PANEL: WH-PP1

DESIGN SELECTION
MAINS RATING 600A
TYPE MCB

VOLTAGE: 480
PHASES: 3
WIRES: 4
MOUNTING: SURFACE

MINIMUM A.I.C. RATING: 65KAIC
LOCATION: WAREHOUSE
SERVED FROM: MB-USS4
MODIFICATIONS:

NOTE	TRIP AMPS	POLES	DESCRIPTION	WIRE	NEUT	GND	COND	NO	A		B		C		NO	COND	GND	NEUT	WIRE	DESCRTIPTION	POLES	TRIP AMPS	NOTE
	40A	3	WH-PP2 480-208/120 25kVA XFMR	(3)-6	--		3/4"	1	5.18 kVa	1.24 kVa					2								
								3			5.26 kVa	1.24 kVa			4	3/4"	12		(3)10	F-0001 SUPPLY FAN NO.1	3	25	
								5					4.98 kVa	1.24 kVa	6								
	60A	3	WR-0001	(3)-4	--		3/4"	7	16.63 kVa	1.24 kVa					8								
								9			16.63 kVa	1.24 kVa			10	3/4"	12		(3)10	F-0002 SUPPLY FAN NO.2	3	25	
								11					16.63 kVa	1.24 kVa	12								
	60A	3	WR-0002	(3)-4	--		3/4"	13	16.63 kVa	1.24 kVa					14								
								15			16.63 kVa	1.24 kVa			16	3/4"	12		(3)10	F-0003 SUPPLY FAN NO.3	3	25	
								17					16.63 kVa	1.24 kVa	18								
	25A	3	DOOR-01	(3)-10	--		3/4"	19	2.24 kVa	1.24 kVa					20								
								21			2.24 kVa	1.24 kVa			22	3/4"	12		(3)10	F-0004 SUPPLY FAN NO.4	3	25	
								23					2.24 kVa	1.24 kVa	24								
	25A	3	DOOR-02	(3)-10	--		3/4"	25	2.24 kVa	1.24 kVa					26								
								27			2.24 kVa	1.24 kVa			28	3/4"	12		(3)10	F-0005 SUPPLY FAN NO.5	3	25	
								29					2.24 kVa	1.24 kVa	30								
	25A	3	DOOR-03	(3)-10	--		3/4"	31	1.49 kVa	1.24 kVa					32								
								33			1.49 kVa	1.24 kVa			34	3/4"	12		(3)10	F-0006 SUPPLY FAN NO.6	3	25	
								35					1.49 kVa	1.24 kVa	36								
	25A	3	DOOR-04	(3)-10	--		3/4"	37	1.49 kVa	2.52 kVa					38	3/4"	12	12	12	INT. WH LTG	1	20	
								39			1.49 kVa	2.52 kVa			40	3/4"	12	12	12	INT. WH LTG	1	20	
								41					1.49 kVa	2.24 kVa	42	3/4"	12	12	12	INT. WH LTG	1	20	
	25A	1	EM. EXIT. SIGNS	12	12	12	3/4"	43	0.10 kVa	0.14 kVa					44	3/4"	12	12	12	EXT. WH LTG	1	20	
								45			0.00 kVa	0.49 kVa			46	3/4"	12	12	12	EXT. WH LTG	1	20	
								47					0.00 kVa	HOLD	48	3/4"	12	12	12	LTG CONTROLLER	1	20	
	40A	3	FORKLIFT CHARGER	(3)-10	--		3/4"	49	3.48 kVa	0.00 kVa					50								
								51			3.48 kVa	0.00 kVa			52								
								53					3.48 kVa	0.00 kVa	54								
								TOTAL	**59.57 kVa**		**59.90 kVa**		**58.85 kVa**										

LOAD CALSSIFICATION	**CONNECTED LOAD**	**DEMAND LOAD**	**LOAD SUMMARY**
MOTOR	45 kVa	100.00%	45 kVa
POWER	26 kVa	100.00%	26 kVa
LIGHTS	8 kVa	100.00%	8 kVa
WELD. RECPT.	100 kVa	50.00%	50 kVa

TOTAL CONNECTED LOAD: 178 kVa

ESTIMATED DEMAND LOAD: 128 kVa
25% FUTURE DEMAND ALLOWANCE 32 kVa
TOTAL ESTIMATED DEMAND LOAD: 161 kVa
TOTAL ESTIMATED DEMAND CURRENT: 154.68 A
TOTAL ESTIMATED DEMAND CURRENT +25% FUTURE: 193.36 A

PANEL: WH-PP2

DESIGN SELECTION
MAINS RATING 125A
TYPE MCB

VOLTAGE: 208 /120
PHASES: 3
WIRES: 4
MOUNTING: SURFACE

MINIMUM A.I.C. RATING: 65KAIC
LOCATION: WAREHOUSE
SERVED FROM: WH-PP1 1,3,5
MODIFICATIONS:

NOTE	TRIP AMPS	POLES	DESCRIPTION	WIRE	NEUT	GND	COND	NO	A		B		C		NO	COND	GND	NEUT	WIRE	DESCRTIPTION	POLES	TRIP AMPS	NOTE
	20A	1	OFFICE LIGHTING	(3)12			3/4"	1	1.00 kVa	1.62 kVa					2	3/4"			(3)12	WH RECEPTACLES	1	20A	
	20A	2	AIR CURTAIN 1	(3)12			3/4"	3			1.04 kVa	1.62 kVa			4	3/4"			(3)12	WH RECEPTACLES	1	20A	
								5					1.04 kVa	1.62 kVa	6	3/4"			(3)12	WH RECEPTACLES	1	20A	
	20A	2	AIR CURTAIN 2	(3)12			3/4"	7	1.04 kVa	0.76 kVa					8	3/4"			(3)12	SECURITY PANEL	1	20A	
								9			1.04 kVa	1.56 kVa			10	3/4"			(3)12	CU-001 OFFICE HVAC	2	15A	
	20A	1	DOCK LEVELER 1	(3)12			3/4"	11					0.76 kVa	1.56 kVa	12							15A	
	20A	1	DOCK LEVELER 2	(3)12			3/4"	13	0.76 kVa	0.00 kVa					14								
								15			0.00 kVa	0.00 kVa			16								
								17					0.00 kVa	0.00 kVa	18								
								19	0.00 kVa	0.00 kVa					20								
								21			0.00 kVa	0.00 kVa			22								
								23					0.00 kVa	0.00 kVa	24								
								TOTAL	**5.18 kVa**		**5.26 kVa**		**4.98 kVa**										

LOAD CALSSIFICATION	**CONNECTED LOAD**	**DEMAND LOAD**	**LOAD SUMMARY**
MOTOR	4 kVa	100.00%	4 kVa
POWER	5 kVa	100.00%	5 kVa
RECEPTACLE	5 kVa	100.00%	5 kVa
LIGHTS	1 kVa	100.00%	1 kVa

TOTAL CONNECTED LOAD: 15 kVa

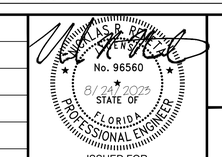
ESTIMATED DEMAND LOAD: 15 kVa
25% FUTURE DEMAND ALLOWANCE 4 kVa
TOTAL ESTIMATED DEMAND LOAD: 19 kVa

TOTAL ESTIMATED DEMAND CURRENT: 53.57 A

THIS DOCUMENT CONTAINS DATA THAT IS CONFIDENTIAL AND IT MAY NOT BE COPIED OR DISCLOSED, AND MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.

ISOMER PROJECT GROUP
115 WELBORN ST., SUITE A
GREENVILLE, SC 29601
www.isomer.group

REV	DATE	REVISION & ISSUE HISTORY	DES	CHK	APP
0	24AUG23	ISSUED FOR CONSTRUCTION	KCB	NRR	JNC



ISSUED FOR CONSTRUCTION
STAMP / SEAL

SCALE AS NOTED

tellus. plant product planet

WAREHOUSE EXPANSION
TELLUS PRODUCTS, LLC.
37021 GATOR BLVD
BELLE GLADE, FL 33430

ISOMER

DOCUMENT TITLE
ELECTRICAL
PANEL SCHEDULES

PROJECT NO.	DRAWING NO.	REV.
TEL2305	EL-SCH-0001	0

ARCH D-24x36