SWITCH 'MSB' SCHEDULE	(L)IGHTING			RECPT	(M)OTORS		KITCHN	HEAT	A/C	COMPUT EQUIP	WATER HEATER	OTHER	SPARE	SPACE	CONNECTED LOAD				
NO DESCRIPTION	L	T	E	R	G	M	K	H	A	C	W	O	S	P	KVA	AMP	POLES	SWTCH	FUSE
1 TRANSFORMER 'TD'		276													276	333	3	800	500
2 TRANSFORMER 'TP'	52	0	19	32	0	34	15	45	0	6	0	69	10	15	272	327	3		
3 PANEL '1M'	11	0	5	0	0	1	0	0	150	0	0	0	0	39	167	201	3	400	
4 PANEL '2M'	3	0	2	0	0	2	0	25	50	0	0	0	0	38	82	99	3	200	150
5 SWITCHBOARD 'CSB'	43	0	14	123	0	15	17	78	199	0	0	2	8	6	492	591	3	800	
6 SPARE														160	0	0	3	400	
TOTAL CONNECTED LOADS:	110	276	39	155	0	52	31	149	399	6	0	71	19	258	1289	1550			1600

LOAD DESCRIPTION	C_KVA	N_S_LD	A_KVA	A_AMPS	C_WPSF	DIV	D_KVA	D_AMP	D_WPSF
(L) LIGHTING	110	1.00	110	132	2.3	1.25	137	165	2.9
(T) TASK LIGHTING	276	1.00	276	333	5.8	1.25	346	416	7.2
(E) EXTERIOR LTG, SIGNS	39	1.00	39	47	0.8	1.25	49	59	1.0
(R) RECEPTACLES	155	1.00	155	187	3.2	0.53	83	99	1.7
(G) GROUPED MOTORS	0	1.00	0	0	0.0	1.00	0	0	0.0
(M) SINGLE MOTORS	52	1.00	52	63	1.1	1.00	52	63	1.1
(M) 25% LARGEST MOTOR						0.25	8	10	0.2
(K) KITCHEN EQUIPMENT	31	1.00	31	38	0.7	0.65	20	25	0.4
(H) HEAT: 149 kVA	149	0.25	37	45	0.8	1.00	37	45	0.8
(A) A/C EQUIP: 399 kVA	399	1.00	399	480	8.3	1.00	399	480	8.3
(C) COMPUTER EQUIPMENT	6	1.00	5.7	7	0.1	1.00	6	7	0.1
(W) WATER HEATERS	0	1.00	0	0	0.0	1.00	0	0	0.0
(O) OTHER	71	1.00	70.8	85	1.5	1.00	71	85	1.5
(S) SPARE: 19 kVA						1.00	19	22	0.4
(P) SPACE: 258 kVA							0.50	129	155	2.7
TOTALS:	1289		1177	1416	24.5		1356	1631	28

FILE INFORMATION
JOB NAME: ACC/ACT
LOCATION: ADDISON
SQUARE FT: 48000
JOB NUMBER: 90016
DESIGN BY: WMS
INPUT BY: MSS
FILE NO: 0016MSB

SUMMARY
3P, 4W, W/ GROUND BUS
VOLTAGE: 480Y/277
BRACING: 100 K AIC
MAINS: MLO
AMPS:
STATUS: NEW
TYPE:
MOUNTED: SURFACE
LOCATED: ELECTRIC ROOM
SERVED FROM: MAIN SERVICE
UPST. DEVICE: UTILITY COMP.

PRINT HISTORY	
DATE:	TIME:
08/16	14:13

ORIGINAL FORM: 6 Sep 88
LAST REVISION: 3 Aug 89
FORM NUMBER: 90005B03

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SWITCHBOARD 'CSB' SCHEDULE	(L)IGHTING			RECPT	(M)OTORS		KITCHN	HEAT	A/C	COMPUT EQUIP	WATER HEATER	OTHER	SPARE	SPACE	CONNECTED LOAD				
NO DESCRIPTION	L	T	E	R	G	M	K	H	A	C	W	O	S	P	KVA	AMP	POLES	SWTCH	FUSE
1 TRANSFORMER (PANEL 'A')	43	0	6	19	0	2	17	4	0	0	0	2	A.B	0	93	112	3		
2 PANEL '1M'	0	0	0	0	0	13	0	75	199	0	0	0	6	6	287	345	3		
3 TRANSFORMER (PANEL 'S')	0	0	8	104	0	0	0	0	0	0	0	0	6	6	112	134	3		
															0	0			
															0	0			
															0	0			
															0	0			
															0	0			
TOTAL CONNECTED LOADS:	43	0	14	123	0	15	17	78	199	0	0	2	17	12	492	591			

LOAD DESCRIPTION	C_KVA	N_S_LD	A_KVA	A_AMPS	C_WPSF	DIV	D_KVA	D_AMP	D_WPSF
(L) LIGHTING	43	1.00	43	52	2.9	1.25	54	65	3.6
(T) TASK LIGHTING	0	1.00	0	0	0.0	1.25	0	0	0.0
(E) EXTERIOR LTG, SIGNS	14	1.00	14	16	0.9	1.25	17	20	1.1
(R) RECEPTACLES	123	1.00	123	148	8.2	0.54	67	80	4.4
(G) GROUPED MOTORS	0	1.00	0	0	0.0	1.00	0	0	0.0
(M) SINGLE MOTORS	15	1.00	15	18	1.0	1.00	15	18	1.0
(M) 25% LARGEST MOTOR						0.25	3	4	0.2
(K) KITCHEN EQUIPMENT	17	1.00	17	20	1.1	0.65	11	13	0.7
(H) HEAT: 78 kVA	78	0.00	0	0	0.0	1.00	0	0	0.0
(A) A/C EQUIP: 199 kVA	199	1.00	199	240	13.3	1.00	199	240	13.3
(C) COMPUTER EQUIPMENT	0	1.00	0	0	0.0	1.00	0	0	0.0
(W) WATER HEATERS	0	1.00	0	0	0.0	1.00	0	0	0.0
(O) OTHER	2	1.00	2	2	0.1	1.00	2	2	0.1
(S) SPARE: 17 kVA						0.50	8	10	0.6
(P) SPACE: 12 kVA						0.50	6	7	0.4
TOTALS:	492		415	497	27.6		383	460	25.5

FILE INFORMATION
JOB NAME: ACC/ACT
LOCATION: ADDISON
SQUARE FT: 15000
JOB NUMBER: 89016
DESIGN BY: WMS
INPUT BY: WMS
FILE NO: 9016CSB

SUMMARY
3P, 4W, W/ GROUND BUS
VOLTAGE: 480Y/277
BRACING: 50000 K AIC
MAINS: MLO
AMPS: 800
STATUS: NEW
TYPE: - -
MOUNTED: SURFACE
LOCATED: COMP. CENTER E
SERVED FROM: 'MSB'
UPST. DEVICE: SWITCH

PRINT HISTORY	
DATE:	TIME:
08/16	14:13

ORIGINAL FORM: 6 Sep 88
LAST REVISION: 3 Aug 89
FORM NUMBER: 90005B03

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PANEL 'TDP' SCHEDULE	(L)IGHTING			RECPT	(M)OTORS		KITCHN	HEAT	A/C	COMPUT EQUIP	WATER HEATER	OTHER	SPARE	SPACE	CONNECTED LOAD				
NO DESCRIPTION	L	T	E	R	G	M	K	H	A	C	W	O	S	P	KVA	AMP	POLES	SWTCH	FUSE
1 AHU - 7						1		15							16	45	2	100	100
2 AHU - 8						1		15							16	45	2	100	100
3 AHU - 9						1		15							16	45	2	100	100
4 PANEL '1A'	23	0	8	12	0	5	0	0	0	0	0	2	9	5	50	138	3	400	250
5 PANEL 'TS'	0	0	0	0	0	24	0	0	0	0	0	39	0	8	62	173	3		
6 100 A IEC RECEPTACLE													25		25	69	3	100	100
7 PANEL '1B'	29	0	12	19	0	2	15	0		6		4	1	1.8	86	238	3	400	300
8															0	0			
9															0	0			
10															0	0			
TOTAL CONNECTED LOADS:	52	0	19	32	0	34	15	45	0	6	0	69	10	15	272	754			

LOAD DESCRIPTION	C_KVA	N_S_LD	A_KVA	A_AMPS	C_WPSF	DIV	D_KVA	D_AMP	D_WPSF
(L) LIGHTING	52	1.00	52.27	145	1.7	1.25	65	181	2.2
(T) TASK LIGHTING	0	1.00	0	0	0.0	1.25	0	0	0.0
(E) EXTERIOR LTG, SIGNS	19	1.00	19.08	53	0.6	1.25	24	66	0.8
(R) RECEPTACLES	32	1.00	31.6	88	1.1	0.66	21	58	0.7
(G) GROUPED MOTORS	0	1.00	0	0	0.0	1.00	0	0	0.0
(M) SINGLE MOTORS	34	1.00	33.86	94	1.1	1.00	34	94	1.1
(M) 25% LARGEST MOTOR						0.25	6	16	0.2
(K) KITCHEN EQUIPMENT	15	1.00	14.85	41	0.5	0.65	10	27	0.3
(H) HEAT: 45 kVA	45	1.00	45.3	126	1.5	1.00	45	126	1.5
(A) A/C EQUIP: 0 kVA	0	1.00	0	0	0.0	1.00	0	0	0.0
(C) COMPUTER EQUIPMENT	6	1.00	5.7	16	0.2	1.00	6	16	0.2
(W) WATER HEATERS	0	1.00	0	0	0.0	1.00	0	0	0.0
(O) OTHER	69	1.00	68.8	191	2.3	1.00	69	191	2.3
(S) SPARE: 10 kVA						1.00	10	28	0.3
(P) SPACE: 13 kVA						1.00	15	42	0.5
TOTALS:	272		272	754	0.0		305	845	10

FILE INFORMATION
JOB NAME: ACC/ACT
LOCATION: ADDISON
SQUARE FT: 30000
JOB NUMBER: 90016
DESIGN BY: WMS
INPUT BY: MSS
FILE NO: 0016TDP

SUMMARY
3P, 4W, W/ GROUND BUS
VOLTAGE: 208Y/120
BRACING: 50 K AIC
MAINS: MSW
AMPS: 900
STATUS: NEW
TYPE: CMS
MOUNTED: SURFACE
LOCATED: ELECTRIC ROOM
SERVED FROM: SWITCHBOARD 'M
UPST. DEVICE: TRANSFORMER

PRINT HISTORY	
DATE:	TIME:
08/16	14:13

ORIGINAL FORM: 6 Sep 88
LAST REVISION: 3 Aug 89
FORM NUMBER: 90005B03

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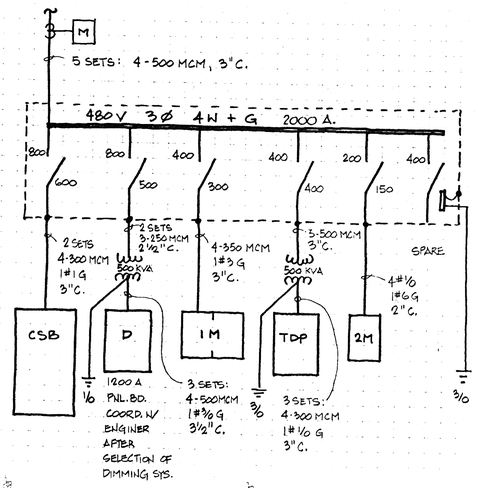
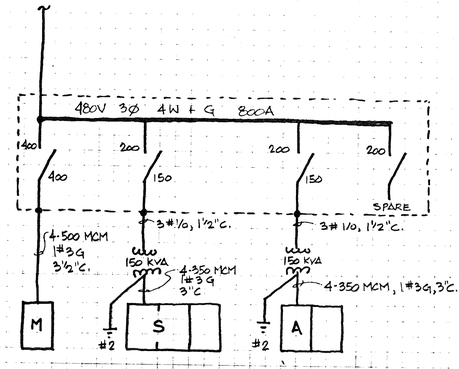
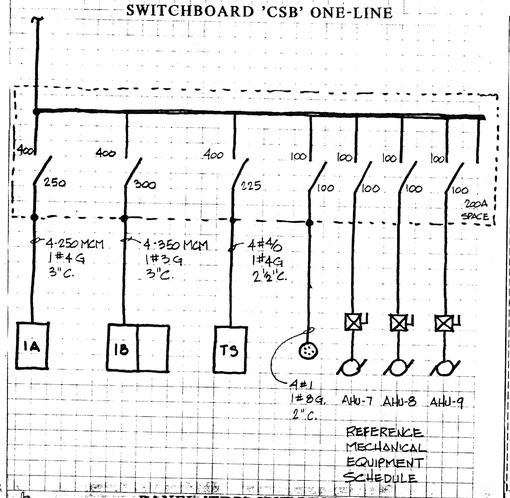


MAIN SWITCHBOARD 'MSB' ONE-LINE



SWITCHBOARD 'CSB' ONE-LINE



PANEL 'TDP' ONE-LINE

MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT PLAN MARK	DESCRIPTION /CATALOG NO.	MECHANICAL DATA LOCATION	VOLTS	PHASE	HP	RLA / FLA	XM CALC MCA	MANUF REC. MCA	MECH & ELEC DATA STARTER BY	STARTER SIZE	DISCONNECT BY	DISCONNECT SIZE	MAX OCPD SIZE	ELECTRICAL DATA SERVED FROM	WIRES	C
RTU-1	TRANE/SFHR-2?	1st ROOF	460	3		57		60.9	M		E	100	70	M-27/4/4	3#4, 1#8 G	1 1/4
	MOTOR	CONF CENT			10	14										
	EXH FAN					3										
	EXH FAN					3										
	COND FAN (3)					3										
	COMP RLA					12										
	COMP RLA					12										
	COMP RLA					12										
RTU-2	TRANE/SFHR-2?	1st ROOF	460	3		57		60.9	M		E	100	70	M-8/10/12	3#4, 1#8 G	1 1/4
	MOTOR	CONF CENT			10	14										
	EXH FAN					3										
	COND FAN (3)					3										
	COMPRESSOR					12										
	COMPRESSOR					12										
	COMPRESSOR					12										
RTU-3	TRANE/BYC100	1st ROOF	460	3		19		22.2	26	M		E	60	35	M-14/16/18	3#10, 1#10G	3/4
	MOTOR	CONF CENT		3	2	3										
	COND FAN			1		1										
	COMPRESSOR			3	7.5	14										
RTU-4	TRANE/BYC100	1st ROOF	460	3		19		22.2	26	M		E	60	35	M-20/22/24	3#10, 1#10G	3/4
	MOTOR	CONF CENT		3	2	3										
	COND FAN			1		1										
	COMPRESSOR			3	7.5	14										
RTU-5	TRANE/YCD075	1st ROOF	460	3		17		20.3	21	M		E	60	30	M-26/28/30	3#10, 1#10G	3/4
	MOTOR	CONF CENT		3	0.75	2										
	COND FAN			1	0.5	2										
	COMPRESSOR			3		13										
RTU-6	TRANE/BYC150	1st ROOF	460	3		30		32.6	33	M		E	60	40	M-32/34/36	3#8, 1#10G	1
	MOTOR	CONF CENT		3	3	A.2										
	COND FAN			1	0.5	2										
	COND FAN			1	0.5	2										
	COND FAN			1	1	2										
	COMPRESSOR			3	5	10										
	COMPRESSOR			3	5	10										
RTU-7	TRANE/SFHC-4?	1st ROOF	460	3		182		190.7		M		E	200	200		3#3/0, 1#6G	2
	MOTOR	NORTHWEST			20	27										
	MOTOR				20	27										
	EXHAUST FAN				10	14										
	EXHAUST FAN				10	14										
	COND FAN			3	1	7										
	COND FAN			3	1	7										
	COND FAN			3	1	7										
	COND FAN			3	1	7										
	COMPRESSOR					36										
	COMPRESSOR					36										
RTU-8	TRANE/SFHC-5?	1st ROOF	460	3		227		237.3		M		E	400	250		3#250 m, 1#4G	2+
	MOTOR	NORTHWEST			25	34										
	MOTOR				25	34										
	EXHAUST FAN				15	21										
	EXHAUST FAN				15	21										
	COND FAN			3	1	11										
	COND FAN			3	1	11										
	COND FAN			3	1	11										
	COND FAN			3	1	11										
	COND FAN			3	1	11										
	COMPRESSOR				7.5	11										
	COMPRESSOR				7.5	11										
	COMPRESSOR					43										
RTU-9	TRANE/BYC200	BOX OFFICE	460	3		34		36.6		M		E	60	40	1M-2/4/6	3#8, 1#10G	1
	MOTOR			3	5	6										
	MOTOR			3	5	6										
	COND FAN			1	1	2										
	COND FAN			1	1	2										
	COND FAN			1	1	2										
	COMPRESSOR				7.5	11										
	COMPRESSOR				7.5	11										
RTU-11	TRANE/YCD060A	1st ROOF	460	3		15		17.6		M		E	30	25	2M-2/4/6	3#10, 1#10G	3/4
	MOTOR	EAST		1	0.6	3										
	COND FAN			1		1										
	COMPRESSOR			3		11										
RTU-12	TRANE/YCD060A	1st ROOF	460	3		15		17.6		M		E	30	25	2M-8/10/12	3#10, 1#10G	3/4
	MOTOR	EAST		1	0.6	3										
	COND FAN			1		1										
	COMPRESSOR			3		11										
RTU-13	TRANE/YCD060A	1st ROOF	460	3		15		17.6		M		E	30	25	2M-14/16/18	3#10, 1#10G	3/4
	MOTOR	EAST		1	0.6	3										
	COND FAN			1		1										
	COMPRESSOR			3		11										
RTU-14	TRANE/YCD060A	1st ROOF	460	3		15		17.6		M		E	30	25	2M-20/22/24	3#10, 1#10G	3/4
	MOTOR	EAST		1	0.6	3										
	COND FAN			1		1										
	COMPRESSOR			3		11										
RTU-16	TRANE/YCD048A	1st ROOF	460	3		11		13.1		M		E	30	15	1M-8/10/12	3#12, 1#12G	1/2
	MOTOR	NORTHWEST		1	0.5	2										
	COND FAN			1	0.33	1										
	COMPRESSOR			3		8										
RTU-17	TRANE/YCD075A	1st ROOF	460	3		17		20.3	21	M		E	60	30	1M-14/16/18	3#10, 1#10G	3/4
	MOTOR	NORTHWEST		3	0.75	2										
	COND FAN			1	0.5	2										
	COMPRESSOR			3		13										
RTU-18	TRANE/YCD120	1st ROOF	460	3		24		29.1		M		E	60	40	1M-20/22/24	3#8, 1#10G	1
	MOTOR	NORTHWEST		3	2	3										
	COND FAN			1	1	3										
	COMPRESSOR					9										
	COMPRESSOR					9										
RTU-19	TRANE/YCD036A	1st ROOF	460	3		8		9.7		M		E	30	15	1M-26/28/30	3#12, 1#12G	1/2
	MOTOR	NORTHWEST		1	0.33	1										
	COND FAN			1	0.28	1										
	COMPRESSOR			3		6										
RTU-20	TRANE/YCD048A	1st ROOF	460	3		11		13.1		M		E	30	15	1M-32/34/36	3#12, 1#12G	1/2
	MOTOR	NORTHWEST			0.5	2										
	COND FAN			1	0.33	1										
	COMPRESSOR			3		8										
RTU-21	TRANE/YCD075A		460	3		17		20.3	21	M		E	60	30	1M-38/40/42	3#10, 1#10G	3/4
	MOTOR			3	0.75	2										
	COND FAN			1	0.5	2										
	COMPRESSOR			3		13										

RTU-22	TRANE/YCC030A	RECEP.	208-230	1		20		23.2		M		E	60	35		2#10, 1#10G	3/4
	MOTOR			1	0.25	3											
	COND FAN			1	0.25	2											
	COMPRESSOR			1	2.5	15											
RTU-23	TRANE/YCD060A	COMMUNITTE	208	3		28		32.9		M		E	60	50		3#6, 1#10G	1
	MOTOR	EAST		1	0.6	5											
	COND FAN			1		3											
	COMPRESSOR			3		20											
RTU-24	TRANE/YCD060A	COMMUNITTE	208	3		28		32.9		M		E	60	50		3#6, 1#10G	1
	MOTOR	EAST		1	0.6	5											
	COND FAN			1		3											
	COMPRESSOR			3		20											
RTU-25	TRANE/YCD060A	COMMUNITTE	208	3		28		32.9		M		E	60	50		3#6, 1#10G	1
	MOTOR	EAST		1	0.6	5											
	COND FAN			1		3											
	COMPRESSOR			3		20											
AHU-1	W/HEATING	CONF CENT	480	3	2	8	24.92	42		E		E	60	45	M-19/21/23	3#6, 1#10G	1
CU-1	TTA090A	CONF CENT				14		18				E	30	30	M-1/3/5	3#10, 1#10G	3/4
	COMPRESSOR		480	3		13											
	COND FAN		480	1		1											
AHU-2	W/HEATING	CONF CENT	480	3	2	8	24.92	42		E		E	60	45	M-25/27/29	3#6, 1#10G	1
CU-2	TTA090A	CONF CENT				14		18				E	30	30	M-7/9/11	3#10, 1#10G	3/4
	COMPRESSOR		480	3		13											
	COND FAN		480	1		1											
AHU-3	W/HEATING	CONF CENT	480	3	1.5	3	24.92	41		E		E	60	45	M-31/33/35	3#6, 1#10G	1
CU-3	TTA090A	CONF CENT				14		18				E	30	30	M-13/15/17	3#10, 1#10G	3/4
	COMPRESSOR		480	3		13											
	COND FAN		480	1		1											
AHU-4	W/HEATING	CONF CENT	208	1	0.25	1	3.6	17		E	M	E	20	20	A-77/79	2#12, 1#12G	3/4
CU-4	TTD712	CONF CENT				7		9				E	30	15	A-81/83	3#12, 1#12G	1/2
	COMPRESSOR		208	1		6											
	COND FAN		208	1		1											
AHU-5	W/HEATING	SHOP	480	3	1.5	3	24.92	41		E		E	60	45	1M-1/3/5	3#6, 1#10G	1
CU-5	TTA090A	1st ROOF				14		18				E	30	30	1M-7/9/11	3#10, 1#10G	3/4
	COMPRESSOR	NORTHWEST	480	3		13											
	COND FAN		480	1		1											
AHU-6	W/HEATING	DIMMER ROOM	480	3	1.5	3	24.92	41		E		E	60	45	2M-1/3/5	3#6, 1#10G	1
CU-6	TTA090A	LEVEL 1 NW				14		18				E	30	30	1M-19/21/23	3#10, 1#10G	3/4
	COMPRESSOR		480	3		13											
	COND FAN		480	1		1											
AHU-7	W/HEATING	BOX OFFICE 1st FLOOR	208	1	0.75	4	15	97		E		E	100	100		3#1, 1#8G	1 1/2
CU-7	TTA072	BOX OFFICE				12		14.3				E	30	20		1M-25/27/29	3#12, 1#12G	1/2
	COMPRESSOR	ROOF	480	3		10											
	COND FAN		480	1		2											
AHU-8	W/HEATING	BOX OFFICE 1st FLOOR	208	1	0.75	4	15	97		E		E	100	100		3#1, 1#8G	1 1/2
CU-8	TTA072	BOX OFFICE				12		14.3				E	30	20		1M-31/33/35	3#12, 1#12G	1/2
	COMPRESSOR	ROOF	480	3		10											
	COND FAN		480	1		2											
AHU-9	W/HEATING	BOX OFFICE 2nd FLOOR	208	1	0.75	6	15	97		E		E	100	100		3#1, 1#8G	1 1/2
CU-9	TTA072	BOX OFFICE				12		14.3				E	30	20		1M-37/39/41	3#12, 1#12G	1/2
	COMPRESSOR	ROOF	480	3		10											
	COND FAN		480	1		2											
EF-1	ACME/P115D3	CONF CENT	120	1	0.17	4		6		E	M	E	20	15		2#12, 1#12G	1/2
EF-2	ACME/V150	CONF CENT	120	1		1		2		E	M	E	20	15		2#12, 1#12G	1/2
EF-3	ACME/PWB200D	2 P MW	120	1	0.17	4		6		E	M	E	20	15		2#12, 1#12G	1/2
EF-4	ACME/PWB200D	2 P MW	120	1	0.17	4		6		E	M	E	20	15		2#12, 1#12G	1/2
EF-5	ACME/V150	1 P MW	120	1		1		2		E	M	E	20	15		2#12, 1#12G	1/2
EF-6	ACME/V150	1 P MW	120	1		1		2		E	M	E	20	15		2#12, 1#12G	1/2
EF-7	ACME/V150