

NOTE: ALL BRANCH CIRCUITS SUPPLYING 15 AND 20 AMP OUTLETS IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, LIBRARIES, DENS, BEDROOMS, CLOSETS, HALLWAYS, RECREATION ROOMS OR SIMILAR AREAS MUST BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER IN ACCORDANCE WITH SECTION 210.12 OF THE NEC. (CIRCUITS 1, 2, 3, 7, 8 AND 13 MUST BE PROTECTED BY AN ARC-FAULT TYPE CIRCUIT BREAKER)

NOTE: HVAC SYSTEM TO BE DESIGNED BY OTHERS, SUBJECT TO THE THIRD PARTY AND/OR LOCAL BUILDING OFFICIAL REVIEW AND APPROVAL.

ELECTRICAL NOTES: NEC

- All circuits and equipment shall be grounded in accordance with the appropriate articles of the NEC.
- When light fixtures are installed in closets they shall be surface mounted or recessed. Incandescent fixtures shall have completely enclosed lamps. Surface mounted incandescent fixtures shall have minimum clearance of 12 inches and all other fixtures shall have a minimum clearance of 8 inches from "Storage Area" as defined by NEC 410-8.
- When water heaters are installed they shall be provided with readily accessible disconnects adjacent to the water heaters served. The branch circuit switch or circuit breakers shall be permitted to serve as disconnecting means only where the switch or circuit breaker is within sight from the water heater or is capable of being locked in the open position.
- HVAC equipment shall be provided with readily accessible disconnects adjacent to the equipment served. A unit switch with a marked "OFF" position that is a part of the HVAC equipment and disconnects all ungrounded conductors shall be permitted as the disconnecting means where other disconnecting means are also provided by a readily accessible circuit breaker.
- Prior to energizing the electrical system the interrupting rating of the main breaker must be designed and verified by as being in compliance with section 110-9 of the NEC by local electrical consultant.
- The main electrical panel, service disconnect (main circuit breakers) and feeders are site installed, designed by others and subject to local jurisdiction review and approval.
- All circuits crossing over modular mating line(s) shall be site connected with approved accessible junction boxes, located below the floor or in the attic.
- All circuits to be copper NM except HVAC and Range circuits to be copper SE cable. (75°C).
- Light and switch to be site-installed in the crawl space near the crawl space access door (light to be connected to any of the installed general lighting circuits).
- Receptacles installed in wet locations must be in a weatherproof enclosure the integrity of which is not affected when the attachment plug cap is inserted or removed. All 15 amp and 20 amp receptacles installed on the exterior of the building shall be listed as "Weather Resistant".
- Smoke detectors must be wired to activate all alarms simultaneously if any detector is activated. All smoke detectors located within twenty feet of a cooking appliance shall be the photoelectric type.
- All fans must be ducted to the exterior of the building and terminate at an approved vent cap.
- Carbon monoxide detectors must have an audible alarm and must be listed to comply with either ANSI/UL 2034-96 or UL-2075-04.

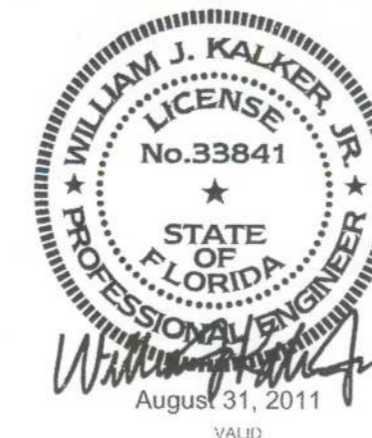
LISTING
AGENCY APPROVAL

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. 1
OF FLOORS
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

IWC
CNA1025

NOTE: ALL RECEPTACLES INSTALLED ON 15 AMP AND 20 AMP CIRCUITS MUST BE LISTED AS "TAMPER RESISTANT"



NOTE: NOT ALL CIRCUITS LISTED IN CIRCUIT SCHEDULES ARE USED IN THE ELECTRICAL PLAN ABOVE

PANEL SIZING

2204 Sq. Ft. @ 3 watts/Sq. Ft.	6.61 KW
2-20 AMP Appliance circuits	3.00 KW
Laundry circuit	1.50 KW
Cook Top	7.40 KW
Wall Oven	3.40 KW
Clothes Dryer	5.20 KW
Water Heater	5.50 KW
Opt. Dishwasher	1.40 KW
TOTAL	34.01 KW

First 10 KW @ 100%	10.00 KW
Remainder @ 40% (24.01)(.4)=	9.60 KW
Assumed HVAC	20.90 KW
TOTAL	40.50 KW

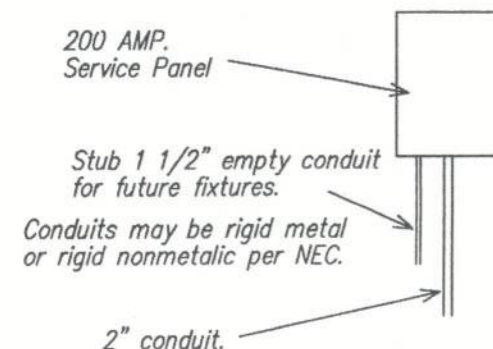
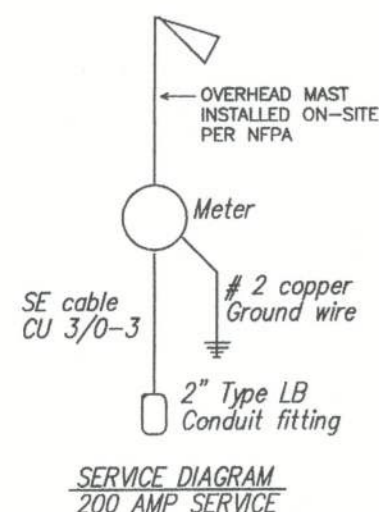
Calculated Load for service size
40,500 w/240 volts= 168.8 Amperes
200 AMP service standard

ELECTRICAL LEDGEND

- Light Switch
- Duplex Recept
- 240V Recept
- Thermostat
- Smoke Detector w/Battery Backup
- Porch light W/P
- Incandescent Light
- Exhaust fan w/Light
- Panel box
- Exhaust fan
- Fluorescent Light
- Range hood w/Exhaust Fan and Light

ELECTRICAL CIRCUIT SCHEDULE

CIR	DESCRIPTION	COND.	SIZE (CU)	BRK.(A)
1,2	General Lighting	14-2 w/GND	15	
3,4	Small Appliance	12-2 w/GND	20	
5	Washer	12-2 w/GND	20	
6	Cook Top	8-3 w/GND	40 2P	
7,8	General Lighting	14-2 w/GND	15	
9	Dryer	10-3 w/GND	30 2P	
10	Bath	12-2 w/GND	20	
12	Water Heater	10-2 w/GND	30 2P	
13	Smoke Detectors	14-3 w/GND	15	
14,15	General Lighting	14-2 w/GND	15	
16	Dishwasher (opt)	12-2 w/GND	20	
17	Freezer (opt)	12-2 w/GND	20	
18,19	General Lighting	14-2 w/GND	15	
20,21	Small Appliance	12-2 w/GND	20	
22	Wall Oven	12-3 w/GND	20 2P	



TOWN HOMES LLC

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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 3 OF 6
ELECTRICAL		
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