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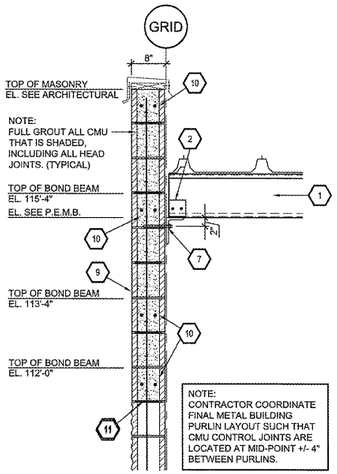
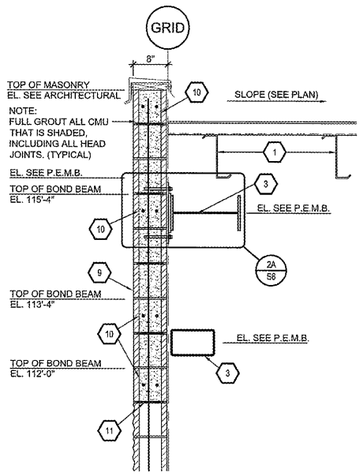
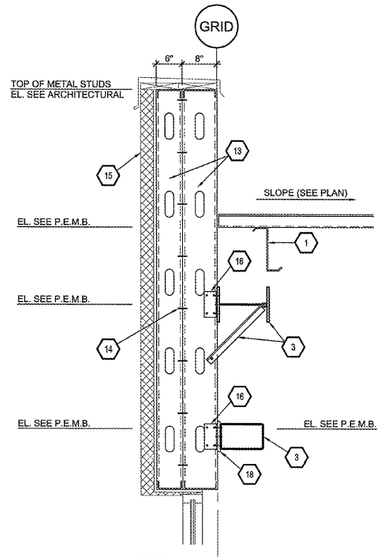


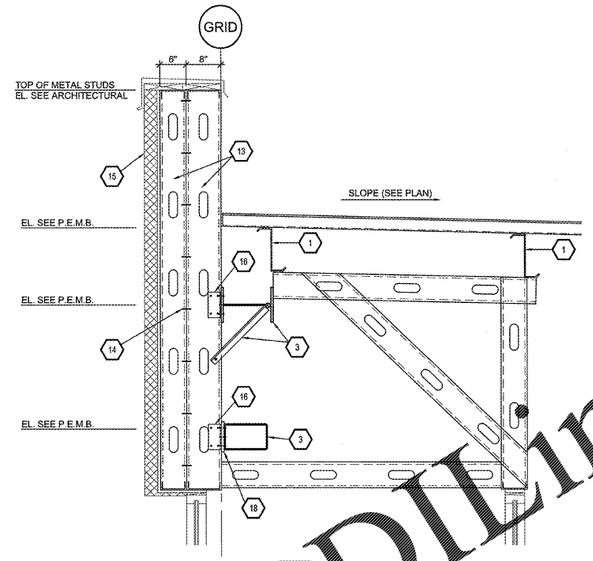
1 SECTION S6 SCALE: 3/4" = 1'-0"



2 SECTION S6 SCALE: 3/4" = 1'-0"



3 SECTION S6 SCALE: 3/4" = 1'-0"



4 SECTION S6 SCALE: 3/4" = 1'-0"

KEYNOTES:

1. PRE-ENGINEERED METAL BUILDING STRUCTURAL SYSTEM. SEE P.E.M.B. SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
2. CONNECTION CLIP AND BOLTS BY PRE-ENGINEERED METAL BUILDING SUPPLIER.
3. PRE-ENGINEERED METAL BUILDING WIND BEAM OR BRACING FOR LATERAL LOADS AND/OR VERTICAL SUPPORT AT STOREFRONT. SEE P.E.M.B. SHOP DRAWINGS. FIELD DRILL HOLES IN WIND BEAM TO MATCH CLIP LOCATIONS.
4. 14"(V) x 6"(H) x½" PLATE (MINIMUM VERTICAL DIMENSION = BEAM FLANGE + 6") WITH SHIM PLATES PROVIDED BY CONTRACTOR TO MATCH GAP @ 6" FROM EACH END OF EACH WIND BEAM, 32"oc ON GRID C (@ 48"oc ON GRID A). WIND BEAM AND PLATES WELDED TOGETHER AS SHOWN ON 2A/S6.
5. ANCHOR WIND BEAM TO WALL BY DRILLING ⅞" DIA. x [illegible] DEEP HOLES INTO MASONRY AT 32"oc ON GRID C (@ 48"oc ON GRID A) FOR (2) ¾" DIA. X 0'-8½" ALL-THREAD ROD IN FULLY GROUTED CELLS. EPOXY IN PLACE, REFER TO EPOXY INSTALLATION NOTES.
6. L 6"x4"x½" (LLV) x1'-8" LONG. ANCHOR TO WALL BY DRILLING ⅞" DIA. x0'-6½" DEEP HOLES INTO MASONRY FOR (2) ¾" DIA. x0'-8½" @ 16"oc ALL-THREAD ROD IN FULLY GROUTED CELLS, TOP AND BOTTOM OF WIND BEAM. EPOXY IN PLACE, REFER TO EPOXY INSTALLATION NOTES.
7. CONTINUOUS L 6"x4"x½" LEDGER ANGLE. ANCHOR TO WALL BY DRILLING ⅞" DIA. x 0'-6¾" DEEP HOLE INTO MASONRY FOR (2) ¾" DIA. x 0'-8½" ALL-THREAD ROD AT 8"oc CENTERED ON EACH ROOF PURLIN IN FULLY GROUTED CELLS. SHIFT UP TO 4" TO AVOID HEAD JOINTS PER IAPMO UES ESR-281, CONTRACTOR COORDINATE. EPOXY IN PLACE, REFER TO EPOXY INSTALLATION NOTES. ANCHOR ALSO TO BE LOCATED WITHIN 8" OF ANGLE ENDS.
8. L 6"x4"x½" 1'-4" LONG. ANCHOR TO WALL BY DRILLING ⅞" DIA. x0'-6½" DEEP HOLES INTO MASONRY FOR (7) ¾" DIA. x0'-8½" @ 8"oc ALL-THREAD ROD IN FULLY GROUTED CELLS. EPOXY IN PLACE, REFER TO EPOXY INSTALLATION NOTES.
9. 8" (NOM) SPLIT OR SMOOTH FACE CMU, REFER TO ARCHITECTURAL. REFER TO CMU WALL NOTES ON SHEET S1 FOR WALL VERTICAL AND HORIZONTAL REINFORCEMENT.
10. CONTINUOUS 8" (NOM) SPLIT OR SMOOTH FACE LINTEL BLOCK OR BOND BEAM (REFER TO ARCHITECTURAL) W/ (2) #4's CONT.
11. 9ga LADDER STYLE BLOCK JOINT REINFORCING @16"oc VERTICALLY (2) CONTINUOUS 9ga WIRES LONGITUDINALLY PER WIDTH OF BLOCK AND 9ga CROSS WIRE (HOT DIPPED GALV.) (FULL WIDTH OF ALL UNITS AT MULTI-WIDTH.) START JOINT REINFORCEMENT AT 16" ABOVE GRADE BEAM.
12. NOT USED
13. 6" AND 8" METAL STUDS WITH DENSGLASS SHEATHING PER TYPICAL COLD-FORMED NOTES.
14. FASTEN STUDS TOGETHER WITH #10 SCREWS @ 12"oc
15. EXTERIOR FINISH, REFER TO ARCHITECTURAL DRAWINGS.
16. STEEL NETWORK "STIFFCLIP AL600" (OR EQUIVALENT) FASTENED TO EACH STUD w/(4) #12 SCREWS AND TO P.E.M.B. STRUCTURAL SYSTEM WITH (3) #12 SCREWS. (AT FULL HEIGHT STUDS, STEEL NETWORK "VERTICLIP SLB600" (OR EQUIVALENT) FASTENED TO EACH STUD w/ (3) #12 SCREWS AND TO P.E.M.B. STRUCTURAL SYSTEM WITH (3) #12 SCREWS.) SHIM PLATES TO MATCH GAP AT EACH STUD. WIND BEAM AND PLATE WELDED TOGETHER SIMILAR TO 2A/S6.
17. NOT USED
18. SHIM PLATES PROVIDED BY CONTRACTOR TO MATCH GAP AT EACH STUD. WIND BEAM AND PLATE WELDED TOGETHER WITH 1/4" WELD TOP AND BOTTOM

2A SECTION S6 SCALE: 1-1/2" = 1'-0"

(TYPICAL P.E.M.B. STRUT CONNECTION TO MASONRY AT END SPANS)

6A SECTION S6 SCALE: 3/4" = 1'-0"

(TYPICAL P.E.M.B. STRUT CONNECTION TO MASONRY AT END SPANS)

7 SECTION S6 SCALE: 3/4" = 1'-0"

5 SECTION S6 SCALE: 3/4" = 1'-0"

(TYPICAL P.E.M.B. STRUT CONNECTION TO MASONRY AT END SPANS)

6 SECTION S6 SCALE: 3/4" = 1'-0"

COLD-FORMED STEEL FRAMING NOTES:
TYPICAL COLD-FORMED STUD, JOIST AND TRACK SHALL BE PER THE FOLLOWING, UNLESS OTHERWISE NOTED IN SECTIONS:

1. TYPICAL 6" STUDS:
   600S162-43 AT 16" ON CENTER. 6" STUD WITH 1⅝" STIFFENED FLANGES 18 GAUGE (t = 0.0451" OR 43 MILS)
2. TYPICAL 6" TRACK:
   600T150-43 TOP AND BOTTOM OF STUD 6" TRACK WITH 1½" FLANGES 18 GAUGE (t = 0.0451" OR 43 MILS)
3. TYPICAL 8" STUDS:
   800S162-54 AT 16" ON CENTER. 8" STUD WITH 1⅝" STIFFENED FLANGES 16 GAUGE (t = 0.0568" OR 54 MILS)
4. TYPICAL 8" TRACK:
   800T150-43 TOP AND BOTTOM OF STUD 8" TRACK WITH 1½" FLANGES 16 GAUGE (t = 0.0568" OR 54 MILS)
5. TYPICAL 6" JOIST:
   600S262-43 UNPUNCHED SECTION, 6" DEEP UNPUNCHED SECTION 18 GAUGE (t = 0.0451" OR 43 MILS) WITH TRACK OF MATCH GAUGE ON EACH END.
6. TYPICAL CONNECTIONS BETWEEN STUDS AND TRACK WITH (2) ASTM C-1513 CORROSION RESISTANT COATED #10 SELF DRILLING AND TAPPING SCREWS WITH LOW PROFILE (⅝" OR LESS) WITH ½ EACH SIDE AND APPLIED TO EACH END, UNLESS NOTED OTHERWISE.
7. CONNECTIONS TO METAL BUILDING NOTED IN SECTION AND SHALL BE APPLIED TYPICAL, UNLESS NOTED OTHERWISE.
8. FOR NON-STRUCTURAL INTERIOR STUD WALLS, CONNECTION TO CONCRETE SHALL BE A SIMPSON STRONG-TIE STRONG BOLT-2, ⅜" DIA. WITH 1⅞" EMBED @ 32"oc, CENTERED ON STUD TRACK. MINIMUM OF 2 PER RUNNER. RUNNER TRACK THICKNESS SHALL MATCH WALL STUD GAGE.
9. FOR ALL OTHER STUD WALLS, CONNECTION TO CONCRETE SHALL BE A SIMPSON STRONG-TIE TITEN HD (ESR-2713) ½" DIA. WITH 4" EMBED @ 48"oc, CENTERED ON STUD TRACK. MINIMUM OF 2 PER RUNNER. RUNNER TRACK THICKNESS SHALL MATCH WALL STUD GAGE.
10. ALL STUD CONSTRUCTION SHALL HAVE HORIZONTAL BRIDGING AT 48" ON CENTER VERTICALLY. HORIZONTAL SHALL BE CHANNEL WELDED OR MECHANICALLY FASTENED TO WEBS OF PUNCHED STUDS WITH A MINIMUM OF TWO SCREWS INTO EACH FLANGE OF THE CLIP ANGLE FOR FRAMING MEMBER UP TO 6 INCHES DEEP. FOR MEMBERS OVER 6" DEEP AND ALTERNATE FOR 6" DEEP PUNCHED STUDS COMBINATION OF FLAT, TAUT, STEEL SHEET STRAPS OF WIDTH AND THICKNESS MATCHING SOLID TRACK. BLOCKING FLANGE AND THICKNESS AT 8 FEET ON CENTER HORIZONTALLY. STRAPS AND TRACK BLOCK TO BE ANCHORED TO EACH STUD WITH (2) SCREWS (⅝ EACH SIDE).
11. EXTERIOR SHEATHING SHALL BE EXTERIOR DENSGLASS SHEATHING. ATTACH DENSGLASS TO EACH STUD WITH #10 FLAT HEAD SCREWS @ 6"o.c. AT PERIMETER OF SHEETS AND @ 12"o.c. AT SHEET INTERIOR. PROVIDE COLD- FORMED BLOCK AT ALL SHEATHING EDGES.

SIMPSON "AT-XP" EPOXY SYSTEM INTO MASONRY

1. SIMPSON STRONG-TIE "AT-XP" EPOXY SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. ANCHORS SHALL BE FULL TIME INSPECTED IN ACCORDANCE WITH IAPMO UES, EVALUATION REPORT NUMBER 281.
2. ALL THREADED ROD SHALL BE ASTM F1554 - GRADE 36 AND BE CLEANED WITH NON-PETROLEUM CLEANER, LEAVING NO RESIDUAL.
3. CONTRACTOR REVIEW AND COORDINATE ANCHOR LAYOUT PRIOR TO DRILLING TO ASSURE ALL HOLES ARE 1½" CLEAR OF MASONRY UNIT HEAD JOINTS PER IAPMO UES ESR-281.
4. DRILL PROPER SIZE HOLE IN FILLED CELL FOR DESIGNATED ANCHOR AS SHOWN ON THE PLANS. CLEAN OUT HOLE WITH OIL-FREE COMPRESSED AIR. COMPLETE PREPARATION WITH USE OF A NYLON BRUSH (DO NOT USE WIRE BRUSH), BLOW OUT DUST OR FRAGMENTS.
5. PRIOR TO INJECTION, DISCHARGE AND DISPOSE OF APPROXIMATELY ONE FLUID OUNCE OF EPOXY. EPOXY MUST BE UNIFORM IN COLOR. INSERT NOZZLE INTO THE BOTTOM OF THE HOLE AND FILL ONE HALF THE HOLE DEPTH.
6. MARK SIDE OF ANCHOR PRIOR TO PLACEMENT TO INSURE THE ROD IS PLACE TO THE REQUIRED DEPTH.
7. INSERT SELECTED ROD SLOWLY BY HAND INTO THE BOTTOM OF THE HOLE USING A SLOW TWISTING MOTION.
8. LOAD ONLY AFTER RECOMMENDED CURE TIME (SEE MANUFACTURER'S RECOMMENDATIONS).

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