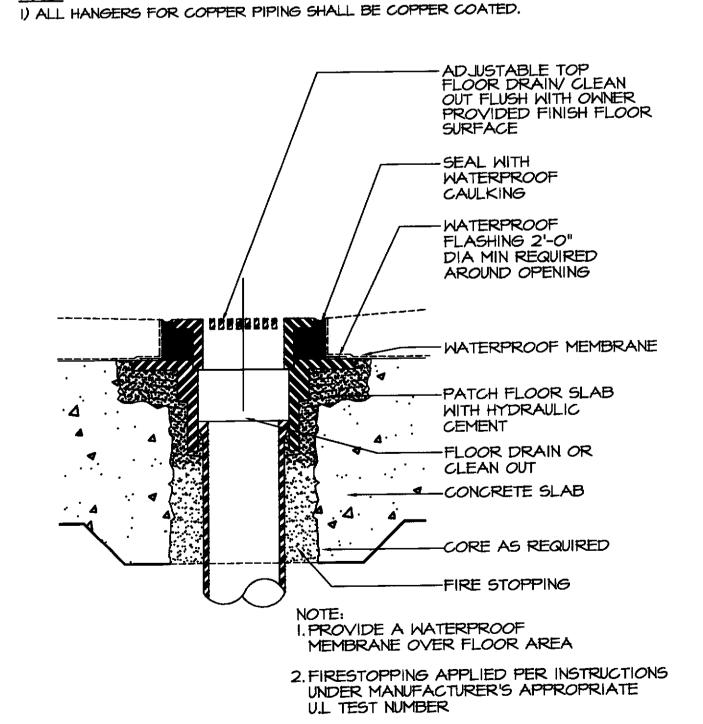
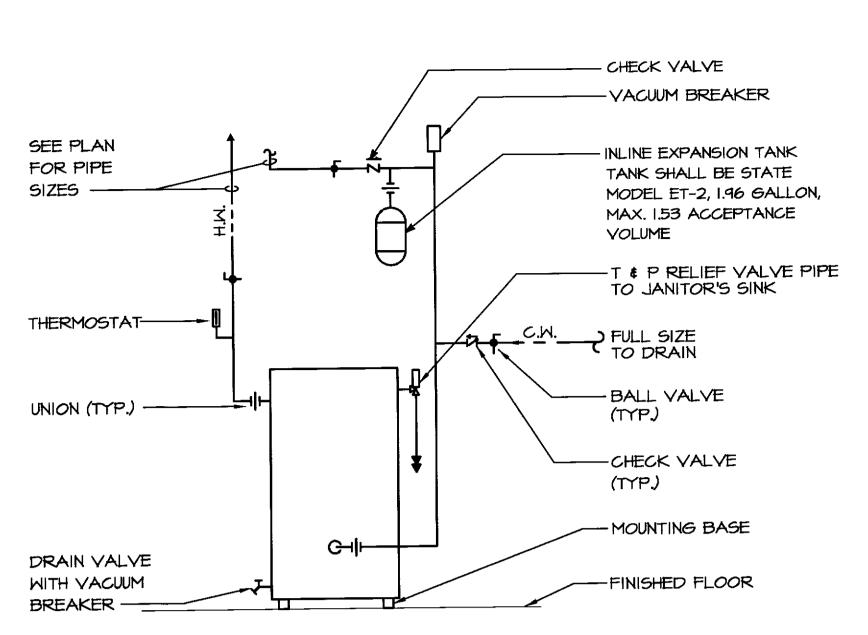


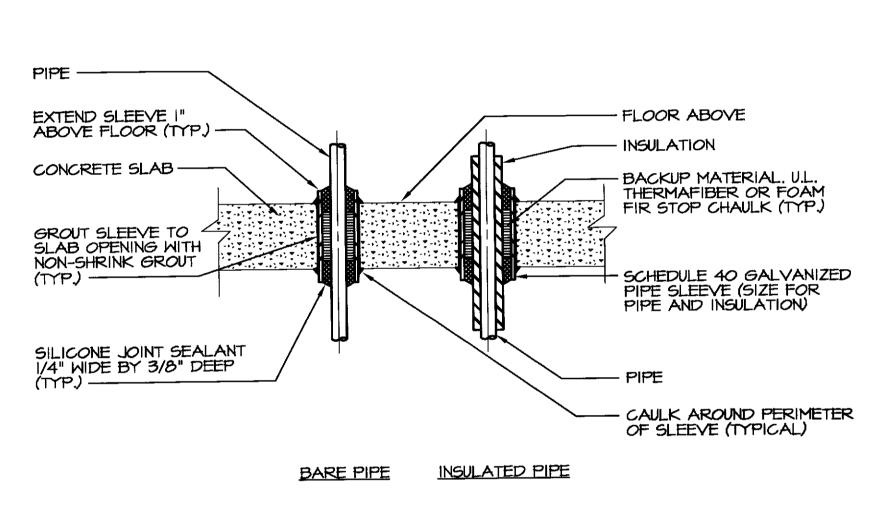
NO SCALE
NOTE:



TYPICAL FLOOR DRAIN DETAIL



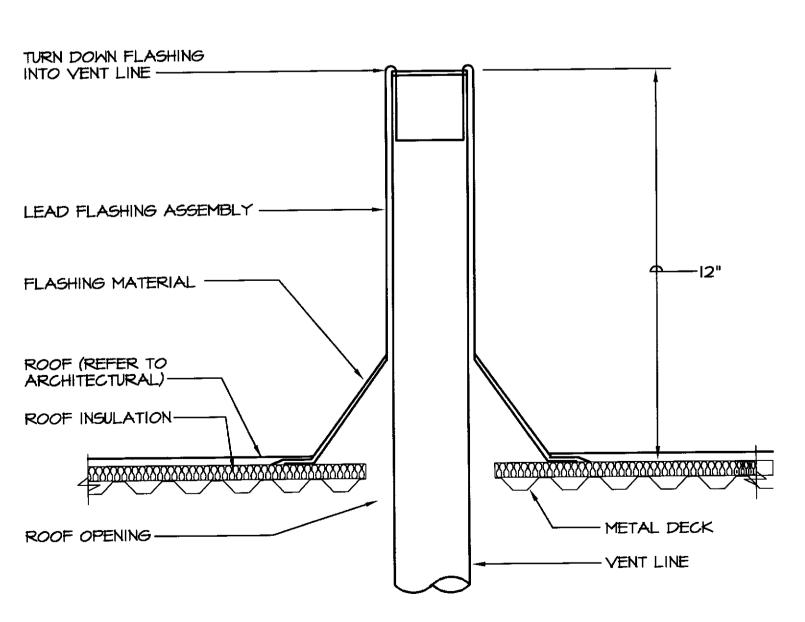
ELECTRIC MATER HEATER
PIPING SCHEMATIC
NO SCALE



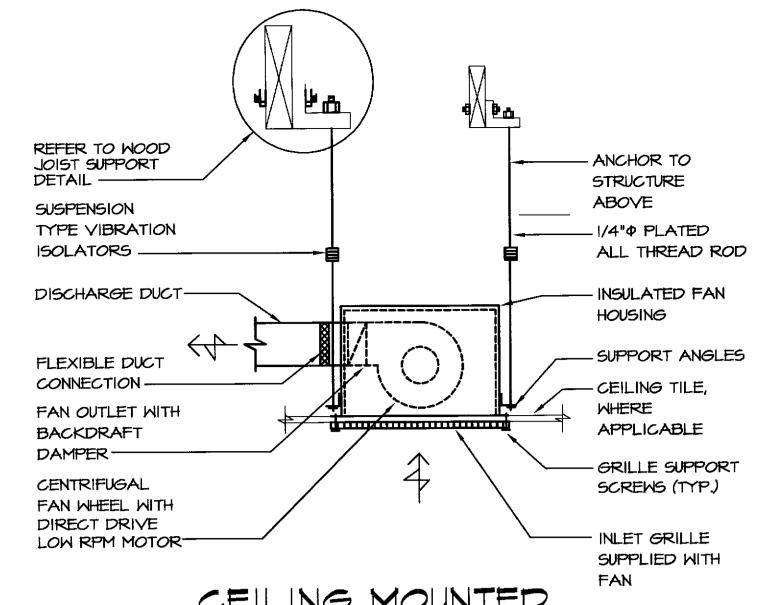
PIPE SLEEVE THRU CONCRETE SLAB DETAIL NO SCALE

I) AT THE CONTRACTORS' OPTION A U.L. LISTED/APPROVED FIRE STOP PIPE SLEEVE ASSEMBLY MAY BE SUBMITTED FOR APPROVAL.

NOTES



VENT PIPE THRU ROOF DETAIL

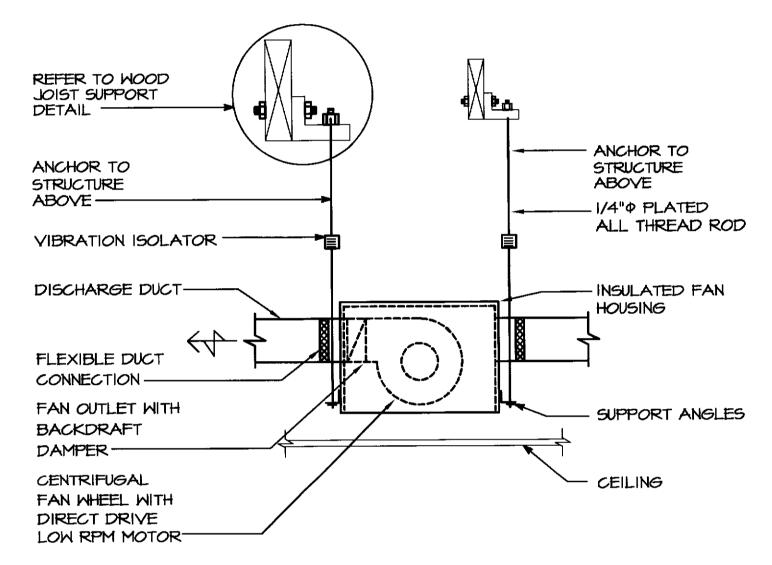


CEILING MOUNTED EXHAUST FAN DETAIL NO SCALE

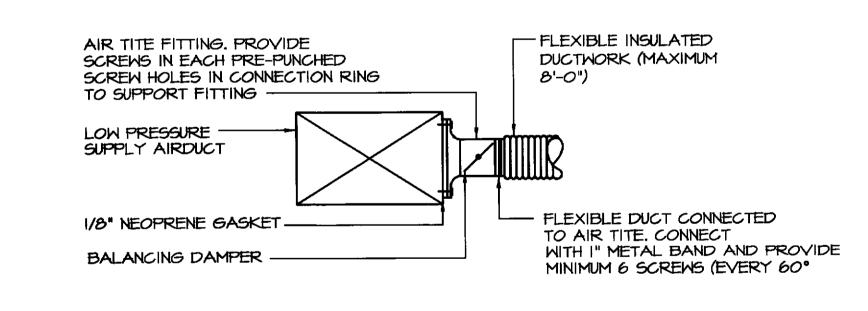
NOTE:

I) PROVIDE VARIABLE SPEED SWITCH ON THE SIDE OF THE CASING
FOR FINAL AIR BALANCE.

2) TOILET ROOM FAN SHALL HAVE 5 MINUTE TIME DELAY TO ALLOW FAN TO RUN AFTER LIGHTS ARE DE-ENERGIZED.



IN-LINE CEILING MOUNTED
EXHAUST FAN DETAIL
NO SCALE

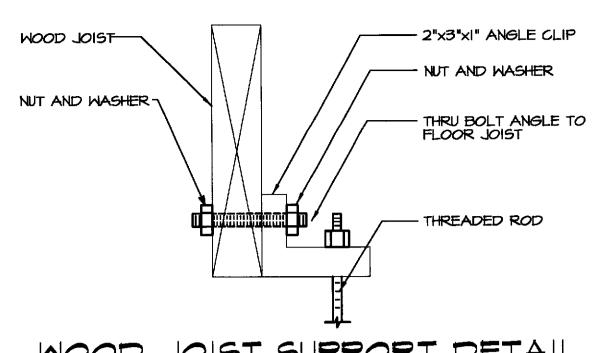


AIR TITE FITTING DETAIL NO SCALE

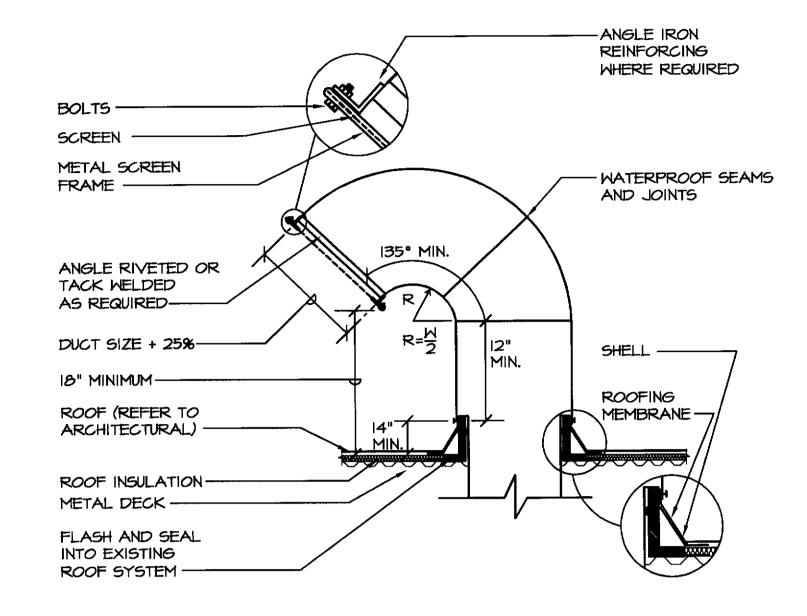
AIR TITE SIZE CHART			
DUCTSIZE	CONNECTION RING	DUCTSIZE	CONNECTION RING
5"	ව"	q "	12"
6"	q "	10"	13"
7"	10"]["	15"
8"	11"	12"	17"

NOTE:

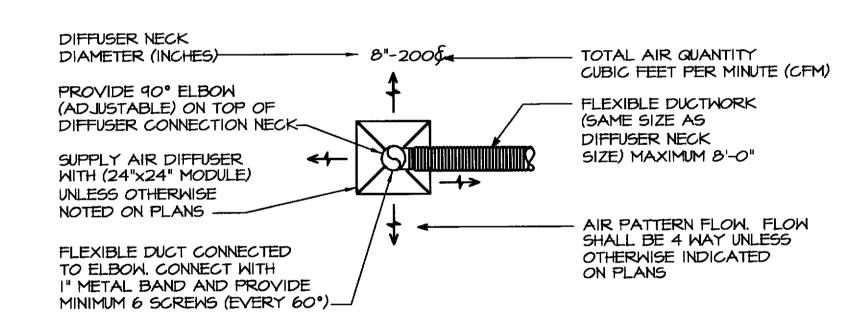
1) WHERE CONNECTION RING SIZE IS LARGER THAN SUPPLY DUCT, THEN
CONNECTION RING SHALL BE CRIMPED OVER DUCT AND CONNECTED,
SCREWED & SEALED ON TOP AND BOTTOM OF SUPPLY DUCT.



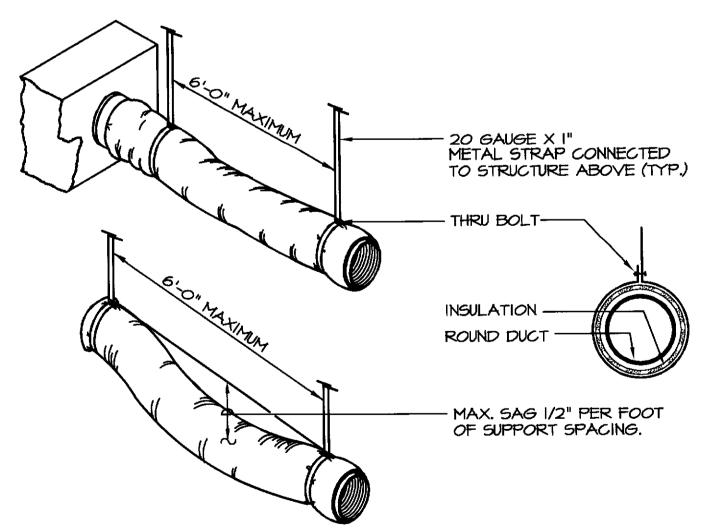
WOOD JOIST SUPPORT DETAIL



GOOSENECK THRU ROOF DETAIL



SUPPLY AIR DIFFUSER KEY



FLEXIBLE DUCT RUN-OUT
SUPPORT DETAIL
NO SCALE

NOTES:

I) FLEXIBLE DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM RECTANGULAR DUCT CONNECTION BEFORE BENDING.

2) FLEXIBLE DUCT SHOULD NOT EXCEED 8'-0" IN LENGTH.
USE RIGID ROUND DUCTWORK WHEN RUNOUTS EXCEED
8'-0".

REV# DATE DESCRIPTION

DON PENN
CONSULTING ENGINEERS
3950 HIGHWAY 360, SUITE 101
GRAPEVINE, TEXAS 76061
817-410-2858 FAX 817-251-8411

ENGINEERS ARCHITECTS

FREDRICK WARD ASSOCIATES, INC.

ENGINEERS P.O. Box 727, 5 South Main Street Bel Air, Maryland 21014-0727

ARCHITECTS Phone: 410-879-2090 or 410-838-7900 Fax: 410-893-1243

SURVEYORS Columbia, Maryland Warrenton, Virginia

TENANT RENOVATIONS FOR:

RIVERSIDE, CALIFORNIA

DATE 9/11/01

SCALE AS NOTED

DESTINED BY

DL1 SHEET 3 DF 5

DRAVING NO.

11 2011215.00

JLR# 1-100a

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