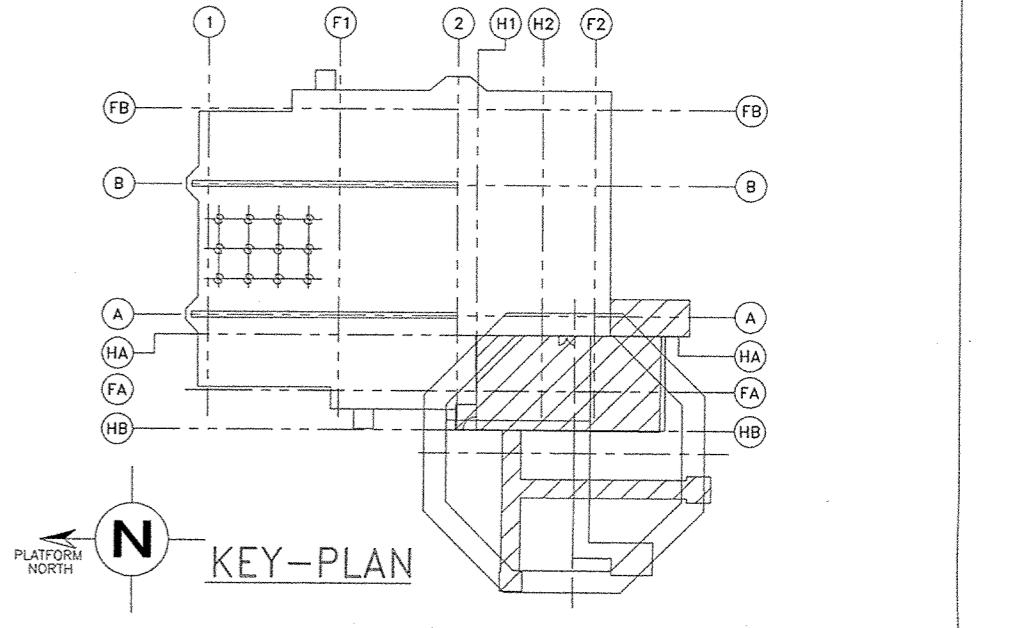
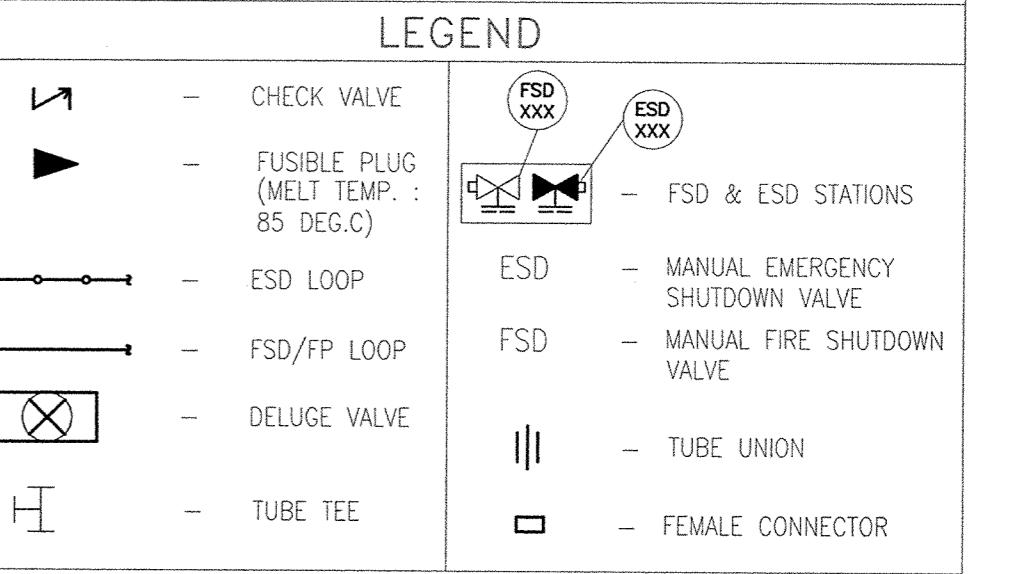
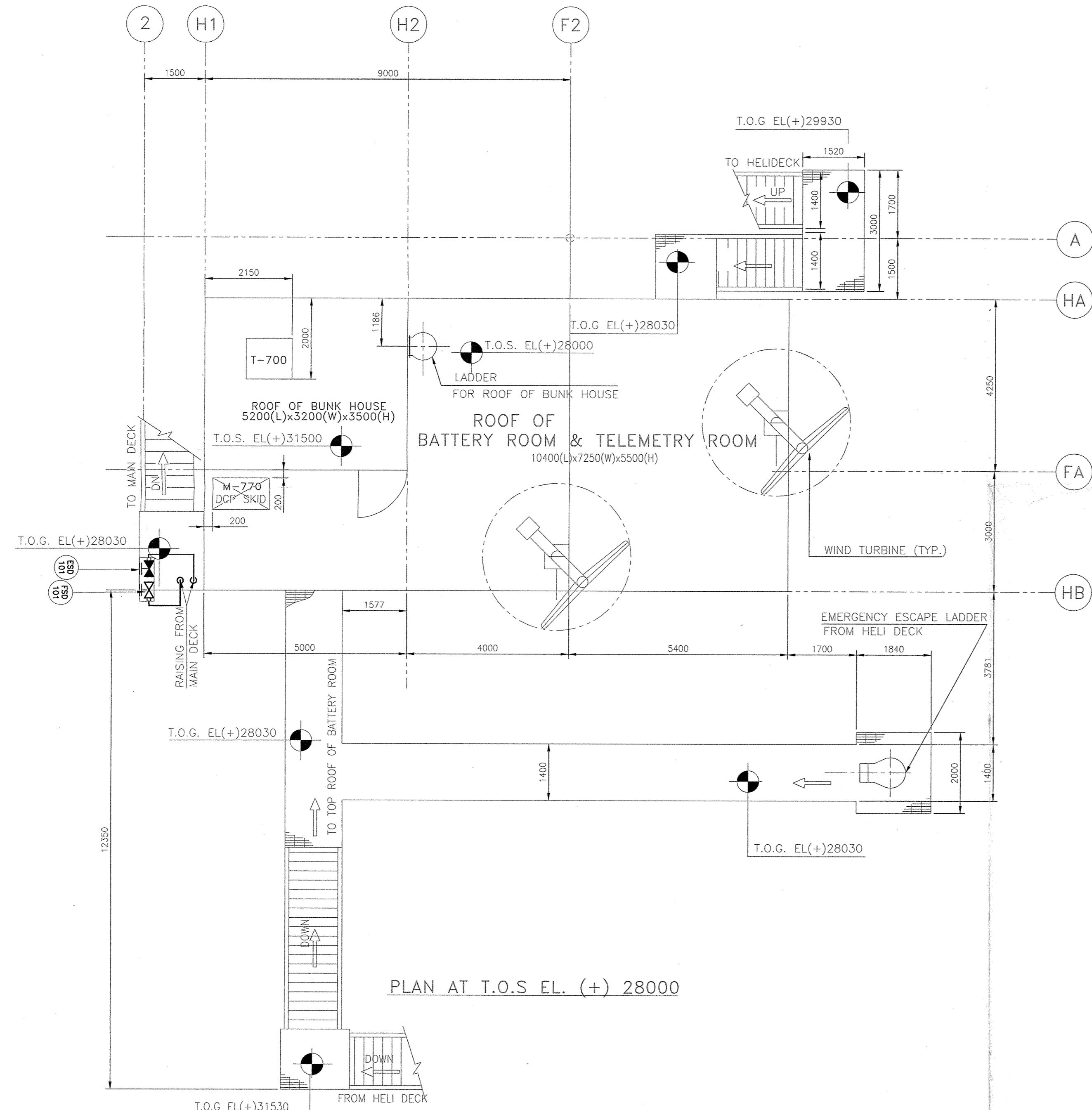


1. THE DIMENSIONS ARE IN MM, UNLESS OTHERWISE SPECIFIED.
2. FOR BILL OF MATERIALS, REFER INSTRUMENT INSTALLATION HOOK-UPS DRG NO. COWGD992-76-3-N14-3000.
3. ELEVATION OF FUSIBLE PLUG SHALL BE DECIDED AT SITE. IN GENERAL, FUSIBLE PLUGS FOR PROTECTION OF PIPING SHALL BE POSITIONED WITHIN 300mm FROM TOP OF FLANGE JOINTS AND FUSIBLE PLUGS FOR PROTECTION OF EQUIPMENTS SHALL BE POSITIONED WITHIN 500 ~ 1000mm FROM THE EQUIPMENT SURFACE.
4. ALL CHECK VALVES SHALL BE LOCATED NEAR BRANCH-OFF POINTS FROM MAIN ESD/FSD SIGNAL LINE.
5. TUBING RUNS FOR ESD & FSD VALVES/FP LOOP & ALSO TUBING RUNS WITHOUT FUSIBLE PLUGS SHALL BE PLACED IN 50mm TUBE TRAY WHICH IS FIELD ROUTED, AS FAR AS POSSIBLE UNDER STEEL STRUCTURES FOR PROTECTION OF TUBES AGAINST MECHANICAL DAMAGES & SHALL BE SUPPORTED AT EVERY 1.5M.
6. ELEVATION OF ESD/FSD VALVE SHALL BE APPROXIMATELY 1.4M ABOVE DECK LEVEL(DR NO. : N14-FSD-101-18, N14-ESD-101-23)
7. COLOUR OF ESD STATION 'SIGN' PLATE SHALL BE BLACK WITH WHITE ENGRAVING. ESD VALVE HANDLE SHALL BE BLACK.
8. COLOUR OF FSD STATION 'SIGN' PLATE SHALL BE RED WITH WHITE ENGRAVING. FSD VALVE HANDLE SHALL BE RED.
9. THE FUSIBLE PLUG INSTALLATION IS AS PER API RP-14C.

PLATFOM NORTH /  
PREVAILING WIND  
DIRECTION  
**N**

ESD STATIONS	FSD STATIONS	FUSIBLE PLUGS
1 No.	1 No.	-

EQUIPMENT LIST		
EQ. TAG	EQUIPMENT	DIMENSIONS
T-700	POTABLE WATER TANK	1134(L) X 1000(B) X 1000(H)



REFERENCE DRAWINGS/DOCUMENTS			
S.No	DRG/DOC. No.	Rev. No.	TITLE
01	COWGD992-74-1-N14-1004	C1	EQUIPMENT LAYOUT FOR - N14 PLATFORM ABOVE MAIN DECK EL (+) 28000
02	COWGD992-51-1-N14-2005 TO 2021	0	PIPING & INSTRUMENTATION DIAGRAM N14-PLATFORM.
03	COWGD992-76-3-N14-3000	C1	INSTRUMENT INSTALLATION HOOK-UPS N14 PLATFORM

APPROVED			
LTV	L&T	ONGC-OD	ONGC-OW
C1	ISSUED FOR CLIENT'S COMMENTS	DRN NKS MKD JR	25.05.10
REV	DESCRIPTION	DRN CHKD APPD PM	DATE

OWNER  
 OIL & NATURAL GAS CORPORATION LTD.  
INDIA

EPC CONTRACTOR  
 LARSEN & TOUBRO LIMITED  
E&C UPSTREAM, MUMBAI

ENGINEERING CONSULTANT  
 L&T - Valdel Engineering Limited  
19, Primrose Road, Bangalore-560 025  
INDIA

PROJECT:04 WELL PLATFORMS FOR MHN RE-DEVELOPMENT PROJECT  
TITLE:  
ESD/FSD, FP LOOP LAYOUT FOR MAIN DECK  
NEAR BUNK HOUSE - N14

SCALE: NTS TOTAL NO. OF SHTS.: 1 OF 1  
DRAWING NUMBER COWGD992-76-1-N14-1502 REV. C1

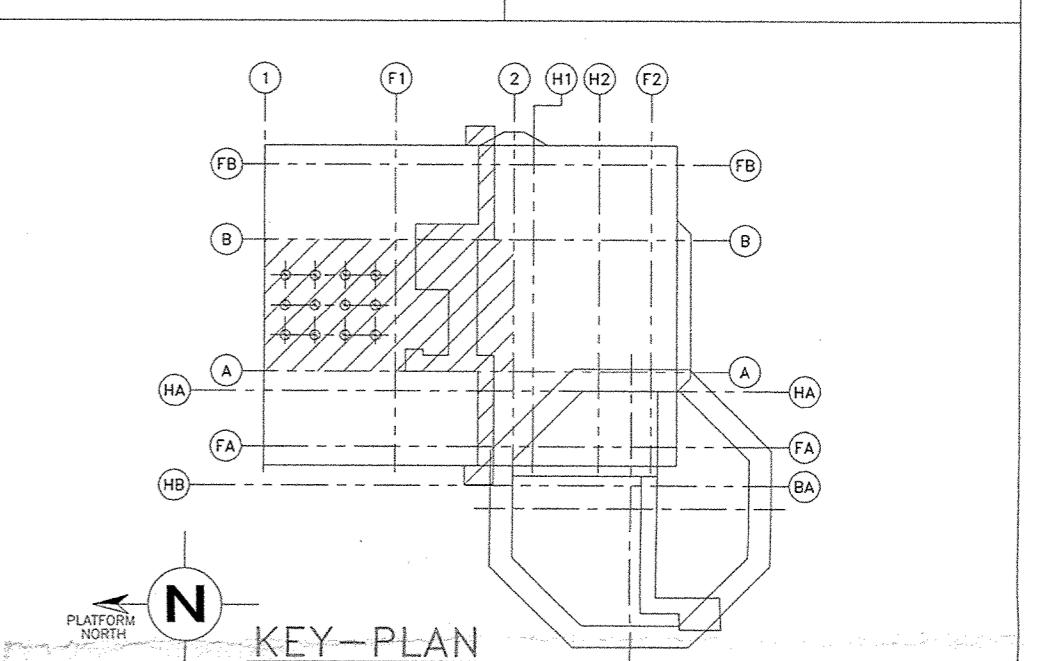
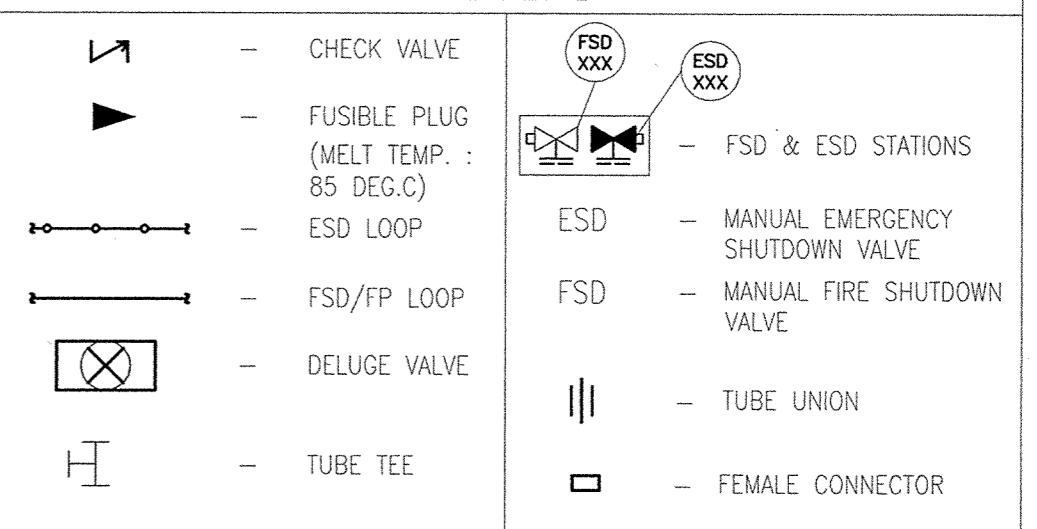
LTV D.C. COPY  
DATE 26/05/10



NOTES

1. THE DIMENSIONS ARE IN MM, UNLESS OTHERWISE SPECIFIED.
2. FOR BILL OF MATERIALS, REFER INSTRUMENT INSTALLATION HOOK-UPS DRG NO. COWGD992-76-3-N14-3000.
3. ELEVATION OF FUSIBLE PLUG SHALL BE DECIDED AT SITE. IN GENERAL, FUSIBLE PLUGS FOR PROTECTION OF PIPING SHALL BE POSITIONED WITHIN 300mm FROM TOP OF FLANGE JOINTS AND FUSIBLE PLUGS FOR PROTECTION OF EQUIPMENTS SHALL BE POSITIONED WITHIN 500 ~ 1000mm FROM THE EQUIPMENT SURFACE.
4. ALL CHECK VALVES SHALL BE LOCATED NEAR BRANCH-OFF POINTS FROM MAIN ESD/FSD SIGNAL LINE.
5. TUBING RUNS FOR ESD & FSD VALVES/FP LOOP & ALSO TUBING RUNS WITHOUT FUSIBLE PLUGS SHALL BE PLACED IN 50mm TUBE TRAY WHICH IS FIELD ROUTED, AS FAR AS POSSIBLE UNDER STEEL STRUCTURES FOR PROTECTION OF TUBES AGAINST MECHANICAL DAMAGES & SHALL BE SUPPORTED AT EVERY 1.5M.
6. ELEVATION OF ESD/FSD VALVES SHALL BE APPROXIMATELY 1.4M ABOVE DECK LEVEL. (NOTE NO : N14-FSD-104-18, N14-FSD-109-18, N14-ESP-104-23, N14-ESP-109-23)
7. COLOUR OF ESD STATION 'SIGN' PLATE SHALL BE BLACK WITH WHITE ENGRAVING. ESD VALVE HANDLE SHALL BE BLACK.
8. COLOUR OF FSD STATION 'SIGN' PLATE SHALL BE RED WITH WHITE ENGRAVING. FSD VALVE HANDLE SHALL BE RED.
9. THE FUSIBLE PLUG INSTALLATION IS AS PER API RP-14C.

LEGEND



REFERENCE DRAWINGS/DOCUMENTS

S.No	DRG/DOC. No.	Rev. No.	TITLE
01	COWGD992-74-1-N14-1001	0	EQUIPMENT LAYOUT FOR - N14 PLATFORM SUB CELLAR DECK & JACKET LEVEL
02	COWGD992-51-1-N14-2005 TO 2021	0	PIPING & INSTRUMENTATION DIAGRAM N14-PLATFORM.
03	COWGD992-76-3-N14-3000	C1	INSTRUMENT INSTALLATION HOOK-UPS N14 PLATFORM

APPROVED

LTV	L&T	ONGC-OD	ONCC-OW
C1	ISSUED FOR CLIENT'S COMMENTS	SLR NKS MKD JR	25.05.10

OWNER

OIL & NATURAL GAS CORPORATION LTD.  
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LARSEN & TOUBRO LIMITED  
E&C UPSTREAM, MUMBAI

ENGINEERING CONSULTANT

VALDEL  
L&T-Valdel Engineering Limited  
19, Primrose Road, Bangalore-560 025  
INDIA

LTV D.C. COPY

DATE : 26/5/10

PROJECT: 04 WELL PLATFORMS FOR MHN RE-DEVELOPMENT PROJECT  
TITLE: ESD/FSD, FP LOOP LAYOUT FOR  
INTERMEDIATE & BOAT LANDING - N14

SCALE: NTS TOTAL NO. OF SHTS.: 1 OF 1

DRAWING NUMBER COWGD992-76-1-N14-1504 REV. C1