



SL No	SYMBOL	DESCRIPTION	QUANTITY
1		POWER CABLE (20x2.5 SQ.MM)	150 Mts.
2		LOOP CABLE (20x2.5 SQ.MM)	250 Mts.
3		HOOTER	04 No's
4		CONTROL MODULE	04 No's
5		EXIT SIGN BOARD	03 No's
6		MANUAL CALL POINT	03 No's
7		MULTISENSOR DETECTOR	51 No's

NOTES:—

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. ALL DETECTORS ARE LOOPED AS PER IS: 2189.
3. INDICATED CABLE QUANTITY IS APPROXIMATE AND MAY VARY AS PER EXACT ERECTION IN CONSULTATION WITH ENGINEER-IN-CHARGE.
4. LOCATION OF DETECTORS, HOOTERS, MODULES ETC. ARE INDICATIVE ONLY AND THE EXACT LOCATION SHALL BE FINALIZED AT SITE IN CONSULTATION WITH ENGINEER-IN-CHARGE.
5. EXACT ROUTING OF CABLING WILL BE DONE AT SITE TO SUITE SITE CONDITIONS.
6. THE DETECTORS/DEVICES WIRING SHALL BE OF STYLE-7 AS PER NFPA-72 WITH LOOP/SHORT CIRCUIT ISOLATION.
7. WHEREVER BEAM DEPTHS EXCEED 450MM AND CENTRE TO CENTRE OF BEAM EXCEEDS 2500MM, SEPARATE DETECTOR SHALL BE PROVIDED FOR EACH POCKET AS PER IAC/IS:2189 GUIDELINES.
8. DISTANCE BETWEEN MCPs SHALL BE AS PER IAC/NFPA-72.
9. CABLE SHALL BE LAID DIRECTLY ON THE CEILING/WALL SUPPLIED BY SADDLE FOR EVERY 750MM.
10. DETECTORS SHALL BE PLACED 1500MM AWAY FROM SUPPLY DIFFUSER AND 250MM AWAY FROM LIGHT FITTING FIXTURES AS PER IAC/IS:2189 GUIDELINES.

REFERENCE DRAWINGS:—

1. PLOT PLAN – PE-DG-405-100-M001
2. ESP CONTROL BUILDING ARCHITECTURAL PLANS – PE-DG-405-619-C001
3. SCHEMATIC DIAGRAM OF FIRE DETECTION & ALARM SYSTEM – 0-38316-00012

DETECTOR ALLOCATION CHART								
ESP CONTROL BUILDING (EL. 0.0 M)								
DESIGN CODE: TAC/NFPA 72		DIMENSIONS	NTPC DESIGN COVERAGE (25 M2)	SPACING OF DETECTORS		QUANTITY		
Sl. No.	DESCRIPTION	(L x W x H) M	AREA (M2)	STANDARD AS PER NFPA (M2)	ACTUAL COVERAGE AS PER DESIGN (M2)	MSD	MCP	HOOTER CUM STROBE
1	Cable Vault - 1	31 x 10.4 x 3.5	322.4	81	20.7	21	1	2
2	Cable Vault - 2	21 x 25 x 3.5	525	81	20.7	30	2	2

INVENTORY NO	SIGN. AND DATE	REF. DRG. NO.	COMPUTER FILE NAME 13831600052-S00-R00	THE NOT
GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261				

DESIGN CODE: TAC/NFPA 72			DIMENSIONS		COVERAGE (25 M2)		SPACING OF DETECTORS		QUANTITY			
Sl. No.	DESCRIPTION		(L x W x H) M		AREA (M2)	STANDARD AS PER NFPA (M2)	ACTUAL COVERAGE AS PER DESIGN (M2)	MSD	MCP	HOOTER CUM STROBE		
1	Cable Vault - 1		31 x 10.4 x 3.5		322.4	81	20.7	21	1	2		
2	Cable Vault - 2		21 x 25 x 3.5		525	81	20.7	30	2	2		

DETECTOR MOUNTING BOX (MS/ABS BODY)

CEILING

SINGLE COMPRESSION CABLE CLAMP

DETECTOR

CONTROL CABLE WITH BASE

TO NEXT DETECTOR

TRUE CEILING

FROM PREVIOUS DEVICE

TRUE CEILING

DETECTOR

CABLE(TYP)

TO NEXT DEVICE

FALSE CEILING

DETECTOR

RESPONSE INDICATOR

FALSE CEILING

HOOTER

2000

FTL

HOOTER

CABLE

2000

WALL

FTL

MCP

1400

FTL

MANUAL CALL P.

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