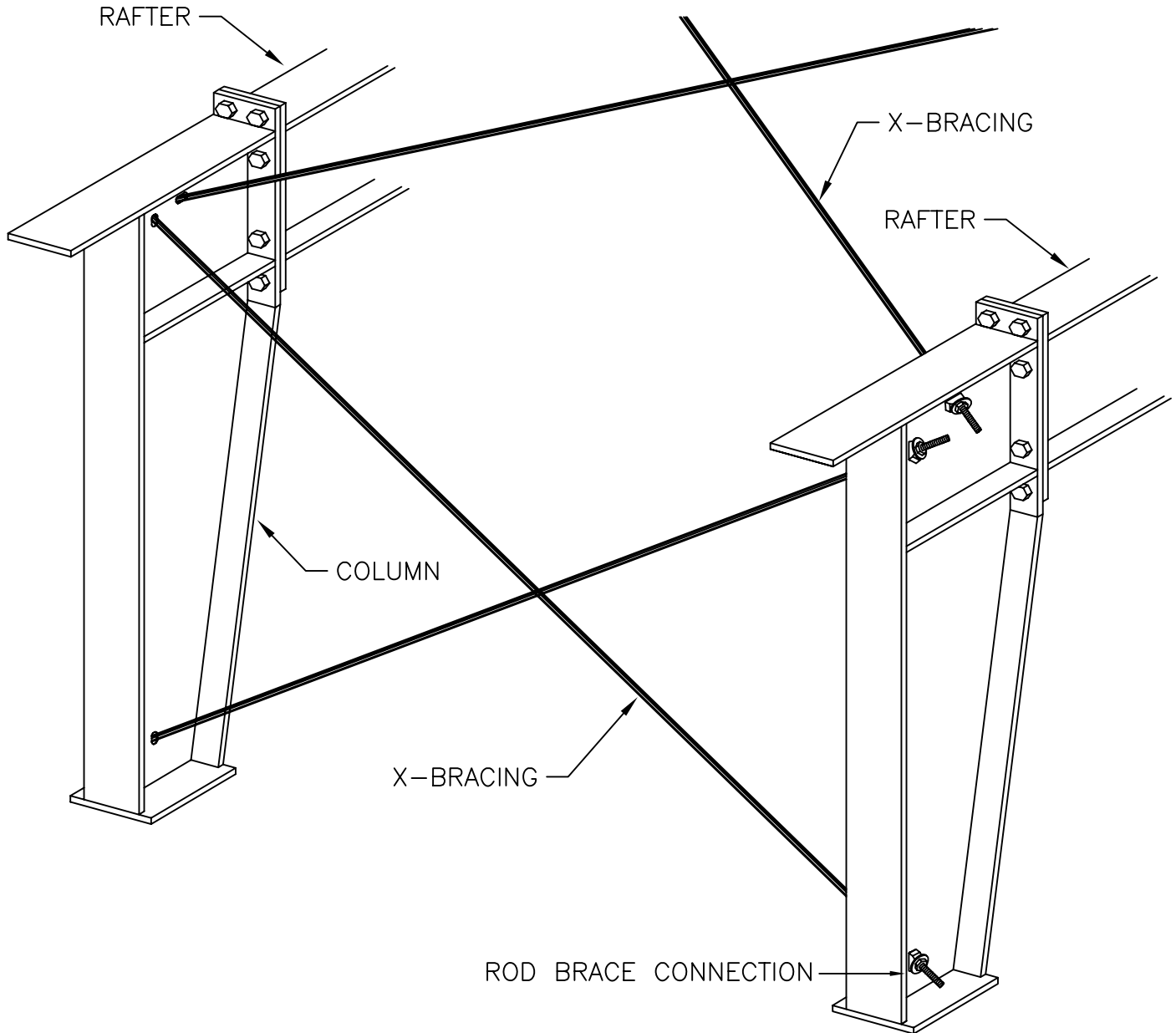


PRIMARY FRAME DETAIL  
X-BRACING

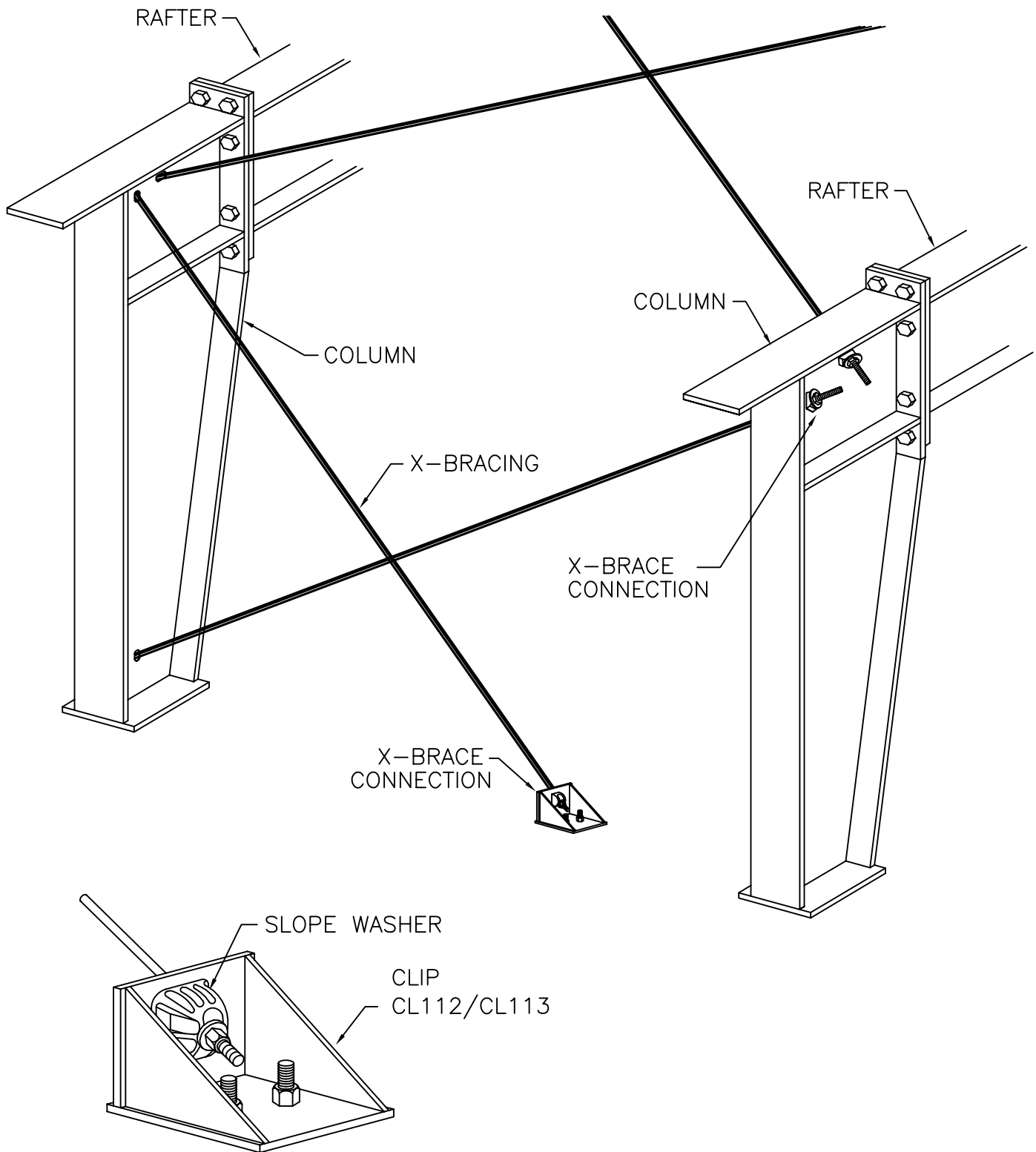
SHT. NO.	
PFO4001	
DATE	REV.
DEC. 05	00



NOTES: FRAME SHAPES MAY VARY.  
X-BRACES ARE PERMANENT AND MAY NOT BE REMOVED AFTER ERECTION  
UNLESS NOTED FOR PLUMBING PURPOSES ON ERECTION DRAWINGS.

PRIMARY FRAME DETAIL  
ROD BRACING – TO FLOOR

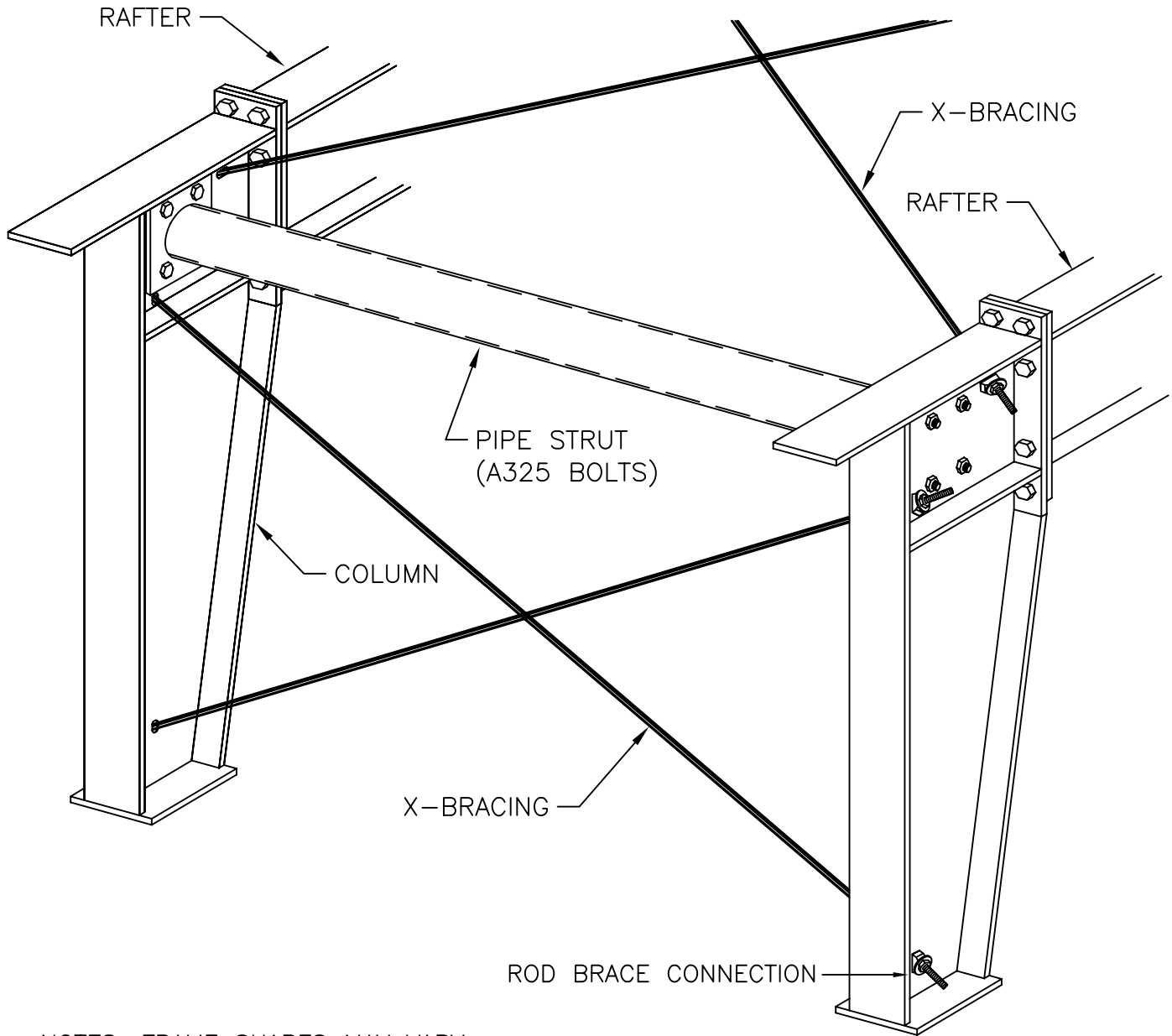
SHT. NO. PF04002	
DATE DEC. 05	REV. 00



NOTES: FRAME SHAPES MAY VARY.  
X-BRACES ARE PERMANENT AND MAY NOT BE REMOVED AFTER ERECTION  
UNLESS NOTED FOR PLUMBING PURPOSES ON ERECTION DRAWINGS.

PRIMARY FRAME DETAIL  
X-BRACING — WEB MOUNTED PIPE STRUT

SHT. NO. PF04003	
DATE DEC. 05	REV. 00

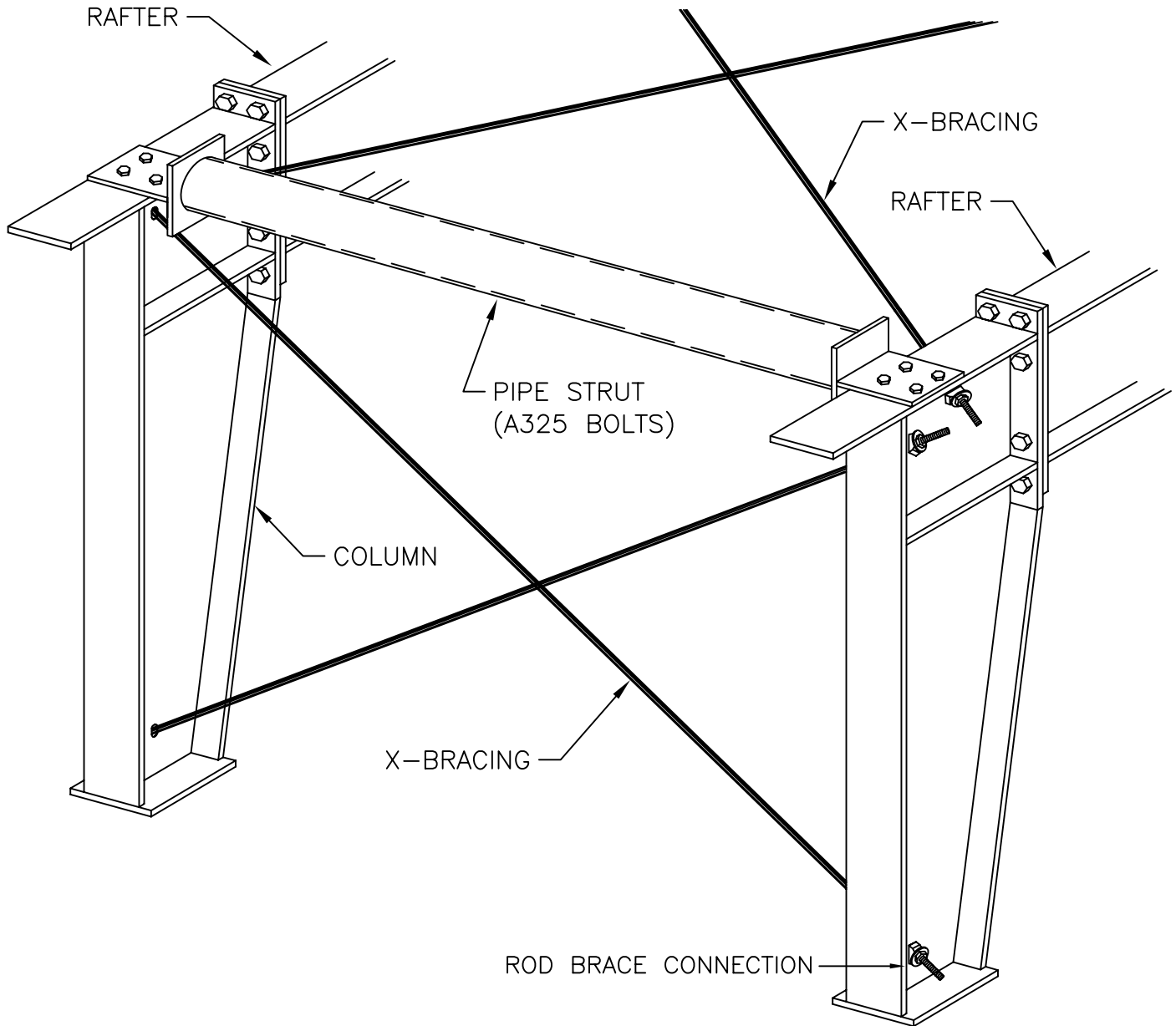


NOTES: FRAME SHAPES MAY VARY.

X-BRACES ARE PERMANENT AND MAY NOT BE REMOVED AFTER ERECTION  
UNLESS NOTED FOR PLUMBING PURPOSES ON ERECTION DRAWINGS.

PRIMARY FRAME DETAIL  
X-BRACING-FLANGE MOUNTED PIPE STRUT

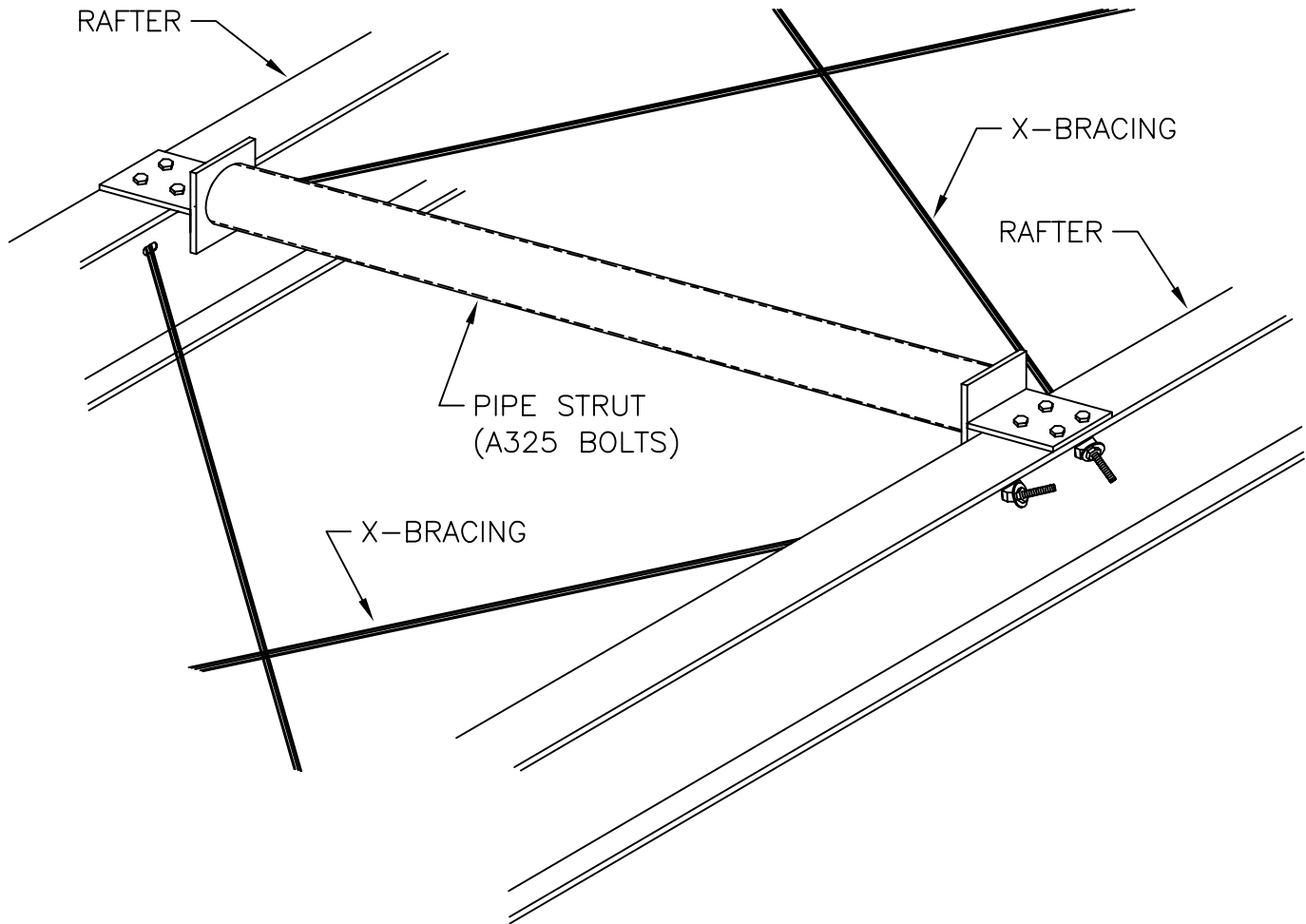
SHT. NO. PFO4004	
DATE DEC. 05	REV. 00



NOTES: FRAME SHAPES MAY VARY.  
X-BRACES ARE PERMANENT AND MAY NOT BE REMOVED AFTER ERECTION  
UNLESS NOTED FOR PLUMBING PURPOSES ON ERECTION DRAWINGS.

PRIMARY FRAME DETAIL  
X-BRACING FLANGE MOUNTED PIPE STRUT

SHT. NO. PFO4005	
DATE DEC. 05	REV. 00

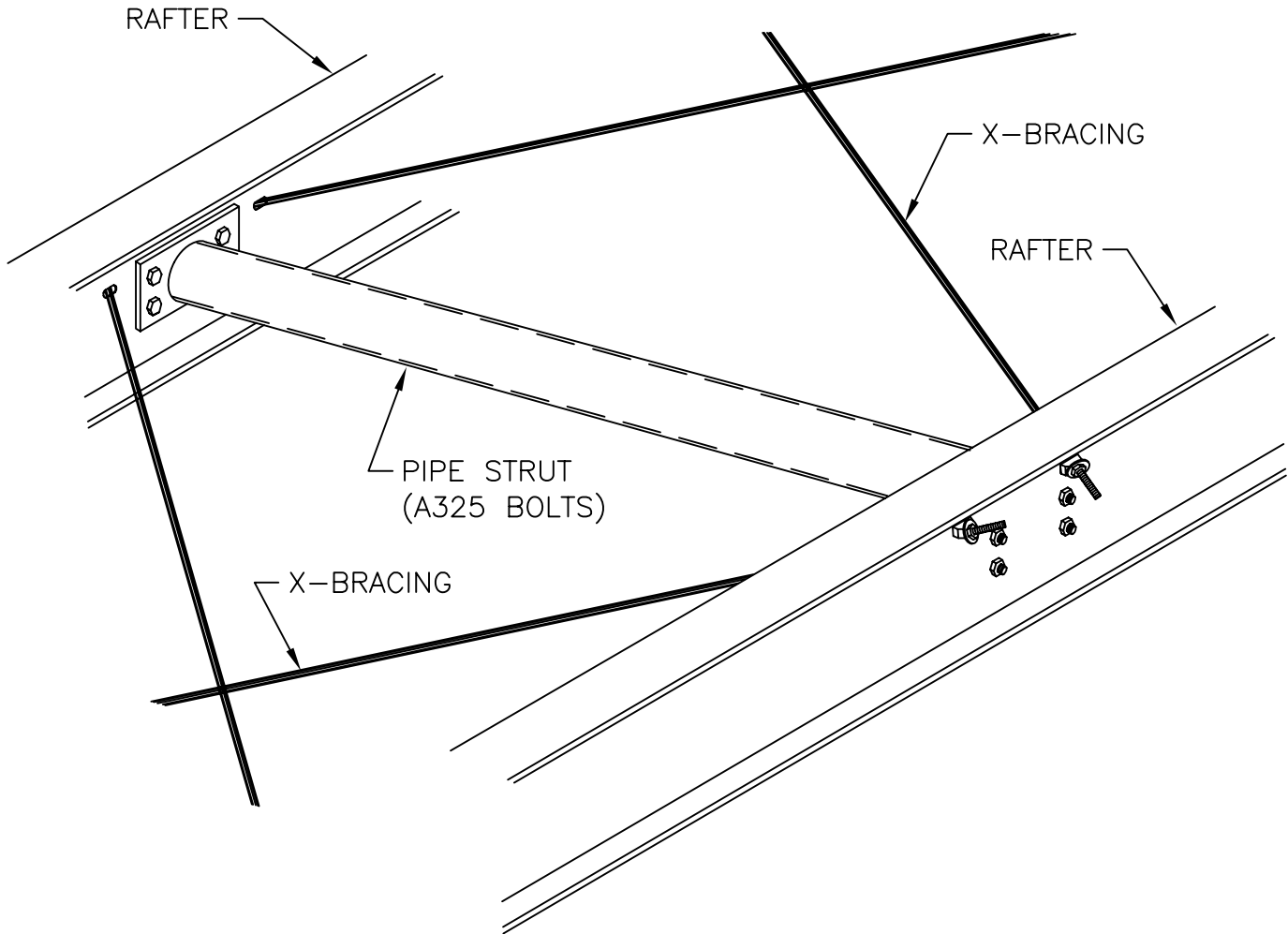


NOTES: FRAME SHAPES MAY VARY.

X-BRACES ARE PERMANENT AND MAY NOT BE REMOVED AFTER ERECTION  
UNLESS NOTED FOR PLUMBING PURPOSES ON ERECTION DRAWINGS.

PRIMARY FRAME DETAIL  
X-BRACING WEB MOUNTED PIPE STRUT

SHT. NO. PFO4006	
DATE DEC. 05	REV. 00

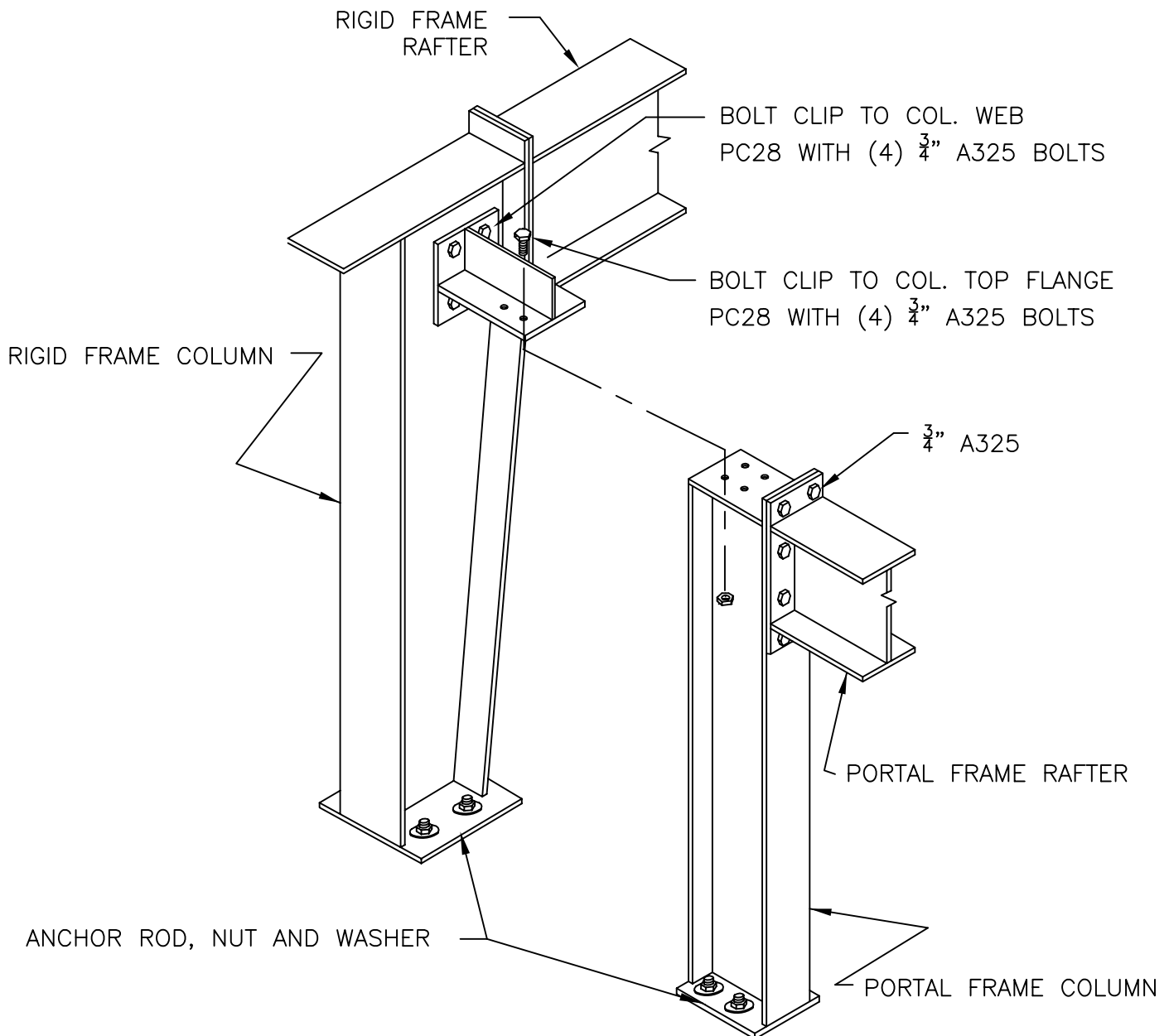


NOTES: FRAME SHAPES MAY VARY.

X-BRACES ARE PERMANENT AND MAY NOT BE REMOVED AFTER ERECTION  
UNLESS NOTED FOR PLUMBING PURPOSES ON ERECTION DRAWINGS.

PRIMARY FRAME DETAIL  
PORTAL FRAME TO FLOOR WITH CLIP

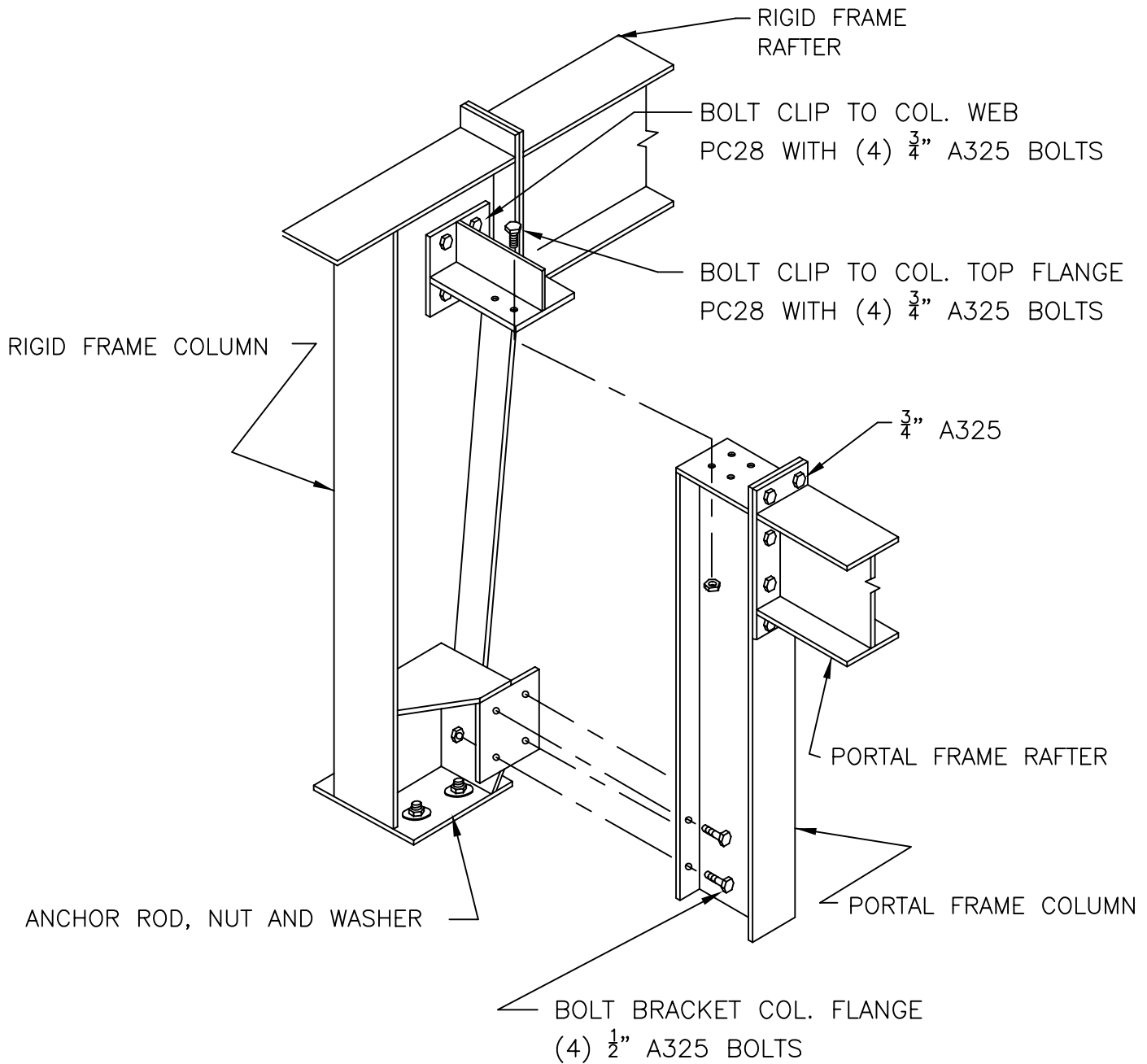
SHT. NO. PFO4013	
DATE APR. 03	REV. 00



NOTE: FRAME SHAPES MAY VARY.  
SEE FRAMING PLAN FOR PORTAL FRAME LOCATIONS

PRIMARY FRAME DETAIL — PORTAL  
FRAME NOT TO FLOOR WITH CLIP

SHT. NO. PFO4014	
DATE APR. 03	REV. 00

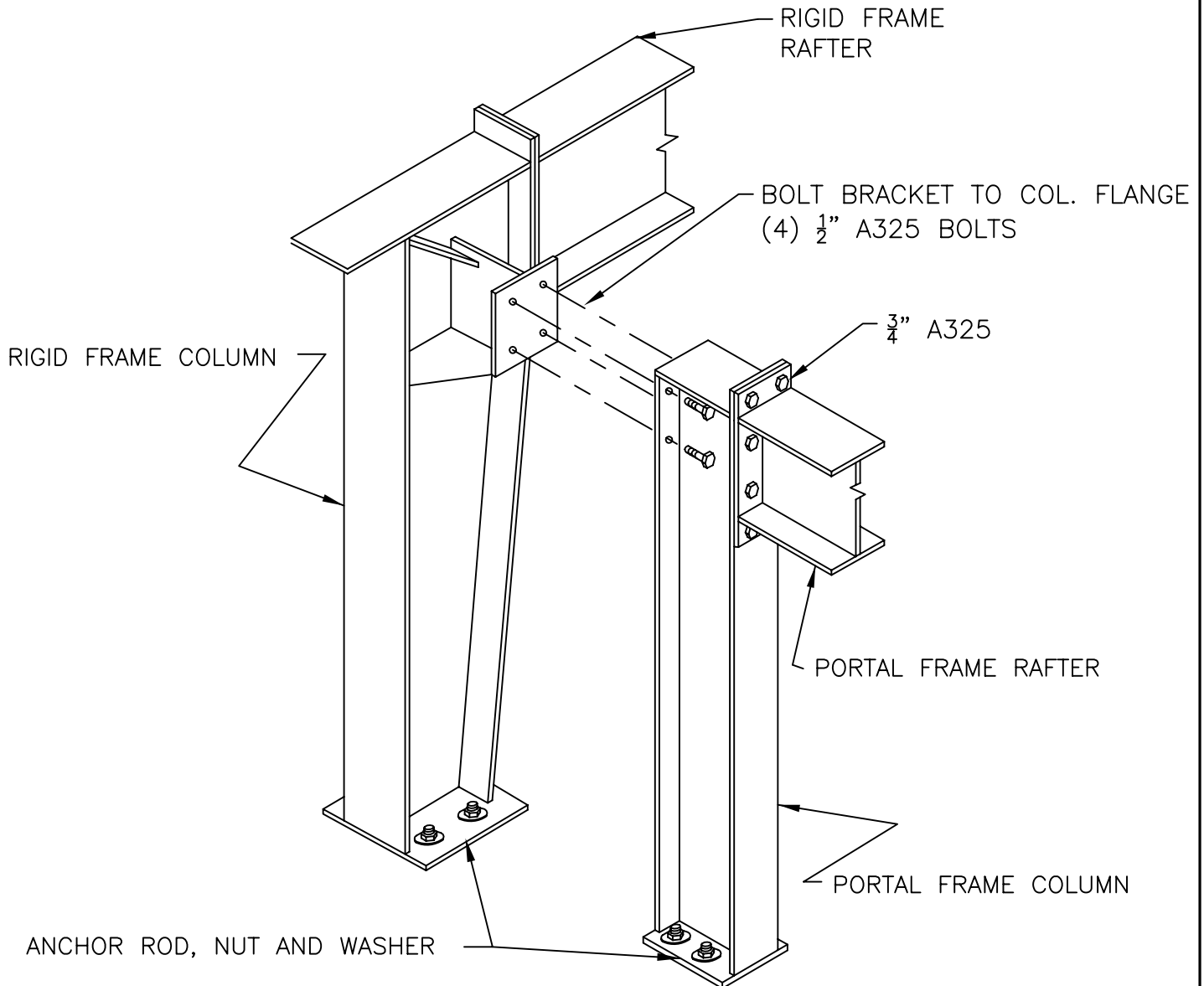


NOTE: FRAME SHAPES MAY VARY.  
SEE FRAMING PLAN FOR PORTAL FRAME LOCATIONS



PRIMARY FRAME DETAIL – PORTAL  
FRAME TO FLOOR WITH BRACKET

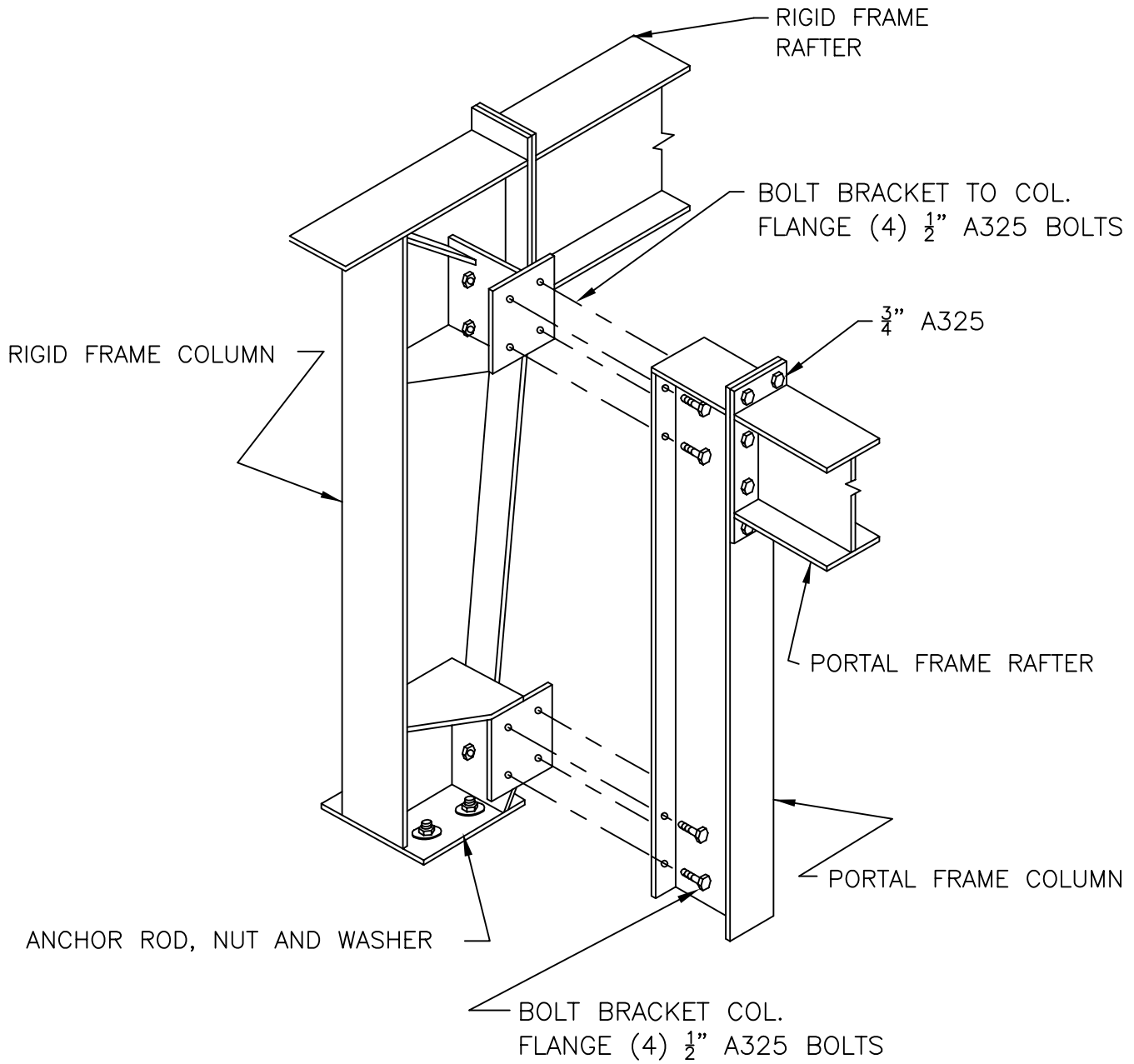
SHT. NO. PFO4015	
DATE APR. 03	REV. 00



NOTE: FRAME SHAPES MAY VARY.  
SEE FRAMING PLAN FOR PORTAL FRAME LOCATIONS

PRIMARY FRAME DETAIL  
PORTAL FRAME WITH BRACKETS

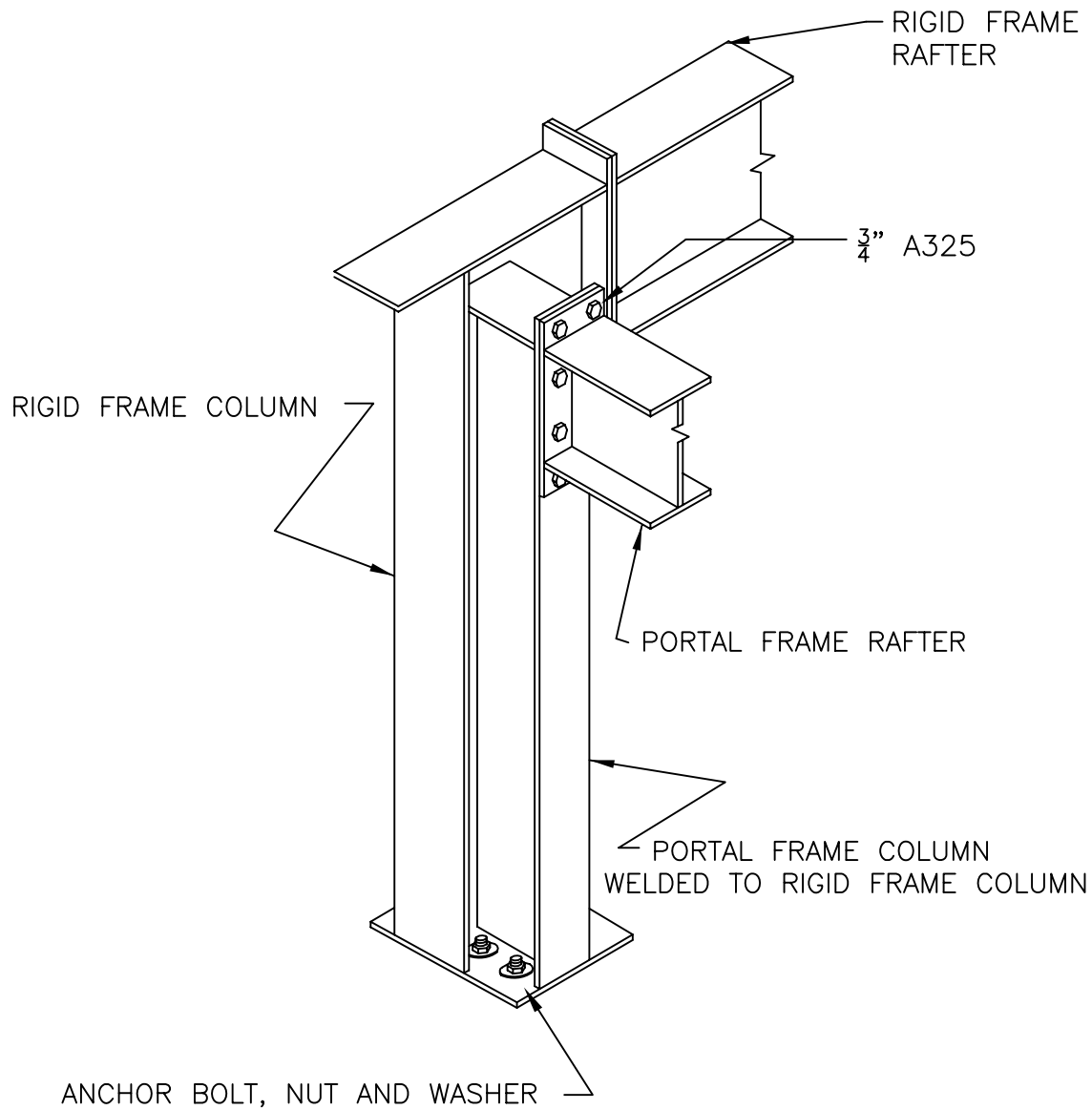
SHT. NO. PFO4016	
DATE APR. 03	REV. 00



NOTE: FRAME SHAPES MAY VARY.  
SEE FRAMING PLAN FOR PORTAL FRAME LOCATIONS

PRIMARY FRAME DETAIL  
PORTAL FRAME WELDED TO COLUMN

SHT. NO. PFO4017	
DATE FEB. 03	REV. 00

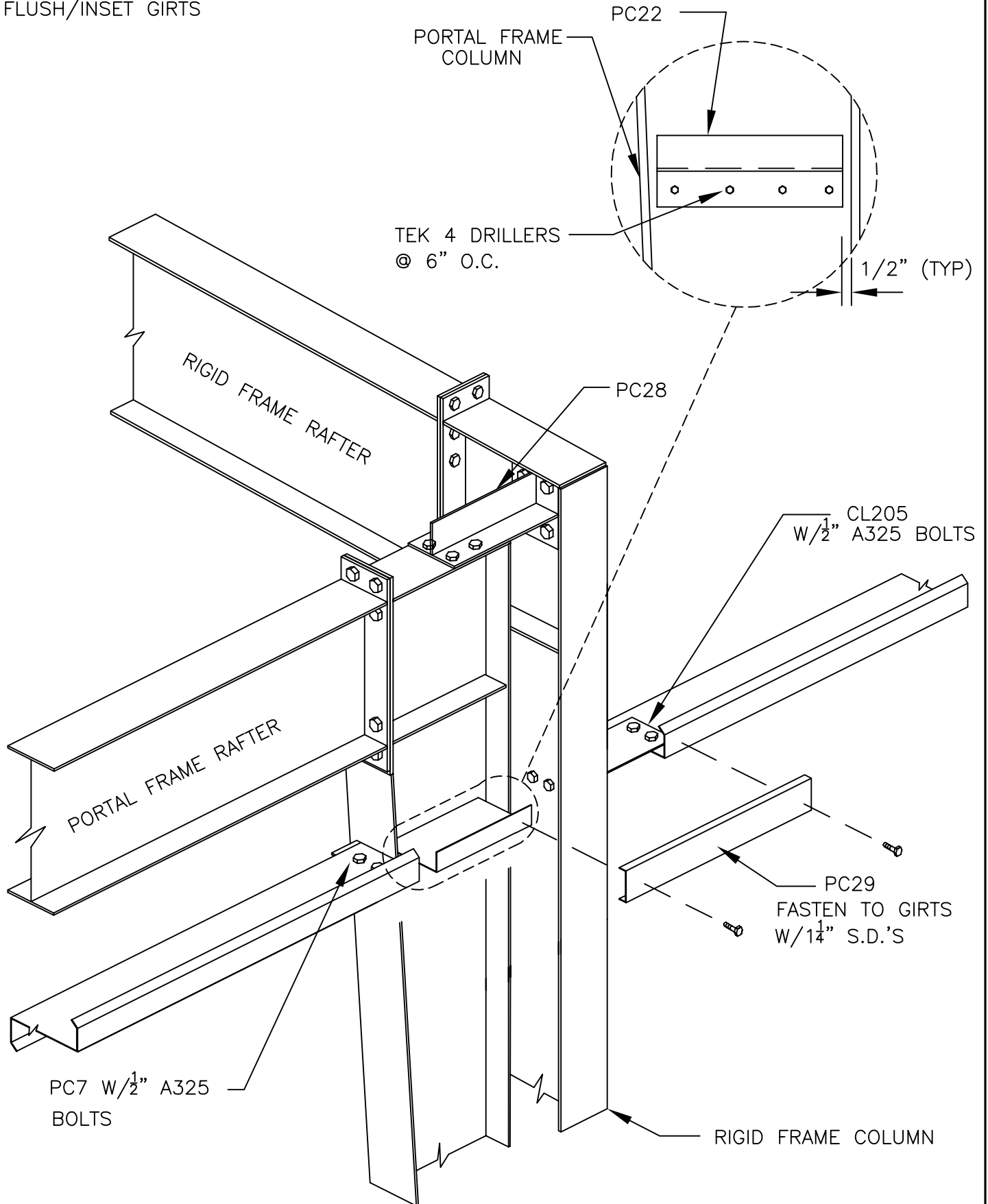


NOTE: FRAME SHAPES MAY VARY.  
SEE FRAMING PLAN FOR PORTAL FRAME LOCATIONS

PRIMARY FRAME DETAIL  
PORTAL FRAME WITH CLIP

SHT. NO. PFO4018	
DATE APR. 03	REV. 00

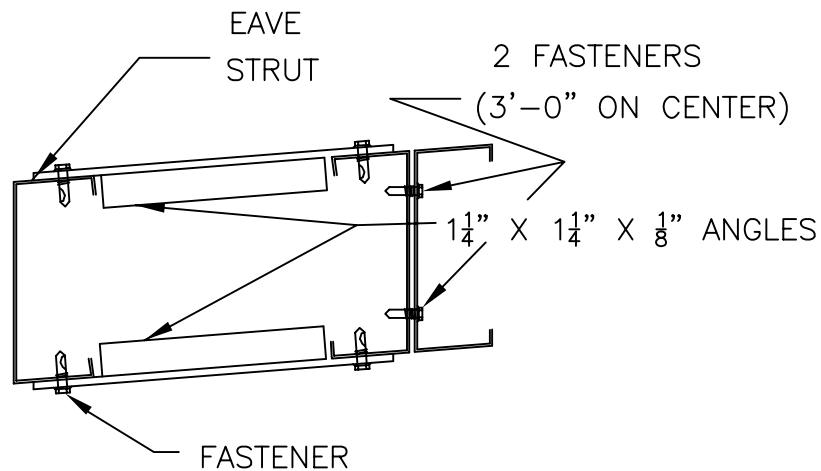
FLUSH/INSET GIRTS



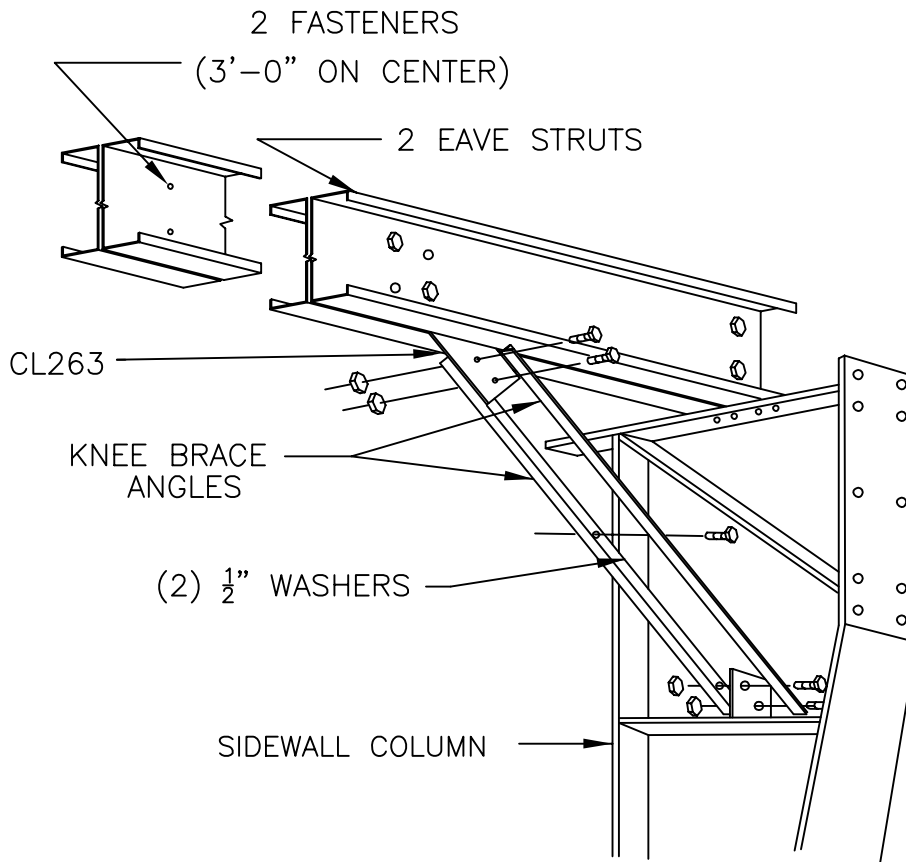
NOTE: FRAME SHAPES MAY VARY.  
SEE FRAMING PLAN FOR PORTAL FRAME LOCATIONS

PRIMARY FRAME DETAIL  
KNEE BRACING DETAIL

SHT. NO. PF04019	
DATE FEB. 03	REV. 00



DIAPHRAM BRACE AT MID BAY

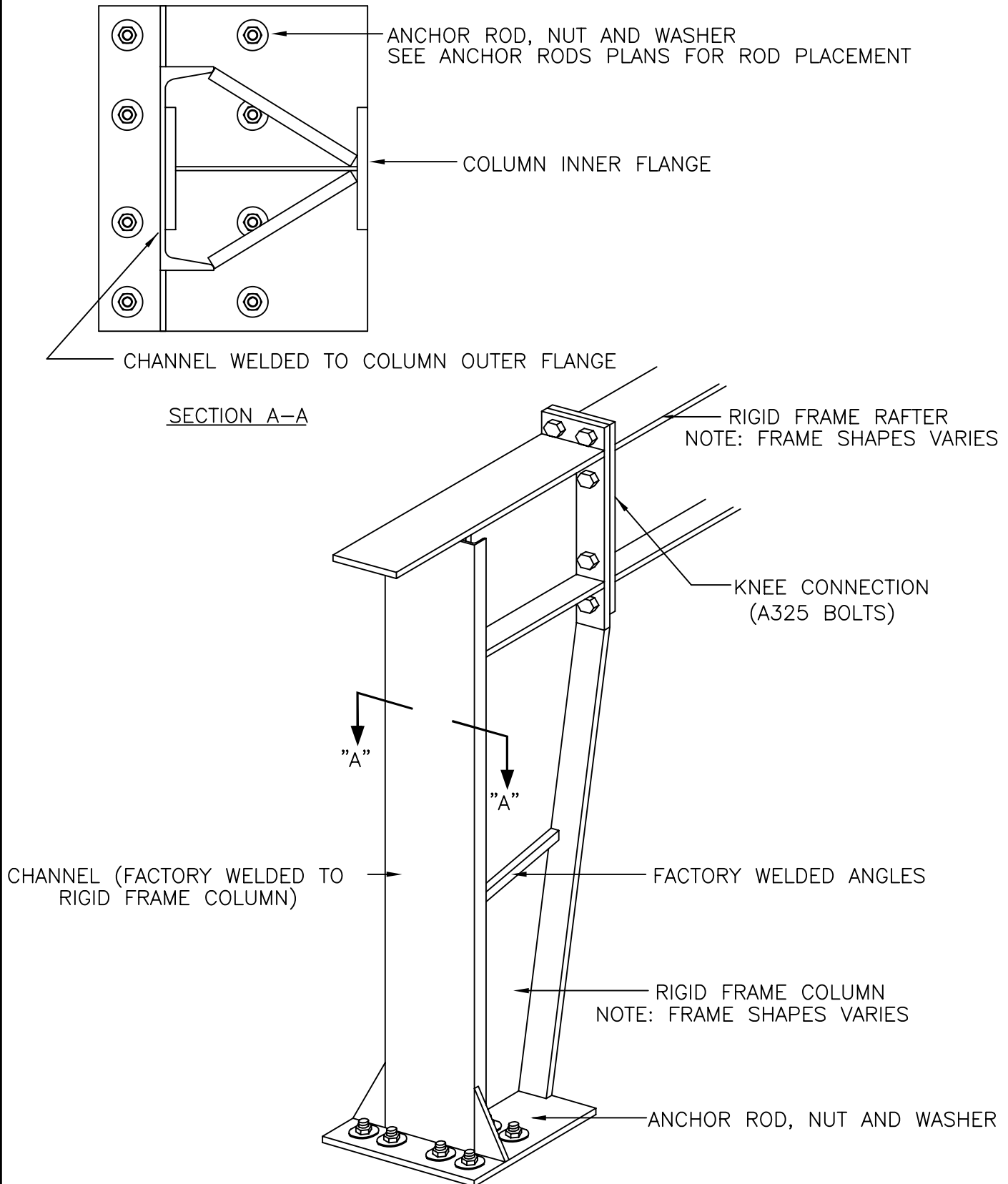


NOTE:

1. ALL BOLTS SHOWN ARE 1/2" HIGH STRENGTH. (A235)
2. KNEE BRACE LOCATIONS ARE PER ERECTION PLANS
3. ROOF SHEETS MUST BE ATTACHED TO THE UPHILL EAVE STRUT WITH SCREWS, ON RIBBED ROOFS OR CLIPS, ON STANDING SEAM ROOFS.

PRIMARY FRAME DETAIL  
BY-PASS - CANTILEVER WIND COLUMN

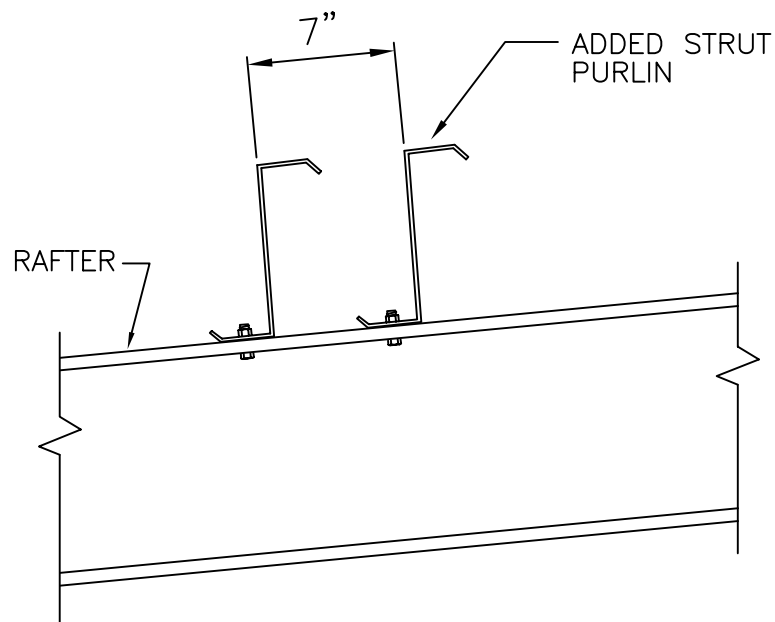
SHT. NO. PFO4020	
DATE APR. 03	REV. 00



NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.

PRIMARY FRAME DETAIL  
DOUBLE STRUT PURLIN

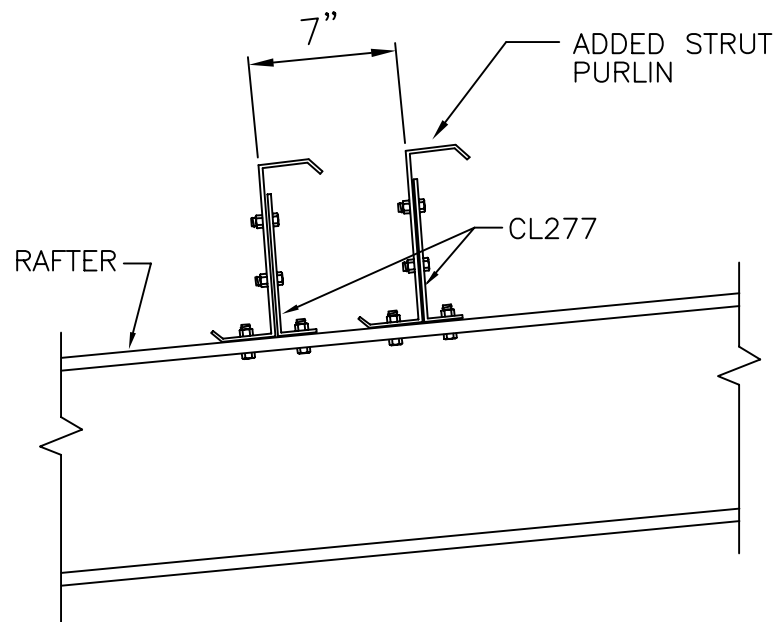
SHT. NO. PF04021	
DATE Dec. 09	REV. 00



NOTES: ROOF SHEETS MUST BE ATTACHED TO THE ADDED STRUT PURLINS  
WITH SCREWS, ON RIBBED ROOFS OR CLIPS, ON STANDING SEAM ROOFS.  
SEE ROOF PLAN FOR THE BAYS WITH ADDED STRUT PURLINS.

PRIMARY FRAME DETAIL  
DOUBLE STRUT PURLIN WITH CLIPS

SHT. NO. PF04023	
DATE Dec. 09	REV. 01

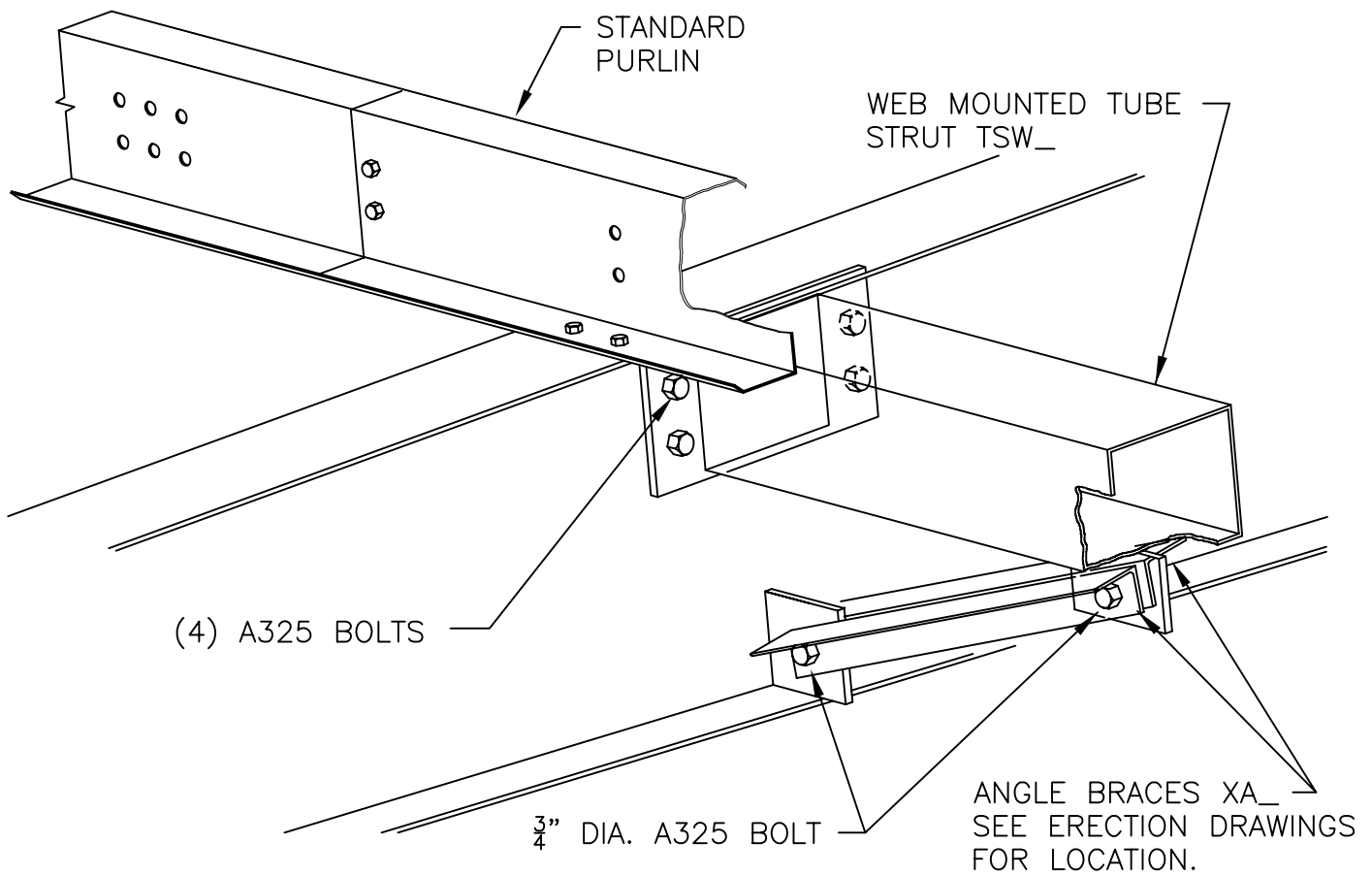


NOTES: ROOF SHEETS MUST BE ATTACHED TO THE ADDED STRUT PURLINS  
WITH SCREWS, ON RIBBED ROOFS OR CLIPS, ON STANDING SEAM ROOFS.  
SEE ROOF PLAN FOR THE BAYS WITH ADDED STRUT PURLINS  
AND THE USE OF THE CL277 CLIPS.



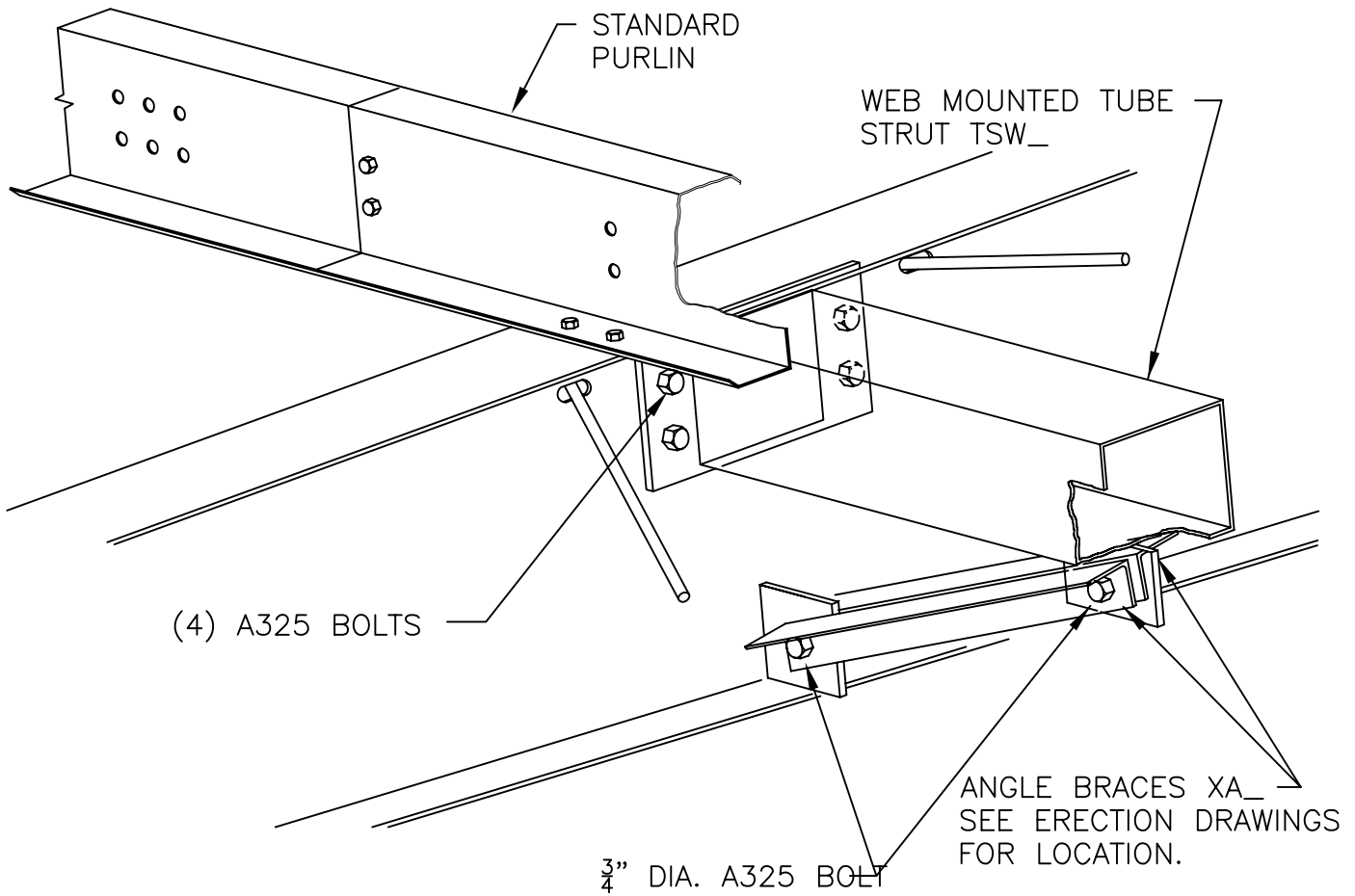
(NOT USED AS STRUT)  
TUBE STRUT WITH ANGLE BRACES

SHT. NO. PFO4030	
DATE OCT. 04	REV. 00



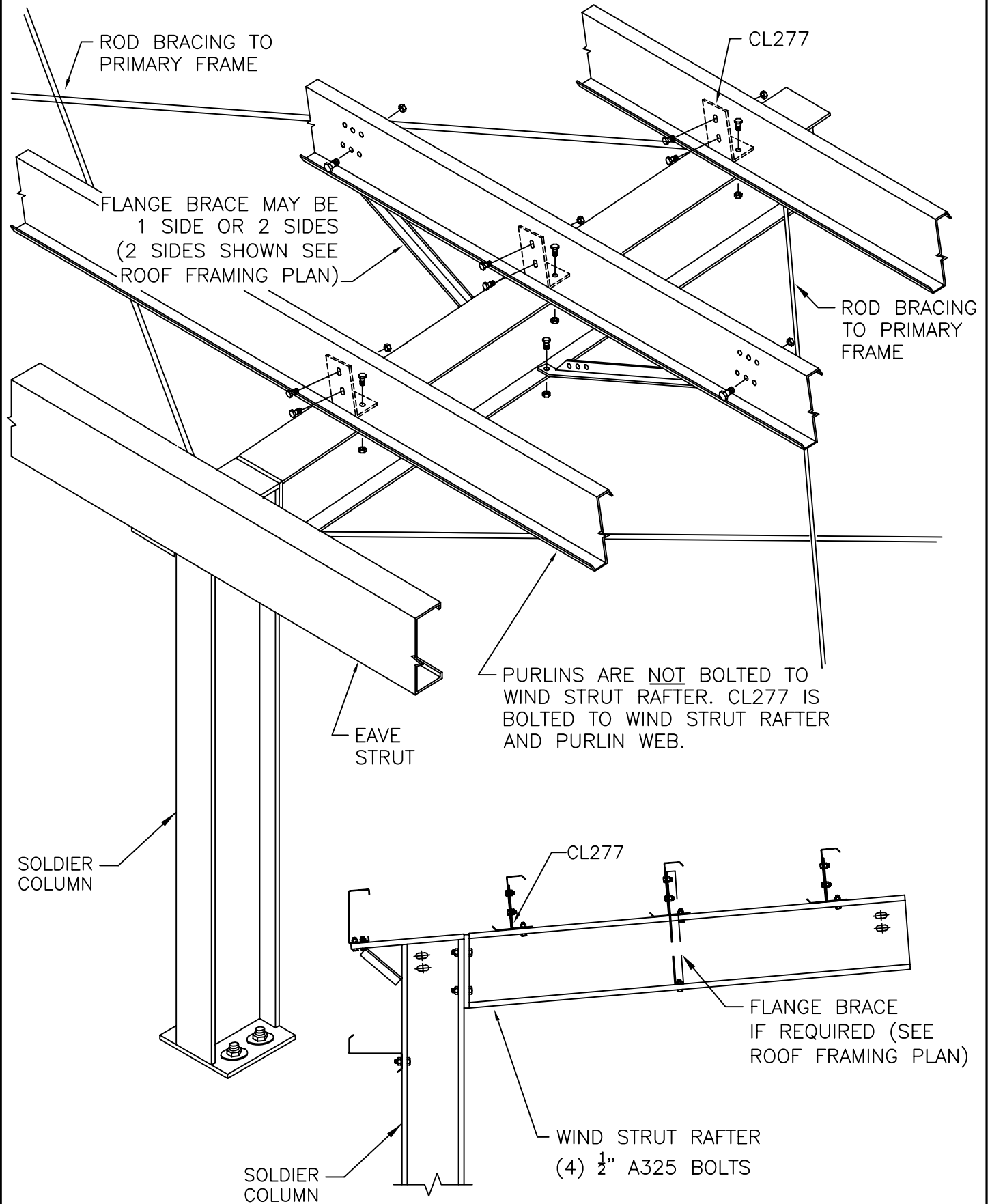
(USED AS A STRUT)  
TUBE STRUT WITH ANGLE BRACES

SHT. NO.	
PF04031	
DATE	REV.
OCT. 04	00



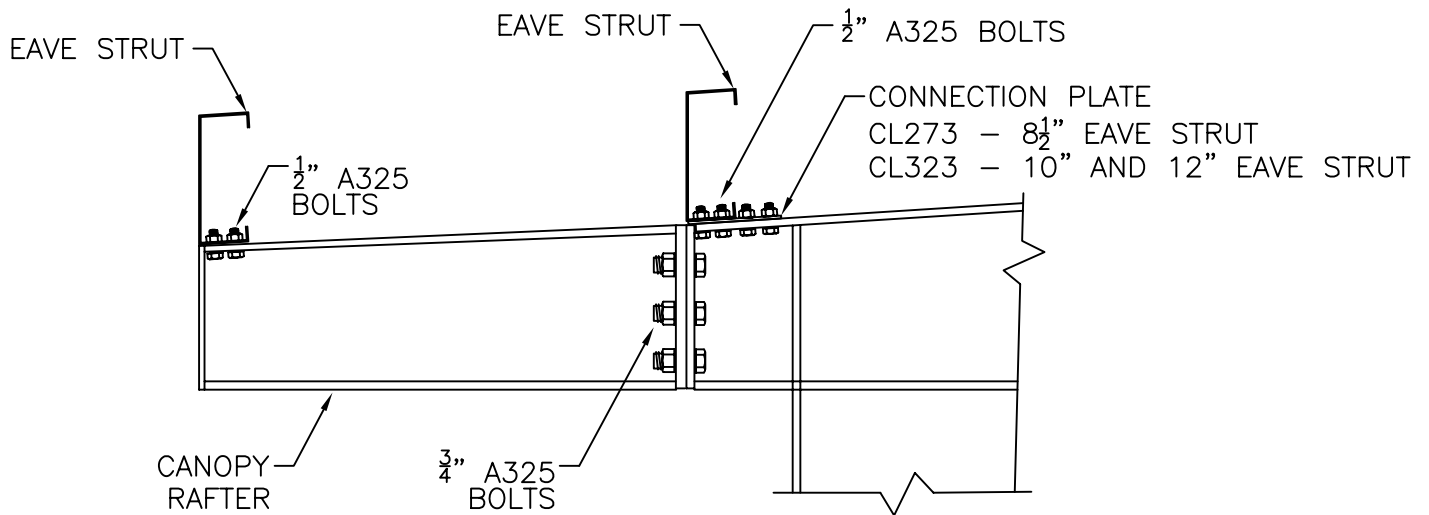
# WIND STRUT RAFTER

SHT. NO. PFO4040	
DATE MAR. 06	REV. 00

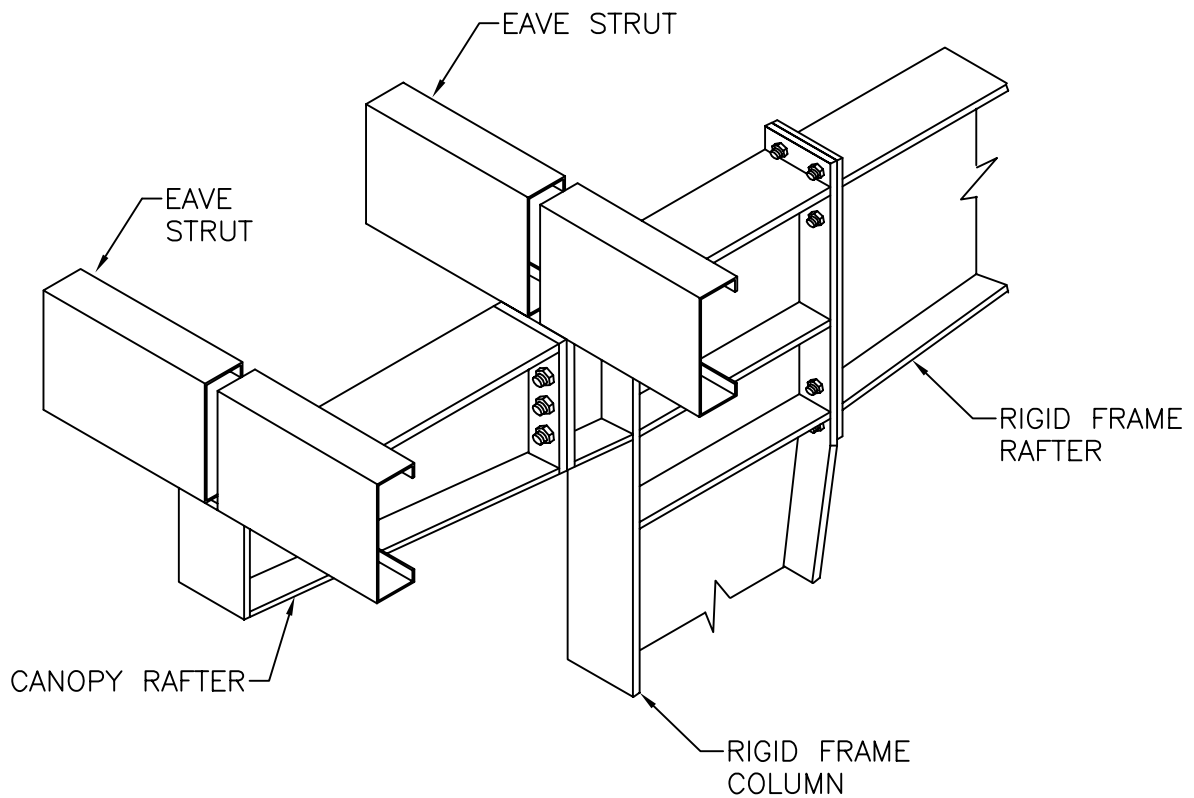


PRIMARY FRAME DETAIL  
EAVELINE CANOPY - BY-PASS

SHT. NO. PF05001	
DATE Feb. 10	REV. 01



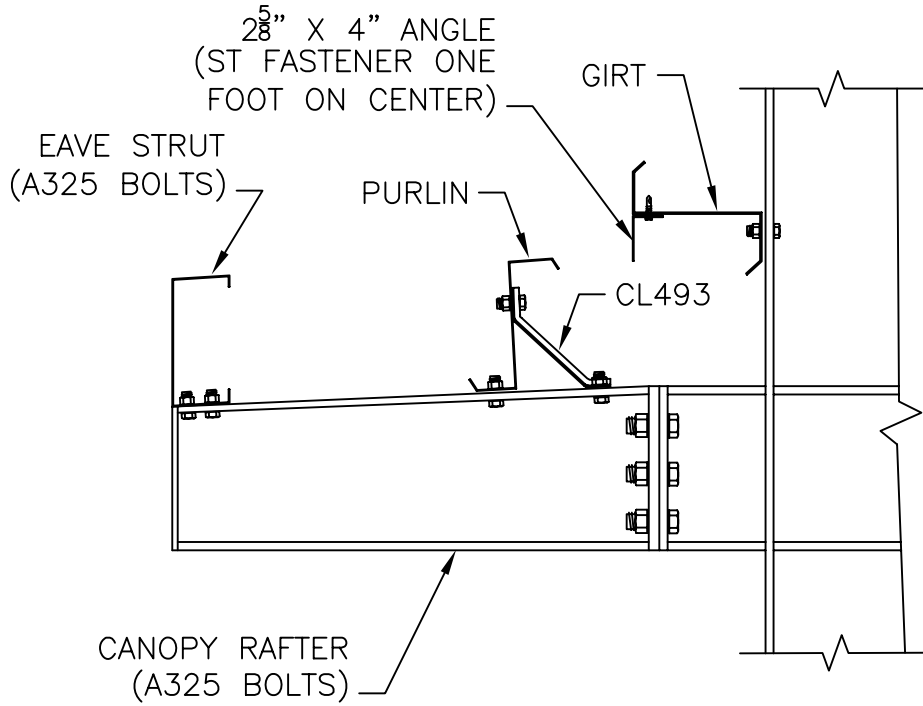
DETAIL AT WALL LINE



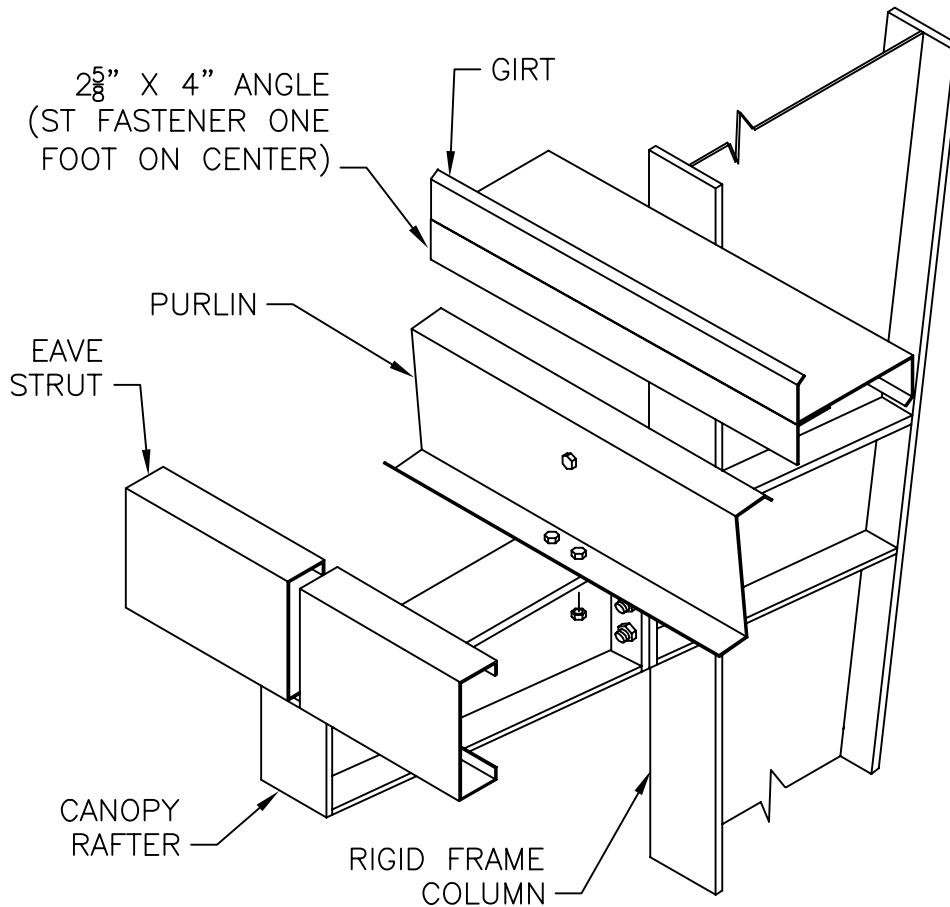
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE SIDEWALL ELEVATIONS FOR EAVE STRUTS MARKS.

PRIMARY FRAME DETAIL  
BELOW EAVE CANOPY - BY-PASS

SHT. NO. PF05002	
DATE Dec. 09	REV. 01



DETAIL AT WALL LINE

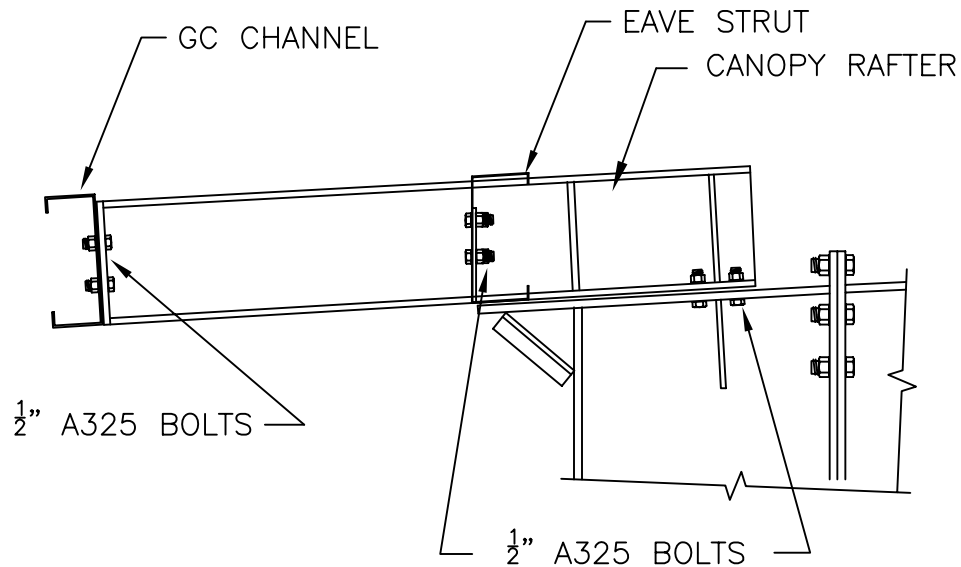


NOTES: FRAME SHAPES VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

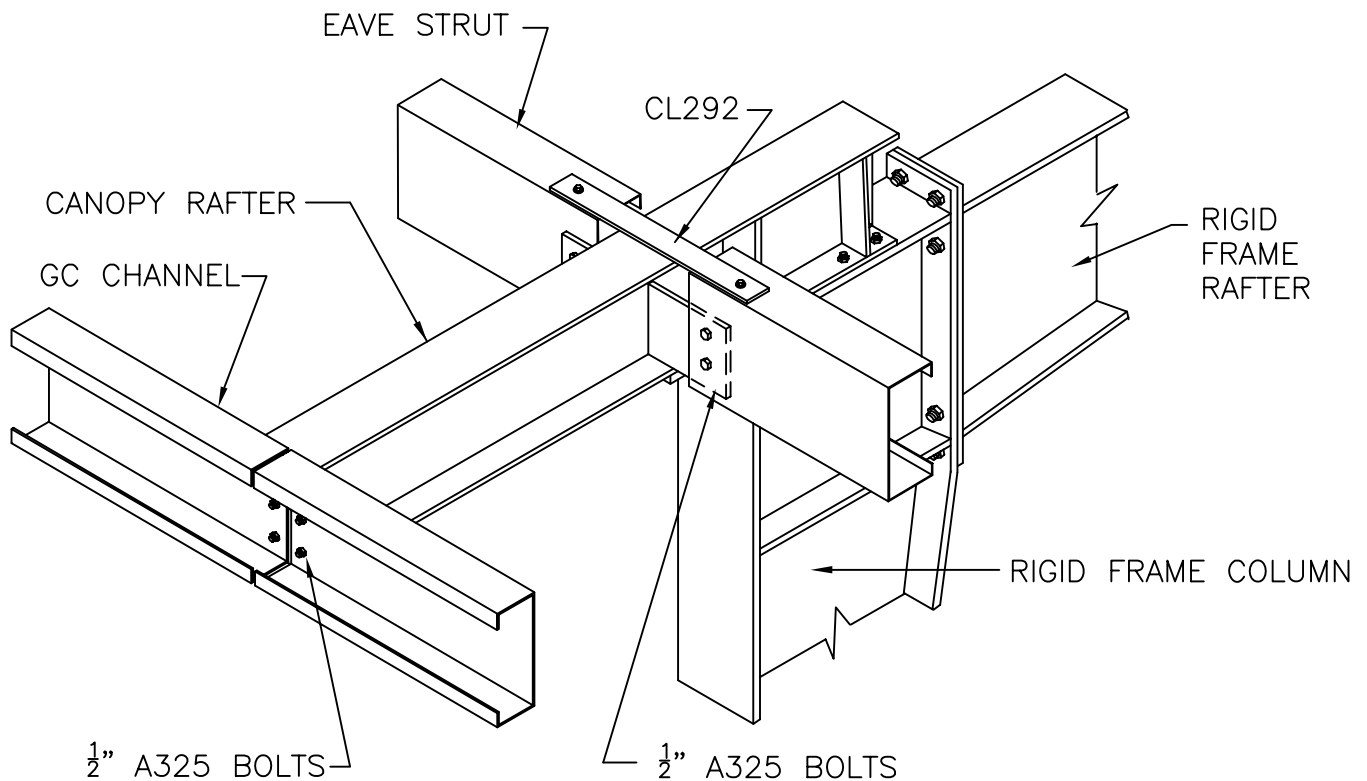
PRIMARY FRAME DETAIL  
FLUSH EAVELINE CANOPY - BY-PASS

SHT. NO. PF05003  
DATE FEB. 03 REV. 00

COLUMN DEPTH IS GREATER THAN OR EQUAL TO 1'-3"



DETAIL AT WALL LINE

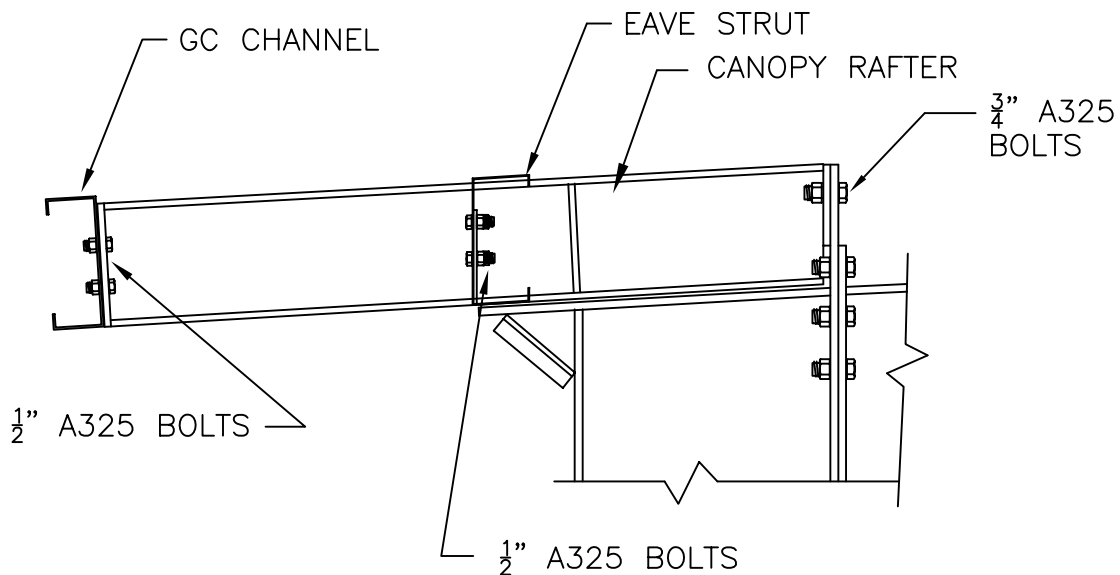


NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

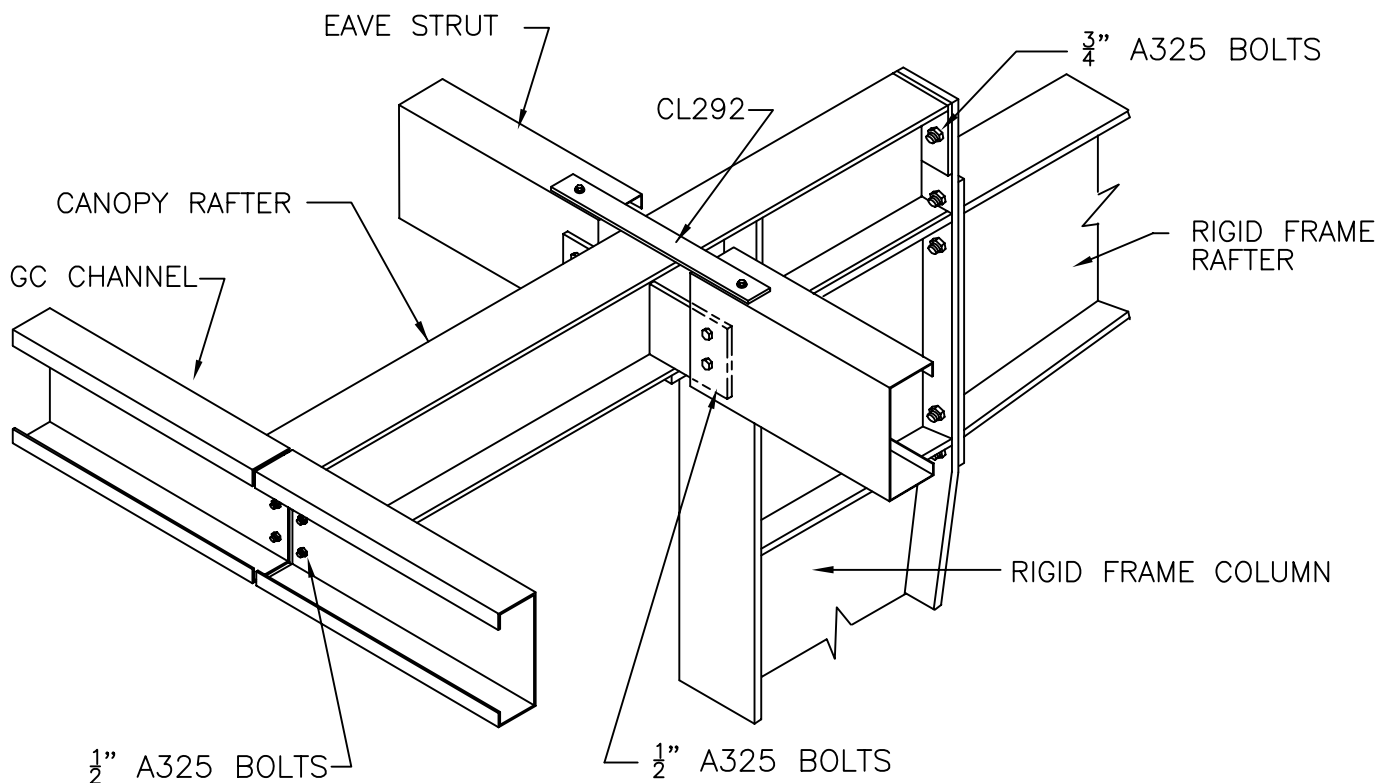
PRIMARY FRAME DETAIL  
FLUSH EAVELINE CANOPY - BY-PASS

SHT. NO. PF05004	
DATE JUL. 03	REV. 00

COLUMN DEPTH IS LESS THAN 1'-3"



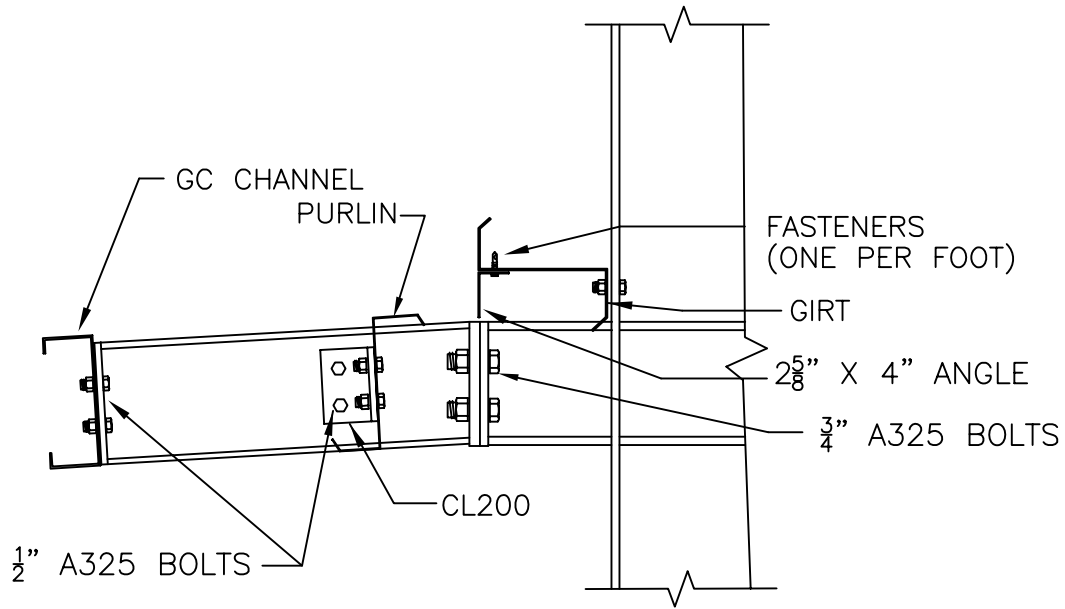
DETAIL AT WALL LINE



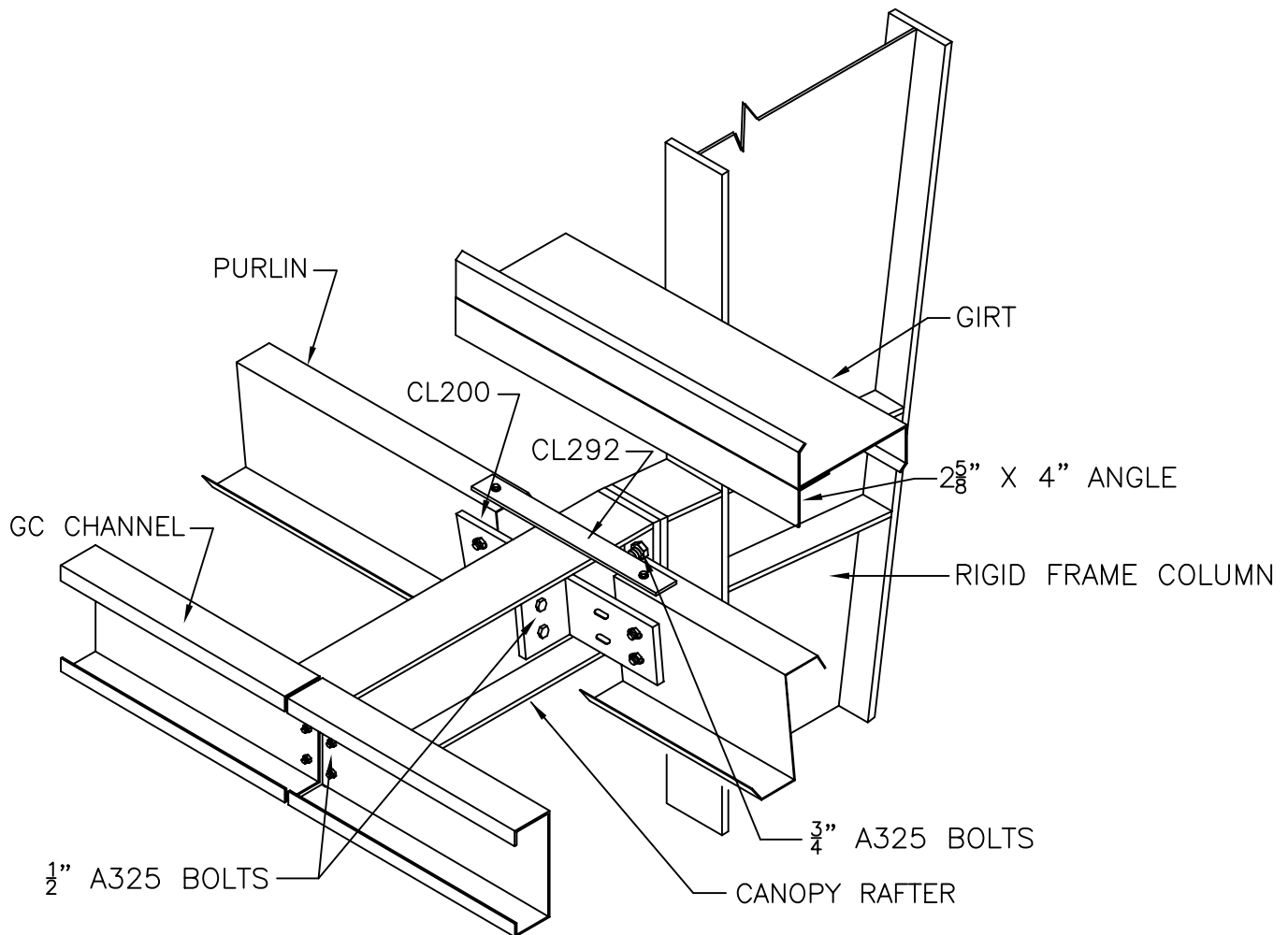
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
BELOW EAVE CANOPY - BY-PASS

SHT. NO. PF05005	
DATE FEB. 03	REV. 00



DETAIL AT WALL LINE



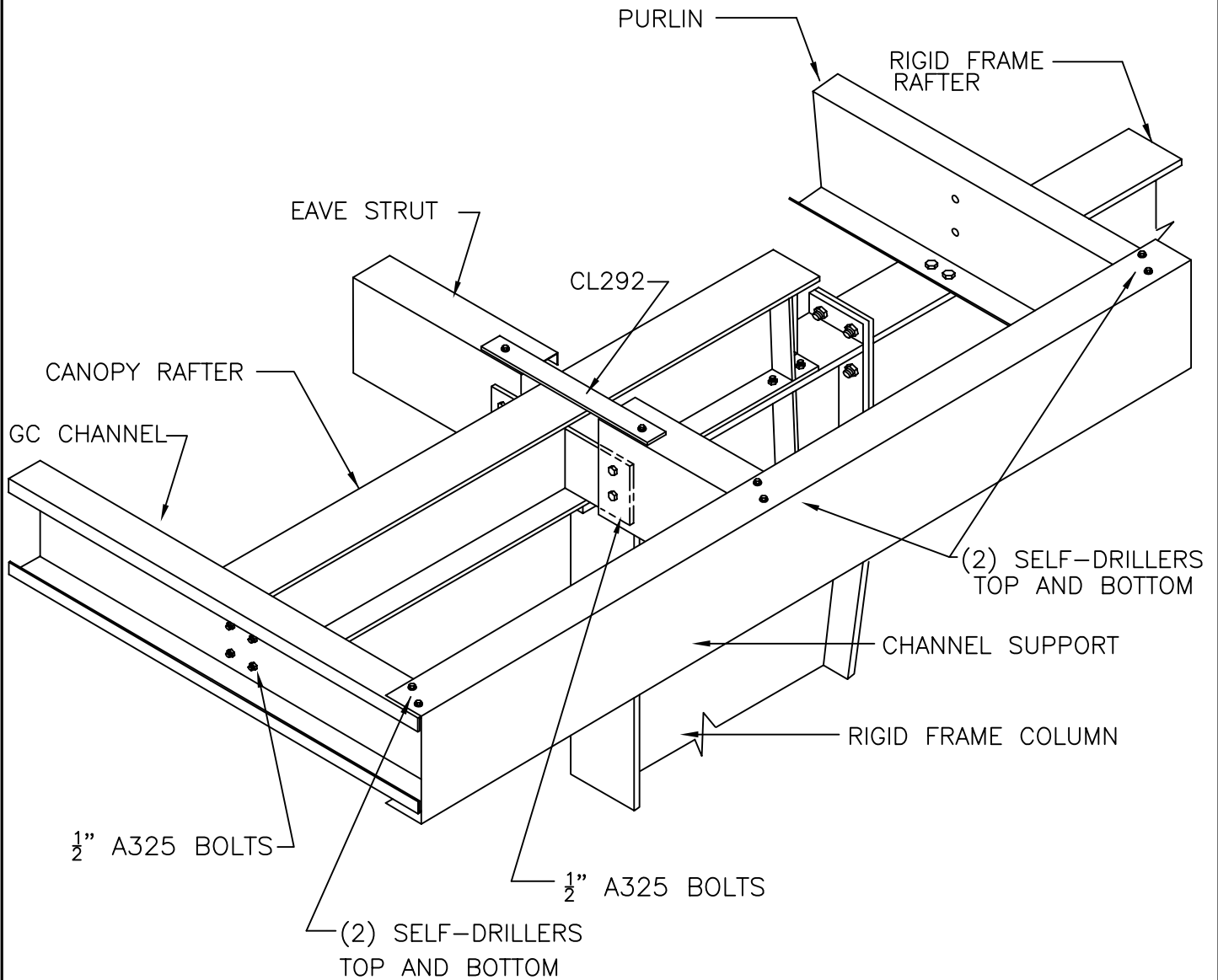
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.



PRIMARY FRAME DETAIL  
FLUSH CANOPY @ ENDFRAME - BY-PASS

SHT. NO. PF05006	
DATE FEB. 03	REV. 00

COLUMN DEPTH IS GREATER THAN OR EQUAL TO 1'-3"  
RIGID ENDFRAME

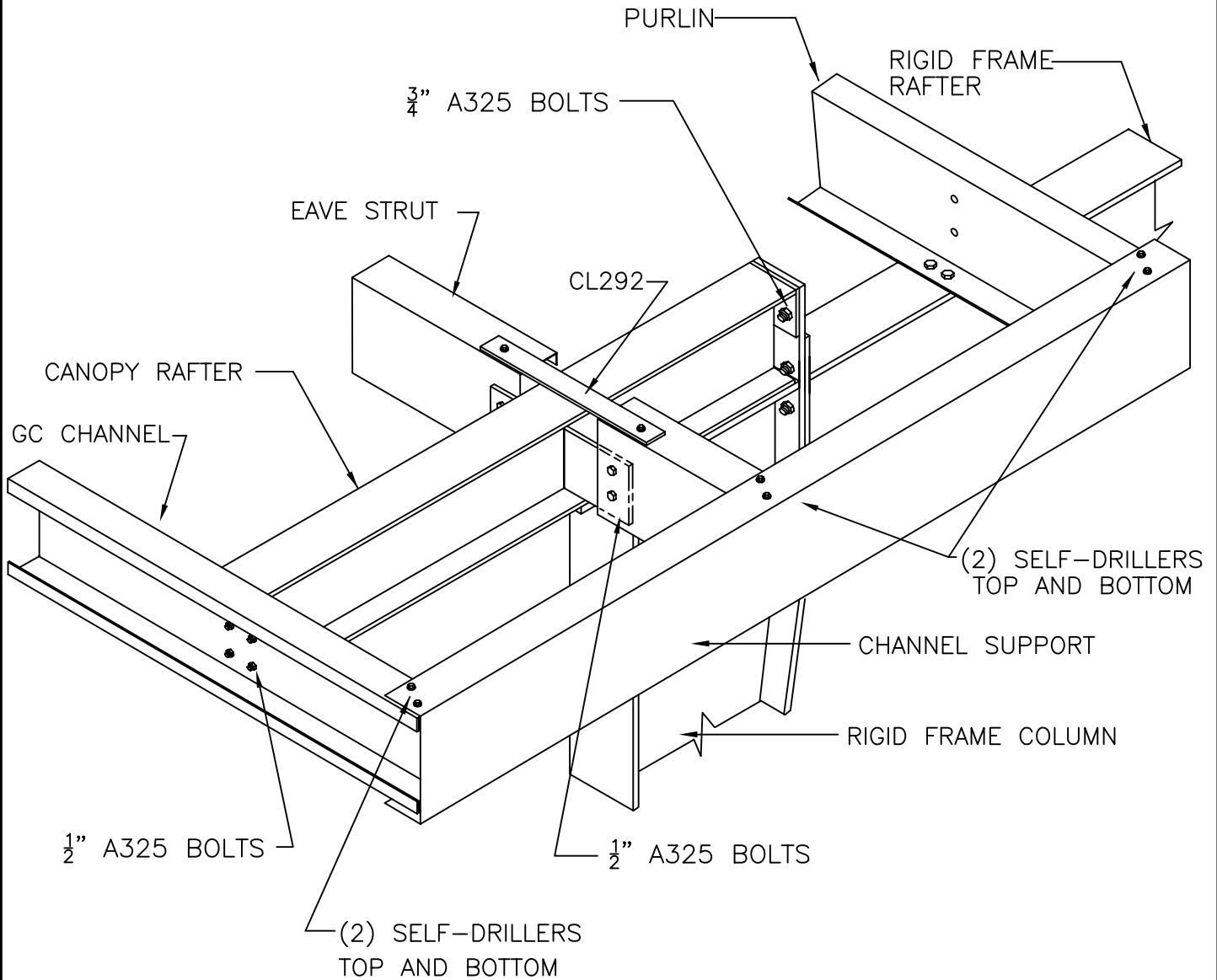


NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
FLUSH CANOPY @ ENDFRAME - BY-PASS

SHT. NO. PF05007	
DATE FEB. 03	REV. 00

COLUMN DEPTH IS LESS THAN 1'-3"  
RIGID ENDFRAME

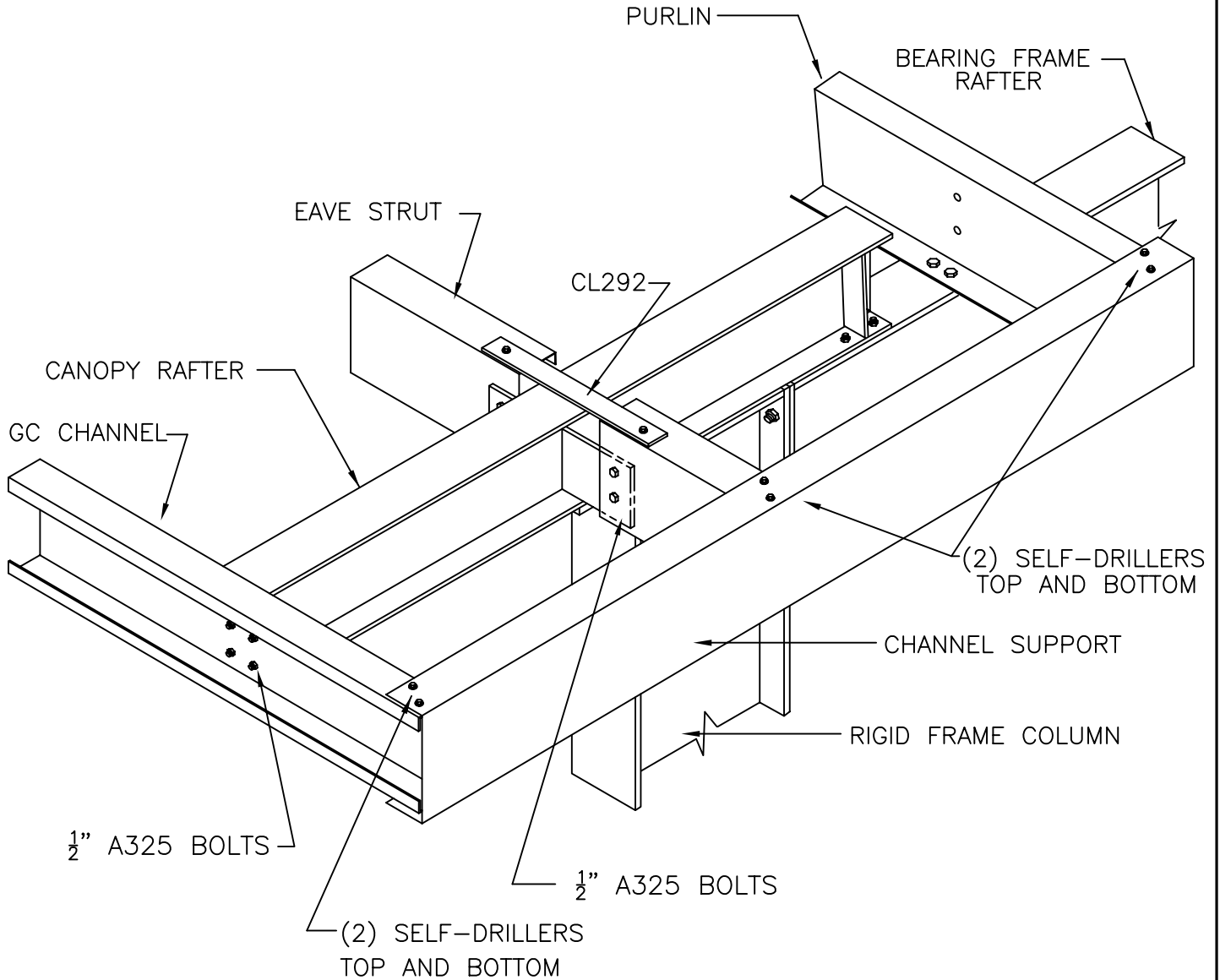


NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
FLUSH CANOPY @ ENDFRAME- BY-PASS

SHT. NO. PF05008	
DATE FEB. 03	REV. 00

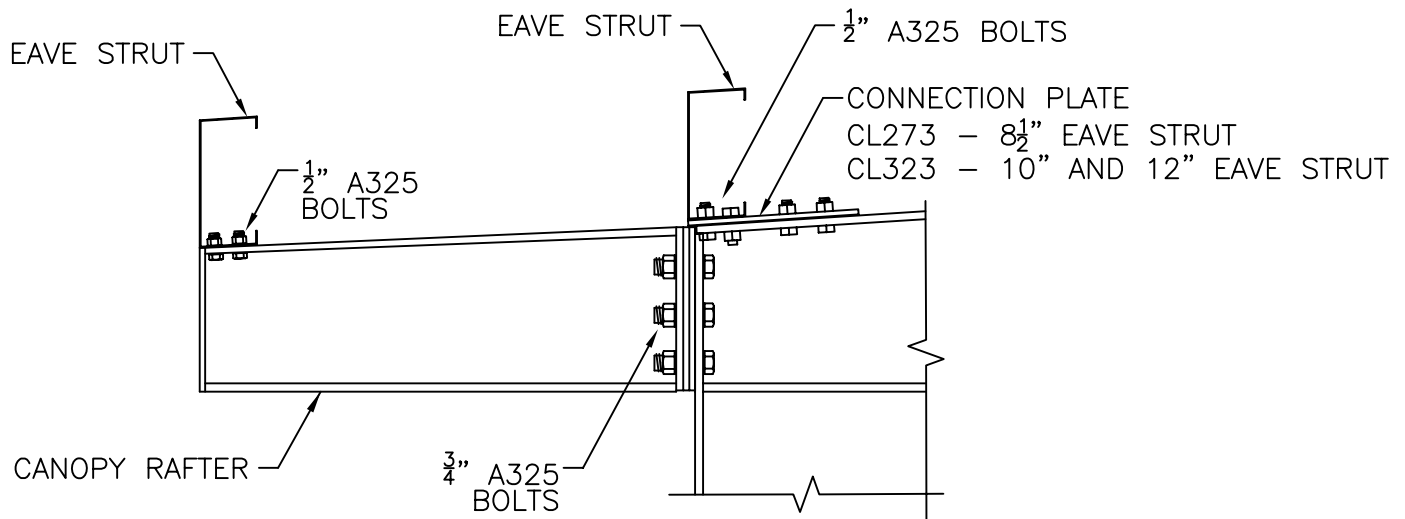
BEARING ENDFRAME



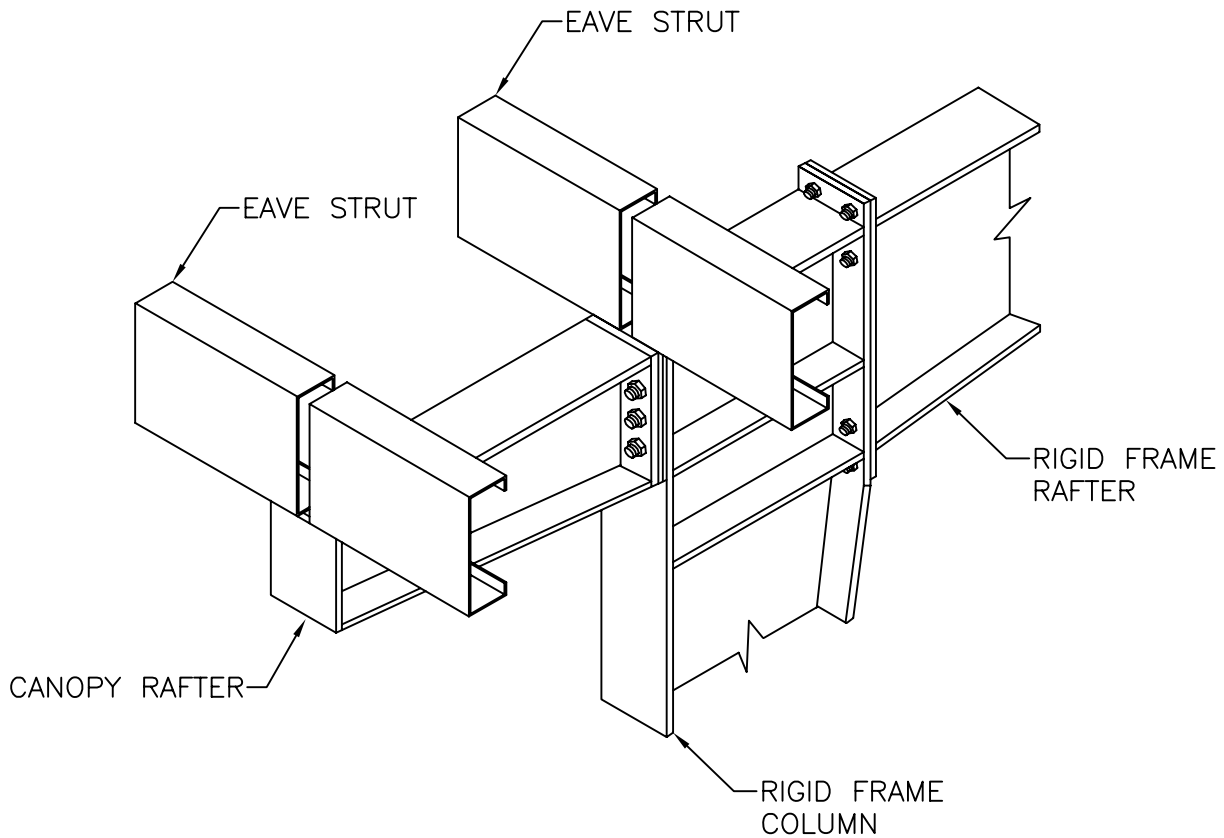
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
EAVELINE CANOPY – INSET/FLUSH

SHT. NO. PF05009	
DATE Feb. 10	REV. 01



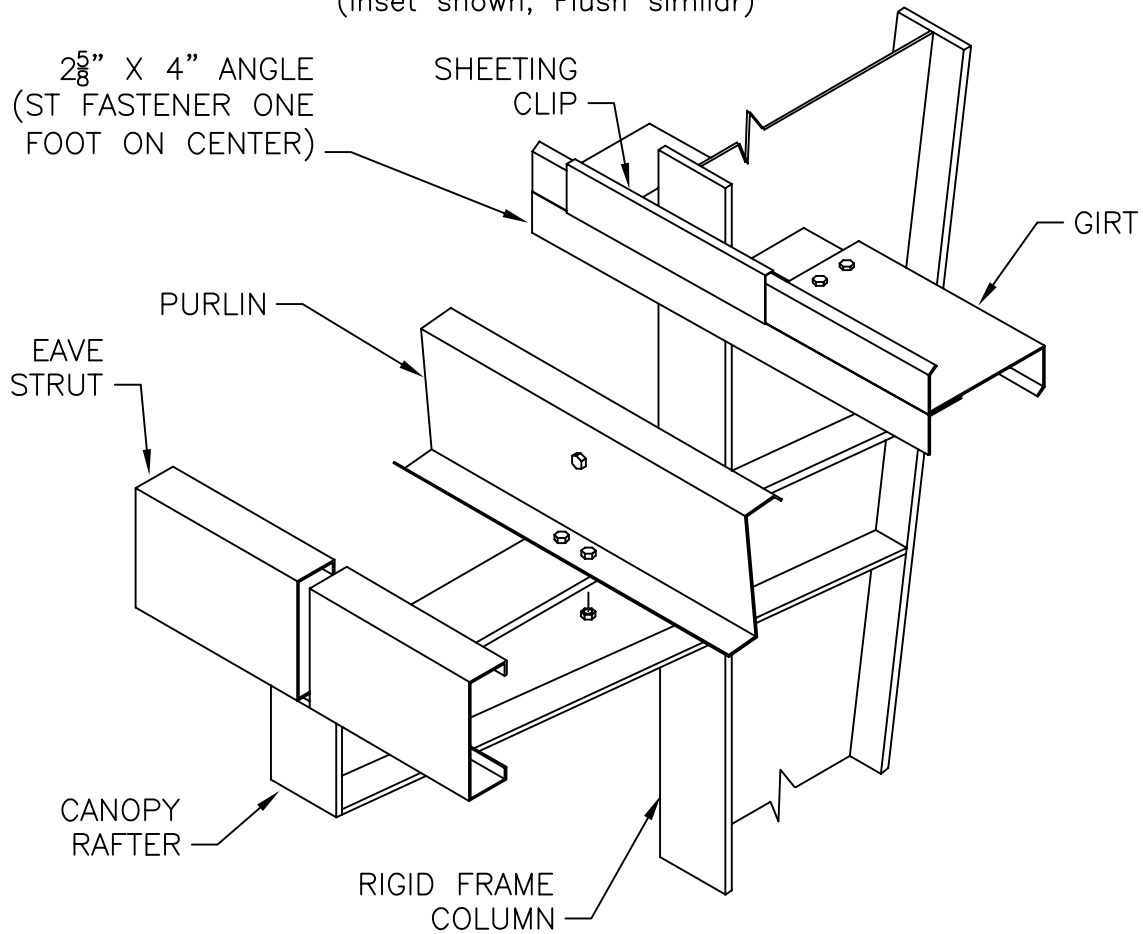
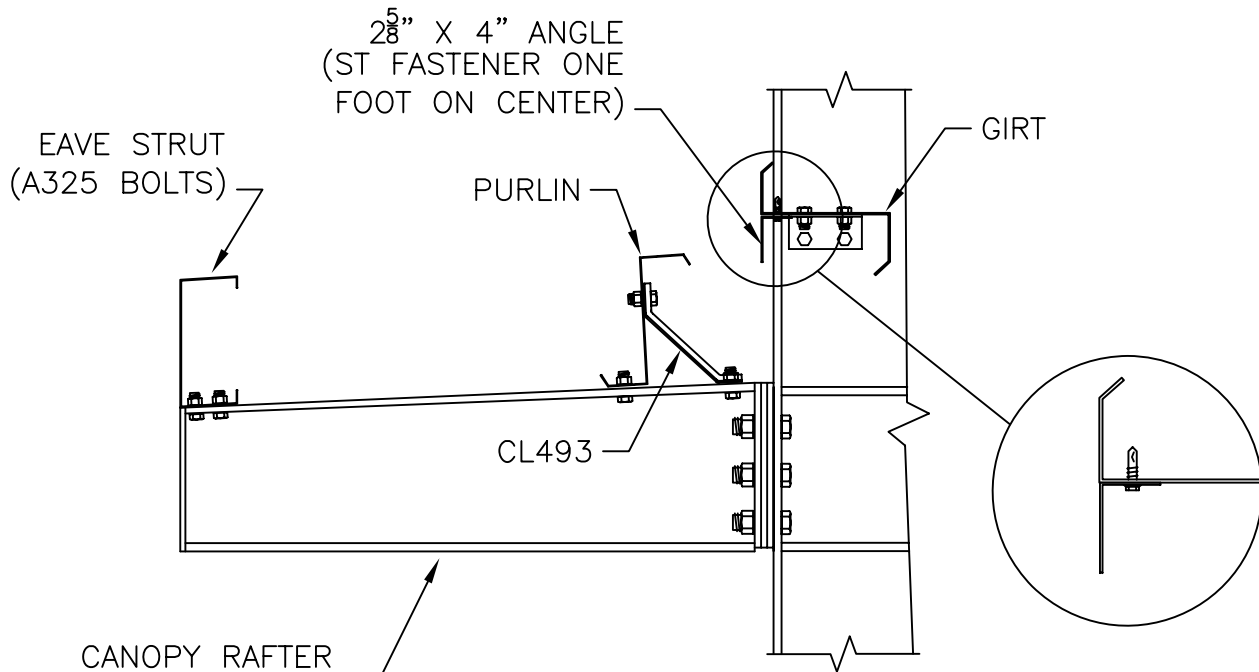
DETAIL AT WALL LINE



NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE SIDEWALL ELEVATIONS FOR EAVE STRUTS MARKS.

PRIMARY FRAME DETAIL  
BELOW EAVE CANOPY – INSET/FLUSH

SHT. NO. PF05010	
DATE Dec. 09	REV. 01

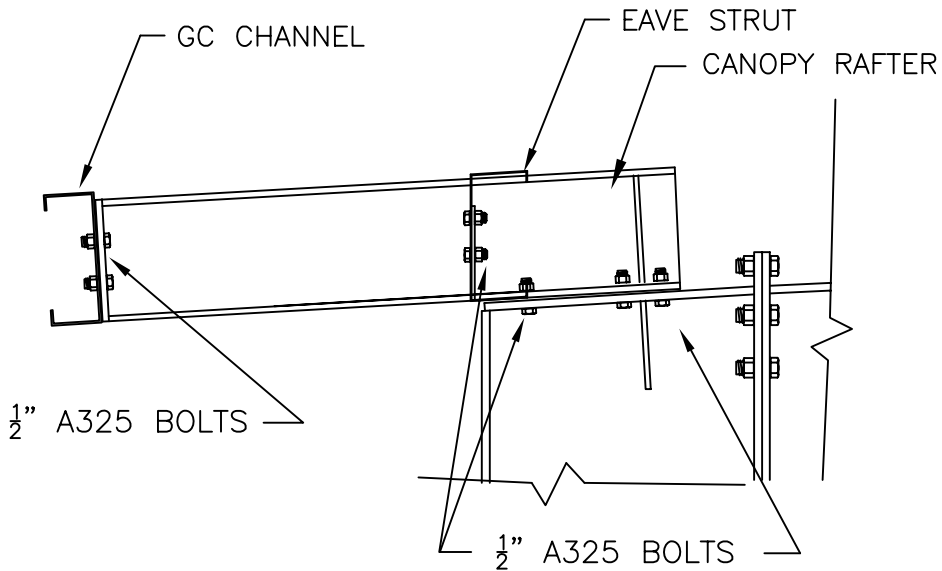


NOTES: FRAME SHAPES VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

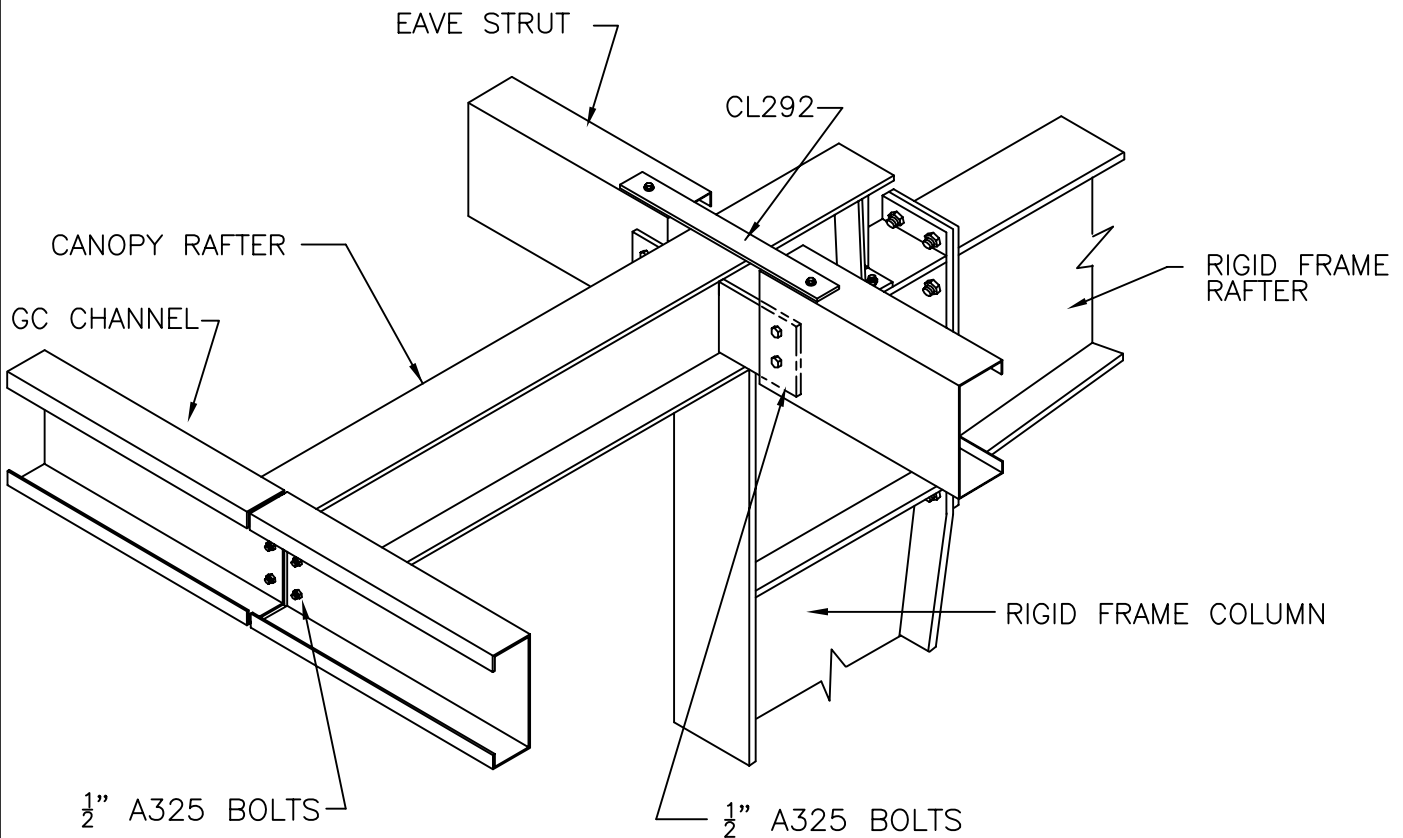
PRIMARY FRAME DETAIL  
FLUSH EAVELINE CANOPY - INSET/FLUSH

SHT. NO. PF05011  
DATE FEB. 03 REV. 00

COLUMN DEPTH IS GREATER THAN OR EQUAL TO 1'-3"



DETAIL AT WALL LINE

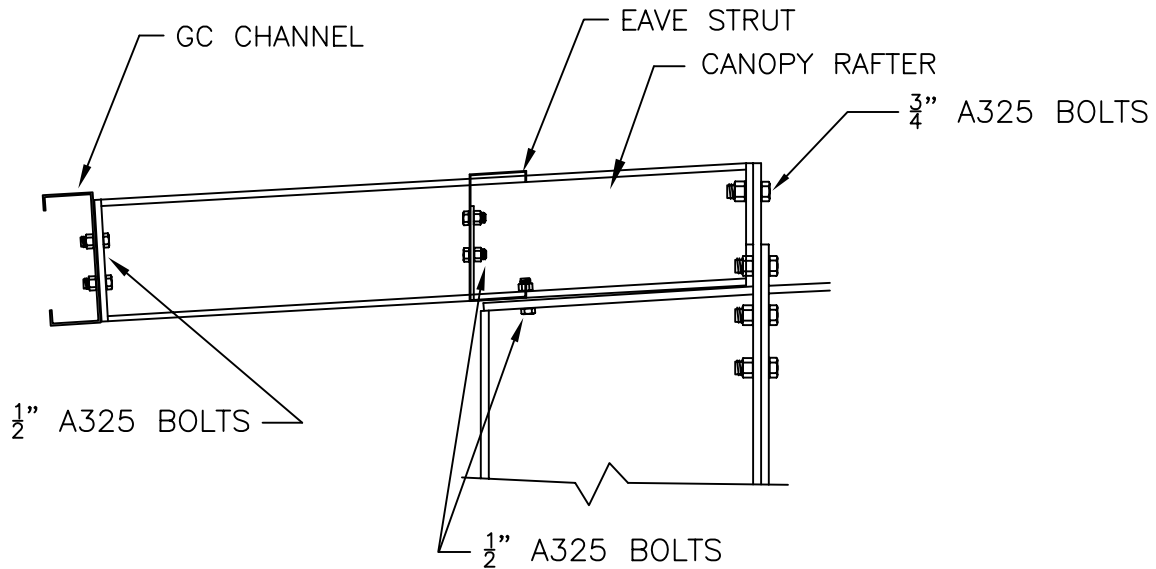


NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

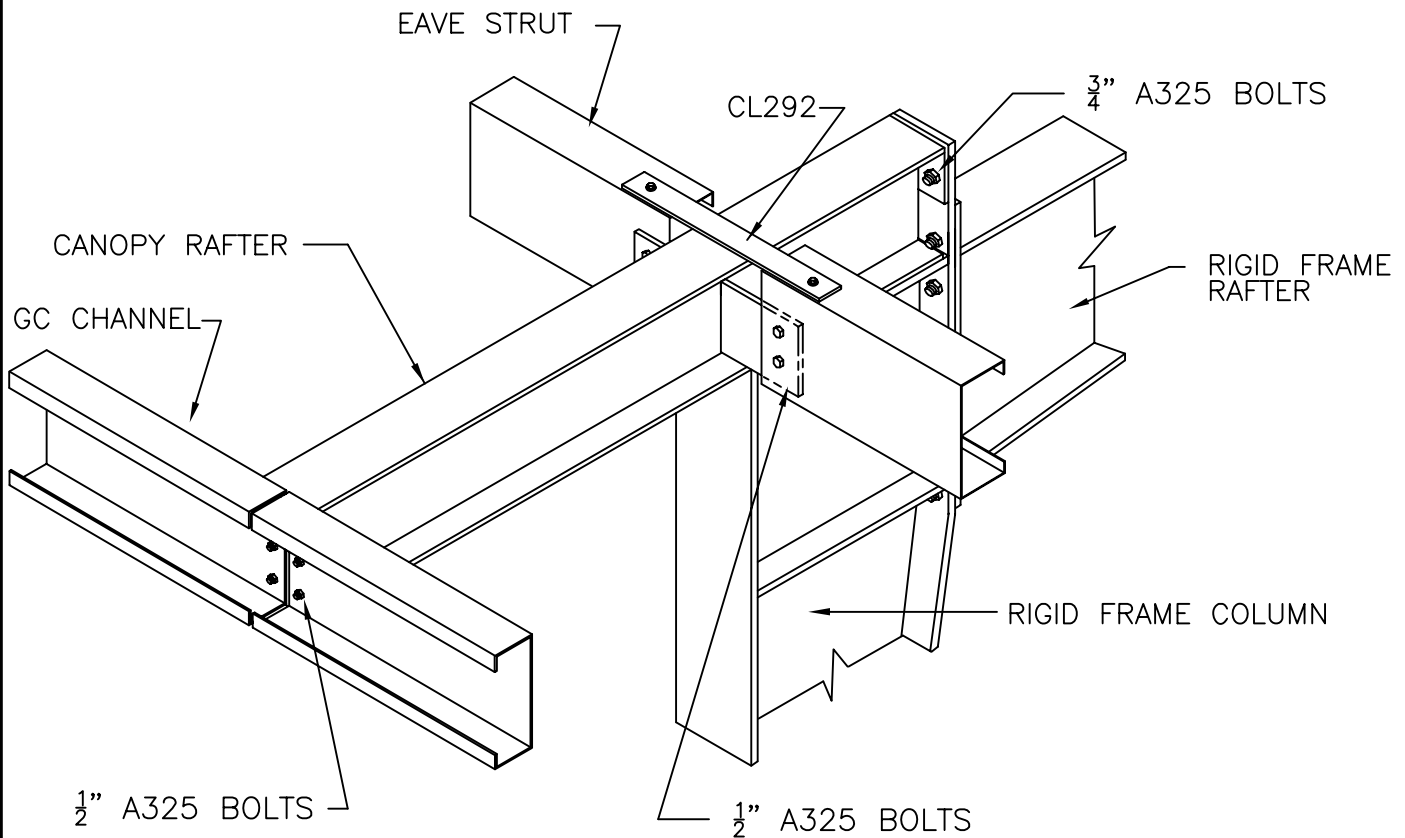
PRIMARY FRAME DETAIL  
FLUSH EAVELINE CANOPY — INSET/FLUSH

SHT. NO. PF05012  
DATE FEB. 03 REV. 00

COLUMN DEPTH IS LESS THAN 1'-3"



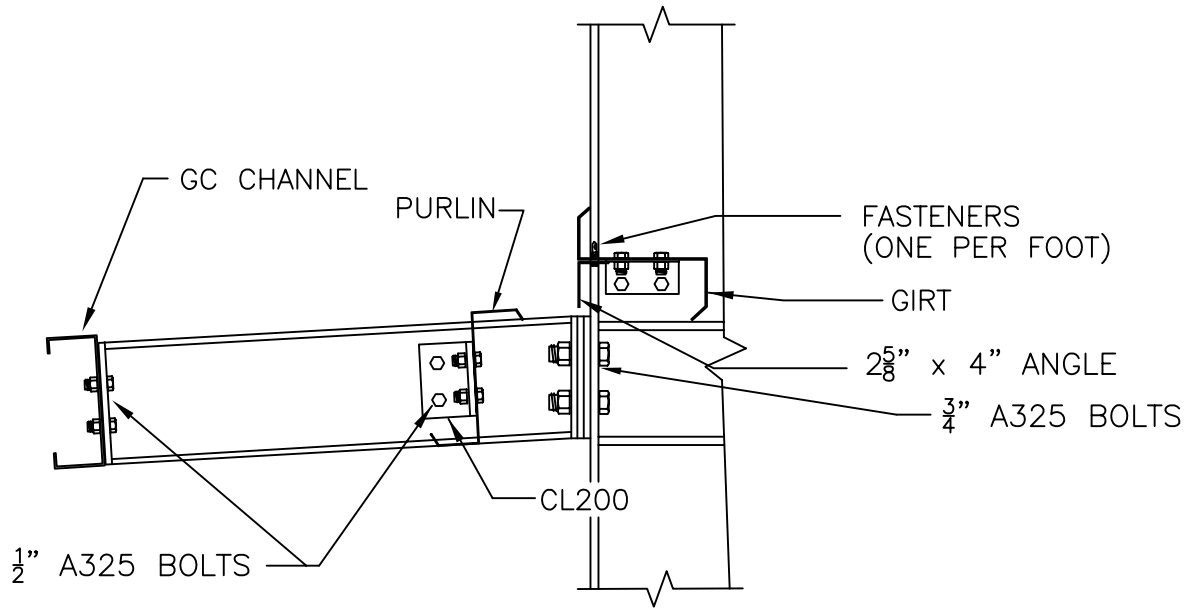
DETAIL AT WALL LINE



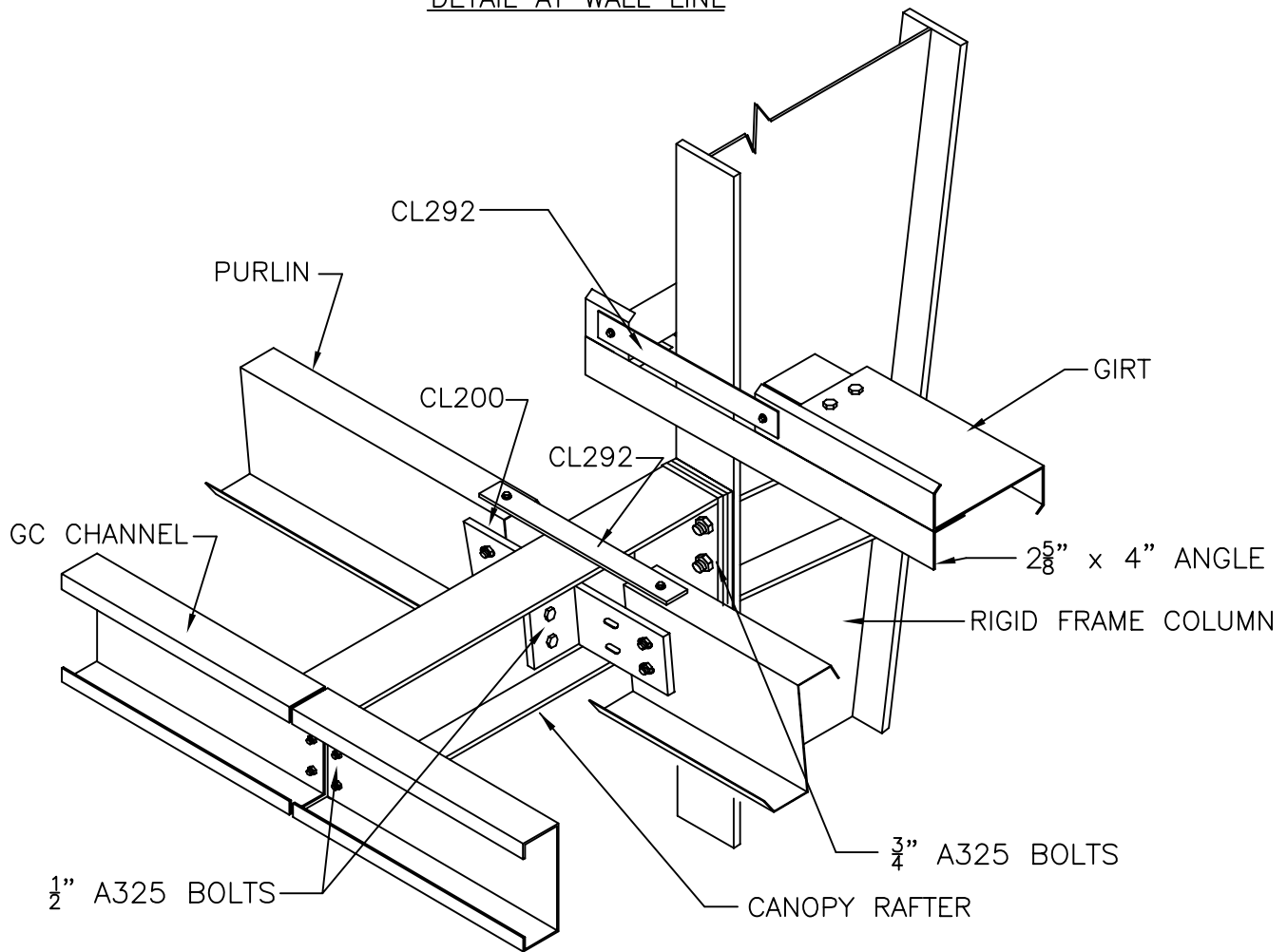
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
BELOW EAVE CANOPY – INSET/FLUSH

SHT. NO. PF05013	
DATE FEB. 03	REV. 00



DETAIL AT WALL LINE



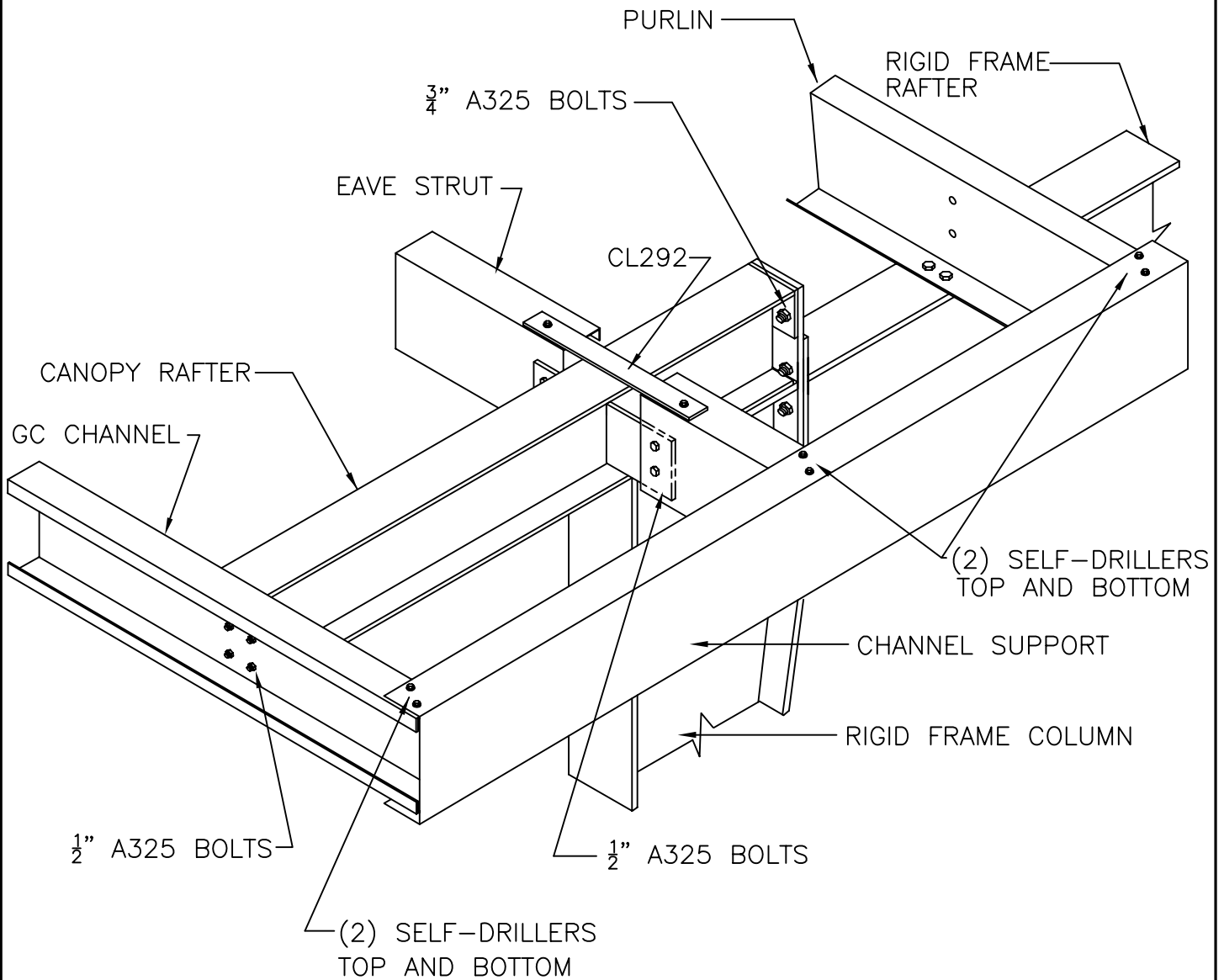
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.



PRIMARY FRAME DETAIL  
FLUSH CANOPY @ ENDFRAME-INSET/FLUSH

SHT. NO. PF05014	
DATE FEB. 03	REV. 00

COLUMN DEPTH IS LESS THAN 1'-3"  
RIGID ENDFRAME

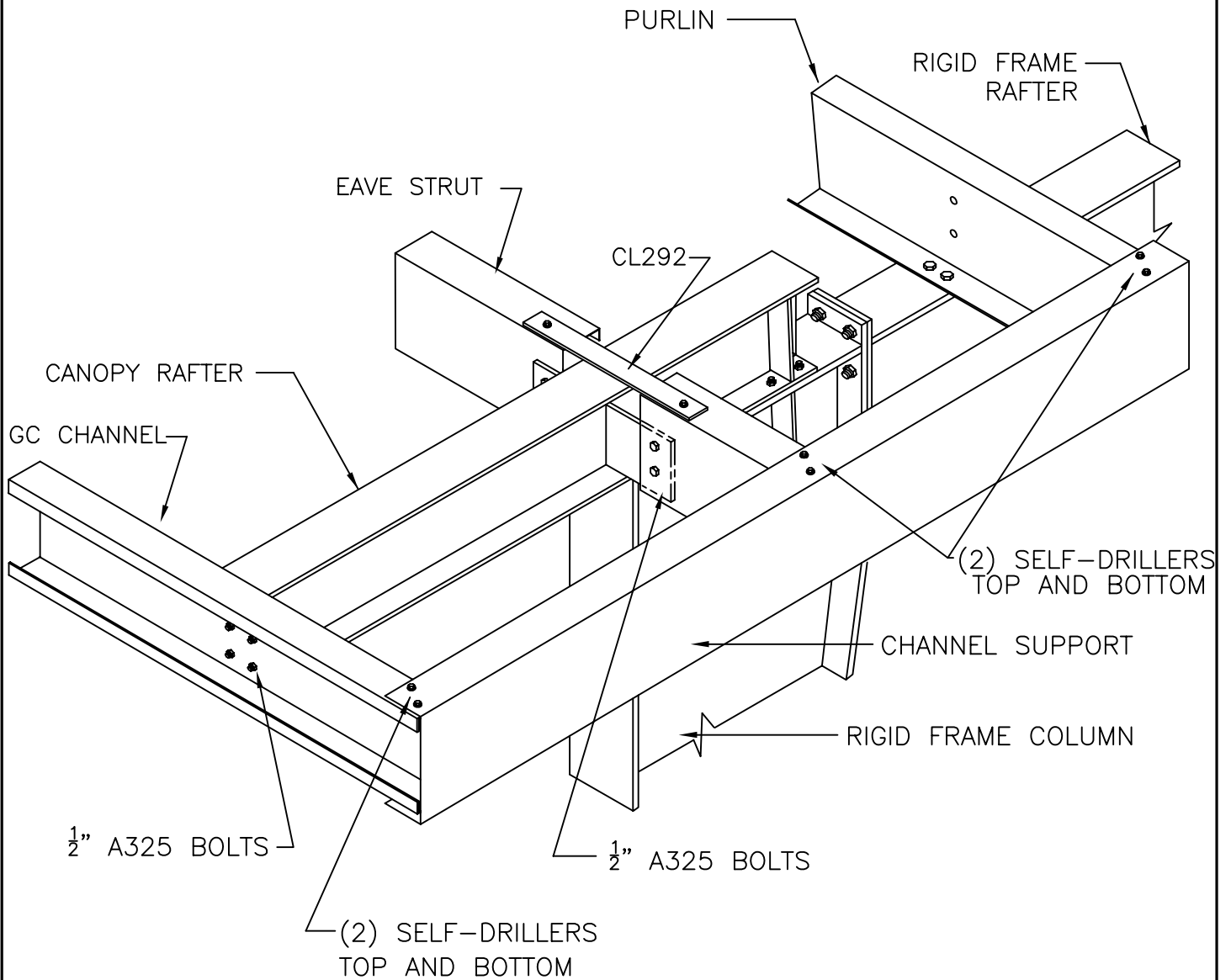


NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
FLUSH CANOPY @ ENDFRAME-INSET/FLUSH

SHT. NO. PF05015	
DATE FEB. 03	REV. 00

COLUMN DEPTH IS GREATER THAN OR EQUAL TO 1'-3"  
RIGID ENDFRAME

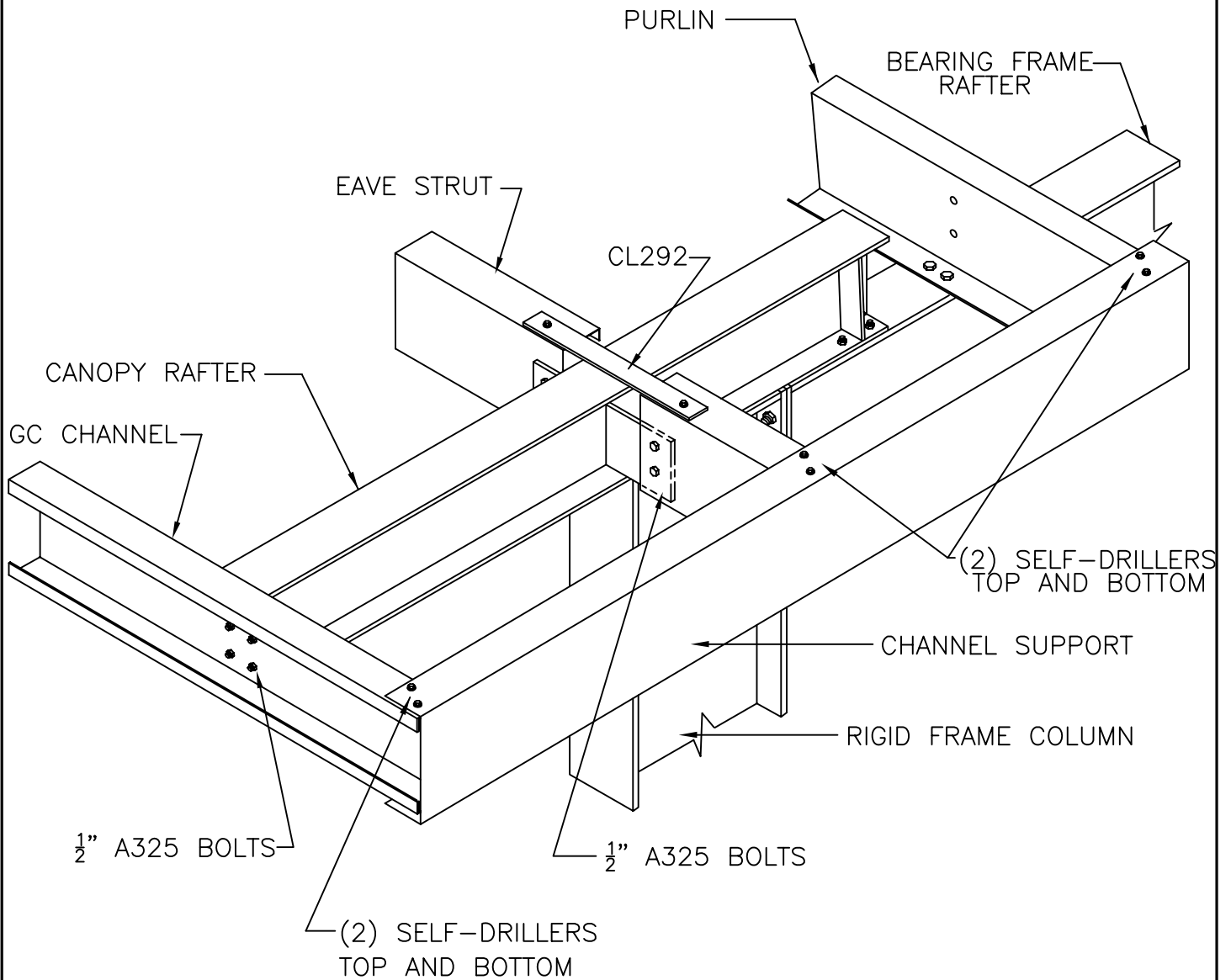


NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
FLUSH CANOPY @ ENDFRAME-INSET/FLUSH

SHT. NO. PF05016	
DATE FEB. 03	REV. 00

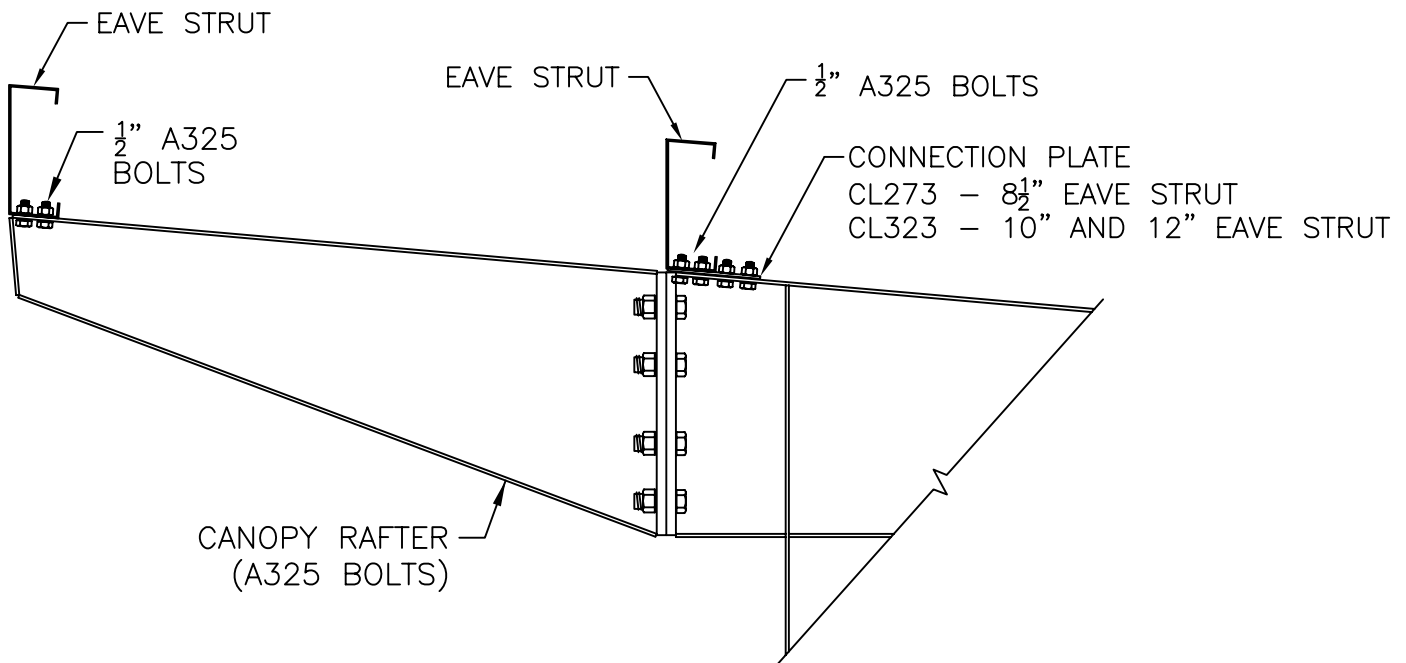
BEARING ENDFRAME



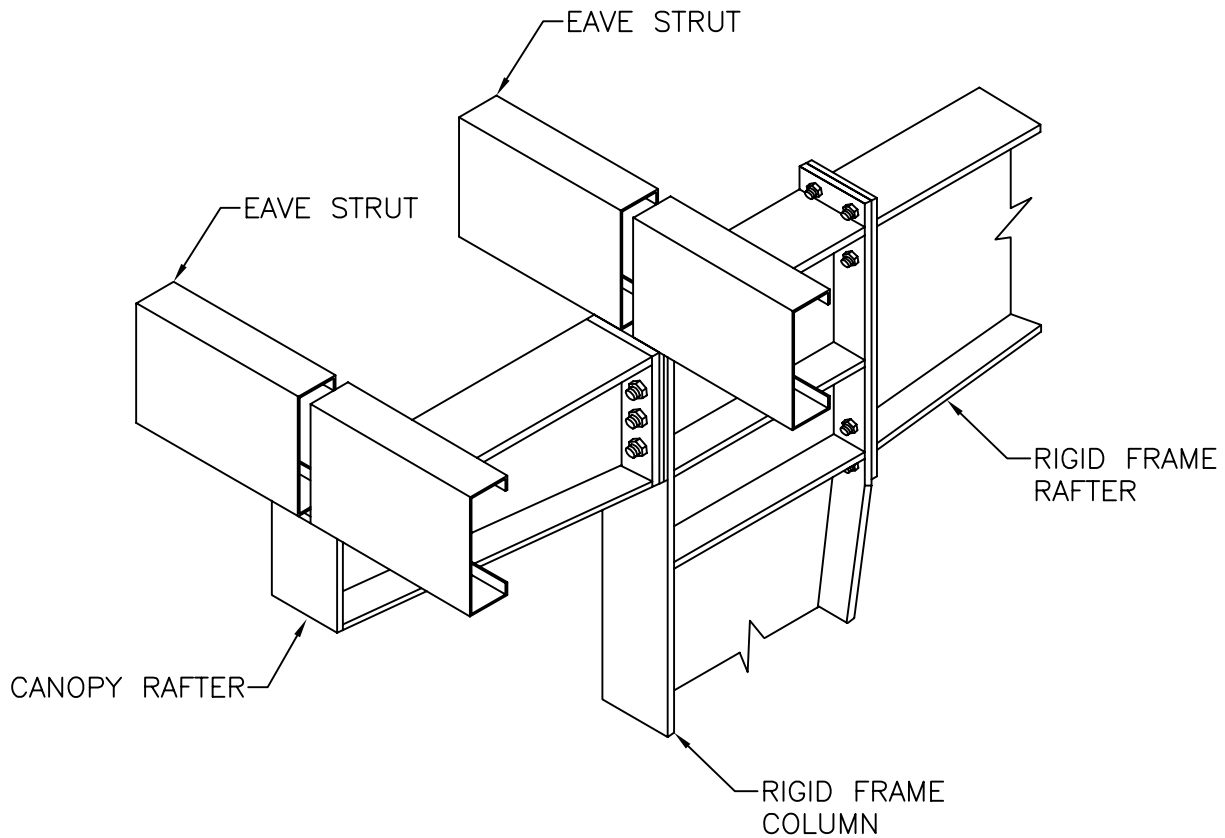
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
EAVELINE CANOPY - BY-PASS  
(HIGH SIDEWALL)

SHT. NO. PF05017	
DATE Feb. 10	REV. 01



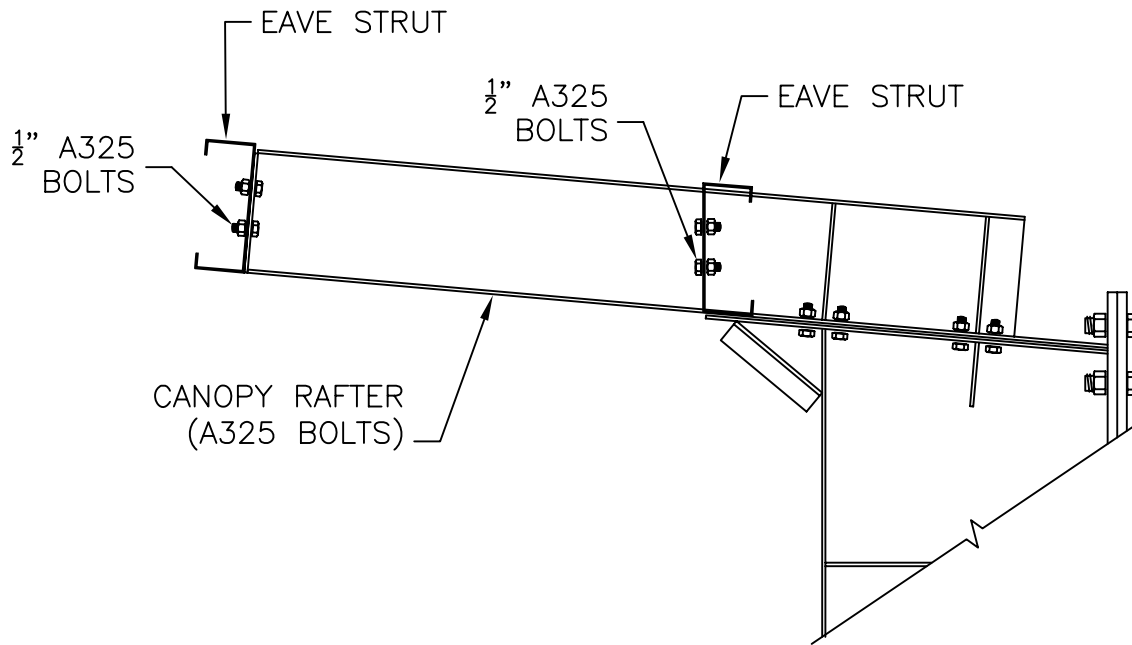
DETAIL AT WALL LINE



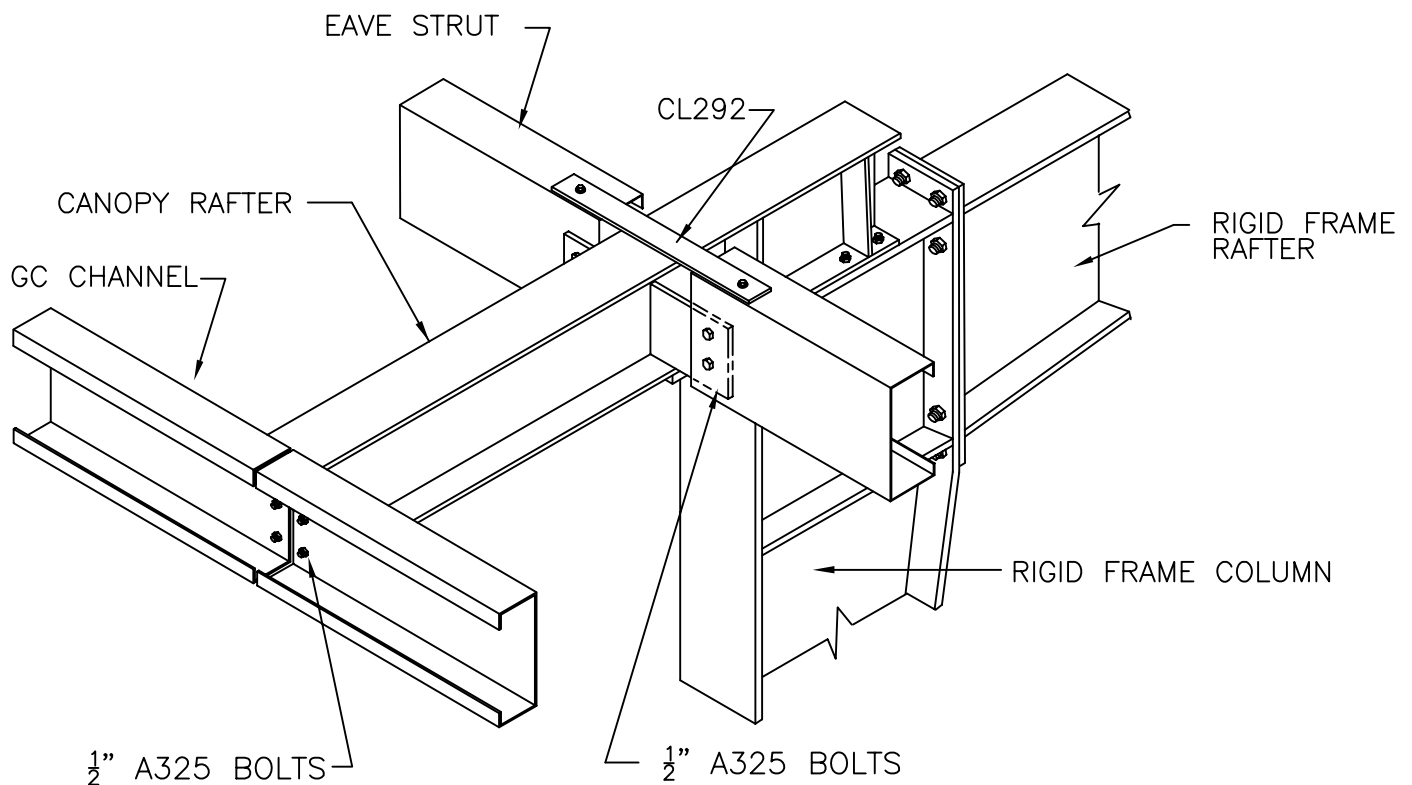
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE SIDEWALL ELEVATIONS FOR EAVE STRUTS MARKS.

PRIMARY FRAME DETAIL  
FLUSH EAVELINE CANOPY - BY-PASS  
(HIGH SIDEWALL)

SHT. NO. PF05018	
DATE MAR. 06	REV. 00



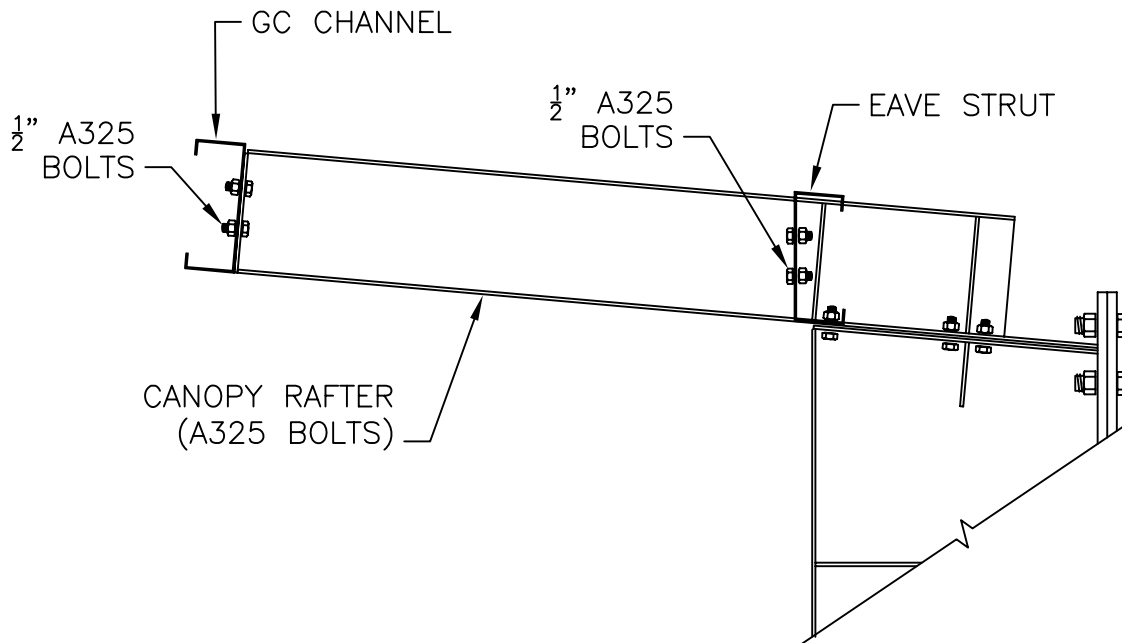
DETAIL AT WALL LINE



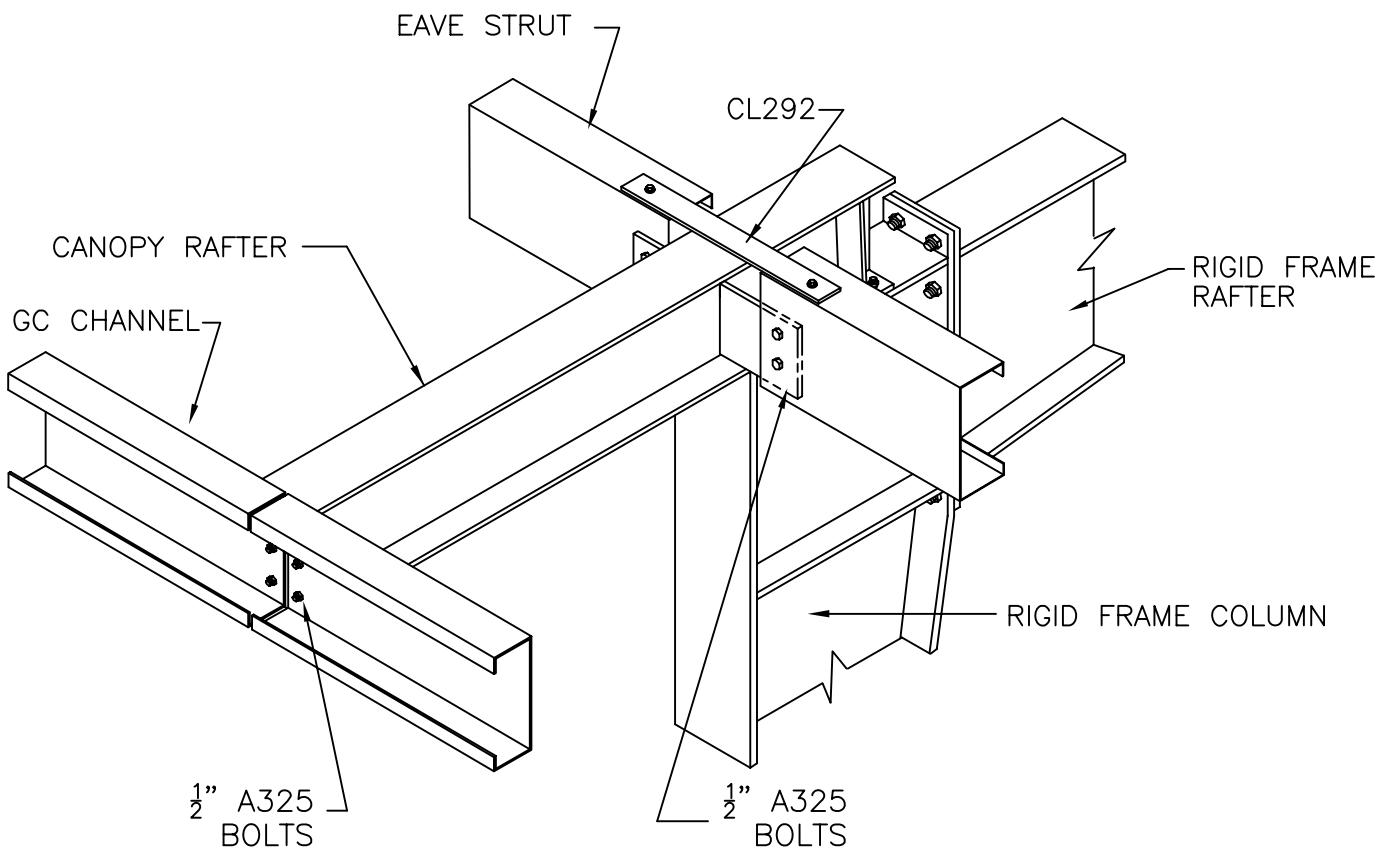
NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
FLUSH EAVELINE CANOPY - INSET/FLUSH  
(HIGH SIDEWALL)

SHT. NO. PF05019	
DATE MAR. 06	REV. 00



DETAIL AT WALL LINE

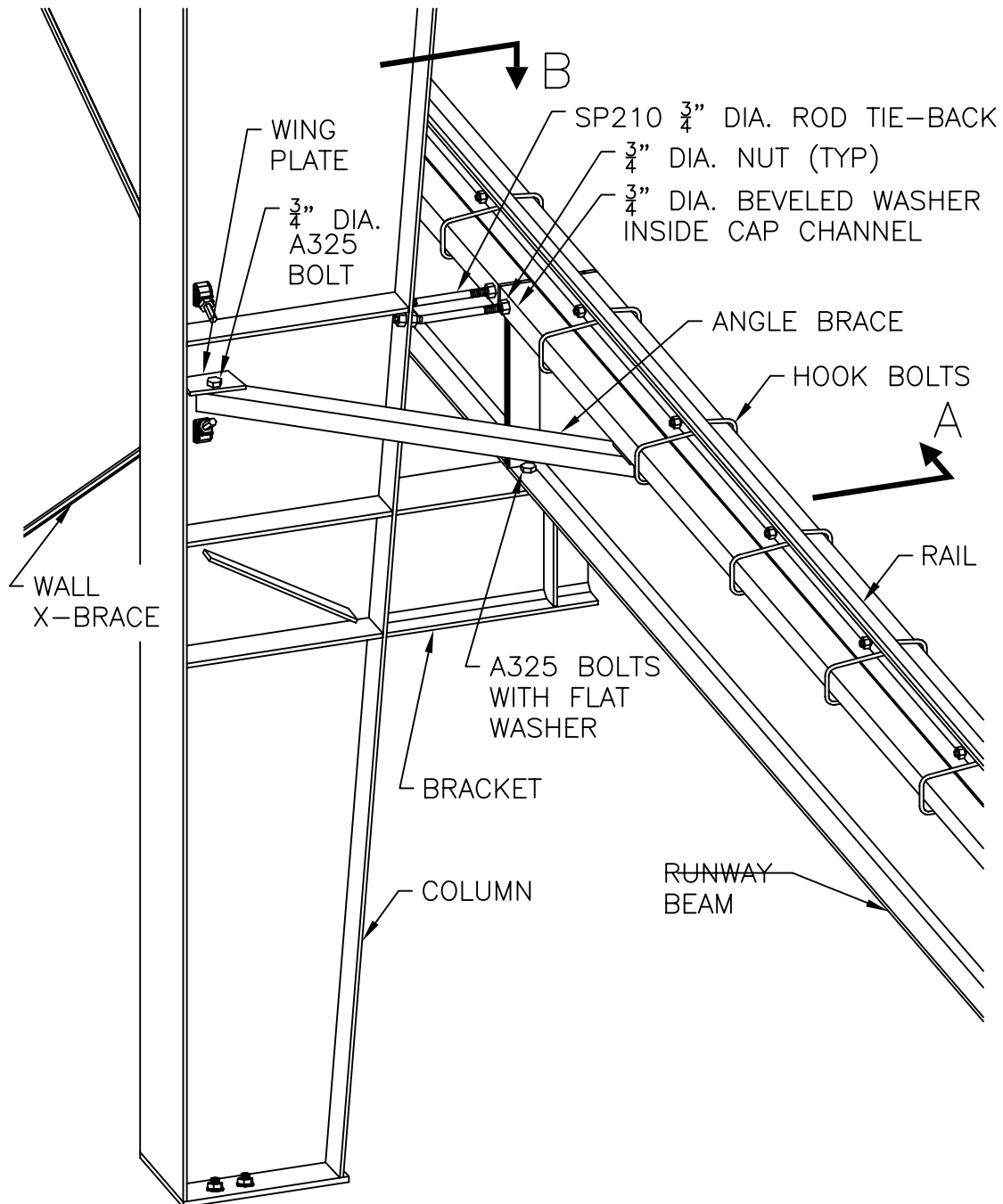


NOTES: FRAME SHAPES MAY VARY.  
SEE FRAME CROSS SECTIONS FOR ADDITIONAL FRAME INFORMATION.  
SEE ERECTION DRAWINGS FOR COLDFORM PIECE MARKS.

PRIMARY FRAME DETAIL  
TOP RUNNING CRANE

SHT. NO.	PF07001	
DATE	APR. 04	REV. 00

NOTE: INSTALL TIE-BACK RODS IN COLUMN  
BEFORE ATTACHING RUNWAY BEAM.

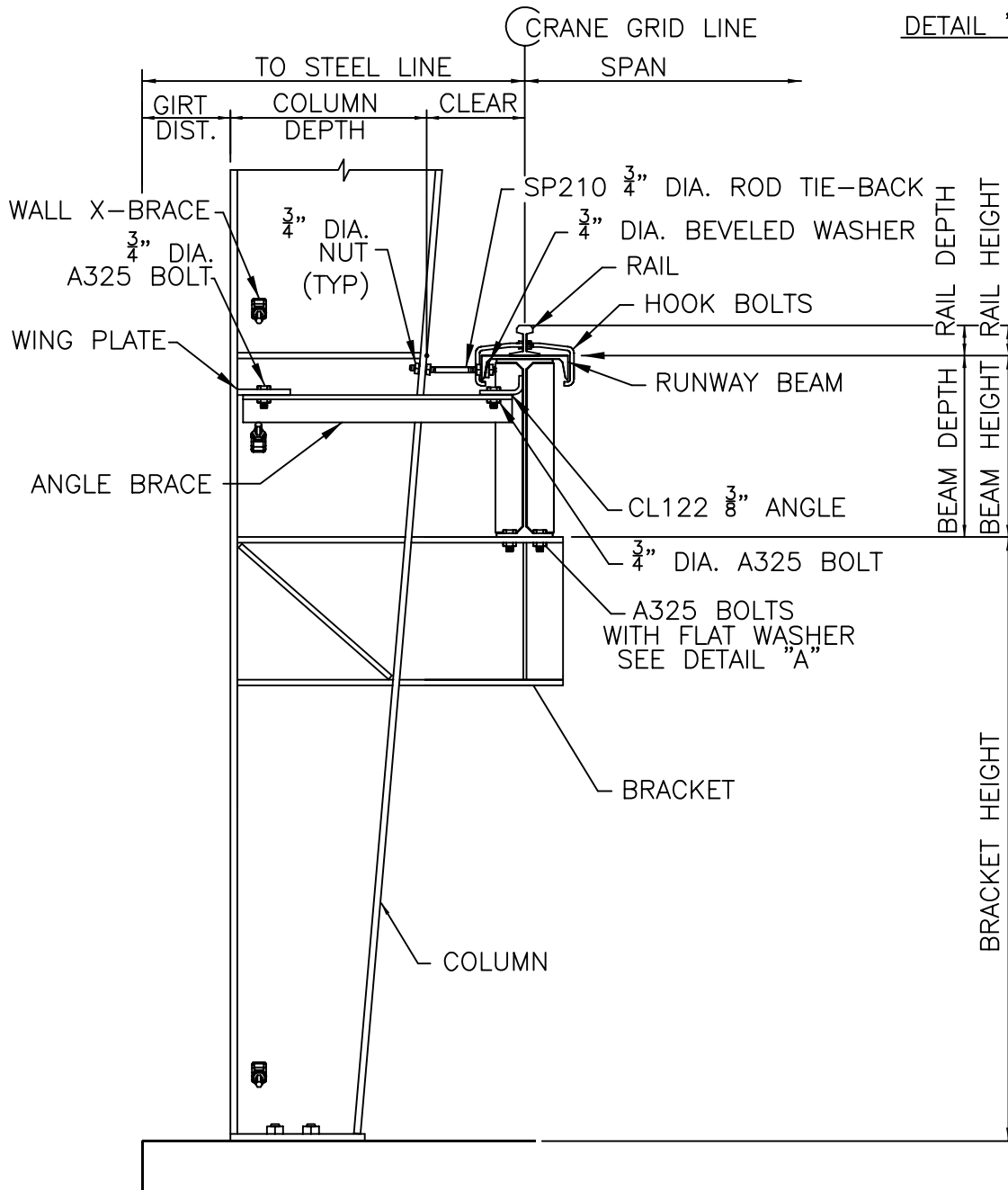
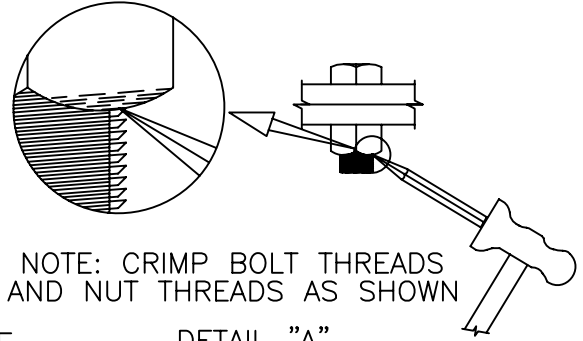


NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

PRIMARY FRAME DETAIL  
TOP RUNNING CRANE

SHT. NO. PF07002	
DATE APR. 04	REV. 00

NOTE: INSTALL TIE-BACK RODS IN COLUMN  
BEFORE ATTACHING RUNWAY BEAM.



SECTION A

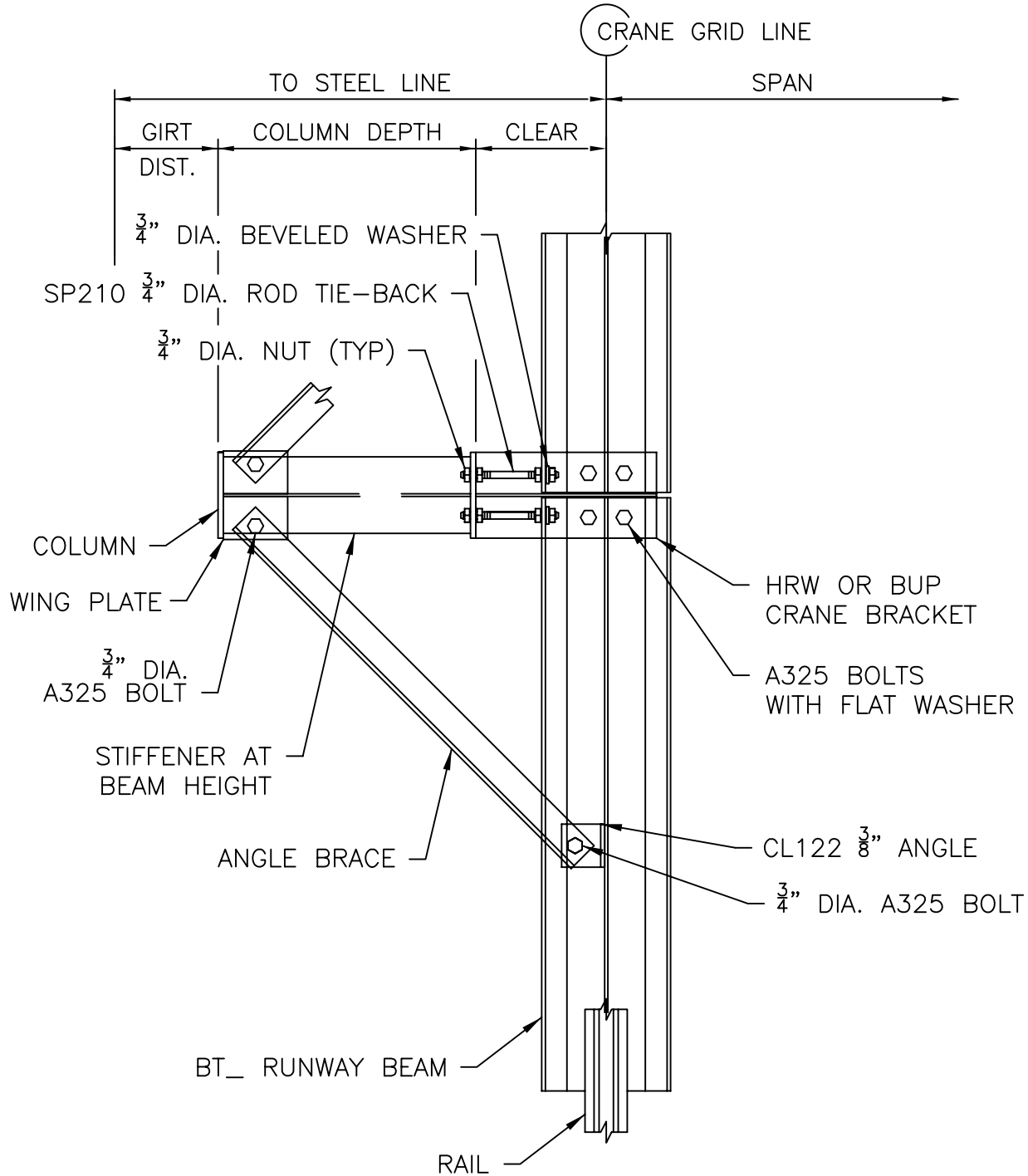
NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.



PRIMARY FRAME DETAIL  
TOP RUNNING CRANE

SHT. NO. PF07003	
DATE APR. 04	REV. 00

NOTE: INSTALL TIE-BACK RODS IN COLUMN  
BEFORE ATTACHING RUNWAY BEAM.



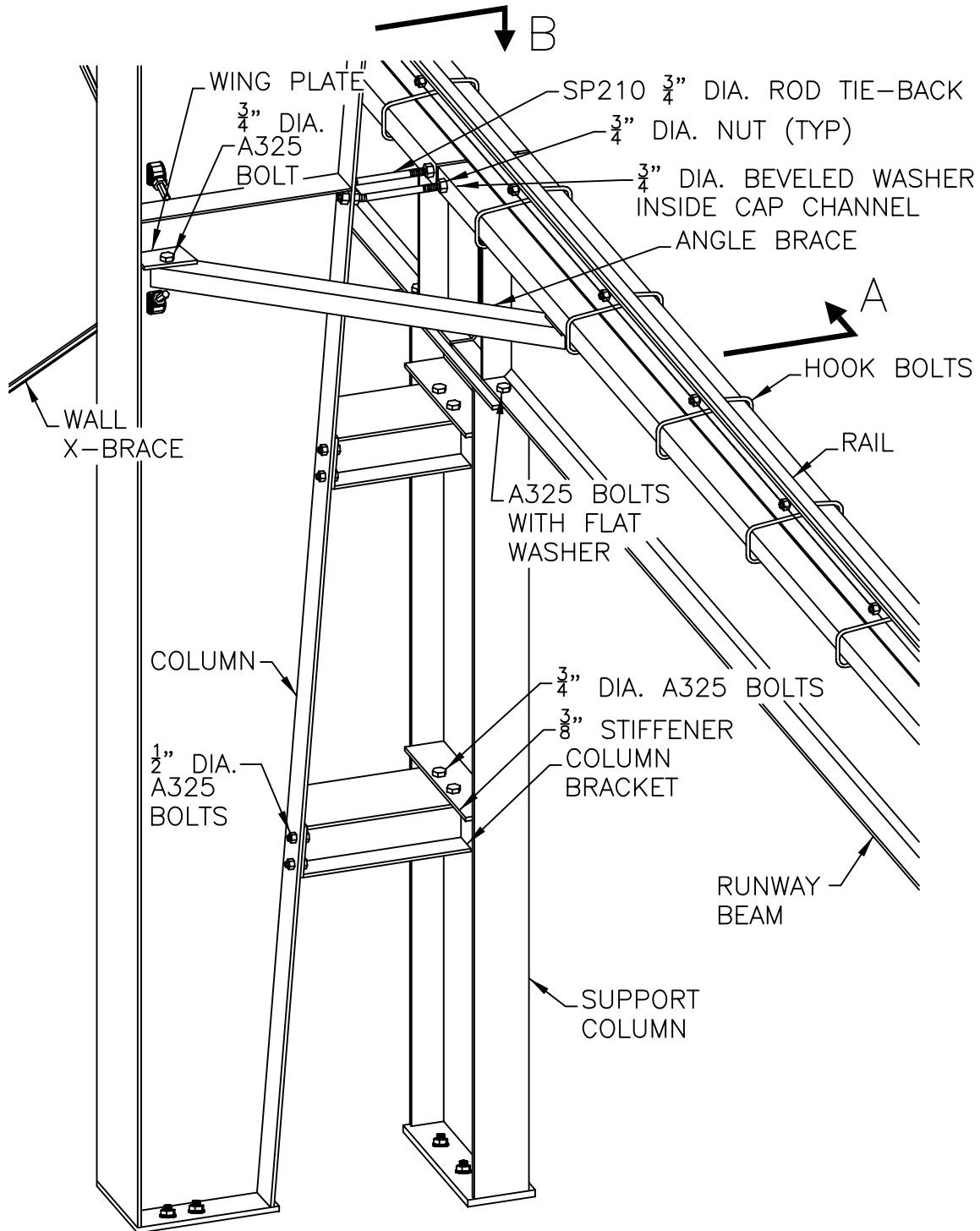
SECTION B

NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

PRIMARY FRAME DETAIL  
TOP RUNNING CRANE WITH COLUMN

SHT. NO. PF07004  
DATE APR. 04 REV. 00

NOTE: INSTALL TIE-BACK RODS IN COLUMN  
BEFORE ATTACHING RUNWAY BEAM.

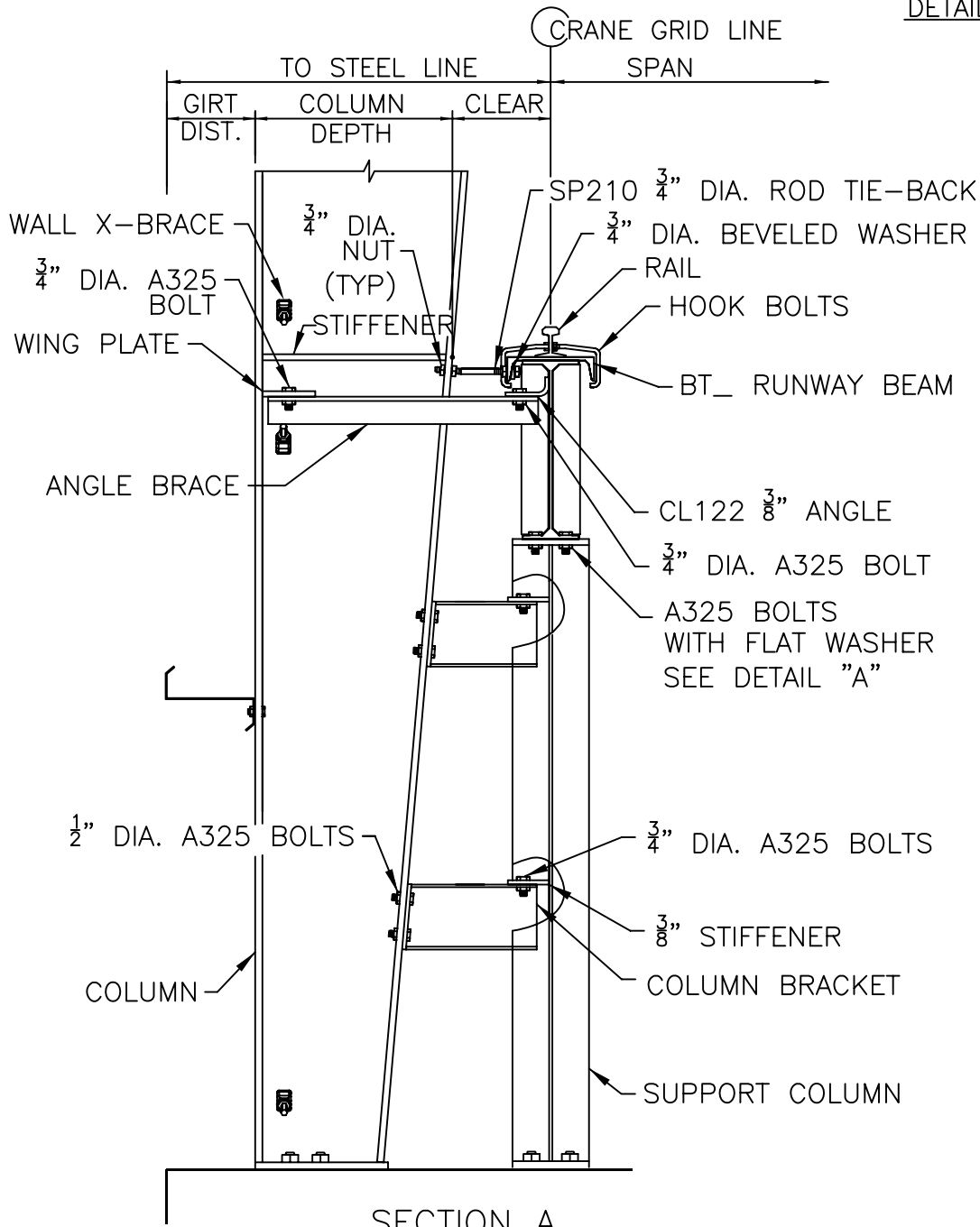
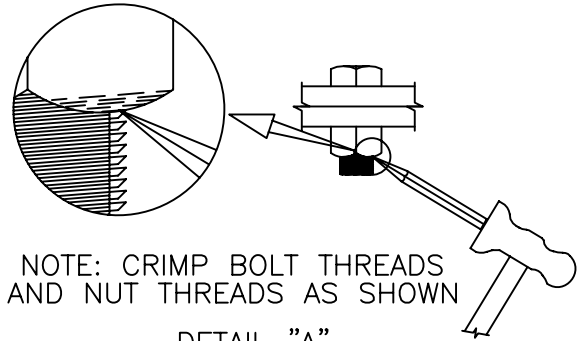


NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

PRIMARY FRAME DETAIL  
TOP RUNNING CRANE WITH COLUMN

SHT. NO. PF07005  
DATE APR. 04 REV. 00

NOTE: INSTALL TIE-BACK RODS IN COLUMN  
BEFORE ATTACHING RUNWAY BEAM.

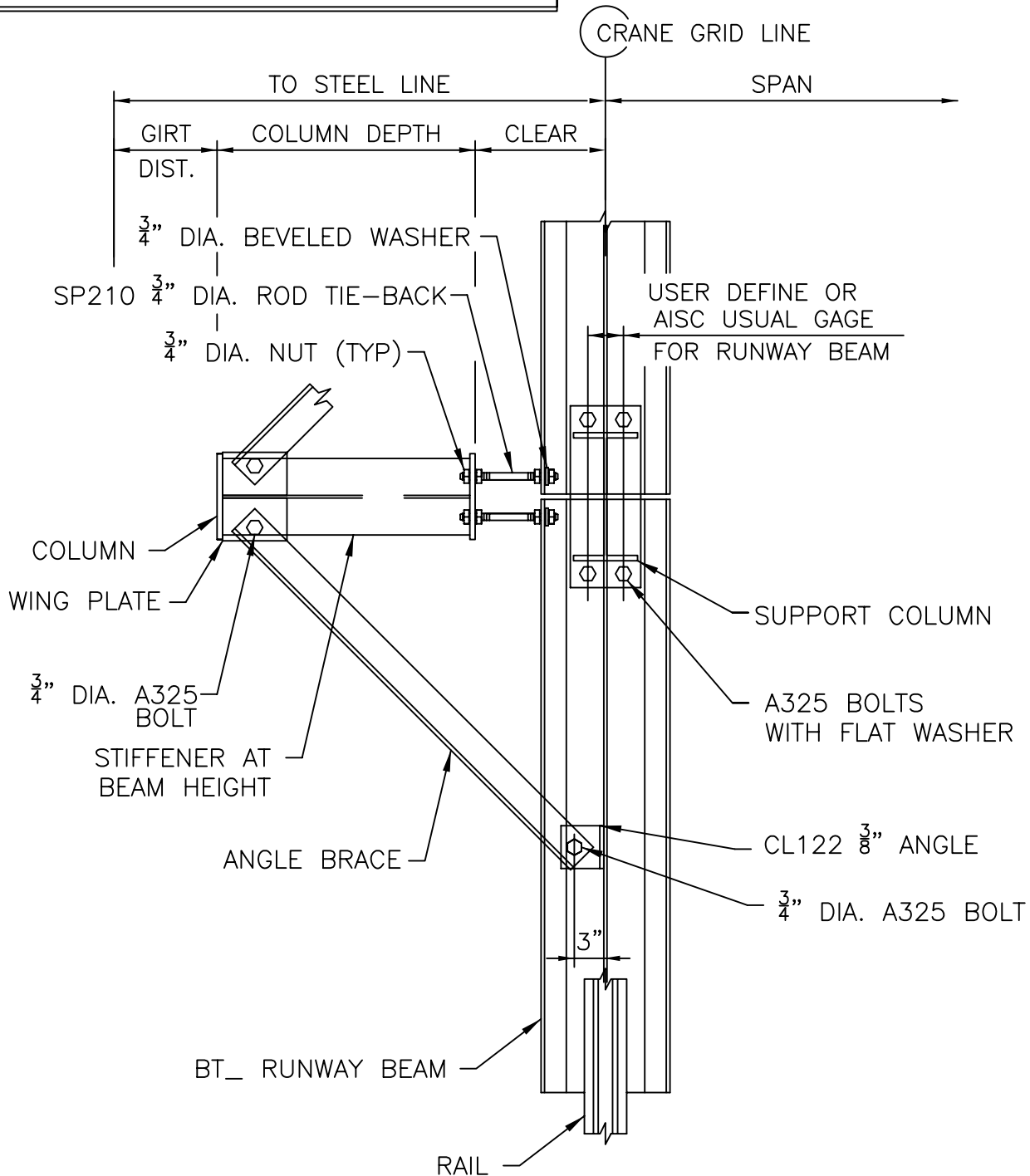


NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

PRIMARY FRAME DETAIL  
TOP RUNNING CRANE WITH COLUMN

SHT. NO. PF07006  
DATE APR. 04 REV. 00

NOTE: INSTALL TIE-BACK RODS IN COLUMN  
BEFORE ATTACHING RUNWAY BEAM.

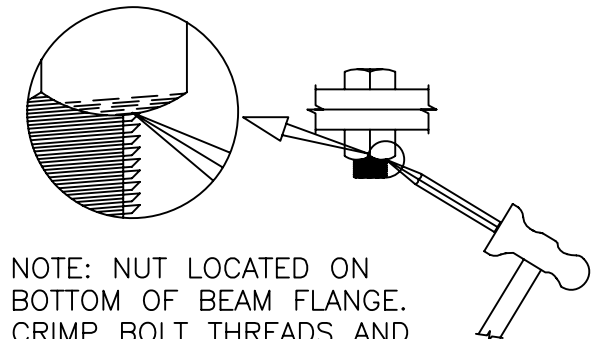
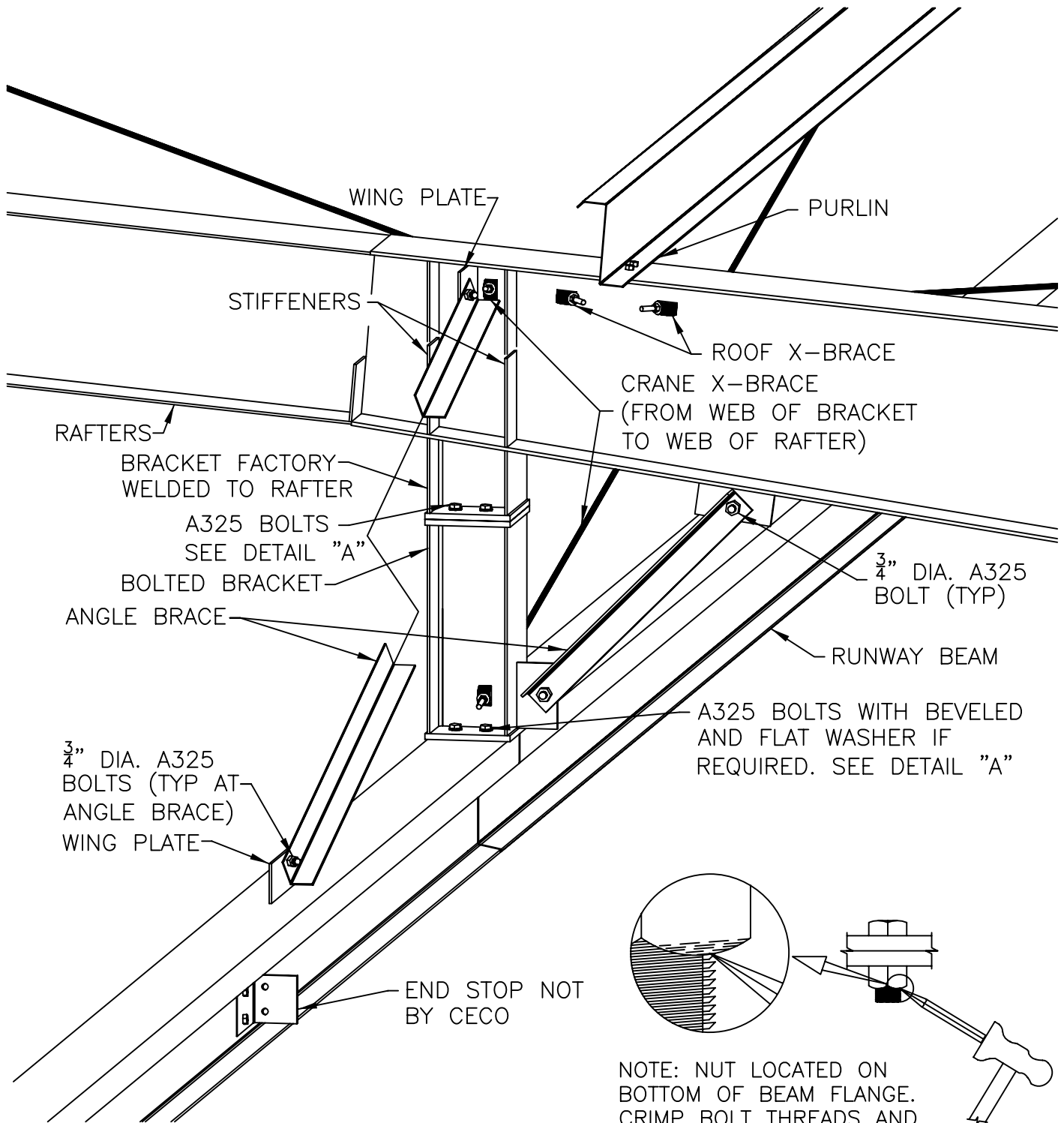


SECTION B

NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

PRIMARY FRAME DETAIL  
UNDERHUNG CRANE

SHT. NO. PF07007	
DATE JUL. 04	REV. 00



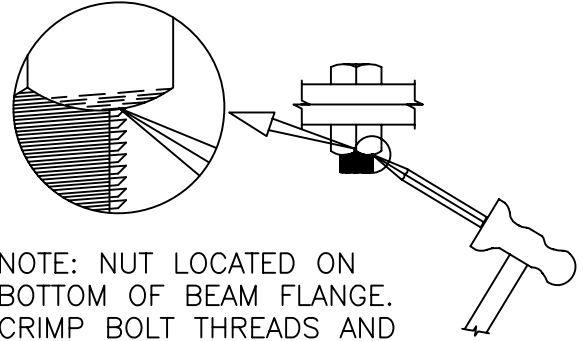
NOTE: NUT LOCATED ON  
BOTTOM OF BEAM FLANGE.  
CRIMP BOLT THREADS AND  
NUT THREADS AS SHOWN

DETAIL "A"

NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

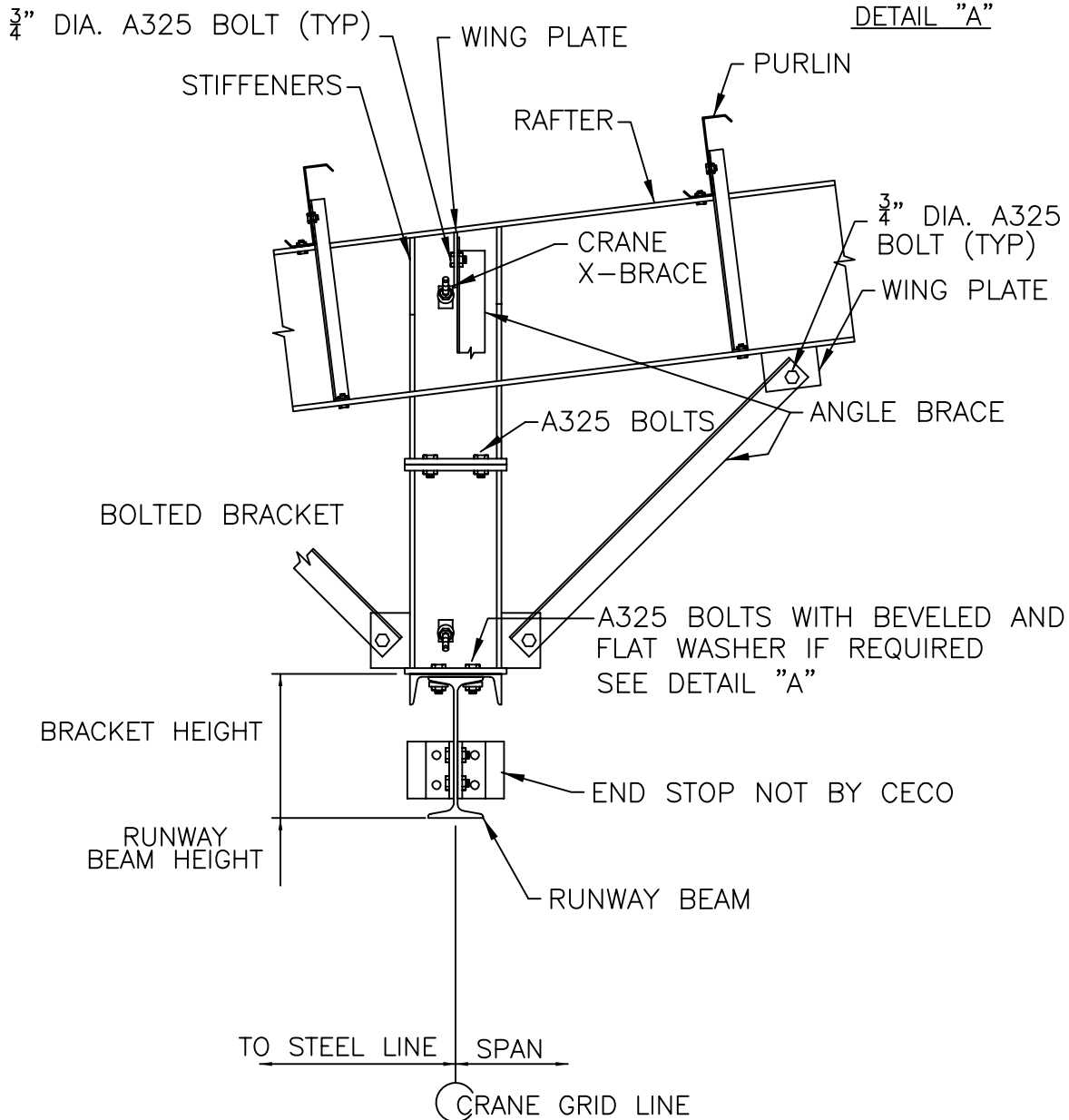
PRIMARY FRAME DETAIL  
UNDERHUNG CRANE

SHT. NO. PF07008  
DATE APR. 04 REV. 00



NOTE: NUT LOCATED ON  
BOTTOM OF BEAM FLANGE.  
CRIMP BOLT THREADS AND  
NUT THREADS AS SHOWN

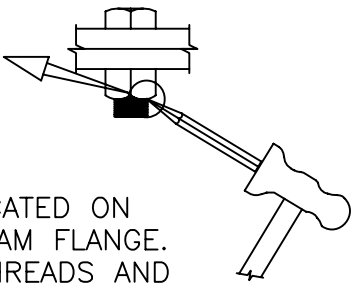
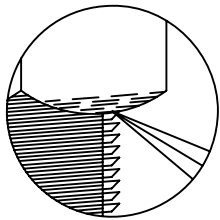
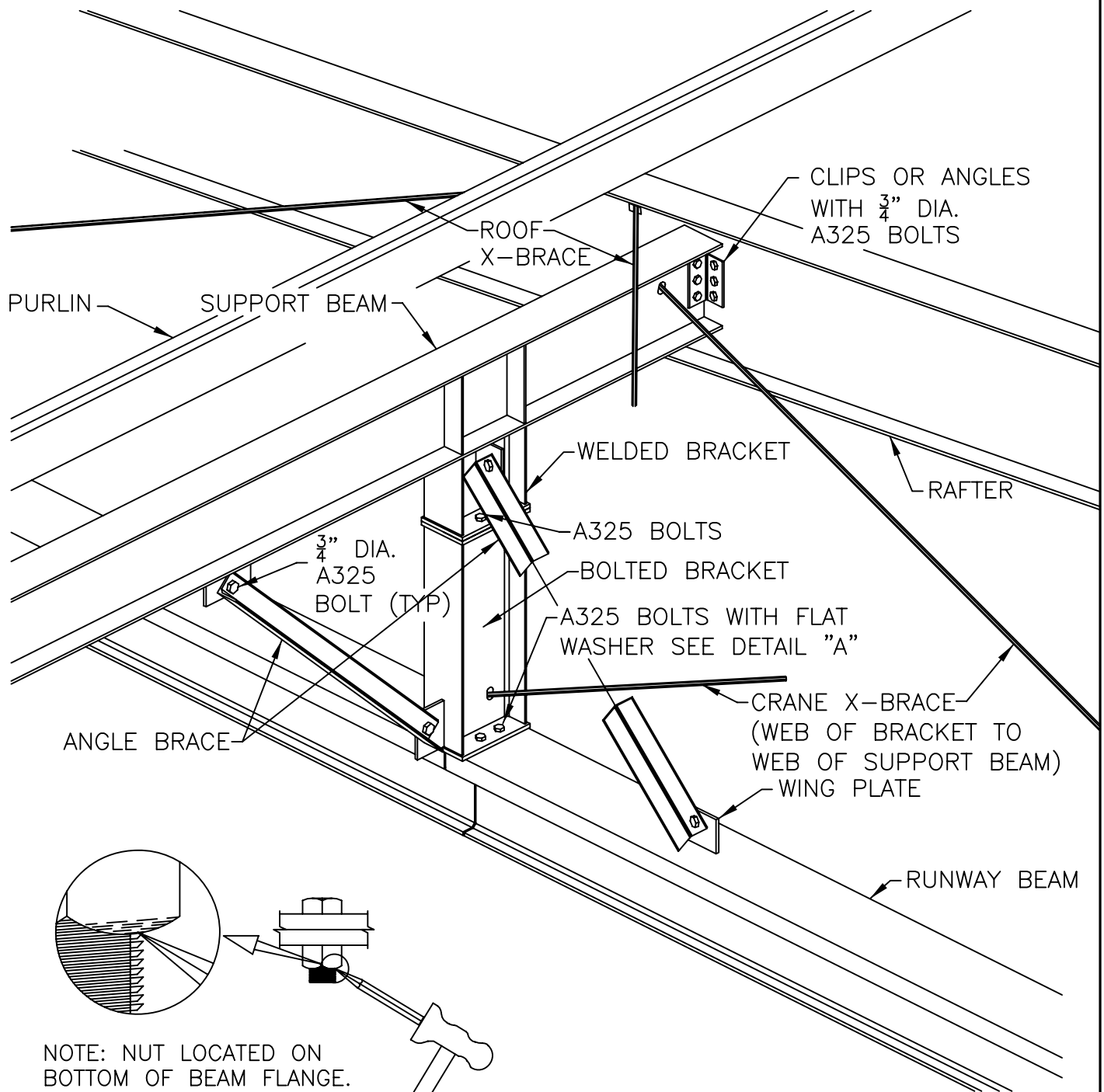
DETAIL "A"



NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

PRIMARY FRAME DETAIL  
UNDERHUNG CRANE-PARALLEL WITH FRAME

SHT. NO. PF07009	
DATE JUL. 04	REV. 00



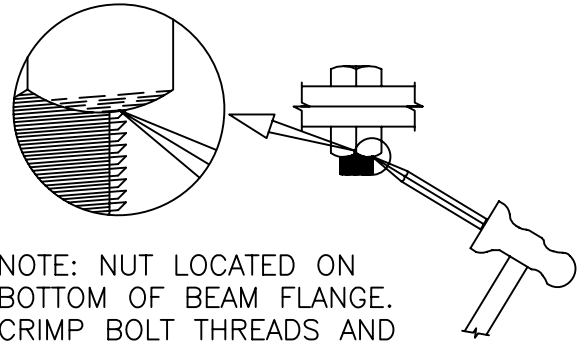
NOTE: NUT LOCATED ON  
BOTTOM OF BEAM FLANGE.  
CRIMP BOLT THREADS AND  
NUT THREADS AS SHOWN

DETAIL "A"

NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.

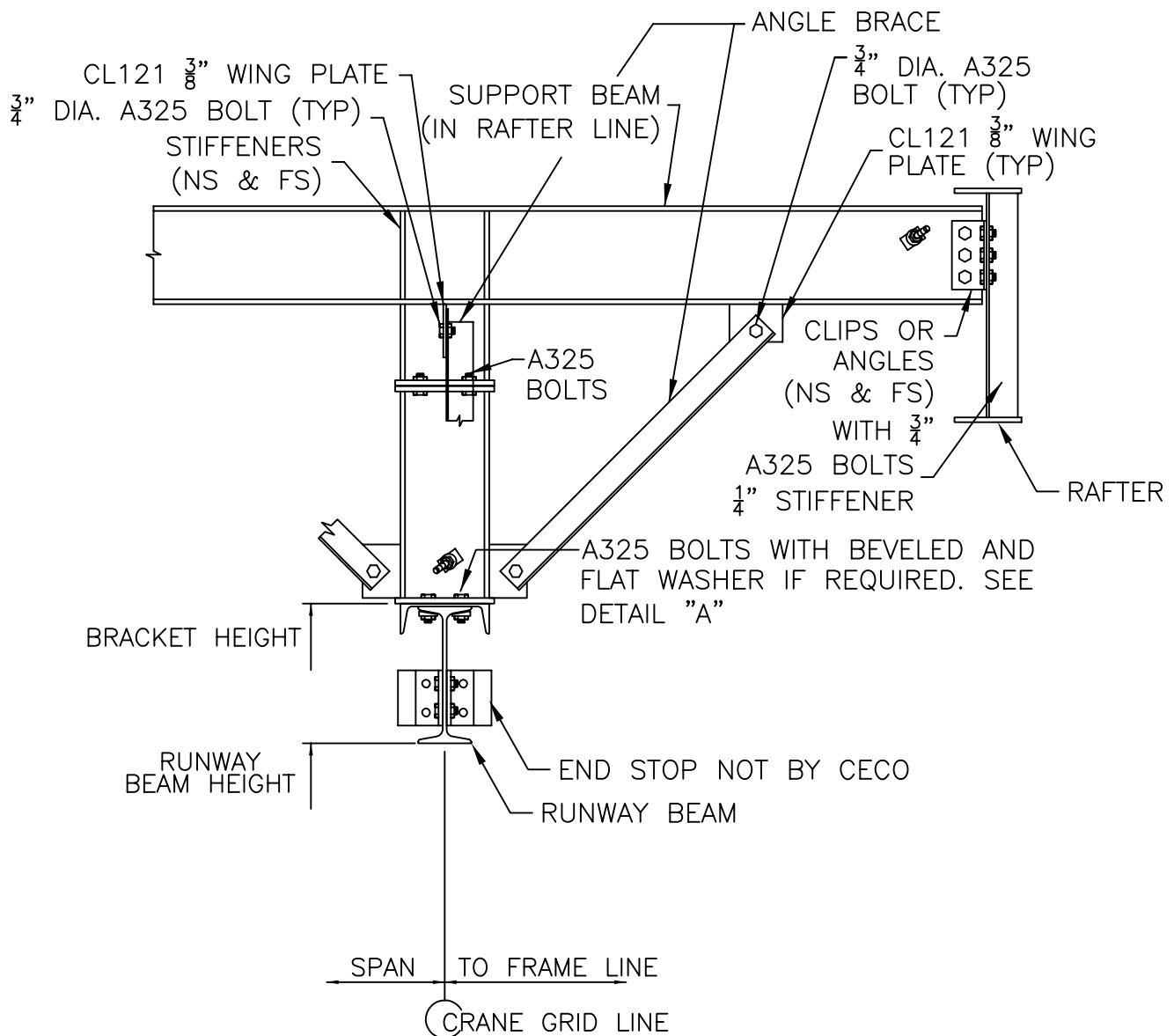
PRIMARY FRAME DETAIL  
UNDERHUNG CRANE-PARALLEL WITH FRAME

SHT. NO. PF07010  
DATE APR. 04 REV. 00



NOTE: NUT LOCATED ON  
BOTTOM OF BEAM FLANGE.  
CRIMP BOLT THREADS AND  
NUT THREADS AS SHOWN

DETAIL "A"



NOTES: FRAME SHAPES MAY VARY.  
SEE CRANE ELEVATION FOR ADDITIONAL INFORMATION.