

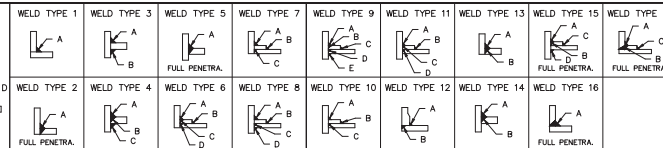
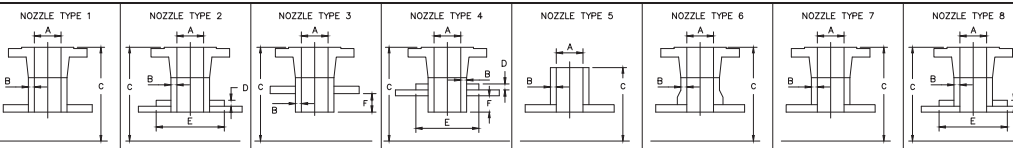
4/23/2018 12:43:26 PM
X: MOORE CONTROL SYSTEMS - MARATHON SCRIBBLES 18165.DWG

ITEM	QUANTITY	MATERIAL	DESCRIPTION	NORMALIZED	IMPACT TEST	PWHT
1	2	SA-516 70	CYLINDER - 48" OD x 3/8" WALL x 10'-0" LG	NO	NO	NO
2	2	SA-516 70	2:1 HEAD - 48" OD x 5/16" MIN (3/8" NOM) THICK, 2" SF, SF MIN THK = .3007"	NO	NO	NO
3	1	SA-516 70	SKIRT - 40" OD x 1'-6" LONG x 1/4" WALL	NO	NO	NO
4	1	SA-105	NOZZLE FLANGE - 18" 150# RF SO WITH BLIND FLANGE/GASKET AND BOLTING	NO	NO	NO
5	2	SA-105	NOZZLE FLANGE - 6" 150# RFWN, BORE = SCH 80	NO	NO	NO
6	3	SA-105	CPLG - 0.5" 6000# FULL CPLG	NO	NO	NO
7	1	SA-105	CPLG - 0.5" 6000# CPLG x 3" LG (TOE)	NO	NO	NO
8	1'-6"	SA-106 B SMLS PIPE	NOZZLE NECK - 2" SCH 80	NO	NO	NO
9	1	SA-105	CPLG - 2" 3000# CPLG x 6" LG (TOE)	NO	NO	NO
10	2	SA-105	CPLG - 2" 3000# FULL CPLG	NO	NO	NO
11	1	SA-105	CPLG - 3" 3000# FULL CPLG	NO	NO	NO
12	1'-2"	SA-106 B SMLS PIPE	NOZZLE NECK - 6" SCH 80	NO	NO	NO
13	1'-0"	SA-106 B SMLS PIPE	NOZZLE NECK - 18" SCH 80	NO	NO	NO
14	1	SA-516 70	REINFORCEMENT PAD - 10.625" OD x .375" THK (TOP HEAD)	NO	NO	NO
15	1	SA-516 70	REINFORCEMENT PAD - 22" OD x .375" THK	NO	NO	NO
16	1	SA-234-WPB	WELDELL - 2" SCH 80 L.R. 90°	NO	NO	NO
17	1	SA-234-WPB	WELDELL - 6" SCH 80 45°	NO	NO	NO
18	2	SA-105	CPLG - 0.75" 6000# FULL CPLG	NO	NO	NO

CONSTRUCTION DETAIL	
DESCRIPTION	DATA
MAWP (INT) @ DESIGN TEMP.	250 PSI @ 150°F
MDMT @ MAWP	-20/ @ 250 PSI
MAWP LIMITED BY	DESIGN
HYDROSTATIC TEST	325 PSI
CORROSION ALLOWANCE	0"
RADIOGRAPHY	RT-2
PWHT	NONE
CODE CASE(S)	NONE
CODE STAMP REQ'D	YES
NT'L BOARD REQ'D	YES
CONSTRUCTION CODE	ASME SEC. VIII DIV.1 2017
WPS(S)	BY MCSI
WIND CODE	ASCE-7 10
SEISMIC CODE	ASCE-7 10
WEIGHT	5,208 LBS

SERIAL NO.	SERVICE	NB NO.
18165-1	VERTICAL 2-PHASE SEPARATOR	1
18165-2	VERTICAL 2-PHASE SEPARATOR	2
18165-3	VERTICAL 2-PHASE SEPARATOR	3
18165-4	VERTICAL 2-PHASE SEPARATOR	8
18165-5	VERTICAL 2-PHASE SEPARATOR	7
18165-6	VERTICAL 2-PHASE SEPARATOR	14
18165-7	VERTICAL 2-PHASE SEPARATOR	15
18165-8	VERTICAL 2-PHASE SEPARATOR	16
18165-9	VERTICAL 2-PHASE SEPARATOR	19
18165-10	VERTICAL 2-PHASE SEPARATOR	17

C15 OIL LEVEL HIGH	.75	CPLG	6000#	3	1.05	.35	25	—	—	.5	4	.375	.375	.25	—	—			
C14 WATER LEVEL LOW	.75	CPLG	6000#	3	1.05	.35	25	—	—	.5	4	.375	.375	.25	—	—			
C13 RELIEF	2	CPLG	3000#	3	2.375	.3125	25	—	—	1.875	4	.375	.375	.25	—	—			
C10 WATER LLC	2	CPLG	3000#	3	2.375	.3125	25	—	—	1.875	4	.375	.375	.25	—	—			
C8 PI	0.5	CPLG	6000#	3	.84	.33	25	—	—	.5	4	.375	.375	.25	—	—			
C7 SAFETY HEAD	2	CPLG	3000#	3	2.375	.3125	ELEV	—	—	.25	4	.375	.3125	.25	—	—			
C6 GAS OUTLET	6	RFWN	150#	2	5.761	.432	ELEV	.375	10.625	.5	11	.375	.3125	.375	.3125	—			
C5 DRAIN	2	CPLG	3000#	SEE DETAIL															
C4 SUPPLY GAS	0.5	CPLG	6000#	3	.84	.33	ELEV	—	—	.25	4	.375	.3125	.25	—	—			
C3B GAUGE GLASS	0.5	CPLG	6000#	3	.84	.33	25	—	—	.5	4	.375	.375	.25	—	—			
C3A GAUGE GLASS	0.5	CPLG	6000#	3	.84	.33	25	—	—	.5	4	.375	.375	.25	—	—			
C2 WATER OUTLET	3	CPLG	3000#	3	3.5	.375	25	—	—	1.75	4	.375	.375	.25	—	—			
C1 INLET	6	RFWN	150#	3	5.761	.432	30	—	—	2	4	.375	.375	.375	—	—			
M1 MANWAY	18	RF SO	150#	4	16.124	.938	30	.375	22	.75	11	.375	.3125	.375	.375	—			
MARK	IDENTIFIER	SIZE	TYPE	CLASS	TYPE	A	B	C	D	E	F	TYPE	A	B	C	D	E		
		FLANGE			NOZZLE STYLE										WELD				
		NOZZLE SCHEDULE																	



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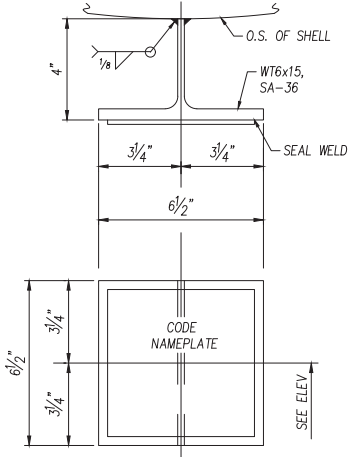
(281) 392-7747

WWW.MOORE-CONTROL.COM

CUSTOMER
MARATHON OIL CO.

CARLSBAD, NEW MEXICO
DATE/CUSTOMER JOB NO
18165-XXXX SHT 1

VERTICAL 2 PHASE SEPARATOR
FABRICATION DRAWING
DRAWN BY MLR DATE 1/22/18 SCALE 1" = 1'-0" MCSI JOB NO 18165
SHEET 1 OF 2 REV 2



18" * SEE TABLE

CERTIFIED BY: **MCSI** MOORE CONTROL SYSTEMS, INC.
OPTIONAL: U W RT-2

MAWP: 250 PSI @ 150 ° F
MDMT: -20 ° F @ 250 PSI

2018 S/N: * SEE TABLE
YEAR BUILT TAG:

VERTICAL 2 PHASE SEPARATOR
48" O.D. x 20'-0" S/S | CA: 0"



ALL DIMENSIONS ARE
MEASURED FROM THIS LINE
UNLESS NOTED OTHERWISE

ISSUED FOR CONSTRUCTION 1
MCSI # 18165 DATE: 3/20/18

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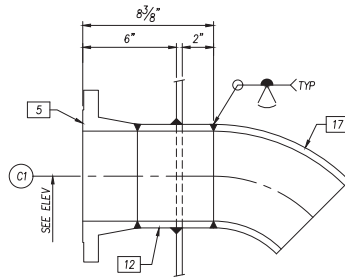
CUSTOMER	MARATHON OIL CO
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AFE/CUSTOMER JOB NO	
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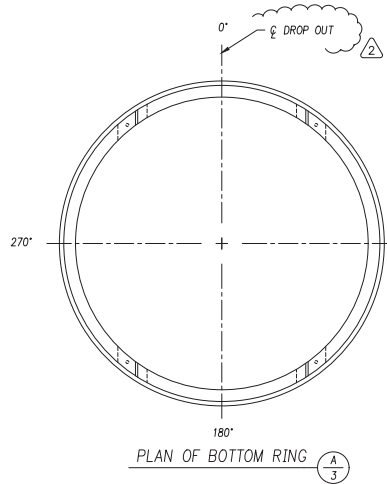
VERTICAL 2 PHASE SEPARATOR FABRICATION DRAWING			
DRAWN BY MLR	DATE 1/22/18	SCALE *	MCS JOB 1816
DRAWING NO 18165-XXXX SHT 2		SHEET 2 OF	

4/23/2018 12:43:27 PM

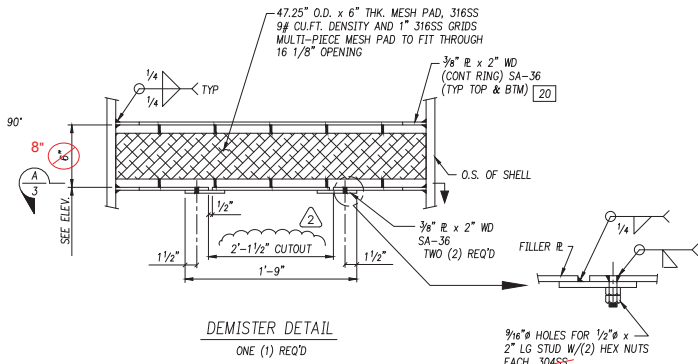
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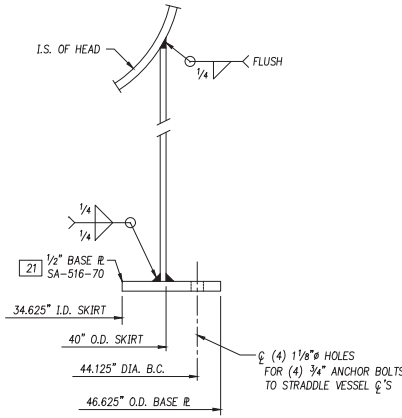
DETAIL OF 6" 150# NOZZLE MK "C1"
ONE (1) REQ'D



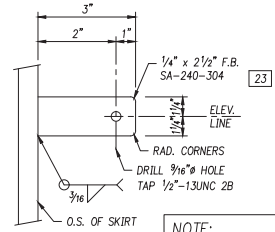
PLAN OF BOTTOM RING
A 3



DEMISTER DETAIL
ONE (1) REQ'D

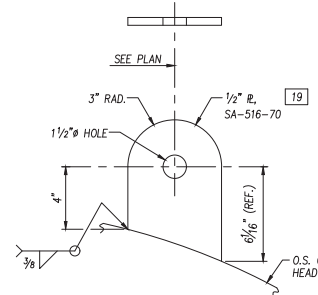


SKIRT & BASEPLATE DETAIL

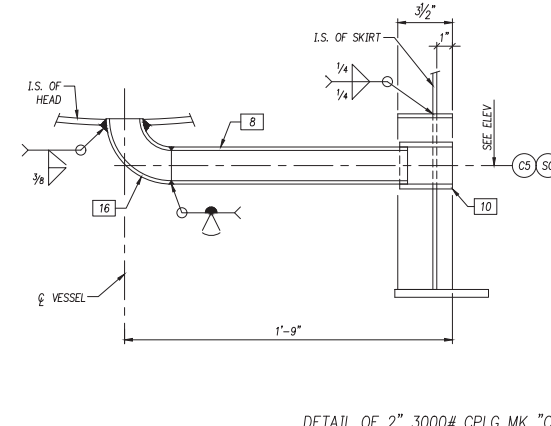


GROUNDING LUG DETAIL
ONE (1) REQ'D

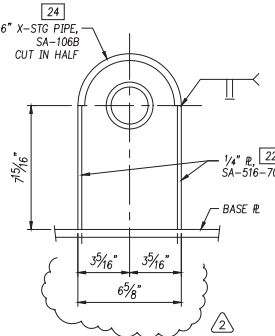
NOTE:
DO NOT PAINT
GROUND LUG



LIFTING LUG DETAIL
TWO (2) REQ'D



DETAIL OF 2" 3000# CPLG MK "C5" & SKIRT SLEEVE MK "SO"
ONE (1) REQ'D



AS BUILT

ISSUED FOR CONSTRUCTION
MCSI# 18165 DATE: 4/23/18

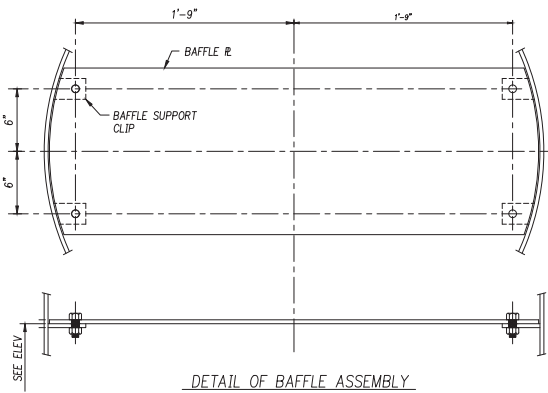
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KATY, TEXAS

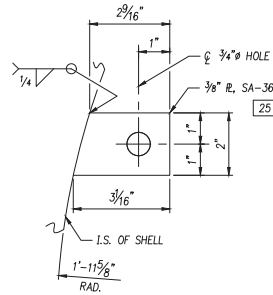
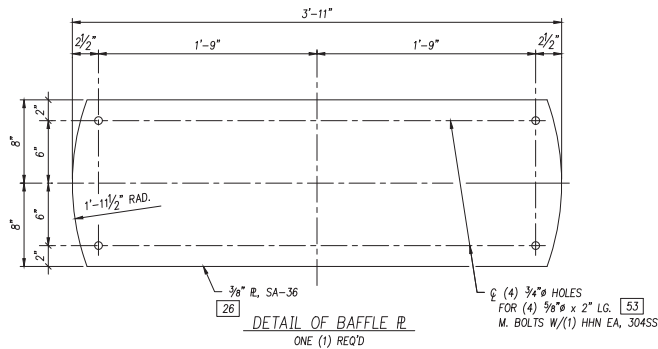
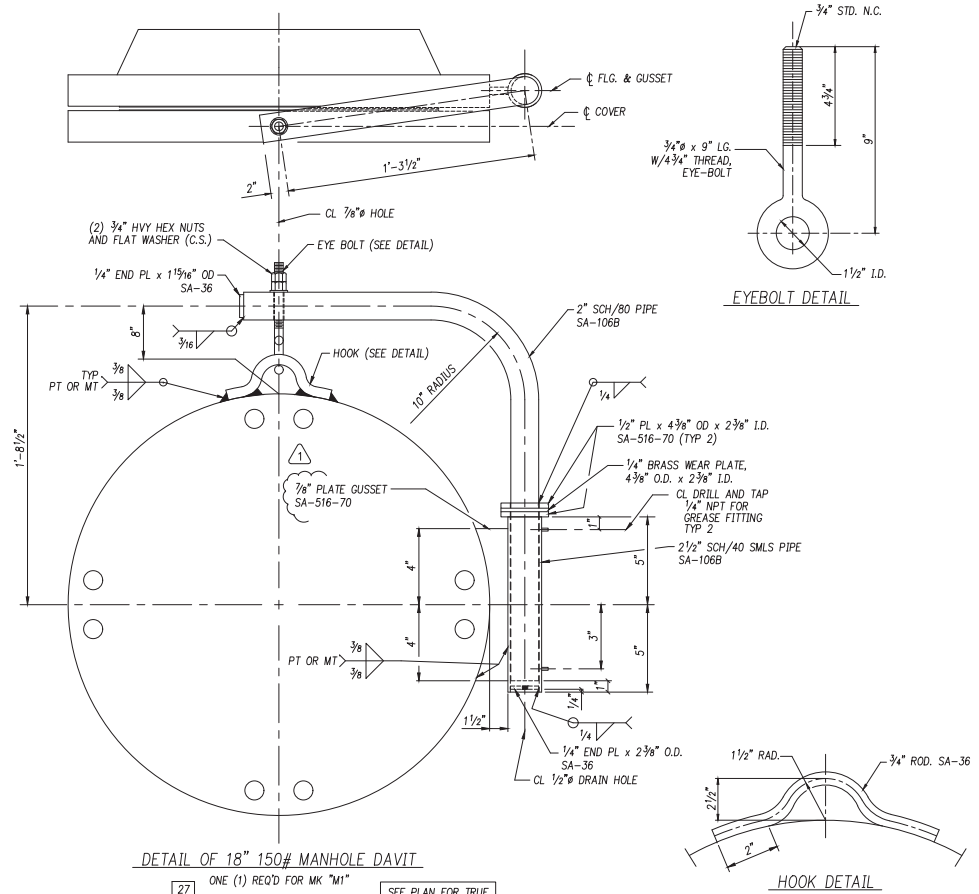
(281) 392-7747 WWW.MOORE-CONTROL.COM

CUSTOMER
MARATHON OIL CO.
DATE/CUSTOMER JOB NO
CARLSBAD, NEW MEXICO

VERTICAL 2 PHASE SEPARATOR
FABRICATION DRAWING
DRAWN BY
MLR
DATE
2/14/18
SCALE
1" = 6"
SHEET
3 OF 3
REV
2

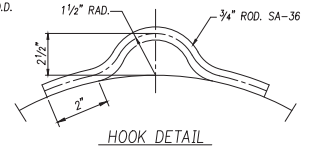


DETAIL OF BAFFLE ASSEMBLY

DETAIL OF BAFFLE SUPPORT CLIP
FOUR (4) REQ'DDETAIL OF BAFFLE R.
ONE (1) REQ'D

DETAIL OF 18" 150# MANHOLE DAVIT

ONE (1) REQ'D FOR MK "M1"

SEE PLAN FOR TRUE
DAVIT ORIENTATION

HOOK DETAIL

AS BUILT**ISSUED FOR
CONSTRUCTION**

MCSI# 18165 DATE: 4/23/18

REFERENCE DRAWING	DRAWING DESCRIPTION	NO	REVISION DESCRIPTION	DATE	BY	CWD
1	REVISED AS BUILT	4/23/18	MLR	RR		
0	ISSUED FOR CONSTRUCTION	3/20/18	MAK	RR		
A	ISSUED FOR APPROVAL	2/14/18	MLR	RR		

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MCSI MOORE CONTROL SYSTEMS, INC.
KATY, TEXAS

(281) 392-7747

WWW.MOORE-CONTROL.COM

CUSTOMER
MARATHON OIL CO.

CARLSBAD, NEW MEXICO
ATE/CUSTOMER JOB NO

VERTICAL 2 PHASE SEPARATOR
FABRICATION DRAWING
DRAWN BY MLR DATE 2/14/18 SCALE 1" = 1'-0" MCSI JOB NO 18165
DRAWING NO 18165-XXXX SHT 4 OF 4 REV 1