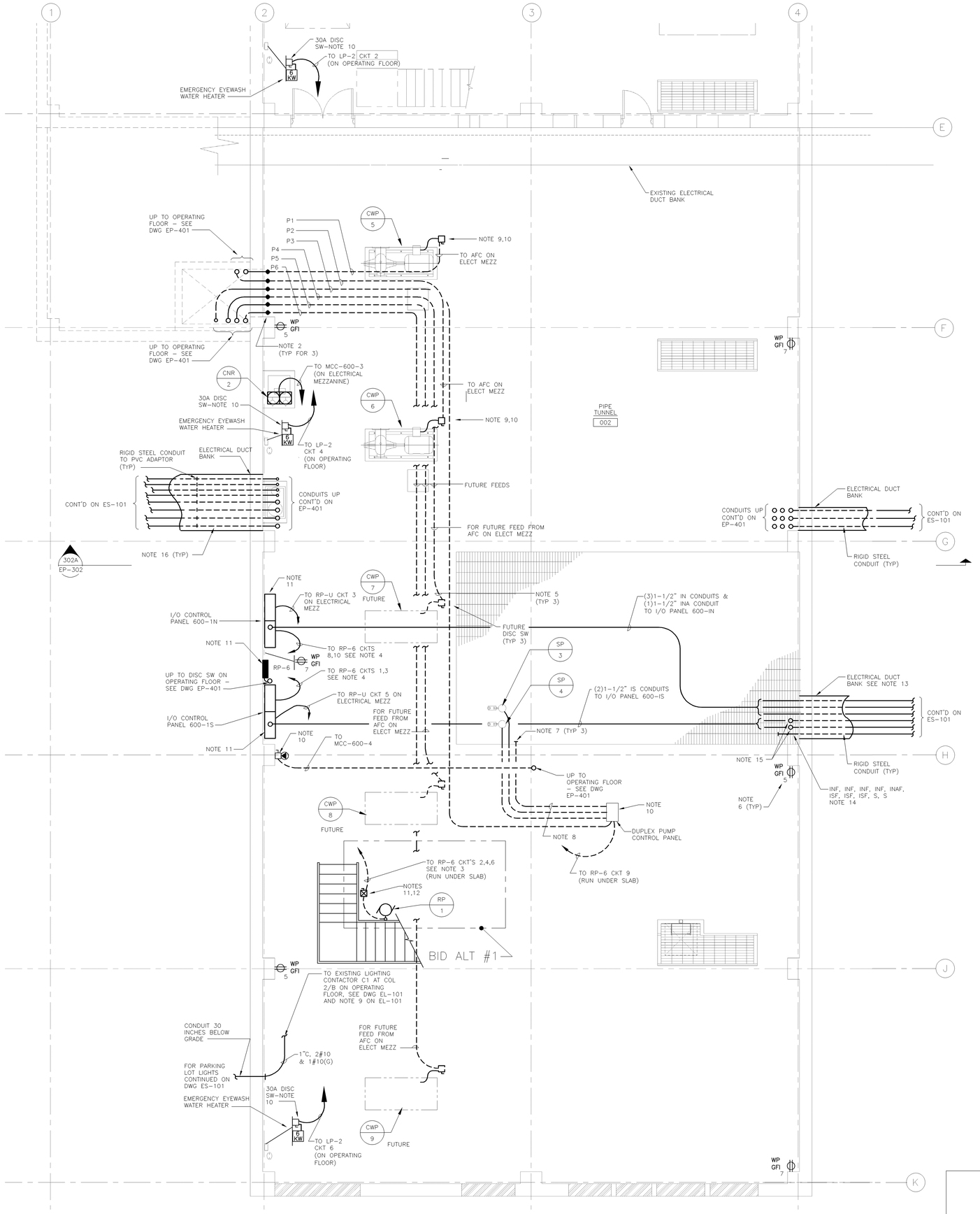
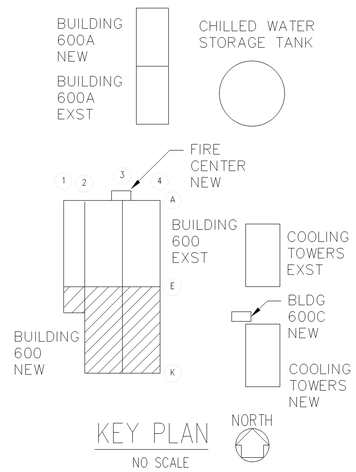
Date (mmm dd yyyy)	Issued For	Rev.
10-24-2007	TITLE I 100% COMPLETE	B
12-07-2007	TITLE II DESIGN 30% REVIEW SUBMITTAL	C
03-28-2008	TITLE II DESIGN 60% REVIEW SUBMITTAL	D
07-31-2008	TITLE II DESIGN 90% REVIEW SUBMITTAL	E
08-25-2008	TITLE II DESIGN 100% OWNER REVIEW	F
02-19-2009	TITLE II CONSTRUCTION BID ISSUE	0



400A ENLARGED POWER PLAN PIPE TUNNEL
EP-100 1/4" = 1'-0"



KEY PLAN
NO SCALE

NOTES:

1. REFER TO DRAWING E-001 FOR ELECTRICAL ABBREVIATIONS, GENERAL NOTES AND DRAWING LIST AND DRAWING E-002 FOR ELECTRICAL SYMBOLS.
2. PROVIDE SPARE CONDUIT IN CHASE AND RUN DOWN WALL TO BELOW FLOOR SLAB AND RUN BELOW SLAB TO LOCATION FOR FUTURE EQUIPMENT AS INDICATED. PROVIDE PULLWIRE IN SPARE CONDUITS.
3. RUN 3/4"C-3#12, 1#12(N) & 1#12(G).
4. TWO 120 VOLT CIRCUITS FROM PANEL RP-6 TO I/O CONTROL PANEL.
5. TURN UP CONDUIT FOR FEED TO FUTURE EQUIPMENT AND PROVIDE COUPLING WITH PLUG FLUSH WITH THE FINISHED FLOOR.
6. ALL 120 VOLT RECEPTACLES THIS SHEET TO BE FED FROM PANEL RP-6.
7. TAKE CONDUITS THAT ARE RUN BELOW SLAB INTO PIT APPROXIMATELY SIX INCHES BELOW FLOOR SLAB. WATERPROOF SEAL ALL CONDUITS THAT ARE RUN IN THE PIT.
8. 1"C INTO PIT FOR USE BY CONTROLS CONTRACTOR. TAKE 3" INTO PIT, PROVIDE PULLWIRE AND CAP.
9. REFER TO TYPICAL DISCONNECT SWITCH FREE STANDING MOUNTING DETAIL, DETAIL "501B", ON DRAWING E-501.
10. MAINTAIN 30" WIDE BY 4'-0" DEEP BY 6'-6" HIGH WORKING SPACE IN FRONT OF EQUIPMENT PER NEC ARTICLE 110.26(A) CONDITION 3 FOR VOLTAGE OF 151-600 VOLTS TO GROUND.
11. MAINTAIN 30" WIDE (OR WIDTH OF EQUIPMENT IF GREATER) BY 3'-0" DEEP (OR DEPTH REQUIRED TO OPEN DOOR 90 DEGREES IF GREATER) BY 6'-6" HIGH (OR HEIGHT OF EQUIPMENT IF GREATER) WORKING SPACE IN FRONT OF EQUIPMENT PER NEC ARTICLE 110.26(A) CONDITION 3 FOR VOLTAGE OF 0-150 VOLTS TO GROUND.
12. MOUNT STARTER SIMILAR TO TYPICAL DISCONNECT SWITCH FREE STANDING MOUNTING DETAIL, DETAIL "501B", ON DRAWING E-501.
13. SEE DUCT BANK SECTION "H" ON DWG EP-301 AND LEGEND FOR DESCRIPTION OF CONDUITS IN, VSH, VSHF ETC IN DUCT BANK.
14. TAKE DUCT BANK CONDUITS INTO PIPE TUNNEL APPROXIMATELY 1'-0" AND CAP FOR FUTURE EXTENSION TO I/O CONTROL PANELS.
15. CONDUITS VSH AND VSHF TURN UP THRU OPENING IN OPERATING FLOOR - SEE DWG EP-401 FOR CONTINUATION.
16. PROVIDE RIGID STEEL CONDUIT FROM BUILDING TO 5'-0" FROM BUILDING.

REFERENCE DRAWINGS:

MCC-600-3 ONE LINE DIAGRAM..... E-604
LP-2 SCHEDULE..... E-607
RP-6 & RP-U SCHEDULES..... E-607

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This drawing shall not be used for construction purposes until the seal and signature of the responsible registrant appears on the drawing, and proper permit forms and related fees are transmitted by the Owner, Owner's Agent or Contractor to the Authority Having Jurisdiction.

JOB NO.	SHEET	NO	REVISION	DATE	DWN.	APP'D.	QA
		A					

BROOKHAVEN NATIONAL LABORATORY
UNDER CONTRACT WITH
UNITED STATES DEPARTMENT OF ENERGY
PLANT ENGINEERING DIVISION
UPTON, NEW YORK 11973

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Approved By: R BARTOY
Project Manager: G. KAPLAN
Project Engineer/Architect: J BOSSORY
Project No.: SF070003

JOB TITLE: CENTRAL CHILLED WATER FACILITY PHASE II		DWG. TITLE: ENLARGED PWR PLAN PIPE TUNNEL	
ILR,GPP,LNI, HEM	DATE	ACCT. NO.	SHEET OF
SCALE: 1/8" = 1'-0"	DWN. BY: EA / REV'D BY: RB	JOB NO.: 11705	DWG. NO.: EP-400
ESHQ RISK LEVEL	APP'D. BY: R BARTOY	BLDG. NO.: 600	
PATH:			