

GENERAL

1. THIS SET OF DRAWINGS IS INTENDED FOR TEMPORARY WORK TO EXISTING FOUNDATION TO MAINTAIN INTEGRITY OF EXISTING FOUNDATION & MAJOR BUILDING CODE UPGRADE FOR SUPERSTRUCTURE ONLY. IT'S NOT THE INTENT OF THIS TEMPORARY WORK TO PROVIDE FULL UPGRADE TO EXISTING FOUNDATION. IT IS ANTICIPATED THAT CONTINUOUSLY MONITORING OF EXISTING FOUNDATION SHALL BE PROVIDED.
2. THIS SET OF DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATIONS AND WITH THE DRAWINGS AND SPECIFICATIONS FROM ALL OTHER CONSULTANTS. ANY DISCREPANCIES NOTED SHALL BE REPORTED IMMEDIATELY FOR CLARIFICATION.
3. THIS SET OF DRAWINGS SHOWS THE COMPLETED STRUCTURE AND DOES NOT SHOW WORK WHICH MAY BE REQUIRED FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR GENERAL SAFETY ON AND ABOUT THE JOB SITE DURING THE CONSTRUCTION PERIOD AND FOR DESIGN AND ERECTION OF ALL FALSEWORK, SHORING, BRACING ETC. TO ENSURE THE SAFETY OF ALL CONSTRUCTION TEMPORARY LOADS AND TO COMPLETE THE WORK. ALL TEMPORARY WORKS AND SHORING ETC. SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN YUKON TERRITORY. ADHERE STRICTLY TO ALL REQUIREMENTS OF THE WORKER'S COMPENSATION AND SAFETY BOARD.
4. ALL CODE REFERENCES ARE TO LATEST EDITIONS REFERENCED IN THE NATIONAL BUILDING CODE OF CANADA 2010.
5. REFER TO SPECIFICATIONS FOR ALL MATERIAL SPECIFICATIONS AND CODE REFERENCES.

FIELD REVIEW:

1. DEPARTMENTAL REPRESENTATIVE THROUGH CWMM CONSULTING ENGINEERS PROVIDES FIELD REVIEW FOR THE WORK SHOWN ON THE STRUCTURAL DRAWINGS PREPARED BY CWMM CONSULTING ENGINEERS LTD. THIS REVIEW IS A PERIODIC REVIEW AT THE PROFESSIONAL JUDGMENT OF CWMM CONSULTING ENGINEERS LTD. THE PURPOSE IS TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY CWMM CONSULTING ENGINEERS LTD. AND TO FULFILL THE REQUIREMENTS FOR THE COMPLETION OF LETTERS OF ASSURANCE REQUIRED BY THE APPLICABLE BUILDING CODE.
2. ALL NON-CONFORMING WORKS THAT REQUIRE REMEDIAL ACTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY EXTRA TIME OR COST INCURRED TO PWGSC IN RECTIFYING THE WORK SHALL BE BORNE BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT.

EXISTING STRUCTURES:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL RELEVANT DIMENSIONS TO AND OF EXISTING STRUCTURES. NOTIFY DEPARTMENTAL REPRESENTATIVE IMMEDIATELY IF DISCREPANCIES ARE NOTED.
2. THE CONTRACTOR SHALL AT HIS OWN EXPENSE REPAIR AND MAKE GOOD ANY DAMAGE TO THE EXISTING STRUCTURE, EQUIPMENT AND FINISHES CAUSED BY THE CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE TO THE SATISFACTION OF DEPARTMENTAL REPRESENTATIVE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY SUPPORT OF ANY ADJACENT EXISTING STRUCTURES DURING CONSTRUCTION. UNDERPINNING OR BRACING SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE YUKON TERRITORY. SUBMIT 4 COPIES OF SIGNED AND SEALED DESIGN DRAWINGS TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW OF CONFORMANCE WITH GENERAL DESIGN CRITERIA.

CONSTRUCTION LOADS:

1. CONSTRUCTION LOADS MUST NOT EXCEED THE EXISTING LOAD CARRYING CAPACITY OF FLOOR UNLESS IT IS PROPERLY SHORED TO SUPPORT THE INTENDED LOAD. MOVING OF HEAVY EQUIPMENT AND PILING UP OF MATERIAL SHALL NOT BE PERMITTED UNLESS DESIGNED SHORING IS IN PLACE.
- EXISTING FLOOR DESIGN LIVE LOAD:  
MAIN FLOOR STAGE & OPEN SEATING AREAS 4.8 kPa  
OTHER AREAS 2.4 kPa
2. SHORING DESIGN BY CONTRACTOR. INFORM DEPARTMENTAL REPRESENTATIVE PRIOR TO LOAD APPLICATION.

ABBREVIATIONS

TYP.	TYPICAL	BOT.	BOTTOM
CONT.	CONTINUOUS	T & B	TOP AND BOTTOM
SIM.	SIMILAR	LLV	LONG LEG VERTICAL
OPP.	OPPOSITE HAND	LLH	LONG LEG HORIZONTAL
THK	THICK	OWSJ	OPEN WEB STEEL JOIST
DP.	DEEP	U.N.O	UNLESS NOTED OTHERWISE
CL.	CLEAR	MIN.	MINIMUM
COL.	COLUMN	MAX.	MAXIMUM
PL	PLATE	R/W	REINFORCED WITH
G.L.	GRID LINE	O/C	ON CENTRES
E.W.	EACH WAY	U/S	UNDERSIDE
E.F.	EACH FACE	C/W	COMPLETE WITH
F.S.	FAR SIDE	N.T.S.	NOT TO SCALE
N.S.	NEAR SIDE	S.O.G	SLAB ON GRADE
L.G.	LONG	T.O.S.	TOP OF STEEL
STAGG.	STAGGERED	C.I.P.	CAST IN PLACE
ALT.	ALTERNATE	P.C.	PRECAST CONCRETE
H1E	HOOK ONE END	H. LVL.	HIGH LEVEL
H2E	HOOK TWO ENDS	L. LVL.	LOW LEVEL
P/T	PRESSURE TREATED	C.P.	COMPLETE PENETRATION
HT.	HEIGHT	ARCH.	ARCHITECTURAL
T&G	TONGUE & GROOVE	MECH.	MECHANICAL
HDG.	HOT-DIPPED GALVANIZED	DWG.	DRAWING

STRUCTURAL STEEL

1. REFER TO SPECIFICATIONS FOR STEEL WORK, STEEL CONFORMANCE, DESIGN CODE REFERENCES AND OTHER REQUIREMENTS.
2. GRADES OF MATERIALS :  
STRUCTURAL STEEL AND MISC. METAL 300W  
BOLTS, NUTS AND WASHERS ASTM A325  
HANGER ROD ASTM A193 B7 OR EQUIVALENT
3. DRAWINGS FROM ALL CONSULTANTS SHALL BE EXAMINED FOR EXACT LOCATIONS, DIMENSIONS AND ELEVATIONS.
4. STEEL FABRICATORS AND CONTRACTOR SHALL CONFIRM ALL LOCATIONS, DIMENSIONS AND ELEVATIONS WITH ACTUAL SITE MEASUREMENTS BEFORE FABRICATION. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY FABRICATION AND WORK DONE PRIOR TO REVIEW AND APPROVAL OF THE SHOP DRAWINGS.
5. CONTRACTOR SHALL EXERCISE DUE CARE IN CARRYING OUT ANY ON-SITE WELDING AS REQUIRED AND PROVIDE ADEQUATE PROTECTION TO PREVENT SPARKS FROM THE WELDING PROCESS TO FALL OFF THE EXISTING TIMBER STRUCTURE. PROVIDE ADEQUATE FIRE PREVENTIVE AND PRECAUTIONARY MEASURE TO PROTECT THE EXISTING BUILDING MATERIALS AND PREVENT ANY FIRE HAZARDS.

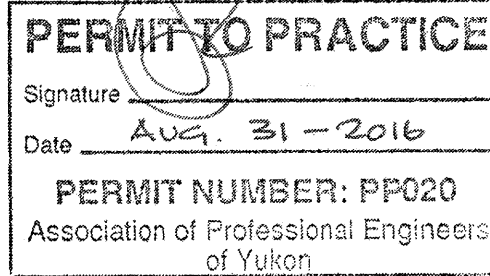
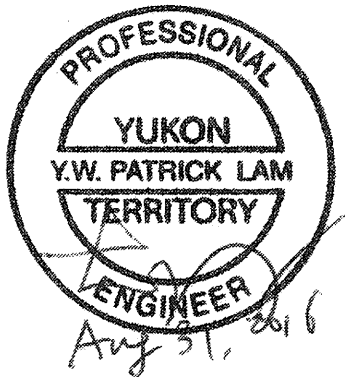
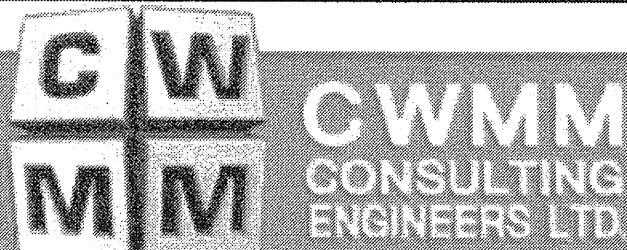
WOOD PRODUCTS

1. REFER TO SPECIFICATIONS FOR TIMBER SPECIFICATION & OTHER REQUIREMENTS.
2. DIMENSION LUMBER SHALL BE AS SPECIFIED BELOW:  
  
CRIB FOUNDATION EXCEPT LAMINATED BASE PLATES DOUGLAS FIR #1  
STUDS SPF #2 OR BETTER  
TIE BEAMS DOUGLAS FIR SELECT STRUCTURAL  
LAMINATED BASE PLATES PRESSURE TREATED  
DOUGLAS FIR #2 OR BETTER
3. UNLESS NOTED OTHERWISE, ALL FRAMING FOR SOIL CONTACT SHALL BE PRESSURE TREATED. ALL BOLTS AND NAILS FOR USE WITH PRESERVATIVELY TREATED WOOD TO BE HOT DIPPED GALVANIZED AS PER SPECIFICATION. CONTRACTOR TO SUBMIT PRESERVATIVE TYPE AND % RETENTION TO THE DEPARTMENTAL REPRESENTATIVE FOR APPROVAL PRIOR TO USE ON THE PROJECT.
4. U.N.O., ALL LIGHT FRAMING CONSTRUCTION SHALL CONFORM TO PART 9 OF NBCC 2010.
5. ALL BUILT-UP BEAMS TO BE DOUGLAS NAILED THROUGH EACH LAMINATION USING 82 MIN. NAILS ON A 150mm GRID.
6. DOUBLE UP ALL TRIMMER JOISTS AROUND ALL FLOOR OPENINGS.
7. NAILS SHALL BE PLACED NOT LESS THAN 9mm FROM THE PANEL EDGE AND SHALL NOT BE OVER-DRIVEN MORE THAN 15% OF THE PANEL THICKNESS.

CONCRETE REINFORCING:

1. REFER TO SPECIFICATIONS FOR CONCRETE STRENGTH, EXPOSURE CLASS & OTHER REQUIREMENTS.
2. REINFORCING BARS  $f_y = 400$  MPa. ALL DOWELS ANCHOR BOLTS AND INSERTS SHALL BE PLACED BEFORE THE CONCRETE IS POURED.
3. PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT AS FOLLOWS:  
  
CAST AGAINST EARTH 75mm  
EXPOSED TO EARTH OR WEATHER: 50mm  
ELSEWHERE: 40mm
4. UNLESS NOTED OTHERWISE, PROVIDE MINIMUM SPLICE LENGTHS TO REINFORCEMENT AS FOLLOWS:  
  
10M 500mm  
15M 750mm  
20M 1000mm

DRAWING LIST (STRUCTURAL)	
S1	GENERAL NOTES
S2	PHOTOS OF EXISTING STRUCTURE
S3	TEMPORARY FOUNDATION UPGRADE WORK PLAN
S4	TYPICAL CROSS SECTION & DETAILS
S5	BUILDING CODE UPGRADE PARTIAL MAIN FLOOR PLAN SECTIONS & DETAILS
S6	BUILDING CODE UPGRADE PARTIAL THIRD FLOOR PLAN & PARTIAL THIRD FLOOR CEILING FRAMING PLAN
S7	BUILDING CODE UPGRADE SECTIONS & DETAILS



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1		
0	ISSUED FOR TENDER	AUG. 31 2016
Revision/	Description/Description	Date/Date

A	detail number numéro de détail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. détail sur dessin no.	C

Client/client

PARKS CANADA AGENCY

WESTERN AND NORTHERN REGION

Project title/Titre du projet  
DAWSON CITY  
YUKON TERRITORY

PALACE GRAND THEATRE  
TEMPORARY WORK  
& MAJOR UPGRADE

Consultant Signature Only

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Drawn by/Dessiné par  
BM

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Drawing title/Titre du dessin

GENERAL NOTES

Project No./No. du  
projet  
R.068835.001

Sheet/Feuille  
S1  
OF

Revision no./  
La Révision  
no.  
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