TO STRUCTURE — ABOVE ROOF

ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE

CONNECTIONS SHOWN IN EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY

CONNECTION LOCATIONS BEFORE INSTALLING PIPE RUINS. REFER TO SECRETICATIONS FOR PIPE

AND FITTING MATERIALS AND INSTALLATION. PROVIDE DELECTRIC UNION IF CONNECTING

DISSIMILAR METALS. FOR PIPE SIZE(S) REFER TO FLOOR PLANS, OR CODE REQUIREMENTS

FOR HACK UNIT TONNAGE. PROVIDE GAS COCK, UNION AND DIRT LEG SAME SIZE AS BRANCH

PIPE. SLOPE CONDENSATE PIPE AS MUCH AS POSSIBLE TOWARD DISCHARGE, 2% MINIMUM.

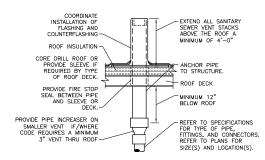
PROVIDE CLEANOURS IN ENDS AND TURNS OF PIPE PER LOCAL CODE REQUIREMENTS:

ADAPTER WITH THREADED CLEANOUT PLUS. OMIT CONDENSATE DRAIN ON MAKEUP AIR UNIT.

PROVIDE MINIMUM 6° CLEARANCE TO ROOF UNDER PIPES.

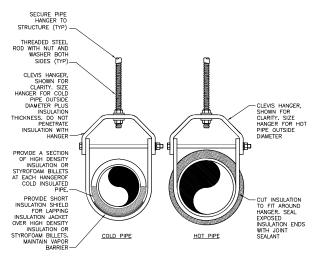
1 CONNECTIONS TO ROOF-TOP UNIT

4 NOT USED



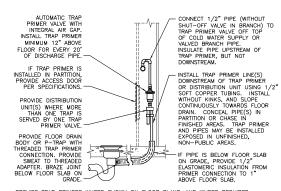
LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, TWENTY FIVE FEET FROM ANY OPENING OR FRESH AIR INTAKE IN MEDICAL FACILITIES AND ONE FOOT FROM ANY VERTICAL SURFACE. REFER TO LOCAL CODES FOR OTHER VENT TERMINATION FROM PROPERTY OF THE VENT THE VENT TO THE VENT TH

7 VENT THRU ROOF ("VTR")



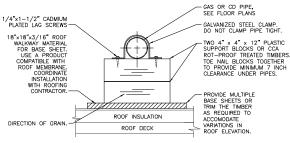
REFER TO SPECIFICATIONS FOR INSULATION TYPES, INSULATION THICKNESSES, HANGER TYPES, HANGER ROD CONNECTIONS TO SRUCTURE AND HANGER SPACING.

2 INSULATED PIPE HANGER DETAIL



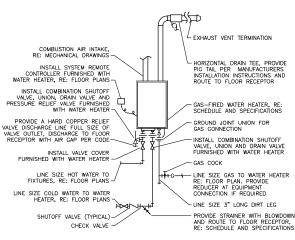
PROVIDE TRAP PRIMERS WHERE SHOWN ON FLOOR PLANS, AND WHERE REQUIRED BY LOCAL AUTHORITIES. PIPING ARRANGEMENT SHOWN IS SCHEMATIC: ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS AND PLUMBING FIXTURE SCHEDULE FOR MORE INFORMATION. INSTALL TRAP PRIMER VALVE AND DISTRIBUTION UNIT PER NAMOVACTURERS RECOMMENDATIONS.

5 TRAP PRIMER IN/OUT WALL



LOCATE SUPPORTS AT 4' SPACING FOR PLASTIC PIPE, & AT FOLLOWING SPACING FOR METAL PIPE: 5"=16' 4"=14' 3"=12' 2-1/2"=11' 2"=10' 1-1/2"=9' 1-1/4"=8' 1"=7' 3/4"=6' NACE A SUPPORT AS CLOSE AS POSSIBLE TO EACH ELBOW AND TEE. PLACE BASE SHEETS ON ROOFING BEFORE GRAVEL IF ANY. SET BLOCKS FREE ON BASE SHEETS, STACK BLOCKS AND NAIL THEM TOGETHER WHERE REQUIRED TO ELEVATE PIPING. INSTALL PIPE TO ALLOW FOR EXPANSION AND CONTRACTION.

8 SUPPORT OF PIPE ON ROOF

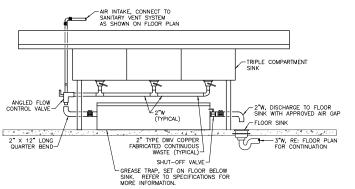


REFER TO SCHEDULE, SPECIFICATIONS AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. VERIFY ALL CONNECTION SIZES AND LOCATIONS PER MANUFACTURERS REQUIREMENTS. ADJUST TO SUIF FIELD CONDITIONS. REFER TO FLOOR PLANS FOR PIPE SIZES.

SINGLE INDOOR INSTANTANEOUS

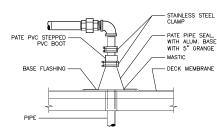
GAS WATER HEATER CONNECTIONS

NO SCALE



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS INSTALL TRAP AND SINK PER MANUFACTURER'S RECOMMENDATIONS. USE HUBLESS CAST IRON PIPE, FITTINGS AND CONNECTORS.

6 UTILITY SINK AND GREASE TRAP



9 GAS PIPE ROOF PENETRATION

6501 E. Greenway Pkwy #103-707 SCOTTSDALE, AZ 86254 P 480-297-5577 F 480-452-0122 www.neptunedesigngroup.com

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9222 POTRANCO ROAD SAN ANTONIO, TX 78251 (STORE TX-074)

Tropical CAFE

TSC: TX-074

REVISION

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DATE: 10.27.2017

REVIEW SET NOT FOR PERMIT

PLUMBING DETAILS