

TYPICAL SHEET 3 GENERAL NOTES:

- The illustrative details provided herein are intended to highlight the minimum fabrication and welding details that should be reflected on the structural plan. It shall not be used as a substitute for or in lieu of structural details that the Engineer or Architect of Record must provide on the structural plan.
- The illustrative details does not provide information such as, but not limited to, size of columns or beams, continuity or doubler plate thicknesses, size and length of the fillet welds, the type of beam to column moment connections, steel column frame to foundation connections, or length and location of plastic hinging zones. This information shall be determined by the Engineer or Architect of Record and specified on the structural plan.
- Where the illustrative details provide information such as weld type to use at a particular weld joint, minimum or maximum dimensions for length, weld size, or gap between base metals, it should be appropriately reflected on the structural plan by the Engineer or Architect of Record.

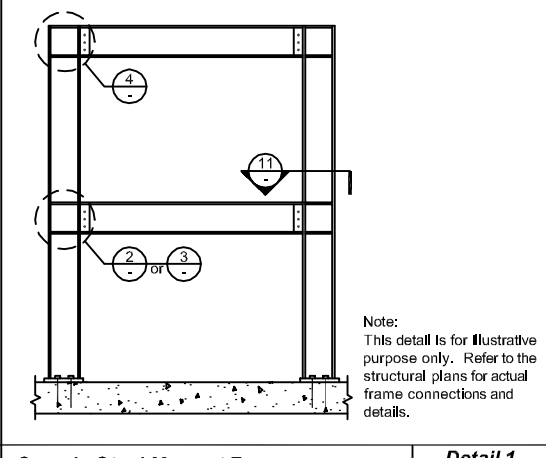
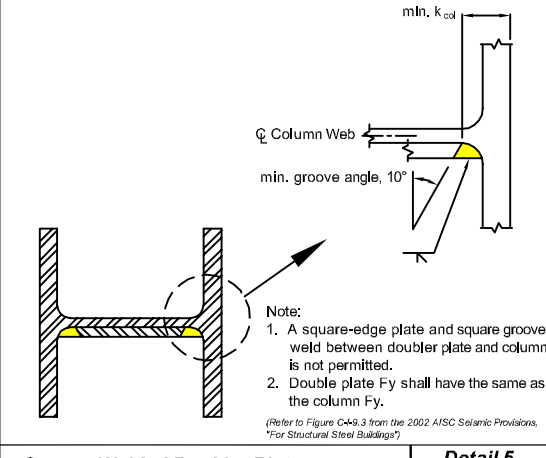
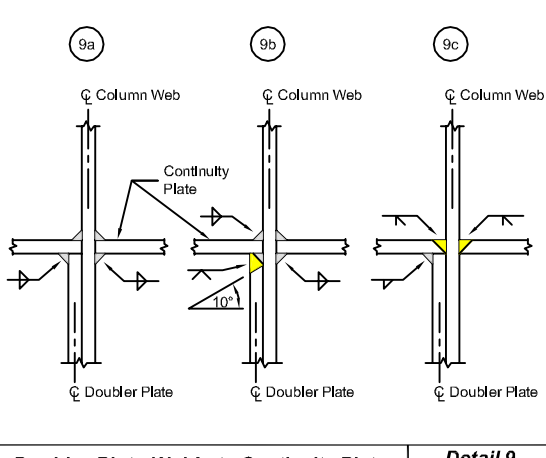
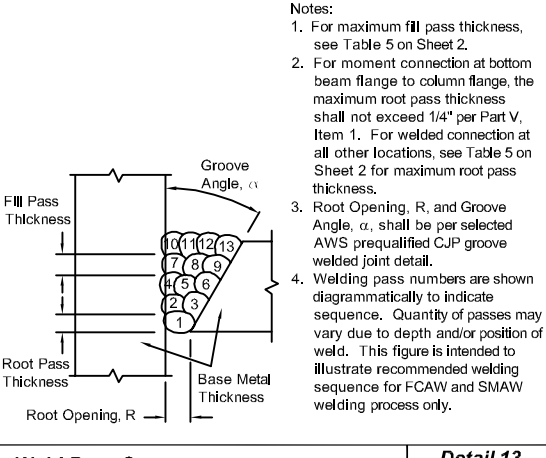
Plug Welding of Doubler Plate to Column **Detail 16**
Scale: Not to Scale

Weld Access Hole Detail **Detail 12**
Scale: Not to Scale

Doubler Plate Welds to Continuity Plate **Detail 8**
Scale: Not to Scale

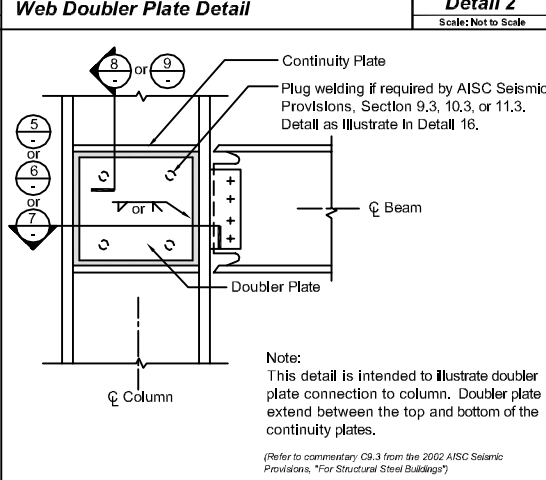
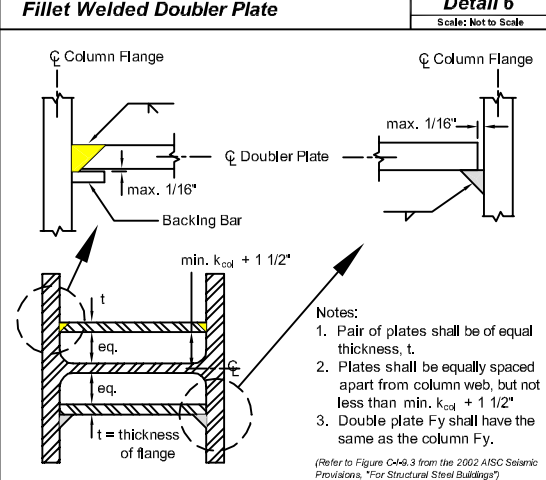
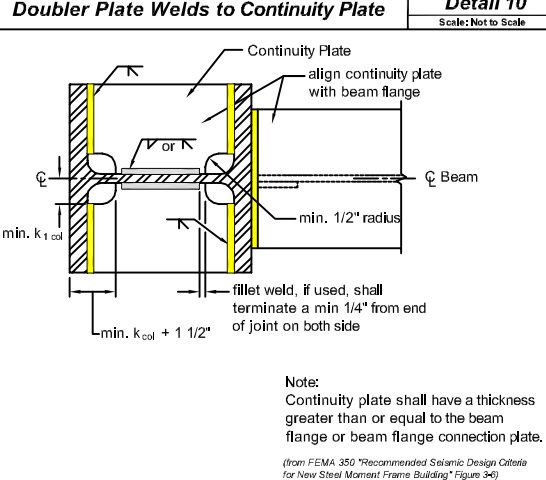
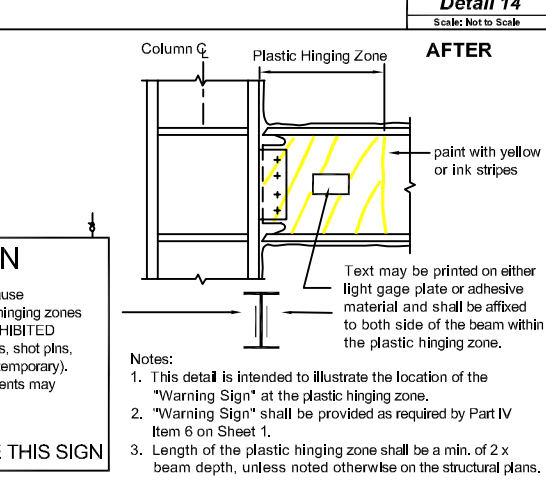
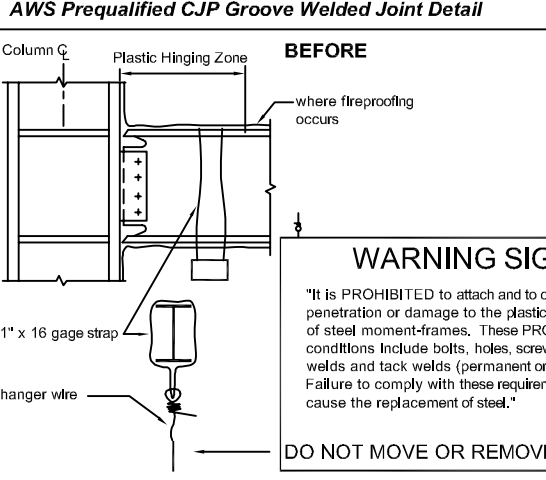
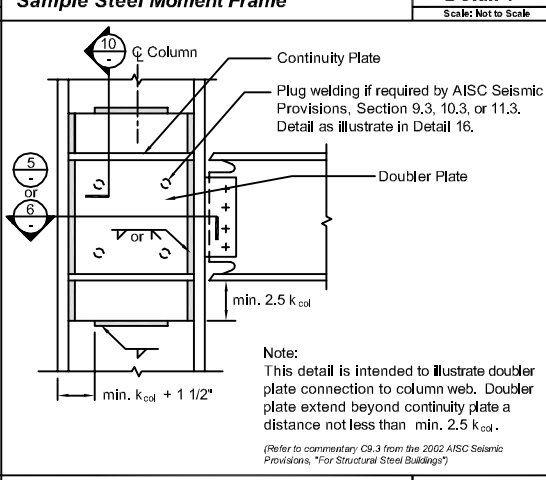
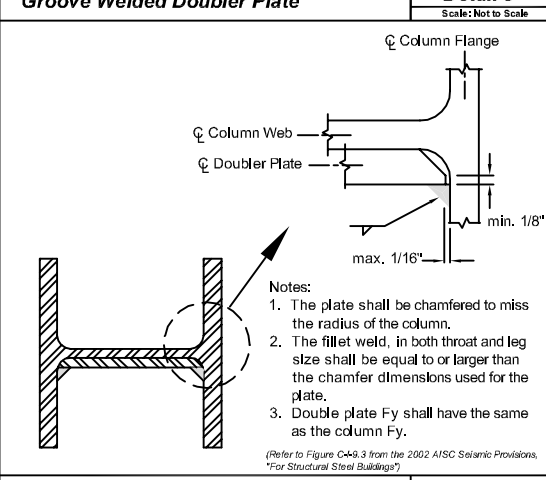
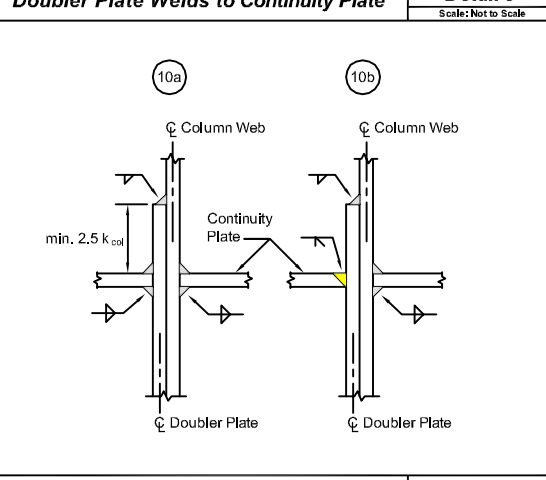
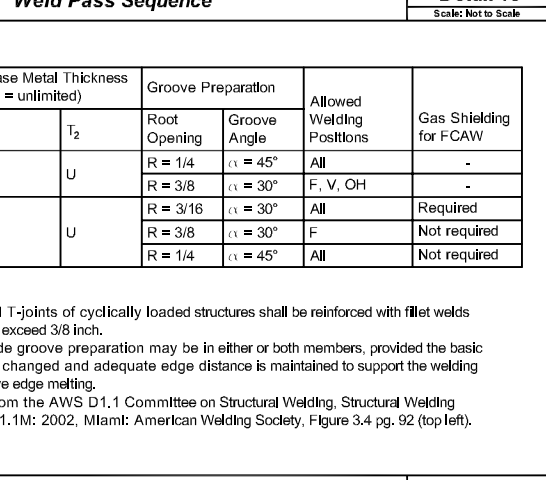
Web Doubler Plate Detail **Detail 4**
Scale: Not to Scale

Typical Sheet 3 Notes



TOLERANCES	
As Detailed	As Fit-Up
R = +1/16, -0	+1/4, -1/16
alpha = +10°, -0°	+10°, -5°

Welding Process	Joint Designation	Base Metal Thickness (U = unlimited)		Groove Preparation		Allowed Welding Positions	Gas Shielding for FCAW
		T ₁	T ₂	Root Opening	Groove Angle		
SMAW	TC-U4a	U	U	R = 1/4 alpha = 45° R = 3/8 alpha = 30°	alpha = 45° alpha = 30°	All F, V, OH	-
FCAW	TC-U4a-GF	U	U	R = 3/16 R = 3/8 R = 1/4	alpha = 30° alpha = 30° alpha = 45°	All F All	Required Not required Not required



Warning Sign at Plastic Hinging Zone **Detail 15**
Scale: Not to Scale

Continuity Plate Detail **Detail 11**
Scale: Not to Scale

Groove or Fillet Welded Doubler Plate **Detail 7**
Scale: Not to Scale

Web Doubler Plate Detail **Detail 3**
Scale: Not to Scale

Web Doubler Plate Detail **Detail 2**
Scale: Not to Scale

SITE ADDRESS:
OWNER:

STANDARD QUALITY ASSURANCE PLAN
For Steel Moment Frames

The specifications and illustrative details presented in this Standard Quality Assurance Plan are intended to highlight the minimum fabrication and welding details that should be reflected on the structural plan. It shall not be used as a substitute for or in lieu of structural details that the Engineer or Architect of Record must provide on the structural plan.

Engineer of Record
LA DPS
DEPARTMENT OF BUILDING AND SAFETY
Date: 06/20/2005
Scale: Not to Scale
Sheet: **Sheet 3 of 3**