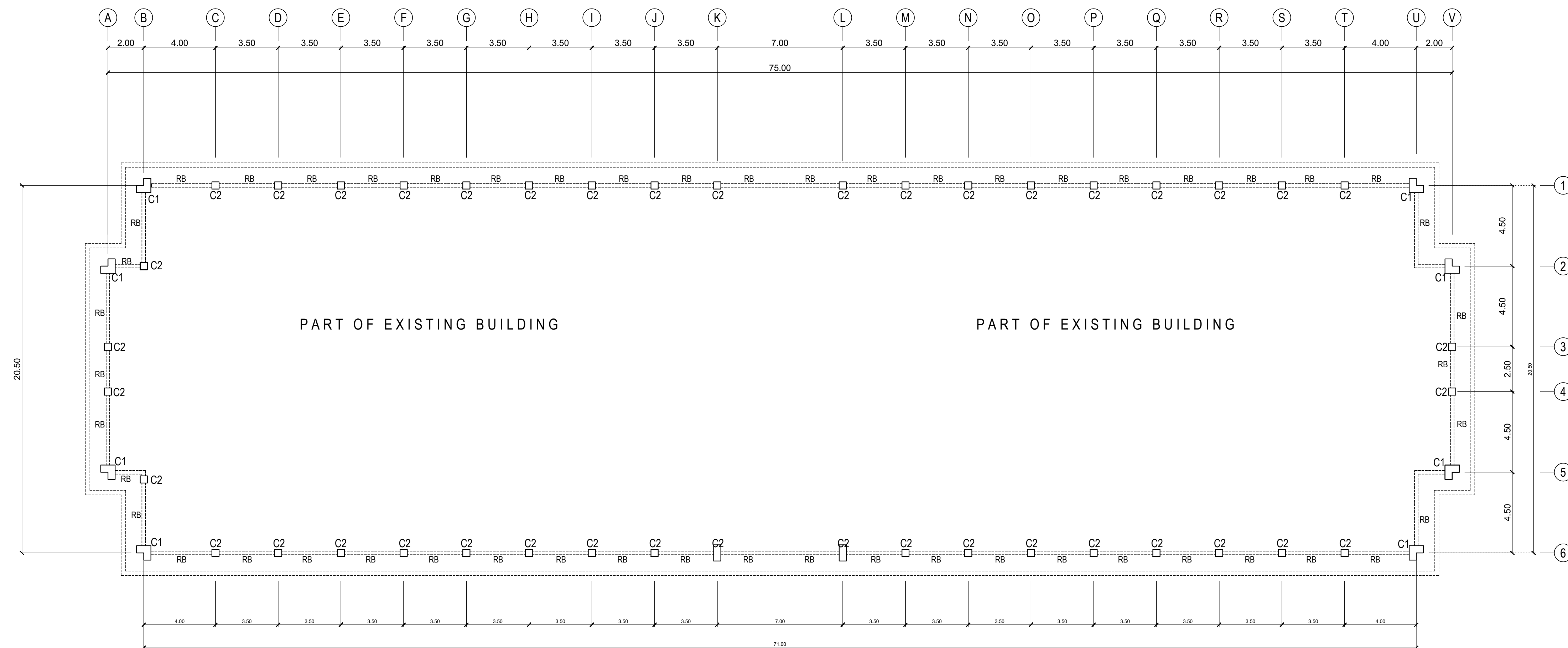


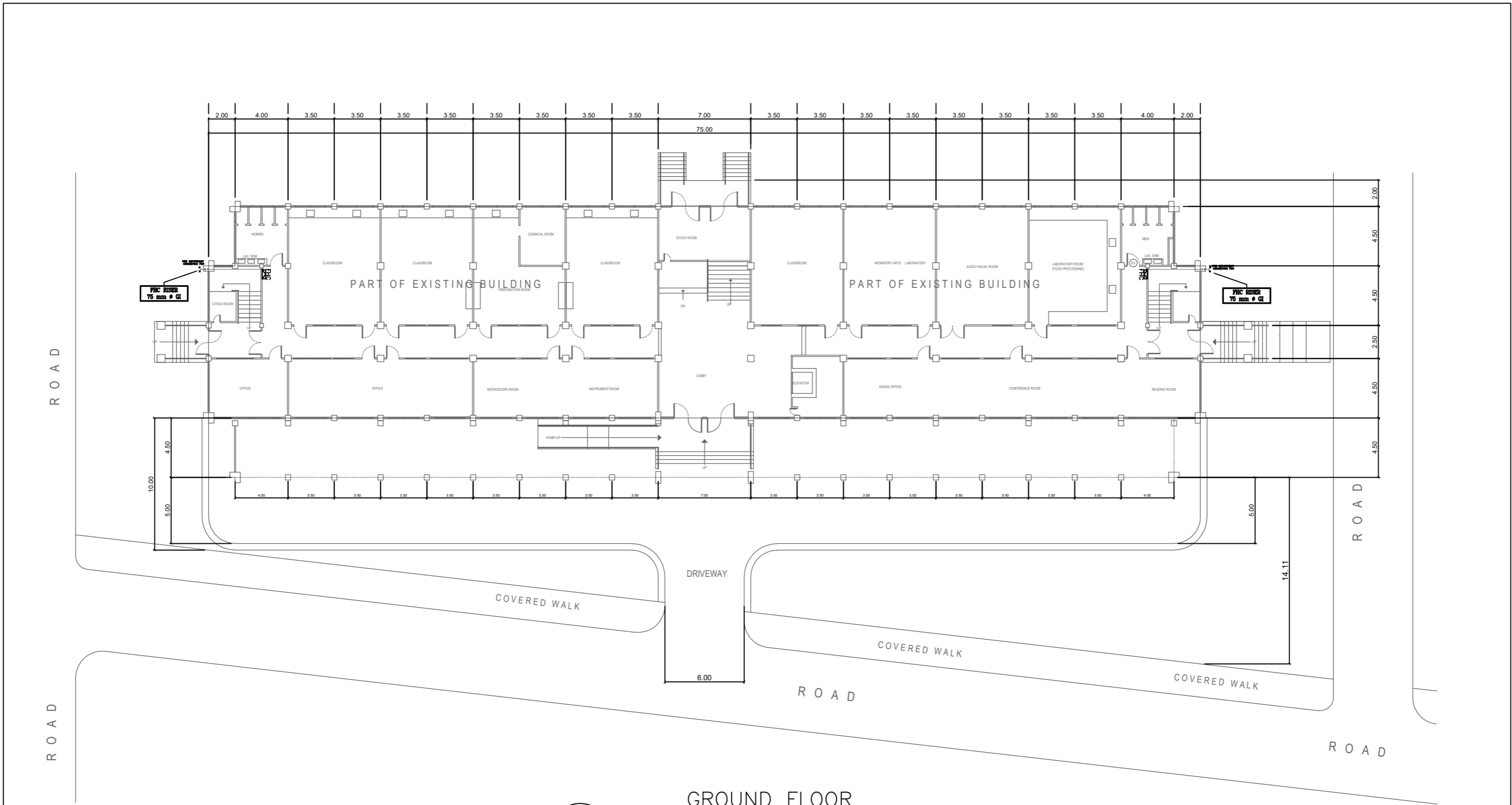

ROOF DECK FLOOR BEAM PLAN
 SCALE 1 : 150 MTS.

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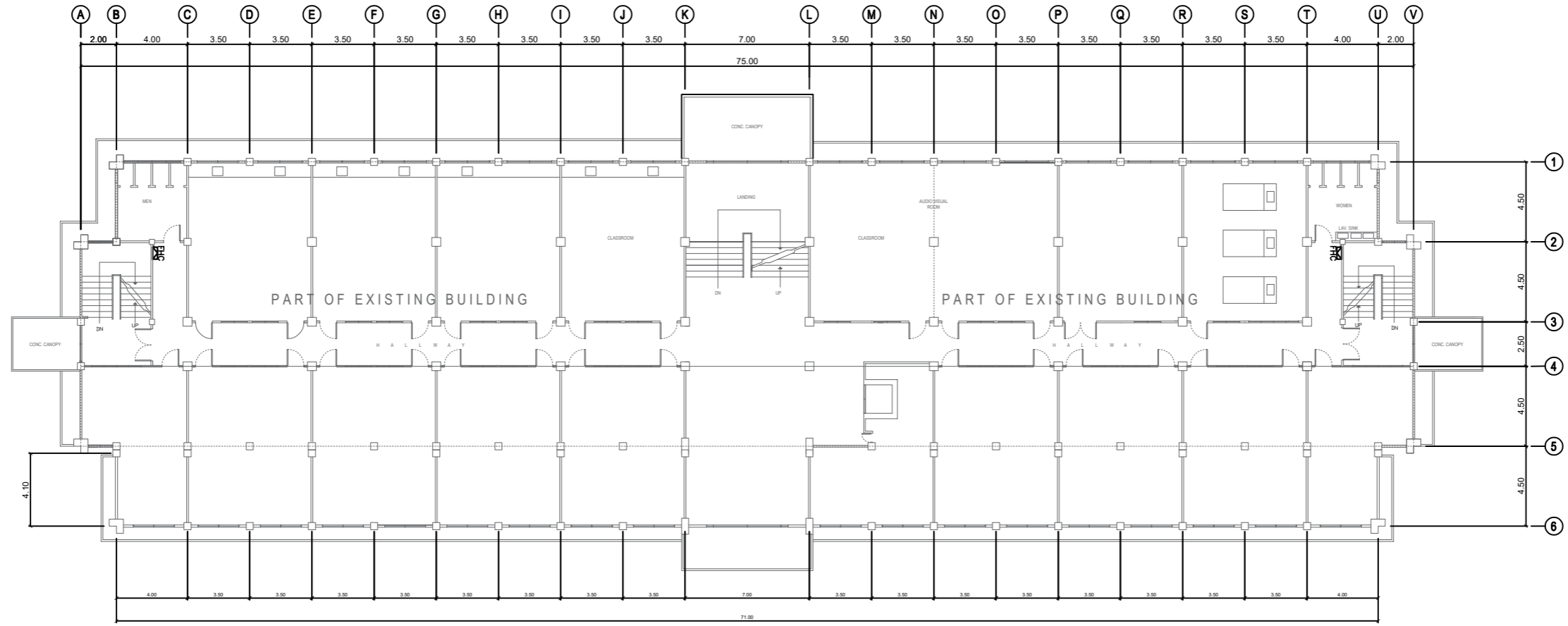
ROOF BEAM PLAN
 SCALE 1 : 150 MTS.

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1
 FP 1
 GROUND FLOOR
 FIRE HOSE CABINET LAYOUT
 SCALE 1 : 300 MTS.

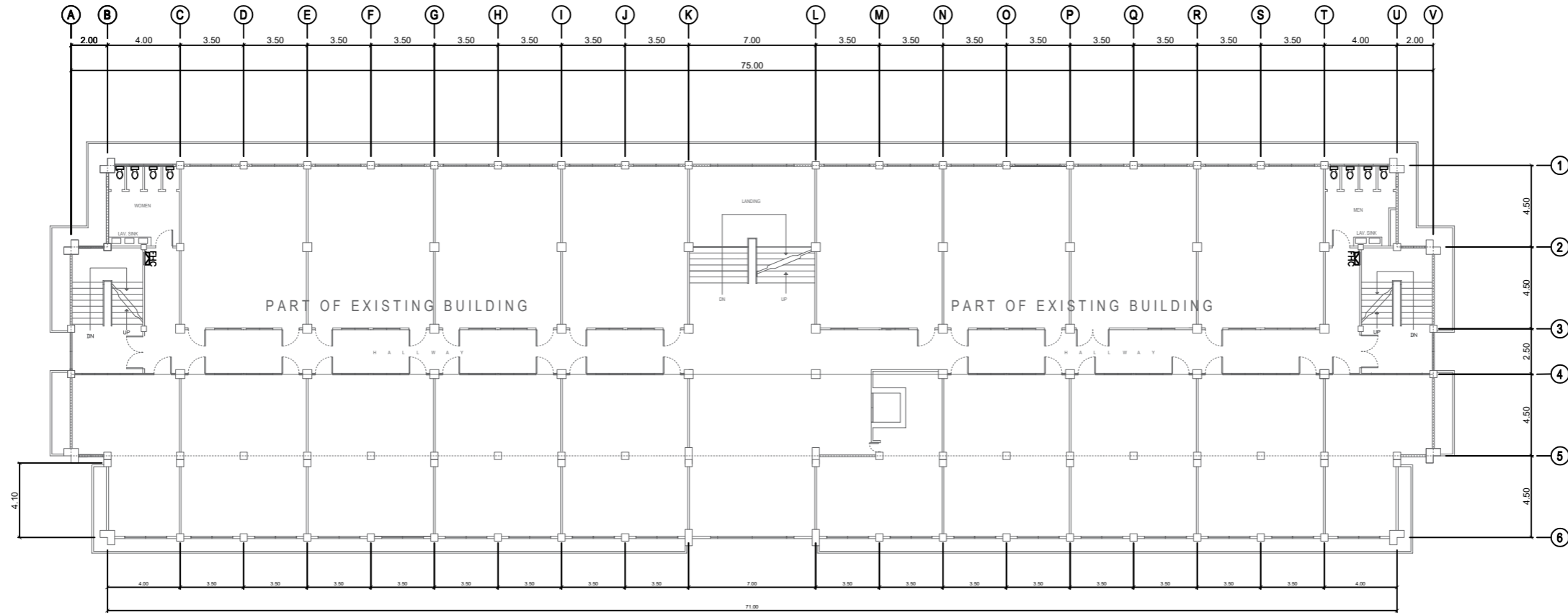
BID BULLETIN -
PROPOSED IMPROVEMENT OF COLLEGE OF NURSING TO
INCREASE CARRYING CAPACITY (FIRE PROTECTION PLANS)



1
FP 2

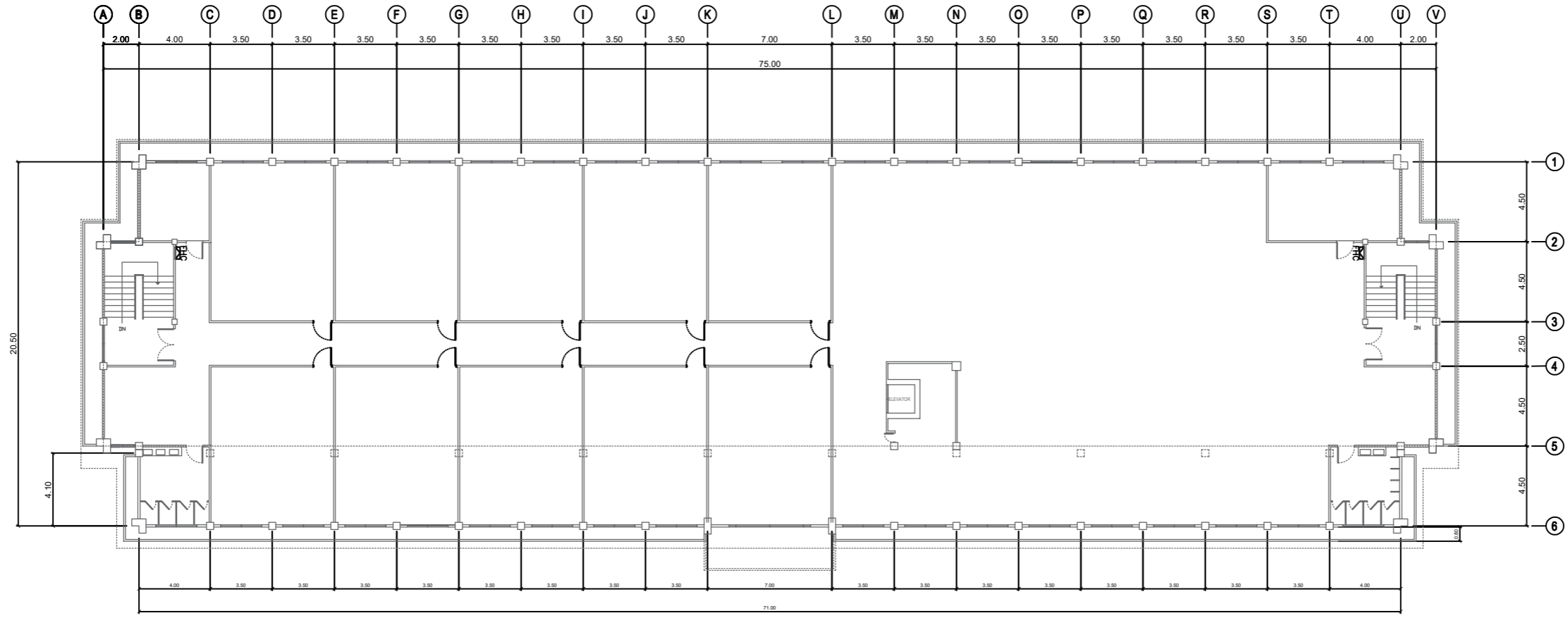
 SECOND FLOOR
 FIRE HOSE CABINET LAYOUT
 SCALE 1 : 300 MTS.

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TYPICAL THIRD AND FOURTH FLOOR
 FIRE HOSE CABINET LAYOUT
 SCALE 1 : 300 MTS.

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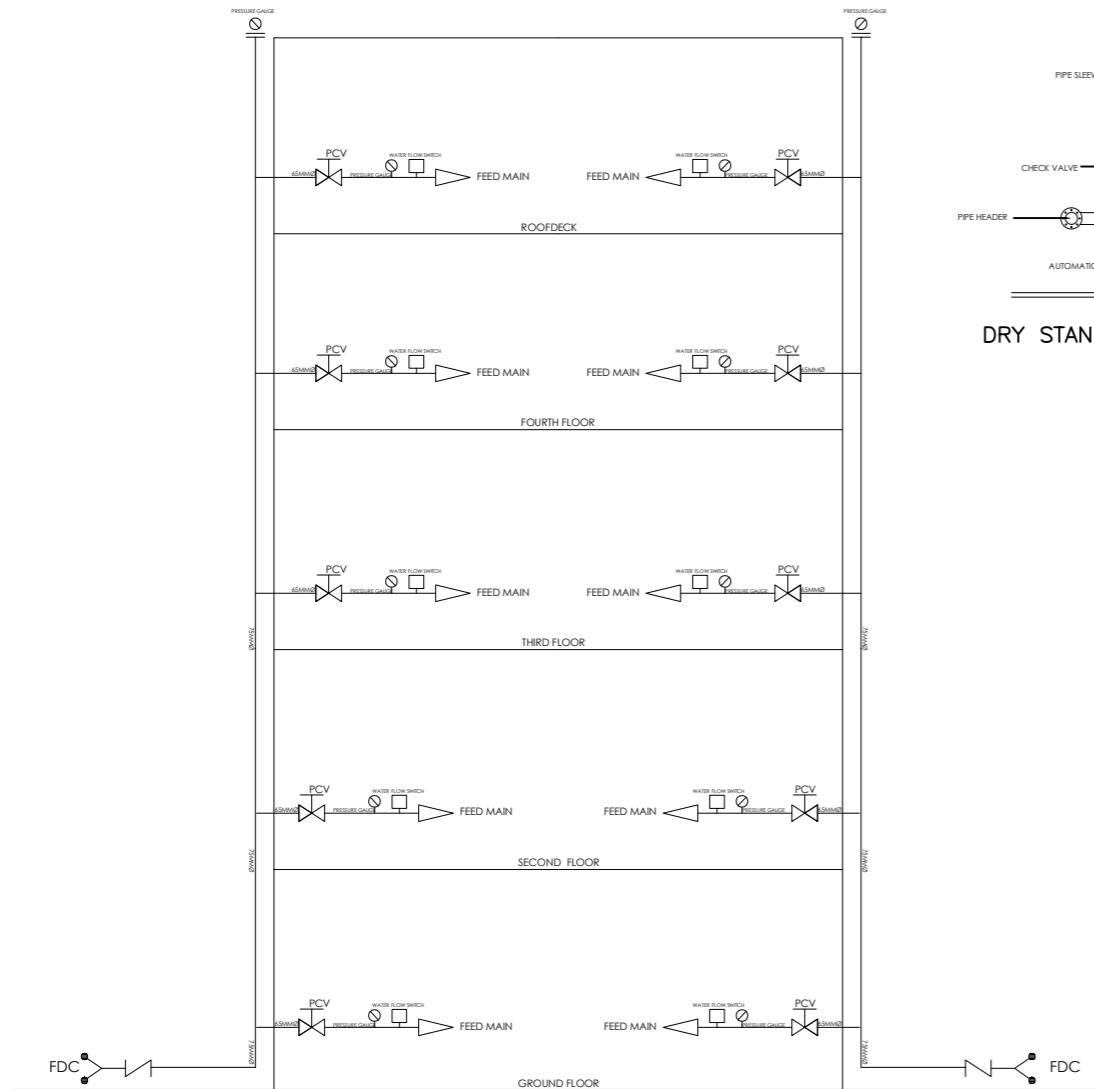


ROOF DECK
 FIRE HOSE CABINET LAYOUT
 SCALE 1 : 300 MTS.

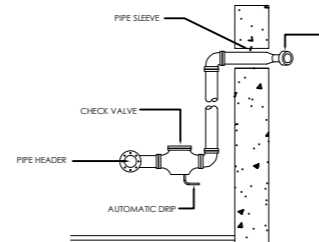
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NOTES :

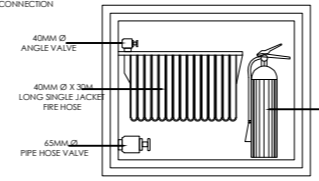
1. ALL PIPES HAVE A STRENGTH EQUIVALENT TO SCHEDULE 40.
2. ALL PIPES SHALL BE PAINTED WITH EPOXY PRIMER PAINT AND WITH A RED PAINT AS FINAL COATING.
3. ALL CONNECTIONS SHALL BE LEAK PROOF AND SHALL BE ABLE TO RESIST HIGH PRESSURE.
4. ANY DEVICES OR EQUIPMENT NOT REFLECTED OR SHOWN ON PLANS BUT REQUIRED TO COMPLETED THE SYSTEM MUST BE INCLUDED ON SCOPE OF WORK.
5. FIELD VERIFICATION SHALL BE DONE BY CONTRACTOR. ANY DISCREPANCIES OR CHANGES SHALL BE PROMPTLY NOTIFIED TO OWNER'S REPRESENTATIVE OR DESIGNER.



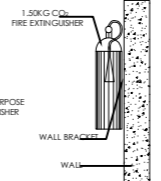
1 Riser Diagram of Fire Protection System
FP 5 SCALE N T S



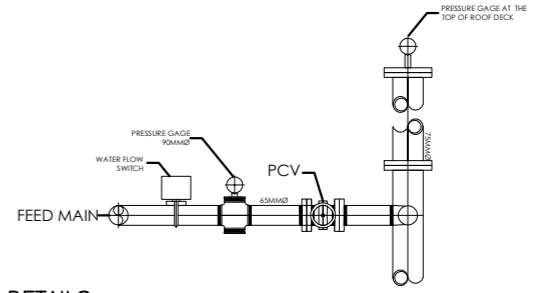
DRY STAND PIPE DETAIL



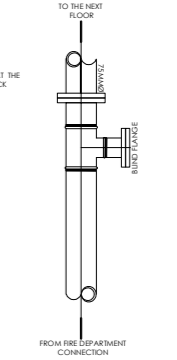
FIRE HOSE CABINET DETAIL



WALL MOUNTED FIRE EXTINGUISHER DETAILS



ELEVATION



VIEW AT RISER

2 SUPERVISORY FLOOR CONTROL VALVE ASSEMBLY DETAILS
FP 5 SCALE N T S

LEGEND AND SYMBOLS :

- |—| Gate Valve
- |—| Check Valve
- |—| Water Flow Switch
- |—| Tee Connection
- |—| Elbow Connection
- |—| OS & Y Gate Valve with Monitor Switch
- |—| End Cap
- C.I. Concentric Increaser, Optional
- ER Eccentric Reducer, Optional
- RN Riser Nipple
- BFV Butterfly Valve, Wafer Type
- GV Gate Valve, Rising Stem
- GV Gate Valve, Rising Stem
- WCV Wafer Type Check Valve
- CV Swing Type Check Valve
- SG Sight Glass

- |—| Piping System
- |—| Pressure Relief Valve
- ⊙ Pendent/Upright Sprinkler
- ⊙ Side Wall Sprinkler
- ⊙ Fire Extinguisher
- ⊙ Smoke Detector
- ⊙ Eagle HCFC 123 (dichlorotrifluoroethane) Cellint Type Fire Extinguisher, Stored Pressure type
- WFS Water Flow Switch
- PRV Pressure Reducing Valve
- FP Fire Pump
- JP Jockey Pump
- FA Fire Alarm
- B Bell
- PG Pressure Gauge
- PCV Pressure Control Valve w/ Supervisory Switch
- FDC Fire Department Connection

GENERAL NOTES:

1. INSTALLATION OF FIRE SPRINKLER SYSTEM SHALL CONFORM TO NFPA-13 REQUIREMENTS.
2. COORDINATE WITH OTHER WORKS, INCLUDING THE PLUMBING PIPING AS NECESSARY TO INTERFACE COMPONENTS OF FIRE PROTECTION PIPING PROPERLY WITH OTHER WORKS
3. SPRINKLER SHALL BE SPACED NOT LESS THAN 6 FT (1.8 M) ON CENTERS.
4. PROVIDE 10 LBS HALOTRON PORTABLE FIRE EXTINGUISHERS TO ALL ELECTRICAL ROOM AND TO OTHER ROOM OF THE SAME USAGE.
5. ALL PIPES SHALL BE PROVIDED WITH THE PIPE SLEEVE THROUGH BEAMS, WALL, AND FLOORS.
6. PROVIDE AT LEAST ONE (1) HANGER BETWEEN EACH TWO (2) BRANCH LINES.
7. LATERAL AND LONGITUDINAL SWAY BRACES SPACED AT MAXIMUM OF 12.2 M AND 24 M ON CENTER RESPECTIVELY SHALL BE PROVIDED AT ALL PIPE LINES WITH DIAMETER OF 150 MM AND LARGER.
8. PROVIDE FLANGE CONNECTION AT MAXIMUM INTERVAL OF 12 METERS.
9. ALL PORTABLE FIRE EXTINGUISHERS INSIDE FIRE HOSE CABINET (FHC) SHALL BE CLASS "ABC" DRY CHEMICAL UNLESS OTHERWISE SPECIFIED.
10. PROVIDE 50 LBS WHEELED TYPE HALOTRON PORTABLE FIRE EXTINGUISHER IN TRANSFORMER VAULTS.
11. WHERE SPRINKLER PASSES THROUGH SEISMIC SEPARATION ASSEMBLIES, FLEXIBLE SHALL BE PROVIDED.
12. PROVIDE AUXILIARY DRAIN FOR TRAPPED SECTION AS REQUIRED BY NFPA-13.
13. THE DISTANCE BETWEEN THE HANGER AND CENTER OF LINE OF AN UPRIGHT SPRINKLER HEAD SHALL NOT BE LESS THAN 76 MM.
14. PROVIDE NECESSARY EARTHQUAKE PROTECTION AS REQUIRED UNDER NFPA-13 AND APPLICABLE BUILDING CODE.
15. PIPING SHALL BE CONCEALED IN AREAS WITH DROP CEILING.
16. INSTALL IRON PIPE SLEEVES OF AMPLE DIAMETER AT ALL POINTS WHERE PIPES PENETRATE BEAMS, FLOOR OR WALLS. SIZE AND INSTALL SO THAT THE PIPES ARE NOT STRESSED.
17. SLEEVES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF WALLS OR POURING OF CONCRETE. INSTALL SLEEVES FLUSH WITH ALL SURFACES.
18. THE CONTRACTOR MUST SUBMIT SHOP DRAWING INDICATING ACTUAL DIMENSIONAL SIZES, OPERATING WEIGHTS, AND SUFFICIENT CLEARANCES TO FACILITATE NORMAL SERVICE AND MAINTENANCE. HOWEVER, SHOULD ACTUAL EQUIPMENT PHYSICALLY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHOULD NOTIFY THE ARCHITECT IN WRITING.
19. ALL MECHANICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATION OF THE LATEST EDITION OF THE PHILIPPINE MECHANICAL CODE.
20. ALL MECHANICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISOR OF A DULY LICENSED REGISTERED MECHANICAL ENGINEER.

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