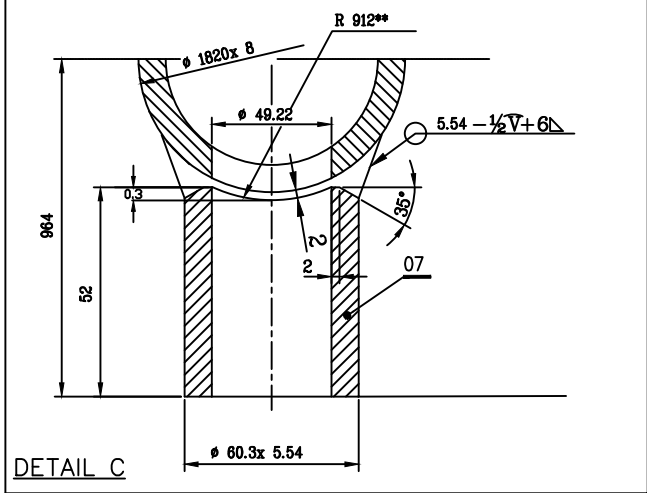


CAUTION THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

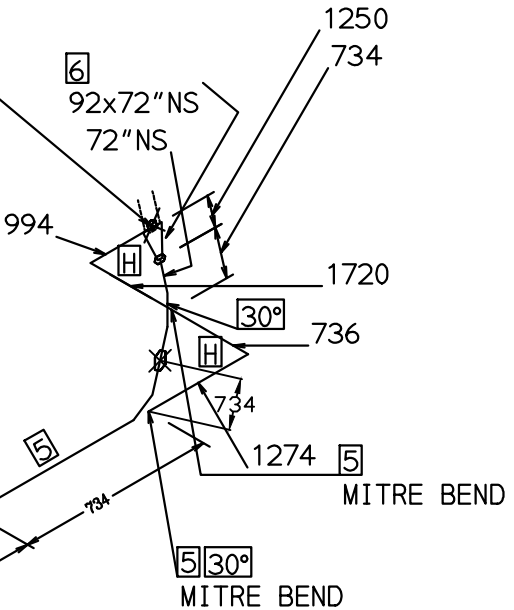
FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

2-80-655-15983
DRAWING No.

** BRANCH PIPE SHALL BE CUT TO SUIT THE OUTER SURFACE OF THE MAIN PIPE SUCH THAT A UNIFORM GAP OF 2mm IS MAINTAINED THROUGHOUT



CONN. TO
205-R-03/A1/92"/BW
EL +133450

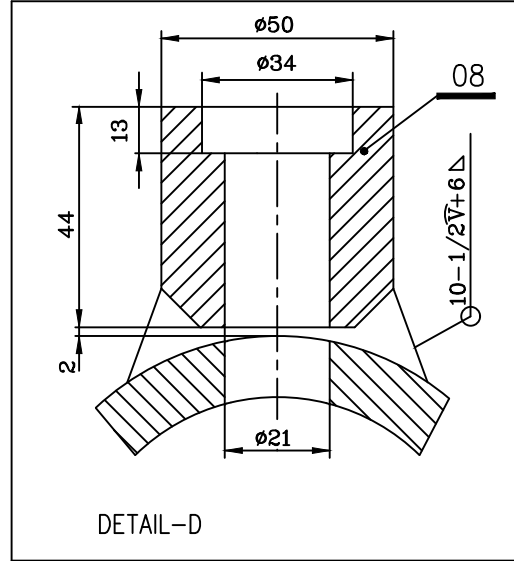


WEST TO UP 30°
72x1"NS
205-TE-2201

205-TE-2216

MATL
K22A

DETAIL-D



WEST TO UP 15°
72x1"NS
205-TE-2201

205-TE-2216

MATL
K22A

DETAIL-D

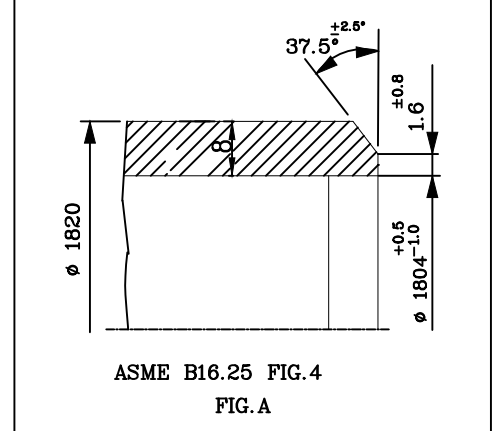
DUMMY IN ALL 4 DIRECTION
A886-205-16-43-SK-4008

DUMMY IN N-S DIRECTION
A886-205-16-43-SK-4008
205-CS-106A/B

GUIDE
A886-205-16-43-SK-4008

CONN. TO
205-R-02/B1/72"/BW
EL +115725

BELLOW
205-SB-024



NOTES: ALL DIMENSIONS ARE IN MILLIMETRES

- DESIGN PRESSURE - 0.2 KG/CM2 (G) DESIGN TEMPERATURE: 480°C
- FOR STANDARD NOTES OF PRODUCTION AND ERECTION OF PIPES AND TOLERANCE ON FITTINGS REFER DRG NO. 4-80-001-37654 & 4-80-301-26192
- FOLLOW APPLICABLE QP AND PAINTING SCHEDULE FOR THE PROJECT
- ALL UNMARKED BENDS/ELBOWS ARE 90 DEG
- PIPE ENDS SHALL BE BEVELLED AS PER B16.25 FIG.4
- GASKET IS SUPPLIED VIDE 7419-80-733 PGMA.
- FOR ELECTRODE DATA REFER

PIPE SIZE	MATERIAL SPEC	EP FIG	WELD SPEC	ELECTRODE DATA	
				ROOT RUN	FILLER RUN
OD1820x8	ASTM A 387 GR.11 CL.2	FIG-A	8 V	ER70S-B2L/ ER80S-B2	ER70S-B2L/ ER80S-B2/E7016 -B2L/E7018-B2L

- 01 8. 0 INDICATES WELD AT SHOP.
- 01 9. X INDICATES WELD AT SITE.

02	P121917Z00919ZZZZ	11	PIPE OD60.3X5.54 L=50	2-80-655-15983	---	SA335P11	C	0 370
02		10	PLUG B16.11 SCRM 3000# 1"	2-80-655-15983	---	ASTM A 182GrF11 CL2	C	0 430
02	WF60282ZL09ZZZZZZ	09	CAP B16.11 SCRF 3000# 2"	2-80-655-15983	---	ASTM A 182GrF11 CL2	C	0 644
	WK602D3Z006ZZZZZZ	08	B16.11 SW HALF COUPLING 1" CL 6000	4-80-655-83168	---	ASTM A 387 GR.11 CL2	C	0 1570
	PI24917Z00919ZZZZ	07	BRANCH PIPE OD60.3X5.54 L=52	2-80-655-15983	---	ASTM A 335 P11	C	0 1388
	WUMBX4Z2058714863	06	P.F RED OD2320X8/OD1820X8 L=1250	4-80-655-83180	---	ASTM A 387 GR.11 CL2	C	527 235
	WGMBY41Z0486304ZZ	05	30DEG MITRE BEND OD1820X8 R=2740	3-80-655-35540	---	ASTM A 387 GR.11 CL2	C	514 558
	WDMBX41Z0486305ZZ	04	90DEG MITRE BEND OD1820X8 R=2740	2-80-655-16054	15	ASTM A 387 GR.11 CL2	C	1574 681
	P18Y513Z04863ZZZZ	03	P.F PIPE OD1820X8 L=1110	3-80-655-35566	06	ASTM A 387 GR.11 CL2	C	396 638
	P18Y513Z04863ZZZZ	02	P.F PIPE OD1820X8 L=6985	3-80-655-35566	05	ASTM A 387 GR.11 CL2	C	249 964
	P18Y513Z04863ZZZZ	01	P.F PIPE OD1820X8 L=8000	3-80-655-35566	04	ASTM A 387 GR.11 CL2	C	2860 656
	ITEM CODE	ITEM NO.	DESCRIPTION	DRAWING NO.	ITEM NO. VAR	MATERIAL CODE	A	UNIT WT.
						MATERIAL SPEC.	C	QTY.

CUSTOMER INDIAN OIL CORPORATION LIMITED (HALDIA)

CONSULTANT ENGINEERS INDIA LIMITED (EIL) NEW DELHI

NAME OF PROJECT BS-VI, HALDIA

	BHARAT HEAVY ELECTRICALS LTD., PIPING CENTRE, CHENNAI 600 017		DRN	NAME M.P.K	SIGN -sd-	DATE 15.03.19	NO OF ITEMS
			CHD	TRINADHA RAO	-sd-	15.03.19	
			APPD	SESHAGIRI	-sd-	15.03.19	

DEPT. CODE	GRADE OF UN TOL. DIM C/M/F	SCALE	WEIGHT (Kg).	ITEM No.
---------------	----------------------------------	-------	--------------	-------------

TITLE 72-P-205-2102-K34D-IH-E	EIL DRAWING NO. U 01	CARD CODE 2-80-655-15983	DRAWING No. 02	REV
----------------------------------	-------------------------	--------------------------------	-------------------	-----