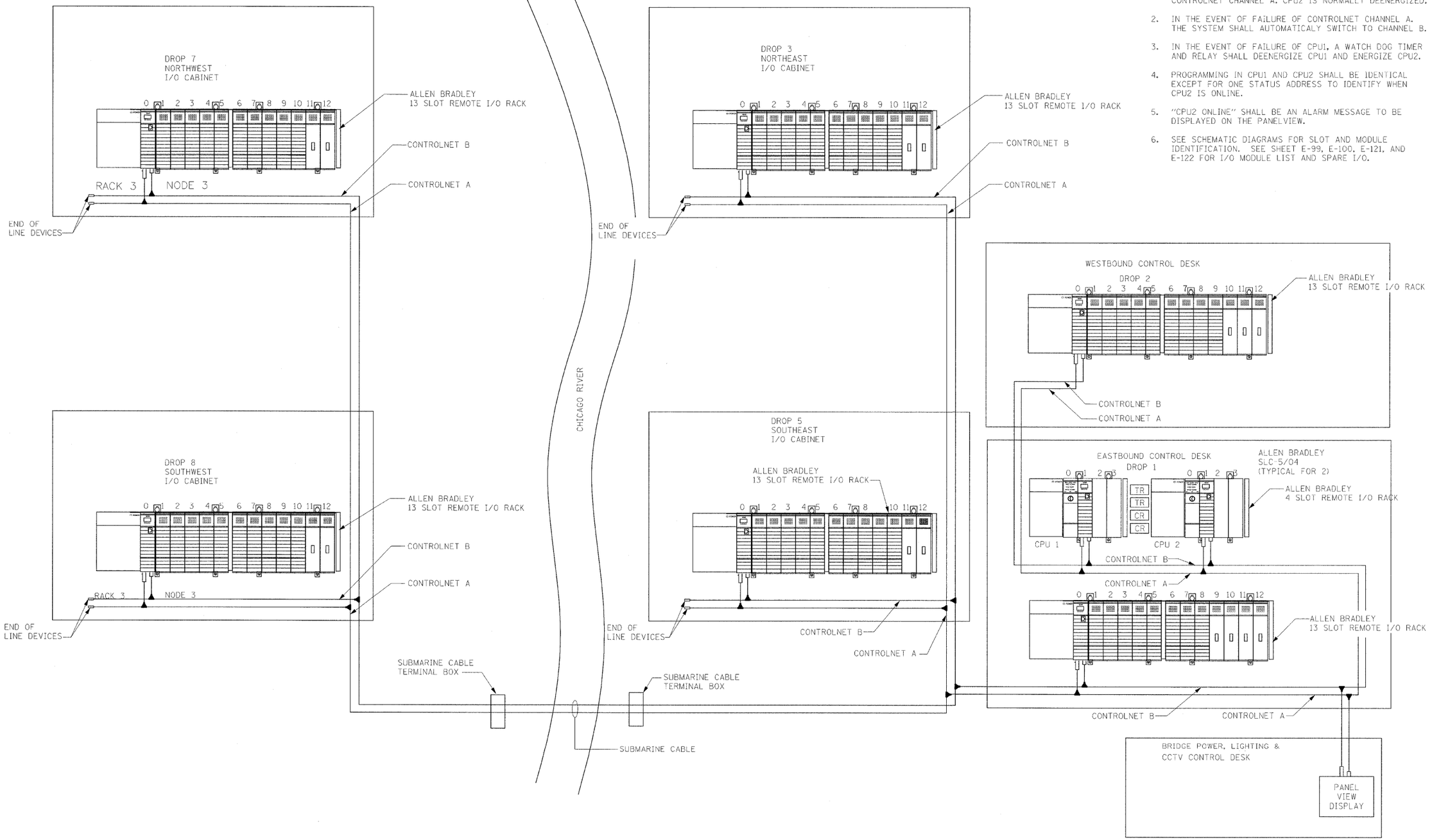
NOTES:

1. SYSTEM SHALL OPERATE NORMALLY ON CPU1, CONTROLNET CHANNEL A. CPU2 IS NORMALLY DEENERGIZED.
2. IN THE EVENT OF FAILURE OF CONTROLNET CHANNEL A. THE SYSTEM SHALL AUTOMATICALY SWITCH TO CHANNEL B.
3. IN THE EVENT OF FAILURE OF CPU1, A WATCH DOG TIMER AND RELAY SHALL DEENERGIZE CPU1 AND ENERGIZE CPU2.
4. PROGRAMMING IN CPU1 AND CPU2 SHALL BE IDENTICAL EXCEPT FOR ONE STATUS ADDRESS TO IDENTIFY WHEN CPU2 IS ONLINE.
5. "CPU2 ONLINE" SHALL BE AN ALARM MESSAGE TO BE DISPLAYED ON THE PANELVIEW.
6. SEE SCHEMATIC DIAGRAMS FOR SLOT AND MODULE IDENTIFICATION. SEE SHEET E-99, E-100, E-121, AND E-122 FOR I/O MODULE LIST AND SPARE I/O.



PB Americas, Inc. 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = sharma	DESIGNED - B. CROUTHAMEL	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	FILE NAME = D160d61-sht-elc-124.dgn	DRAWN - S. SHARMA	REVISED -	
	PLOT SCALE = NONE	CHECKED - S. STERN	REVISED -	
	PLOT DATE = 5/7/2009	DATE - MAY 8, 2009	REVISED -	

PLC ARCHITECTURE DIAGRAM

SCALE: AS SHOWN | SHEET NO. E-124 OF E-125 SHEETS | STA. 379+06.09 TO STA. 382+45.28

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	395
		CONTRACT NO. 60D61		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		