Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 06/20/17

SYMBOLS

J–BOXES ONLY

- P — FIRE ALARM PULL STATION
- H — FIRE ALARM HORN/STROBE
- S — FIRE ALARM STROBE LIGHT
- J — JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
- S — SMOKE DETECTOR
- DUPLEX RECEPTACLE 120 V.
- SINGLE RECEPTACLE 240 V.
- INCANDESCENT LIGHT WITH 1– 60 W. BULB
- COMPACT FLOURESENT LIGHT 1–60 W. BULB
- HIGH PRESSURE SODIUM LIGHT
- METAL HALIDE WALL PACK
- VENT FAN
- COMB. VENT FAN & LIGHT
- SUPPLY AIR REGISTER
- RETURN AIR REGISTER
- FLOOD LIGHT 2–150W BULBS
- T — THERMOSTAT
- FLUORESCENT FIXTURE WITH 2–32W TUBES
- EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT/EMERGENCY COMBO W/REMOTE HEAD W/BATTERY BACKUP
- EXIT — EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT SIGN W/BATTERY BACKUP
- EMERGENCY LIGHT WITH BATTERY BACKUP
- TELEPHONE JACK
- $ $3 — SWITCH & 3 WAY SWITCH
- OS $ — OCCUPANCY SENSOR SWITCH
- F.E. — FIRE EXTINGUISHER

DWV RISER NTS

SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

——— COLD
— — — — HOT

ALL SUPPLY LINES SHALL BE 3/4", ALL STUB–UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.

SUPPLY RISER –NTS–

EMC APPROVED 05 19 2017

ELECTRICAL SCHEDULE

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	90 A (2P) HACR	4–2 #6 GRND.
7	WATER HEATER	20 A(1P)	12–2 NM
4, 5	RECEPTACLES	20 A	12–2 NM
2	LIGHTING	20 A	12–2 NM

ELECTRICAL PANEL SIZING:

DESCRIPTION	KVA
GENERAL LIGHTING	
.0030 KW/SF X 653 SF X 1.25=	2.9
12 RECEPTS AT 180VA/1000=	2.6
WATER HEATER 1.9KW x 1.25=	2.4
2 FANS AT .3 KW X 1.25=	.8
HVAC	15.9

TOTAL 24.6 KW
TOTAL/240 X 1000= 103 AMPS
INSTALL 125 AMP PANEL
120/240 V 1ø

NOTE:
HVAC WIRING SPECIFICATIONS ARE BASED ON 75 DEGREE CONDUCTORS

ARTHUR L. KAY, R.A.
5521 TERRAIN DE GOLF DR.
LUTZ, FLORIDA 33558

LICENSED ARCHITECT
ARTHUR L. KAY IV
ARC4412
5-19-17
STATE OF MAINE

FIRST STRING SPACE INC.
OUR STRENGTH IS TEAMWORK

FIRST STRING SPACE

892 RAILROAD AVE. EAST
PEARSON, GEORGIA 31642 (912) 422–6455

DATE: 4–29–17		
SCALE : 1/4"=1'–0"		
CODES: SEE NOTES		
STATES: MAINE	REVISIONS:	BY: A.L.K.
FSS5542 12 x 56 EDUCATION		SHEET 2 OF 4
FLOOR PLAN	DESTINATION: PORTLAND	