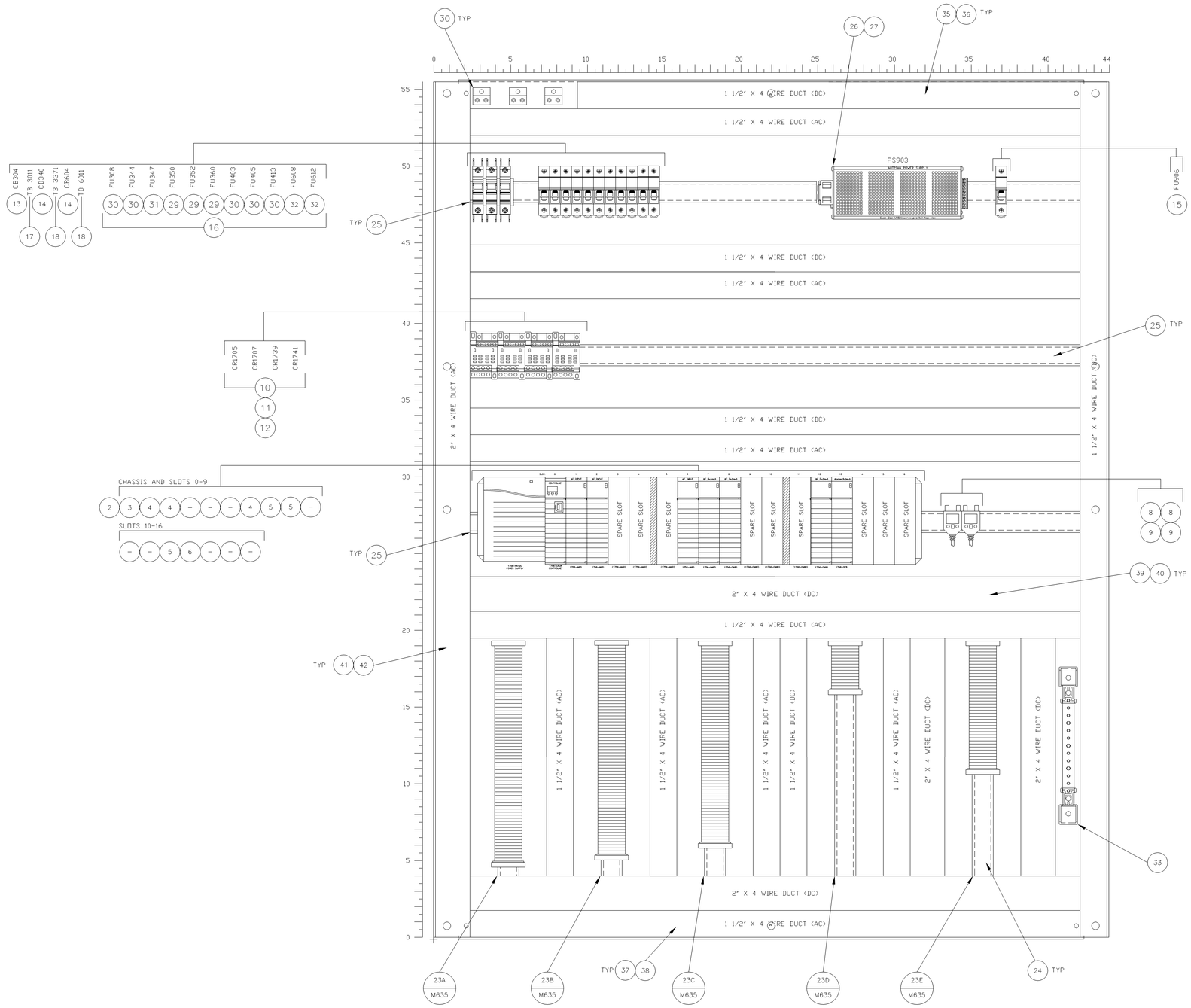
Date (mmm dd yyyy)	Issued For	Rev.
03-28-2008	TITLE II DESIGN 60% REVIEW SUBMITTAL	D
07-31-2008	TITLE II DESIGN 90% REVIEW SUBMITTAL	E
08-25-2008	TITLE II DESIGN 100% OWNER REVIEW	F
02-19-2009	TITLE II CONSTRUCTION BID ISSUE	0



BILL OF MATERIAL

ITEM NO.	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLEN BRADLEY	1756-A17	CONTROLOGIX 17 SLOT CHASSIS
2	1	ALLEN BRADLEY	1756-PA72C	CONTROLOGIX POWER SUPPLY, 120/240VAC, 100VA IN
3	1	ALLEN BRADLEY	1756-CN2R	CONTROLOGIX CONTROLNET NETWORK MODULE, REDUNDANT PORTS
4	3	ALLEN BRADLEY	1756-IA8D	CONTROLOGIX 16 POINT INPUT MODULE, 120VAC
5	3	ALLEN BRADLEY	1756-OA8D	CONTROLOGIX 16 POINT OUTPUT MODULE, 120VAC
6	1	ALLEN BRADLEY	1756-OF8	CONTROLOGIX 8 CHANNEL ANALOG OUTPUT MODULE, V/I
7	7	ALLEN BRADLEY	1756-TBNH	CONTROLOGIX REMOVEABLE TERMINAL BLOCK, SCREW CLAMP, 20 PIN
8	2	ALLEN BRADLEY	1786-TPYS	CONTROLNET COAX Y-TAP, STRAIGHT BNC
9	2	ALLEN BRADLEY	1786-XT	CONTROLNET 75 OHM COAX TERMINATOR PLUG
10	4	ALLEN BRADLEY	700-HF34A1-4	RELAY, 120VAC, 4PDT, 10A, LED
11	4	ALLEN BRADLEY	700-HN139	RELAY BASE, GUARDED SCREW TERMINALS, 14 PIN SOCKET
12	4	ALLEN BRADLEY	700-HN140	RELAY RETAINER CLIP
13	1	ALLEN BRADLEY	1489-A1C050	CIRCUIT BREAKER, 1 POLE, 5A, 240VAC/96VDC, C CURVE
14	2	ALLEN BRADLEY	1489-A1C200	CIRCUIT BREAKER, 1 POLE, 20A, 240VAC/96VDC, C CURVE
15	1	ALLEN BRADLEY	1492-FB1M30-D1	MIDGET STYLE FUSE HOLDER, 30A, 1 POLE, c/w BLOWN LED INDICATOR (24VDC)
16	11	ALLEN BRADLEY	1492-FB1M30-L	MIDGET STYLE FUSE HOLDER, 30A, 1 POLE, c/w BLOWN NEON INDICATOR
17	225	ALLEN BRADLEY	1492-W3	TERMINAL BLOCK, SCREW CLAMP, 600V AC/DC, 20A, GREY
18	26	ALLEN BRADLEY	1492-W4	TERMINAL BLOCK, SCREW CLAMP, 600V AC/DC, 30A, GREY
19	5	ALLEN BRADLEY	1492-EB3	TERMINAL BLOCK END BARRIER, GREY
20	20	ALLEN BRADLEY	1492-SP3	TERMINAL BLOCK SEPARATION PLATE
21	10	ALLEN BRADLEY	1492-EAJ35	TERMINAL BLOCK END ANCHOR, DIN RAIL - NORMAL DUTY
22	3	ALLEN BRADLEY	1492-CJ5-5	TERMINAL BLOCK PLUG-IN CENTRE JUMPER, 5 POLE
23	3	ALLEN BRADLEY	1492-CJ5-10	TERMINAL BLOCK PLUG-IN CENTRE JUMPER, 10 POLE
24	2	ALLEN BRADLEY	1492-DR6	DIN RAIL, ALUMINUM, HIGH RISE SYM., 1M LG
25	3	ALLEN BRADLEY	1492-DR1	DIN RAIL, STEEL, 1M LG
26	1	ACOPIAN	W24NT600	POWER SUPPLY, 120VAC-24VDC, 5 AMPS, SWITCHING REGULATED
27	1	ACOPIAN	NPH35DIN	POWER SUPPLY DIN RAIL HORIZONTAL MOUNTING KIT
28	1	BUSSMANN	KLM-5	FUSE, MIDGET STYLE, 5A, FAST ACTING, 500V AC/DC
29	3	BUSSMANN	FNM-1	FUSE, MIDGET STYLE, 1A, TIME DELAY, 250V AC
30	5	BUSSMANN	FNM-2	FUSE, MIDGET STYLE, 2A, TIME DELAY, 250V AC
31	1	BUSSMANN	FNM-3	FUSE, MIDGET STYLE, 3A, TIME DELAY, 250V AC
32	2	BUSSMANN	FNM-4	FUSE, MIDGET STYLE, 4A, TIME DELAY, 250V AC
33	1	HOFFMAN	PGS2K	GROUND BUS RAIL, 200mm LONG, 2 ISOLATION MOUNTS
34	3	ILSCO	AU-1/0-1	GROUND LUG, 2 TAP, 600V, 1/0 - 14 AWG WIRE RANGE
35	3	PANDUIT	F1.5X4LG6	WIREWAY, NARROW SLOT, LIGHT GREY, 1.75" x 4.10" x 6FT LG
36	3	PANDUIT	C1.5LG6	WIREWAY, COVER, LIGHT GREY, 1.75" x 6FT LG
37	5	PANDUIT	F1.5X4WH6	WIREWAY, NARROW SLOT, WHITE, 1.75" x 4.10" x 6FT LG
38	5	PANDUIT	C1.5WH6	WIREWAY, COVER, WHITE, 1.75" x 6FT LG
39	2	PANDUIT	F2X4LG6	WIREWAY, NARROW SLOT, LIGHT GREY, 2.25" x 4.10" x 6FT LG
40	2	PANDUIT	C2LG6	WIREWAY, COVER, LIGHT GREY, 2.25" x 6FT LG
41	1	PANDUIT	F2X4WH6	WIREWAY, NARROW SLOT, WHITE, 2.25" x 4.10" x 6FT LG
42	1	PANDUIT	C2WH6	WIREWAY, COVER, WHITE, 2.25" x 6FT LG
43	11	GENERIC	GENERIC	RESISTOR, 51KOHMS, 1/2W, 5%
44				

This drawing has been prepared solely for the use of Brookhaven National Laboratory, and there are no representations of any kind made by Giffels, Partnership to any party with whom Giffels, Partnership has not entered into a contract.

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'S.	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: M CODRINGTON
Project Manager: G. KAPLAN
Project Engineer/Architect: M CODRINGTON
Project No.: SF070003

JOB TITLE: CENTRAL CHILLED WATER FACILITY PHASE II			DWG. TITLE: ENCLOSURE INTERIOR LAYOUT	
ILR,GPP,LNI, HEM	DATE		ACCT. NO.	SHEET 25 OF 32
SCALE 1:3	DWN. BY MC	REV'D BY MC	JOB NO. 11705	DWG. NO. M-635-25
ESHQ RISK LEVEL	APP'D. BY		BLDG. NO. 600	
PATH:				

Path\Name: C:\d\tmsdatasf\brookhaven_national_laboratory\sf070003\500-deliv\panel100percentdwgs\11705-M635-25.DWG
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User Name: Ed Piendel