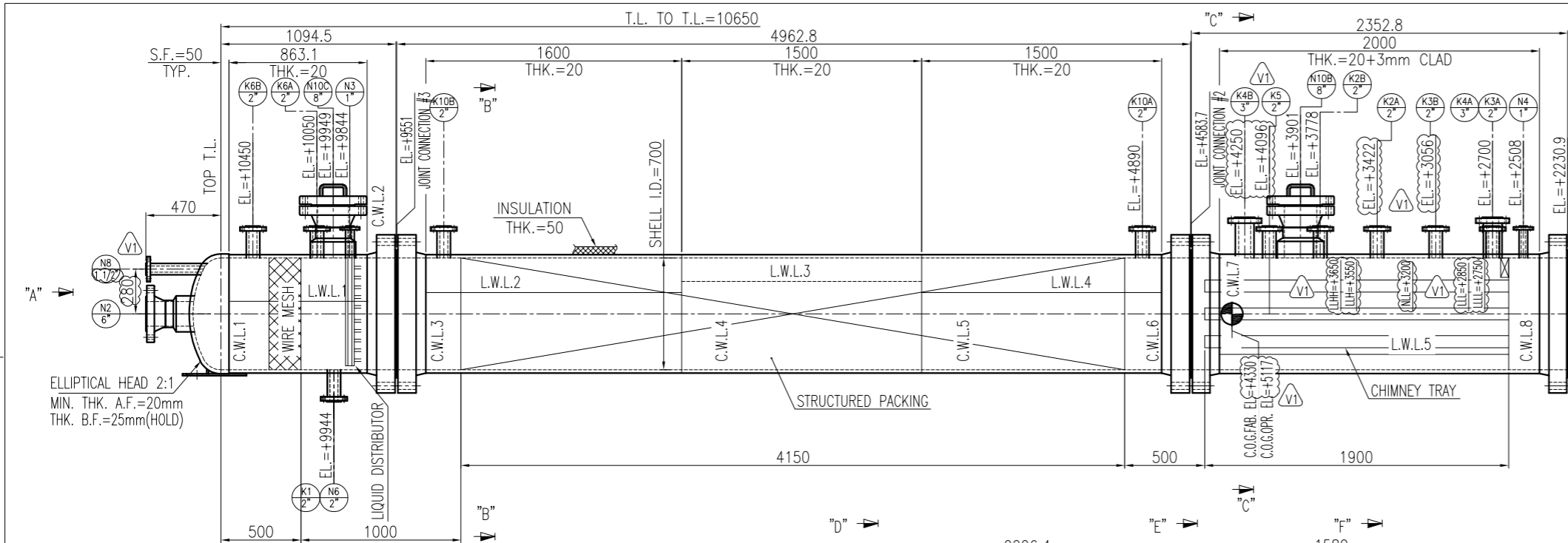


A

B

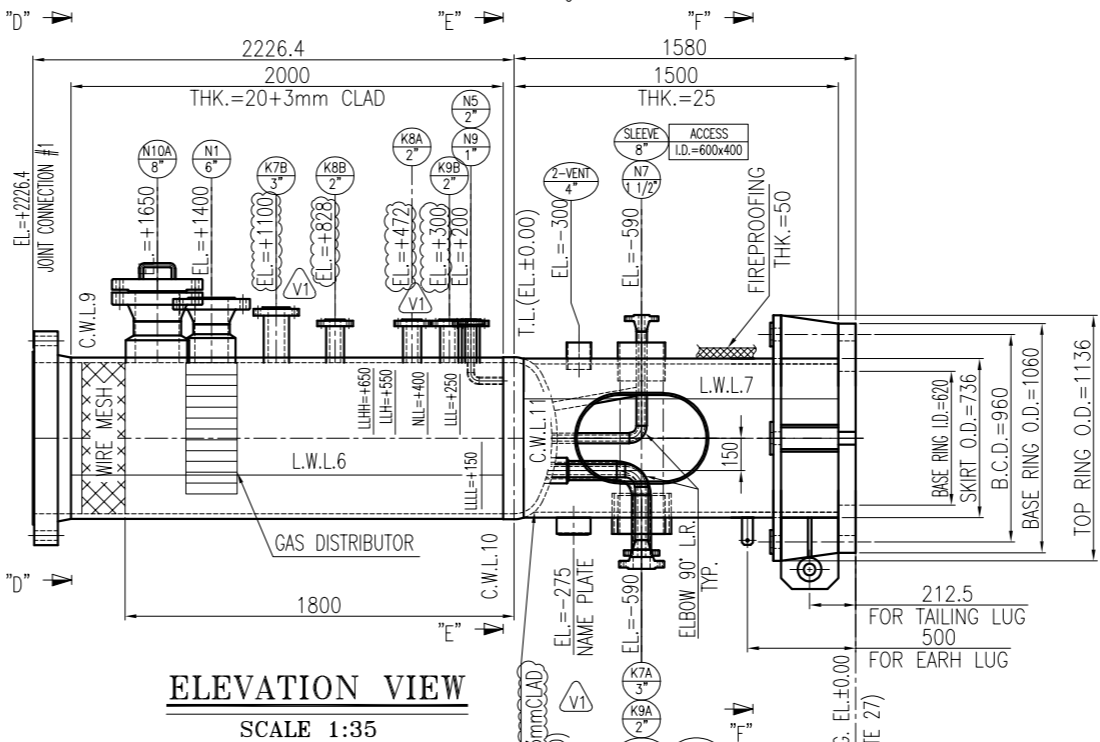
C

D



NOZZLE TABLE											
MARK	FLUID / DESCRIPTION	QTY.	SIZE	RATING	TYPE	FACING	SCH./ THK.	REINFORCE PAD			REMARK
								DIA.	THK.	HEIGHT	
N1	WET GAS INLET	1	6"	600#	W.N.	R.F.	STD/-	-	-	90	WITH DISTRIBUTOR
N2	DRY GAS OUTLET	1	6"	600#	W.N.	R.F.	80/-	-	-	90	SEE DWG.
N3	GLYCOL INLET	1	1"	600#	L.W.N.	R.F.	-/14.3	-	-	-	550
N4	GLYCOL OUTLET	1	1"	600#	L.W.N.	R.F.	-/14.3	-	-	-	550 WITH VORTEX BREAKER
N5	UTILITIES CONNECTION	1	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
N6	PSV	1	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
N7	DRAIN	1	1 1/2"	600#	W.N.	R.F.	XXS/-	-	-	-	570
N8	VENT	1	1 1/2"	600#	L.W.N.	R.F.	-/16	-	-	-	SEE DWG.
N9	CONDENSATE OUTLET	1	1"	600#	L.W.N.	R.F.	-/14.3	-	-	-	550 WITH SUCTION PIPE
N10A/B	HANDHOLES	2	8"	600#	W.N.	R.F.	STD/-	-	-	80	WITH BLIND, BOLTS & NUTS
N10C	HANDHOLES	1	8"	600#	W.N.	R.F.	80/-	-	-	80	WITH BLIND, BOLTS & NUTS
K1	PRESSURE GAUGE	1	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
K2A/B	GLYCOL LEVEL TRANSMITTER (LHH)	2	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
K3A/B	GLYCOL LEVEL TRANSMITTER (LLL)	2	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
K4A/B	GLYCOL STAND PIPE (LICLG)	2	3"	600#	L.W.N.	R.F.	-/20.4	-	-	-	605
K5	TEMPERATURE TRANSMITTER	1	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
K6A/B	PRESSURE DIFFERENTIAL TRANSMITTER (PDT)	4	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
K7A	CONDENSATE STAND PIPE (LICLG)	1	3"	600#	W.N.	R.F.	STD/-	-	-	50	20 10 605
K7B	CONDENSATE STAND PIPE (LICLG)	1	3"	600#	L.W.N.	R.F.	-/20.4	-	-	-	605
K8A/B	CONDENSATE LEVEL TRANSMITTER (LHH)	2	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550
K9A	CONDENSATE LEVEL TRANSMITTER (LLL)	2	2"	600#	W.N.	R.F.	XXS/-	-	-	-	550
K9B	CONDENSATE LEVEL TRANSMITTER (SLI)	1	2"	600#	L.W.N.	R.F.	-/16.6	-	-	-	550

M A T E R I A L   T A B L E			
DESCRIPTION	DESIGNATION	DESCRIPTION	DESIGNATION
SHELL	SA-516 70N (NOTE 4)	REINFORCING PAD	SA-516 70N
HEAD	SA-516 70N (NOTE 4)	LIFTING LUG	SA-283 C
NOZZLE NECK (PIPE/PLATE)	SA-106 Gr.BN/SA-516 70N (NOTE 4)	INSUL/FIREPROOFING SUPPORT	SA-516 70N
NOZZLE FLANGE/FORGING	SA-105 N (NOTE 4)	STIFFENING RING	-
WELDING FITTING	SA-234 WPB N (NOTE 4)	EXTERNAL WELDED ATTACHMENTS	SA-516 70N
SKIRT	SA-516 70N	INTERNAL WELDED/REMOVABLE	SA-516 70N/SS 316L
ANCHOR CHAIR	SA-283 C	NAME PLATE	SS 304
BOLTS/NUTS MATERIAL <span>⚠️</span>		GASKET MATERIAL	
ANCHOR BOLTS(BY OTHER)	F1554 Gr.36 (NOTE 14)	GASKET	(NOTE 8)
EXTERNAL(BOLTS/ NUTS)	SA-193 B7M/SA-194 2HM		
INTERNAL(BOLTS/NUTS)	SA-193 B8M/SA-194 8M		
<span>⚠️</span> WEIGHTS (kg)		<span>⚠️</span>	
FABRICATED	8,586 (NOTE 31)	SHOP HYDROTEST	12,556
OPERATING	16,088	FIELD HYDROTEST	15,343
SHUTDOWN (EMPTY)	12,732	INTERNALS	(NOTE 28)
ERRECTED	9,286	LADDERS & PLATFORMS	(NOTE 29)
LOADING DATA (NOTE 12 & 13)			
WIND		SEISMIC	
<span>⚠️</span> SHEAR (N)	MOMENT (N.m)	SHEAR (N)	MOMENT (N.m)
23983	198248	96876	864731



ELEVATION VIEW

SCALE 1:35

## GENERAL NOTE

- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS ARE SPECIFIED FROM EQUIPMENT T.L.  $\pm 0.00$
- ALL THICKNESS SHOWN IN THE DRAWING ARE INTENDED AS MINIMUM AF.
- 3MM SS316L CLADDING HAS BEEN APPLIED IN THE BOTTOM SECTION FROM BOTTOM HEAD UP TO JOINT CONNECTION #2 FOR ALL PARTS.
- UNLESS OTHERWISE NOTED OUTSIDE PROJECTIONS OF NOZZLES ARE MEASURED FROM VESSEL VERTICAL C.L. TO THE FLANGES CONTACT FACE. FACE OF RADIAL FLANGES ON SHELL SHALL BE PERPENDICULAR TO C.L.
- FLANGES FACING TO BE IN ACCORDANCE WITH ASME B.16.5 FOR 24" OR LESS AND ASME B.16.47 SERIES A FOR LARGER.
- FLANGES FACE FINISHING ARE SERRATED WITH 125 TO 250 MICRO INCH ROUGHNESS AS PER ASME B16.5 FOR 24" AND LESS. ALSO ASME B16.47 SERIES "A" FOR MORE THAN 24".
- GASKETS SHALL BE SPIRAL WOUND WITH FLEXIBLE GRAPHITE FILLER 4.5MM, HOOP SS316, INNER & OUTER RING SS316.
- BOLT HOLES FOR FLANGES SHALL BE STRADDLED TO NORTH-SOUTH AND/OR EQUIPMENT C.L.
- ALL SHARP CORNERS WILL BE ROUNDED OFF.
- ALL REMOVABLE INTERNALS PASS THROUGH THE MANHOLE I.D.=700MM.
- UN-FACTORED LOADS HAS BEEN APPLIED FOR LOAD COMBINATION AS PER ASCE-7 2010.
- FOR MORE SAFETY 10% CONTINGENCY FACTOR IS CONSIDERED ON BASE LOADS CALCULATIONS. SO, OVER LOADS MAY CHANGE THE LOADS & MOMENTS.
- ANCHOR BOLTS HAVE 135 MPa TENSILE ALLOWABLE STRESS AND 81 MPa SHEAR ALLOWABLE STRESS AS MINIMUM.
- ALL REINFORCED PAD HAVE 1/4" NPT TELLTAL HOLE WHICH WILL BE PLUGGED WITH GREASE AFTER THE HYDRO TEST.
- ALL REINFORCED PAD WILL BE AIR LEAK TESTED AT 1 BARG BY USING SOAP SOLUTION.
- FOR CLADDED PARTS 0mm CORROSION ALLOWANCE HAS BEEN CONSIDERED.
- PAINTING WILL BE PERFORMED BASED ON "SURFACE PREPARATION AND INTERNAL/EXTERNAL PAINTING PROCEDURE DOC. NO. BK-GCS-MF-120-QC-PR-0004"
- PWHT WILL BE PERFORMED BASED ON "PWHT PROCEDURE DOC NO. BK-GCS-MF-120-QC-PR-0006".
- ALL PRESSURE PARTS BUTT WELDED JOINTS ARE FULLY RADIOGRAPHED.
- ALL WELDS ARE CONTINUOUS UNLESS OTHERWISE NOTED.
- WHERE IN ISOLATED CASES REINFORCING PADS COVER VESSEL WELD SEAMS THESE WILL BE GROUND FLUSH AND FULLY RADIOGRAPHED FOR A DISTANCE OF 100MM MEASURED EACH SIDE OF THE COVERED WELD AREA PRIOR TO THE ATTACHMENT OF THE PAD.
- ALL INTERNAL WELDS WILL BE SMOOTH GRINDED.
- VESSEL HAS BEEN DESIGNED FOR FIELD HYDROTEST IN CORRODED CONDITION.
- ALL WET PART MATERIALS MEET "SPECIFICATION FOR MATERIAL REQUIREMENTS IN SOUR SERVICE DOC NO. "BK-GNRL-PEDCO-000-PI-SP-0008"
- ALL PRESSURE PARTS ARE NORMALIZED AND COMPLY WITH NACE MR0175/ISO 15156.
- THE EQUIPMENT ELEVATION OF T.O.G. WILL BE FINALIZED LATER.
- WILL BE FINALIZED LATER.
- ALL MATERIALS DIRECTED WELDED TO PRESSURE PARTS, IS SAME AS SHELL.
- THE FABRICATED WEIGHT IS INCLUDED THE WEIGHT OF 3mm SS316L CLAD OF CLADDED PARTS.

NOZZLE LOAD						
NOZZLE	SIZE	RATING	FORCE (kN)			MOMENT (kN-m)
			FL	FA	FC	
N02	6"	600#	9.6	9.6	7.2	2.88
N01	6"	600#	9.6	9.6	7.2	2.88

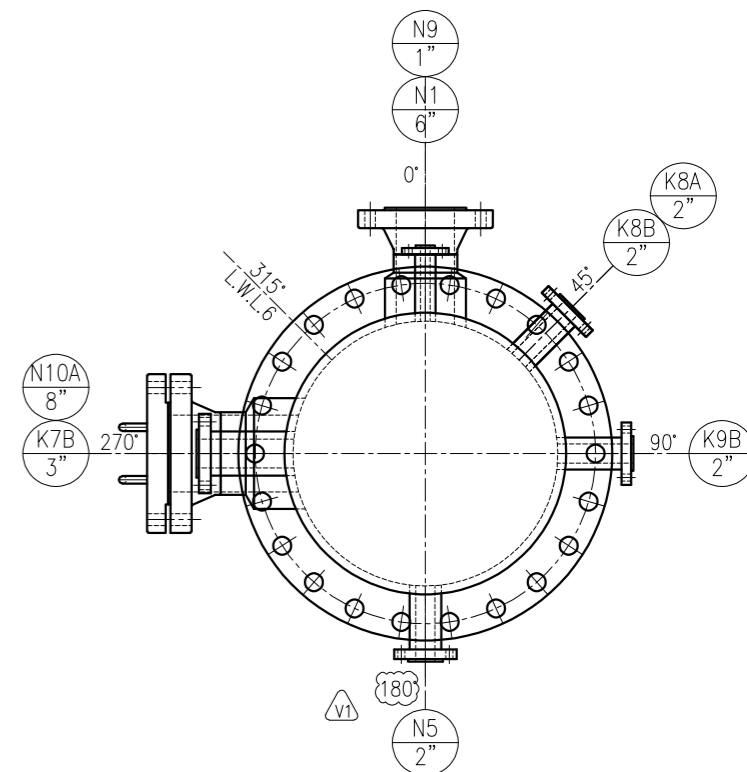
- NO COMMENT: Documents/Drawings were checked by PIDECC and further steps can be followed. Upon Putting No Comment on vendor documents by PIDECC, VOMS will lock it and there is not possible to upload any new revision, in this case vendors have to send their request through email to VDC for activating it.
- COMMENT AS MARKED, Manufacturing May Proceed: Means documents/drawings were checked by PIDECC and comments must be considered by vendor. Fabrication can proceed accordingly.
- MAJOR COMMENT AS MARKED, Manufacturing shall be on hold for the next revision: Means documents/drawings were checked by PIDECC and marked comments must be considered by vendor. Vendor shall revise documents/drawings as per comments and the new revision documents/drawings must be reissued prior to fabrication.
- REJECTED, new document with the same revision No. shall be issued : Means documents/drawings were checked and it is not comply with purchase requisition requirements.
- FOR INFORMATION.

Name:	Signature:	Req. No.:	Seq. No.:
Date:			

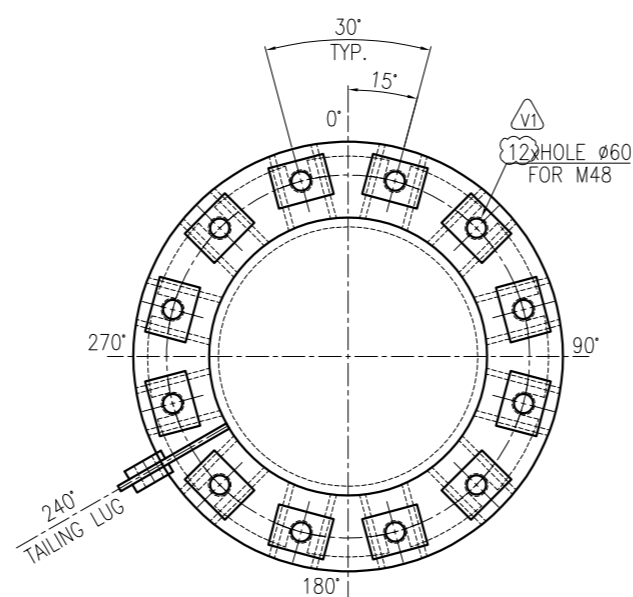
PIDECC review &amp; comments does not absolve the vendor of the responsibility for the correct design, manufacturing and operation of the equipment.

DE	EXT
Eng. Phase	Purpose of Distribution (POD)
	Purpose of Issue (POI)

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
V01	MAR.2025	ISSUED FOR APPROVAL	MFS	M.FAKHARIAN	S.FARMAZPOUR	***
V00	DEC.2024	ISSUED FOR APPROVAL	MFS	M.FAKHARIAN	S.FARMAZPOUR	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.: 971020						
EPC CONTRACTOR: HIRAN ENERGY - DESIGN & INSPECTION COMPANIES						
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY						
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS						
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
APPROVED FOR CONSTRUCTION			BY:	DATE:		
BUDGET REF	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NTS	A3	BK-GCS-MF-120-ME-DW-0001	1 OF 2	V01		



SEC. "D-D"  
SCALE 1:20



Technical drawing of an Anchor Chair Detail, showing front and side views with dimensions.

**Front View Dimensions:**

- Top flange width: 150
- Top flange thickness:  $t.16$
- Top flange hole diameter:  $\phi 52$
- Bottom flange width: 100
- Bottom flange thickness:  $t.12$  TYP.
- Bottom flange hole diameter:  $\phi 60$

**Side View Dimensions:**

- Top flange width: 200
- Top flange thickness: 110
- Top flange hole diameter:  $\phi 52$
- Bottom flange width: 265
- Bottom flange thickness:  $t.80$
- Bottom flange hole diameter:  $\phi 60$

**Overall Dimensions:**

- BASE RING I.D.=620
- SKIRT O.D.=736
- B.C.D.=960
- BASE RING O.D.=1060

**ANCHOR CHAIR DETAIL**

**SCALE 1:20**

T.L.	TANGENT LINE	N	NORMALIZED
B.L.	BASE LINE	P.W.H.T.	POST WELD HEAT TREATMENT
C.O.G.	CENTER OF GRAVITY	R.F.	RAISED FACE
EL.	ELEVATION	S.R.	STRESS RELIEVE
F.B.	FLAT BAR	S.F.	STRAIGHT FLANGE
L.L.H.	LIQUID LEVEL HIGH	T.L.	TANGENT LINE
L.L.H.H.	LIQUID LEVEL HIGH HIGH	T.O.G.	TOP OF GROUTING
L.L.L.	LIQUID LEVEL LOW	W.N.	WELDING NECK
L.L.L.L.	LIQUID LEVEL LOW LOW	L.W.L.	LONGITUDINAL WELDING LINE
N.L.L.	NORMAL LIQUID LEVEL	C.W.L.	CIRCUMFERENTIAL WELDING LINE
M.A.W.P.	MAX. ALLOWABLE WORKING PRESSURE	L.W.N.	LONG WELDING NECK
M.D.M.T.	MIN. DESIGN METAL TEMP.	R.T.	RADIOGRAPHY TEST
D.P.	DESIGN PRESSURE	INT.	INTERNAL
J.E.	JOINT EFFICIENCY	EXT.	EXTERNAL
L	LIQUID	H.P.P.	HIGHEST POINT OF PAVING
V.	VAPOR	THK.	THICKNESS
DWG	DRAWING	N.A.	NOT APPLICABLE

REFERENCE DRAWINGS	DRAWING NO.
MECHANICAL CALCULATION BOOK FOR GLYCOL CONTACTOR (C-100)	BK-GCS-MF-120-ME-CN-0001
DETAILS DRAWING FOR GLYCOL CONTACTOR (C-100)	BK-GCS-MF-120-ME-DW-0002
NAME PLATE DETAIL DRAWING FOR GLYCOL CONTACTOR (C-100)	BK-GCS-MF-120-ME-DW-0003
TEMPLATE DRAWING FOR GLYCOL CONTACTOR (C-100)	BK-GCS-MF-120-ME-DW-0004
WELDING & NDT MAP FOR GLYCOL CONTACTOR (C-100)	BK-GCS-MF-120-ME-MP-0001

[illegible]