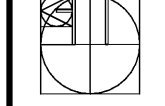




REVISION DATE

ELLSWORTH ARCHITECTS
3136 LANIER DRIVE
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PRO BUILDING SYSTEMS
DESIGN BUILD CONTRACTORS

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GINN CHRYSLER - DODGE - RAM AND JEEP
I-20 ACCESS ROAD
COVINGTON GEORGIA 30040

DATE: 11.06.2018
SCALE: AS SHOWN
BY: GD
JOB ID:

POWER PLAN
DRAWING TITLE

E3.1

SHEET 7 OF 14

KEY NOTES

- PROVIDE RUBBER CORD DROP WITH STRAIN RELIEF GRIPS FOR RECEPTACLE, COORDINATE EXACT LOCATION AND LENGTH PRIOR TO ROUGH IN.
- RECEPTACLE(S) AND COMMUNICATION OUTLET LOCATED ABOVE WORK BENCH, COORDINATE EXACT LOCATION WITH EQUIPMENT VENDOR, TYPICAL.
- PROVIDE ELECTRICAL CONNECTION TO VEHICLE LIFT, TYPICAL. PROVIDE PLUG AND CORD CONNECTION TO LIFT MANUFACTURER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT VENDOR.
- PROVIDE ELECTRICAL CONNECTION TO ALIGNMENT LIFT/RACK, COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT VENDOR.
- PROVIDE UNDERGROUND CONDUIT FOR REGIONAL TRACK POWER /CONTROLS, COORDINATE EXACT SIZE REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO ROUGH IN.
- PROVIDE ELECTRICAL AND DATA CONNECTION TO FURNITURE PANEL WITH CONDUIT STUB UP THROUGH SLAB. REFER TO ARCHITECTURAL DRAWING FOR DIMENSIONS. PROVIDE 1" DATA CONDUIT WITH CABLING, COORDINATE FINAL LOCATION WITH FURNITURE PRIOR TO ROUGH IN.
- RECEPTACLE AND COMMUNICATION DEVICE WITH 1" CONDUIT SLEEVE THROUGH FLOOR MONITOR, COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SHOP EQUIPMENT VENDOR PRIOR TO ROUGH IN.
- PROVIDE ELECTRICAL CONNECTION TO OVERHEAD DOOR OPERATOR, COORDINATE EXACT REQUIREMENTS WITH DOOR MANUFACTURER AND INSTALLER AND CONNECT FOR OPERATION.
- OVERHEAD DOOR OPERATOR SWITCHES, TYPICAL. COORDINATE EXACT LOCATION(S) WITH OWNER PRIOR TO ROUGH-IN AND CONNECT TO OVERHEAD DOOR CONTROL.
- PROVIDE DISCONNECT FOR TAIL-PIPE EXHAUST EXTRACTION BLOWER. LOCATE DISCONNECT ADJACENT TO FAN AND EXTEND BRANCH WIRING THRU MOTOR STARTER (10A) FOR OPERATION.
- PROVIDE MOTOR STARTER IN A NEMA ONE ENCLOSURE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO ROUGH IN AND CONNECT FOR OPERATION. PROVIDE DE-DUCT FOR MOTOR STARTER WHEN SUPPLIED BY EQUIPMENT VENDOR.
- PROVIDE REMOTE START/STOP SWITCH AT THIS LOCATION OR AS DIRECTED BY EQUIPMENT VENDOR. PROVIDE WIRING TO MOTOR STARTER AS NEEDED AND CONNECT FOR OPERATION.
- PROVIDE FUSES ACCORDING TO MANUFACTURE'S RECOMMENDATION.
- DISCONNECTING MEANS MOUNTED ADJACENT TO ELECTRIC WATER COOLER CHILLER, COORDINATE LOCATION WITH PLUMBING DRAWINGS.
- RECEPTACLE AND COMMUNICATION FOR WIRELESS SYSTEM (WAP), COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO ROUGH IN.
- PROVIDE WIREWAY FOR BRANCH WIRING TO COMPRESSOR DISCONNECT SWITCHES AS REQUIRED, EXTEND WIRING TO COMPRESSORS AND CONNECT FOR OPERATION.
- COORDINATE EXACT LOCATION OF DEVICES WITH SPRINKLER CONTRACTOR AND/OR FIRE MARSHAL PRIOR TO ROUGH IN.

AREA CLASSIFICATION

CLASSIFIED LOCATIONS
THE SERVICE AREA SHALL BE CONSIDERED A CLASSIFIED LOCATION. THE ENTIRE AREA UP TO A LEVEL OF 450 mm (18 INCHES) ABOVE THE FLOOR SHALL BE CONSIDERED TO BE A CLASS 1, DIVISION 2 LOCATION. (NEC 511.3)

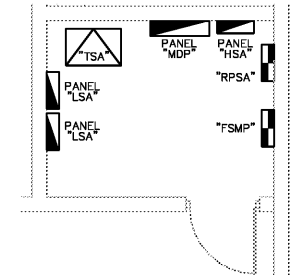
WIRING AND EQUIPMENT IN CLASS 1 LOCATIONS
ALL WIRING AND EQUIPMENT LOCATED IN CLASS 1 LOCATIONS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF ARTICLE 501 AND 511.4 OF THE NATIONAL ELECTRICAL CODE.

INSTALL ALL ELECTRICAL DEVICES IN SERVICE AREA AT +30", BOTTOM OF DEVICE BOX, UNLESS NOTED OTHERWISE. PROVIDE FLOOR MOUNTED EQUIPMENT STAND FOR TRANSFORMERS LOCATED IN THE SERVICE AREA.

GROUND FAULT PROTECTION FOR PERSONAL
ALL 125 VOLT, SINGLE PHASE, 15 AND 20 AMPERE RECEPTACLES SHALL HAVE GROUND FAULT PROTECTION PER NEC ARTICLE 511.12. PROVIDE GFI PROTECTION AT CIRCUIT BREAKERS FOR NON-REACHABLE RECEPTACLES WITHIN SERVICE AREA.

GENERAL NOTE

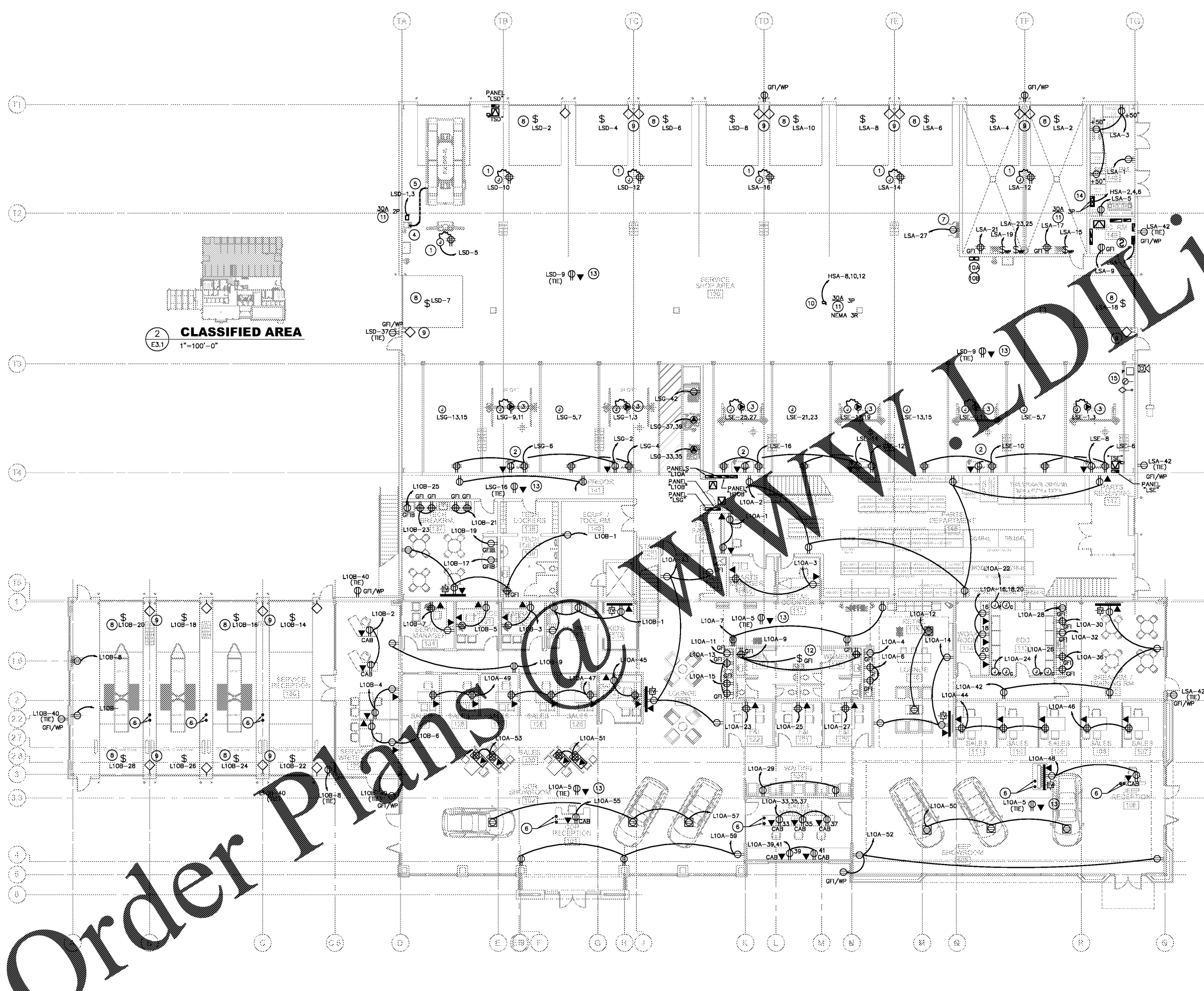
- CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF FLOOR BOXES AND CONDUIT STUB-UPS PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DOCUMENTS AND SITE SPECIFIC FURNITURE INFORMATION.
- VISIBLE EXPOSED CONDUIT AND / OR SURFACE MOUNTED ELECTRICAL BOXES AT CONDUIT STUB-UP LOCATIONS SHALL NOT BE ACCEPTABLE. ENSURE STUB-UPS ARE EITHER BELOW REMOVABLE ACCESSIBLE FURNITURE PANELS OR CONCEALED FROM VIEW ADJACENT TO FURNITURE. PANELS MINIMUM 18" FROM OPEN SIDE OF FURNITURE.
- RECESSED FLOOR BOXES SHALL BE LOCATED BENEATH FURNITURE FROM WHICH ELECTRICAL DEVICES WITH CORD AND PLUGS WILL CONNECT. BOXES SHALL NOT BE LOCATED IN SPACE BELOW FURNITURE DEDICATED FOR CHAIRS AND SHOES. WHERE BOXES MUST BE LOCATED ADJACENT TO FURNITURE, INSURE THAT EXPOSED CORDS DO NOT EXCEED 8" FROM EXPOSED PLUGS TO FURNITURE.



ELECTRICAL ROOM

E3.1 1/4"=1'-0"

PROMUS
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CLASSIFIED AREA
E3.1 1"=100'-0"

FIRST FLOOR POWER PLAN

E3.1 3/32"=1'-0"

Order Plans