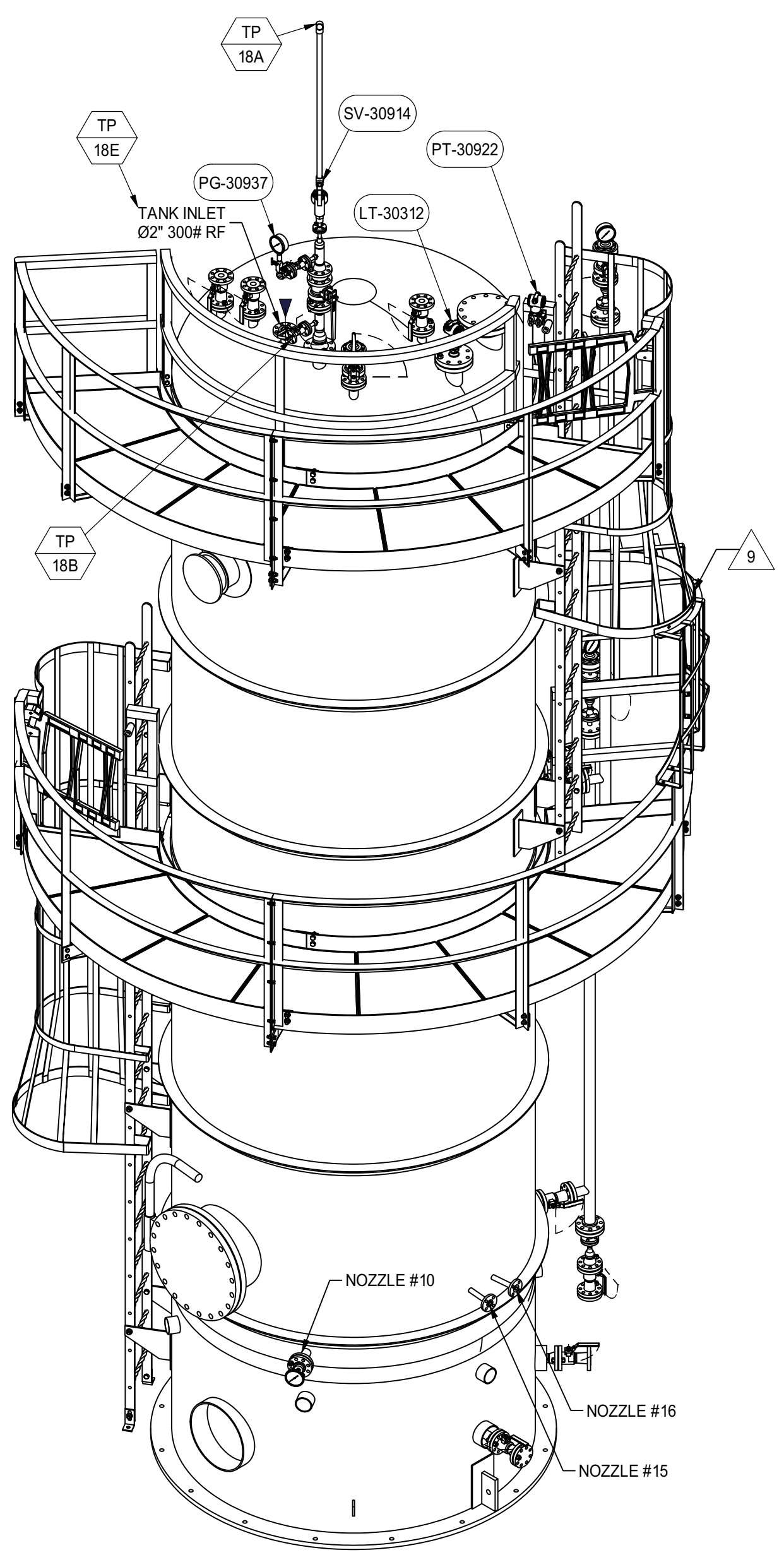
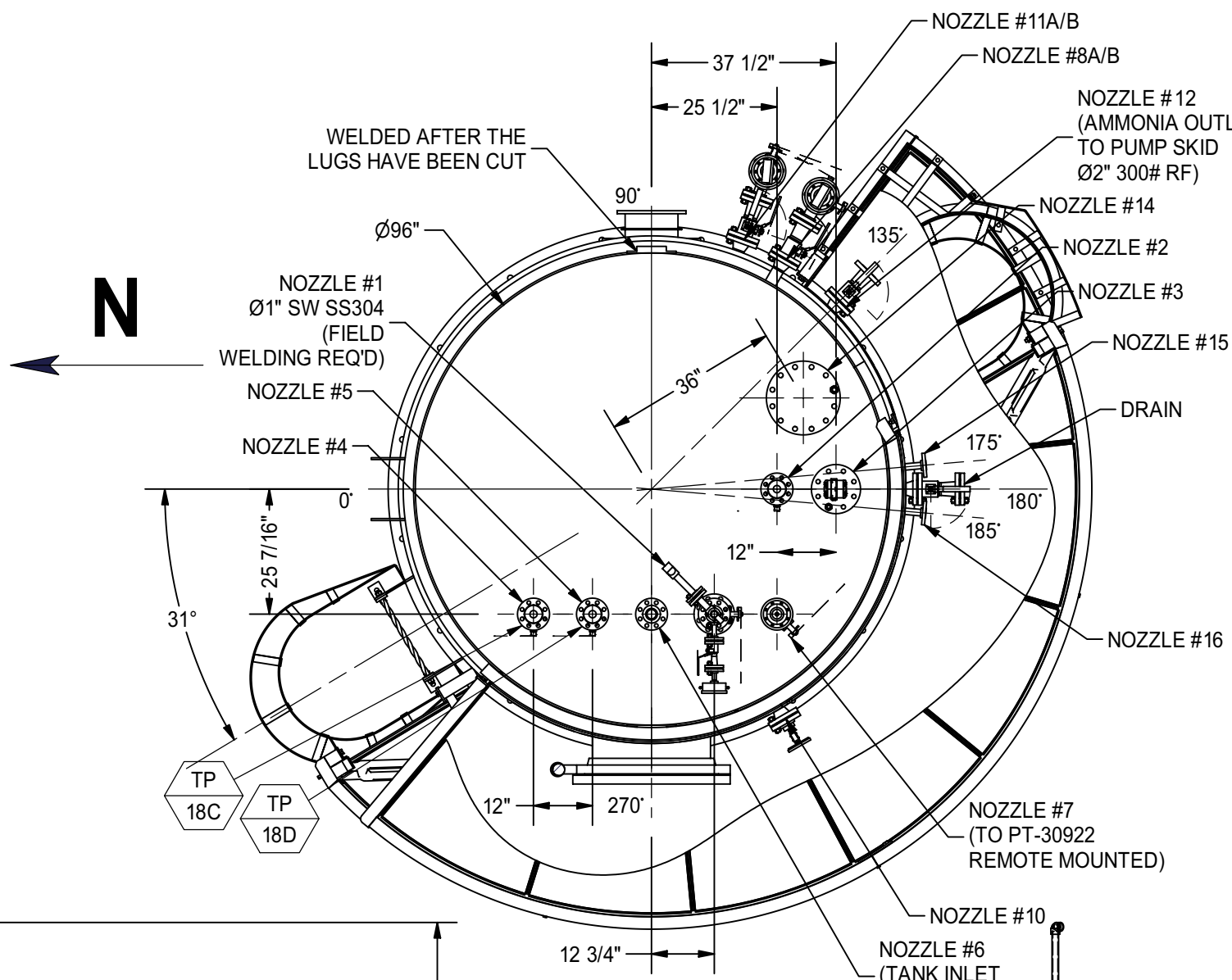


LOADING DATA				
		EMPTY	OPERATION	TEST
WIND	SHEARFORCE (tbf/ktg)	8700 / 3955		N/A
	MOMENT (tbf-ft / kgf-m)	171000 / 23642		N/A
SEISMIC	SHEARFORCE (tbf/ktg)	120 / 55	700 / 318	N/A
	MOMENT (tbf-ft / kgf-m)	17500 / 2420	28100 / 3885	N/A

The wind/seismic loads are service loads and a factor 0.6/0.7 is already considered for wind-seismic respectively



LISTE DE MATERIAUX - BILL OF MATERIALS					
No	QTY	DESCRIPTION	LG. (")	MATERIAL	WT. (lb)
2	1	AMMONIA TANK - Ø3" AQUEOUS AMMONIA PIPING		AS PER SPEC. 1B01HE00S	135

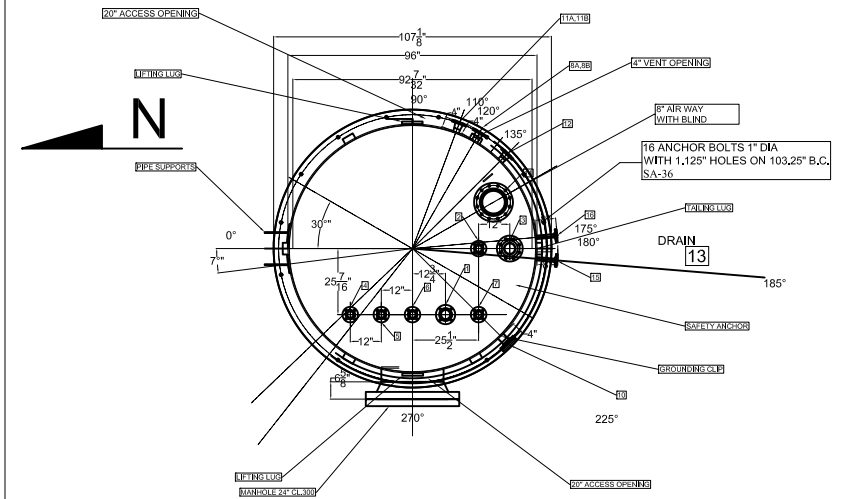
NOTES:

1. REFER TO PROCESS AND INSTRUMENTATION DIAGRAM, BILL OF MATERIAL AND OTHER PROJECT SPECIFIC DOCUMENTS.
2. THE PIPES OR DUCTS ARE NOT DESIGNED TO WITHSTAND ADDITIONAL STATIC OR DYNAMIC LOADS. MINIMAL EXTERNAL LOADS MAY BE TRANSFERRED TO THE EQUIPMENT.
3. PER CODE ASME SEC VIII DIV.1 2019 PARAG, UW-11(c) AND UW-12(c)
 CERTIFICATION: U-STAMP
 INTERNAL DESIGN PRESSURE: 15 PSI (103 kPa)
 FULL VACUUM: 15 PSI (103 kPa) AT 150°F
 HYDROSTATIC TEST: 19.5 (134 kPa)
 TEMPERATURE: 150°F (66°C)
 MOIET: 15°F
 HEAT TREATMENT EXEMPTION PER UCS-56(b)
 IMPACT TEST EXEMPTION PER UG-20(f)
 MATERIAL: SHELL SA.36 0.375" NOM
 GASKETS: SS304 SPIRAL WOUND ASME B16.20
 HEAD:SE 2:1 96" od X 0.375" NOM 0.3125" MIN 2" SF SA-516 GR.70
 WELD NECK FLANGE R.F SA-105N CL.300
 BLIND FLANGES RF SA-105N CL.300
 PIPE SA-106 GR.B SCH PER NOZZLE TABLE
 RE-PAD SA-516GR.70
 LIFTING LUG SA-516 GR.70
 SKIRT THICKNESS 0.375", BASE PLATES, VACUUM RING, SA-36
 STUDS: SA-193 B7, NUTS SA-194 2H
 CORROSION ALLOWANCE: 0.0625"
 NDE: MT ON MOUNTING AND UT WHERE CLIPS AND LIFTING LUGS APPROX. WEIGHT 19753 LBS (8960 Kg)
 X-RAY: NONE
 CAPACITY: 10000 GALLON US. (37855 LTS)
 INSIDE FINISH: MANUAL CLEANING
 EXTERIOR FINISH:
 -GRITBLAST OR SANDBLAST (NEAR WHITE METAL) SSPC (SP-10) AND
 -SUPPLY AND APPLY (1) COAT OF 3 MILS MINIMUM INTERNATIONAL INTERZINC 22
 -SUPPLY AND APPLY (1) COAT OF 2 MILS MINIMUM INTERNATIONAL INTERSEAL 670HS
 -SUPPLY AND APPLY (1) COAT OF 2 MILS MINIMUM INTERNATIONAL INTERTHANE 990 BLANC
 TANK WEIGHT EMPTY: 19753 PND5
 OPERATING WEIGHT: 97893 PND5
 TEST WEIGHT: 103249 PND5
4. FOR DESIGN, SEISMIC AND WIND LOAD REFER TO ASME CALCULATIONS REPORT.
5. PSV'S DISCHARGE PIPING TO SAFE LOCATION, INCLUDING PIPE SUPPORTS. SAFE LOCATION AT LEAST 10 FT. ABOVE PLATFORM
6. RELIEF VALVE SPOOL (ITEM #2), INSTRUMENTS AND PLATFORM TO BE SHIPPED LOOSE

9	PLATFORM UPDATED W/ EXTENDED GRID. REISSUED FOR CONSTRUCTION.	Y.V.	2021-12-02
8	PLATFORM UPDATED. REISSUED FOR CONSTRUCTION.	Y.V.	2021-11-04
7	TANK LIFTING LUGS MODIFIED. REISSUED FOR CONSTRUCTION.	Y.V.	2021-07-30
6	REVISED AS PER MANUFACTURER NOZZLES ARRANGEMENT. REISSUED FOR CONSTRUCTION.	Y.V.	2021-07-09
5	REVISED AS PER CLIENT COMMENTS. REISSUED FOR CONSTRUCTION.	Y.V.	2021-05-07
4	REVISED AS PER CLIENT COMMENTS. REISSUED FOR CONSTRUCTION.	Y.V.	2021-04-16
3	REVISED AS PER CLIENT COMMENTS. REISSUED FOR CONSTRUCTION.	Y.V.	2020-12-07
2	REVISED AS PER CLIENT COMMENTS. REISSUED FOR CONSTRUCTION.	Y.V.	2020-10-16
1	REVISED AS PER CLIENT COMMENTS. ISSUED FOR CONSTRUCTION.	Y.V.	2020-07-24
C	REISSUED FOR CLIENT APPROVAL	Y.V.	2020-05-01
B	REISSUED FOR CLIENT APPROVAL	Y.V.	2020-03-06
A	ISSUED FOR CLIENT APPROVAL	Y.V.	2020-01-28

Cleaveor Inc.	
545, Fernand-Poiras, Terrebonne (Québec) J6Y 1Y5, CANADA	
Tél.: (514) 326-2571	Fax.: (514) 326-9347
CONFIDENTIALITY NOTICE	AVIS DE CONFIDENTIALITÉ
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ECHELLE SCALE	1/32"=1"
CONCEPTION DESIGN	Y.Y. 2020-01-24
DESIGNE DRAWN	Y.Y. 2020-01-27
(unless otherwise specified, all dimensions are in inches)	
(sauf indication contraire, toutes les dimensions sont en pouces)	
TOLERANCES	XXXX ± 1/16 XXX ± 1/32 XX ± 3/64 Fmt. ± 1/16" Arg. ± 1"

TITRE - TITLE				
NATCOM SCR				
AMMONIA STORAGE TANK- GENERAL ARRANGEMENT				
PROJET - PROJECT				
CB&I - BAYPORT POLYMERS - BORSTARBAY, BAYPORT, TX				
BOILERMODEL # NB-200D-45				
REFERENCE CLIENT REFERENCE	CP-4618/19	CLIENT:	CB-LINCOLN BOILER COMPANY	
REFERENCE NATCOM REFERENCE	20371	DESSIN DRAWING	No. NP-1500	REV. 1/2 



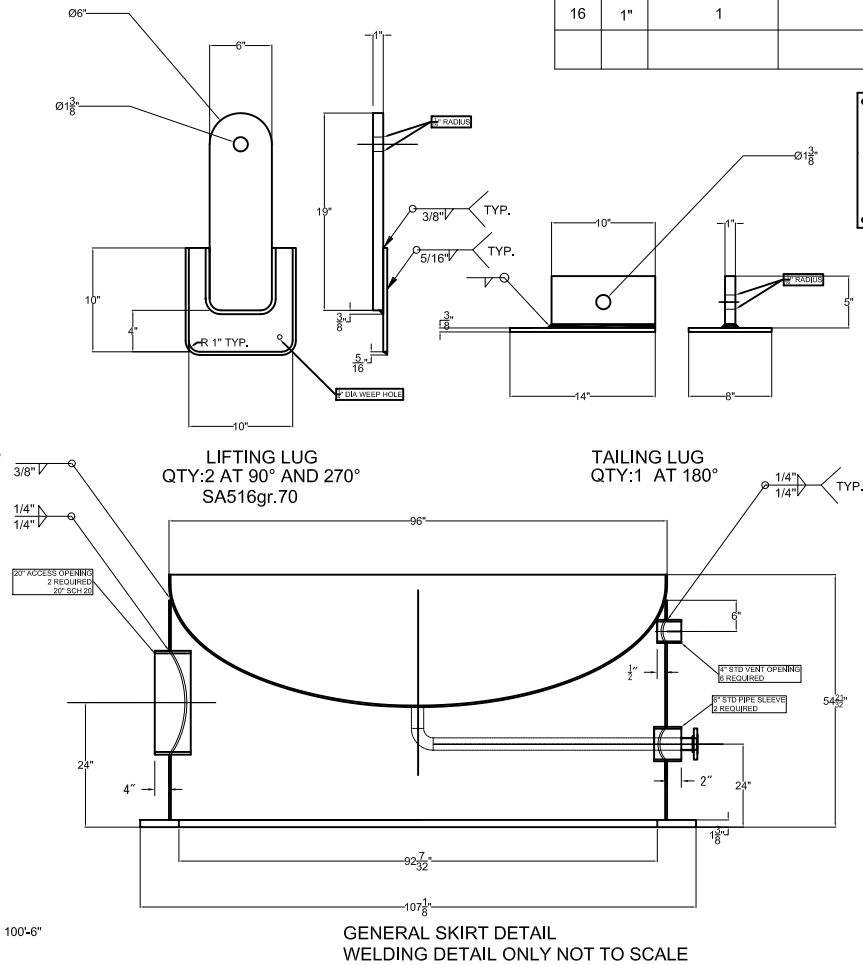
NOTES:

PER CODE ASME SEC VII DIV.1 2019 PARAG. UW-11(c) AND UW-12(c)
CERTIFICATION: U-STAMP
INTERNAL DESIGN PRESSURE: 15 PSIG (103 kPa)
FULL VACUUM: 15 PSIG (103 kPa) AT 150°F
HYDROSTATIC TEST: 19.5 PSI (134 kPa)
DESIGN TEMPERATURE: 150°F (66°C)
MDMT: 15°F
HEAT TREATMENT EXEMPTION PER UCS-56(b)
IMPACT TEST EXEMPTION PER UG-20(f)
MATERIAL: SHELL SA-36 0.375\"/>

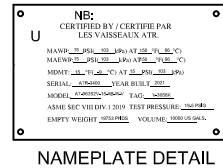
TANK WEIGHT EMPTY : 19753 PNDs
OPERATING WEIGHT: 97893 PNDs
TEST WEIGHT 103249 PNDs

LOADING DATA					
WIND	SHEAR FORCE (lbf/ft)	MOMENT (lbf-ft/ft)	OPERATION		TEST
			WIND	WIND	
			17000 / 2394	17000 / 2394	N/A
SEISMIC	SHEAR FORCE (lbf/ft)	MOMENT (lbf-ft/ft)	OPERATION		TEST
			WIND	WIND	
			17000 / 2394	17000 / 2394	N/A

The wind/seismic loads are service loads and a factor 0.6/0.7 is already considered for wind/seismic respectively



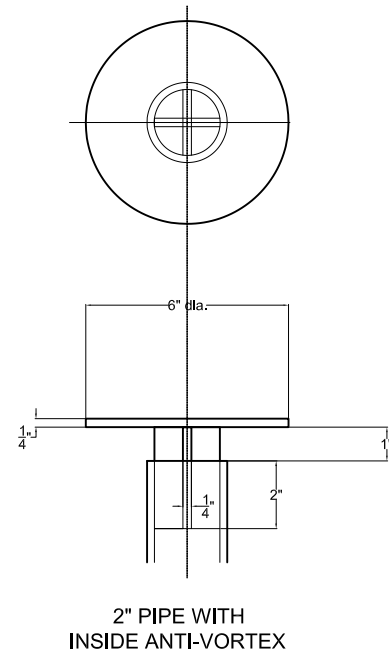
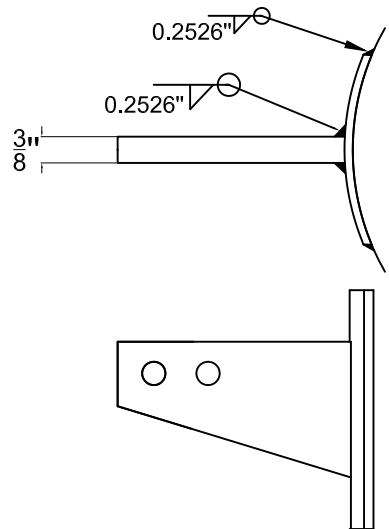
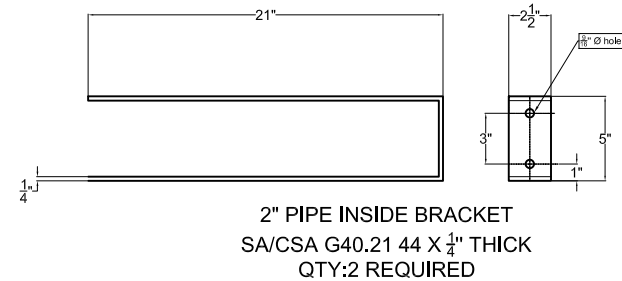
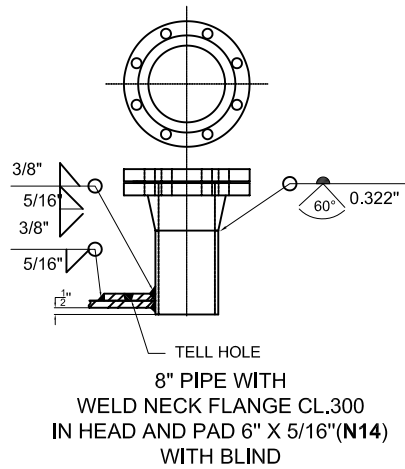
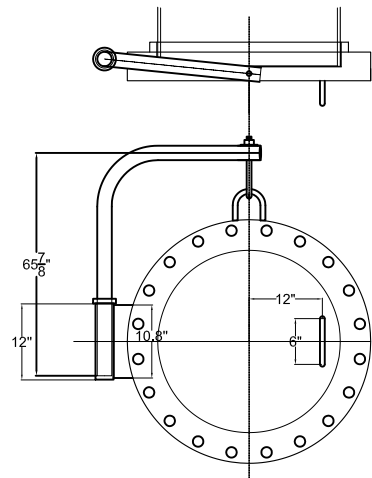
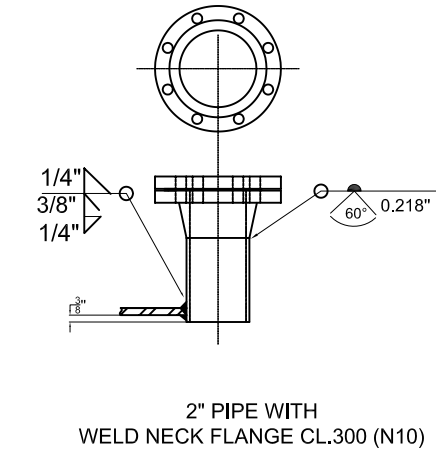
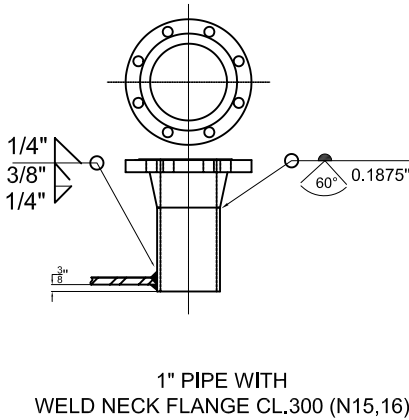
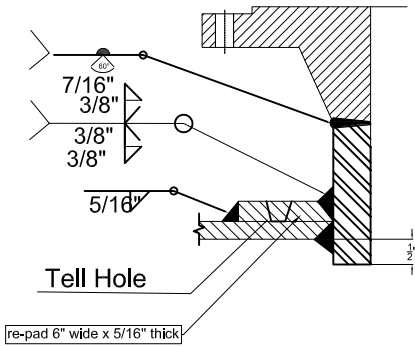
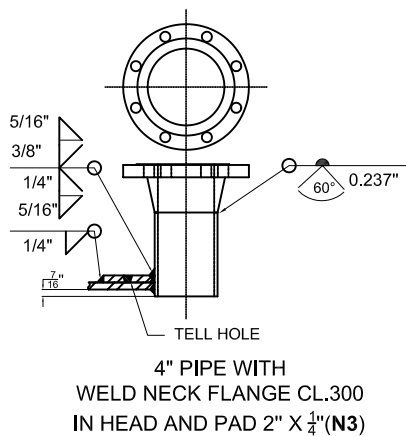
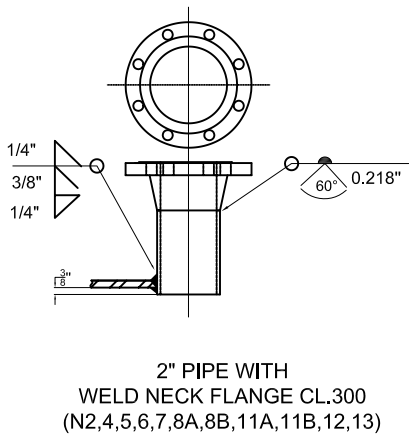
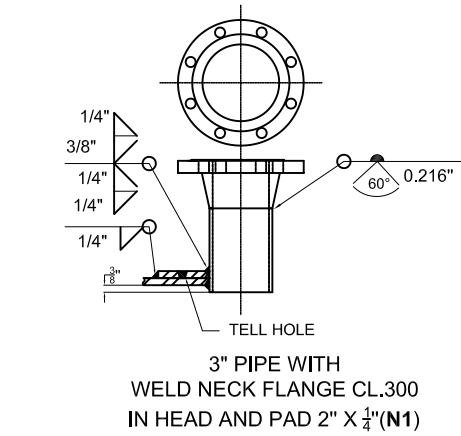
NO.	NPS	NO. REQUIRED	SERVICE	SCHEDULE	RATING	PROJECTION	RE-PAD SIZE	REMARK
1	3"	1	Pressure Safety Valve	SCH 40	CL.300	6"	2" x 0.25" th'k	----
2	2"	1		SCH 80	CL.300	6"	----	----
3	4"	1	Level Transmitter (Radar)	SCH 40	CL.300	8"	2" x 0.25" th'k	----
4	2"	1		SCH 80	CL.300	6"	----	----
5	2"	1		SCH 80	CL.300	6"	----	----
6	2"	1		SCH 80	CL.300	6"	----	----
7	2"	1	Pressure Transmitter	SCH 80	CL.300	6"	----	----
8A 8B	2"	2	Level Gauge A (magnetic)	SCH 80	CL.300	6"	----	----
9	24"	1	MANWAY WITH DAVIT	SCH 40	CL.300	10"	6" WIDTH X 0.3125" THICK	WITH BLIND
10	2"	1		SCH 80	CL.300	6"	----	WITH BLIND
11A 11B	2"	2	Level Gauge B (magnetic)	SCH 80	CL.300	6"	----	----
12	2"	1	AMONIA OUTLET	SCH 80	CL.300	6"	----	----
13	2"	1	DRAIN	SCH 80	CL.300	6"	----	----
14	8"	1	AIRWAY	SCH 40	CL.300	8"	6" WIDTH X 0.3125" THICK	----
15	1"	1		SCH 80	CL.300	8"	----	----
16	1"	1		SCH 80	CL.300	8"	----	----



21		2021/06/15
20	detail change	2021/06/10
19	detail change	2021/05/05
18	detail change	2021/04/30
17	detail change	2021/04/08
16	detail change	2021/03/29
15	detail change	2021/03/22
14	nozzle 15 orientation change	2020/11/27
13	weight change	2020/09/28
12	nozzle 15,16 added	2020/08/28
11	Weight added	2020/07/15
10	detail added, generals change	2020/07/08
9	Platform position change	2020/07/03
8	pipe supports added	2020/06/03
7	bolts material and size change	2020/05/15
6	loading change and vacuum ring	2020/05/11
5	general change	2020/04/30
4	general change	2020/04/24
3	general change	2020/04/17
2	Data added	2020/03/27
1	Data added	2020/03/12
0	FOR APPROBATION	2020/03/04
REV.	DESCRIPTION	DATE

Gestions L.B.G. inc.
LES VAISSEAUX ATR INC.

CLIENT:	NATCOM		
	545 Fernand-Poirtras Terrebonne, Qc J6Y 1Y5 VOTRE P.O. : N54470		
PROJET:	McDermott, Texas		
	AMMONIA STORAGE TANK V-3058X 96"Ø X 352" @ 15 PSI		
DES. PAR	APP. PAR	DATE	
D.L.	G.M.	2020/03/04	
ECHELLE	NO. DESSIN		REV.
AUCUN	AT-96352V-15-AB-W-V (1 de 2)		21



NO.	NPS	NO. REQUIRED	SERVICE	SCHEDULE	RATING	PROJECTION	RE-PAD SIZE	REMARK
1	3"	1	Pressure Safety Valve	SCH 40	CL.300	6"	2" x 0.25" th'k	---
2	2"	1		SCH 80	CL.300	6"	---	---
3	4"	1	Level Transmitter (Radar)	SCH 40	CL.300	8"	2" x 0.25" th'k	---
4	2"	1		SCH 80	CL.300	6"	---	---
5	2"	1		SCH 80	CL.300	6"	---	---
6	2"	1		SCH 80	CL.300	6"	---	---
7	2"	1	Pressure Transmitter	SCH 80	CL.300	6"	---	---
8A 8B	2"	2	Level Gauge A (magnetic)	SCH 80	CL.300	6"	---	---
9	24"	1	MANWAY WITH HINGE	SCH 40	CL.300	10"	6" WIDTH X 0.3125" THICK	WITH BLIND
10	2"	1		SCH 80	CL.300	6"	---	WITH BLIND
11A 11B	2"	2	Level Gauge B (magnetic)	SCH 80	CL.300	6"	---	---
12	2"	1	AMMONIA OUTLET	SCH 80	CL.300	6"	---	---
13	2"	1	DRAIN	SCH 80	CL.300	6"	---	---
14	8"	1	AIRWAY	SCH 40	CL.300	8"	6" WIDTH X 0.3125" THICK	---
15	1"	1		SCH 80	CL.300	8"	---	---
16	1"	1		SCH 80	CL.300	8"	---	---

NOTES:

PER CODE ASME SEC.VIII DIV.1 2019 PARAG. UW-11(c) AND UW-12(c)

CERTIFICATION: U-STAMP

INTERNAL DESIGN PRESSURE: 15 PSI (103 kPa)

FULL VACUUM: 15 PSI (103 kPa) AT 150°F

HYDROSTATIC TEST: 19.5 PSI (134 kPa)

DESIGN TEMPERATURE: 150°F (66°C)

MDMT: 15°F

HEAT TREATMENT EXEMPTION PER UCS-56(b)

IMPACT TEST EXEMPTION PER UCS-20(f)

MATERIAL: SHELL SA-36 0.3125" NOM

GASKETS: SS304 SPIRAL WOUND ASME B16.20

HEAD:SE 2:1 96" od X 0.375" NOM 0.3125" MIN 2" SF SA-516 GR.70

WELD NECK FLANGE R.F SA-105N CL.300

BLIND FLANGES RF SA-105N CL.300

PIPE SA-106 GR.B SCH PER NOZZLE TABLE

LIFTING LUG SA-516 GR.70

SKIRT THICKNESS 0.375", BASE PLATES, VACUUM RING, SA-36

STUDS: SA-193 B7, NUTS SA-194 2H

CORROSION ALLOWANCE: 0.0625"

NDE: MT ON WELDS AND UT WHERE CLIPS AND LIFTING LUGS APPROX. WEIGHT 18100 LBS (8210 Kg.)

CAPACITY: 10000 GALLON US. (37855 LTS)

INSIDE FINISH: MANUAL CLEANING

EXTERIOR FINISH: GRITBLAST OR SANDBLAST (NEAR WHITE METAL) SSPC-SP-10 AND

-SUPPLY AND APPLY (1) COAT OF 3 MILS MINIMUM INTERNATIONAL INTERZINC 22

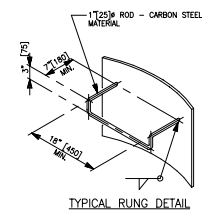
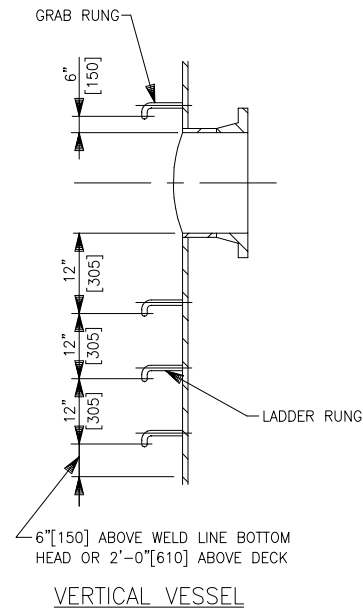
-SUPPLY AND APPLY (1) COAT OF 4 MILS MINIMUM INTERNATIONAL INTERSEAL 670HS

-SUPPLY AND APPLY (1) COAT OF 2 MILS MINIMUM INTERNATIONAL INTERTHANE 990 BLANC

TANK WEIGHT EMPTY : 18100 PNDS

OPERATING WEIGHT: 83380 PNDS

TEST WEIGHT 101750 PNDS



Gestions L.B.G. inc.
LES VAISSEaux ATR INC.

CLIENT: **NATCOM**
545 Fernand-Poitras Terrebonne, Qc J6Y 1Y5
VOTRE P.O. : N54470

PROJET: **McDermott, Texas**

AMONIAC STORAGE TANK

96"Ø X 352" @ 15 PSI

DES. PAR: **D.L.** APP. PAR: **G.M.** DATE: **2020/03/04**

ECHELLE: **AUCUN** NO. DESSIN: **AT-96352V-15-AB-W-V (2 de 2)** REV.: **21**