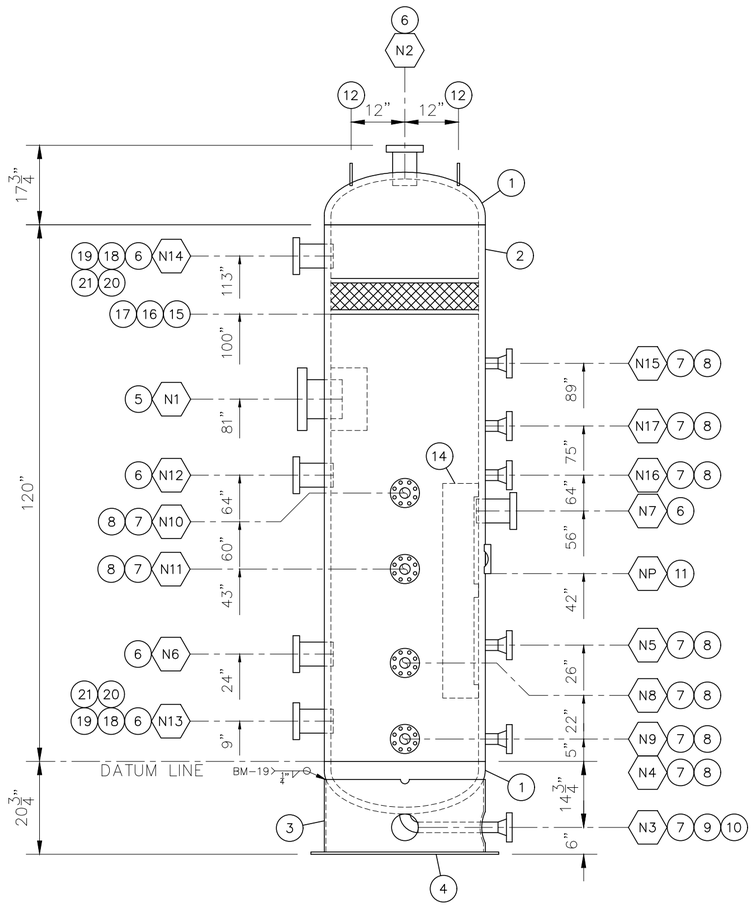
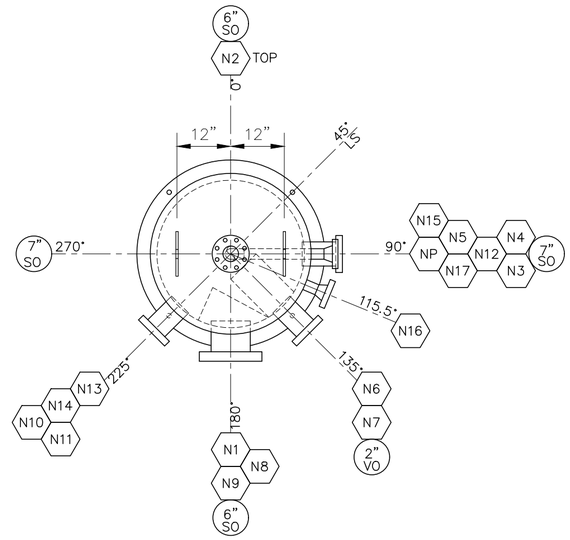
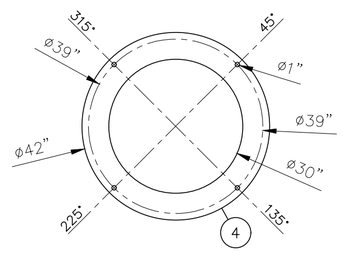


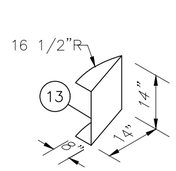
ELEVATION VIEW



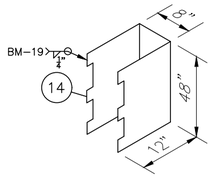
ORIENTATION VIEW



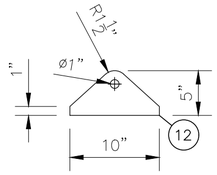
BASE RING



INLET DIVERTER
N.T.S.



FLOAT HOOD
N.T.S.



LIFT LUG
N.T.S.

INSIDE & OUTSIDE OF NOZZLE BE ROUNDED PER UG-76(C)

WELD DETAIL 1	WELD DETAIL 2	WELD DETAIL 3	WELD DETAIL 4	WELD DETAIL 5	WELD DETAIL 6	WELD DETAIL 7	WELD DETAIL 8	WELD DETAIL 9	WELD DETAIL 10	WELD DETAIL 11	WELD DETAIL 12	WELD DETAIL 13	WELD DETAIL 14
BA-1	BA-1	BA-1	BA-2 OR BM-19	BA-2 OR BM-19	BA-2 OR BM-19	GOOT: BM-2 INC: BM-2 OR BMG-710M HT	GOOT: BM-2 INC: BM-2 OR BMG-710M HT	GOOT: BM-2 INC: BM-2 OR BMG-710M HT	GOOT: BM-2 INC: BM-2 OR BMG-710M HT	GOOT: BM-2 INC: BM-2 OR BMG-710M HT	BA-2 OR BM-19	BA-2 OR BM-19	BA-2 OR BM-19
WITHOUT BACKING R=1/8" (±1/8") α=60° (±15°) h=1/16" (±1/16")	WITHOUT BACKING R=1/8" (±1/8") α=60° (±15°) h=1/16" (±1/16")	3:1 TRANSITION R=1/8" (±1/8") α=60° (±15°) h=1/16" (±1/16")	R=1/8" (±1/8") α=75° (±15°)	R=1/8" (±1/8") α=40° (±15°) h=1/8" (±1/16")	R= 1/8" (±1/8") α=40° (±15°) h=1/16" (±1/16")	R=1/8" (±1/8") α=40° (±15°) h=1/8" (±1/16")	R=1/8" (±1/8") α=40° (±15°) h=1/16" (±1/16")	R=1/8" (±1/8") α=40° (±15°) h=1/16" (±1/16")	R=1/8" (±1/8") α=MIN. 30° h=1/16" (±1/16")	R=1/8" (±1/8") α=40° (±15°) h=1/16" (±1/16")	3/16" (±1/16") 3/16" (±1/16")	TYPICAL NON PRESSURE ATTACHMENT WELD	(±1/8") 3/8" 1/8" (±1/8") FILL α=30° (±15°) TYPICAL NON PRESSURE WELD (LUGS, DAVIT ARMS)

NOZ NO.	NO. REQ'D	SIZE REQ'D	RATING	TYPE OF SERVICE	OD OF NOZ NECK	PROJECTION OUTSIDE	PROJECTION INSIDE	REIF PAD OD x THK	WELD DETAIL	FILLET WELD SIZE A	B	C	BILL OF MAT'L ITEM No.	REMARKS
N1	1	6"	600	INLET	8.75"	6"	1/2"	·	5	3/8"	3/8"	·	5	·
N2	1	3"	600	GAS OUTLET	5.38"	6"	A/R	·	5	3/8"	·	·	6	·
N3	1	2"	600	DRAIN	2.375"	6"	·	·	4,6	3/8"	·	·	7,9,10	·
N4	1	2"	600	WATER OUT	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N5	1	2"	600	CONDI. OUT	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N6	1	3"	600	WATER LC	5.38"	7"	A/R	·	5	3/8"	·	·	6	·
N7	1	3"	600	CONDI. LC	5.38"	7"	A/R	·	5	3/8"	·	·	6	·
N8	1	2"	600	WATER LG	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N9	1	2"	600	WATER LG	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N10	1	2"	600	CONDI. LG	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N11	1	2"	600	CONDI. LG	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N12	1	3"	600	HLSD	5.38"	7"	A/R	·	5	3/8"	·	·	6	·
N13	1	3"	600	LLSD	5.38"	7"	A/R	·	5	3/8"	·	·	6,18,19,20,21	INSPECTION
N14	1	3"	600	INSPECTION	5.38"	7"	A/R	·	5	3/8"	·	·	6,18,19,20,21	INSPECTION
N15	1	2"	600	PSV	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N16	1	2"	600	TI	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·
N17	1	2"	600	PI	2.375"	6"	·	·	4,6	3/8"	·	·	7,8	·

BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION
1	2	S.E. HEAD, 36"OD X 1.5" NOM (1.4375" MIN), SA516-70N (HOT FORMED)
2	1	SHELL, 36"OD X 1.5" NOM. X 10'-0" LONG, SA516-70N
3	1	SKIRT - ROLLED PLATE, 36"OD X 0.375" X 16 3/16" LONG, SA516-70N
4	1	BASE RING, 42"OD X 30"ID X 1/2", A36/44W
5	1	RFLWN, 6" 600 ANSI X 9" OAL, SA105N OR SA350LF2 CL.1 (1.38" WT)
6	6	RFHBWN, 3" 600 ANSI X 9" OAL, SA105N OR SA350LF2 CL.1 (1.24" WT)
7	10	RFWN, 2" 600 ANSI SCH. 160, SA105N
8	9	PIPE, 2" SCH. 160 (0.344") X 2 15/16" LONG, SA106B
9	1	PIPE, 2" SCH. 160 (0.344") X 17 7/8" LONG, SA106B
10	1	WELD 90 LR, 2" SCH. 160, SA234WPB
11	1	TAG PLATE HOLDER, SA36 & VESSEL ID PLATE, ALUM
12	2	LIFT LUG, PLATE, 1/2" SA516-70N (SEE DETAIL)
13	1	INLET DIVERTER, 8" X 14" X 14" 1/4" SA36 PLATE (SEE DETAIL)
14	1	FLOAT HOOD, 8" X 12" X 48", 1/4", SA36 (SEE DETAIL)
15	1	DEM, 33"OD X 6"TK, 1 PC NO GRD, 9LB 316LSS
16	35'	FLAT, 1/4" X 1", A36/44W
17	9 sqft	FLAT EXP. METAL, 3/4" X 9LB, CS
18	2	RFB, 3" 600 ANSI, SA105N
19	2	316/FG FLEX CG GASKET 3" 600 ANSI
20	8	B7M STUD, 3/4" X 5", SA193-B7M (3" 600)
21	16	2HM HEX NUT, 3/4", SA194-2HM
22	·	·

NOTE:
LEFT OVER INTERNAL PROJECTION IS ACCEPTABLE FOR FORGED FLANGES

SERIAL No.: 733814-733825 733827-733833 AND 733845
SEE DRAWINGS 35443-1-VESSEL-REVO FOR SERIAL NUMBER 733826

△2

REV. No.	DATE MM	DD	YY	DESCRIPTION	BY	CHK'D	APP'D
△3	07	06	17	ASBUILT	JG	JG	·
△2	06	14	17	REVISED SERIAL NUMBERS	MM	SG	·
△1	04	12	17	REVISED QUANTITY FROM 24 TO 20	MM	SG	·
△0	04	03	17	ISSUED FOR CONSTRUCTION	MM	SG	·

ASME 2015 ED. CODE SECT. VIII DIV. 1

BMS AQP (S) 1009	REGISTERED WELD PROCEDURE 505.2		
FOR VESSEL TOLERANCES, SEE WELDER HANDBOOK			
VESSEL TYPE: VERTICAL			
M.A.W.P.: 1440 PSIG (9929 kPag) AT +130°F (+54°C)			
M.D.M.T.: -20°F (-29°C) AT 1440 PSIG (9929 kPag)			
NOZZLE IMPACT TESTING EXEMPT PER UCS66(a)(b) & UG20f (1-5)			
P.W.H.T.: 1150°F FOR 90 MIN.			
RADIOGRAPHY: RT-1	CIRC.: FULL	LONG: FULL	
JOINT EFFICIENCY:	HEADS: 1.00	SHELL: 1.00	
CORROSION ALLOWANCE: 1/8"			
HYDROSTATIC TEST: 1872 PSIG (12907 kPag)			
VOLUME: 67ft³ (.1.90m³)			
WEIGHT (DRY): 8450 lb. (3833 kg)			

CLIENT:
SEVEN GENERATIONS ENERGY LTD.

BROMLEY MECHANICAL SERVICES
A DIVISION OF ARGO SALES INC.
925 23 Street SW, Medicine Hat, Alberta, Canada T1A 8R1
Ph: (403) 526-3142 Fax: (403) 526-1061
Toll Free (800) 215-9806

PROJECT:
△1 (20) 36" SEPARATOR WELLHEAD MODULE

TITLE: 36" OD X 10'-0" S/S X 1440 PSI, SOUR

CRN No.:	Y2282.2	Wo No.:	35443	SERIAL No.:	SEE NOTES
DRAWN BY:	D. MYTTON	REV. No.:	3	DATE: MM/DD/YY	07/06/17
DATE: MM/DD/YY	04/03/17	SCALE:	1/2"=1'-0"	CAD No.:	35443-VESSEL