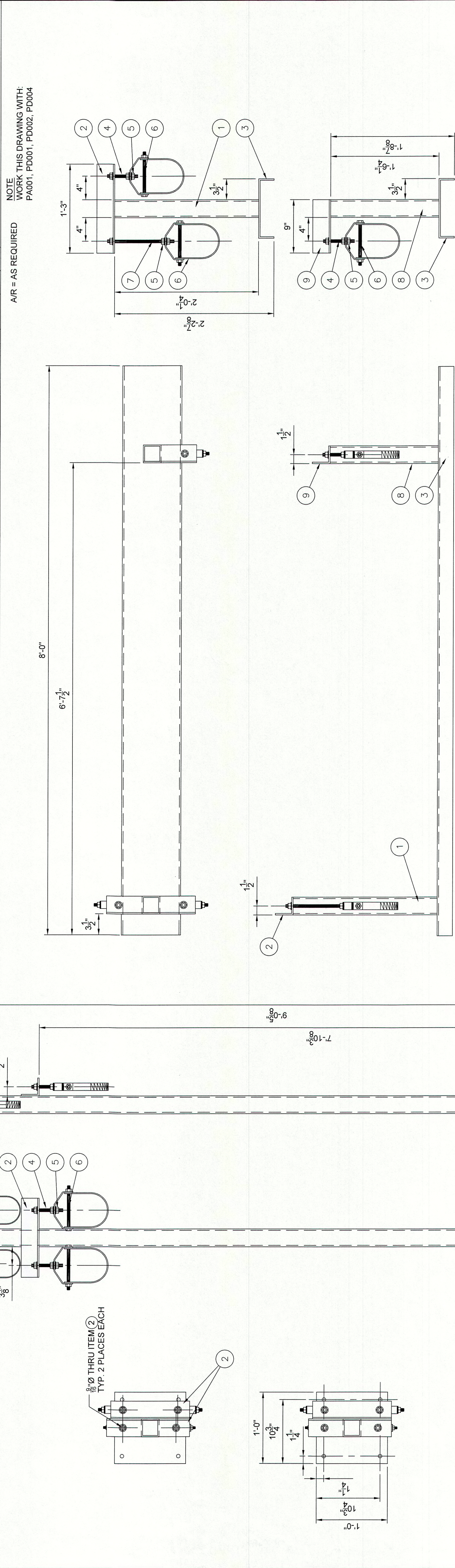


IDENTIFICATION				MATERIAL LIST				MATERIAL LIST			
ASSY	ITEM	QTY./ ASSY	DESCRIPTION	ASSY	ITEM	QTY./ ASSY	DESCRIPTION	ASSY	ITEM	QTY./ ASSY	DESCRIPTION
(E)	PIPE SUPPORT			(F)	PIPE SUPPORT			(F)	PIPE SUPPORT		
	QTY: 1				QTY: 1				QTY: 1		
	1	1	TUBE - TS3x1/4", 9'-0 1/8" LONG		1	1	TUBE - TS3x1/4", 2'-0 1/4" LONG		1	1	TUBE - TS3x1/4", 2'-0 1/4" LONG
	2	2	ANGLE - 3"x3"x1/4", 14" LONG		2	1	ANGLE - 3"x3"x1/4", 15" LONG		2	1	ANGLE - 3"x3"x1/4", 15" LONG
	3	1	PLATE - 12"x12"x1/2"		3	1	CHANNEL - C10, 8'-0" LONG		3	1	CHANNEL - C10, 8'-0" LONG
	4	4	ROD, SST. THREADED - 1/2"-13 x6"		4	2	ROD, SST. THREADED - 1/2"-13 x8"		4	2	ROD, SST. THREADED - 1/2"-13 x8"
	5	A/R	NUT, WASHER, SST., 1/2"-13 NC.		5	A/R	NUT, WASHER, SST., 1/2"-13 NC.		5	A/R	NUT, WASHER, SST., 1/2"-13 NC.
	6	2	HANGER, PIPE, 304 SST., 5 9/16" DIA., McMASTER CARR 3309T622, OR EQUAL		6	2	HANGER, PIPE, 304 SST., 5 9/16" DIA., McMASTER CARR 3309T622, OR EQUAL		6	2	HANGER, PIPE, 304 SST., 5 9/16" DIA., McMASTER CARR 3309T622, OR EQUAL
	7	2	HANGER, PIPE, 304 SST., 4 1/2" DIA., McMASTER CARR 3309T612, OR EQUAL		8	1	TUBE - TS3x1/4", 1'-6 1/4" LONG		8	1	TUBE - TS3x1/4", 1'-6 1/4" LONG
					9	1	ANGLE - 3"x3"x1/4", 9" LONG		9	1	ANGLE - 3"x3"x1/4", 9" LONG



THIS DRAWING

F PIPE SUPPORT FRAME

SCALE: 1 1/2"=1'-0"

STRUCTURAL NOTES - UNLESS OTHERWISE SPECIFIED:

1. ALL WIDE FLANGE SECTIONS ARE TO BE ASTM A992 STEEL.
2. ALL ANGLES, CHANNELS, AND PLATE SECTIONS ARE TO BE ASTM A36 STEEL. ALL STRUCTURAL TUBE SHAPES ARE TO BE ASTM A500 STEEL.
3. ALL WELDS ARE MADE WITH E70XX ELECTRODES.
4. ALL WELDS NOT SHOWN ARE 1/4" FILLET WELDS ALL AROUND.
5. ALL BOLTS ARE A325.
6. FABRICATOR TO SUPPLY ALL MATERIALS INCLUDING NUTS, BOLTS AND WASHERS.
7. PRIME AND PAINT CARBON STEEL VIONX SIGNAL WHITE, RAL 9003, OR GALVANIZE AFTER FABRICATION.
8. EQUIPMENT AND PIPE SUPPORT CONCRETE ANCHORS ARE HILTI DROP IN TYPE, OR EQUAL WITH GALVANIZED NUTS AND WASHERS
9. VOID ALL PRINTS BEARING PREVIOUS REVISION DATES.

THIS DRAWING SCALE: 1 1/2"=1'-0"

**NOTE**  
**WORK THIS DRAWING WITH:**

PA001, PD001, PD002, PD004, PB001,  
PB002, PB003, PB004, PB005, PB006

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**ISSUED FOR**  
**FABRICATION**  
**DATE: 15JAN2018**

REF. DWG.	<div>ISSUE</div> <div>A</div> <div>DATE</div> <div>15/JAN/2018</div> <div>BY</div> <div>JHH/OTI</div> <div>APPVD.</div> <div></div> <div>PROPRIETARY &amp; CONFIDENTIAL</div> <div>The design and detailed information illustrated on this document shall remain the exclusive property of an Optimization Company, and their contracted client. Use of this design and detailed information for purposes not specified by the terms of that contract is strictly prohibited.</div>	<div>UNLESS OTHERWISE NOTED:</div> <div>1) ALL DIMENSIONS ARE IN INCHES</div> <div>2) DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE</div> <div>3) TOLERANCES (NON ACCUMULATIVE):</div> <div>FGR. FABRICATION, SURFACES, WELDS, CUTS, DIMENSIONS, SAWCUT SURFACES, BENDS, ETC.</div> <div>DECIMAL 1 P.C. <math>\pm 0.3"</math></div> <div>DECIMAL 2 P.C. <math>\pm 0.1"</math></div> <div>DECIMAL 3 P.C. <math>\pm 0.05"</math></div> <div>FRACTIONAL ANGLES <math>\pm .5^\circ</math></div> <div>FRACTIONAL <math>\pm \frac{1}{16}"</math></div> <div>ANGLES <math>\pm 1'</math></div>	<div>11/15/18</div> <div></div> <div></div>	<div>* * * * *</div> <div>CUST. APPROVD.</div>	<div>PIPE SUPPORT DETAILS</div> <div>SHEET 2</div>	<div>DWG. SIZE</div> <div>D</div> <div>ISSUE</div> <div>A</div> <div>SHT 1 OF 1</div> <div>M17-1059</div> <div>DRAWING NO.</div> <div>PD003</div>	
							<div>DRAWN</div> <div>JHH/OTI</div> <div>DATE</div> <div>21NOV/2017</div> <div>OTI PROJECT NO.</div> <div>M17-1059</div>
							<div>CHECKED</div> <div></div> <div>DATE</div> <div></div>
							<div>APPROVED</div> <div></div> <div>DATE</div> <div></div>
							<div>SCALE NOTED</div>