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E-202 DRAWING KEYNOTES

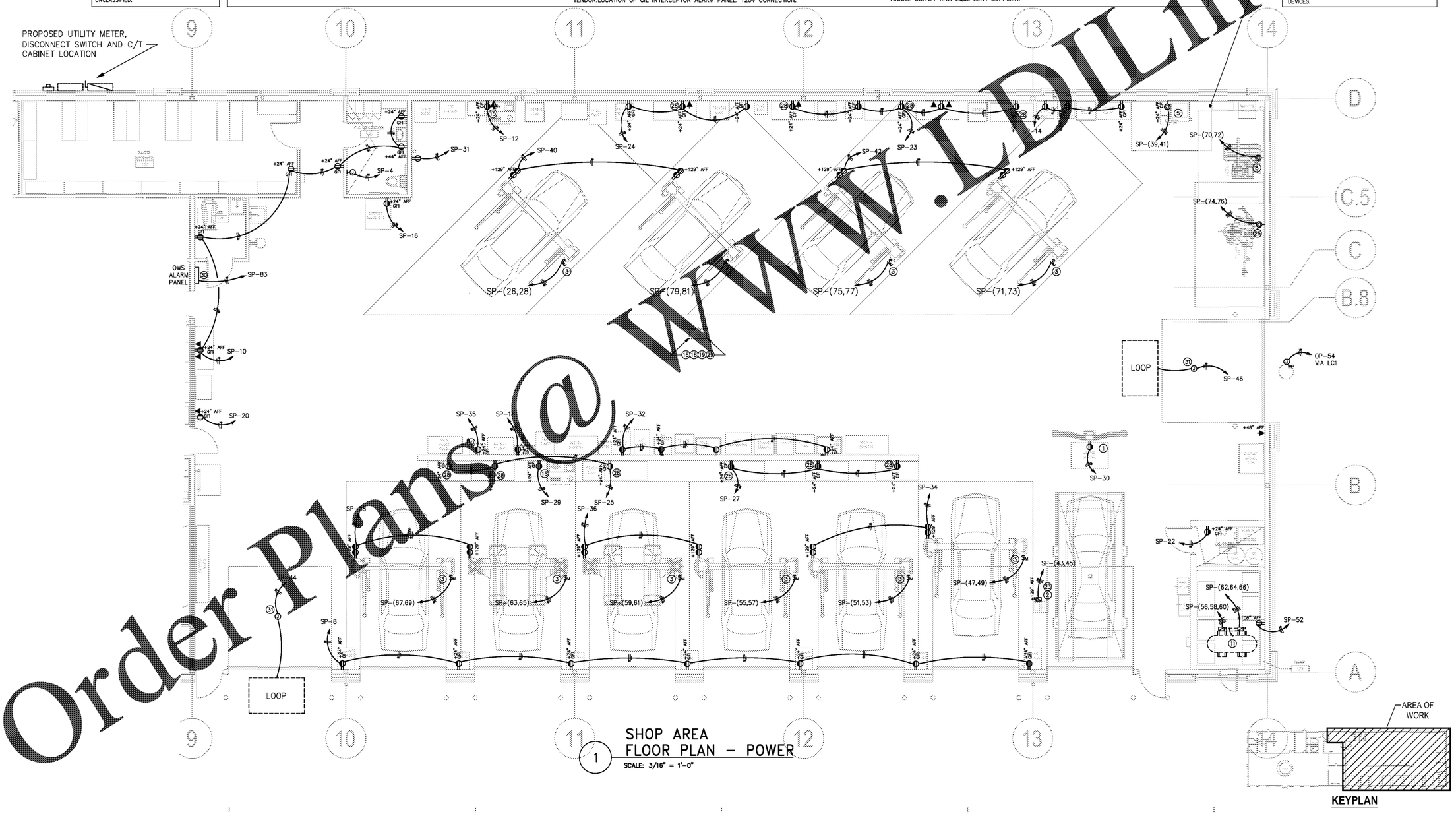
1. ALIGNMENT MACHINE – 120V, 1ø DEDICATED 20 AMP RECEPTACLE.
2. CONNECT ALIGNMENT LIFT, 208 VOLTS, 1ø, 26 AMPS. PROVIDE 60 AMP, 2-POLE SAFETY SWITCH AT CONNECTION POINT. CONNECT ALL LIMIT SWITCHES AND CONTROLS REQUIRING FIELD WIRING.
3. CONNECT VEHICLE LIFT, 208 VOLTS, 1ø, 30 AMPS. PROVIDE 30 AMP, 2-POLE MOTOR STARTER SWITCH AT CONNECTION. PROVIDE A MASTER LOCK #496B UNIVERSAL WALL SWITCH SWITCH LOCKOUT COVER. CONNECT ALL LIMIT SWITCHES AND CONTROLS REQUIRING FIELD WIRING.
4. SCOPE WITH ACCESSORIES – 120V, 1ø DEDICATED 20 AMP RECEPTACLE.
5. BRAKE LATHE – 208V, 1ø DEDICATED 20 AMP RECEPTACLE.
6. PARTS CLEANER – 120V, 1ø DEDICATED 20 AMP RECEPTACLE.
7. SHOP FLOOR CLEANER – 120V, 1ø DEDICATED 20 AMP RECEPTACLE.
8. TIRE BALANCER – 208V, 1ø DEDICATED 20 AMP RECEPTACLE. COORDINATE RECEPTACLE NEMA CONFIGURATION PRIOR TO ROUGH IN.
9. DEDICATED ISOLATED EQUIPMENT GROUND DUPLEX RECEPTACLE FOR SOUND MASKING SYSTEM.
10. WELDING EQUIPMENT – 120V, 1ø DEDICATED 30 AMP RECEPTACLE. COORDINATE RECEPTACLE NEMA CONFIGURATION PRIOR TO ROUGH IN.
11. DUPLEX AIR COMPRESSOR – TWO(2) 5 HP MOTORS, 208V 3ø.
12. SHOP LIGHT-TO BE RUN DOWN AND MOUNTED ON LIFT POST AT 38" AFF.
13. SHOP VAC – 120V, 1ø DEDICATED 20 AMP RECEPTACLE.
14. BATTERY CHARGER – 120V, 1ø DEDICATED 20 AMP RECEPTACLE.
15. INSPECTION MACHINE – 120V, 1ø DEDICATED 20 AMP RECEPTACLE.
16. ALL ELECTRICAL DEVICES AND WIRING SHALL BE INSTALLED GREATER THAN 24" AFF. ALL ELECTRICAL EQUIPMENT WITHIN 24" OF FLOOR ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF NEC 500 AND 511 FOR CLASS 1, DIVISION 2 AREAS..
17. GFCI CONVENIENCE RECEPTACLE AT 38" AFF TO BE MOUNTED TO LIFT POST.
18. MOUNT ALL LIGHTS, CONDUIT AND EQUIPMENT CONNECTIONS AS HIGH AS POSSIBLE AND AT LEAST ABOVE THE BOTTOM CHORD OF THE JOISTS.
19. THIS AREA IS CLASSIFIED AS A CLASS I, DIVISION 2 LOCATION PER NEC ARTICLE 500. THIS AREA EXTENDS TO 18"AFF.
20. WALL-MOUNTED DATA RACK (G.C.-PROVIDED). COORDINATE WITH OWNER SPECS AND PROVIDE 60" MIN. CLEARANCE IN FRONT OF RACK.
21. TORQUE WRENCH CABINET – 120V, 1ø DEDICATED 20 AMP RECEPTACLE. TIME CLOCK.
22. COORDINATE EXACT REQUIREMENTS OF SHOP EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
23. LIFT LIMIT SWITCHES TO BE PROVIDED BY OWNER'S VENDOR & CONTRACTOR INSTALLED. VERIFY DISCONNECT SWITCH MOUNTING LOCATION IN FIELD WITH VENDOR DOCUMENTATION.
24. PROVIDE LOCAL OR INTEGRAL DISCONNECT SWITCH PER NEC 600. COORDINATE WITH THE SIGN VENDOR.LOCATION OF OIL INTERCEPTOR ALARM PANEL. 120V CONNECTION.
25. TIRE CHANGER – 208V, 1ø DEDICATED 20 AMP RECEPTACLE. COORDINATE RECEPTACLE NEMA CONFIGURATION PRIOR TO ROUGH IN.
26. PROVIDE A DATA CONNECTION AT 4'-0" A.F.F. FOR EACH WALL MOUNTED THERMOSTAT. DATA WIRING AT THERMOSTAT LOCATIONS SHALL BE PROVIDED IN COORDINATION WITH THE LOW VOLTAGE HVAC CONTROL WIRING AND SHALL NOT BE TERMINATED AT A JUNCTION BOX. THE CAT5E CABLE SHALL BE FED THROUGH THE WALL WITH THE LOW VOLTAGE CONTROL WIRING AND TERMINATED FOR DIRECT CONNECTION TO THE THERMOSTATS. (TYPICAL FOR ALL THERMOSTAT LOCATIONS, SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS)
27. CONTRACTOR TO PROVIDE 2" EMT FROM ABOVE CEILING IN DEMISING WALL SEPARATING SERVICE SHOP FROM RETAIL/OFFICE AREA. CONDUIT TO RUN DOWN THE CENTER OF SERVICE SHOP FROM FRONT TO BACK AND INCLUDE DOUBLE GANG JUNCTION/PULL BOXES SPACES EVERY +/- 20'-0". CONDUIT TO BE KEPT TIGHT TO STRUCTURE AND PER THE REQUIREMENTS FOR CLASS 1 DIV 2 SPACES PER NEC 500. CONTRACTOR SHALL SCHEDULE ONSITE MEETING WITH SECURITY VENDOR PRIOR TO ROUGH IN AND INSTALL OF CONDUIT TO VERIFY AND COORDINATE EXACT CONDUIT ROUTING & JUNCTION BOX LOCATIONS.
28. TOOL BOX – 120V 1ø 20 AMP RECEPTACLE.
29. ALL RECEPTACLES IN THE CARE CARE AREA SHALL BE 20A RATED GFCI RECEPTACLES, U.O.N., AND SHALL BE PROVIDED AS ONE OF THE FOLLOWING OPTIONS.
    1. LEVITON SMART LOCK GFCI. CATALOG # 8599, 20A – 125V AC
    2. COOPER WIRING DEVICES SHOCK SENTRY GFCI, 20A 125V AC
    3. PASS & SEYMOUR LEGRAND PREMIUM GFCI SAFETY OUTLET, 20A 125V AC.
30. LOCATION OF OIL INTERCEPTOR ALARM PANEL. 120V CONNECTION.
31. CONNECTION FOR OVERHEAD DOOR. SEE DETAIL #2/E-301. COORDINATE LOCATION OF UP/DOWN TOGGLE SWITCH WITH EQUIPMENT SUPPLIER.

HAZARDOUS LOCATION NOTE:
PER NEC 511.2
THE AAA SPACE IS A MINOR REPAIR GARAGE. PER NEC 511.3 (D)(2) CEILINGS AREAS WHERE LIGHTER-THAN-AIR FUELS (SUCH AS NATURAL GAS OR HYDROGEN) WILL NOT BE TRANSFERRED, SUCH LOCATIONS SHALL BE UNCLASSIFIED.

DATA AND SECURITY DEVICE NOTES

PROVIDE JUNCTION BOXES FOR ALL WIRELESS ACCESS POINTS. COORDINATE WITH THE OWNER PRIOR TO ROUGH-IN.

CAT 6 TO PROVIDE ¾"C FROM DATA OUTLETS AND SECURITY DEVICES IN THE SHOP AREA TO ABOVE THE ACCESSIBLE CEILING IN THE RETAIL AREA. REFERENCE OWNER/VENDOR SECURITY PLANS FOR LOCATION OF DEVICES.



1 SHOP AREA FLOOR PLAN – POWER
SCALE: 3/16" = 1'-0"

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SHOP AREA FLOOR PLAN - POWER

E-202