1 S2 FROST WALL DETAIL
Scale: 1/2" = 1'-0"

2 S2 TYP STEP FOOTING DETAIL
Scale: 1/2" = 1'-0"

3 S2 FROST WALL DETAIL
Scale: 1/2" = 1'-0"

4 S2 POST CONN. @ CONC. PIER
Scale: 1/2" = 1'-0"

STRUCTURAL NOTES:

CODE: Comply with the 2012 International Residential Building Code.

DESIGN LOADS:
Dead Loads: Roof = 15.0 psf., Floor = 60.0 psf.
Live Loads: Roof = 40.0 psf (Plus Drift), 1st Floor = 50.0 psf.
Wind Load: Building = 28.0 psf

FOUNDATIONS:
1. Bear footings on firm, undisturbed dense native soil at 4"- 0" minimum below lowest adjacent finish or natural grade, which ever is lower. Step footings to achieve these depths as required.
2. Assumed soil bearing pressure = 2,500 psf.
3. Place foundation concrete only on clean, firm, dry bearing material.
4. Engineer shall be notified if stone ledge or marine clay is found during excavation.
5. Install 4" dia. perforated drain tile (rotate perforations to top of pipe) on exterior and interior of footing perimeter. Wrap all drain tile in filter fabric and encase with 3/4" crushed stone around entire pipe. Create a positive drain to atmosphere or dry well with drainage away from structure. Provide (2) stubs through slab for possible use in radon mitigation system. See contractor for mitigation system requirements. Contractor shall be responsible for any additional drainage requirements, such as sump pumps etc.
6. See architectural drawings for additional information not shown.

CONCRETE:
1. Concrete regular weight (144 pcf) with Type II cement per ASTM C150, aggregate per ASTM C33, and potable water. No fly-ash permitted in floor slab. Aggregate size = 1" maximum for footings and slab on grade and 3/8" for slab on metal decking. Minimum compressive strength = 3000 psi for foundations and slab on grade and 4,000 psi for exterior slabs and sidewalks.
2. Saw cuts for floor slab control joints (CJ) shall be made as soon as the slab can support the weight of the saw, but no more then 12 hours after placing concrete. Max. 24 sq. ft. of per saw cut area.

REINFORCING:
1. ASTM A 615-S1, Grade 60 except #2 and #3 bars ASTM A615-S1: Grade 40.
2. Lap splices in concrete: 42 bar diameters.
3. Provide bent corner reinforcing to match and lap with horizontal reinforcing at corners and intersections of walls, and footings.
4. Reinforcing shall be placed with 3" clearance at all surfaces.

STEEL DECKING:
1. Unless otherwise noted on the drawings, steel roof deck shall be 1.5B22 as manufactured by Vulcraft or approved equal. Unless otherwise noted, fasten floor decking to each support using #10 Tek screws @ 12"o.c. and fasten side laps with #10 tek screws @ 30"o.c.
2. Sheet steel for decks decks must conform to ASTM A653-94 "Structural Quality", Grade 33 or higher.
3. Floor decking must span over four (2) or more supports minimum.

SUPPLEMENTARY NOTES:
1. Verify all dimensions and conditions with architectural drawings prior to starting work. Notify the Engineer of any discrepancies or inconsistencies.
2. Provide all necessary temporary bracing, shoring, guying or other means to avoid excessive stresses and to hold structural elements in place during construction.

ENGINEERING DESIGN PROFESSIONALS
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EDP

Fenton Garage
55 Western Promenade * Portland * Maine

STRUCTURAL NOTES & DETAILS

STATE OF MAINE
LARRY A. WICHROSKI
No. 5990
LICENSED
PROFESSIONAL ENGINEER

DESIGNED BY:	Larry Wichroski, P.E.
DRAWN BY:	LAW
JOB No:	02916
DATE:	05-31-16

REVISIONS:

SHEET: S1

Date: 06/02/16
Reviewed for Code Compliance
Approved with Conditions
Approved as Noted