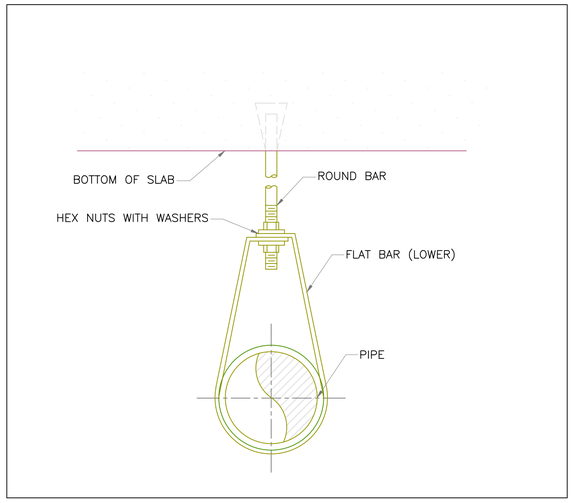
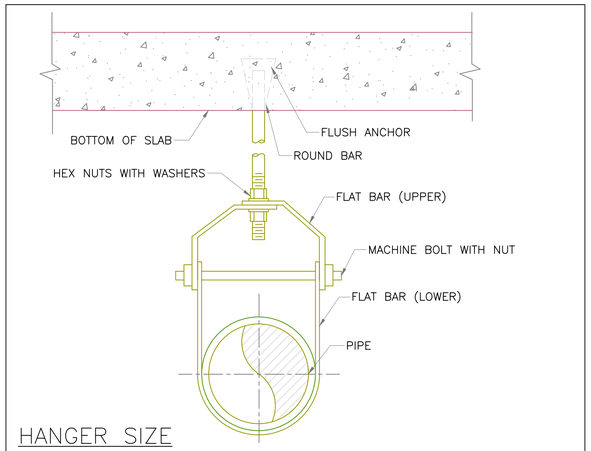


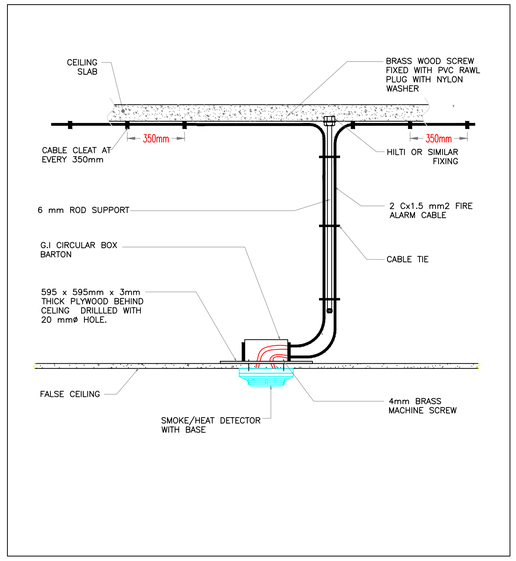
1 ADJUSTABLE TYPE FLAT IRON HANGER DETAIL
SCALE: NTS



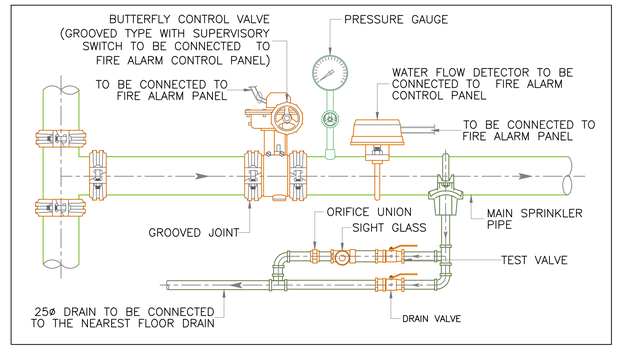
HANGER SIZE

PIPE SIZE	STEEL FLAT BAR		ROD DIAMETER	MACHINE BOLT W / NUT (DIA. X L)
	LOWER (THK. X W)	UPPER (THK. X W)		
50 mm	3.2 mm X 25 mm	4.8 mm X 25 mm	10 mm	9.5 mmø X 100 L
65 mm	3.2 mm X 25 mm	4.8 mm X 25 mm	10 mm	9.5 mmø X 115 L
80 mm	3.2 mm X 25 mm	4.8 mm X 25 mm	10 mm	9.5 mmø X 127 L
100 mm	3.2 mm X 25 mm	4.8 mm X 25 mm	10 mm	12.0 mmø X 165 L
150 mm	4.8 mm X 25 mm	6.4 mm X 32 mm	12 mm	12.0 mmø X 216 L
200 mm	4.8 mm X 25 mm	4.8 mm X 25 mm	12 mm	16.0 mmø X 279 L

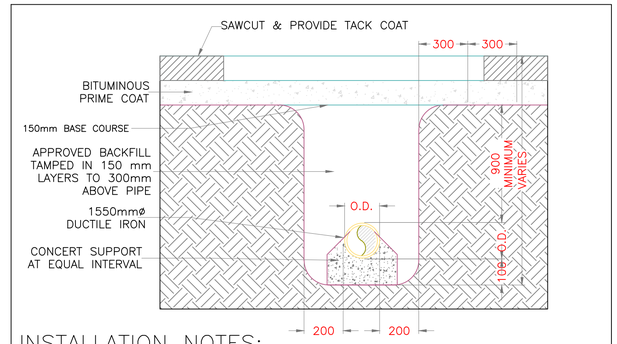
4 ADJUSTABLE TYPE CLEVIS HANGER DETAIL–2
SCALE: NTS



TYPICAL INSTALLATION DETAIL FOR SMOKE/HEAT DETECTOR MOUNTED ON CEILING SLAB & BELOW FALSE CEILING
8 SCALE: NTS



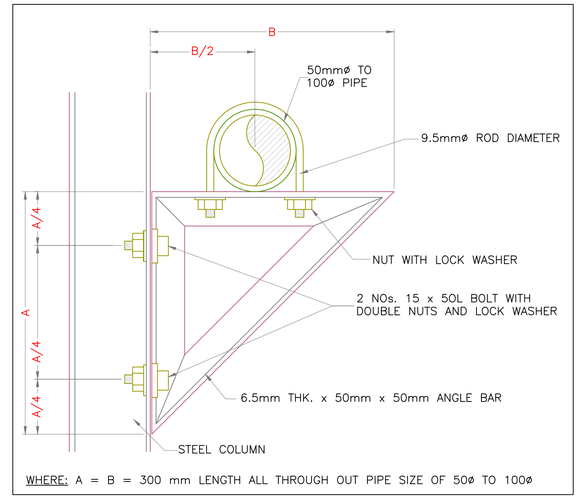
9 ZONE CONTROL VALVE ASSEMBLY TYPICAL DETAILS
SCALE: NTS



INSTALLATION NOTES:

1. UNDERGROUND PIPES SHALL BE HYDRO TESTED BEFORE FILLING UP THE TRENCH. HYDRO TEST TO A MINIMUM OF 200 PSI FOR TWENTY FOUR (24) HOURS WITHOUT ANY SIGN OF LEAKAGE.
2. TRENCH BOTTOM (PIPE BED) SHALL BE LEVELED OFF OR FILLED WITH WELL–TAMPED SOIL OR SAND.
3. THE TRENCH SHALL CONTACT THE PIPE BARREL FOR ITS ENTIRE LENGTH.
4. FILLING–IN THE TRENCH SHOULD BE COMPLETED IN SUCCESSIVE LAYERS ABOUT 300mm (12") THK., EACH BEING CONSOLIDATED BY BY RAMMING AND IF POSSIBLE, BY COPIOUS WATERING.
5. NO EMPTY SPACES SHALL BE LEFT UNDERNEATH OR ALONGSIDE THE PIPES.
6. CAP OR BLIND FLANGE SHALL BE PROVIDED AT END SECTION OF UNFINISHED PIPE WORK.

10 UNDERGROUND PIPE UNDER PAVEMENT DETAIL
SCALE: NTS

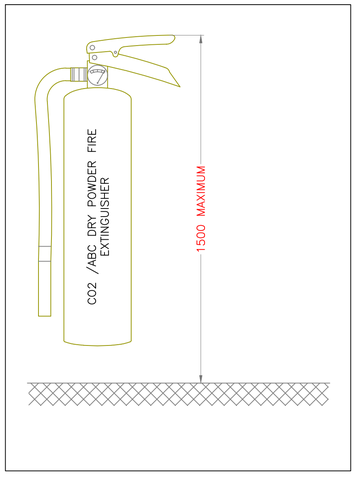


WHERE: A = B = 300 mm LENGTH ALL THROUGH OUT PIPE SIZE OF 50ø TO 100ø

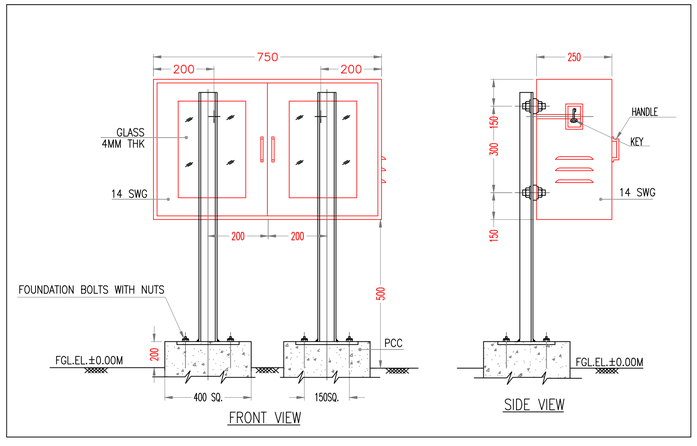
2 WALL PIPE HANGER DETAIL
SCALE: NTS

5 FIRE ALARM CONTROL VALVE TYPICAL DETAIL
SCALE: NTS

8 TYPICAL INSTALLATION DETAILS OF MANUAL CALL POINT
SCALE: NTS



FIRE EXTINGUISHER TYPICAL INSTALLATION DETAIL
3 SCALE: NTS



6 TYPICAL DETAIL OF EXTERNAL HOSE BOX
SCALE: NTS

R0	25-06-2024	ISSUED FOR TENDER	BHAVIK P.
REV. NO.	DATE	DESCRIPTION	SIGNATURE

REVISION

PROJECT
CONSTRUCTION OF ADMINISTRATIVE OFFICE BUILDING IN PLACE OF P& C BUILDING OUTSIDE CARGO JETTY AREA AT KANDLA, DEENDAYAL PORT AUTHORITY

TITLE
TYPICAL INSTALLATION DETAIL FOR FIRE PROTECTION SYSTEM

GEO DESIGNS & RESEARCH (P) LTD.

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APPROVED BY
PARIN SHAH, P.Eng. (India)

DEPARTMENT	MEP (DESIGN)	DOC. STATUS	FOR TENDER
DGN.	BHAVIK P.		
DRN.	URVISH T.	PROJECT NO.	GDBU23005
CHD.	BHAVIK P.	DRAWING NO.	SHEET NO. / REV.
SCALE	AS SHOWN	GDBU23005-MEP-03	02 OF 08 / R0
ISSUE DATE	25-06-2024		
REF. DRG. NO.			SHT. NO.
DATE		**DEENDAYAL PORT AUTHORITY** PROJECT DIVISION	

JE (E)	AXEN (E)	XEN(EN)