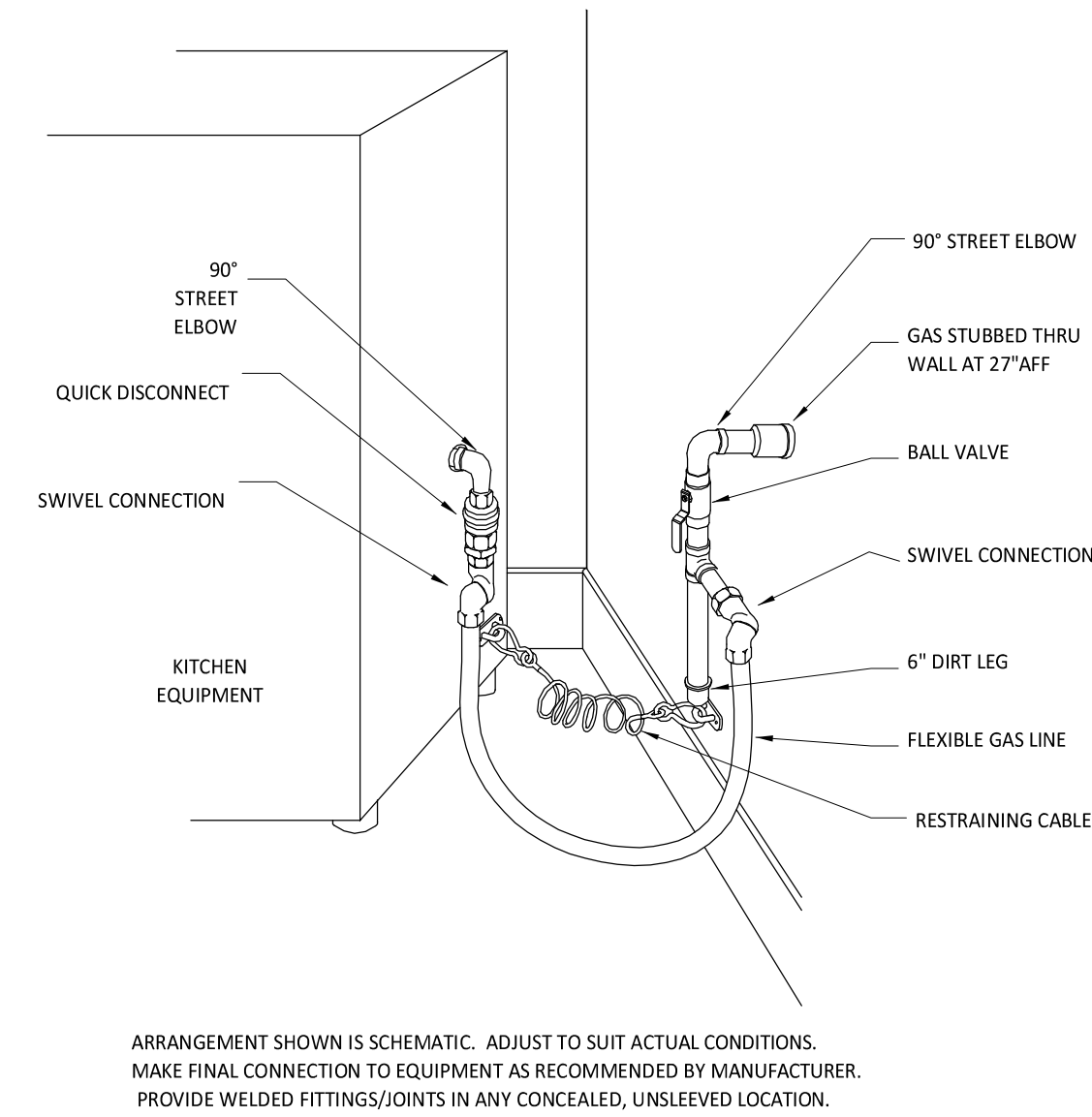


WATER HEATER DETAIL NOTES

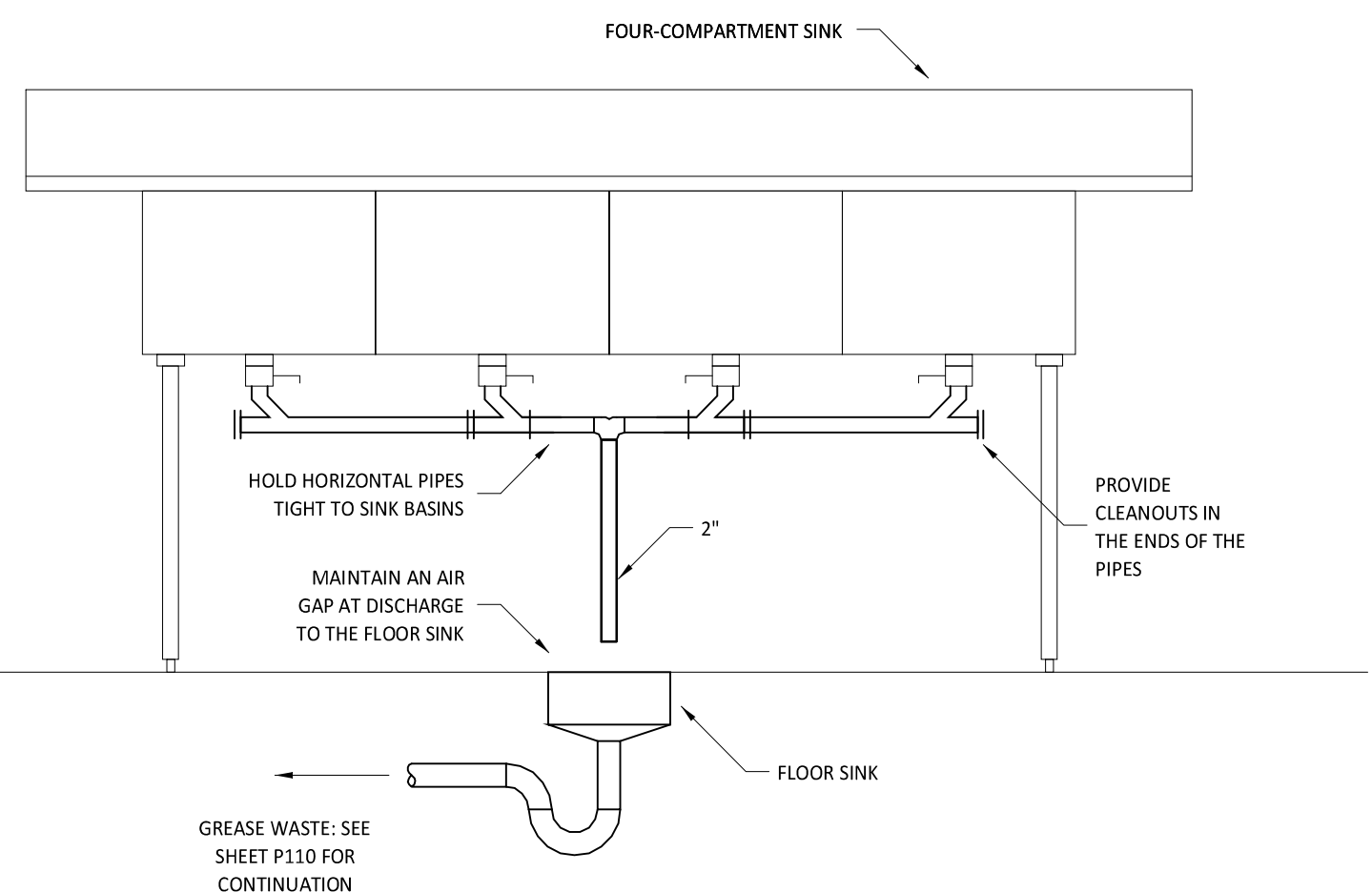
1. PROVIDE RAIN CAP AT FLUE/INTAKE TERMINATION THROUGH ROOF. TYPICAL FOR BOTH WATER HEATERS. ROUGH IN COLD, HOT, AND RECIRC WATER PIPES AT 56" AND GAS PIPE AT 59" BELOW THE FINISHED CEILING.
2. PROVIDE EXPANSION TANK ET-1 AS SHOWN. SUPPORT TANK FROM WALL OR STRUCTURE ABOVE. PROVIDE COMMUNICATION CABLE CONCEALED IN WALL BETWEEN WATER HEATERS.
3. PROVIDE PRESSURE RELIEF VALVE. PIPE PRESSURE RELIEF VALVE TO FLOOR DRAIN OR MOP BASIN. CONCEAL WATER PIPING WITHIN THE WALL AS SHOWN. INSULATE EXPOSED AND CONCEALED WATER PIPING TO WITHIN 3" OF THE WATER HEATERS.
4. INSTALL "PLUMB EASY VALVE SET" EXPOSED AT THE COLD AND HOT WATER CONNECTIONS TO THE WATER HEATERS AS SHOWN.
5. IF THE PIPE SIZES AS SHOWN ON THE PLUMBING PLANS IS LARGER THAN THE WATER HEATER CONNECTION SIZES, PROVIDE REDUCERS WITHIN 6" OF THE WATER HEATERS.
6. PIPE PRESSURE RELIEF VALVE DISCHARGES AND FLUE CONDENSATE DRAINS TO THE FLOOR DRAIN OR MOP BASIN. DRAIN THROUGH AN AIR GAP.
7. PROVIDE AN EXPOSED DRIP LEG AND LINE SIZE GAS VALVE ON THE GAS SERVICE TO THE WATER HEATER. CONCEAL GAS PIPING IN THE WALL AS SHOWN.
8. PROVIDE 1/2" CLEAR PLASTIC TUBE FROM THE FLUE CONDENSATE CONNECTIONS TO THE FLOOR DRAIN OR MOP BASIN. FASTEN THE TUBE SECURELY TO THE WALL.
9. INSTALL THE TANKLESS WATER HEATERS WITH THE TOP OF THE WATER HEATERS WITHIN 12" OF THE FINISHED CEILING.
10. PROVIDE A 3"Ø PVC PIPE FROM THE TANKLESS WATER HEATER TO THE POINT OF DISCHARGE. SLOPE HORIZONTAL SECTION OF THE FLUE 1/4" PER FOOT TOWARDS THE DRAIN TEE.
11. PROVIDE A 3"Ø PVC INTAKE PIPE.
12. CONCEAL DRAIN LINES IN WALL PER DETAIL 13/THIS SHEET.



KITCHEN GAS EQUIPMENT DETAIL

ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. PROVIDE WELDED FITTINGS/JOINTS IN ANY CONCEALED, UNSLEEVED LOCATION.

2 P300 N.T.S.



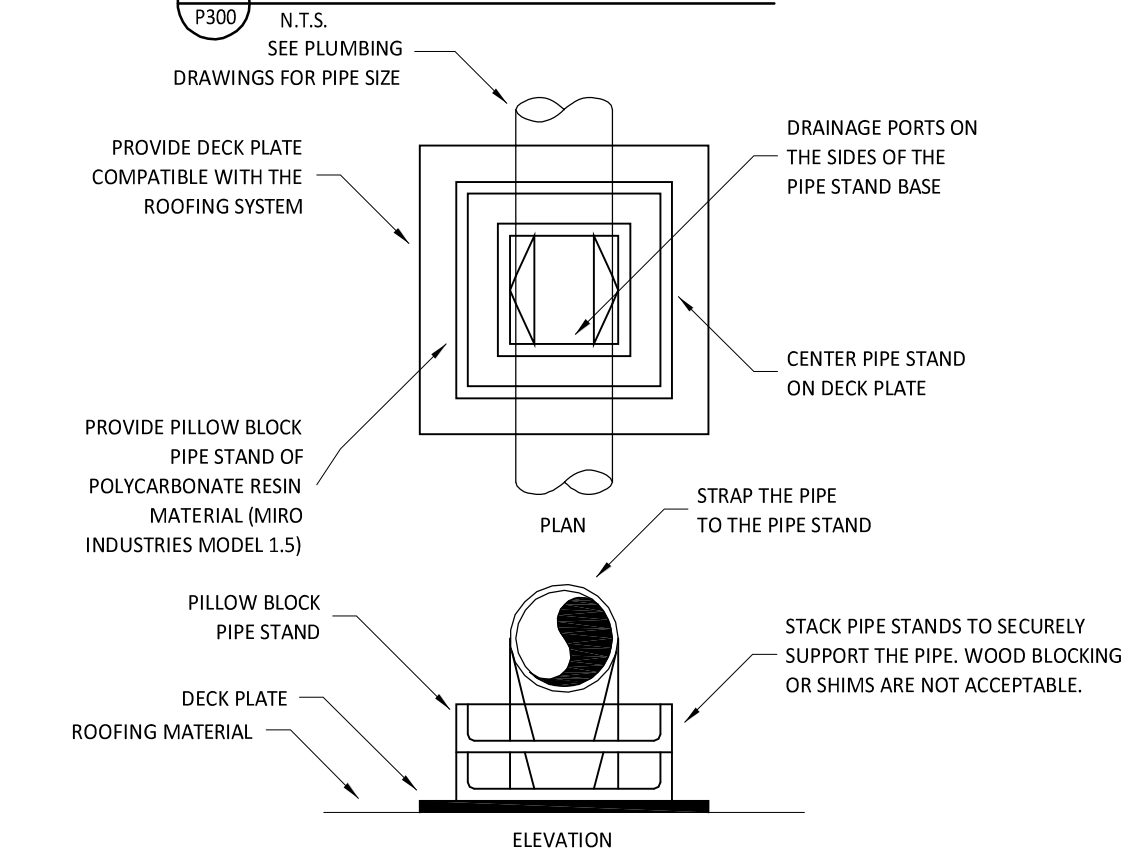
WARE-WASHING SINK DETAIL

4 P300 N.T.S.

WATER HEATER INSTALLATION NOTES

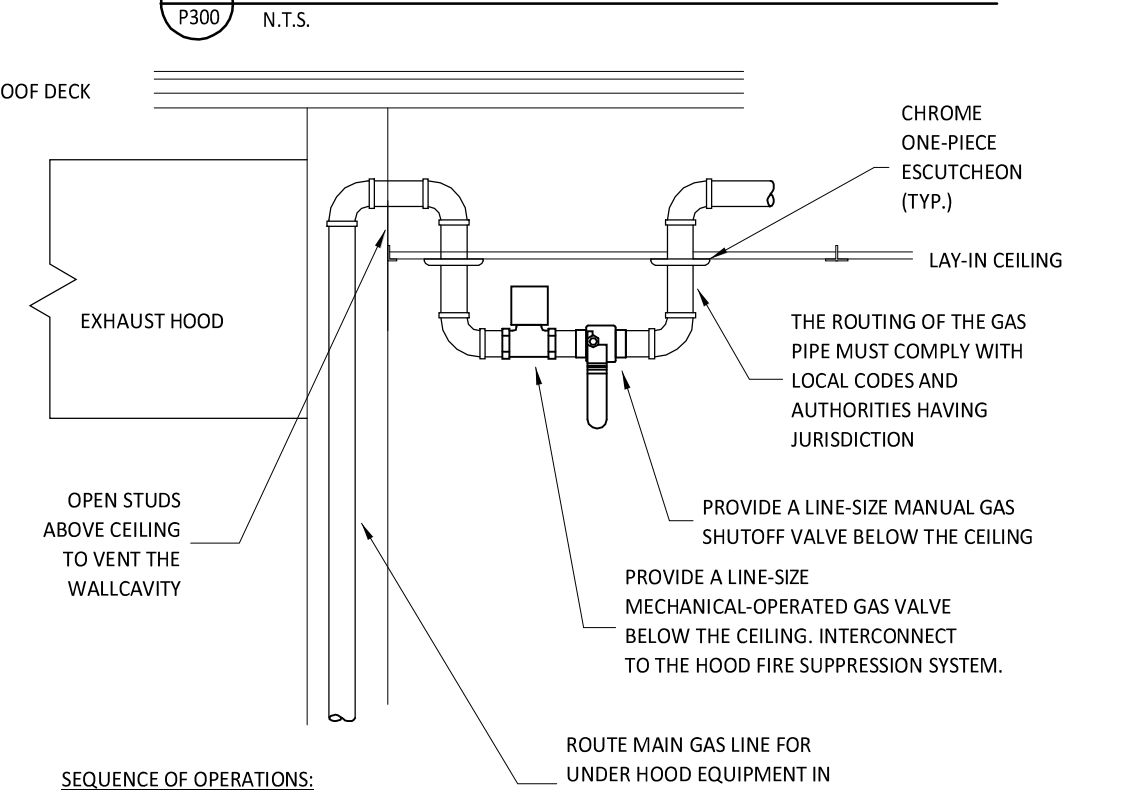
- CLEAN INLET STRAINERS AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO TURNOVER OF THE BUILDING TO THE OWNER.
- INSTALL PIPING WITH AS FEW ELBOWS AS POSSIBLE.
- MAINTAIN REQUIRED CLEARANCES TO COMBUSTIBLE MATERIALS.
- SEE ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT.
- ADJUST WATER HEATER TO A SETPOINT OF 120°F.

WATER HEATER DETAIL



PROVIDE PIPE STANDS AS SHOWN FOR STEEL PIPE FROM 1/2" TO 1-1/2" DIAMETER. SUPPORT SPACING FOR PIPE SIZE: 1/2"-60; 3/4"-36; 1 1/4" AND LARGER-18". PROVIDE DECK PLATES ON ROOFING AND SET PIPE STAND FREE ON DECK PLATES. STACK PIPE STAND WHERE REQUIRED TO ELVATE PIPING. INSTALL GAS PIPE TO ALLOW FOR EXPANSION AND CONTRACTION. PRIMER COAT AND PAINT EXTERIOR GAS PIPE. GAS PIPE ON THE ROOF SHALL BE PAINTED YELLOW AND GAS PIPE INSTALLED EXPOSED ON EXTERIOR WALLS SHOULD BE PAINTED TO MATCH THE WALL FINISH.

ROOFTOP PIPING SUPPORT

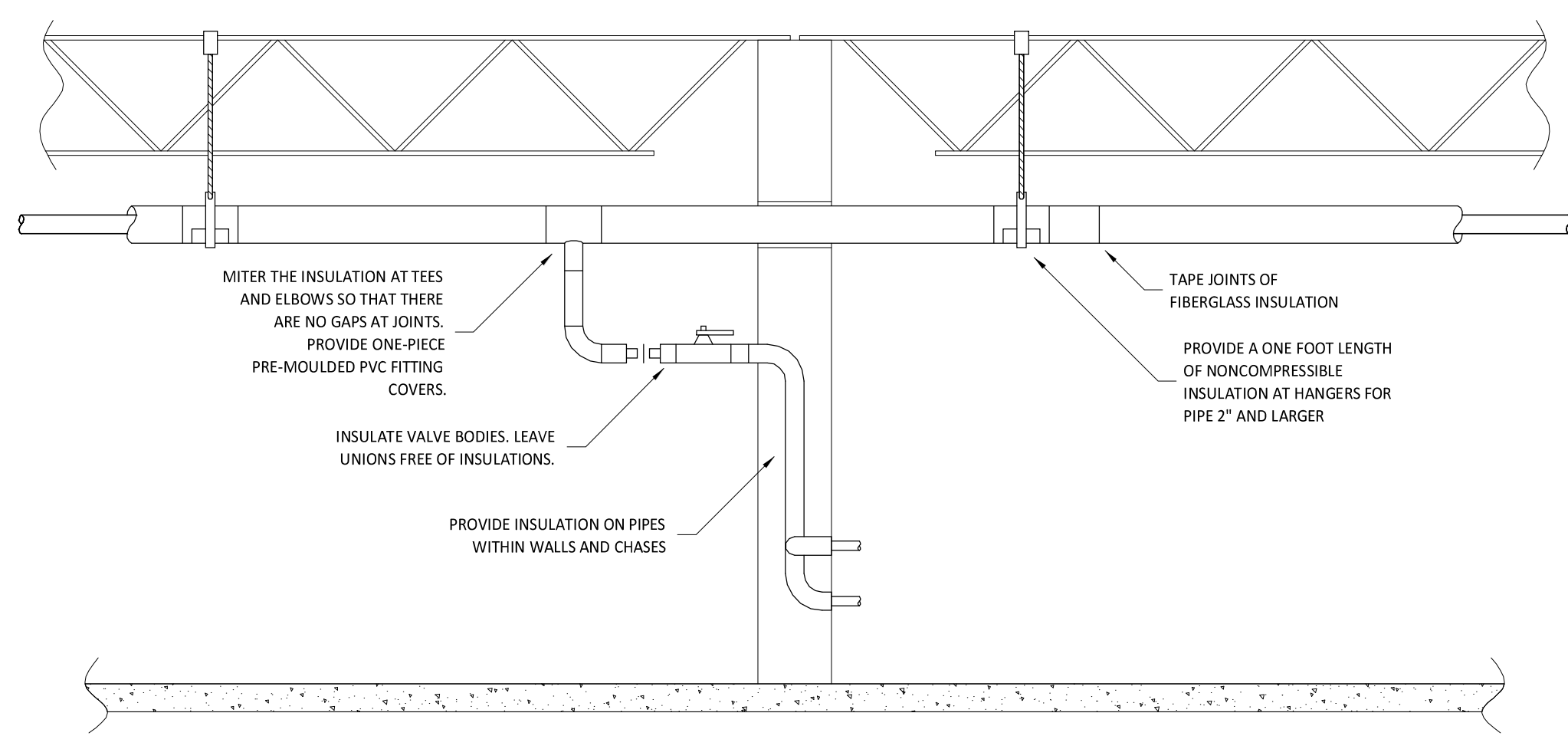


SEQUENCE OF OPERATIONS:

- NORMAL MODE:**
- WHEN HOOD FAN IS ENERGIZED SOLENOID VALVE IS TO OPEN.
 - ON A LOSS OF POWER OR IF THE FAN IS DE-ENERGIZED THE VALVE IS TO CLOSE.
- EMERGENCY MODE:**
- UPON ACTUATION OF THE FIRE SUPPRESSION SYSTEM OR A SIGNAL FROM THE FIRE ALARM, THE SOLENOID VALVE IS TO CLOSE

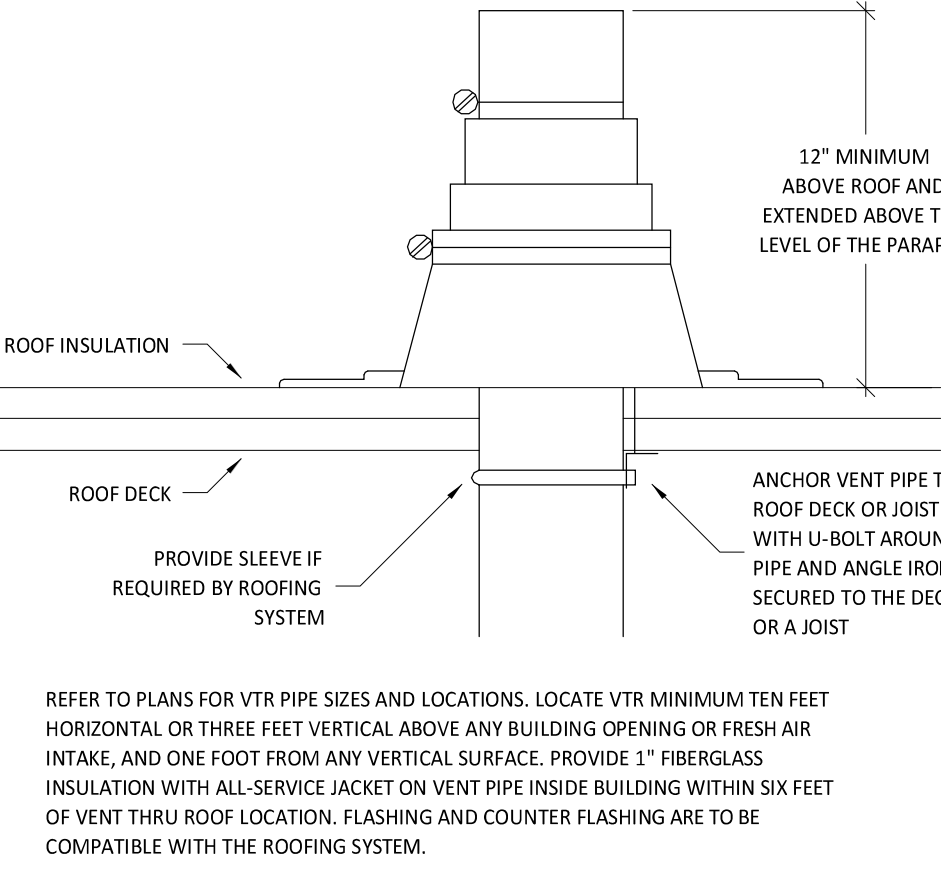
KITCHEN GAS SHUTOFF DETAIL

10 P300 N.T.S.



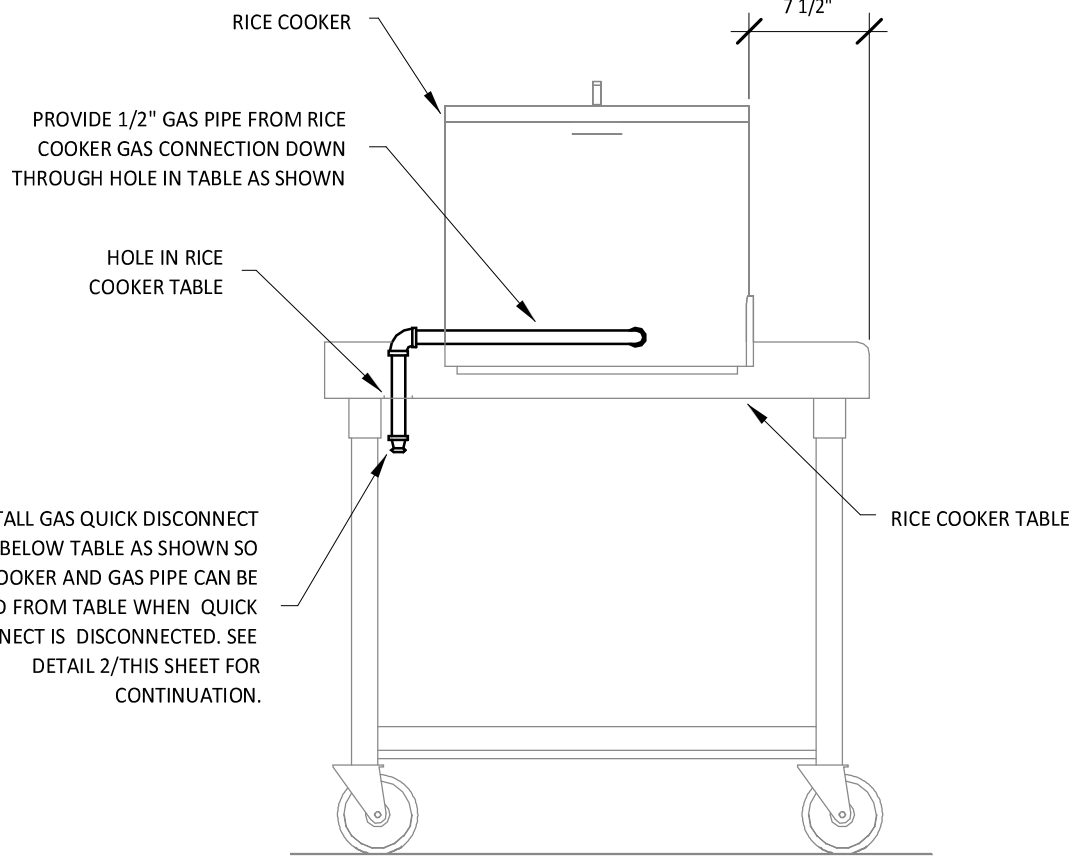
PIPE INSULATION DETAIL

6 P300 N.T.S.



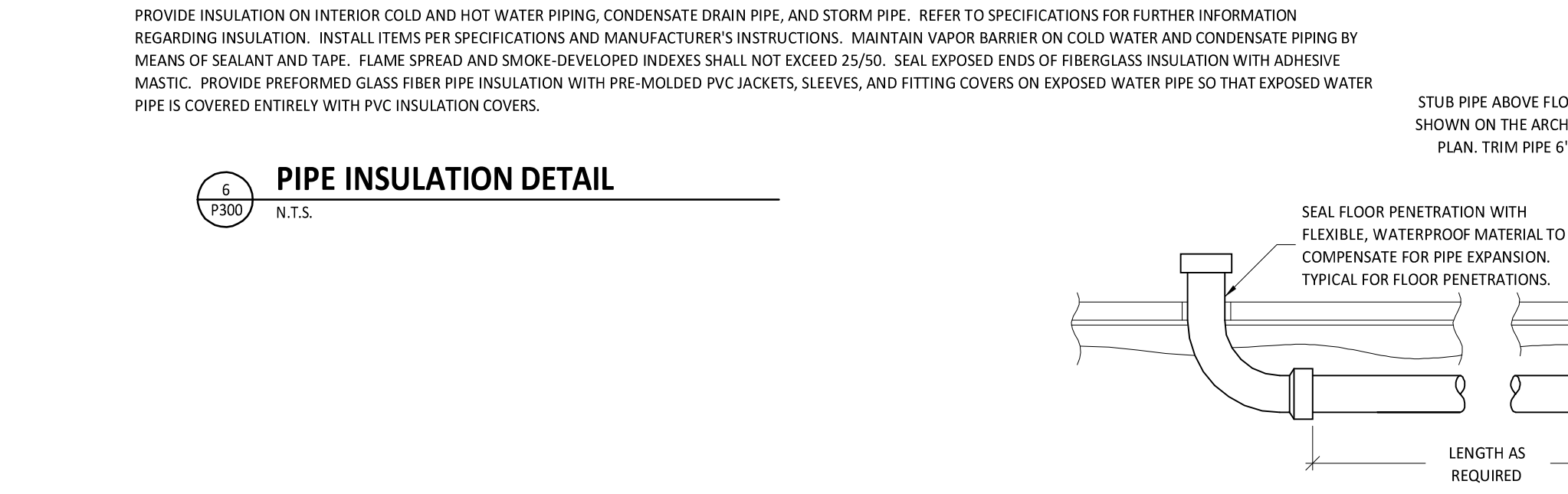
VENT THROUGH ROOF

8 P300 N.T.S.



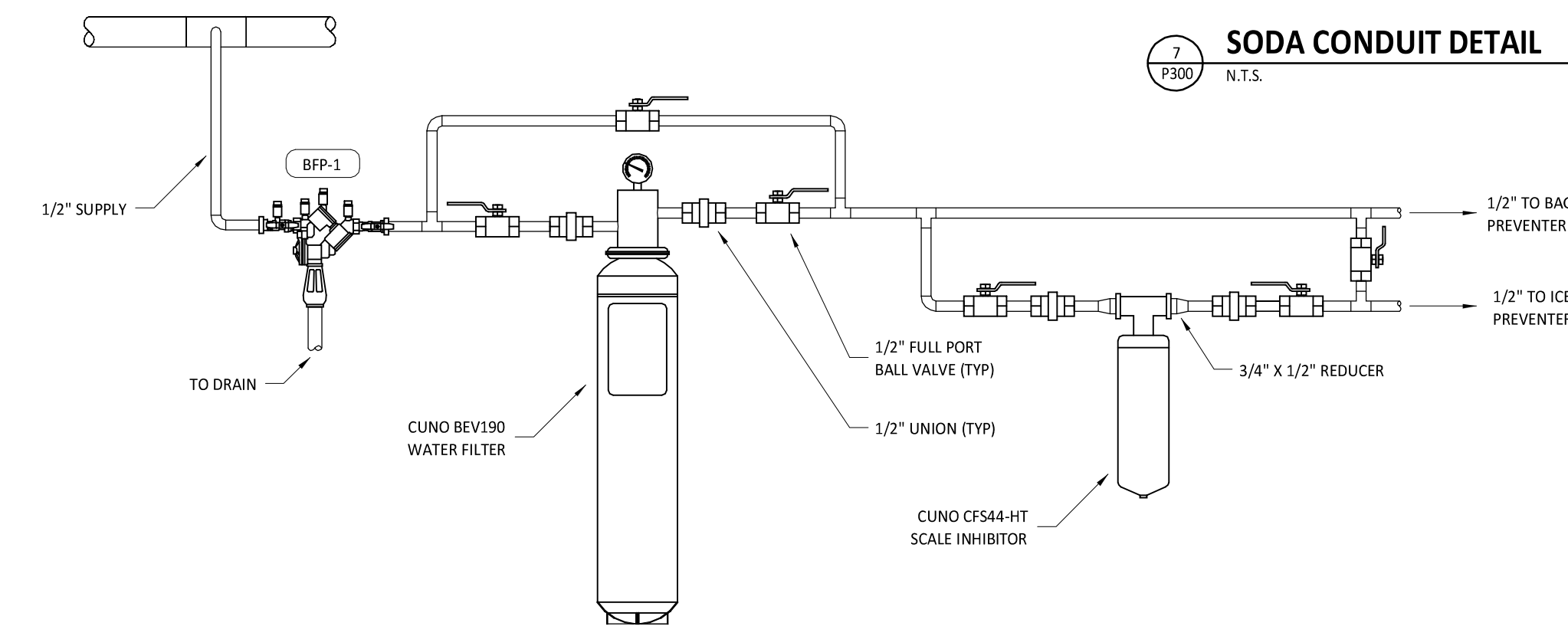
RICE COOKER GAS CONNECTION DETAIL

9 P300 N.T.S.



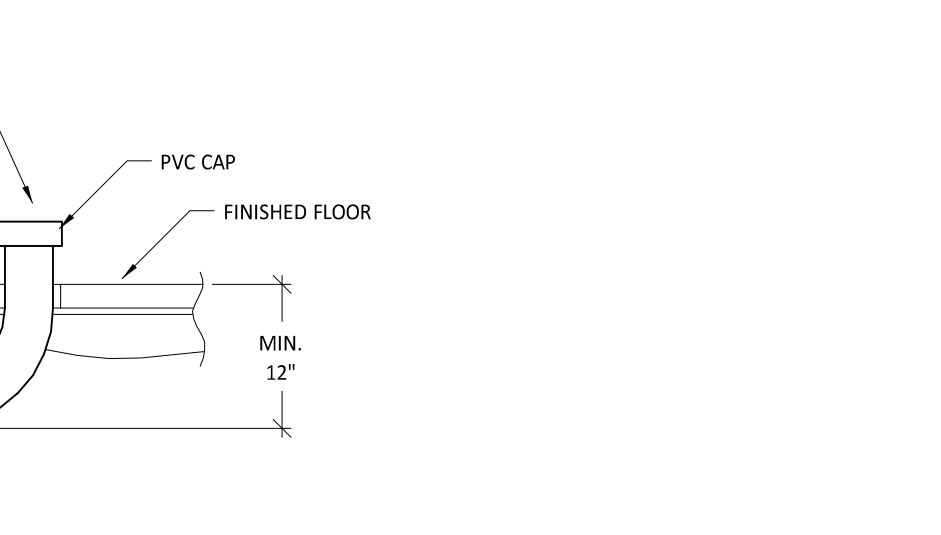
SODA CONDUIT DETAIL

7 P300 N.T.S.



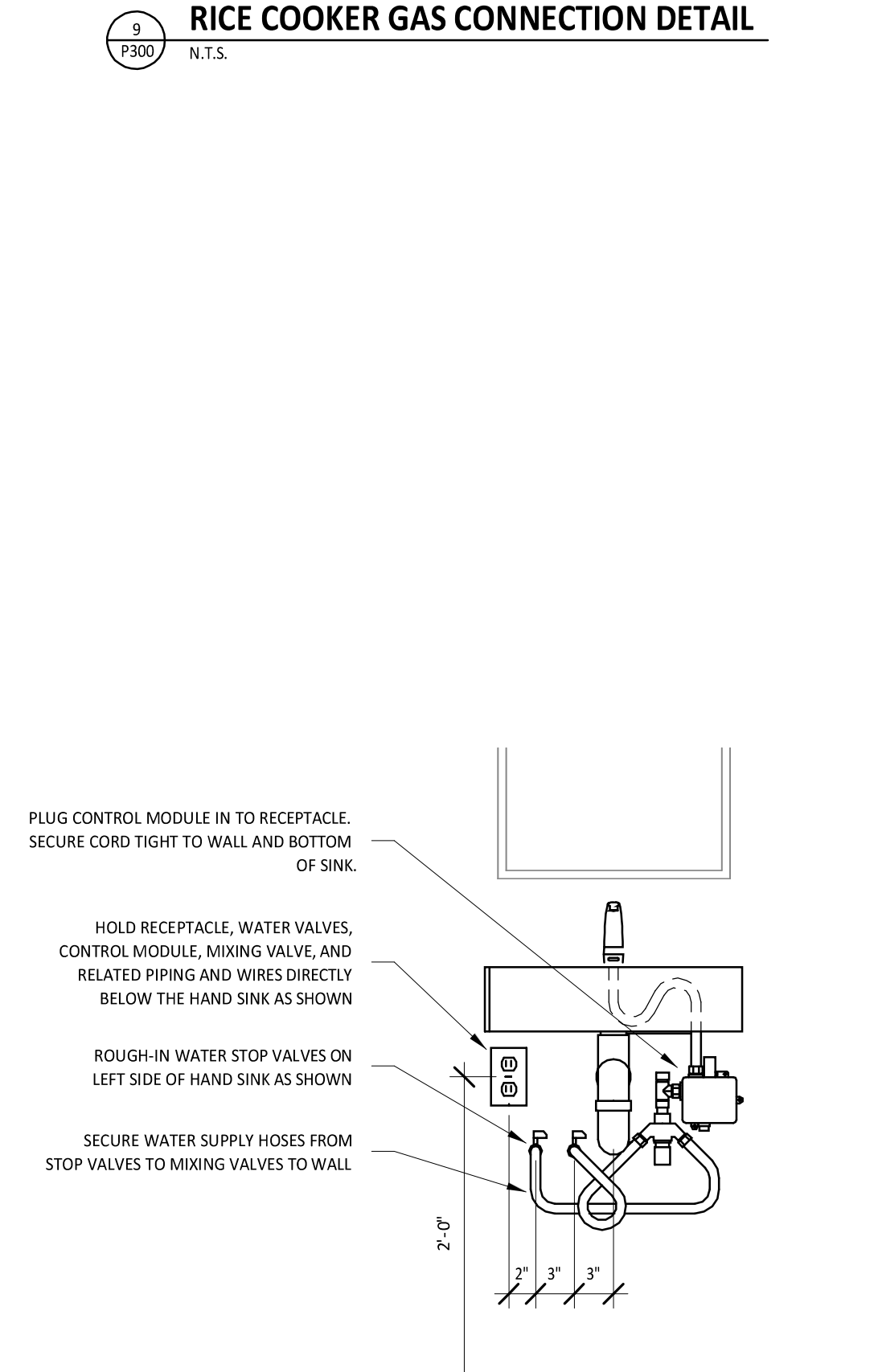
WATER FILTRATION DETAIL

11 P300 N.T.S.



INDIRECT WASTE PIPING DETAIL

12 P300 N.T.S.



RESTROOM HAND SINK DETAIL

13 P300 N.T.S.



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Plumbing Details

P300