

STRUCTURAL GENERAL NOTES

DESIGN LOADS: International Building Code, IBC 2009 Edition, except as noted. Occupancy Category, Table 1604.5. Roofs: Ground Snow, Pg 60 psf (used for drifting calculations). Floors: Residential 40 psf, Roof Deck 40 psf, Corridors/Stairs Occupancy Served. Lateral: Wind IBC 1603.1.4, ASCE 7-05, Analytic Method.

FOUNDATION: Foundations are designed without an engineer's soil investigation. Design lateral soil pressure (equivalent fluid pressure): Walls: 45 pcf. Backfill all retaining walls with free draining granular material except the top two feet.

FOUNDATION WALLS: Design lateral soil pressure (equivalent fluid pressure): Walls: 45 pcf. Backfill all retaining walls with free draining granular material except the top two feet.

REINFORCED CONCRETE: We encourage the use of bladed furnace slag. Design is based on "Building Code Requirements for Reinforced Concrete"(ACI 318). Concrete work shall conform to "Standard Specifications for Structural Concrete" (ACI 3019).

Table with 8 columns: Intended Use, Fc, psi 28day, Max W/C Ratio, Maximum Aggregate, Slump inches, Entrained Air Percent +/-5%, Cement Type, Admixtures, Comments. Rows include footings, walls, exterior slabs on grade, interior slabs on grade.

Detailing, fabrication, and placement of reinforcing steel shall be in accordance with the Manual of Standard Practice for Detailing Reinforced Concrete Structures (ACI 315). Welded wire fabric shall conform to ASTM A185. Reinforcing bars shall conform to ASTM A615, Grade 60.

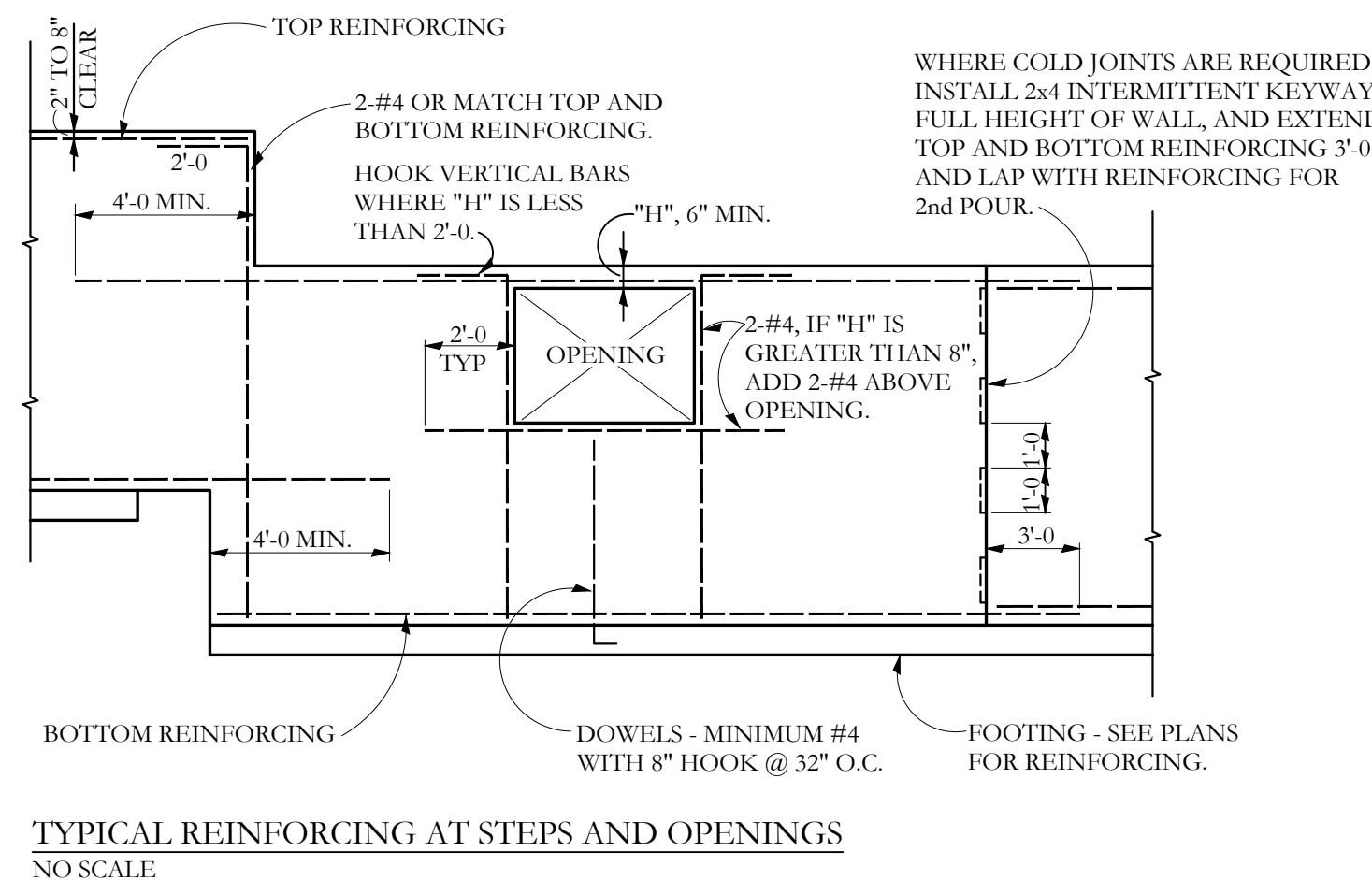
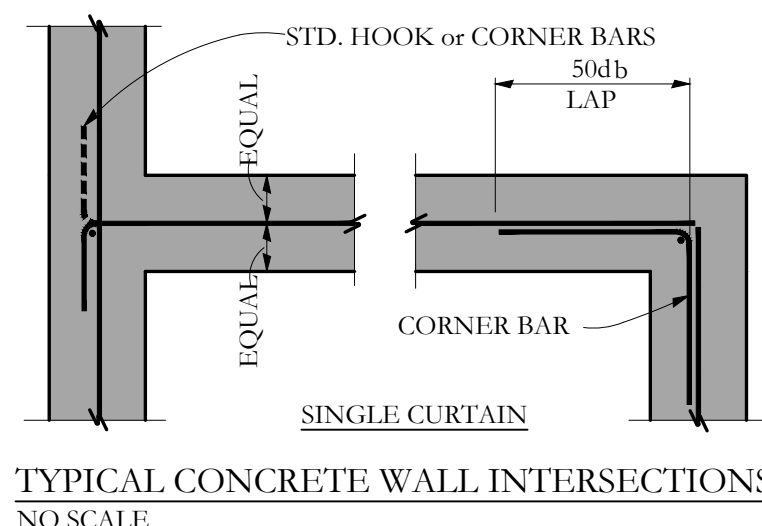
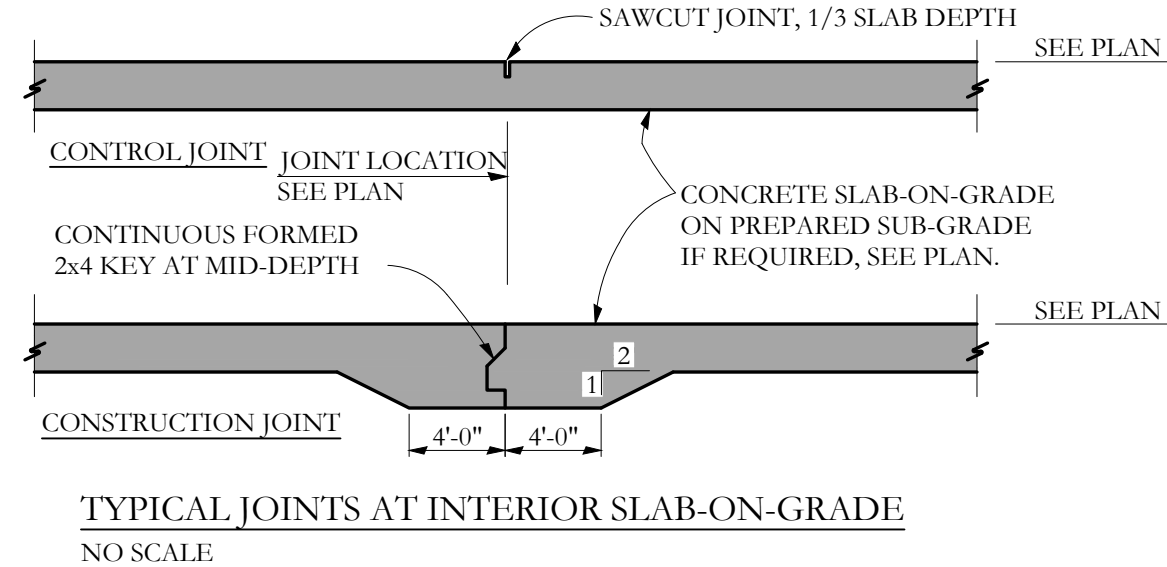
STRUCTURAL STEEL: Structural steel shall be detailed, fabricated, and erected in accordance with latest AISC Specifications, and Code of Standard Practice. Structural steel wide flange beams shall conform to ASTM A992.

STRUCTURAL WOOD FRAMING: In-Grade Base Values have been used for design. 2x framing shall be Spruce-Pine-Fir S4S No. 2 and better unless noted. All lumber shall be 19% maximum moisture content, unless noted.

SHOP DRAWINGS: Construction Documents are copyrighted and shall not be copied for use as erection plans or shop details. Use of SI Inc.'s electronic files as base for shop drawings requires prior approval by SI Inc.

FIELD VERIFICATION OF EXISTING CONDITIONS: Contractor shall thoroughly inspect and survey existing structure to verify conditions that affect the work shown on the drawings. Contractor shall report any variations or discrepancies to the Architect before proceeding.

STRUCTURAL ERECTION AND BRACING REQUIREMENTS: The structural drawings illustrate the completed structure with elements in their final positions, properly supported and braced. These construction documents contain typical and representative details to assist the contractor.



ABBREVIATIONS KEY

Table with 4 columns of abbreviations and their corresponding full names. Includes terms like AB Anchor Rod (Bolt), ADDL Additional, ADI Adjustable, AEF Above Finished Floor, etc.

FRAMING PLAN SYMBOLS KEY

Table with 2 columns: Symbol and Description. Symbols include squares, circles, and lines with various markings representing wood posts, steel columns, joist bearings, etc.

Structural Drawing Index

Table with 2 columns: Drawing Number and Description. Includes S1.0 General Notes, S1.1 Foundation / Ground Floor Plan, S1.2 1st Floor Framing Plan, etc.



PROJECT NO. 16035 PROJECT NAME 7 CUMBERLAND PORTLAND, ME

REVISIONS table with columns for revision number (1-5) and description.

DRAWN BY MKL SHEET TITLE GENERAL NOTES

ISSUE DATE 2/23/17 SHEET SCALE AS NOTED

S1.0