

DRAINAGE PRODUCTS/SPECIALTIES

UNLESS OTHERWISE INDICATED NUMBERS ARE JAY R. SMITH. EQUAL PRODUCTS: ZURN, JOSAM, WADE AND WATTS.

CO-EXPOSED CLEANOUT - UNFINISHED AREAS
JAY R. SMITH FIG. 4420 CAST BRONZE COUNTERSUNK PLUG WITH SLOT TO RECEIVE 1/2" THICK STEEL BAR STOCK.

WCO-WALL CLEANOUT - FINISHED AREAS
JAY R. SMITH FIG. 4436 C.I. FERRULE FOR NO HUB OR SERVICE WEIGHT PIPE, NICKEL BRONZE ROUND FRAME AND COVER WITH SECURING SCREWS.

FCO-CONCRETE FLOORS
JAY R. SMITH FIG. 4220 C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND CAST IRON TOP WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

FCO-TILE FLOORS
JAY R. SMITH FIG. 4151 C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND CAST IRON TOP WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

FCO-CARPETED FLOORS
JAY R. SMITH FIG. 4020-Y C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG, ADJUSTABLE ROUND NICKEL BRONZE TOP COMPLETE WITH STAINLESS STEEL CARPET MARKER WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

FD "DD" - DECK DRAIN
JAY R. SMITH FIG. 1412-HP.C.I. FLOOR DRAIN WITH 13" SQUARE HEEL PROOF GRATE, D.I. UNDERGRATE WITH NICKEL BRONZE STRAINER.

FD "G" - FLOOR DRAINS-GENERAL/RESTROOMS
JAY R. SMITH FIG. 2005-B6 SERIES C.I. FLOOR DRAIN WITH 6" DIAMETER SQUARE NICKEL BRONZE STRAINER, SPEEDI-SET OUTLET CONNECTION AND TRAP PRIMER CONNECTION.

FD "M" - FLOOR DRAINS-GENERAL PURPOSE/MECHANICAL ROOM
JAY R. SMITH FIG. 3715 SERIES CAST IRON 12" DIAMETER DRAIN WITH SEDIMENT BUCKET, CAST IRON GRATE WITH INTEGRAL 4" FUNNEL, SPEEDI-SET OUTLET CONNECTION.

FD "PD" - PARKING DECK DRAIN
JAY R. SMITH FIG. 2142-M.C.I. FLOOR DRAIN WITH 11 1/2" DUCTILE IRON GRATE SEDIMENT BUCKET.

FD "TD" - TRENCH DRAINS AT PARKING DECK, ZURN FLOW-THRU SYSTEM,
Z-812 SERIES, 12" WIDE, 4" OUTLETS, Z-812-HPD
DUCTILE IRON HEEL PROOF GRATE

LAVATORY-WALL HUNG SUPPORT
JAY R. SMITH #700 FOR MASONRY WALLS AND #700-M31 FOR METAL STUD WALLS.

ELECTRIC WATER COOLER CARRIER-WALL HUNG
JAY R. SMITH FIG. 830 SUPPORT WITH UPRIGHTS OF HIGH STRENGTH STEEL WITH WELDED BASES BOLTED TO FLOOR. FOR STEEL STUD WALLS, USE M31 RECTANGULAR UPRIGHTS.

TP-"A"-AUTOMATIC TRAP PRIMER
PPP PRIME-RITE SERIES AUTOMATIC TRAP PRIMER WITH MULTIPLE OUTLET DISTRIBUTION UNITS AS REQUIRED.

TP-"L"-TRAP PRIMER
JAY R. SMITH FIG. 2698 WATER SAVER TRAP PRIMER WITH 1-1/4" INLET AND OUTLET, 17 GAUGE SATIN CHROME-PLATED P-TRAP.

WATER HAMMER ARRESTORS
JAY R. SMITH 5000 SERIES ALL STAINLESS STEEL "HYDROTROLS" INSTALL IN AN UPRIGHT POSITION AT ALL FLUSH VALVES, WASHING MACHINE SUPPLIES, DISHWASHERS, PRV STATIONS, AND OTHER QUICK CLOSING VALVES, SOLENOIDS AND PLUMBING FIXTURES. LOCATE AND SIZE AS INDICATED ON DRAWINGS. WHERE NOT SHOWN ON DRAWINGS, LOCATE AND SIZE IN ACCORDANCE WITH PDI STANDARD WH-201.

HB-HOSE BIBB LOOSE KEY
WOODFORD #24F WITH LOOSE TEE KEY AND VACUUM BREAKER HOSE BIBB, CHROME PLATED FOR USE IN PUBLIC AREAS.

NFWH-WALL HYDRANT-EXPOSED
JAY R. SMITH FIG. 5509-OT NON FREEZE 3/4" CAST BRONZE HYDRANT WITH RECESSED STAINLESS STEEL BOX AND FRAME INTEGRAL VACUUM BREAKER, NICKEL BRONZE FACE, AND SIZED IN ACCORDANCE WITH WALL THICKNESS.

WASHING MACHINE UTILITY CONNECTION
GUY GRAY MODEL B200 16 GAUGE UTILITY CONNECTION WITH 1/2" ANGLE VALVES AND 2" WASTE

ICE MAKER SUPPLY
GUY GRAY MODEL BIM875 16 GAUGE SUPPLY WITH 1/2" INLET, AND 1/4" OUTLET ANGLE VALVE

DOWNSPOUT NOZZLE:
JAY R. SMITH FIG. 1770,
WALL MOUNTED CAST BRONZE BODY AND FLANGE, NICKEL BRONZE FINISH

PLUMBING LEGEND

| SYMBOL | ABBREVIATION | DESCRIPTION |
|----------|--|-------------|
| A/C | ABOVE CEILING | |
| AD | AREA DRAIN | |
| A/F | ABOVE FLOOR | |
| AFF | ABOVE FINISHED FLOOR | |
| AFG | ABOVE FINISHED GRADE | |
| AP | ACCESS PANEL | |
| — — — | BALANCING VALVE | |
| B/C | BELOW COUNTER | |
| B/F | BELOW FLOOR | |
| B/G | BELOW GRADE | |
| —CA— | COMPRESSED AIR | |
| —CD— | CONDENSATE DRAIN | |
| —CV— | CHECK VALVE | |
| —CO— | CLEANOUT | |
| —CW— | COLD WATER PIPING | |
| —CWW— | COMBINATION WASTE & VENT | |
| —DN— | PIPING TURNING DOWN | |
| —ERD— | EMERGENCY ROOF DRAIN | |
| —ERL— | EMERGENCY RAIN LEADER | |
| —FAV— | FRESH AIR VENT (SAFE WASTE SYSTEM) | |
| —FCO— | FLOOR CLEANOUT | |
| —FD— | FLOOR DRAIN | |
| —FS— | FLOOR SINK | |
| —G— | GAS PIPING - LOW PRESSURE | |
| —GW— | GREASE WASTE PIPING | |
| —GV— | GATE/BALL VALVE | |
| —HB/NFHB | HOSE BIBB/NON-FREEZE HOSE BIBB | |
| —HC— | HANDICAPPED | |
| —HD— | HUB DRAIN | |
| —HW— | HOT WATER PIPING | |
| —HWR— | HOT WATER RETURN PIPING | |
| —HZ— | HIGH ZONE (BOOSTED) COLD WATER | |
| —LZ— | LOW ZONE COLD WATER (STREET PRESSURE) | |
| —MG— | GAS PIPING - MEDIUM PRESSURE | |
| —O/H— | OVER HEAD | |
| —PD— | PUMPED DISCHARGE | |
| —P— | P-TRAP | |
| —PRV— | PRESSURE REDUCING VALVE | |
| —RD— | ROOF DRAIN | |
| —RPBP— | REDUCED PRESSURE BACKFLOW PREVENTOR | |
| —S— | SOIL, WASTE PIPING (ABOVE GROUND) | |
| —S/W— | SOIL, WASTE PIPING (BELOW GROUND) | |
| —SA— | SHOCK ABSORBER (WATER HAMMER ARRESTOR) | |
| —ST— | STORM DRAINAGE PIPING | |
| —TP— | TRAP PRIMER | |
| —U— | UNION | |
| —UP— | PIPING TURNING UP | |
| —V— | VENT PIPING | |
| —VTR— | VENT THRU ROOF | |
| —WCO— | WALL CLEANOUT | |
| —WH/NFWH | WALL HYDRANT/NON-FREEZE WALL HYDRANT | |
| —YCO— | YARD CLEANOUT | |

PLUMBING NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL PLUMBING FIXTURES.
- ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2006 INTERNATIONAL PLUMBING CODE WITH ADDISON, TEXAS AMENDMENTS AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR BE SUPPORTED FROM CEILING TIERS.
- WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
- SANITARY AND DRAINAGE PIPING 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, PIPING 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.
- TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
- TRAP PRIMERS ARE TO BE PROVIDED ON ALL FLOOR DRAINS AND HUB DRAINS WHICH DO NOT RECEIVE A CONTINUOUS DISCHARGE. TP "L" LAVATORY WASTE TRAP PRIMERS ARE TO BE PROVIDED ON DRAINS IN PUBLIC RESTROOMS, GUEST ROOMS, AND OTHER AREAS WITH DRAINS ADJACENT TO LAVATORIES TP "A" AUTOMATIC TRAP PRIMERS ARE TO BE PROVIDED IN ALL OTHER REQUIRED LOCATIONS.
- PLUMBING AND FIRE PROTECTION PIPING IS NOT TO BE INSTALLED IN ELECTRICAL ROOMS, CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT SPECIFIC ROOM.
- LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" FROM ACCESS PANELS, CEILING TILES, OR OTHER POINT OF ACCESS.
- ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDICAPPED FIXTURES SHALL BE INSULATED WITH HANDI-LAV GUARD MODELS 102 AND 105 INSULATION KITS.
- PROVIDE SHOCK ABSORBERS SIZED PER PDI SPECIFICATIONS ON ALL DOMESTIC WATER LINES SERVING FLUSH VALVE FIXTURES, WASHING MACHINES SUPPLIES, PRV STATIONS AND OTHER INSTALLATIONS WITH QUICK CLOSING VALVES.
- PROVIDE A BASE CLEANOUT AT THE LOWEST LEVEL OF ALL SANITARY AND WASTE STACKS. BASE CLEANOUTS ON SOVENT STACKS SHALL BE LOCATED CONCEALED BEHIND THE WATER CLOSET TANK.
- ALL SHOWER HEAD ARMS AND VALVES SHALL BE PROVIDED WITH ADDITIONAL BLOCKING AS REQUIRED AND RIGIDLY SECURED TO ADJACENT STRUCTURE.
- ALL SHOWER HEADS SHALL BE INSTALLED WITH THE CENTER POINT OF THE SHOWER HEAD FACE LOCATED 6'-3" MINIMUM ABOVE THE TUB/SHOWER FINISHED SURFACE.
- PROVIDE REDUCED PRESSURE BACKFLOW PREVENTORS AT ALL DOMESTIC WATER CONNECTIONS TO MECHANICAL EQUIPMENT, POOL, AND IRRIGATION CONNECTIONS, KITCHEN, LAUNDRY, AND VENDING EQUIPMENT CONNECTIONS AS REQUIRED BY LOCAL CODE AND AUTHORITIES.
- PROVIDE MANUFACTURED EXPANSION DEVICE OR FABRICATED EXPANSION LOOP ON ALL PIPING SYSTEMS CROSSING BUILDING EXPANSION JOINTS.
- CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND THE ELECTRICAL CONTRACTOR, AND SHALL FURNISH EQUIPMENT WIRING FOR THE VOLTAGES SHOWN THEREIN.
- ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
- ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY JM COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/SINK, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATIONS, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
- ALL VENT THRU ROOF PENETRATIONS SHALL BE ROUTED TO TERMINATE AT THE LEAST VISIBLE LOCATION FROM THE ENTRY VIEW.
- ALL SANITARY VENTS THRU ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE.

FIRE PROTECTION NOTES

- ALL SPRINKLERS IN SPACES VISIBLE TO PUBLIC VIEW SHALL BE LOCATED SYMMETRICALLY IN RELATION TO CEILING DESIGN ELEMENTS, LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, ETC. ALL CEILING COMPONENTS ARE TO BE INDICATED ON THE SUBMITTAL DRAWINGS AS NOTED PREVIOUSLY TO INSURE COORDINATION WITH ALL CEILING ELEMENTS AND DEVICES. PIPING TO SPRINKLERS IN THESE AREAS IS TO BE PROVIDED WITH RETURN BENDS IF REQUIRED TO ALLOW FOR EXACT PLACEMENT.
- SPRINKLER HEADS INSTALLED IN LAY IN ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN THE CEILING TILES OR INSTALLED ON QUARTER POINTS OF THE FOUR FOOT DIMENSIONS OF 2' x 4' TILES.
- ALL FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA STANDARDS AND SHALL MEET THE APPROVAL OF THE OWNERS INSURANCE UNDERWRITER, AND LOCAL AUTHORITIES HAVING JURISDICTION.
- SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: SPRINKLER DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR EQUIVALENT CONTRACTORS FIRE SPRINKLER CERTIFICATE SEAL AND APPROVAL STAMP OF LOCAL CODE AUTHORITY; SPRINKLER PIPING, SPRINKLER HEADS, HOSE RACKS, HYDRANTS AND VALVES; PUMPS, CONTROLLERS AND ACCESSORIES; TANKS AND ACCESSORIES. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE OWNERS INSURANCE UNDERWRITER PRIOR TO BEING SUBMITTED TO THE ARCHITECT.
- CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRING FOR THE VOLTAGES SHOWN THEREIN.
- ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
- ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
- ALL SPRINKLER SYSTEMS SHALL BE DESIGNED TO THE AVAILABLE CITY WATER SUPPLY. CONTRACTOR SHALL HAVE CURRENT FLOW TEST PERFORMED PRIOR TO DESIGN.
- ALL SPRINKLER SYSTEM RISERS SHALL INCLUDE AN ALARM CHECK VALVE, WATER MOTOR GONG, FLOW SWITCH, ETC.
- HYDRAULIC CALCULATIONS SHALL INCLUDE AN ALLOWANCE FOR INSIDE AND OUTSIDE HOSE STREAMS.
- FIRE PROTECTION SUBCONTRACTOR SHALL FURNISH AND INSTALL 2A RATED 10 LB. FIRE EXTINGUISHERS FOR EVERY 3000 SQ. FT. OF FLOOR AREA. EXTINGUISHERS SHALL BE LOCATED TO MINIMIZE TRAVEL DISTANCE TO 75 FEET.
- ALL MAJOR VALVES SHALL HAVE U.L. LISTED SUPERVISORY SWITCHES COMPATIBLE WITH THE OWNERS CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES SHALL BE BY OTHERS.
- GROOVED (MECHANICAL) COUPLINGS SHALL NOT BE USED OVER OR NEAR ELECTRICAL SWITCHGEAR, PANELS, TRANSFORMERS, ETC.
- ALL SPRINKLER PIPING SHALL BE ROUTED TO MAINTAIN MINIMUM CLEAR HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS.
- ALL DRY PIPE SPRINKLER SYSTEMS (ATTICS AND GARAGES) SHALL BE COMPLETE WITH OS&Y GATE VALVES AND DRY PIPE VALVES, AIR COMPRESSORS, WATER MOTOR GONGS, ACCESSORIES AND PRESSURE SWITCHES COMPATIBLE WITH THE OWNERS CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES WILL BE BY OTHERS.
- ALL PIPING ON THE SYSTEM SIDES OF DRY PIPE OR PREACTION VALVES SHALL BE GALVANIZED CLASS 150 AND 300 MALLEABLE IRON THREADED FITTINGS, ANSI B16.1.

PLUMBING FIXTURE & CONNECTION SCHEDULE

| FIXTURE # | DESCRIPTION | FIXTURE MFG. | WASTE | HOT WATER SUPPLY | COLD WATER SUPPLY | NOTES |
|-----------|--------------------------------|----------------------------|--------|------------------|-------------------|------------|
| WC-1 | WATER CLOSET-PRIVATE | REFER TO INTERIORS PACKAGE | 3" | --- | 1/2" | 3, 4 |
| WC-1H | WATER CLOSET-PRIVATE-HC | REFER TO INTERIORS PACKAGE | 3" | --- | 1/2" | 3, 4, 6 |
| WC-2 | WATER CLOSET-PUBLIC | REFER TO INTERIORS PACKAGE | 3" | --- | 1/2" | 3, 4 |
| WC-2H | WATER CLOSET-PUBLIC-HC | REFER TO INTERIORS PACKAGE | 3" | --- | 1/2" | 3, 4, 6 |
| L-1 | COUNTERTOP LAVATORY | REFER TO INTERIORS PACKAGE | 1 1/4" | 1/2" | 1/2" | 2, 3, 4 |
| L-1 | COUNTERTOP LAVATORY-HC | REFER TO INTERIORS PACKAGE | 1 1/4" | 1/2" | 1/2" | 2, 3, 4 |
| L-2 | COUNTERTOP LAVATORY-HC PUBLIC | REFER TO INTERIORS PACKAGE | 1 1/4" | 1/2" | 1/2" | 2, 3, 4 |
| UR-1 | URINAL-HC | REFER TO INTERIORS PACKAGE | 2" | --- | 3/4" | |
| BT-1 | GARDEN TUB/SHOWER | REFER TO INTERIORS PACKAGE | 1 1/2" | 1/2" | 1/2" | 1, 8 |
| BT-2H | STANDARD TUB/SHOWER - HC | REFER TO INTERIORS PACKAGE | 1 1/2" | 1/2" | 1/2" | 1, 8 |
| SH-1 | SHOWER | REFER TO INTERIORS PACKAGE | | | | 8 |
| SH-2 | SHOWER | REFER TO INTERIORS PACKAGE | | | | 8 |
| KS-1 | KITCHEN SINK W/DISPOSAL | REFER TO INTERIORS PACKAGE | 1 1/2" | 1/2" | 1/2" | 3, 4, 5, 7 |
| S-1 | LEASING SINK | REFER TO INTERIORS PACKAGE | 1 1/2" | 1/2" | 1/2" | 3, 4, 5, 7 |
| S-2 | BLENDHOSE SINK | REFER TO INTERIORS PACKAGE | 1 1/2" | 1/2" | 1/2" | 3, 4, 5, 7 |
| EW-1 | BI-LEVEL ELEC. WATER COOLER-HC | REFER TO INTERIORS PACKAGE | 1 1/4" | --- | 1/2" | 2, 3, 4 |
| WM-1 | WASHER BOX | REFER TO INTERIORS PACKAGE | | | | |
| IM-1 | ICE MAKER SUPPLY | REFER TO INTERIORS PACKAGE | 2" | 1/2" | 1/2" | --- |
| MS-1 | MAINTENANCE SINK | REFER TO INTERIORS PACKAGE | 1 1/2" | 1/2" | 1/2" | 3, 4, 5 |

- NOTES:
- PROVIDE OATEY MODEL 46100 TUB DRAIN.
 - PROVIDE 1-1/4" x 1-1/2" PVC TRAP WITH UNION.
 - PROVIDE OATEY 3/8" CLADFLEX RISERS.
 - PROVIDE BRASS CRAFT CHROME PLATED 1/2" x 3/8" COMPRESSION STOPS.
 - PROVIDE 1-1/2" x 1-1/2" PVC TRAP WITH UNION.
 - FLUSH LEVER SHALL BE LOCATED ON THE APPROACH SIDE OF THE TANK AT ACCESSIBLE INSTALLATIONS.
 - PROVIDE 3-1/2" DRAIN ASSEMBLY WITH STAINLESS BASKET STRAINER AND WASTE PIPING FOR CONNECTION AT DISPOSAL.
 - PROVIDE 1/2" COPPER RISER FROM SHOWER/TUB VALVE TO SHOWER HEAD.

WATER HEATER SCHEDULE

| SYMBOL | MANUFACTURER/ MODEL NO. | STORAGE CAPACITY GALLONS | GPH REC. @ 90°F RISE | OUTLET TEMPERATURE | ELECTRICAL CRITERIA | | GAS CRITERIA | | NOTES |
|--------|-------------------------|--------------------------|----------------------|--------------------|---------------------|-----------|--------------|-----|-------|
| | | | | | KW INPUT | BTU INPUT | FLUE SIZE | | |
| EW-1 | STATE E56 50 DOLS | 50 | 21 | 120°F | 6.0 | N/A | N/A | 1-5 | |
| EW-1T | STATE E56 52 DORT | 50 | 21 | 120°F | 6.0 | N/A | N/A | 1-5 | |
| EW-2 | STATE E56 50 DOLS | 50 | 27 | 120°F | 6.0 | N/A | N/A | 1-5 | |
| EW-2T | STATE E56 52 DOLS | 50 | 27 | 120°F | 6.0 | N/A | N/A | 1-5 | |
| EW-3 | EDMAX EX48 | --- | 37°F RISE @ 1.0 GPM | 104°F | 4.8 | N/A | N/A | 1-5 | |

- NOTES:
- PROVIDE EXPANSION TANK SIZED PER THE WATER HEATER MANUFACTURER'S RECOMMENDATION OR EXPANSION VALVE AS ALLOWED BY LOCAL OFFICIALS.
 - T&P RELIEF VALVE.
 - PROVIDE HEAT TRAP FITTINGS ON HOT AND COLD WATER CONNECTIONS AND BALL VALVE ON COLD WATER SUPPLY TO HEATER.
 - ALL UNITS SHALL MEET 2003 INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS. THE WATER HEATER MANUFACTURER SHALL PROVIDE HEATERS WITH INTEGRAL HEAT TRAPS ON THE COLD AND HOT WATER CONNECTIONS.
 - ROUTE DRAIN PAN AND T&P RELIEF TO DRAIN/EXTERIOR, SEE WATER HEATER DETAIL.
- APPROVED ALTERNATES: A.O. SMITH, RHEEM, LOCHINVAR

PUMP SCHEDULE

| SYMBOL | SERVICE LOCATION | TYPE | FLOW (GPM) | HEAD (FEET) | RPM | HP | NOTES |
|---------|--------------------|-------------|------------|-------------|------|-----|---|
| SP-1, 2 | ELEVATOR SUMP PUMP | SUBMERSIBLE | 50 | 43' | 3450 | 1/2 | HYERS MODEL M60S SUBMERSIBLE PUMP WITH UNION, CHECK AND GATE VALVE ON DISCHARGE, MFS-20 MECHANICAL FLOAT SWITCH. (APPROX. 3'-0" SQUARE x 3'-0" DEEP SUMP PIT) |



REVISIONS

| NO. | DATE | REVISIONS |
|-----|------------|--------------------|
| 1 | 9-2-2011 | DESIGN REVISIONS |
| 2 | 9-13-2011 | ANSI/FHA COMMENTS |
| 3 | 9-23-2011 | DESIGN REVISIONS |
| 4 | 10-17-2011 | CONSTRUCTION ISSUE |

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11129

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P-0.1

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