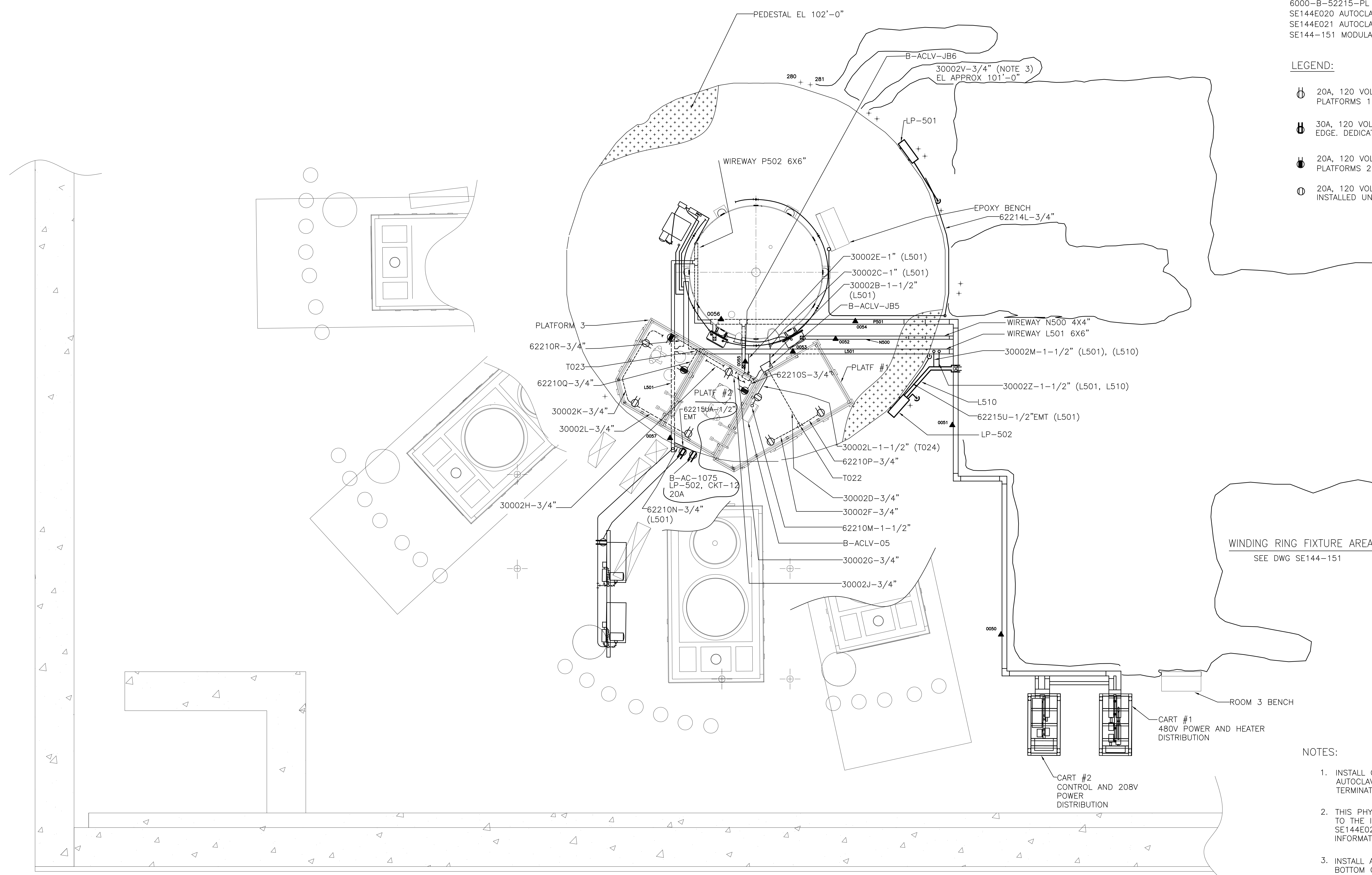


REFERENCE DRAWINGS:

- SB144E001 AUTOCLAVE 300W TUNGSTUN HALOGEN LIGHTING
- SD144E015 AUTOCLAVE METER #1 CWD
- SD144E017 AUTOCLAVE AIR CIRC MANUAL CONTROLLER & METER CWD
- SD144E019 AUTOCLAVE WIRING DIAGRAM
- SE144E020 AUTOCLAVE CND & WIREWAY LAYOUT, SECTION @ EL 108'-6"
- SD144E024 AUTOCLAVE THERMOCOUPLE LOCATOR DRAWING
- SD144E033 INJECTION STATION METER #2 CWD
- SD144E034 INJECTION STATION METER #1 CWD
- SD144E035 INJECTION SYSTEM WIRE DIAGRAM
- 6000-B-52210-PL LP-495
- 6000-B-52214-PL LP-501
- 6000-B-52215-PL LP-502
- SE144E020 AUTOCLAVE SECTION @ ELEVATION 108'-6"
- SE144E021 AUTOCLAVE SECTION @ ELEVATION 115'-6"
- SE144-151 MODULAR COIL WINDING FACILITY ROOMS EQUIPMENT LOCATION

LEGEND:

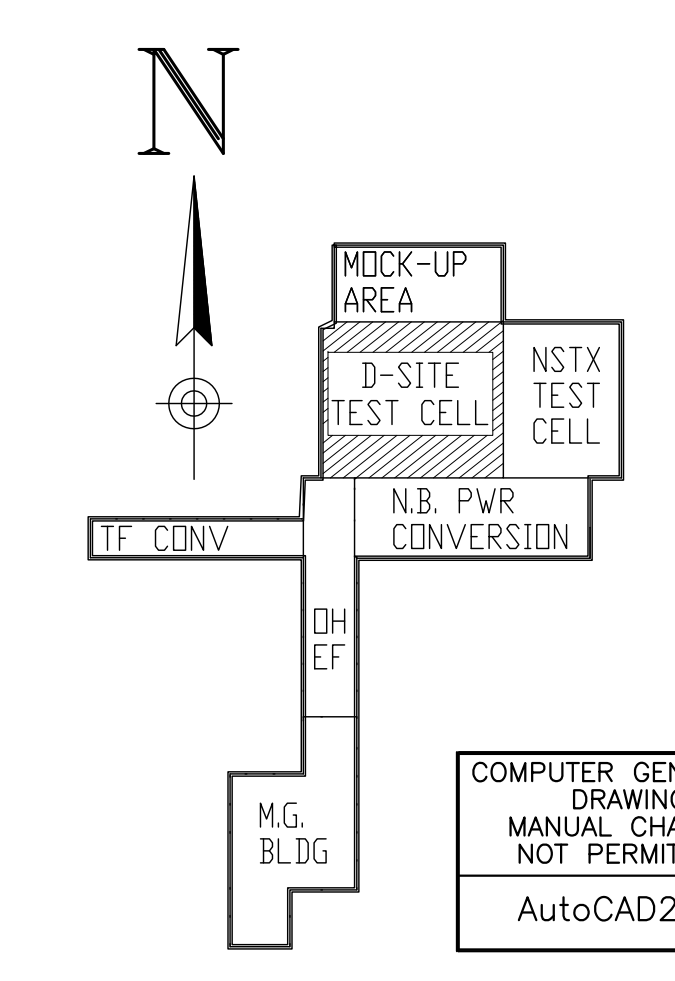
- Ⓜ 20A, 120 VOLT, CONVENIENCE RECEPTACLE, MOUNTED ON PLATFORMS 1, 2 & 3. INSTALLED 16" ABOVE EACH DECK.
- Ⓜ 30A, 120 VOLT, TWISTLOCK RECEPTACLE, MOUNTED ON PEDESTAL EDGE. DEDICATED RECEPT FOR INJECTION VACUUM PUMP.
- Ⓜ 20A, 120 VOLT, TANK HEATER RECEPTACLE, MOUNTED ON PLATFORMS 2 & 3. INSTALLED 16" ABOVE EACH DECK.
- Ⓜ 20A, 120 VOLT, DEDICATED RECEPTACLE, MOUNTED ON PLATFORM, INSTALLED UNDER B-ACLV-05.



D-SITE PARTIAL PLAN
 AUTOCLAVE SECTION @ ELEVATION
 108'-6"
 (TEST CELL PLAN AT 100'-0")
 SCALE 1/4"=1'-0"

**RELEASED FOR
 FABRICATION / INSTALLATION**
 PPPL Drafting

- NOTES:
1. INSTALL ONE NUMBER 6 AWG INSULATED GROUND CABLE FROM AUTOCLAVE GROUND TO THREE INJECTION PLATFORMS, TERMINATE WITH APPROVED CONNECTORS.
 2. THIS PHYSICAL CONDUIT AND WIREWAY LAYOUT IS DEDICATED TO THE INJECTION SYSTEM. SEE DRAWINGS SE144E020 AND SE144E021 FOR ADDITIONAL CONDUIT & WIREWAY INFORMATION.
 3. INSTALL A PULLING "C" CONDULET FITTING @ THE TOP OR BOTTOM OF PENETRATION. THE FITTING IS FOR AN AIR SEAL. CONDUIT AND FITTING MUST BE RIGID GALVANIZED STEEL.



NO.	REVISION	DATE
1	ADDED 30002E RECEPTACLES & CONDUIT PER EGN-4881	7/28/04
2	ADDED ROOM #2 EXTENSION & REFERENCE DWG SE144-151 PER EGN-4989	4/26/05
3	PER EGN-5176	10/06/05
4	PER EGN-5369	6/12/08

D-NCSX-IP-2918

PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COILS TOOLING AND WINDING AUTOCLAVE CONDUIT AND WIREWAY LAYOUT AUTOCLAVE INJECTION SYSTEM			
DIV: ELECTRICAL	DATE: 6/23/04	CADD FILE: SE144E036R4.DWG	
ENG: FRANK JONES	APPROVED: FRANK JONES	SE144E036	
DWN: FRANK JONES	CHK: JIM NELSON	CHK: JN	SUPV: JS
SHEET		OF	
		REV 4	

DwgNo: 1/4"x1'-0"