

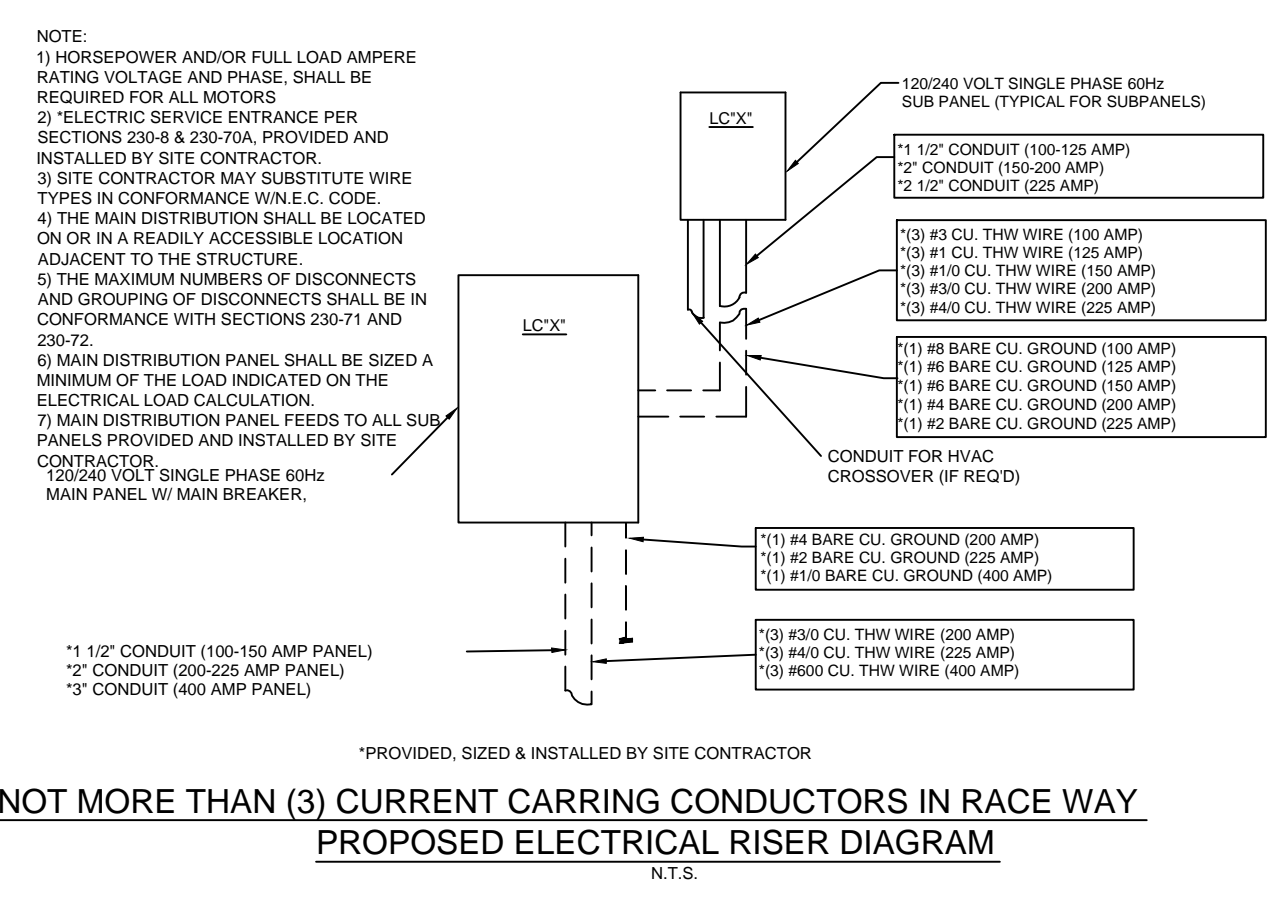
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MOD GENIUS
SAVAGE MOUNTAIN
MODEL
144X60-E-R2014
BOX SIZE
(12)11'-9"X60'-0"
QUOTE NO.
17-1323
SHEET NO.
E-1.2 ELECTRICAL PLAN
SCALE:
3/16"=1'
DRAWN BY:
RLH
DATE:
12/19/17
PRODUCTION NO.
R2014-1 THRU 12

ELECTRICAL:
 SERVICE: 120/240V, 1-PHASE, 3-WIRE, 60 HERTZ
 MAIN-PANEL: MAIN DISTRIBUTION PANEL BY OTHERS AT SITE
 SUB-PANEL: 12 SQUARE D NQ, 1-PHASE, NEMA 1 W/BOLT-ON BREAKERS & 125 AMP MB
 SUB-PANEL: 1 SQUARE D NQ, 1-PHASE, NEMA 1 W/BOLT-ON BREAKERS & 100 AMP MB
 (NOTE): ALL ELEC. PANELS TO HAVE A COPPER BUSS & LOCKING DOOR
 SERVICE ENTRANCE: 12 1-1/2" EMT, THRU FLOOR
 SERVICE ENTRANCE: 1 1-1/4" EMT, THRU FLOOR
 HVAC DISCONNECT: INTEGRAL TO HVAC UNITS
 WHH DISCONNECT: 1 TOGGLE SWITCH AS REQUIRED
 WIRING SYSTEM: MIN. #12 AWG (90 DEG. C COPPER WIRE) W/GROUND - MC CABLE RECEPES:
 Interior: 102 DUPLEX GROUNDING TYPE, 125V, 20 AMP (TAMPER RESISTANT)
 Interior: 4 GFCI PROTECTED DUPLEX GROUNDING TYPE, 125V, 20 AMP
 Interior: 6 DUPLEX GROUNDING TYPE, 125V, 20 AMP (CEILING MOUNTED)
 Exterior: 4 GFCI PROTECTED DUPLEX GRND'G, 125V, 20 AMP WEATHERPROOF
 Heat Tape: 1 GFCI PROTECTED DUPLEX GRND'G, 125V, 20 AMP WEATHERPROOF
 SWITCHES:
 Single: 15 120V TOGGLE TYPE
 3-Way: 4 120V THREE WAY TOGGLE TYPE
 Occupancy Sensor: 11 WALL MOUNT SENSOR SWITCH
 Occupancy Sensor: 7 CEILING MOUNTED, DUEL TECHNOLOGY
 CONDUIT R/I:
 Data: 56 2X4 J-BOX W/ 3/4" CONDUIT TO BELOW FLOOR W/PULL WIRES
 Camera: 16 2X4 J-BOX W/ 3/4" CONDUIT TO BELOW FLOOR W/PULL WIRES
 Alarm: 2 2x4 BOX W/3/4" CONDUIT & PULL WIRE THROUGH FLOOR-PULL STATIONS
 Alarm: 14 4x4 BOX W/3/4" CONDUIT & PULL WIRE THROUGH FLOOR-HORN STROBE
 MISCELLANEOUS: ALL DATA & LOW VOLTAGE WIRE - RESPONSIBILITY OF OTHERS
 LIGHTING - INT/EXT:
 CEILING LIGHTS: 95 KENALL - SCB SERIES, SURFACE MOUNTED, 2-BULB FLUORESCENT
 CEILING LIGHTS: 18 AFX - 7" X 48", DIFFUSED, 45W LED, SURFACE MOUNTED - STAFF AREAS
 EXTERIOR LIGHTS: 2 20W WP LED WALL LIGHT W/PHOTO EYE - PLANT INSTALLED
 EXTERIOR LIGHTS: 6 CIRCUITS IN METAL J-BOX W/COVER (FIXTURE BY OTHERS AT SITE)
 EMERGENCY LIGHTS: 19 DUAL HD EMERGENCY LIGHT W/BATTERY PACK - UNSWITCHED
 EMERGENCY LIGHTS: 2 REMOTE HEAD W.P. EMERGENCY LIGHT WIRED TO BATTERY UNIT
 EXIT LIGHTS: 5 DUAL HD EXIT/EMERGENCY LIGHT W/BATTERY PACK - UNSWITCHED
 12 VOLT LIGHTING: 24 12 VOLT TAIL LIGHTS ONLY



SYMBOL	DESCRIPTION
○	LOAD CENTER
⊕	DUPLEX RECEPTACLE @ 18" A.F.F. (TO BOTTOM) (UNLESS NOTED)
⊕	QUAD RECEPTACLE @ 18" A.F.F. (TO BOTTOM) (UNLESS NOTED)
⊕	WEATHERPROOF & RESISTANT GFI RECEPTACLE MOUNTED @ 18" A.F.F. (TO BOTTOM) (UNLESS NOTED)
⊕	GFI PROTECTED DUPLEX RECEPTACLE @ 42" A.F.F. (TO BOTTOM) (UNLESS NOTED)
⊕	CEILING MOUNTED RECEPTACLE W/ DATA BOX
⊕	TOGGLE TYPE SWITCH @ 42" A.F.F. (TO BOTTOM) (UNLESS NOTED)
⊕	SINGLE BUTTON DUAL OCCUPANCY SENSOR W/ MANUAL ON WALL SWITCH @ 42" A.F.F. (TO BOTTOM UNLESS NOTED)
⊕	3-WAY, TOGGLE TYPE SWITCH @ 42" A.F.F. (TO BOTTOM) (UNLESS NOTED)
☀	CEILING MOUNTED PASSIVE INFRARED SENSOR
☀	KENALL-SCB SERIES SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
☀	AFX-7"X48" SURFACE MOUNTED LED LIGHT FIXTURE
☀	EXTERIOR LIGHT FIXTURE W/ PHOTO CELL SURFACE MOUNTED @ 84" A.F.F. (UNLESS NOTED)
☀	EXTERIOR LIGHT BOX FOR SITE INSTALLED FIXTURE SURFACE MOUNTED @ 84" A.F.F.
☀	CEILING MOUNT EXHAUST FAN
☀	DUAL HEAD EMERGENCY FLOOD LIGHT W/ BATTERY BACK-UP @ 84" A.F.F. (UNLESS NOTED)
☀	REMOTE HEAD EXTERIOR EMERGENCY FLOOD LIGHT W/BAT. BACK-UP @ 84" AFF (UNLESS NOTED)
☀	DUAL HEAD EMERGENCY EXIT LIGHT COMBO W/ BATTERY BACK-UP @ 85" A.F.F. (UNLESS NOTED)
☀	POWER GABLE VENTILATOR, SIDE MOUNTED @ ROOF CAVITY W/ HUMIDISTAT SET @ 60% MAX
☀	J-BOX (2x4) FOR PHONE JACK @ 18" A.F.F. (TO BOTTOM) (UNLESS NOTED)
☀	J-BOX FOR FIRE ALARM PULL STATION @ 42" A.F.F. W/ 3/4" CONDUIT & PULL WIRE
☀	J-BOX FOR FIRE ALARM VISUAL AID & HORN @ 80" A.F.F. W/ 3/4" CONDUIT & PULL WIRE
☀	J-BOX FOR P.A. SYSTEM (1) @ 48" A.F.F. & (1) @ 72" A.F.F. W/ 1/2" CONDUIT & PULL WIRE
☀	WALL MOUNTED SECURITY CAMERA ROUGH-IN @ 88" A.F.F. (TO BOTTOM)
☀	CEILING MOUNTED SECURITY CAMERA ROUGH-IN
☀	3x13 FRESH AIR INTAKE GRILL MOUNTED @ SIDE OF ROOF CAVITY, PAINT TO MATCH
☀	10x10 CEILING MOUNTED, SUPPLY AIR DIFFUSER W/ ADJUSTABLE AIR DAMPER
☀	14x14 HEAVY DUTY CEILING MOUNTED RETURN AIR GRILL
☀	10x10 CEILING MOUNTED, SUPPLY AIR DIFFUSER W/ ADJUSTABLE AIR DAMPER WITH FIRE DAMPER
☀	14x12 HEAVY DUTY CEILING MOUNTED RETURN AIR GRILL WITH FIRE DAMPER
☀	THERMOSTAT @ 48" A.F.F. (TO BOTTOM) (UNLESS NOTED) W/ LOCKING COVER
☀	14x14 RETURN AIR GRILL, WALL MOUNTED @ 70 1/2" A.F.F. (TO BOTTOM) R.O. = 13 1/2" x 13 1/2"
☀	J-BOX FOR SMOKE DETECTOR, RECESSED IN CEILING W/ 3/4" CONDUIT & PULL WIRE RAN UNDER FLOOR IN COR.
☀	J-BOX (2x4) W/ PULL WIRE FOR AC LOW VOLTAGE CONNECTION @ 42" A.F.F. (TO BOTTOM) 3/4" CONDUIT STUBBED UNDER FLOOR
☀	AC DISCONNECT MOUNTED @ 2" A.F.F.
☀	FIRE EXTINGUISHER R.O. 28 1/4" X 11 3/4" UP 40" A.F.F.