SCHEDULE - FIXTURE CONNECTION						
		MINIMUM SIZE UTILITY TO FIXTURE				
FIXTURE #	FIXTURE TYPE	WASTE CONNECTION	HOT WATER SUPPLY	COLD WATER SUPPLY		
F-1	WATER CLOSET	<b>3</b> "		1/2"		
F-1H	WATER CLOSET	3"				
F-2H	LAVATORY H.C.	1-1/4"	3/8"	3/8"		
F-2P	LAVATORY - PEDESTAL	1-1/4"	3/8"	3/8"		
F-4	KITCHEN SINK	1-1/2"	1/2"	1/2"		
F-4A	SING. COMPARTMENT SINK	1-1/2"	1/2"	1/2*		
F-5	WASHING MACHINE	2*	1/2"	1/2"		
F6	ICE MAKER			3/8*		
F7	WATER COOLER	1-1/4"		3/8"		

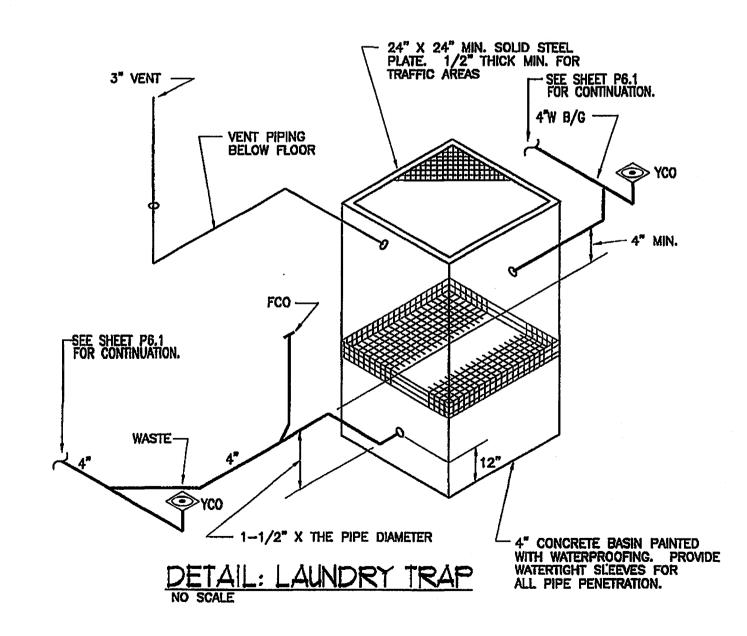
SCHEDULE - ELECTRIC WATER HEATER								
MARK	MODEL	STORAGE CARACITY GALLONS	KW INPUT	GPH RED 90 DEG RISE	TEMP OF WATER TO BE DEL.	ACCESORIES		
EWH-1	CD5-82-20RT	82	4.5	20	120°	1-5		
EWH-2	SCI 2 1SUS K	2	1.4	7	120°	1-6		

1. ALL UNITS SHALL MEET ASHRAE 90-75 AND ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CETIFIED. ACCESSORIES:

1. T&P RELIEF VALVE.

2. DIELECTRIC FITTINGS ON INLET & OUTLET.
3. GATE VALVES (CW SIDE ONLY) WITH UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
4. LOCATE WATER HEATERS AS INDICATED ON PLANS. 5. ROUTE DRAIN PAN AND T&P RELIEF TO DRAIN, SEE WATER HEATER DETAIL. 6. LOCATE WATER HEATER BELOW COUNTER. ROUTE T&P RELIEF TO 2" HUB DRAIN BELOW SINK.

SELECTION BASED ON STATE (EQUALS INCLUDE A.O. SMITH AND RHEEM.)



## -THERMAL EXPANSION VALVE (PIPE TO F.D.) SEE FLOOR FOR SIZE (TYP.) \_\_\_\_\_ FULL SIZE PRESSURE & TEMP. RELIEF VALVE (TYP) EWH-1 RELIEF VALVE DISCHARGE PIPED FULL SIZE TO HUB DRAIN (TYP.) DRAIN VALVE (TYP)

DETAIL: ELECTRIC WATER HEATER (EWH-1)

## PLUMBING FIXTURE SCHEDULE

UNLESS OTHERWISE INDICATED, NUMBERS ARE AMERICAN STANDARD. EQUAL PRODUCTS: KOHLER, CRANE, ELJER, OLSONITE, SPERZEL, DELTA, MANSFIELD, SIMMONS, BRADLEY, GERBER, CENTOCO, HALSEY TAYLOR, FLAT, STERN-WILLIAMS, ZURN, DELANY, CHURCH, BENEKE.

- F-1. WATER CLOSET FLOOR MOUNTED TANK ELONGATED OPEN FRONT SEAT LESS COVER: CRANE 3-944E RADCLIFF 1.5 GPF ELONGATED WATER CLOSET, SIPHON JET, WATER SAVER. BEMIS 1655-C OPEN FRONT HEAVY DUTY SOLID PLASTIC ELONGATED SEAT. MCGUIRE 169 SUPPLY TO WALL WITH WHEEL HANDLE STOP, WALL NIPPLE AND ESCUTCHEON AND FLEXIBLE RISER.
- F-2P. LAVATORY PEDESTAL POP-UP DRAIN: "MAGNOLIA" PEDETAL 20" X 17" LAVATORY, VITREOUS CHINA LAVATORY PUNCHED ON 4" CENTERS. MOEN 4935 TWO HANDLE FAUCET WITH AERATOR, POP-UP DRAIN, 1/2" MALE THREADED CONNECTORS, MCGUIRE 167 CHROME PLATED ANGLE SUPPLY WITH 1/2" O.D. X 12" FLEXIBLE RISER AND 3/8" I.P.S. X 1/2" O.D. WHEEL HANDLE STOP WITH WROUGHT ESCUTCHEON, PVC P-TRAP.
- F-2H. LAVATORY COUNTERTOP TYPE GRID DRAIN SINGLE LEVER:

  CRANE 1-319-V GALAXY, ENAMELED STEEL SELF-RIMMING 20" X 17"

  LAVATORY PUNCHED ON 4" CENTERS. SYMMONS S-20-G SINGLE LEVER FAUCET WITH AERATOR, LESS DRAIN, 1/2" MALE THREADED CONNECTORS. AMERICAN STANDARD 2411.015 GRID DRAIN WITH 1-1/4" TAILPIECE. MCGUIRE 170 SUPPLY TO WALL WITH WHEEL HANDLE STOPS, EXTENSION TUBE TO WALL AND FLEXIBLE RISERS.

  MCGUIRE 8872 P-TRAP 1-1/4" X 1-1/4" WITH CAST BRASS NUTS AND CLEANOUT PLUG MOUNT AT HE MEIGHT. PLUG. MOUNT AT HC HEIGHT.
- F-4. KITCHEN SINK TWO COMPARTMENT WITH DISPOSER: DAYTON D-23322 TWO COMPARTMENT, 20 GAUGE STAINLESS STEEL SELF-RIMMING SINK 33" X 22" X 7-1/4" DEEP, AMERICAN STANDARD 4205.029 RELIANT SINGLE LEVER KITCHEN SINK FAUCET WITH HOSE AND SPRAY, 4331.013 CRUMB CUP STRAINER, NATIONAL DISPOSER NDP-110-B 1/2 HP CONTINUOUS FEED DISPOSER, MCGUIRE 167 SUPPLY TO WALL WITH WHEEL HANDLE STOPS AND FLEXIBLE RISERS, MCGUIRE 8912 1-1/2" P-TRAP WITH CLEANOUT PLUG.
- F-4A. KITCHEN SINK NO DISPOSER SINGLE COMPARTMENT: DAYTON D-12522, 25" X 22" SELF-RIMMING STAINLESS STEEL, FITTED WITH AMERICAN STANDARD 6279.142H FAUCET WITH HOSE AND SPRAY, CHROME CRUMB CUP STRAINERS, CHROME 1-1/2° P-TRAP AND SUPPLIES WITH STOPS.
- F-5. WASHING MACHINE BOX: OATEY 38894 SINGLE LEVER VALVE; ELIMINATOR OUTLET BOX WITH FACE PLATE AND TAILPIECE.
- F-6. ICE MAKER SUPPLY: OATEY 38811 ICE MAKER BOX WITH ADJUSTABLE FACE PLATE.
- NFWH WALL HYDRANT-NON-FREEZE WOODFORD MODEL 867 3/4" NON-FREEZE WALL HYDRANT WITH CONCEALED BOX & DOOR. STEM TO BE 8" LONG, PROVIDE WATTS SERIES 8 HOSE CONNECTION VACUUM BREAKER.
- FCO CLEAN-OUT TO BE BRASS PLUG AND COVER, SET FLUSH WITH FLOOR SURFACE
- YCO PVC CLEAN-OUT PLUG. VERTICAL TO HORIZONTAL TRANSITION TO BE MADE WITH ONE LONG SWEEP OR WITH TWO 1/8 BENDS. CLEAN-OUT TO BE IN 12" X12" X 6" DEEP PAD SET FLUSH WITH GRADE.

## PLUMBING NOTES

- COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE TYPE M HARD DRAWN COPPER TUBING CONFORMING TO ASTM 8-88 WITH SWEAT JOINTS AND CAST OR WROUGHT fittings. Joints shall be made with lead free solder, J.W. Harris BRIDGIT" OR EQUAL. COLD WATER PIPING BELOW GRADE SHALL BE TYPE L COPPER Tubing with cast or wrought fittings and joints same as above grade. JOINTS SHOULD NOT BE PERMITTED UNDER FLOOR SLABS. WATER PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES. WHERE JOINTS ARE BELOW SLAB, THEY MUST BE BRAZED OR WITH SILVER SOLDER.
- SANITARY WASTE & VENT, AND STORM DRAIN PIPING ABOVE GROUND SHALL BE SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS.
- 3. SANITARY WASTE & STORM DRAIN PIPING BELOW GROUND SHALL BE SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS.
- 5. ALL PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
- 6. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.

AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.

- SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ARCHITECT PRIOR TO Ordering, purchasing, or fabricating any mechanical equipment. Shop Drawings shall include: All equipment scheduled on the drawings; plumbing FIXTURES AND TRIM; WATER HEATERS AND ACCESSORIES; PIPE, VALVES, AND FITTINGS; SANITARY AND WATER RISER DIAGRAMS; INSULATION.
- 8. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
- 9. WATER PIPING ROUTED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
- 10. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- 11. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER START-UP.
- 12 ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
- 13. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH ELECTRICAL DRAWINGS.
- 14. ALL SHOWER HEAD ARMS SHALL BE SECURED TO ADJACENT STRUCTURE.

## PLUMBING LEGEND DESCRIPTION ABOVE CEILING BELOW COUNTER BELOW FLOOR BELOW GRADE COLD WATER PIPING ----- CW FLOOR CLEANOUT 4 ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE OG----FLOOR DRAIN gate valve HANDICAPPED HOT WATER PIPING P-TRAP PRESSURE REDUCING VALVE

---- v

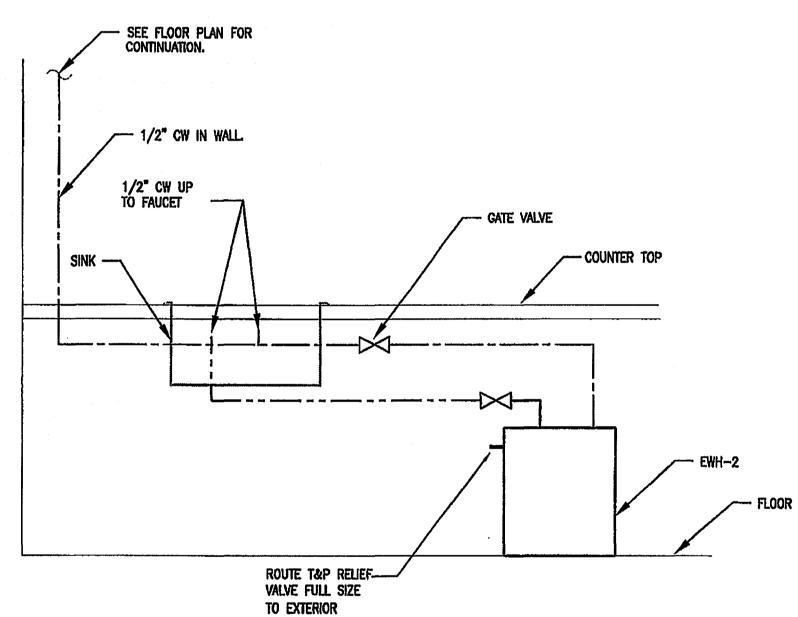
VIR

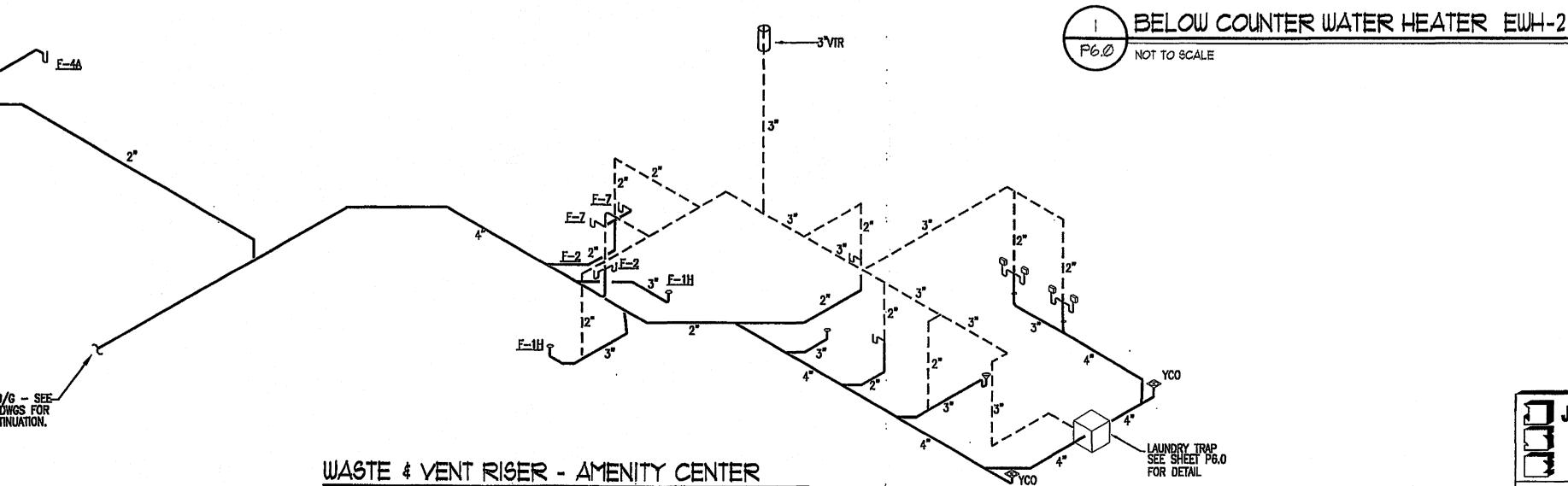
SOIL, WASTE PIPING

VENT PIPING

VENT THRU ROOF

WALL HYDRANT YARD CLEANOUT





NOT TO SCALE

AS BUILT ISSUE 3

Jordan & Skala Engineers, Inc. Job Number - 0110380

COPYRIGHT @ 2001 JORDAN & SKALA ENGINEERS INC.

INITIAL PERMIT REVIEW

PERMIT/ PRICING REVISION

PERMIT ISSUE

ya viratozii (aliyi

1 0 ASC 820632

indian is excep

Fax (2816) 531-453

Aligais de la Participa de la Carta de la

Design Cons