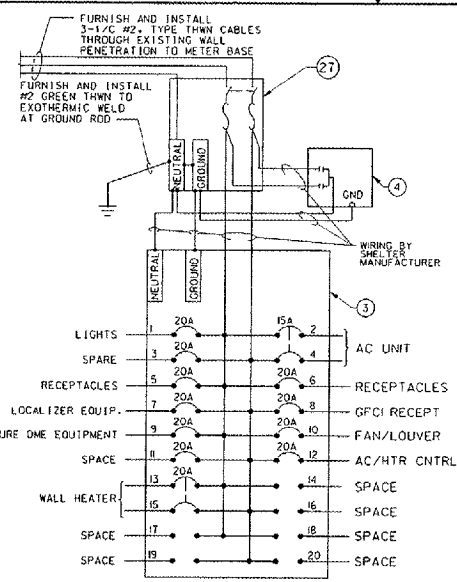
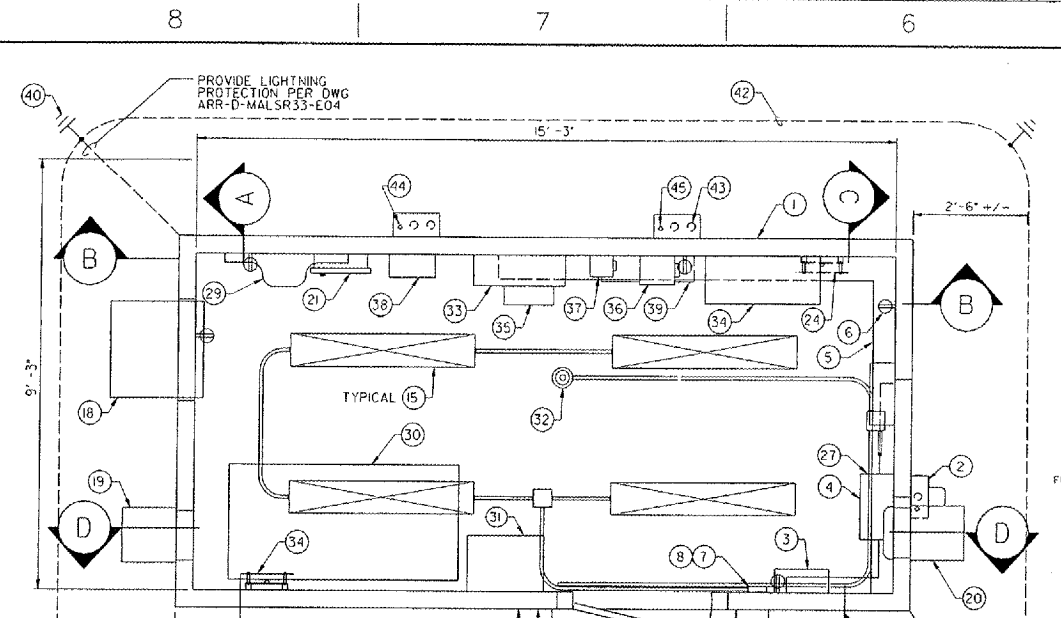


THIS DRAWING PRODUCED ON THE GREAT LAKES REGION MODIFICATION SYSTEM



120/240V, SINGLE PHASE, 100 AMP - MAIN LUGS, SURFACE-MOUNTED

DESCRIPTION	C/B	#	LOAD	#	C/B	DESCRIPTION	
LIGHTS	20	1	550	1264	2	15	A/C UNIT
SPARE	20	3	360	1265	4		
RECEPTACLES	20	5	120	720	6	20	1 RECEPTACLES
LOCALIZER EQUIP.	20	1			8	20	1 GFCI RECEPT
OME EQUIPMENT	20	1			10	20	1 FAN / LOUVER
SPACE					11	20	1 AC / HTR CONTROL
WALL HEATER	20	13	1500		14		SPACE
SPACE					15		SPACE
SPACE					16		SPACE
SPACE					17		SPACE
SPACE					18		SPACE
SPACE					19		SPACE
PHASE LOAD			5115	3305			
TOTAL LOAD			8420W / 240 V = 35.08 AMPS				

DISTRIBUTION PANEL LOAD SCHEDULE

- NUMBERED LEGEND:**
- I = CONTRACTOR SHALL INSTALL ITEM. F&I = CONTRACTOR SHALL FURNISH & INSTALL ITEM. BO = SHALL BE INSTALLED BY FAA INSTALLATION PERSONNEL OR IS ALREADY INSTALLED IN PRE-FABRICATED EQUIPMENT SHELTER
- I ① WOOD FRAME EQUIPMENT SHELTER W/FIBERGLASS EXTERIOR FINISH PER DWG ARR-D-MALSR33-A01
- F&I ② METER BASE FOR USE WITH UNDERGROUND SERVICE PER POWER COMPANY'S SPECIFICATIONS SHALL BE INSTALLED OVER WALL PENETRATION (INSTALLED BY SHELTER MANUFACTURER). INSTALL 3-1/2" #2 TYPE THIN POWER CABLES AND #6 GREEN THWN GROUND CONDUCTOR TO SECONDARY LEADS OF METER BASE AND PRIMARY LEADS OF SERVICE ENTRANCE DISCONNECT SWITCH. INSTALL 3-1/2" #2 TYPE U.S.E. POWER CABLES AND #2 GREEN TYPE U.S.E. GROUND CONDUCTOR IN 2" GALVANIZED RIGID STEEL CONDUIT, 2" BELOW GRADE (MIN) FROM TRANSFORMER'S SECONDARY. CONNECTIONS AT TRANSFORMER WILL BE MADE BY COMMONWEALTH EDISON REPRESENTATIVES. CONTACT KATIE OLIVA AT (847) 608-2338 WHEN READY.
- BO ③ 100A BREAKER PANEL, 20 CIRCUITS, W/BOLT ON BREAKERS
- BO ④ AC SURGE ARRESTOR, 120/240V
- BO ⑤ 6" SQUARE DUCT
- BO ⑥ ELECTRICAL RECEPTACLE
- BO ⑦ INTERIOR LIGHT SWITCH
- BO ⑧ EXTERIOR LIGHT SWITCH
- BO ⑨ EMERGENCY LIGHT
- BO ⑩ INTRUSION SENSOR
- BO ⑪ SMOKE DETECTOR RESET SWITCH
- BO ⑫ WORKSTATION GROUND
- BO ⑬ GROUNDING STRAP
- BO ⑭ WALL-MOUNTED EXTERIOR LIGHT WITH PHOTO CONTROL
- BO ⑮ 4'-LONG 2-LAMP-TUBE FLUORESCENT LIGHT FIXTURE, 120-VOLT
- BO ⑯ TELECOMMUNICATIONS ENCLOSURE PER DETAIL '2'
- BO ⑰ 1" PVC CONDUIT CARRYING #4/0 GREEN THWN W/ORANGE STRIPE FROM MAIN GROUNDING PLATE TO MULTIPPOINT GROUNDING PLATE.
- BO ⑱ A/C THRU-WALL UNIT, 12,000 BTU.
- BO ⑲ 12" SQUARE MOTORIZED LOUVER WITH FILTER AND HOOD
- BO ⑳ EXHAUST FAN WITH VENT HOOD
- BO ㉑ WALL-MOUNTED ELECTRIC HEATER
- BO ㉒ ENVIRONMENTAL CONTROL PANEL
- BO ㉓ 1" PVC CONDUIT CARRYING #4/0 GREEN THWN W/ORANGE STRIPE FROM MAIN GROUNDING PLATE TO MULTIPPOINT GROUNDING PLATE.
- BO ㉔ MAIN COPPER GROUNDING PLATE WITH PLASTIC COVER
- BO ㉕ MULTIPPOINT COPPER GROUNDING PLATE WITH PLASTIC COVER
- BO ㉖ 2" PVC CONDUIT WITH TWO #4/0 THWN GROUNDING CONDUCTORS FROM MAIN GROUNDING PLATE TO COUNTERPOISE. SEE NOTE 3.
- BO ㉗ MAIN DISCONNECT, 100A, 240V, W/FUSES
- BO ㉘ BUILDING WALL PENETRATION FROM SERVICE ENTRANCE DISCONNECT SWITCH TO EXTERIOR
- BO ㉙ EYE WASH STATION
- BO ㉚ WORK BENCH/DESK
- BO ㉛ DRAWER STORAGE UNIT
- BO ㉜ SMOKE DETECTOR ON CEILING
- BO ㉝ MALSR POWER AND CONTROL CABINET
- BO ㉞ AIR-TO-GROUND RADIO RECEIVER/CONTROLLER ANTENNA
- BO ㉟ MALSR POWER TRANSFORMER
- BO ㊱ MALSR POWER DISCONNECT SWITCH
- BO ㊲ FLASHER POWER DISCONNECT SWITCH
- BO ㊳ POWER JUNCTION BOX
- BO ㊴ CONTROL JUNCTION BOX
- F&I ㊵ 3/4" X 10' COPPERCLAD GROUNDING ROD
- F&I ㊶ #6 BARE COPPER GROUNDING AND BONDING CONDUCTOR
- F&I ㊷ #4/0 BARE COPPER COUNTERPOISE 2'-6" BELOW GRADE. SEE NOTE 3.
- F&I ㊸ 2" GRSC WITH EXPANSION COUPLING FOR COMMUNICATIONS CABLES
- F&I ㊹ 1" GRSC WITH EXPANSION COUPLING FOR GROUNDING CONDUCTOR
- F&I ㊺ #2/0 GROUNDING CONDUCTOR, GREEN THWN WITH RED STRIPE IN 1" GRS CONDUIT. LEAVE 5' LENGTH OF CONDUCTOR IN CONTROL JUNCTION BOX FOR TERMINATION BY FAA INSTALLATION PERSONNEL.
- BO ㊻ RADIO INTERFACE UNIT
- BO ㊼ GROUND-TO-GROUND RADIO RECEIVER
- BO ㊽ GROUND-TO-GROUND RADIO RECEIVER ANTENNA
- BO ㊾ GROUND-TO-GROUND RADIO DECODER
- BO ㊿ AIR-TO-GROUND RADIO RECEIVER/CONTROLLER

SHEET 37 OF 67

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
GREAT LAKES REGION CHICAGO, ILLINOIS

MALSR
FLOOR PLAN AND INTERIOR ELEVATIONS
8' X 16' PRE-FABRICATED EQUIPMENT SHELTER

AURORA		AURORA MUNICIPAL AIRPORT		IL
REVIEWED BY	SUBMITTED BY	APPROVED BY		
PROJ ENGR, TIMOTHY DYER		PLATFORM MGR, CLELAND MICHEEL		
DESIGNED	TAD	ISSUED BY	DATE 02/27/2006	JCN
DRAWN	TAD	IMPLEMENTATION	DRAWING NO	REV
CHECKED	EGS	CENTER	ARR-D-MALSR33-A02	

- NOTES:**
- LIGHT FIXTURES, POWER PANEL, SURGE ARRESTOR, RECEPTACLES, AND LIGHT SWITCHES ARE SURFACE MOUNTED. CONDUIT RUNS SHALL BE INSTALLED PLUMB OR HORIZONTAL WITH MINIMUM NUMBER OF BENDS.
 - EXTERIOR WALL PENETRATIONS SHALL BE SEALED WITH WATERPROOF SILICONE CAULK.
 - ALL GROUNDING CONDUCTOR CONNECTIONS TO COUNTERPOISE SHALL BE ATTACHED TO GROUNDING RODS USING EXOTHERMIC WELDS PER SPECIFICATIONS.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

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5/10/2006 5:17:46 PM NAME
ARC/SF