

8.3.F.3 – TEMPORARY SWITCHGEAR SKETCH

(REFER TO PARAGRAPH 8.3.F)

SELECTION OF MAIN TEMPORARY SWITCHBOARD

BUILDING 1: 1000A, BUILDING 5-1 (EAST): 1600A, BUILDING 5-2 (WEST): 1600A, BUILDING 5-5 (ICU): 1000A, BUILDING 8: 1000A, BUILDING 16: 350A

THE MAIN SWITCHBOARD MUST BE A SERVICE-ENTRANCE RATED FREE-STANDING SWITCHBOARD WITH A 1600A SOLID STATE BREAKER WITH OVER-CURRENT AND GROUND FAULT TRIP SETTINGS. THE PICKUP MUST BE ADJUSTABLE FROM 800A TO 1600A. THE AIC SHOULD BE 65KA SYMMETRICAL. BUILDING 16 WOULD REQUIRE THE USE OF A 350A BREAKER.

SELECTION OF SECONDARY TEMPORARY SWITCHBOARDS

BOTH UNITS MUST BE SERVICE-ENTRANCE RATED. THE AIC SHOULD BE 65KA SYMMETRICAL. THE SECONDARY BREAKERS THAT NEED TO BE ACCOMMODATED FOR EACH BUILDING ARE SHOWN IN THE TABLE AT RIGHT.

THE TWO SECONDARY SWITCHBOARDS MUST BE ABLE TO ACCOMMODATE THE REQUIRED BREAKERS FOR ANY ONE SWITCHBOARD AT A TIME. THE MAXIMUM REQUIREMENT IS FOR BUILDING 5-2 (WEST) WITH 20 FEEDER BREAKERS.

BLDG. #	SECONDARY BREAKERS REQUIRED (ALL BREAKERS 125A & ABOVE MUST BE SOLID-STATE WITH GROUND FAULT TRIP ABILITY)										
	600A	400A	350A	225A	200A	175A	150A	125A	100A	60A	30A
1		1	1		6		2	1			1
5-1	2				5			1			
5-2		1	1	1	12	1	1	1	2		
5-5		1	1								
8		2				1			2		
16					2				2	2	1
MAX REQ'D	2	2	1	1	12	1	2	1	2	2	1