

ELECTRICAL LEGEND

- METAL HALIDE OR MERCURY VAPOR LIGHT FIXTURE - PENDANT OR SURFACE MOUNT
- ⊗ METAL HALIDE OR MERCURY VAPOR LIGHT FIXTURE - WALL MOUNT
- INCANDESCENT LIGHT FIXTURE - SURFACE OR PENDANT MOUNT
- ⊗ INCANDESCENT LIGHT FIXTURE - RECESS MOUNT
- ⊗ INCANDESCENT LIGHT FIXTURE - WALL MOUNT
- FLOURESCENT STRIP LIGHT FIXTURE - SURFACE OR PENDANT MOUNT
- SQUARE FLOURESCENT FIXTURE - SURFACE OR RECESSED MOUNT
- 2X4 FOOT FLOURESCENT FIXTURE - SURFACE OR RECESS MOUNT
- \$ SINGLE POLE SWITCH
- 2\$ TWO SWITCHES MOUNTED SIDE BY SIDE
- \$₃ THREE-WAY SWITCH
- \$₄ FOUR-WAY SWITCH
- ⊕ DUPLEX CONVENIENCE OUTLET
- ⊕ FOURPLEX CONVENIENCE OUTLET
- ⊕ WEATHERPROOF CONVENIENCE OUTLET
- ⊕ SPECIAL PURPOSE OUTLET-USE, WATTAGE, VOLTAGE & PHASING AS SHOWN (WITH PLUG)
- ⊕ PLUGMOLD WITH SINGLE OUTLETS (24 INDICATES OUTLET SPACING IN INCHES)
- FAN OUTLET
- JUNCTION BOX
- ⊙ CLOCK ON CLOCK OUTLET
- HEAT OUTLET
- Ⓜ MOTOR - HP, VOLTAGE & PHASE AS SHOWN
- Ⓜ DISCONNECT SWITCH (NF INDICATES NON-FUSED)
- Ⓜ PUSHBUTTON
- Ⓜ LIGHTING RELAY
- Ⓜ TRANSFORMER
- Ⓜ PHOTO-CELL
- Ⓜ TELEPHONE OUTLET
- Ⓜ THERMOSTAT
- ELECTRIC BASEBOARD HEATER
- ELECTRIC WALL HEATER
- BUZZER
- LIGHTING OR POWER PANEL
- MAIN DISTRIBUTION BOARD
- CABINET - USE & SIZE AS SHOWN
- BRANCH CIRCUIT CONCEALED IN CEILING OR WALL
- BRANCH CIRCUIT BELOW FLOOR OR FINISHED FLOOR
- FLEXIBLE CONDUIT
- TELEPHONE CONDUIT (3/4" MIN)
- SECONDARY POWER
- PRIMARY POWER
- ⊕ EXPLOSION PROOF RECEPTACLE & PLUG
- ⊕ MERCURY VAPOR LIGHT FIXTURE - RECESS MOUNT
- ⊕ HORN
- ⊕ HORN SPEAKER (PA)
- ⊕ SPEAKER (IC OR PA) - FLUSH IN CEILING OR WALL
- ⊕ INTERCOM PHONE
- ⊕ PAGING MASTER CONSOLE
- ⊕ FLUSH FLOOR OUTLET W/ SCREW COVER
- ⊕ VOLUME CONTROL SWITCH (ROTARY) FOR IC SPEAKERS
- ⊕ LIGHTING CONTROL CENTER
- ⊕ MANUAL FA BREAKGLASS STA
- ⊕ FA HORN
- ⊕ FA CONDUIT (3/4" MIN)

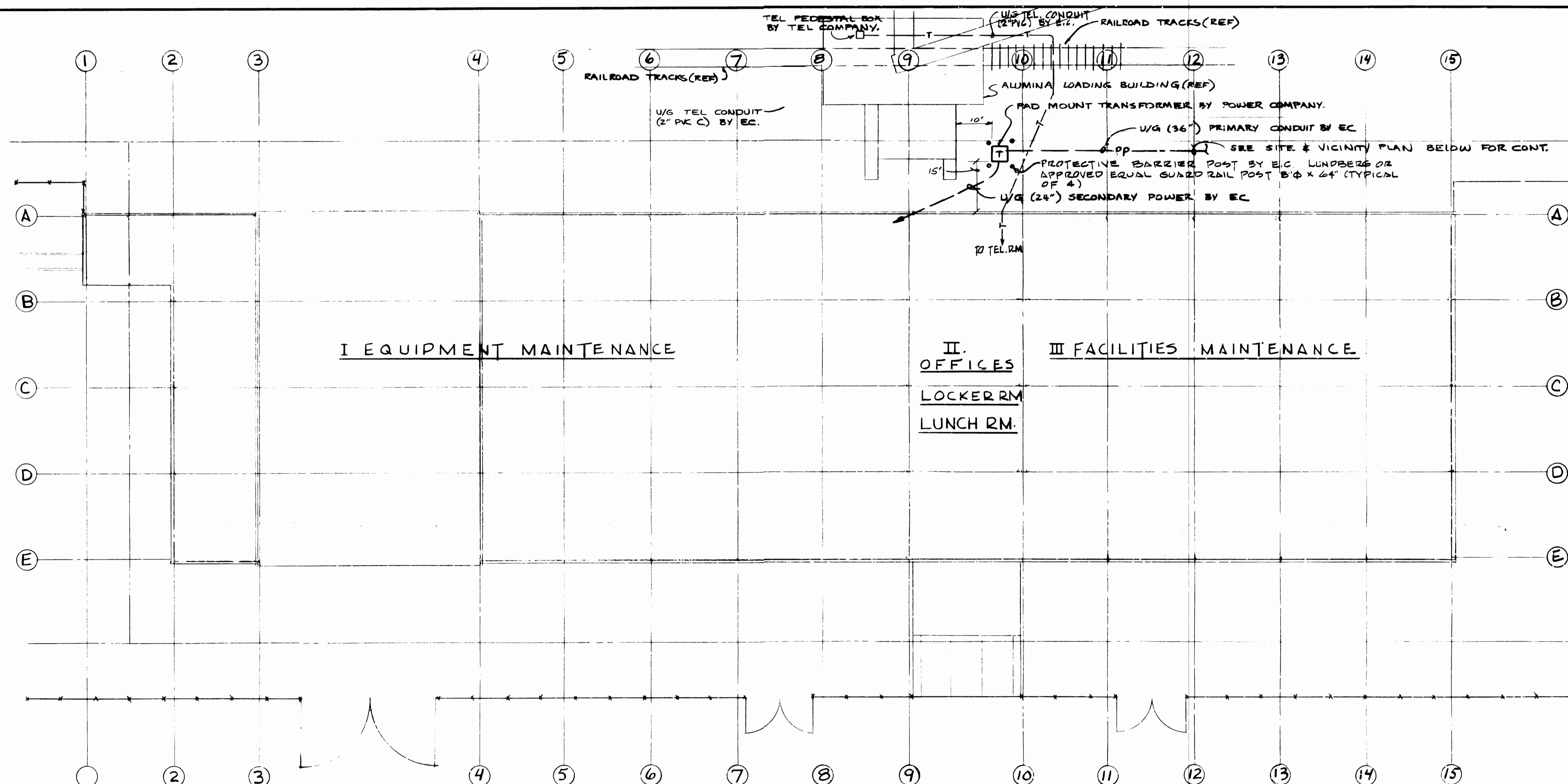
ABBREVIATIONS

BYO	BY OTHERS
C	CONDUIT
CO	CONDUIT ONLY
DET	DETAIL
DN	DOWN
EBB	ELECTRIC BASEBOARD HEATER
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EWB	ELECTRIC WALL HEATER
GC	GENERAL CONTRACTOR
HD	HEIGHT AS DIRECTED BY ARCHITECT
HWT	HOT WATER TANK
IC	INTERCOM
JB	JUNCTION BOX
LCC	NIGHT LIGHTING CONTROL CENTER
MC	MECHANICAL CONTRACTOR
MDB	MAIN DISTRIBUTION BOARD
NIC	NOT IN CONTRACT
PC	PHOTO-CELL
PNE	PANEL
TEL	TELEPHONE
TYP	TYPICAL
TRMR	TRANSFORMER
U/G	UNDERGROUND
U/L	UNDERWRITERS LABORATORY
V	VOLTS
W/P	WEATHERPROOF
TCL	TACOMA CITY LIGHT
REF	REFERENCE ONLY
MV	MERCURY VAPOR
MH	METAL HALIDE

NOTES:

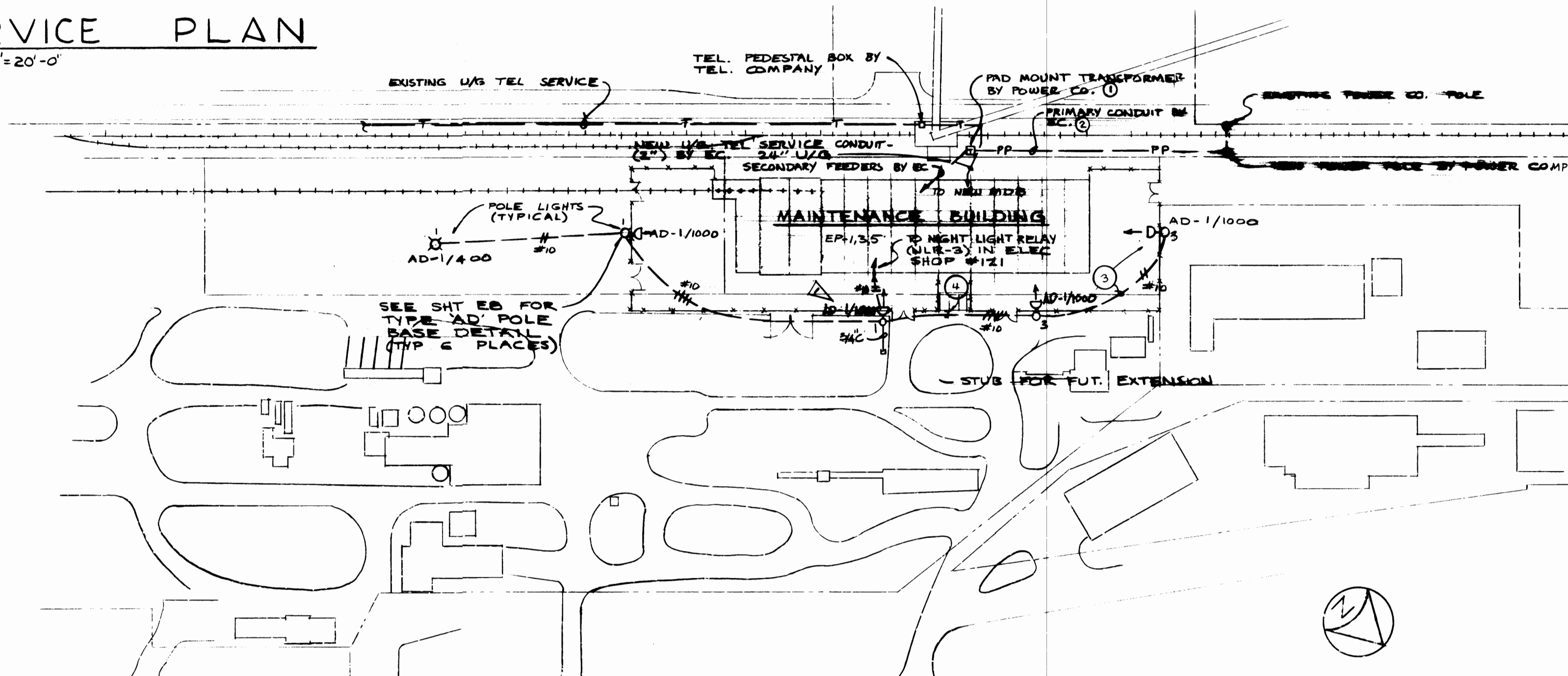
(APPLY TO SITE & VICINITY PLAN)

- ① EC TO PROVIDE TRANSFORMER PAD IN PLACE. STUB SECONDARY CONDUIT UP UNDER PAD. PER REQMTS OF TACOMA CITY LIGHT. TACOMA CITY LIGHT WILL PROVIDE TRANSFORMER, GROUNDING AND MAKE ALL TERMINATIONS. NOTE: AVAILABLE FAULT CURRENT AT THIS POINT IS 19,000 RMS (AT SECONDARY LUGS).
- ② EC TO PROVIDE A 4" RIGID GALV. STEEL CONDUIT BETWEEN XFMR AND POWER COMPANY POLE. CONDUIT ON POLE SHOULD BE MOUNTED ON STANDOFFS. PROVIDE ONE TEN FOOT SECTION OF RIGID C & F FOUR TEN FOOT SECTIONS OF PVC CONDUIT ON POLE. TERMINATE IN WEATHERHEAD PER TCL REQMTS. NOTE: TAC. CITY LIGHT REQUIRES CONTRACTOR TO PROOF ALL PRIMARY CONDUIT & LEAVE RISHTAPE IN CONDUIT FOR PULLING IN PRIMARY CABLE.
- ③ UNDER ALTERNATE BID #1-DELETE
- ④ STUB A 3/4" CONDUIT OUT FOR FUTURE EXTENSION



SERVICE PLAN

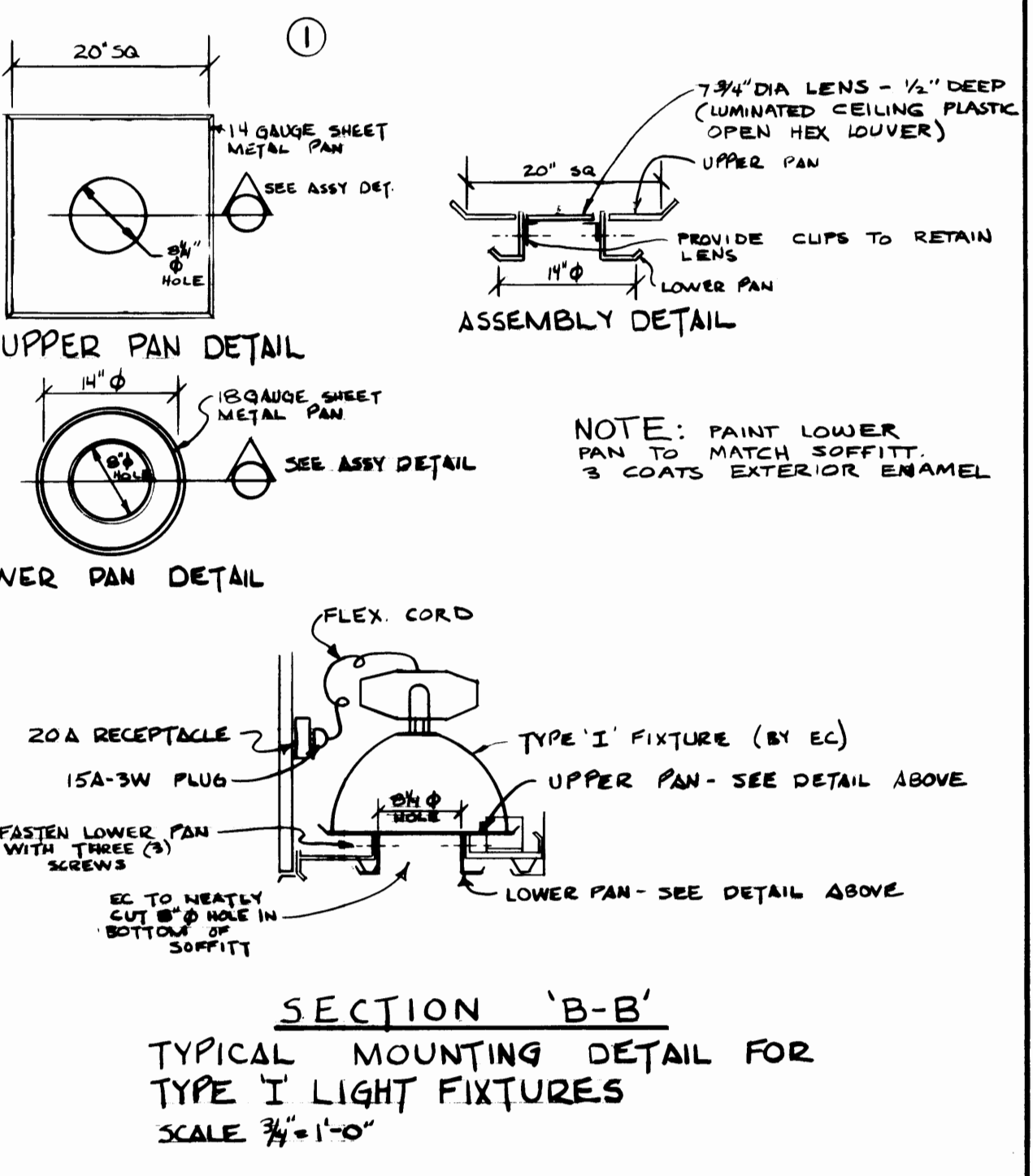
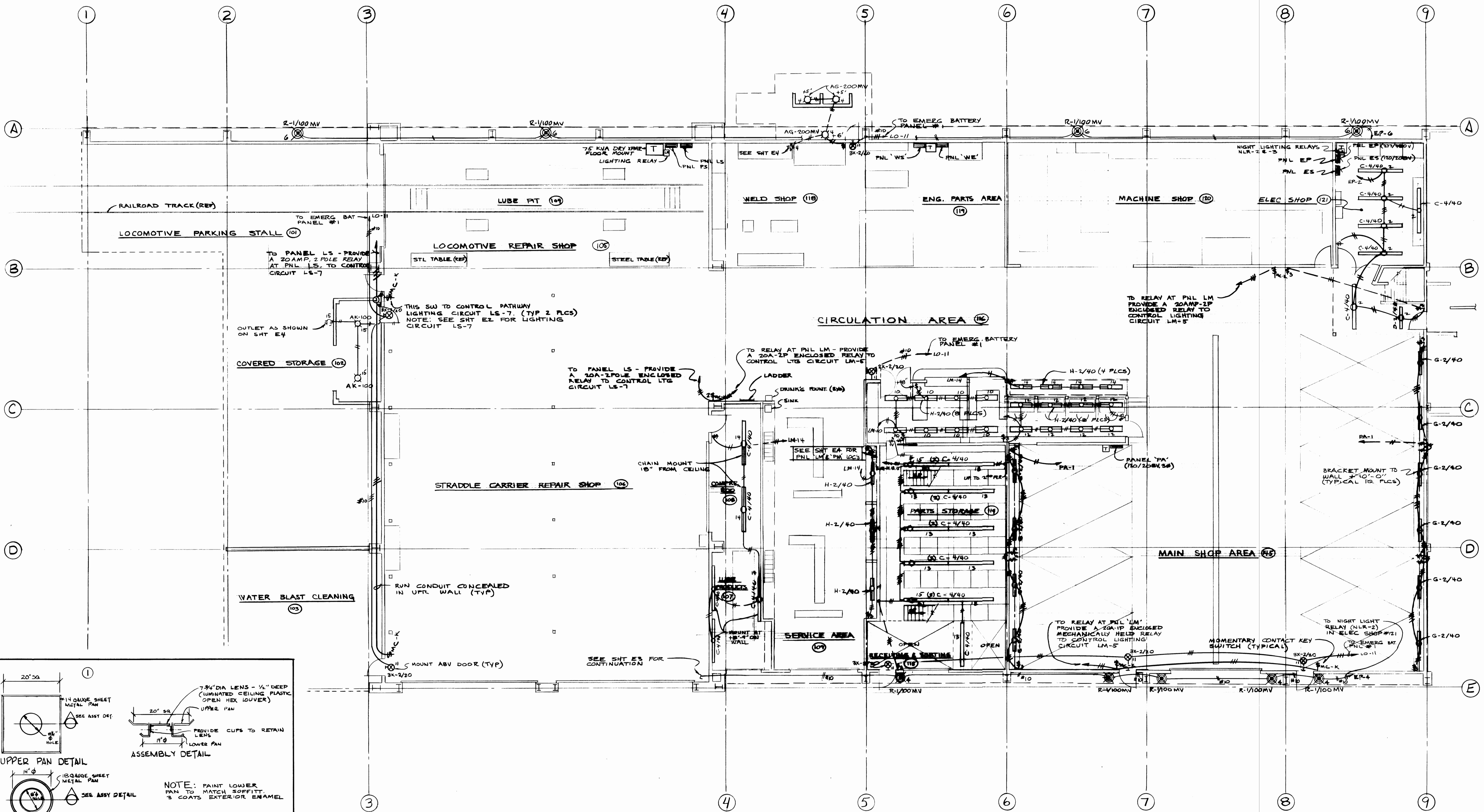
SCALE: 1"=20'-0"



SITE & VICINITY PLAN

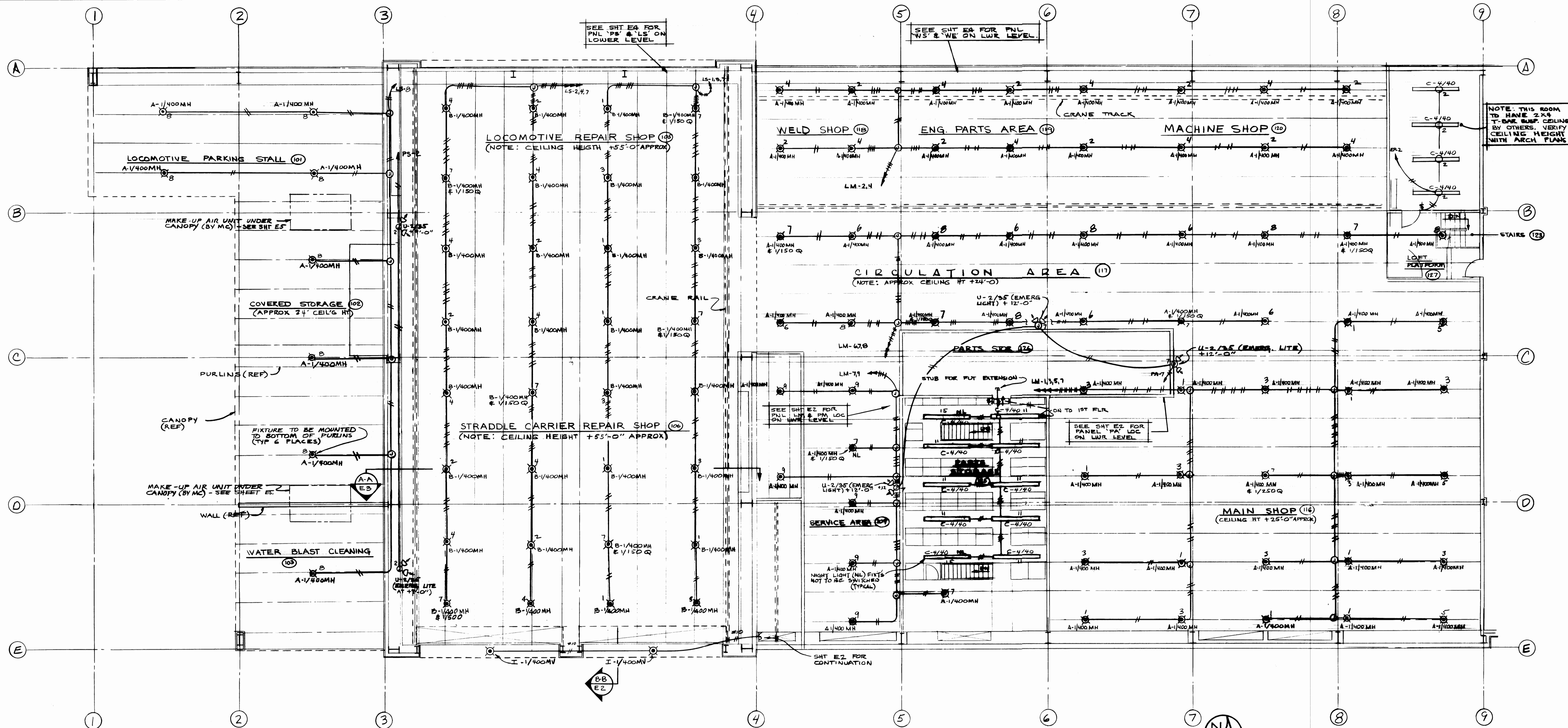
SCALE: 1"=100'-0"

Arnold N. Bogue and Associates Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, Wa. 98402 752-7722		Krone, Ziegler and Associates Architects and Planners, A.I.A. 3502 So. 15th St. Tacoma, Wa. 98406 752-6604		DRAWN: EMF DATE: 2/3/75 CHECKED: ANB DATE: 4/23/75 CHECKED: _____ DATE: _____	PORT OF TACOMA MAINTENANCE BUILDING PHASE I, II, III SITE PLAN	
CONT. NO. 46 FIELD BOOK (S): _____ APPROVED: _____ DATE: 4-28-75		CONTENTS: SERVICE PLAN SCALE: _____ DRAWING NO.: EP-2622-4 E-1 OF 12				
REVISION: _____ BY: _____ APP. DATE: _____		CHIEF ENGINEER: Donald L. Moorman				

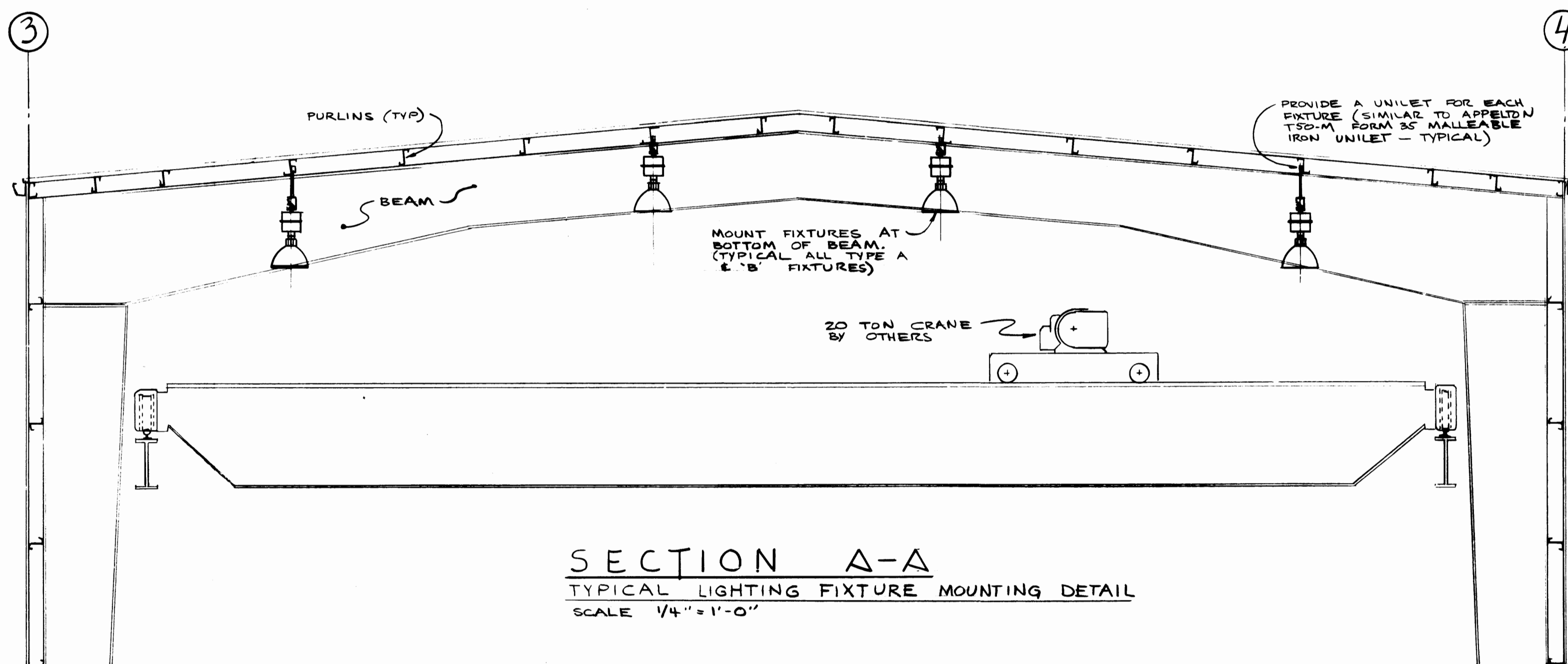


LOWER LEVEL PLAN - LIGHTING
I. EQUIPMENT MAINTENANCE
 SCALE 1/8" = 1'-0"

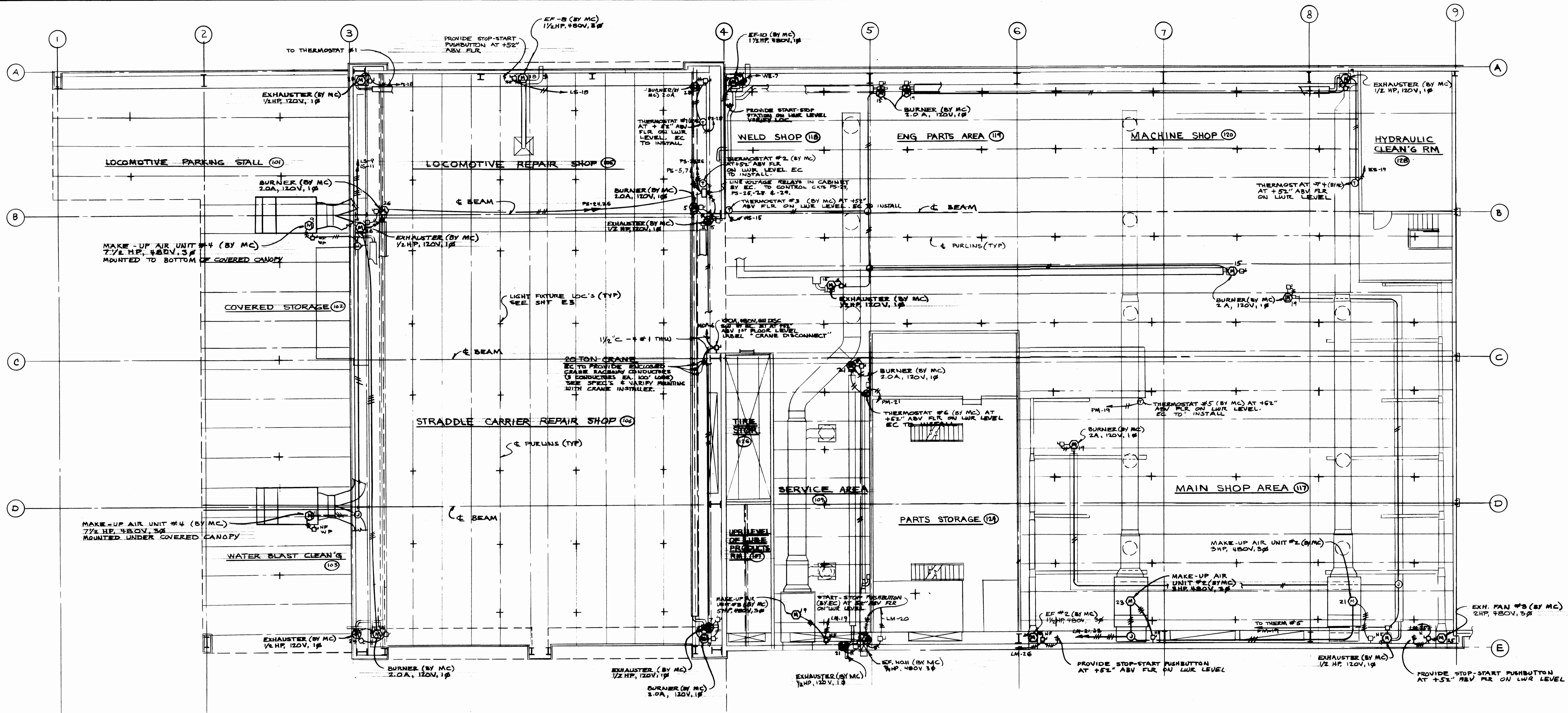
REGISTERED ARCHITECT Donald L. Mosman 4041 Ruston Way, Suite A Tacoma, Wa. 98402 752-7722		Krona, Ziegler and Associates Architects and Planners, A.A. 3502 So. 15th St. Tacoma, Wa. 98405 752-6804		DRAWN: EMF DATE: 2/3/75 CHECKED: ANB DATE: 4/21/75 FIELD BOOK(S): APPROVED: _____ DATE: 4-28-75	PORT OF TACOMA MAINTENANCE BUILDING PHASE I EQUIPMENT MAINTENANCE CONTENTS: LOWER LEVEL PLAN - LIGHTING SCALE: _____ DRAWING NO.: EP-2622-4 SHEET: E-2 OF 12
ARNOLD N. BOGUE AND ASSOCIATES Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, Wa. 98402 752-7722		AS BUILT 2-3-77 BY: _____ APP: _____ DATE: _____		CHIEF ENGINEER:	



UPPER LEVEL PLAN - LIGHTING
I. EQUIPMENT MAINTENANCE
SCALE 1/8" = 1'-0"



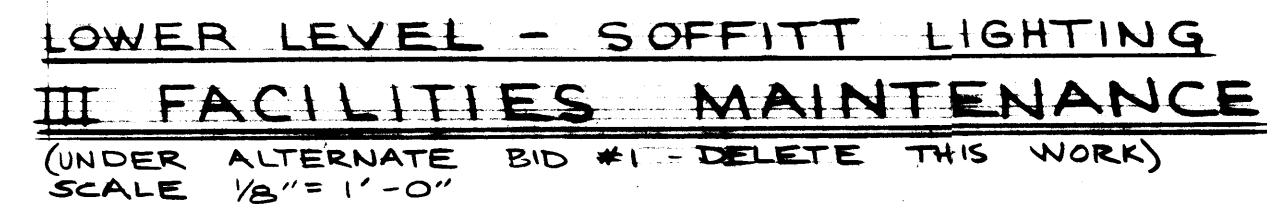
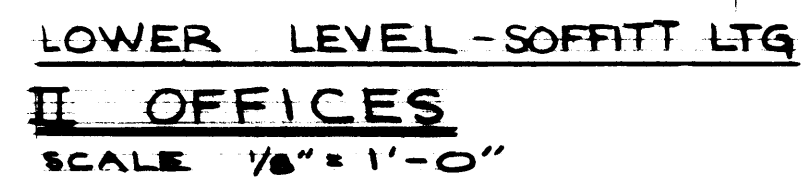
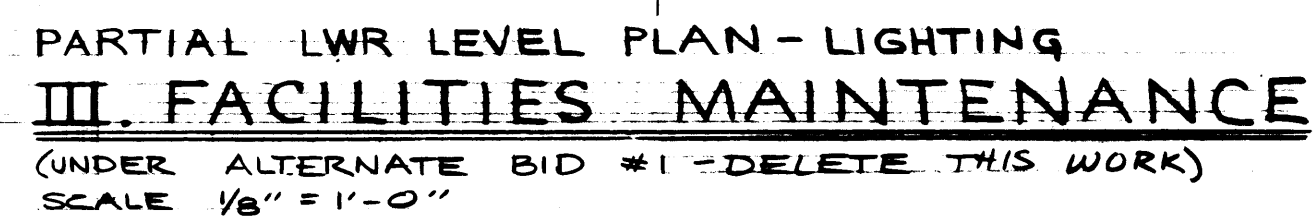
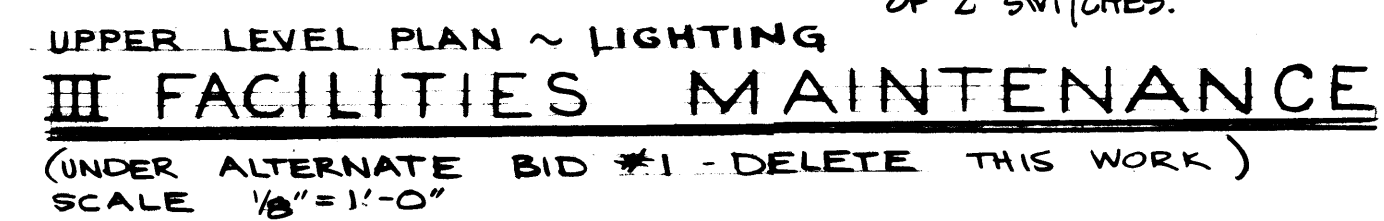
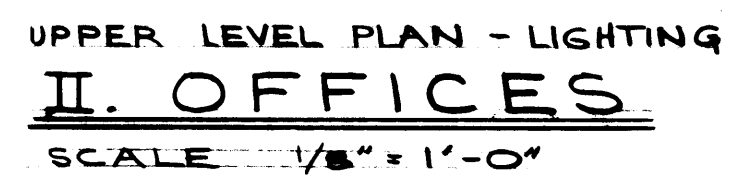
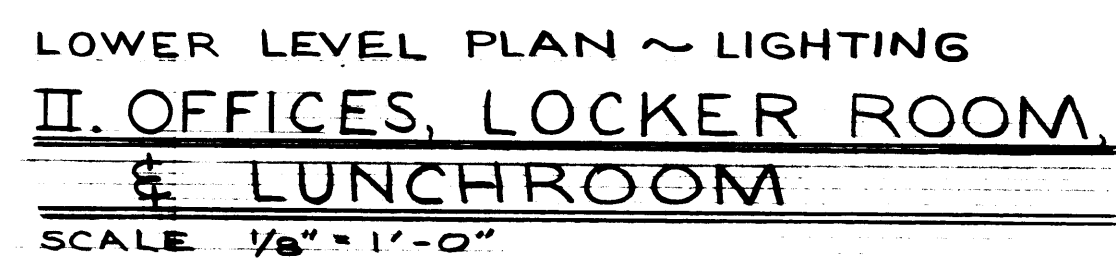
REGISTERED ARCHITECT Arnold N. Begue and Associates Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, WA 98402 752-7722		ARCHITECT Arnold N. Begue and Associates Architects and Planners, AIA 3502 So. 15th St. Tacoma, WA 98406 752-6804		DRAWN: EMF DATE: 2/8/75 CHECKED: ANB DATE: 7/21/75 CONT. NO.: 401 FIELD BOOK(S): APPROVED: <i>Arnold N. Begue</i> DATE: 4-28-75		PORT OF TACOMA MAINTENANCE BUILDING PHASE I EQUIPMENT MAINTENANCE CONTENTS: UPPER LEVEL PLAN - LIGHTING SCALE: 1/8" = 1'-0" DRAWING NO.: EP-2322-4 SHEET: E-3 OF 12	
MARK	REVISION	BY	APP.	DATE	AS BUILT 2-3-77		



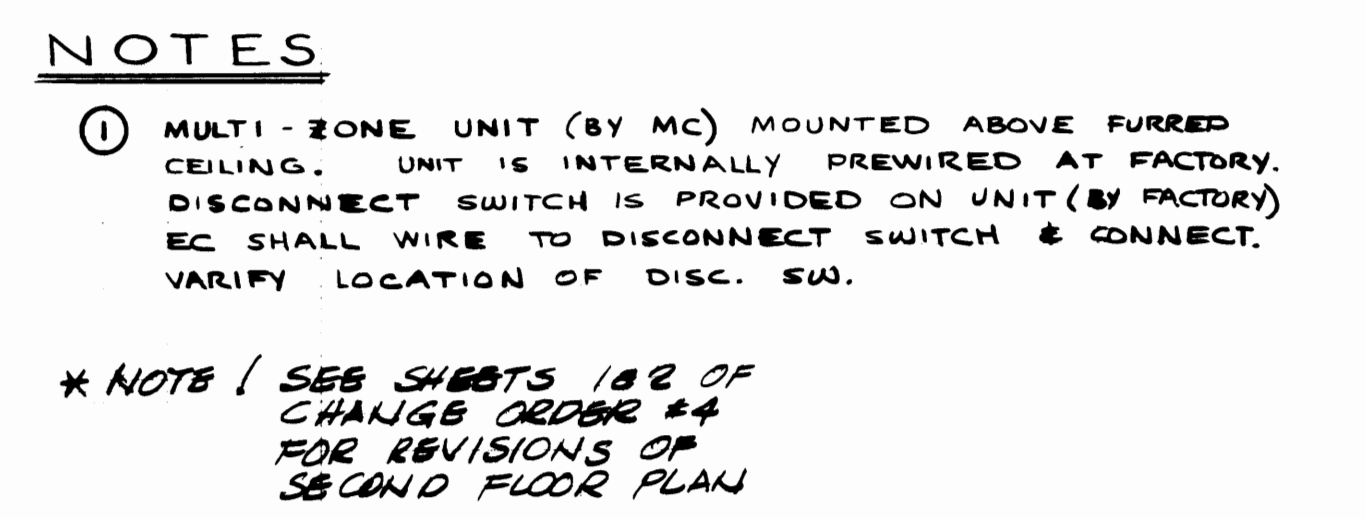
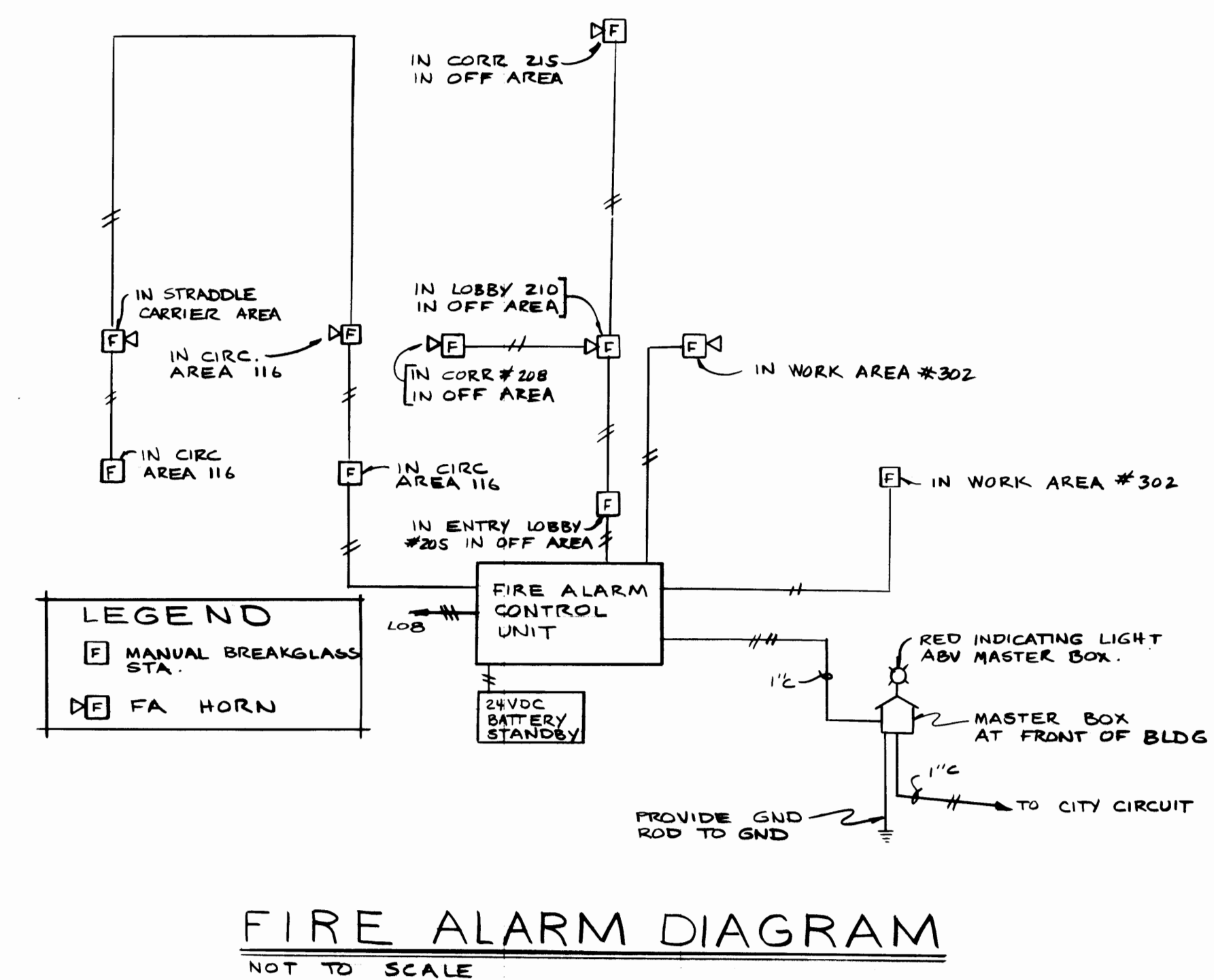
UPPER LEVEL PLAN - MECH. CONNECTIONS
I. EQUIPMENT MAINTENANCE
SCALE 1/8" = 1'-0"



REGISTERED ARCHITECT Arnold N. Deque and Associates Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, Wa. 98402 782-7722		Krone, Ziegler and Associates Architects and Planners, A.I.A. 3802 So. 18th St. Tacoma, Wa. 98406 782-6604		DRAWN <u>ANB</u> DATE <u>2/3/75</u> CHECKED <u>EME</u> DATE <u>4/21/75</u> CHECKED _____ DATE _____ CONT. NO. <u>401</u>		PORT OF TACOMA MAINTENANCE BUILDING PHASE I. EQUIPMENT MAINTENANCE CONTENTS: UPPER LEVEL PLAN - MECHANICAL CONNECTIONS	
FIELD BOOK(S) _____ APPROVED _____ DATE <u>4-28-75</u>		SCALE <u>1/8" = 1'-0"</u> DRAWING NO. <u>FP-2622-4</u> SHEET <u>E-5</u> OF <u>12</u>		AS BUILT REVISION _____ BY _____ APP. _____ DATE <u>2-3-77</u>		EXH. FAN #3 (BY MC) 2HP, 480V, 3P PROVIDE STOP-START PUSHBUTTON AT +52" ABV FLR ON LWR LEVEL	



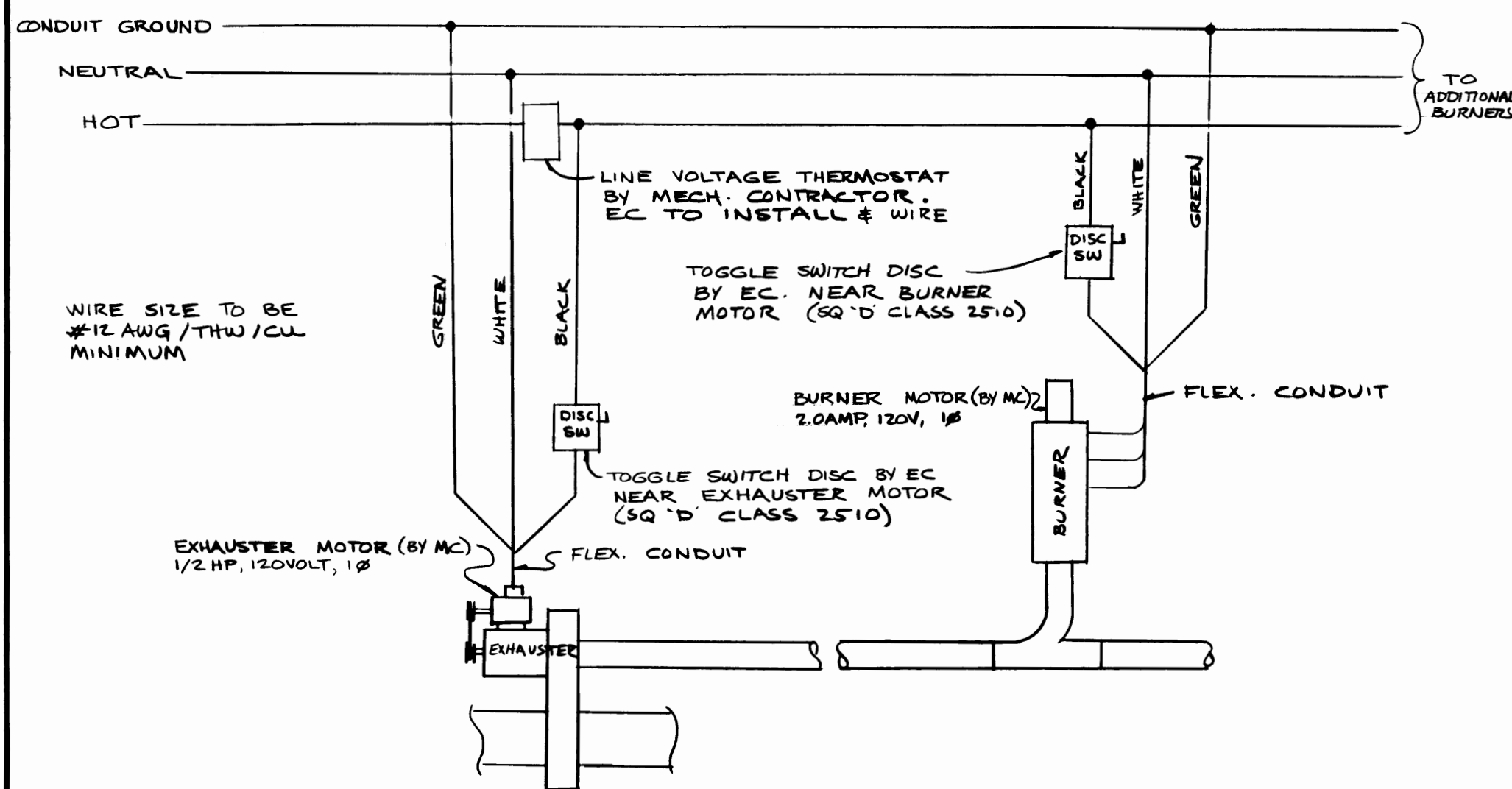
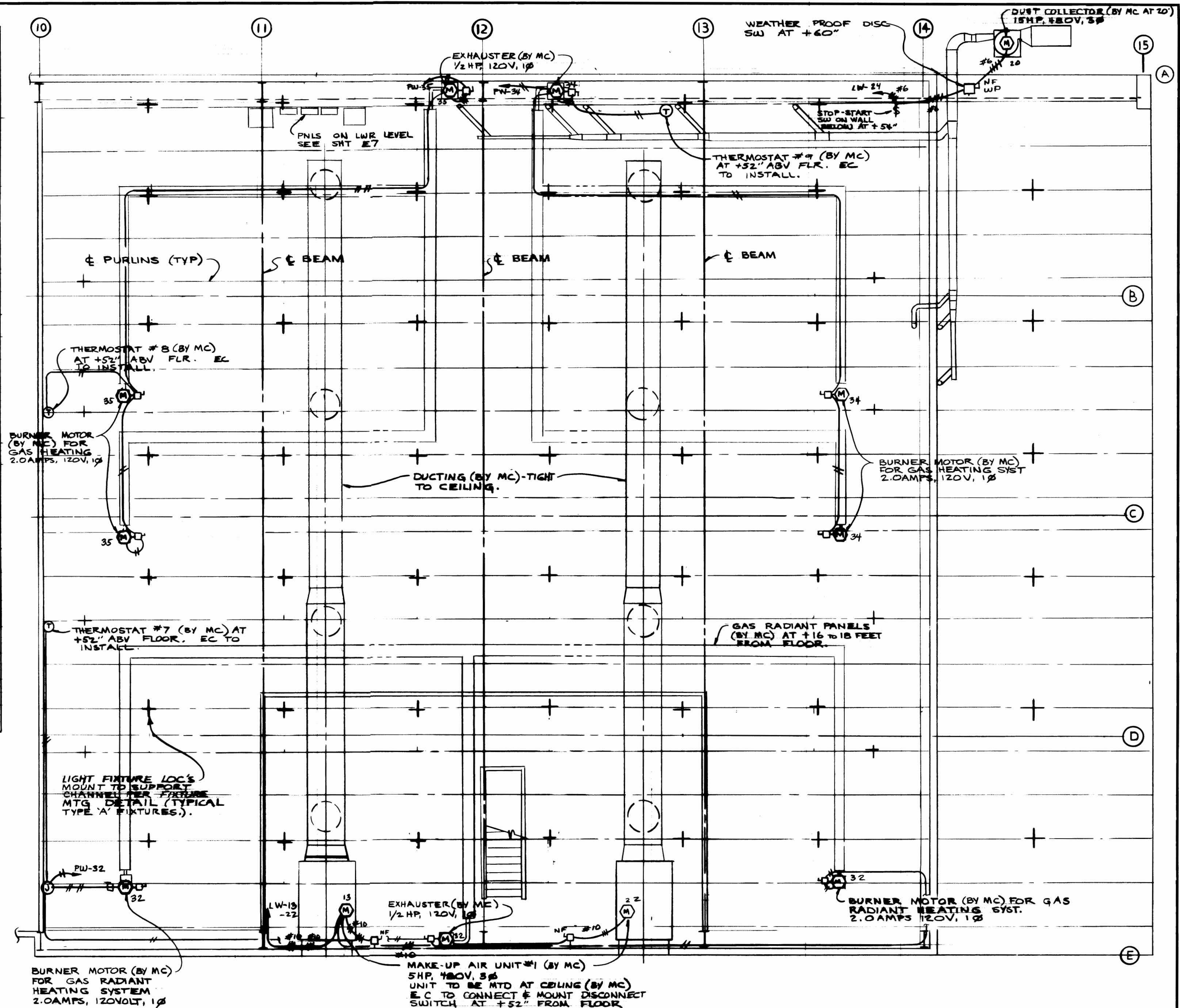
R 900 REGISTERED ARCHITECT  RUSSELL B. BOGUE STATE OF WASHINGTON		Krona, Ziegler and Associates Architects and Planners, A.I.A. 3502 So. 15th St. Tacoma, Wa. 98405 752 - 6604				DRAWN <u>EMF</u> DATE <u>2/3/75</u> CHECKED <u>ANB</u> DATE <u>4/2/75</u> DATE _____ DATE _____ CONT. NO. <u>434</u> FIELD BOOK (S) _____ APPROVED _____ DATE <u>4-28-75</u> DATE _____		PORT OF TACOMA MAINTENANCE BUILDING PHASE II OFFICES, LOCKER RM, LUNCH RM PHASE III FACILITIES MAINTENANCE CONTENTS FLOWER & UPPER LEVEL PLANS - LIGHTING SCALE <u>1"=1'-0"</u> DRAWING NO. <u>4-28-75</u> DATE _____		EP-2852-1 E-6-12 SHEET _____	
Arnold M. Bogue and Associates Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, Wa. 98402		752 - 7722		752-7722 6-4-75 BY <u>RWB</u> APP. <u>RWB</u> DATE _____ MARK _____ REVISION _____		AS-BUILT T.O.T.E. MODIFICATIONS 2-3-77		4-28-75 DATE _____		4-28-75 DATE _____	



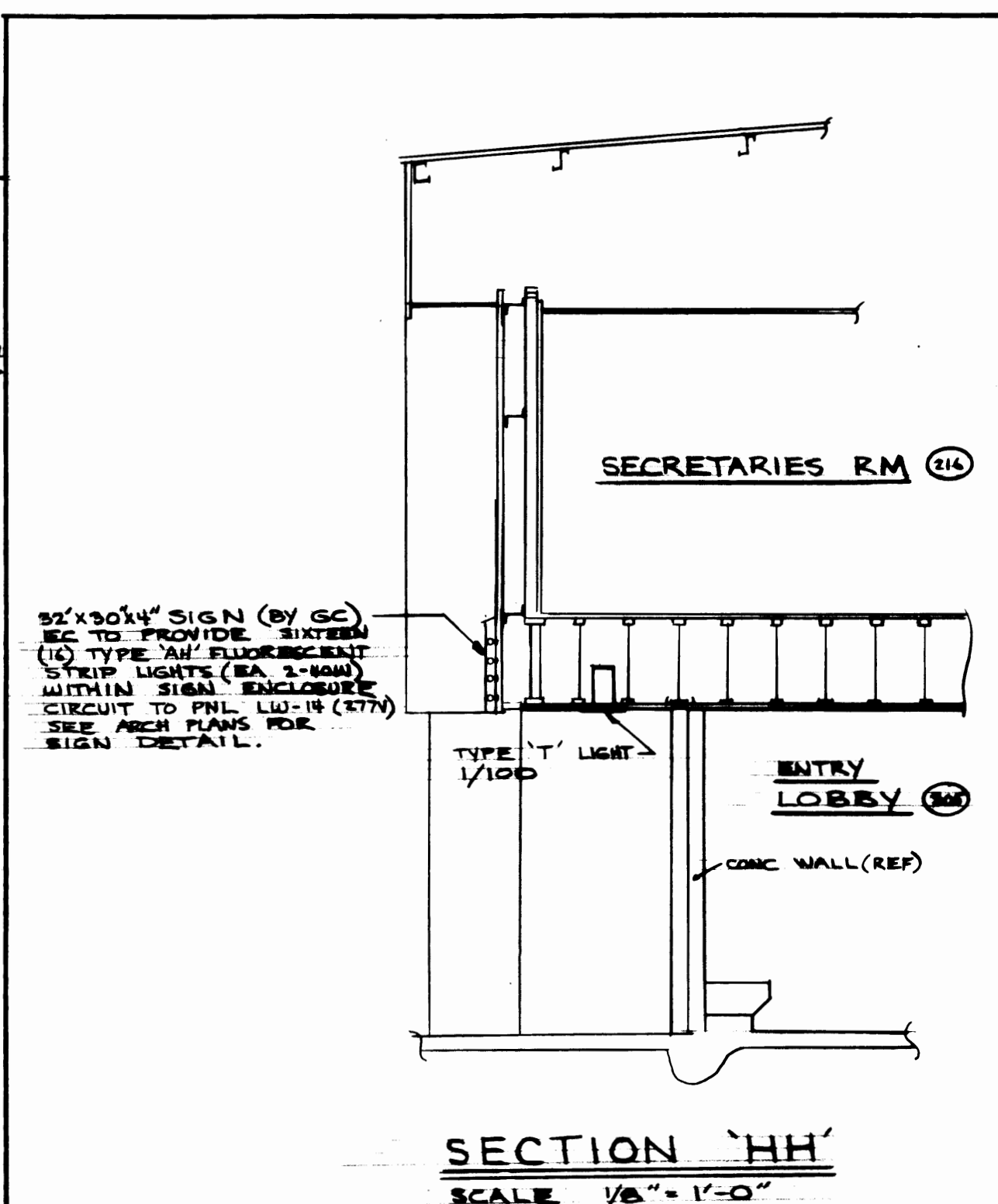
TR 046 REGISTERED ARCHITECT <i>Russell P. Ziegler</i> RUSSELL P. ZIEGLER STATE OF WASHINGTON		Krona, Ziegler and Associates Architects and Planners, A.I.A. 3502 So. 15th St. Tacoma, Wa. 98405 752-6604		ARNOLD N. BOGUE ARCHITECT PROFESSIONAL ENGINEER		DRAWN EMF DATE 2/7/5 CHECKED ANB DATE 4/2/5 CHECKED _____ DATE _____ CONT. NO. 401		PORT OF TACOMA MAINTENANCE BUILDING PHASE II OFFICES, LOCKER RM, LUNCH RM CONTENTS : FURRED CEILING PLAN F DIAGRAMS			
Arnold N. Bogue and Associates Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, Wa. 98402 752-7722						FIELD BOOK(S): _____ APPROVED _____ DATE 4-28-75 <i>Arnold N. Bogue</i> CHIEF ENGINEER		SCALE NONE DRAWING NO. EP-2622-4 SHEET E-8 OF 12			
AS BUILT				2-3-77							
MARK	REVISION	BY	APP.	DATE							

MOTOR LIST

MOTOR NO.	SERVICE	LOCATION	HP	AMPS	VOLTS	PHASE	PANEL CIRCUITS	MOTOR STARTER TYPE	COVER SW	PILOT LIGHT	PROVIDER	INSTALLER	LOCAL SWITCH TYPE	PROVIDER	INSTALLER	CONTROL INTERLOCK SCHEDULE	SPECIAL EQUIPMENT	LOCATION	BY	BY
1	MULTI-ZONE UNIT	OFFICE AREA	7 1/2	14.9	480	3	LW-24	MAGNETIC IN CONTROL PNL	-	-	MC	MC	C/B IN CONTROL PNL	MC	MC	INTERLOCK W/ EF-1 & EF-4	-	-	-	-
2	CONDENSING UNIT	ROOF	-	57.2	-	-	LW-19	-	-	-	-	-	NON-FUSED SAFETY SWITCH	EC	EC	-	-	-	-	-
3	MAKE-UP AIR UNIT NO-1	FACILITIES MAINTENANCE	5	6.6	-	-	LW-13	MAGNETIC IN NEMA 1 ENCL	-	-	-	-	-	EC	EC	INTERLOCK W/ EF-4	-	-	-	-
4	MAKE-UP AIR UNIT NO-2	MAIN SHOP	3	4.2	-	-	LW-12	-	-	-	-	-	-	-	-	INTERLOCK W/ EF-5, EF-6 & EF-7	-	-	-	-
5	MAKE-UP AIR UNIT NO-3	SEWER TREAT	5	6.6	-	-	LW-17	-	-	-	-	-	-	-	-	INTERLOCK W/ EF-5, EF-6 & EF-7	-	-	-	-
6	MAKE-UP AIR UNIT NO-4	STEADLE CARRIER	7 1/2	9.0	-	-	LS-9	-	-	-	-	-	-	-	-	INTERLOCK W/ EF-9	-	-	-	-
7	EF-NO-1	OFFICES	-	1.0	120	1	OF-40	-	-	-	-	-	-	-	-	INTERLOCK W/ M-Z UNIT	MC TO FURNISH MULTI-SPEED SW EC TO INSTALL	ATMC	MC	EC
8	EF-NO-2	MAIN SHOP	1 1/2	2.6	480	3	LW-21	MAGNETIC IN NEMA 1 ENCL	-	-	MC	EC	NON-FUSED SAFETY SWITCH	EC	EC	-	STOP-START SWITCH	MAIN SHOP	EC	EC
9	EF-NO-3	-	2	3.4	-	-	LW-23	-	-	-	-	-	-	-	-	-	-	-	-	-
10	EF-NO-4	FACILITIES MAINT. EQUIPT.	3/4	1.4	-	-	LW-15	-	-	-	-	-	-	MC	EC	INTERLOCK W/M.U. AIR UNIT NO-1	-	-	-	-
11	EF-NO-5	MAINT. EQUIPT.	3/4	1.4	-	-	WE-3	-	-	-	-	-	-	-	-	INTERLOCK W/M.U. AIR UNIT NO-2 & 3	-	-	-	-
12	EF-NO-6	PARTS STORAGE	1/4	5.8	120	1	PM-7	-	-	-	-	-	-	-	-	INTERLOCK W/M.U. AIR UNIT NO-2 & 3	-	-	-	-
13	EF-NO-7	LUBE PRODUCTS	1/2	2.5	-	-	PM-7	-	-	-	-	-	-	EC	-	INTERLOCK W/M.U. AIR UNIT NO-2 & 3	-	-	-	-
14	EF-NO-8	STEADLE CARRIER	5	7.6	480	3	LS-10	MAGNETIC IN NEMA 1 ENCL	-	-	MC	EC	-	-	-	-	STOP-START SW	LOC. SHOP	EC	EC
15	EF-NO-9	-	1 1/2	2.6	-	-	LS-17, 18	-	-	-	-	-	-	MC	-	INTERLOCK W/M.U. AIR UNIT NO-4	-	-	-	-
16	EF-10-10	WELD SHOP	1 1/2	2.6	-	-	WE-40	-	-	-	-	-	-	EC	-	-	STOP-START SWITCH	WELD SHOP	EC	EC
17	RF-NO-1	ROOF	3/4	1.4	-	-	LW-17	-	-	-	-	-	-	EC	-	INTERLOCK W/ M-Z UNIT	-	-	-	-
18	COMPRESSOR	COMP. RM	2 1/2	21	-	-	LS-10	MAGNETIC IN CONTROL PNL	H.O.A.	✓	-	-	EC	C/B'S IN CONT PNL	MC	EC	-	-	-	-
19	DUST COLLECTOR	OUTSIDE	15	21	-	-	LW-24	-	P.B.	✓	-	-	-	EC	EC	-	STOP-START SWITCH	-	-	-
20	HW.C PUMP NO-1	OFFICE WASH. SERVICE RM	1/2	2.5	120	1	OF-23	-	-	-	-	-	-	-	-	SQ 'D' CLASS 2510	-	-	-	-
21	HW.C PUMP NO-2	-	1/2	2.5	-	-	OF-23	-	-	-	-	-	-	-	-	-	-	-	-	-
22	EF-NO. 11	SERV. AREA	3/4	-	480V	3P	LM-18	MAGN. IN NEMA 1 ENCL	-	-	MC	EC	NON-FUSED SAFETY SWITCH	-	-	-	STOP-START SW	SERV. AREA	EC	EC
23	GAS RADIANT BURNER	SEE PLAN	-	2.0	120	1	SEE PNL SCHEDULE	SEE EXHAUSTER/BURNER DIAGRAM BELOW	-	-	-	-	SQ 'D' CLASS 2510	EC	EC	SEE TYPICAL WIRING DIAG. BELOW	-	-	-	-
24	GAS RADIANT EXHAUSTER	SEE PLAN	1/2	-	120	1	SEE PNL SCHEDULE	SEE EXHAUSTER/BURNER DIAGRAM BELOW	-	-	-	-	SQ 'D' CLASS 2510	EC	EC	-	-	-	-	-

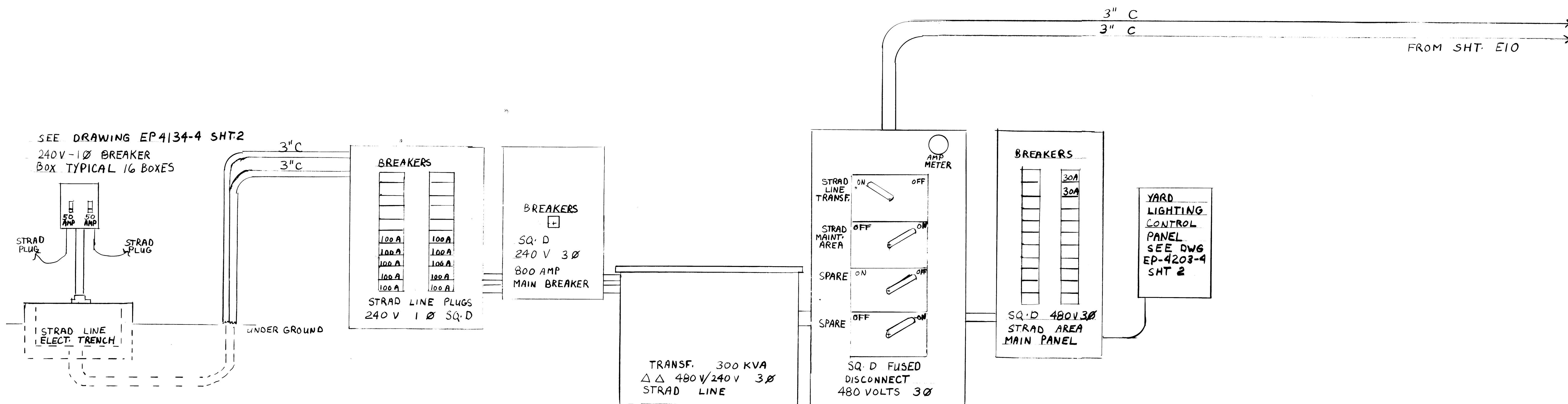


TYPICAL EXHAUSTER/BURNER WIRING DIAGRAM
SCALE: NONE



UPPER PLAN ~ HEATING & DUST COL.
III FACILITIES MAINTENANCE
(UNDER ALTERNATE BID #1 DELETE THIS WORK)
SCALE 1/8" = 1'-0"

REGISTERED ARCHITECT Krone, Ziegler and Associates Architects and Planners, A.I.A. 3502 So. 15th St. Tacoma, Wa. 98405 752-6604		DRAWN: EMF DATE: 3/3/76 CHECKED: AAB DATE: 4/21/76 CHECKED: [Signature] DATE: [Blank] CONT. NO. 401 FIELD BOOK(S): [Blank]		PORT OF TACOMA MAINTENANCE BUILD'G PHASE III FACILITIES MAINTENANCE CONTENTS: UPPER LEVEL PLAN; MECHANICAL CONNECTIONS & DETAILS	
REGISTERED ARCHITECT Arnold N. Bogue and Associates Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, Wa. 98402 752-7722		APPROVED: [Signature] DATE: 4-28-79 SCALE: NOTED		DRAWING NO.: EP-2822-4 SHEET: E-9 OF 12	
AS BUILT REVISION: [Blank] BY: [Blank] APP. DATE: 2-3-77		CHIEF ENGINEER: [Signature]		[Blank]	



LOCATED BACK WALL OF NEW STRAD SHOP

MARK	REVISION	BY	APP.	DATE

DRAWN <u>IN</u> DATE <u>2/5/98</u>		PORT OF TACOMA	
CHECKED _____ DATE _____ CHECKED _____ DATE _____ CONT. NO. _____		8931 MAINTENANCE BUILDING	
FIELD BOOK(S) _____		SCALE <u>NONE</u>	
APPROVED _____ DATE _____		DRAWING NO. <u>EP-2622-4</u>	
CHIEF ENGINEER _____		SHEET <u>E-10A</u> OF <u>12</u>	

55884

PAV

10-2025 REGISTERED ARCHITECT <i>Ronald L. Moore</i> RONALD L. MOORE STATE OF WASHINGTON		Krone, Ziegler and Associates Architects and Planners, A.A. 3002 So. 15th St. Tacoma, Wa. 98402 752-6804		SEALED  RONALD N. BOQUE STATE OF WASHINGTON		DRAWN <u>EMF</u> DATE <u>2/3/75</u> CHECKED <u>ANB</u> DATE <u>4/21/76</u> CHECKED _____ DATE _____ CONT. NO. <u>401</u>		PORT OF TACOMA MAINTENANCE BUILDING PHASE I, II, III CONTENTS: _____ PANEL SCHEDULES _____	
Ronald N. Boque and Associates Mechanical and Electrical Engineers 641 Ruston Way, Suite A Tacoma, Wa. 98402				FIELD BOOK(S): _____ APPROVED _____ DATE <u>4-28-75</u>		SCALE <u>NO</u> DRAWING _____ EP-20 _____ E-II _____			
AS BUILT T.O.T.E. MODIFICATIONS		2-3-77 6-4-77		<i>Ronald L. Moore</i>					
REVISION		BY APP. DATE		SHEET _____					

PANEL 'ES'				SQUARE 'D' NQOB SURFACE MOUNT PANELBOARD RATED 100 AMP AT 120/208V, 3Ø, 4WIRE. NO MAIN C/B. LOCKABLE DOOR. (120/208V, 3Ø, 4W) 42 POLE PANEL S/N BUSSING.			
VA	DESIGNATION	C/B		C/B	DESIGNATION	VA	
500	RECEPTACLES - ELECTRIC SHOP 121	20/1P	1	2	20/1P PLUGMOLD - ELECTRIC SHOP 121	1500	
500	- ELECTRIC SHOP 121	20/1P	3	4	20/1P " " " "	1500	
500	- MACHINE SHOP 120	20/1P	5	6	20/1P RECEPTACLES - MACHINE SHOP 120	500	
500	- MACHINE SHOP 120	20/1P	7	8	20/1P RECEPTACLES - CIRCULATION #117	500	
500	- MACHINE SHOP 120	20/1P	9	10	20/1P RECEPTACLES - MACHINE SHOP 120	500	
500	- MACHINE SHOP 120	20/1P	11	12	20/1P RECEPTACLES - CIRCULATION 117	500	
500	- MACHINE SHOP 120	20/1P	13	14	20/1P RECEPTACLES - MACHINE SHOP 120	500	
500	- MACHINE SHOP 120	20/1P	15	16	20/1P SPARE	1000	
1000	SPARE	20/1P	17	18	20/1P DRILL PRESS (1/2HP)	1127	
1416	EXHAUSTER (1/2P) & BURNER (20A)	20/1P	19	20	20/1P DRILL PRESS (1/2HP)	1127	
1000	SPARE	20/1P	21	22	20/1P SPARE	1000	
1125	ELECTRIC HEAT -	20/2P	23	24	20/2P 20AMP - 208 VOLT OUTLET	1000	
1125	↓	↓	↓	↓	↓	1000	
—	SPACE	—	25	26	—	—	
—	SPACE	—	27	28	—	—	
—	SPACE	—	29	30	—	—	
—	—	—	31	32	—	—	
—	—	—	33	34	—	—	
—	—	—	35	36	—	—	
—	—	—	37	38	—	—	
—	—	—	39	40	—	—	
9666	TOTAL VA = 21420	VA = 20A				11754	

PANEL 'EP'				SQUARE 'D' NHIB SURFACE MOUNT PANELBOARD RATED 225 AMPS AT 277/480V, 3Ø, 4WIRE. PROVIDE 100AMP-3POLE MAIN C/B. S/N BUSSING. LOCKABLE DOOR. 42 POLE PANEL			
VA	DESIGNATION	C/B		C/B	DESIGNATION	VA	
4000	POLE LITES - EXTERIOR	20/1P	1	2	20/1P LIGHTS - ELEC SHOP 121	1400	
4000	↓	20/1P	3	4	20/1P EXTERIOR BUILDING LIGHTS	3410	
4000	↓	20/1P	5	6	20/1P SPARE	1000	
4000	↓	20/1P	7	8	20/1P SPARE	1000	
4000	↓	20/1P	9	10	20/1P SPARE	1000	
4000	↓	20/1P	11	12	20/1P SPARE	1000	
2100	RADIAL DRILL (5HP)	15/3P	13	14	15/3P LATHE (5 HP)	2100	
2100	↓	↓	↓	↓	↓	2100	
2100	↓	↓	↓	↓	↓	2100	
17783	440V - OUTLET - ELEC SHOP	100/3P	15	16	15/3P BRIDGE PORT (1 1/2HP)	716	
17783	↓	↓	↓	↓	↓	716	
17783	↓	↓	↓	↓	↓	716	
—	SPACE	—	17	18	50/3P 30 KVA DRY TRANSF. FOR PNL ES	10000	
—	↓	↓	↓	↓	↓	10000	
—	↓	↓	↓	↓	↓	10000	
—	↓	↓	↓	↓	↓	10000	
—	↓	↓	↓	↓	↓	10000	
3875	SHAPER (10HP)	30/3P	21	22	20/3P SPARE	2000	
3875	↓	↓	↓	↓	↓	2000	
3875	↓	↓	↓	↓	↓	2000	
—	—	—	↓	↓	40/3P LATHE (5HP)	2100	
—	—	—	↓	↓	↓	2100	
—	—	—	↓	↓	↓	2100	
95874	TOTAL VA: 155,932 VA	AMPS: 188				60058	

PANEL 'WS'				SQUARE 'D' NQOB SURFACE MOUNTED PANELBOARD RATED 100 AMP AT 120/208V, 3Ø, 4WIRE. NO MAIN C/B. S/N BUSSING. LOCKABLE DOOR. 42 POLE PANEL			
VA	DESIGNATION	C/B		C/B	DESIGNATION	VA	
500	RECEPTACLES - ENG PARTS 119	20/1P	1	2	20/1P RECEPTACLES - WELD SHOP 118	500	
500	- ENG PARTS 119	↓	3	4	- WELD SHOP 118	500	
500	- ENG PARTS 119	↓	5	6	- WELD SHOP 118	500	
500	- ENG PARTS 119	↓	7	8	- WELD SHOP 118	500	
1000	SPARE	↓	9	10	SPARE	1000	
1000	SPARE	↓	11	12	SPARE	1000	
1000	SPARE	↓	13	14	SPACE	—	
1656	EXHAUSTER (1/2HP) & BURNER 2- (4A)	↓	15	16	—	—	
—	SPACE	—	17	18	—	—	
—	—	—	19	20	—	—	
—	—	—	21	22	—	—	
—	—	—	23	24	—	—	
—	—	—	25	26	—	—	
—	—	—	27	28	—	—	
—	—	—	29	30	—	—	
—	—	—	31	32	—	—	
—	—	—	33	34	—	—	
—	—	—	35	36	—	—	
—	—	—	37	38	—	—	
—	—	—	39	40	—	—	
—	—	—	41	42	—	—	
6656	TOTAL VA: 10,656	VA 30 AMPS:				4000	

PANEL 'WE'				SQUARE 'D' NHIB SURF. MOUNTED PANELBOARD RATED 225 AMPS AT 277/480V, 3Ø, 4WIRE. PROVIDE 125 AMP MAIN C/B. S/N BUSSING. LOCKABLE DOOR. 42 POLE PANEL			
V.A.	DESIGNATION	C/B		C/B	DESIGNATION	V.A.	
16600	LINCOLN WELDER	70/3P	1	2	30/3P 15 KVA DRY TRANSFORMER FOR PNL WS	5000	
16600	↓	↓	↓	↓	↓	5000	
16600	↓	↓	↓	↓	↓	5000	
716	EF-10 (1 1/2HP)	15/3P	3	4	15/3P EF-5 (3/4HP)	287	
716	↓	↓	↓	↓	↓	387	
716	↓	↓	↓	↓	↓	387	
—	SPARE	20/3P	5	6	15/3P SPARE	—	
—	↓	↓	↓	↓	↓	—	
—	SPACE	3P	7	8	3P SPACE	—	
—	↓	↓	↓	↓	↓	—	
—	SPACE	3P	9	10	3P SPACE	—	
—	↓	↓	↓	↓	↓	—	
—	SPACE	3P	11	12	3P SPACE	—	
—	↓	↓	↓	↓	↓	—	
—	SPACE	3P	13	14	3P SPACE	—	
—	↓	↓	↓	↓	↓	—	
51948	TOTAL VA: 68,109 VA	AMPS: 82 AMPS				16161	

PANEL 'PA'				SQUARE 'D' TYPE NQOB INDOOR SURF MTD PANEL RATED 100 AMP AT 120/208V, 3Ø, 4WIRE. PROVIDE 100AMP-3POLE MAIN C/B. S/N BUSSING. LOCKABLE DOOR. 4" DEEP PANEL			
VA	DESIGNATION	C/B		C/B	DESIGNATION	VA	
1000	BENCH LIGHTS - MAIN WORK AREA	20/1P	1	2	20/1P RECEPTACLES - SHOP 116	1000	
500	RECEPTACLES - MAIN WORK AREA 116	20/1P	3	4	20/1P RECEPTACLES - SHOP 116	500	
500	↓	↓	5	6	20/1P SPARE	1000	
1000	EMER. BATTERY LIGHTS	20/1P	7	8	20/1P SPARE	1000	
1000	SPARE	20/2P	9	10	20/2P SPARE	1000	
—	SPACE	20/1P	11	12	1P SPACE	—	
—	—	—	13	14	—	—	
—	—	—	15	16	—	—	
—	—	—	17	18	—	—	
—	—	—	19	20	—	—	
—	—	—	21	22	—	—	
—	—	—	23	24	—	—	
—	—	—	25	26	—	—	
—	—	—	27	28	—	—	
—	—	—	29	30	—	—	
5000	TOTAL VA=10,500 VA = 30AMPS					5500	

THIS SHT CONTAINS PNLS ES, EP, WS, WE & PA

REGISTERED ARCHITECT KRONA, ZIEGLER AND ASSOCIATES Architects and Planners, A.I.A. 3502 So. 15th St. Tacoma, Wa. 98405 752-6604		DRAWN: EMF DATE: 2/3/75 CHECKED: ANB DATE: 7/2/75 APPROVED: <i>Donal L. M...</i> DATE: 2-3-77 CHIEF ENGINEER	PORT OF TACOMA MAINTENANCE BUILDING PHASE II, III CONTENTS: PANEL SCHEDULES SCALE: NONE DRAWING NO. EP-2622-4 SHEET E-12 OF 12
Arnold N. Bogue and Associates Mechanical and Electrical Engineers 4041 Ruston Way, Suite A Tacoma, Wa. 98402 752-7722		FIELD BOOK(S): APPROVED: 4-28-75 DATE: AS BUILT REVISION: BY: APP. DATE:	