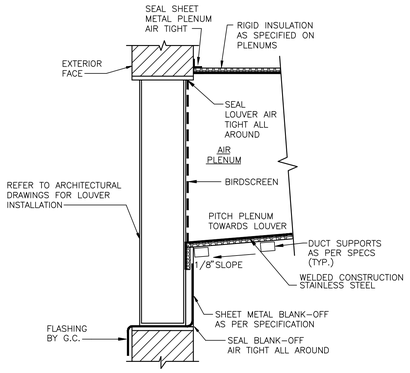
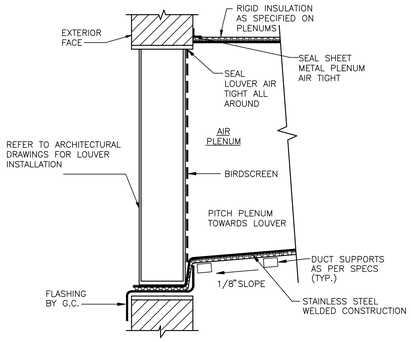




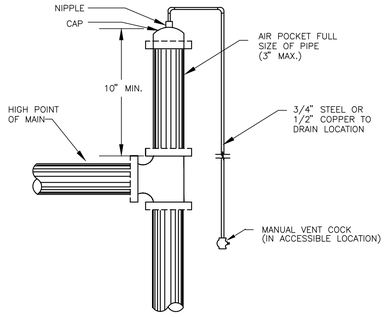
NOTES: 1. CONTRACTOR SHALL FILL PLENUM WITH 10 GALLONS OF WATER, AND VERIFY THAT THE WATER DRAINS THROUGH THE LOUVER TO THE EXTERIOR OF THE BUILDING.

2. PROVIDE DRAIN AT LOWEST POINT OF THE PLENUM. DRAIN SHALL HAVE A P-TRAP AND PIPED TO NEAREST FLOOR DRAIN.

3. PROVIDE CONTINUOUS HEAVY ANGLES AT TOP AND BOTTOM OF EACH LOUVER.

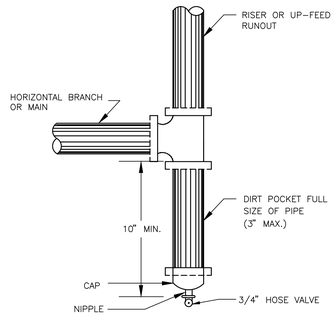
PLENUM CONNECTIONS TO LOUVERS-DETAIL

(NOT TO SCALE)



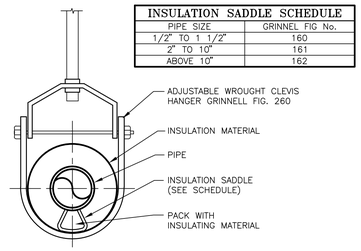
MANUAL AIR VENT DETAIL AT HIGH POINTS OF MAINS AND RISERS

(NOT TO SCALE)



DRAIN VALVE ARRANGEMENT AT LOW POINTS OF MAINS AND RISERS

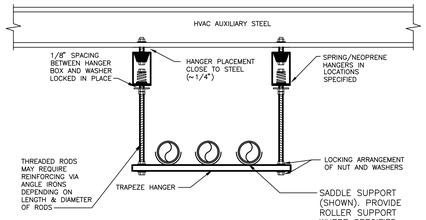
(NOT TO SCALE)



INSULATION SADDLE SCHEDULE	
PIPE SIZE	GRINNEL FIG No.
1/2" TO 1 1/2"	160
2" TO 10"	161
ABOVE 10"	162

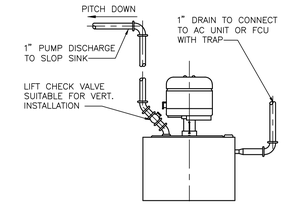
STEEL SADDLE FOR USE WITH HOT PIPING INSULATION

(NOT TO SCALE)



PIPING SUPPORTED ON TRAPEZE HANGER

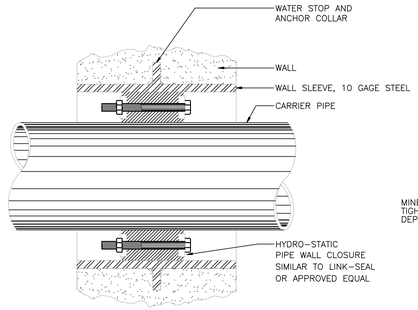
(NOT TO SCALE)



NOTES:
1. PUMP SHALL BE LOW PROFILE AND COME WITH BUILT-IN FLOAT SWITCH AND HIGH WATER CUT-OUT INTERLOCKED WITH AC UNIT OR FCU.
2. SUPPORT FOR CEILING CONDENSATE PUMPS SHALL BE THE SAME AS SHOWN FOR AC OR FAN COIL UNITS.

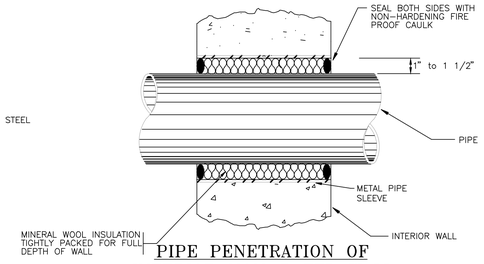
CONDENSATE PUMP DETAIL

(NOT TO SCALE)



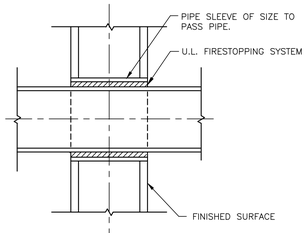
PIPE THRU FOUNDATION WALL PENETRATION DETAIL

(NOT TO SCALE)



PIPE PENETRATION OF INTERIOR NON-RATED WALL

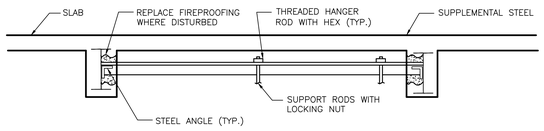
(NOT TO SCALE)



PIPE THRU RATED WALL OR FLOOR

(NOT TO SCALE)

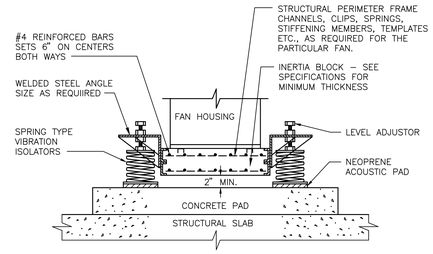
NOTE
FIRESTOP ALL PIPE PENETRATIONS IN ACCORDANCE WITH PUBLISHED U.L. STANDARD 1479 REQUIREMENTS, FOR THE RESPECTIVE WALL CONSTRUCTION, PIPE SIZE, PIPE MATERIAL AND INSULATION.



NOTES:
1. SUBMIT SHOP DRAWING OF SUPPLEMENTAL STEEL SUPPORT FOR REVIEW BY THE STRUCTURAL ENGINEER.

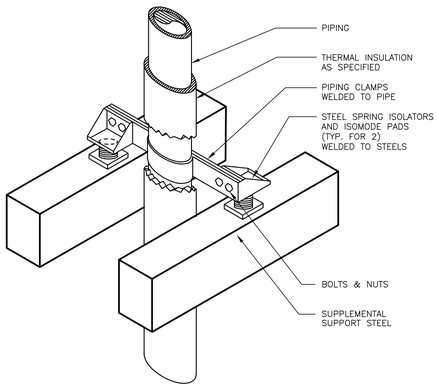
SUPPLEMENTAL STEEL SUPPORT FOR EQUIPMENT DETAIL

(NOT TO SCALE)



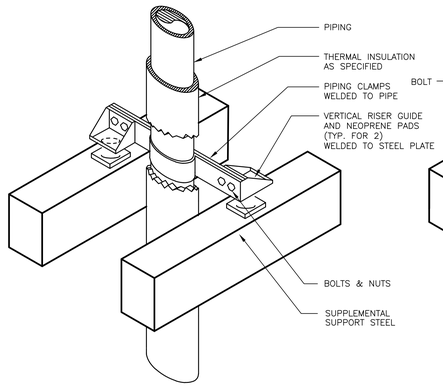
FANS MOUNTED ON INERTIA BASE

(NOT TO SCALE)



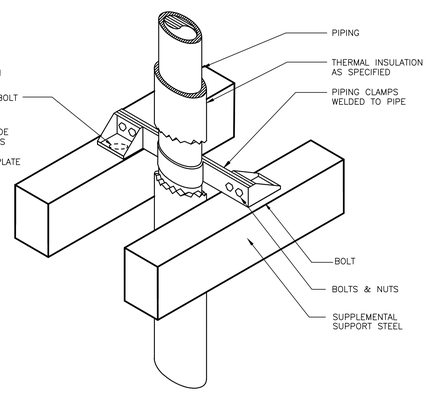
WATER RISER SUPORT DETAIL

(NOT TO SCALE)



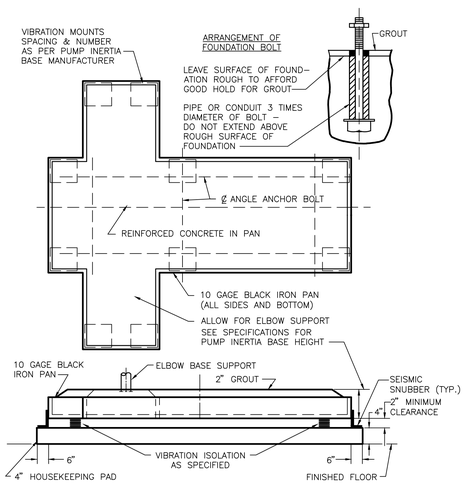
WATER RISER GUIDE DETAIL

(NOT TO SCALE)



DETAIL FOR ANCHORING PIPE

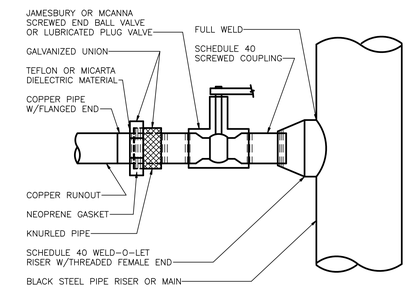
(NOT TO SCALE)



NOTES:
1. SEE VIBRATION ISOLATION SPECIFICATION FOR REQUIREMENTS.
2. CONCRETE BASE SHALL BE RECESSED TO RECEIVE SPRINGS WHERE REQUIRED.
3. BASE SHOWN IS FOR HORIZONTAL SPLIT CASE PUMP. FOR END SUCTION PUMP, PROVIDE RECTANGULAR BASE W/SAME CONSTRUCTION.

PUMP INERTIA BASE

(LARGER THAN 5 HP)
NOT TO SCALE



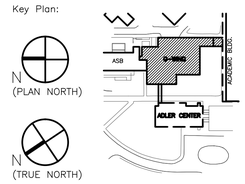
TRANSITION DETAIL FROM STEEL TO COPPER

(NOT TO SCALE)

RAMAPO COLLEGE OF NEW JERSEY

- OWNER:
  Ramapo College of New Jersey
  505 Ramapo Valley Road
  Mahwah, New Jersey 07430-1630
- CONSTRUCTION MANAGERS:
  Cambridge Construction Management
  335 East Main Street
  Somerville, NJ 08876
  908-253-9500
- ARCHITECT:
  Mitchell/Giurgola Architects, LLP
  630 Ninth Avenue, Suite 711
  New York, New York 10036
  212 663 4000
- MEP ENGINEER:
  Joseph R. Loring & Associates, Inc.
  21 Pennsylvania Plaza
  New York, NY 10001
  212 563 7400
- STRUCTURAL ENGINEER:
  Ysrael A Seinuk PC
  228 East 45th Street 2nd Floor
  New York, NY 10017
  212 687 2233
- LANDSCAPE ARCHITECT:
  Dirtworks, PC
  200 Park Avenue South
  New York, NY 10003
  212 529 2263
- SITE CIVIL ENGINEER:
  Langan Engineering
  619 River Drive Center 1
  Elmwood Park, NJ 07407-1338
  201 794 6900
- AV CONSULTANT
  Cerami & Associates
  404 Fifth Avenue
  New York, NY 10018
  212 370 1776

Key Plan:



Nº	DATE	COMMENTS
	6/8/12	DCA FILING
	7/19/12	ISSUED FOR BID
	1/15/13	ISSUED FOR CONSTRUCTION
	8/12/16	AS-BUILT CONSTRUCTION DOCUMENTS
ISSUE/REVISION		

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

Project:
G-WING RENOVATION & ADLER CENTER

Submission:
CONSTRUCTION DOCUMENTS

Drawing Title:
MECHANICAL DETAILS SHEET No.3

PROJECT Nº:	102700	DATE:	6/8/12
RCNJ PROJ. Nº:	08-240C	SCALE:	NOT TO SCALE

H7.03

P:\1.8227-000 Ramapo College-G Wing Existing Conditions and Programming Effort_Ramsey_NJ\1-CAD\MECH\G WING\8227 - H-703.dwg 02/21/2017 11:25 Last printed by: GARDYD