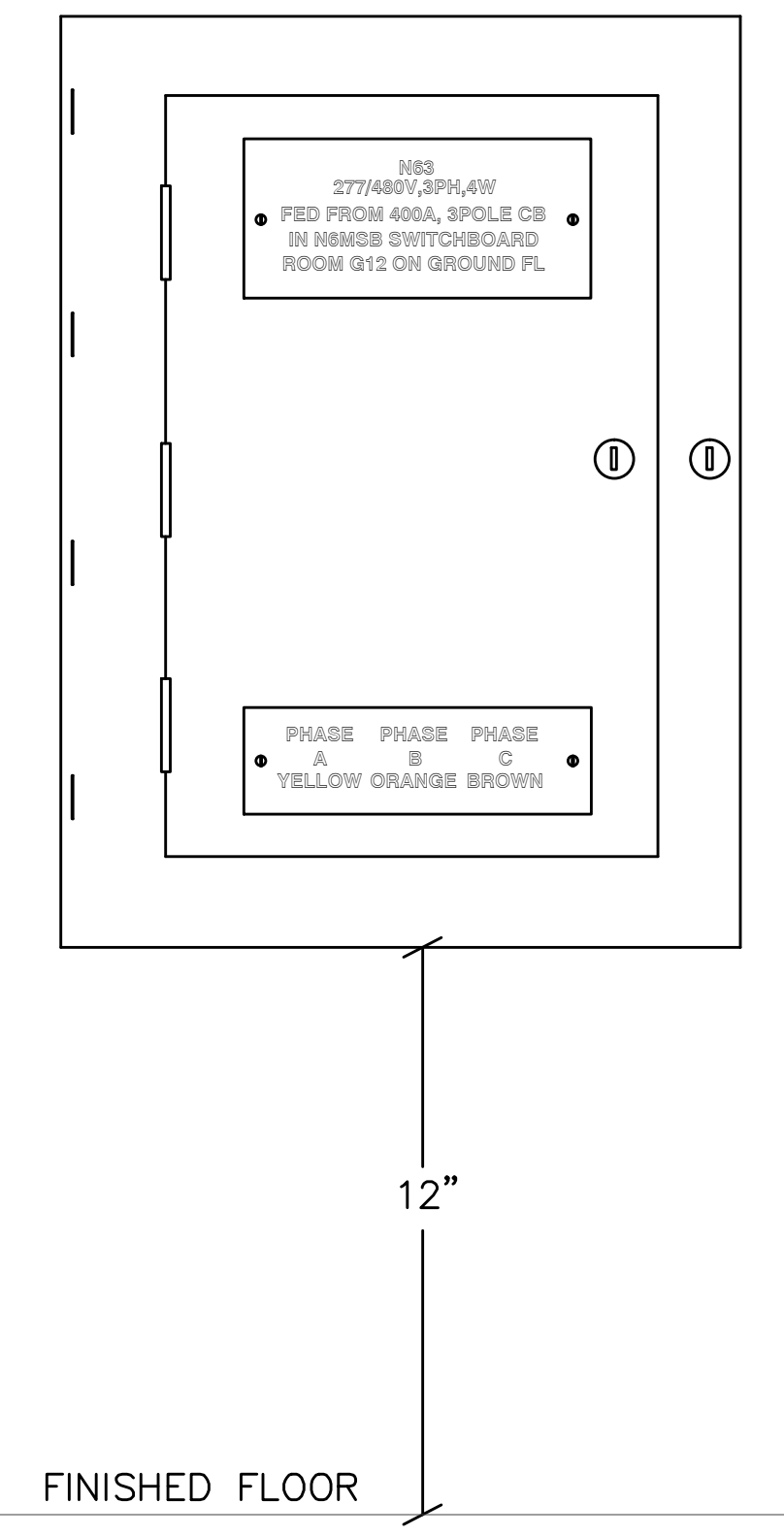


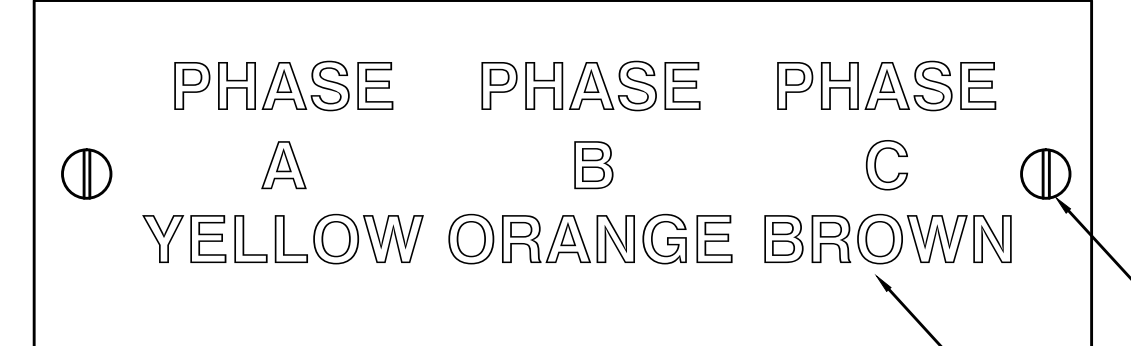
Panel: N63																
PANEL LOAD SUMMARY																
Equipment	LIGHT	RCPT	Q/M	CB SIZE	CIRCUIT #	PHASE A	PHASE B	PHASE C	CIRCUIT #	CB SIZE	LIGHT	RCPT	Q/M	Equipment		
RF-18			8820			11640			16				8820	RF-17		
			60/3			11640			17	80/3			8820			
			8820		3			11640	16				8820			
AHU-18			23278		4	46556			19				23278	AHU-17		
			23278	160/3			46556		20	180/3			23278			
			23278		7			46556	21				23278			
SPARE					8	0			22					SPARE		
				128/3		0			23	128/3						
					9			0	24							
TVSS			600		10	600			26					SPARE		
			600	60/3			600		26	100/3						
			600		12			600	27							
SPACE					13	0			28					SPACE		
				226/3			0		29							
					14				30							
Sub-Total	0	0	89794			65696	60696	66966			0	0	87294	Sub-Total		
TOTAL CONNECTED LOAD PER PHASE(VOLTS)				DEMAND LOAD (VA)				WIRE SIZE CALCULATIONS				ENCLOSURE			NEMA 1	
LIGHT TYPE		Phase A	Phase B	Phase C	DEMAND FACTOR	Phase A	Phase B	Phase C	LARGEST PHASE DEMAND		66.70	KVA	MOUNTING		SURFACE	
LIGHTING		0.00	0.00	0.00	1.00	0.00	0.00	0.00	NO. OF PHASES		3	4.00	KVA	MAIN TYPE		ML
RECEPTACLES		0.00	0.00	0.00	1.00	0.00	0.00	0.00	DEMAND LOAD		176.09	400A	KVA	SIZE		400A
MOTORS/OTHER		689696.00	689696.00	689696.00	1.00	689696.00	689696.00	689696.00	SPACE CAPACITY (%3%)		3.00	4.00	KVA	FEED THRU		NO
TOTAL		689696.00	689696.00	689696.00	1.00	689696.00	689696.00	689696.00	TOTAL DESIGN LOAD		220.11	KVA	FEED		BOTTOM	
									SUPPLY VOLTAGE		480.00	V	BUS RATIO		400A	
													SERVICE RATED		NO	
TOTAL CONNECTED LIGHTING LOAD		0.00	0.00	KVA					MINIMUM COT AMPS		264.76	AMPS	AM FULL EQUIP-KVA RATING		6	
TOTAL CONNECTED RECEPTACLE LOAD		0.00	0.00	KVA									TYPE		LINE	
TOTAL CONNECTED MOTOR/OTHER LOAD		176.09	176.09	KVA									MANUFACTURER		SQUARE D	
TOTAL CONNECTED LOAD		176.09	176.09	KVA									OTHER		TVSS	
* Overlapped per NEC Table 220.13.																
										VOLTS		277/ 480	V 3 Phase, 4 Wire & Gnd Str Bar			

PANEL LOAD SUMMARY																	
Panel: NGW	Equipment	LIGHT	RCPT	Q/M	CB SIZE	CIRCUIT #	PHASE A	PHASE B	PHASE C	CIRCUIT #	CB SIZE	LIGHT	RCPT	Q/M	Equipment		
HWP-6B					30/3	1	7760	7760	13		30/3				3880	HWP-6A	
						2			14						3880		
						3		7760	16						3880		
						5820	4	11640							16		8220
						5820	5								17		8220
CHWP-6B					50/3	6	11640		17		50/3				8220	CHMP-6A	
						7		11640	18						8220		
						8	0		19								
						9		0	20								
						10	0	0	21								
SPACE				100/3	11			22			100/3					SPACE	
					12			23									
					13		0	24									
SPACE				100/3	14			25			100/3					SPACE	
					15			26									
					16		0	27									
Sub-Total		0	0	29100			19400	19400	19400			0	0	29100		Sub-Total	
TOTAL CONNECTED LOAD PER PHASE/LEG																	
						DEMAND LOAD (VA)			WIRE SIZE CALCULATIONS			ENCLOSURE			NEMA 1		
LOAD TYPE		Phase A	Phase B	Phase C		DEMAND FACTOR	Phase A	Phase B	Phase C	LARGEST PHASE DEMAND NO. OF PHASES	19.40	KVA	MOUNTING		SURFACE		
LIGHTING		0.00	0.00	0.00		1.00	0.00	0.00	0.00	DEMAND LOAD	58.20	KVA	SIZE		10GA		
RECP/TOTAL		0.00	0.00	0.00		-	0.00	0.00	0.00	POWER CAPACITY (KVA)	14.58	KVA	FEED TYPE		NO		
MOTOR/OTHER		19400.00	19400.00	19400.00		1.00	19400.00	19400.00	19400.00	TOTAL DESIGN LOAD	72.78	KVA	FEED		TOP		
TOTAL CONNECTED LOAD		19400.00	19400.00	19400.00			19400.00	19400.00	19400.00				BUS RATING		126A		
TOTAL CONNECTED LIGHTING LOAD		0.00	0.00	0.00		KVA				SUPPLY VOLTAGE	480.00	V	SERVICED RATED		NO		
TOTAL CONNECTED RECP/TOTAL LOAD		0.00	0.00	0.00		KVA				MINIMUM CCT AMPS	87.50	AMPS	MIN FULL EQUIP KVA RATING		4E		
TOTAL CONNECTED MOTOR/OTHER LOAD		58.20	58.20	58.20		KVA							MANUFACTURER		SQUARE D		
TOTAL CONNECTED LOAD		58.20	58.20	58.20		KVA							OTHER		TV55		
* Diversified per NEC Table 220.13.										VOLTS		277/ 480	V 3 Phase, 4 Wire & Grd Bus Bar				

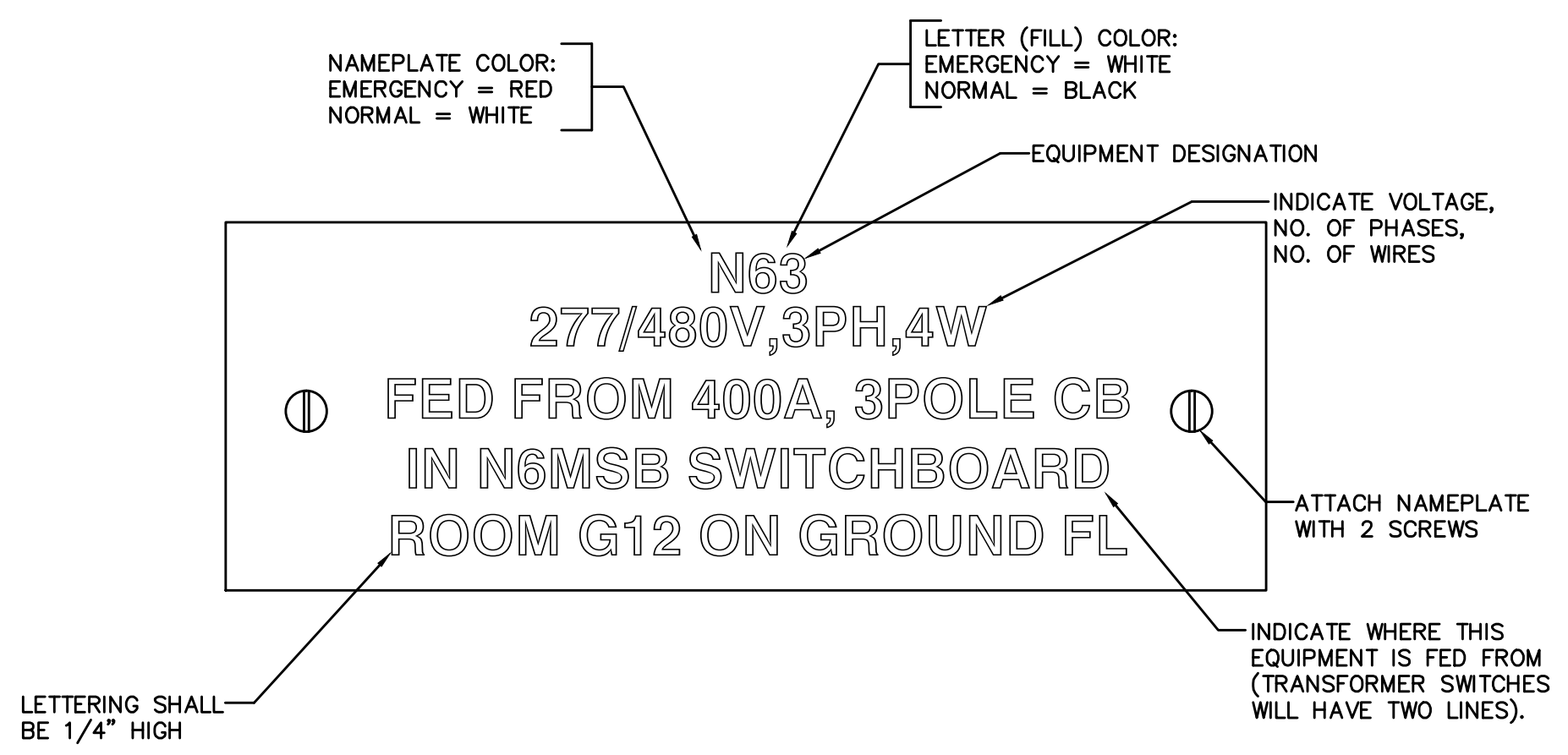
PANEL LOAD SUMMARY																
Panel: NBP																
Equipment	LIGHT	RCPT	Q/M	CB SIZE	CIRCUIT #	PHASE A	PHASE B	PHASE C	CIRCUIT #	CB SIZE	LIGHT	RCPT	Q/M	Equipment		
NEGW				19400	1	19400			10					SPACE		
				19400	2		19400		11	100/3						
				19400	3			19400	12							
				86696	4	59196			13			800				
N63				58696	400/3	5		59196	14	60/3			800	TV55		
				58696		6			59196	15			800			
						7	0						800			
						8										
SPACE					225/3			0	16	225/3				SPACE		
						9			0	18						
Sub-Total	0	0	234250			78596	78596	78596			0	0	1500	Sub-Total		
TOTAL CONNECTED LOAD PER PHASE/LEG				DEMAND LOAD (VA)				WIRE SIZE CALCULATIONS				ENCLOSURE		NEMA 1		
PHASE A	PHASE B	PHASE C	DEMAND FACTOR	PHASE A	PHASE B	PHASE C	LARGEST PHASE DEMAND	NO. OF PHASES	NO. OF WIRES	KVA	AMOUNTING	SURFACE	MINOR TYPE	MB		
LOAD TYPE	Phase A	Phase B	Phase C		Phase A	Phase B	Phase C		DEMAND LOAD	238.78	KVA			60A		
LIGHTING	0.00	0.00	0.00	1.00	0.00	0.00	0.00		SPARE CAPACITY @2%	56.96	KVA			FED THRU		
RECEPTACLES	0.00	0.00	0.00	*	0.00	0.00	0.00		TOTAL DESIGN LOAD	294.74	KVA			FED		
MOTORS/OTHER	78596.00	78596.00	78596.00	1.00	78596.00	78596.00	78596.00		SUPPLY V VOLTAGE	480.00	V			BUS RATING		
TOTAL	78596.00	78596.00	78596.00		78596.00	78596.00	78596.00							SERVICE RATED		
TOTAL CONNECTED LIGHTING LOAD				0.00	KVA				MINIMUM CCT AMPS				354.51	AMPS	MIN FUL EQUIP KVA RATIO	42
TOTAL CONNECTED RECEPTACLE LOAD				0.00	KVA										TYPE	I-LINE
TOTAL CONNECTED MOTOR/OTHER LOAD				238.78	KVA										MANUFACTURER	SQUARED
TOTAL CONNECTED LOAD				238.78	KVA										OTHER	TV55
* Diversified per NEC Table 220.13.																
										VOLTS	277/ 480	V 3 Phase, 4 Wire & Grd Bus Bar				



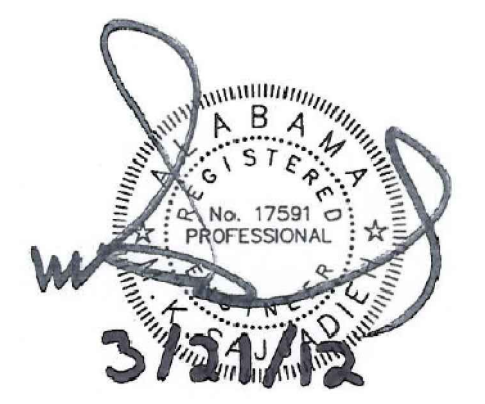
DETAIL
277/480V PANELBOARD INSTALLATION
& NAMEPLATE DETAIL
NOT TO SCALE



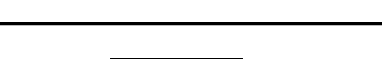
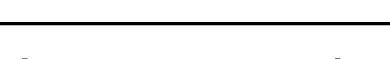

DETAIL
277/480V PANELBOARD
ELECTRICAL NAMEPLATE
NOT TO SCALE



DETAIL
ELECTRICAL NAMEPLATE FOR CIRCUIT BREAKER, VFD, DISCONNECT SWITCH & PANELBOARD
NOT TO SCALE



CONSTRUCTION DOCUMENTS

REV. A -- ADDENDUM #1	3/21/12	 <div style="text-align: center;"> <h1 style="margin: 0;">Tennessee Valley Healthcare System</h1> </div> 		Drawing Title PANELBOARD SCHEDULES & DETAILS	Project Title REPLACE ATTIC AHU'S- BLDG 6	Date 03/21/2012	Veterans Administration				
				Approved: --	Approved: Facility Manager	Project No. 626A4-11-204		Building Number 6	Checked JS	Drawn AL	DRAWING NO. 6-E8
Revisions	Date			Approved: --	Approved: Director	Location VAMC -- MURFREESBORO		FILE NAME --			