PLUMBING GENERAL NOTES

1. ALL PIPING SHALL BE ROUTED ABOVE CEILING UNLESS OTHERWISE INDICATED. ALL PIPING EXPOSED TO VIEW SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO THE UNDERSIDE OF STRUCTURE.
2. ALL PIPING SHALL BE CONCEALED IN WALLS AND BEHIND FIXED FURNISHINGS UNLESS OTHERWISE INDICATED.
3. EXPOSED PIPING IN FINISHED AREAS SHALL BE CHROME PLATED WITH CHROME PLATED ESCUTCHEON AT PIPE ENTRY TO FINISHED AREA.
4. SLEEVE OR CORE-DRILL FLOOR SLABS, WALLS, ETC. AS REQUIRED FOR PIPING AND FIRE-STOP OPENING AROUND PIPE. VERIFY LOCATION OF STRUCTURAL BEAMS, JOISTS, ETC. BEFORE DRILLING.
5. ALL OPENINGS IN DRAINAGE AND/OR VENT SYSTEMS AS A RESULT OF INSTALLATION ROUGH-IN SHALL BE PROTECTED WITH A TEST PLUG THAT IS SECURELY LOCKED IN PLACE UNTIL FINAL FINISHED CONNECTIONS ARE INSTALLED.
6. WHEREVER FOUNDATION WALLS, OUTSIDE WALLS, ROOFS, ETC. ARE PENETRATED FOR INSTALLATION OF SYSTEMS, THEY SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED WEATHER TIGHT.
7. PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPES THEY SERVE.
8. ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETC. ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.
9. ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION.
10. INSTALL ALL PIPING AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK INCLUDING DUCTS AND ELECTRICAL CONDUIT.
11. PROVIDE AN ISOLATING, DIELECTRIC UNION AT ALL CONNECTIONS BETWEEN FERROUS AND NONFERROUS PIPING.
12. PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.
13. FIELD VERIFY LOCATION OF EXISTING SERVICES TO BE REUSED OR CONNECTED TO AND REPORT TO ARCHITECT/ENGINEER IF OTHER THAN THAT WHICH IS INDICATED ON DRAWINGS.
14. COORDINATE LOCATION OF FLOOR DRAINS IN MECHANICAL ROOMS WITH MECHANICAL EQUIPMENT.
15. COORDINATE ELECTRICAL VOLTAGES WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING ANY EQUIPMENT.
16. COORDINATE FIXTURE TYPES WITH THE ARCHITECTURAL DRAWINGS. AREAS DESIGNATED FOR USE BY THE HANDICAPPED SHALL BE SUPPLIED WITH FIXTURES AND TRIM AS SET FORTH IN THE "AMERICANS WITH DISABILITIES ACT"(ADA).

ADA COMPLIANCE

1. VERIFY FIXTURES THAT ARE INTENDED FOR HANDICAP USE WITH CURRENT ARCHITECTURAL DRAWINGS.
2. PLUMBING FIXTURES DESIGNATED FOR HANDICAP USE SHALL COMPLY WITH ADA AND ALL STATE, CITY, AND LOCAL REQUIREMENTS PERTAINING TO HANDICAP ACCESSIBILITY.
3. FIXTURE INSTALLATION SHALL COMPLY WITH ADA AND ANY STATE, CITY, AND LOCAL REQUIRMENTS PERTAINING TO HANDICAP ACCESSIBILITY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ADA AND ALL STATE, CITY, AND LOCAL REQUIREMENTS PERTAINING TO PLUMBING FIXTURES AND PLUMBING FIXTURE INSTALLATION FOR USE BY THE HANDICAPPED.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER, MODEL NUMBER	FITTINGS/ACCESSORIES	REMARKS	FIXTURE CONNECTIONS			
					CW	HW	WASTE	VENT
W-1	WATER CLOSET ELONGATED, TANK TYPE ADA	AMERICAN STANDARD 2998.012 CADET II EL	SEAT: CHURCH #9500C	ELONGATED, 1.6 GPF, ADA	1/2"		4"	1-1/2"
L-1	LAVATORY WALL HUNG ADA	AMERICAN STANDARD 0355.012 "LUCERNE"	AMERICAN STANDARD "COLONY" GRID DRAIN WITH OFFSET TAILPIECE 2175.200	WALL HUNG 4" CENTERS, SINGLE LEVER FAUCET CONCEALED ARM SUPPORT	1/2"	1/2"	1-1/4"	1-1/2"
S-1	SINK SINGLE COMPARTMENT	JUST SL-2219-B-GR	FAUCET: CHICAGO FAUCET #895-317	GOOSENECK & WRISTBLADES	1/2"	1/2"	1-1/2"	1-1/2"
UB-1	ICE MAKER CONNECTION BOX	GUY GRAY BIM-875			1/2"	---	---	---
FD	FLOOR DRAIN	"J.R. SMITH" 2005	FINISHED AREAS W/ TRAP PRIMER		---	---	3"	2"
FS	FLOOR SINK	"J.R. SMITH" 3004	TRAP PRIMER, PARTIAL GRATE ACID RESISTANT	DIALYSIS INDIRECT WASTE 8"X8" OPENING	---	---	3"	2"
NFWH	NON-FREEZE HOSE BIBB	"WOODFORD" B65 SERIES			3/4"	---	---	---
EWC-1	WATER FOUNTAIN	HALSEY TAYLOR OVL-8	PROVIDE HALSEY TAYLOR SJ1-Q REMOTE CHILLER ABOVE CEILING		1/4"	---	2"	2"

GAS WATER HEATER SCHEDULE

MARK	MANUFACTURER/MODEL	STORAGE	RECOVERY	INPUT, BTUH	FLUE	INLET/OUTLET	GAS CONN.	ELECTRICAL	REMARKS
WH-1	A.O. SMITH BTH 250	100	242	240MBH	8"	1"	3/4"		

PUMP SCHEDULE

MARK	SERVICE	MANUFACTURER/ MODEL #	HP	VOLTS	RPM	REMARKS
CP-1	RE-CIRC	BELL&GOSSETT SERIES 100	1/12	115	1725	HOUSE KEEPING

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5/18/07

DATE	REVISION
04.24.07	DD MEETING
05.18.07	ISSUE FOR CONSTRUCTION

PROJECT NO.
161.05.01
DATE:
05.18.07
DRAWING TITLE:
PLUMBING GENERAL NOTES
LEGEND & SCHEDULES

P1.10

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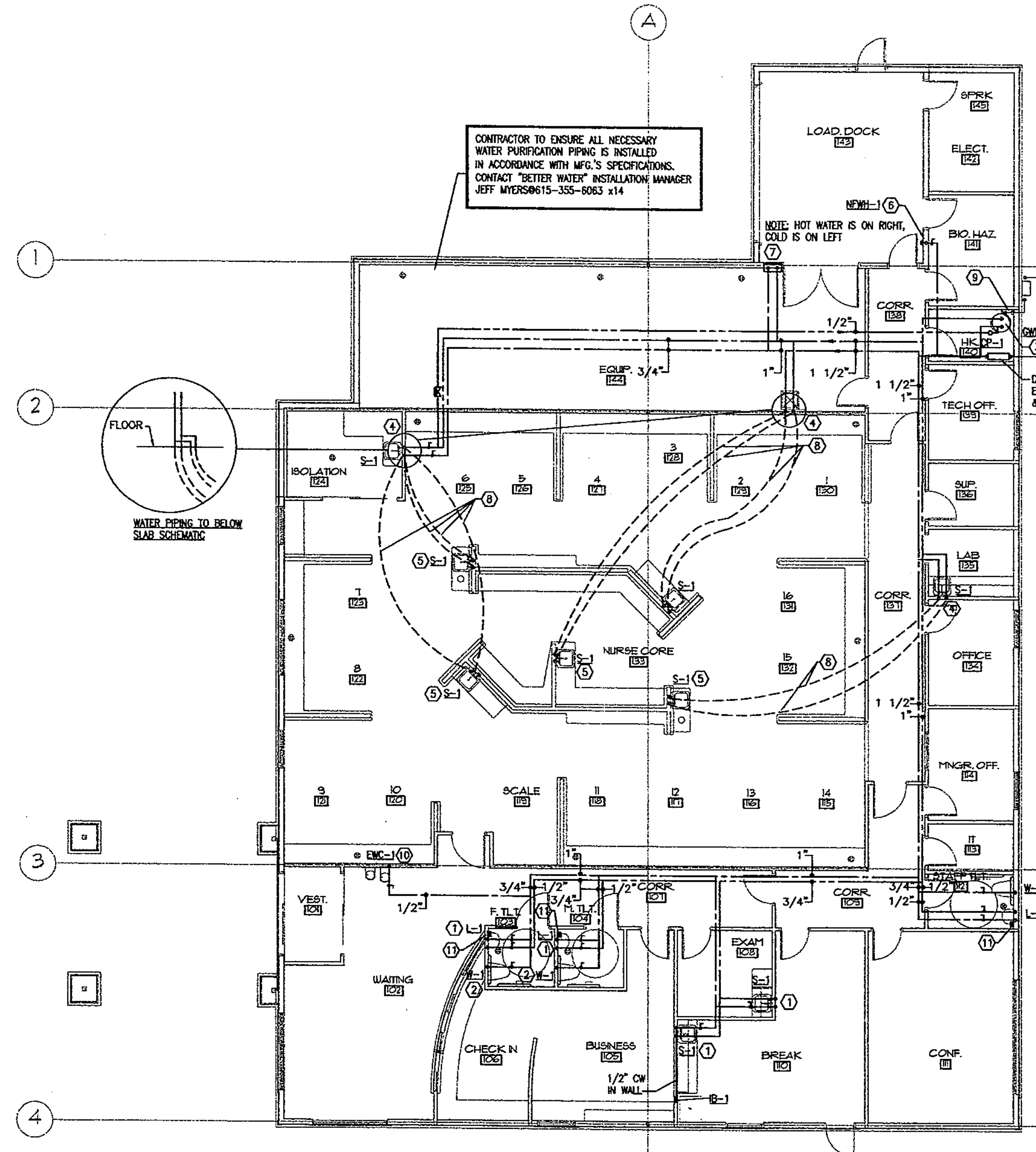

1 WATER PLAN
P-2 SCALE: 1/8" = 1'-0"

PLUMBING KEYNOTES

1. 1/2"HOT AND COLD WATER DOWN
2. 3/4"COLD WATER DOWN
3. 1 1/4"COLD WATER DOWN TO WATER HEATER
4. 3/4" H&CW DOWN IN WALL TO BELOW SLAB, TRANSITION TO SOFT COPPER TUBING AND ROUTE BELOW SLAB TO REMOTE FIXTURE
5. 1/2"HOT & COLD WATER UP TO SINK
6. 3/4"COLD DOWN TO NON-FREEZE HOSE BIBB
7. 1"HOT AND COLD WATER DOWN
8. 1/2"HOT AND COLD WATER LINES BELOW SLAB
9. 3/4" GAS SUPPLY LINE. SUPPLY W/ FULL SIZE DIRT LEG
10. 1/2" COLD WATER DOWN
11. 1/2" COLD WATER LINE TO TRAP PRIMER VALVE UNDER LAV

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P2.10

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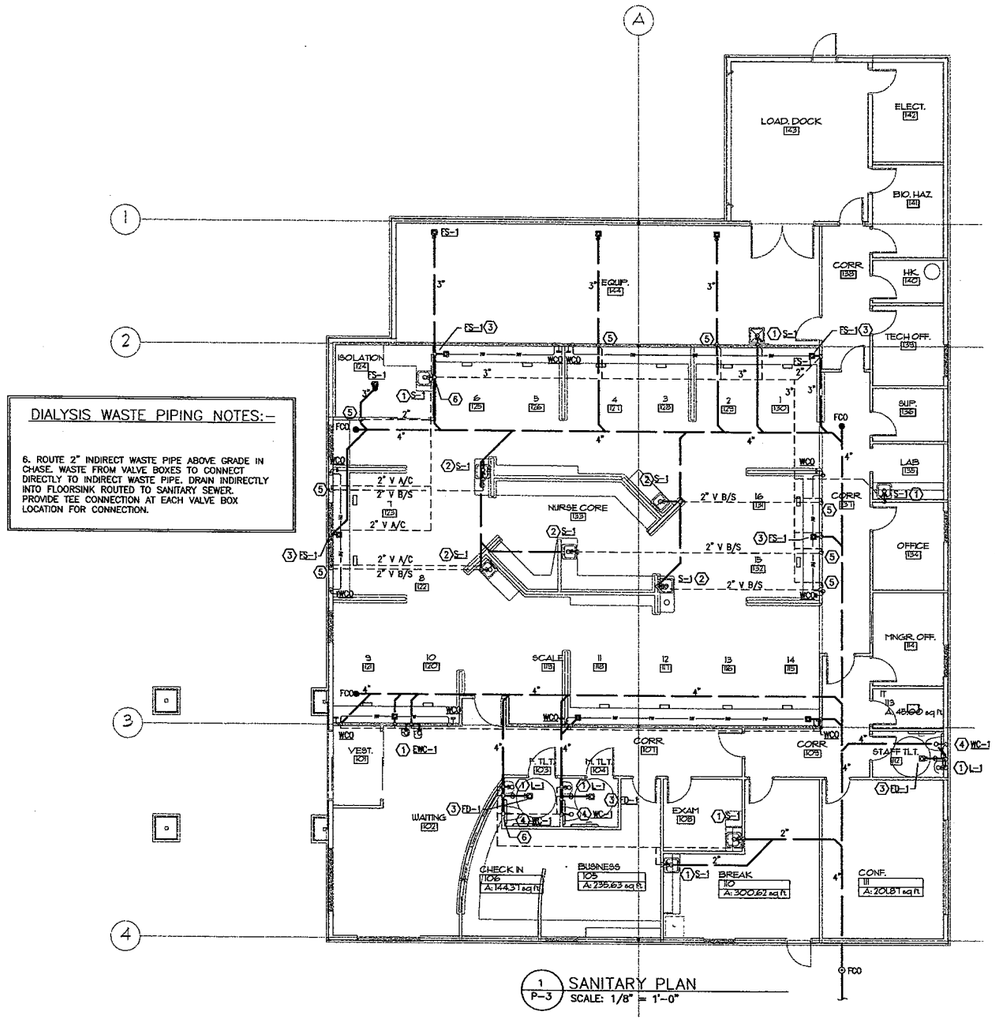
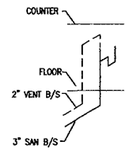


1 SANITARY PLAN
P-3 SCALE: 1/8" = 1'-0"

DIALYSIS WASTE PIPING NOTES:-

6. ROUTE 2" INDIRECT WASTE PIPE ABOVE GRADE IN CHASE. WASTE FROM VALVE BOXES TO CONNECT DIRECTLY TO INDIRECT WASTE PIPE. DRAIN INDIRECTLY INTO FLOORSINK ROUTED TO SANITARY SEWER. PROVIDE TEE CONNECTION AT EACH VALVE BOX LOCATION FOR CONNECTION.



DETAIL - ISLAND TYPE VENT
NTS

PLUMBING KEYNOTES

1. 2"WASTE DROP
   1 1/2" VENT UP
2. ISLAND SINK PIPING
   2" WASTE & 2" VENT
3. 3"SAN DROP
   2" VENT UP
4. 4"SAN DROP
   2" VENT UP
5. 2" VENT UP FORM BELOW
6. 3" VTR

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PLUMBING FLOOR PLAN SANITARY

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DIALYSIS PIPING NOTES:–

1. ROUTE 1" SHC. 80 PVC RO WATER, 3/4" SCH. 40 PVC BICARB AND 3/4" SCH. 40 PVC ACID LINE LOOPS AS SHOWN. PVDF TO BE USED FOR ALL PIPES WHEN ROUTED ABOVE THE CEILING IN THE RETURN AIR PLENUM. ALL ELBOWS TO BE 45 DEGREE. USE TWO 45 DEGREE ELBOWS TO MAKE A 90 DEGREE BEND IN ORDER TO REDUCE PRESSURE DROP.

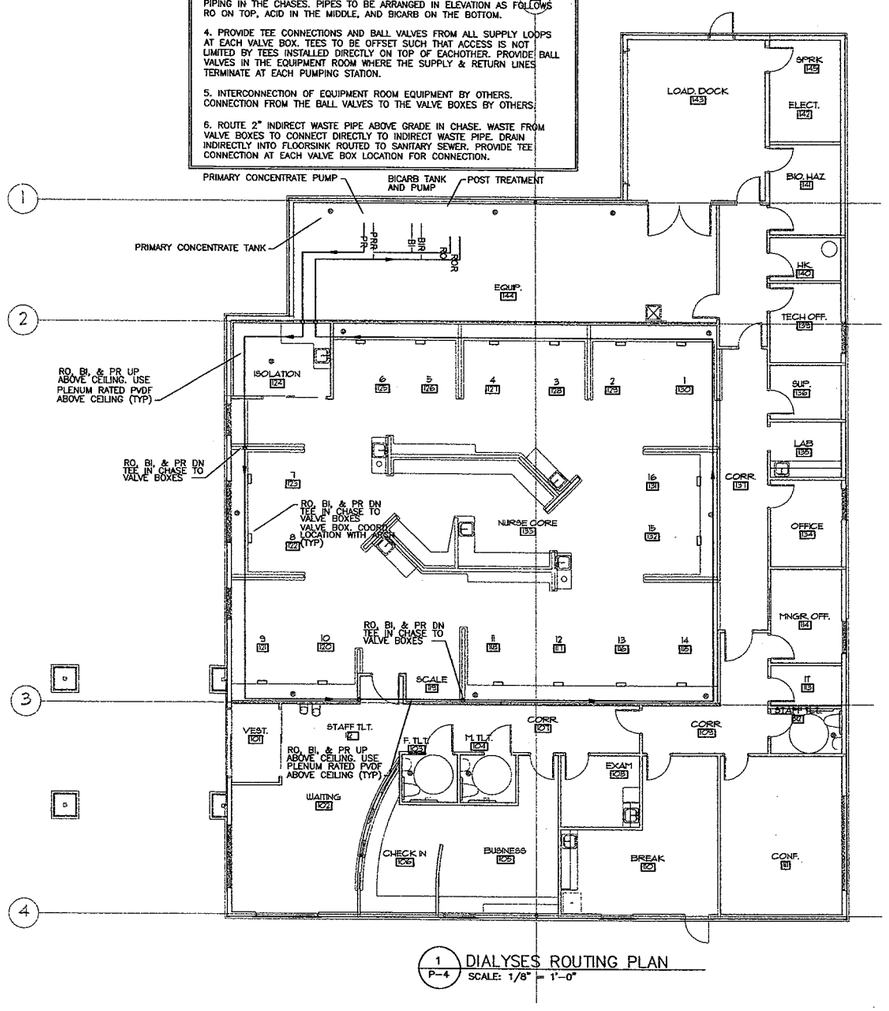
2. THE BICARB LINE SHALL BE SLOPED TO A DRAIN TEE IN EACH DIALYSIS AREA, OR TO THE TANKS IN THE EQUIPMENT AREA TO PREVENT STAGNATION WHEN THE PUMP IS OFF.

3. REFER TO BETTER WATER, INC. PLANS FOR VALVE BOX CONNECTIONS AND PIPING IN THE CHASES. PIPES TO BE ARRANGED IN ELEVATION AS FOLLOWS RO ON TOP, ACID IN THE MIDDLE, AND BICARB ON THE BOTTOM.

4. PROVIDE TEE CONNECTIONS AND BALL VALVES FROM ALL SUPPLY LOOPS AT EACH VALVE BOX. TEES TO BE OFFSET SUCH THAT ACCESS IS NOT LIMITED BY TEES INSTALLED DIRECTLY ON TOP OF EACHOTHER. PROVIDE BALL VALVES IN THE EQUIPMENT ROOM WHERE THE SUPPLY & RETURN LINES TERMINATE AT EACH PUMPING STATION.

5. INTERCONNECTION OF EQUIPMENT ROOM EQUIPMENT BY OTHERS. CONNECTION FROM THE BALL VALVES TO THE VALVE BOXES BY OTHERS.

6. ROUTE 2" INDIRECT WASTE PIPE ABOVE GRADE IN CHASE. WASTE FROM VALVE BOXES TO CONNECT DIRECTLY TO INDIRECT WASTE PIPE. DRAIN INDIRECTLY INTO FLOORSINK ROUTED TO SANITARY SEWER. PROVIDE TEE CONNECTION AT EACH VALVE BOX LOCATION FOR CONNECTION.



1 P-4 DIALYSES ROUTING PLAN
SCALE: 1/8" = 1'-0"

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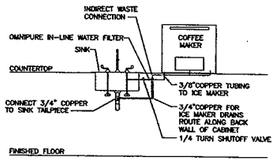
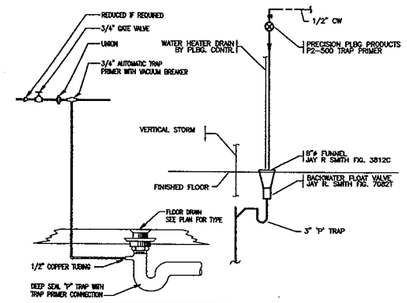


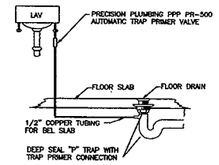
(1) FILTERED WATER @ SINK DETAIL

SCALE: NONE



(2) TRAP PRIMER DETAIL

SCALE: NONE



(3) TRAP PRIMER DETAIL

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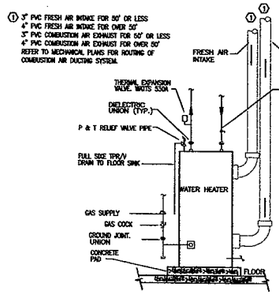
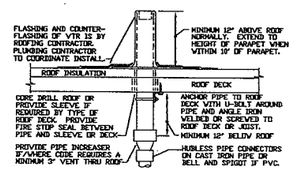


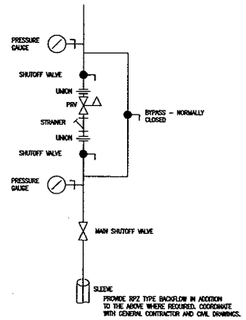
(4) GAS WATER HEATER DETAIL

SCALE: NONE



(5) VENT THRU ROOF DETAIL

SCALE: NONE



(6) DOMESTIC SERVICE DETAIL

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