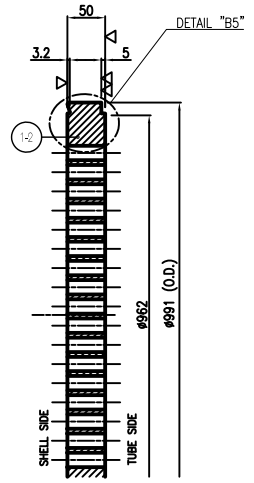
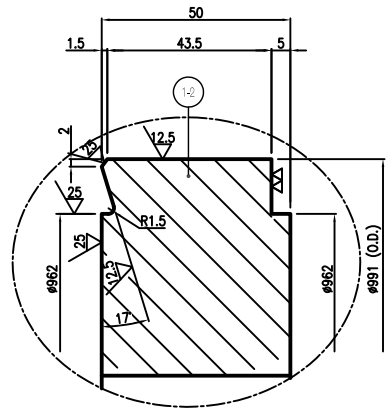


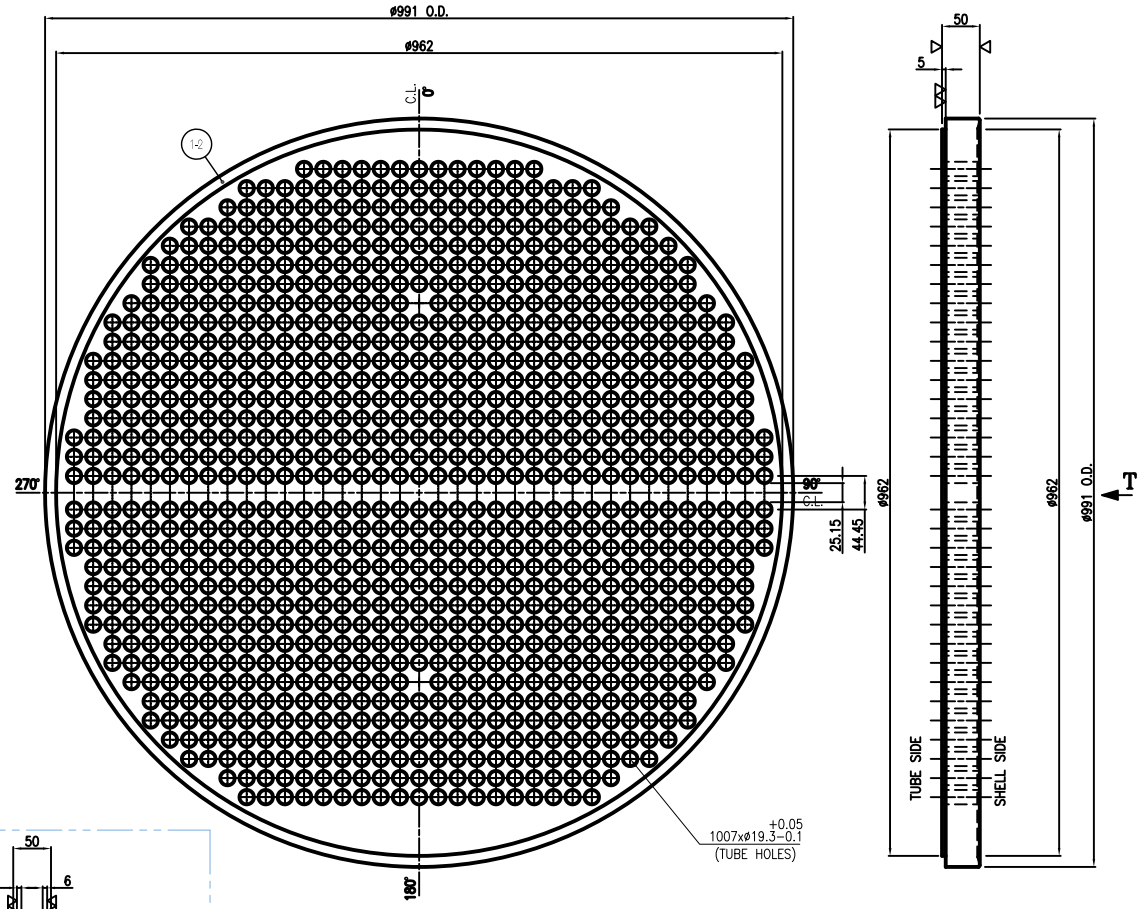
TUBE BUNDLE DETAIL
SC. 1:5



DETAIL "B5"
SC. 1:1

ROW 33–QTY.=13
ROW 32–QTY.=19
ROW 31–QTY.=21
ROW 30–QTY.=25
ROW 29–QTY.=27
ROW 28–QTY.=29
ROW 27–QTY.=29
ROW 26–QTY.=30
ROW 25–QTY.=33
ROW 24–QTY.=33
ROW 23–QTY.=35
ROW 22–QTY.=35
ROW 21–QTY.=35
ROW 20–QTY.=35
ROW 19–QTY.=37
ROW 18–QTY.=37
ROW 17–QTY.=37

ROW 16–QTY.=37
ROW 15–QTY.=37
ROW 14–QTY.=37
ROW 13–QTY.=35
ROW 12–QTY.=35
ROW 11–QTY.=35
ROW 10–QTY.=35
ROW 9–QTY.=33
ROW 8–QTY.=33
ROW 7–QTY.=30
ROW 6–QTY.=29
ROW 5–QTY.=29
ROW 4–QTY.=27
ROW 3–QTY.=25
ROW 2–QTY.=21
ROW 1–QTY.=19



VIEW "T"
SC. 1:5

DETAIL OF FLOATING TUBESHEET
SC. 1:5

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. DISH HEAD SHALL BE SUBJECTED TO POST FORM HEAT TREATMENT.
3. PLUGS SHALL BE INSERTED IN HOLES DURING OPERATION OF HEX. IN PORPOISE OF PULLING OF BUNDLE, THE PROTECTION LUGS SHALL BE REMOVED FROM TUBE SHEET AND PULLING EYE BOLTS ARE INSERTED INSTEAD OF THEM. THE PULLING EYE BOLTS WILL BE TRANSPORTED AS LOSE PARTS.
4. TUBE HOLES ON TUBESHEETS SHALL BE ACCORDING TO TEMA STANDARD FIT.
5. TUBE TO TUBE SHEET EXPAND SHALL BE AS PER EXPAND PROCEDURE DOC. NO. "PGHPC-10-ME-0013-TSH-PRC-ME-23157".
6. BOTTOM SURFACE OF GUIDE BARS SHALL BE FREE FROM WELD SPATTER, SCALE, STAG AND ANY OTHER FOREIGN MATTER.
7. DISH HEAD SHALL BE SEAMLESS OR FULL RADIOGRAPHY TESTED.
8. FOR DOUBLE METAL CONTACT SURFACES INCLUDING PASS PARTITION GROOVE AND FLOATING HEAD FLANGE, THE SURFACE FINISH SHALL BE RA=1.6 TO 3.2MM (AARH 63 TO 125) IN ACCORDANCE WITH API 660.
9. THREADS BELOW 1" SHALL BE NATIONAL COURSE SERIES, WHILE 1" AND ABOVE SHALL USE 8-THREAD SERIES (8UN).
10. ALL SHARP CORNERS SHALL BE ROUNDED OFF.

REFERENCE DOCUMENTS	DOC.No.
GENERAL ARRANGEMENT DRAWING (10-E-205)	*PGHPC-10-ME-0013-TSH-DWG-ME-23026*

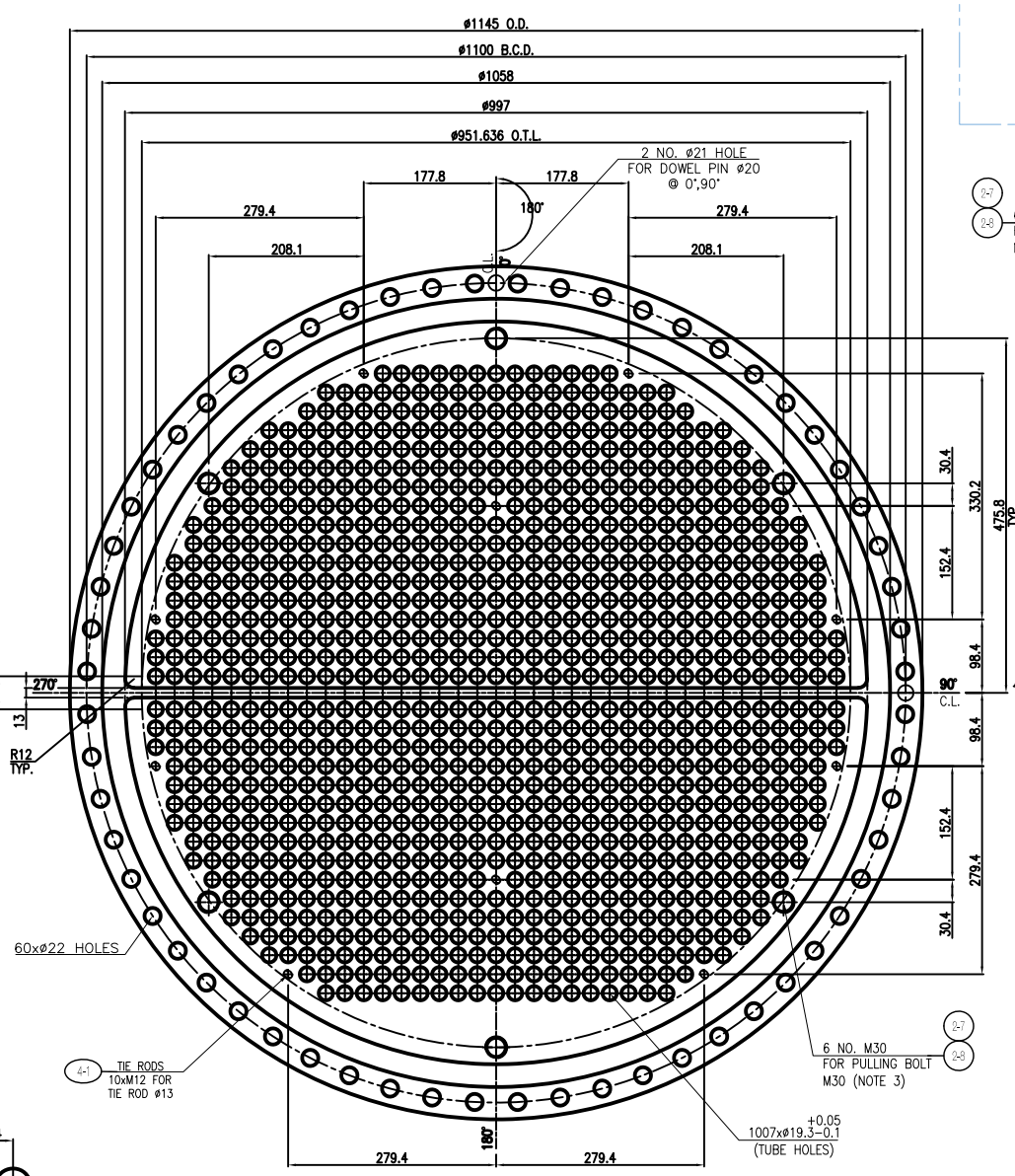
LEGEND & SYMBOLS

B.C.D.	BOLT CIRCLE DIAMETER	THK.	THICKNESS
TYP.	TYPICAL	I.D.	INSIDE DIAMETER
W.L.	WELD LINE	O.D.	OUTSIDE DIAMETER
C.L.	CENTER LINE	QTY.	QUANTITY

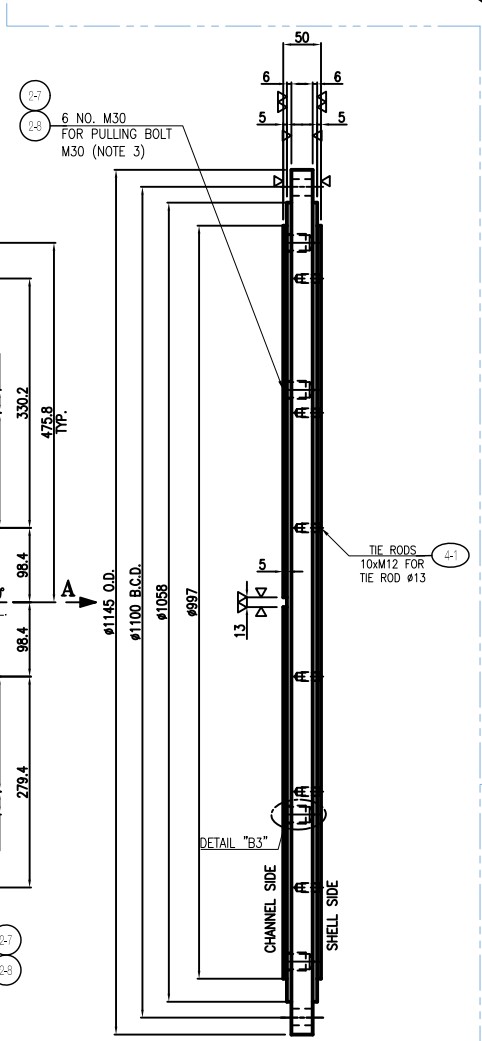
PART LIST

ITEM	DESCRIPTION	QTY.	DIMENSION	MATERIAL	WT (kg)
1-1	STATIONARY TUBESHEET	1	O.D.=ø1145 , THK.=50	SA-266-GR.2	254
1-2	FLOATING TUBESHEET	1	O.D.=ø991 , THK.=50	SA-266-GR.2	188

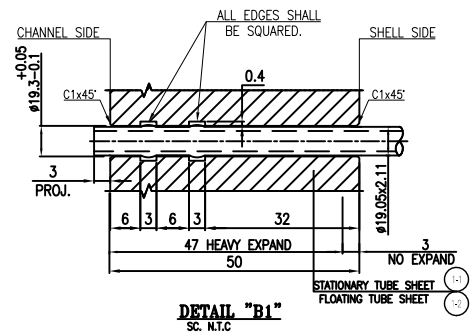
TUBE PATTERN
SC. 1:2



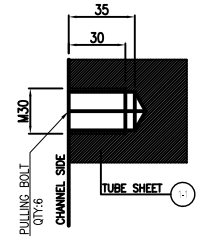
VIEW "A"
SC. 1:5



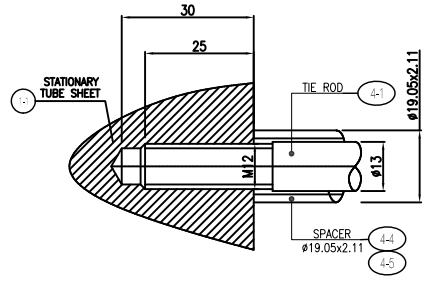
DETAIL OF STATIONARY TUBESHEET
SC. 1:5



DETAIL "B1"
SC. N.T.C



DETAIL "B3"
PULLING BOLT TAPPED HOLE
SC. 1:2



DETAIL "B7"
SC. 1:1

REV.	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
A1	21.Jan.2024	ISSUED FOR APPROVAL	A.A.	M.H.B.	M.K./A.N.

OWNER:

MC:

CONTRACTOR:

VENDOR:

T A S H A
Sanat Pars

PROJECT:

DRAWING TITLE:
TUBE SHEET DRAWING
10-E-205

DOCUMENT NO.	SIZE	SCALE	SHEET	REV.
PGHPC-10-ME-0013-TSH-DWG-ME-23028	A1	–	1 OF 1	A1