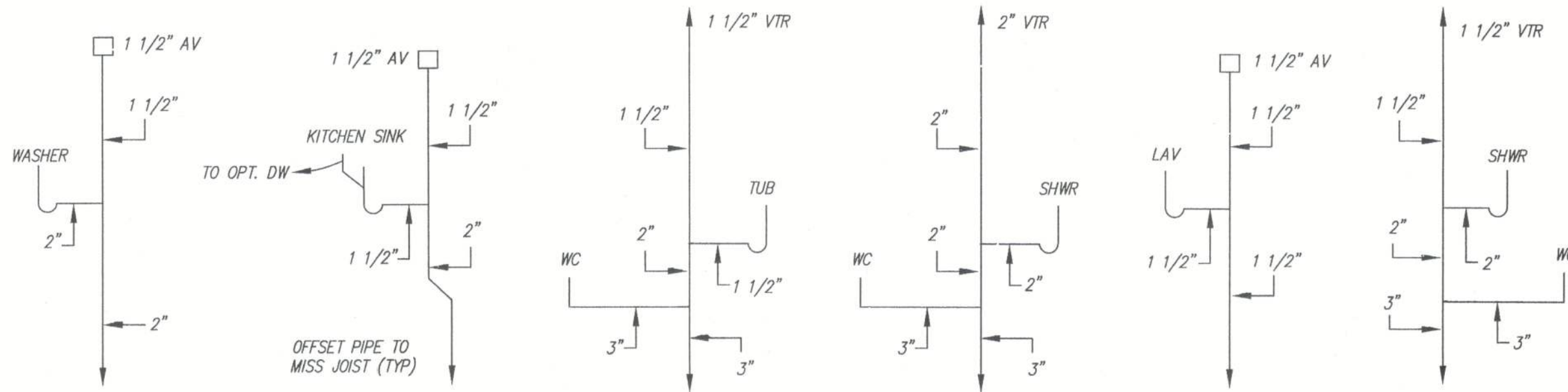
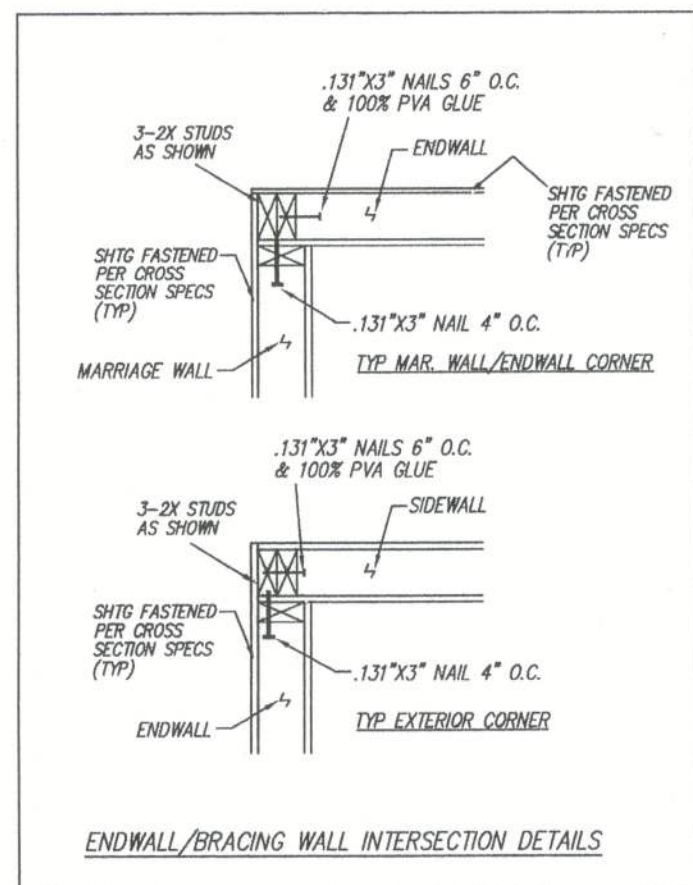




LISTING
AGENCY APPROVAL

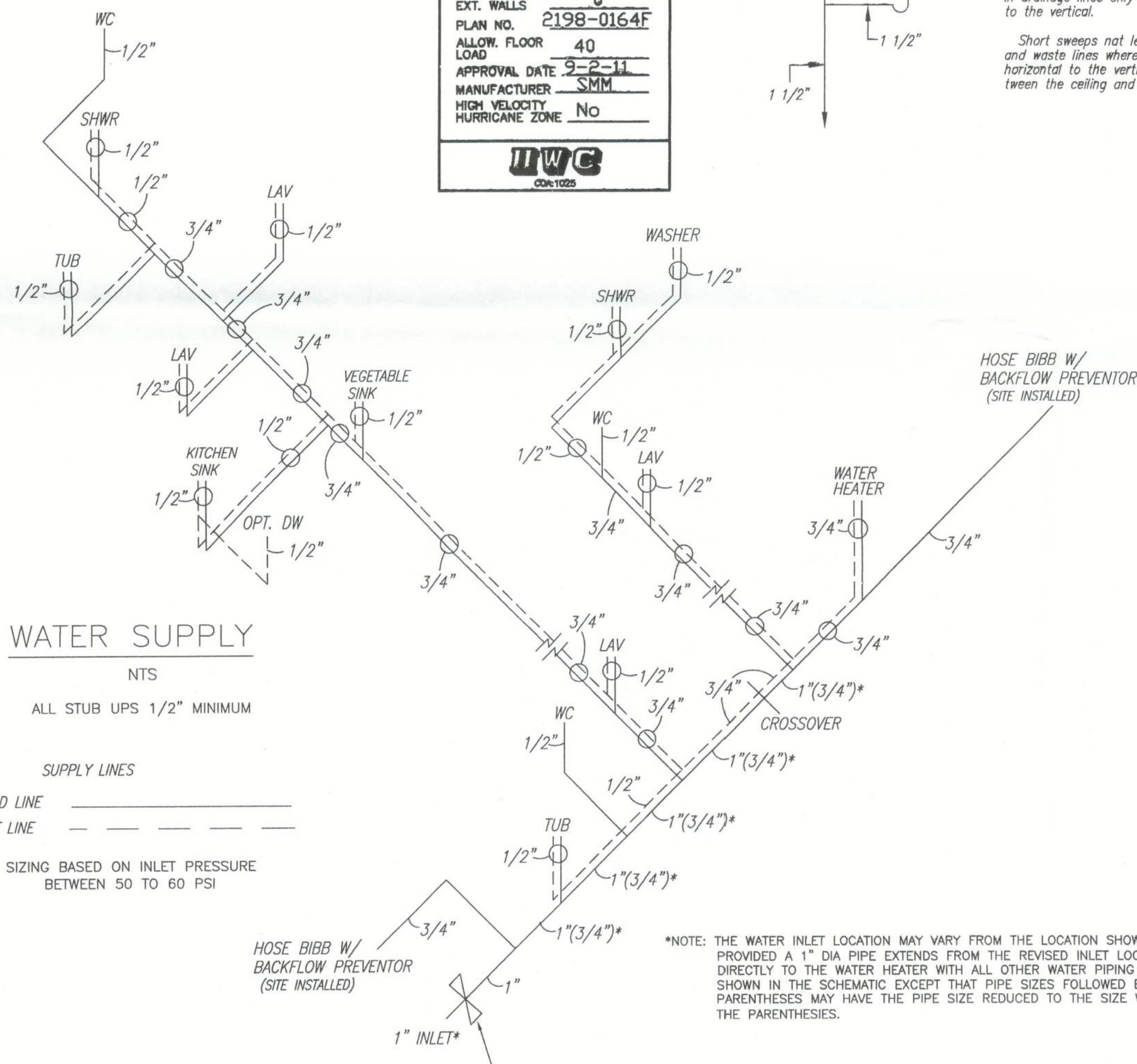
THESE PRINTS COMPLY WITH THE
FLORIDA MANUFACTURED BUILDING ACT
OF 1979 CONSTRUCTION CODE AND
ADHERE TO THE FOLLOWING CRITERIA

CONST. TYPE V-B
OCCUPANCY R-3
ALLOWABLE NO. OF FLOORS 1
WIND VELOCITY(3 SEC) 130
FIRE RATING OF EXT. WALLS 0
PLAN NO. 2198-0164F
ALLOW. FLOOR LOAD 40
APPROVAL DATE 9-2-11
MANUFACTURER SMM
HIGH VELOCITY HURRICANE ZONE No

DWG
C041025

Change in direction in Schedule 40 DWV -PVC and ABS drainage piping shall be made by the appropriate use of 45° (0.785 rad) wyes, quarter bends or long sweep quarter bends, one-sixth, one-eighth, one-sixteenth bends, or by a combination of these or equivalent fittings. Single and double sanitary tees and quarter bends may be used in drainage lines only where the direction of flow is from the horizontal to the vertical.

Short sweeps not less than 3 inches diameter may be used in soil and waste lines where the change in direction of flow is from the horizontal to the vertical and may be for making necessary offsets between the ceiling and the next floor above.



INSTALL AN ACCESSIBLE 1" MAIN SHUTOFF VALVE NEAR THE ENTRANCE OF THE WATER SERVICE. THE VALVE SHALL BE A FULL-OPEN TYPE HAVING NOMINAL RESTRICTION TO FLOW WITH PROVISIONS FOR DRAINAGE SUCH AS A BLEED ORIFICE OR INSTALLATION OF A SEPARATE DRAIN VALVE [SHUTOFF VALVE(S) TO BE SITE INSTALLED]

*NOTE: THE WATER INLET LOCATION MAY VARY FROM THE LOCATION SHOWN PROVIDED A 1" DIA PIPE EXTENDS FROM THE REVISED INLET LOCATION DIRECTLY TO THE WATER HEATER WITH ALL OTHER WATER PIPING AS SHOWN IN THE SCHEMATIC EXCEPT THAT PIPE SIZES FOLLOWED BY PARENTHESES MAY HAVE THE PIPE SIZE REDUCED TO THE SIZE WITHIN THE PARENTHESES.

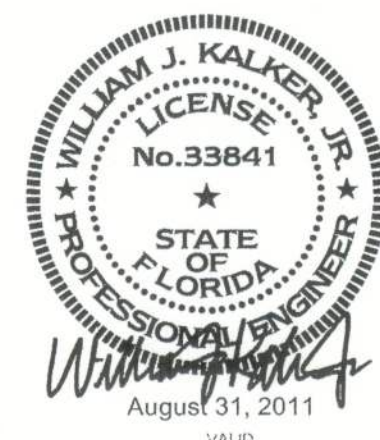
SUPPLEMENTAL NOTES:

SHOWER UNITS TO BE PRE-MANUFACTURED AND SHALL HAVE AT LEAST 900 SQUARE INCHES OF INTERIOR CROSS-SECTIONAL AREA WITH AN INTERIOR DIMENSION OF NOT LESS THAN 30 INCHES, EXCLUSIVE OF FIXTURE VALVES, SHOWER HEADS, SOAP DISHES AND GRAB BARS OR RAILS, AND SHALL HAVE WATER RESISTANT WALL SURFACES EXTENDING A MINIMUM OF 72 INCHES ABOVE THE SHOWER DRAIN OUTLET. HINGED SHOWER DOORS SHALL OPEN OUTWARD. FOLD-DOWN SEATS ARE ACCEPTABLE PROVIDED THE REQUIRED 900 SQUARE INCH MINIMUM AREA IS MAINTAINED WITH THE SEAT IN THE FOLDED-UP POSITION.

A THERMAL EXPANSION TANK MUST BE INSTALLED BETWEEN THE INLET SHUTOFF VALVE AND ALL STORAGE WATER HEATER TANKS TO CONTROL PRESSURES IN THE WATER SUPPLY SYSTEM CAUSED BY WATER THERMAL EXPANSION. (TO BE SITE INSTALLED)

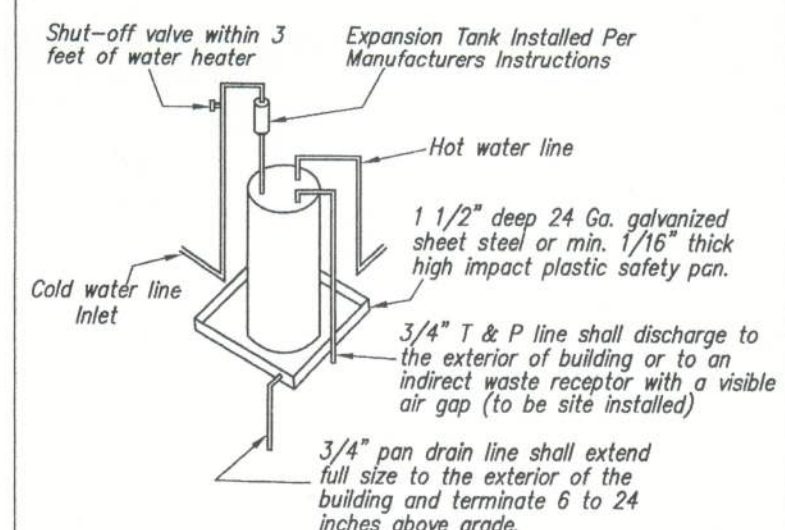
IN AREAS WHERE HOSE BIBBS ARE SUBJECT TO FREEZING, THE HOSE BIBBS SHALL BE EQUIPPED WITH AN ACCESSIBLE STOP-AND-WASTE-TYPE VALVE INSIDE THE BUILDING TO PERMIT DRAINING OF THE HOSE BIBB DURING COLD PERIODS.

STORAGE WATER HEATERS NOT EQUIPPED WITH INTEGRAL HEAT TRAPS AND HAVING VERTICAL PIPE RISERS SHALL HAVE HEAT TRAPS INSTALLED ON BOTH THE INLETS AND OUTLETS. EXTERNAL HEAT TRAPS SHALL CONSIST OF EITHER A COMMERCIALY AVAILABLE HEAT TRAP OR A DOWNWARD AND UPWARD BEND OF AT LEAST 3-1/2 INCHES IN THE HOT WATER LINE AND COLD WATER LINE AS CLOSE AS POSSIBLE TO THE STORAGE TANK.



PLUMBING NOTES:

1. Tub access provided under home unless otherwise noted.
2. All plumbing fixtures shall have separate shut-off valves.
3. Water heater shall have safety pan with drain to exterior. T & P relief valve with drain to exterior. And a shut-off valve within 3 feet on the cold water supply line.
4. DWV system shall be either ABS or PVC-DWV.
5. Water supply lines shall be Copper Tube (Type K or L) or PEX. Water supply lines may be stubbed through the floor (only) with the on-site installation of all lines below the floor to be in accordance with the specifications on this drawing.
6. Water closets average water usage shall not exceed 1.6 gal./flush.
7. Building drain and cleanouts are designed and site installed by others, subject to local jurisdiction approval. Underfloor trap arms not installed in the factory due to possible in-transit damage are to be site installed in accordance with the specifications on this drawing.
8. An accessible shut off valve shall be provided ahead of the first outlet or branch connection to the service or distribution pipe. This shut-off valve may be site installed.
9. Sinks and lavs shall not use more than 2.2 gal./min @ 60 PSI.
10. Shower heads shall not use more than 2.5 gal./min @ 80 PSI per ANSI Std A 112.18.1M.
11. All showers to have temperature of water controlled by a pressure-balance, thermostatic-mixing or combination pressure-balance/thermostatic-mixing valve to limit the water temp. to 120°F (valve to comply w/ASSE 1016 or CSA-B125).
12. All bathtubs to have temperature of water controlled by a water-temperature-limiting device to limit the water temperature to 120°F (device to comply w/ASSE 1070) except when the water temp. protection is provided by a combination tub/shower valve as specified in note 11.
13. Air admittance valves (AV) shall conform to ASSE 1051. The AV valves shall be located a minimum of 4 inches above the horizontal drain or fixture drain being vented and must be installed in well ventilated spaces or provided with ventilated access doors.
14. When metal water supply lines are installed, water hammer arrestors must also be installed where quick closing valves are utilized (i.e., dishwashers, clothes washers, ice makers or other quick closing devices with solenoid valves). Arrestors must comply with ASSE/ANSI 1010 and must be installed in accordance with the manufacturers instructions.
15. An approved thermal expansion device shall be installed in the water supply system in accordance with the manufacturers installation instructions. (this device is required when backflow preventors, pressure reducing valves, check valves or storage water heaters are installed in the water supply system which may prevent pressure relief in the system)



NOTES:

1. Water heater shall be provided with a cold water "Dip" tube with a hole at the top or a vacuum relief valve installed in the cold water supply line above the top of the water heater tank; bottom fed water heaters shall have a vacuum relief valve complying with ANSI Z21.22 installed.
2. Water heaters shall be provided with a temperature and pressure relief valve complying with ANSI Z21.22 installed in the shell of the water heater tank. The valve shall be actuated by the water in the top 6 inches of the tank and shall have a temperature rating of not more than 210°F and a pressure setting not exceeding the tanks rated working pressure or 150 psi, whichever is less.
3. Water heaters shall be equipped with an energy cutoff device that will cut off the supply of heat energy to the water tank before the temperature of the water in the tank exceeds 210°F.

TOWN HOMES LLC

P.O. BOX 1059
LAKE CITY, FLORIDA 32056

DATE: 08/11/11	REVISIONS:	DRAWN BY: C.A. Leblanc
CODES: FBC		
LABELS: FL		
SCALE: NTS		
MODEL: 2945-1084	PLAN NO. TH-71FL	SHEET 5 OF 6
PLUMBING		
WILLIAM J. KALKER, JR., P.E. CONSULTING ENGINEER P.E. LICENSE #33841	33 ROCKWOOD LANE MONROE, CT 06468 (203) 261-1167	