

CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY (PSA) OFFICE BUILDING WITH COVERED ROOF DECK

PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY

DETAILED ARCHITECTURAL AND ENGINEERING DESIGN (DAED)

FIRE PROTECTION

NOTE:

PURSUANT TO SECTION 4 OF ANNEX "A"OF THE
REVISED IMPLEMENTING RULES AND REGULATION OF
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THE DESIGN CONSULTANT SHALL BE HELD RESPONSIBLE FOR THE FAILURE OF THE FACILITY/IES / STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF

NINGS AND SPECIFICATIONS DULY SIGNED, STAMPED SEALED, AS INSTRUMENTS OF SERVICE ARE SEALED, AS INSTRUMENTS OF SERVICE ARE FERTY AND DOCUMENTS OF THE ARCHITECT, THER THE GUBLECT FOR WHIGH THEY ARE MADE IS JUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY SON, WITHOUT THE WRITEN CONSENT OF THE HITCET OR AUTHOR OF SAID DOCUMENTS, TO LOCATE OR TO MAKE COPIES OF SAID DOCUMENTS USE IN THE REPETITION OF AND FOR OTHER JUCEST OR BUILDINGS, WHETHER SECULTED PARTLY

DRAWING INDEX SHEET NO. SHEET CONTENTS DRAWING INDEX, GENERAL NOTES, MATERIAL FP-01 SPECIFICATIONS, LEGENDS, SYMBOLS AND ABBREVIATIONS MISCELLANEOUS DETAILS FP-02 BASEMNET FLOOR REFLECTED CEILING AFSS LAYOUT FP-03 GROUND FLOOR REFLECTED CEILING AFSS LAYOUT SECOND FLOOR REFLECTED CEILING AFSS LAYOUT FP-04 THIRD FLOOR REFLECTED CEILING AFSS LAYOUT FP-05 FP-06 FOURTH FLOOR REFLECTED CEILING AFSS LAYOUT FIFTH FLOOR REFLECTED CEILING AFSS LAYOUT FP-07 6TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-08 FP-09 7TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-10 8TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-11 9TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-12 10TH FLOOR REFLECTED CEILING AFSS LAYOUT 11TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-13 12TH FLOOR REFLECTED CEILING AFSS LAYOUT 14TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-14 15TH FLOOR REFLECTED CEILING AFSS LAYOUT 16TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-15 17TH FLOOR REFLECTED CEILING AFSS LAYOUT 18TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-16 19TH FLOOR REFLECTED CEILING AFSS LAYOUT 20TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-17 21ST FLOOR REFLECTED CEILING AFSS LAYOUT 22ND FLOOR REFLECTED CEILING AFSS LAYOUT FP-18 23RD FLOOR REFLECTED CEILING AFSS LAYOUT 24TH FLOOR REFLECTED CEILING AFSS LAYOUT FP-19 ROOF DECK AFSS LAYOUT EXISTING SCHEMATIC RISER DIAGRAM OF AUTO FIRE SUPPRESSION SYSTEM FP-20

MATERIAL SPECIFICATIONS:

FIRE LINES

FIRE LINES SHALL BE BLACK IRON (B.I.) PIPES SCHEDULE 40 STANDARD CONFORMING TO ASTM A53, SEAMLESS, "SUPREME PIPES", BRAND OR APPROVED EQUAL.

GATE VALVES

YOKE (OS & Y) TO ASTM B-62 CHECK AND GLOBE VALVES TO ASTM B-62. UL LISTED AND FM APPROVED.

GATE VALVES SHALL BE OUTSIDE SCREW AND

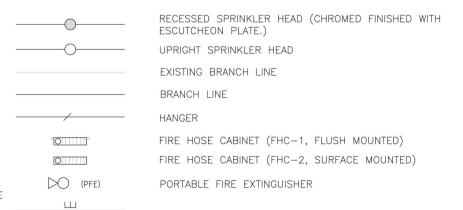
SPRINKLER HEADS ALL SPRINKLER HEADS (CONCEALED, UPRIGHT, & SIDEWALL) SHALL BE RATED 74°C (165°F) EXEPT ON KITCHEN SHALL BE 100°C (212°F). UL LISTED AND FM APPROVED.

> ALL SPRINKLER HEADS LOCATED IN RESIDENTIAL FLOORS SHALL BE RESIDENTIAL TYPE OR QUICK RESPONSE

GENERAL NOTES:

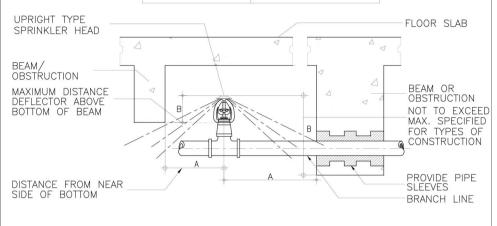
- 1. INSTALLATION OF FIRE SPRINKLER SYSTEM SHALL CONFORM TO NFPA-13
- 2. COORDINATE WITH OTHER WORKS, INCLUDING PLUMBING PIPING, AS NECESSARY TO INTERFACE COMPONENTS OF FIRE PROTECTION PIPING PROPERLY WITH OTHER WORKS
- 3. SPRINKLER IN THE INTERMEDIATE TEMPERATURE ZONE SHALL BE OF THE INTERMEDIATE CLASSIFICATION.
- 4. FLOOR DRAINS FOR OIL SPILLS SHALL BE PROVIDED IN FLOOR OF TRANSFORMER VAULT, BY PLUMBING CONTRACTOR.
- 5. SPRINKLERS SHALL NOT SPACED LESS THAN SIX (6) FEET (1.8 M.) ON CENTER.
- 6. PROVIDE 10 LBS. HALOTRON PORTABLE FIRE EXTINGUISHERS TO ALL ELECTRICAL ROOMS AND TO OTHER ROOMS OF THE SAME USAGE.
- 7. ALL PIPES SHALL BE PROVIDED WITH PIPE SLEEVE THROUGH BEAMS. WALLS & FLOORS.
- 8. PROVIDE AT LEAST ONE (1) HANGER BETWEEN EACH TWO (2) BRANCHLINES.
- 9. LATERAL AND LONGITUDINAL SWAY BRACES SPACED AT MAXIMUM INTERVALS OF 12.2 M. & 24 M. RESPECTIVELY, ON CENTER SHALL BE PROVIDED FOR ALL PIPE LINES WITH DIAMETER OF 65 MM AND LARGER.
- 10. PROVIDE FLANGE CONNECTION AT MAXIMUM INTERVAL OF 12 METERS.
- 11. ALL PORTABLE FIRE EXTINGUISHER (PFE) INSIDE FIRE HOSE CABINETS (FHC-1) SHALL BE "ABC" TYPE DRY CHEM. UNLESS OTHERWISE SPECIFIED.
- 12. PROVIDE 50 LBS WHEELED TYPE CO2 PORTABLE FIRE EXTINGUISHERS IN TRANSFORMER VAULTS.
- 13. RISER SUPPORTS SHALL BE PROVIDED AT LOWEST LEVEL AT EACH ALTERNATE LEVEL, ABOVE AND BELOW OFFSET AND AT THE TOP OF RISER.
- 14. FLEXIBLE COUPLING SHALL BE INSTALLED WITHIN 0.3 M ABOVE AND BELOW THE FLOORS, AND WITHIN 0.6 M OF THE TOP AND BOTTOM OF ALL RISERS.
- 15. WHERE SPRINKLER PIPING PASSES THROUGH SEISMIC SEPARATION ASSEMBLIES, FLEXIBLE FITTINGS SHALL BE INSTALLED.
- 16. PROVIDE AUXILLARY DRAIN FOR TRAPPED SECTION AS REQUIRED BY NFPA-13.
- 17. HOODS OR SHIELDS SHALL BE INSTALLED TO PROTECT ELECTRICAL EQUIPMENTS AND PANELS FROM THE SPRINKLER DISCHARGE, MATERIAL SHALL BE NON-COMBUSTIBLE.
- 18. THE DISTANCE BETWEEN THE HANGER AND CENTER OF LINE OF AN UPRIGHT SPRINKLER HEAD SHALL NOT BE LESS THAN 76 MM.
- 19. PROVIDE NECESSARY EARTHQUAKE PROTECTION AS REQUIRED UNDER NFPA-13 AND UNIFORM BUILDING CODE
- 20. PROVIDE SUITABLE PORTABLE FIRE EXTINGUISHER WHEREVER REQUIRED BY THE BUREAU OF FIRE DEPARTMENT FOR ADDED PROTECTING IN THE BUILDING.

LEGENDS. SYMBOLS & ABBR.

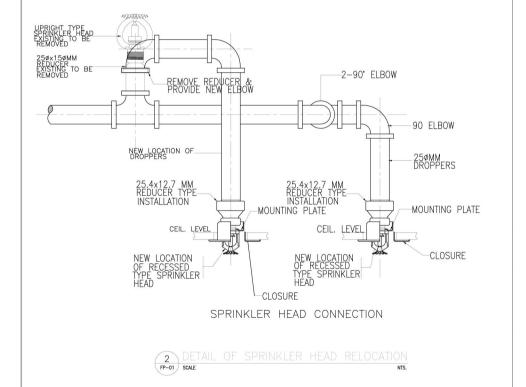


POSITION OF DEFLECTOR WHEN LOCATED

DISTANCE FROM SPRINKLER TO SIDE OF BEAM (A)	MAXIMUM ALLOWABLE DISTANCE DEFLECTOR ABOVE BOTTOM OF BEAM (B)
0.00 LESS THAN 0.3M	0.00M
0.30 TO LESS THAN 0.6M	0.02M
0.60 TO LESS THAN 0.76M	0.05M
0.76 TO LESS THAN 0.91M	0.08M
0.91 TO LESS THAN 1.10M	0.10M
1.10 TO LESS THAN 1.22M	0.15M
1.22 TO LESS THAN 1.37M	0.18M
1.37 TO LESS THAN 1.52M	0.23M
1.52 TO LESS THAN 1.70M	0.28M
1.70 TO LESS THAN 1.80M	0.36M















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DRAWING INLEA, GOLDON, NOTES, MATERIAL SPECIFICATIONS, LEGENDS, SYMBOLS AND ABBREVIATIONS

CHECKED

FP-01 RIB / AET

