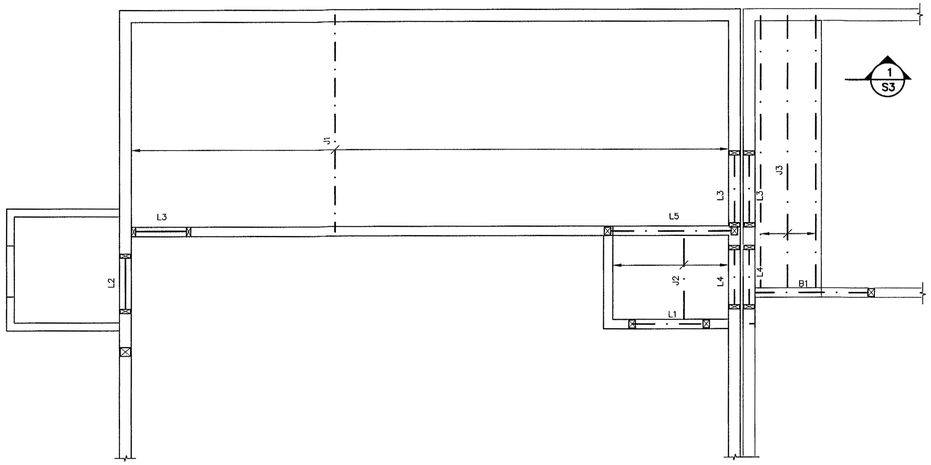
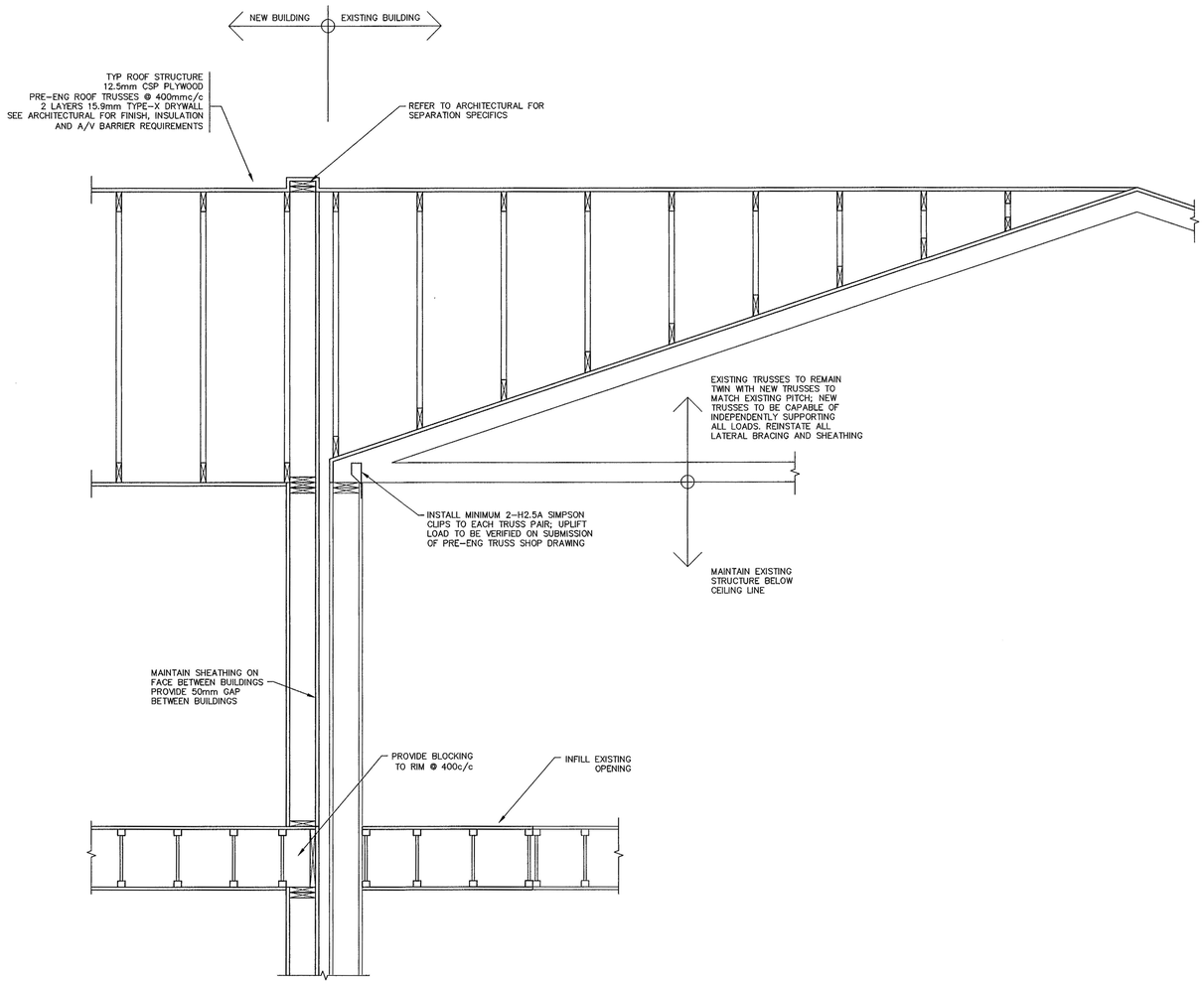


SECOND FLOOR FRAMING PLAN

SCALE 1:50

1. J1 – 406mm TJI 560 @ 400 c/c.
2. J2 – 406mm TJI 560 @ 400 c/c.
3. J3 – 406mm TJI 560 @ 400 c/c TO MATCH EXISTING.
4. L1 – 3 PLY 38 x 286.
5. L2 – 3 PLY 38 x 184.
6. L3 – 3 PLY 38 x 286.
7. L4 – 3 PLY 38 x 184.
8. L5 – 2 PLY 1–3/4" x 11⅞ MICROLAM LVL.
9. B1 – 2 PLY 1–3/4" x 16" MICROLAM LVL.



1
S3

SCALE 1:20

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

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

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

1:50 0 1 3m

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

PERMIT TO PRACTICE
Nuna Burnside Engineering & Environmental Ltd.
Signature
Date May 27/13
PERMIT NUMBER: P 535
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU

REGISTERED PROFESSIONAL ENGINEER
C.W. JONES
LICENSEE
APR. 22
NT/NU

Nuna Burnside Engineering & Environmental LTD.
106B Scurfield Blvd., Winnipeg, Manitoba
telephone (204) 949-7110 **fax** (204) 949-7111
web www.neeganburnside.com

Client
GOVERNMENT OF NUNAVUT
COMMUNITY & GOVERNMENT SERVICES

RANKIN INLET
SEWAGE TREATMENT PLANT

Drawing Title
SECOND FLOOR FRAMING PLAN

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