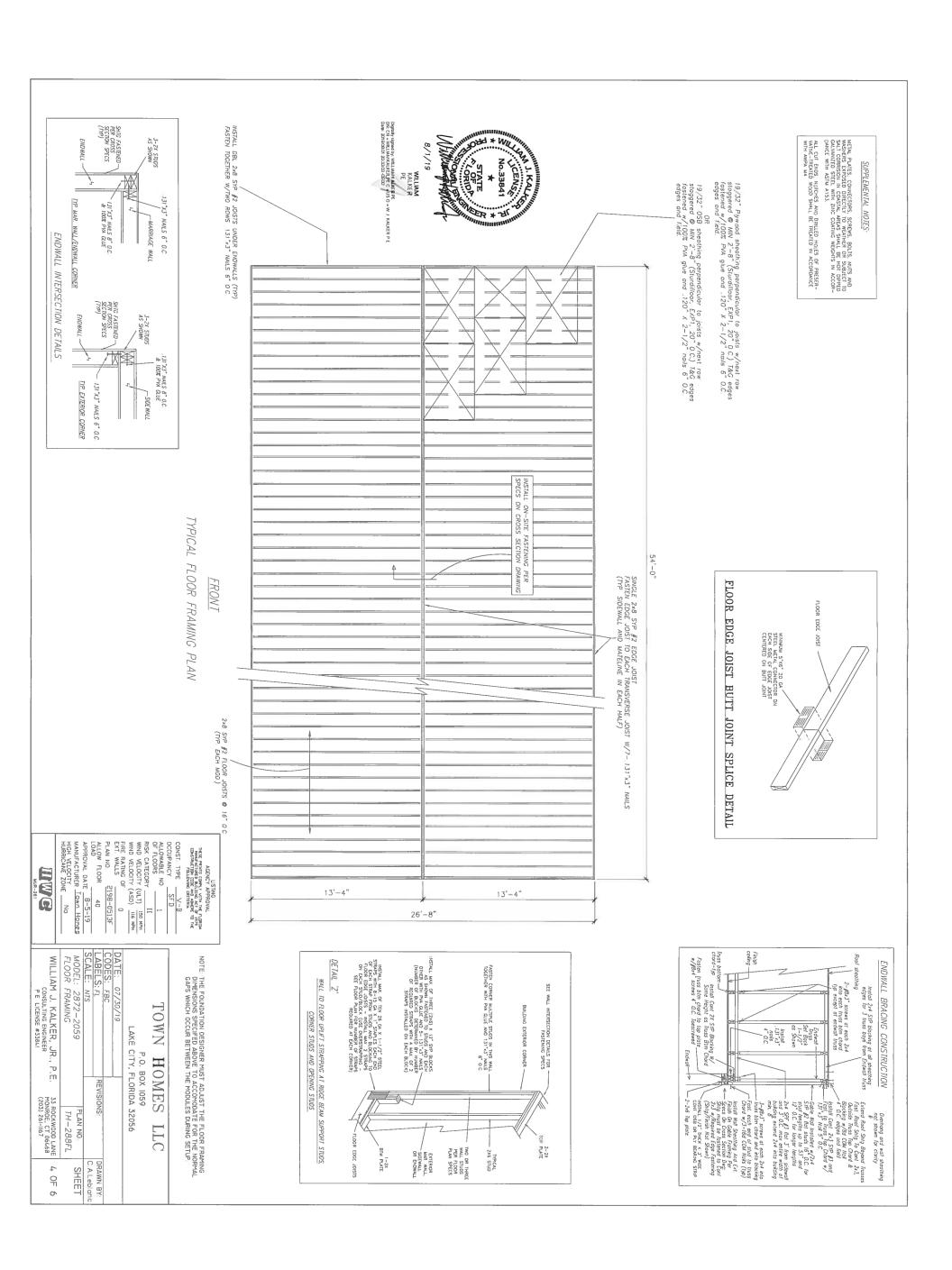


SHEET





APPROVAL DATE 8-5-19 40

ALLOW. FLOOR LOAD

HOT LINE \_\_\_ SIZING BASED ON INLET PRESSURE BETWEEN 50 TO 60 PSI HOSE BIBB W/ / BACKFLOW PREVENTER 17(3/47)

NSTAL M. ACCESSEE I \* MAN SHITOFF MUE NEAD HE ENTRANCE OF THE MUTEY SERVET. THE WALE SHALL BE A TALL-DEN YER SHAME KANALL RESTRETAN IN TOM WITH PROVESIONS FOR DRAIMOE SUCH AS A BEETO DRAFEE OR RESTALLATION OF A SEPARATE DRAW MATE (SHATOFF MATE(S) TO BE SITE INSTALLED)

MANUFACTURER LOWN HOMES

JURRICANE ZONE No

HWG

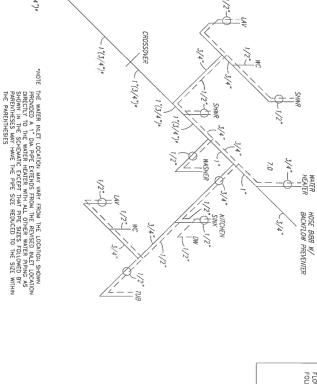
TYP 2 PLACES

KITCHEN SINK



Change in direction in Schedule 40 DWV -PVC and ABS drainage pring shall be made by the appropriate use of 45° (0/85 rad) wys. pring shall be made by the appropriate use of 45° (0/85 rad) wys. puries bends or long sweep quarter bends, one-sighth, one-eighth, are sighth, one-eighth, one-by a combination of these or equivalent fill—are sixteenth bends, or by a combination of these or equivalent fill grant by the state of the sixteenth process o

Short sweeps nat less than 3 inches diameter may be used in soil of waste lines where the change in direction of flow is from the vizantal to the vertical and may be for making necessary offsets been the ceiling and the next floor above



WATER SUPPLY

ALL STUB UPS 1/2" MINIMUM

SIN

SUPPLY LINES



SUPPLEMENTAL NOTES:

IN AREAS WHERE HOSE BIBBS ARE SUBJECT TO FREEZING.
THE HOSE BIBBS SHALL BE EQUIPPED WITH AM ACCESSIBLE
STOP—AND—MASTE—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 HAWNG VERTICAL PIPE RISERS SHALL HAVE HEAT TRAPS INSTALLED ON BOTH THE INLITS AND DUTLETS EXTERIAL HEAT TRAPS SHALL CONSIST OF EITHER A COMMERCIALLY ANALIBLE HAT TRAP OR A DOWNWARD AND UPWARD BOND OF AT LEAST 3-1/2 INCHES IN THE HOT WATER LINE AND COLD WATER LINE AS CLOSE AS POSSIBLE TO THE STORAGE TANK

INSULATION WITH A MINIMUM THERMAL RESISTANCE OF R-3
SMALL BE INSTALLED ON ALL HOT WHITE PIEF FROM THE WATER
HEATER TO A DISTRIBUTION MANIFOLD AND DAY ALL HOT WATER
PIEF LOCATED OUTSIDE THE CONDITIONS SPACE IN ADDITION,
NSULATION WHITH A MINIMUM THERMAL RESISTANCE OF R-3
SMALL BE INSTALLED ON ALL J/4 DIAMMETER AND LARGER HOT
HOT WATER SUPPLY PIEF

FLOW RATES FOR PLUMBING FIXTURES SHALL NOT EXCEED THE FOLLOWING RATES.

LAVATORY 2.2 GPM AT 60 PSI
SHOWER HEAD 2.5 GPM AT 80 PSI
HAND HELD SHOWER SPRAY 2.5 GPM AT 80 PSI
SINK FAUCET 2.2 GPM AT 60 PSI
WATER CLOSET 1.6 GALLONS PER FLUSH CYCLE

SHOWER UNITS TO BE PRE-MANIFACTIVED AND SHALL HAVE AT LEAST 900 SOUARE RICHES OF MITERIOR CROSS. SECTIONAL AREA WITH AN INTERIOR DAMENSION OF HOT LESS THAN 30 STATES AND THE STATES AND THAN 30 STATES AND

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

12

10. Shower heads shall not use more than 2.5 gal/min @ 80 PS per ANS Std A 112 18.1M

11. All showers to have temperature of water controlled by a pressure-bolance, thermostatic-maning or combination pressure-bolance, thermostatic-maning or combination pressure-bolance, thermostatic-maning vive to limit the water temperature for water cempt to 120°F (valve to comply w/ASSE 1016 or CSA-B125)

12. All bothibus to have temperature of water controlled by a water-temperature to 120°F (deve to comply w/ASSE 1016 or CSA-B125)

2. All bothibus to have temperature of water controlled by a water-temperature to 120°F (deve to comply w/ASSE 1016 or CSA-B125)

2. All bothibus to have temperature of water controlled by a combination tub/shower valve as specified in note 11

2. Air admittance valves (AV) shall contain to ASSE 1051 The AV valves shall be installed in well ventitated spaces or provided with ventitated access doors.

14. When metal water supply lines are installed, water hammer arrestors must comply with ASSE/ANSI 1010 and must be installed in accordance with the manufacturers instructions. The water supply system in accordance with the manufactures instructions. An approved themal expansion device shall be installed in the water supply system which may prevent pressure relief in the supply system which may prevent pressure relief in the system) system which may prevent pressure relief in the system) system which may prevent pressure relief in the highest acceptable temperature settings for the intended use. The aminum temperature setting range shall be from 100 Deg F to 140 Deg F. 13.

15

Shut-off valve within 3 feet of water heater d water line Inlet 3/4" pan drain line shall extend
\_\_full size to the exterior of the
building and terminate 6 to 24
inches above grade. Expansion Tank Installed Per Manufacturers Instructions 3/4" T & P line shall discharge to the exterior of building or to on indirect waste receptor with a visible air gap (to be site installed) 1 1/2" deep 24 Ga. galvanized sheet steel or min 1/16" thick high impact plastic safety pan Hot water line

Water heater shall be provided with a cold water "Dip" tube with a hole of the top or a varum relief which installed in the cold water supply fine above the top of the water heater tank, bottom fed water heaters shall have a vacuum relief with complying with AMSI 2212 anstalled.

Water heaters shall be provided with a temperature and pressure relief water heater tank. The volve shall be actuated by the water in the top 6 suches of the tonk and shall have a temperature raiting of not make than 210°F and a pressure setting and exceeding the tanks raited working pressure or 150 ps.

Whichever is shall be equipped with an energy cutoff device. Water water 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.

WATER HEATER DETAIL

TOWN HOMES

	TH-288FL		PLUMBING
SHEET	PLAN NO.	-2059	MODEL: 2872-2059
C.A.Leblanc			SCALE: NTS
DRAWN BY:	REVISIONS:	REVI	LABELS: FL
			CODES: FBC
		9	DATE: 07/30/19
	DA 32056	LAKE CITY, FLORIDA 32056	
	24	F.O. BOX 1039	

WILLIAM J. KALKER, JR., P.E.
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P.E LICENSE #35841

33 ROCKWOOD LANE MONROE, CT 06468 (203) 261-1167

5 OF 6

Digitally signed by: WILLIAMKALKER PE ON: CN = WILLIAMKALKER PE C = US O = W. J. KALKER P.E. Date: 2019.08.01 20.31:55-0500

8/1/19

KALKER WILLIAM

PLUMBING NOTES

closets average water usage shall not exceed 1.6 gal

7 Building drain and cleanouts are designed and site installed by others, subject to local jurisdiction approval theefloor trop 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 stut off valve shall be provided ofhered of the first outlet or branch connection to the service or distribution pipe. This shut-off valve may be site installed.

9. Sinks and laws shall not use more than 2.2 ga/min & 60.PS.

I lub access provided under home unless otherwise noted.

2 All plumbing failures shall hove separate shull-off valves.

3 Water heater shall hove safely pan with drain to exterior.

If & P relief valve with drain to exterior, And a shull-off valve within 3 feet on the cold water supply line.

4 DWY system shall be ethere ABS or PVC-DWY.

BY Water supply lines shall be Capper Tube (Type K or L) or SWIder supply lines shall be Capper Tube (Type K or L) or SWIDER. Water supply lines may be subbed through the floor (only) with the on-site installation of all lines below the floor to be in accordance with the specifications on this criewing.

