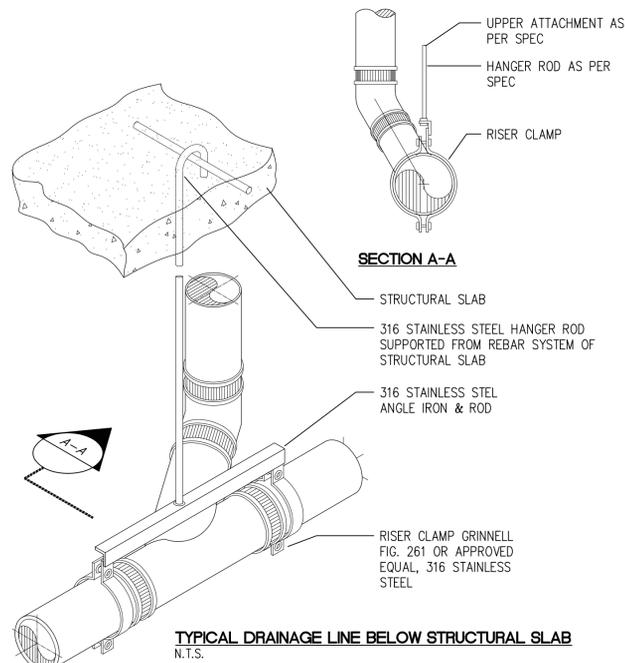
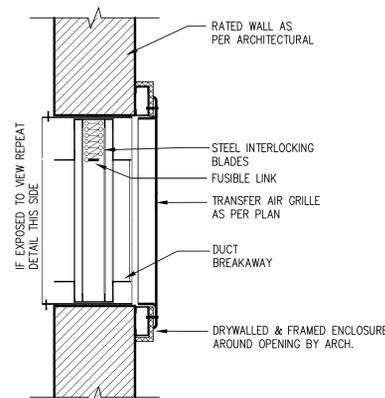


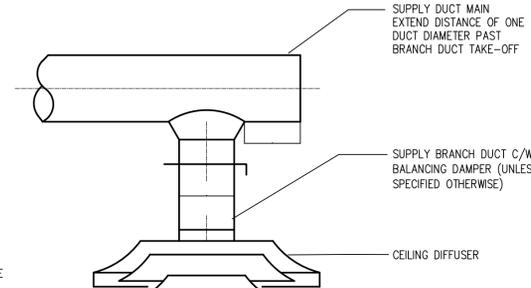
ELECTRIC HOT WATER TANK DETAIL
N.T.S.



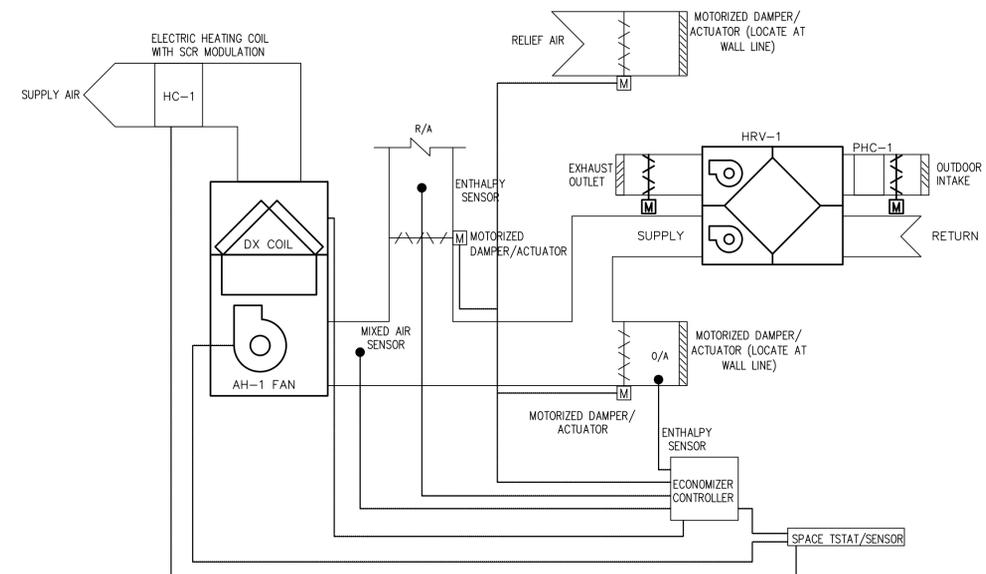
TYPICAL DRAINAGE LINE BELOW STRUCTURAL SLAB
N.T.S.



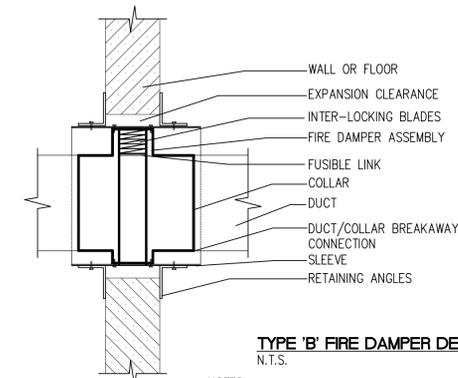
RETURN AIR GRILLE AT FIRE DAMPER
N.T.S.



CUSHION HEAD CONSTRUCTION DETAIL
N.T.S.



AIR HANDLING UNIT (PACKAGED COOLING) ECONOMIZER CONTROL SCHEMATIC
N.T.S.

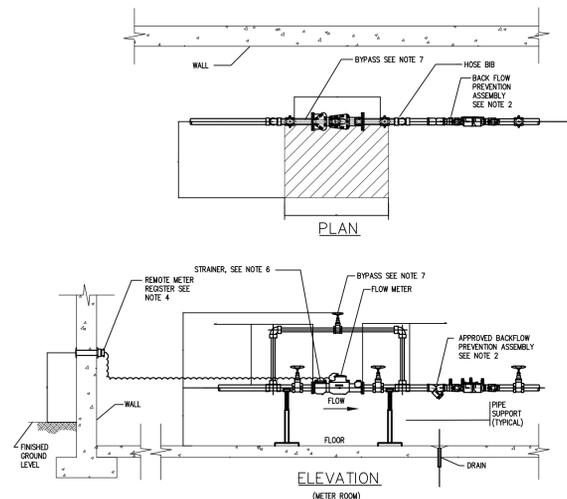


TYPE 'B' FIRE DAMPER DETAIL
N.T.S.

NOTES:

FIRE DAMPER TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION.

DUCT/COLLAR BREAKAWAY CONNECTION TO BE APPROVED.

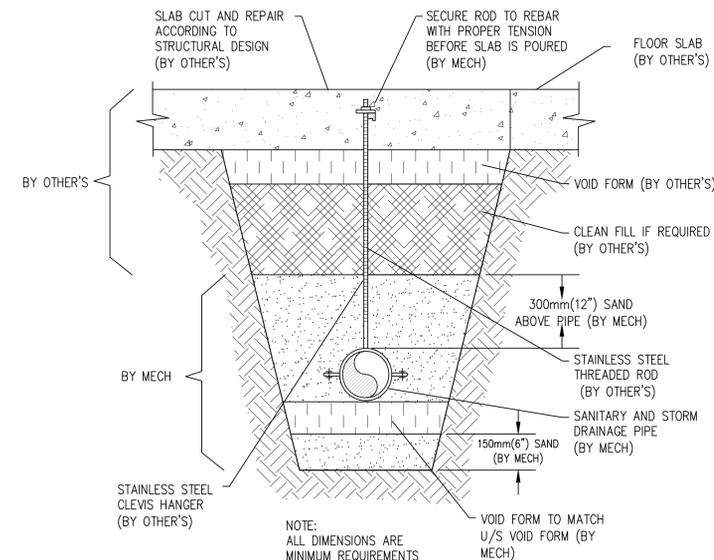


ELEVATION
(METER ROOM)

NOTES:

- COPPER AND BRASS FITTINGS ONLY.
- PROVIDE DETAILS OF BACKFLOW PREVENTION:
 - DOUBLE CHECK VALVE ASSEMBLY FOR MODERATE HAZARDOUS SERVICE.
 - REDUCED PRESSURE ASSEMBLY FOR HIGH HAZARDOUS SERVICE.
- SHOW REMOTE METER READOUT LOCATION IN ELEVATION VIEW (EXTERIOR OF BUILDING). METER READOUT MUST BE EASILY ACCESSIBLE FOR METER READING.
- CONTRACTOR TO INSTALL WALL CONDUIT FOR METER CABLE.
- MINIMUM 10 PIPE DIAMETERS OF STRAIGHT PIPE BEFORE AND 5 PIPE DIAMETERS AFTER FLOW METER.
- METER INSTALLATIONS 75mm # AND LARGER REQUIRE A STRAINER.
- BYPASS PIPE SIZE SHALL BE 50mm #. SECURE AND STABILIZE.

INCOMING WATER SERVICE DETAIL
N.T.S.



BURIED PIPE SUPPORT UNDER STRUCTURAL SLAB DETAIL
N.T.S.

VENTILATION SUMMARY (BASED ON ASHRAE 62.1-2007, NBC, NFPA-30A, ACGIH-INDUSTRIAL VENTILATION)

| A.) OUTSIDE AIR | | | | | | | | |
|-----------------------------------|---|---------------|-----------------------------|----------------------|----------------------------|----------------------|-----------------|---------------|
| UNIT | ROOM | # PEOPLE | RATE PER PERSON (CFM/PERS.) | AREA (SQ.FT.) | RATE PER AREA (CFM/SQ.FT.) | EFFECTIVENESS FACTOR | TOTAL O/A (CFM) | EXHAUST (CFM) |
| AH-1 | FOREMAN 102 | 3 | 5.0 | 150 | 0.06 | 0.8 | 30 | |
| | SHARED OFFICE 103 | 2 | 5.0 | 185 | 0.06 | 0.8 | 26 | |
| | ELECTRICAL 105 | 0 | 0.0 | 105 | 0.06 | 0.8 | 8 | |
| | | | | | | | 235 | |
| HRV-1 (EXHAUST) | WC 106, 107, 108 | | | | 50 CFM EA | | | 150 |
| | SHOWER 109 | | | | 75 CFM EA | | | 75 |
| | LOCKER 104 | | | 210 | 0.25 | | | 53 |
| | MECH 110 | | | 120 | 1.0 | | | 120 |
| | | | | | | | | 398 |
| B.) SHOP AREA OUTDOOR/EXHAUST AIR | | | | | | | | |
| UNIT | ROOM | AREA (SQ.FT.) | RATE PER AREA (CFM/SQ.FT.) | EFFECTIVENESS FACTOR | TOTAL O/A (CFM) | TOTAL E/A (CFM) | | |
| EF-1 | SHOP 101 | 1625 | 0.77 | 1.0 | 1251 | 1251 | | |
| | STORAGE | 370 | 0.12 | 1.0 | 44 | 44 | | |
| | *SUPPLEMENTARY EXHAUST/VENTILATION PROVIDED FOR IMPROVED HUMIDITY CONTROL IN WASHBAY AREA | | | | | | | +1410 CFM |

3
2
1
0
2021.11.01 - ISSUED FOR CONSTRUCTION
NO. DATE REVISION / ISSUANCE



Architect



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Project
ST. VITAL PARK MAINTENANCE FACILITY

190 RIVER ROAD

MECHANICAL DETAILS,
VENTILATION SUMMARY

Project No. 20105

Date 21.11.01

Sheet
M3.1