

FINISHED BATCH TANKS (2-OFF)

PXL REF: V002A

V002B

ABLE REF: PXL19635-3

DESIGN DATA

CONTENTS:-	SANITISER PRODUCT
DETAILS :-	S.G : 0.8 to 1.2
VESSEL WEIGHT:-	EMPTY 2,900kg FULL APPROX. 26,500kg FULL TO GROSS CAPACITY WORKING VOLUME: 19,500L GROSS VOLUME: 19,500L
DESIGN CODE & SPECS:-	DESIGNED & MANUFACTURED IN GENERAL ACCORDANCE WITH PD5500/2018 PED (2014/68/EU) CATEGORY: SEP
DESIGN PRESSURE	-1 to +0.45 barg
OPERATING PRESSURE	ATMOSPHERIC
DESIGN TEMPERATURE	-10°C - 100°C
TEST PRESSURE	AMBIENT CIP @ 80°C
CORROSION ALLOWANCE	1.5mm
RADIOGRAPH	SEE NOTE 7
HEAT TREATMENT	304/304L - 1.4301/1.4307

MATERIALS

ALL CONTACT AREAS	:- 316/316L STAINLESS STEEL (ASTM or EN1.4401/EN1.4404)
NONE CONTACT AREAS	:- 304/304L STAINLESS STEEL (ASTM or EN1.4301/EN1.4307)
GASKETS	:- WHITE FOOD QUALITY EPDM

INSPECTION CARRIED OUT BY:- ABLE ENGINEERING / CLIENT

FINISH	INTERIOR - POLISHED <0.8Ra EXTERIOR - 2B DESCALED (5mm AND BELOW) MILL FINISH (>5mm)
WELDS	INTERIOR - ALL WELDS - POLISHED TO <0.8Ra (180 GRIT) EXTERIOR - ALL WELDS - LEFT AS LWD & ACID CLEANED

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- ALL FLANGE BOLT HOLES ARE TO BE OFF CENTER TO VESSEL UNLESS OTHERWISE STATED.
- MAN ELEVATION IS DIAGRAMMATIC ONLY - FOR TRUE ORIENTATION SEE PLAN VIEW.
- TRANSPORT PROTECTION- ALL UNBANKED NOZZLES SHALL BE FITTED WITH A BLANKING DISC, TAPED INTO PLACE.
- ALL SHARP EDGES TO BE REMOVED.
- ALL INTERNAL WELDS ACID CLEANED, PICKLED & PASSIVATED.
- NO NOT REQUIRED
- ALL NOZZLE PIPE PROVIDED WITH NO NEGATIVE TOLERANCE TO BE CHECKED WITH VERNIER GAUGE BEFORE FITTING

VESSEL DETAILS

BELT:- Ø3000 ID x 8THK x 2000mm
TOP DISHED END:-
Ø3000 ID R=3000 R=300 SF=25
FORMED FROM 8THK PLATE, 6.4mm MIN. THICKNESS
BOTTOM DISHED END:-
Ø3000 ID R=3000 R=300 SF=25
FORMED FROM 8THK PLATE, 6.4mm MIN. THICKNESS
STIFFENING RING:-
50x15THK, ROLLED ON EDGE TO Ø3018 ID

PED REQUIREMENTS

DESIGN PRESSURE	ATMOSPHERIC	JACKET
FLUID VOLUME	6.050L	
FLUID MEDIUM	HAND SANITISER	
FLUID STATE	LIQUID	
FLUID GROUP	Z	
PED CATEGORY	SEP	
PED MODULE	SEP	
3rd PARTY INSPECTION	NO	
AS PER PED 2014/68/EU, 'ANNEX II'		
PED CONFORMITY ASSESSMENT TABLES: PAGES L189/215 - L189/219		
FLUID MODULE CLASSIFICATION: PAGE L189/219		
FLUID GROUP DETERMINED: ARTICLE 13; PAGE L189/182		
I DETAIL NOTES UPDATED	13.10.20	B.P
H LUS REMOVED & SIGHT GLASS ADDED	28.09.20	D/C
G G1 BOSSES CHANGED TO R052 TYPE	11.09.20	D/C
F FITTING N10 RE-ORIENTATED	10.08.20	D/C
E FITTING N11 DETAIL FINALISED	24.07.20	D/C
D FABRICATION ISSUE	16.07.20	D/C
C FITTINGS RE-ORIENTATED CLIENT REQUEST	14.07.20	D/C
B TRI-CLAMPS CHANGED TO BS6362	30.06.20	D/C
A AMENDED AS PER CLIENT REVIEW	18.06.20	D/C
REV. No.	REVISION DETAILS	INT.



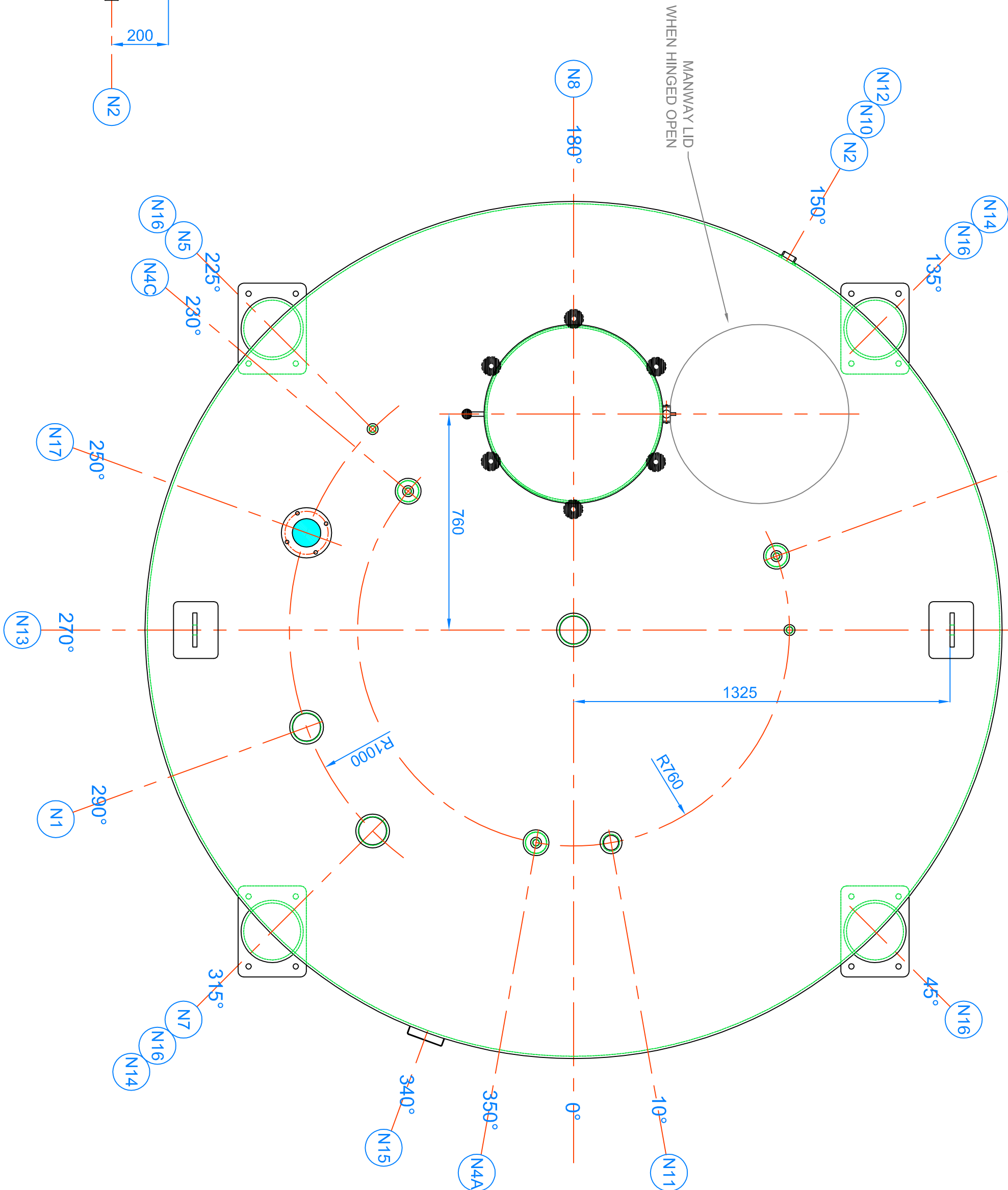
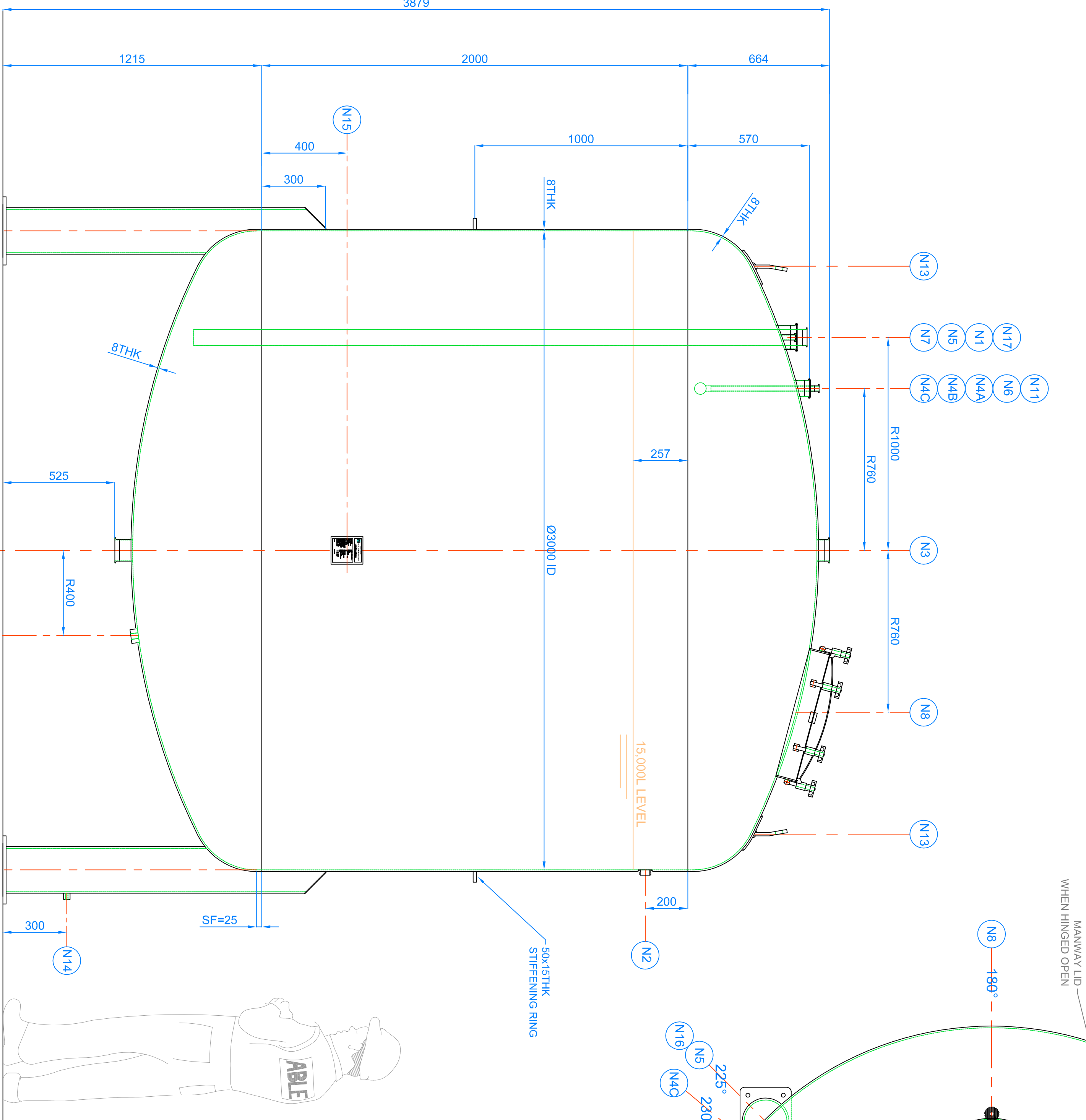
ABLE ENGINEERING

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DRAWN BY	D.S.CUDWORTH	DATE	03.06.30	SCALE	N.T.S.
CLIENT	PX Ltd	CLIENT O/No.	3500395029		

TITLE	DRAWING No. AEC12069	REV.
BATCH TANKS (2-OFF)		J
	SHEET No. 1 OF 2	



PLAN VIEW SHOWING TRUE ORIENTATION

FITTING SCHEDULE

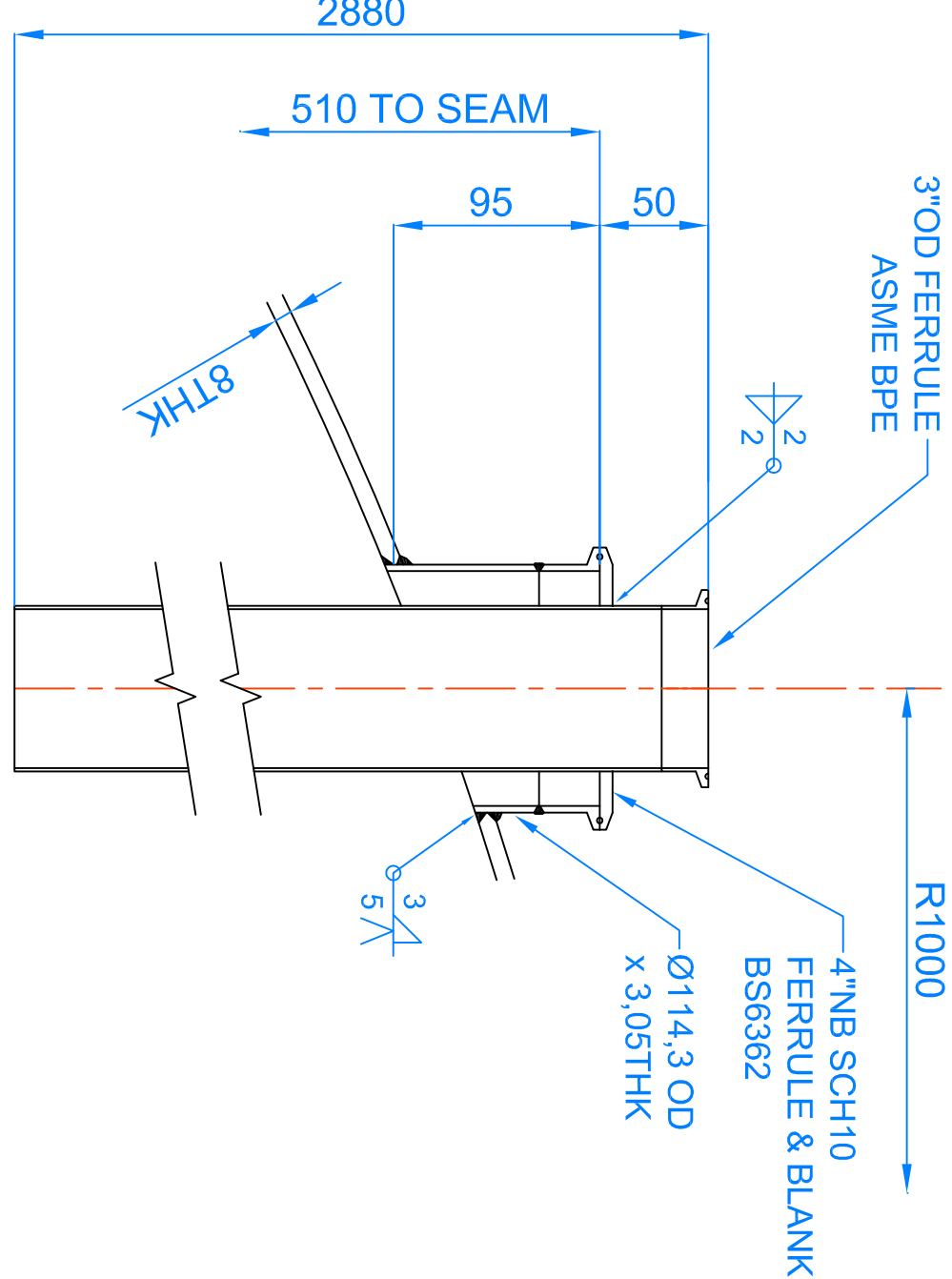
MARK	SERVICE	No. OFF	NOM. SIZE	FITTING STANDOUT FROM TANK CL	FLANGE/SOCKET TYPE/CLASS/RATING	PIPE SCHEDULE	NOM. THICK	REMARKS
N1	INLET	1	4"NB	-	TRI-CLAMP (BS6362)	SCH10	3.05mm	C/W 3"OD DIP PIPE
N2	LEVEL SWITCH	1	ø65	-	E&H R052 TYPE	-	-	SEE DETAIL
N3	VENT	1	4"NB	-	TRI-CLAMP (BS6362)	SCH10	3.05mm	SEE DETAIL
N4A	CIP INLET LANCE #1	1	3"NB/1"OD	-	TRI-CLAMP (BS6362)	SCH10	3.05mm	1" CLIP-ON SPRAYBALL
N4B	CIP INLET LANCE #2	1	3"NB/1"OD	-	TRI-CLAMP (BS6362)	SCH10	3.05mm	1" CLIP-ON SPRAYBALL
N4C	CIP INLET LANCE #3	1	3"NB/1"OD	-	TRI-CLAMP (BS6362)	SCH10	3.05mm	1" CLIP-ON SPRAYBALL
N5	NITROGEN INLET	1	1"NB	-	TRI-CLAMP (BS6362)	SCH40	3.38mm	SEE DETAIL
N6	PRESSURE INDICATOR	1	1"NB	-	TRI-CLAMP (BS6362)	SCH40	3.38mm	SEE DETAIL
N7	PRESSURE RELIEF VALVE	1	4"NB	-	TRI-CLAMP (BS6362)	SCH10	3.05mm	SEE DETAIL
N8	MANWAY	1	600mm	-	-1/+1 BAR, D2 TYPE	-	6mm	6-OFF CLAMPS
N9	OUTLET	1	4"NB	-	TRI-CLAMP (BS6362)	SCH10	3.05mm	SEE DETAIL
N10	REMOVED FROM SCOPE	-	-	-	-	-	-	-
N11	LEVEL MEASUREMENT	1	2"	-	TRI-CLAMP (ISO2852)	CUSTOM	3.00mm	CUSTOM TYPE
N12	THERMOWELL	1	ø65	-	E&H G1" BOSS	-	-	HEAVY DUTY TYPE
N13	LIFTING LUGS	2	-	-	-	-	15mm	SEE DETAIL
N14	EARTHING BOSS	2	-	-	ø30x30LG, M10 TAP	-	-	SEE DETAIL
N15	NAMEPLATE	1	-	-	-	-	-	SEE DETAIL
N16	SUPPORT LEGS	4	8"NB	-	8"NB PIPE	SCH40	9.27mm	SEE DETAIL
N17	SIGHT GLASS	1	ø177	-	100mm SIGHT GLASS	-	25mm	SEE DETAIL

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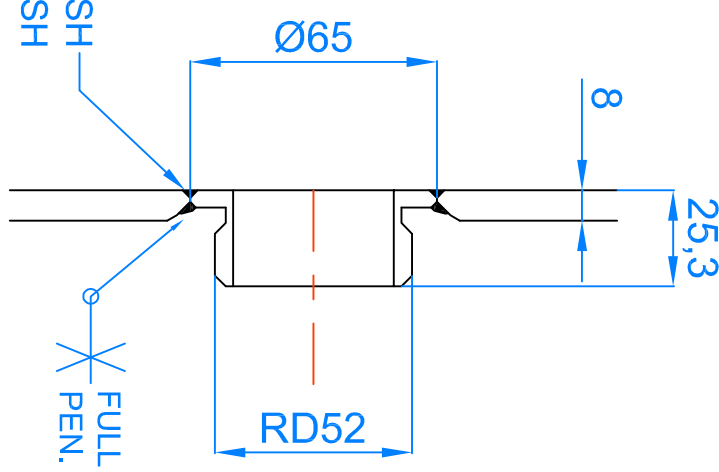
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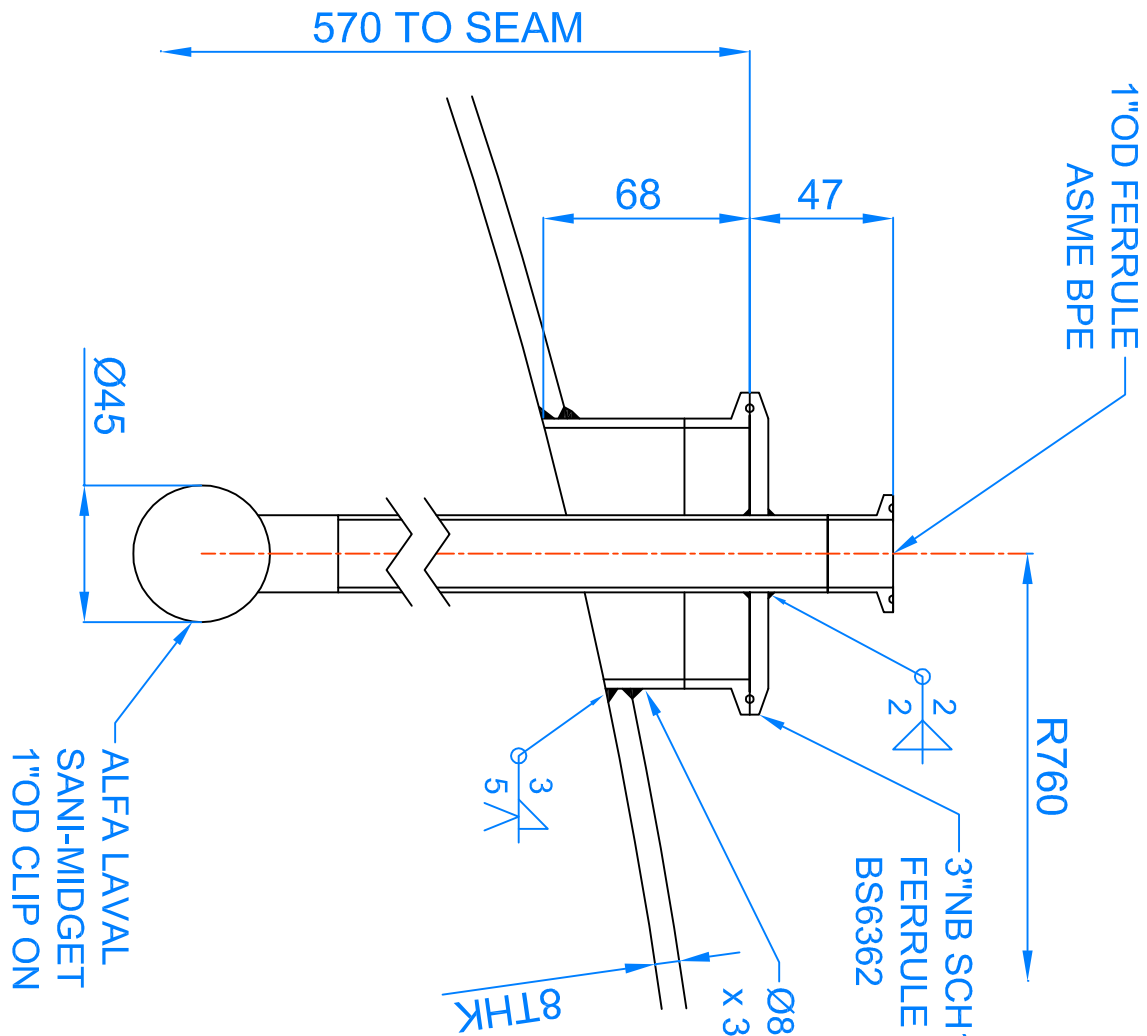
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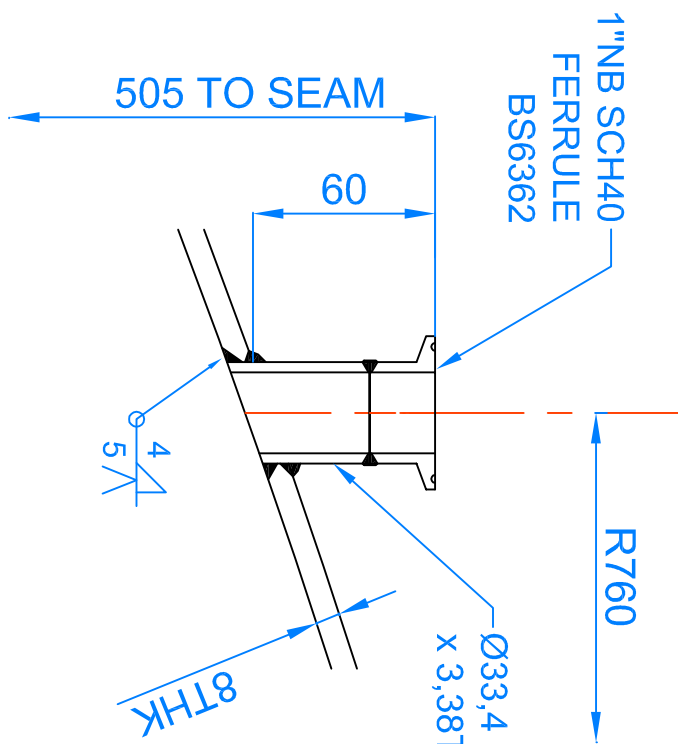
INLET WITH DIP PIPE
(DETAIL 'N1')



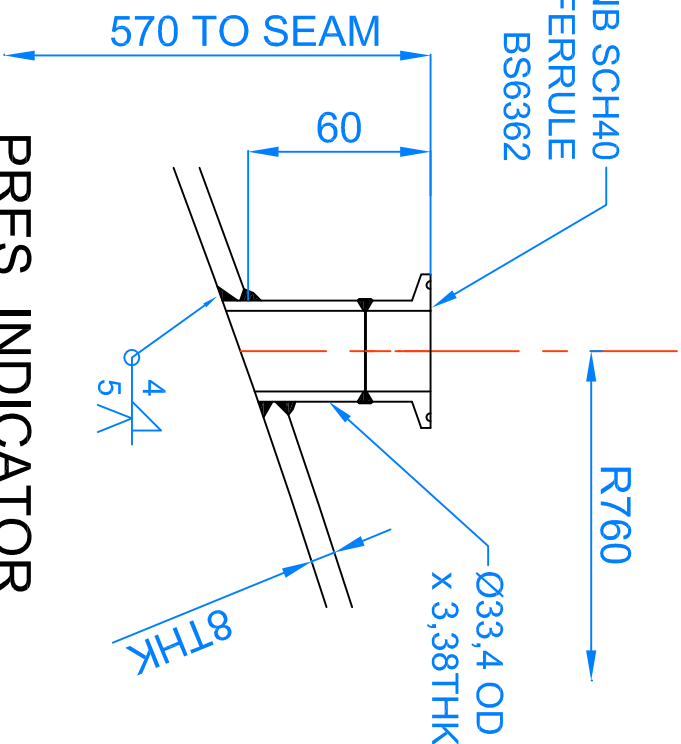
LEVEL SWITCH
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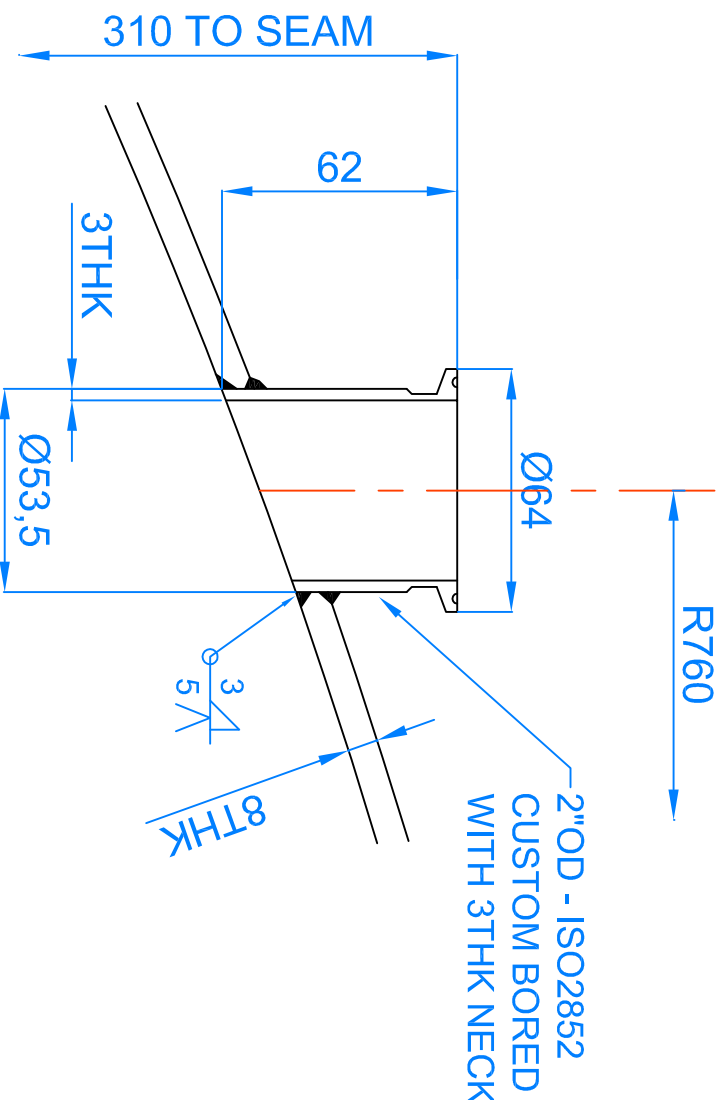
CIP INLET
(DETAIL 'N4, N4B, N4C')



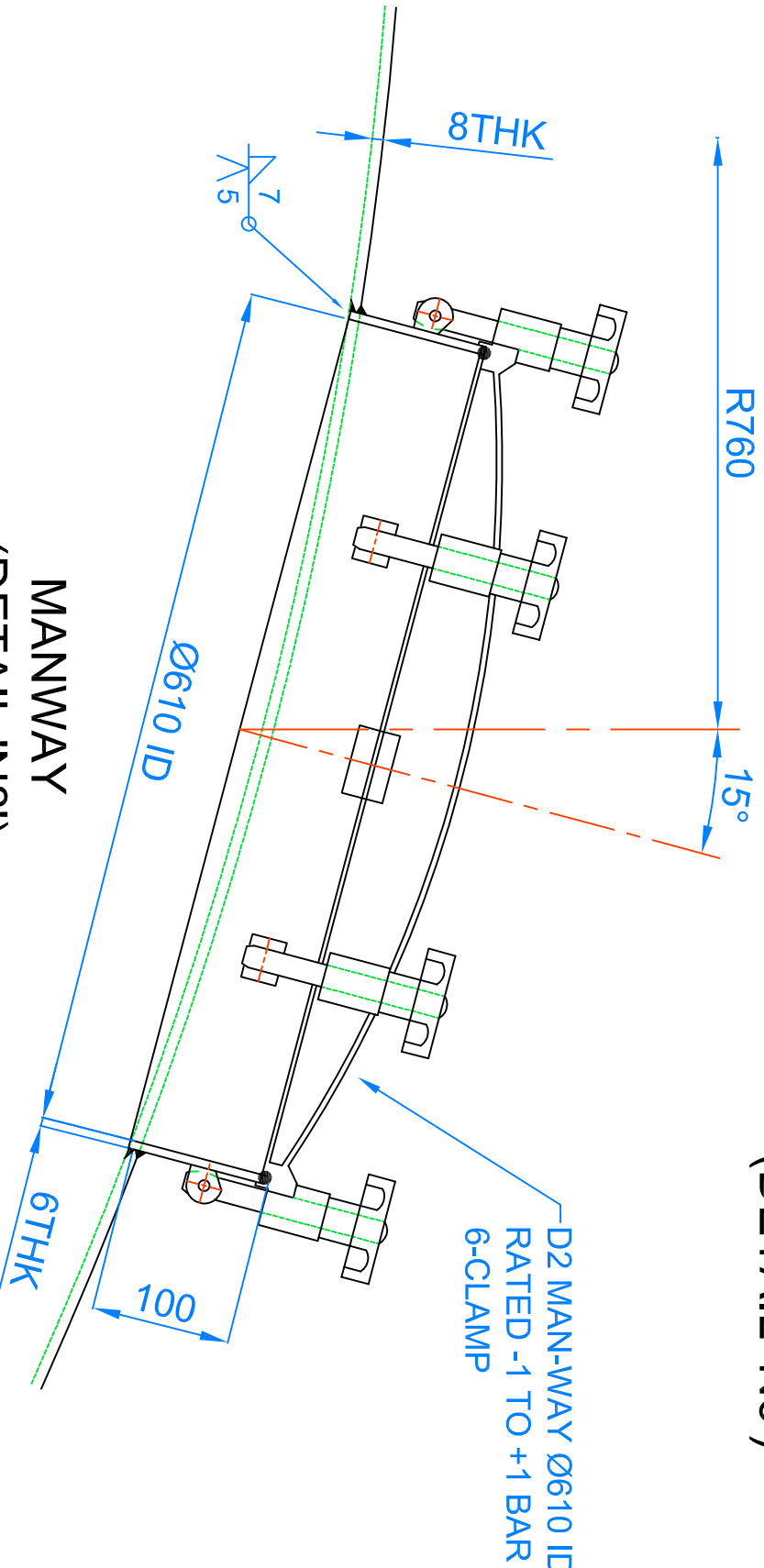
NITROGEN INLET
(DETAIL 'N5')



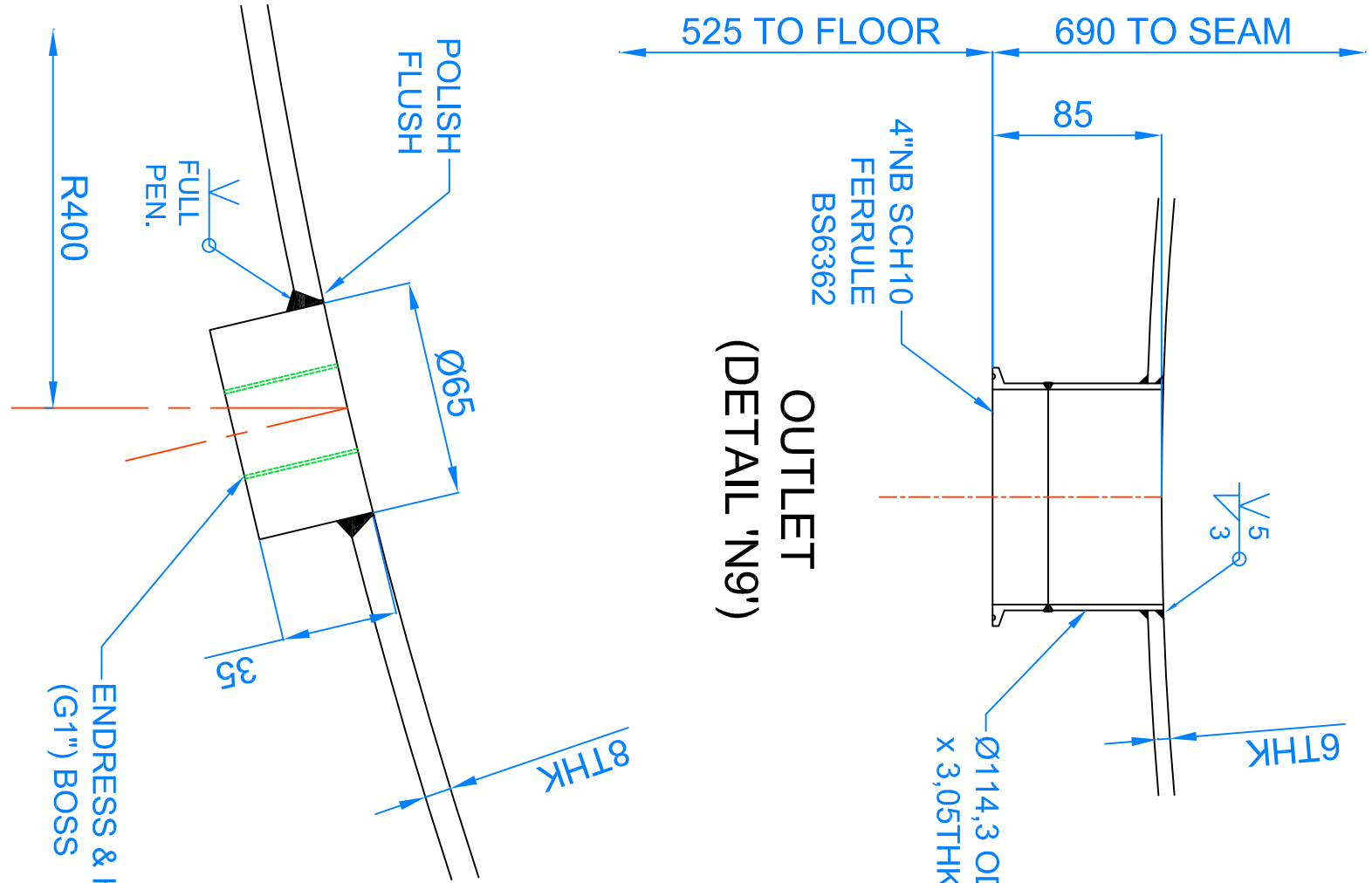
PRES. INDICATOR
(DETAIL 'N6')



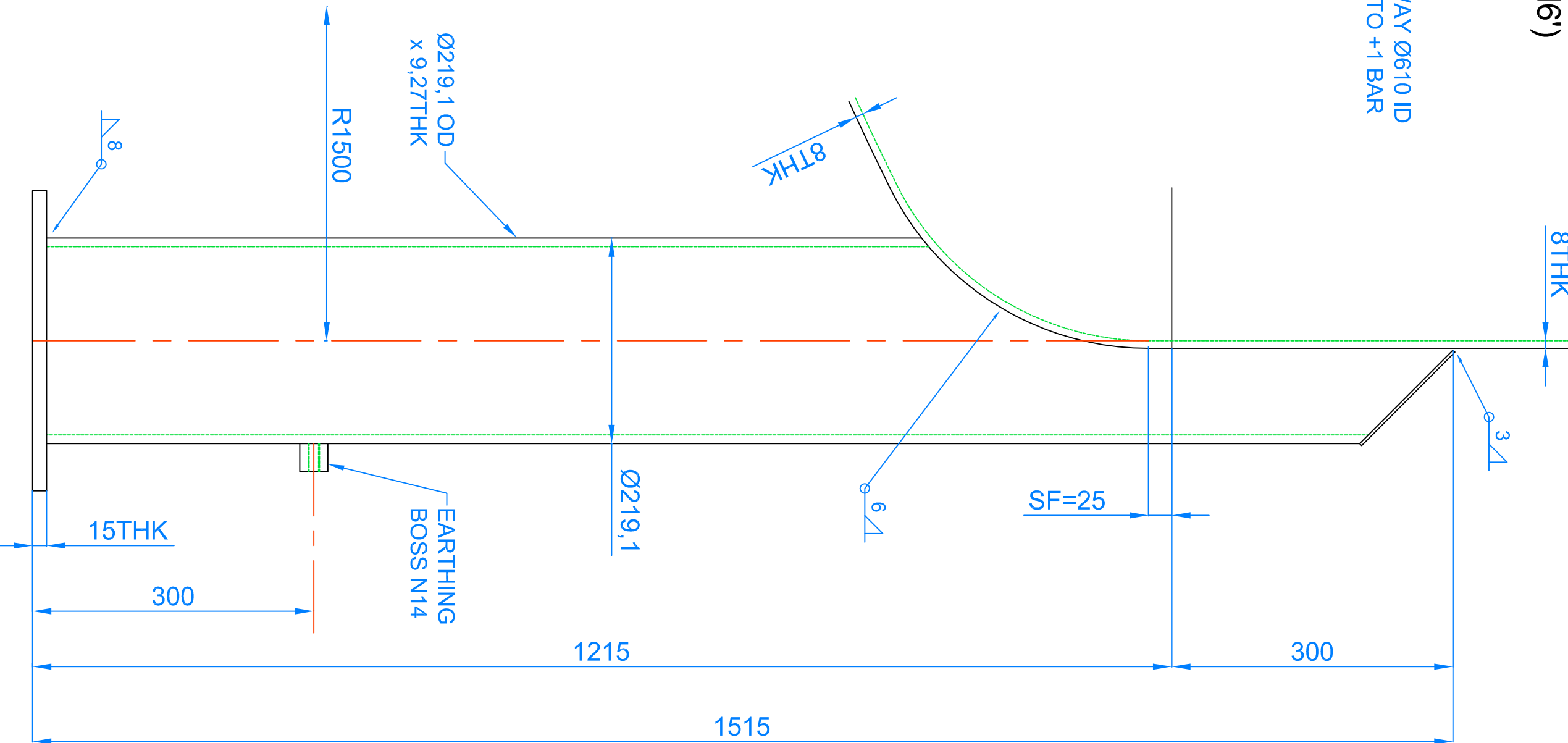
LEVEL MEASUREMENT
(DETAIL 'N11')



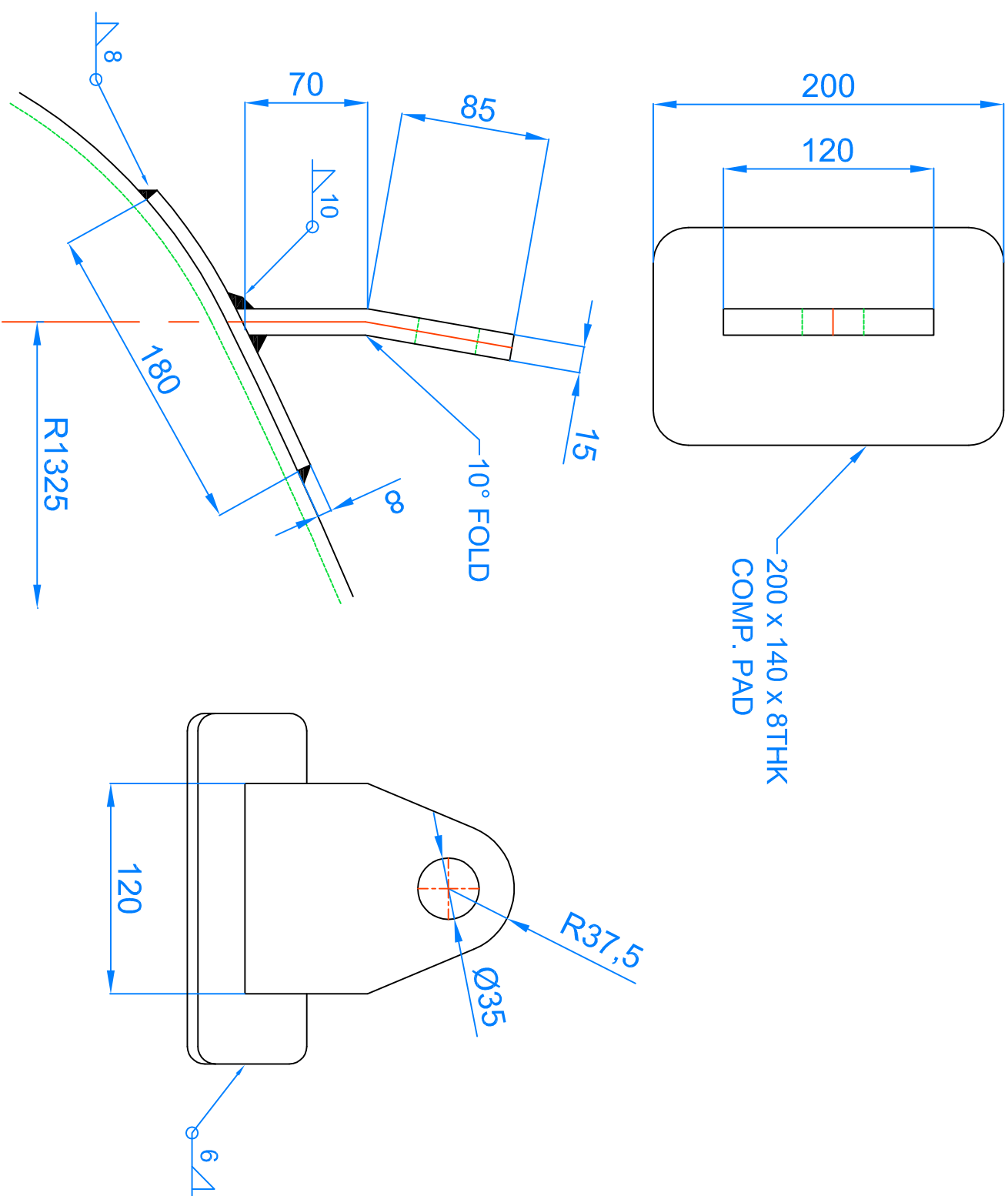
MANWAY
(DETAIL 'N8')



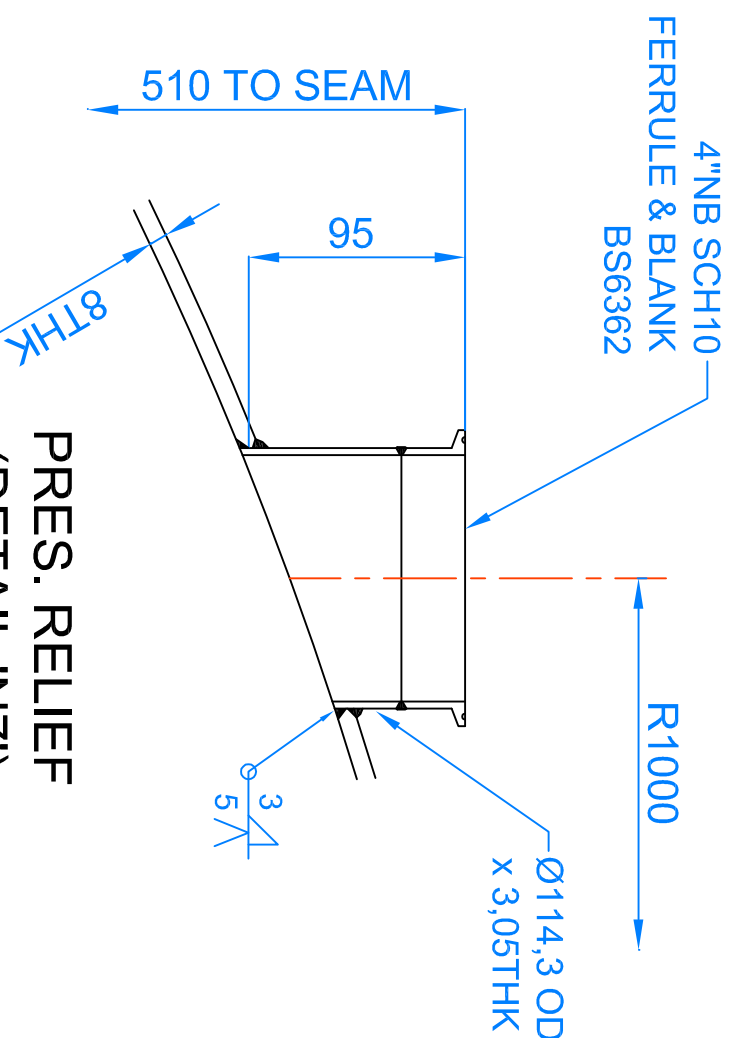
OUTLET
(DETAIL 'N9')



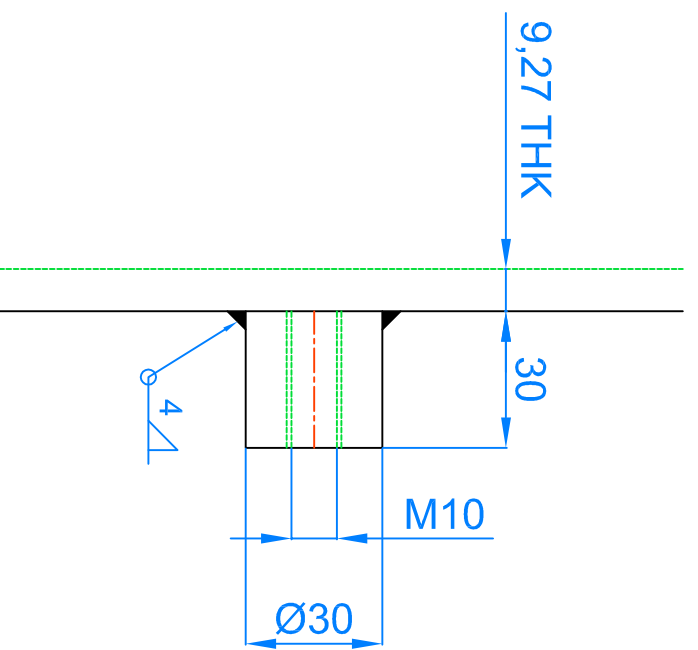
SUPPORT LEGS
(DETAIL 'N16')



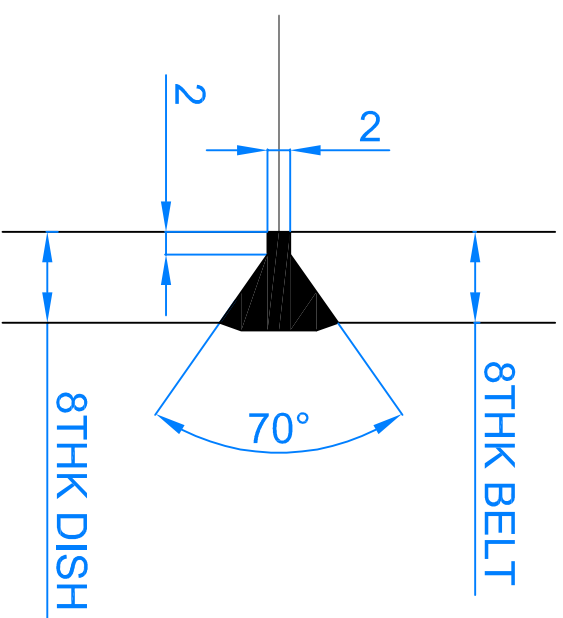
LIFTING LUGS
(DETAIL 'N13')



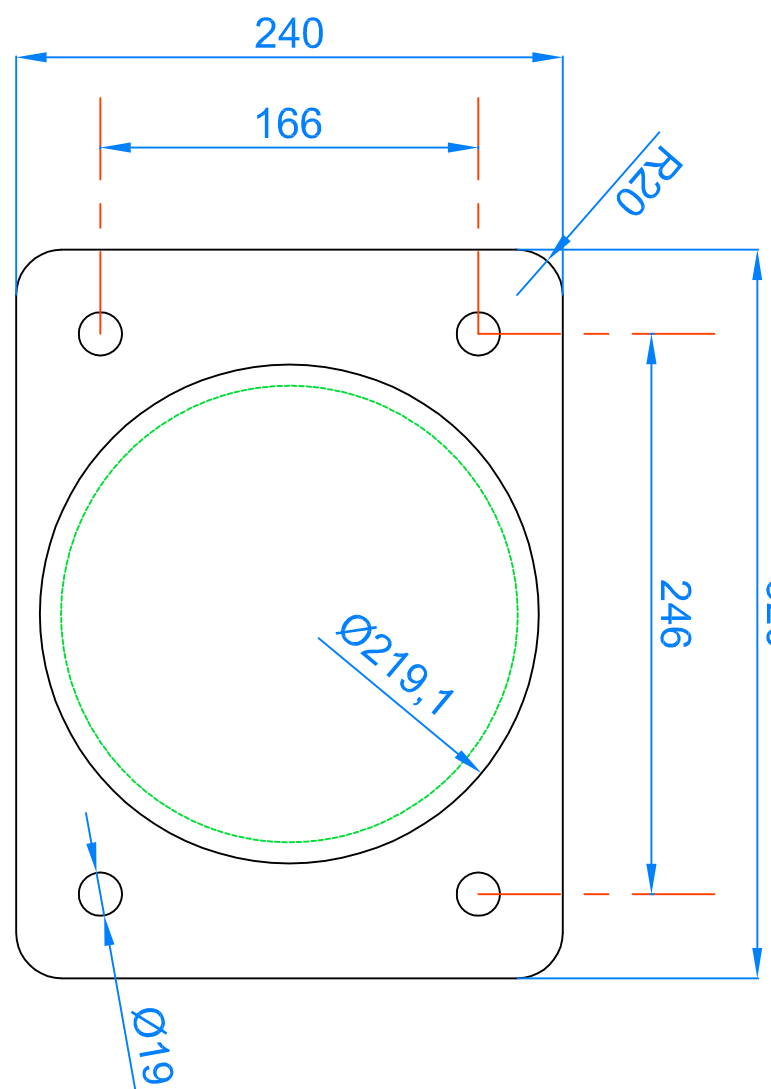
PRES. RELIEF
(DETAIL 'N7')



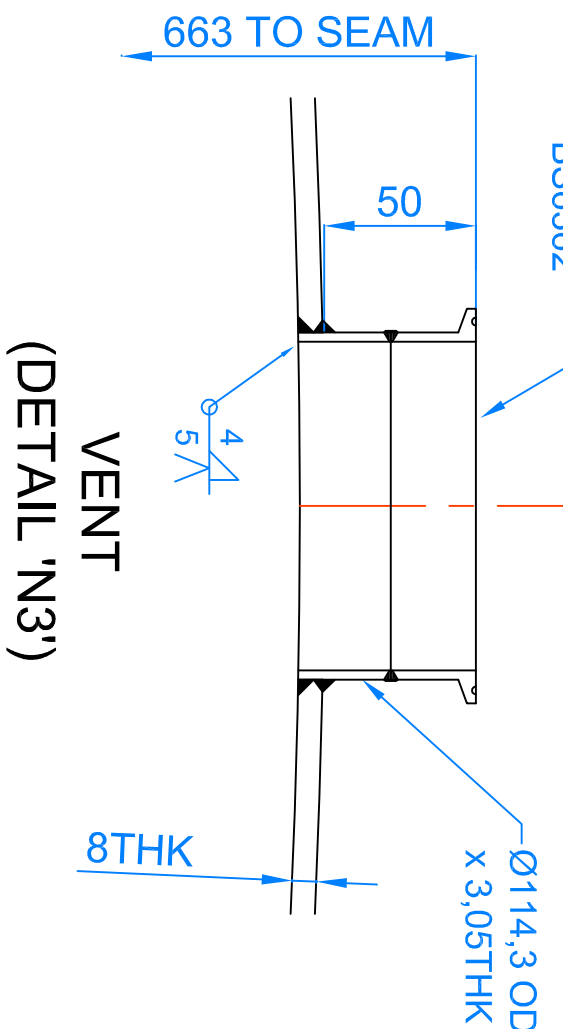
EARTHING BOSS
(DETAIL 'N14')



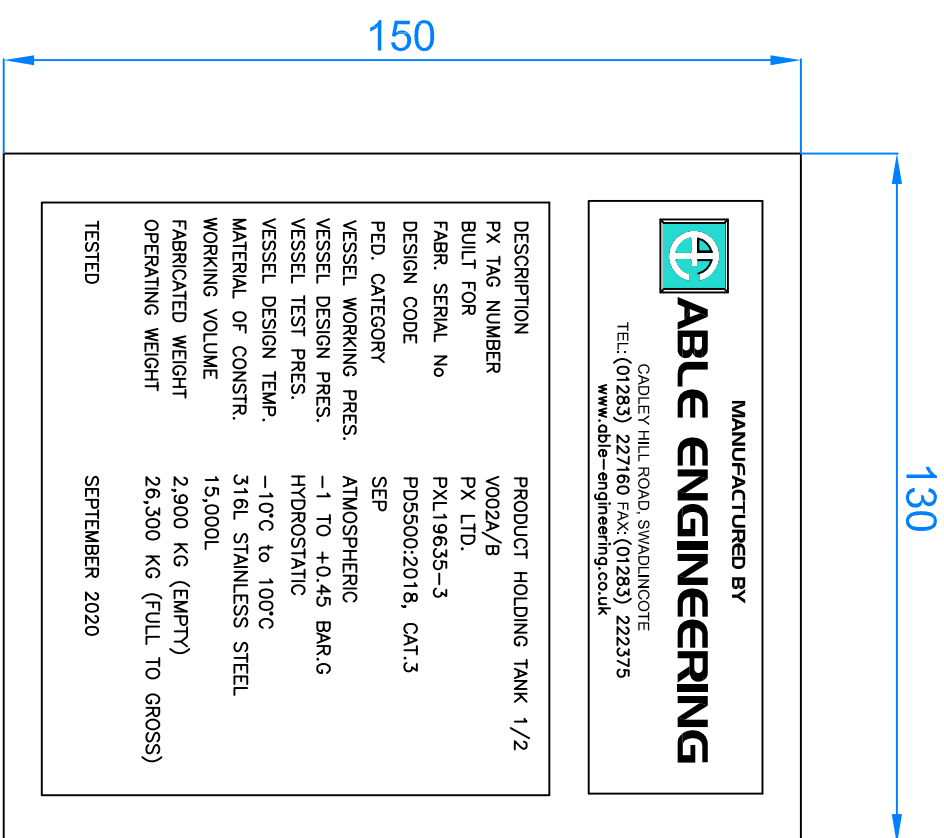
TYP. SEAM WELD



FOOT PLATE DETAIL



VENT
(DETAIL 'N3')



NAMEPLATE
(DETAIL 'N15')

REV. No.	DESCRIPTION	DATE	INT.
J	DETAIL 'N4' MISSING DIMENSION ADDED	13.10.20	B.P.
I	DETAIL NOTES UPDATED	09.10.20	B.P.
H	LUS REMOVED & SIGHT GLASS ADDED	28.09.20	D/C
G	G1 BOSSES CHANGED TO RD52 TYPE	11.09.20	D/C
F	FITTING N10 RE-ORIENTATED	10.08.20	D/C
E	FITTING N11 DETAIL FINALISED	24.07.20	D/C
D	FABRICATION ISSUE	16.07.20	D/C
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