

NOTE:
INSULATE ELECTRIC WATER HEATER
TO PROTECT AGAINST FREEZING.

02 WATER HEATER DETAIL
P.02 NOT TO SCALE

FIXTURE SCHEDULE

SYMBOL	FIXTURE
WC-1	WATER CLOSET (WC) FIXTURE: KOHLER KINGSTON NO. K-4930 SEAT: KOHLER NO. K-4670-C VALVE: SLOAN NO. 8 CARRIER: ZURN OR EQUAL
U-1	URINAL FIXTURE: DEXTER NO. K-506-T, WALL HUNG VALVE: SLOAN ROYAL NO. 186 CARRIER: ZURN OR EQUAL
L-1	LAVATORY FIXTURE: KOHLER LADSON NO. K-2849 FALCET: DELTA NO. 6254-DP-16M TRAP: INGLE NO. 5702 SUPPLY: INGLE NO. 170 NOTE: INSULATE PIPING IN ACCORDANCE WITH ADA.
EWC-1	ELECTRIC WATER COOLER (EWC) FIXTURE: HANS 89FR NOTE: PROVIDE WITH SHUT-OFF VALVE, CARRIER, AND TRAP. PROVIDE STAINLESS STEEL FINISH.
WH-1	WATER HEATER FIXTURE: STATE INDUSTRIES NO. LDK-6-DM5, 6 GALLON 145 KW, 60/160 NOTE: PROVIDE WITH THERMOSTATIC MIXING VALVE, SET AT 107F. PROVIDE WITH DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR.
H-1	WALL FALCET FIXTURE: CHICAGO FALCETS NO. 952 NOTE: PROVIDE WITH VACUUM BREAKER
H-2	WALL HYDRANT FIXTURE: WOODFORD NO. 65C NOTE: PROVIDE WITH VACUUM BREAKER
CO	CLEANOUT WALL: ZURN NO. Z-4446 FLOOR: ZURN NO. ZH4400 EXTERIOR: ZURN NO. ZH4449-EP (MOUNT IN CONCRETE)
FD-1	FLOOR DRAIN FIXTURE: ZURN NO. ZH-45-S, 3" WASTE OUTLET WITH 6"x2" SQUARE NICKEL BRONZE STRAINER AND TRAP PRIMER
BP-1	BACK FLOW PREVENTOR FIXTURE: WATTS NO. 007M20T-S NOTE: MOUNT 24" ABOVE FINISHED FLOOR

NOTE:
1. THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
2. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODES, ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
- THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
- WATER LINES BELOW GRADE SHALL BE TYPE 1/2" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE 1" COPPER SUPPORTED AS REQUIRED, AND SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS AT 100 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
- WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
- COLD WATER PIPING SHALL BE INSULATED WITH 1" CLOSED CELL RUBBER. HOT WATER PIPING SHALL BE INSULATED WITH 1" CLOSED CELL RUBBER.
- ALL WATER PIPING AT WATER FIXTURES SHALL BE PROVIDED WITH 1/2" AIR CHAMBERS OR SHOCK ABSORBERS. STOPS SHALL BE PROVIDED ON HOT AND COLD WATER LINES.
- IF THE WATER PRESSURE EXCEEDS 60 PSI, A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING, AND SHALL BE SET AT 50 PSI.
- PLUMBING CONTRACTOR SHALL PROVIDE A DELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
- WATER HEATERS SHALL HAVE AN EFFICIENCY RATING EQUAL TO OR EXCEEDING ASHRAE 90-75, REVISED, AND SO LABELED.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
- SANITARY SEWER LINES SHALL BE SCHEDULE 40 PVC. WASTE AND VENT PIPE SHALL BE GAS AND AIR TIGHT.
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
- THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
- LOCATION OF UTILITIES (WASTE AND WATER LINES, ETC.) PROVIDED BY OTHERS THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE THE FINAL CONNECTIONS AS REQUIRED.
- VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
- THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MANHOLE RM ELEVATION, OR PROVIDE A BACKWATER VALVE AS REQUIRED.
- THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
---	WASTE PIPING (W)
- - - -	VENT PIPING (V)
---	COLD WATER PIPING (C/W)
---	HOT WATER PIPING (H/W)
---	GATE / BALL VALVE
---	CHECK VALVE
---	PIPING TURNED DOWN
---	PIPING TURNED UP
---	NON FREEZE WALL HYDRANT
---	HOSE BIBB
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
B.F.F.	BELOW FINISHED FLOOR
B.F.G.	BELOW FINISHED GRADE
H.C.	HANDICAPPED
I.E.	INVERT ELEVATION
V.T.R.	VENT THRU ROOF
T.M.V.	THERMOSTATIC MIXING VALVE

CONNECTION SCHEDULE

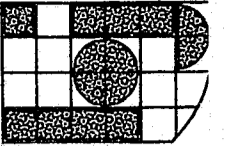
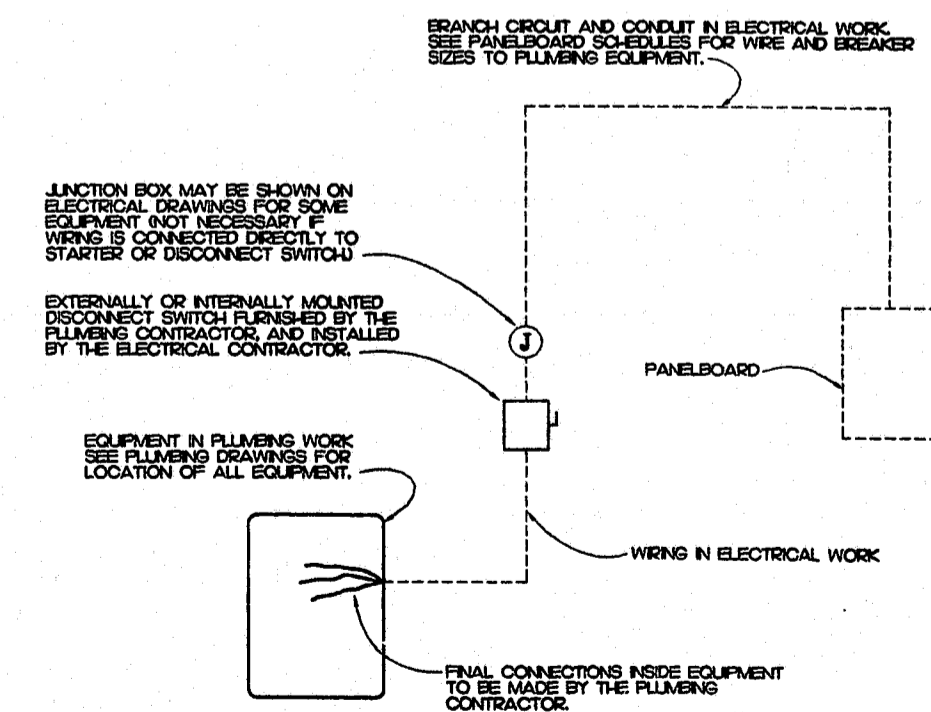
FIXTURE	WASTE	COLD WATER	HOT WATER
WATER CLOSET (FLUSH VALVE)	4"	1"	-
URINAL	2"	3/4"	-
LAVATORY / SINK	2"	1/2"	1/2"
ELECTRIC WATER COOLER	2"	1/2"	-
WALL HYDRANT / HOSE BIBB	-	3/4"	-
FLOOR DRAIN / HUB DRAIN / FLOOR SINK	3"	-	-

99-SP-261
APPROVED
10/11/00
JBD

LOAD SUMMARY

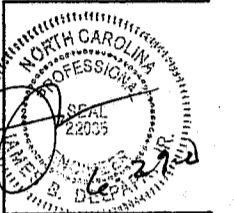
WASTE DEMAND (GPM)	WATER DEMAND (GPM)	WATER DEMAND (GPM)
26	58	53

01 ELECTRICAL CONNECTION DETAIL
P.02 NOT TO SCALE



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FILE:
DATE: 6/30/00

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