

# LEGEND

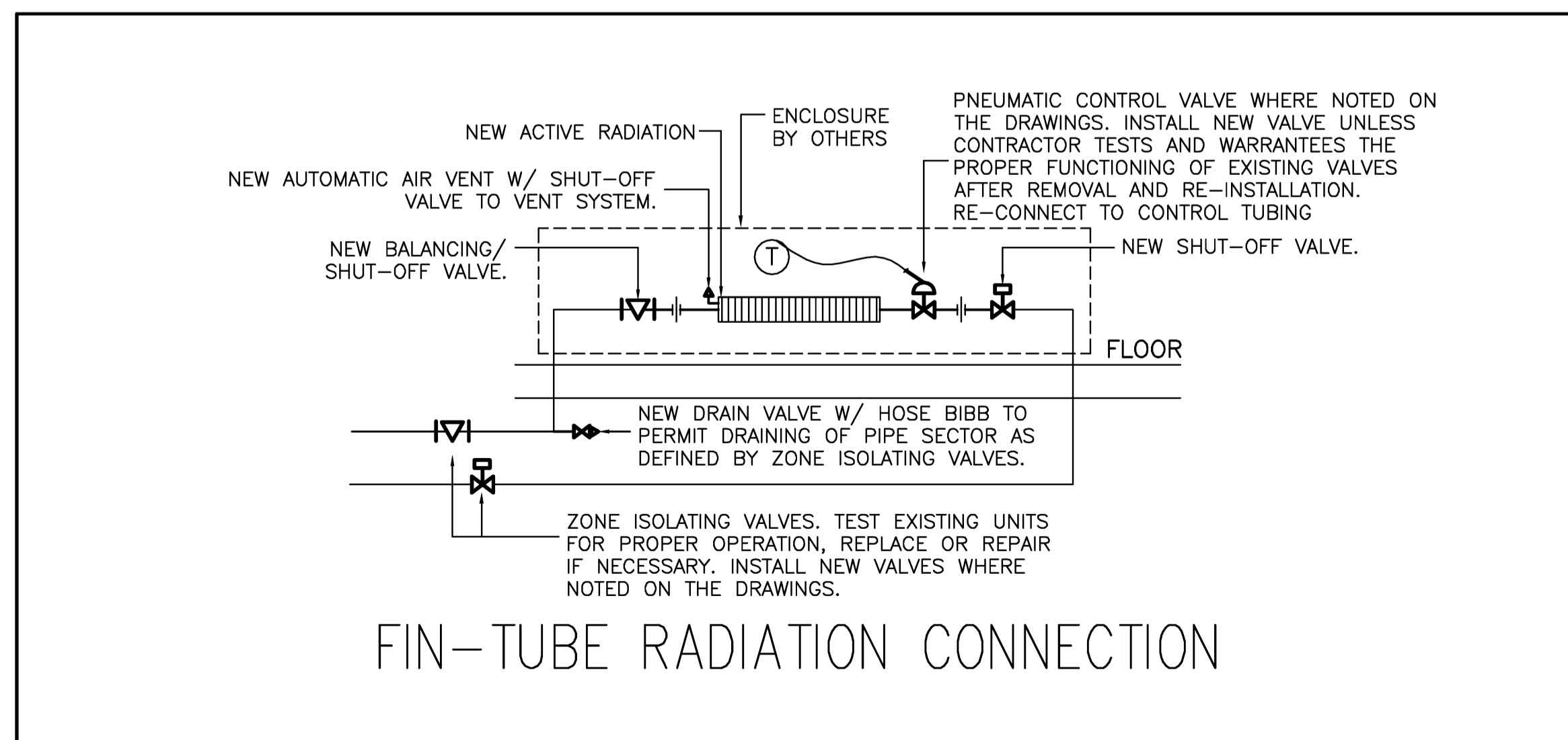
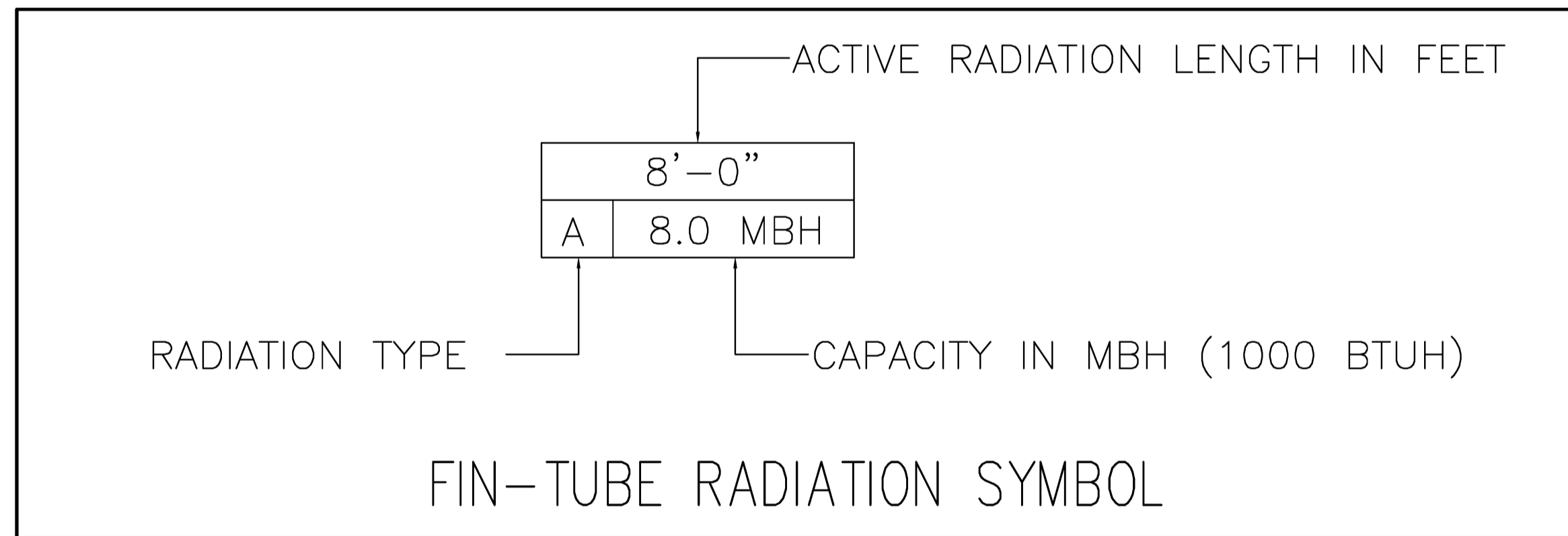
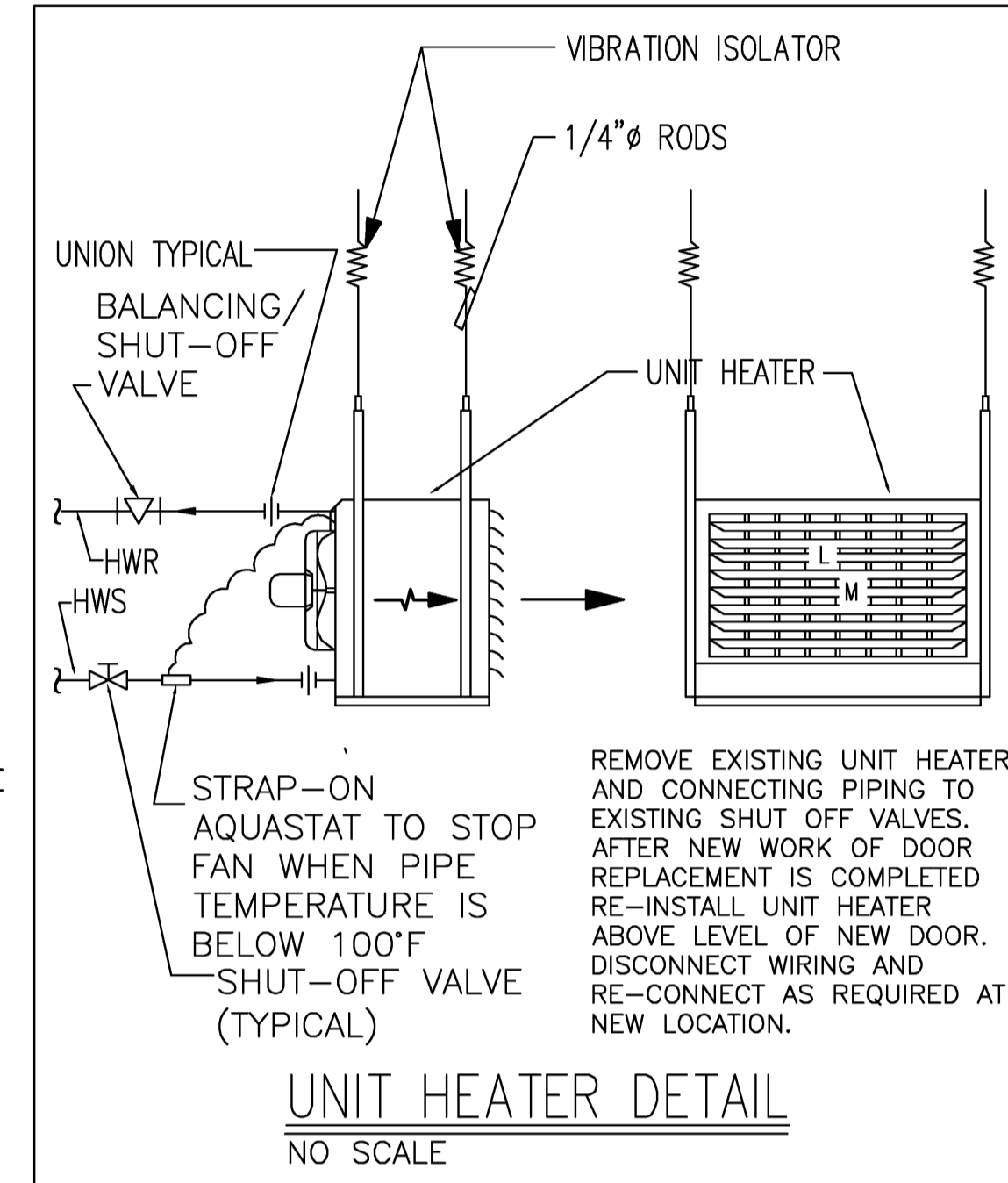
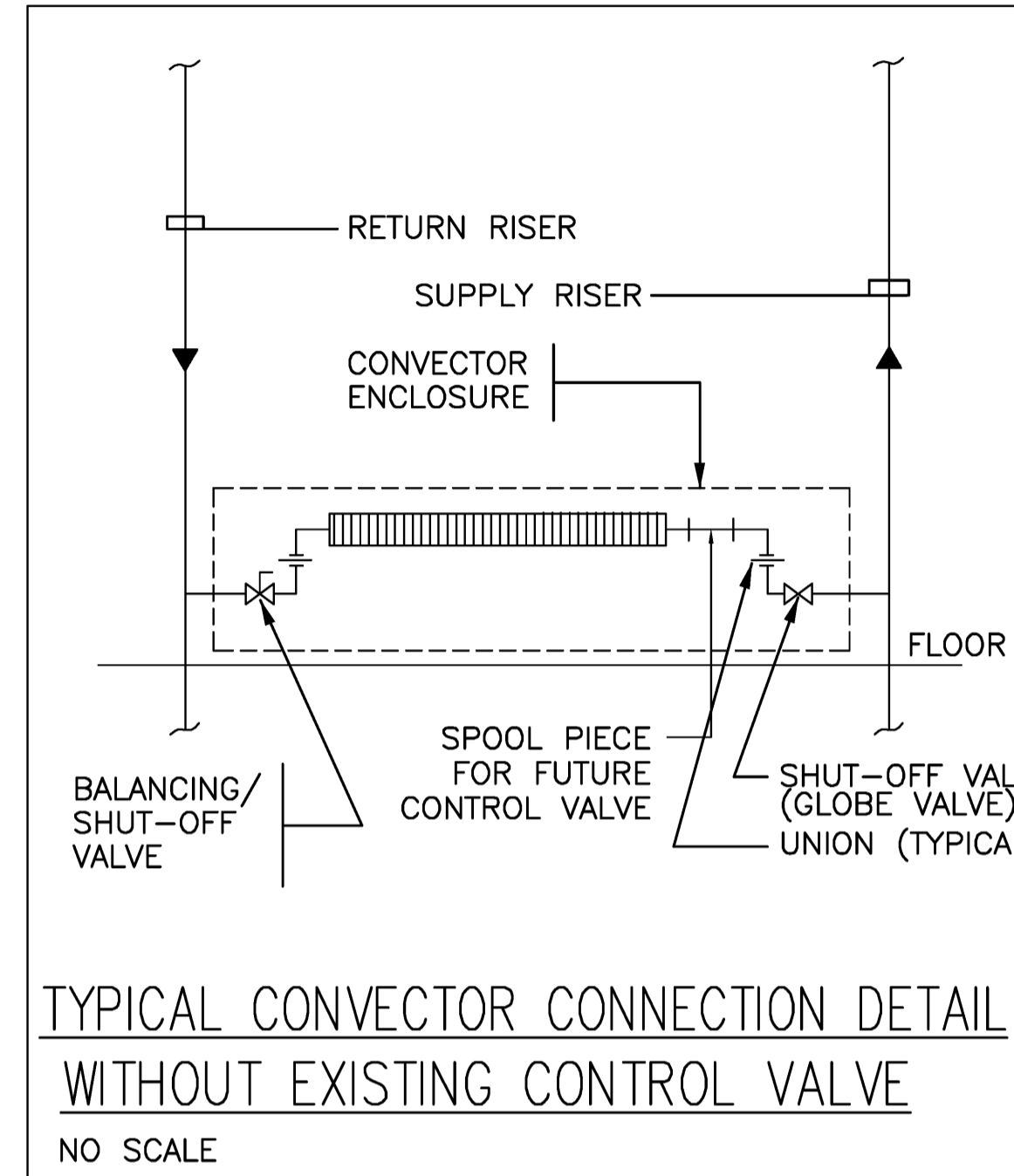
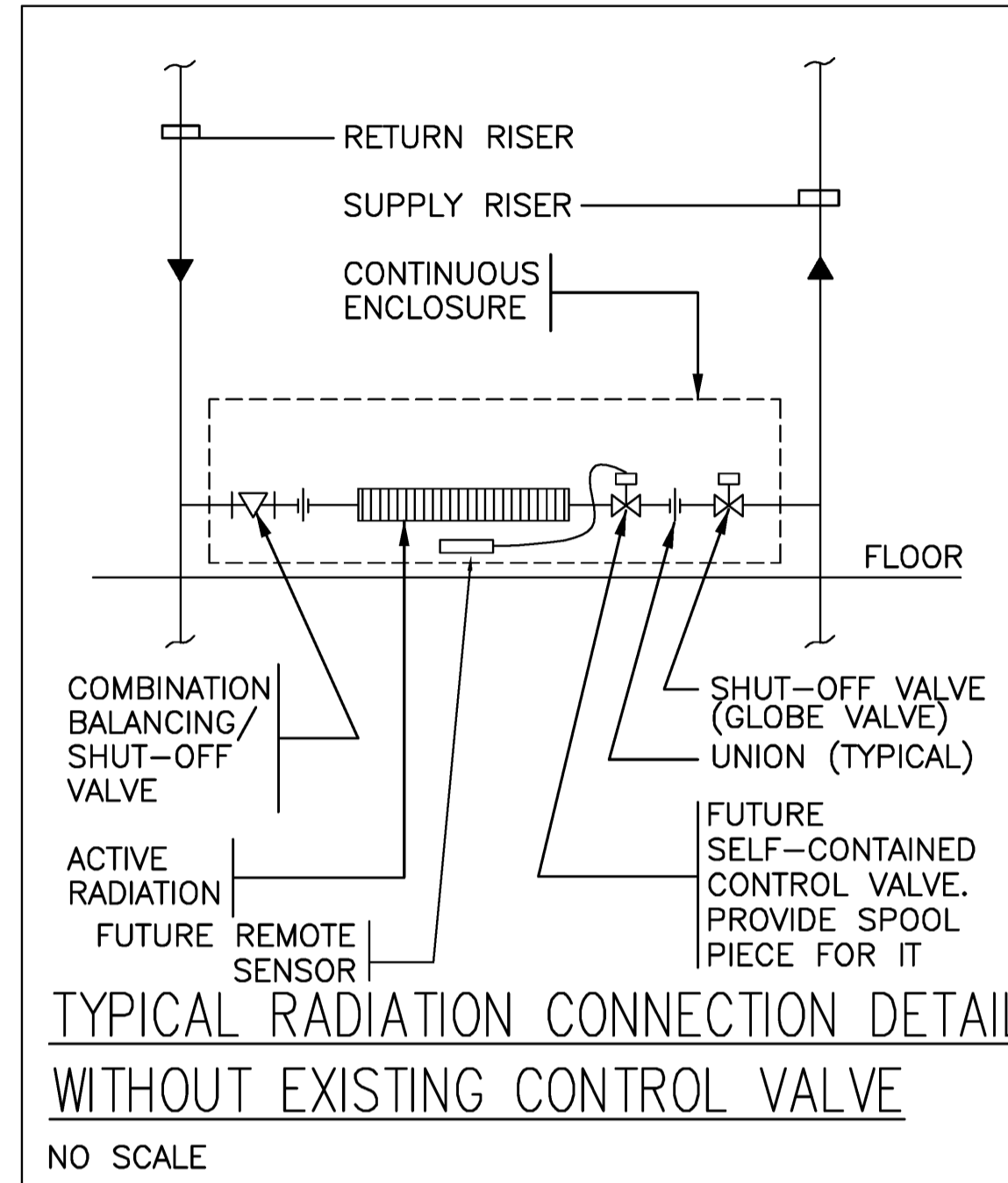
- A.D. ACCESS DOOR
- CAP. CAPACITY
- F.C. FLEXIBLE CONNECTION
- C.I. CAST IRON
- LF LINEAR FEET
- OA OUTSIDE AIR
- MD MOTORIZED DAMPER
- N.C. NORMALLY CLOSED
- N.O. NORMALLY OPEN
- DAMPER (MOTORIZED)
- THERMOSTAT
- NEW WORK
- EXISTING
- CONNECT NEW TO EXISTING
- V.I.F. VERIFY IN FIELD
- THERMOSTAT CONTROLLER WITH REMOTE SENSOR IN R.A. DUCT
- D DRAIN PIPING
- N.T.S. NOT TO SCALE
- PLBR PLUMBING CONTRACTOR
- LPS LOW PRESSURE STEAM SUPPLY
- LPR LOW PRESSURE STEAM RETURN
- C.W. COLD WATER
- HWS HOT WATER SUPPLY
- HWR HOT WATER RETURN
- SHUT-OFF VALVE (SUPPLY)
- SHUT-OFF BALANCING VALVE (RETURN)
- PNEUMATIC CONTROL VALVE
- PNEUMATIC CONTROL VALVE (PLAN VIEW)

## GENERAL NOTES:

1. CONTRACTOR TO EXERCISE CARE IN THE REMOVAL OF THE RADIATION AND FITTINGS. CONTRACTOR TO BE RESPONSIBLE FOR THE INTEGRITY OF THE ENTIRE PIPING SYSTEM IN GENERAL AND IN PARTICULAR FOR THE ADJACENT 25'-0" OF PIPING UPSTREAM AND DOWNSTREAM OF NEW TUBE RADIATION REMOVAL AND INSTALLATION OF NEW ONE.
2. THE WORK SHALL BE INSTALLED IN PHASES AS NOTED ON THE ARCHITECTURAL DRAWINGS. AS A FIRST STEP, THE CONTRACTOR SHALL INSURE THAT EXISTING ZONE ISOLATING VALVES WORK PROPERLY AND CONTRACTOR SHALL INSTALL NEW ZONE ISOLATING VALVES WHERE NOTED ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT A UNIT PRICE TO REPLACE VALVES THAT ARE NOT WORKING PROPERLY.
3. THE SYSTEM SHALL BE DRAINED AT VARIOUS STAGES OF THE WORK, FOLLOWING THE PHASING SCHEDULE. AFTER EACH DRAINING OF SYSTEM OR PORTION OF THE SYSTEM THE CONTRACTOR SHALL TEST NEW SECTION OF PIPE, CLEAN THOROUGHLY AND REFILL THE SYSTEM WITH WATER. ONCE ALL THE WORK IS COMPLETED, THE CONTRACTOR SHALL TEST THE WATER SYSTEM AND TREAT THE WATER SYSTEM AS NECESSARY TO MAINTAIN BALANCE OF THE WATER IN THE SYSTEM AS NOTED ON SPECIFICATIONS.

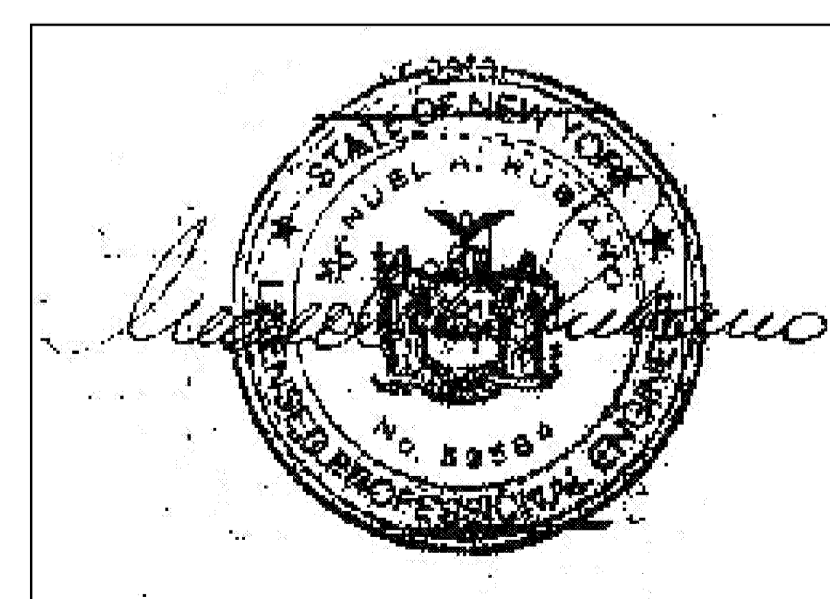
# RADIATION SCHEDULE TRANE, SLANT/FIN OR VULCAN AS STD

TYPE	DESCRIPTION	MATERIAL	SIZE	CAPACITY	WATER TEMP.	FINS/FOOT	REMARKS
A	BARE ELEMENT	STEEL	1 ROW OF 4 1/4"x 4 1/4"x0.024	1000 BTUH/ FOOT	190°F AVERAGE	32	-
B	BARE ELEMENT	STEEL	2 ROW OF 4 1/4"x 4 1/4"x0.024	1500 BTUH/ FOOT	190°F AVERAGE	32	-
C	BARE ELEMENT	STEEL	1 ROW OF 3"x 3 1/4"x0.025	1500 BTUH/ FOOT	190°F AVERAGE	48	-



### PHASING NOTES & LINE ITEM PRICES:

1. THE FOLLOWING IS A SUGGESTION TO THE CONTRACTOR AS IT REGARDS TO THE SEQUENCE OF INSTALLATION OF THE SCOPE OF WORK DELINEATED BY THESE DRAWINGS AND SPECIFICATIONS:
  - a. THE CONTRACTOR SHALL INSTALL AS A FIRST STEP ALL THE ZONE ISOLATING VALVES NOTED ON THE DRAWINGS. AT THE SAME TIME, CONTRACTOR SHALL TEST ALL EXISTING ZONE ISOLATING VALVES AND REPORT THE VALVES NOT OPERATING PROPERLY AND REQUIRING REPAIR OR REPLACEMENT.
  - b. THE CONTRACTOR SHALL INSTALL AND REPAIR ALL THE ZONE ISOLATING VALVES REPORTED AS NOT WORKING PROPERLY. IN ADDITION, THE CONTRACTOR SHALL INSTALL THE NECESSARY DRAIN VALVES AND VENT VALVES REQUIRED TO DO PARTIAL DRAINING OF THE SYSTEM AND PROPER VENTING AFTER PARTIAL RE-FILL OF THE SYSTEM. IT WILL PERMIT THE INSTALLATION AND REMOVAL OF THE FIN-TUBE RADIATION AS PER PHASING SCHEDULE DELINEATED BY THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL SUBMIT A LINE ITEM PRICE TO DRAIN AND REFILL THE ENTIRE HEATING SYSTEM AS FAR AS IT IS REQUIRED TO PERMIT INSTALLATION OF EXISTING ZONE ISOLATING VALVES THAT REQUIRE REPAIR OR REPLACEMENT. THIS WORK WOULD BE REQUIRED TO COMPLY WITH THE PHASING OF THE WORK AS DELINEATED BY THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL INCLUDE IN HIS BID A LINE ITEM TO REPLACE EXISTING VALVES AND FURNISH AND INSTALL NEW VALVES AS FOLLOWS:
  - a. FURNISH AND INSTALL 4 NEW SUPPLY ZONE ISOLATING VALVES (GLOBE VALVES).
  - b. FURNISH AND INSTALL 4 NEW RETURN COMBINATION ISOLATION AND BALANCING VALVE ZONE ISOLATING VALVES.
  - c. FURNISH AND INSTALL 10 NEW SUPPLY ZONE ISOLATING VALVES, TO REPLACE EXISTING VALVES (GLOBE VALVES) THAT DO NOT WORK PROPERLY.
  - d. FURNISH AND INSTALL 10 NEW RETURN COMBINATION ISOLATION AND BALANCING ZONE ISOLATING VALVES TO REPLACE EXISTING VALVES THAT DO NOT WORK.



SUCF PROJECT NO. 29393  
CRITICAL MAINTENANCE  
EXTERIOR ENVELOPE  
VISUAL ARTS #58

CAMPUS  
PURCHASE COLLEGE  
STATE UNIVERSITY OF NEW YORK  
735 ANDERSON HILL ROAD  
PURCHASE, NY 10577

CLIENT  
STATE UNIVERSITY CONSTRUCTION FUND  
353 BROADWAY  
ALBANY, NY 12246  
518.689.2605

ARCHITECT  
ROBERT SIEGEL ARCHITECTS  
37 WEST 37th STREET, 12th FLOOR  
NEW YORK, NY 10018  
212.921.5600  
www.robertsiegelarchitects.com

LIGHTING & ELECTRICAL  
WHITEHOUSE LIGHTING DESIGN  
4 TENNIS COURT ROAD  
MAHOPAC, NY 10541  
914.923.0021

ENVIRONMENTAL  
ADELAIDE ENVIRONMENTAL HEALTH ASSOCIATES  
1511 ROUTE 22 SUITE C24  
BREWSTER, NY 10509  
845.278.7710

WRITTEN SPECIFICATIONS ARE PART OF THESE DOCUMENTS.

PROJECT 0801  
DRAWN BY RFB  
DATE 1.27.2010  
SCALE AS NOTED  
DRAWING TITLE

NOTES, SCHEDULES & DETAILS

DRAWING NO.

M-100