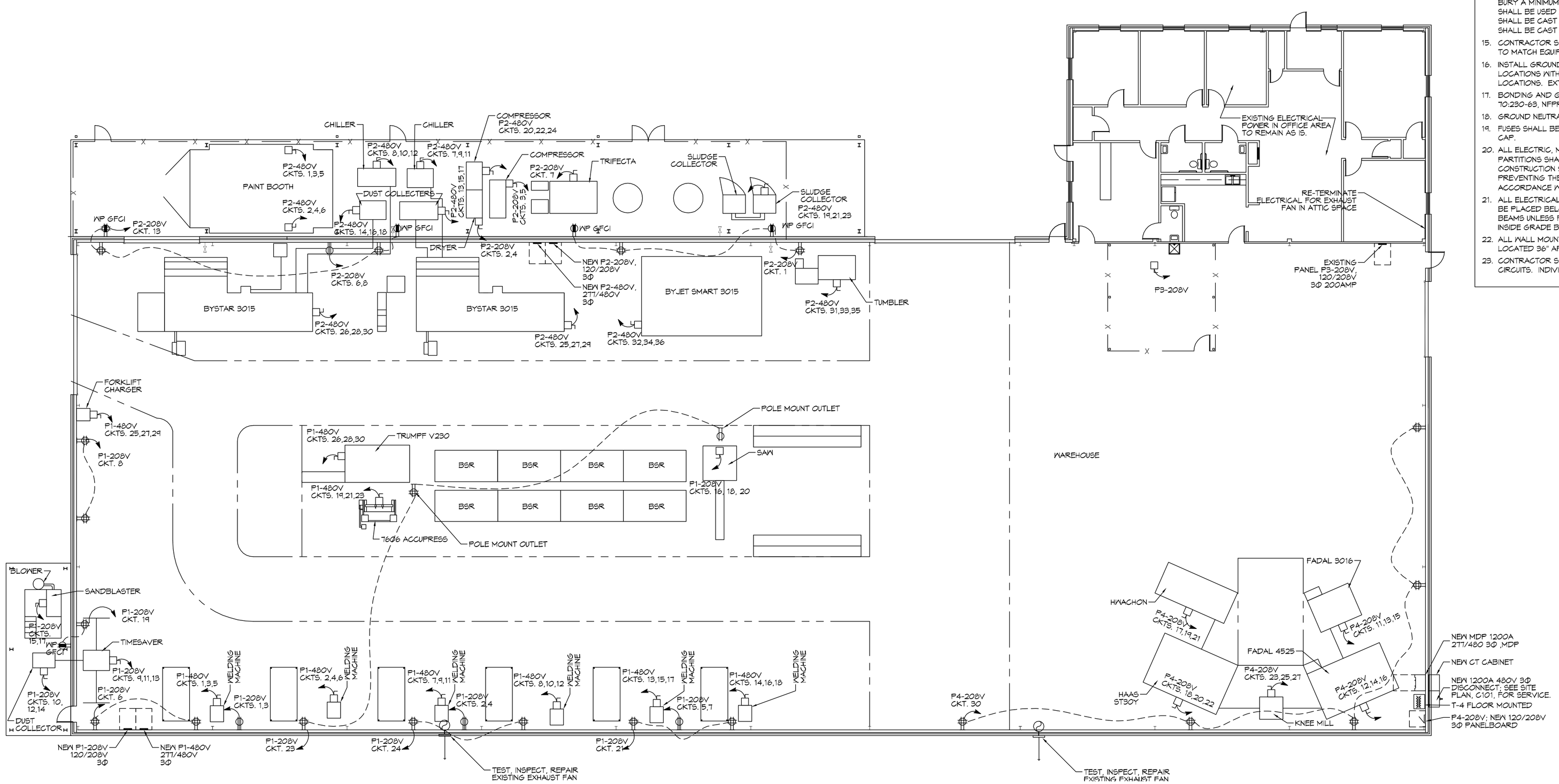
FILE NAME: J:\x_ROOTFOLDERS\2015\2295 - Alliance Laser\Drawings\Current Drawings\E101-Electrical Power Plan.dwg BLDT DATE & TIME: Wednesday, February 22, 2017 3:27:44 PM

POWER LEGEND

SYMBOL	
	STANDARD 120V DUPLEX RECEPTACLE, 36" AFF (UNLESS OTHERWISE NOTED)
	GFCI DUPLEX RECEPTACLE
WP	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
	220V DEDICATED RECEPTACLE
	STANDARD QUAD RECEPTACLE - WALL-MOUNTED
WP	WEATHER-PROOF GFCI QUAD RECEPTACLE MOUNTED AT 30" AFF
J	JUNCTION BOX
	POWER DISCONNECT
WH	EXISTING WATER HEATER

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE UL LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND W/ OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION W/ THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE W/ CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC AS SHOWN IN THE ARCH DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCH WORK AS SHOWN ON THE PLANS AND DETAILS.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION W/ THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
10. ALL TESTS SHALL BE MADE IN ACCORDANCE W/ THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRIC CODE.
11. ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG UNLESS NOTED OTHERWISE. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
12. ALL CONDUCTORS SHALL BE COPPER.
13. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
14. MINIMUM SIZE CONDUIT SHALL BE ¾" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, ¾" RIGID ALUMINUM FOR EXTERIOR USE ABOVE GRADE. MINIMUM 1" SCHEDULE 40 PVC FOR CONDUITS BELOW GRADE, BURY A MINIMUM OF 18" FOR NON-VEHICLUAR TRAFFIC AREAS. EMT SHALL BE USED WITH METAL STUD CONSTRUCTION. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
15. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
16. INSTALL GROUND FAULT RECEPTACLES (GFCI) AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
17. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPR 250-23, 250-71, & 250-72.
18. GROUND NEUTRAL IN ACCORDANCE W/ NFPA 70:250-23b.
19. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTER-RUPTING CAP.
20. ALL ELECTRIC, MECHANICAL, AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED W/ A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814).
21. ALL ELECTRICAL, MECHANICAL AND PLUMBING PIPES BELOW SLAB SHALL BE PLACED BELOW GRADE BEAMS AND SHALL NOT PENETRATE GRADE BEAMS UNLESS FIXTURE PLACEMENT DICTATES PLACEMENT OF PIPING INSIDE GRADE BEAM.
22. ALL WALL MOUNTED OR POLE MOUNTED ELECTRIC OUTLETS SHALL BE LOCATED 36" AFF IN THE WAREHOUSE UNLESS OTHERWISE NOTED.
23. CONTRACTOR SHALL NOT SHARE NEUTRALS BETWEEN DIFFERENT CIRCUITS. INDIVIDUAL NEUTRALS SHALL BE RUN FOR EACH CIRCUIT.



1 ELECTRICAL PLAN
SCALE: 3/32" = 1'-0"

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	REVISIONS	

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PROFESSIONAL ENGINEER

RENOVATIONS AND ADDITIONS FOR
ALLIANCE LASER
6020T CAMP VILLERE ROAD
SLIDELL, LA 70460

JOB No:	2295	DATE:	01-17-17
DRAWN BY:	JTL	CHECKED BY:	CKD

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SHEET TITLE:
ELECTRICAL POWER PLAN

DRAWING NUMBER:
E101

SHEET No: 9 of 11