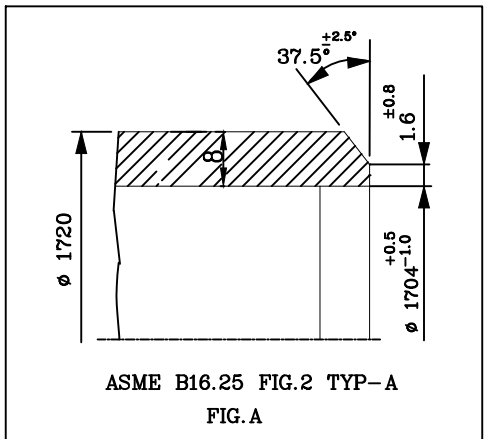
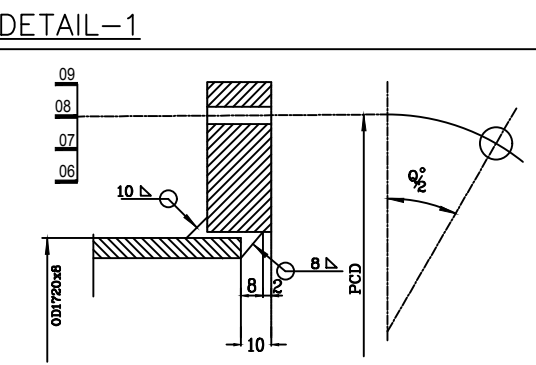
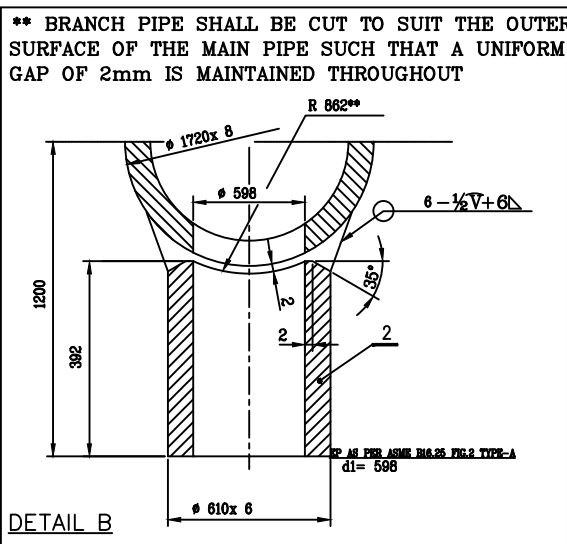
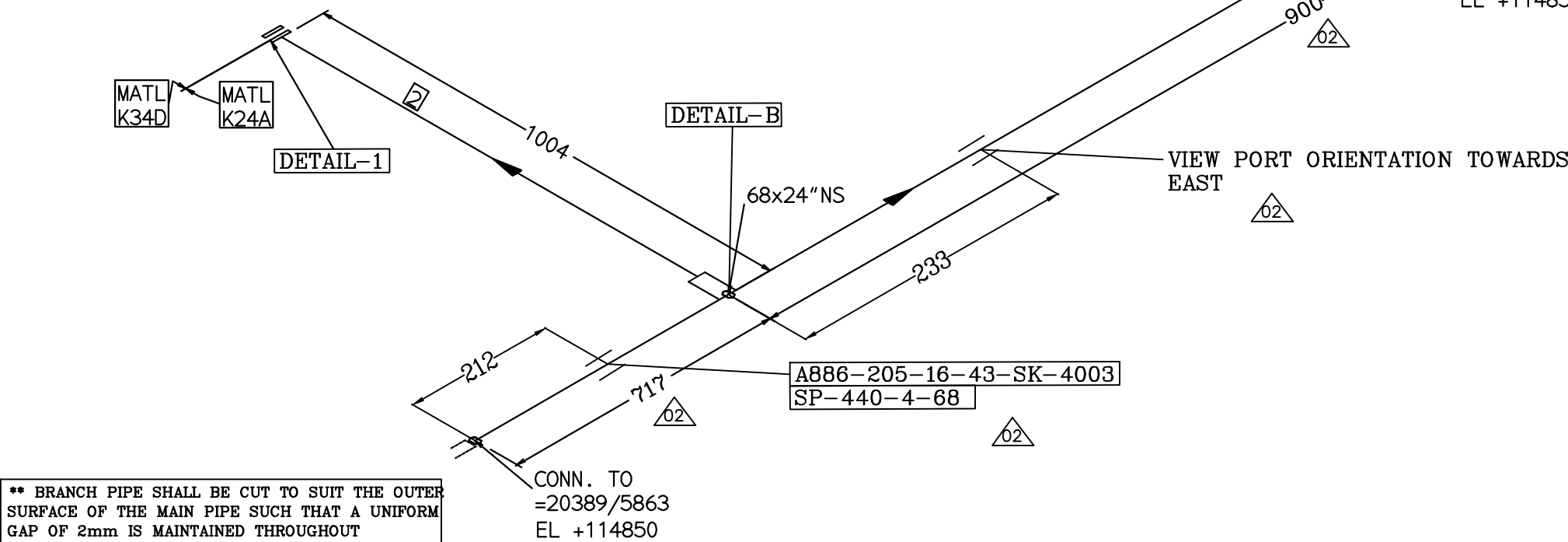
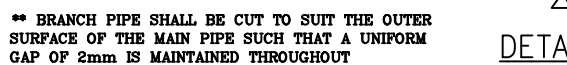


| PIPE SIZE | MATERIAL SPEC  | EP FIG | WELD SPEC  | ELECTRODE DATA          |                         |
|-----------|----------------|--------|------------|-------------------------|-------------------------|
|           |                |        |            | ROOT RUN                | FILLER RUN              |
| OD1720x8  | ASTMA516 GR.70 | FIG-A  | 8 $\nabla$ | ER70S-2/<br>E6010/E6013 | ER70S-2/<br>E7016/E7018 |

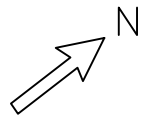
8. THREADS SHALL BE UNIFIED (UNC FOR UP TO 1" DIA) AS PER ASME B1.1 WITH CLASS 2A FIT FOR STUDS AND CLASS 2B FIT FOR NUTS.

9.  INDICATES WELD AT SHOP.

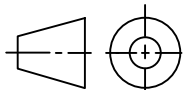
10.  INDICATES WELD AT SITE.



|           |                                                                            |                                                                                       |         |
|-----------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| REV<br>02 | DATE<br>30.05.19                                                           | ALTERED                                                                               | M.P.K   |
|           |                                                                            | APPROVED                                                                              | TRINADH |
| ZONE      | DRAWING REVISED AS PER LATEST EIL<br>DRAWING.<br>REVISION MARKED AS        |  |         |
|           |                                                                            |                                                                                       |         |
| REV<br>01 | DATE<br>29.04.19                                                           | ALTERED                                                                               | M.P.K   |
|           |                                                                            | APPROVED                                                                              | TRINADH |
| ZONE      | DRAWING REVISED AS PER MAIL FROM<br>EIL DT: 24.04.19<br>REVISION MARKED AS |  |         |
|           |                                                                            |                                                                                       |         |



|                    |          |                                                                                                                |                |                 |                  |   |              |          |
|--------------------|----------|----------------------------------------------------------------------------------------------------------------|----------------|-----------------|------------------|---|--------------|----------|
| FBF6321Z024ZZZZZ   | 10       | FLANGE.BLIND CL.150 FF/125AARH 24"                                                                             | 2-80-655-16009 | 04              | ASTM A 516 GR.70 | C | 43,985<br>1  |          |
| GKFDR22Z02402ZZZZ  | 09       | GASKET JOB STD EXPANDED PTFE<br>CORD 150# 7MM THK - 24"                                                        | 2-80-655-15967 |                 | ----             |   | -- --<br>1   |          |
| ---                | 08       | NUT 5/8" UNC                                                                                                   | 2-80-655-15967 |                 | ----             |   | 0 033<br>40  |          |
| ---                | 07       | STUD 5/8" UNC L=113                                                                                            | 2-80-655-15967 |                 | ----             |   | 0 224<br>20  |          |
| ---                | 06       | FLANGE.SO CL.150 FF/125AARH 24"                                                                                | 2-80-655-16008 | 04              | ASTM A 516 GR.70 | C | 27 781<br>1  |          |
|                    | 05       | PAD PLATE T=16MM; OD1500; ID918                                                                                | 2-80-655-15967 |                 | ----             | C | 555 007<br>1 |          |
| WUMB Y4ZZ046634463 | 04       | P.F CONC. REDUCER OD1720/<br>OD1620                                                                            | 4-80-655-83155 |                 | ----             | C | 84           | 435<br>1 |
| P18Y613Z03063ZZZZ  | 03       | P.F BRANCH PIPE OD914X8 L=464                                                                                  | 3-80-655-35538 | 05              | ASTM A 516 GR.70 | C | 82           | 933<br>1 |
| P18Y613Z02454ZZZZ  | 02       | P.F BRANCH PIPE OD610X6 L=392                                                                                  | 3-80-655-35531 | 02              | ASTM A 516 GR.70 | C | 35           | 032<br>1 |
| P18Y613Z04663ZZZZ  | 01       | P.F PIPE OD1720X8 L=2450  | 3-80-655-35502 | 02              | ASTM A 516 GR.70 | C | 827          | 471<br>1 |
| ITEM CODE          | ITEM NO. | DESCRIPTION                                                                                                    | DRAWING NO.    | ITEM NO.<br>VAR | MATERIAL CODE    | A | UNIT WT.     |          |
|                    |          |                                                                                                                |                |                 | MATERIAL SPEC.   | C | QTY.         |          |

|                                                                                       |                         |                                                                                       |       |                                            |               |                |                  |                     |  |
|---------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------|-------|--------------------------------------------|---------------|----------------|------------------|---------------------|--|
| CUSTOMER                                                                              |                         |                                                                                       |       | INDIAN OIL CORPORATION LIMITED (HALDIA)    |               |                |                  | BHEL                |  |
| CONSULTANT                                                                            |                         |                                                                                       |       | ENGINEERS INDIA LIMITED (EIL)<br>NEW DELHI |               |                |                  | CUSTOMER NO<br>7419 |  |
| NAME OF PROJECT                                                                       |                         |                                                                                       |       | BS-VI, HALDIA                              |               |                |                  |                     |  |
|  |                         | BHARAT HEAVY ELECTRICALS LTD.,<br>PIPING CENTRE,<br>CHENNAI 600 017                   |       | DRN                                        | NAME<br>M.P.K | SIGN<br>—sd—   | DATE<br>07.03.19 | NO OF<br>ITEMS      |  |
|                                                                                       |                         |                                                                                       |       | CHD                                        | TRINADH       | —sd—           | 07.03.19         |                     |  |
|                                                                                       |                         |                                                                                       |       | APPD                                       | C.SARAVANAN   | —sd—           | 07.03.19         |                     |  |
| DEPT.                                                                                 | GRADE OF<br>UN TOL. DIM |  | SCALE | WEIGHT (Kg).                               |               |                |                  | ITEM<br>No.         |  |
| CODE                                                                                  | C/M/F                   |                                                                                       |       |                                            |               |                |                  |                     |  |
| TITLE                                                                                 |                         |                                                                                       |       | EIL DRAWING NO:                            |               | DRAWING No.    |                  | REV                 |  |
| 68-P-205-2701-K24A-IH-E                                                               |                         |                                                                                       |       | CARD<br>CODE<br>U 01                       |               | 2-80-655-15967 |                  | 02                  |  |