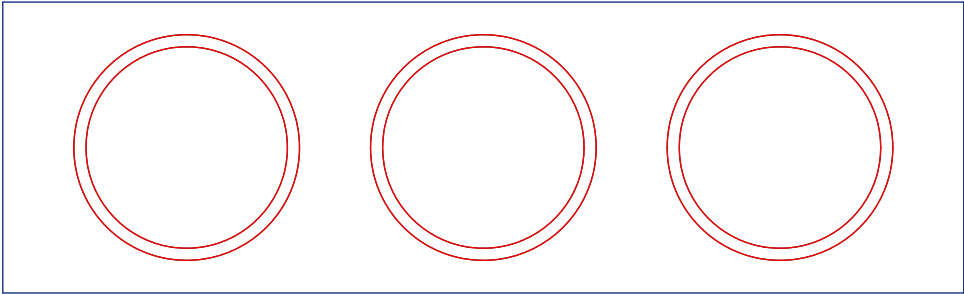


BOARDWALK

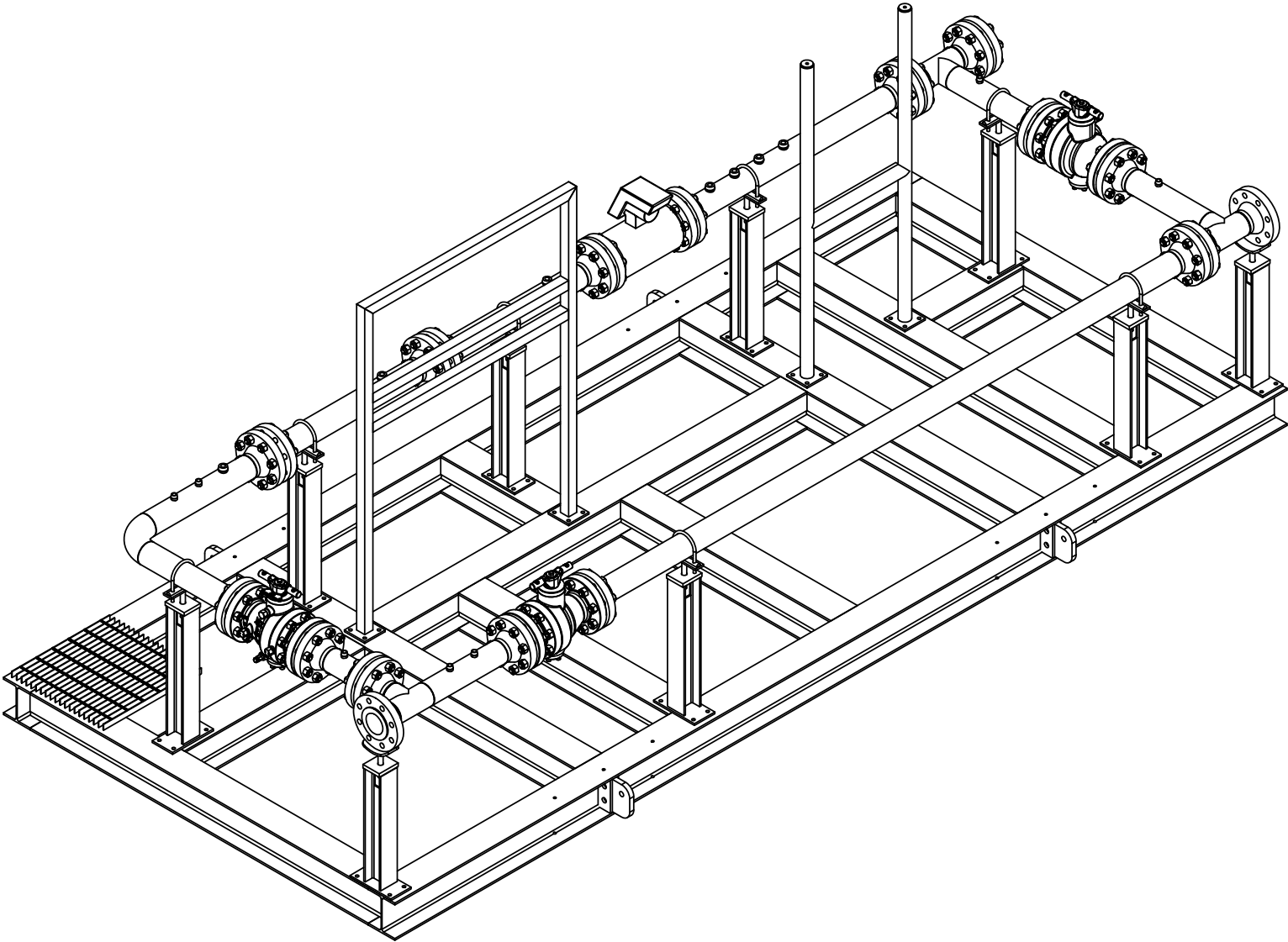


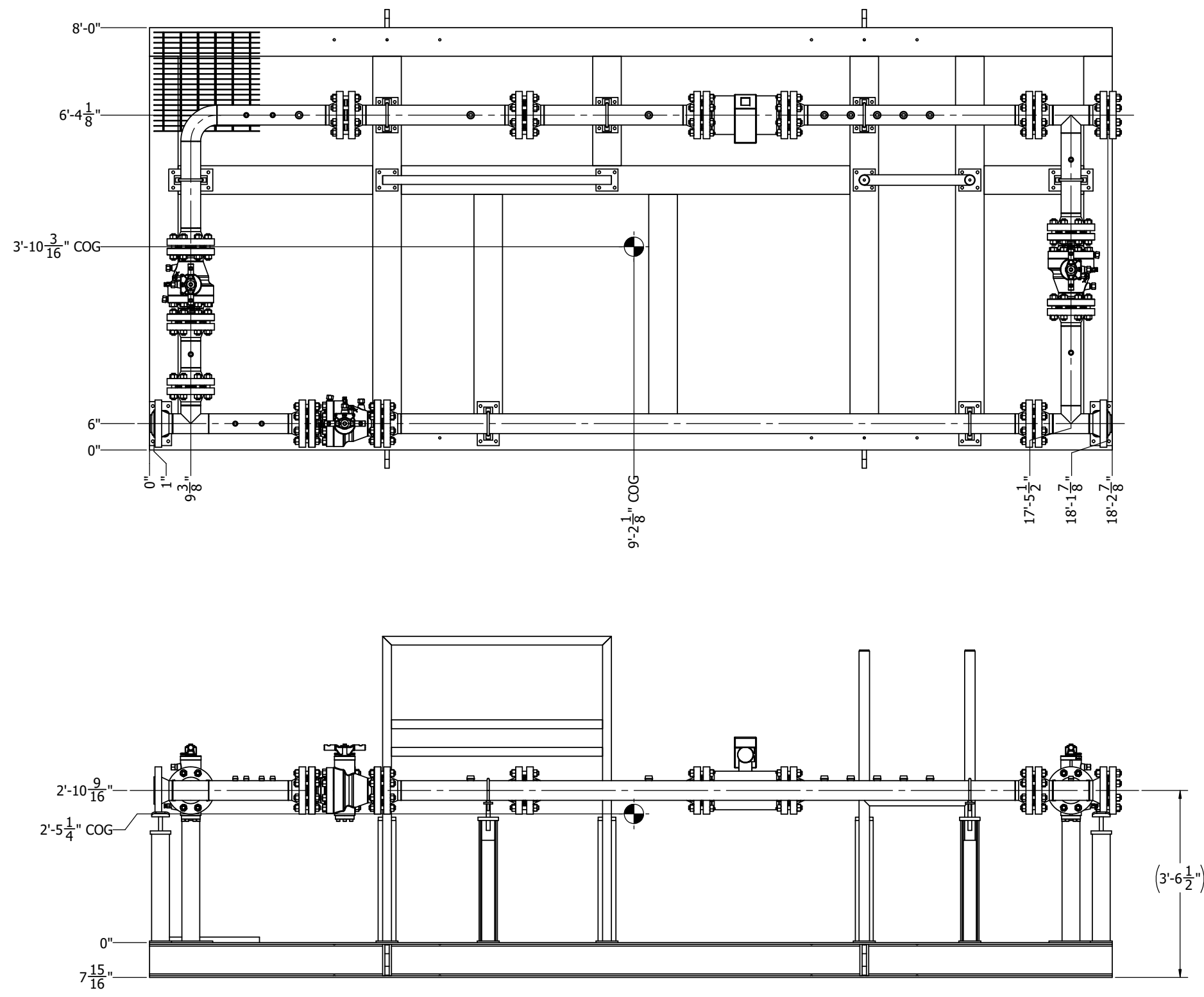
PIPELINE PARTNERS

FABRICATION PACKAGE
4 INCH METER SKID
GENERAL STANDARD REV. 0

KYMEA

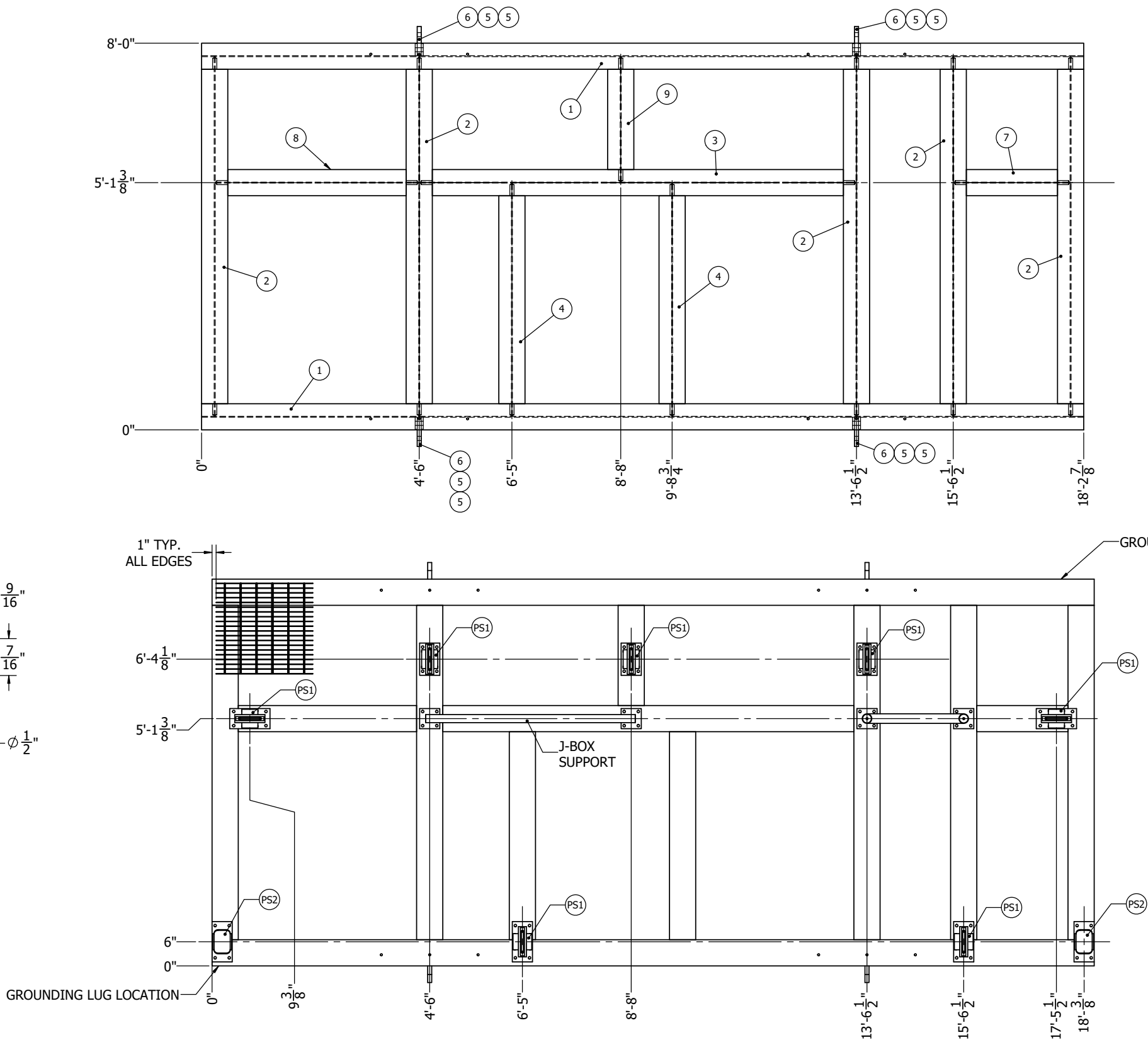
DRAWING INDEX		
DRAWING NO.	DESCRIPTION	REVISION
DRAWING INDEX & COVER SHEET		
BWP-SKM-0400	DRAWING INDEX & COVER SHEET	0
PIPING & INSTRUMENTATION DIAGRAM		
BWP-SKM-0401	PIPING & INSTRUMENTATION DIAGRAM	0
CIVIL & STRUCTURAL		
BWP-SKM-0402	SKID ASSEMBLY PLAN, SECTIONS, DETAILS & BILL OF MATERIALS	0
BWP-SKM-0403	SKID ASSEMBLY DETAILS	0
MECHANICAL		
BWP-SKM-0404	PIPING PLAN, SECTIONS, DETAIL & BILL OF MATERIALS	0



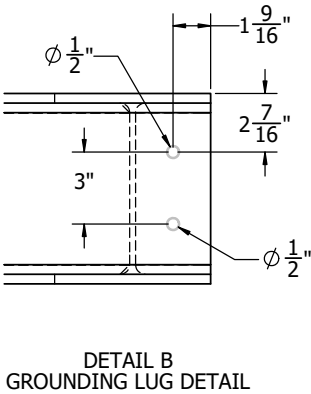
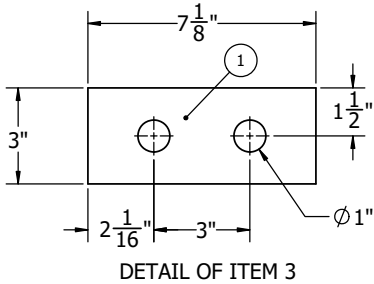
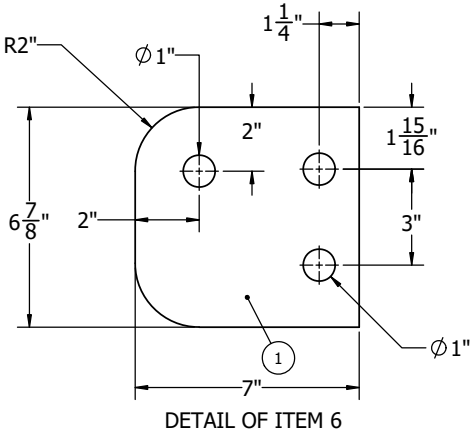


4 INCH METER SKID
ASSEMBLY PLAN

						ENGINEER:	DRAWING NO. BWP-SKM-401	REV.
						DRAWN BY:		
						CHECKED BY:	SHEET:	
2/25/2021	0	GENERAL STANDARD	C.M.	M.B.	S.M.	DATE:	SCALE:	
DATE:	NO.	REVISION	DWN.	CK'D	APV'D	AFE NUMBER:	ID NO.: 12800	



ITEM NO.	QTY.	DESCRIPTION	LENGTH
1	2	W8x24	18'-2 7/8"
2	5	W8x24	7'-5 1/4"
3	1	W8x24	9'- 1/4"
4	2	W8x24	4'-9 7/8"
5	8	1/2" X 3" FLAT BAR	7 1/8"
6	4	1" X 7" FLAT BAR	6 7/8"
7	1	W8x24	2'-4 7/8"
8	1	W8x24	4'-2 1/2"
9	1	1 1/4" X 3/16" BAR GRATING	141 SQ. FT.
9	1	W8x24	2'-7 1/8"



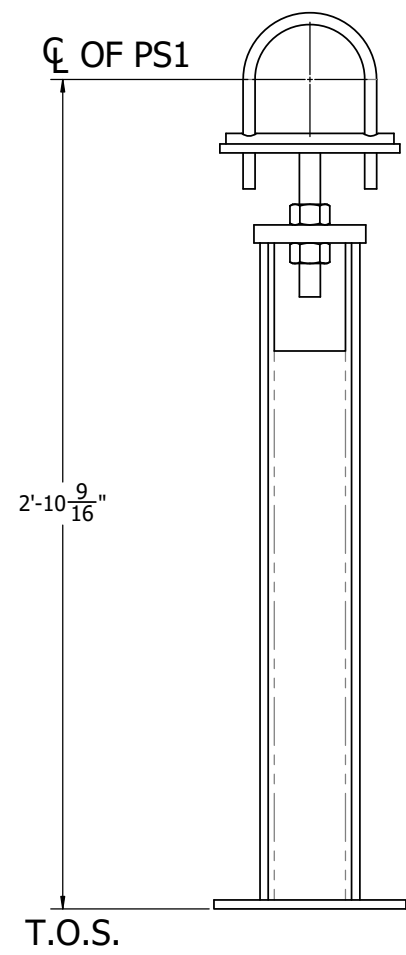
*ALL STRUCTURAL COMPONENTS TO BE HOT DIP GALVANIZED.



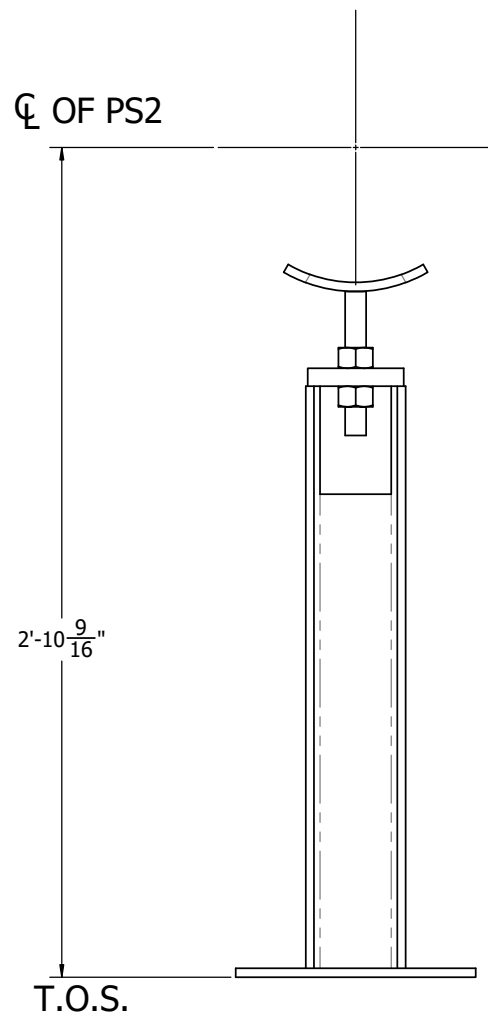
4" ANSI 600 ULTRASONIC METER SKID
SKID DETAIL

ENGINEER:	DRAWING NO.	REV.
DRAWN BY:	BWP-SKM-402	
CHECKED BY:	SHEET:	
DATE:	SCALE:	
AFE NUMBER:	ID NO.: 12800	

2/25/2021	0	GENERAL STANDARD	C.M.	M.B.	S.M.
DATE:	NO.	REVISION	DWN.	CK'D	APV'D



PS1



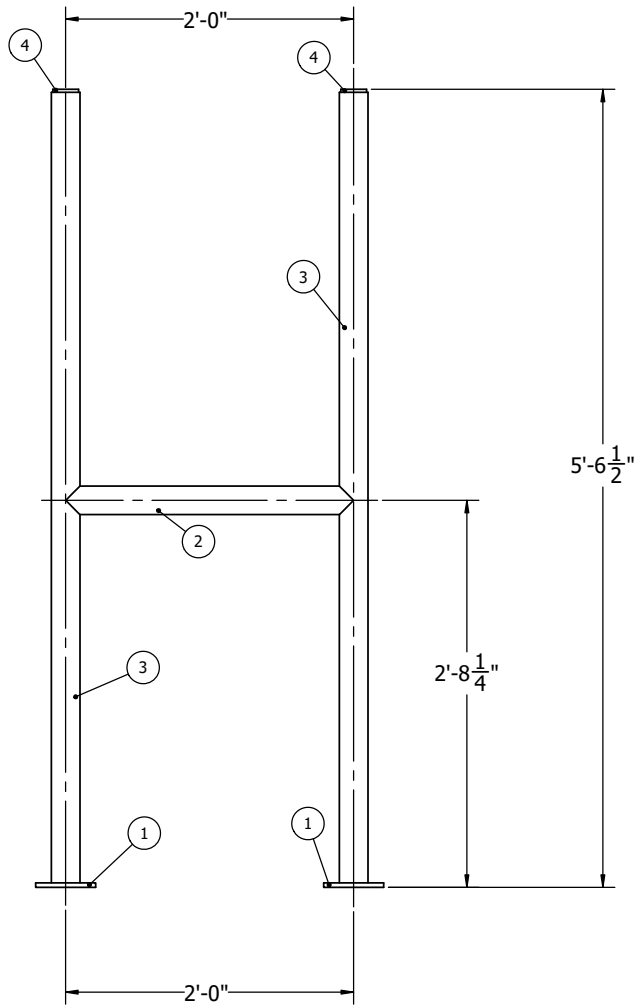
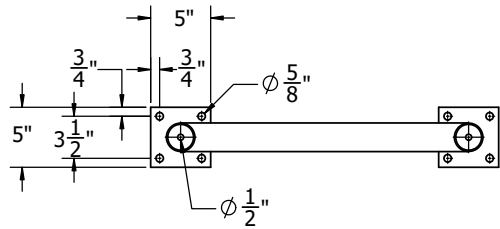
PS2



4" 600# ULTRASONIC METER SKID

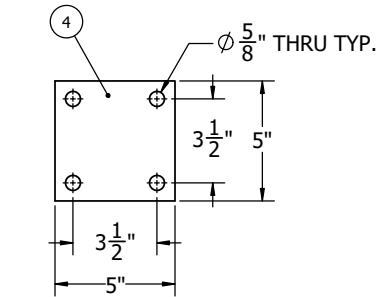
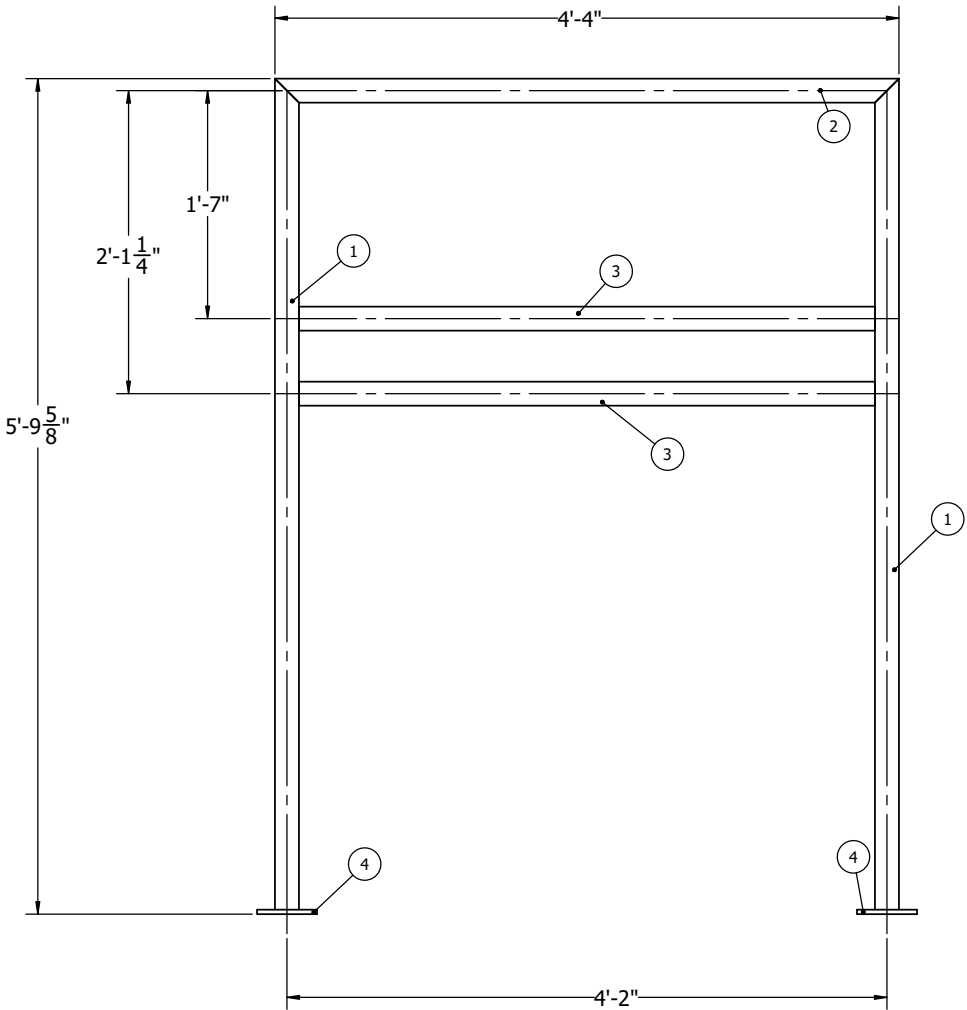
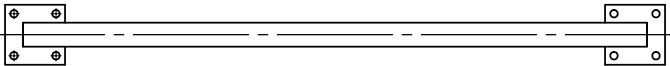
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						DRAWN BY:	BWP-SKM-402	
						CHECKED BY:	SHEET:	
						DATE:	SCALE:	
2/25/2021	0	GENERAL STANDARD	C.M.	M.B.	S.M.	DATE:	SCALE:	
DATE:	NO.	REVISION	DWN.	CK'D	APV'D	AFE NUMBER:	ID NO.: 12800	

ITEM NO.	QTY.	DESCRIPTION	LENGTH	MATERIAL
1	2	3/8" X 5" FLAT BAR	5"	ASTM A36 Steel
2	1	2" SCH 80 ERW PIPE	2'	A106B
3	2	2" SCH 80 ERW PIPE	5'-5 7/8"	A106B
4	2	1/4" PLATE		ASTM A36 Steel



INSTRUMENT STAND

ITEM NO.	QTY.	DESCRIPTION	LENGTH	MATERIAL
1	2	2 SQ x .1875 Wall	5'-9 1/4"	ASTM A36 Steel
2	1	2 SQ x .1875 Wall	4'-4"	ASTM A36 Steel
3	2	2 SQ x .1875 Wall	4'	ASTM A36 Steel
4	2	3/8" X 5" FLAT BAR	5"	ASTM A36 Steel



DETIAL OF ITEM 4

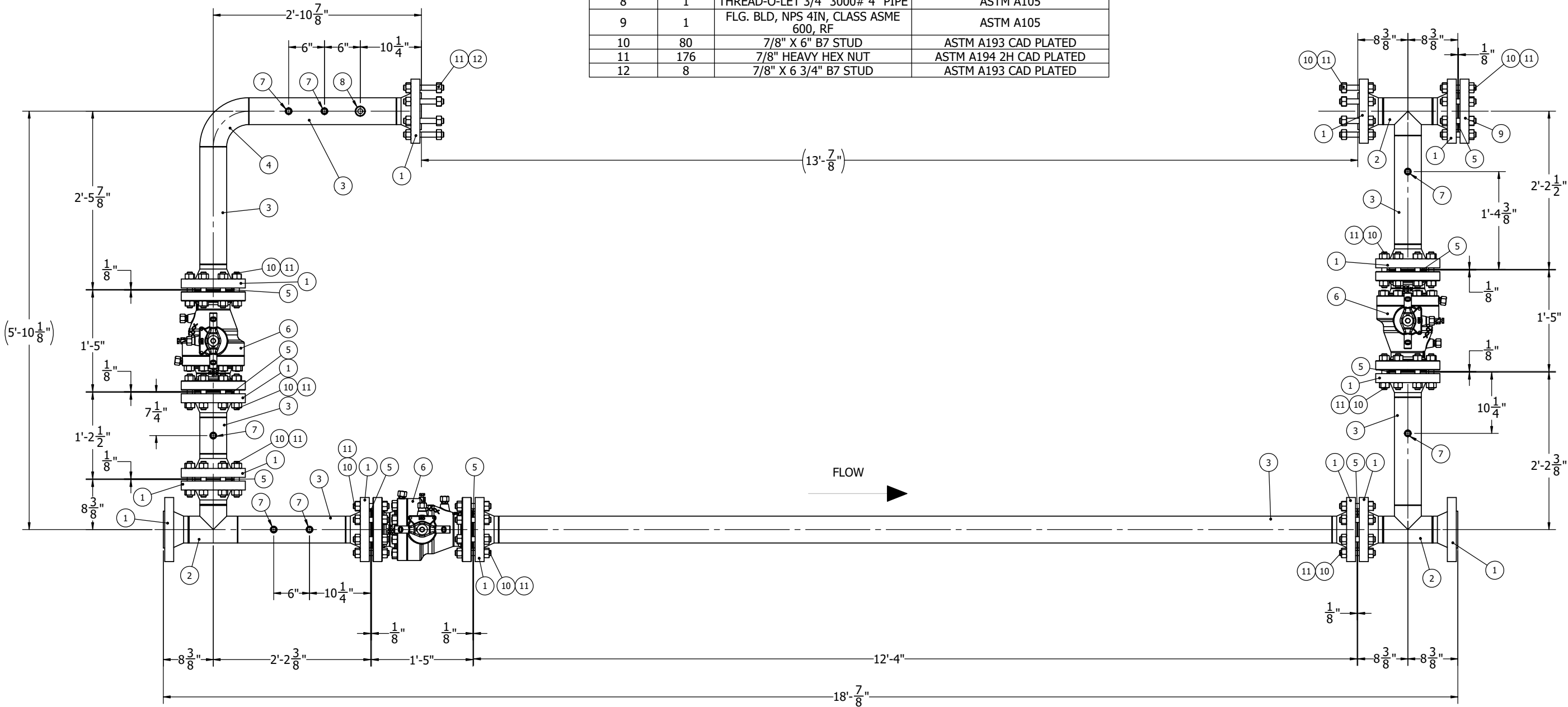
JUNCTION BOX STAND



4" 600# ULTRASONIC METER SKID

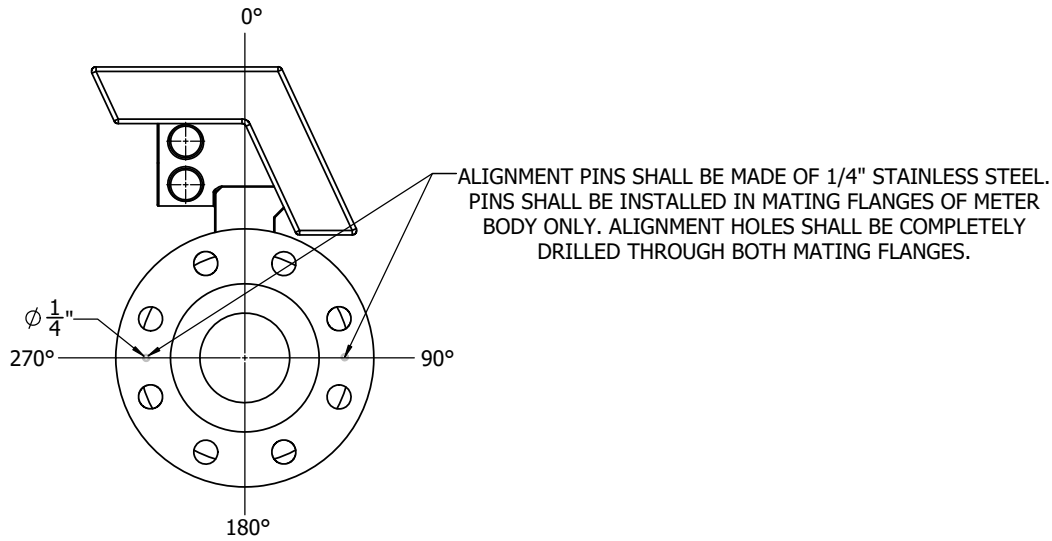
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						DRAWN BY:	BWP-SKM-402	
						CHECKED BY:	SHEET:	A
2/25/2021	0	GENERAL STANDARD	C.M.	M.B.	S.M.	DATE:	SCALE:	
DATE:	NO.	REVISION	DWN.	CK'D	APV'D	AFE NUMBER:	ID NO.: 12800	

ITEM NO.	QTY.	DESCRIPTION	MATERIAL
1	15	FLANGE. WN, NPS 4", ANSI 600, RF, SCH40	ASTM F42
2	3	STRAIGHT TEE 4" SCH40	ASTM Y42
3	20'-3 7/8"	4" SCH40 SMSL PIPE	ASTM X42
4	1	90L LR INCH 4" SCH40	ASTM Y42
5	9	GASKET. SPIRAL WOUND, 4", ANSI 600, FOR RF FLANGE.	304 FLEXICARB WINDINGS, 304 INNER RINGS, CARBON STEEL OUTER RINGS
6	3	BALL VALVE, 4" ANSI 600, RFFE FULL PORT, LEVER OPERATED, CS TRIM	CARBON STEEL
7	7	THREAD-O-LET 1/2" 3000# 4" PIPE	ASTM A105
8	1	THREAD-O-LET 3/4" 3000# 4" PIPE	ASTM A105
9	1	FLG. BLD, NPS 4IN, CLASS ASME 600, RF	ASTM A105
10	80	7/8" X 6" B7 STUD	ASTM A193 CAD PLATED
11	176	7/8" HEAVY HEX NUT	ASTM A194 2H CAD PLATED
12	8	7/8" X 6 3/4" B7 STUD	ASTM A193 CAD PLATED

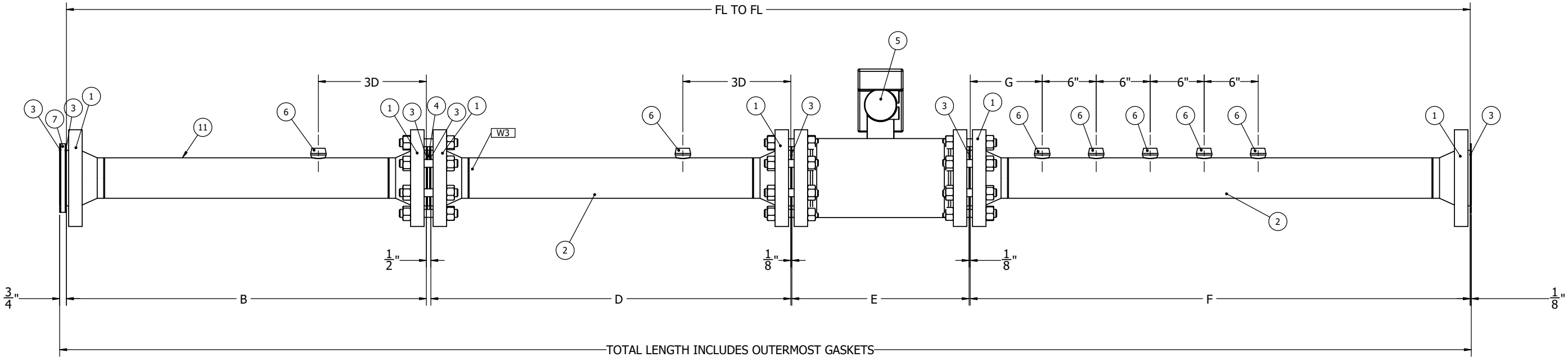


4" METER RUN BYPASS DETAIL

						ENGINEER:	DRAWING NO.	REV.
						DRAWN BY:	BWP-SKM-403	
						CHECKED BY:	SHEET:	
2/25/2021	0	GENERAL STANDARD	C.M.	M.B.	S.M.	DATE:	SCALE:	
DATE:	NO.	REVISION	DWN.	CK'D	APV'D	A/E NUMBER:	ID NO.: 12800	



ITEM NO.	QTY.	DESCRIPTION	MATERIAL	TAG/HEAT #
1	6	FLANGE. WN, NPS 4", ANSI 600, RF, SCH40	ASTM F42	
2	9'-2 1/16"	4" SCH40 HONED PIPE	ASTM X42	
3	7	GASKET. SPIRAL WOUND, 4", ANSI 600, FOR RF FLANGE.	304 FLEXICARB WINDINGS, 304 INNER RINGS, CARBON STEEL OUTER RINGS	
4	1	FLOW CONDITIONER 4" SCH40 CPA50E	STAINLESS STEEL	
5	1	4" FLOWSIC-XT 600#	CARBON STEEL	
6	7	THREAD-O-LET 3/4" 3000# 4" PIPE	ASTM A105	
7	1	4" 600# 1/2" SPACER	STAINLESS STEEL	
8	8	7/8" X 6 1/2" B7 STUD	ASTM A193 CAD PLATED	
9	48	7/8" HEAVY HEX NUT	ASTM A194 2H CAD PLATED	
10	16	7/8" X 6" B7 STUD	ASTM A193 CAD PLATED	
11	0		ASTM X42	



TYPE AND SIZE		LENGTH IN INCHES								TOTAL LENGTH		FLANGE TO FLANGE
TYPE	NPS	A (SPACER)	B (10 N.B.)	C (CPA)	D (10 N.D.)	E (METER)	F (>5 N.D.)	G (2 N.D.)	GASKETS	TOTAL (INCH)	TOTAL (FT-IN)	FL TO FL TOTAL (FT)
SICK 4P	4	0.5	40	0.25	40	19.69	55.563	8.00	0.875	156.88	13'-0.88"	13

BOARDWALK

○ ○ ○

PIPELINE PARTNERS

4" 600 ANSI RF ULTRASONIC METER SKID

METER DETAIL

ENGINEER:

DRAWN BY:

CHECKED BY:

DATE:

2/25/2021

0

GENERAL STANDARD

REVISION

C.M.

M.B.

S.M.

DWN.

CK'D

APV'D

AFE NUMBER:

DRAWING NO.

BWP-SKM-404

SHEET:

SCALE:

ID NO.: 12800

REV.

0