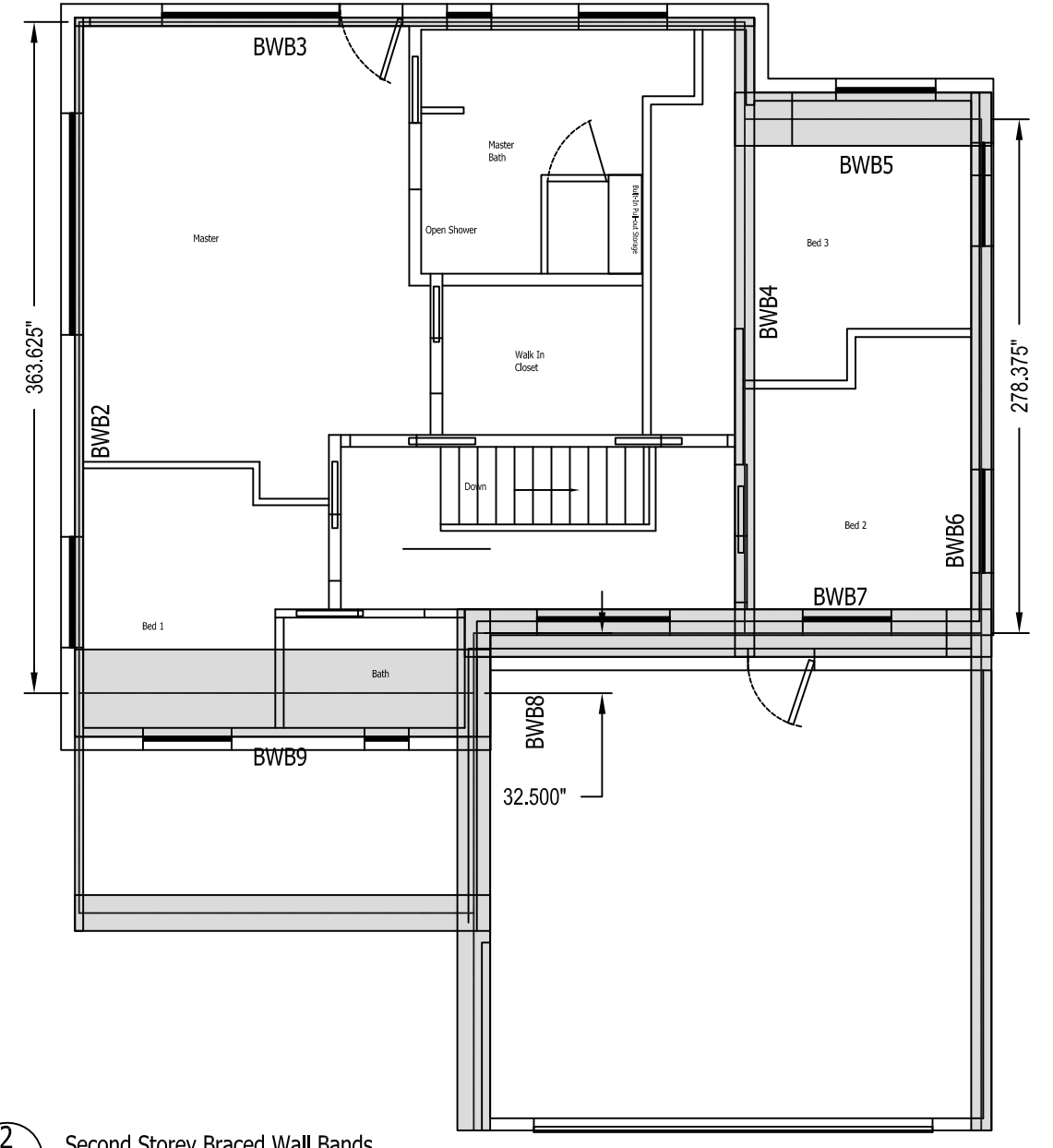
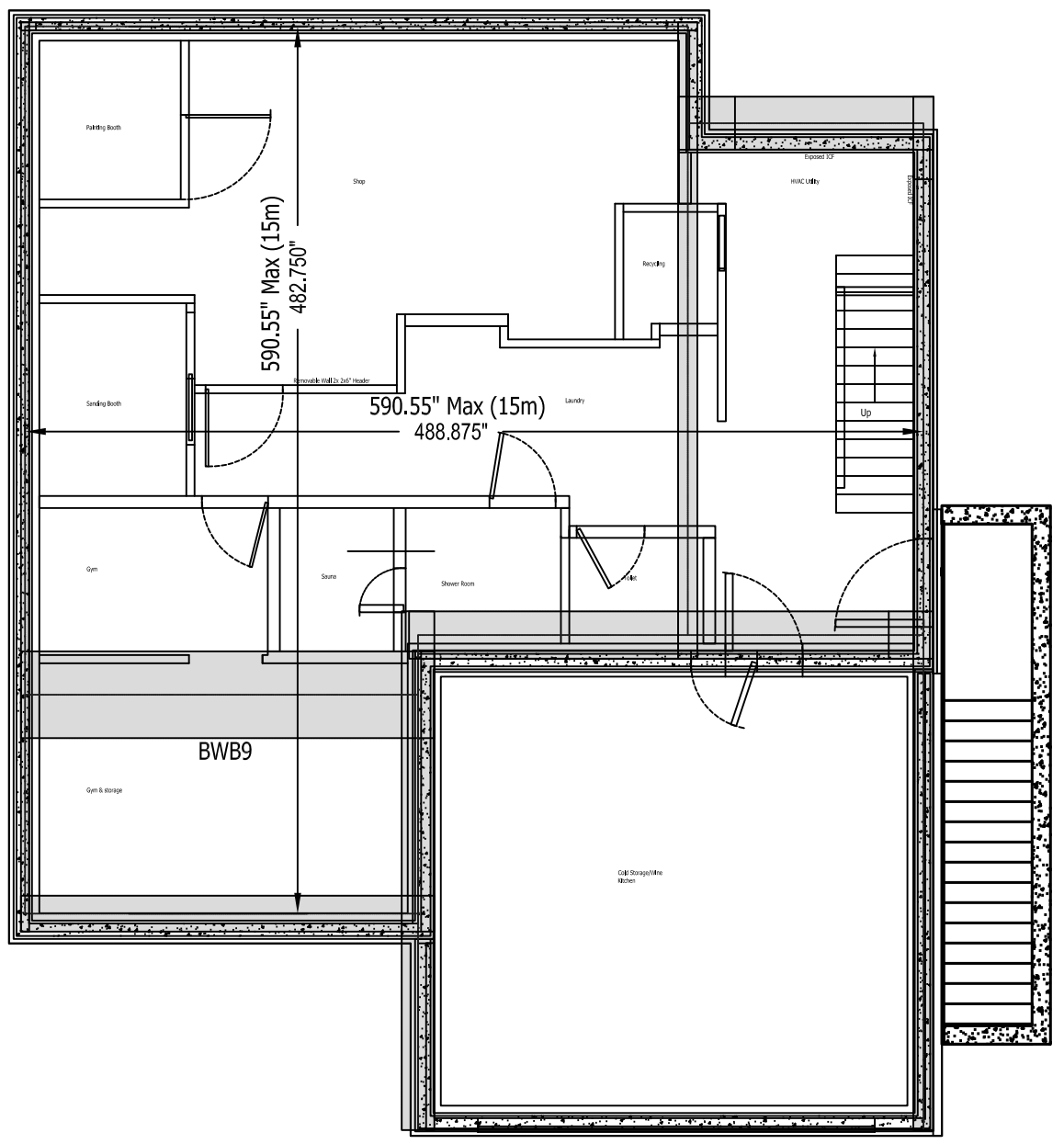


1 S13 First Storey Braced Wall Bands



2 S13 Second Storey Braced Wall Bands

Dimensions per 1/S13 unless otherwise indicated



3 S13 Basement Braced Wall Bands Dimensions per 1/S13 unless otherwise indicated

Seismic Region  
North Vancouver: .88 Sa (0.2)  
.45 q150 kPa

Seismic Restrictions for Region Per Part C - Canadian Wood Council, Engineering Guide for Wood Frame Construction (the Guide) and CBC 9.23.13

- Max. Band Width: 1.2m (47.25")
- Max. Spacing between Band Centres (Above Grade): 10.6m (417.3")
- Max. Spacing between Band Centres (Below Grade): 15m (590.55")
- Min. Panel Length (Standard\*): 1.2m (47.25")
- Max. Distance Between Panels Edges: 6.4m (252")
- Min. Panel Density\*\* (Below Grade): 75%
- Min. Panel Density\*\* (1st Storey): 40%
- Min. Panel Density\*\* (2nd Storey): 25%

\* Shorter panel length allowed by table C2 of the Guide utilized on dwelling  
\*\* Higher Densities required on walls utilising Alternative Procedure for Narrow Braced Wall Panels per table C2 of the Guide

Band Schedule								
All dimensions shown in inches								
Band	Floor	Elevation	Band Length	Band Width	%	Inches required	Total Planned	Construction Type
BBWB9	Basement	Setback Tradeoff	213.875	47.25	75%	160.4063	160.5	BWB3
FBWB1	1st	East	213.875	19.5	40%	85.55	100.25	BWB1
FBWB2	1st	South	482.75	4.5	40%	193.1	193.25	BWB4
FBWB3	1st	West	360.625	4.5	40%	144.25	148.125	BWB1
FBWB4	1st	North Internal	331.125	10.5	40%	132.45	181.75	BWB1 Internal Portion per BWB2
FBWB5	1st	West	128.25	28.875	66%	84.645	86.5	BWB1 See S14 Note 2
FBWB6	1st	North	547.75	11	40%	219.1	410.625	BWB3 Garage Portion of Band per BWB4
FBWB7	1st	East Garage	275	25.75	50%	137.5	240.875	BWB4 See S13 Note 3
FBWB8	1st	South Garage	269.375	17.75	40%	107.75	254.75	BWB4
FBWB9	1st	Internal	213.875	47.25	40%	85.55	124.75	BWB3
SBWB2	2nd	South	363.625	4.5	25%	90.90625	209.5	BWB4
SBWB3	2nd	West	360.625	4.5	25%	90.15625	141.75	BWB1
SBWB4	2nd	North Internal	331.125	10.5	25%	82.78125	120.8125	BWB1
SBWB5	2nd	West	128.25	28.875	25%	32.0625	48.75	BWB1
SBWB6	2nd	North	278.375	11	25%	69.59375	121	BWB3
SBWB7	2nd	East over garage	275	25.75	25%	68.75	119.75	BWB1
SBWB8	2nd	North by Garage	32.5	17.75	25%	8.125	69	BWB1
SBWB9	2nd	East	213.875	47.25	46%	98.3825	145.75	BWB1 See S14 Note 3
						Ttl	2877.688	

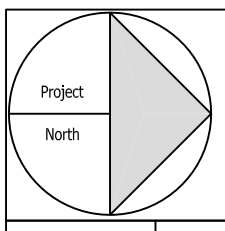
- FBWP First Floor Braced Wall Panel
- SBWP Second Floor Braced Wall Panel
- FBWB First Floor Braced Wall Band
- SBWB Second Floor Braced Wall Band
- BBWP Basement Braced Wall Panel
- BBWB Basement Braced Wall Band

I, Nathan Proper of Tacoma Engineers, have reviewed and confirmed that the lateral resistance of this building for wind and earthquake is designed in accordance with Part c of "Engineering Guide for Wood Frame Construction 2009 Edition" (CWC 2009) published by the Canadian Wood Council.

**Braced Wall Band Construction Schedule**

Type	Location	Stud Spacing	Sheathing	Nail Pattern (see Note 6)
BWB1	Exterior Wall	400mm	1/2" Plywood Exterior, 1/2" Drywall Interior	Per BCBC Tbl 9.23.3.5.B & 9.29.5
BWB2	Interior Wall	400mm	1/2" Drywall Both Sides	Per BCBC 9.29.5
BWB3	Interior Wall	400mm	1/2" Drywall One Side, 1/2" Plywood + 1/2" Drywall Other Side	Per BCBC 9.23.3.5 & 9.29.5 except sheathing is to be fastened along panel edges at 3" o.c.
BWB4	Exterior Wall	400mm	1/2" Plywood Exterior, 1/2" Drywall Interior	Per BCBC 9.23.3.5 & 9.29.5 except sheathing is to be fastened to top plates at 3" o.c.

- Notes:
- Braced wall bands enclose structure of wall assembly only and do not overlap non-structural external insulation.
  - All band lengths measured down centreline to the centreline of adjacent braced wall bands.
  - The front wall of the garage is exempt per BCBC 9.23.13.5.(4). Back wall of garage to contain 50% Plywood Sheathed Braced Wall Panels.
  - Top Storey Setback Tradeoff per BCBC 9.23.13.7.(1), (2), & (3) has been utilized on this project at the South end of the East upper floor elevation.
  - This dwelling consists of Normal Weight Construction.
  - Drywall of all Braced Wall Panels attached at 12" o.c. to top and bottom wall plates.
  - Braced wall panels to be fastened to floor joists, rim joists, or blocking below at 6" o.c. per Table C4 of the Guide.
  - All 1st Storey Braced Wall Panels are to be fastened to the foundation with at least two anchor bolts.
  - Anchor bolts are to be placed within 20" of the end of each foundation wall.



Project Title: **The Enclosure**  
Pemberton Heights, North Vancouver - British Columbia

Drawing: **Braced Wall Band Plan**

Scale: 1/8"=1'-0"

Date: May 9, 2014

Drawn By: SW

Dwg. #: **S13**

No.	Date	Issue
A	Nov. 5, 2013	For Comment
1	May 9, 2014	Issued for Building Permit Application