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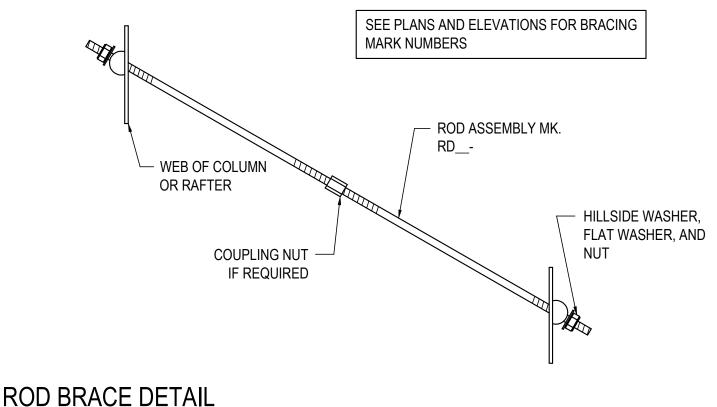


PRIMARY FRAMING

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
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



NOD BIXACL DETAIL

WEB TO WEB

(<u>AF0010</u>

Detailer Notes:

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

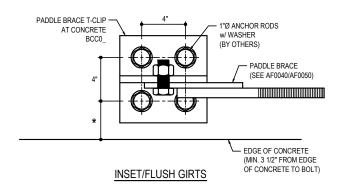
Revised : 03.25.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H) : 1 x 1



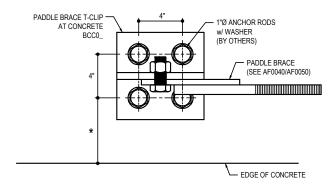
PRIMARY FRAMING

AF0011 - PADDLE BRACE TO FLOOR (FLOOR CONNECTION)

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FLUSH GIR	ts.	INSET GIRTS			
COL. ANCHOR ROD	* DIMENSION	COL. ANCHOR ROD	* DIMENSION		
3/4" Ø	3 1/2"	3/4" Ø	4"		
1" Ø	4"	1" Ø	5"		
1 1/4" Ø	4 1/2"	1 1/4" Ø	5 1/2"		



BYPASS GIRTS

8" BYPASS G	SIRTS	9 1/2" BYPASS	GIRTS	12" BYPASS GIRTS		
COL. ANCHOR ROD * DIMENSION		COL. ANCHOR ROD	* DIMENSION	COL. ANCHOR ROD	* DIMENSION	
3/4" Ø	11"	3/4" Ø	1'-0 1/2"	3/4" Ø	1'-3"	
1" Ø 1'-0"		1" Ø	1'-1 1/2"	1" Ø	1'-4"	
1 1/4" Ø	1'-0 1/2"	1 1/4" Ø	1'-2"	1 1/4" Ø	1'-4 1/2"	

PADDLE BRACE TO FLOOR

FLOOR CONNECTION

AF0011

Detailer Notes:

- 1) FOR BCC STANDARD PART MARKS AND THEIR LOCATIONS, SEE THE FABRICATED PARTS MANUAL AND THE DETAILING PROCEDURES MANUAL.
- COLUMN ANCHOR ROD IS BASED ON ROD CONNECTION AT COLUMN

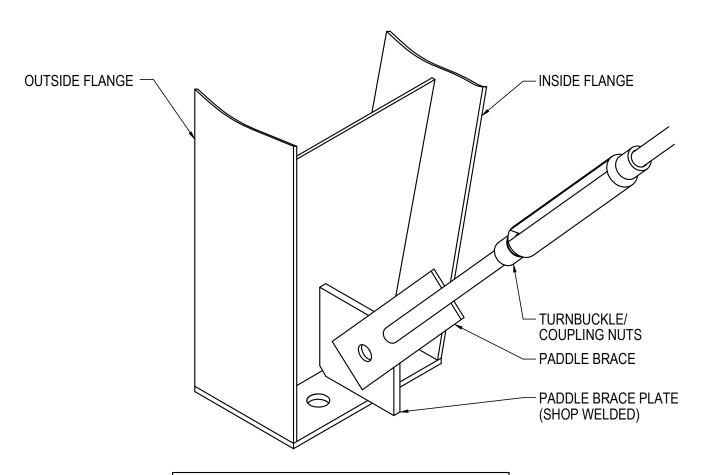
Revised: 03.26.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 2



PRIMARY FRAMING

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.

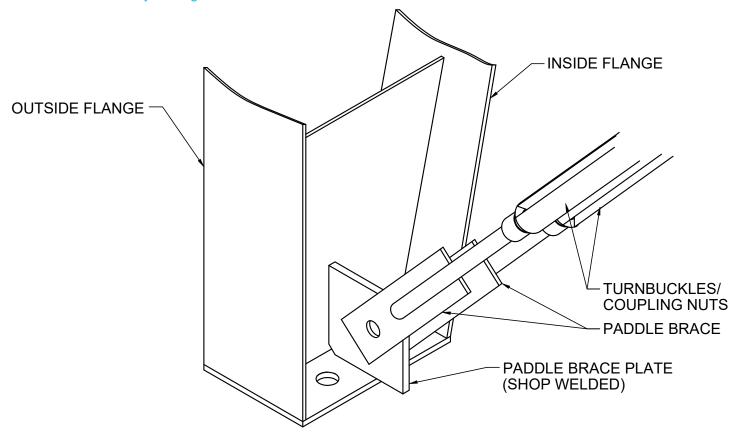
Revised: 04.30.20 (MR2020.005) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1



PRIMARY FRAMING

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.

Revised: 04.30.20 (MR2020.005) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1

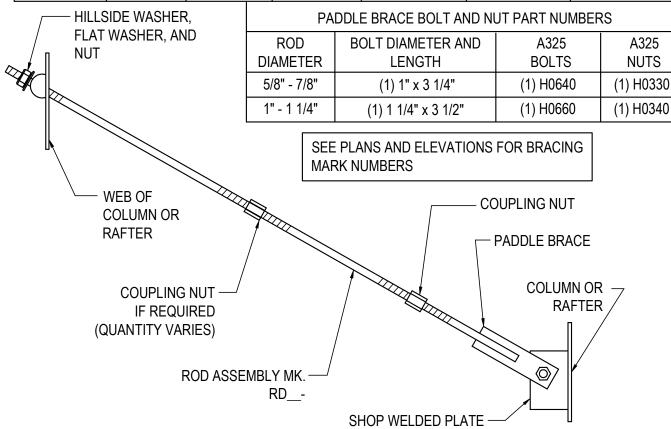


PRIMARY FRAMING

AF0020 - ROD BRACE DETAIL (PADDLE BRACE TO WEB)

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



ROD BRACE DETAIL

: 03.25.20 (MR2020.004)

PADDLE BRACE TO WEB

(AF0020)

Detail Size (W x H): 1 x 1

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.

Revised By: WME

Revised



PRIMARY FRAMING

AI 0030

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

Download the DWG file by clicking here.

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ROD DIAMETER	MARK NUMBER	TURNBUCKLES	COUPLING NUTS	PADDLE BRACE (AT TURNBUCKLE)		PADDLE BRACE (AT COUPLING NUT)	
5/8" Ø	RD05-	(1) H0715	H0810 (1) BCS02		(1) B	(1) BCS07	
3/4" Ø	RD06-	(1) H0725	H0820	(1) BCS03	(1) B	CS08	
7/8" Ø	RD07-	(1) H0735	H0830	(1) BCS04	(1) B	(1) BCS09	
1" Ø	RD08-	(1) H0745	H0840	(1) BCL05	(1) B	(1) BCL06	
1 1/8" Ø	RD09-	(1) H0755	H0850	(1) BCL01	(1) B	CL03	
1 1/4" Ø	RD10-	(1) H0765	H0860	(1) BCL02	(1) B	CL04	
			PADD	LE BRACE BOLT AND NU	T PART NUMBE	ERS	
п			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	
	PADDLE BRACE COLUMN RAFTER ROD ASSEMBLY			TL	JRNBUCKLE ADDLE BRACE COLUMN OR - RAFTER	7	
			SHOP	WELDED PLATE ——/ TYP.	и		
ROD E	BRACE D	ETAIL					
PADDLE B	RACE TO PADD	LE BRACE		(AFO	$\overline{030}$	

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.

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PRIMARY FRAMING

AF0040 - ROD BRACE DETAIL (WEB TO FLOOR)

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	ROD DIAMETER	MARK NUMBER		HILLSIDE ASHERS	FLAT WASHERS	/	A307/A325 NUTS	PADDLE BRACE	COUPLING NUTS	
	5/8" Ø	RD05-	_) H0930	(1) H0210		(1) H0310	(1) BCS07	(1) H0810	
	3/4" Ø	RD06-	+ `) H0930	(1) H0220	<u> </u>	(1) H0320	(1) BCS08	(1) H0820	
	7/8" Ø	RD07-	+ `) H0930	- ` ' - -		(1) H0325	(1) BCS09	(1) H0830	
	1" Ø	RD08-	 ` `) H0960	(1) H0240		(1) H0330	(1) BCL06	(1) H0840	
	1 1/8" Ø	RD09-	+ `	,) H0960	(1) H0250		(1) H0450	(1) BCL03	(1) H0850	
	1 1/4" Ø	RD10-	+ `) H0960	(1) H0260		(1) H0340	(1) BCL04	(1) H0860	
<i>г</i> — Н	LLSIDE WASHE	-R		,	L ACE BOLT, NU ⁻		, ,	, ,	()	
/ Fl	_AT WASHER,	-1', R(1	DIAMETER AND	•	A325	A325	T-CLIPS	
A A	ND NUT	DIAM		+	LENGTH	BOLTS		NUTS	I-CLIPS	
5/8" - 7/8" (1) 1" x 3 1/4" (1) H0640 (1) H0330 (1									(1) BCC01	
1" - 1 1/4" (1) 1 1/4" x 3 1/2" (1) H0660 (1) H0340 (1) BCC									(1) BCC02	
	WEB OF COLUMN OR RAFTER COUPLING NUT IF REQUIRED (QUANTITY VARIES) ROD ASSEMBLY MK. RD SEE PLANS AND ELEVATIONS FOR BRACING MARK NUMBERS COUPLING NUT PADDLE BRACE T-CLIP AT CONCRETE MK. BCC_									
ROD BI	RACE DE	TAIL	_					AF0	040	

Detailer Notes:

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

Revised: 03.25.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1



PRIMARY FRAMING

AF0050

AF0050 - ROD BRACE DETAIL (PADDLE BRACE TO FLOOR)

Download the DWG file by clicking here.

ROD DIAMETER	MARK NUMBER	TURNBUCKLES		COUPLING NUTS		DDLE BRACE TURNBUCKLE)	I	E BRACE PLING NUT)	
5/8" Ø	RD05-	(1) H0715	H0810	(1) BCS02		(1)	(1) BCS07	
3/4" Ø	RD06-	(1) H0725	H0820	(1) BCS03		(1)	(1) BCS08	
7/8" Ø	RD07-	(1) H0735	H0830	(1) BCS04		(1)	(1) BCS09	
1" Ø	RD08-	(1) H0745	H0840		(1) BCL05		(1) BCL06	
1 1/8" Ø	RD09-	(1) H0755	H0850	(1) BCL01		(1)	(1) BCL03	
1 1/4" Ø	RD10-	(1) H0765	H0860		(1) BCL02	(1)	BCL04	
			PA	DDLE BRACE BOL	Γ, NUT, <i>i</i>	AND T-CLIP PAF	RT NUMBERS		
PI	HOP WELDED LATE)	ROD DIAMETER	BOLT DIAMETER AND LENGTH		A325 BOLTS	A325 NUTS	T-CLIPS	
	PADD		5/8" - 7/8"	(1) 1" x 3 1/4"		(1) H0640	(1) H0330	(1) BCC01	
	BRAC	E	1" - 1 1/4"	(1) 1 1/4" x 3 1	/4" x 3 1/2" (1) H0660		(1) H0340	(1) BCC02	
RAFTI ROD /	ASSEMBLY MI RD_ COUPLING IF REQI (QUANTITY VA	C					, T	RACE PADDLE BRAC T-CLIP AT CONCRETE BO	
SEE PLANS AN MARK NUMBEF	_	S FOR	BRACING		HED FLC				
ROD BI	RACE DI	ETA	IL						

Detailer Notes:

PADDLE BRACE TO FLOOR

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

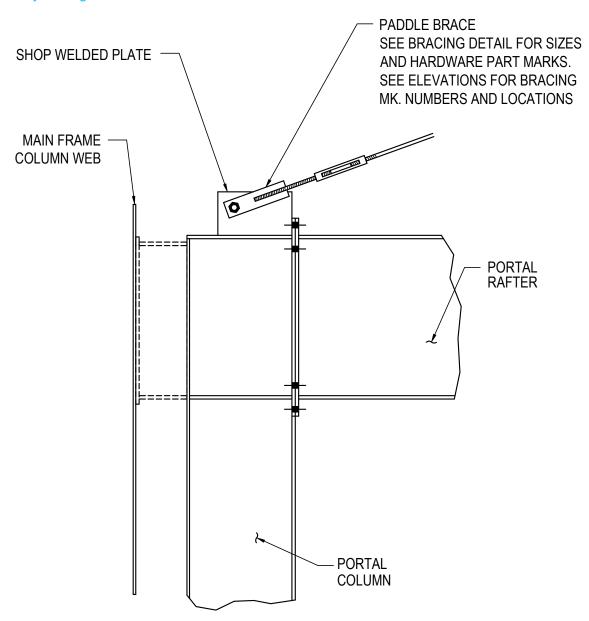
Revised: 03.25.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1



PRIMARY FRAMING

AF0071 - PORTAL FRAME TIERED ROD BRACING

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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.

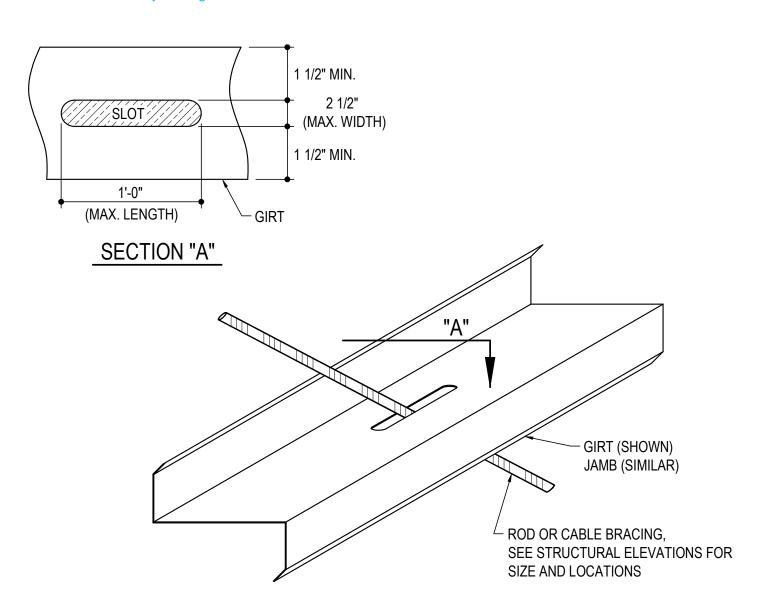
Revised : 03.26.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H) : 1 x 1



PRIMARY FRAMING

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

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GUIDELINES FOR FIELD SLOTTING SECONDARY

WEBS AT INSET OR FLUSH CONDITION

AF0080

Detailer Notes:

1) N/A

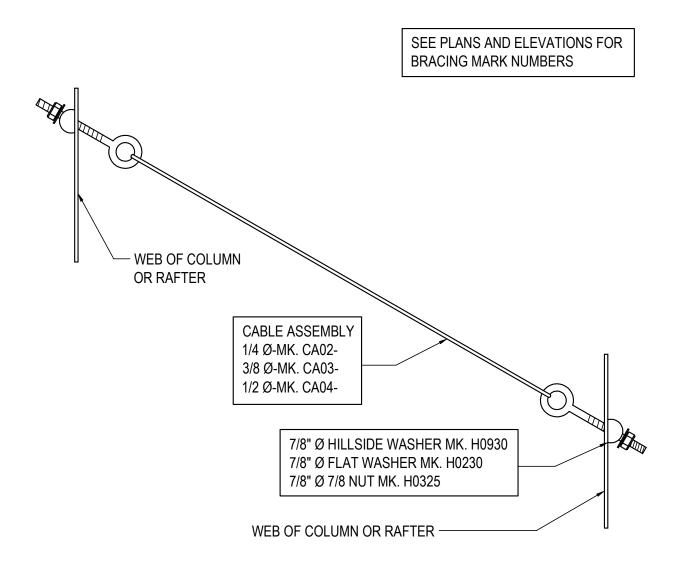
Revised: 03.26.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1



PRIMARY FRAMING

AF0710 - CABLE BRACE DETAIL (WEB TO WEB)

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CABLE BRACE DETAIL

WEB TO WEB

AF0710

Detailer Notes: 1) N/A

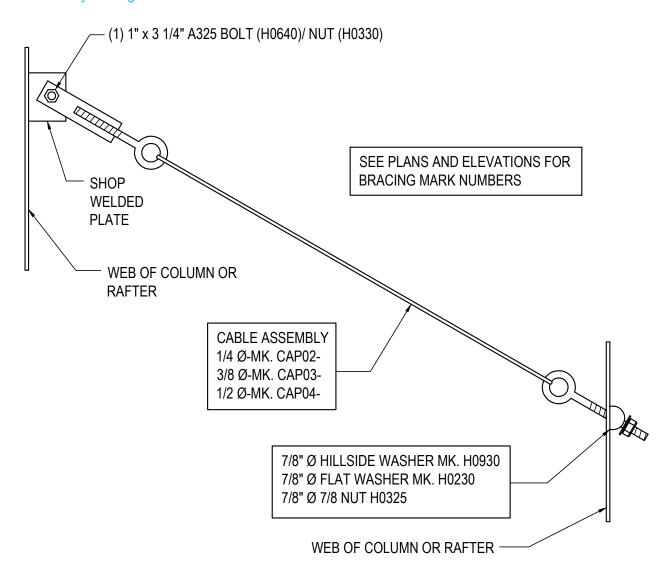
Revised : 03.26.20 (MR2020.004) Revised By : WME



PRIMARY FRAMING

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.

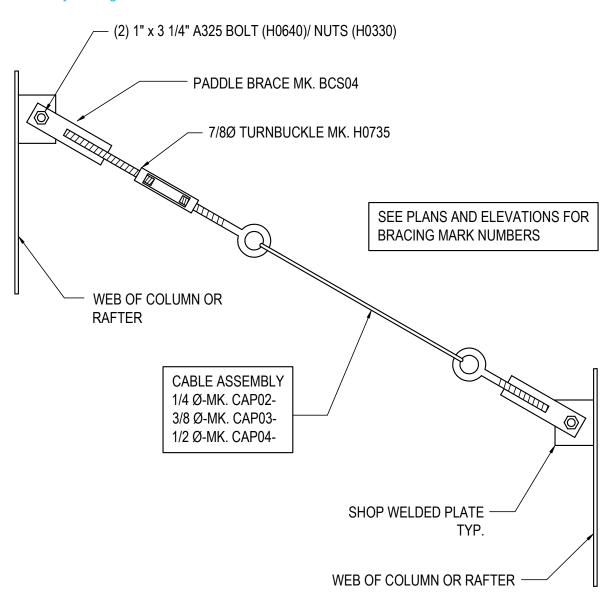
Revised: 03.26.20 (MR2020.004) **CERTIFIED ERECTION DETAILS** Detail Size (W x H): 1 x 1



PRIMARY FRAMING

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

Revised : 03.26.20 (MR2020.004) Revised By : WME **CERTIFIED ERECTION DETAILS**

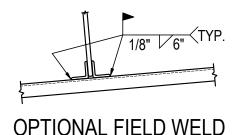
Detail Size (W x H): 1 x 1



PRIMARY FRAMING

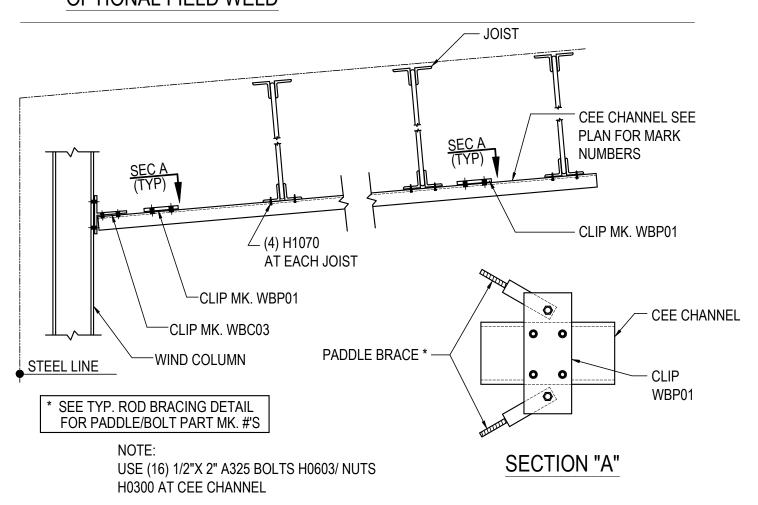
AF0810 - WIND COLUMN BRACING DETAIL - LOWSIDE

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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.



WIND COLUMN BRACING DETAIL - LOWSIDE

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AF0810

Detailer Notes:

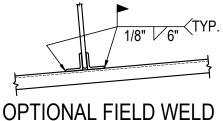
1) N/A

Revised : 03.26.20 (MR2020.004) **CERTIFIED ERECTION DETAILS** Detail Size (W x H): 1 x 1



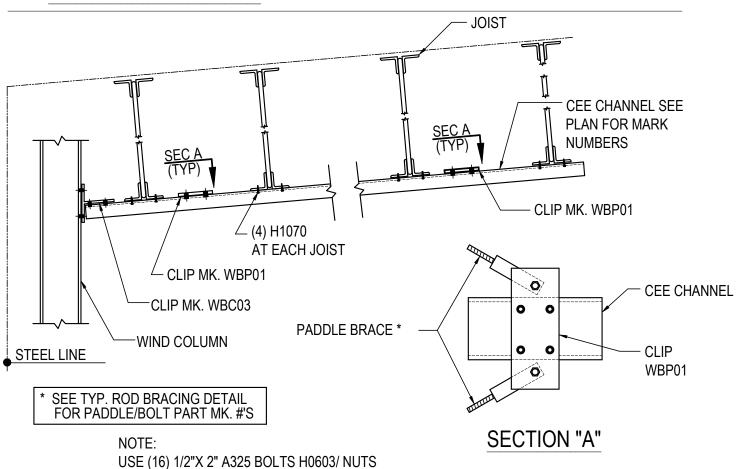
PRIMARY FRAMING

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.



ALTERNATE WIND COLUMN BRACING DETAIL

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

H0300 AT CEE CHANNEL

AF0815

Detailer Notes:

1) N/A

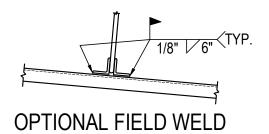
Revised : 03.26.20 (MR2020.004) **CERTIFIED ERECTION DETAILS** Detail Size (W x H): 1 x 1



PRIMARY FRAMING

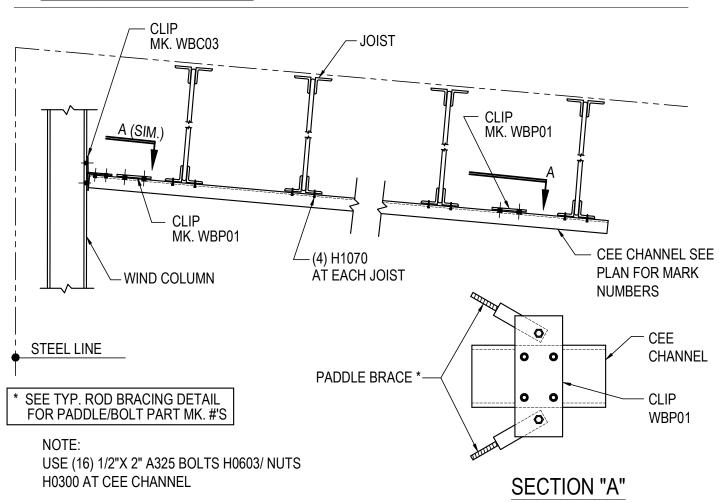
AF0820 - WIND COLUMN BRACING DETAIL - HIGHSIDE

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.



WIND COLUMN BRACING DETAIL - HIGHSIDE

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AF0820

Detailer Notes:

1) N/A

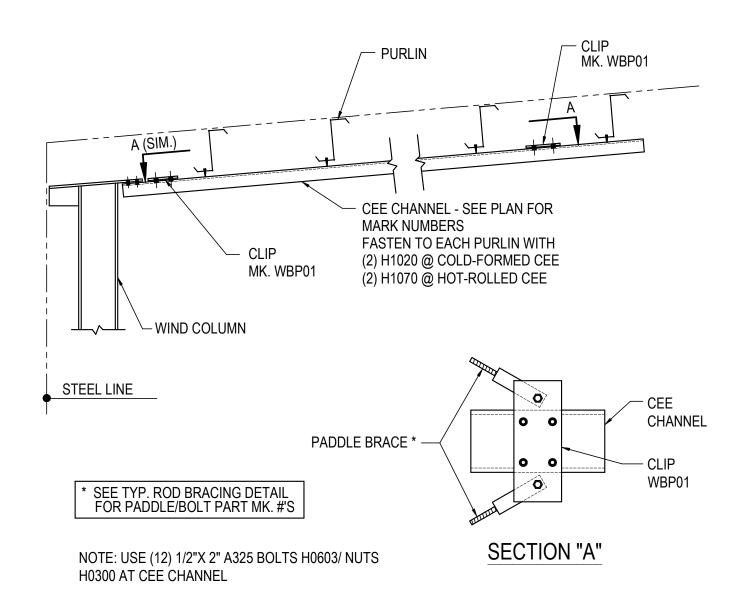
Revised: 03.26.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1



PRIMARY FRAMING

AF0830 - WIND COLUMN BRACING DETAIL - LOWSIDE WITH PURLINS

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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

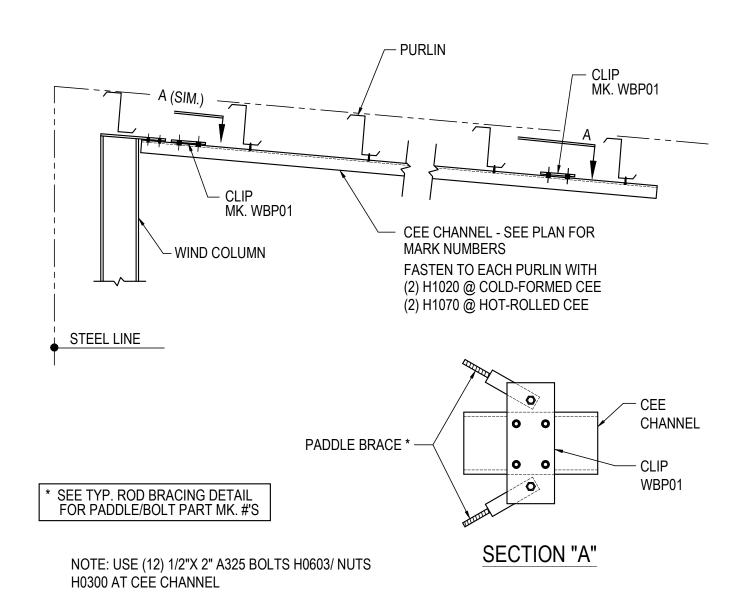
Revised: 03.26.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1



PRIMARY FRAMING

AF0840 - WIND COLUMN BRACING DETAIL - HIGHSIDE WITH PURLINS

Download the DWG file by clicking here.



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

Revised: 03.26.20 (MR2020.004) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1