

ALL DESIGNS, DRAWINGS AND SPECIFICATIONS DEPICTED ON THIS SHEET ARE THE PROPERTY OF R V ARCHITECTURE, P.A. ANY UNAUTHORIZED USE OR REPRODUCTION IS SUBJECT TO LEGAL PROSECUTION. COPYRIGHT 2017. POSSESSION IN ANY FORM CONSTITUTES ACCEPTANCE OF THESE CONDITIONS. FIRM NUMBER = C-2130

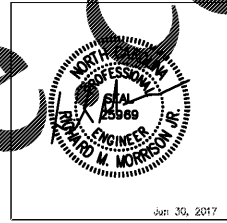
208V ELECTRICAL SCHEDULE											
CONDUIT	ELEVATION	CONDUIT SIZE	FROM	TO	DESCRIPTION	VOLT	CURRENT	PHASE	WIRE	NOTES	
A1	ABOVE	3"	MAIN POWER DISTRIBUTION PANEL	MSP #1	POWER SUPPLY TO MSP #1. 208V/3PH/300AMPS. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	208V	300A	3PH	3-8300FC1 BLK, 1-82 ANG GREEN	ELECTRICIAN	NONE
A2	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	MSP #2	POWER SUPPLY TO MSP #2. 208V/3PH/200AMPS. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	208V	200A	3PH	3-8300 FC1 BLK, 1-82 ANG GREEN	ELECTRICIAN	NONE
A3	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	MSP #3	POWER SUPPLY TO MSP #3. 208V/3PH/200AMPS. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	208V	200A	3PH	3-8300 FC1 BLK, 1-82 ANG GREEN	ELECTRICIAN	NONE
A4	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	RECLAIM PUMPING STATION	POWER SUPPLY TO RECLAIM PUMPING STATION. 208V/3PH/30A. CIRCUIT BREAKER IN ELECTRICAL DISTRIBUTION PANEL.	208V	30A	3PH	3-810ANG BLK, 1-810ANG GREEN	ELECTRICIAN	NONE
A5	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	AIR COMPRESSOR	POWER SUPPLY TO AIR COMPRESSOR. 208V/10HP/3PH. CIRCUIT BREAKER IN ELECTRICAL DISTRIBUTION PANEL.	208V	40A	3PH	3-810ANG BLK, 1-810ANG GREEN	ELECTRICIAN	NONE
A6	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	HYDRA-FLEX MOTOR CONTROL	POWER SUPPLY TO PUMP MOTOR CONTROL. 208V/3PH/30A. CIRCUIT BREAKER IN ELECTRICAL DISTRIBUTION PANEL.	208V	30A	3PH	3-810ANG BLK, 1-810ANG GREEN	ELECTRICIAN	NONE

120V/208V 1PH ELECTRICAL SCHEDULE											
CONDUIT	ELEVATION	CONDUIT SIZE	FROM	TO	DESCRIPTION	VOLT	CURRENT	PHASE	WIRE	NOTES	
B1	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	IC3 CARWASH CONTROLLER	POWER SUPPLY TO CENTRAL CARWASH CONTROLLER. SUPPLY BREAKER IN PDP CAPABLE OF 20 AMPS AT 220V 1 PH.	220V	20A	1PH	2-812ANG RED, 1-812ANG WHITE, 1-812ANG GREEN	ELECTRICIAN	NONE
B2	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	RECLAIM PUMPING STATION	POWER SUPPLY TO RECLAIM PUMPING STATION. 120V/1PH/20AMPS. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	208V	15A	1PH	1-814ANG RED, 1-814ANG WHITE, 1-814ANG GREEN	ELECTRICIAN	NONE
B3	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	SPOT FREE WATER SYSTEM	POWER SUPPLY TO SPOT FREE WATER SYSTEM. (2) 220V/1PH/20AMPS. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	220V	20A	1PH	4-812ANG BLACK, 1-812ANG GREEN	ELECTRICIAN	TERMINATE IN JUNCTION BOX W/AL-20 THIST LOCK CONNECTOR
B4	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	MAT WASHER	POWER SUPPLY MAT WASHER. 220V/1PH/40AMPS. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	220V	20A	1PH	2-812ANG BLACK, 1-812ANG GREEN	ELECTRICIAN	NONE
B5	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	POINT OF SALE COMPUTER	POWER SUPPLY TO CUSTOMER POINT OF SALE COMPUTER LOCATED IN THE MANAGERS OFFICE. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	120V	15A	1PH	1-814ANG RED, 1-814ANG WHITE, 1-814ANG GREEN	ELECTRICIAN	NONE
B6	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	CUSTOMER ENTRY DEVICE #1	POWER SUPPLY TO CUSTOMER POINT OF SALE LOCATED AT THE ENTRANCE OF THE WASH. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	120V	15A	1PH	1-814ANG RED, 1-814ANG WHITE, 1-814ANG GREEN	ELECTRICIAN	NONE
B7	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	GATED ENTRY DEVICE #1	POWER SUPPLY TO GATE CONTROLLER LOCATED NEAR THE CUSTOMER POINT OF SALE. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	120V	20A	1PH	1-812ANG RED, 1-812ANG WHITE, 1-812ANG GREEN	ELECTRICIAN	NONE
B8	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	CUSTOMER ENTRY DEVICE #2	POWER SUPPLY TO CUSTOMER POINT OF SALE LOCATED AT THE ENTRANCE OF THE WASH. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	120V	15A	1PH	1-814ANG RED, 1-814ANG WHITE, 1-814ANG GREEN	ELECTRICIAN	NONE
B9	UNDER	2"	MAIN POWER DISTRIBUTION PANEL	GATED ENTRY DEVICE #2	POWER SUPPLY TO GATE CONTROLLER LOCATED NEAR THE CUSTOMER POINT OF SALE. CIRCUIT BREAKER IN POWER DISTRIBUTION PANEL.	120V	20A	1PH	1-812ANG RED, 1-812ANG WHITE, 1-812ANG GREEN	ELECTRICIAN	NONE

208V MOTOR STARTER PANEL ELECTRICAL SCHEDULE											
CONDUIT	ELEVATION	CONDUIT SIZE	FROM	TO	DESCRIPTION	VOLT	CURRENT	PHASE	WIRE	NOTES	
C1	UNDER	2"	MSP #1	IHP HYDRAULIC POWER PACK	POWER SUPPLY TO IHP HYDRAULIC POWER PACK. SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8A	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C2	ABOVE	2"	MSP #1	TOP WHEEL	POWER SUPPLY TO TOPWHEEL #1 MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C3	ABOVE	2"	MSP #1	QUICKFIRE	POWER SUPPLY TO IHP QUICKFIRE MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C4	ABOVE	2"	MSP #1	QUICKFIRE	POWER SUPPLY TO IHP QUICKFIRE MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C5	UNDER	2"	MSP #1	LSH	POWER SUPPLY TO IHP LOW SIDE WASHER MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C6	UNDER	2"	MSP #1	LSH	POWER SUPPLY TO IHP LOW SIDE WASHER MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C7	ABOVE	2"	MSP #1	TOP WHEEL	POWER SUPPLY TO TOPWHEEL #2 MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C8	ABOVE	2"	MSP #1	QUICKFIRE	POWER SUPPLY TO IHP QUICKFIRE MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C9	ABOVE	2"	MSP #1	QUICKFIRE	POWER SUPPLY TO IHP QUICKFIRE MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C10	ABOVE	2"	MSP #1	FULL SIDE WASHER	POWER SUPPLY TO IHP FULL SIDE WASHER MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C11	ABOVE	2"	MSP #1	FULL SIDE WASHER	POWER SUPPLY TO IHP FULL SIDE WASHER MOTOR FROM SYS MCC PANEL.	208V	4.6A	3PH	3-814ANG BLACK, 1-814ANG GREEN	ELECTRICIAN	NONE
C12	UNDER	1 1/2"	MSP #1	SJPS	POWER SUPPLY TO S.J.P.S. SUPPLY BREAKER IN PDP CAPABLE OF 74.8 AMPS AT 208V 3 PH.	208V	74.8	3PH	3-812ANG BLACK, 1-812ANG GREEN	ELECTRICIAN	NONE
C13	UNDER	2"	MSP #1	PREP JET PUMPING STATION	POWER SUPPLY TO PREP JET PUMPING STATION. SUPPLY BREAKER IN PDP CAPABLE OF 24.2 AMPS AT 208V 3 PH.	208V	24.2	3PH	3-810ANG BLK, 1-810ANG GREEN	ELECTRICIAN	NONE
C14	ABOVE	1"	MSP #1	AIRBLADE DRYER MOTORS	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	(2) 30.8	3PH	4-810ANG BLACK, 2-810ANG GREEN	ELECTRICIAN	POWER FOR BOTH MOTORS. PROVIDE DISTRIBUTION BOX IN CEILING.
C15	ABOVE	2"	MSP #2	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C16	ABOVE	2"	MSP #2	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C17	ABOVE	2"	MSP #2	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C18	ABOVE	2"	MSP #2	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C19	ABOVE	2"	MSP #2	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C20	ABOVE	2"	MSP #3	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C21	ABOVE	2"	MSP #3	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C22	ABOVE	2"	MSP #3	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE
C23	ABOVE	2"	MSP #3	DRYER MOTOR	POWER SUPPLY TO IHP DRYER . SUPPLY BREAKER IN PDP CAPABLE OF 30.8 AMPS AT 208V 3 PH.	208V	30.8	3PH	3-810ANG BLACK, 1-810ANG GREEN	ELECTRICIAN	NONE



2823 South Tryon Street
Charlotte, North Carolina
tel 704.373.0068



FIRM NUMBER = C-2130

Project
Sam's Mart
E. Independence Blvd.
Indian Trail, NC 28097

Owner
Sam's Mart
100 Council Place
Suite 200
28203
Matthews, NC 28105



124 Floyd Smith Dr
Suite 375
Charlotte, NC 28262
Tel - 704 - 688-7500

7301 Rivers Avenue
Suite 188
North Charleston, SC 29406
Tel - 843 - 531-6848

www.R4architecture.com

Revision Date

Drawn By Saber
Checked By Saber
Issue Date 07-05-17
Project No 160345

Sheet Title
ELECTRICAL
CAR WASH SCHEDULES

Sheet Number
E501

ELECTRICAL NOTES:

- ELECTRICAL SERVICE BY OTHERS, FOLLOWING ALL LOCAL AND NATIONAL CODES.
- BELANGER, INC. RECOMMENDS THAT ALL ELECTRICAL CONDUITS BE RUN OUT THE BOTTOM OF JUNCTION BOXES AND/OR PANELS WHEREVER POSSIBLE.
- WATER PROOF ELECTRICAL FITTINGS REQUIRED TO ALL ELECTRICAL CONNECTIONS.
- ALL ELECTRICAL CONNECTIONS TO BE COMPLETED BY AND MATERIALS PROVIDED BY ELECTRICAL CONTRACTOR.
- FOR ELECTRICAL SCHEDULE, LINE SIZE AND REQUIREMENTS, REFER TO SHEET E1

Order Plans @