L PANELBOARDS, TRANSFORMERS, TRANSFER SWITCH KIT AND SCONNECTS WILL BE SUPPLIED BY THE OWNER (O'REILLY). ECTRICAL GEAR SHALL BE DIRECT ORDERED AND/OR RELEASED ROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR. SEE

GRAYBAR ELECTRIC CO. INC. 11885 LACKLAND ROAD ST. LOUIS, MO. 63146

GRAYBAR OREILLY TEAM EMAIL: oreilly@graybar.com TOLL FREE: (314) 573-2080

ELEC	'ELECTRIC SERVICE RESPONSIBILITIES' FOR ADDITIONAL CLARIFICATION:																								
	MP	PANELBOARD SCHEDU				HEDULE	PLP					PANELBOARD				SCHEDULE									
	MAINS: 400A MAIN LUGS ONLY			V	OLTAGE	: 208		ACCESSORIES:					MAINS: 400A MAIN LUGS ONLY			VOLTAGE: 208				ACCESSORIES:					
	TYPE: SQUARE D, NQ			PHASE		: 3ø,4W		EQUIPMENT GROUND BAR ISOLATED GROUND BAR					TYPE: SQUARE D, NQ			PHASE: 3ø,4W				EQUIPMENT GROUND BAR ISOLATED GROUND BAR					
Η,	MOUNTING: SURFACE			WIDTH:		20		3. * 'SQ. D' #QO1PA - WITH LOCKABLE CLIPS				MOUNTING: SURFACE			WIDTH: 20				3. *** GFI BREAKER CKT. #16 & #23						
				-				4. + MUST BE TYPE "HACR" BREAKER 5. FEED THRU LUGS											4. ** 'SQ. D' #Q01PAF CKT. #33 " 5. + MUST BE TYPE "HACR" BREAKER						
	SCCR: 22K AIC			SPACE(S)		: 42								SCCR: 22K		AIC	SPACE(S): 42			6. •	'SQ. D' #QO1PA - WITH	LOCK	KABLE CLIPS		
скт	CKT BRK	WIRE	LOAD DESCRIPTION	(KVA)	A(KVA)) B(KVA)	C(KVA)	(KVA)	LOAD DESCRIPTION	WIRE	CKT BRK	СКТ	CKT	CKT BRK	WIRE	LOAD DESCRIPTION	(KVA)	A(KVA)	B(KVA)	C(KVA)	(KVA)	LOAD DESCRIPTION	WIRE	CKT BRK	скт
1			LIGHTING/EXHAUST FAN		6.94			6.43	RTU-1			2	1	20A/1P	#10s	LATHE	1.70	2.20			0.50	CHECK IN RECEPT. (I.G.)	"	20A/1P	_
3	20A/1P	#126	LIGHTING	1,10		7.53		6.43	7.5 TONS (7.80 KW)	#4s	+70A/3P	4	3	,	#10s	CUTOFF SAW	1.73		1.91		0.18	BATTERY RACK RECEPT.	#10s	20A/1P	_
5	<u> </u>	∯12s	LIGHTING	1.19			7.62	6.43	(7.00 KW)			6	5	,	#12s		1.77			1.95		BATTERY RACK RECEPT.		20A/1P	
7	20A/1P	#12s	LIGHTING	1.24	7.67			6.43	RTU-2 7.5 TONS (7.80 KW)	#45	+70A/3P	8	7	,	#12s		0.54	0.90			0.36	BREAK AREA RECEPTS.	#12s	20A/1P	8
9	20A/1P	#12s	LIGHTING	1.11		7.54		6.43				10	9	20A/1P		STARTER/ALT. TESTER	1.68		1.68		0	SPACE			10
11	20A/1P	#12s	LIGHTING	0.93			7.36	6.43				12	11		"	STARTER/ALT. TESTER	1.68			2.40	0.72	RTU RECEPTACLES	#12s	20A/1P	_
13	20A/1P	∯12s	LIGHTING	0.64	5.15	,poono		4.51	RTU-3 5 TONS (4.9 KW)	#8s	+50A/3P	14	13	20A/1P	"	STARTER/ALT. TESTER	1.64	2.00			0.36	RECEPTACLES	#12s	20A/1P	-
15			SPACE	0		4.51		4.51				16	15		#12s		0.36		2.11		-	COKE MACHINE (ONLY)		***20A/1F	_
17			SPACE	0			4.51	4.51				18	17		<u> </u>	ISOLATED GRD. RECEPTS	0.36			1.08	_	ISOLATED GRD. RECEPTS.	"	20A/1P	_
19			SPACE	0	4.51			4.51	RTU-4 5 TONS (4.9 KW)	#8s	+50A/3P	20	19	***********	#126		0.18	0.90					"	20A/1P	
21			SPACE	0		4.51	,	4.51				22	21	30A/1P	#10s		3.00		3.36		۹			20A/1P	_
23	20A/1P	#12s	BUILDING LIGHTING	0.36			4.87	4.51	, ,			24			"		0.90			1.62	0.72	ISOLATED GRD. RECEPTS.	#12s	20A/1P	_
25	20A/1P	#12s	SITE LIGHTING	0.30	0.30	<u> </u>		0	SPACE			26	25	20A/1P	#12s	,	1.00	1.36			*	ISOLATED GRD. RECEPTS.	#12s	20A/1P	-
27	20A/1P	#12s	SITE LIGHTING	0.15		0.15		0	SPACE			28	27		٠	SPACE	0		0.00		0	SPACE			28
29	20A/1P	#12s	SITE SIGN	1.30			1.30	0	SPACE			30	29	20A/1P	#12s		1.08			1.08	0	SPACE			30
31	20A/1P	#12s	SITE SIGN	1.30	1.30			0	SPACE			32	31			SPACE	0	0.00			0	SPACE			32
-	*20A/1P	#12s	LED SIGN BUILDING	1.20		1.20		0	SPACE			34	33	**20A/1P	W		1.65		2.01		******	ISOLATED GRD. RECEPTS.			::1
35				0.03			0.03	0	SPACE			36	35			ISOLATED GRD. RECEPTS.	0.36			0.72	0.36	•	#126	20A/1P	94
37	20A/3P	#12s	GRIDPOINT EC-2000	0.03	0.03			0	SPACE			38	37	*20A/1P	#12s	FIRE ALARM (IF REQ'D)	0.30	0.80			0.50		∯12s	20A/1P	
39				0.03		0.03		0	SPACE			40	39			SPACE	0		0.90		0.90	PHONE EQUIP/SECURITY	#12s	154/19	-
41	20A/1P	#12s	XFMR J-BOX	0.60			1.20	0.60	LCP	#12s	20A/1P	42	41			SPACE	0			0.90	0.90	RECEPTACLES	#12s	20A/1P	42
TOTAL	TOTAL PHASE A (KVA)		KVA) TOTAL PHASE B (KVA)		TOTAL PHASE C (KVA)			TOTAL CONNECTED LOAD (KVA)			TOTAL AMPS		TOTAL PHASE A (KVA)		(KVA)	TOTAL PHASE B (KVA)	TOTAL PHASE C (KVA)			(VA)	TOTAL CONNECTED LOAD (KVA)		TOTAL AMPS		
	25.90		25.47		26				78.26		217.23			8.16		11.97		9.75			29.88		82.94		
	LIGHTING 6.72		EXTERIOR LIGHTING 4.61 TOTAL LIGH			LIGHTING	11.33	HVAC	65.64	RECEPTACLES 13.83			5	MISCELLA	NEOUS	14.40	WATER HEATER			HEATER	1.65 TOTAL CONNECT AMPS = 30			300.1	8
_		_																		1.55 1 .5.52 25.5.501 /481 5 = 556.15					

Ε	TRANSFER SWITCH SCHEDULE											
POSITION	CIRCUIT BREAKER	LOAD DESCRIPTION	(KVA)	BREAKER								
Α	20A/1P	OFFICE COMPUTER	0.36	PLP-36								
В	20A/1P	COUNTER RECEPTACLES	0.36	PLP-34								
С	20A/1P	PRINTER	0.50	PLP-38								
D	20A/1P	TELEPHONE EQUIPMENT/SECURITY	0.90	PLP-40								
E	20A/1P	LIGHTING OFFICE/BATHROOMS (100% ON)	0.51	MP-1								
F	20A/1P	LIGHTING SECURITY (100% ON)	0.64	MP-13								
G	20A/1P	LIGHTING HARD PARTS (DIMMED TO 50% ON)	0.55	MP-3								
Н	20A/1P	LIGHTING HARD PARTS (DIMMED TO 60% ON)	0,59	MP-5								
1	20A/1P	INSTALLER (ISOLATED GRD RECEPTACLE)	0.36	PLP-17								
J	20A/1P	INSTALLER (RECEPTAGLE)	0.18	PLP-19								
GENERATI	OR (6 OOO WATTS)	RATED MAX KVA=5.0 LOAD	4 95	TOTAL								

DOT-HATCH REPRESENTS CIRCUITS
THAT ARE ASSOCIATED WITH OPTIONAL
STANDBY GENERATOR CONTROL.

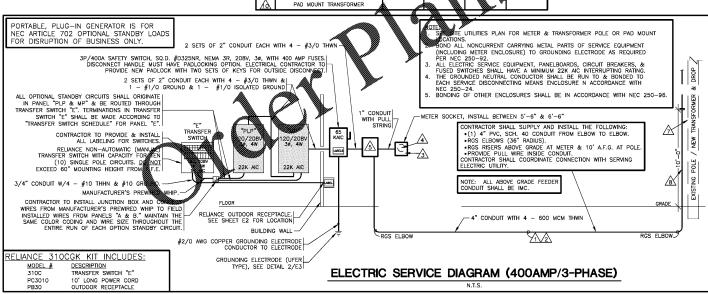
NOTE:
ALL BRANCH CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING
CONDUCTOR ROUTED WITH THE CIRCUIT CONDUCTORS. THIS MEANS
ALL CONDUITS MUST HAVE A GREEN WIRE INSTALLED IN THEM AND
SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE N.E.C.

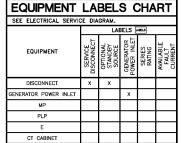
EMERGENCY LIGHT CIRCUITS

ALL EXIT & EMERGENCY LIGHTING CIRCUITS SHALL BE LABELED BY THE CONTRACTOR ON THE "PANEL DIRECTORY". (SPEC: NFPA 70 408.4 & 700.12.)

WIRING & LABELING OF EXIT &







GENERATOR POWER INLET LABEL

PERMANENT LABEL SHALL BE 2 \times 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. LABEL TO BE PLACED 6 INCHES ABOVE GENERATOR RECEPTACLE.

FOR CONNECTION OF A NONSEPARATELY DERIVED (FLOATING NEUTRAL) SYSTEM ONLY (MAX. 6,000 WATT GENERATOR)

EXAMPLE OF LABELING ABOVE.

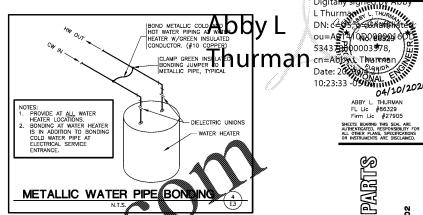
OPTIONAL STANDBY SOURCE LABEL

PERMANENT LABEL SHALL BE 2 x 3 IN SIZE AND SHALL BI BLUE LETTERING ON A CONTRASTING BACKGROUND. LABEL 1 BE PLACED ON DISCONNECT DOOR.

TWO SOURCES OF SUPPLY

RCF LABELING

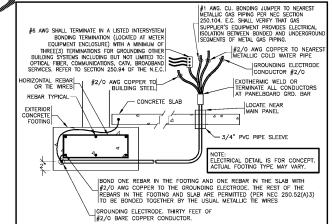
E DISCONNECT LABEL



TS OF SERVICE EQUIPMENT (INCLUDING METER REQUIRED. PER NEC 250-92.
HALL BE RUN TO AND BONDED TO EACH SERVICE
CCORDANCE WITH NEC 250-24c. 0500 E IN ACCORDANCE WITH NEC 250-24c. JREW SHALL BE IN ACCORDANCE WITH NEC 250-96.

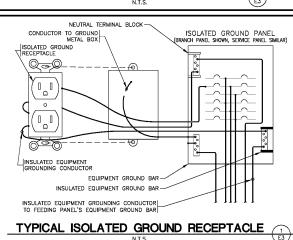
DING & BONDING SHALL BE IN ACCORDANCE WITH: *NEC 250-24 NEC 250-53 *NEC 250-66 *NEC 250-90 *NEC 250-92 *NEC 250-130

BONDING REQUIREMENTS 3



NOTE: GROUNDING ELECTRODE TEST MEASURE AND RECORD GROUND RESISTANCE FROM SYSTEM NEUTRAL CONNECTION AT SERVICE ENTRANCE TO CONVENIENT GROUND REFERENCE POINT USING SUTTAINED GROUND TESTING COLIFMENT. MAXIMUM ACCEPTABLE RESISTANCE: 10 OHMS. WHEN RESISTANCE RECEIPED FROM THE PROPERTY OF TH

GROUNDING ELECTRODE (UFER TYPE) & BONDING JUMPER(S) DETAIL N.T.S.





ABBY L. THURMAN FL Lic #86329 Firm Lic #27905 SHEETS BEARING THIS SEAL ARE AUTHENTICATED, RESPONSIBILITY FO ALL OTHER PLANS, SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

PARTS AUTO

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PROJECT:
NEW O'REILLY AUTO PARTS \$
2425 COUNTY HIGHWAY 484
OCALA, FLORIDA TRICAL O Ш П



ALT/BLC

04/01/2020

PROJECT NUMBER: OF7