

7/01/16

**Fire Station Renovation and
Police Station Addition**
Building 7200 - Camp Joseph T. Robinson
North Little Rock, Arkansas

REVISIONS

ISSUE DATE
07/01/2016
PROJECT NO.
0901U

CONTENTS
SCHEDULES AND
DETAILS
ELECTRICAL

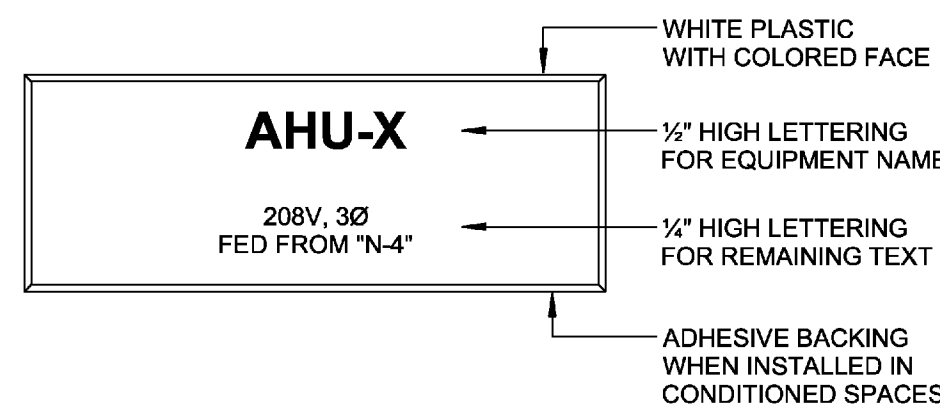
SHEET NUMBER

E0.1

EQUIPMENT SCHEDULE					
EQUIPMENT CCT LABEL	VOLTAGE	LOAD (A)	CONDUCTORS AND CONDUIT	OCP SIZE	NOTES
[COMP]	120V, 1PH	4.4A	2-#12, #12G, 3/4"C	20A/1P	FIRE PROTECTION COMPRESSOR: MOTOR STARTER PROVIDED BY FIRE PROTECTION CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR FOR COMPRESSOR.
[CU-1]	208V, 1PH	15.7A	2-#10, #10G, 3/4"C	30A/2P	CONDENSING UNIT: PROVIDE AND INSTALL (1) NEMA 3R, 30A/2P NON-FUSED DISCONNECT FOR UNIT.
[CU-2]	208V, 1PH	28.8A	2-#8, #10G, 3/4"C	40A/2P	CONDENSING UNIT: PROVIDE AND INSTALL (1) NEMA 3R, 60A/2P NON-FUSED DISCONNECT FOR UNIT.
[CU-3]	208V, 1PH	28.8A	2-#8, #10G, 3/4"C	40A/2P	CONDENSING UNIT: PROVIDE AND INSTALL (1) NEMA 3R, 60A/2P NON-FUSED DISCONNECT FOR UNIT.
[CU-4]	208V, 1PH	28.8A	2-#8, #10G, 3/4"C	40A/2P	CONDENSING UNIT: PROVIDE AND INSTALL (1) NEMA 3R, 60A/2P NON-FUSED DISCONNECT FOR UNIT.
[EX-HOOD]	120V, 1PH	2A	2-#12, #12G, 3/4"C	20A/1P	EXHAUST HOOD: CONNECT 120V TO HOOD. PROVIDE AND INSTALL CONTROL WIRING TO 120V GAS SOLENOID VALVE (PROVIDED AND INSTALLED BY OTHERS). CONNECT FIRE ALARM WIRING TO FIRE ALARM CONNECTIONS INSIDE HOOD. REFER TO MANUFACTURER'S INSTRUCTIONS FOR WIRING INFORMATION.
[F-1]	120V, 1PH	10.6A	2-#10, #10G, 3/4"C	30A/1P	GAS-FIRED FURNACE: PANEL BREAKER SERVES AS DISCONNECT.
[F-2]	120V, 1PH	14.4A	2-#10, #10G, 3/4"C	30A/1P	GAS-FIRED FURNACE: PROVIDE AND INSTALL (1) NEMA 1, 30A/1P NON-FUSED DISCONNECT FOR FURNACE.
[F-3]	120V, 1PH	14.4A	2-#10, #10G, 3/4"C	30A/1P	GAS-FIRED FURNACE: PANEL BREAKER SERVES AS DISCONNECT.
[F-4]	120V, 1PH	14.4A	2-#10, #10G, 3/4"C	30A/1P	GAS-FIRED FURNACE: PANEL BREAKER SERVES AS DISCONNECT.
[UH-1]	208V, 1PH	48A	2-#4, #8G, 1"C	60A/2P	UNIT HEATER: PROVIDE AND INSTALL (1) 60A/2P NON-FUSED DISCONNECT SWITCH FOR HEATER.
[WEST-LTS]	208V, 1PH	2A	2-#12, #12G, 3/4"C	20A/2P	WEST POLE LIGHTS: PROVIDE AND INSTALL (1) 30A/2P NON-FUSED DISCONNECT IN PLACE OF DEMOLISHED POLE LIGHT DISCONNECT AND RECONNECT TO EXISTING CIRCUIT.
[WH-1]	208V, 1PH	20A	2-#10, #10G, 3/4"C	30A/2P	WATER HEATER (4.2KW): REFER TO MANUFACTURER'S INSTRUCTIONS FOR WIRING INFORMATION.
[WH-2]	208V, 1PH	40A	2-#4, #8G, 1"C	60A/2P	WATER HEATER (8.3KW): REFER TO MANUFACTURER'S INSTRUCTIONS FOR WIRING INFORMATION.

EQUIPMENT SCHEDULE NOTES:

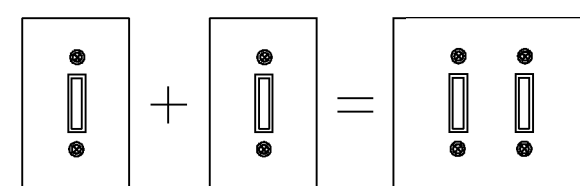
- EQUIPMENT CCT LABELS SHOWN ON FLOOR PLANS ARE BOLDED AND ENCLOSED IN BRACKETS. (EXAMPLE: **[AHU-1]**) EQUIPMENT CCT LABELS REFER TO PROPERTIES OF THE CIRCUIT AND EQUIPMENT ON THE CIRCUIT.
- CONNECT TO EQUIPMENT LOADS WITH LISTED CONDUCTORS AND CONDUIT SHOWN ON EQUIPMENT SCHEDULE. OCP SIZE IS THE SIZE OF THE OVERCURRENT PROTECTION PROTECTING THE BRANCH CIRCUIT. CONDUCTORS ARE COPPER UNLESS NOTED OTHERWISE.
- REFER TO MANUFACTURER'S INSTRUCTIONS FOR WIRING METHODS.



EQUIPMENT LABEL NOTES:

- PROVIDE AND INSTALL EQUIPMENT LABELS ON EQUIPMENT WITH INFORMATION IN THE FORMAT SHOWN ABOVE.

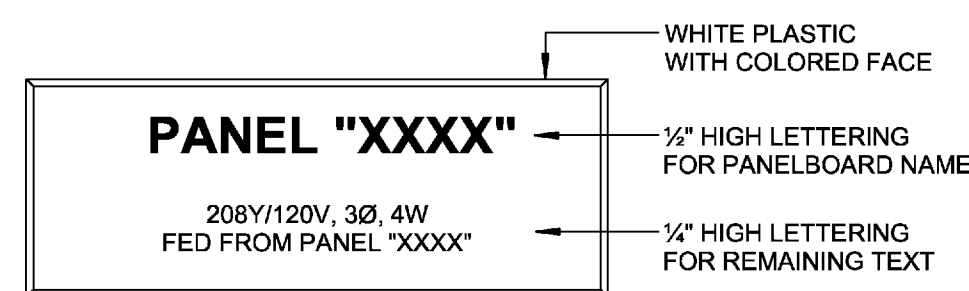
1 EQUIPMENT LABEL DETAIL
NOT TO SCALE



MULTI-GANG SWITCHPLATE NOTES:

- WHERE MULTIPLE SWITCHES ARE SHOWN ON THE SAME WALL AND NEAR EACH OTHER, PROVIDE MULTI-GANG J-BOX AND SINGLE FACEPLATE FOR THE NUMBER OF SWITCHES SHOWN.

3 MULTI-GANG SWITCHPLATE DETAIL
NOT TO SCALE



PANELBOARD LABEL NOTES:

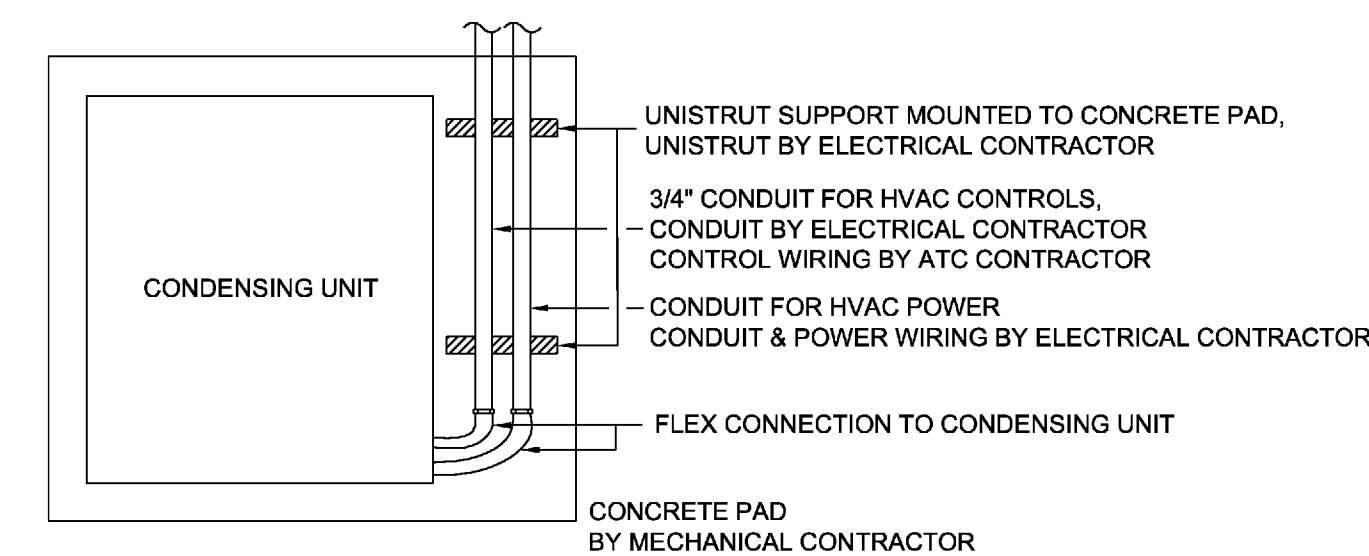
- PROVIDE AND INSTALL PANEL LABELS WITH INFORMATION IN THE FORMAT SHOWN ABOVE.

2 PANELBOARD LABEL DETAIL
NOT TO SCALE

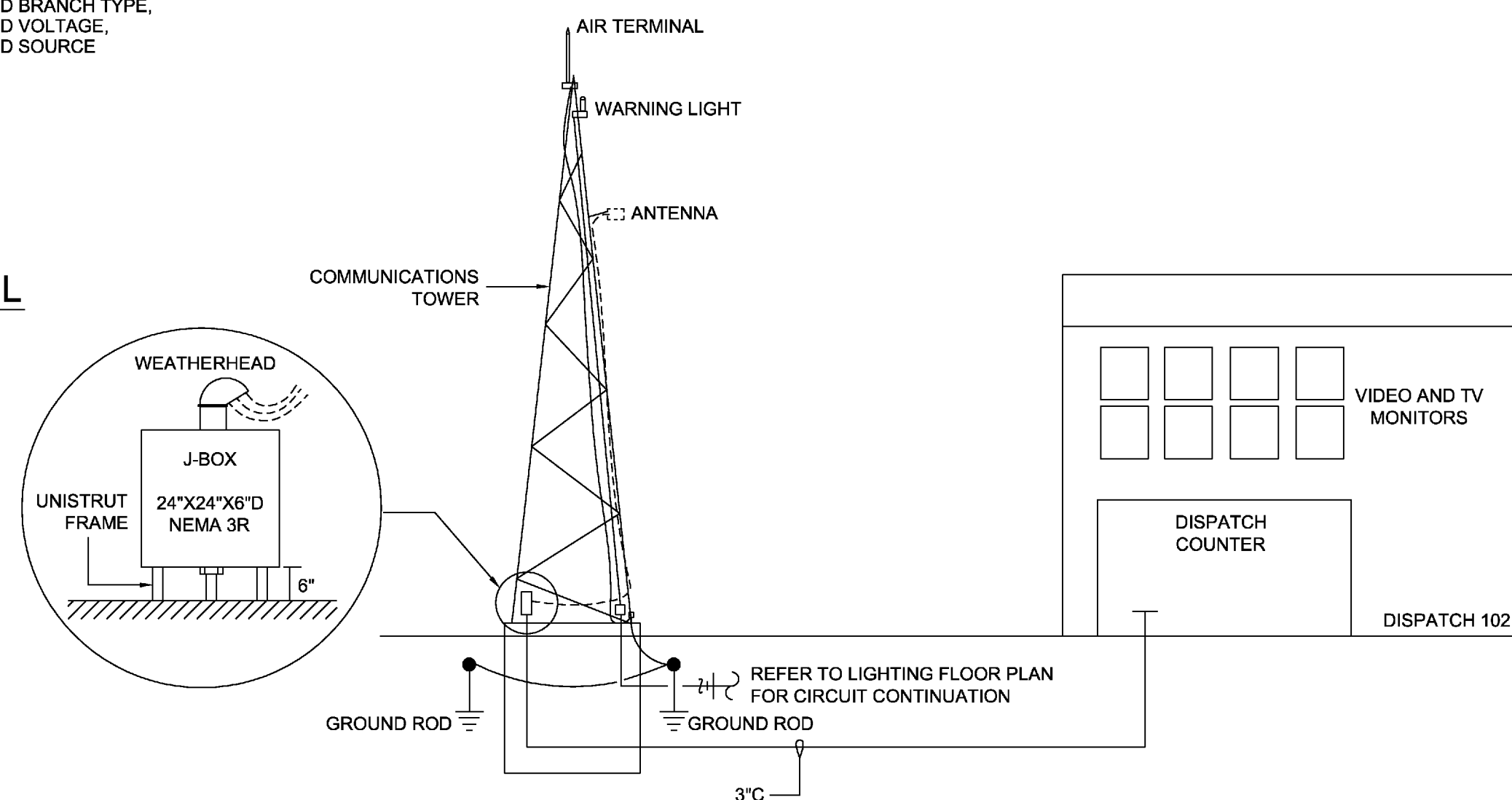
SYSTEMS RESPONSIBILITY MATRIX	FIRE ALARM		TELEDATA		CATV		DOOR ACCESS CONTROL		SURVEILLANCE		COMMUNICATIONS TOWER		LIGHTNING PROTECTION	
	ROUGH-IN DEVICES	DEVICES	ROUGH-IN DEVICES	DEVICES	ROUGH-IN DEVICES	DEVICES	ROUGH-IN DEVICES	DEVICES	ROUGH-IN DEVICES	DEVICES	STRUCTURE	PATHWAYS CABLING	ROUGH-IN DEVICES	DEVICES
OTHERS														
ELECTRICAL CONTRACTOR	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FIRE ALARM CONTRACTOR		X												
COMMUNICATIONS VENDOR												X	X	X
DOOR HARDWARE VENDOR							X							

RESPONSIBILITY MATRIX NOTES:

- RESPONSIBILITY MATRIX IDENTIFIES THE PARTY RESPONSIBLE FOR PROVIDING ROUGH-IN OF DEVICES AND THE PARTY RESPONSIBLE FOR PROVIDING AND INSTALLING DEVICES FOR A PARTICULAR SYSTEM.
- "ROUGH-IN" INCLUDES BACKBOXES, CONDUIT, AND PATHWAYS. "DEVICES" INCLUDES OUTLETS, JACKS, CABLING, AND EQUIPMENT.
- "STRUCTURE" INDICATES THE STRUCTURAL DEMOLITION AND INSTALLATION OF THE TOWER. "PATHWAYS" INDICATES ELECTRICAL CONDUITS. "CABLING" INDICATES THE ANTENNA CABLING ASSOCIATED WITH THE TOWER.



4 MECHANICAL CONCRETE PAD CONDUIT MOUNTING DETAIL
NOT TO SCALE



5 COMMUNICATION TOWER DETAIL
NOT TO SCALE