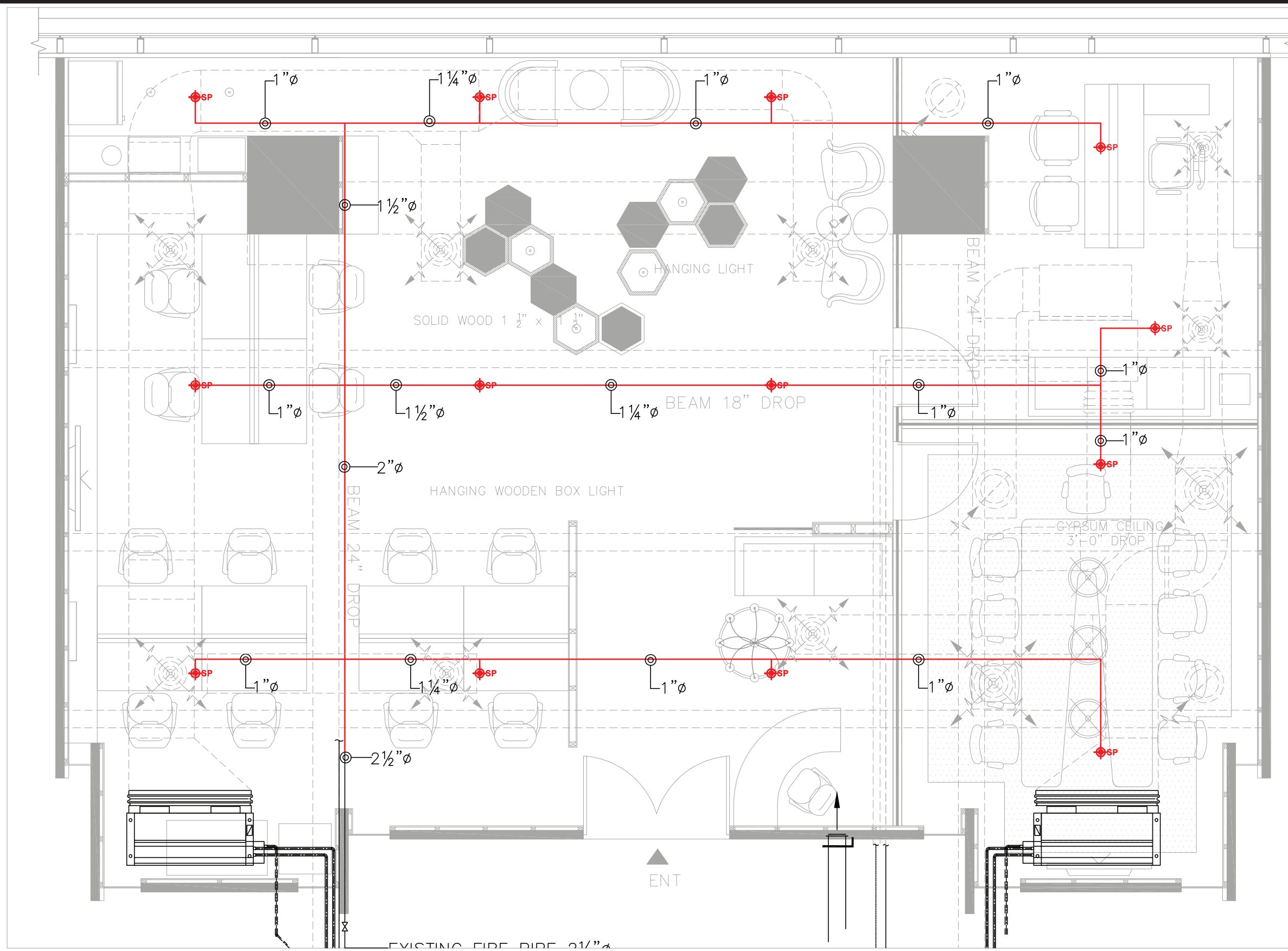


2.0TR(800CFM) CEILING
SUSPENDED WATER
COOLED PACKAGE UNIT
(E.S.P=2.5KW)

SYMBOLS	DESCRIPTION
	SUPPLY AIR DIFFUSER
	FIRE SPRINKLER

LAYOUT OF PROPOSED AIR DEVICES & FIRE SPRINKLER PLACEMENT | 1433 SFT Corporate Office Fire Fighting Layouts



FIRE SPRINKLERS

TYPE OF SPRINKLER	SPRINKLER COVERING AREA(SQ.FT)	MATERIAL	ORIFICE SIZE	THREAD SIZE	K FACTOR (IMPERIAL)	FLOW USGPM @8.22 PSI	TEMPERATURE OF SPRINKLER OPERATION	PRESSURE RATING	APPROVALS
PENDENT CONCEALED QUICK RESPONSE	130 SQ.FT (EACH)	BRASS	1/2 INCH	1/2 INCH NPT MALE	5.65	16.20 GPM @8.22 PSI	155°F(68°C)	175 PSI	UL,FM

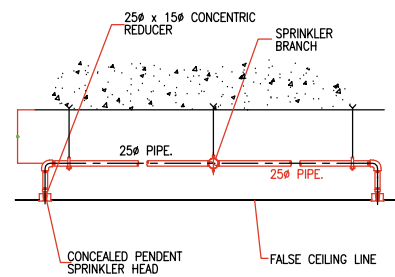
- NOTE:**
1. THE PIPE SUPPORTS SHALL BE MARKED BY THE CONTRACTOR AS PER NFPA STANDARD.
 2. THE PORTABLE FIRE EXTINGUISHERS ALSO SHALL BE PLACED AS PER NFPA STANDARD & LOCAL STANDERD.
 3. THE BUILDING HAVE ALREADY INSTALLED FIRE PUMPS SET AND WILL PROVIDE TWO CONNECTION OF 2 1/2" DIA EACH.
 4. ACCESS DOORS SHALL BE PROVIDED FOR ZONE CONTROL VALVES

SYMBOLS	DESCRIPTION
	SUPPLY AIR DIFFUSER
	FIRE SPRINKLER
	FIRE SPRINKLER PIPE

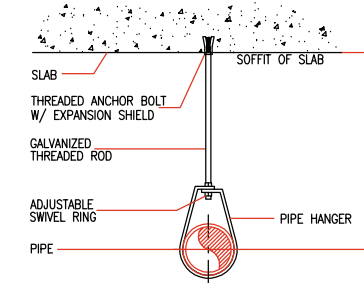
LAYOUT OF PROPOSED FIRE PROTECTION SYSTEM | 1433 SFT Corporate Office Fire Fighting Layouts

NOTES:

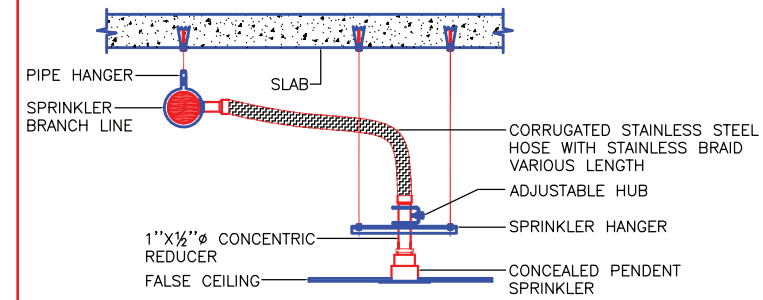
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL SERVICES.
2. ALL EQUIPMENT SHALL BE TO THE APPROVAL OF THE M&P CONSULTANT.
3. THE SPRINKLER HEADS SHALL BE FOR GLASS-BULB ONLY. THE ENTIRE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13. HYDRAULIC CALCULATION SHALL BE SUBMITTED FOR APPROVAL FROM A SPECIALIST SUPPLIER.
4. SPACES BETWEEN SLEEVES AND PIPES SHALL BE SEALED WITH FIRE RATED SEALING COMPOUND (CIVIL DEFENCE LICENSED & APPROVED).
5. THE CONTRACTOR SHALL WHEREVER POSSIBLE LOCATE THE VALVES ON BRANCH PIPES FROM MAIN RISER WITHIN THE MAIN SHAFT SPACE CLOSE TO THE ACCESS DOOR AND IN AN ACCESSIBLE LOCATION.
6. FIRE FIGHTING PIPES SHALL BE SEAMLESS, HOT DIPPED GALVANIZED TO ASTM A53 SCH 40. FITTINGS SHALL BE GROOVED END MECHANICAL JOINTS WITH EPDM GASKETS.
7. SPACES BETWEEN SLEEVES AND PIPES SHALL BE SEALED WITH FIRE RATED SEALING COMPOUND.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF SPRINKLER AND PIPE SIZE AS PER NFPA-13 AND CIVIL DEFENCE REQUIREMENTS.
9. ALL FIRE DETECTION & PROTECTION SERVICES SHALL COMPLY WITH THE REGULATION AND REQUIREMENTS OF THE LOCAL CIVIL DEFENCE AUTHORITY, IN ADDITION TO WHAT IS SPECIFIED AND INDICATED ON THE DRAWINGS.
10. ALL THE FIRE FIGHTING PIPING WORK SHALL BE WITH THREADED FITTING AND COUPLING JOINTS.



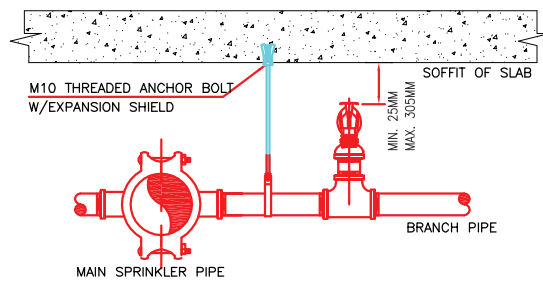
CONCEALED PENDENT SPRINKLER ARRANGEMENT



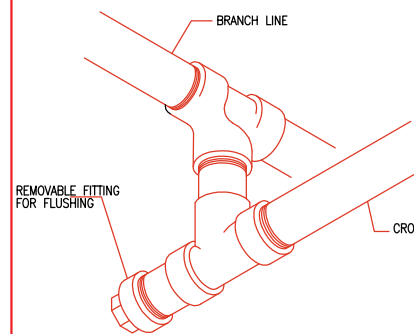
PIPE HANGER DETAIL



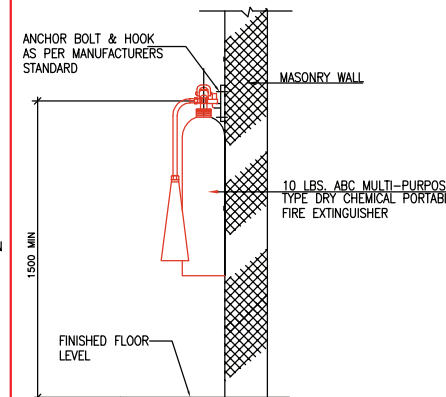
INSULATION DETAIL FOR FLEXIBLE PIPE PENDENT SPRINKLER CONCEALED TYPE



SPRINKLER HEAD TYP. (UPRIGHT)



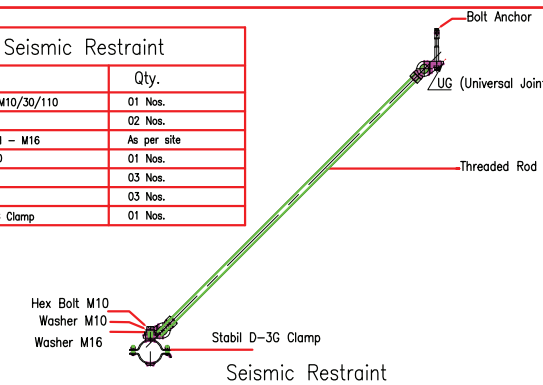
FLUSHING CONNECTION FOR CROSSMAIN



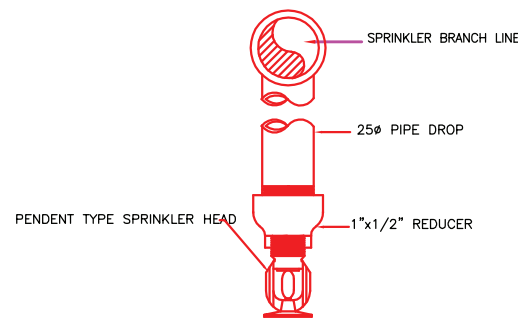
PORTABLE FIRE EXTINGUISHER MOUNTING DETAIL

BOQ - Seismic Restraint

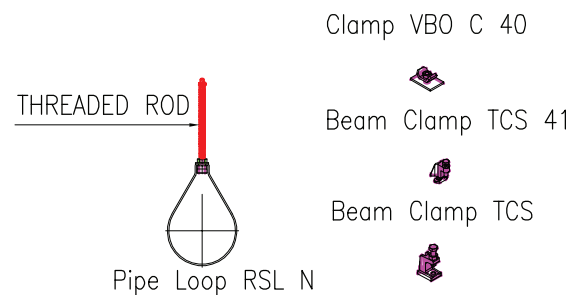
Items	Qty.
Bolt Anchor M10/30/110	01 Nos.
UG - M16	02 Nos.
Threaded Rod - M16	As per site
Hex Bolt M10	01 Nos.
Washer M10	03 Nos.
Washer M16	03 Nos.
Stabil D -3G Clamp	01 Nos.



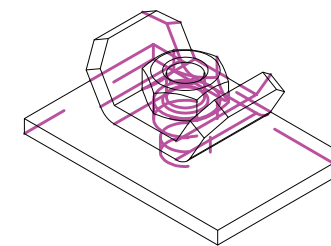
Ø25mm TO 50mm SUPPORT TO SUPPORTS DISTANCE 7000 (TYP.)



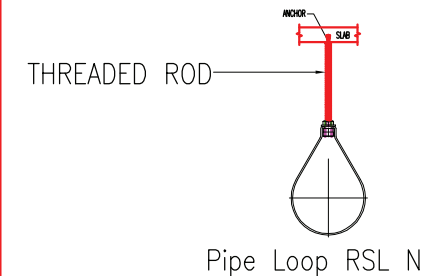
FIXING DETAIL OF PENDENT SPRINKLER HEAD



SUPPORTS DETAIL FOR METAL TACK & I GUDDER



Clamp VBO C 40



SUPPORTS DETAIL FOR SLAB

FIRE SPRINKLERS									
TYPE OF SPRINKLER	SPRINKLER COVERING AREA.(SQ.FT)	MATERIAL	ORIFICE SIZE	THREAD SIZE	K'FACTOR (IMPERIAL)	FLOW USGPM	TEMPERATURE OF SPRINKLER OPERATION	PRESSURE RATING	APPROVALS
PENDENT CONCEALED QUICK RESPONSE	130 SQ.FT (EACH.)	BRASS	1/2 INCH	1/2 INCH NPT MALE	5.65	16.20 GPM @8.22 PSI	155°F(68°C)	175 PSI	UL,FM

NOTE:

1. THE PIPE SUPPORTS SHALL BE MARKED BY THE CONTRACTOR AS PER NFPA STANDARD.