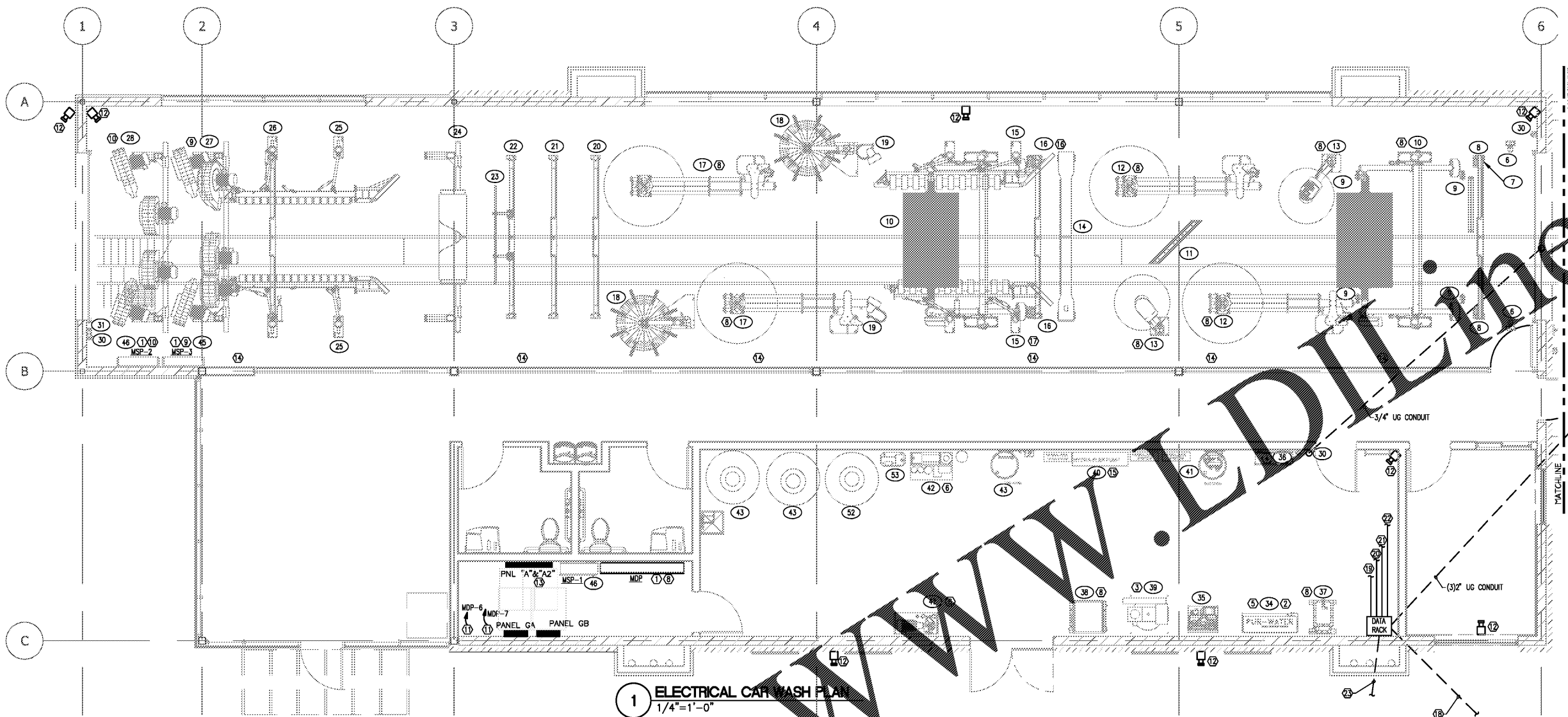


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1 ELECTRICAL CAR WASH PLAN
1/4"=1'-0"

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MECHANICAL ELECTRICAL

APR 20, 2017
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Sheet Title:
**ELECTRICAL
CAR WASH
PLAN**

Sheet Number:
E301

EQUIPMENT SCHEDULE									
INSERT NO.	QUANTITY	DESCRIPTION	SUPPLIED BY	INSTALLED BY	INSERT NO.	QUANTITY	DESCRIPTION	SUPPLIED BY	INSTALLED BY
1	1	CORRELATOR	BELANGER	BELANGER	28	1	40HP AIR CANNON	BELANGER	BELANGER
2	1	MAT WASHER	OTHER	OTHER	29	1	EXIT WAIT/GO	BELANGER	BELANGER
3	1	GRATING	OTHER	OTHER	30	3	EMERGENCY STOP BUTTON	OTHER	OTHER
4	1	124" DURAIRANS CONVEYOR	BELANGER	BELANGER	31	1	EXIT LOOP AMPLIFIER	OTHER	OTHER
5	1	ENTRANCE DIRECTIONAL SIGN	BELANGER	BELANGER	32	1	OPERATOR INTERFACE	OTHER	OTHER
6	1	BAY ENTRANCE PHOTO-EYE	BELANGER	BELANGER	33	1	MAIN POWER DISTRIBUTION PANEL	OTHER	OTHER
7	1	PRESOAK ARCH	BELANGER	BELANGER	34	1	RECLAIM SYSTEM	BELANGER	BELANGER
8	1	PRESOAK FOMERS	BELANGER	BELANGER	35	1	QUALINK	BELANGER	BELANGER
9	2	CHEMICAL TIRE APPLICATORS	BELANGER	BELANGER	36	1	WASH CONTROLLER	OTHER	OTHER
10	2	TOP WHEEL	BELANGER	BELANGER	37	1	PREP-JET PUMP	BELANGER	BELANGER
11	1	UNDERCARRIAGE	BELANGER	BELANGER	38	1	SUPER PUMPING SYSTEM	BELANGER	BELANGER
12	1	QUICKFIRE WRAPS	BELANGER	BELANGER	39	1	10HP AIR COMPRESSOR	BELANGER	BELANGER
13	1	LOW SIDE WASHERS	BELANGER	BELANGER	40	1	HYDRAFLEX CHEMICAL DELIVERY	BELANGER	BELANGER
14	1	SUDZER ARCH	BELANGER	BELANGER	41	1	MIXSTIRS - BUG CHEMICAL	BELANGER	BELANGER
15	1	DURA SCRUBBER - TIRE BRUSH	BELANGER	BELANGER	42	1	SPOT FREE WATER SYSTEM	BELANGER	BELANGER
16	1	TRIPLE FOAM PODS W/NEON LIGHT ARCH	BELANGER	BELANGER	43	1	750GAL SPOT FREE STORAGE TANKS	BELANGER	BELANGER
17	1	QUICKFIRE WRAP	BELANGER	BELANGER	44	1	DURASHINER CONTROL	BELANGER	BELANGER
18	1	FULL SIDE WASHER	BELANGER	BELANGER	45	1	50HP DRYER MOTOR STARTER PANEL	BELANGER	BELANGER
19	1	DURABLASTER	BELANGER	BELANGER	46	1	40HP+SHIP MOTOR STARTER PANEL	BELANGER	BELANGER
20	1	FRESH WATER DIVER ARCH	BELANGER	BELANGER	47	1	10 HP HYDRAULIC POWER UNIT	BELANGER	BELANGER
21	1	SUPER WAX/DRESS AGENT W/ARCH	BELANGER	BELANGER	48	1	MOTOR CONTROL PANEL	BELANGER	BELANGER
22	1	WAX-NEON	BELANGER	BELANGER	49	4	1500 GALLON RECLAIM STORAGE TANKS	OTHER	OTHER
23	1	RAIN MAKE-UP - SPOT FREE	BELANGER	BELANGER	50	1	START/STOP BUTTON	OTHER	OTHER
24	1	AIR BLADE DRYER	BELANGER	BELANGER	51	4	WASH WANDS	BELANGER	BELANGER
25	1	DURASHINER	BELANGER	BELANGER	52	1	750GAL SPOTFREE REJECT STORAGE TANKS	BELANGER	BELANGER
26	1	UTILITY ARCH (NEON LIT)	BELANGER	BELANGER	53	1	SPOT FREE REJECT REPRESS PUMP	BELANGER	BELANGER
27	1	50HP AIR CANNON	BELANGER	BELANGER					

- NOTES:**
- PROVIDE CONDUIT AND CONDUCTORS UNDER SLAB PER ELECTRICAL RISER DIAGRAM. SEE SHEET E401 FOR CONNECTIONS TO CARWASH MOTOR STARTER PANELS (PROVIDED AND INSTALLED BY CARWASH VENDOR).
 - PROVIDE (2) #10, #100 3/4" CONDUIT UNDER SLAB FROM PANEL 'A' TO 5 HP RECLAIM PUMPING STATION.
 - PROVIDE (2) #100 1" CONDUIT UNDER SLAB FROM PANEL 'A' TO 10 HP AIR COMPRESSOR.
 - PROVIDE (4) #12, #120 3/4" CONDUIT UNDER SLAB FROM PANEL 'A' TO CENTRAL CARWASH CONTROLLER.
 - PROVIDE (4) #12, #120 3/4" CONDUIT UNDER SLAB FROM PANEL 'A' TO RECLAIM PUMPING STATION.
 - PROVIDE (4) #12, #120 3/4" CONDUIT UNDER SLAB FROM PANEL 'A' TO SPOT FREE WATER SYSTEM. AT SPOT FREE WATER SYSTEM TERMINATE INTO (2) JUNCTION BOXES WITH (2) NEMA L6-20R RECEPTACLES. CONFIRM EXACT NEMA CONFIGURATIONS AND LOCATIONS WITH CARWASH VENDOR.
 - PROVIDE (2) #12, #120 3/4" CONDUIT ABOVE CEILING FROM PANEL 'A' TO PIVOTING WHEEL STRINGER IN WASH BAY.
 - PROVIDE THE FOLLOWING CONDUIT AND CONDUCTORS ABOVE CEILING EXCEPT AS NOTED FROM MSP1 TO THE FOLLOWING 3PH EQUIPMENT LOCATIONS:
 (3) #6, #100 1" CONDUIT TO 10 HP HYDRAULIC POWER PACK.
 (3) #12, #120 3/4" CONDUIT TO TOP WHEEL #1.
 (3) #12, #120 3/4" CONDUIT TO TOP WHEEL #2.
 (3) #12, #120 3/4" CONDUIT TO 1 HP QUICKFIRE WRAP #1.
 (3) #12, #120 3/4" CONDUIT TO 1 HP QUICKFIRE WRAP #2.
 (3) #12, #120 3/4" CONDUIT TO 1 HP LOWSIDE WASHER #1.
 (3) #12, #120 3/4" CONDUIT TO 1 HP LOWSIDE WASHER #2.
 (3) #12, #120 3/4" CONDUIT TO 1 HP CYRO METER/WASHER #1.
 (3) #12, #120 3/4" CONDUIT TO 1 HP CYRO METER/WASHER #2.
 (3) #2, #60 1-1/4" CONDUIT TO SUPER JET PUMPING STATIONS.
 (3) #8, #100 1" CONDUIT UNDER SLAB TO PREP-JET PUMP.
 - PROVIDE THE FOLLOWING CONDUITS AND CONDUCTORS ABOVE CEILING FROM MSP2 TO THE FOLLOWING 3PH EQUIPMENT LOCATIONS FOR (5) 10 HP FEEDERS TO 50 HP AIR CANNON. VERIFY EACH CONNECTION POINT WITH CARWASH VENDOR:
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON 50 HP CANNON #1.
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON 50 HP CANNON #2.
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON 50 HP CANNON #3.
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON 50 HP CANNON #4.
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON 50 HP CANNON #5.
 - PROVIDE THE FOLLOWING CONDUITS AND CONDUCTORS ABOVE CEILING FROM MSP3 TO THE FOLLOWING 3PH EQUIPMENT LOCATIONS FOR (4) 10 HP FEEDERS TO 40 HP AIR BLADE SELECT. VERIFY EACH CONNECTION POINT WITH CARWASH VENDOR:
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON AIR BLADE SELECT #1.
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON AIR BLADE SELECT #2.
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON AIR BLADE SELECT #3.
 (3) #6, #100 1" CONDUIT TO 10 HP MOTOR ON AIR BLADE SELECT #4.
 - VACUUM CENTER CONTROL PANEL. PROVIDE (4) #1/0, #60 1-1/2" CONDUIT FROM MDP TO CONTROLLER. VERIFY LOCATION. SEE PAY STATION/VACUUM CENTER ELECTRICAL PLAN E102, FOR POWER AND CONTROL CONDUIT TO EXTERIOR VACUUM EQUIPMENT.
 - PROVIDE 3/4" CONDUIT STUB-OUT. PROVIDE PULL WIRE AND LABEL. COORDINATE ALL CAMERA LOCATIONS WITH OWNER PRIOR TO INSTALLATION. SECURITY CAMERA CONTRACTOR TO MAKE FINAL CONNECTION.
 - PROVIDE (2) #12, #120 3/4" CONDUIT UNDER SLAB FROM PANEL 'A' TO:
 -POS COMPUTER AT PAY STATION #1.
 -GATE CONTROLLER AT ENTRY GATE #1.
 -POS COMPUTER AT PAY STATION #2.
 -GATE CONTROLLER AT ENTRY #2.
 - INSTALL EQUIPMENT DISCONNECTING MEANS HIGH ON WALL IN LINE OF SIGHT OF EQUIPMENT. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR.
 - PROVIDE (3) #12, #120 3/4" CONDUIT UNDER SLAB FROM PANEL 'A' TO HYDRA FLEX CONTROLLER.
 - PROVIDE (3) #12, #120 3/4" CONDUIT UNDER SLAB FROM MSP2 TO SUDDER. VERIFY CONNECTION POINT WITH CARWASH VENDOR.
 - PROVIDE TWO 30A/1P CIRCUITS (3) #10, #100 IN 3/4" CONDUIT TO HOT WAX MACHINE. VERIFY CONNECTION POINT WITH CARWASH VENDOR.
 - PROVIDE (3) 2" UNDERGROUND CONDUITS TO ISLAND PAYSTATION/AUTO SENTRY. FIELD VERIFY EXISTING CONDITIONS AND ROUTING PRIOR TO INSTALLATION. PROVIDE PULL WIRE AND LABEL. SEE SHEET E102 FOR PAYSTATION LOCATION.
 - PROVIDE 2" CONDUIT WITH PULL STRING TO OFFICE. FIELD VERIFY EXACT CONDUIT ROUTING PRIOR TO INSTALLATION.
 - PROVIDE 3/4" CONDUIT WITH PULL STRING TO TIMECLOCK. FIELD VERIFY EXACT CONDUIT ROUTING PRIOR TO INSTALLATION.
 - PROVIDE 3/4" CONDUIT WITH PULL STRING TO POS. FIELD VERIFY EXACT CONDUIT ROUTING PRIOR TO INSTALLATION.
 - PROVIDE 1" CONDUIT WITH PULL STRING TO ALERTER. FIELD VERIFY EXACT CONDUIT ROUTING PRIOR TO INSTALLATION.
 - PROVIDE (1) 2" UNDERGROUND CONDUIT TO MONUMENT SIGN. FIELD VERIFY EXISTING CONDITIONS AND ROUTING PRIOR TO INSTALLATION. PROVIDE PULL WIRE AND LABEL. SEE SHEET E102 FOR MONUMENT SIGN LOCATION.

GENERAL NOTES:

- FOR ALL UNDER SLAB POWER RUNS, CONTRACTOR SHALL RUN CONDUIT PRIOR TO CARWASH EQUIPMENT INSTALLATION.
- AFTER CARWASH EQUIPMENT HAS BEEN SET, CONTRACTOR SHALL PROVIDE CONDUCTORS IN UNDER SLAB POWER CONDUIT RUNS, CONTINUE CIRCUITS TO EQUIPMENT AND TERMINATE IN EQUIPMENT.
- CONTRACTOR SHALL PROVIDE ABOVE CEILING POWER RUNS TO CARWASH EQUIPMENT AND TERMINATE INTO EQUIPMENT AFTER EQUIPMENT HAS BEEN SET.
- COORDINATE EQUIPMENT LOCATIONS AND REQUIREMENTS WITH BELANGER CARWASH DRAWINGS AND CARWASH EQUIPMENT VENDOR.

