

**CODES AND STANDARDS:**

- THE FOLLOWING CODES SHALL APPLY, AS AMENDED BY ALL FEDERAL AND STATE AUTHORITIES HAVING JURISDICTION OF THE WORK:
  - INTERNATIONAL BUILDING CODE 2009 WITH MAINE AMENDMENTS
  - NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 2005
 IN CASE OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

**TIMBER CONSTRUCTION NOTES**

- DIMENSIONAL LUMBER: ALL TO BE GRADE STAMPED PER INSPECTING AGENCY RULES (AGENCY MUST BE ACCREDITED BY AMERICAN LUMBER STANDARD COMMITTEE, INC.).
- LUMBER SHALL BE SELECT STRUCTURAL GRADE DOUGLAS FIR-LARCH (OR EQUAL) U.O.N. WITH THE FOLLOWING MINIMUM ALLOWABLE UNIT STRESSES:
 

FRAMING MEMBERS:

F<sub>b</sub> = 1,200 PSI  
 F<sub>b</sub> = 1,380 PSI (REPETITIVE MBRS.)  
 F<sub>v</sub> = 180 PSI  
 E = 1,600,000 PSI

COMPRESSION MBRS:

F<sub>c</sub> (PARALLEL TO GRAIN) = 1,400 PSI  
 F<sub>c</sub> (PERPENDICULAR TO GRAIN) = 625 PSI

TYPE AND GRADE SHALL BE STAMPED ON SIDE OF MEMBERS BY SUPPLIERS AND SHALL NOT BE REMOVED.

- WOOD BEAMS/JOISTS SPECIFIED ON PLANS AS "LVL" SHALL BE LAMINATED VENEER LUMBER (LVL'S), GP LAM BY GEORGIA PACIFIC OR APPROVED EQUAL WITH THE FOLLOWING MINIMUM ALLOWABLE UNIT STRESSES:
 

F<sub>b</sub> = 2,900 PSI  
 G = 125,000 PSI  
 F<sub>v</sub> = 285 PSI  
 E = 2,000,000 PSI

COMPRESSION MBRS:

F<sub>c</sub> (PARALLEL TO GRAIN) = 2,600 PSI

TYPE AND GRADE SHALL BE STAMPED ON SIDE OF MEMBERS BY SUPPLIERS AND SHALL NOT BE REMOVED.

- MOISTURE CONTENT SHALL NOT EXCEED 19 PERCENT.
- LUMBER SHALL BE SOUND, THOROUGHLY SEASONED, WELL MANUFACTURED AND FREE FROM WARPS.
- PROVIDE BRIDGING OF SIZE RECOMMENDED BY MANUFACTURER FOR LUMBER SIZE USED. BLOCKING SHALL BE PERPENDICULAR TO FRAMING AND SHALL LINE UP ON CENTERS SPECIFIED ON DRAWINGS.
- CONNECTIONS SHALL BE ADEQUATE TO DEVELOP THE FULL STRENGTH OF THE MEMBERS.

**PLYWOOD SHEATHING NOTES**

- APA STRUCTURAL I RATED SHEATHING STD 3/4" C-C T&G WITH EXTERIOR GLUE, IDENTIFICATION INDEX 48/24 SHALL BE USED FOR FLOOR AND ROOF SHEATHING.
- ALL PLYWOOD SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.
- NAIL WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS AND WITH 8d NAILS AT 10" O.C. AT ALL INTERMEDIATE SUPPORTS MINIMUM, UNLESS NOTED OTHERWISE. NAILING SCHEDULE SHALL CONFORM TO GOVERNING CODE.
- FOR SHEAR WALLS TO BE STD 3/8" C-C WITH EXTERIOR GLUE. NAIL WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS AND WITH 8d NAILS AT 12" O.C. U.N.O.
- LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS; STAGGER JOINTS.
- PROVIDE BLOCKING AT UNSUPPORTED PLYWOOD PANEL EDGES.
- ORIENTED STRAND BOARD (OSB) MAY NOT BE SUBSTITUTED FOR PLYWOOD WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER.
- DO NOT CUT AND REFRAME ANY LUMBER WITHOUT THE PERMISSION OF THE ENGINEER.

**FRAMING NOTES**

**Caps & Bases**  
**PCZ/EPCZ Post Caps**

The next-generation PCZ/EPCZ post caps are designed with their post and beam flanges in-line so that one PCZ/EPCZ model can accommodate several post sizes. The PCZ/EPCZ now uses easier-to-install 10d common nails. An alternate choice of fasteners is Strong-Drive® SDX1 1/2" SD Connector screws. ZMAX® finish is standard to meet exposure conditions in many environments. See additional corrosion information at [www.strongtie.com/mta](http://www.strongtie.com/mta).

**MATERIAL:** 16 gauge  
**FINISH:** ZMAX coating

**INSTALLATION:**

- Use all specified fasteners; see General Notes.
- Do not install bolts into pilot holes.

**OPTIONS:**

- For end conditions, specify EPCZ post caps.
- For heavy-duty applications, see CCQ and CC Series.
- For retrofit applications, see AC and LC Series.

**CODES:** See page 12 for Code Reference Key Chart.

Model No.	W (in.)	Fasteners <sup>1,4</sup>	Post Size	Allowable Loads (DF/SP)			Code Ref.	
				Uplift (16d)	Lateral (16d)	Uplift (16d)		
PCZ4	3 3/4"	10-10d	8-10d	2-2x4	1480	1120	1130	160
				4x4	1480	1260	1130	
				4x6	1480	1260	1130	
PCZ6	5 1/2"	10-10d	8-10d	4x6	1480	1380	1130	160
				4x8	1480	1260	1130	
				4x6	1480	1260	1435	
PCZ8	7 1/2"	10-10d	8-10d	6x6	1480	1295	1435	160
				6x8	1480	1380	1435	
				4x8	1480	1260	1435	

- Allowable loads have increased for wind or earthquake with no further increase allowed; reduce where other loads govern.
- Uplift loads do not apply to spliced conditions. Spliced conditions must be detailed by the Designer to transfer tension loads between spliced members by means other than the post cap.
- Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers. Values in the tables reflect installation into the wide face and do not allow for installation into the narrow face.
- Post and beam may consist of multiple members provided they are connected independently of the post cap fasteners.
- 10d(2 1/2" x 148" dia. x 2 1/2" long) nails may be used with no load reduction for uplift and 0.85 of the table loads for lateral.
- Strong-Drive® SDX1 1/2" Connector screws may be substituted for table fasteners with no load reduction.
- Models available for rough size lumber, specify RZ suffix. Ex. PCZRZ.
- NAILS: 10d = 0.148" dia. x 2" long. See pages 22-23 for other nail sizes and information. SCREWS: SDX1 1/2" = 0.131" dia. x 1 1/2" long.

**Caps & Bases**  
**CCQ/ECCQ Column Caps**

This product is preferable to similar connectors because of: *a) easier installation, b) higher loads, c) lower installed cost, or a combination of these features.*

Column caps provide a high-capacity connection for column-beam combinations. This design uses Simpson Strong-Tie® Strong-Drive® SDS Heavy-Duty Connector screws to provide faster installation and provides a greater net section area of the column compared to bolts. The SDS screws provide for a lower profile compared to standard through bolts.

**MATERIAL:** CCQ3, ECCQ3, CCQ4, CCQ4.62, ECCQ4, ECCQ4.62, CCQ6, ECCQ6—7 gauge; all others—3 gauge

**FINISH:** Simpson Strong-Tie® gray paint, available in HDG; CCQ and ECCQ—no coating

**INSTALLATION:**

- Install 1/2" x 2 1/2" Strong-Drive SDS Heavy-Duty Connector screws, which are provided with the column cap. (Lag screws will not achieve the same load.)
- CCQ and ECCQ column cap only (no straps) may be ordered for field welding to pipe or other columns. Dimensions are same as CCQ and ECCQ.
- For rough cut lumber sizes, provide dimensions. An optional W<sub>2</sub> dimension may be specified with any column size given. (Note that the W<sub>2</sub> dimension on straps rotated 90° is limited by the W<sub>1</sub> dimension.)

**OPTIONS:**

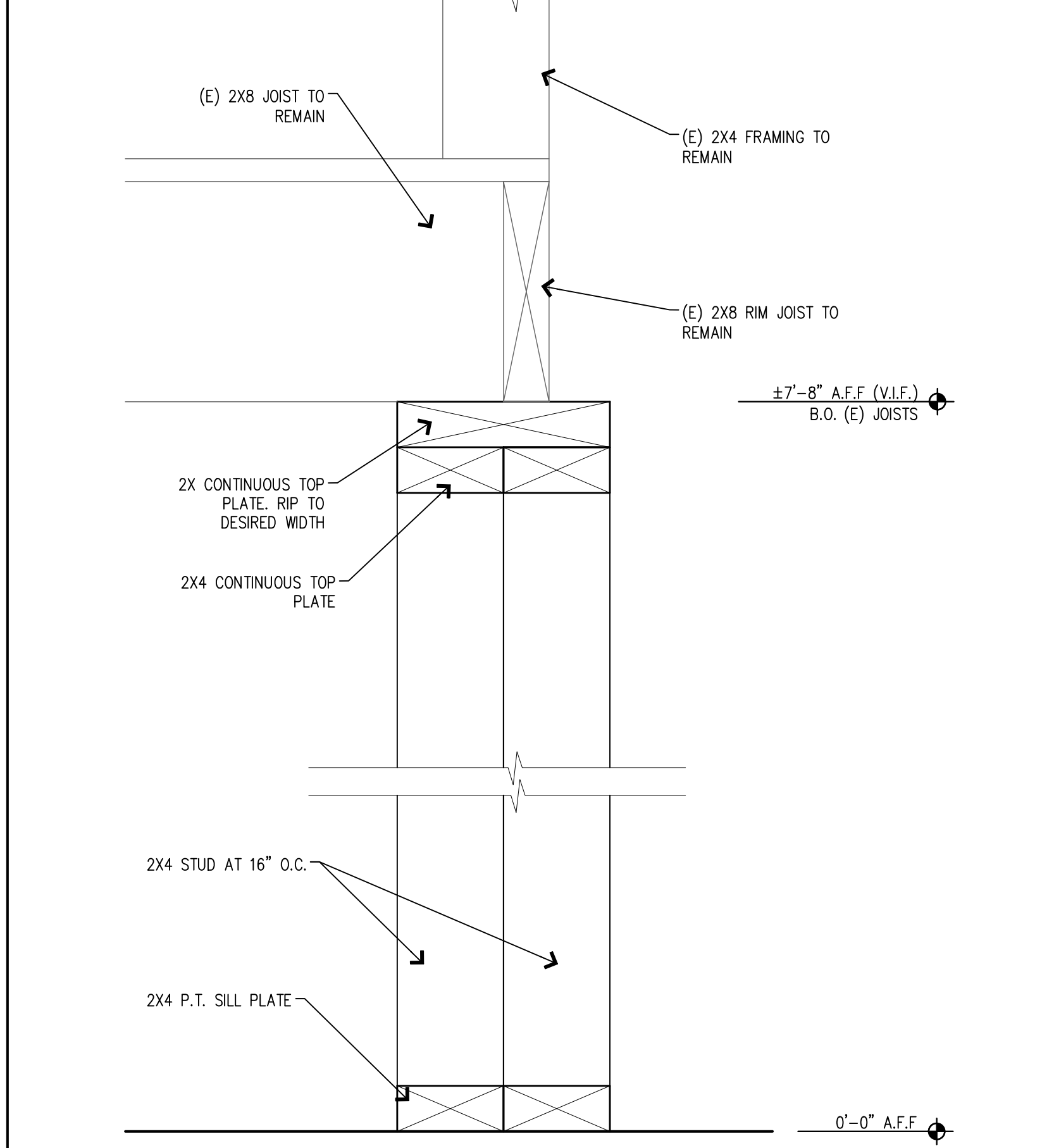
- For end conditions, specify ECCQ.
- Straps may be rotated 90° where W<sub>1</sub> > W<sub>2</sub> and for CCQ-6.

**CODES:** See page 12 for Code Reference Key Chart.

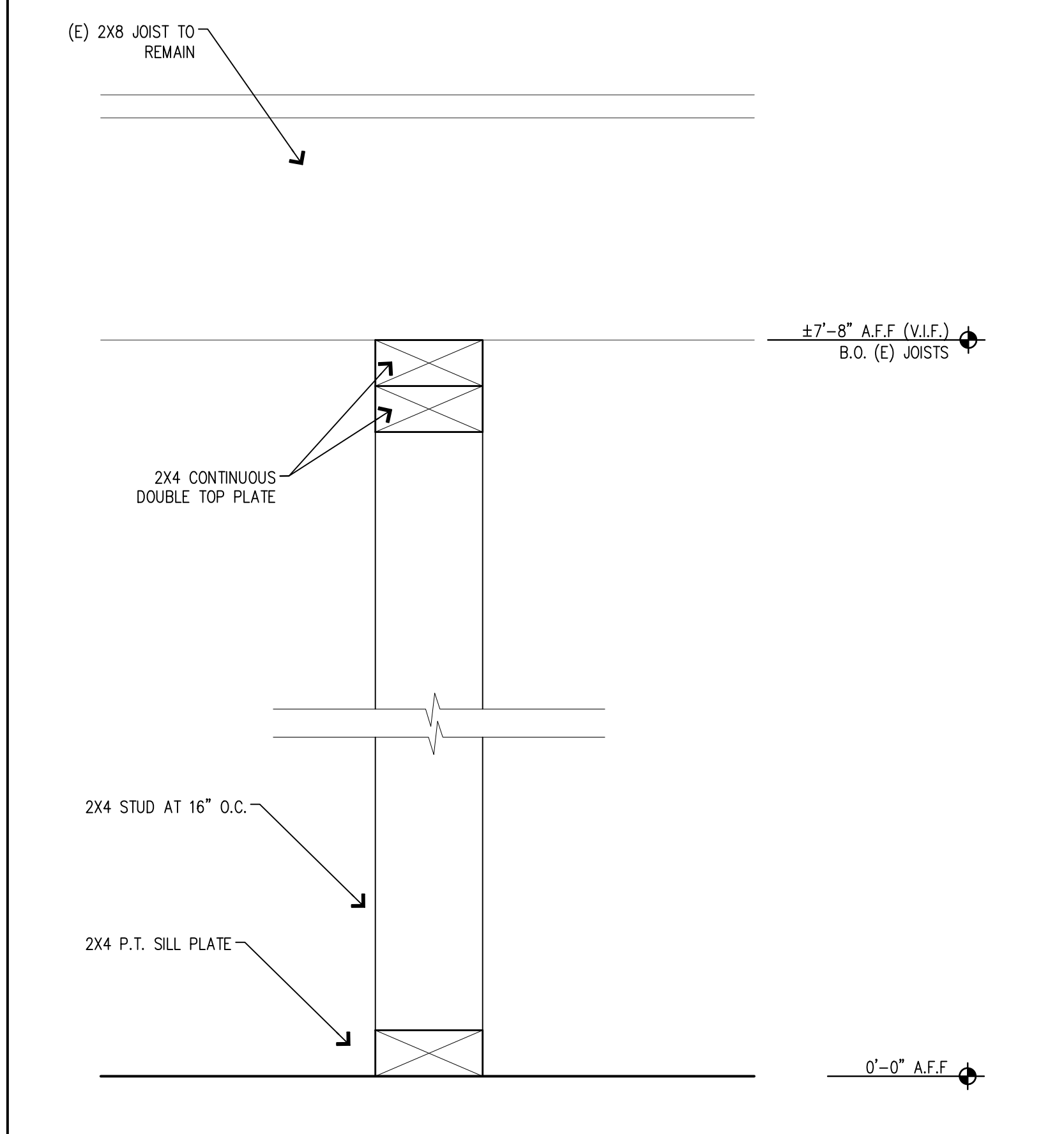
Model No.	Beam Width	W <sub>1</sub>	W <sub>2</sub>	L	H	No. of 1/2" x 2 1/2" SDS Screws	Allowable Loads (DF/SP)				Code Ref.	
							CCQ Uplift	CCQ Down	ECCQ Uplift	ECCQ Down		
CCQ3-4SDS2.5	3 1/4"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	18900	3695	6123	I12, L4, F11
CCQ3-6SDS2.5	3 1/4"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	19250	3695	9625	
CCQ4-4SDS2.5	4"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	19020	4040	7655	I12, L4, F11
CCQ4-6SDS2.5	4"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	7145	24065	4040	12030	
CCQ4-8SDS2.5	4"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	7145	24065	4040	16405	I12, L4, F11
CCQ4-12-3.62SDS2.5	4 1/2"	4 1/2"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	19020	4040	7655	
CCQ4-12-4.62SDS2.5	4 1/2"	4 1/2"	4 1/2"	11 8/8"	7 1/8"	16	14	5680	24450	4040	9845	I170
CCQ4-12-5.56SDS2.5	4 1/2"	4 1/2"	5 1/2"	11 8/8"	7 1/8"	16	14	7145	28585	4040	12030	
CCQ5-4SDS2.5	5 1/4"	5 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	26635	4040	10045	I12, L4, F11
CCQ5-6SDS2.5	5 1/4"	5 1/4"	5 1/4"	11 8/8"	7 1/8"	16	14	7245	28190	5535	15785	
CCQ5-8SDS2.5	5 1/4"	5 1/4"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	31570	5535	21925	I12, L4, F11
CCQ6-4SDS2.5	6"	5 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	28585	4040	10045	
CCQ6-6SDS2.5	6"	5 1/4"	5 1/4"	11 8/8"	7 1/8"	16	14	7145	30250	4040	18905	I160
CCQ6-8SDS2.5	6"	5 1/4"	7 1/8"	11 8/8"	7 1/8"	16	14	7145	37815	4040	25780	
CCQ6-13SDS2.5	6 1/2"	5 1/4"	7 1/8"	11 8/8"	7 1/8"	16	14	7145	37815	4040	24490	I160
CCQ7-4SDS2.5	7 1/8"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	34730	4040	18375	
CCQ7-1-6SDS2.5	7 1/8"	7 1/8"	3 1/4"	11 8/8"	7 1/8"	16	14	7245	38500	5535	28875	I12, L4, F11
CCQ7-7-3SDS2.5	7 1/8"	7 1/8"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	37750	5535	36750	
CCQ7-1-8SDS2.5	7 1/8"	7 1/8"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	52900	5535	38375	I12, L4, F11
CCQ7-7SDS2.5	7 1/8"	7 1/8"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	41580	5535	25515	
CCQ7-8SDS2.5	7 1/8"	7 1/8"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	41580	5535	28350	I160
CCQ7-1-4SDS2.5	7 1/8"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	34730	4040	18375	
CCQ7-1-5SDS2.5	7 1/8"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	34730	4040	18375	I12, L4, F11
CCQ7-1-7SDS2.5	7 1/8"	3 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	5680	34730	4040	18375	
CCQ8-6SDS2.5	8"	7 1/8"	3 1/4"	11 8/8"	7 1/8"	16	14	7245	41250	5535	25780	I160
CCQ8-8SDS2.5	8"	7 1/8"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	51565	5535	35155	
CCQ9-6SDS2.5	8"	8 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	7245	48125	5535	26950	I160
CCQ9-8SDS2.5	8"	8 1/4"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	53900	5535	36750	
CCQ10-6SDS2.5	10"	9 1/4"	3 1/4"	11 8/8"	7 1/8"	16	14	7245	52250	5535	32655	I160
CCQ10-8SDS2.5	10"	9 1/4"	7 1/8"	11 8/8"	7 1/8"	16	14	7245	52250	5535	32655	

- Uplift loads have been increased for wind or earthquake with no further increase allowed; reduce where other loads govern.
- Down loads may not be increased for short-term loading and shall not exceed the post capacity. See pages 245-246 for common post allowable loads.
- Uplift loads do not apply to splices conditions.
- Spliced conditions must be detailed by the Designer to transfer tension loads between spliced members by means other than the column cap.
- Column sides are assumed to lie in the same vertical plane as the beam sides. CCQ4.62 models assume a minimum 2 1/2" wide post.
- Structural composite lumber columns have sides that show either the wide face or the edges of the lumber strands/veneers. Values in the tables reflect installation into the wide face. See technical bulletin T-SCQ COLUMN for values on the narrow face (edge).
- Values in the tables reflect installation into the wide face. See technical bulletin T-SCQ COLUMN for values on the narrow face (edge).
- ECCQ uses 1/4" Strong-Drive® SDS Heavy-Duty Connector screws into the beam and 1/4" Strong-Drive SDS Heavy-Duty Connector screws into the post.
- Beam depth must be a minimum 7".
- For 5/8" engineered lumber, use 5/8" models.
- CCQ and ECCQ welded to steel column will achieve same load as CCQ and ECCQ. Steel column width shall not be less than beam width. Weld by Designer.

**COLUMN CAP DETAILS**



WOOD STUD WALL AT DIVIDER WALL



**TYPICAL WOOD STUD WALL**

**NEW STORE**

**ATHLETA**

GAP INC.  
 CORPORATE ARCHITECTURE  
 1 HARRISON STREET  
 SAN FRANCISCO, CA 94105

STORE NO.: 7641

STORE NAME:  
 PORTLAND

STORE LOCATION:  
 152 MIDDLE STREET  
 PORTLAND, ME 04101

PROJ. I.D.: 0000053405

PROTOTYPE DATE: 09/4/15  
 PROTOTYPE VERSION 4.1

CONSULTANT INFO:

PROFESSIONAL STAMP:

ARCHITECT INFO:

HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED BY MY OFFICE AND UNDER MY SUPERVISION AND THAT TO THE BEST OF MY KNOWLEDGE, THE SAME COMPLY WITH ALL LAWS, RULES, REGULATIONS AND ORDINANCES OF PORTLAND, ME RELATING TO STRUCTURES AND BUILDINGS.

ISSUE TYPE:  
 100% CD CHECKSET 5/20/16  
 PERMIT / BID  
 LL APPROVAL

DRAWN BY: NR  
 A&E JOB NO.: 16-5433

SHEET TITLE:  
 FRAMING DETAILS & NOTES

SHEET NUMBER:  
 A8-1