

GENERAL ELECTRICAL NOTES

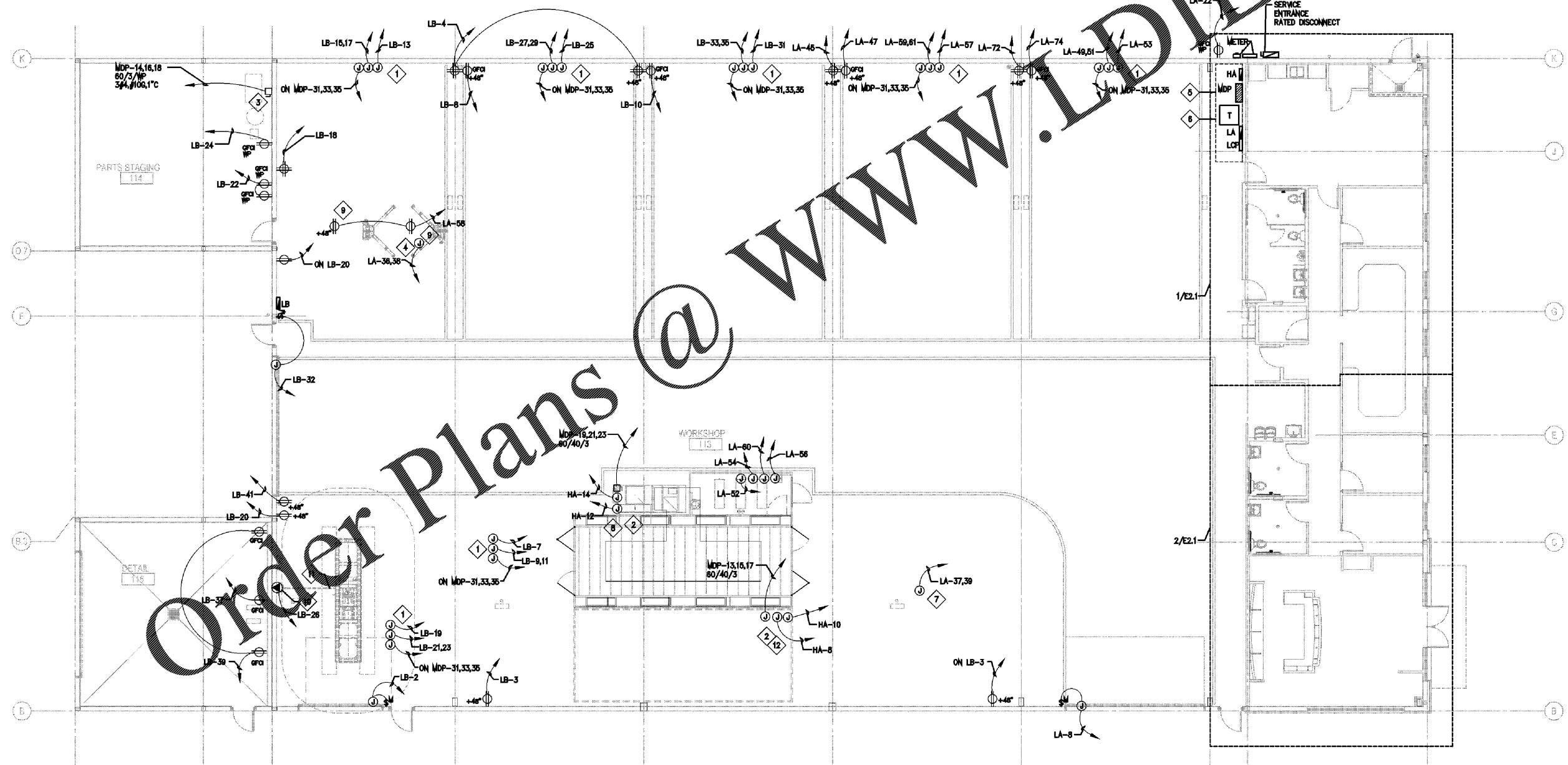
- ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS: BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, AND WITHIN 6 FEET OF SINKS SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL PER NEC 210.8(B). GFCI PROTECTION SHALL BE IN ACCESSIBLE LOCATION, NOT BEHIND EQUIPMENT, EITHER AT RECEPTACLE, AT CIRCUIT BREAKER OR WITH SELF TEST BLANK FACE GFCI OUTLET. ALL 120V RECEPTACLES LOCATED IN THE GARAGE AREA SHALL BE GFCI RECEPTACLES.
- PROVIDE ALL FIRE ALARM DEVICES REQUIRED BY NFPA 72 & AHJ WHETHER SHOWN ON PLAN OR NOT. COORDINATE WITH THE LOCAL FIRE MARSHALL TO PROVIDE A COMPLETE WORKING SYSTEM. PRIOR TO ROUGH-IN, VERIFY MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS WITH OWNER AND ARCHITECTURAL DETAILS.
- HEIGHT OF ALL SWITCHES, PULLS, AND CONTROLS SHALL BE ACCESSIBLE PER A.D.A., MAXIMUM 48" AFF.
- CORD DROPS THROUGH SERVICE BAY AREA SHALL BE AT 7'-0" A.F.F., PROVIDE STRAIN RELIEF AND SUPPORT FOR ALL CORD DROPS.
- ALL RECEPTACLES TO BE MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED. COORDINATE EXACT HEIGHTS AND LOCATIONS WITH ARCHITECT AND REFER TO ARCHITECTURAL DRAWINGS FOR ALL DEVICE ELEVATIONS, CASEWORK, SHOP DRAWINGS, AND EQUIPMENT INSTALLATION. REFER TO EQUIPMENT INSTALLATION DRAWINGS IF PROVIDED. COORDINATE ALL "ABOVE COUNTER" RECEPTACLE LOCATIONS.
- CABLE COLLISION SHALL COMPLY WITH THE INTERNATIONAL FIRE CODE GROUNDING REQUIREMENTS. ANY AND ALL STATIC-PRODUCING EQUIPMENT LOCATED IN FLAMMABLE GAS STORAGE OR USED AREAS, SHALL BE GROUNDED.

- DEVICES LOCATED IN THE AUTOMOTIVE AREAS SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE IN ACCORDANCE WITH NEC REQUIREMENTS. ANY ELECTRICAL DEVICE OR APPLIANCE LOCATED BETWEEN 0" TO 24" A.F.F. IN THE AUTOMOTIVE AREA SHALL MEET NEC INSTALLATION REQUIREMENTS FOR CLASS 1, DIVISION 2 HAZARDOUS LOCATIONS.
- RECEPTACLES LABELED WITH "WP" SHALL BE WEATHER-RESISTANT AND PROVIDED WITH A WEATHER PROOF "WHILE-IN-USE" COVER.
- ALL CONNECTIONS/DEVICES SHOWN ARE FOR SPECIFIED EQUIPMENT. EQUIPMENT IS SUBMITTED AND APPROVED FROM DIFFERENT MANUFACTURER AND HAVE DIFFERENT REQUIREMENTS. COORDINATE ALL ELECTRICAL REQUIREMENTS FOR EACH PIECE OF EQUIPMENT PROVIDED AND REVISE TELEPHONE/DATA CONNECTIONS AS REQUIRED TO MATCH MANUFACTURERS RECOMMENDATION AND SPECIFICATION. ALL ADDITIONAL COST ITEMS FOR UPGRADING THE TELEPHONE/DATA COMPONENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PROVIDING SUBMITTED EQUIPMENT.
- ALL ELECTRICAL DEVICES TO BE A MINIMUM OF 42" AWAY FROM PAINT BOOTH DOORS. REFER TO GARMENT SPECIFICATIONS FOR EXACT LOCATIONS OF AREAS TO REMAIN FREE OF SPARKING DEVICES.
- COORDINATION IS REQUIRED WITH TRADES FOR THE PROVISION AND INSTALLATION OF EQUIPMENT DISCONNECTS.
- ALL EXPOSED CONDUIT IN SERVICE BAY AREA SHALL BE ROUTED TO CREATE 90 DEGREE ANGLES. CONTRACTOR SHALL ROUTE ALL SERVICE BAY HOME RUNS AT STRUCTURE ABOVE THE STRIPED PAINTED WALKWAY.
- FIRE PROTECTION VENDORS MUST USE A NON-PROPRIETARY FIRE ALARM PANEL ("HONEYWELL" OR "FIRELITE" OR "SILENT KNIGHT") TO ALLOW REPRESENTATIVE/S "PROTECTION ONE" TO INTERFACE IN MONITORING BOTH THE FIRE ALARM PANEL AND SECURITY. IT IS THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR TO SECURITY. IT IS THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR TO COORDINATE FIRE ALARM PANEL SELECTION WITH "PROTECTION ONE".

- VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING CONTRACTORS PRIOR TO INSTALLATION. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED TO OWNER PROVIDED EQUIPMENT. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
- NO CONDUITS ROUTED THROUGH SHOP FLOOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL ROUTE CONDUITS OR WIRING TO THE LOCATION OF THE BOOTHS, BUT NOT INSTALL/LAND FEEDERS FOR THE BOOTHS UNTIL AFTER THE INSTALLATION OF ALL BOOTHS IS COMPLETE. CONTRACTOR SHALL COORDINATE SCHEDULE AND EXACT LOCATION OF POWER WITH BOOTH REPRESENTATIVE PRIOR TO INSTALLATION.
- NO CUTTING PIPE OR STORAGE IN PAINT BOOTH.
- UPSIZED INVERTER WELDER WIRE SIZE AS REQUIRED TO LIMIT VOLTAGE DROP TO 3% FOR RUNS UP TO 150 FEET, PROVIDE #6 AWG. FOR RUNS LARGER THAN 150 FEET, PROVIDE #4 AWG.
- MOUNT ELECTRICAL PANELS AT A MINIMUM ELEVATION OF 18" AFF.

ELECTRICAL NOTES BY SYMBOL "◇"

- (3) DUAL GANG JUNCTION BOXES MOUNTED A MINIMUM OF 18" BELOW STRUCTURE FOR SO CORD. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION. PROVIDE (1) 120V/1P/20A GENERAL GFI L5-20R LOCKING RECEPTACLE, (1) 208V/2P/50A LOCKING RECEPTACLE, AND (1) 480/3P/140A MINIMUM LOCKING 4-WIRE STRAIGHT BLADE RECEPTACLE WITH SO DROP DOWN CORD REELS. COORDINATE LOCATION AND MOUNTING WITH OWNER PRIOR TO INSTALLATION.
- ALL CONDUITS AND WIRING FOR BOOTH NOT TO BE INSTALLED TO FINAL LOCATIONS UNTIL INSTALLATION OF BOOTH. COORDINATE SCHEDULE AND EXACT LOCATION OF POWER INSTALLATION WITH BOOTH REPRESENTATIVE.
- PROVIDE 60/3P/3R DISCONNECT SWITCH FOR COMPRESSOR.
- CONNECTION FOR THIN-POST RACK. PROVIDE 44-11/16"x-18" JUNCTION BOX FOR POWER CONNECTION. CALIBER EQUIPMENT SUPPLIER TO MAKE FINAL CONNECTION. COORDINATE EXACT ROUGH-IN LOCATION WITH EQUIPMENT SUPPLIER, ARCHITECT AND OWNER.
- WORKING CLEARANCE OF ELECTRICAL PANELS.
- PROVIDE PERMANENT SIGN TO BE POSTED IN THIS AREA WITH "1" LETTERING. "NO STORAGE IS PERMITTED IN THIS AREA - ELECTRICAL PANEL DESIGNATED WORK CLEARANCE."
- PROVIDE JUNCTION BOX MOUNTED AT BOTTOM OF STRUCTURE FOR HEAT LAMP AND ASSOCIATED SWITCH SHALL BE LOCATED IN OVERRIDE SWITCH BANK LOCATION. COORDINATE EXACT REQUIREMENTS AND ROUGH-IN LOCATION WITH OWNER.
- THE WIRING METHODS FOR THE SPRAY BOOTHS SHALL BE CLASS 1, DIVISION 2 PER 2017 NEC ARTICLE 516.9(D)(4).
- PROVIDE RECEPTACLE FOR THIN POST LIFT.
- PROVIDE RECEPTACLE THAT IS COMPATIBLE WITH NEMA L5-30P TWIST-LOCK TYPE PLUG FOR LIFT CONTROL UNIT.
- REFER TO 4/A4.0 FOR UNDER FLOOR CONDUIT FOR VENDOR'S HYDRAULIC LINES.
- ALL CONDUITS AND WIRING FOR FUTURE BOOTH TO BE LABELED AND TERMINATED IN JUNCTION BOXES MOUNTED AT BOTTOM OF STRUCTURE ABOVE FUTURE BOOTH LOCATION. CIRCUIT BREAKER SHALL BE SET IN LOCKED OFF POSITION.



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

BID SET 10/28/2020

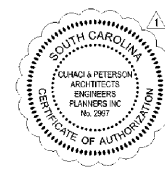
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CLIENT NAME
Cross Development
4336 Marsh Ridge
Carrollton, TX 75010

PROJECT NAME
Caliber Collision Five Forks (161)
1215 East Buller Rd.
Greenville, SC 29607

SHEET TITLE
Electrical Power Plan



RELEASE	PERMIT COMMENT RESPONSE 05/23/20
PROJECT NO.	230067
DATE	07/06/2020
DRAWN	WD
CHECKED	2

E2.0