

September 22nd, 2026

Abundant Solar Power, Inc.
700 West Metro Park
Rochester, New York, 14623
1311 Schwanger Road Solar Project

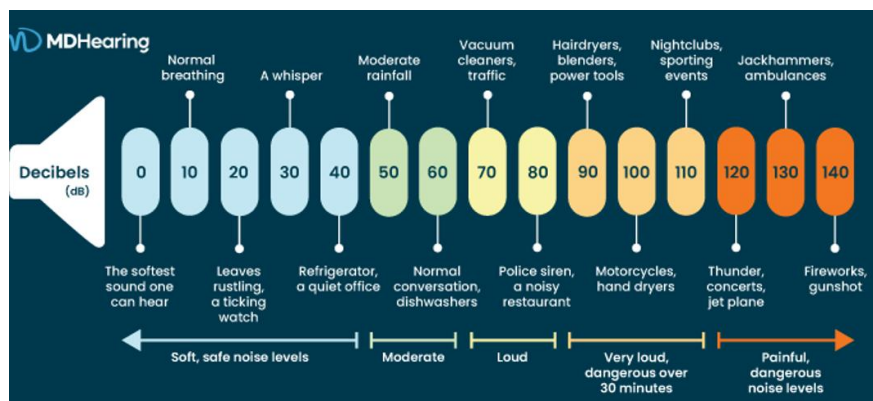
To Whom it May Concern,

The following Noise Management Plan addresses noises produced during construction activities and during the solar facility's operation. All construction activities will occur daily during a window of 7 a.m. to 5 p.m., and the daily operation of the facility will only take place during hours of sunlight. In this management plan, the construction noise will be broken out into pile driving activities and general construction activities, as well as typical facility noise.

Methodology

The following Inverse Square Law $\frac{I_2}{I_1} = \left[\frac{d_1}{d_2}\right]^2$ governs on how noise travels in a straight line and how sound intensity degrades exponentially as you move away from the source. Whenever the observation point's distance from the sound source doubles, the sound decreases by 6 dBA. Equivalently, sound pressure levels decrease by a factor of 4. The image below shows a decibel scale in comparison to common sounds that most people are familiar with.

There is no present state, county, or municipal regulation/ordinance that details the permissible noise levels for this site. Due to lack of regulation regarding permissible noise levels, this analysis was completed by comparing the calculated results to the approximate average ambient noise levels for rural areas. On average, rural ambient noise levels are typically between 30 and 40 dBA during the daytime and can drop below 25 dBA during nighttime.



Construction Activities

OSHA sets legal limits on noise exposure in the workplace. These limits are based on a worker's 8-hour time-weighted average (TWA) over a workday. For noise, OSHA's permissible exposure limit (PEL) is an 8-hour TWA noise level of 90 decibels (dBA).



Time exposure is reduced by half for each 5 dBA increase. For example, if workers were exposed to 95dBA of noise, the exposure limit would be four (4) hours.

The general construction activities are expected to take 6-9 months to complete. The sound of general construction activities is observed to have a maximum dBA rating of 85 at the source, which works out to a dBA rating of 53.18 at 39 feet (11.89 meters) which is the closest point to the perimeter fence. For context, 60 dBA is described as a normal to moderate conversation noise level. The closest portion of the site to the property line on a non-participating landowner's property is approximately 61' feet (18.59 meters) and general construction activities will produce a dBA rating of 49.29 at this location. For context, 50 dBA is described as moderate rainfall.

The pile driving construction activities are expected to take 2-3 weeks to complete. For additional context on the sound of a pile driver, the racking system is installed via an impulse driver, a standard model (Vermeer PD10) is observed to have a dBA rating of 84 at 50 feet which works out to be a dBA rating of 86.16 at 39 feet (11.89 meters) which is the closest point to the perimeter fence. For context, 90 dBA is described as a hairdryer or a blender. The closest portion of the site to the property line of a non-participating landowner's property is approximately 61 feet (18.59 meters) and pile driving construction activities will produce a dBA rating of 82.27 at this location. For context, 80 dBA is described as a noisy restaurant.

Facility Operation

The closest portion of the system's inverters is approximately 50 feet (15.24 meters) to the perimeter fence of the site. The central inverter proposed for the project generates (at full operation during daylight only), a noise level of approximately 69 dBA. The sound intensity at the 50-foot distance would be 29 dBA. For context, 30 dBA is described as a whisper or the level of sound in a library.

The closest portion of the system's inverters to a non-participating residence is approximately 71 feet. The central inverter proposed for this project generates (at full operation during daylight only) a noise level of 69 dBA. The sound intensity at 71 feet (21.64 meters) distance would be 25.95 dBA. The resulting level of sound intensity is significantly less than ambient levels during the day in a quiet rural area during the daytime and nighttime (35+ decibels). No sound will be produced by the system at night.

The closest portion of the system's transformers is approximately 50 feet (15.24 meters) to the perimeter of the site fence. The transformers proposed for the project generate (at full operation during daylight only), a noise level of approximately 62 dBA. The sound intensity at a 50-foot distance would be 22 dBA. For context, 20 dBA is comparable to leaves rustling or a ticking watch.

The closest portion of the system's transformers to a non-participating residence is approximately 71 feet. The sound intensity from the transformers at 71 feet (21.64 meters) distance would be 18.95 dBA. All sound level impacts associated with the project are shown in Table 1 below. Table 1 shows the sound pressure level at specific distances from the source. The map of the modeled sound levels (dBA) is shown in Figure 1.



Table 1: Modeled Sound Sources			
Solar Inverter		69dB @ 1m	
dB	m	ft	
69	1	3	
63	2	6	
57	4	12	
51	8	24	
45	16	48	
39	32	96	
33	64	192	
Transformer		62 dB @ 1m	
dB	m	ft	
62	1	3	
56	2	6	
50	4	12	
44	8	24	
38	16	48	
32	32	96	
26	64	192	

Conclusion

In conclusion, the volume of sound inherently and recurrently generated will not cause a nuisance to adjacent properties during construction of the site or during the facility's normal operation. As illustrated in Table 1, after six (6) doublings of distance (or approximately 192 feet from the sound source), the sound level for the inverters has dropped from 69 dBA to 33 dBA, and the sound level from the transformer has dropped from 62 dBA to 26 dBA. During operation of the facility, audible sound will not exceed a maximum of 25 dBA during both daytime and nighttime hours as measured at the property line of the site. For context, 25 dBA is comparable to typical rural nighttime noise levels. Sound mitigation during operation will not be required. Based on the analysis performed, it is determined that noise produced from the project construction and equipment will not generate an impact on the surrounding areas.

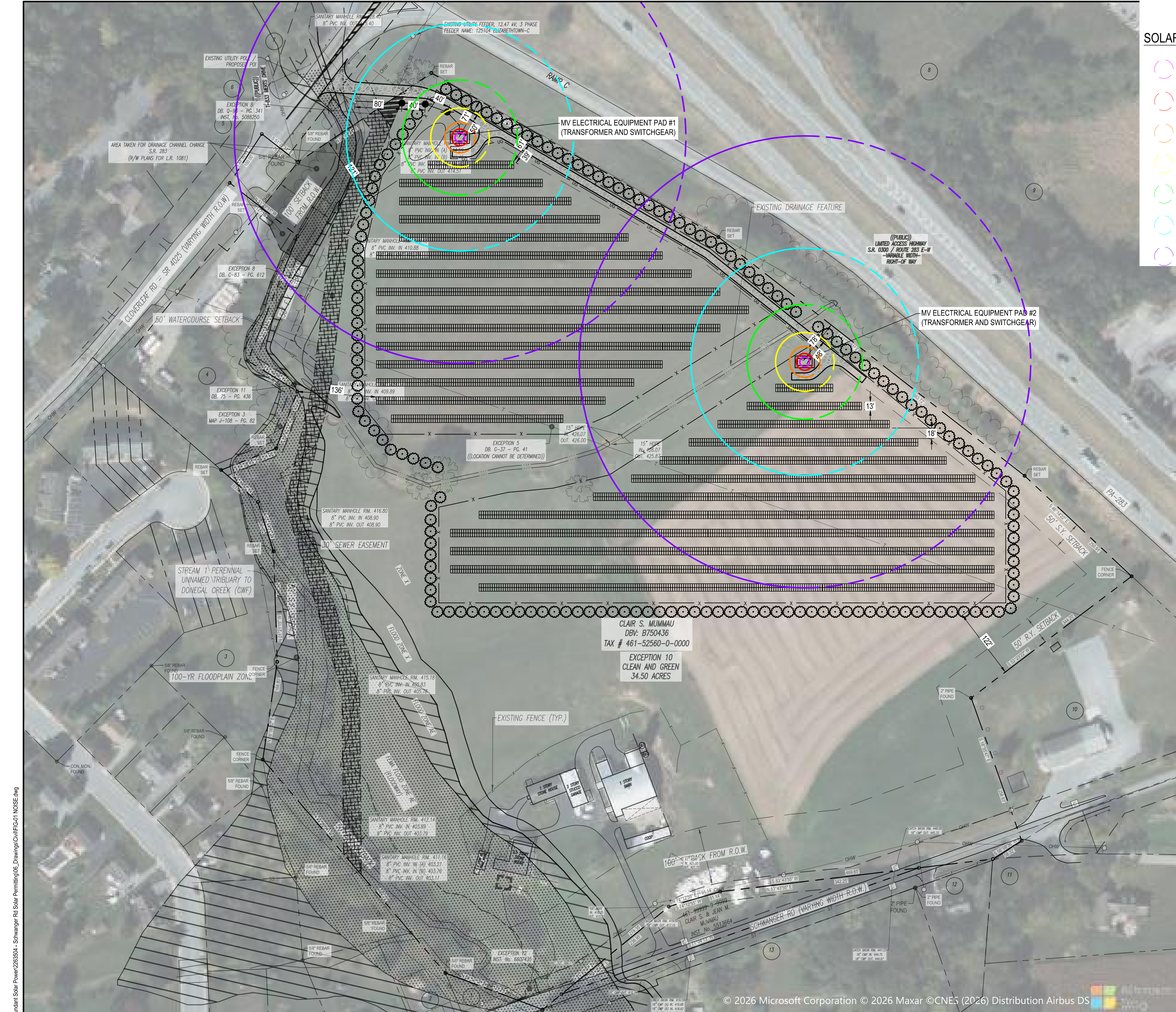
Sincerely,

LaBella Associates, P.C.

Cassidy J. Robinson, P.E.
Senior Civil Engineer / Regional Leader
Associate Vice President



Exhibit 1 Noise Exhibits



NOISE STUDY INFORMATION

SOLAR INVERTERS

- 69 dBA
- 63 dBA
- 57 dBA
- 51 dBA
- 45 dBA
- 39 dBA
- 33 dBA

TRANSFORMER

- 62 dBA
- 56 dBA
- 50 dBA
- 44 dBA
- 38 dBA
- 32 dBA
- 26 dBA



1000 Dunham Drive
Dunmore, PA 18512
570-342-3101
labellapc.com

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ABUNDANT SOLAR
POWER, INC
700 WEST METRO PARK,
ROCHESTER YORK, NY 14623



1311 SCHWANGER ROAD
SOLAR PROJECT
1311 SCHWANGER ROAD,
MOUNT JOY, PA 17552

NO.	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER: 2263504		
DRAWN BY: MMM		
REVIEWED BY: CJR		
ISSUED FOR: SPECIAL EXCEPTION		
DATE: 09/22/2026		
DRAWING NAME:		

NOISE ANALYSIS FIGURE

DRAWING NUMBER:

FIG-1.0



Exhibit 2

Equipment Specifications



/ SHP 125-US-21 / SHP 150-US-21 / SHP 165-US-21 / SHP 172-US-21



Sunny Highpower PEAK3-US

125 / 150 / 165 / 172

A superior distributed generation
solution for large-scale power plants

25 YEAR
DESIGN LIFE



SMA
Smart Connected



Cost effective

- Modular architecture reduces BOS and maximizes system uptime
- Compact design and high power density maximize transportation and logistical efficiency

Maximum flexibility

- Scalable 1,500 VDC building block with best-in-class performance
- Flexible architecture creates scalability while maximizing land usage

Simple install, commissioning

- Ergonomic handling and simple connections enable quick installation
- Centralized commissioning and control with SMA Data Manager

Highly innovative

- SMA Smart Connected reduces O&M costs and simplifies field-service
- Powered by award winning ennexOS cross sector energy management platform

The Sunny Highpower PEAK3 1,500 VDC inverter offers high power density in a modular architecture that achieves a cost-optimized solution for large-scale PV integrators.

With fast, simple installation and commissioning, the PEAK3 is accelerating the path to energization. SMA has also brought its field-proven Smart Connected technology to the PEAK3, which simplifies O&M and contributes to lower lifetime service costs. The PEAK3 power plant solution is powered by the ennexOS cross sector energy management platform, 2018 winner of the Intersolar smarter E AWARD.

SHP-US\$-en-23 Changes to products and services, including those resulting from country-specific requirements, as well as deviations from technical data are subject to change at any time without notice. SMA assumes no liability for typographical or other errors. Please visit www.SMA-Solar.com for the latest information.



Drawing Submission Index

Customer :	Abundant	Project :Schwanger	S.O. No :	9812
Rating :	2500 kVA	Voltage ratio :12.47/0.6 kV		Sheet 01 of 01

Sr. No	Description of drawing / document	Drawing No.	No of Sheet	Date of Issue and Revision. No.				Remarks
				13-May-26				
1	Transformer GTP	TPE-D-72-9812	03	R0				
2	General Arrangement	TPE-D-25-9812	02	R0				
3	Rating & diagram plate	TPE-D-26-9812	01	R0				
4	Foundation Drawing	TPE-D-66-9812	01	R0				

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Rev No.	R0					
Date	13-May-26					
Prepared By	PSM					
Checked By	MBG					
Approved By	VSS					

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GUARANTEED TECHNICAL PARTICULARS

Doc No: TPE- D-72-9812

Date: 13th May. 2026

Customer: - Abundant

Project Name: Schwanger

1. General		
a.	Name of manufacturer	TELAWNE POWER EQUIPMENTS PVT. LTD.
b.	Service	OUTDOOR
c.	Rating	2500 kVA
	Rated voltage of HV	12.47 kV (Star)
	Rated voltage of LV	0.6 kV (Star)
	Rated current of HV@2500kVA	115.74 Amp
	Rated current of LV@2500kVA	2405.63 Amp
	Altitude	< =3300 ft
	Temperature rise in winding (over ambient temp)	65°C
	Frequency	60 Hz
	Noise Level	As per NEMA TR-1
d.	Number of phases	3
e.	Cooling	KNAN (Natural Ester)
f.	Terminal Connection	
	HV	Star
	LV	Star
	Vector group	YNyn0
g.	Tapping	Off Circuit Tap Changer
h.	No Load Loss (W) @ Principal tap on 2.5 MVA Base	To meet 99% Efficiency
i.	Full Load Loss at Rated Current, 85 °C temperature and @ Principal Tap on 2.5 MVA Base	To meet 99% Efficiency
j.	Impedance at rated current & frequency at 85 °C @ 2.5 MVA Base	5.75 % (±IEEE TOL)
k.	Reactance	5.68 % (Approx.)
Prepared By PSM		Checked By MBG
		Approved By VSS

	l.	Efficiency at 85°C at unity p.f.		
		At full load		99.00 %
		At $\frac{3}{4}$ full load		99.17 %
		At $\frac{1}{2}$ full load		99.29 %
	m.	Efficiency at 85°C at 0.8 p.f. lagging		
		At full load		98.75 %
		At $\frac{3}{4}$ full load		98.96 %
		At $\frac{1}{2}$ full load		99.11 %
	n.	Load at which maximum Efficiency occurs		40.35 %
	o.	Maximum Efficiency		99.30 %
	p.	Regulation at full load at 85°C		
		At unity p.f.		1.022 %
		At 0.8 p.f. lagging		4.181 %
	q.	X/R Ratio		6.61 %
	r.	Approximate weights		
		Core & winding		7220 LBS (3275 Kg)
		Oil		5093 LBS (2310 Kg)
		Tank & Fittings		5820 LBS (2640 Kg)
		Total weight		18133 LBS (8225 Kg)
		Approx. qty. of oil		2798 Ltrs
	s.	Approximate overall dimensions		
	a.	Length		145.4"(3692 mm)
	b.	Breadth		69.6"(1767 mm)
	c.	Height		84.9"(2158 mm)
	t.	Terminal arrangement		
		HV		Segment I (left), Side Mounted, with Bottom Entry ATC
		LV		Segment I (Right), Side Mounted, with Bottom Entry ATC
		Reference standard		IEEE C57.12.34
	2.	Impulse level (BIL)		
		HV		95 kVp
		LV		30 kVp
Prepared By		Checked By		Approved By
PSM		MBG		VSS

3.	One minute power frequency		
	HV		35 kVrms
	LV		10 kVrms
4.	Winding		
	a.	Type of winding	
		HV	Layer Winding
		LV	Foil Winding
	b.	Type of Insulation	
		HV	Uniform
		LV	Uniform
	c.	Insulation Class	Class 'A'
5.	Insulating Material		
	Turn insulation HV		Thermally Upgraded Paper
	Turn insulation LV		Diamond Dotted Paper
	Insulation core to LV		Press Compressed Board
	Insulation HV to LV		Press Compressed Board
6.	Off Circuit tap Changer		
	Make		SID /Equivalent
	Tapping Range		ANSI Tapping
	No. of steps / Positions		4 Steps / 5 Positions
Prepared By PSM		Checked By MBG	Approved VSS

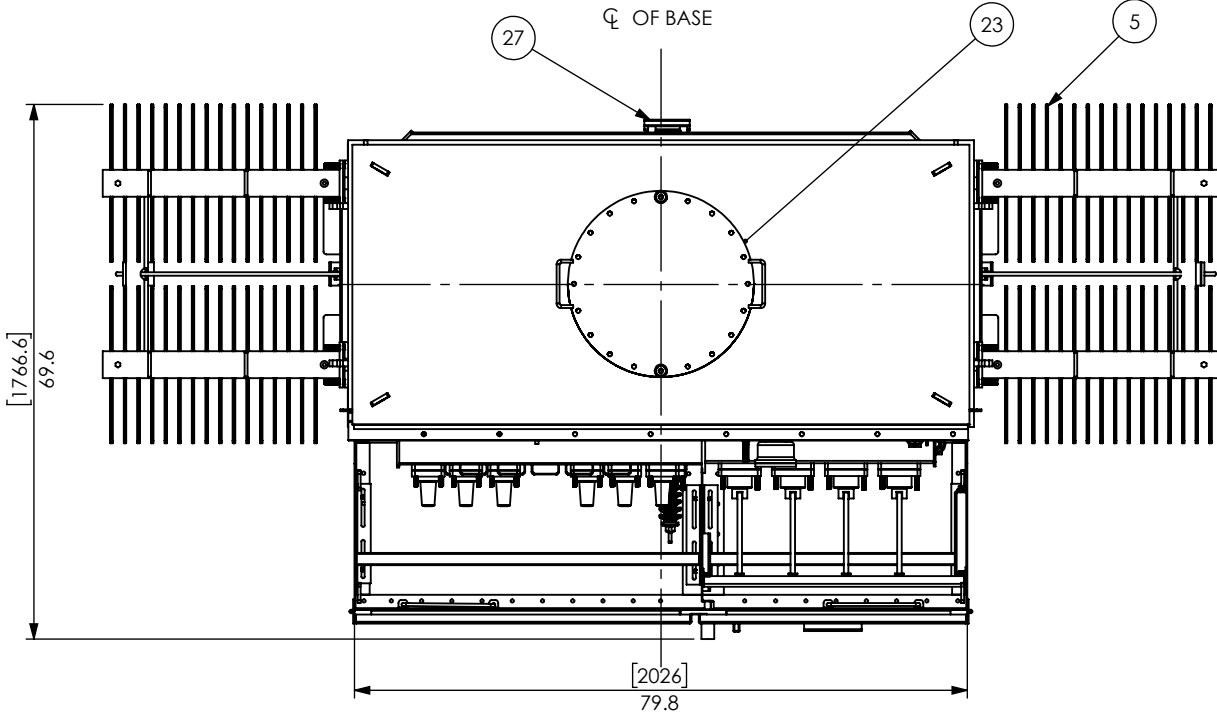
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- NOTES :-
1. LESS FLAMABLE SEED OIL FILLED TRANSFORMER
 2. LIQUID FILLED POWER DISTRIBUTION TRANSFORMER.
 3. EXTERIOR COLOUR MUNSELL GREEN PAINT- C4M.
 4. UNIT DESIGNED FOR SEALING TANK OIL PRESERVATION.
 5. CURRENT - LIMITING BACK UP FUSE UNDER OIL
 6. BUSHING ARE EXTERNALLY CLAMPED.
 7. BOTTOM FOR AIR TERMINAL CHAMBER COVERED FOR SHIPPMENT PURPOSES.
 8. UNIT DESIGNED FOR OPERATION AT -20deg C.
 9. ALL DIMENSIONS IN INCHES & IN MM
 10. ALL DIMENSIONS ARE ±10% TOLERANCE.
 - 11.POSITION IF FITTING ARE INDICATIVE AND MAY CHANGE AT THE TIME OF MANUFACTURING

LIQUID FILLED TRANSFORMER DATA :
KVA : 2500KVA AT 65°C RISE.
3 PHASE, 60Hz
IMPEDANCE : 5.75% (±IEEE. TOL.)
WINDINGS : ALUMINIUM
HV : 12.47KV BIL, 95KVP
LV : 0.6KV BIL, 30KVP
CLASS : KNAN
VECTOR GROUP : YNyn0
TOTAL WT (APPROX) : 8225 Kg (18133 LBS)

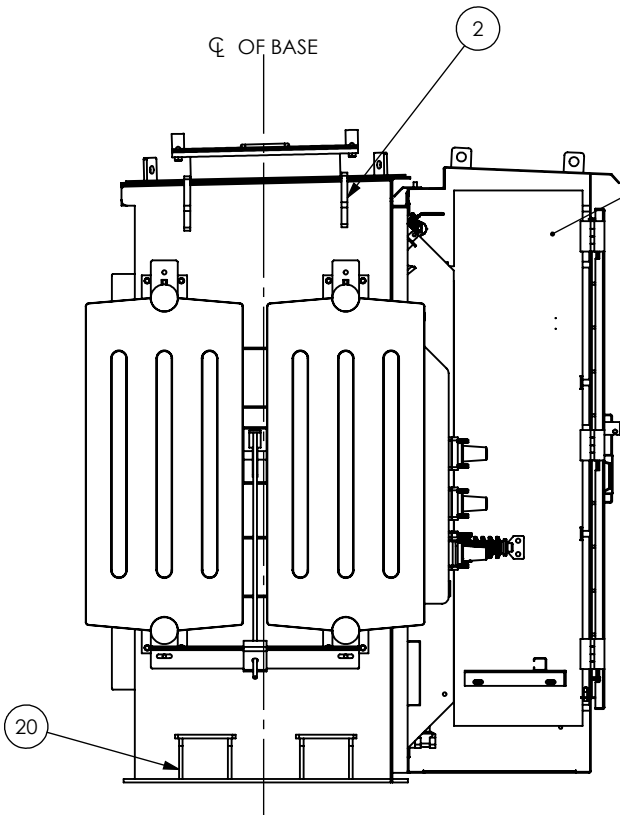
AS PER IEEE C57. 12.34 MINIMUM DISTANCE (mm)

D	H	N	M	K	P	A	B
686	76	102	89	114	356	152	203

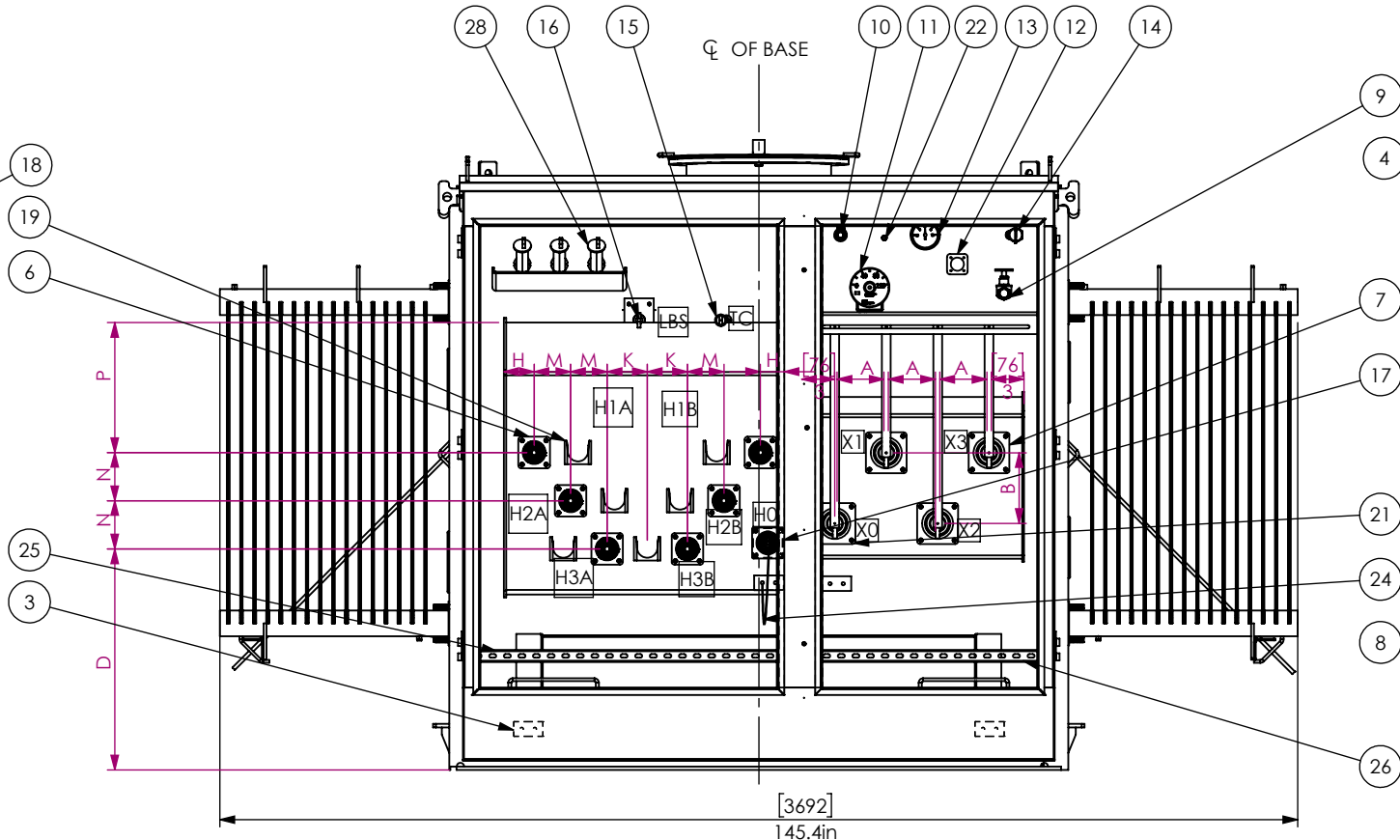


TOP VIEW

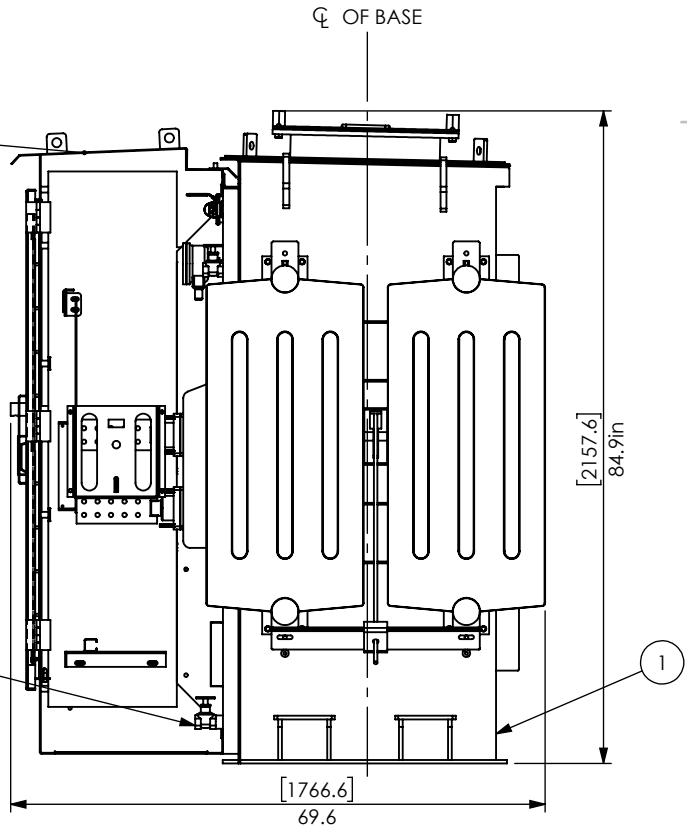
BILL OF MATERIAL		
ITEM NO.	DESCRIPTION	QTY.
1	TRANSFORMER TANK	1
2	TRANSFORMER LIFTING LUG	4
3	STAINLESS STEEL GROUND PADS.	4
4	SLOPPED WELDED TOP COVER WITH LIFTING EYES FOR COVER ONLY.	1
5	HDG UNPAINTED COOLING RADIATOR WITH ISOLATING VALVES	4
6	HV DEAD BREAK BHUSHING 15KV-600A	6
7	LV EPOXY BUSHING 2.5KV/3150A, COPPER SPADE, 10 HOLE	3
8	COMBINATION LOWER DRAIN AND FILTER VALVE 1" NPT WITH SAMPLER	1
9	UPPER FILTER VALVE 1" NPT AND PLUG.	1
10	PRESSURIZATION TEST POINT AND GAS SAMPLING WITH 1/2" BALL VALVE	1
11	LIQUID LEVEL GAUGE WITHOUT CONTACTS	1
12	LIQUID TEMPERATURE GAUGE WITHOUT CONTACTS	1
13	PRESSURE VACCUM GAUGE	1
14	PRESSURE RELIEF VALVE	1
15	DE-ENERGIZED NO LOAD MANUAL TAP CHANGER,	1
16	TWO POSITION LOAD BREAK SWITCH	1
17	HV NUTRAL BUSHING, 15KV/208A	1
18	ISOLATING BARRIER	1
19	PARKING STAND	6
20	JACKING PAD	4
21	LV NEUTRAL BUSHING 2.5KV/3150A	1
22	SCHRADER VALVE	1
23	MANHOLE WITH COVER, BOLTED AND GASKETED WITH PENTADEAD BOLTS AND PROVISION FOR PADLOCK.	1
24	NEUTRAL BUSHING EARTHING LINK	1
25	HV UNISTRUT SUPPORT	1
26	LV UNISTRUT SUPPORT	1
27	SHOCK RECORDER MOUNTING PROVIDED ON TANK WALL SEGMENT 3	1
28	BAY O NET FUSE	3



L.H. SIDE VIEW



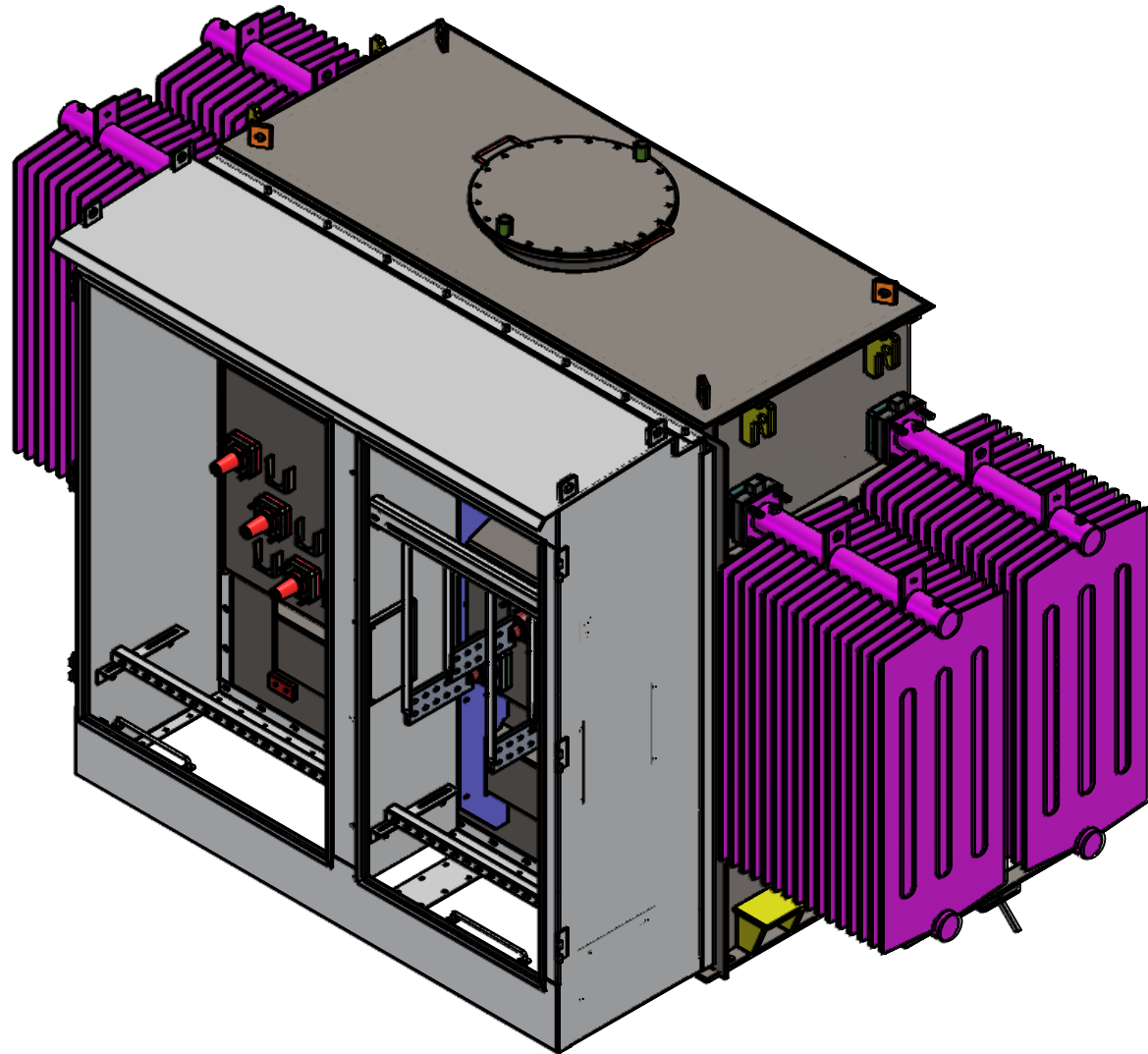
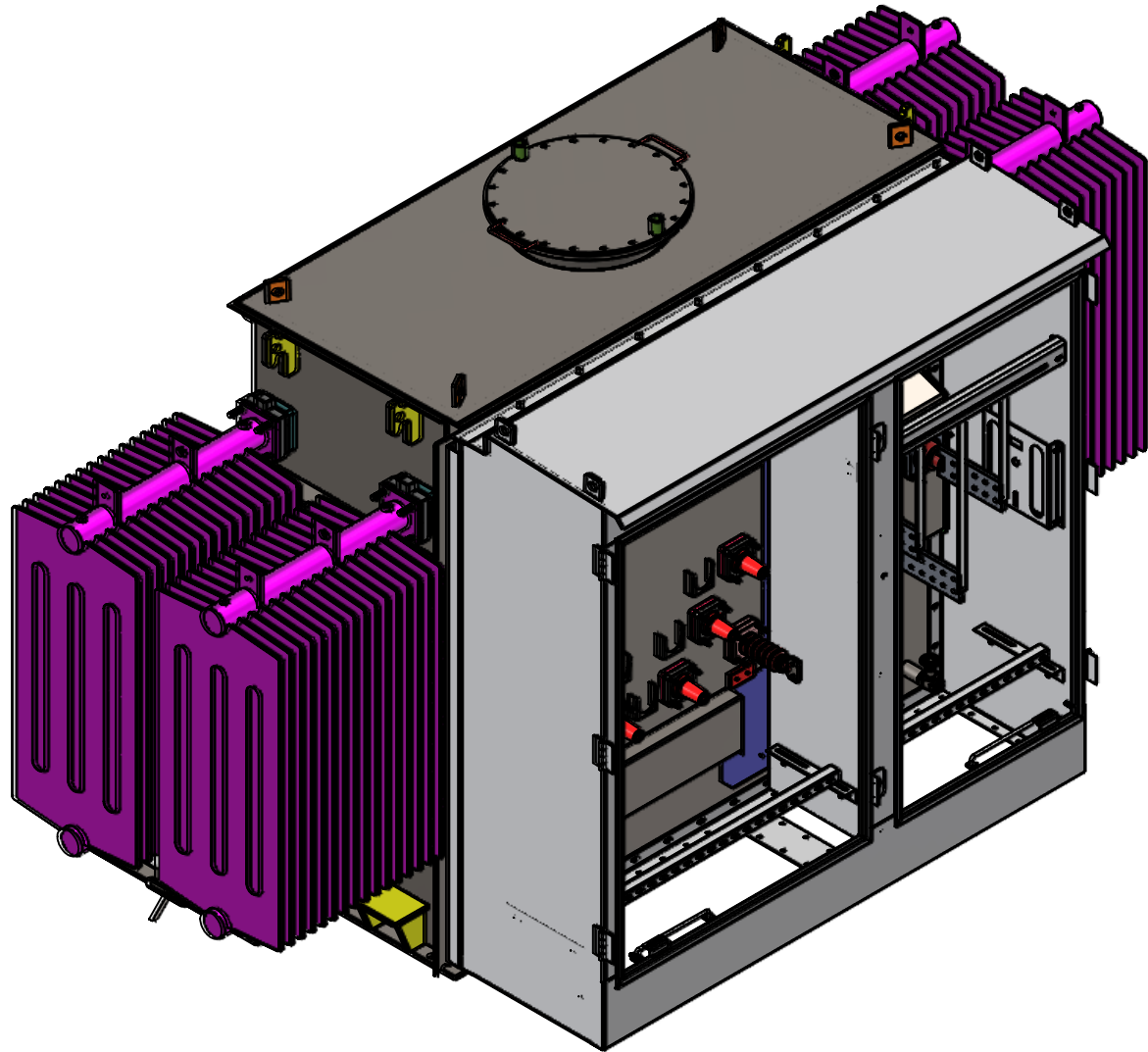
FRONT VIEW



R.H. SIDE VIEW

						NAME	SIGN.	DATE	CUSTOMER:-	ABUNDANT	SALES ORDER NO:-	9812
						DRN.BY	DRN	11.05.26	EPC/CONTRACTOR:-	----		
						CHD.BY	CNC	11.05.26	PROJECT:-	SCHWANGER		
						APPD.BY	VSS	11.05.26	TITLE:-	GENERAL ARRANGEMENTV FOR 2500KVA, 12.47/0.6KV PAD MOUNT TRANSFORMER		
						RELEASED FOR:-			ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFIED.			
						REFERENCE ☐ MANUFACTURING ☐						
R0	INITIAL SUBMISSION.	DRN	CNC	VSS	11.05.26	APPROVAL ☒ AS BUILT ☐			PROJECTION:-		DRAWING NO:-	
REV	DESCRIPTION	DRN.BY	CHD.BY	APPD.BY	DATE	IF IN DOUBTS,PLEASE ASK.			SCALE:-		TPE-D-25-9812	REV:-
												R0
											website:www.telawne.com	
											SIZE-A3	SHEET 1 OF 2

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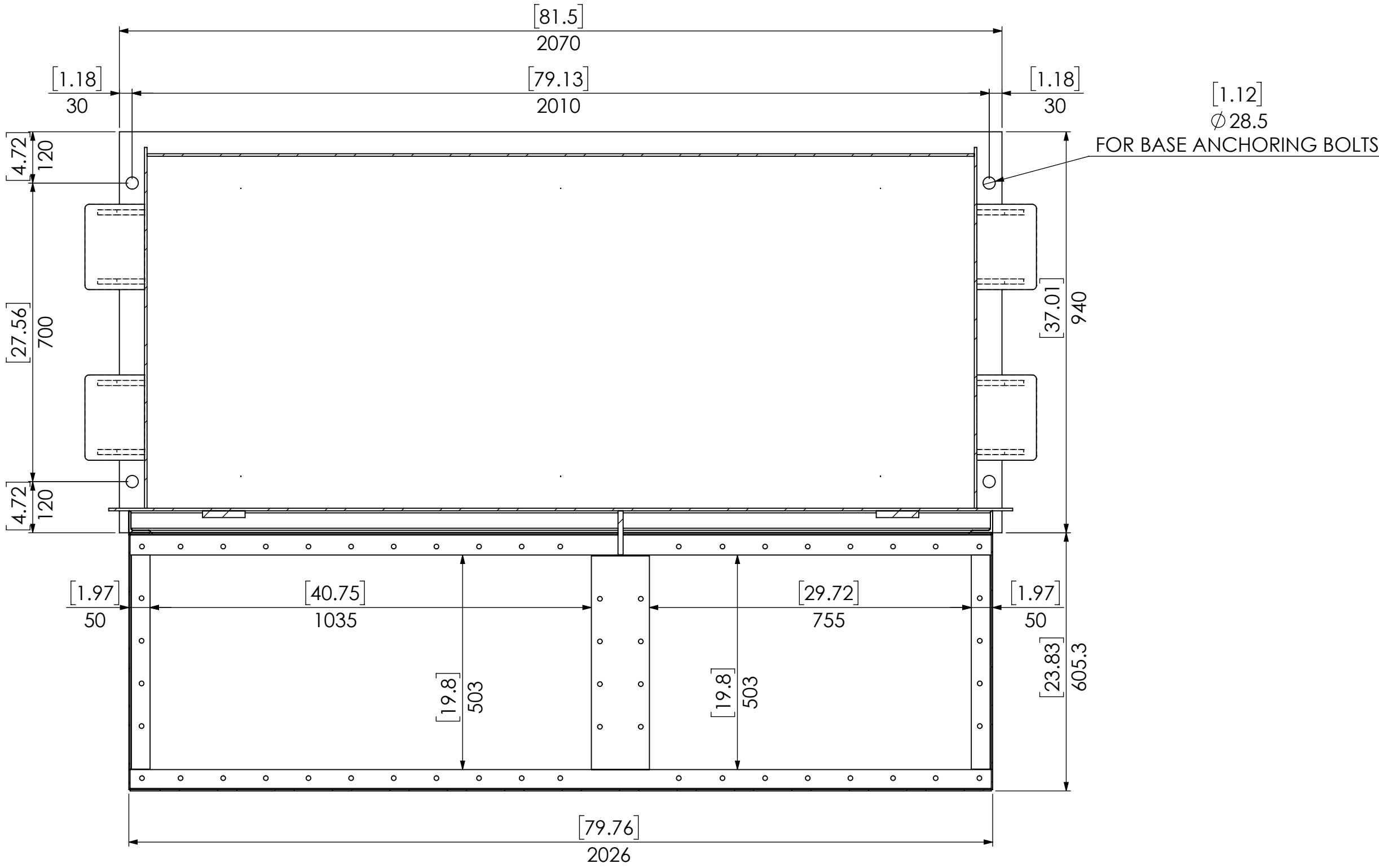


ISOMETRIC VIEW

	.						NAME	SIGN.	DATE	CUSTOMER:- ABUNDANT				SALES ORDER NO:- 9812	
	.					DRN.BY	DRN		11.05.26	EPC/CONTRACTOR:- ----					MANUFACTURED BY
	.					CHD.BY	CNC		11.05.26	PROJECT:- SCHWANGER					
	.					APPD.BY	VSS		11.05.26	TITLE:- GENERAL ARRANGEMENTV FOR 2500KVA, 12.47/0.6KV PAD MOUNT TRANSFORMER					SUPPLIED BY
	.					RELEASED FOR:-				ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFIED.					
	.					REFERENCE ☐ MANUFACTURING ☐									
R0	INTIAL SUBMISSION.		DRN	CNC	VSS	11.05.26	APPROVAL ☒ AS BUILT ☐		PROJECTION:- 		DRAWING NO:-		REV:-	website:www.telawne.com	
REV	DESCRIPTION		DRN.BY	CHD.BY	APPD.BY	DATE	IF IN DOUBTS,PLEASE ASK.		SCALE:-		TPE-D-25-9812		R0	SIZE-A3	SHEET 2 OF 2

8	7	6	5	4	3	2	1																																																																																					
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6.5(165.1MM) 11.0(279.4MM) 10.43(264.92MM) 7.0(177.8MM) MANUFACTURED BY TELAWNE TELAWNE POWER EQUIPMENTS PRIVATE LIMITED COUNTRY OF ORIGIN- INDIA THREE PHASE LIQUID FILLED PAD MOUNTED TRANSFORMER ANSI C57.12.00 SERIAL NUMBER: TPE-9812 <table><tr><td>KVA:2500</td><td>RISE : 65°C</td><td>FREQUENCY:60 Hz</td></tr><tr><td>HV: 12470Y</td><td>BIL:95 KV</td><td>PHASES: 3</td></tr><tr><td>LV: 600Y</td><td>BIL: 30KV</td><td>CLASS: KNAN</td></tr><tr><td>HV WDG: ALUMINUM</td><td>LV WDG: ALUMINUM</td><td>IMPEDANCE:</td></tr><tr><td>MFG DATE MM/YY</td><td colspan="2">LIQUID:NATURAL ESTER(BIO TRANSOL)</td></tr></table><table><tr><td rowspan="6">HV</td><td>VOLTS</td><td>AMPS @ 2500 KVA</td><td>POS</td><td rowspan="6">CAUTION DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS REFER INSTRUCTION MANUAL BEFORE ENERGIZATION</td></tr><tr><td>13800</td><td>104.59</td><td>1</td></tr><tr><td>13500</td><td>106.91</td><td>2</td></tr><tr><td>13200</td><td>109.34</td><td>3</td></tr><tr><td>13000</td><td>111.03</td><td>4</td></tr><tr><td>12470</td><td>115.74</td><td>5</td></tr><tr><td>LV</td><td>600</td><td>2405.63</td><td></td><td></td></tr></table> MAX. OPERATING PRESSURE 7 (48) PSI (kPa) POSITIVE, 5 (35) PSI (kPa) NEGATIVE. TANK DESIGNED FOR 15 (103) PSI (kPa) VACUUM FILLING. 25 °C LIQUID LEVEL TO TOP FLANGE OF MANHOLE 12.4(315)IN (mm). LIQUID LEVEL CHANGES 0.47(12) IN (mm) PER 10 °C CHANGE IN LIQUID TEMPERATURE. CONTAINS NO DETECTABLE LEVEL OF PCB (<2PPM) AT THE TIME OF MANUFACTURE. <table><tr><td colspan="2">APPROXIMATE WEIGHT Lbs (Kg)</td></tr><tr><td>CORE & COILS</td><td>7220 (3275)</td></tr><tr><td>TANK & FITTINGS</td><td>5820 (2640)</td></tr><tr><td>LIQUID U.S.(GALLONS)</td><td>609</td></tr><tr><td></td><td>5093 (2310)</td></tr><tr><td colspan="2">TOTAL WEIGHT 18133 (8225)</td></tr></table><table><tr><td>ITEM</td><td>CAT NO.</td><td>QUANTITY</td></tr><tr><td>CL FUSE</td><td>9F59CBC125</td><td>6 NO.S</td></tr><tr><td>BAY O NET FUSE</td><td>CPS4038361C05CB</td><td>3 NO.S</td></tr></table> H1 H2 H3 X1 X2 X3 PHASOR DIAGRAM Vector group Yhyn0 LOW VOLTAGE H00 H10 H20 H30 HIGH VOLTAGE X0 X1 X2 X3 UL FUSE EXPANSION FUSE UL LOGO SUPPLIED BY: TEXAS TRANSFORMERS AND EQUIPMENT PHONE NO:- +1 (806) 855-0086 EMAIL:- info@txtransformers.com MATERIAL: 0.10” STAINLESS STEEL NON-CORROSIVE LETTER LASER ENGRAVED 0.25 DIA. HOLES (4) REMARK-COLOUR OF COMPANY NAME & LOGO SHOULD BE AS ACTUAL. ALL DIMENSIONS ARE IN INCHES								KVA:2500	RISE : 65°C	FREQUENCY:60 Hz	HV: 12470Y	BIL:95 KV	PHASES: 3	LV: 600Y	BIL: 30KV	CLASS: KNAN	HV WDG: ALUMINUM	LV WDG: ALUMINUM	IMPEDANCE:	MFG DATE MM/YY	LIQUID:NATURAL ESTER(BIO TRANSOL)		HV	VOLTS	AMPS @ 2500 KVA	POS	CAUTION DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS REFER INSTRUCTION MANUAL BEFORE ENERGIZATION	13800	104.59	1	13500	106.91	2	13200	109.34	3	13000	111.03	4	12470	115.74	5	LV	600	2405.63			APPROXIMATE WEIGHT Lbs (Kg)		CORE & COILS	7220 (3275)	TANK & FITTINGS	5820 (2640)	LIQUID U.S.(GALLONS)	609		5093 (2310)	TOTAL WEIGHT 18133 (8225)		ITEM	CAT NO.	QUANTITY	CL FUSE	9F59CBC125	6 NO.S	BAY O NET FUSE	CPS4038361C05CB	3 NO.S																								
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LV: 600Y	BIL: 30KV	CLASS: KNAN																																																																																										
HV WDG: ALUMINUM	LV WDG: ALUMINUM	IMPEDANCE:																																																																																										
MFG DATE MM/YY	LIQUID:NATURAL ESTER(BIO TRANSOL)																																																																																											
HV	VOLTS	AMPS @ 2500 KVA	POS	CAUTION DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS REFER INSTRUCTION MANUAL BEFORE ENERGIZATION																																																																																								
	13800	104.59	1																																																																																									
	13500	106.91	2																																																																																									
	13200	109.34	3																																																																																									
	13000	111.03	4																																																																																									
	12470	115.74	5																																																																																									
LV	600	2405.63																																																																																										
APPROXIMATE WEIGHT Lbs (Kg)																																																																																												
CORE & COILS	7220 (3275)																																																																																											
TANK & FITTINGS	5820 (2640)																																																																																											
LIQUID U.S.(GALLONS)	609																																																																																											
	5093 (2310)																																																																																											
TOTAL WEIGHT 18133 (8225)																																																																																												
ITEM	CAT NO.	QUANTITY																																																																																										
CL FUSE	9F59CBC125	6 NO.S																																																																																										
BAY O NET FUSE	CPS4038361C05CB	3 NO.S																																																																																										
A																																																																																												
<table><tr><td colspan="4"></td><td>NAME</td><td>SIGN</td><td>DATE</td><td>CUSTOMER:-ABUNDANT</td><td>SALES ORDER NO. 9812</td></tr><tr><td colspan="4"></td><td>DRAWN BY</td><td>PSM</td><td>11.05.26</td><td>EPC/CONTRACTOR:-</td><td rowspan="3"> TELAWNE MANUFACTURED BY </td></tr><tr><td colspan="4"></td><td>CHKD BY</td><td>MBG</td><td>11.05.26</td><td>PROJECT:-SCHWANGER</td></tr><tr><td colspan="4"></td><td>APPD BY</td><td>VSS</td><td>11.05.26</td><td>TITLE:- RATING & DIAGRAM PLATE FOR 2500kVA, 12.47/0.6 kv. PAD MOUNTED TRANSFORMER</td></tr><tr><td colspan="4"></td><td colspan="3">RELEASED FOR :-</td><td colspan="2">ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFIED.</td><td rowspan="3"> TEXAS SUPPLIED BY </td></tr><tr><td colspan="4"></td><td colspan="3">REFERENCE ☐ MANUFACTURING ☐</td><td colspan="2">PROJECTION : </td></tr><tr><td colspan="4"></td><td colspan="3">APPROVAL ☒ AS BUILT ☐</td><td colspan="2">DRAWING NO. TPE-D-26-9812</td></tr><tr><td colspan="4"></td><td colspan="3">IF IN DOUBT, PLEASE ASK</td><td colspan="2">SCALE : NTS</td><td>REV:-R0</td></tr><tr><td colspan="4"></td><td colspan="2">REV</td><td>DESCRIPTION</td><td>DRN BY</td><td>CHD BY</td><td>APPD BY</td><td>DATE</td><td colspan="2">website: www.telawne.com SIZE-A3 SHEET: 1 OF 1</td></tr></table>												NAME	SIGN	DATE	CUSTOMER:-ABUNDANT	SALES ORDER NO. 9812					DRAWN BY	PSM	11.05.26	EPC/CONTRACTOR:-	TELAWNE MANUFACTURED BY					CHKD BY	MBG	11.05.26	PROJECT:-SCHWANGER					APPD BY	VSS	11.05.26	TITLE:- RATING & DIAGRAM PLATE FOR 2500kVA, 12.47/0.6 kv. PAD MOUNTED TRANSFORMER					RELEASED FOR :-			ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFIED.		TEXAS SUPPLIED BY					REFERENCE ☐ MANUFACTURING ☐			PROJECTION :						APPROVAL ☒ AS BUILT ☐			DRAWING NO. TPE-D-26-9812						IF IN DOUBT, PLEASE ASK			SCALE : NTS		REV:-R0					REV		DESCRIPTION	DRN BY	CHD BY	APPD BY	DATE	website: www.telawne.com SIZE-A3 SHEET: 1 OF 1	
				NAME	SIGN	DATE	CUSTOMER:-ABUNDANT	SALES ORDER NO. 9812																																																																																				
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				REV		DESCRIPTION	DRN BY	CHD BY	APPD BY	DATE	website: www.telawne.com SIZE-A3 SHEET: 1 OF 1																																																																																	
8	7	6	5	4	3	2	1																																																																																					

THIS DRAWING/DRAWING IS THE PROPERTY OF M/S. TELAWNE POWER EQUIPMENT PVT.LTD., IT SHOULD NOT BE OPIED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION OF TELAWNE POWER EQUIPMENT PVT LTD, NAVI MUMBAI.



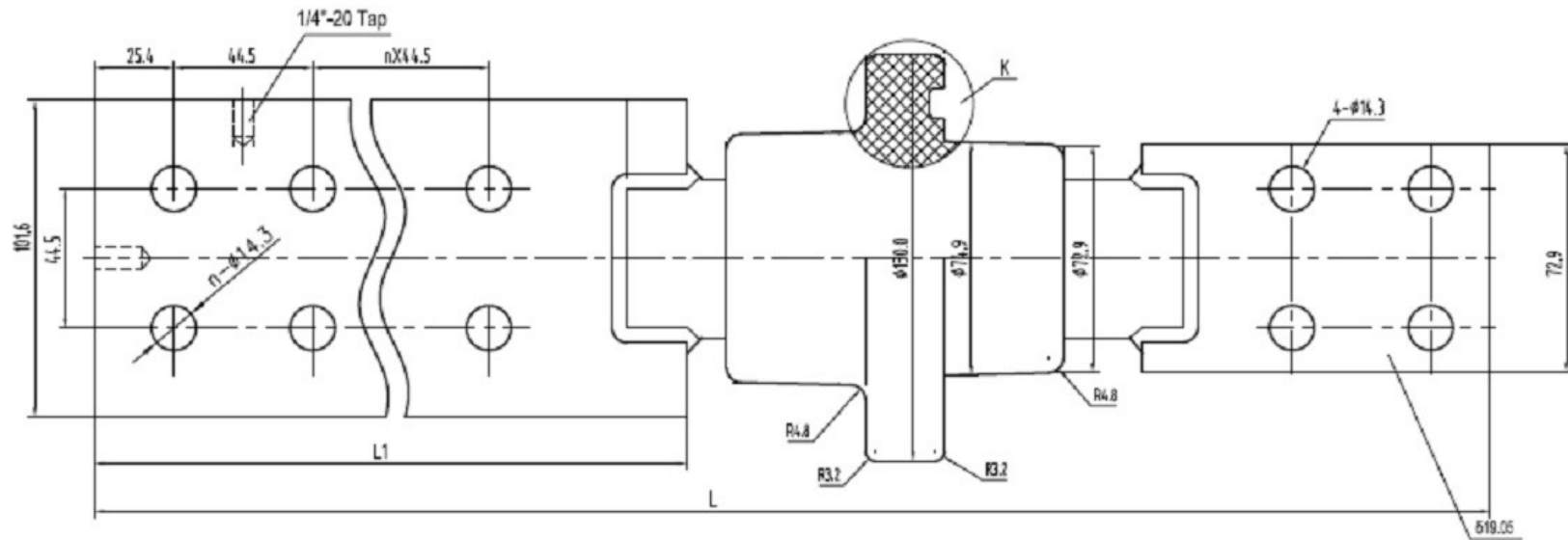
NOTE:-
ALL DIMENSION ARE IN MM & INCHES IS SHOWN IN PARENTHESIS

							NAME	SIGN.	DATE	CUSTOMER:- ABUNDANT			SALES ORDER NO:- 9812			
						DRN.BY	DRN		11.05.26	EPC/CONTRACTOR:- ----				MANUFACTUR BY		
						CHD.BY	CNC		11.05.26	PROJECT:- SCHWANGER						
						APPD.BY	VSS		11.05.26	TITLE:- FOUNDATION DRAWING FOR 2500KVA 12.47/0.6KV PAD MOUNTED TRANSFORMER						
						RELEASED FOR:-				ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFIED.				SUPPLIED BY		
						REFERENCE ☐ MANUFACTURING ☐										
R0	INITIAL SUBMISSION.	DRN	CNC	VSS	11.05.26	APPROVAL ☒ AS BUILT ☐				PROJECTION:- 		DRAWING NO:-	REV:-	website:www.telawne.com		
REV	DESCRIPTION	DRN.BY	CHD.BY	APPD.BY	DATE	IF IN DOUBTS,PLEASE ASK.				SCALE:-		TPE-D-66-9812		R0	SIZE-A3	SHEET 1 OF 1



TELAWNE POWER EQUIPMENTS PRIVATE LIMITED
DATA-SHEET INDEX

So no:- 9812		kVA:-2500	kV:- 12.47/0.6kV
Project Name: Schwanger			
Customer Name:- Abundant			
Sr no	Item Name	Datasheet & Model No	No of Pages
1	LV & 'N' Bushing	2A407525	1
2	HV Bushing	TG-15/600-3	1
3	HV 'N' Bushing	GN1422-003	1
4	OCTC	WSL II 150_35-6x5	1
5	Load Break Switch	LBS 0238	1
6	Bay O Net fuse	CPS4038361C05CB	1
7	Current limiting fuse	9F59CBC125	2
8	Pressure Vacuum Gauge (WOC)	131/2	1
9	Pressure Relief Valve (WOC)	311-1	1
10	Liquid Level Gauge (WOC)	805.321	1
11	Liquid Temperature Gauge (WOC)	113.1	1
12	Radiator Valve	213-2320, (DRG NO 213 R4)	1
13	Schrader Valve	319-2	1
14	Upper filter valve	171-1	1
15	Lower drain valve	173-6	1
16	Ball Valve	A-015	1
Rev No.	R0		
Date	13-May-26		
Prepared By	PSM		
Checked By	MBG		
Approved By	VSS		

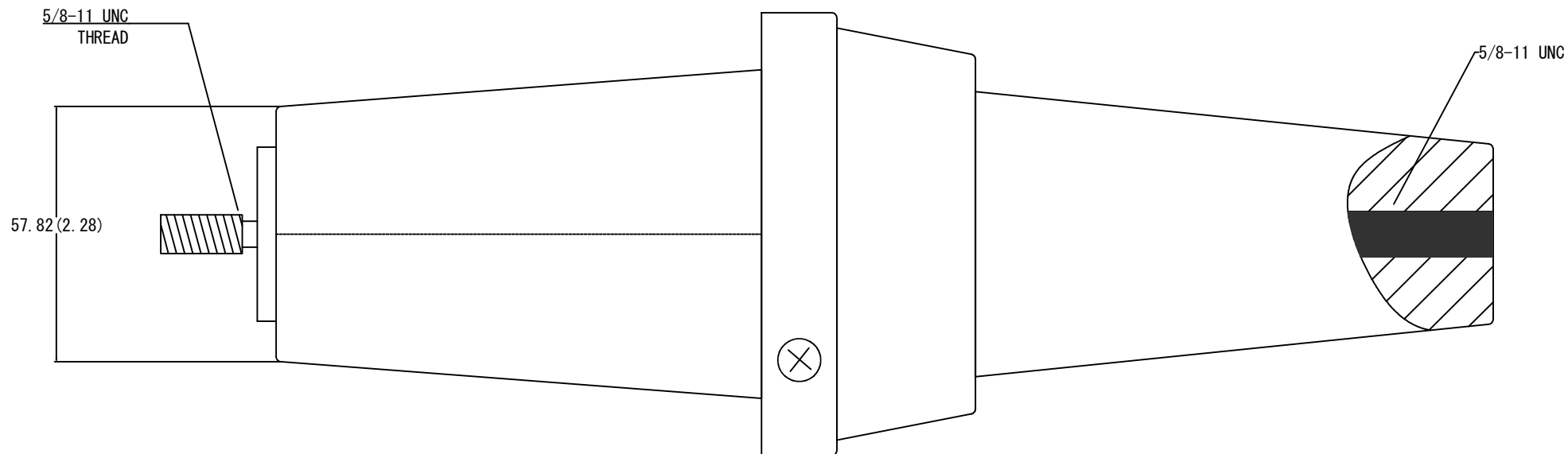


NOTE:

- 1) Voltage Class 2.5kV, BIL 45kV;
- 2) Rated current 3150A;
- 3) Application temperature -50~130°C, Indoor condition without salt fog and chemical corrosion;
- 4) Conductor and terminal spade: Aluminium alloy 6101-T63 tin-platted thickness >5um;
- 5) Epoxy system: High performance resin and hardener, color grey;
- 6) One piece of clamp is included;
- 7) Recommended dia. of tank hole: 78.0 $\pm$ 0.5 mm

Part No.	Spade Holes	L1	L
2A407525	10	266.7	524.0

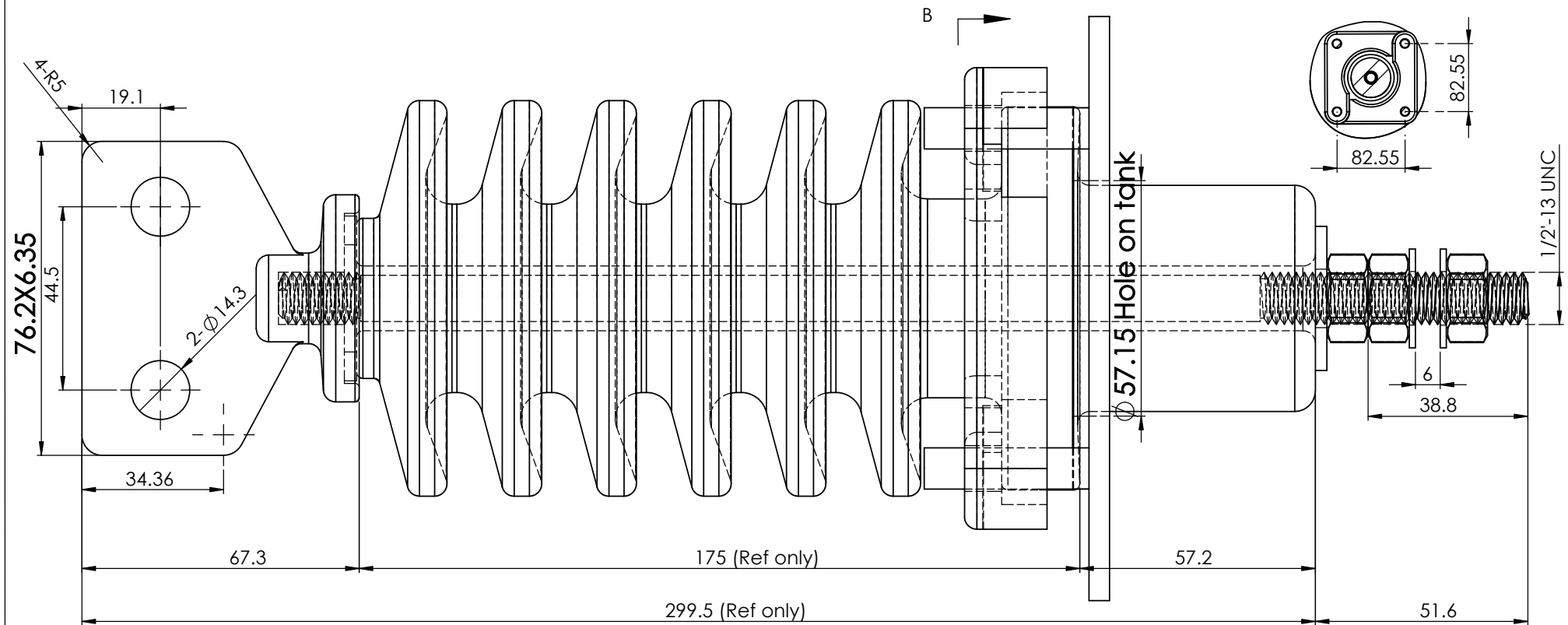
REV.	NAME	DATE	DESCRIPTION	
			LV BUSHING 2.5kV-45kVBIL.3150 A	
			2A4075XX-G01	TPEPL



NOTE:

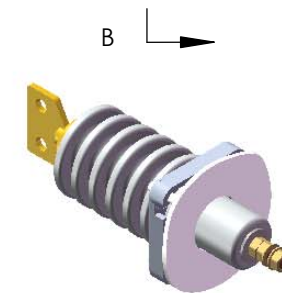
- 1) Rated Voltage 15/25/28 kV
- 2) BIL and Full Wave Crest 125 kV
- 3) Continuous Current 600A
- 4) Deadbreak Apparatus Bushing

REV.	NAME	DATE	DESCRIPTION	
			HV BUSHING 15/25/28kV 600 A	
			TG-25/600-3	TPEPL



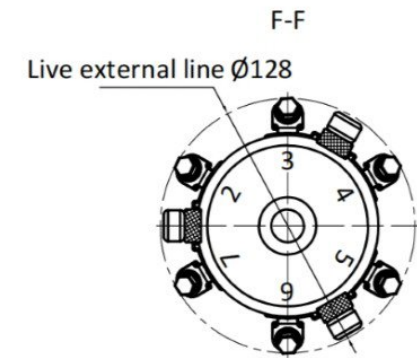
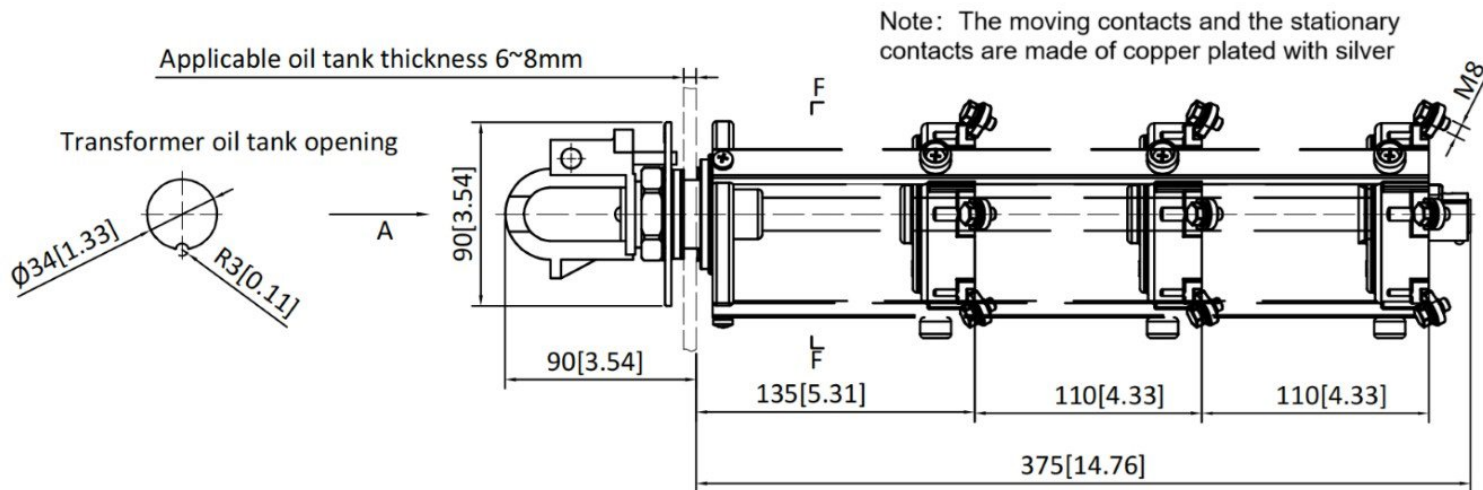
Porcelain sleeve exposed copper parts tinned, thickness >5 um

ITEM	DESCRIPTION	QTY	
1	Porcelain Bushing GNY 7188	1	Porcelain
2	Plain gasket $\Phi 40 \times \Phi 16 \times 3$	1	NBR
3	1422-208A 2HOLE Terminal	1	Brass Forging
4	Stem 15kV 208A	1	Copper
5	Steel washer 1/2" ANSI B18.22.1 (USS)	1	Stainless steel 304
6	Brass Nut 1/2"-13 (H=10)	3	Brass
7	Brass gasket $\Phi 24 \times \Phi 13 \times 1.5$	2	Brass
8	Flange gasket 92.5X57.2X4	1	NBR
9	Transformer Tank (15kV 208A)	1	Not in scope of supply
10	ANSI Triangle Flange (82.55X82.55)	2	Aluminum alloy

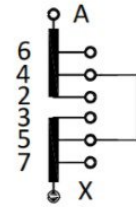


Rated Voltage	=15 kV
Rated Current	=208 A
Creep Distance	>=330 mm
Impulse Level	=95 kV
wet withstand Voltage	= kV
Tank Hole Diameter	= 57.15 mm
Porcelain Color	=gray

					ANSI HV Bushing 2-Hole spade type		STARRYSKY	
					15kV /208A		Transformer Bushing	
Design	JULY LI	Check					DWG NO GN1422-003	
Approve		Craft				Weight Scale		
		Date	2021.03.24				1:1	



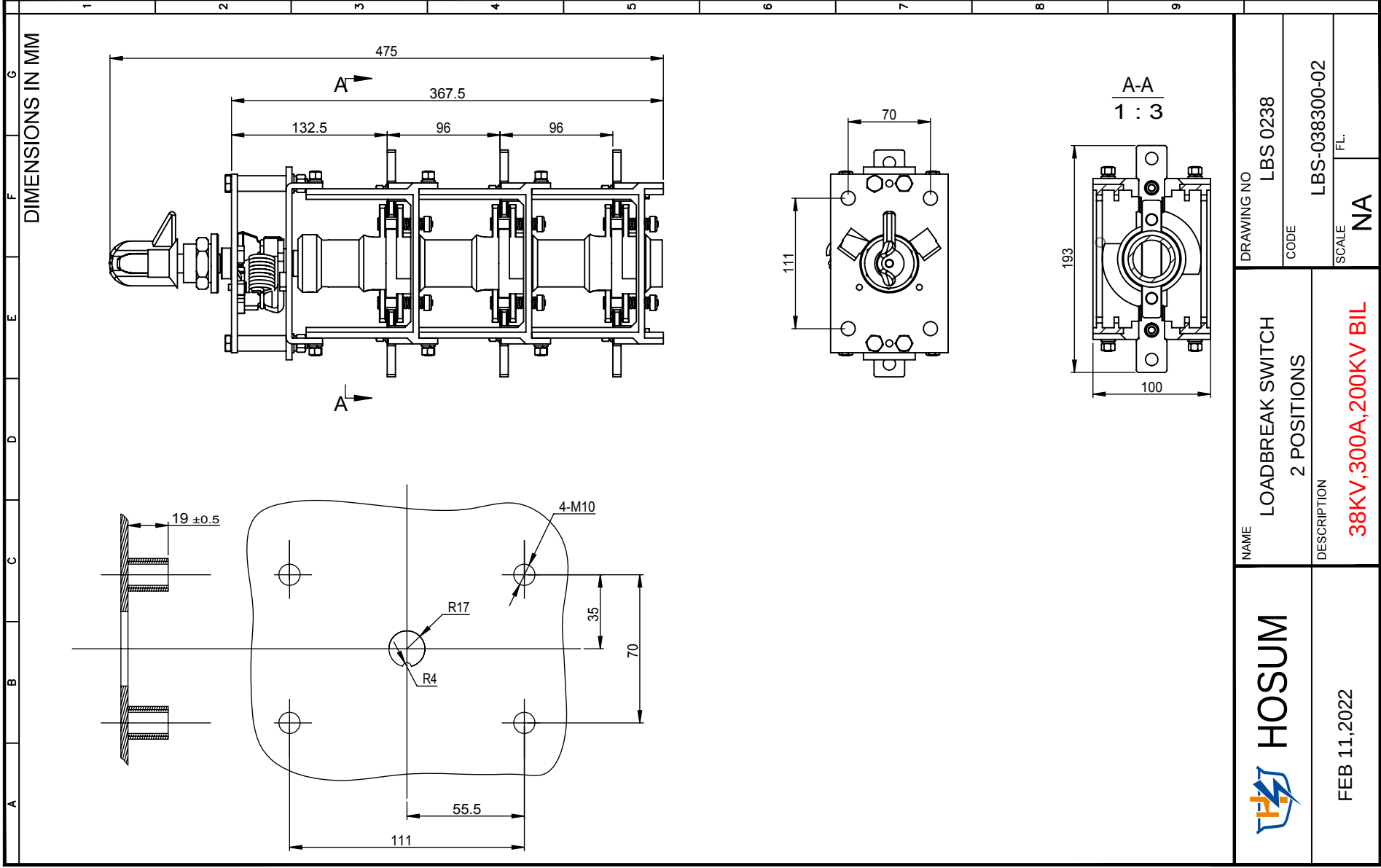
A direction



Wiring principle(Take Phase A as an example)

Electrical parameters	
Rated Voltage	35kV
Power frequency withstand voltage	
——To earth	95kV/1min
——Inter phase	95kV/1min
Rated lightning impulse (BIL)	200kV
Rated Current	150A

35kV 150A Three phase 5-position Tap Changer (WSL II ₃ 150/35-6×5)			
Version	1:1	Unit of Length	[inch]mm
Version	A	Drawing No	SG010AA00
Designed		Zhang Liangyi	
Checked		Wang Gang	
Approved		Zhao Daixin	
2022/10/09		上海舍达电气有限公司 Shanghai Sid Electric Co.,Ltd	
2022/10/09			
2022/10/09			



FEB 11, 2022

NAME
LOADBREAK SWITCH
2 POSITIONS

DESCRIPTION
38KV, 300A, 200KV BIL

DRAWING NO
LBS 0238

CODE
LBS-038300-02

SCALE
NA

CONFIDENTIAL INFORMATION

Specifications



Photo is representative



Eaton 4038361C05CB

Eaton Cooper Power series high ampere overload Bay-O-Net fuse link, Bay-O-Net, High ampere overload Bay-O-Net fuse link, 125A, 15.5 kV, 15.5 kV Fuse Max, Current Rating 125A

General specifications

PRODUCT NAME	Eaton Cooper Power series RTE high ampere overload Bay-O-Net fuse link
CATALOG NUMBER	4038361C05CB
UPC	194006049580
PRODUCT HEIGHT	4.72 in
PRODUCT DIAMETER	0.934 in
PRODUCT WEIGHT	0.35 lb
CERTIFICATIONS	Not Applicable
PRODUCT TYPE	High ampere overload Bay-O-Net fuse link



Powering Business Worldwide

Description

TYPE	High ampere overload Bay-O-Net fuse link
-------------	---

Electrical Ratings

AMPERAGE RATING	125 A
FUSE VOLTAGE RATING - MAX	15.5 kV
VOLTAGE RATING	15.5 kV

Resources

SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 4038361C05CB Line installation and protective equipment specifiers guide
----------------------------------	---

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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The H-J Family of Companies

Current Limiting Fuses



The H-J Family of Companies
3010 High Ridge Blvd.
High Ridge, Mo. 63049 USA
+1-636-677-3421
info@h-j.com
www.h-j.com

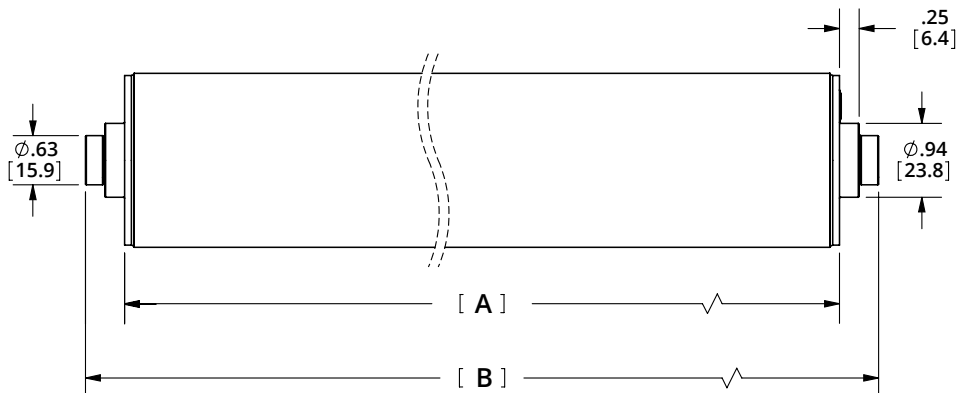




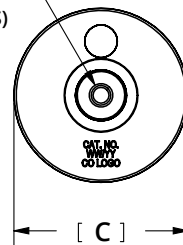
Shorty OSP Fuses

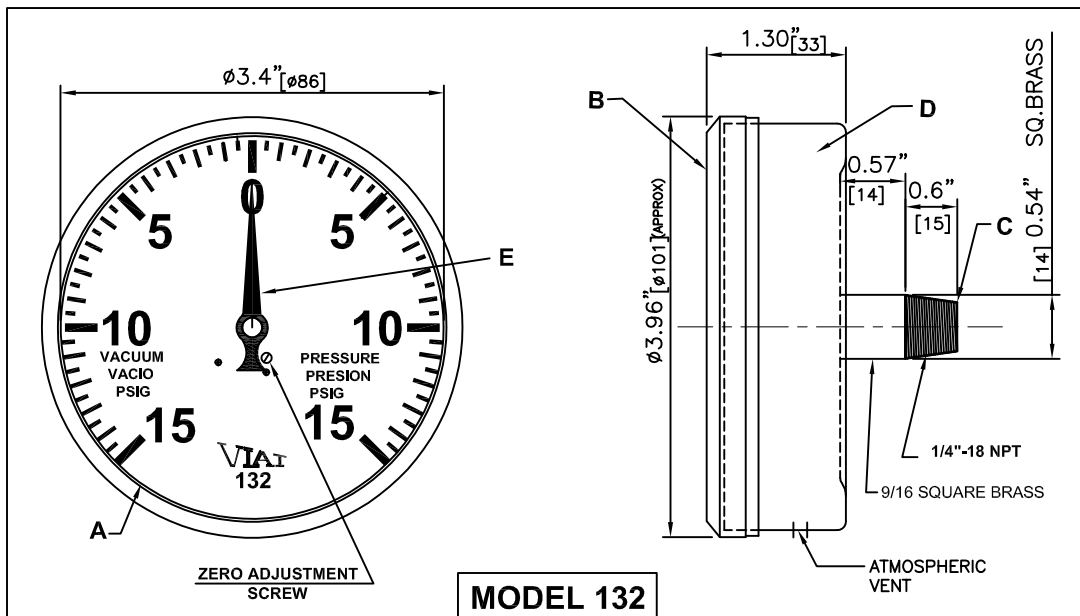
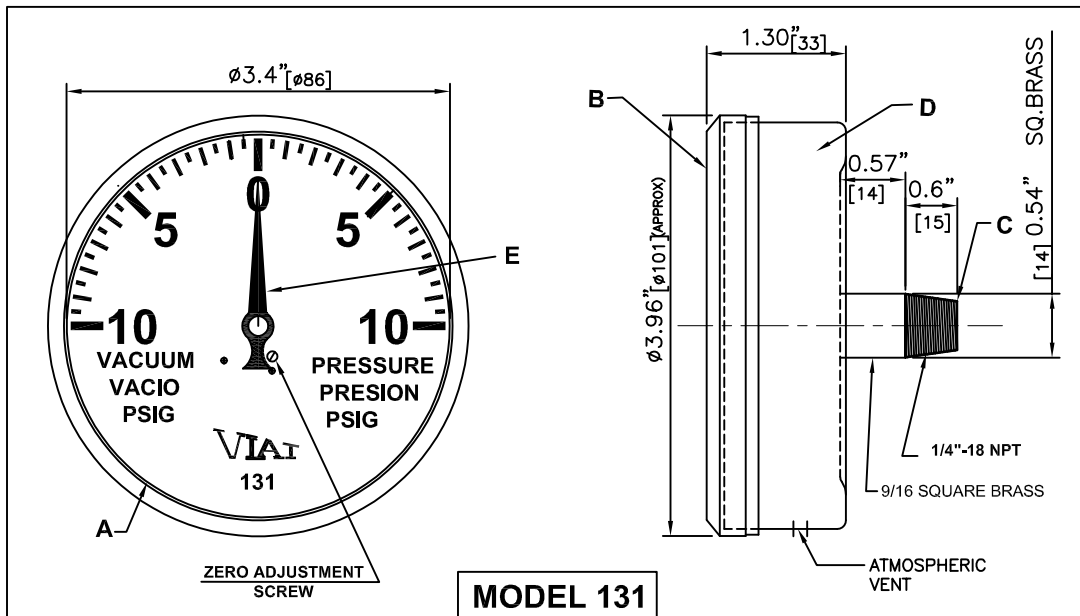
Shorty Fuses 9F59C Series

Max Voltage	Continuous Current Rating	H-J Cat. #	Fuse Diameter “C”	Body Length “A”	Overall Length “B”	Minimum Interrupting Rating	Minimum Melting I²t	Maximum Total I²t	Peak Arc Voltage	Maximum Interrupting Rating
kV	RMS AMPs	–	Inch	Inch	Inch	RMS AMPs	A²s	A²s	kV	RMS AMP Sym
8.3	30	9F59CBC030	2.21	6.09	7.09	260	1890	10000	25	50,000
	40	9F59CBC040				415	3180	12800		
	125	9F59CBC125		9.89	10.92	850	39690	136000		
	150	9F59CBC150				900	24200	130000		
	165	9F59CBC165				1020	40590	200000		
	200	9F59CBC200				1120	56250	267000		
10.0	50	9F59CBC050		6.68	7.70	300	2600	21500	24	
	65	9F59CBC065				350	3870	31000		
	80	9F59CBC080				430	6490	51000		
	100	9F59CBC100				570	13290	101000		
15.5	165	9F59CBD165	2.21	15.49	16.53	780	53150	194000	43	50,000
17.2	30	9F59CBD030	2.21	8.17	9.17	240	1280	6200	49	50,000
	40	9F59CBD040				330	2430	10500		
	50	9F59CBD050				440	4410	17700		
	65	9F59CBD065		11.01	12.01	360	3870	27500	45	
	80	9F59CBD080				440	6490	39000		
	100	9F59CBD100				580	13290	67800		
	125	9F59CBD125		15.49	16.49	540	15490	66200	47	43,500
	150	9F59CBD150				700	36000	132000		
25.5	30	9F59CBE030	2.21	11.68	12.68	300	970	6900	64	50,000
	40	9F59CBE040				390	1620	10300		
	50	9F59CBE050				570	3320	21600		
	65	9F59CBE065		15.29	16.29	360	3870	29700		
	80	9F59CBE080				440	6490	43900		
	100	9F59CBE100				575	13290	87500		
38.0	65	9F59CCF065	3.29	18.32	19.32	440	2600	12500	105	50,000
	80	9F59CCF080				550	5800	24200		
	100	9F59CCF100				700	9000	38900		
	125	9F59CCF125				950	19300	74500		
	*140	9F59CCF140		20.97	21.97	710	24300	105000		
	165	9F59CCF165				1200	43500	164000		
	200	9F59CDF200			25.97	1100	52600	230000		25,000

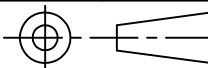
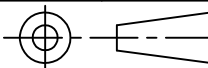


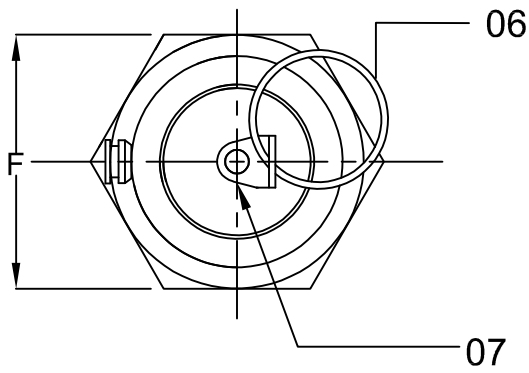
1/4-20 UNC ∇ .50[12.7]
 ∇ ϕ .30[7.6] X 90°, NEAR SIDE
 (BOTH ENDS)





PART NO	QTY	DESCRIPTION	MATERIAL
A	1	DIAL	ALUMINIUM BLACK WITH WHITE MARKING
B	1	LENS	TOUGHENED GLASS
C	1	MOUNTING THREAD	BRASS
D	1	CASE	STAINLESS STEEL
E	1	POINTER	ALUMINIUM PAINTED WHITE

				VIAT INSTRUMENTS PVT. LTD. INDIA				
				CLIENT :		FOR TEST SPECIFICATIONS CALL FOR TEST STANDARD OF THIS PRODUCT		
				DRN.	P.K.B	TITLE: <u>PRESSURE VACUUM GAUGE</u> <u>WITHOUT CONTACTS</u> <u>MODEL: 131/132</u>		
				APPD.	A.G			
				DATE	07.07.20			
				SCALE	N.T.S.	ALL PREVIOUS DRAWING OF 131 HAVE BEEN REPLACED BY RELEASE 2		
						DRG. NO. : 131/2		
NO.	DATE	DESCRIPTION	APPD.			Revision Level	0	SH. 1
REVISIONS						RELEASE	2	OF 1
				Form No. : VIAT-QS-04:03:01 Rev. 0		DIMENSIONS ARE IN INCHES AND FOR REFERENCE ONLY		



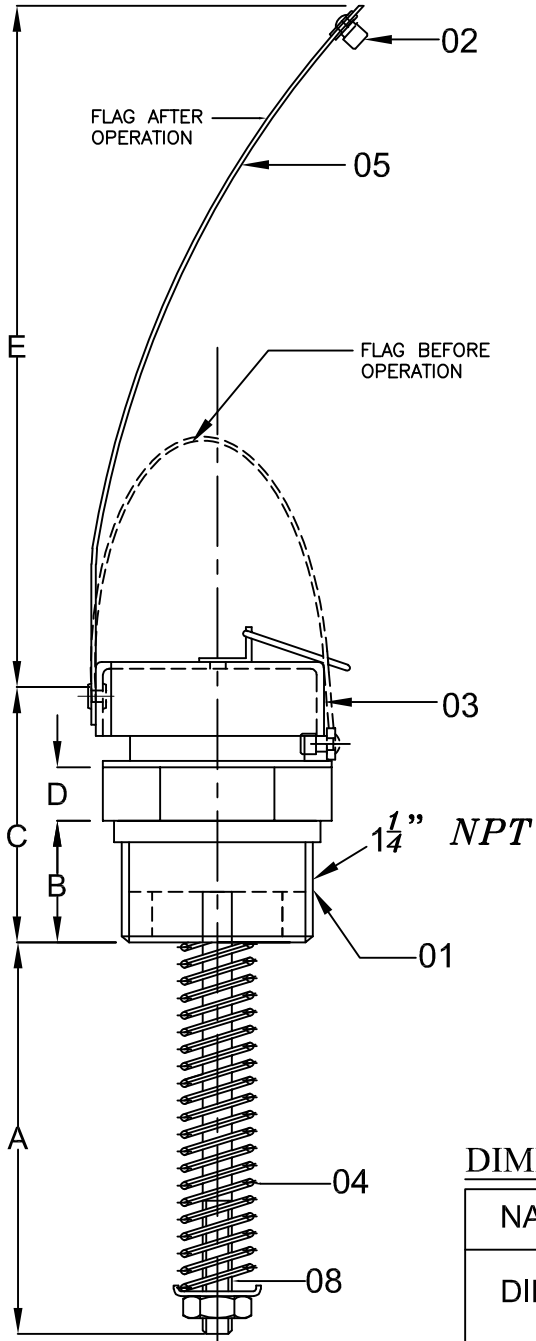
ORDERING DATA

MODEL NO

3 1 1 - X 0

PRESSURE SET

MODEL NO ON THE PRODUCT WILL HAVE ONLY FIRST 3 DIGITS AND PRESSURE SETTINGS



PART LIST:-

PART NO.	DESCRIPTION	MATERIAL
01.	BASE BODY	BRASS
02.	LOCK	STAINLESS STEEL
03.	CAP	STAINLESS STEEL
04.	SPRING	EN 58A / AISI 302
05.	YELLOW FLAG	SPRING STEEL
06.	PULL RING	STAINLESS STEEL
07.	L-BRACKET	STAINLESS STEEL
08.	ROD	STAINLESS STEEL

PRESSURE SET

ID	PSI
1	10
2	5.8
3	3.5

DIMENSIONAL TABLE :-

NAME	A	B	C	D	E (MAX)	F(A/F)
DIM.	3.14" (80.0)	1" (25.4)	2" (53.0)	0.46" (11.7)	4.95" (125.73)	1.81" (46.0)

VIAT INSTRUMENTS PVT. LTD. INDIA

CLIENT :

FOR TEST SPECIFICATIONS CALL FOR TEST STANDARD OF THIS PRODUCT

DRN.	P.K.B
APPD.	A.G
DATE	12.12.19
SCALE	N.T.S.

TITLE: **PRESSURE RELIEF VALVE**
SIZE 1 1/4" NPT
INDICATING TYPE

ALL PREVIOUS DRAWINGS OF 311 SERIES HAVE BEEN REPLACED BY RELEASE 2



DRG. NO. : 311

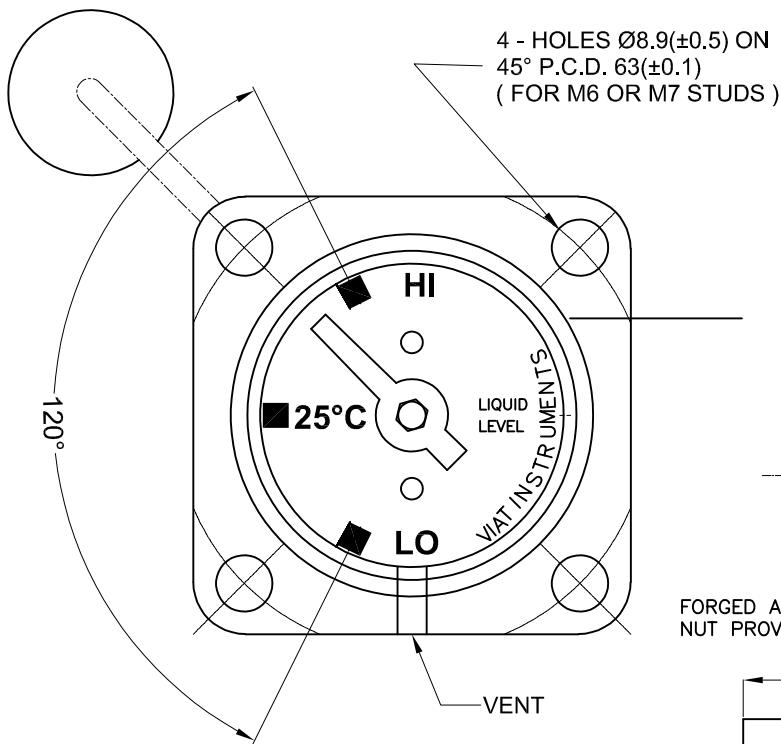
Revision Level	0	SH. 1
RELEASE	2	OF 1

Form No. : VIAT-QS-04:03:01 Rev. 0

DIMENSIONS ARE IN INCH (MM.) AND FOR REFERENCE ONLY

REVISIONS

NO.	DATE	DESCRIPTION	APPD.
-----	------	-------------	-------



ORDERING DATA

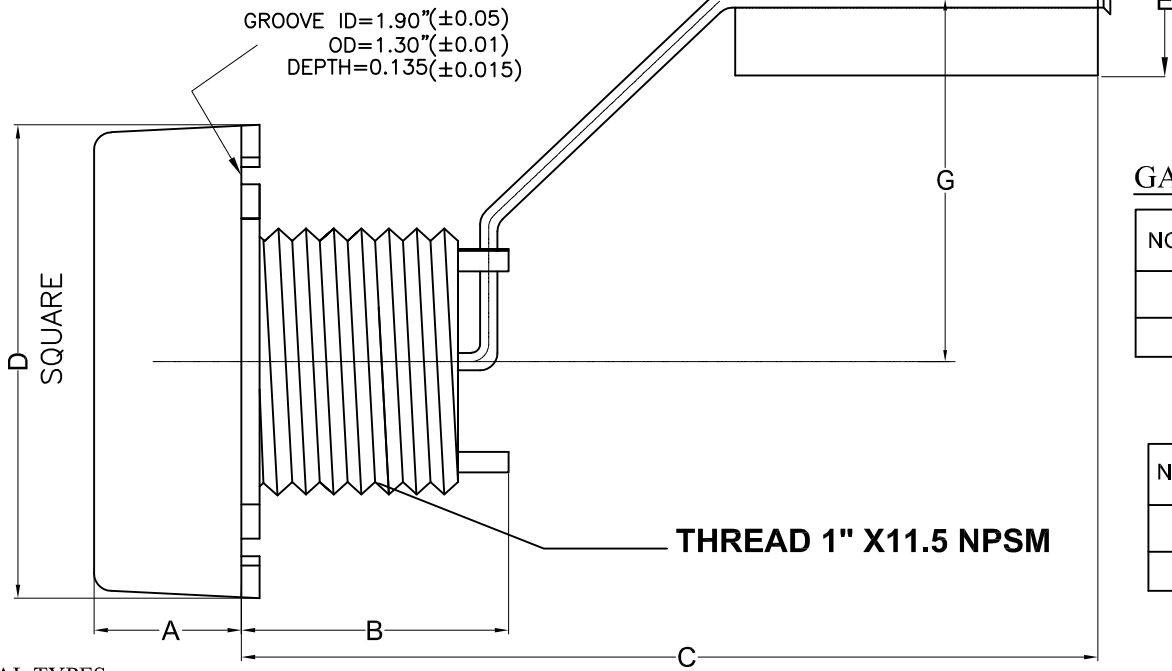
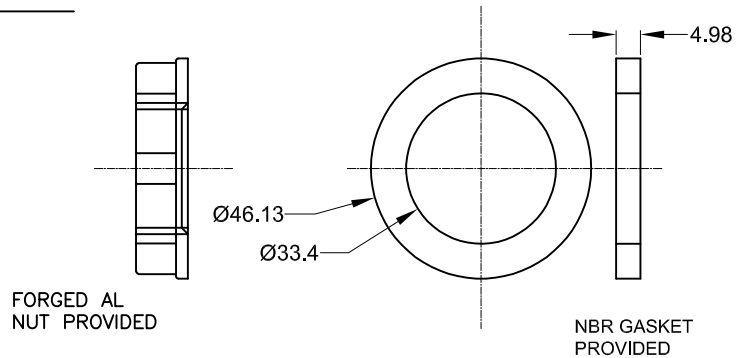
MODEL NO

8 0 5 . X X X

DIAL TYPES

GASKETS

NUT TYPE



GASKET TABLE:-

NOMEN	TYPE
1	WITHOUT GASKET
2	WITH GASKET

NUT TABLE:-

NOMEN	TYPE
0	WITHOUT NUT
1	WITH NUT

DIAL TYPES:-

NOMEN	1	2	3
Dial No.	Dial No. 80505	Dial No. 80505B	Dial No. 80505A
DETAILS			

NOTE: WITH THE FLOAT POSITIONED HORIZONTAL AND PARALLEL TO THE GAUGE BODY THE POINTER MUST COVER HALF OF THE 25°C OR 20°C MARK

DIMENSIONAL TABLE

NAME	A±1	B±1	C±2	D±1	E±0.2	F±0.5	'G'±0.5 (FLOAT ARM LENGTH)
DIM.	15	35	100	60.5	Ø22.8	45	50

VIAT INSTRUMENTS PVT. LTD. INDIA

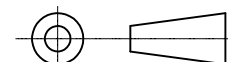
CLIENT :

FOR TEST SPECIFICATIONS CALL FOR TEST STANDARD OF THIS PRODUCT

DRN. P.K.B
APPD. A.G.
DATE 17.12.19
SCALE N.T.S.

TITLE : OIL LEVEL INDICATOR
MODEL: 805

ALL PREVIOUS DRAWINGS OF 805 SERIES HAVE BEEN REPLACED BY RELEASE 2



DRG. NO. : 805

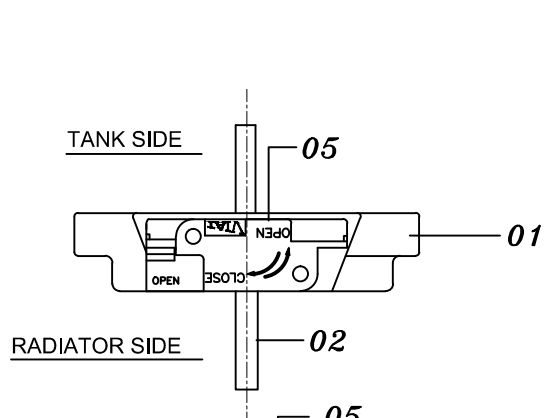
REVISION LEVEL 0 SH. 1
RELEASE 2 OF 1

NO. DATE DESCRIPTION APPD.

REVISIONS

Form No. : VIAT-QS-04:03:01 Rev. 0

DIMENSIONS ARE IN MILLIMETER(IN) AND FOR REFERENCE ONLY



ORDERING DATA

MODEL NO.							
2	1	3	-	X	X	X	0

PAINT SHADE

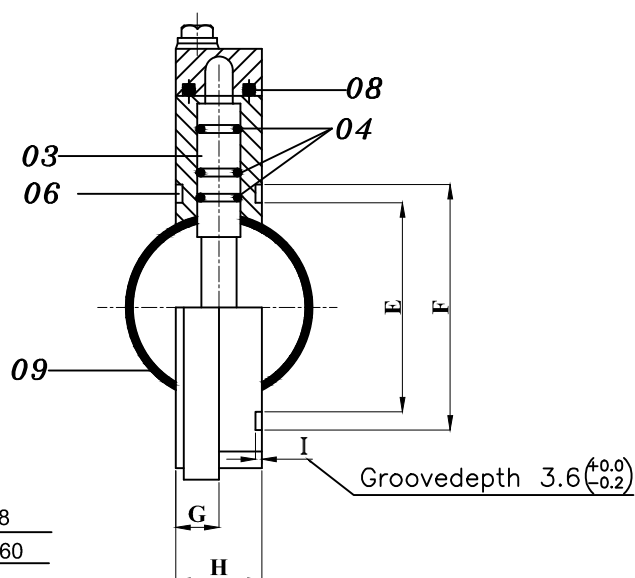
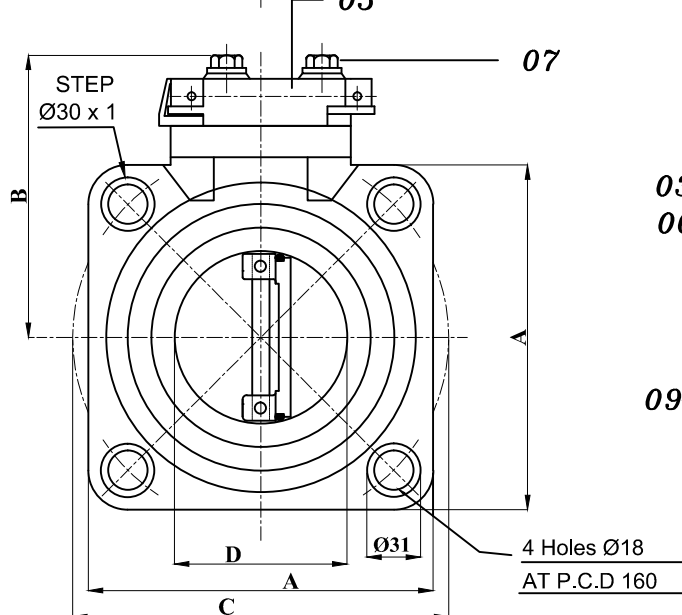
ID NO	PAINT SHADE
1	ZINC PLATING (10 Micron)
2	RAL 7035
3	RAL 7033
4	RAL 7032

GASKET TYPE

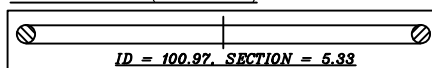
ID	MOUNTING O-RING	FLAPE O-RING
0	NIL	NBR
1	NBR	NBR
2	VITON	VITON
3	FVMQ	FVMQ

PROTECTION CLASS

ID	PROTECTION CLASS
0	NO PROTECTION
1	C4
2	C5M



'O' RING DETAIL (MOUNTING)



TYPE	BORE		DIMENSIONS						
	D	A	B	C	E	F	G	H	I
RV 080	Ø78	150	119	160	98.5 $\begin{smallmatrix} +0.3 \\ -0.2 \end{smallmatrix}$	112.5 $\begin{smallmatrix} +0.3 \\ -0.2 \end{smallmatrix}$	18	35	3.6

NOTE:- 1) Recommended bore size of flange=85mm. MIN.

MATERIAL LIST

PART NO.	QTY.	DESCRIPTION	MATERIAL
01.	1	FLANGE	EN10025-S355J2G3
02.	1	FLAP	ALUMINIUM ALLOY
03.	1	SPINDLE	MILD STEEL
04.	3	'O' RING	NBR / VITON / FVMQ
05.	1	LOCKING CAP	ALUMINIUM ALLOY
06.	2	'O' RING	NBR / VITON / FVMQ
07.	2	BOLT & WASHER	SS 304 / 316
08.	1	'O' RING FOR CAP	NBR / VITON / FVMQ
09.	1	'O' RING	NBR / VITON / FVMQ

VIAT INSTRUMENTS PVT. LTD. INDIA

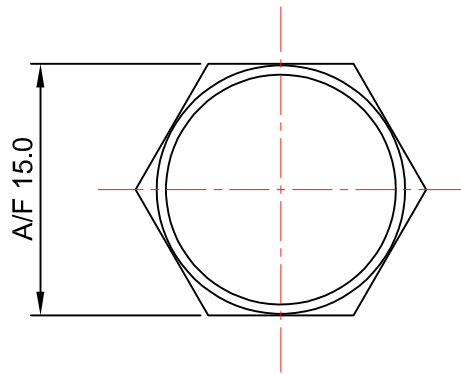
CLIENT :

FOR TEST SPECIFICATIONS CALL FOR TEST STANDARD OF THIS PRODUCT

NO.	DATE	DESCRIPTION	APPD.	DRN.	P.K.B	TITLE:	Revision Level	SH.
R4	17.06.23	GASKET TYPE ZERO ADDED	A.G	APPD.	A.G	RADIATOR BUTTERFLY VALVE WITH GROOVED FLANGE, BOLT ON TYPE FLAP WITH O-RING	4	1
R3	02.02.22	GROOVE DIM CHANGED	A.G	DATE	13.03.20		2	OF 1
R2	16.08.21	PAINT SHADE RAL 7032 ADDED	A.G	SCALE	N.T.S.			
R1	02.02.21	PAINT SHADE ADDED STEP DIMENSION ADDED	A.G			DRG. NO. : 213		
REVISIONS				Form No. : VIAT-QS:04:03:01 Rev. 0				

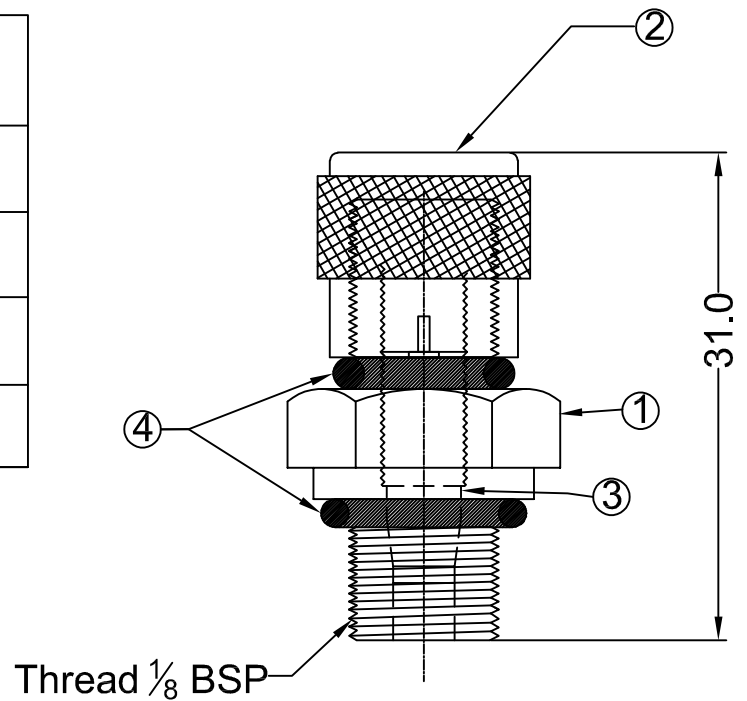
ALL PREVIOUS DRAWINGS OF 213 SERIES HAVE BEEN REPLACED BY RELEASE 2

DIMENSIONS ARE IN MILLIMETER(IN) AND FOR REFERENCE ONLY



PART LIST:-

SLNO	DETAILS	MATERIAL
1	BODY	BRASS
2	AIR VALVE CAP	BRASS
3	AIR VALVE	BRASS
4	O-RING	VITON



VIAT INSTRUMENTS PVT. LTD. INDIA			
CLIENT :		FOR TEST SPECIFICATIONS CALL FOR TEST STANDARD OF THIS PRODUCT	
DRN.	P.K.B	TITLE: <u>SCHRADER VALVE</u> MODEL- 319-2	
APPD.	A.GUPTA		
DATE	14.09.20		
SCALE	N.T.S.		
		DRG. NO. : 319.2	REVISION LEVEL 0 SH. 1 RELEASE 2 OF 1
REVISIONS		Form No. : VIAT-QS:04:03:01 Rev. 0 DIMENSIONS ARE IN MILLIMETER(IN) AND FOR REFERENCE ONLY	

ORDERING DATA

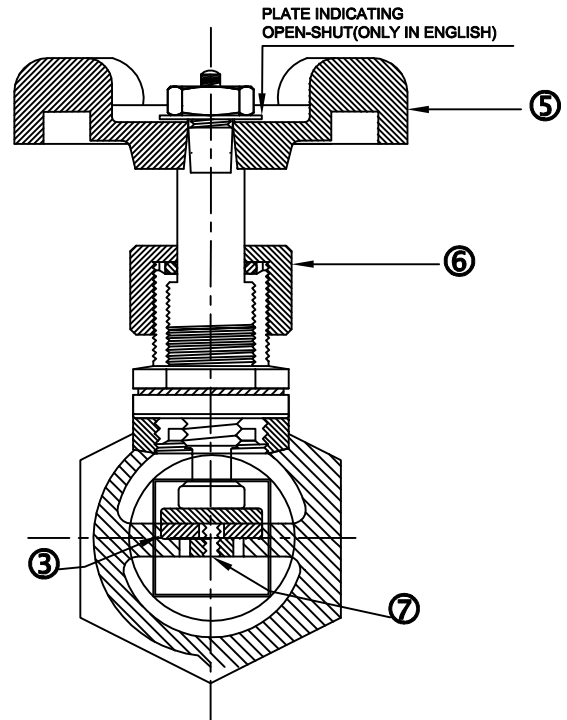
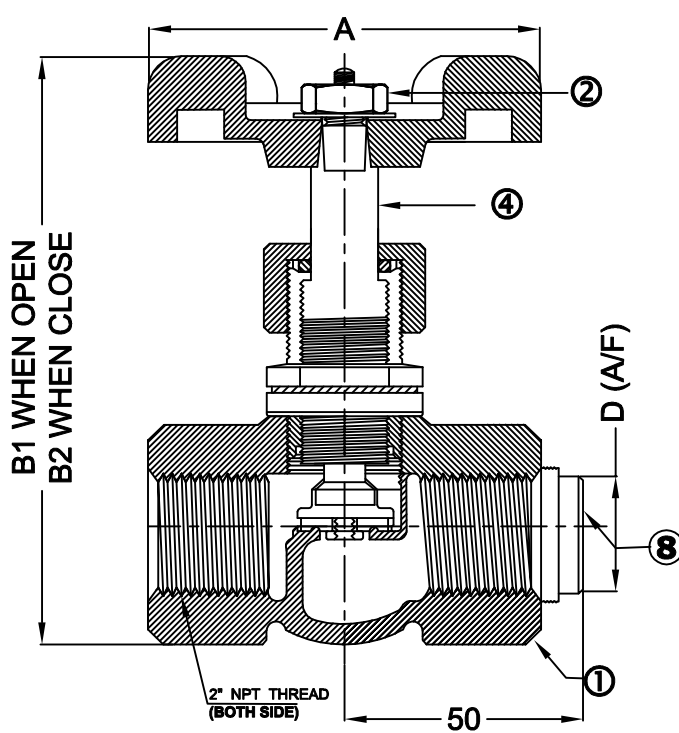
MODEL NO

1 7 X - X

THREAD
SIZE ID

PLUG OPTION

ID	PLUG OPTION
0	WITHOUT PLUG
1	WITH PLUG *



MATERIAL LIST

PART NO.	DESCRIPTION	MATERIAL & SPECIFICATIONS
1	VALVE BODY	BRASS FORGED
2	HANDLE NUT	BRASS HEX NUT,W/NO LOCTITE APPLIED
3	DISC	TEFLON
4	STEM	BRASS
5	HAND WHEEL	BRASS
6	STUFF NUT	BRASS NUT W/LOCTITE & TEFLON WASHER
7	DISC NUT	BRASS NUT W/LOCTITE
8	PLUG	BRASS

THREAD SIZE DETAILS

ID	SIZE	A	B1(MAX) OPEN	B2(MIN) CLOSE	C	D (A/F)
1	1" NPT	2.3	3.25	2.86	2.64	21
5	2" NPT	4.1	5.7	5.10	4.17	30
7	1/2" NPT	1.5	2.52	2.25	1.88	xxx

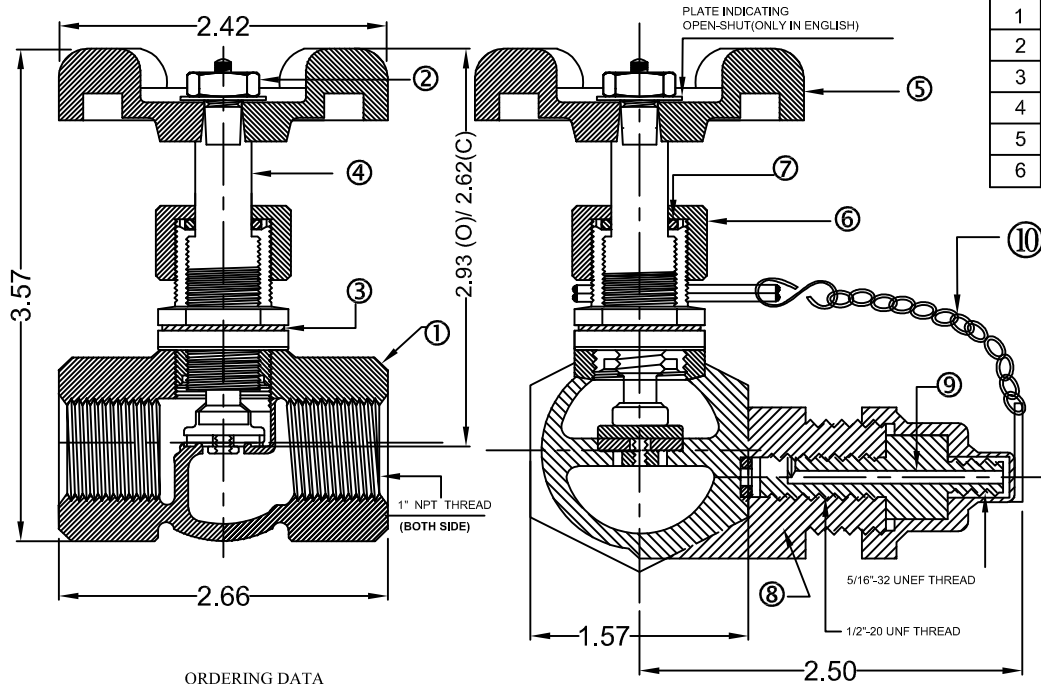
NOTE:

- * With plug option is provided with model no 171 / 5 only
- Plug option not available for 177

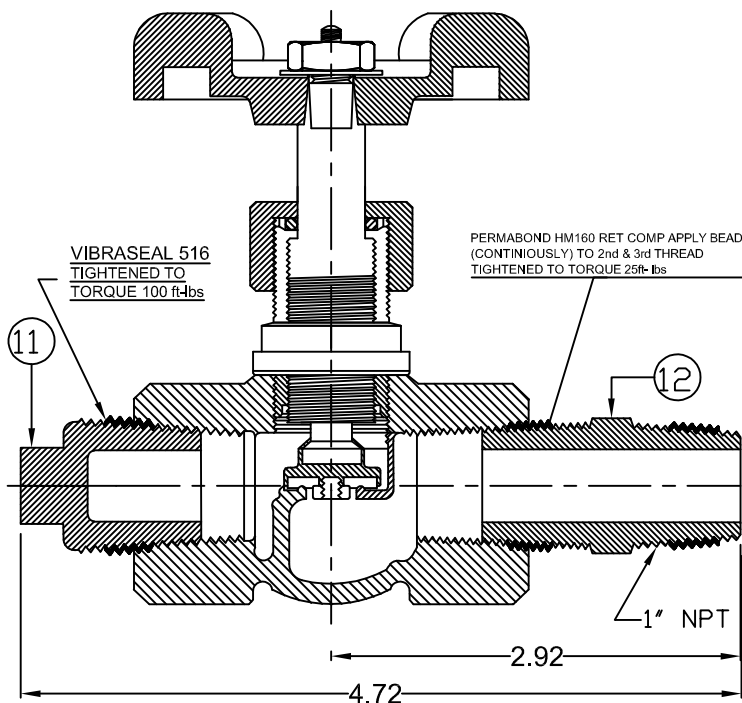
R3	15.11.22	MIN & MAX CORRECTED	A.G.	VIAT INSTRUMENTS PVT. LTD. INDIA		
R2	11.11.22	CLOSED POSITION DIMENSION ALTERED	A.G.	CLIENT :		
R1	09.11.22	OPTIONAL PLUG INCLUDED	A.G.	FOR TEST SPECIFICATIONS CALL FOR TEST STANDARD OF THIS PRODUCT		
NO.	DATE	DESCRIPTION	APPD.	DRN.	P.K.B	TITLE: DRAIN VALVE WITH OPTIONAL SAMPLER
				APPD.	A.G	
				DATE	07.07.20	
				SCALE	N.T.S.	ALL PREVIOUS DRAWING OF 174 HAVE BEEN REPLACED BY RELEASE 2
						DRG. NO. : 171/5/7
				Form No. : VIAT-QS-04:03:01 Rev. 0		Revision Level 3 SH. 1
				DIMENSIONS ARE IN MILLIMETER(IN) AND FOR REFERENCE ONLY		RELEASE 2 OF 1

MODEL NO				
1	7	3	-	X

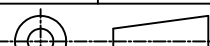
ID	DETAILS	FITMENT
0	NO PLUG	NA
1	PLUG ONLY	FITTED
2	PLUG ONLY	SEPARATE
3	PLUG WITH TEFLON	FITTED
4	PLUG WITH TEFLON	SEPARATE
5	PLUG WITH VIBRASEAL	FITTED
6	PLUG WITH VIBRASEAL	SEPARATE



MODEL NO		
1	7	6



PART NO.	DESCRIPTION	MATERIAL & SPECIFICATIONS
1	VALVE BODY	BRASS FORGED
2	HANDLE NUT	BRASS HEX NUT, W/LOCTITE 290 APPLIED
3	DISC	TEFLON
4	STEM	BRASS
5	HAND WHEEL	BRASS
6	STUFF NUT	BRASS NUT W/LOCTITE & TEFLON WASHER
7	DISC NUT	BRASS NUT W/LOCTITE
8	DRAIN FITTING	BRASS W/NBR "O" RING
9	¾ " SAMPLER	BRASS
10	CHAIN	BRASS LINK CHAIN
11	PIPE PLUG	BRASS 1" NPT
12	HEX NIPPLE	BRASS 1" NPT

				VIAT INSTRUMENTS PVT. LTD. INDIA						
				CLIENT :			FOR TEST SPECIFICATIONS CALL FOR TEST STANDARD OF THIS PRODUCT			
				DRN.	P.K.B	TITLE: <u>DRAIN VALVE 1"NPT WITH SAMPLER</u>				
				APPD.	A.G					
				DATE	07.07.20					
				SCALE	N.T.S.	ALL PREVIOUS DRAWING OF 173 HAVE BEEN REPLACED BY RELEASE 2				
						DRG. NO. : 173/6		Revision Level	0	SH. 1
								RELEASE	2	OF 1
REVISIONS				Form No. : VIAT-QS-04:03:01 Rev. 0		DIMENSIONS ARE IN MILLIMETER(IN) AND FOR REFERENCE ONLY				
NO.	DATE	DESCRIPTION	APPD.							

Investment Cast Ball Valve 3-Piece Design

Full Bore, ASA # 800 Design, Blow-out Proof Stem, SS 304/ 316 Internals, P.T.F.E. Seal and Seat, Ends Screwed to requirement

Size DIMENSIONAL DATA

mm	in	B	F	C	L	T
10	3/8	10	62	65	95	10.5
15	1/2	15	74	68	95	13.5
20	3/4	19	80	74	125	14.0
25	1	25	84	80	125	17.5
32	1-1/4	32	101	89	141	18.0
40	1-1/2	38	117	96	168	18.5
50	2	50	148	105	168	19.5

* Valves are available in various Alloys

** Lever can be provided of any material on request

Valves are available with End connection as per customer requirements

Valves are available with Socket Weld Ends



MATERIALS OF CONSTRUCTION

DESCRIPTION	MATERIAL
1. BODY *	ASTMA 351 GRADE CF 8M/CF 8
2. END CONNECTORS *	ASTMA 351 GRADE CF 8M/CF 8
3. BALL *	ASTMA 351 GRADE CF 8M/CF 8
4. STEM *	ASTMA 351 GRADE CF 8M/CF 8
5. BALL SEAL	P.T.F.E.
6. BODY SEAL	P.T.F.E.
7. STEM SEAL	P.T.F.E.
8. GLAND PACKING	P.T.F.E.
9. GLAND	STAINLESS STEEL GRADE AISI 304
(Packing Follower)	
10. BELLEVILLE SPRING	STAINLESS STEEL GRADE AISI 304
11. GLAND NUT	STAINLESS STEEL GRADE AISI 304
12. LEVER **	STAINLESS STEEL GRADE AISI 304
13. LEVER NUT	STAINLESS STEEL GRADE AISI 304
14. BODY STUDS AND NUTS	STAINLESS STEEL GRADE AISI 304

TEST PRESSURE

Hydrostatic
Body 64.0 Kg/cm²
Seat 47.0 Kg/cm²

Drawing no. : A-015

Investment Cast Ball Valve 1-Piece Design

Full Bore, Blow-out Proof Stem, SS 304 Internals, P.T.F.E. Seal and Seat, Ends Screwed to ISO 228

Size DIMENSIONAL DATA

mm	in	B	F	C	L
15	1/2	15	65	50	95
20	3/4	20	70	55	95
25	1	25	87	60	125

* Valves are available in various Alloys
** Lever can be provided of any material other than GI on request



MATERIALS OF CONSTRUCTION

DESCRIPTION	MATERIAL
1. BODY *	ASTMA 351 GRADE CF 8/CF8M
2. END PIECE *	ASTMA 351 GRADE CF 8/CF8M
3. BALL *	STAINLESS STEEL GRADE AISI 304/316
4. STEM *	STAINLESS STEEL GRADE AISI 304/316
5. BALL SEAL	P.T.F.E.
6. STEM SEAL	P.T.F.E.
7. GLAND PACKING	P.T.F.E.
8. GLAND	STAINLESS STEEL GRADE AISI 304
(Packing Follower)	
9. LEVER **	GALVANISED IRON
10. LEVER NUT	GALVANISED IRON

TEST PRESSURE

Hydrostatic
Body and Seat 300psi

Drawing no. : A-023

