

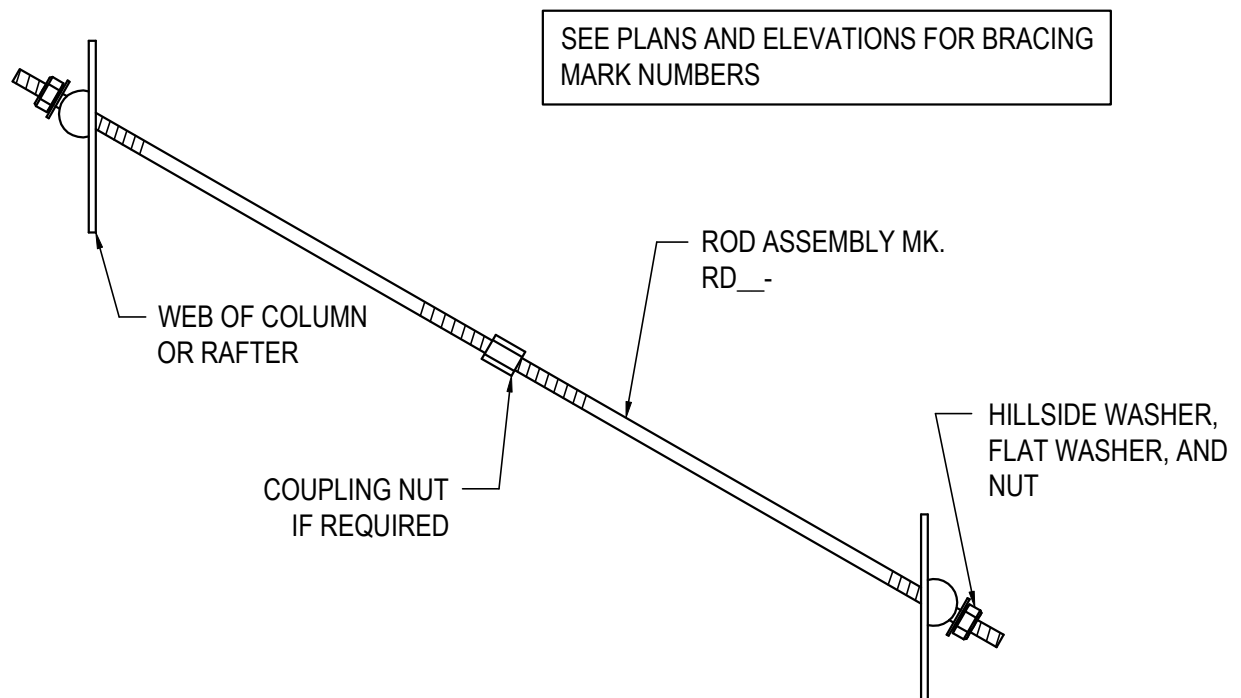
ROD, CABLE AND SW WIND BRACING

- AF0010 - ROD BRACE DETAIL (WEB TO WEB)
 - AF0011 - ROD BRACE DETAIL (WEB TO WEB)
 - AF0015 - PADDLE BRACE LOCATION DETAIL (WITH FLUSH OR INSET GIRTS AND LINER PANEL)
 - AF0016 - DOUBLE ROD PADDLE BRACE DETAIL
 - AF0020 - ROD BRACE DETAIL (PADDLE BRACE TO WEB)
 - AF0021 - ROD BRACE DETAIL (PADDLE BRACE TO WEB)
 - AF0030 - ROD BRACE DETAIL (PADDLE BRACE TO PADDLE BRACE)
 - AF0040 - ROD BRACE DETAIL (WEB TO FLOOR)
 - AF0041 - ROD BRACE DETAIL (WEB TO FLOOR)
 - AF0050 - ROD BRACE DETAIL (PADDLE BRACE TO FLOOR)
 - AF0071 - PORTAL FRAME TIERED ROD BRACING
 - AF0080 - GUIDELINES FOR FIELD SLOTTING SECONDARY (WEBS AT INSET OR FLUSH CONDITION)
 - AF0710 - CABLE BRACE DETAIL (WEB TO WEB)
 - AF0711 - CABLE BRACE DETAIL (WEB TO WEB)
 - AF0720 - CABLE BRACE DETAIL (PADDLE BRACE TO WEB)
 - AF0721 - CABLE BRACE DETAIL (PADDLE BRACE TO WEB)
 - AF0730 - CABLE BRACE DETAIL (PADDLE BRACE TO PADDLE BRACE)
 - AF0810 - WIND COLUMN BRACING DETAIL - LOWSIDE
 - AF0815 - ALTERNATE WIND COLUMN BRACING DETAIL (USED WHEN JOIST ARE BETWEEN WBC03 & WBP01)
 - AF0820 - WIND COLUMN BRACING DETAIL - HIGHSIDE
 - AF0830 - WIND COLUMN BRACING DETAIL - LOWSIDE WITH PURLINS
 - AF0840 - WIND COLUMN BRACING DETAIL - HIGHSIDE WITH PURLINS
-

AF0010 - ROD BRACE DETAIL (WEB TO WEB)

[Download the DWG file by clicking here.](#)

ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS (QTY VARIES)
5/8" Ø	RD05-	(2) H0930	(2) H0210	(2) H0310	H0810
3/4" Ø	RD06-	(2) H0930	(2) H0220	(2) H0320	H0820
7/8" Ø	RD07-	(2) H0930	(2) H0230	(2) H0325	H0830
1" Ø	RD08-	(2) H0960	(2) H0240	(2) H0330	H0840
1 1/8" Ø	RD09-	(2) H0960	(2) H0250	(2) H0450	H0850
1 1/4" Ø	RD10-	(2) H0960	(2) H0260	(2) H0340	H0860



ROD BRACE DETAIL

WEB TO WEB

AF0010

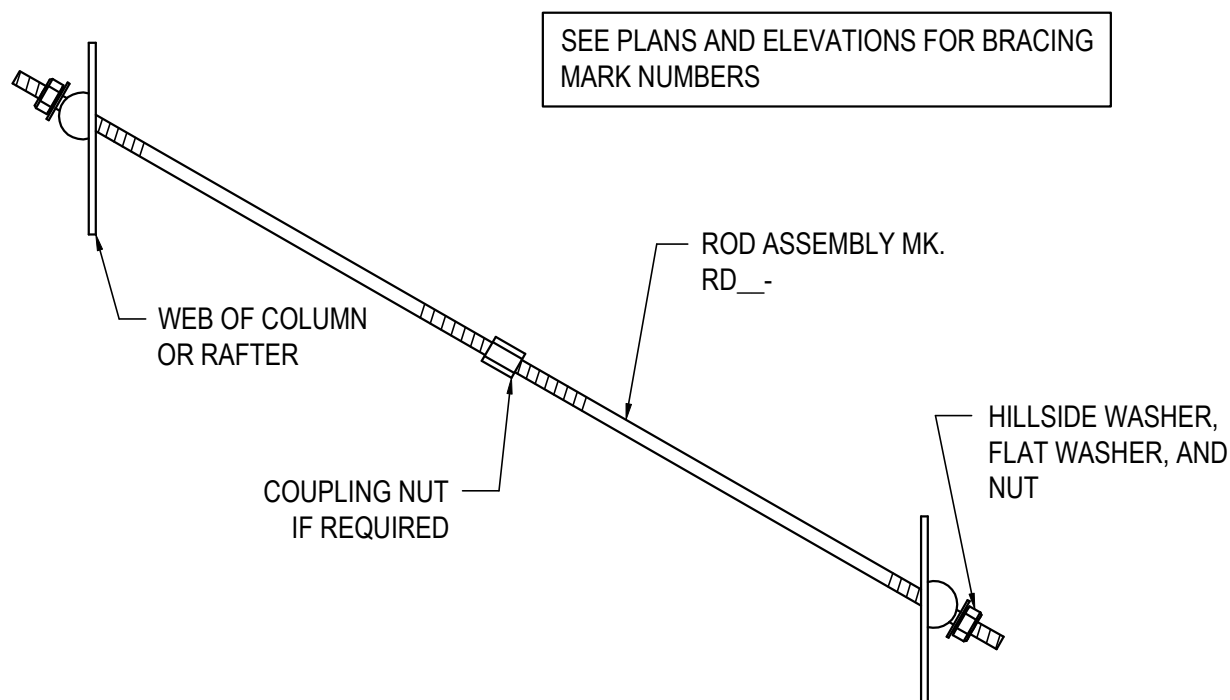
Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.

AF0011 - ROD BRACE DETAIL (WEB TO WEB)

[Download the DWG file by clicking here.](#)

ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS (QTY VARIES)
5/8" Ø	RD05-	(2) H0280	(2) H0210	(2) H0310	H0810
3/4" Ø	RD06-	(2) H0285	(2) H0220	(2) H0320	H0820
7/8" Ø	RD07-	(2) H0285	(2) H0230	(2) H0325	H0830
1" Ø	RD08-	(2) H0290	(2) H0240	(2) H0330	H0840
1 1/8" Ø	RD09-	(2) H0290	(2) H0250	(2) H0450	H0850
1 1/4" Ø	RD10-	(2) H0295	(2) H0260	(2) H0340	H0860



ROD BRACE DETAIL

WEB TO WEB

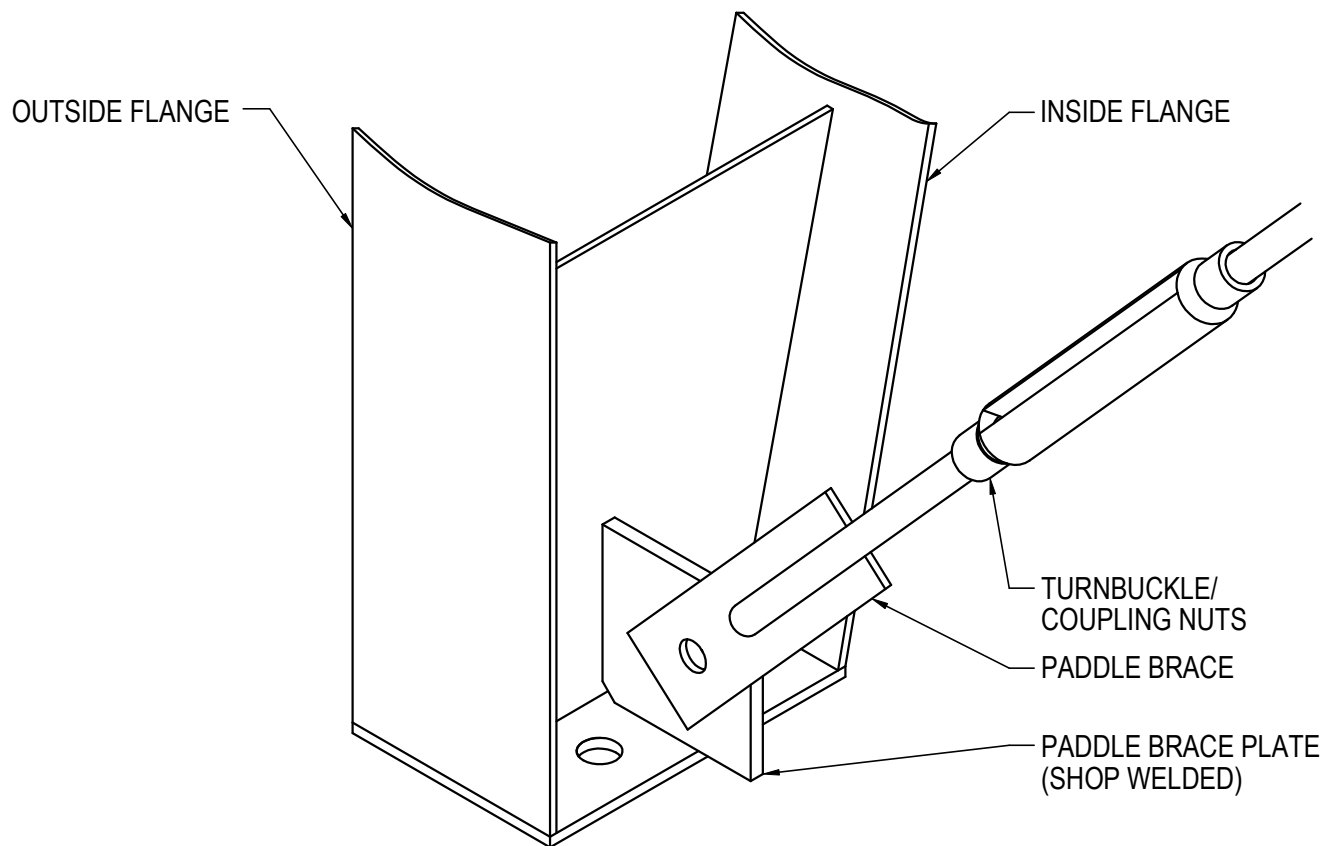
AF0011

Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.

AF0015 - PADDLE BRACE LOCATION DETAIL (WITH FLUSH OR INSET GIRTS AND LINER PANEL)

[Download the DWG file by clicking here.](#)



ERECTOR NOTE

THE PADDLE BRACE CAN BE ATTACHED ON EITHER SIDE OF THE PADDLE BRACE PLATE. HOWEVER, IF LINER PANEL IS TO BE INSTALLED, IT WILL NEED TO BE ATTACHED AS SHOWN ABOVE (TOWARD THE COLUMN OUTSIDE FLANGE)

PADDLE BRACE LOCATION DETAIL

WITH FLUSH OR INSET GIRTS AND LINER PANEL

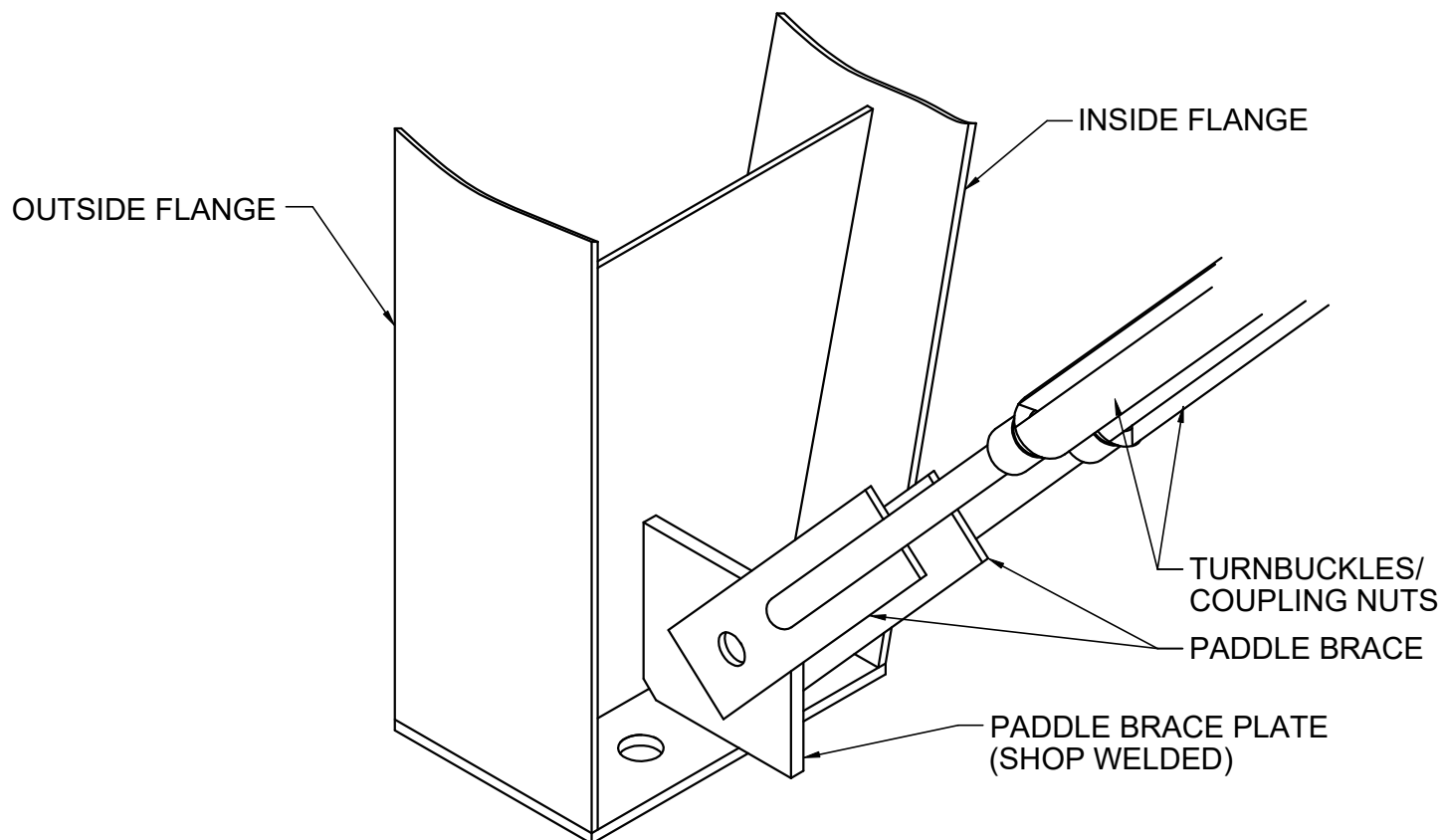
AF0015

Detailer Notes:

- 1) SHOP WELDED PLATE IS A BCP___. FOR STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

AF0016 - DOUBLE ROD PADDLE BRACE DETAIL

[Download the DWG file by clicking here.](#)



ERECTOR NOTE

FOR DOUBLE ROD BRACING, THE PADDLE BRACE(S) MUST BE ATTACHED ON BOTH SIDES OF THE 1" SPECIAL PLATE. TOED OPPOSITE ONE ANOTHER, AS SHOWN. RODS NEED TO BE TENSIONED EQUALLY.

DOUBLE ROD PADDLE BRACING DETAIL

AF0016

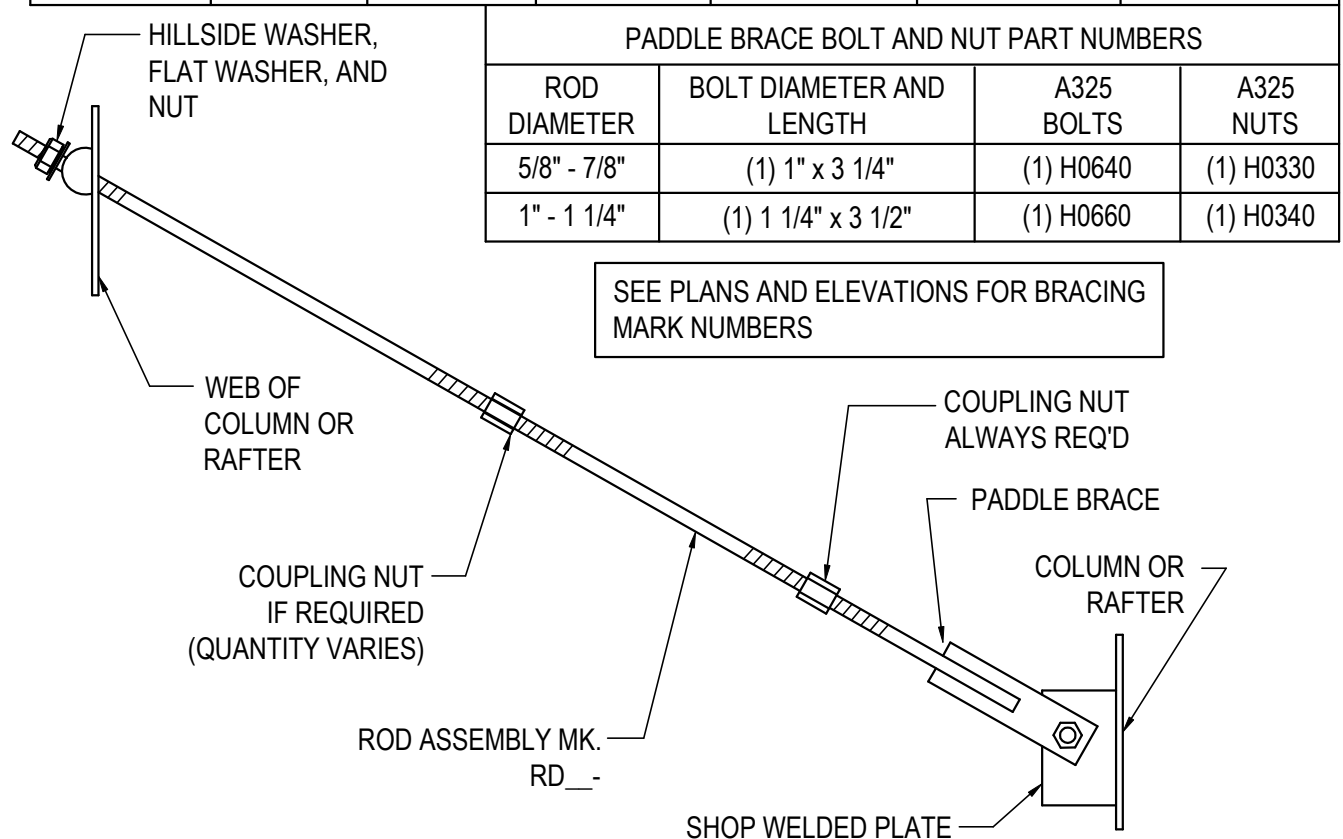
Detailer Notes:

- 1) SHOP WELDED PLATE IS A BCP___. FOR STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

AF0020 - ROD BRACE DETAIL (PADDLE BRACE TO WEB)

[Download the DWG file by clicking here.](#)

ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	PADDLE BRACE	COUPLING NUTS (QTY. VARIES)
5/8" Ø	RD05-	(1) H0930	(1) H0210	(1) H0310	(1) BCS07	H0810
3/4" Ø	RD06-	(1) H0930	(1) H0220	(1) H0320	(1) BCS08	H0820
7/8" Ø	RD07-	(1) H0930	(1) H0230	(1) H0325	(1) BCS09	H0830
1" Ø	RD08-	(1) H0960	(1) H0240	(1) H0330	(1) BCL06	H0840
1 1/8" Ø	RD09-	(1) H0960	(1) H0250	(1) H0450	(1) BCL03	H0850
1 1/4" Ø	RD10-	(1) H0960	(1) H0260	(1) H0340	(1) BCL04	H0860



ROD BRACE DETAIL

PADDLE BRACE TO WEB

AF0020

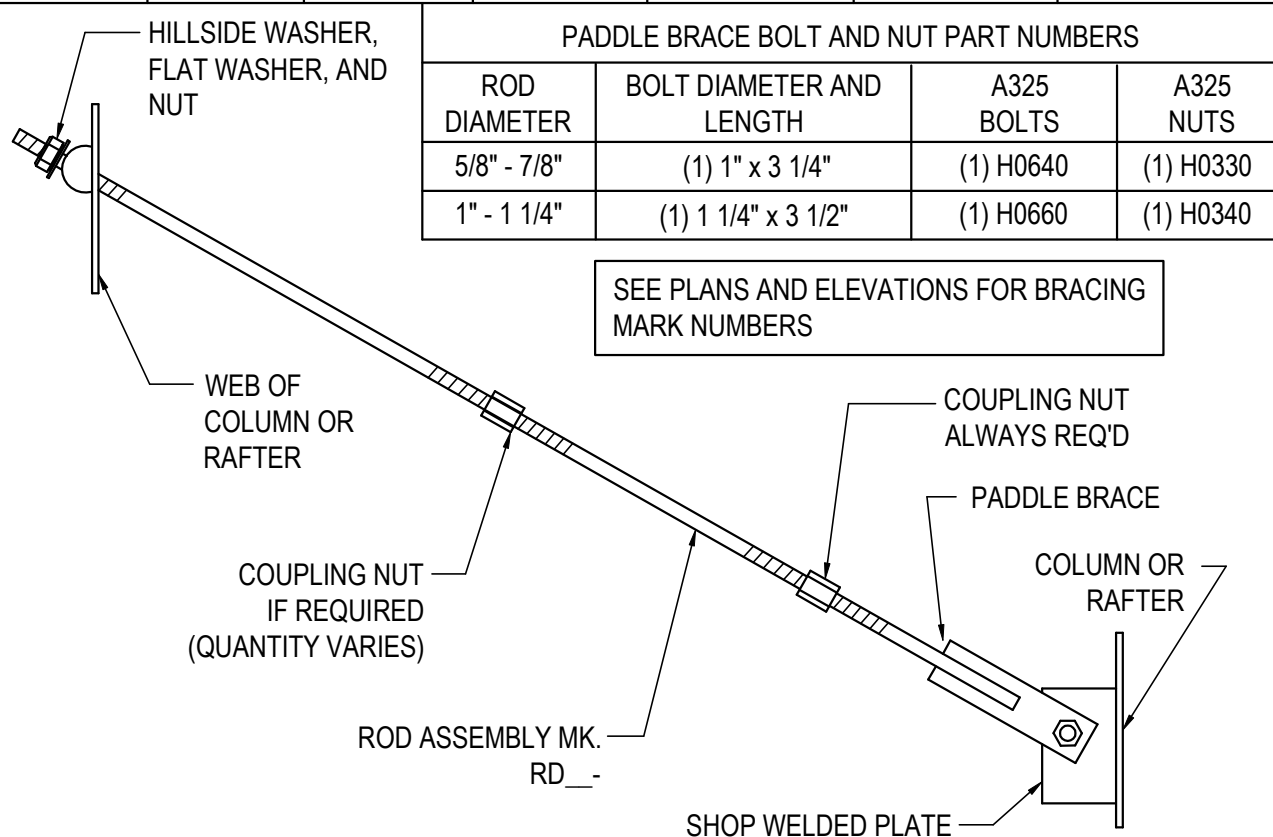
Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.
- 2) FOR BCP AND BCH STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

AF0021 - ROD BRACE DETAIL (PADDLE BRACE TO WEB)

[Download the DWG file by clicking here.](#)

ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	PADDLE BRACE	COUPLING NUTS (QTY. VARIES)
5/8" Ø	RD05-	(1) H0280	(1) H0210	(1) H0310	(1) BCS07	H0810
3/4" Ø	RD06-	(1) H0285	(1) H0220	(1) H0320	(1) BCS08	H0820
7/8" Ø	RD07-	(1) H0285	(1) H0230	(1) H0325	(1) BCS09	H0830
1" Ø	RD08-	(1) H0290	(1) H0240	(1) H0330	(1) BCL06	H0840
1 1/8" Ø	RD09-	(1) H0290	(1) H0250	(1) H0450	(1) BCL03	H0850
1 1/4" Ø	RD10-	(1) H0295	(1) H0260	(1) H0340	(1) BCL04	H0860



ROD BRACE DETAIL

PADDLE BRACE TO WEB

AF0021

Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.
- 2) FOR BCP AND BCH STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

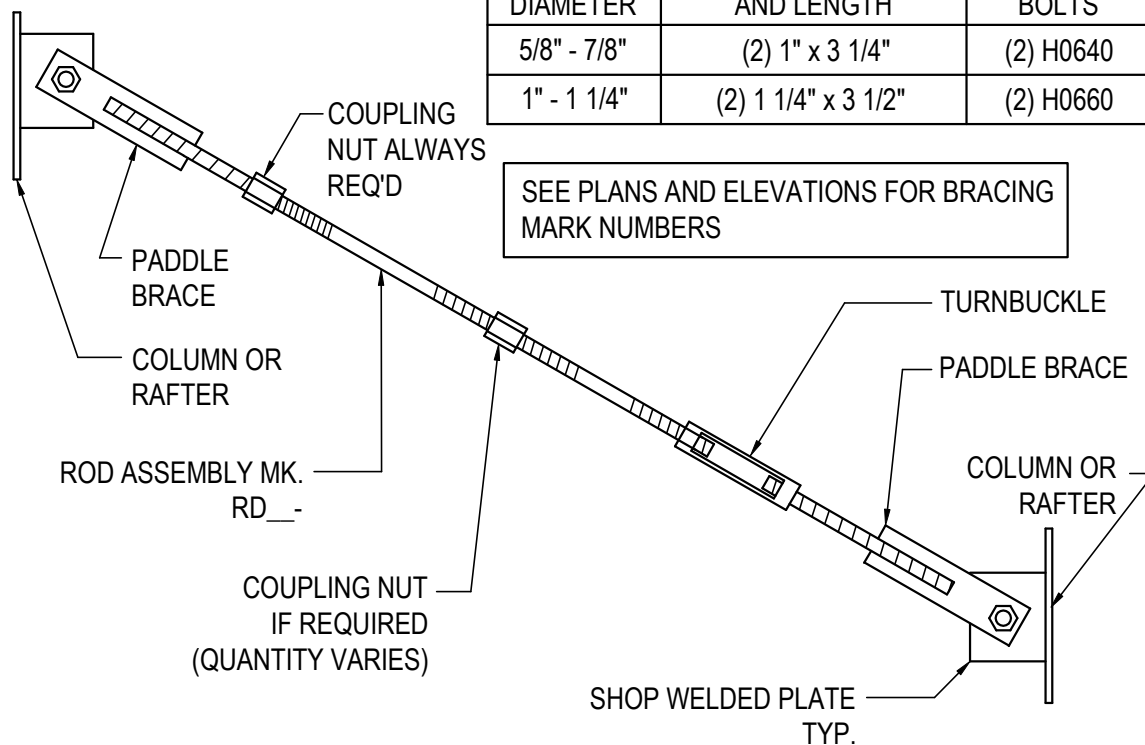
AF0030 - ROD BRACE DETAIL (PADDLE BRACE TO PADDLE BRACE)

[Download the DWG file by clicking here.](#)

ROD DIAMETER	MARK NUMBER	TURNBUCKLES	COUPLING NUTS (QTY. VARIES)	PADDLE BRACE (AT TURNBUCKLE)	PADDLE BRACE (AT COUPLING NUT)
5/8" Ø	RD05-	(1) H0715	H0810	(1) BCS02	(1) BCS07
3/4" Ø	RD06-	(1) H0725	H0820	(1) BCS03	(1) BCS08
7/8" Ø	RD07-	(1) H0735	H0830	(1) BCS04	(1) BCS09
1" Ø	RD08-	(1) H0745	H0840	(1) BCL05	(1) BCL06
1 1/8" Ø	RD09-	(1) H0755	H0850	(1) BCL01	(1) BCL03
1 1/4" Ø	RD10-	(1) H0765	H0860	(1) BCL02	(1) BCL04

PADDLE BRACE BOLT AND NUT PART NUMBERS

ROD DIAMETER	BOLT DIAMETER AND LENGTH	A325 BOLTS	A325 NUTS
5/8" - 7/8"	(2) 1" x 3 1/4"	(2) H0640	(2) H0330
1" - 1 1/4"	(2) 1 1/4" x 3 1/2"	(2) H0660	(2) H0340



ROD BRACE DETAIL

PADDLE BRACE TO PADDLE BRACE

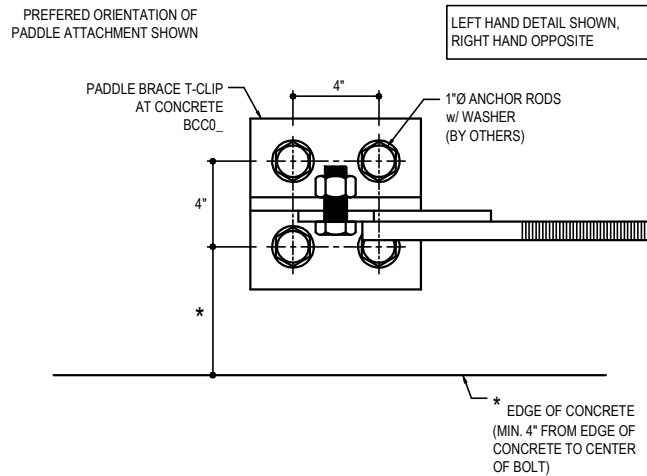
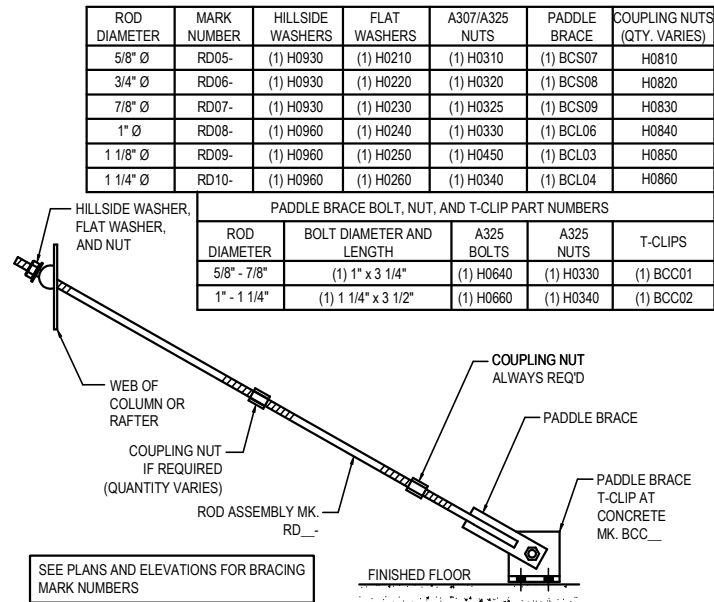
AF0030

Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.
- 2) FOR BCP AND BCH STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

AF0040 - ROD BRACE DETAIL (WEB TO FLOOR)

[Download the DWG file by clicking here.](#)



ROD BRACE W/ PADDLE DETAIL
WEB CONNECTION TO FLOOR

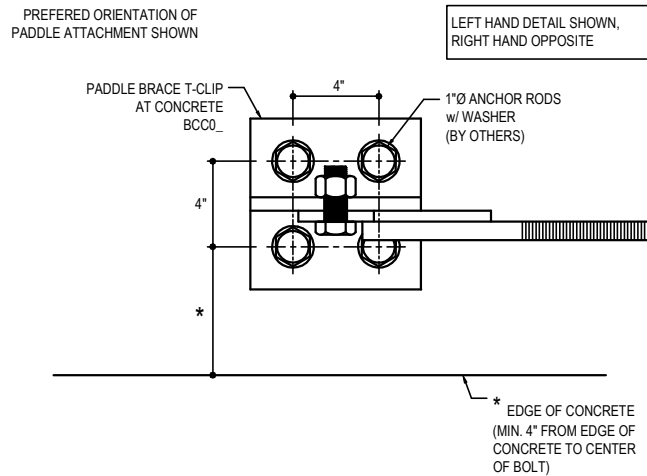
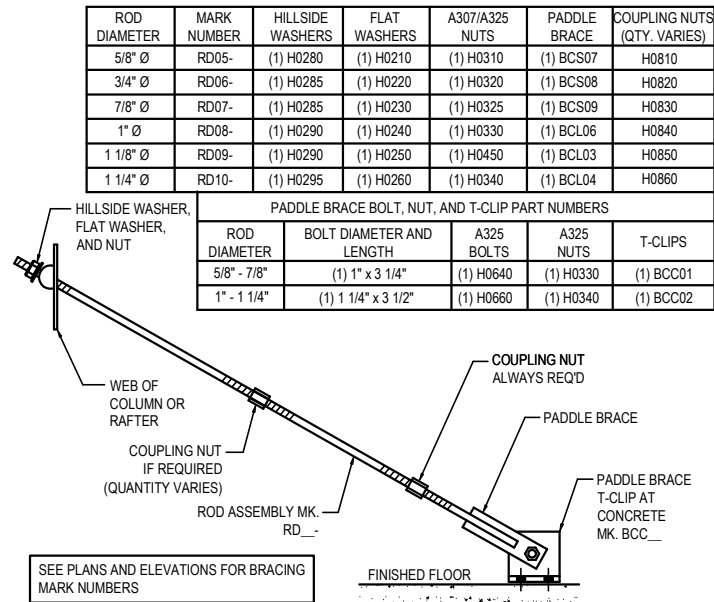
AF0040

Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.

AF0041 - ROD BRACE DETAIL (WEB TO FLOOR)

[Download the DWG file by clicking here.](#)



ROD BRACE W/ PADDLE DETAIL
WEB CONNECTION TO FLOOR

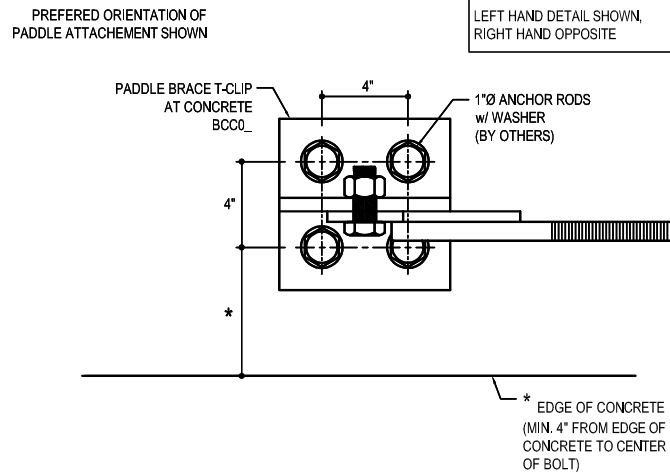
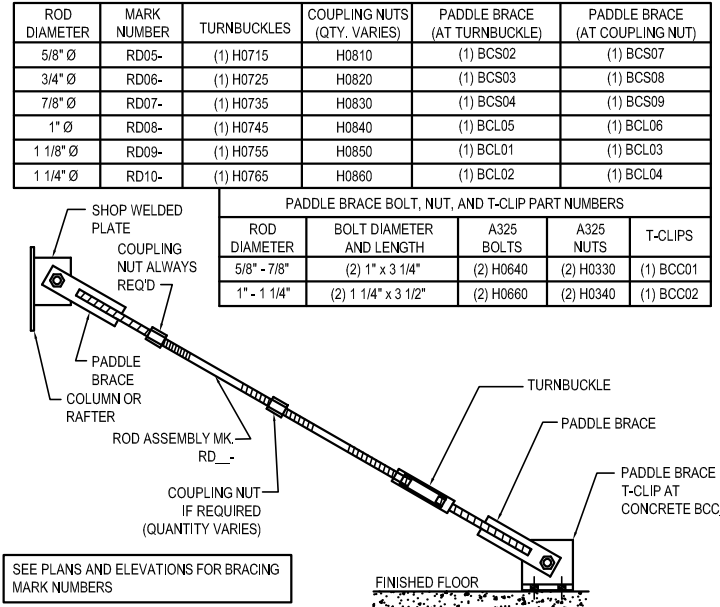
AF0041

Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.

AF0050 - ROD BRACE DETAIL (PADDLE BRACE TO FLOOR)

[Download the DWG file by clicking here.](#)



CLEVIS BRACE W/ PADDLE DETAIL
PADDLE BRACE TO FLOOR

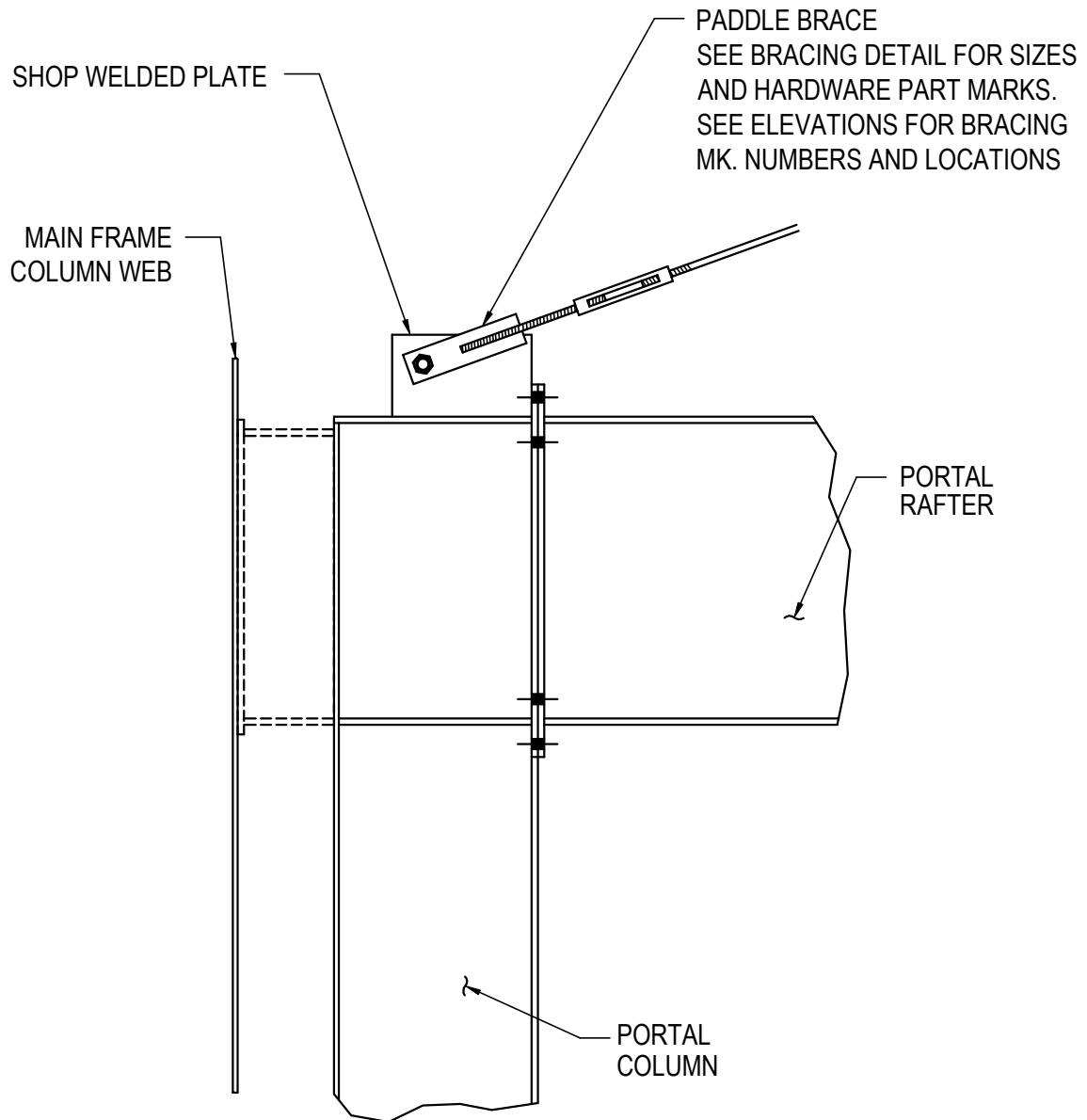
AF0050

Detailer Notes:

- 1) IF SPLICING TWO RODS TOGETHER COUPLING NUTS ARE REQUIRED. CHECK WITH YOUR SHOP FOR PRODUCTION LIMITATIONS FOR MAXIMUM/MINIMUM ROD LENGTHS.

AF0071 - PORTAL FRAME TIERED ROD BRACING

[Download the DWG file by clicking here.](#)



PORTAL FRAME TIERED ROD BRACING

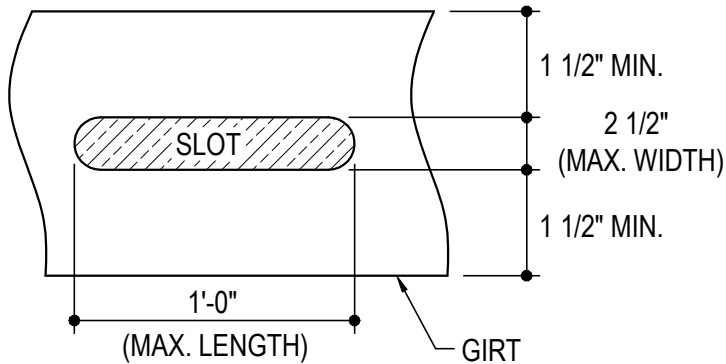
AF0071

Detailer Notes:

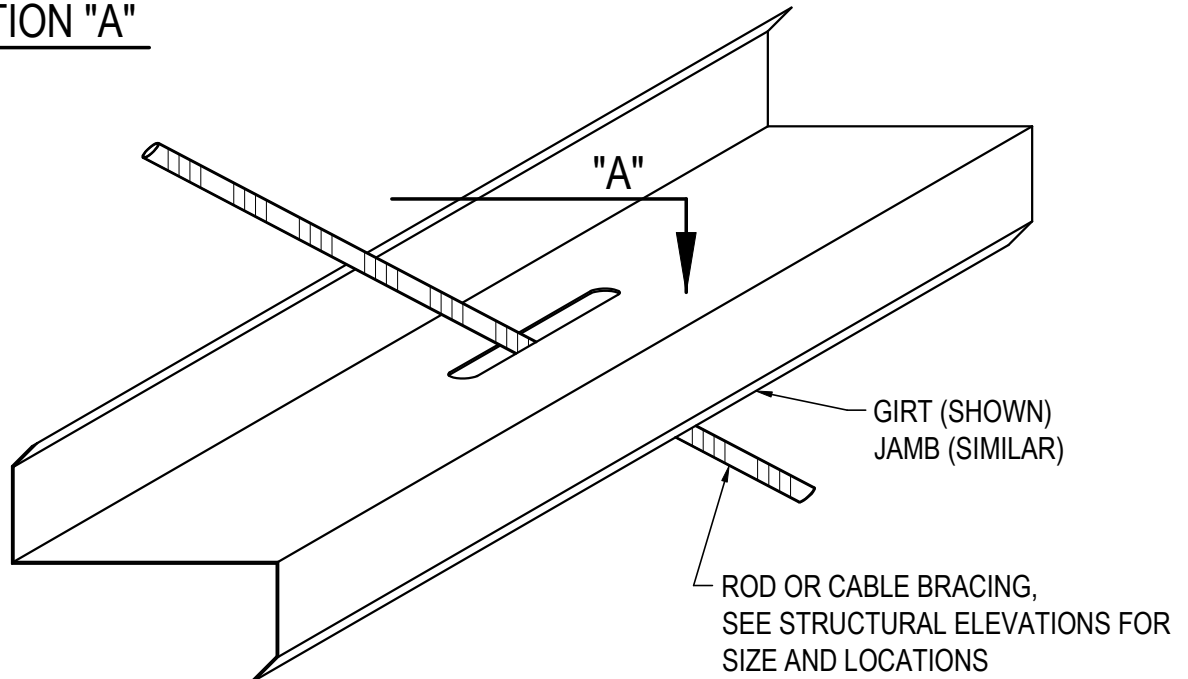
- 1) SHOP WELDED PLATE IS A BCH___. FOR STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

AF0080 - GUIDELINES FOR FIELD SLOTTING SECONDARY (WEBS AT INSET OR FLUSH CONDITION)

[Download the DWG file by clicking here.](#)



SECTION "A"



GUIDELINES FOR FIELD SLOTTING SECONDARY

WEBS AT INSET OR FLUSH CONDITION

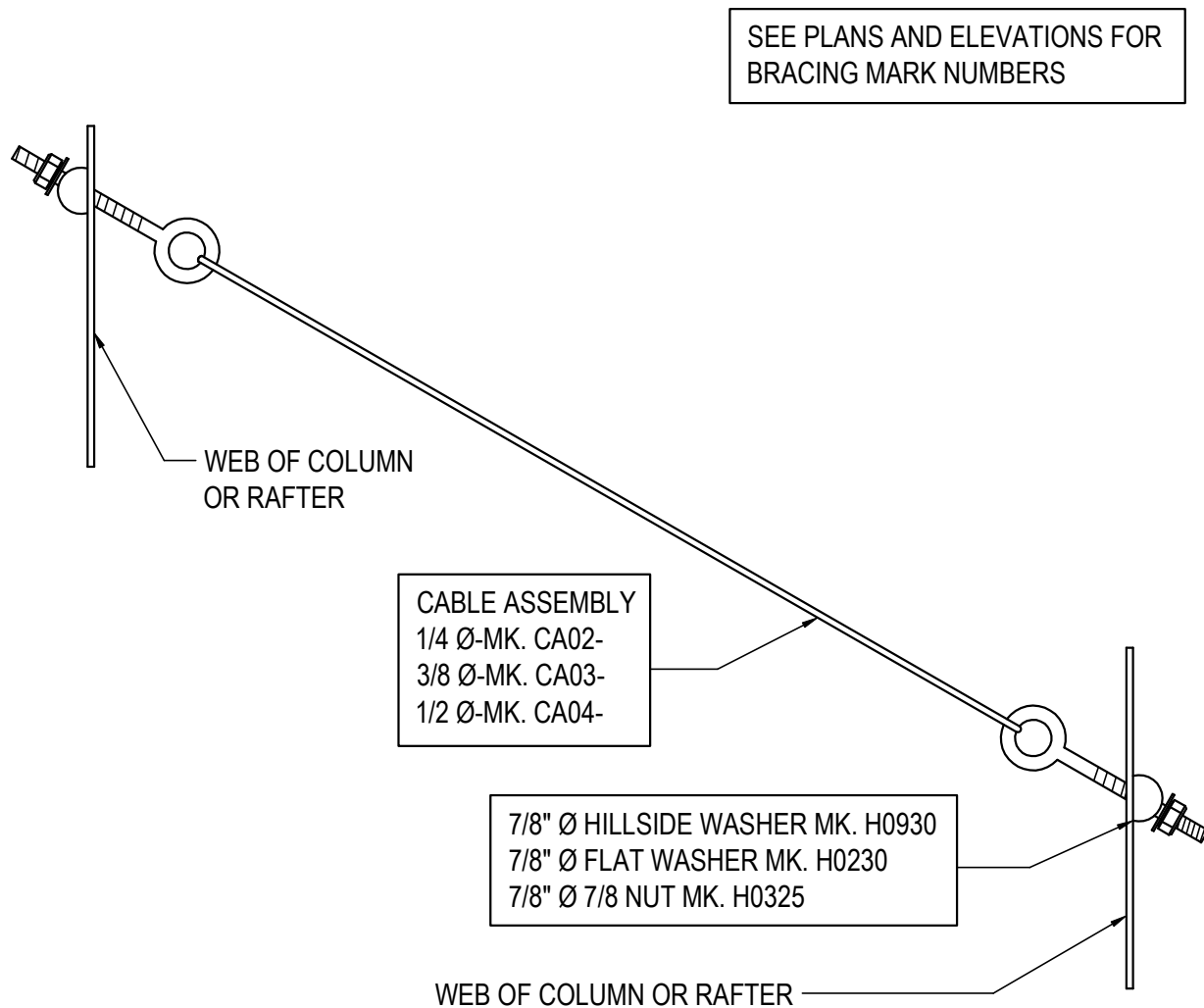
AF0080

Detailer Notes:

- 1) N/A

AF0710 - CABLE BRACE DETAIL (WEB TO WEB)

[Download the DWG file by clicking here.](#)



CABLE BRACE DETAIL

WEB TO WEB

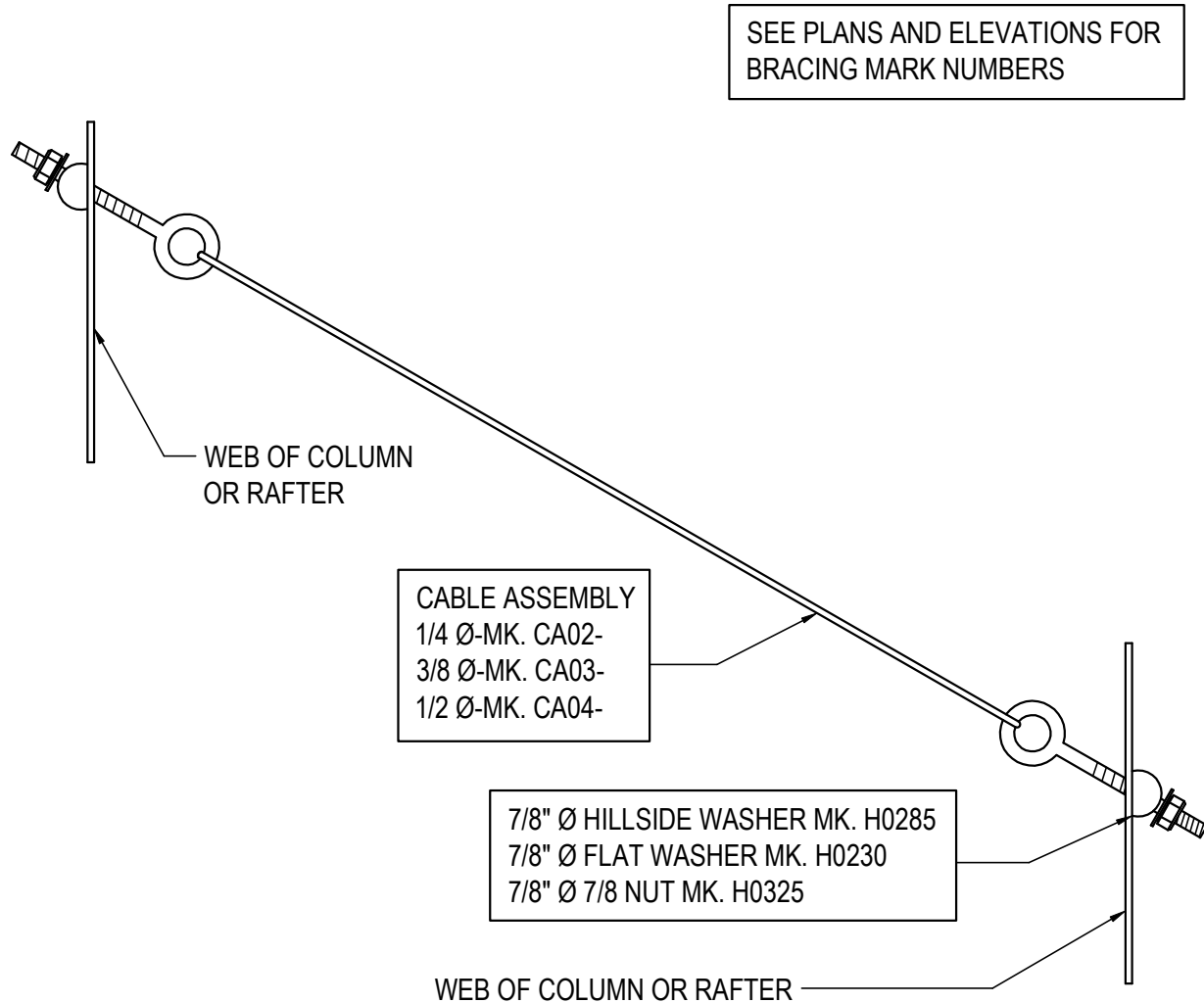
AF0710

Detailer Notes:

- 1) N/A

AF0711 - CABLE BRACE DETAIL (WEB TO WEB)

[Download the DWG file by clicking here.](#)



CABLE BRACE DETAIL

WEB TO WEB

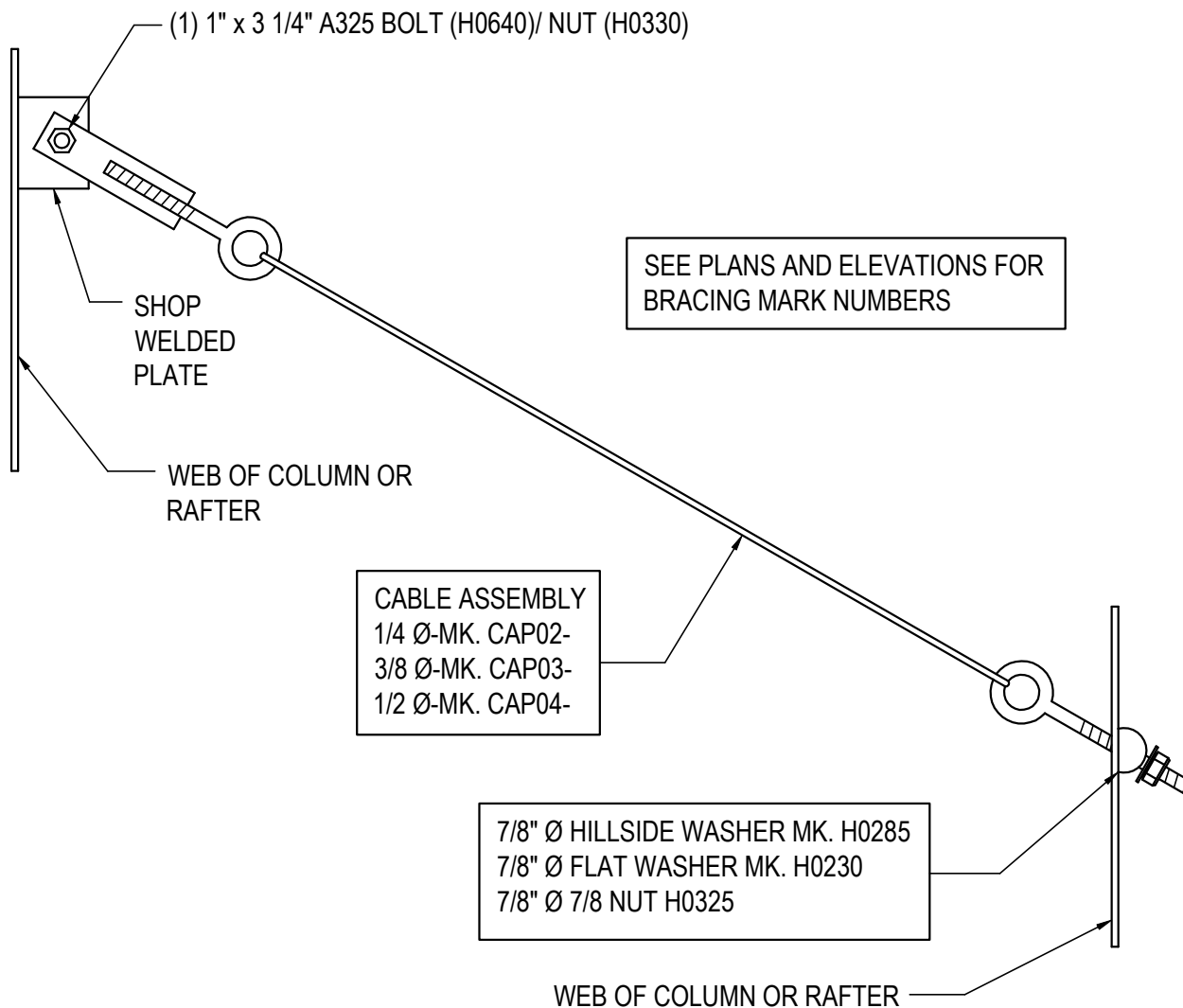
AF0711

Detailer Notes:

1) N/A

AF0721 - CABLE BRACE DETAIL (PADDLE BRACE TO WEB)

[Download the DWG file by clicking here.](#)



CABLE BRACE DETAIL

PADDLE BRACE TO WEB

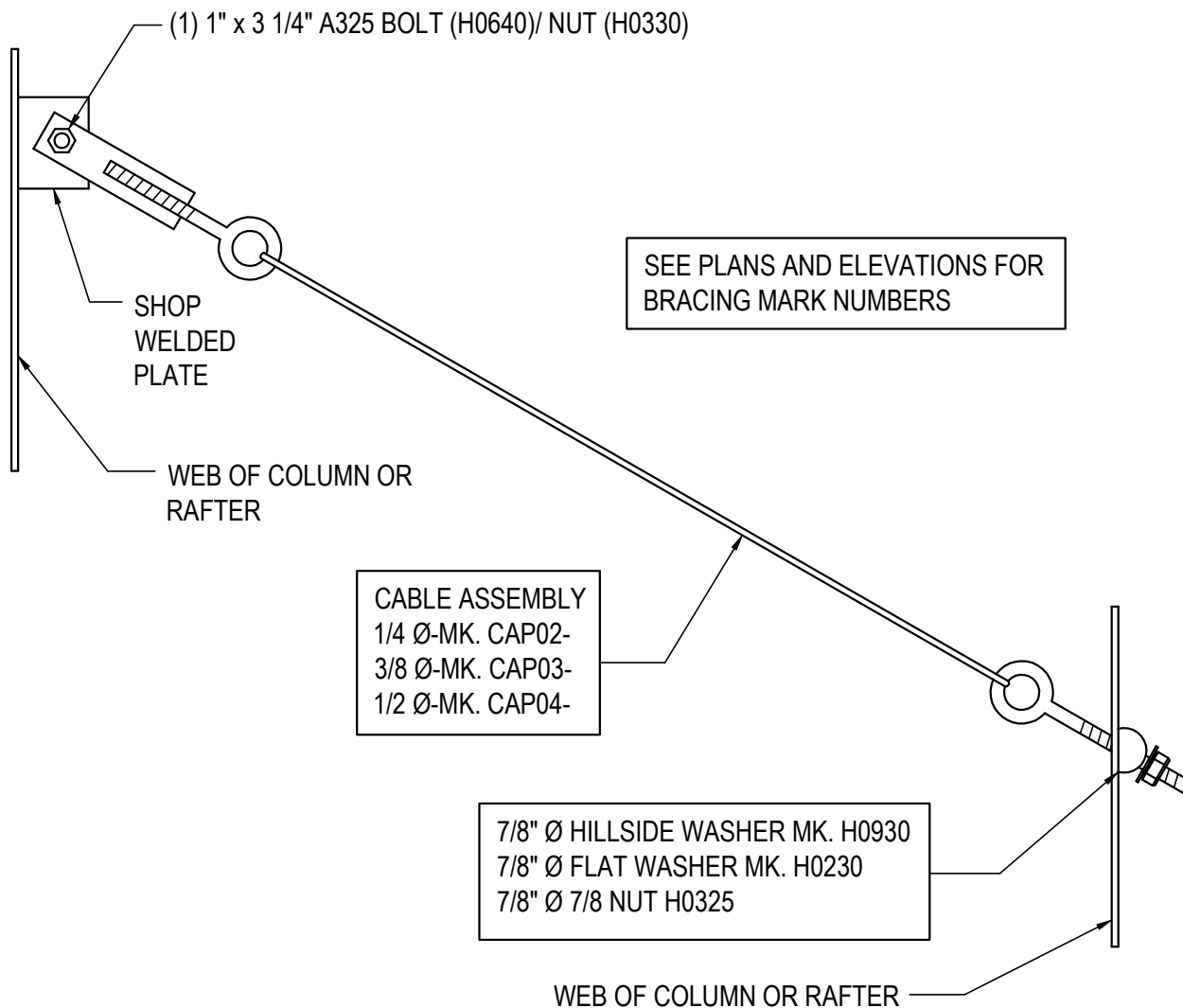
AF0721

Detailer Notes:

- 1) SHOP WELDED PLATE IS A BCP___. FOR STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

AF0720 - CABLE BRACE DETAIL (PADDLE BRACE TO WEB)

[Download the DWG file by clicking here.](#)



CABLE BRACE DETAIL

PADDLE BRACE TO WEB

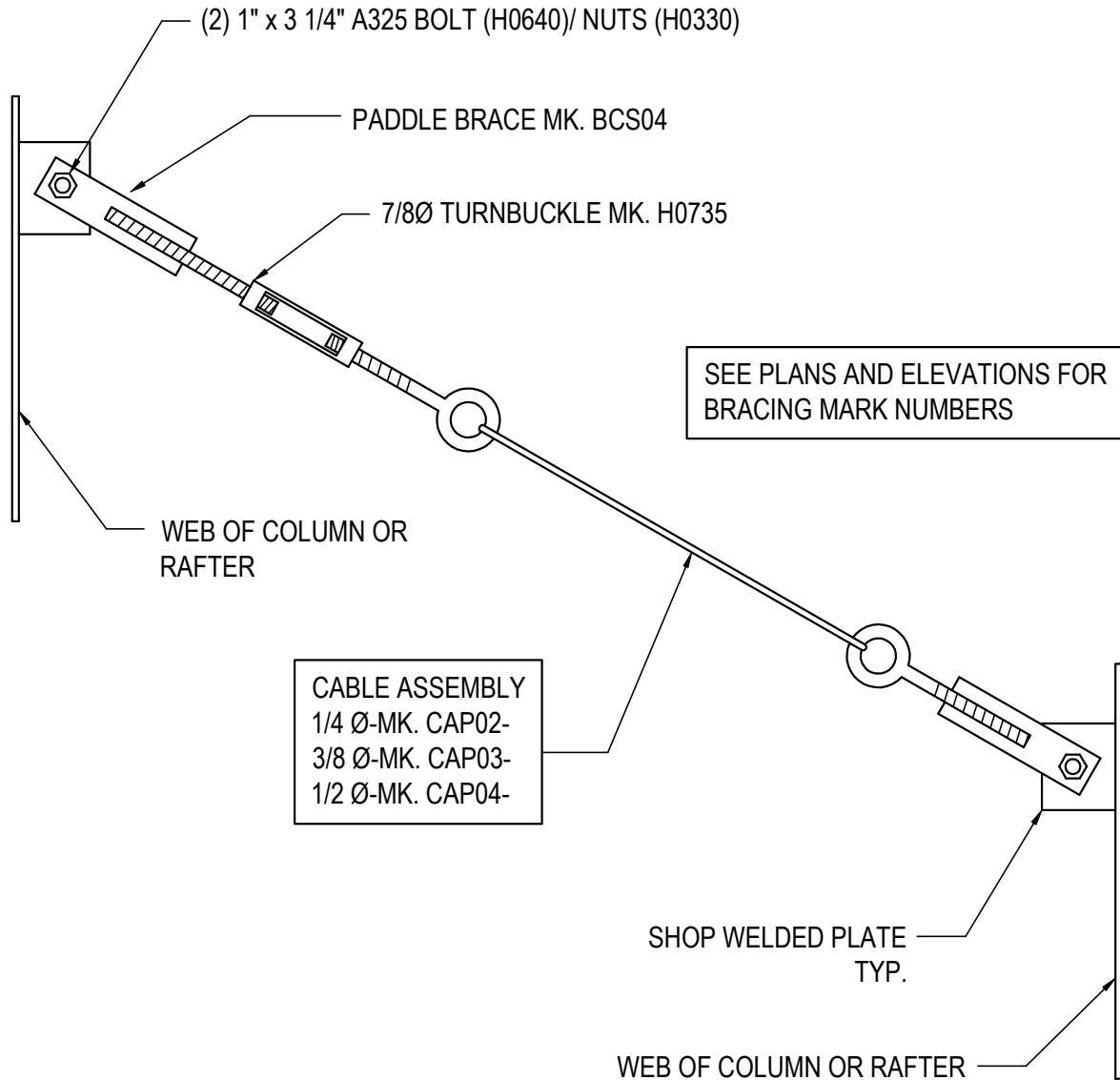
AF0720

Detailer Notes:

- 1) SHOP WELDED PLATE IS A BCP___. FOR STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.

AF0730 - CABLE BRACE DETAIL (PADDLE BRACE TO PADDLE BRACE)

[Download the DWG file by clicking here.](#)



CABLE BRACE DETAIL

PADDLE BRACE TO PADDLE BRACE

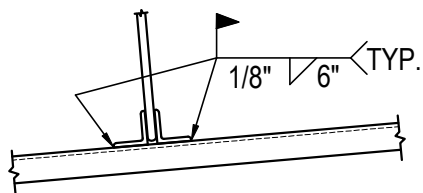
AF0730

Detailer Notes:

- 1) SHOP WELDED CLIP SHOWN IS A BCP01

AF0810 - WIND COLUMN BRACING DETAIL - LOWSIDE

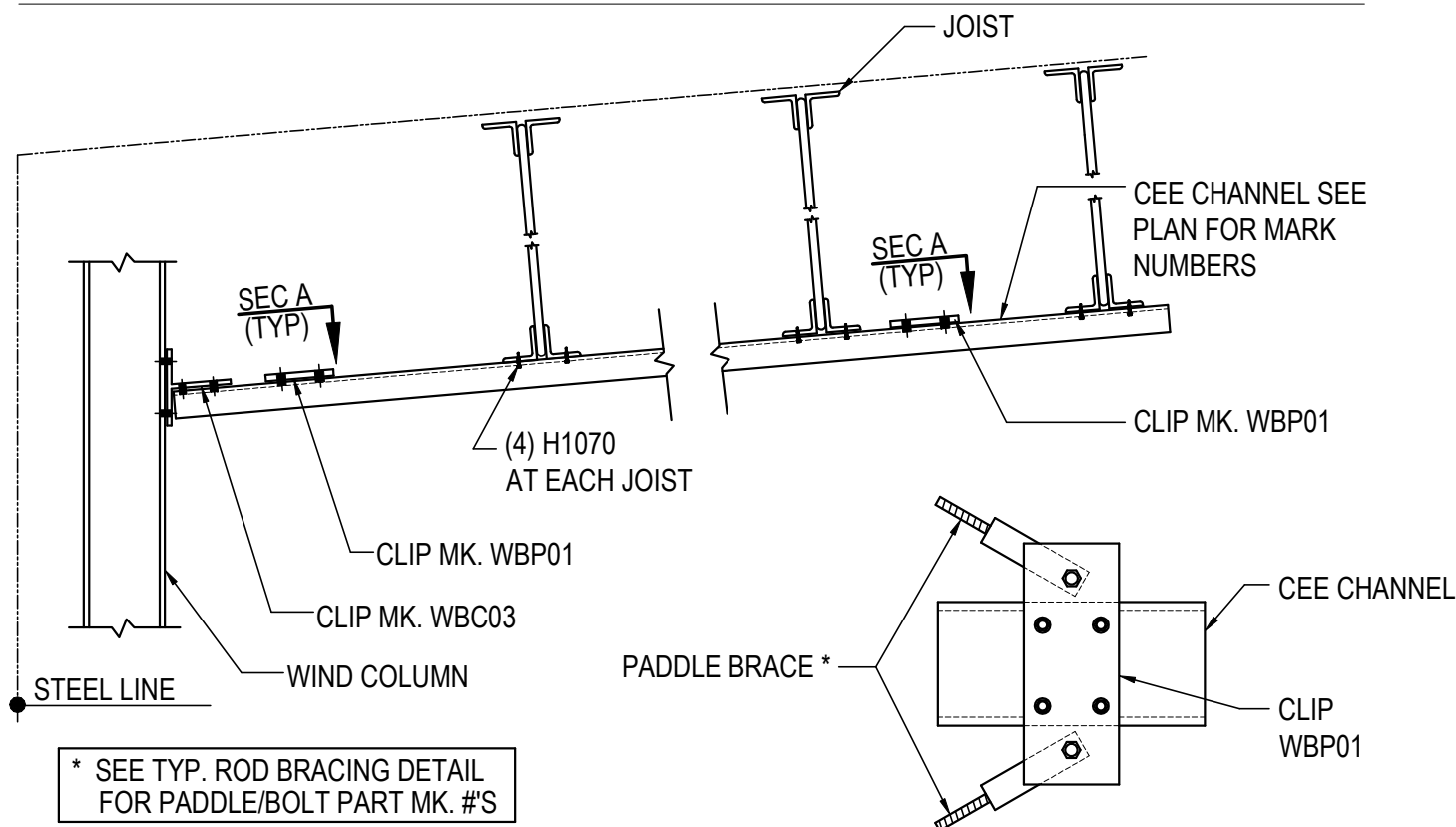
[Download the DWG file by clicking here.](#)



OPTIONAL FIELD WELD

ERECTOR NOTE:

ALL FIELD WELDS ARE TO BE IN ACCORDANCE WITH AWS SPECIFICATIONS AND ARE TO BE WELDED BY A CERTIFIED WELDER QUALIFIED FOR THE GIVEN APPLICATIONS.



* SEE TYP. ROD BRACING DETAIL FOR PADDLE/BOLT PART MK. #'S

NOTE:

USE (16) 1/2"X 2" A325 BOLTS H0603/ NUTS
H0300 AT CEE CHANNEL

SECTION "A"

WIND COLUMN BRACING DETAIL - LOWSIDE

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

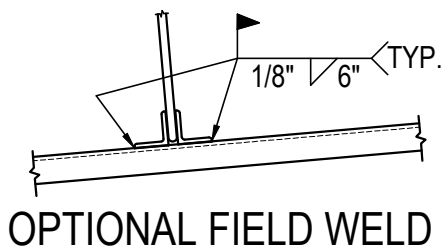
AF0810

Detailer Notes:

- 1) N/A

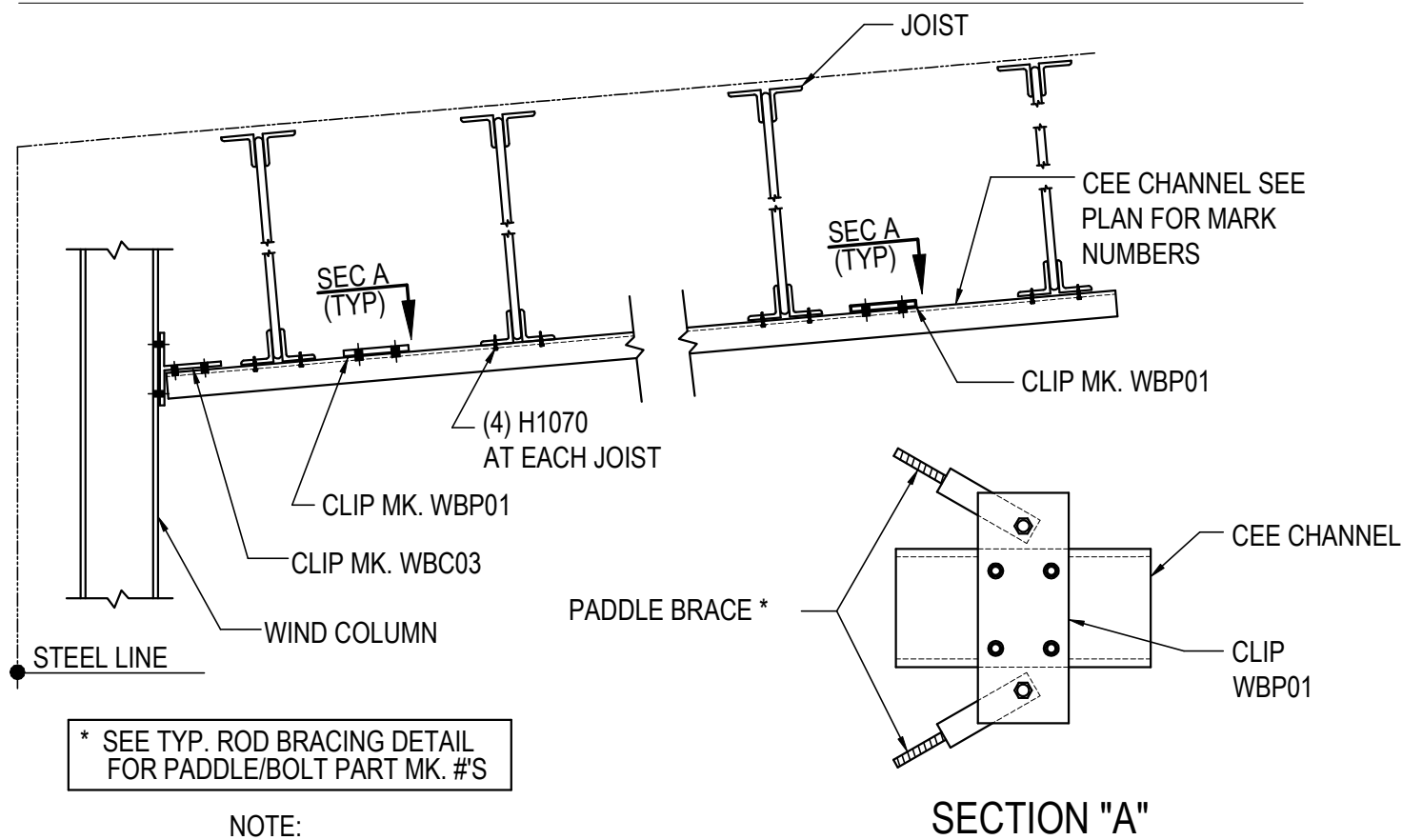
AF0815 - ALTERNATE WIND COLUMN BRACING DETAIL (USED WHEN JOIST ARE BETWEEN WBC03 & WBP01)

[Download the DWG file by clicking here.](#)



ERECTOR NOTE:

ALL FIELD WELDS ARE TO BE IN ACCORDANCE WITH AWS SPECIFICATIONS AND ARE TO BE WELDED BY A CERTIFIED WELDER QUALIFIED FOR THE GIVEN APPLICATIONS.



* SEE TYP. ROD BRACING DETAIL FOR PADDLE/BOLT PART MK. #'S

NOTE:
USE (16) 1/2"X 2" A325 BOLTS H0603/ NUTS
H0300 AT CEE CHANNEL

ALTERNATE WIND COLUMN BRACING DETAIL

USED WHEN JOIST ARE BETWEEN WBC03 AND WBP01
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

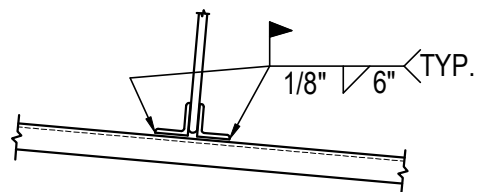
AF0815

Detailer Notes:

- 1) N/A

AF0820 - WIND COLUMN BRACING DETAIL - HIGHSIDE

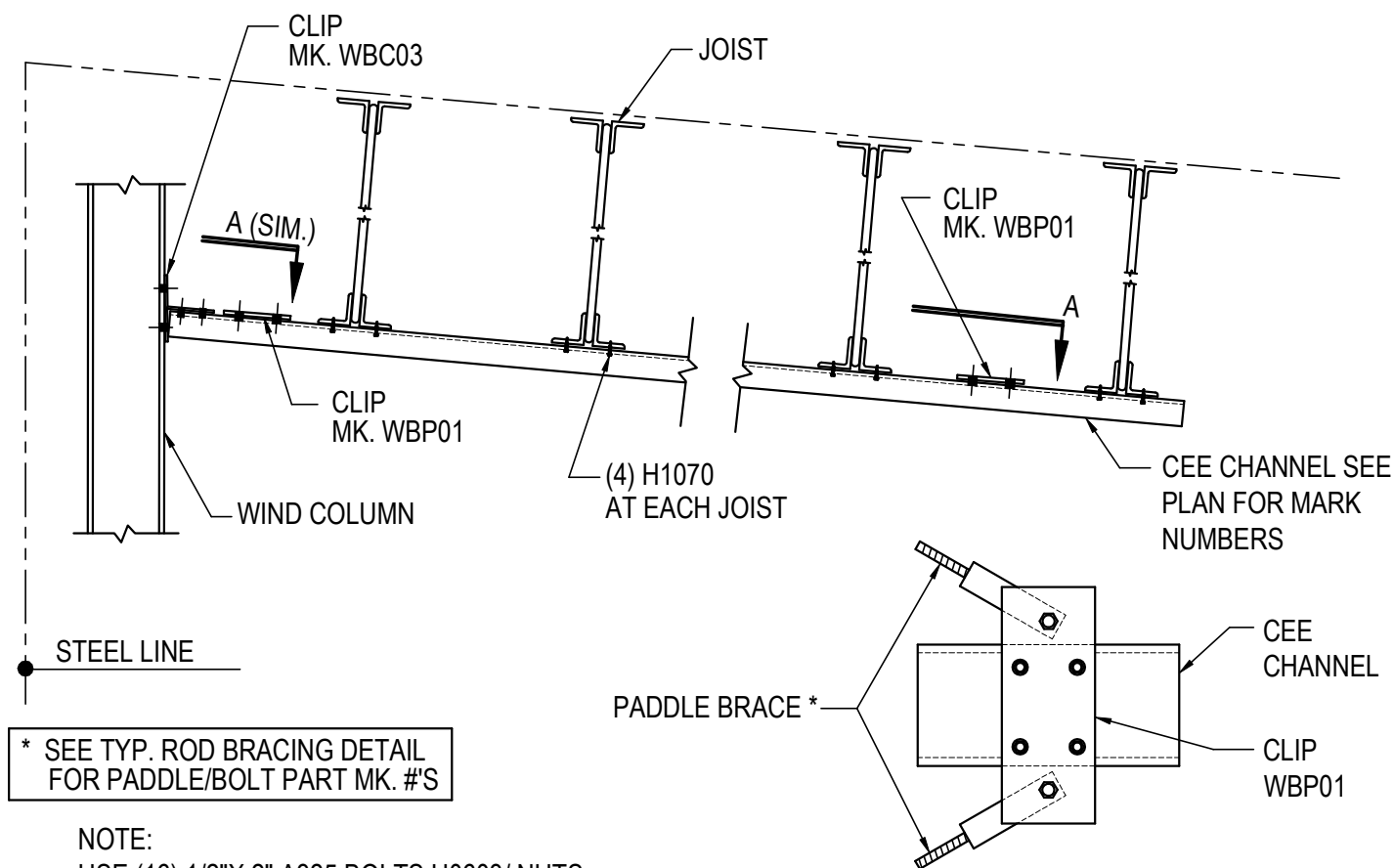
[Download the DWG file by clicking here.](#)



OPTIONAL FIELD WELD

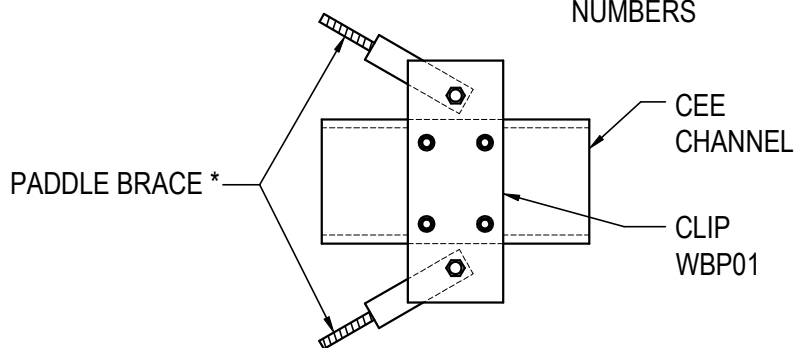
ERECTOR NOTE:

ALL FIELD WELDS ARE TO BE IN ACCORDANCE WITH AWS SPECIFICATIONS AND ARE TO BE WELDED BY A CERTIFIED WELDER QUALIFIED FOR THE GIVEN APPLICATIONS.



* SEE TYP. ROD BRACING DETAIL FOR PADDLE/BOLT PART MK. #'S

NOTE:
USE (16) 1/2" X 2" A325 BOLTS H0603/ NUTS
H0300 AT CEE CHANNEL



SECTION "A"

WIND COLUMN BRACING DETAIL - HIGHSIDE

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

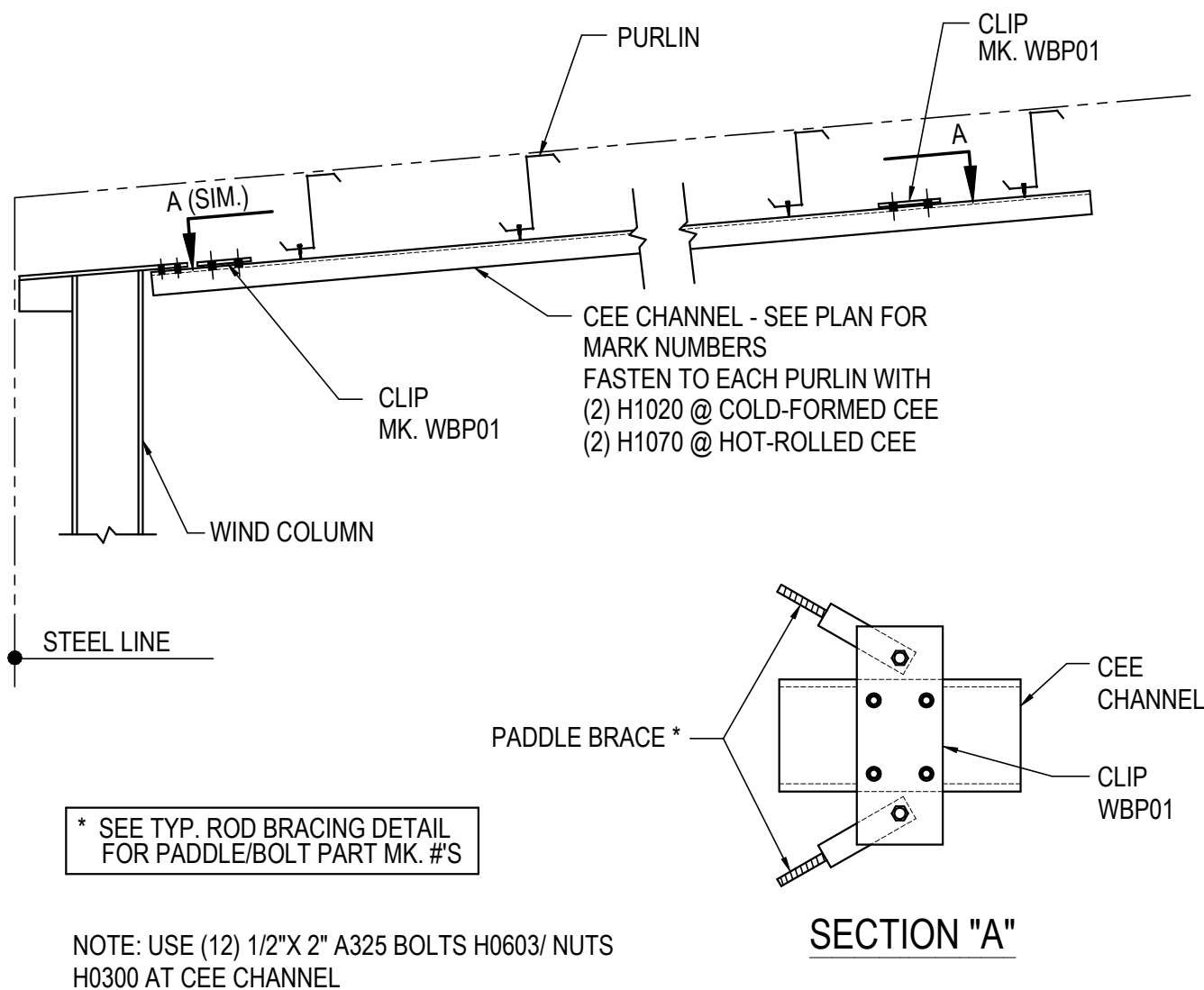
AF0820

Detailer Notes:

1) N/A

AF0830 - WIND COLUMN BRACING DETAIL - LOWSIDE WITH PURLINS

[Download the DWG file by clicking here.](#)



WIND COLUMN BRACING DETAIL - LOWSIDE WITH PURLINS

SEE PLANS & ELEVATIONS FOR MARK NUMBERS AND LOCATIONS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

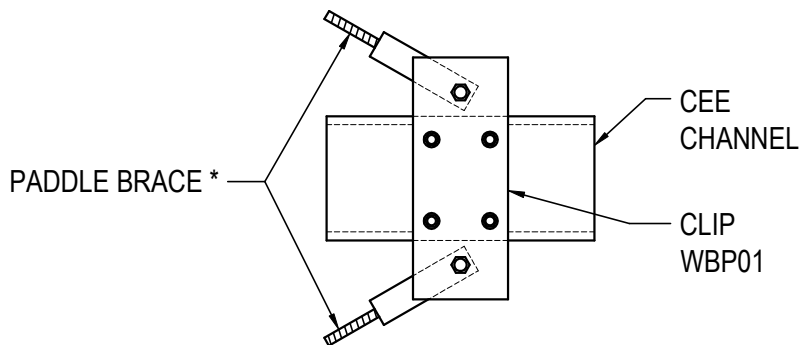
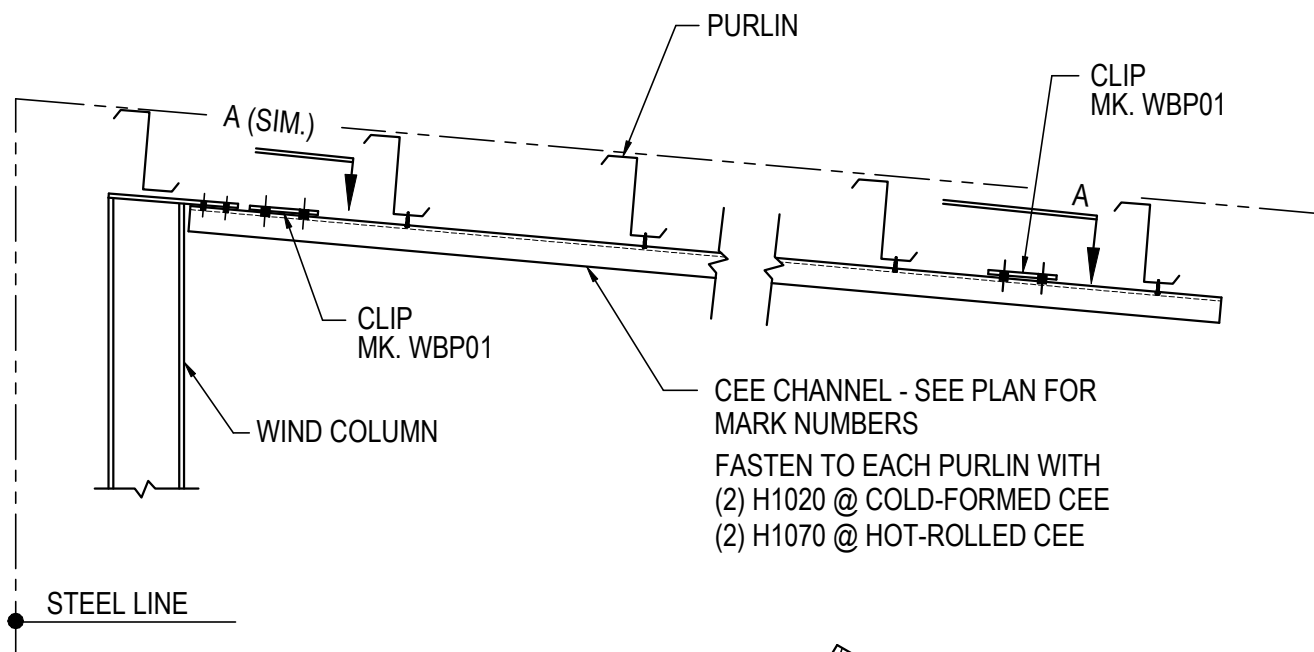
AF0830

Detailer Notes:

- 1) N/A

AF0840 - WIND COLUMN BRACING DETAIL - HIGHSIDE WITH PURLINS

[Download the DWG file by clicking here.](#)



* SEE TYP. ROD BRACING DETAIL FOR PADDLE/BOLT PART MK. #'S

NOTE: USE (12) 1/2"X 2" A325 BOLTS H0603/ NUTS H0300 AT CEE CHANNEL

SECTION "A"

WIND COLUMN BRACING DETAIL - HIGHSIDE WITH PURLINS

SEE PLANS & ELEVATIONS FOR MARK NUMBERS AND LOCATIONS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AF0840

Detailer Notes:

- 1) N/A