

Panel: (N) '1RA1'				Main: 150 Amps	
Bus Rating: 225 AMPS				Volts: 208/120V	
Enclosure: SURFACE				Phase: 3	
AIC RATING: 10,000 AIC				Wires: 4	

Ckt	Description	Load Type	Load (kVA)	DC Device			Phase	DC Device			Load (kVA)	Load Type	Description	Ckt
				Amps	Poles			Amps	Poles					
1	RECEPTACLES AREA A	2	0.18	20	1	A	20	1	1.30	2	RECEPTACLES AREA A	2		
3	RECEPTACLES AREA A	2	0.18	20	1	B	20	1	1.30	2	RECEPTACLES AREA A	4		
5	RECEPTACLES AREA A	2	0.18	20	1	C	20	1	1.30	2	RECEPTACLES AREA A	6		
7	RECEPTACLES AREA A	2	1.08	20	1	A	20	1	0.90	2	RECEPTACLES AREA A	8		
9	RECEPTACLES AREA A	2	1.30	20	1	B	20	1	0.90	2	RECEPTACLES AREA A	10		
11	RECEPTACLES AREA A	2	1.30	20	1	C	20	1	0.90	2	RECEPTACLES AREA A	12		
13	RECEPTACLES AREA A	2	0.60	20	1	A	20	1	1.08	2	RECEPTACLES AREA A	14		
15	RECEPTACLES AREA A	2	0.72	20	1	B	20	1	1.08	2	RECEPTACLES AREA A	16		
17	RECEPTACLES AREA A	2	0.60	20	1	C	20	1	1.26	2	RECEPTACLES AREA A	18		
19	RECEPTACLES AREA A	2	1.08	20	1	A	20	1	1.08	2	RECEPTACLES AREA A	20		
21	RECEPTACLES AREA A	2	1.08	20	1	B	20	1	1.08	2	RECEPTACLES AREA A	22		
23	RECEPTACLES AREA A	2	1.08	20	1	C	20	1	1.08	2	RECEPTACLES AREA A	24		
25	RECEPTACLES AREA A	2	0.40	20	1	A	20	1	1.00	2	RECEPTACLES AREA A	26		
27	RECEPTACLES AREA A	2	0.40	20	1	B	20	1	1.00	2	RECEPTACLES AREA A	28		
29	RECEPTACLES AREA A	2	0.80	20	1	C	20	1	1.00	2	RECEPTACLES AREA A	30		
31	RECEPTACLES CORRIDOR	2	0.80	20	1	A	20	1	0.00	1	OUTSIDE LIGHTS-AREA A	32		
33	RECEPTACLES CORRIDOR	2	0.80	20	1	B	20	1	0.00	—	SPARE	34		
35	SPARE	—	0.00	20	1	C	20	1	0.00	—	SPARE	36		
37	SPARE	—	0.00	20	1	A	20	1	0.46	1	STAINLESS SINK LIGHTS	38		
39	SPARE	—	0.00	20	1	B	20	1	0.00	—	SPARE	40		
41	ROLL-UP DOOR-NURSE MED IC506	7	1.2	20	1	C	20	1	0.00	—	SPARE	42		
				4.14	4.58	5.16			5.82	5.36	5.54			
				A	B	C			A	B	C			
LOAD PER PHASE				A=	9.50	B=	9.94			C=	10.7			
LOAD TYPE (NUMBER)		0	1	2	3	4	5	6	7					
LOAD TYPE (DESCRIPTION)		P.Rm.Lt	Lighting	Reps	Motors	L. Mot.	Kitch	Elevator	Equip					
TOTAL CONNECTED LOAD (kVA)		0.00	0.46	28.94	0.00	0.00	0.00	0.00	1.2	Total	30.6			
DEMAND MULTIPLIER:		1.00	1.25	formula*	1.00	1.25	1.00	1.00	1.00					
TOTAL DESIGN LOAD		0.00	0.58	19.47	0.00	0.00	0.00	0.00	1.2	20.05	kVA			
TOTAL AMPS		0.0	1.61	54.1	0.0	0.0	0.0	0.0	1.2	55.7	AMPS	ALLOWABLE LOAD	120	

formula\* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load – 10) \* 5) +10, Else Demand Load equals Connected Load.

Panel: (N) '1ELA' EMERGENCY LTG.				Main: 100 Amps	
Bus Rating: 225 AMPS				Volts: 480/277V	
Enclosure: SURFACE				Phase: 3	
AIC Rating: 10,000 AIC				Wires: 4	

Ckt	Description	Load Type	Load (KVA)	DC Device Amps	Poles	Phase	DC Device Amps	Poles	Load (KVA)	Load Type	Description	Ckt
1	EGRESS LIGHTING AREA A	1	1.20	20	1	A	20	1	0.00	–	SPARE	2
3	EGRESS LIGHTING AREA B/PHARM. EAST	1	1.10	20	1	B	20	1	0.00	–	SPARE	4
5	EGRESS LIGHTING AREA A & B	1	2.60	20	1	C	20	1	0.00	–	SPARE	6
7	SPARE	–	0.00	20	1	A	20	1	0.00	–	SPARE	8
9	SPARE	–	0.00	20	1	B	20	1	0.00	–	SPARE	10
11	SPARE	–	0.00	20	1	C	20	1	0.00	–	SPARE	12
13	SPARE	–	0.00	20	1	A	–	–	0.00	–	SPARE	14
15	SPARE	–	0.00	20	1	B	–	–	0.00	–	SPARE	16
17	SPARE	–	0.00	–	–	C	–	–	0.00	–	SPARE	18
19	SPARE	–	0.00	–	–	A	–	–	0.00	–	NUKE MED	20
21	SPARE	–	0.00	–	–	B	–	–	0.00	–	NUKE MED	22
23	SPARE	–	0.00	–	–	C	–	–	0.00	–	NUKE MED	24
25	SPARE	–	0.00	–	–	A	–	–	0.00	–	SPARE	26
27	SPARE	–	0.00	–	–	B	–	–	0.00	–	SPARE	28
29	SPARE	–	0.00	–	–	C	–	–	0.00	–	SPARE	30
31	SPARE	–	0.00	–	–	A	–	–	0.00	–	SPARE	32
33	SPARE	–	0.00	–	–	B	–	–	0.00	–	SPARE	34
35	SPARE	–	0.00	–	–	C	–	–	0.00	–	SPARE	36
37	SPARE	–	0.00	–	–	A	–	–	0.00	–	SPARE	38
39	SPARE	–	0.00	–	–	B	–	–	0.00	–	SPARE	40
41	SPARE	–	0.00	–	–	C	–	–	0.00	–	SPARE	42

			1.20	1.10	2.60				0.00	0.00	0.00		
			A	B	C				A	B	C		
LOAD PER PHASE			1.20	1.10	2.60	1.10			2.60				
LOAD TYPE (NUMBER)		0	1	2	3	4	5	6	7				
LOAD TYPE (DESCRIPTION)		P.Rm.Lt	Lighting	Receps	Motors	L. Mot.	Kitch	Elevator	Equip	Total			
TOTAL CONNECTED LOAD (KVA)		0.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	4.90			
DEMAND MULTIPLIER:		1.00	1.25	formula*		1.00	1.00	1.00	1.00				
TOTAL DESIGN LOAD		0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	6.13	KVA		
TOTAL AMPS			7.4	0.0	0.0	0.0	0.0	0.0	0.0	7.4	AMPS		


formula\* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load – 10) \* .5) +10, Else Demand Load equals Connected Load.

ALLOWABLE LOAD	80
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Panel: (N) '1LC'				Main: 200 Amps								
Bus Rating: 225 Amps				Volts: 480/277V								
Enclosure: SURFACE				Phase: 3								
A/C RATING: 10,000 A/C				Wires: 4								
Ckt	Description	Load Type	Load (KVA)	DC Device Amps	Poles	Phase	DC Device Amps	Poles	Load (KVA)	Load Type	Description	Ckt
1	LIGHTING AREA C, OFFICE/LABS	1	1.80	20	1	A	20	1	--	--	SPARE	2
3	LIGHTING AREA C,D CORRIDOR	1	3.00	20	1	B	20	1	--	--	SPARE	4
5	LIGHTING AREA C, OFFICE/LABS	1	2.10	20	1	C	20	1	--	--	SPARE	6
7	LIGHTING AREA B, OFFICES	1	3.20	20	1	A	20	1	1.60	1	LIGHTING AREA C, PHARMACY	8
9	LIGHTING AREA B, OFFICES	1	3.40	20	1	B	20	1	1.70	1	LIGHTING AREA C, PHARMACY	10
11	LIGHTING AREA B, OFFICES	1	1.60	20	1	C	20	1	2.30	1	LIGHTING AREA C, PHARMACY	12
13	SPARE	--	--	20	1	A	20	1	1.00	1	EXTERIOR SOFFIT LTG AREA E	14
15	SPARE	--	--	20	1	B	20	1	1.00	1	EXTERIOR SOFFIT LTG AREA E	16
17	SPARE	--	--	20	1	C	20	1	0.00	--	SPARE	18
19	SPARE	--	0.00	20	1	A	20	1	0.00	--	SPARE	20
21	SPARE	--	0.00	20	1	B	20	1	0.00	--	SPARE	22
23	SPARE	--	0.00	20	1	C	20	1	0.00	--	SPARE	24
25	SPARE	--	0.00	20	1	A	--	--	0.00	--	SPACE	26
27	SPARE	--	0.00	20	1	B	--	--	0.00	--	SPACE	28
29	SPARE	--	0.00	20	1	C	--	--	0.00	--	SPACE	30
31	SPACE	--	0.00	--	--	A	--	--	0.00	--	SPACE	32
33	SPACE	--	0.00	--	--	B	--	--	0.00	--	SPACE	34
35	SPACE	--	0.00	--	--	C	--	--	0.00	--	SPACE	36
37	SPACE	--	0.00	--	--	A	--	--	0.00	--	SPACE	38
39	SPACE	--	0.00	--	--	B	--	--	0.00	--	SPACE	40
41	SPACE	--	0.00	--	--	C	--	--	0.00	--	SPACE	42
LOAD PER PHASE			5.0 A A=	6.4 B B=	3.7 C C=	9.1	2.6 A A=	2.7 B B=	2.3 C C=			
LOAD TYPE (NUMBER)		0	1	2	3	4	5	6	7			
LOAD TYPE (DESCRIPTION)		P.Rm.Lt	Lighting	Receps	Motors	L. Mot.	Kitch	Elevator	Equip	Total		
TOTAL CONNECTED LOAD (KVA)		0.00	22.7	0.00	0.00	0.00	0.00	0.00	0.00	22.7		
DEMAND MULTIPLIER:		1.00	1.25	formula*	1.00	1.25	1.00	1.00	1.00			
TOTAL DESIGN LOAD		0.00	28.38	0.00	0.00	0.00	0.00	0.00	0.00	28.38	KVA	
TOTAL AMPS		0.0	34.13	0.0	0.0	0.0	0.0	0.0	0.0	34.13	AMPS	160

formula\* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, then the demand load is ((Connected Load - 10) \* .5) +10, Else Demand Load equals Connected Load.

Revisions	Date	N L A nacht & lewis ARCHITECTS 600 Q Street, Suite 100 Sacramento, Ca 95814 (916) 329-4000 - www.nlarch.com		Design Consultant				Keyplan
		FULLY SPRINKLERED						

NEL SCHEDULES	Project Title VA/NCHCS SACRAMENTO MEDICAL CENTER MATHER, CALIFORNIA PHASE 2 - BUILDING 650 RENOVATION			Project Number 612-101D	Office of Facilities Management	
				Building Name 650		
RSKIC	Location PETER McCUEN BLVD. MATHER, CALIFORNIA			Drawing Number E6.10		 Department of Veterans Affairs
	Date 11/7/08	Checked RR	Drawn RRC/MLH	Scale		



Panel: (N) '1RC4' EQUIPMENT										Main: 150 Amps													
Bus Rating: 225 AMPS										Volts: 208/120V													
Enclosure: SURFACE										Phase: 3													
AIC RATING: 10,000 AIC										Wires: 4													
Ckt	Description	Load Type	Load (KVA)	DC Device		Poles	Phase	DC Device		Poles	Load (KVA)	Load Type	Description	Ckt									
				Amps				Amps															
1	COILING GRILLE WAITING AREA	7	1.20	20	1	A	A	20	1	0.50	2	E259, E323 MICROBIOLOGY	2										
3	E319 HISTOLOGY	7	0.80	20	1	B	B	20	1	0.50	2	RECEPTACLE MICROBIOLOGY	4										
5	E232 HISTOLOGY	7	1.20	20	1	C	C	20	1	0.70	7	EF-34	6										
7	SPARE	—	—	20	1	A	A	30	1	2.40	7	E202-1 HISTOLOGY	8										
9	E271 BLOOD BANK	7	0.50	20	1	B	B	20	1	1.20	2	E202-2 HISTOLOGY	10										
11	E273 BLOOD BANK	7	0.80	20	1	C	C	20	1	1.20	7	E312 TB WORK	12										
13	SPARE	0.00	20	1	A	A	20	1	1.00	7	E309 TB WORK	14											
15	SPARE	0.00	20	1	B	B	20	1	1.60	7	E308 TB WORK	16											
17	SPARE	—	—	20	1	C	C	20	1	1.08	2	DIALYSIS RECEPTACLES	18										
19	SPARE	—	0.00	20	1	A	A	20	1	0.18	2	ROOF REC-EF	20										
21	SPARE	—	0.00	20	1	B	B	20	1	—	—	SPARE	22										
23	PLUMBING FIXT. LV. XMFR	7	0.50	20	1	C	C	20	1	—	—	SPARE	24										
25	SPACE	—	0.00	20	1	A	—	1	0.00	—	—	SPACE	26										
27	SPACE	—	0.00	20	1	B	—	1	0.00	—	—	SPACE	28										
29	SPACE	—	0.00	20	1	C	—	1	0.00	—	—	SPACE	30										
31	SPACE	0.00	—	1	A	—	1	0.00	—	—	—	SPACE	32										
33	SPACE	0.00	—	1	B	—	1	0.00	—	—	—	SPACE	34										
35	SPACE	0.00	—	1	C	—	1	0.00	—	—	—	SPACE	36										
37	SPACE	0.00	—	1	A	—	1	0.00	—	—	—	SPACE	38										
39	SPACE	0.00	—	1	B	—	1	0.00	—	—	—	SPACE	40										
41	SPACE	0.00	—	1	C	—	1	0.00	—	—	—	SPACE	42										
LOAD PER PHASE														120									
														1.2 A 5.28	1.30 B 5.28	2.5 C 5.28	4.08 C 5.48	3.3 B 5.48	2.98 C				
LOAD TYPE (NUMBER)														0	1	2	3	4	5	6	7		
LOAD TYPE (DESCRIPTION)														P.Rm.Lt	Lighting	Recepts	Motors	L. Mot.	Kitch	Elevator	Equip	Total	
TOTAL CONNECTED LOAD (KVA)														0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.9	16.36	
DEMAND MULTIPLIER:														1.00	1.25	formula*	1.00	1.25	1.00	1.00	1.00		
TOTAL DESIGN LOAD														0.00	0.00	3.46	0.00	0.00	0.00	0.00	12.9	16.36	KVA
TOTAL AMPS														0.0	0.0	1.74	0.0	0.0	0.0	0.0	35.8	45.4	AMPS
ALLOWABLE LOAD														120									
formula* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load - 10) * .5) +10, Else Demand Load equals Connected Load.																							

Panel: (N) '1RC1' LAB GENERAL										Main: 150 Amps									
Bus Rating: 225 AMPS										Volts: 208/120V									
Enclosure: SURFACE										Phase: 3									
AIC RATING: 10,000 AIC										Wires: 4									
Ckt	Description	Load Type	Load (kVA)	DC Device Amps	Poles	Phase	DC Device Amps	Poles	Load (kVA)	Load Type	Description	Ckt							
1	RECEPTACLES OFFICE	2	1.08	20	1	A	20	1	1.50	5	MICROWAVE STAFF LOUNGE	2							
3	COMPUTER RECEPT OFFICE	2	0.54	20	1	B	20	1	1.00	5	DISPOSAL STAFF LOUNGE	4							
5	RECEPTACLES OFFICE	2	1.08	20	1	C	20	1	0.72	5	KITCHEN RECEPT STAFF LOUNGE	6							
7	COMPUTER RECEPT OFFICE	2	0.54	20	1	A	20	1			SPARE	8							
9	COMPUTER RECEPT LAB	2	0.72	20	1	B	20	1			SPARE	10							
11	COMPUTER RECEPT LAB	2	1.08	20	1	C	20	1			SPARE	12							
13	SPARE			20	1	A	20	1	0.72	2	COMPUTER RECEPT HISTOLOGY	14							
15	SPARE			20	1	B	20	1	0.72	2	COMPUTER RECEPT HISTOLOGY	16							
17	SPARE			20	1	C	20	1	0.90	2	COMPUTER RECEPT HISTOLOGY	18							
19	RECEPT SPEC COLLECTION	2	0.54	20	1	A	20	1	0.18	2	RECEPTACLE LAB WORK AREA	20							
21	RECEPT SPEC COLLECTION	2	0.54	20	1	B	20	1	0.18	2	RECEPTACLE LAB WORK AREA	22							
23	RECEPT SPEC COLLECTION	2	0.54	20	1	C	20	1	0.18	2	RECEPTACLE LAB WORK AREA	24							
25	RECEPTACLES HISTOLOGY	2	0.36	20	1	A	20	1			SPARE	26							
27	RECEPTACLES HISTOLOGY	2	0.18	20	1	B	20	1			SPARE	28							
29	RECEPTACLES HISTOLOGY	2	0.54	20	1	C	20	1	0.18	2	RECEPTACLE LAB WORK AREA	30							
31	SPARE	2	0.00	20	1	A	20	1	0.36	2	RECEPTACLE LAB WORK AREA	32							
33	SPARE	2	0.00	20	1	B	20	1	0.00	2	SPARE	34							
35	SPACE	-	0.00	-	1	C	-	-	0.00	-	SPACE	36							
37	SPACE	-	0.00	-	1	A	-	-	0.00	-	SPACE	38							
39	SPACE	-	0.00	-	1	B	-	-	0.00	-	SPACE	40							
41	SPACE	-	0.00	-	1	C	-	-	0.00	-	SPACE	42							
LOAD PER PHASE										2.52 1.98 3.24 2.76 1.90 1.98 A B C A B C A= 5.28 B= 5.22 C= 5.22									
LOAD TYPE (NUMBER)										0 1 2 3 4 5 6 7 P.Rm.Lt Lighting Recepts Motors L. Mot. Kitch Elevator Equip Total									
LOAD TYPE (DESCRIPTION)										0.00 0.00 11.16 0.00 0.00 3.22 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00									
TOTAL CONNECTED LOAD (KVA)										1.00 1.25 formula* 1.00 1.25 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00									
DEMAND MULTIPLIER:										1.00 1.25 formula* 1.00 1.25 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00									
TOTAL DESIGN LOAD										0.00 0.00 10.58 0.00 0.00 3.22 0.00 0.00 0.00 13.80 KVA									
TOTAL AMPS										0.0 0.0 29.4 0.0 0.0 8.9 0.0 0.0 0.0 38.3 AMPS									
ALLOWABLE LOAD										120									
formula* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load - 10) * .5) +10, Else Demand Load equals Connected Load.																			

Panel: (N) '1RB1'								Main: 150 Amps				
Bus Rating: 225 AMPS								Volts: 208/120V				
Enclosure: SURFACE								Phase: 3				
AIC Rating: 10,000 AIC								Wires: 4				
Ckt	Description	Load Type	Load (kVA)	DC Device Amps	Poles	Phase	DC Device Amps	Poles	Load (kVA)	Load Type	Description	Ckt
1	RECEPTACLES AREA B	2	1.08	20	1	A	20	1	0.72	2	RECEPTACLES AREA B	2
3	RECEPTACLES AREA B	2	1.08	20	1	B	20	1	0.36	2	RECEPTACLES AREA B	4
5	RECEPTACLES AREA B	2	1.26	20	1	C	20	1	0.54	2	RECEPTACLES AREA B	6
7	RECEPTACLES AREA B	2	0.90	20	1	A	20	1	1.44	2	RECEPTACLES AREA B	8
9	RECEPTACLES AREA B	2	1.08	20	1	B	20	1	1.26	2	RECEPTACLES AREA B	10
11	RECEPTACLES AREA B	2	0.90	20	1	C	20	1	1.44	2	RECEPTACLES AREA B	12
13	RECEPTACLES AREA B	2	1.26	20	1	A	20	1	0.72	2	RECEPTACLES AREA B	14
15	RECEPTACLES AREA B	2	1.26	20	1	B	20	1	0.72	2	RECEPTACLES AREA B	16
17	RECEPTACLES AREA B	2	1.44	20	1	C	20	1	0.72	2	RECEPTACLES AREA B	18
19	RECEPTACLES AREA B	2	0.72	20	1	A	20	1	1.26	2	RECEPTACLES AREA B	20
21	RECEPTACLES AREA B	2	0.54	20	1	B	20	1	1.26	2	RECEPTACLES AREA B	22
23	RECEPTACLES AREA B	2	0.54	20	1	C	20	1	1.08	2	RECEPTACLES AREA B	24
25	RECEPTACLES AREA B	2	0.72	20	1	A	20	1	0.72	2	RECEPTACLES AREA B	26
27	RECEPTACLES AREA B	2	0.72	20	1	B	20	1	0.72	2	RECEPTACLES AREA B	28
29	RECEPTACLES AREA B	2	0.72	20	1	C	20	1	0.72	2	RECEPTACLES AREA B	30
31	COILING GRILLE RM 1C506	7	1.20	20	1	A	20	1	—	—	SPARE	32
33	SPARE	—	0.00	20	1	B	20	1	—	—	SPARE	34
35	SPARE	—	0.00	20	1	C	20	1	—	—	SPARE	36
37	SPARE	—	0.00	20	1	A	—	—	0.00	—	SPARE	38
39	SPARE	—	0.00	20	1	B	—	—	0.00	—	SPARE	40
41	SPARE	—	0.00	20	1	C	—	—	0.00	—	SPARE	42
LOAD PER PHASE			5.88 A=	4.68 B=	4.86 C=	9.54			5.58 A=	4.86 B=	5.04 C=	
LOAD TYPE (NUMBER)		0	1	2	3	4	5	6	7			
LOAD TYPE (DESCRIPTION)		P.Rm.Lt	Lighting	Recepts	Motors	L. Mot.	Kitch	Elevator	Equip	Total		
TOTAL CONNECTED LOAD (KVA)		0.00	29.70	1.00	1.00	0.00	1.00	0.00	1.20	30.90		
DEMAND MULTIPLIER:		1.00	1.25	formula*	1.00	1.25	1.00	1.00	1.00			
TOTAL DESIGN LOAD		0.00	0.00	19.85	0.00	0.00	0.00	0.00	1.20	21.05	KVA	
TOTAL AMPS		0.0	0.0	55.1	0.0	0.0	0.0	0.0	3.3	58.5	AMPS	
ALLOWABLE LOAD												120
formula* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load - 10) * .5) +10, Else Demand Load equals Connected Load.												

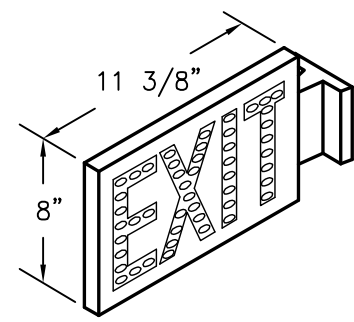
Panel: (N) '1EE' LIFE SAFETY								Main: 100 Amps				
Bus Rating: 225 AMPS								Volts: 208/120V				
Enclosure: SURFACE								Phase: 3				
AIC RATING: 14,000 AIC								Wires: 4				
Ckt	Description	Load Type	Load (KVA)	DC Device Amps	Poles	Phase	DC Device Amps	Poles	Load (KVA)	Load Type	Description	Ckt
1	SPARE		0.00	20	1	A	20	2	1.40	7	DIALYSIS UNIT	2
3	SMOKE DAMPERS AREA B, C	7	1.00	20	1	B			1.40	7	DIALYSIS UNIT	4
5	SMOKE DAMPERS AREA E	7	1.00	20	1	C	20	2	1.40	7	DIALYSIS UNIT	6
7	(N) FACP	7	0.50	20	1	A			1.40	7	DIALYSIS UNIT	8
9	SPARE		0.00	20	1	B	20	1	0.50	7	(N) FA POWER SUPPLY RM1D405	10
11	(E) FA POWER SUPPLY	7	1.00	20	1	C	20	1	0.50	7	(N) FA POWER SUPPLY RM1E122	12
13	(E) FACP	7	0.50	20	1	A	20	1	0.50	7	(N) FA POWER SUPPLY RM1C601	14
15	AUTOMATIC DOOR LOBBY	7	1.00	20	1	B	20	1	0.50	7	(N) FA POWER SUPPLY RM 2-16-01	16
17	(E) DACT	7	0.50	20	1	C	20	1	0.50	7	(N) FA POWER SUPPLY RM 3-16-01	18
19	(N) FA POWER SUPPLY RM1B237	7	0.50	20	1	A	20	1	0.00	—	SPARE	20
21	(N) FA POWER SUPPLY RM1B291	7	0.50	20	1	B	20	1	0.00	—	SPARE	22
23	(N) FA POWER SUPPLY RM1D801	7	0.50	20	1	C	20	1	0.00	—	SPARE	24
25	SPARE	—	0.00	20	1	A	20	1	0.00	—	SPARE	26
27	SPARE	—	0.00	20	1	B	20	1	0.00	—	SPARE	28
29	SPARE	—	0.00	20	1	C	20	1	0.00	—	SPARE	30
31	SPARE	—	0.00	20	1	A	20	1	0.00	—	SPARE	32
33	SPARE	—	0.00	20	1	B	30	1	0.00	—	SPARE	34
35	SPARE	—	0.00	20	1	C	20	1	0.00	—	SPARE	36
37	SPARE	—	0.00	20	1	A	20	1	0.00	—	SPARE	38
39	SPARE	—	0.00	20	1	B	20	1	0.00	—	SPARE	40
41	SPARE	—	0.00	20	1	C	20	1	0.00	—	SPARE	42
LOAD PER PHASE			1.50 A	2.50 B	3.00 C	4.90		3.30 A	2.40 B	2.40 C		
LOAD TYPE (NUMBER)			0	1	2	3	4	5	6	7		
LOAD TYPE (DESCRIPTION)			P.Rm.Lt	Lighting	Receps	Motors	L. Mot.	Kitch	Elevator	Equip	Total	
TOTAL CONNECTED LOAD (KVA)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.10	15.10	
DEMAND MULTIPLIER:			1.00	1.25	formula*	1.00	1.25	1.00	1.00	1.00		
TOTAL DESIGN LOAD			0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.10	15.10	KVA
TOTAL AMPS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.9	41.9	AMPS
TRANS PRIMARY 'TEC' (1EE)												80
formula* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load - 10) * .5) +10, Else Demand Load equals Connected Load.												18

Panel: (N) '1EE2' CRITICAL										Main: 200 Amps		
Bus Rating: 225 AMPS										Volts: 208/120V		
Enclosure: SURFACE										Phase: 3		
AIC RATING: 10,000 AIC										Wires: 4		
Ckt	Description	Load Type	Load (KVA)	DC Device Amps	Poles	Phase	DC Device Amps	Poles	Load (KVA)	Load Type	Description	Ckt
1	RECEPTACLE T/D RM 1C302	2	0.36	20	1	A	20	1	0.36	2	RECEPTACLE T/D RM. 1C302	2
3	RECEPTACLE T/D RM 1C302	2	0.36	20	1	B	20	1	0.36	2	RECEPTACLE T/D RM. 1C302	4
5	RECEPTACLE T/D RM 1C302	2	0.36	20	1	C	20	1	0.90	2	RECEPTACLE T/D RM. 1C900	6
7	RECEPTACLE T/D RM 1E130	2	0.36	20	1	A	20	1	0.36	2	RECEPTACLE T/D RM. 1C900	8
9	RECEPTACLE T/D RM 1E130	2	0.36	20	1	B	20	1	0.72	2	RECEPTACLE ELEC. RM 1D403/405	10
11	RECEPTACLE T/D RM 1E130	2	0.36	20	1	C	20	1	0.36	2	RECEPTACLE ELEC. RM. 1D801	12
13	RECEPTACLE T/D RM 1B235	2	0.36	20	1	A	20	1	0.36	2	RECEPTACLES ELEC. RM 1B237	14
15	RECEPTACLE T/D RM 1B235	2	0.36	20	1	B	20	1	1.08	2	RECEPTACLES T/D RM 1B235	16
17	RECEPTACLE T/D RM 1B235	2	0.36	20	1	C	20	1	0.72	2	RECEPTACLES T/D RM 1B235	18
19	SPARE		0.00	20	1	A	20	1	1.08	2	RECEPTACLES ELEC RM 1B175	20
21	SPARE		0.00	20	1	B	20	1	0.36	2	RECEPTACLES ELEC RM 1B175	22
23	SPARE	--	0.00	20	1	C	20	1	0.72	2	RECEPTACLES T/D RM 1E130	24
25	SPARE	--	0.00	20	1	A	20	1	0.36	2	RECEPTACLE T/D RM 1C900	26
27	SPARE	--	0.00	20	1	B	20	1	0.36	2	RECEPTACLE T/D RM 1C900	28
29	SPARE	--	0.00	20	1	C	20	1	0.36	2	RECEPTACLE T/D RM 1C900	30
31	SPARE	--	0.00	20	1	A	20	1	0.00	--	SPARE	32
33	SPARE	--	0.00	20	1	B	30	1	0.00	--	SPARE	34
35	SPARE	--	0.00	20	1	C	20	1	0.00	--	SPARE	36
37	SPARE	--	0.00	20	1	A	100	3	18.00	7	PANEL '1E3	38
39	SPARE	--	0.00	20	1	B			18.00	7	*	40
41	SPARE	--	0.00	20	1	C			18.00	7	*	42
LOAD PER PHASE			1.08 A=	1.08 B=	1.08 C=	20.52 C=		20.88 B=	21.06 C=			
LOAD TYPE (NUMBER)			0	1	2	3	4	5	6	7		
LOAD TYPE (DESCRIPTION)			P.Rm.Lt	Lighting	Receps	Motors	L. Mot.	Kitch	Elevator	Equip	Total	
TOTAL CONNECTED LOAD (KVA)			0.00	0.00	11.70	0.00	0.00	0.00	0.00	54.00	65.70	
DEMAND MULTIPLIER:			1.00	1.25	formula*	1.00	1.25	1.00	1.00	1.00		
TOTAL DESIGN LOAD			0.00	0.00	10.85	0.00	0.00	0.00	0.00	54.00	64.85	KVA
TOTAL AMPS			0.0	0.0	30.1	0.0	0.0	0.0	0.0	150.0	180.1	AMPS
TRANS PRIMARY 'TED' (1EE2)												29
formula* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load - 10) * .5) +10, Else Demand Load equals Connected Load.												90

Panel: (E) '1RB3' (1YE)				Main: 150 Amps								
Bus Rating: 225 AMPS				Volts: 208/120V								
Enclosure: SURFACE				Phase: 3								
AIC RATING: 10,000 AIC				Wires: 4								
Ckt	Description	Load Type	Load (kVA)	DC Device Amps	Poles	Phase	DC Device Amps	Poles	Load (kVA)	Load Type	Description	Ckt
1	RECEPTACLE	7	4.20	50*	2	A	20	1	0.00	2	SPARE	2
3		7	4.20	—	2	B	20	1	2.00	5	RECEPTACLE	4
5	RECEPTACLE	7	4.20	50*	2	C	20	1	2.00	5	RECEPTACLE	6
7		7	4.20	—	2	A	20	1	2.00	5	RECEPTACLE	8
9	RECEPTACLE	5	2.00	20*	1	B	20	1	2.00	5	RECEPTACLE	10
11	RECEPTACLE	5	2.00	20*	1	C	20	1	2.00	5	RECEPTACLE	12
13	RECEPTACLE	5	0.40	20*	1	A	20	1	0.40	5	RECEPTACLE	14
15	RECEPTACLE	5	1.10	20*	1	B	20	1	0.20	5	RECEPTACLE	16
17	RECEPTACLE	5	1.10	20*	1	C	20	1	0.20	5	RECEPTACLE	18
19	EXIT LIGHT SIGNS	1	0.04	20*	1	A	20*	1	0.00	—	SPARE	20
21	SPARE	7	1.00	20*	1	B	20*	1	0.00	—	SPARE	22
23	SPARE	7	1.00	20*	1	C	20*	1	0.00	—	SPARE	24
25	SPACE	—	0.00	—	2	A	—	1	0.00	—	SPACE	26
27	SPACE	—	0.00	—	2	B	—	1	0.00	—	SPACE	28
29	SPACE	—	0.00	—	2	C	—	1	0.00	—	SPACE	30
31	SPACE	—	0.00	—	2	A	—	1	0.00	—	SPACE	32
33	SPACE	—	0.00	—	2	B	—	1	0.00	—	SPACE	34
35	SPACE	—	0.00	—	2	C	—	1	0.00	—	SPACE	36
37	SPACE	—	0.00	—	1	A	80	3	2.20	1	LIGHTING CONTROL PANEL	38
39	SPACE	—	0.00	—	1	B	—	3	2.20	1	LIGHTING CONTROL PANEL	40
41	SPACE	—	0.00	—	1	C	—	3	2.20	1	LIGHTING CONTROL PANEL	42
LOAD PER PHASE				8.84 A	8.30 B	8.30 C	4.60 A	6.40 B	6.40 C			
				A=	13.44	B=	14.70	C=	14.70			
LOAD TYPE (NUMBER)		0	1	2	3	4	5	6	7			
LOAD TYPE (DESCRIPTION)		P.Rm.Lt	Lighting	Receps	Motors	L. Mot.	Kitch	Elevator	Equip	Total		
TOTAL CONNECTED LOAD (KVA)		0.00	6.64	0.00	0.00	0.00	17.40	0.00	18.80	42.84		
DEMAND MULTIPLIER:		1.00	1.25	formula*	1.00	1.25	1.00	1.00	1.00			
TOTAL DESIGN LOAD		0.00	8.30	0.00	0.00	0.00	17.40	0.00	18.80	44.50	KVA	
TOTAL AMPS		0.0	23.1	0.0	0.0	0.0	48.3	0.0	52.2	123.6	AMPS	
ALLOWABLE LOAD												120
* EXISTING CIRCUIT BREAKER												
** NEW CIRCUIT BREAKER												
***NEW LOAD ADDED												
formula* Type 2 (receptacles) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is ((Connected Load - 10) * .5) +10, Else Demand Load equals Connected Load.												

Panel: (N) '1EC1' LAB CRITICAL POWER										Main: 225 Amps		
Bus Rating: 225 AMPS										Volts: 208/120V		
Enclosure: SURFACE										Phases: 3		
AIC RATING: 10,000 AIC										Wires: 4		
Ckt	Description	Load Type	Load (kVA)	DC Amps	Poles	Phase	DC Amps	Poles	Load (kVA)	Load Type	Description	Ckt
1	E218 SPEC. PROCESSING	7	1.80	50	2	A	20	1	0.00	7	SPARE	2
3		7	1.80	-	2	B	15	1	1.80	7	E335 LAB WORK AREA	4
5	E220 HEMATOLOGY	7	1.10	20	1	A	20	1	1.00	7	E358, C, O SPECIAL CHEM.	6
7	E304 HEMATOLOGY	7	0.40	20	1	A	20	1	1.70	7	E268 BLOOD BANK	7
9	E268 BLOOD BANK	7	1.80	20	1	B	20	1	0.50	7	E227, H20	10
11	E219 SPEC. PROCESSING	7	2.40	30	1	C	20	1	0.30	7	E270 BLOOD BANK	12
13	E222 BLOOD BANK	7	1.50	20	1	A	20	1	1.00	7	E223 BLOOD BANK	14
15	E315 HISTOLOGY	7	0.40	20	1	B	20	1	1.10	7	E221, E340, E267, E221C BLOOD BNK	16
17	E320 REFRIG. HISTOLOGY	7	0.80	20	1	C	20	1	1.50	7	E245 CHEMISTRY	18
19	E215, REFRIG. LAB WORK	7	1.20	20	1	A	20	1	1.50	7	E245 SPEC. PROCESSING	20
21	E217, REFRIG. LAB WORK	7	1.20	20	1	B	20	1	1.10	7	E262 URANALYSIS	22
23	E200 REFRIG. LOUNGE	7	1.50	20	1	C	20	1	1.10	7	E339C, E258 COAG	24
25	E245 URANALYSIS	7	1.50	15	1	A	20	1	1.80	7	E305 SPEC. PROCESSING	26
27	E228, E230, E203 STAINING RM	7	1.00	20	1	B	20	1	1.50	7	E245 SPEC. PROCESSING	28
29	E297, E234 STAINING RM	7	1.00	20	1	C	20	2	1.00	7	TEL CLOSET 1C900	30
31	E341 (2) HISTOLOGY	7	1.40	20	1	A		1	1.00	7	TEL CLOSET 1C900	32
33	RCPT. SPECIMEN COLLECTION	2	0.90	20	1	B	20	2	1.00	7	TEL CLOSET 1C302	34
35	RCPT. SPECIMEN COLLECTION	2	0.72	20	1	C		1	1.00	7	TEL CLOSET 1C302	36
37	RCPT. SPECIMEN COLLECTION	2	1.08	20	1	A	20	1	1.44	2	COMPUTER RECEPT. MICRO-BIO	38
39	RCPT. LAB WORKAREA	2	0.36	20	1	B	20	1	1.26	2	COMPUTER RECEPT. MICRO-BIO	40
41	RCPT. LAB WORKAREA	2	0.54	20	1	C	20	1	1.08	2	COMPUTER RECEPT. MICRO-BIO	42
LOAD PER PHASE			8.88	7.46	8.06	8.44			8.16	6.98		
			A	B	C	A			B	C		
			A=	B=	C=	A=			B=	C=		
			AS1-1	17.32	15.62	AS1-1			15.04	AS1-1		
LOAD TYPE (NUMBER)			0	1	2	3	4	5	6	7		
LOAD TYPE (DESCRIPTION)			P.Rm.Lt	Lighting	Reps	Motors	L. Mot.	Kitch	Elevator	Equip	Total	
TOTAL CONNECTED LOAD (KVA)			0.00	0.00	6.48	0.00	0.00	0.00	0.00	40.60	47.08	AS1-1
DEMAND MULTIPLIER:			1.00	1.25	AS1-1 formula*	1.00	1.25	1.00	1.00	1.00		
TOTAL DESIGN LOAD			0.00	0.00	6.48	0.00	0.00	0.00	0.00	40.60	47.08	KVA AS1-1
TOTAL AMPS			0.0	0.0	AS1-1 18.0	0.0	0.0	0.0	0.0	112.8	130.8	AMPS
ALLOWABLE LOAD 180												
formulator												
formulator 2 (recaptches) formula is as follows: If the Total Connected Load is greater than 10KVA, Then the demand load is (Connected Load - 10) * .5) +10, Else Demand Load equals Connected Load.												





**HOUSING AND CANOPY:** ALUMINUM (CAST OR EXTRUDED).

**DOOR FRAME:** HINGED WITH LATCH; CAST OR EXTRUDED ALUMINUM.

**FINISH:** SATIN OR BRUSHED ALUMINUM.

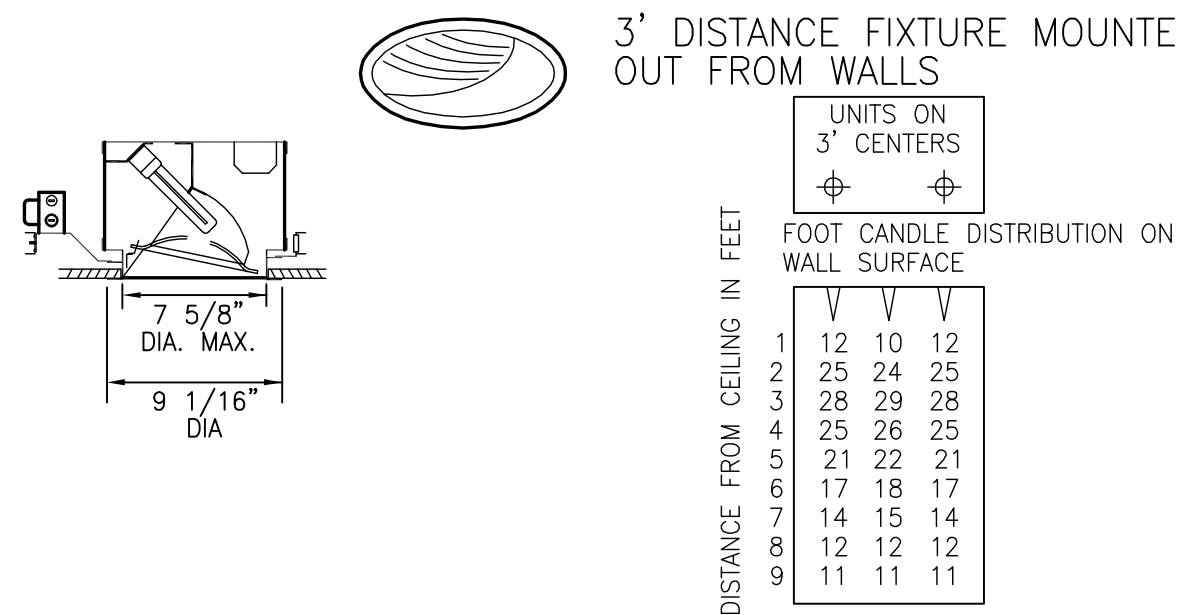
**INSCRIPTION PANEL(S):** LUMINOUS, RED, COLOR STABLE PLASTIC OR FIBERGLASS WITH 6 INCH WHITE LETTERS.

**LAMPS:** SHALL HAVE LUMINOUS RED LEDS; 6 INCH HIGH RED LETTERS; MINIMUM 108 LEDS PER FACE; LED'S RATED MINIMUM 20 YEARS LIFE; MAXIMUM 6.7 WATTS PER FIXTURE; ON CAST OR ALUMINUM 0.090 INCH THICK STAMPED ALUMINUM STENCIL FACE BACKED WITH RED COLOR STABLE PLASTIC OR FIBERGLASS.

**TYPE A:** FIXTURE SHALL BE DOUBLE FACED TYPE.

**NOTE:** FURNISH FIXTURES WITH DIRECTIONAL ARROWS ON DRAWINGS AND WIRED FOR 277-VOLT OPERATION. DIMENSIONS SHOWN ARE APPROXIMATE, BUT SHOULD BE ADHERED TO AS CLOSELY AS POSSIBLE.

**9** **FIXTURE TYPE N5**  
**E7.11** **END-WALL MOUNTED EXIT LIGHT** (N.T.S.)



**HOUSING:** STEEL, MIN .035" THICK; TOP WIRING COMPARTMENT; PREWIRED TO ATTACHED FEED THROUGH BOX; DETACHABLE PLASTER FRAME AND UNIVERSAL BAR HINGES. APERTURE 7". APERTURE DIAMETER MUST MATCH N1 AND N1A FIXTURES.

**REFLECTOR:** SPECULAR ALZAK WITH LOW IRIDESCENT FINISH.

**TRIM FRAME LENS, DOOR:** DIRECTIONAL PRISMATIC GLASS SPREAD LENS, STEEL OR ALUMINUM; TORSION SPRING RETAINED FOR RELAMPING.

**FINISHES:** HOUSING; BAKED WHITE ENAMEL; TRIM SATIN WHITE ENAMEL.

**LAMPS:** TWO 26 WATT COMPACT FLUORESCENT LAMPS.

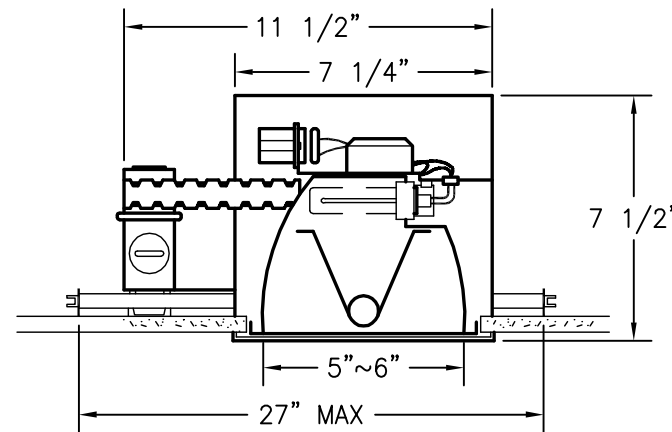
**BALLAST:** INTEGRAL HPF, ENCAPSULATED BALLAST.

**VOLTAGE:** 277 VOLTS.

**DISTRIBUTION:** PHOTOMETRIC DATA CERTIFIED BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.

**WIRING:** THIS FIXTURE MAY BE USED IN BOTH HARD-WIRE AND SOFT-WIRE APPLICATIONS. WHERE SHOWN SOFT-WIRED, PROVIDE CONNECTION RECEPTACLE ON FIXTURE. VERIFY CEILING SPACE CONDITIONS. PROVIDE END MOUNTED RECEPTACLE WHERE PLENUM HEIGHT IS LIMITED.

**7** **FIXTURE TYPE N3 WALL WASHER**  
**E7.11** **COMPACT FLUORESCENT** (N.T.S.)



**NOTE:** CEILING CUTOOT = 6 3/4"  
MOUNTING FRAME: DIE-FORMED STEEL, 20 GA GALV FINISH.

**HOUSING:** STEEL, MIN .035" THICK; TOP WIRING COMPARTMENT; PREWIRED TO ATTACHED FEED THROUGH BOX; DETACHABLE PLASTER FRAME AND UNIVERSAL BAR HINGES. FOR USE IN WET LOCATIONS.

**REFLECTOR:** SPECULAR ALZAK WITH LOW IRIDESCENT FINISH.

**LENS, DOOR TRIM FRAME:** STEEL OR ALUMINUM; TORSION SPRING RETAINED FOR RELAMPING.

**APERTURE:** APERTURE NOT TO EXCEED 5".

**FINISHES:** HOUSING; BAKED WHITE ENAMEL; TRIM SATIN WHITE ENAMEL.

**LAMPS:** TWO HORIZONTAL 13 WATT COMPACT FLUORESCENT LAMPS.

**BALLAST:** INTEGRAL HPF, BALLAST.

**VOLTAGE:** 277 VOLTS.

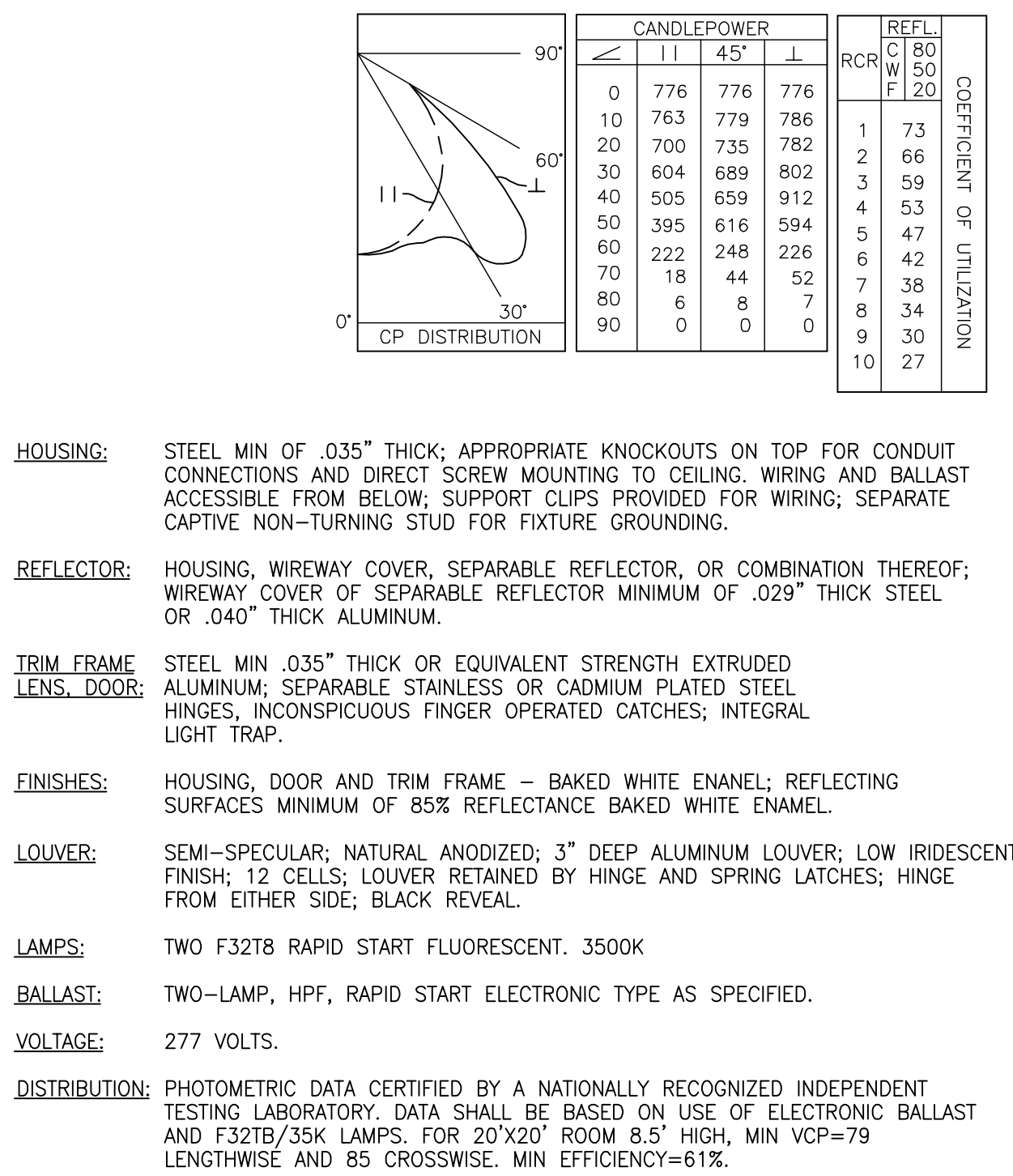
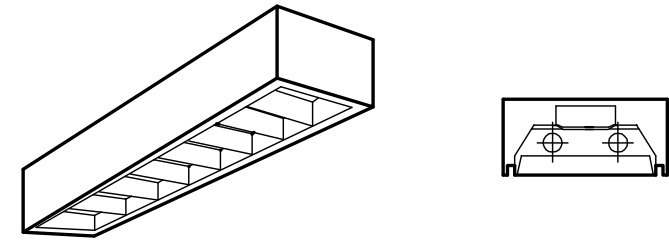
**DISTRIBUTION:** PHOTOMETRIC DATA CERTIFIED BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.

**WIRING:** THIS FIXTURE MAY BE USED IN BOTH HARD-WIRE AND SOFT-WIRE APPLICATIONS. WHERE SHOWN SOFT-WIRED, PROVIDE CONNECTION RECEPTACLE ON FIXTURE. VERIFY CEILING SPACE CONDITIONS. PROVIDE END MOUNTED RECEPTACLE WHERE PLENUM HEIGHT IS LIMITED.

**TYPE A:** SAME AS N1 EXCEPT 18 WATT LAMPS. 3500K

**TYPE B:** SAME AS N1 EXCEPT 26 WATT LAMPS.

**5** **FIXTURE TYPE N1 COMPACT**  
**E7.11** **FLUORESCENT DOWNLIGHT** (N.T.S.)



**HOUSING:** STEEL MIN OF .035" THICK; APPROPRIATE KNOCKOUTS ON TOP FOR CONDUIT CONNECTIONS AND DIRECT SCREW MOUNTING TO CEILING. WIRING AND BALLAST ACCESSIBLE FROM BELOW; SUPPORT CLIPS PROVIDED FOR WIRING; SEPARATE CAPTIVE NON-TURNING STUD FOR FIXTURE GROUNDING.

**REFLECTOR:** HOUSING, WIREWAY COVER, SEPARABLE REFLECTOR, OR COMBINATION THEREOF; WIREWAY COVER OF SEPARABLE REFLECTOR MINIMUM OF .029" THICK STEEL OR .040" THICK ALUMINUM.

**TRIM FRAME LENS, DOOR:** STEEL MIN .035" THICK OR EQUIVALENT STRENGTH EXTRUDED ALUMINUM; SEPARABLE STAINLESS OR CADMIUM PLATED STEEL HINGES, INCONSPICUOUS FINGER OPERATED CATCHES; INTEGRAL LIGHT TRAP.

**FINISHES:** HOUSING, DOOR AND TRIM FRAME — BAKED WHITE ENAMEL; REFLECTING SURFACES MINIMUM OF 85% REFLECTANCE BAKED WHITE ENAMEL.

**LOUVER:** SEMI-SPECULAR, NATURAL ANODIZED; 3" DEEP ALUMINUM LOUVER; LOW IRIDESCENT FINISH; 12 CELLS; LOUVER RETAINED BY HINGE AND SPRING LATCHES; HINGE FROM EITHER SIDE; BLACK REVEAL.

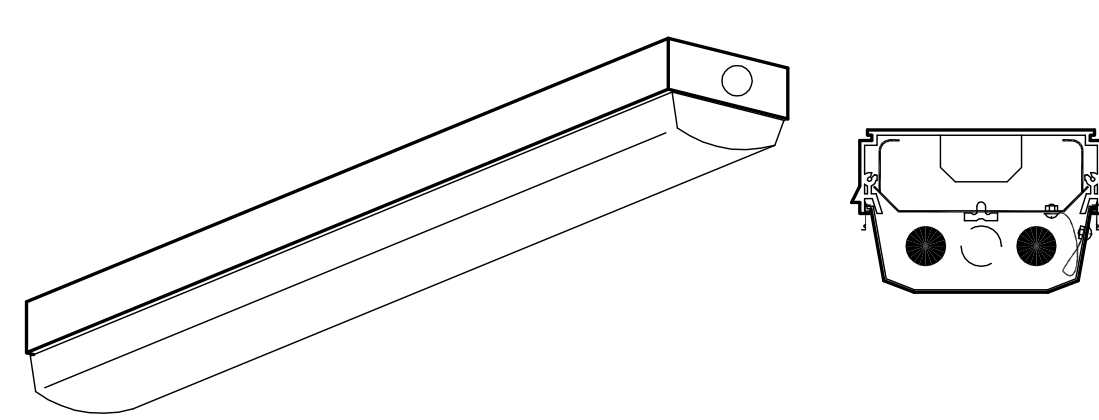
**LAMPS:** TWO F32T8 RAPID START FLUORESCENT, 3500K

**BALLAST:** TWO-LAMP, HPF, RAPID START ELECTRONIC TYPE AS SPECIFIED.

**VOLTAGE:** 277 VOLTS.

**DISTRIBUTION:** PHOTOMETRIC DATA CERTIFIED BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY. DATA SHALL BE BASED ON USE OF ELECTRONIC BALLAST AND F40T12/SP35 LAMPS. FOR 20'X20' ROOM 8.5' HIGH, MIN VCP=79 LENGTHWISE AND 85 CROSSWISE. MIN EFFICIENCY=61%.

**3** **FIXTURE TYPE F15 1'X4'**  
**E7.11** **SURFACE MOUNTED PARABOLIC** (N.T.S.)



**HOUSING:** PREMIUM GRADE EXTRUDED ALUMINUM WITH DIE CAST ALUMINUM END CAPS. 7/8" AND 3/8" KNOCKOUTS ON BACK FOR STEM ROD HANGER OR DIRECT CEILING MOUNTING. 7/8" KNOCKOUT AT EACH END. CLOSED CELL NEOPRENE GASKETING BONDED IN U-CHANNEL TO FORM CONTINUOUS SEAL OF DIFFUSER. VAPOR TIGHT. DIFFUSER HELD FIRMLY TO HOUSING BY SIX POSITIVE LOCK CAM ACTION LATCHES, TEN ON EIGHT FOOT UNIT.

**FINISH:** ELECTROSTATICALLY APPLIED BAKED WHITE POLYESTER POWDER ENAMEL FINISH. MINIMUM REFLECTANCE 90%. MULTI-STAGE CLEANING CYCLE, IRON PHOSPHATE COATING WITH RUST INHIBITOR.

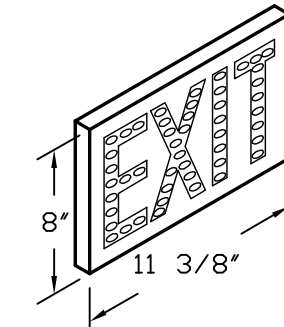
**LENS:** 100% VIRGIN ACRYLIC AND INTERNAL PRISMS. LENS RETAINED BY SAFETY SUSPENSION CABLE.

**LAMPS:** TWO F32T8 RAPID START FLUORESCENT LAMPS PER 4' SECTION, 3500K.

**BALLAST:** HPF, RAPID START, ELECTRONIC TYPE.

**VOLTAGE:** 277 VOLTS.

**1** **FIXTURE TYPE F12 8" x 4'**  
**E7.11** **SURFACE-ENCLOSED & GASKETED** (N.T.S.)



**HOUSING:** ALUMINUM (CAST OR EXTRUDED).

**DOOR FRAME:** HINGED AND LATCHED; CAST OR EXTRUDED ALUMINUM.

**FINISH:** SATIN OR BRUSHED ALUMINUM.

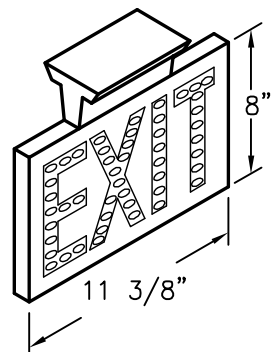
**INSCRIPTION PANEL:** LUMINOUS, RED COLOR STABLE PLASTIC OR FIBERGLASS WITH 6" WHITE LETTERS.

**LAMPS:** SHALL HAVE LUMINOUS RED LEDS; 6 INCH HIGH RED LETTERS; MINIMUM 108 LEDS PER FACE; LED'S RATED MINIMUM 20 YEARS LIFE; MAXIMUM 6.7 WATTS PER FACE; ON CAST OR ALUMINUM 0.090 INCH THICK STAMPED ALUMINUM STENCIL FACE BACKED WITH RED COLOR STABLE PLASTIC OR FIBERGLASS.

**TYPE A:** WEATHERPROOF TYPE SIGN.

**NOTE:** FURNISH ABOVE FIXTURES WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS AND WIRED FOR 277-VOLT OPERATION. DIMENSIONS SHOWN ARE APPROXIMATE, BUT SHOULD BE ADHERED TO AS CLOSELY AS POSSIBLE.

**10** **FIXTURE TYPE N6**  
**E7.11** **WALL MOUNTED EXIT LIGHT** (N.T.S.)



**HOUSING AND CANOPY:** ALUMINUM (CAST OR EXTRUDED).

**DOOR FRAME:** HINGED WITH LATCH; CAST OR EXTRUDED ALUMINUM.

**FINISH:** SATIN OR BRUSHED ALUMINUM.

**INSCRIPTION PANEL(S):** LUMINOUS, RED, COLOR STABLE PLASTIC OR FIBERGLASS WITH 6 INCH WHITE LETTERS.

**LAMPS:** SHALL HAVE LUMINOUS RED LEDS; 6 INCH HIGH RED LETTERS; MINIMUM 108 LEDS PER FACE; LED'S RATED MINIMUM 20 YEARS LIFE; MAXIMUM 6.7 WATTS PER FACE; ON CAST OR MINIMUM 0.090 INCH THICK STAMPED ALUMINUM STENCIL FACE BAKED WITH RED COLOR STABLE PLASTIC OR FIBERGLASS.

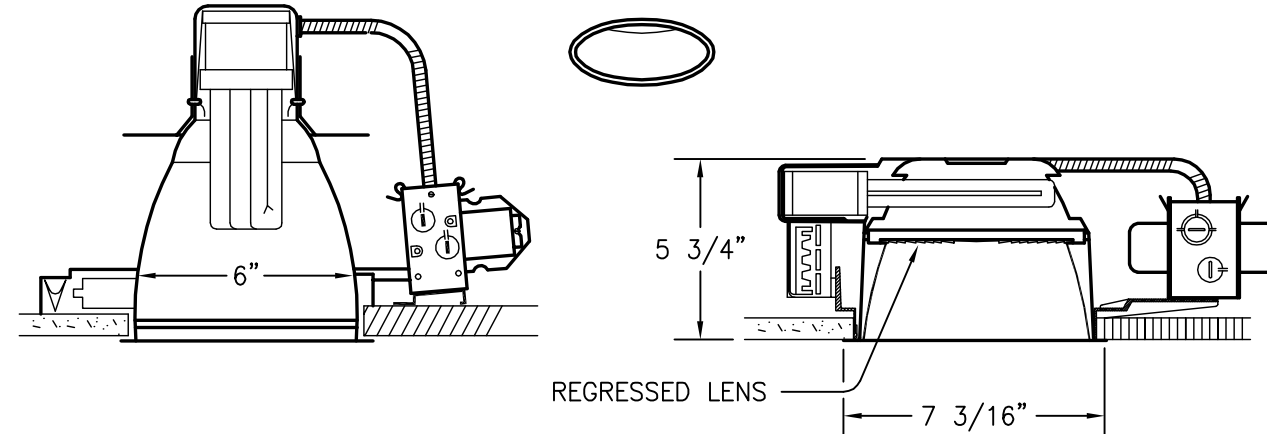
**VOLTAGE:** 277 VOLTS.

**TYPE A:** FIXTURE SHALL BE DOUBLE FACED TYPE.

**TYPE B:** INCLUDES EMERGENCY BATTERY PACK.

**NOTE:** FURNISH ABOVE FIXTURES WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS AND WIRED FOR 277-VOLT OPERATION. DIMENSIONS SHOWN ARE APPROXIMATE, BUT SHOULD BE ADHERED TO AS CLOSELY AS POSSIBLE.

**8** **FIXTURE TYPE N4**  
**E7.11** **CEILING MOUNTED EXIT LIGHT** (N.T.S.)



**TYPE N2**

**HOUSING:** ALUMINUM, MIN .035" THICK; TOP WIRING COMPARTMENT; PREWIRED TO ATTACHED FEED THROUGH BOX; DETACHABLE PLASTER FRAME AND UNIVERSAL BAR HINGES. LISTED FOR USE IN WET LOCATIONS.

**REFLECTOR:** HIGH GLOSS WHITE.

**LENS, DOOR TRIM FRAME:** STEEL OR ALUMINUM; TORSION SPRING RETAINED FOR RELAMPING.

**LENS:** FRESNEL LENS, IN DEEP CONE, FULLY GASKETED.

**FINISHES:** HOUSING; BAKED WHITE ENAMEL; TRIM SATIN WHITE ENAMEL.

**LAMPS:** TWO 13 WATT COMPACT FLUORESCENT LAMPS.

**BALLAST:** INTEGRAL HPF, ENCAPSULATED BALLAST.

**VOLTAGE:** 277 VOLTS.

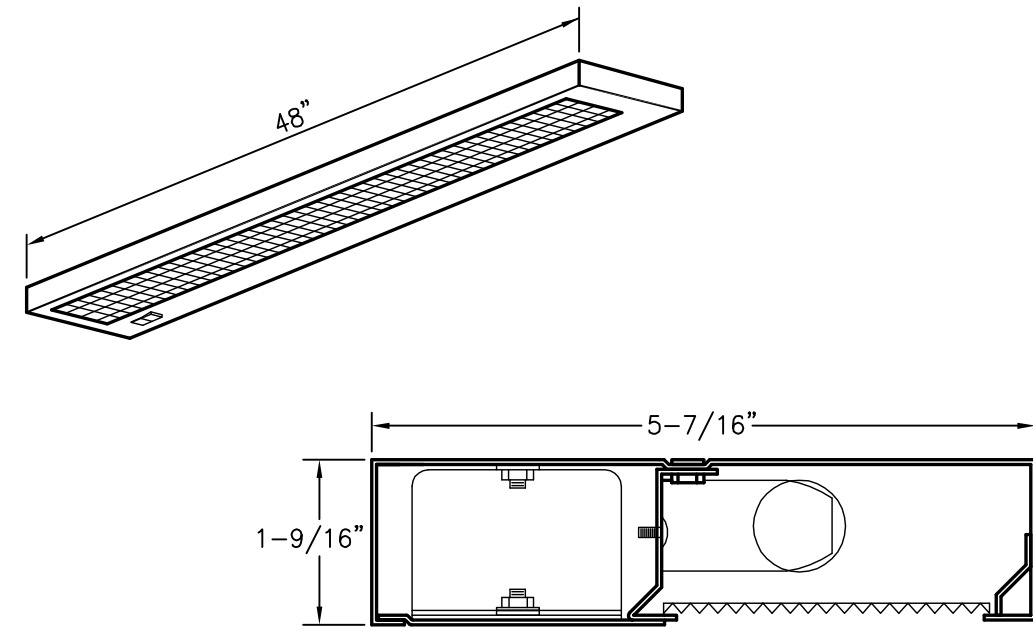
**DISTRIBUTION:** PHOTOMETRIC DATA CERTIFIED BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.

**WIRING:** THIS FIXTURE MAY BE USED IN BOTH HARD-WIRE AND SOFT-WIRE APPLICATIONS. WHERE SHOWN SOFT-WIRED, PROVIDE CONNECTION RECEPTACLE ON FIXTURE. VERIFY CEILING SPACE CONDITIONS. PROVIDE END MOUNTED RECEPTACLE WHERE PLENUM HEIGHT IS LIMITED.

**TYPE A:** SAME AS ABOVE EXCEPT WITH HORIZONTAL LAMPS, REGRESSED LENS SPECULAR ALZAK REFLECTOR AND TWO F18 WATT COMPACT FLUORESCENT LAMPS. NOT NECESSARY FOR WET LOCATION.

**TYPE B:** SAME AS N2 EXCEPT WITH GASKETED LENS FOR WET LOCATION.

**6** **FIXTURE TYPE N2**  
**E7.11** **FRESNEL LENS FIXTURE** (N.T.S.)



**HOUSING:** SURFACE, 20 GAUGE COLD ROLLED STEEL CONSTRUCTION ALL EXPOSED EDGES FREE OF BURRS. NO VISIBLE FASTENERS.

**FINISH:** WHITE POLYESTER RESIN POWD COAT APPLIED AFTER FABRICATION OVER A BINDERIZING IRON PHOSPHATE COATING. MINIMUM 87% REFLECTIVITY.

**LENS:** STANDARD CLEAR PRISMATIC LENS SECURITY HELD IN PLACE WITH RETENTION CLIP.

**LAMPS:** ONE F17T8, F25T8 OR RAPID START FLUORESCENT

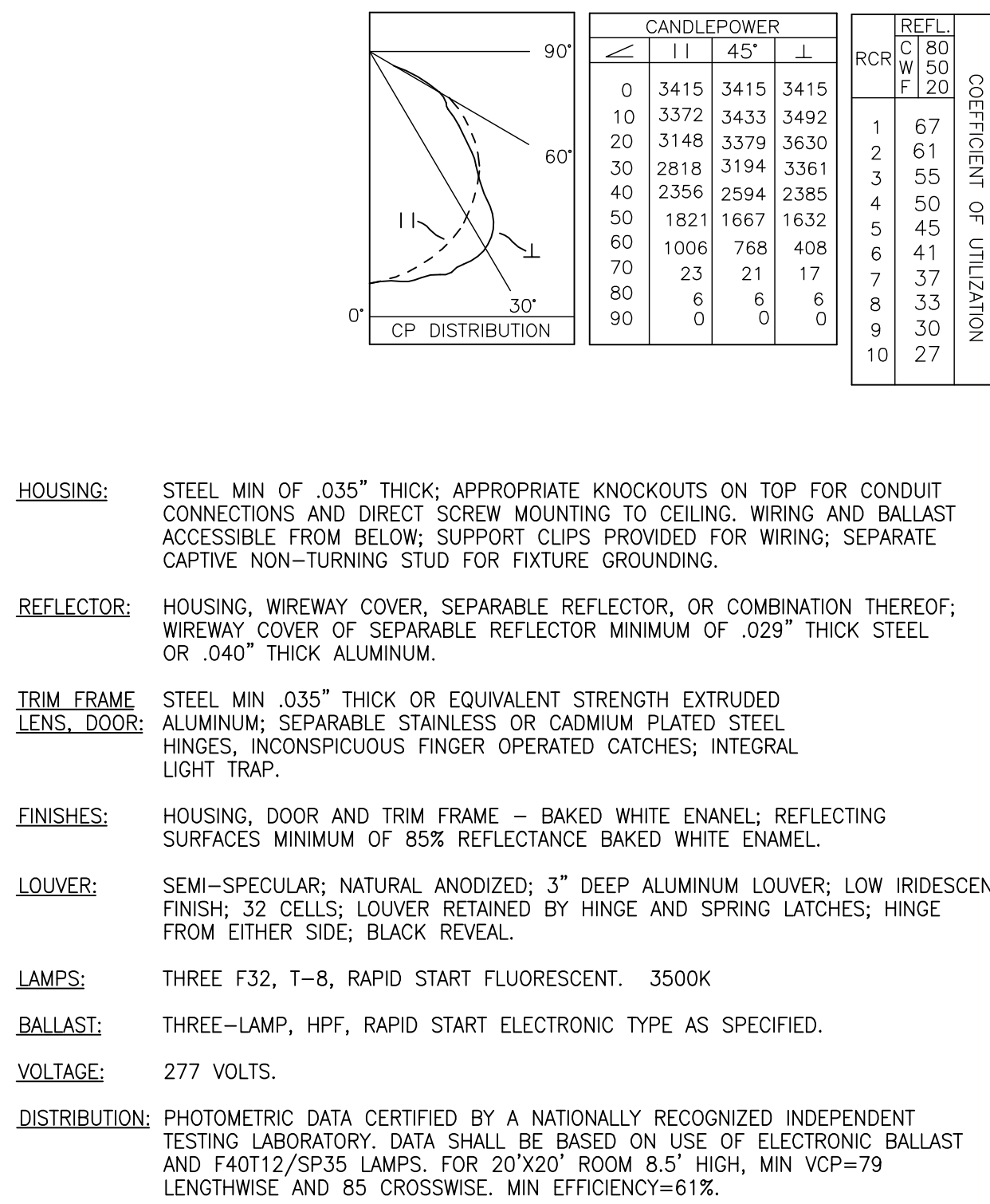
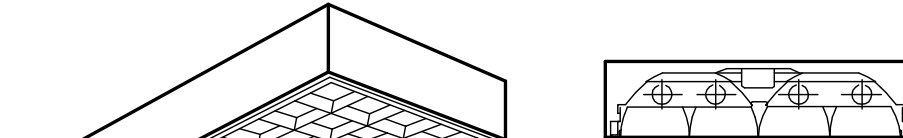
**BALLAST:** RAPID START, ELECTRONIC AS SPECIFIED.

**VOLTAGE:** 120 VOLT

**SWITCH:** INCLUDE INTEGRAL SWITCH

**NOTE:** PROVIDE 2, 3 AND 4FT TASK LIGHT AS INDICATED.

**4** **FIXTURE TYPE F16**  
**E7.11** **TASK LIGHT** (N.T.S.)



**HOUSING:** STEEL MIN OF .035" THICK; APPROPRIATE KNOCKOUTS ON TOP FOR CONDUIT CONNECTIONS AND DIRECT SCREW MOUNTING TO CEILING. WIRING AND BALLAST ACCESSIBLE FROM BELOW; SUPPORT CLIPS PROVIDED FOR WIRING; SEPARATE CAPTIVE NON-TURNING STUD FOR FIXTURE GROUNDING.

**REFLECTOR:** HOUSING, WIREWAY COVER, SEPARABLE REFLECTOR, OR COMBINATION THEREOF; WIREWAY COVER OF SEPARABLE REFLECTOR MINIMUM OF .029" THICK STEEL OR .040" THICK ALUMINUM.

**TRIM FRAME LENS, DOOR:** STEEL MIN .035" THICK OR EQUIVALENT STRENGTH EXTRUDED ALUMINUM; SEPARABLE STAINLESS OR CADMIUM PLATED STEEL HINGES, INCONSPICUOUS FINGER OPERATED CATCHES; INTEGRAL LIGHT TRAP.

**FINISHES:** HOUSING, DOOR AND TRIM FRAME — BAKED WHITE ENAMEL; REFLECTING SURFACES MINIMUM OF 85% REFLECTANCE BAKED WHITE ENAMEL.

**LOUVER:** SEMI-SPECULAR, NATURAL ANODIZED; 3" DEEP ALUMINUM LOUVER; LOW IRIDESCENT FINISH; 32 CELLS; LOUVER RETAINED BY HINGE AND SPRING LATCHES; HINGE FROM EITHER SIDE; BLACK REVEAL.

**LAMPS:** THREE F32, T-8, RAPID START FLUORESCENT. 3500K

**BALLAST:** THREE-LAMP, HPF, RAPID START ELECTRONIC TYPE AS SPECIFIED.

**VOLTAGE:** 277 VOLTS.

**DISTRIBUTION:** PHOTOMETRIC DATA CERTIFIED BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY. DATA SHALL BE BASED ON USE OF ELECTRONIC BALLAST AND F40T12/SP35 LAMPS. FOR 20'X20' ROOM 8.5' HIGH, MIN VCP=79 LENGTHWISE AND 85 CROSSWISE. MIN EFFICIENCY=61%.

**2** **FIXTURE TYPE F14 2'X4'**  
**E7.11** **SURFACE MOUNTED PARABOLIC** (N.T.S.)

Revisions		Date	Design Consultant		Keyplan		Drawing Title		Project Title		Project Number		Office of Facilities Management	
							<b>DETAILS - LIGHTING</b>		<b>VA/NCHCS SACRAMENTO MEDICAL CENTER MATHER, CALIFORNIA PHASE 2 - BUILDING 650 RENOVATION</b>		<b>612-101D</b>		<b>Office of Facilities Management</b>  Department of Veterans Affairs	
							Scale		Location		Building Name			
							Approved <b>MILAN SRKIC</b>		<b>PETER McCUEN BLVD. MATHER, CALIFORNIA</b>		<b>650</b>			
							Approved		Date <b>11/7/08</b>		Checked <b>RR</b>			
											Drawing Number <b>E7.11</b>			
											Scale			
							<b>FULLY SPRINKLERED</b>				Drawn <b>RAY</b>			