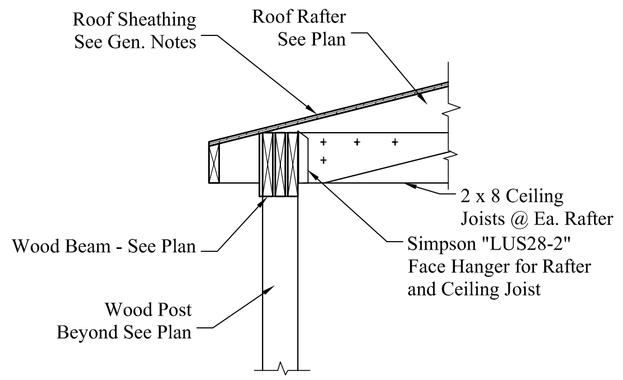
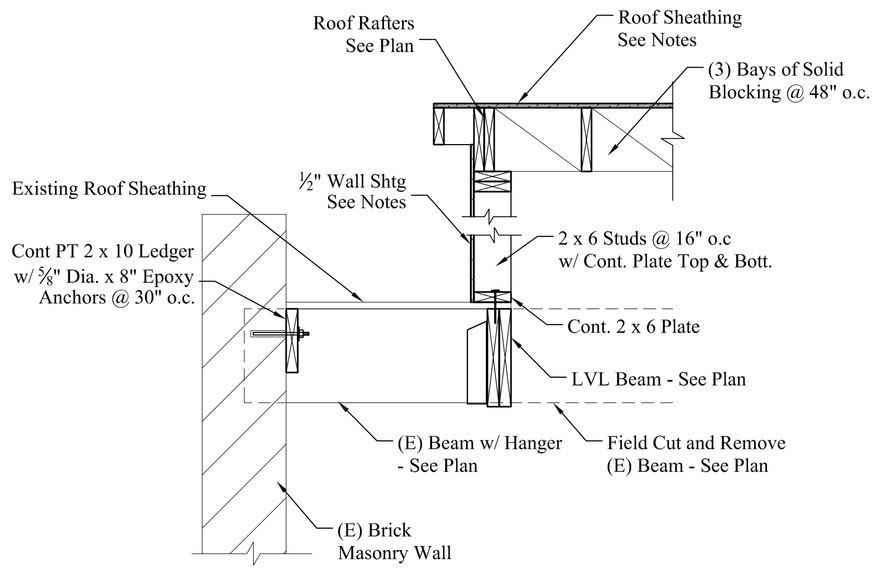


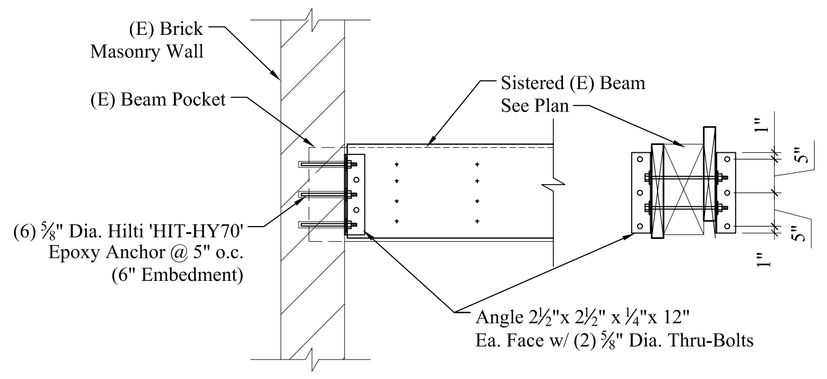
1 S3 WINDOW HDR @ EXTERIOR WALL

Scale: ¾" = 1'-0"



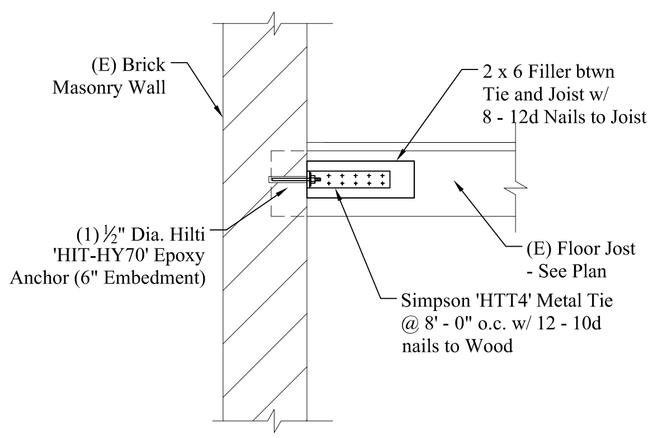
2 S3 DORMER SIDE WALL DETAIL

Scale: ¾" = 1'-0"



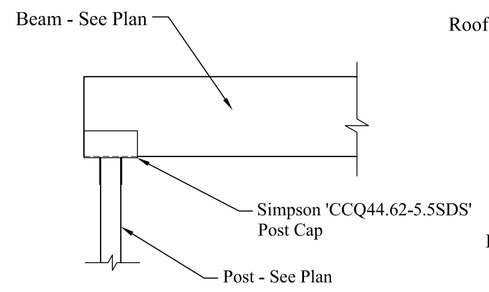
3 S3 SISTERED BEAM SUPPORT @ (E) MAS. WALL

Scale: ¾" = 1'-0"



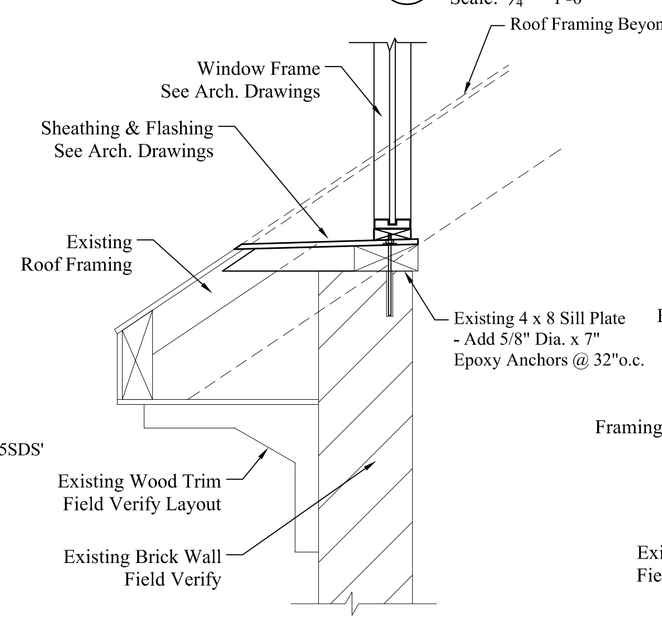
4 S3 BEAM TIES @ EXIST. BRICK WALL

Scale: ¾" = 1'-0"



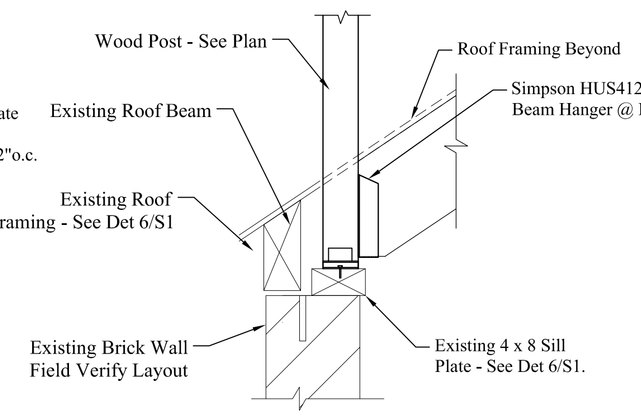
5 S3 BEAM TO POST CONN.

Scale: ¾" = 1'-0"



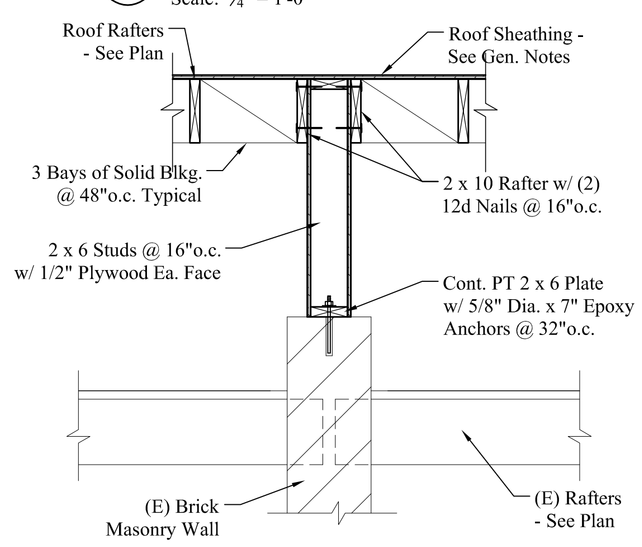
6 S2 WINDOW SILL @ (E) MAS. WALL

Scale: ¾" = 1'-0"



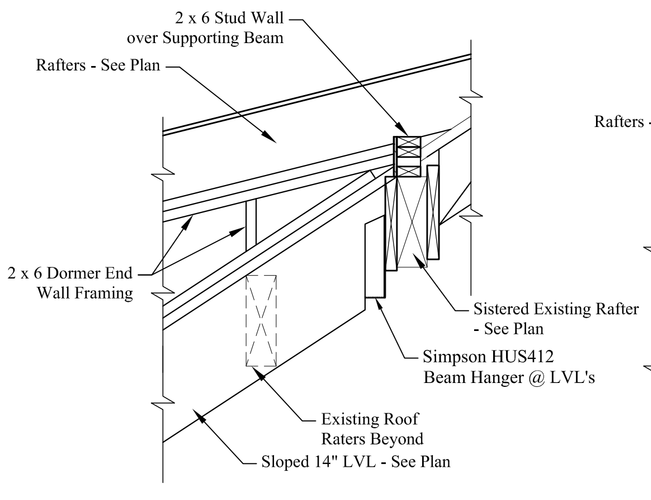
7 S2 STL. COL. @ (E) MAS. WALL

Scale: ¾" = 1'-0"



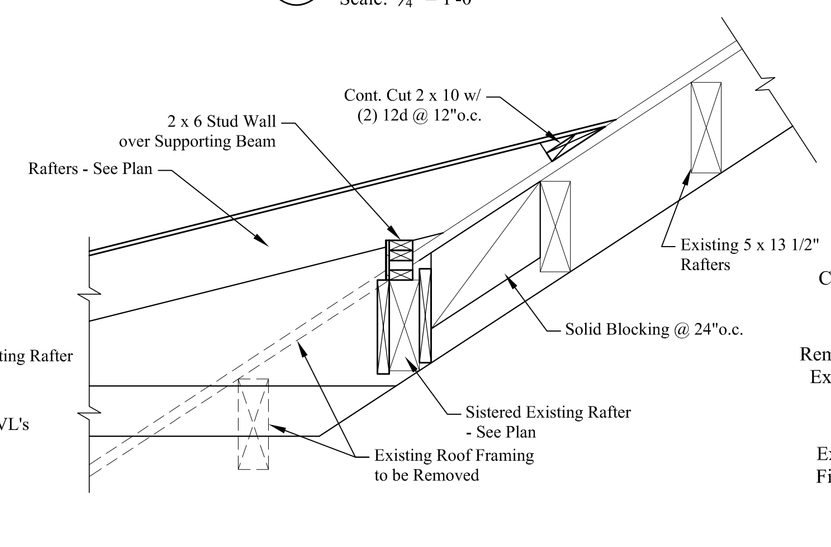
8 S3 ROOF @ EXIST. BRICK WALL

Scale: ¾" = 1'-0"



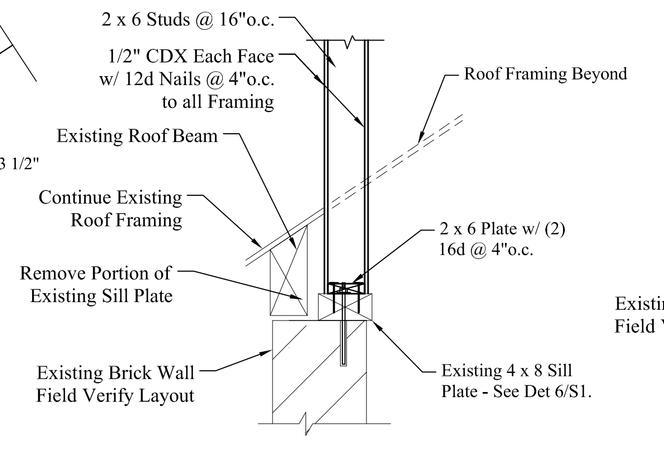
9 S3 ROOF @ EXIST. ROOF FRAMING

Scale: ¾" = 1'-0"



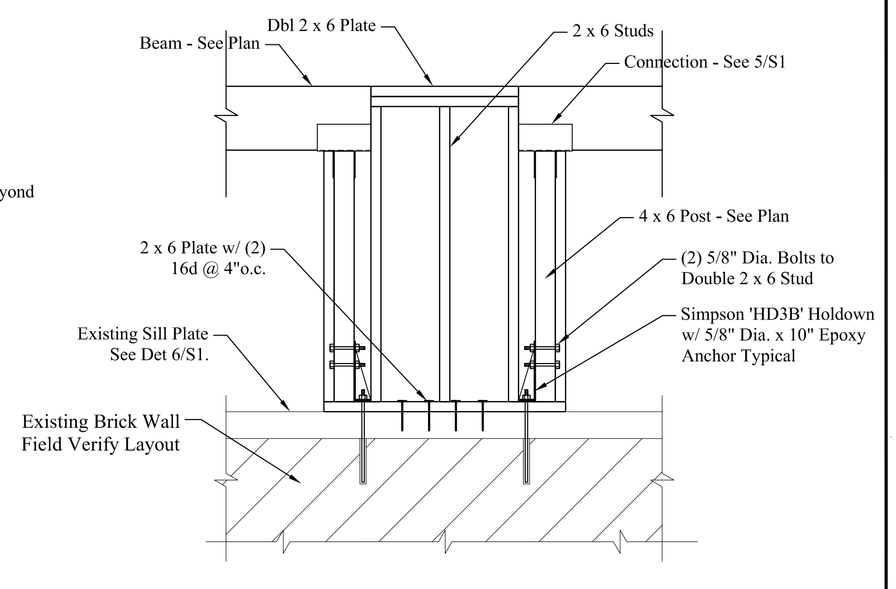
10 S3 ROOF @ EXIST. ROOF FRAMING

Scale: ¾" = 1'-0"



11 S2 SHEAR WALL @ (E) MAS. WALL

Scale: ¾" = 1'-0"



12 S2 SHEAR WALL @ (E) MAS. WALL

Scale: ¾" = 1'-0"

STRUCTURAL NOTES:

CODE: Comply with the 2009 International Building Code (IBC).

DESIGN LOADS:
Dead Loads: Roof = 20.0 psf., Floors = 16.0 psf.
Live Loads: Roof = 45.0 psf (Plus Drift), Office Space = 50.0 psf, Common Areas = 100.0 psf.

Wind:
Wind Speed = 100 mph, Exposure "C", I_w = 1.0
Uplift Loads: Roof framing is subject to an uplift load.
Overall Roof .....18 PSF
12' Strip Around Perimeter ....22 PSF
12' Squares At Building Corners .....24 PSF

STEEL:
1. Rolled sections and plates: ASTM A-36, Fy = 36 ksi.
2. Wide Flange Shapes - ASTM A572, Fy = 50 ksi
2. Steel Lally Columns: ASTM A513, Fy = 32 ksi. 16 gage steel filled w/ 3,000 psi concrete.
3. Steel Pipe Column: (not lally columns) ASTM A-36, Fy = 36 ksi.
4. Bolts and plain anchors: ASTM A 307.
5. Submit shop drawings. Fabricate after Engineers review.

WOOD:
1. General:
   a. Each piece of lumber shall be "S-DRY" and bear the grade stamp of a grading rules agency approved by the American Lumber Standards Committee.
   b. Double up studs at jambs and under beams.
   c. Do not notch or drill joists, beams or load bearing studs without approval.
2. Connections:
   a. Nail roof plywood with 8d common at 6" o.c. at all edges and boundary members and 10"o.c. at intermediate supports.
   b. Glue floor plywood to all framing members and nail with 8d common at 6" o.c. at all plywood edges and boundary members and 10" o.c. at intermediate supports.
   c. Nail wall plywood with 10d common nails at 6" o.c. at all edges and boundary members and 12" o.c. at intermediate supports.
3. Structural Sawn Lumber:
   a. 2 x 6 thru 2 x 14 joists: Spruce Pine Fir No. 2 with Fb (repetitive) = 1200 p.s.i.
   b. Studs: Spruce Pine Fir No. 2 with Fb (repetitive) = 1200 p.s.i.
4. Micro-Lam Beams (LVL): Fb = 3080 psi, Fv = 285 psi, E = 2,000 ksi
5. Plywood:
   a. Roof Sheathing: C-D INT-APA (PSI-94) with exterior glue; 5/8" with Identification Index 48/24. Lay up with face grain perpendicular to supports. Stagger joints. Each plywood piece to be continuous over a minimum of two spans with a minimum width of 1'-0" unless blocking is provided at all joints.
   b. Sub-flooring: C-D INT-APA (PSI-94) with exterior glue: 3/4" with Identification Index 48/24. lay up with face grain perpendicular to supports. Stagger joints. Each plywood piece to be continuous over a minimum of two spans with a minimum width of 1'-0" unless blocking is provided at all joints.
   c. Wall Sheathing: C-D INT-APA (PSI-74) with exterior glue, 1/2" with Identification Index 24/0. All panel edges backed with 2" nominal or wider framing.

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.

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EDP

BUILDING RENOVATIONS
136 Commercial Street * Portland * Maine

GENERAL NOTES & DETAILS

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

DESIGNED BY: Larry Wichroski, P.E.
DRAWN BY: LAW
JOB NO.: 00416
DATE: 03-15-2016

REVISIONS:
1 04-30-2016

SHEET: S1