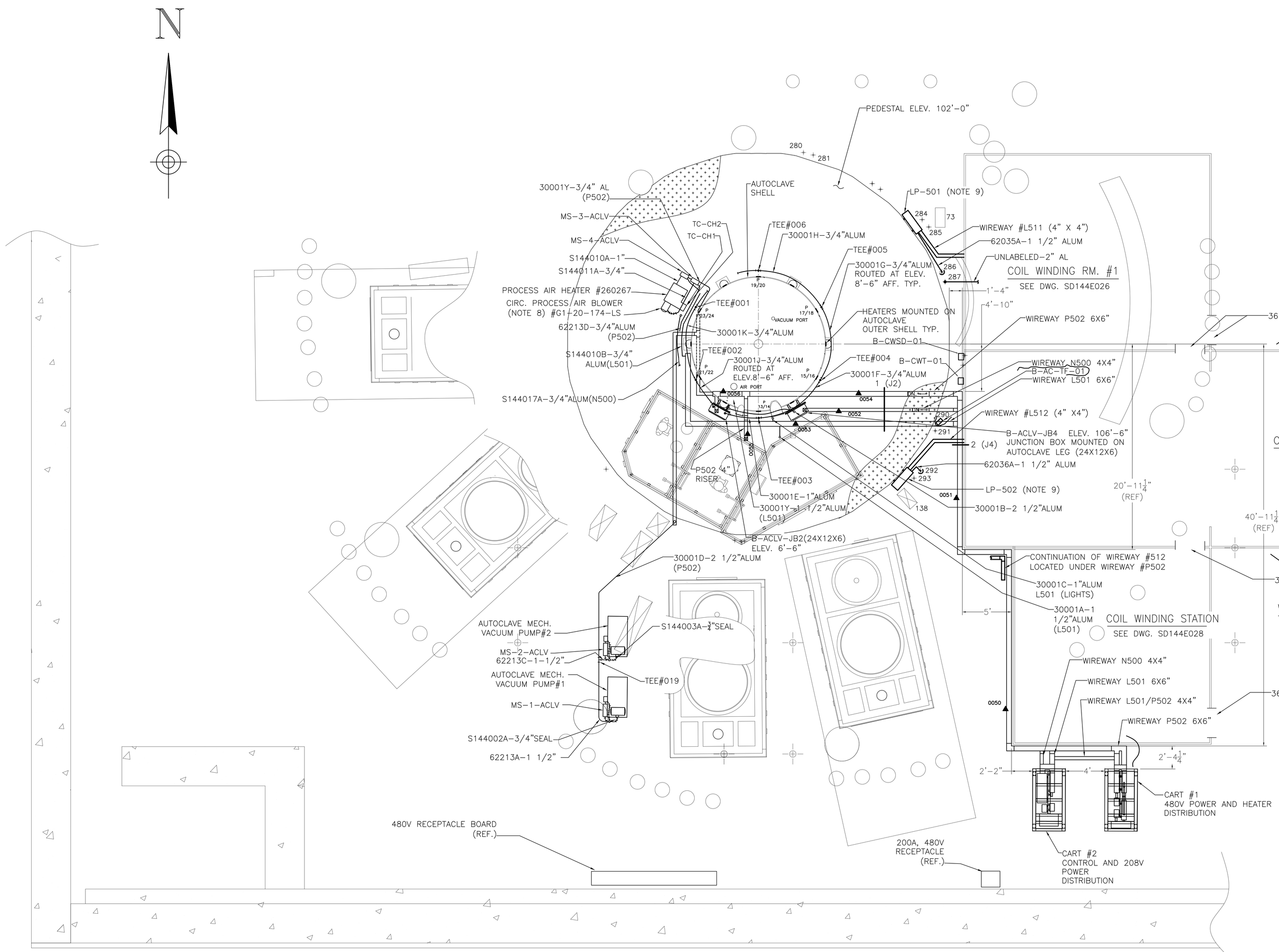
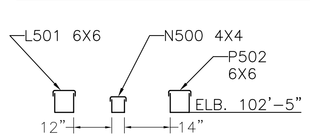
REFERENCE DRAWINGS:

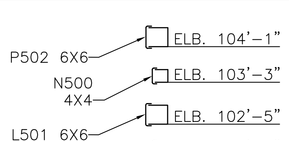
SB144E001 AUTOCLAVE 300W TUNG. HALOGEN LIGHTING
SB144E002 AUTOCLAVE COMB. MOT. CTRL MS-1-ACLV
SB144E003 AUTOCLAVE COMB. MOT. CTRL MS-2-ACLV
SB144E004 AUTOCLAVE 2000W PRIMARY HTR 1-6
SB144E005 AUTOCLAVE 2000W PRIMARY HTR 7-12
SB144E006 AUTOCLAVE 2000W SECONDARY HTR 1-6
SB144E007 AUTOCLAVE 2000W SECONDARY HTR 7-12
SB144E008 AUTOCLAVE 2000W PRIMARY HTR 13-18
SB144E009 AUTOCLAVE 2000W PRIMARY HTR 19-24
SB144E010 AUTOCLAVE CRCLT HTR CTRL MS-4-ACLV
SB144E011 AUTOCLAVE BLOWER CTRL MS-3-ACLV
SB144E012 120V, 3ø, AC POWER RECEPTACLES CWD, CART#2
SB144E013 120V, 3ø, AC POWER RECEPTACLES CWD, AUTOCLAVE
SD144E014 ONE LINE DIAGRAM
SD144E015 AUTOCLAVE MOTOR #1 CWD
SD144E016 AUTOCLAVE MOTOR #2 CWD
SD144E017 AUTOCLAVE AIR CIRC. MANUAL CTRL & METER CWD
SD144E018 AUTOCLAVE LADDER DIAGRAM
SD144E019 AUTOCLAVE WIRING DIAGRAM
SE144E021 AUTOCLAVE SECTION @ ELEVATION 115'-6"
SD144E022 AUTOCLAVE HEATER LOCATOR & DETAILS
SD144E023 CART FABRICATION DRAWING
SD144E024 AUTOCLAVE THERMOCOUPLE LOCATOR DRAWING
SD144E025 AUTOCLAVE JUNCTION BOX B-ACLV-02 COVER CUTOUT
6000-B-52210-PL LP-495
6000-B-52213-PL PLP-500
6000-B-52212-PL PLP-499
6000-B-52211-PL PLP-498
6000-B-52214-PL LP-501
6000-B-52215-PL LP-502
SD144E026 COIL WINDING RM.#1 LIGHTING & EQUIP. POWER LAYOUT
SD144E027 COIL WINDING RM.#2 LIGHTING & EQUIP. POWER LAYOUT
SD144E028 COIL MOLD STATION LIGHTING & EQUIP POWER
SD144E029 WINDING STAND AC POWER CONTROL CWD
SD144E030 WINDING STAND AC POWER & CONTROL CWD
SD144E031 WINDING (MOLD) STAND AC POWER & CONTROL CWD
SD144E032 WINDING (WELD PREP) STAND AC POWER & CONTROL CWD
SE144-151 MODULAR COIL WINDING FACILITY EQUIPMENT LOCATION



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



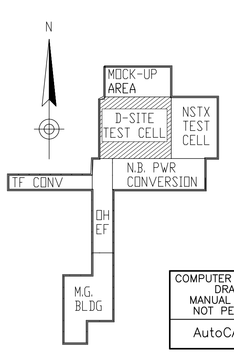
SECTION #1
(E9)



SECTION #2
(E10)

NOTES:

1. WIREWAYS TO BE ROUTED FROM CARTS ALONG FLOOR THEN UP TO PEDESTAL. CONTINUE ROUTE ALONG PEDESTAL TO JUNCTION BOXES.
2. CONDUITS FOR HEATERS TO BE SECURED TO THE BOTTOM SIDE OF PLATFORM SUPPORT MEMBERS.
3. HEATER CONDUITS SHOULD BE INSTALLED 3" MIN. FROM AUTOCLAVE SHELL IN ORDER TO PROVIDE SPACE FOR THERMAL INSULATION.
4. FIELD TO INSTALL SHORT GREENFIELD RUNS FROM TEE'S TO HEATER TERMINATION POINTS.
5. POWER SUPPLY CABLES FROM CARTS TO RECEPTACLES ON SOUTH WALL WILL BE ROUTED ALONG WITH AUTOCLAVE GROUND CABLE. FIELD TO ROUTE CABLES NEAR NEUTRAL BEAM BOX TO AVOID TRIP HAZARD. FIELD WILL FABRICATE AND INSTALL 4' RAMP WHERE CABLES ARE SOUTH OF BEAM BOX.
6.
7. INSTALL A NUMBER 4/0 BARE GROUND CABLE FROM AUTOCLAVE TO BUILDING GROUND BUS ALONG SOUTH WALL. TERMINATE WITH APPROVED CONNECTORS.
8. CIRC. PROCESS AIR BLOWER AND AIR HEATER WILL BE LOCATED IN THE FIELD BY MECHANICAL REP. ELECTRICAL CONDUIT AND CABLE WILL BE FIELD ROUTED.
9. FIELD TO INSTALL TWO (2) VERTICAL STRUTS ON PEDESTAL AS PANEL SUPPORTS. CENTER OF PANEL TO BE @ ELEV. 104'-6".



NO.	REVISION	BY	CHK	DATE
			APPROVED	2/04
1.	RELOCATED CARTS 1 & 2, WW#N500, L501 & P502, VACUUM PUMPS 1 & 2, BEAM BOX DETETED NOTE #9, ADDED SECTIONS 1 & 2 (E9,E10)	FJ	JUN/J.S.	2/04
2.	PER ECN-4835	FJ	JUN/J.S.	2/04
3.	ADDED: LP-501 & LP-502 AND CONDUITS 62035A & 62036A, & WIREWYS #511, #512 ZONES E,F/9,10 AND C,D/9,10. ADDED: DOORS IN ROOMS #1 & #2 AND COIL MOLD STATION, NOTE #9 AND REVISED REF. DWGS. (ZONES C,D,F,H/12,13) AND SECTION #2 (ZONE J/4)	JUN	F.J./J.S.	5/2/05
	ADDED ROOM #2 EXTENSION, REF DWG SE144-151 AND BOX B-AC-TF-01 PER ECN-4989 ADDED PROCESS AIR HEATER AND ASSOCIATED CONDUIT PER ECN-4851	RVK/FJ		

COMPUTER GENERATED DRAWING
MANUAL CHANGES NOT PERMITTED
AutoCAD2000

PRINCETON PLASMA PHYSICS LABORATORY
PRINCETON UNIVERSITY
NATIONAL COMPACT STELLARATOR EXPERIMENT
MODULAR COILS
TOOLING AND WINDING
AUTOCLAVE CONDUIT AND WIREWAY LAYOUT
AUTOCLAVE SECTION @ ELEVATION 108'-6"

DIV: ELECTRICAL	DATE: 2/20/04	CADD FILE: SE144E020R3.DWG
ENG: FRANK JONES	APPROVED FRANK JONES	SE144E020
DWN: FRANK JONES		
CHK: JIM NELSON	CHK J.N. / SUPV J.S.	SHEET OF / REV 3

DecEsize 1/4"=1'-0"

SE144E020.DWG