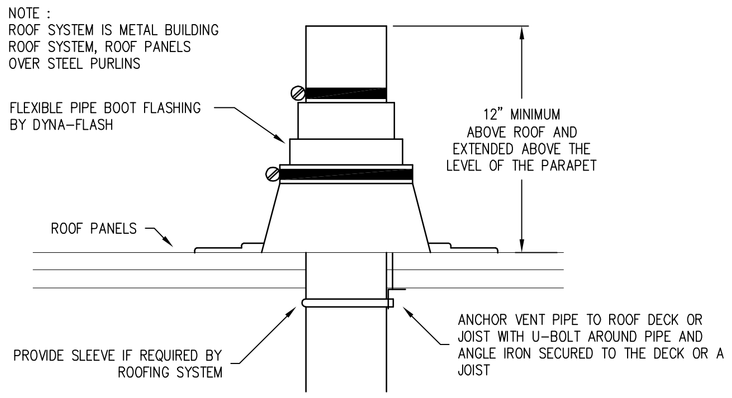
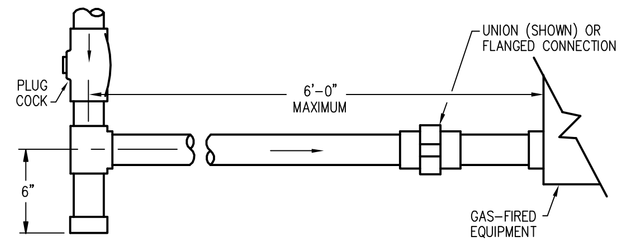


REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. FLASHING AND COUNTER FLASHING ARE TO BE COMPATIBLE WITH THE ROOFING SYSTEM.

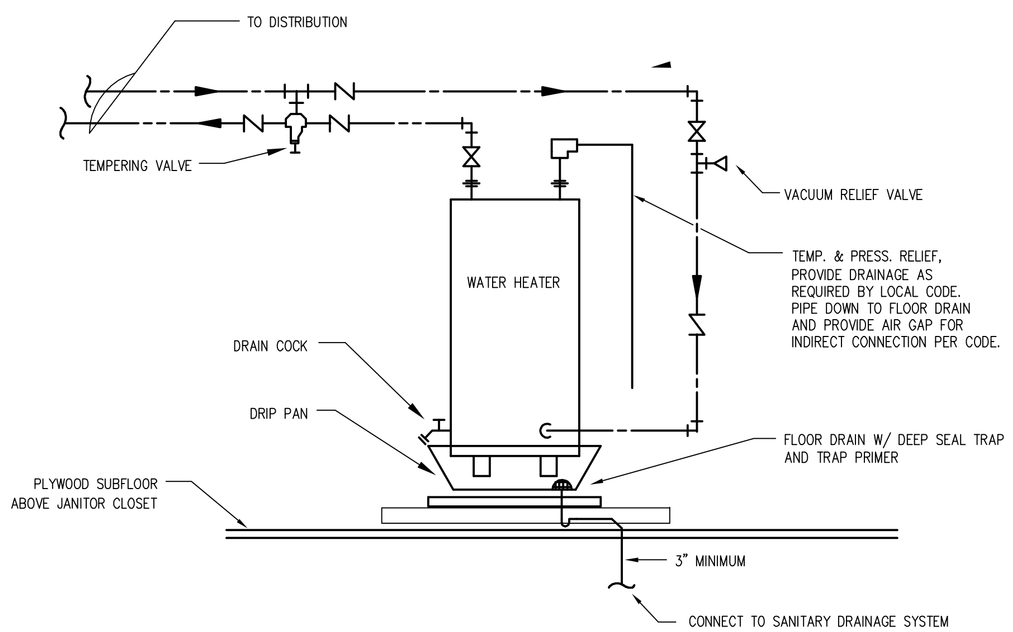
VENT THROUGH ROOF DETAIL

SCALE: NONE



GAS CONNECTION DETAIL

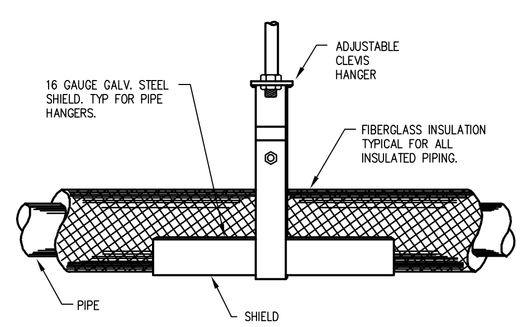
SCALE: NONE



WATER HEATER DETAIL

SCALE: NONE

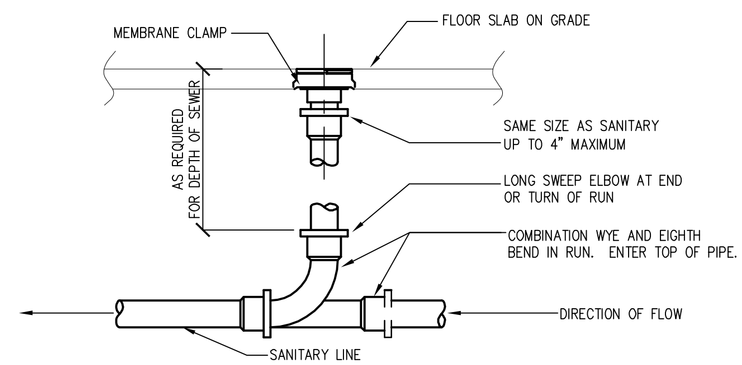
WATER PIPING (COPPER TYPE "L")				
PIPE SIZE	WEIGHT / FT. WITH WATER (IN LBS.)	MAX SPACING	LOAD / HGR	ROD SIZE
1/2"	.38	6'	2.28	3/8"
3/4"	.66	6'	3.96	3/8"
1"	1.04	6'	6.24	3/8"
1-1/4"	1.43	6'	8.58	3/8"
1-1/2"	1.92	10'	19.2	3/8"
2"	3.09	10'	30.8	3/8"
2-1/2"	4.52	10'	45.2	1/2"



TYPICAL PIPE HANGER DETAIL

SCALE: NONE

PROVIDE ROUND SECURED ADJUSTABLE TOP WITH "CO" ON COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS).



LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THEN 45', AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL (if applicable) PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

FLOOR CLEANOUT DETAIL

SCALE: NONE

–	–	Issued For Permit & Construction	6/03/09
–	–	Issued For Client Review	3/24/09
no.	by	description	date

revisions

New Shop & Office Building for
Shupper-Brickle Equipment Co.
11 Burnt Tavern Road
Millstone Township, NJ 08535
Block: 57
Lot: 14.01

BRIAN D. TANNENHAUS

NJ PROFESSIONAL ENGINEER
NO. GE 45801

DATE: June 3, 2009

BD engineering

NJ CERTIFICATE OF AUTHORIZATION – 24GA28116100
BD Engineering, LLC 732-886-5432
1825 Swarthmore Ave. Lakewood, NJ 08701
Project No. 080056

DRAWN BY:	CHECKED BY:	SCALE:
RS	BT	NONE

DRAWING TITLE

PLUMBING DETAILS

DRAWING NO.

P5.1