VAULT SERVICE & DISTRIBUTION PANEL									
KT #	DUTY	SIZE				SIZE	DUTY	CKT #	
1	AC SURGE PROTECTOR	60A, 2P	-			10A, 1P	L-854 RADIO & CONTROL POWER	2	
3				L .	$\overline{}$	20A, 1P	VAULT EXHAUST FAN	4	
	ELECTRIC HEATER EH-1	25A, 2P	-		_	15A, 1P	VAULT INTERIOR LIGHTS	6	
7				L .	$\overline{}$	15A, 1P	VAULT EXTERIOR LIGHTS	8	
9	ELECTRIC HEATER EH-2	25A, 2P	1—		<u> </u>	20A, 2P	RUNWAY 27 VADI	10	
11				L .				12	
13	TAXIWAY CCR'S	60A, 2P	-		<u> </u>	20A, 2P	RUNWAY 9 VADI	14	
15				L .				16	
17	RUNWAY 9-27 CCR'S	80A, 2P	一一		<u>L</u> π 1	30A, 2P	AIRPORT ROTATING BEACON	18	
19				L.,				20	
21	SPARE	60A, 2P	一一		<u>L</u> π 1	20A, 2P	SPARE	22	
23		·		L				24	
25	BLANK				<u>L</u> ↑	30, 2P	SPARE	26	
27	BLANK			L				28	
29	BLANK				L^	20A, 1P	RECEPTACLE	30	
31	BLANK			L	_	15A, 1P	SPARE	32	
	BLANK				L^	20A, 1P	SPARE	34	
35	BLANK			L	_	25A, 1P	SPARE	36	
37	BLANK				L^	30A, 1P	SPARE	38	
39	BLANK			L	_		BLANK	40	
41	BLANK		$^{-}$		L^		BLANK	42	
S/N + GND									
<u> </u>									

225AMP, 120/240VAC, 1 PHASE, 3 WIRE 42 CIRCUIT PANELBOARD WITH 225AMP, 2 POLE MAIN BREAKER RATED 22,000 AIC AT 240VAC IN A NEMA 1 ENCLOSURE UL-LISTED SUITABLE FOR SERVICE ENTRANCE. PANELBOARD SHALL ACCOMMODATE FEEDER AND BRANCH BREAKERS UP TO 150AMP, 2 POLE FRAME & TRIP RATING. PANELBOARD SHALL BE SQARE D CAT. NO. NQ42L2C WITH COPPER NEUTRAL & COPPER GROUND BAR KIT, OR APPROVED EQUAL.

- 1. PANELBOARD BUSSES SHALL BE COPPER. NEUTRAL SHALL BE COPPER. EQUIPMENT GROUND BAR SHALL BE COPPER.
- 2. ALL BRANCH CIRCUIT & FEEDER BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC AT 120/240 VAC.
- INCLUDE ENGRAVED, PHENOLIC OR PLASTIC LEGEND PLATE LABELED "VAULT SERVICE & DIST. PANEL, 120/240 VAC, 1PH, 3W". INCLUDE ADDITIONAL LEGEND PLATE FOR THE VAULT MAIN BREAKER LABELED "SERVICE DISCONNECT".
- 4. PANELBOARD SHALL BE MANUFACTURED IN THE UNITED STATES TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN REQUIREMENTS. PROVIDE CERTIFICATION OF MANUFACTURE IN THE UNITED STATES WITH SHOP DRAWING SUBMITTAL.
- CIRCUIT BREAKERS AND WIRING SHALL BE SIZED FOR THE ACTUAL EQUIPMENT FURNISHED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S RECOMMENDATION AND N.E.C. CONTRACTOR SHALL ADJUST CIRCUIT BREAKER SIZES & WIRING WHERE APPLICABLE TO CONFORM WITH THE MANUFACTURER'S RECOMMENDATIONS AND N.E.C.
- 6. FOR A BOTTOM FEED PANELBOARD, MOVE AC SURGE PROTECTOR BREAKER DOWN TO POSITIONS 39 AND 41.

MB029`	DATE REVISION 16/12/13 REMOVED PAPI'S/VASI'S TO REMAIN
	DATE 06/12/13

MACOMB MUNICIPAL AIRPORT MACOMB,ILLINOIS

HANSON

REPLACE VAULT, AIRFIELD LIGHTING AND GUIDANCE SIGNS