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PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

DETAILS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	**S504**	**1**

PWGSC – B1 – 1000X707

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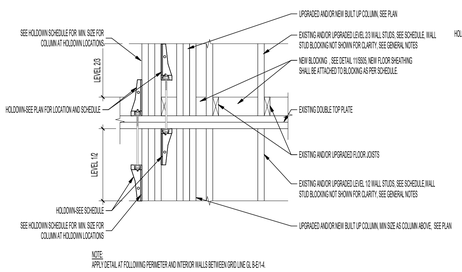
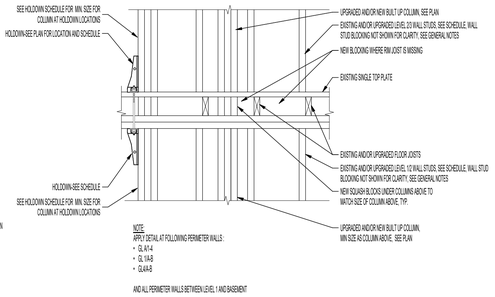


NOTE:
APPLY DETAIL AT FOLLOWING PERIMETER AND INTERIOR WALLS BETWEEN GRID LINE G-L &1-4.

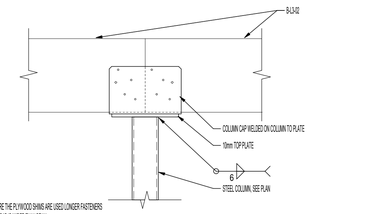
1 S505 TYP. WALL/FLOOR FRAMING DETAIL
1 : 20



NOTE:
APPLY DETAIL AT FOLLOWING PERIMETER WALLS :
- GL/A1-4
- GL 1/A-B
- GL/A4-B

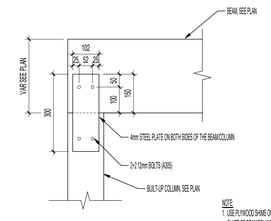
AND ALL PERIMETER WALLS BETWEEN LEVEL 1 AND BASEMENT

2 S505 TYP. WALL/FLOOR FRAMING DETAIL
1 : 20



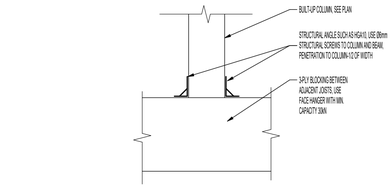
NOTE:
1. USE FASTENERS AS PER MANUFACTURER SPECIFICATION, WHERE THE PLYWOOD SHIMS ARE USED LONGER FASTENERS
2. USE PLYWOOD SHIMS ON EACH FACE OF BEAM WHEN COLUMN CAP IS WIDER THAN BEAM
3. EXISTING CONDITION SHALL BE CHECKED PRIOR PURCHASE.

3 S505 FLOOR BEAM/STEEL COLUMN CONNECTION DETAIL
1 : 10



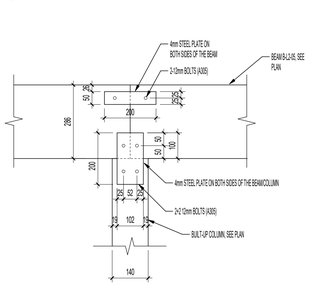
NOTE:
1. USE PLYWOOD SHIMS ON EACH FACE OF BEAM/COLUMN. IF NECESSARY, PLYWOOD SHIMS SHALL BE GLUED TO BEAM/COLUMN.

4 S505 TYP. FLOOR BEAM/ COLUMN CONNECTION DETAIL
1 : 10

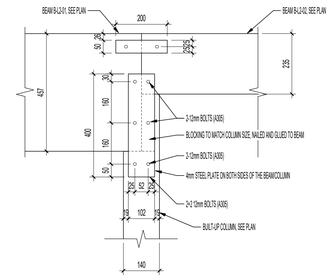


NOTE:
1. ALL COLUMNS SHALL BE BLOCKED AT THE FLOOR LEVEL WITH 38x BLOCKING BETWEEN JOISTS, IF JOISTS ARE PARALLEL TO BEAM. BLOCKING SHALL BE INSTALLED ON BOTH SIDES OF COLUMN. BLOCKING NOT SHOWN FOR CLARITY.

5 S505 TYP.COLUMN/ BEAM CONNECTION DETAIL
1 : 10



6 S505 FLOOR BEAM/ COLUMN CONNECTION DETAIL
1 : 10



7 S505 FLOOR BEAM/ COLUMN CONNECTION DETAIL
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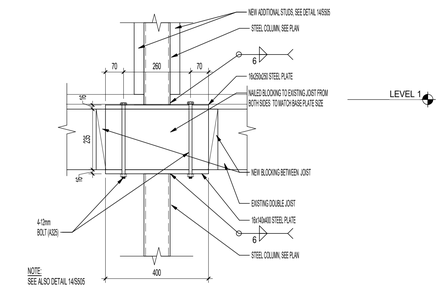
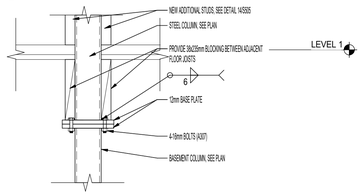
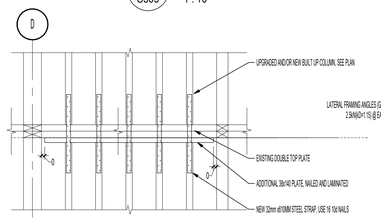


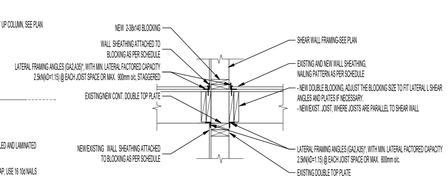
NOTE:
SEE ALSO DETAIL 14/S505

8 S505 STEEL COLUMN DETAIL
1 : 10

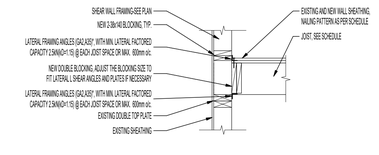


NOTE:
SEE ALSO DETAIL 14/S505

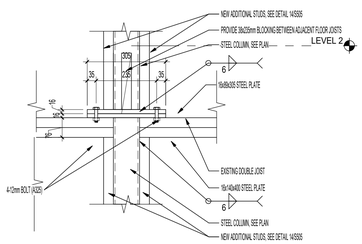




NOTE:
* OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.



NOTE:
* OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.



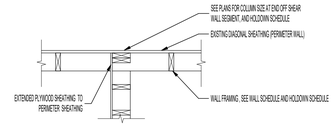
9 S505 STEEL COLUMN DETAIL
1 : 10

10 S505 WALL PLATE UPGRADE DETAIL
1 : 20

11 S505 TYP. INT. SHEAR WALL BLOCKING DETAIL
1 : 20

12 S505 TYP. PERIMETER SHEAR WALL BLOCKING DETAIL
1 : 20

19 S505 STEEL COLUMN DETAIL
1 : 10



13 S505 PERIMETR/INTERIOR SHEAR WALL DETAIL, TYP.
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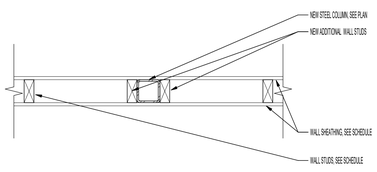

14 S505 STEEL COLUMN IN FRAMED WALL DETAIL, TYP.
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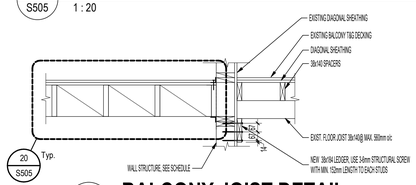

20 S505 Typ.

17 S505 BALCONY JOIST DETAIL
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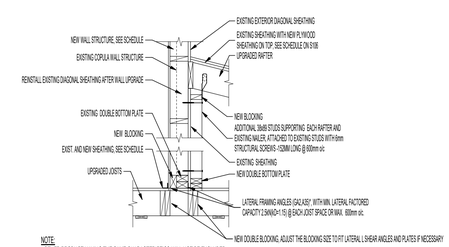
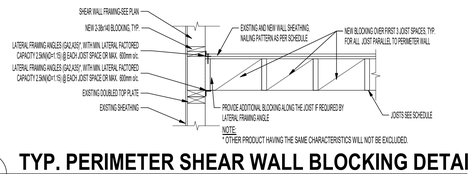


NOTE:
* OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.

16 S505 ROOF/COPULA WALL CONNECTION DETAIL
1 : 20



NOTE:
* OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.

20 S505 TYP. PERIMETER SHEAR WALL BLOCKING DETAIL
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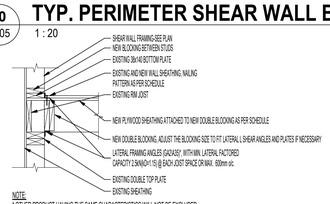

NOTE:
*OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.

21 S505 TYP. PERIMETER SHEAR WALL BLOCKING DETAIL
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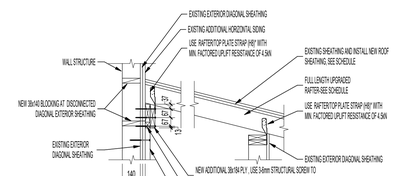
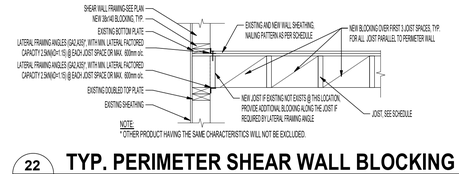


NOTE:
* OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.

15 S505 ROOF/WALL CONNECTION DETAIL
1 : 20



NOTE:
* OTHER PRODUCT HAVING THE SAME CHARACTERISTICS WILL NOT BE EXCLUDED.

22 S505 TYP. PERIMETER SHEAR WALL BLOCKING DETAIL
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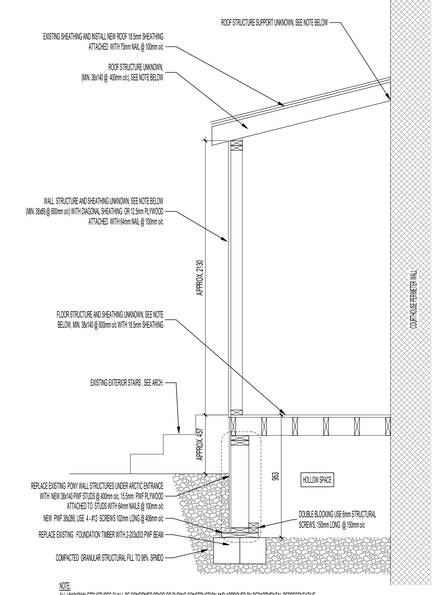

NOTE:
ALL UNKNOWN STRUCTURES SHALL BE CONFIRMED PRIOR OR DURING CONSTRUCTION AND APPROVED BY DEPARTMENTAL REPRESENTATIVE

18 S505 EAST ENTRANCE SECTION
1 : 20

Parks Canada Parcs Canada

Consultant

RATIO

Seal

PROFESSIONAL ENGINEER PETR POLIVKA TERRITORY 14902460
February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2,3 TENDER	2021-03-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

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Drawn by/Dessine par
PETR POLIVKA

PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

DETAILS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	**S505**	**1**

PWGSC – 81 – 10000707

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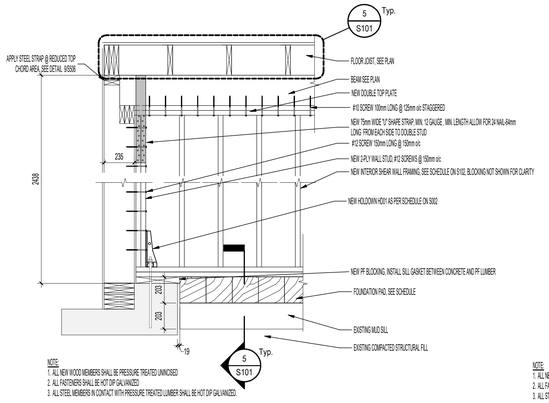

1 S506 INTERIOR WALL HOLDOWN DETAIL
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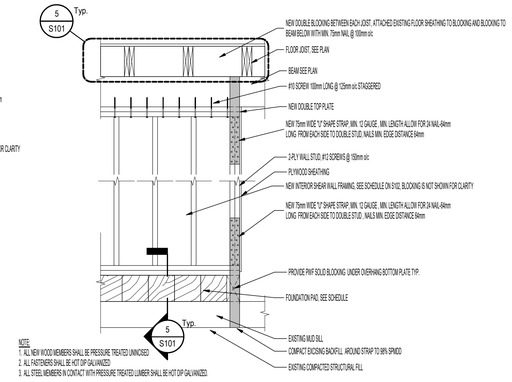

2 S506 INTERIOR WALL HOLDOWN DETAIL
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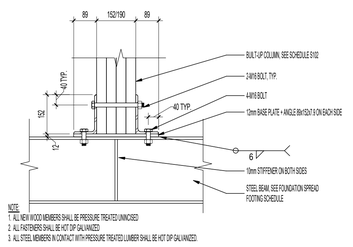

3 S506 WOODEN COLUMN BASE PLATE DETAIL
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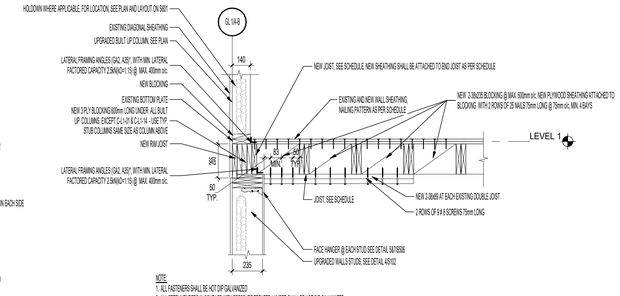

4 S506 FLOOR BLOCKING UNDER BUILT-UP COLUMNS
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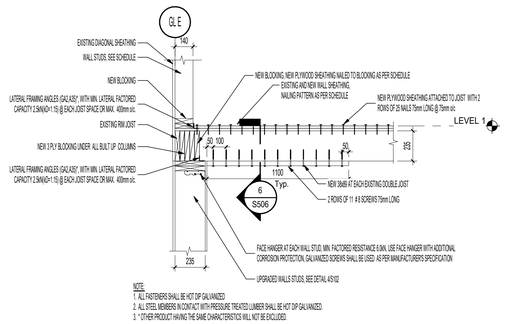

5 S506 BASEMENT WALL STUD LATERAL SUPPORT DETAIL
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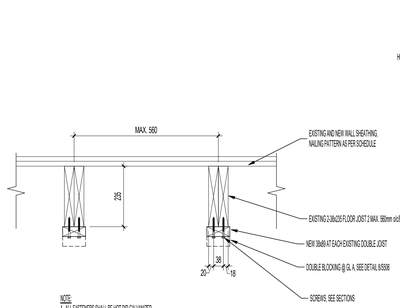

6 S506 FASTENERS DETAIL
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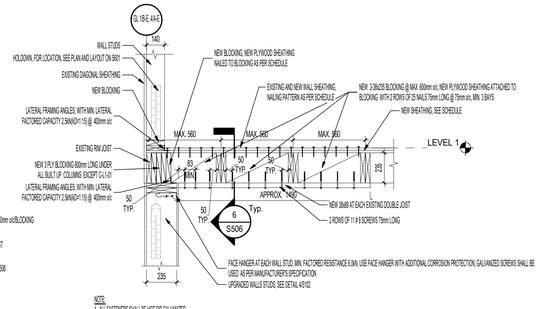

7 S506 BASEMENT WALL STUD LATERAL SUPPORT DETAIL
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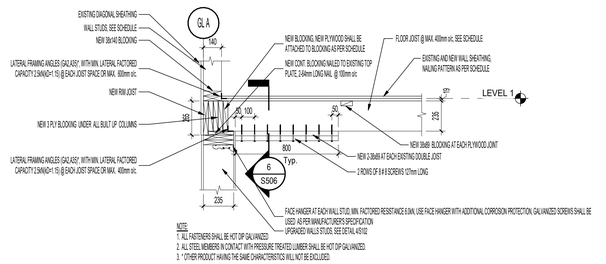

8 S506 BASEMENT WALL STUD LATERAL SUPPORT DETAIL
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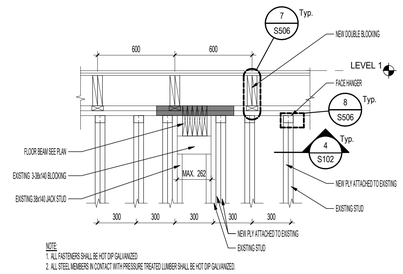

9 S506 FLOOR BEAM SUPPORT DETAIL
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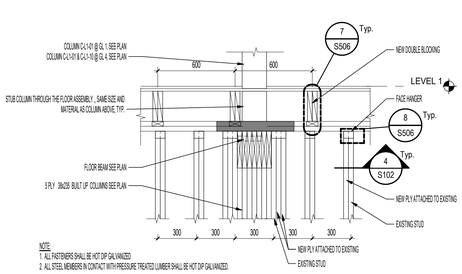

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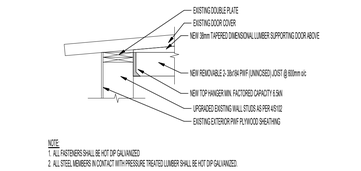

11 S506 ACCESS TO BASEMENT DETAIL
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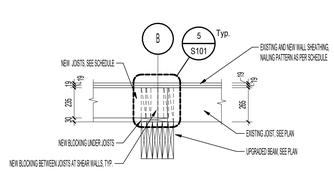

12 S506 FLOOR SECTION
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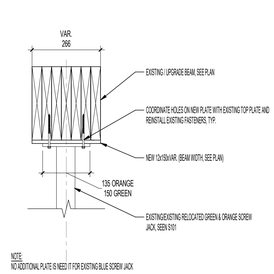

13 S506 EXIST. SCREW JACK TO PLATE DETAIL
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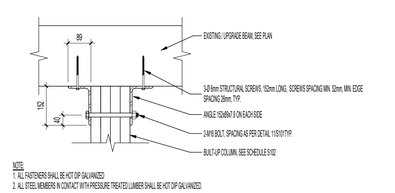

14 S506 BUILT-UP COLUMN/BEAM DETAIL
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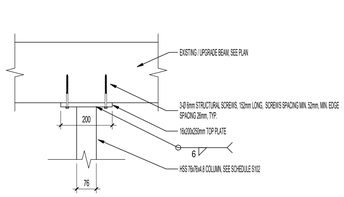

15 S506 STEEL COLUMN/BEAM DETAIL
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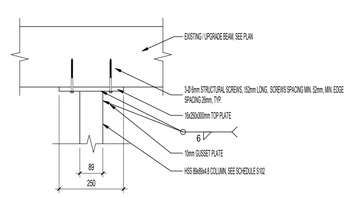

16 S506 STEEL COLUMN/BEAM DETAIL
1 : 10

Parks Canada Parcs Canada

Consultant

RATIO

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PROFESSIONAL ENGINEER
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14902460
February 8, 2021

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STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.3 TENDER	2021-03-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
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FORMER TERRITORIAL COURTHOUSE

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Drawn by/Dessine par
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PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

DETAILS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	S506	1

PWGSC – B1 – 1000x707

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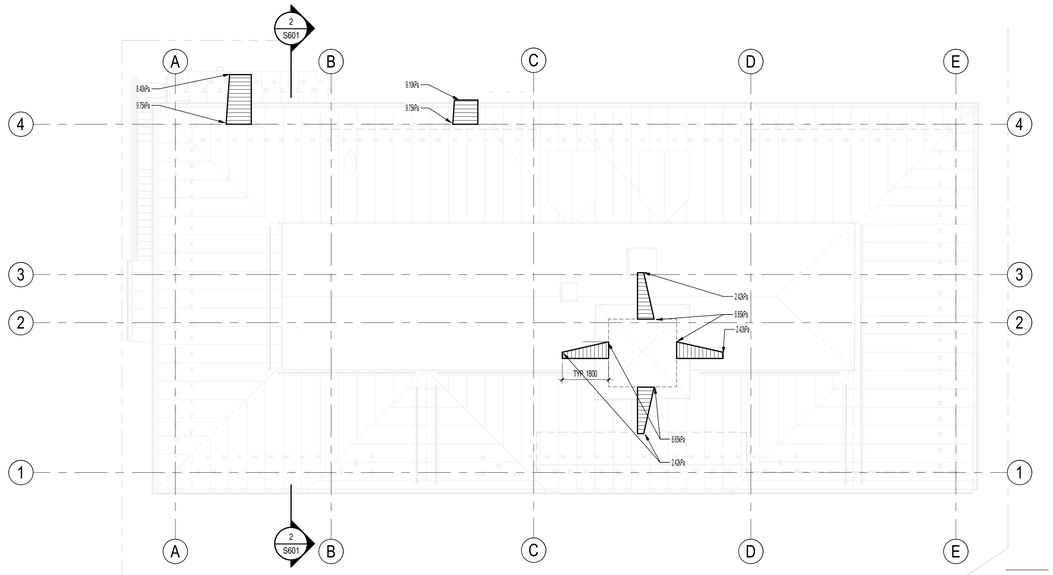
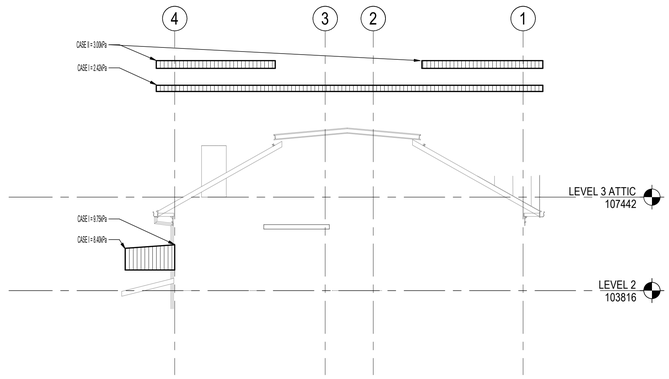


1 S601 SNOW DRIFT UNFACTORED DIAGRAM
1 : 100

3 S601 GL-4 - HOLDOWN LAYOUT DIAGRAM
1 : 100



2 S601 UNFACTORED SNOW LOAD DIAGRAM
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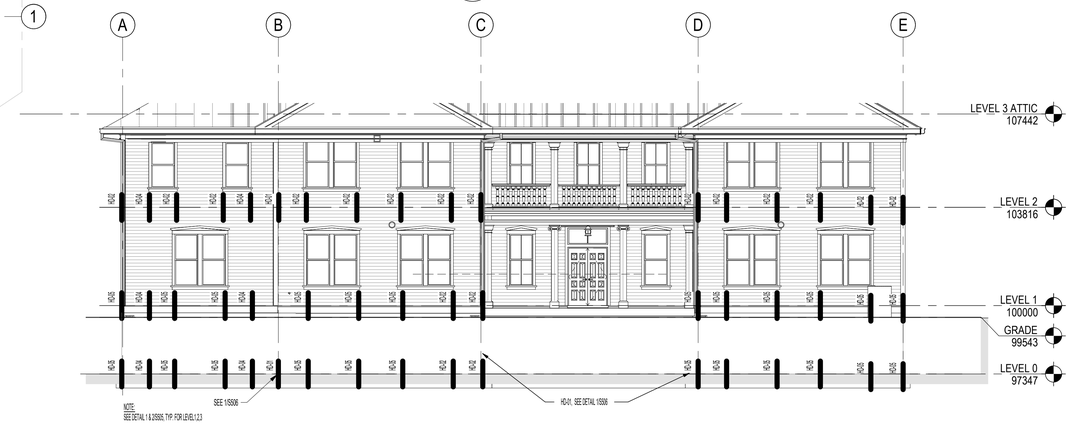

4 S601 GL-1 - HOLDOWN LAYOUT DIAGRAM
1 : 100

Parks Canada Parcs Canada

Consultant

RATIO

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14490246O
February 8, 2021

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STANTEC ARCHITECTURE LTD.
Signature
Date February 8 2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

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

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

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Drawn by/Dessine par
PETR POLIVKA

PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

DIAGRAMS

Project No./No. du projet	Sheet/ Feuille	Revision no./ Lo Révision no.
PRO 842	S601	1

PWGSC – B1 – 1000x707

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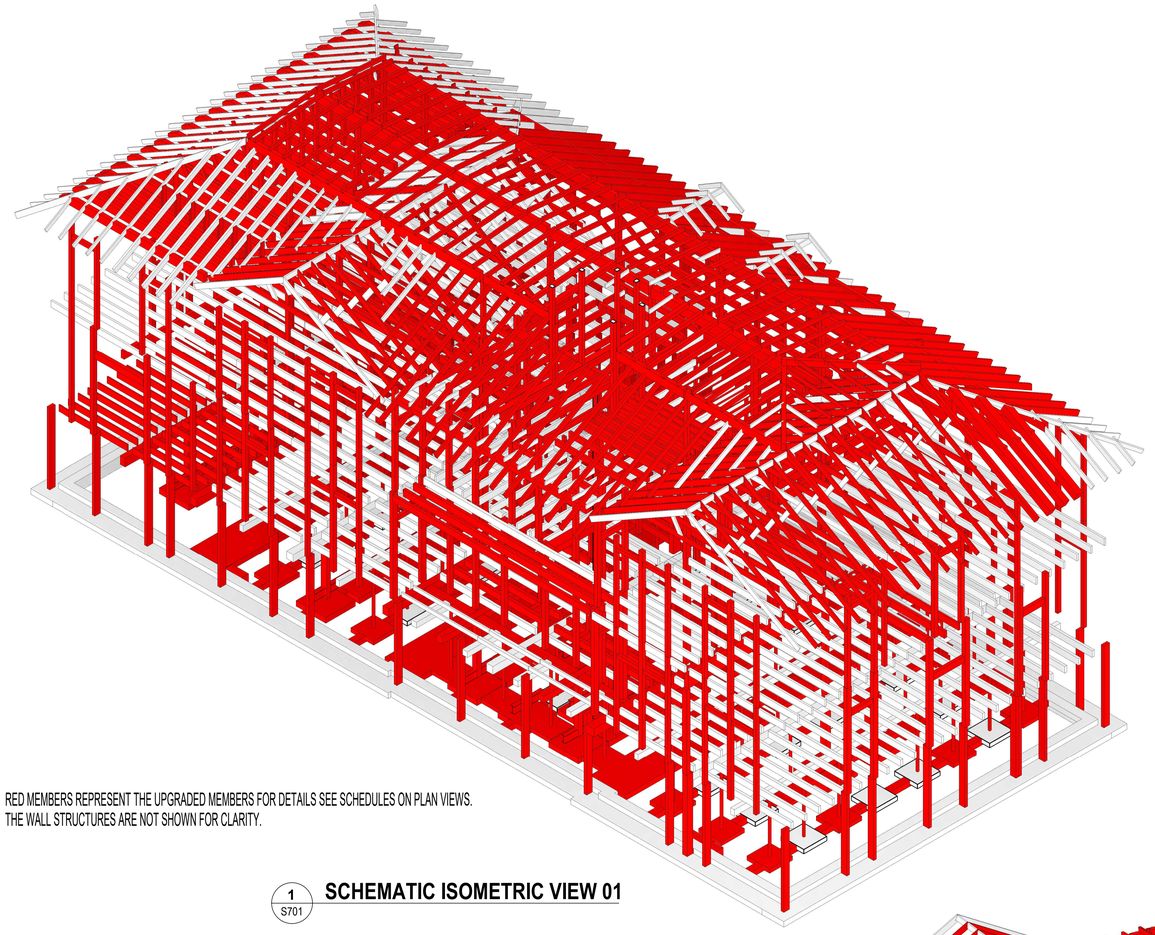
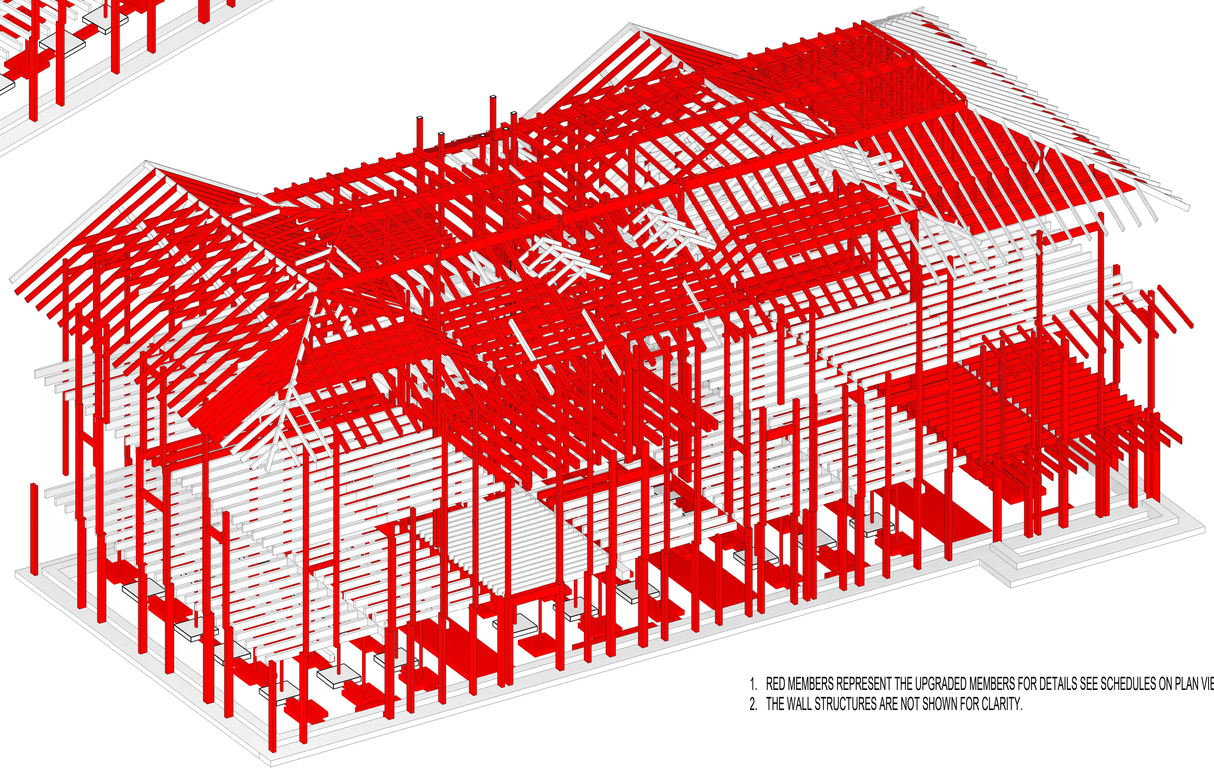


1. RED MEMBERS REPRESENT THE UPGRADED MEMBERS FOR DETAILS SEE SCHEDULES ON PLAN VIEWS.
2. THE WALL STRUCTURES ARE NOT SHOWN FOR CLARITY.

1 S701 **SCHEMATIC ISOMETRIC VIEW 01**



1. RED MEMBERS REPRESENT THE UPGRADED MEMBERS FOR DETAILS SEE SCHEDULES ON PLAN VIEWS.
2. THE WALL STRUCTURES ARE NOT SHOWN FOR CLARITY.

2 S701 **SCHEMATIC ISOMETRIC VIEW 02**

Parks Canada Parcs Canada

Consultant

RATIO

Seal

PROFESSIONAL ENGINEER
PETR POLIVKA
TERRITORY
14490246G
February 8, 2021

PERMIT TO PRACTICE
STANTEC ARCHITECTURE LTD.
Signature
Date February 8,2021 Project 144902460
PERMIT NUMBER: PP315
Association of Professional Engineers of Yukon

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR PHASE 2.5 TENDER	2021-01-29

Client/client

PARKS CANADA

Project title/Titre du projet

301 FRONT STREET
DAWSON, YT Y0B 1G0

FORMER TERRITORIAL COURTHOUSE

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Drawn by/Dessine par
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PCA PROJECT LEAD
TRAVIS WEBER

PCA PROJECT MANAGER
JOSHUA KUMMERFIELD

Drawing title/Titre du dessin

ISOMETRIC VIEW

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
PRO 842	S701	1

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