PANEL: O
VOLTAGE: 208/120 3P 4W
TYPE: NQOB
MAINS: 200A MLO

PANEL NOTE NO.	SIZE CONDUIT	POWER CABLE NO. RUNS	POWER CABLE NEUT	POWER CABLE PHASE	DEVICE GRD.	DEVICE AMP TRIP	DEVICE POLE	DEVICE KAIC	BRANCH CIRCUIT DESIGNATION	AMPS	NO.	PHASE LOAD (KVA) φA	φB	φC	NO.	AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE KAIC	DEVICE POLE	DEVICE AMP TRIP	DEVICE GRD.	POWER CABLE PHASE	POWER CABLE NEUT	POWER CABLE NO. RUNS	POWER CABLE SIZE CONDUIT	PANEL NOTE NO.
	½	1	10	10	10	25	2	14	HP-1	17	1	7			2	43	AH-1	14	2	50	10	6	6	1	1	
				10							3		7		4							6				
	½	1	12	12	12	15	2	14	HP-4	12	5			2	6	2	AH-4	14	2	20	12	12	12	1	1½	
				12							7	2			8							12				
	½	1		10	10	30	2	14	WATER HTR	21	9		3		10	5	TEL PANEL	14	1	20	12	12	12	1	½	
				10							11			3	12	5	REC-OUTSIDE	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	REC-OFFICE	5	13	2			14	5	REC-OFFICE	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	BATHS	5	15		2		16	5	REC-TRUCK BAY	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	FAN EF6	5	17			2	18	5	REC-OFFICE	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	LTG-OFFICE	5	19	2			20	5	LTG-OFFICE	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	LTG-BUNK RM	5	21		2		22	5	LTG-OUTSIDE	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	LTG-MEZ	5	23			2	24	5	REC-MEZ	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	GEN BAT CHGR	5	25	1			26											
											27				28											
											29				30											
											31				32											
											33				34											
											35				36											
											37				38											
											39				40											
											41				42											

PANEL: MDP
VOLTAGE: 208/120 3p, 4w
TYPE: I-LINE
MAINS: 600A MLO SURF MT

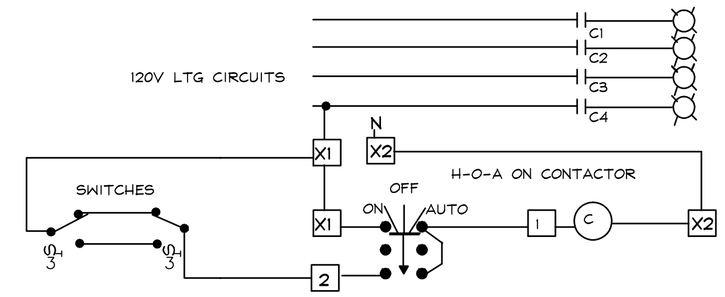
PANEL NOTE NO.	SIZE CONDUIT	POWER CABLE NO. RUNS	POWER CABLE NEUT	POWER CABLE PHASE	DEVICE GRD.	DEVICE AMP TRIP	DEVICE POLE	DEVICE KAIC	BRANCH CIRCUIT DESIGNATION	AMPS	NO.	PHASE LOAD (KVA) φA	φB	φC	NO.	AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE KAIC	DEVICE POLE	DEVICE AMP TRIP	DEVICE GRD.	POWER CABLE PHASE	POWER CABLE NEUT	POWER CABLE NO. RUNS	POWER CABLE SIZE CONDUIT	PANEL NOTE NO.
2	1	3/0	3/0	6	200	3	42	PANEL O	100	1	28			2	125	PANEL W	42	3	200	6	3/0	3/0	1	2	
			3/0								3		28		4											
			3/0								5			28	6											
2	1	3/0	3/0	6	200	3	42	PANEL WS	133	7	16				8											
			3/0								9		16		10											
			3/0								11			16	12											
											13				14											
											15				16											
											17				18											
											19				20											
											21				22											
											23				24											
											25				26											
											27				28											
											29				30											
											31				32											
											33				34											
											35				36											
											37				38											
											39				40											
											41				42											

PANEL: W
VOLTAGE: 208/120 3P 4W
TYPE: NQOB
MAINS: 200A MLO

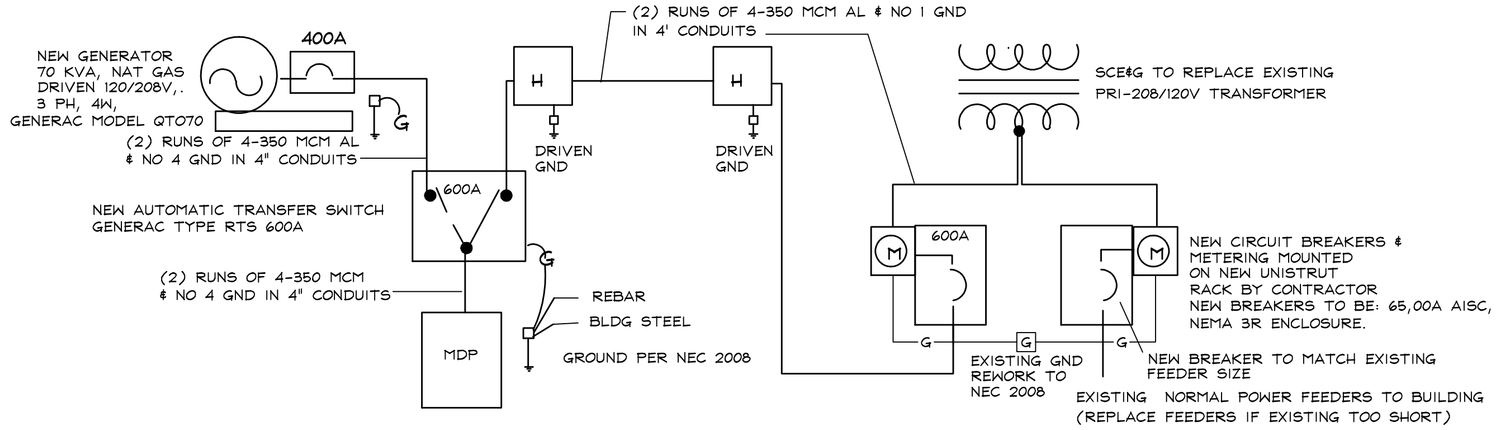
PANEL NOTE NO.	SIZE CONDUIT	POWER CABLE NO. RUNS	POWER CABLE NEUT	POWER CABLE PHASE	DEVICE GRD.	DEVICE AMP TRIP	DEVICE POLE	DEVICE KAIC	BRANCH CIRCUIT DESIGNATION	AMPS	NO.	PHASE LOAD (KVA) φA	φB	φC	NO.	AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE KAIC	DEVICE POLE	DEVICE AMP TRIP	DEVICE GRD.	POWER CABLE PHASE	POWER CABLE NEUT	POWER CABLE NO. RUNS	POWER CABLE SIZE CONDUIT	PANEL NOTE NO.
	1	1	6	6	10	50	2	14	HP-2	30	1	6			2	24	AH-2	14	2	30	10	10	10	1	1½	
				6							3		6		4							10				
	½	1	10	10	10	30	2	14	EXTRACTOR	21	5			5	6	24	DRYER	14	2	30	10	10	10	1	½	
				10							7	5			8							10				
									SPARE		9		1		10	5	REC-WAREHSE	14	1	20	12	12	12	1	½	
									SPARE		11			1	12	5	REC-WORKBNCH	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	REC-WAREHSE	5	13	2			14	5	REC-WAREHOUSE	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	WATER CLR	5	15		2		16	5	SPARE									
	½	1	12	12	12	20	1	14	CONT C1-1	8	17			2	18	8	CONT C1-2	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	CONT C1-3	8	19	2			20	8	CONT C1-4	14	1	20	12	12	12	1	½	
											21				22											
											23				24											
											25				26											
											27				28											
											29				30											
											31				32											
											33				34											
											35				36											
											37				38											
											39				40											
											41				42											

PANEL: WS
VOLTAGE: 208/120 3P 4W
TYPE: NQOB
MAINS: 200A MLO

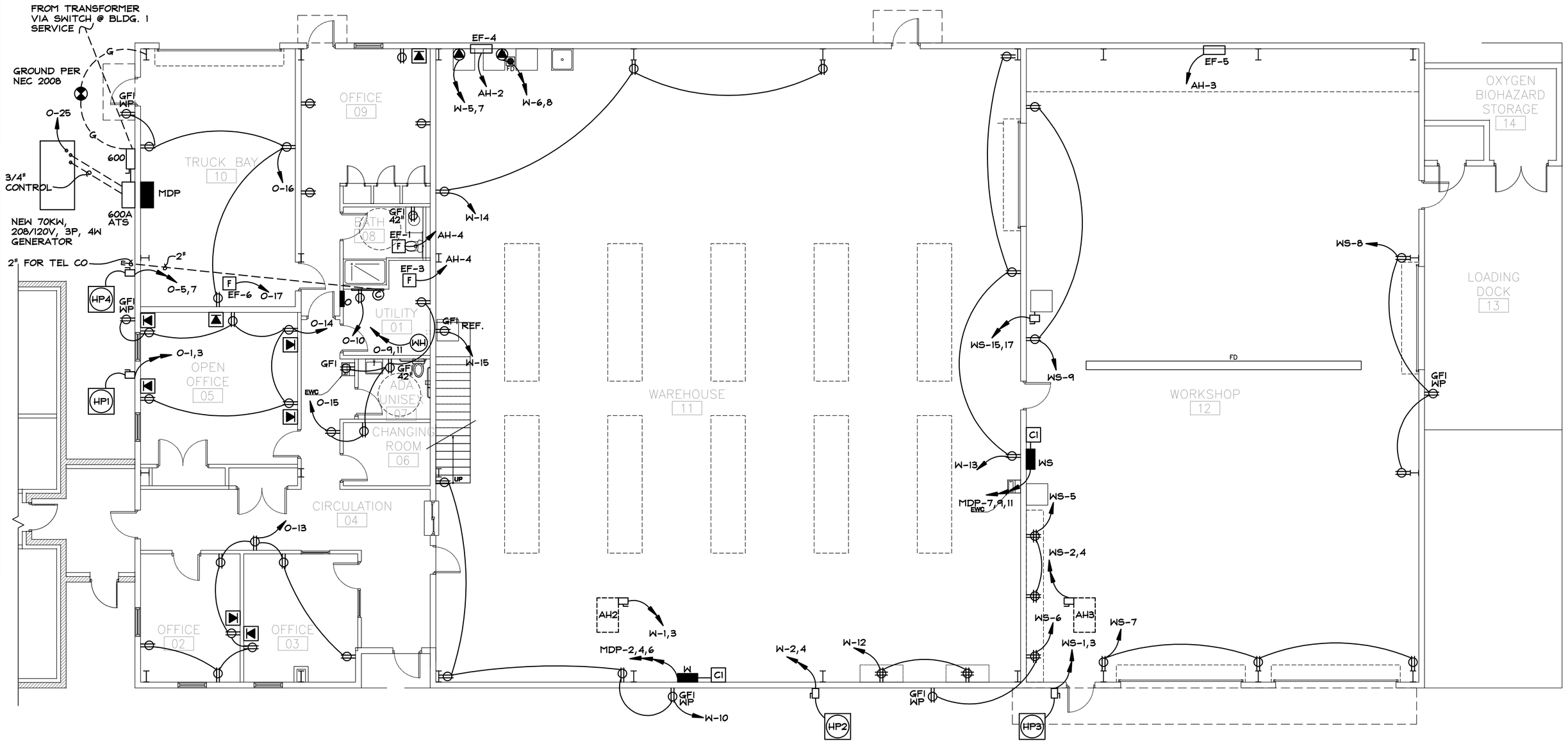
PANEL NOTE NO.	SIZE CONDUIT	POWER CABLE NO. RUNS	POWER CABLE NEUT	POWER CABLE PHASE	DEVICE GRD.	DEVICE AMP TRIP	DEVICE POLE	DEVICE KAIC	BRANCH CIRCUIT DESIGNATION	AMPS	NO.	PHASE LOAD (KVA) φA	φB	φC	NO.	AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE KAIC	DEVICE POLE	DEVICE AMP TRIP	DEVICE GRD.	POWER CABLE PHASE	POWER CABLE NEUT	POWER CABLE NO. RUNS	POWER CABLE SIZE CONDUIT	PANEL NOTE NO.
	1	1	6	6	10	50	2	14	HP-3	30	1	12			2	72	AH-3	14	2	90	8	2	2	1	1½	
				6							3		12		4							2				
	½	1	12	12	12	20	1	14	REC-WKBENCH	5	5			2	6	5	REC-WKBENCH	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	REC-WKSHOP	5	7	2			8	5	REC-WKSHOP	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	REC-WKSHOP	5	9		2		10	5	REC-WKSHOP	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	CONT C2-1	8	11			2	12	8	CONT C2-2	14	1	20	12	12	12	1	½	
	½	1	12	12	12	20	1	14	CONT C2-2	8	13	2			14	5	OUTSIDE LT	14	1	20	12	12	12	1	½	
	½	1	10	10	10	30	2	14	AIR COMPRESSOR	21	15		2		16											
			10								17			2	18											
											19				20											
											21				22											
											23				24											
											25				26											
											27				28											
											29				30											
											31				32											
											33				34											
											35				36											
											37				38											
											39				40											
											41				42											



LIGHTING CONTACTOR CONTROL SCHEME



SINGLE LINE DIAGRAM
NO SCALE



POWER PLAN
1/8"=1'-0"

WILLIAM J. FIELDER, P.E.
ELECTRICAL ENGINEER
P.O. BOX 2123, BLUFFTON, S.C. 29910
843-757-4833

REVISIONS

POWER PLAN
PREPARED FOR COLLETON COUNTY, SC:
FIRE & RESCUE ADDITION
COLLETON COUNTY
SOUTH CAROLINA
DATE: 01-28-13 | SCALE: AS NOTED | DRAWN BY: DB | CHECK'D BY: WJF | PROJECT NO: N/A

ELECTRICAL
E2