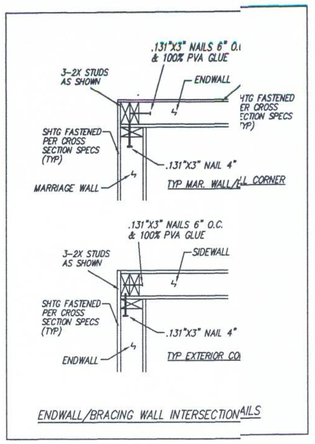
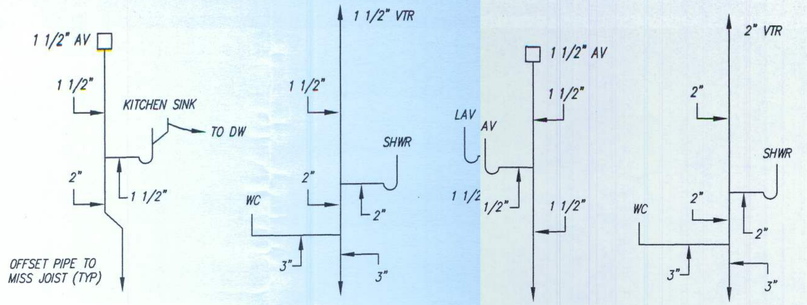
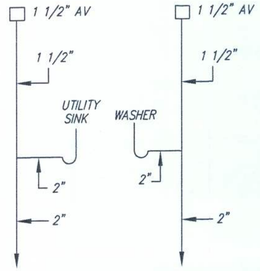


ENDWALL/BRACING WALL INTERSECTION NAILS



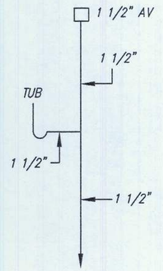


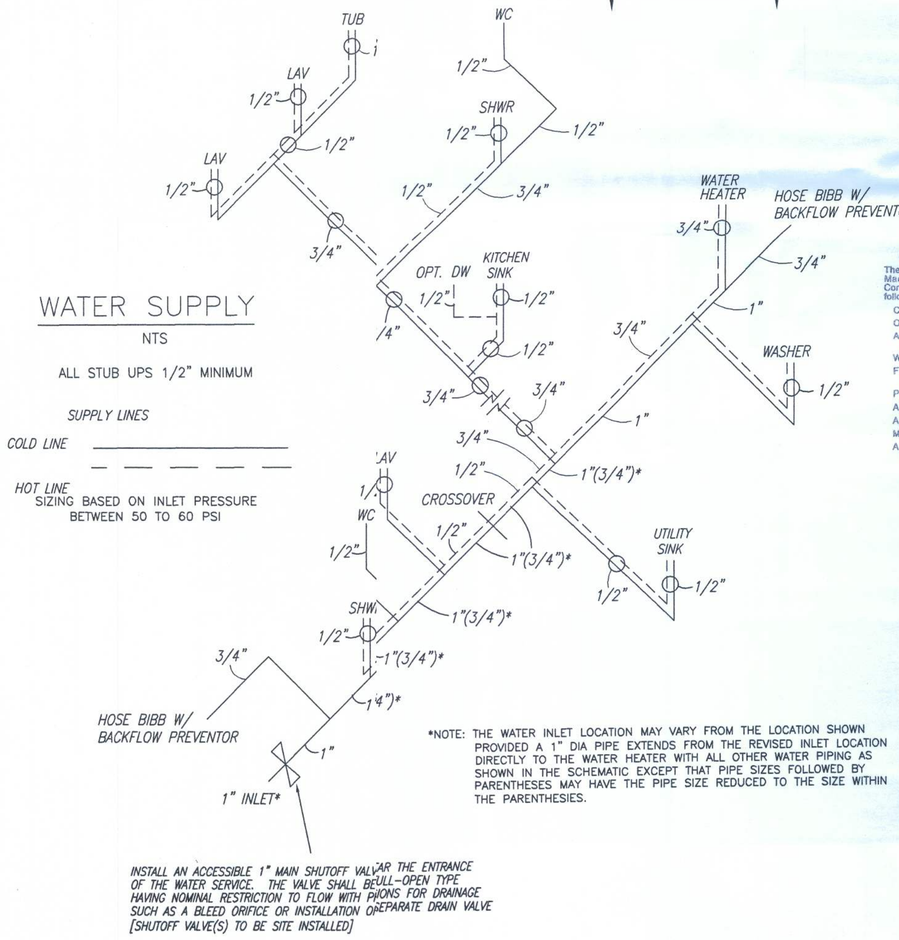
DWV RISER

NTS

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

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





WATER SUPPLY

NTS

ALL STUB UPS 1/2" MINIMUM

SUPPLY LINES

COLD LINE

HOT LINE
SIZING BASED ON INLET PRESSURE BETWEEN 50 TO 60 PSI

*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 PARENTHESIES.

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

LISTING AGENCY APPROVAL

These prints comply with the Florida Manufactured Building Act of 1978 Construction Code and adhere to the following criteria:

Const. Type	V-B
Occupancy	R-3
Allowable No. of Floors	1
Wind Velocity	130 (3sec)
Fire Rating of Ext. Walls	0
Plan No.	2498-0161 F
Allow. Floor Load	40
Approval Date	7-26-11
Manufacturer	Town Homes
Approved for High Velocity Hurricane Zone	No

HWC
COA # 1025

SUPPLEMENTAL NOTES:

SHOWER UNITS T TO BE PRE–MANUFACTURED AND SHALL HAVE AT LEAST 9 ST 900 SQUARE INCHES OF INTERIOR CROSS– SECTIONAL AREA THAN 30 INCHES EA WITH AN INTERIOR DIMENSION OF NOT LESS HEADS, SOAP DISHES, EXCLUSIVE OF FIXTURE VALVES, SHOWER HAVE WATER RES DISHES AND GRAB BARS OR RAILS, AND SHALL MINIMUM OF 72 IRESISTANT WALL SURFACES EXTENDING A HINGED SHOWER 72 INCHES ABOVE THE SHOWER DRAIN OUTLET. SEATS ARE ACCEVER DOORS SHALL OPEN OUTWARD. FOLD–DOWN INCH MINIMUM ARCCEPTABLE PROVIDED THE REQUIRED 900 SQUARE FOLDED–UP POSI AREA IS MAINTAINED WITH THE SEAT IN THE POSITION.

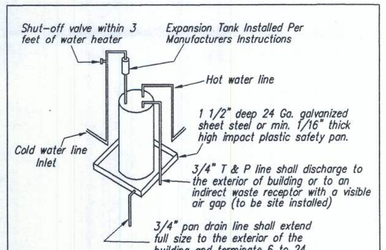
A THERMAL EXPA THE INLET SHUTOXPANSION TANK MUST BE INSTALLED BETWEEN TANKS TO CONTRHUTOFF VALVE AND ALL STORAGE WATER HEATER SYSTEM CAUSED ONTROL PRESSURES IN THE WATER SUPPLY SITE INSTALLED) ED BY WATER THERMAL EXPANSION. (TO BE D)

IN AREAS WHERE THE HOSE BIBBS ERE HOSE BIBBS ARE SUBJECT TO FREEZING, STOP–AND–WASTIBBS SHALL BE EQUIPPED WITH AN ACCESSIBLE PERMIT DRAINING ASTE–TYPE VALVE INSIDE THE BUILDING TO ING OF THE HOSE BIBB DURING COLD PERIODS,

STORAGE WATER TRAPS AND HAVIER HEATERS NOT EQUIPPED WITH INTEGRAL HEAT TRAPS INSTALLED HAVING VERTICAL PIPE RISERS SHALL HAVE HEAT HEAT TRAPS SHALLED ON BOTH THE INLETS AND OUTLETS. EXTERNAL AVAILABLE HEAT SHALL CONSIST OF EITHER A COMMERCIALLY AT LEAST 3–1/2 AT TRAP OR A DOWNWARD AND UPWARD BEND OF WATER LINE AS C 1/2 INCHES IN THE HOT WATER LINE AND COLD 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 distri– bution 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 man– ufacturers 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 vacum 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.

TYPICAL WATER HEATER DETAIL

NTS

WILLIAM J. KALKER, JR. LICENSE No.33841 STATE OF FLORIDA PROFESSIONAL ENGINEER

7/26/11

TOWN HOMES LLC

P.O. BOX 1059
LAKE CITY, FLORIDA 32056

DATE: 07/08/11		
CODES: FBC		
LABELS: FL	REVISIONS:	DRAWN BY: C.A.Leblanc
SCALE: NTS		
MODEL: 2944–1083 PLUMBING	PLAN NO. TH–70FL	SHEET 5 OF 6

WILLIAM J. KALKER, JR., P.E.
CONSULTING ENGINEER
P.E. LICENSE #33841
33 ROCKWOOD LANE
MONROE, CT 06468
(203) 261–1167