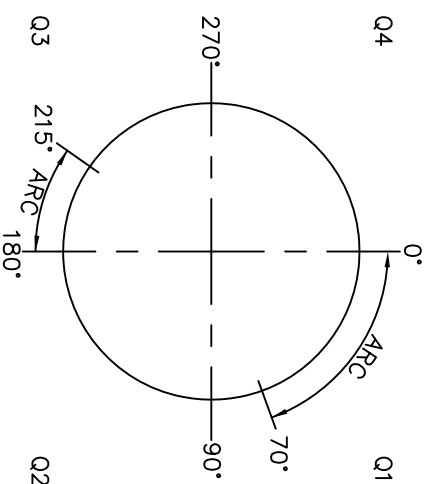


FITTING / STRUCTURAL SCHEDULE

CUST MARK	GLM MARK	GLM ASS'Y	QTY.	SIZE	DESCRIPTION	SERVICE	PIPE SCH.	O.S.P.	I.S.P.	REFERENCE DATUM	ELEVATION FROM DATUM	QUADRANT CENTER	ORIENTATION ANGLE	ARC LENGTH FROM MAJOR C.	GLM MARK
N1	N1	5-A	1	8"	150# RFSO NOZZLE c/w RFBF & REPAD	VAPOUR RECOVERY	STD WT	0'-8"	FLUSH	-	ROOF	CENTER	CENTER	-	N1
N2	N2	6-A	1	24"	Ø API 650 ROOF M'WAY w/ 16" Ø ENARDO EMERGENCY VENT (SET @ 16 oz.), REDUCING COVER, BOLTING, & GASKET	VENT	LIGHT WALL	0'-8"	FLUSH	-	ROOF	Q1	30°	4'-6 3/16"	N2
N3	N3	7-A	1	4"	150# RFSO NOZZLE c/w REPAD (INSTALLED IN M1)	-	XS	0'-8"	1/4"	T.O.B.	0'-4 1/2"	Q2	170°	12'-0 1/2"	N3
N4	N4A	8-A	3	4"	150# RFSO NOZZLE	STINGER	XS	0'-8"	1/4"	T.O.B.	0'-6"	Q2	120°	4'-6 3/16"	N4A
A/C	N4B						XS	0'-8"	1/4"	T.O.B.	0'-6"	Q3	225°	6'-9 9/32"	N4B
N4C							XS	0'-8"	1/4"	T.O.B.	0'-6"	Q1	45°	6'-9 9/32"	N4C
N5	N5A	8-A	2	4"	150# RFSO NOZZLE	STINGER	XS	0'-8"	1/4"	T.O.B.	4'-0"	Q2	120°	4'-6 3/16"	N5A
A/B	N5B						XS	0'-8"	1/4"	T.O.B.	4'-0"	Q3	225°	6'-9 9/32"	N5B
N6	N6A	9-A	2	2"	150# RFSO NOZZLE c/w REM. SCH	HEAT COIL	XS	0'-8 3/16"	0'-5"	T.O.B.	2'-7 1/2"	Q4	285.32°	2'-3 11/16"	N6A
A/B	N6B						XS	0'-8 3/16"	0'-5"	T.O.B.	2'-7 1/2"	Q4	278.68°	1'-3 11/16"	N6B
N7	N7A	9-A	2	2"	150# RFSO NOZZLE c/w REM. SCH	HEAT COIL	XS	0'-8 3/16"	0'-5"	T.O.B.	2'-7 1/2"	Q4	273.32°	0'-6"	N7A
A/B	N7B						XS	0'-8 3/16"	0'-5"	T.O.B.	2'-7 1/2"	Q3	266.68°	13'-0 9/16"	N7B
N8	N8A	10-A	2	6"	150# RFSO NOZZLE c/w INT. REM.	DIFFUSER	XS	0'-8"	0'-6"	T.O.B.	25'-0"	Q3	225°	6'-9 9/32"	N8A
A/B	N8B						XS	0'-8"	0'-6"	T.O.B.	25'-0"	Q1	45°	6'-9 9/32"	N8B
N9	N9A	11-A	4	3"	150# RFSO NOZZLE c/w INT. REM.	-	XS	0'-10 13/16"	0'-6"	T.O.B.	2'-0"	Q1	13.41°	2'-0 7/32"	N9A
A/D	N9B						XS	0'-8 11/16"	0'-6"	T.O.B.	2'-0"	Q4	353.34°	12'-6 9/16"	N9B
N9C							XS	0'-8"	0'-6"	T.O.B.	2'-0"	Q4/Q1	0°	0'-0"	N9C
	N9D						XS	0'-10 13/16"	0'-6"	T.O.B.	2'-0"	Q4	346.59°	11'-6 11/32"	N9D
N10	N10	12-A	1	3"	150# RFSO NOZZLE c/w INT. REM.	SKIMMER	XS	0'-8 11/16"	0'-6"	T.O.B.	2'-0"	Q1	6.66°	1'-0 1/32"	N10
N11	N11A	9-A	2	2"	150# RFSO NOZZLE c/w REM. SCH	HEAT COIL	XS	0'-8 3/16"	0'-5"	T.O.B.	2'-7 1/2"	Q3	261.32°	12'-2 29/32"	N11A
A/B	N11B						XS	0'-8 3/16"	0'-5"	T.O.B.	2'-7 1/2"	Q3	254.68°	11'-2 29/32"	N11B
N12	N12A	17-A	2	14"	Ø FABRICATED NOZZLE (FLG SUPPLIED BY CUSTOMER. CUSTOMER TO ASSIST IN INSTALLING NOZZLE)	AUGER	XS	0'-8"	1/4"	T.O.B.	1'-2 3/4"	Q2	135°	6'-9 9/32"	N12A
A/B	N12B						XS	0'-8"	1/4"	T.O.B.	1'-2 3/4"	Q4	315°	6'-9 9/32"	N12B
N14	N14	13-A	1	4"	150# RFSO NOZZLE	GAS BLANKET SUPPLY	STD WT	0'-8"	1/4"	-	ROOF	Q4/Q1	0°	0'-0"	N14
N15	N15	13-B	1	2"	150# RFSO NOZZLE	GAS SIGNAL	STD WT	0'-8"	1/4"	-	ROOF	Q4	333.43°	9'-6 19/32"	N15
C1	C1A	14-A	7	3/4"	3000# NPT FORGING x 3 1/2" LG c/w INT. RISER, BALL VALVE, 4'-0" REM. SAMPLE BOX w/ 1"Ø HALF	SAMPLE	-	0'-3"	1/4"	T.O.B.	3'-9"	Q1	53.03°	7'-11 25/32"	C1A
A/G	C1B						-	0'-3"	1/4"	T.O.B.	3'-9"	Q1	56.35°	8'-5 13/16"	C1B
	C1C						-	0'-3"	1/4"	T.O.B.	3'-9"	Q1	59.68°	8'-11 13/16"	C1C
	C1D						-	0'-3"	1/4"	T.O.B.	3'-9"	Q1	63°	9'-5 13/16"	C1D
	C1E						-	0'-3"	1/4"	T.O.B.	3'-9"	Q1	66.32°	9'-11 13/16"	C1E
	C1F						-	0'-3"	1/4"	T.O.B.	3'-9"	Q1	69.65°	10'-5 13/16"	C1F
	C1G						-	0'-3"	1/4"	T.O.B.	3'-9"	Q1	72.97°	10'-11 13/16"	C1G
C2	C2A	15-A	3	3/4"	3000# NPT FORGING x 3 1/2" LG c/w TEMPERATURE INDICATOR &	TEMP. IND.	-	0'-3"	1/4"	T.O.B.	10'-0"	Q2	95°	0'-9"	C2A
A/C	C2B						-	0'-3"	1/4"	T.O.B.	18'-6"	Q2	95°	0'-9"	C2B
	C2C						-	0'-3"	1/4"	T.O.B.	37'-0"	Q2	95°	0'-9"	C2C
C3	C3A	15-B	6	1"	3000# NPT FORGING x 3 1/2" LG	SAND LEVEL	-	0'-3"	1/4"	T.O.B.	4'-0"	Q3	236.29°	8'-5 11/16"	C3A
A/F	C3B					TEST	-	0'-3"	1/4"	T.O.B.	5'-9"	Q3	233.83°	8'-1 1/4"	C3B
	C3C						-	0'-3"	1/4"	T.O.B.	8'-0"	Q3	231.36°	7'-8 25/32"	C3C
	C3D						-	0'-3"	1/4"	T.O.B.	4'-0"	Q2	128.64°	5'-9 13/16"	C3D
	C3E						-	0'-3"	1/4"	T.O.B.	5'-9"	Q2	126.17°	5'-5 11/32"	C3E
	C3F						-	0'-3"	1/4"	T.O.B.	8'-0"	Q2	123.71°	5'-0 29/32"	C3F
C4	C4	15-B	1	1"	3000# NPT FORGING x 3 1/2" LG	STEAM	-	0'-3"	1/4"	T.O.B.	5'-9"	Q3	250°	10'-6 7/16"	C4
C5	C5A	15-B	3	1"	3000# NPT FORGING x 3 1/2" LG	TEMP. PROBE	-	0'-3"	1/4"	T.O.B.	9'-0"	Q4	281.75°	1'-9 7/32"	C5A
A/C	C5B						-	0'-3"	1/4"	T.O.B.	17'-0"	Q3/Q4	270°	0'-0"	C5B
	C5C						-	0'-3"	1/4"	T.O.B.	25'-0"	Q3	258°	11'-8 29/32"	C5C
-	FLG	24-A	1	2"	Ø PIPE FLAG HOLDER x 1'-0" LG	-	-	0'-3"	N/A	-	ROOF	Q1	45°	6'-9 9/32"	FLG
-	C6	25-A	1	3/4"	3000# NPT FORGING x 3 1/2" LG c/w PULLEY SYSTEM, CABLE & WINCH	-	-	0'-3"	1/4"	-	ROOF	Q1	7.81°	1'-2 3/32"	C6

NOZZLE LOCATION NOTES:

1. ELEVATIONS ARE GIVEN REFERENCEING NEAREST DATUM LOCATED BELOW ITEM LOCATION.
2. ALL ARC LENGTHS ARE MEASURED ON OUTSIDE OF BOTTOM SHELL COURSE (OUTSIDE DIAMETER = 17'-3")
3. ARCS ARE MEASURED CLOCKWISE REFERENCEING NEAREST MAJOR CENTERLINE
4. TANK CIRCUMFERENCE = 54'-2 5/16"
90° ARC LENGTH = 13'-6 9/16"



ARC DIMENSION DIAGRAM

CERTIFIED FOR
CONSTRUCTION
BY _____
DATE _____

ANY CHANGES AFTER THIS DATE MAY
CAUSE SIGNIFICANT DELAYS AND/OR
ADDITIONAL COSTS TO THE PROJECT.

G.L.M. Tanks & Equipment Ltd.



ENGINEERING: NISKU		FABRICATION: NISKU	
PROJECT ENG. APPROVAL & DATE:		1▶ 05/26/99 REV'D AS PER CUSTOMER MARK UPS REC'D ON 05/20/99	
CHECKED BY & DATE:		2▶ 06/07/99 REV'D AS SHOWN 3▶ 06/08/99 REV'D AS SHOWN 4▶ 06/25/99 REV'D AS SHOWN	
DRAWN BY J. OVELSON & DATE: MAY 12, 1999		NO. DATE REVISION NOZZLE SCHEDULE CANADIAN CRUDE SEPARATORS 17'-3" O.D. x 48'-0" HIGH PROCESS TANK DRAYTON VALLEY, AB	
TOLERANCES: API-650 9th EDITION		BY CHK'D	
CRN # / NATL BD # N/A		SCALE: N.T.S.	
PURCHASE ORDER # 811		DRAWING J-99-088-1-2a NUMBER	
		REV. 4	