

ELECTRICAL SHOP EQUIPMENT SCHEDULE

ITEM #	QUANTITY	DESCRIPTION	VOLTS	PHASE	POLE	AMPS	REMARKS
9	1	AIR DRYER	120	1	1	20	SEE "POWER PLAN KEYNOTES" #7 ON THIS SHEET
10	1	BRAKE SHOP (INSTALLED BY HUNTER)	120	1	1	20	
13A	1	ELECTRONIC WHEEL BALANCER GSP9700 (INSTALLED BY HUNTER)	208	1	2	20	SEE "POWER PLAN KEYNOTES" #2 ON THIS SHEET
13B	1	ELECTRONIC WHEEL BALANCER GSP9200 (INSTALLED BY HUNTER)	208	1	2	20	SEE "POWER PLAN KEYNOTES" #12 ON THIS SHEET
17	2	HEAVY DUTY CORD REEL	120	1	1	20	SEE "POWER PLAN KEYNOTES" #1 ON THIS SHEET
18B	1	RIM CLAMP TIRE CHANGER HUNTER AUTO #TCR1S (INSTALLED BY HUNTER)	208	1	2	30	SEE "POWER PLAN KEYNOTES" #20 ON THIS SHEET
28	2	5 HP AIR COMPRESSOR	208	3	3	30	SEE "POWER PLAN KEYNOTES" #7 ON THIS SHEET
42	7	SHOP FAN	120	1	1	20	SEE "POWER PLAN KEYNOTES" #17 ON THIS SHEET

NOTES:
VERIFY ALL ELECTRICAL REQUIREMENTS AND NEMA CONFIGURATIONS TO ACTUAL EQUIPMENT SUPPLIED PRIOR TO ROUGH-IN.

DATA REQUIREMENTS

THERE ARE A TOTAL OF EIGHT (8) LINES THAT SERVICE EACH STORE FOR PHONE AND DATA. INTERNET SERVICE VIA LOCAL CABLE SERVICE WILL BE INSTALLED POST OPENING. ALL LINES TERMINATE AT "D-MARC" BOARD IN UTILITY AREA.

PROVIDE ALL POWER AND LOW VOLTAGE CONDUITS, PER CODE. AND THIS INCLUDES OPTIONAL STATE INSPECTIONS EQUIPMENT.

CLEAR ACCESS WILL BE MAINTAINED IN ORDER FOR BSRO "IT" DEPARTMENT TO INSTALL ALL NECESSARY WIRING. BSRO "IT" DEPARTMENT WILL INSTALL ALL WIRING AND EQUIPMENT UNLESS OTHERWISE NOTED.

"MVS" STATION REQUIREMENTS IN SERVICE AREA:
INSTALL ONE (1) QUAD RECEPTACLE IN THE MIDDLE OF THE CABINET. THE POWER SHOULD TERMINATE IN A JUNCTION BOX MOUNTED ON THE WALL ADJACENT TO THE STATION. ASSOCIATED DATA BOXES SHOULD TERMINATE IN A JUNCTION BOX ADJACENT TO STATION. CONDUIT ASSOCIATED WITH DATA BOX SHALL BE EXTENDED TO SERVER CABINET. PROVIDE PULL STRINGS IN CONDUIT. COORDINATE WITH OTHER SERVER CONDUITS.

"POD" REQUIREMENTS IN CUSTOMER SHOWROOM:
PROVIDE ONE (1) QUAD RECEPTACLE WHICH SHOULD TERMINATE IN A JUNCTION BOX MOUNTED ON THE BACK SIDE OF THE PANEL, APPROXIMATELY 19" ABOVE THE BOTTOM OF CABINET AND BELOW THE LOWEST FIXED SHELF.

SERVER CABINET REQUIREMENTS IN MANAGER OFFICE:
SERVER CABINET RIGHT SIDE CONDUIT:
PROVIDE 3/4" RIGID CONDUIT FROM SERVER CABINET FOR POWER TO QUAD. MOUNT RECEPTACLE INSIDE SERVER CABINET AT 66" AFF AND CIRCUIT AS SHOWN. MOUNT RECEPTACLE AND CONDUIT AFTER SERVER CABINET INSTALLATION. REFER TO SHEET A7 FOR ADDITIONAL INFORMATION.

SERVER CABINET LEFT SIDE CONDUIT:
PROVIDE ONE (1) 2" CONDUIT INSIDE LEFT SIDE OF SERVER CABINET. EXTEND TO 12'-0" AFF. PROVIDE ONE (1) ADDITIONAL 2" CONDUIT FROM 13'-0" AFF TO INVENTORY ROOM. MOUNT RECEPTACLE 10'-0" AFF ABOVE TELEPHONE EQUIPMENT RECEPTACLE.

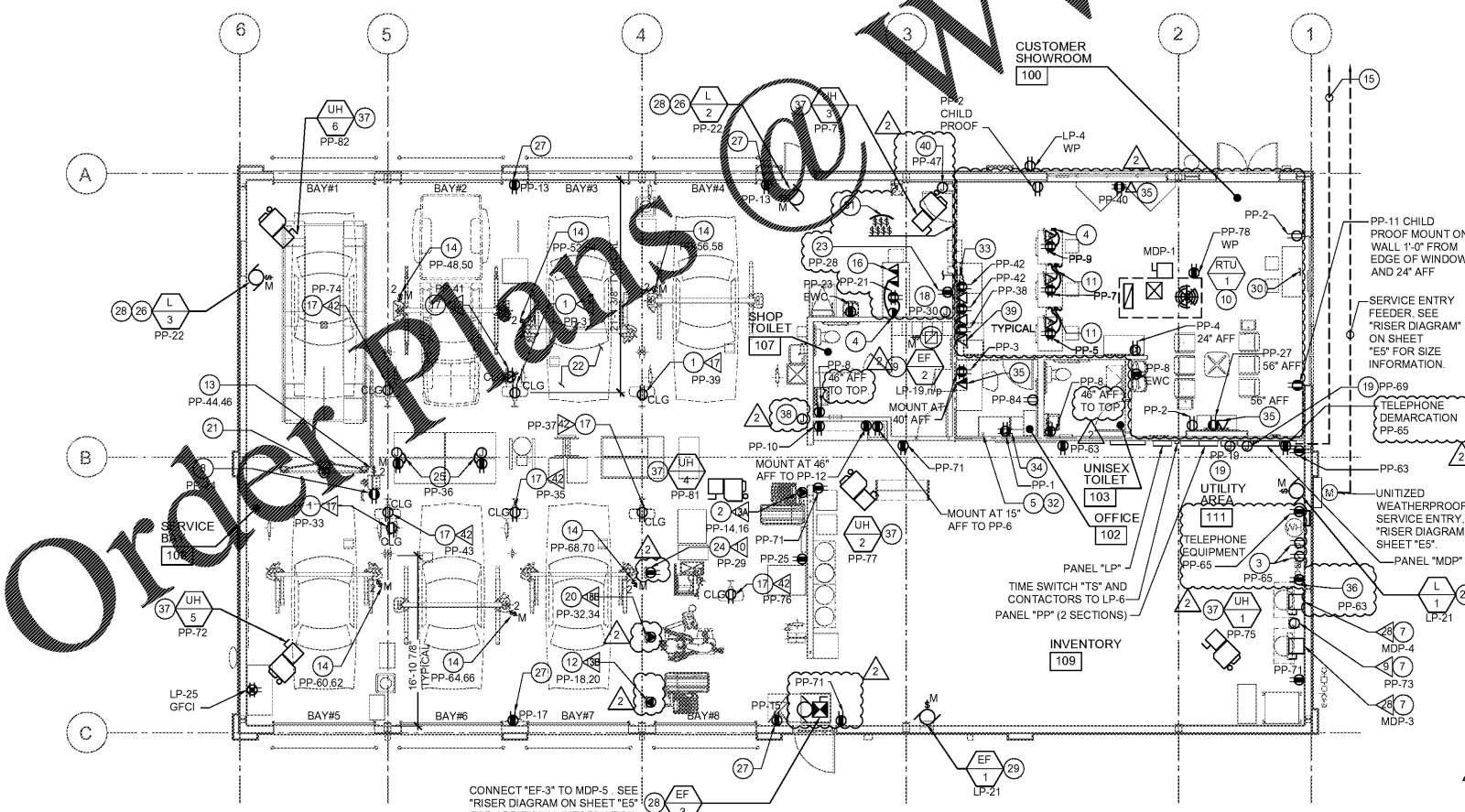
UTILITY ROOM AND EXTERIOR SITE CONDUIT:
PROVIDE SUFFICIENT LENGTH OF 2" CONDUIT AND EXTEND THE ONE (1) 2" CONDUIT FROM THE EXTERIOR TO THE "D-MARC" LOCATION ON THE UTILITY ROOM BOARD. SEE NOTE 15.

POWER PLAN GENERAL NOTES

- ALL SWITCHES AND OTHER LIKE DEVICES TO BE 48" MIN. AFF. UNLESS OTHERWISE NOTED.
- ALL ELECTRICAL CONDUITS ALONG "CMU" WALLS NEED TO BE DROPPED DIRECTLY FROM STRUCTURE DOWN TO DEVICE BELOW, NO HORIZONTAL CONDUIT RUNS ALLOWED.
- ALL DEVICES LOCATED IN "SERVICE AREA" SHALL BE MOUNTED AT 64" AFF UNLESS NOTED OTHERWISE.
- ALL DEVICES LOCATED IN THE FOLLOWING ROOMS: CUSTOMER SHOWROOM, OFFICE, BREAK AREA, SHOP TOILET, AND UNISEX TOILET, SHALL BE MOUNTED AT 24" AFF. UNLESS NOTED OTHERWISE.
- ALL WIRING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE "NEC" AND LOCAL CODE AUTHORITIES HAVING JURISDICTION. FOR ROUTING OF CONDUITS, SEE NOTE 15 IN THE "GENERAL ELECTRICAL NOTES" ON SHEET E3.
- WIRE ALL HVAC CONTROL DEVICES, AND COORDINATE WITH OTHERS. SEE NOTE 15 IN THE "GENERAL ELECTRICAL NOTES" ON SHEET E3 FOR ADDITIONAL INFORMATION.

POWER PLAN KEYED NOTES

- CORD REEL EQUIPMENT TAG 17, MOUNT TO ROOF STRUCTURE AT LOCATION SHOWN. CIRCUIT SHALL BE GFCI PROTECTED PER PANEL SCHEDULE. INSTALL TO AVOID CONFLICT WITH OTHER EQUIPMENT. SEE DETAILS ON SHEET E4 FOR ADDITIONAL INFORMATION.
- PROVIDE 20 AMPERE, 208 VOLT, SINGLE PHASE, 3 WIRE RECEPTACLE "NEMA" L6-20R AT 4'-0" AFF FOR ELECTRONIC WHEEL BALANCER EQUIPMENT TAG 13A. VERIFY RECEPTACLE CONFIGURATION WITH PLUG PROVIDED WITH EQUIPMENT.
- PROVIDE DOUBLE DUPLEX RECEPTACLE FOR RP-1 AND WH-1. COORDINATE LOCATION OF WH-1 AND RP-1 WITH PLUMBING CONTRACTOR.
- TELE-POWER POLE EXTEND POLE FROM SALES POD AND OR DESKS AS SHOWN UP TO STRUCTURE. SEE DETAILS ON SHEET E4 FOR ADDITIONAL INFORMATION. FLEX FROM POLE AND MOUNT AND WIRE DEVICES IN DESKS AS SHOWN. AND VERIFY REQUIREMENTS WITH MILLWORK VENDOR. COORDINATE EXACT POWER POLE DROP LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 2" PVC CONDUIT FOR DATA CABLING UP WALL TO 12'-0" AFF. PROVIDE ADDITIONAL 2" CONDUIT FROM 13'-0" AFF ABOVE SERVER CABINET TO 10'-0" ABOVE TELEPHONE EQUIPMENT RECEPTACLE IN INVENTORY ROOM.
- PLYWOOD BACKBOARD SEE ARCHITECTURAL INTERIOR ELEVATION FOR DETAIL DESCRIPTION. BACKBOARD TO MOUNT TELEPHONE TERMINAL CABINET AND OTHER ELECTRICAL EQUIPMENT. FOR TELEPHONE TERMINAL CABINET, SEE SHEET "E3" FOR ADDITIONAL INFORMATION.
- AIR COMPRESSOR EQUIPMENT TAG 28. SEE DETAILS ON SHEET E4 FOR ADDITIONAL INFORMATION. PROVIDE 30 AMPERE, 3 POLE, NON-FUSED, LOCKABLE, WITH LOCK PROVIDED, DISCONNECT SWITCH FOR AIR COMPRESSOR, UNLESS NOT ALLOWED BY AHJ. MAKE ALL FINAL POWER TERMINATIONS, AS WELL AS ALL CONNECTIONS TO THE POWER, TAG 9, AT 120 VOLT, SINGLE PHASE LOCATED ADJACENT TO AIR PIPE MANIFOLD ON AIR COMPRESSORS.
- DEDICATED LINE ISOLATED GROUND RECEPTACLE FOR WHEEL ALIGNMENT COMPUTER. COORDINATE EXACT LOCATION AND CONNECTION REQUIRED WITH VENDOR. CONDUIT FROM STRUCTURE TO CART AS REQUIRED. CART MUST BE IN PLACE PRIOR TO CONDUIT INSTALLATION TO INSURE THE CONDUIT DOES NOT INTERFERE WITH PROPER EQUIPMENT OPERATION. REFER TO STRUCTURAL DRAWINGS FOR POWER SLIP CONDUIT LOCATION FROM THE ALIGNMENT PIT TO THE ALIGNMENT CONTROLLER.
- TOILET ROOM EXHAUST FAN, 120 VOLT, SINGLE PHASE. PROVIDE ALL ACCESSORIES AS REQUIRED TO CONTROL EXHAUST FAN FROM OCCUPANCY SENSORS IN BOTH RESTROOMS AS SHOWN. SWITCH ON MOTOR DESIGNATES MOTOR OVERLOAD DISCONNECT TOGGLE SWITCH TYPE.
- PROVIDE ELECTRICAL CONNECTION TO FACTORY MOUNTED DISCONNECT SWITCH AND WP/GFCI RECEPTACLE. SEE "RISER DIAGRAM" ON SHEET E5 FOR ADDITIONAL INFORMATION.
- PROVIDE POWER AND DATA FOR PODS AT THIS LOCATION. ROUTE POWER AND DATA DOWN POWER POLE AND EXTEND POWER AND DATA TO EACH POD AS REQUIRED. POWER WIRING BETWEEN PODS TO BE MC CABLE ROUTED THROUGH MILLWORK CONNECTING PODS. VERIFY EXACT REQUIREMENTS WITH MILLWORK VENDOR PRIOR TO ROUGH-IN.
- PROVIDE 20 AMPERE, 208 VOLT, SINGLE PHASE, 3 WIRE RECEPTACLE "NEMA" L6-20R AT 4'-0" AFF. FOR ELECTRONIC WHEEL BALANCER EQUIPMENT TAG 13B. MOUNT RECEPTACLE ON UNISTRUT LADDER AND RUN CONDUIT DOWN UNISTRUT LADDER FROM CEILING. VERIFY RECEPTACLE CONFIGURATION WITH PLUG PROVIDED WITH EQUIPMENT.
- PROVIDE 30 AMPERE, 2 POLE, NON-FUSED, LOCKABLE, WITH LOCK PROVIDED, DISCONNECT SWITCH, SIEMENS MODEL #MMSKG1, FOR ALIGNMENT LIFT EQUIPMENT CONTROL UNIT. UNLESS NOT ALLOWED BY AHJ, INSTALL DISCONNECT ON SIDE OF ALIGNMENT EQUIPMENT CONSOLE CABINET. PROVIDE ALL POWER AND SIGNAL WIRING AND CIRCUITING. CIRCUIT AS SHOWN. VERIFY ALL REQUIREMENTS WITH VENDOR. ROUTE CONDUIT FROM STRUCTURE TO DISCONNECT DOWN THE SIDE OF THE CABINET. CABINET MUST BE IN PLACE PRIOR TO CONDUIT DROP TO ENSURE CONDUIT ROUTING DOES NOT INTERFERE WITH PROPER EQUIPMENT OPERATION.
- PROVIDE 30 AMPERE, 2 POLE, NON-FUSED, LOCKABLE, WITH LOCK PROVIDED, DISCONNECT SWITCH, SIEMENS MODEL #MMSKG1, FOR ROTARY LIFT EQUIPMENT CONTROL UNIT. UNLESS NOT ALLOWED BY AHJ, INSTALL DISCONNECT BELOW DECAL ON LIFT POST. DO NOT USE "THROUGH BOLTS" AS THIS TYPE OF BOLT MAY INTERFERE WITH EQUIPMENT OPERATION. ANCHORS FOR DISCONNECT SHALL BE IN THE CENTER OF THE LIFT POST. PROVIDE ALL POWER, SIGNAL, AND LIFT SAFETY SWITCH WIRING AND CIRCUITING. CIRCUIT AS SHOWN. VERIFY ALL REQUIREMENTS WITH VENDOR. ROUTE CONDUIT FROM STRUCTURE TO DISCONNECT DOWN THE SIDE OF THE EQUIPMENT POST. LIFT EQUIPMENT MUST BE IN PLACE PRIOR TO CONDUIT DROP TO ENSURE CONDUIT ROUTING DOES NOT INTERFERE WITH PROPER EQUIPMENT OPERATION.
- PROVIDE CONDUIT WITH PULL WIRE FOR TELEPHONE SERVICE. VERIFY EXACT REQUIREMENTS WITH LOCAL PHONE COMPANY. REFER TO CIVIL PLANS FOR MORE INFORMATION. PROVIDE CONDUIT SEAL AT 18" AFF. COORDINATE ROUTING AND TERMINATION POINTS WITH SITE UTILITIES.
- PROVIDE DEVICES INDICATED IN "MVS DESK" AND WIRE TO POWER POLE AS SHOWN. VERIFY EXACT LOCATIONS OF ALL EQUIPMENT WITH OWNER PRIOR TO ROUGH-IN.
- RECEPTACLE CEILING MOUNTED, FOR SHOP FAN ITEM 42. CIRCUIT SHALL BE GFCI PROTECTED PER PANEL SCHEDULE. INSTALL UIUNE #1-4092 18" WORKSTATION FAN, 1/8 HP, 120 VOLT OSCILLATING FAN. SEE DETAILS SHEET E4 FOR ADDITIONAL INFORMATION. SEE KEYNOTE 31 THIS SHEET FOR CONTROL OF FAN. FOR FURNISHING OF EQUIPMENT SEE SHEET F1.
- TOXALERT CO SENSOR PANEL, 120 VOLT POWER CONNECTION.
- PROVIDE JUNCTION BOX FOR FIRE ALARM EQUIPMENT AND OPTIONAL SECURITY CONTROL PANEL. VERIFY EXACT ELECTRICAL CONNECTION OF EQUIPMENT IN FIELD AND PROVIDE RECEPTACLE AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- PROVIDE A L6-30R RECEPTACLE TO A SEPARATE 30 AMPERE, 208 VOLT, SINGLE PHASE CIRCUIT FOR ITEM 18B RIM CLAMP TIRE CHANGER #TCR1. MOUNT RECEPTACLE ON UNISTRUT LADDER AND RUN CONDUIT DOWN UNISTRUT LADDER FROM CEILING. RECEPTACLE SHALL BE FED WITH # 8 AWG WIRE.
- ALIGNMENT EQUIPMENT SENSOR RECEIVES POWER FROM ALIGNMENT CONSOLE CABINET. ROUTE ALL WIRING FROM CABINET TO SENSOR EQUIPMENT AS REQUIRED BY MANUFACTURER FOR A COMPLETE INSTALLATION.
- SEE FLOOR PLAN "A1" FOR ALL ELECTRICAL EQUIPMENT CLEARANCE BOTH HORIZONTALLY AND VERTICALLY IN THIS SPACE.
- PROVIDE RECEPTACLE FOR "NO LOSS DAYS" SIGN AT 11'-0" AFF. VERIFY EXACT LOCATION WITH CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.
- MOUNT RECEPTACLE ON UNISTRUT LADDER AND RUN CONDUIT DOWN UNISTRUT LADDER FROM CEILING.
- MOUNT JUNCTION BOX AT STRUCTURE AND EXTEND DOWN TO 6'-0" AFF WITH "SO" EXTENSION CORD FOR TEMPORARY POWER FOR SMALL HAND TOOL BATTERY RECHARGING.
- SWITCH ON MOTOR DESIGNATES MOTOR OVERLOAD DISCONNECT TOGGLE SWITCH TYPE.
- THIS RECEPTACLE ONLY TO BE MOUNTED AT 64" AFF.
- INTERLOCK "L-2" AND "L-3" WITH TOXALERT AND CO SENSOR AND "EF-3" SUCH THAT WHEN "EF-3" IS IN RUN MODE, "L-2" AND "L-3" ARE OPEN.
- INTERLOCK "L-1" AND "EF-1" SUCH THAT WHEN "EF-1" IS IN RUN MODE, "L-1" IS OPEN. SWITCH ON MOTOR DESIGNATES MOTOR OVERLOAD DISCONNECT TOGGLE SWITCH TYPE. EXHAUST FAN SHALL BE CONTROLLED BY OCCUPANCY SENSORS IN SPACE. PROVIDE ALL ACCESSORIES AS REQUIRED.
- ROUTE AND CONCEAL ALL CORDS FOR POWER STRIPS IN NEAT AND CLEAN MANNER. CONCEAL ALL CORDS AS MUCH AS POSSIBLE.
- PROVIDE WALL SWITCHES FOR THE CONTROL OF SHOP FANS ITEM 42. LABEL ALL SWITCHES TO CORRESPOND WITH THE CONTROLLED FAN. REFERENCE KEYNOTE 17 FOR ADDITIONAL INFORMATION.
- PROVIDE 2" RIGID METAL CONDUIT FROM 6" ABOVE IT CABINET TO TELEPHONE EQUIPMENT.
- PROVIDE 1/2" DIA. PVC CONDUIT THRU WALL AS SHOWN. MOUNT CONDUIT AT SAME HEIGHT AS BOTTOM OF JOIST, AND AS CLOSE AS POSSIBLE TO STRUCTURE. PROVIDE GROMMET ON BOTH ENDS OF PVC. RE. ARCHITECTURAL SHEETS FOR ADDITIONAL INFORMATION.
- MOUNT RECEPTACLE INSIDE SERVER CABINET AT 76" AFF AND CIRCUIT AS SHOWN. MOUNT RECEPTACLE AND CONDUIT AFTER SERVER CABINET INSTALLATION. REFER TO SHEET A7 FOR ADDITIONAL INFORMATION.
- CONDUIT ASSOCIATED WITH DATA BOX SHALL BE EXTENDED TO SERVER CABINET. PROVIDE PULL STRINGS IN CONDUIT.
- CONNECT IRRIGATION CONTROLLER TO THIS OUTLET.
- PROVIDE POWER TO FACTORY MOUNTED DISCONNECT SWITCH. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
- PROVIDE JUNCTION BOX FOR TOXALERT SENSOR. INSTALL SENSOR AND PROVIDE WIRING BETWEEN TOXALERT PANEL AND SENSOR. COORDINATE LOCATIONS WITH MECHANICAL CONTRACTOR.
- CONDUIT ASSOCIATED WITH DATA BOX SHALL BE EXTENDED TO SERVER CABINET. PROVIDE PULL STRINGS IN CONDUIT. REFER TO DETAIL ON SHEET E4 FOR INFORMATION ON MOUNTING LOCATION OF DATA BOX AND POWER BEHIND DEVICES IN THIS AREA.
- PROVIDE POWER FOR FIRE SHUTTER. CIRCUIT AS SHOWN.

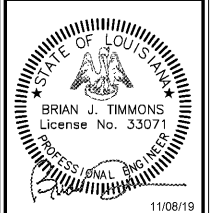


1 POWER PLAN
E2 SCALE: 1/8" = 1'-0"

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NEW FCAC STORE
2019 - JANUARY - SMALL I
233 S AIRLINE HWY
GONZALES, LA



BID SET
11.18.19
TRCI

ISSUE BLOCK	11/11/19	CB #1
PROPERTY NO.:	160013	
6 DIGIT NO.:	902556	
4 DIGIT NO.:	014W	
AOR PROJECT NUMBER:	1955827	
TO PERMIT:	DATE: 7-30-2019	
TO BID:	DATE: ##-##-##	

SHEET TITLE:
POWER PLAN
SHEET NUMBER:
E2