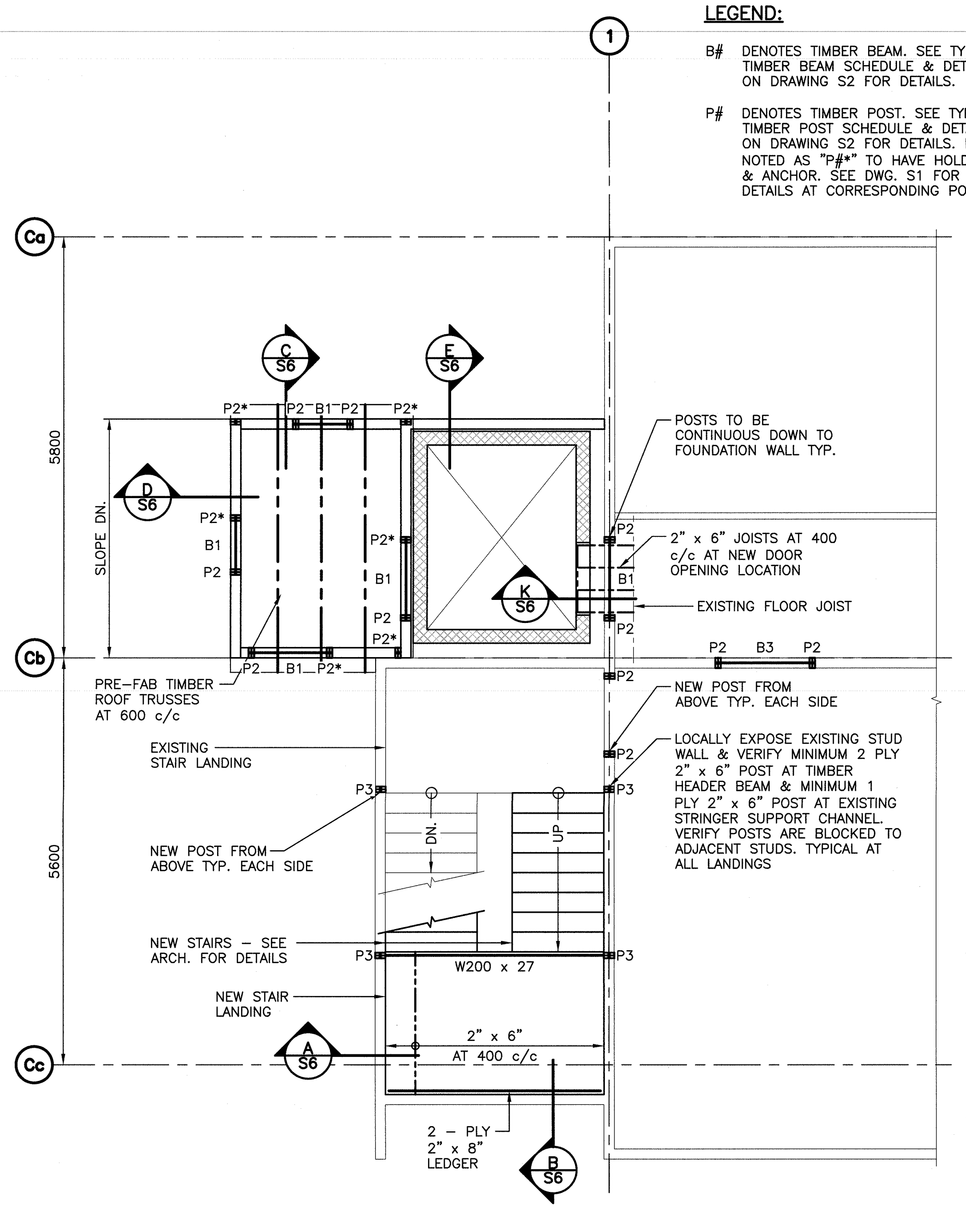
LEGEND:

B# DENOTES TIMBER BEAM. SEE TYPICAL TIMBER BEAM SCHEDULE & DETAIL 2 ON DRAWING S2 FOR DETAILS.

P# DENOTES TIMBER POST. SEE TYPICAL TIMBER POST SCHEDULE & DETAILS 1,2 ON DRAWING S2 FOR DETAILS. POSTS NOTED AS "P#*" TO HAVE HOLD DOWN & ANCHOR. SEE DWG. S1 FOR ANCHOR DETAILS AT CORRESPONDING POSTS



LEVEL 200 FRAMING PLAN

SCALE: 1:50

0m 1m 2m 3m 4m 5m

STAIR & LANDING DESIGN LOADS:

DEFLECTION CRITERIA: L/360

DEAD LOAD: ..... 0.80 kPa

LIVE LOAD: ..... 4.80 kPa

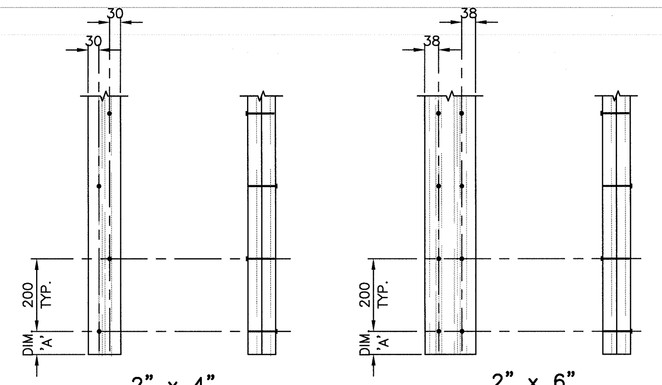
TYPICAL TIMBER POST SCHEDULE

MARK	SIZE	POST PLIES	
		JACK STUD(S)	KING STUD(S)
P1	2" x 4"	1	1
P2	2" x 6"	1	1
P3	2" x 6"	2	0
P4	2" x 4"	2	0

ALL POSTS TO BE CONTINUOUS DOWN TO TOP OF FOUNDATION WALL TYPICAL U.N.O.

TYPICAL TIMBER BEAM SCHEDULE

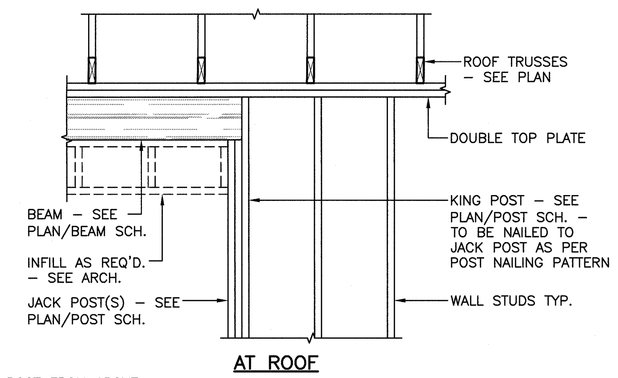
MARK	SIZE	PLIES
B1	2" x 6"	2
B2	2" x 8"	2
B3	2" x 10"	3
B4	2" x 10"	2



NAIL LENGTH		
POST PLY	NAIL LENGTH	DIM. 'A'
2	75	60
3	115	80
4	150	120

DETAIL – TYPICAL TIMBER BUILT-UP POSTS

SCALE : N.T.S. — 1 / S2



DETAIL – TYPICAL TIMBER BEAM & POSTS

SCALE : N.T.S. — 2 / S2

TIMBER NOTES:

1. ALL MATERIALS & WORKMANSHIP SHALL COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITIONS OF THE FOLLOWING STANDARDS:
   - .1 CODE FOR ENGINEERING DESIGN IN WOOD CSA 086, LATEST EDITION
   - .2 NATIONAL BUILDING CODE OF CANADA, PART 4
2. SHEATHING SHALL BE AS FOLLOWS:
   - .1 ROOF – 5/8" (16mm) T & G EXTERIOR GRADE PLYWOOD.
   - .2 WALLS – INTERIOR SHEAR WALLS & EXTERIOR WALLS TO BE 1/2" (13mm) T & G PLYWOOD
   - .3 FLOOR – 3/4" (19mm) T & G PLYWOOD
3. ALL NAILS, SPIKES & STAPLES SHALL BE IN ACCORDANCE NBCC CLAUSE 9.23.3.
4. LUMBER FOR LOAD BEARING STUD WALLS, POSTS, JOISTS OR LINTELS SHALL BE NO. 1/NO. 2 SPF.
5. CUTTING OF HOLES OR REMOVAL OF LOAD BEARING FRAMING MEMBERS BY TRADES FOR INSTALLATION OF PLUMBING, DUCTWORK OR WIRING, SHALL NOT BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
6. ALL POSTS (INCLUDING BLOCKING BETWEEN WALL PLATES AT FLOOR JOIST CAVITY) SHALL BE CONTINUOUS IN END GRAIN BEARING THROUGH ALL REQUIRED LEVELS OF THE FRAMING.
7. ALL LOAD BEARING STUD WALLS SHALL BE SOLID BLOCKED AT ALL PLYWOOD PANEL EDGES OF THE WALL.
8. THE CONTRACTOR SHALL PROVIDE SUCH TEMPORARY BRACING AS IS REQUIRED BY THEIR ERECTION PROCEDURES & THE ARRANGEMENT OF LOAD BEARING UNITS, UNTIL THE ROOF SHEATHING, JOISTS & JOIST BRACING & BRIDGING IS INSTALLED.
9. ALL EXTERIOR PERIMETER WALLS TO BE 2" x 6" AT 16" (400mm) c/c. ALL WALLS TO HAVE CONTINUOUS SILL & DOUBLE TOP PLATES.
10. ALL INTERIOR LOAD BEARING WALLS TO BE 2" x 6" AT 16" (400mm) c/c, U.N.O.. ALL WALLS TO HAVE CONTINUOUS SILL & DOUBLE TOP PLATES.
11. STAGGER ALL WALL SHEATHING PANEL JOINTS (SHEARWALL & NON-SHEARWALL) SO THAT PANELS ARE CONTINUOUS AT DOUBLE TOP PLATES. PANELS SHOULD LAP TOP PLATES A MINIMUM OF 16" (400mm), ABOVE & BELOW.
12. ALL NON-SHEAR WALL SHEATHING NAILING PATTERN SHALL BE AS FOLLOWS:
    - .1 PROVIDE 3" (75mm) LONG NAILS AT 4" (100mm) c/c ALONG PANEL EDGES & 3" (75mm) LONG NAILS AT 12" (300mm) c/c ALONG INTERMEDIATE FRAMING.
14. ALL SHEAR WALL SHEATHING NAILING PATTERN SHALL BE AS FOLLOWS:
    - .1 PROVIDE 2 ½" (64mm) LONG NAILS AT 3" (75mm) c/c ALONG PANEL EDGES (ALL PANEL EDGES TO BE BLOCKED) & 2 ½" (64mm) LONG NAILS AT 12" (300mm) c/c ALONG INTERMEDIATE FRAMING. SHEARWALLS WITH SHEATHING ON BOTH SIDES TO HAVE PANEL EDGES STAGGERED.
15. ROOF SHEATHING NAILING PATTERN SHALL BE AS FOLLOWS:
    - .1 PROVIDE 3" (76mm) LONG NAILS AT 2 ½" (64mm) c/c ALONG PANEL EDGES & 2 1/2" (64mm) LONG NAILS AT 12" (300mm) c/c ALONG INTERMEDIATE FRAMING.
16. FLOOR SHEATHING NAILING PATTERN SHALL BE AS FOLLOWS:
    - .1 PROVIDE 2 1/2" (64mm) LONG NAILS AT 6" (150mm) c/c ALONG PANEL EDGES (ALL PANEL EDGES TO BE BLOCKED) & 2 1/2" (64mm) LONG NAILS AT 12" (300mm) c/c ALONG INTERMEDIATE FRAMING.
17. PRE-DRILL ALL LAG BOLT HOLES PRIOR TO INSTALLING BOLTS.
18. STUD WALL TOP PLATES TO BE LAPPED & HAVE 30 – 3" (75mm) LONG NAILS (CINCHED) INSTALLED IN 2 ROWS. LAPS OF THE DIFFERENT ROWS TO BE STAGGERED.
19. SEPARATE POSTS ARE TO BE PROVIDED FOR EACH BEAM UNLESS NOTED OTHERWISE.
20. AT TRUSS BEARING POINTS WHERE THE ALLOWABLE COMPRESSION PERPENDICULAR TO THE GRAIN IS EXCEEDED, THE TRUSS SUPPLIER SHALL PROVIDE BEARING PLATES.
21. THE PRE-FABRCATED ROOF TRUSS SUPPLIER SHALL PREPARE SHOP DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION. SUCH SHOP DRAWINGS SHALL BE STAMPED BY AN ENGINEER REGISTERED IN THE PROVINCE OF NOVA SCOTIA & SHALL CONTAIN THE FOLLOWING INFORMATION:
    - .1 TIMBER SPECIES GROUP & GRADES PROPOSED.
    - .2 BEARING CONNECTION DETAILS: PROVIDE BEARING SHOES WHERE TRUSS BEARING PRESSURES EXCEED THE PERMISSIBLE WALL TOP PLATE COMPRESSION, PERPENDICULAR TO THE GRAIN, FOR THE SPECIES & GRADE OF LUMBER SPECIFIED.
    - .3 TIE-DOWN ANCHOR DETAILS: PROVIDE TRUSS TIE-DOWN ANCHORS AT EACH TRUSS BEARING POINT. DESIGN TRUSS TIE-DOWN ANCHORS AS PER WIND UPLIFT IN NBCC 2010.
    - .4 TRUSS PLATE CONNECTION CAPACITY & ARRANGEMENT DETAILS.
    - .5 BRIDGING & ERECTION BRACING DETAILS.
22. LIMIT ROOF TRUSS LIVE LOAD DEFLECTION TO L/360 OF SPAN.
23. PRIOR TO DEVELOPMENT OF TRUSS SHOP DRAWINGS, TRUSS DESIGNER TO CONTACT ENGINEER REGARDING GIRDER TRUSSES, TRUSS BEARING POINTS, ETC.
24. PROVIDE 1" x 4" LATERAL BRACING CONTINUOUS AT TRUSS BOTTOM CHORD PANEL POINTS AND AT 8'-0" (2400mm) c/c MAXIMUM. PROVIDE BOTTOM CHORD DIAGONAL BRACING (AT 45°) AT EACH OF TRUSS RUNS.
25. GABLE END TRUSSES TO HAVE VERTICAL WEB MEMBERS AT 16" (400mm) c/c & BOTTOM CHORD TO BE FULLY BEARING.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

FOWLER BAULD & MITCHELL
architecture

Fowler Bauld & Mitchell Ltd.
PO Box 514, Suite 102
1660 Hollis Street, Halifax, Nova Scotia B3J 2R7
Tel: 902 429 4100 Fax: 902 423 3063
email: architects@fbm.ns.ca www.fbm.ns.ca

CBCL LIMITED
Consulting Engineers
ISO 9001 CERTIFIED

REGISTERED PROFESSIONAL ENGINEER — S. L. Myatt — 8171 — PROVINCE OF NOVA SCOTIA

revisions		date
1	ISSUED FOR TENDER	SEP.24 2013

project / projet

CANADIAN COAST GUARD COLLEGE MCTS RENOVATIONS

SYDNEY, NS

drawing / dessin

STRUCTURAL LEVEL 200 FRAMING PLAN & DETAILS

designed	S. MYATT	conçu
date	JUNE 2013	
drawn	S. FRASER	dessiné
date	JUNE 2013	
approved	M. WOODMAN	approuvé
date	JUNE 2013	
Tender		Soumission
PWGSC Project Manager		Administrateur de projets TPSGC
project number		no. du projet
R.049698.003		
drawing no.		no. du dessin
S2		