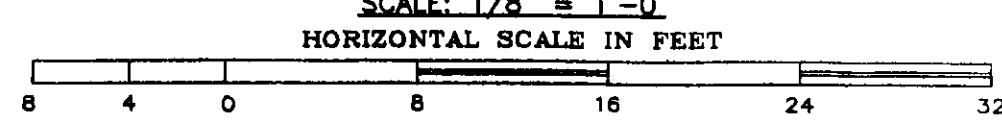
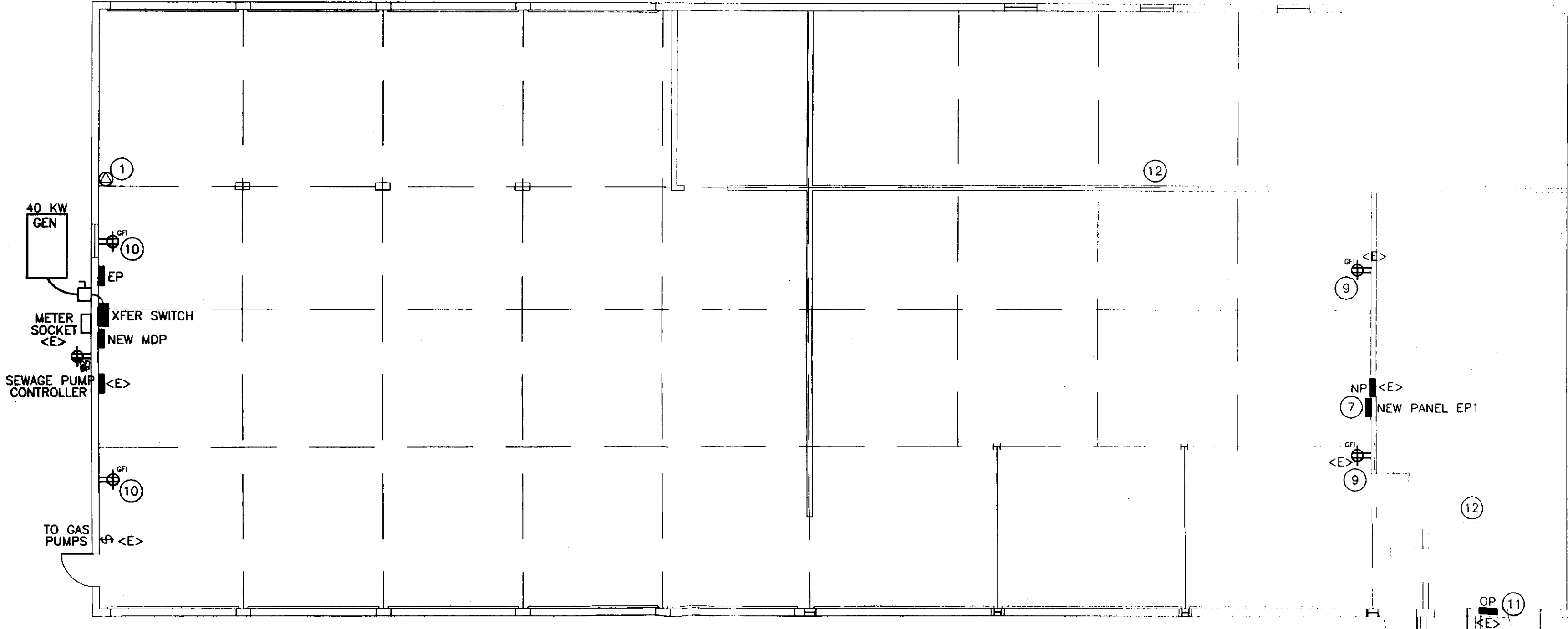


ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
HORIZONTAL SCALE IN FEET

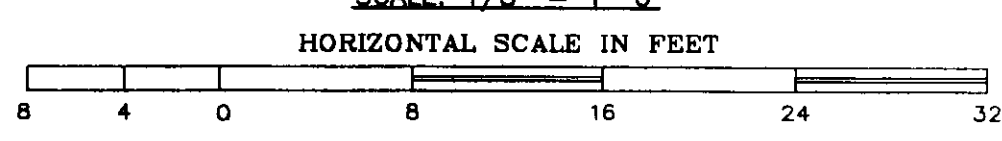


KEYED NOTES:

- 1 REMOVE SP3 & WELDER RECEPTACLES. ONE WELDER RECEPTACLE SHALL REMAIN & BE FED BY NEW PANEL MDP.
- 2 REMOVE SWITCH & CEILING EXHAUST FAN.
- 3 REMOVE SP2, PROVIDE A JB TO EXTEND EXISTING CIRCUITS TO NEW PANELS, REFER TO NEW PANEL SCHEDULES.
- 4 REMOVE PANEL SP1, REROUTE SEWER FEED INTO NEW PANEL, REFER TO PANEL SCHEDULES.
- 5 REMOVE PANEL MDP, REROUTE SEWER FEED INTO NEW PANEL, REFER TO PANEL SCHEDULES.
- 6 PANEL "NP" SHALL REMAIN. THE PANEL IS A MURRAY TYPE S1 PANELBOARD USING SIEMENS TYPE "BL" BREAKERS. TRACE CKT. #13 (OIL PUMP), & CKT. #10 (FURNACE), AND RELABEL CIRCUITS ACCORDINGLY. THERE IS NO OIL PUMP OR FURNACE.
- 7 REMOVE CKT. #5 (LUNCHROOM REFRIGERATOR), CKT. #7 (LUNCHROOM LIGHTS), CKT. #12 (PARTS ROOM OUTLETS), CKT. #20 (LIGHTS), CKT. #22 (OFFICE SUBPANEL), & CKT. #26 (OUTLETS) FROM PANEL "NP" AND FEED FROM NEW PANEL "EP1". PROVIDE SPLICES & JUNCTION BOXES AS REQUIRED.
- 8 REMOVE WATER HEATER METERSOCKET & ALL ASSOCIATED EQUIPMENT, INCLUDING DISCONNECT, WIRING, & CONDUITS.
- 9 PROVIDE NEW RED "GENERATOR" PLATE FOR THIS RECEPTACLE.
- 10 PROVIDE NEW EMERGENCY CIRCUIT & RECEPTACLES, NEW RED "GENERATOR" PLATE FOR THIS RECEPTACLE.
- 11 PROVIDE A NEW GROUND BAR FOR THIS PANEL, SEPARATE ALL NEUTRALS & GROUNDS.
- 12 PROVIDE NEW RED "GENERATOR" PLATE FOR THE RECEPTACLES THAT ARE NOW FED FROM PANEL "EP1". (RADIO, REFRIGERATOR, ETC.)



NEW ELECTRICAL DISTRIBUTION PLAN
SCALE: 1/8" = 1'-0"
HORIZONTAL SCALE IN FEET

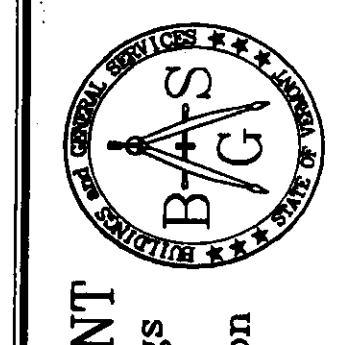


GENERAL DEMOLITION NOTES:

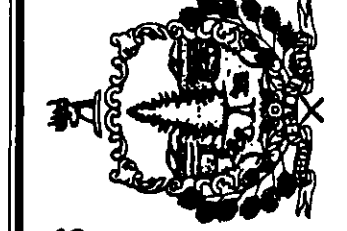
- A. EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE EC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE EC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE EC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
- B. ANY PLACE WHERE THE CONTRACTOR PENETRATES, CUTS AND/OR REMOVES WALLS, CONTRACTOR IS TO REPLACE, PATCH AND PAINT WALLS TO ORIGINAL FINISHES.
- C. FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY ERRORS.
- D. REFER TO THE MECHANICAL PLANS FOR EXTENT OF DEMOLITION WORK TO BE PERFORMED BY OTHER CONTRACTORS. ALL ITEMS THAT NEED TO BE REMOVED, SHALL HAVE THE POWER DISCONNECTED BY THE EC.
- E. NOT ALL DEVICES TO BE REMOVED OR DISCONNECTED ARE SHOWN. REFER TO MECH. PLANS FOR TOTAL EXTENT OF DEMOLITION WORK.
- F. BUILDING IS EXISTING. WIRING IN EXTERIOR WALLS SHALL BE FISHED OR SURFACE-MOUNTED AS NECESSARY. INTERIOR PARTITIONS ARE EXISTING. WIRING IN THESE WALLS MAY NEED TO BE FISHED. VISIT THE SITE FOR FULL EXTENT OF EXISTING CONDITIONS. NO SURFACE RACEWAY TO BE INSTALLED WITHOUT WRITTEN AUTHORIZATION FROM ARCHITECT.
- G. FLOOR PLANS ARE SCHEMATIC IN NATURE. NOT ALL ROOMS, PARTITIONS, DOORS, WINDOWS, AND FEATURES ARE SHOWN. CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BID DATE.

ELECTRICAL LEGEND

AFG	ABOVE FINISH GRADE
AFF	ABOVE FINISH FLOOR
EC	ELECTRICAL CONTRACTOR (DIVISION 16)
<E>	EXISTING TO REMAIN
WP	WEATHERPROOF, NEMA 3R RATED
GC	GENERAL CONTRACTOR
ES	EQUIPMENT SUPPLIER
TYP.	TYPICAL OF ALL
GEN	GENERATOR
	MOTOR
	DUPLEX RECEPTACLE--GFCI PROTECTED MOUNT @ 24" AFF
	SWITCH - SINGLE POLE
	PANEL
	BRANCH CIRCUIT
	JUNCTION BOX



STATE OF VERMONT
Department of Buildings
and General Services
Agency of Administration
Montpelier, Vermont

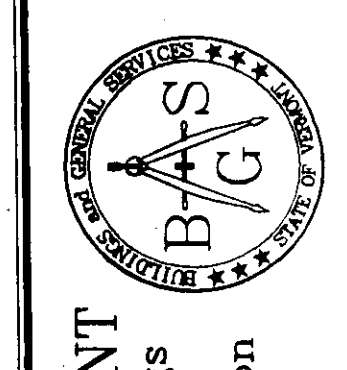
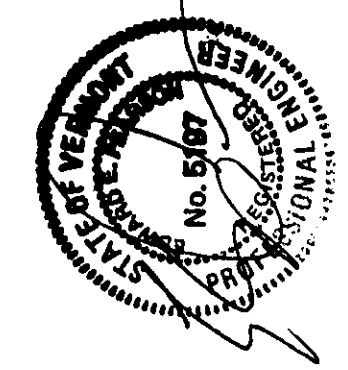


Pearson & Associates
MECHANICAL & ELECTRICAL ENGINEERS
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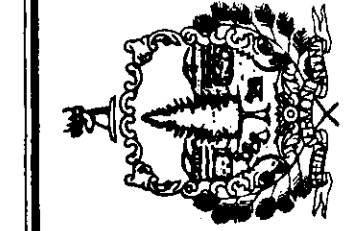
AGENCY OF TRANSPORTATION
ST. ALBANS MAINTENANCE
GARAGE ELECTRICAL RENOVATIONS
ST. ALBANS VERMONT

REVISIONS	
SCALE: AS SHOWN	
DATE: AUG. 2004	
DRAWN BY: ASC	
APPR. BY: EEP	

AGENCY OF TRANSPORTATION
GARAGE & OFFICES
GARAGE ELECTRICAL PLAN



STATE OF VERMONT
 Department of Buildings
 and General Services
 Agency of Administration
 Montpelier, Vermont



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AGENCY OF TRANSPORTATION
 ST. ALBANS MAINTENANCE
 GARAGE ELECTRICAL RENOVATIONS
 VERMONT

REVISIONS
 SCALE: AS SHOWN
 DATE: AUG. 2004
 DRAWN BY: ASG
 APPR. BY: EEP

AGENCY OF TRANSPORTATION
 GARAGE & OFFICES
 DETAILS & SCHEDULES

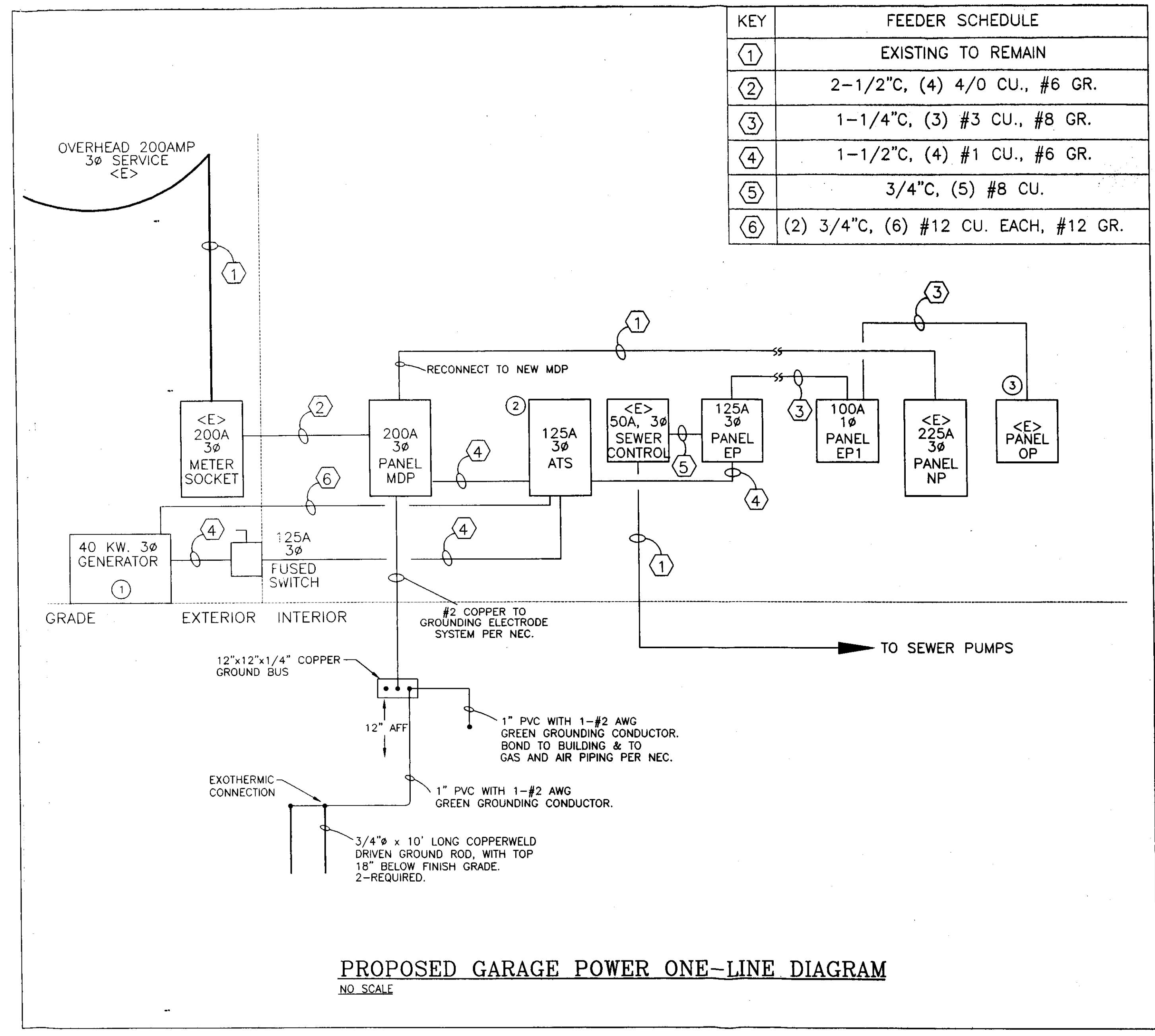
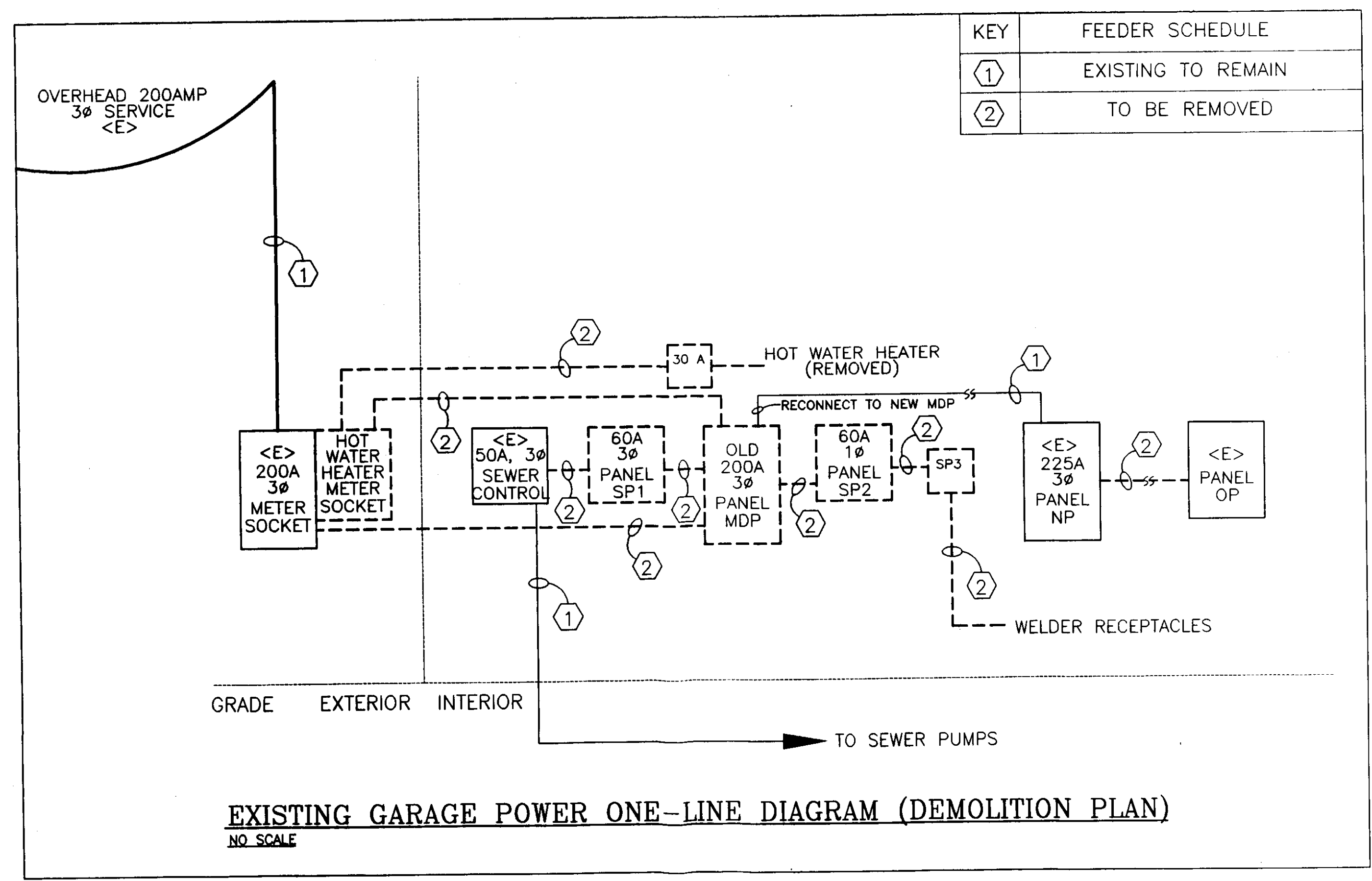
E-2
 2 OF 2

PANEL DESIGNATOR									
PANEL: NEW MDP PANELBOARD 10,000 AIC		LOCATION: GARAGE MOUNTING: SURFACE MAINS: 3 ϕ , 4 WIRE, 120/208v, 42 CKT, 200A MAIN CIRCUIT BREAKER							
CKT NO.	KW LOAD	DESCRIPTION	BREAKER		BREAKER		DESCRIPTION	KW LOAD	CKT NO.
			P	AMP	AMP	P			
1		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		2
3		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		4
5		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		6
7		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		8
9		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		10
11		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		12
13		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		14
15		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		16
17		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		18
19		EXISTING CIRCUIT	1	20	20	1	EXISTING CIRCUIT		20
21		AIR COMPRESSOR	3	50	20	1	EXISTING CIRCUIT		22
23					30	1	EXISTING CIRCUIT		24
25					30	2	EXISTING CIRCUIT		26
27		EXISTING CIRCUIT	1	20	GFI				28
29		EXISTING CIRCUIT	1	20	GFI	20	2	EXISTING CIRCUIT	30
31		WELDER RECEPTACLE	2	50					32
33					20	1	SPARE		34
35		SPARE	1	20	125	3	PANEL EP		36
37		SPARE	1	20					38
39		SPARE	1	20					40
41		SPARE	1	20	20	1	SPARE		42

PANEL DESIGNATOR									
PANEL: EP1 PANELBOARD 10,000 AIC		LOCATION: NEXT TO PANEL NP MOUNTING: SURFACE MAINS: 1 ϕ , 3 WIRE, 120/208v, 12 CKT, 100A MAIN LUGS ONLY							
CKT NO.	KW LOAD	DESCRIPTION	BREAKER		BREAKER		DESCRIPTION	KW LOAD	CKT NO.
			P	AMP	AMP	P			
1		NP CKT #5 (REFRIGERATOR)	1	20	20	1	NP CKT #20 (LIGHTS)		2
3		NP CKT #7 (LUNCH ROOM)	1	20	20	1	NP CKT #26 (OUTLETS)		4
5		NP CKT #12 (PARTS ROOM)	1	20	90	2	OFFICE SUBPANEL "OP"		6
7		SPARE	1	20					8
9		SPARE	1	20			SPACE		10
11		SPARE	1	20			SPACE		12

PANEL DESIGNATOR									
PANEL: EP PANELBOARD 10,000 AIC		LOCATION: GARAGE MOUNTING: SURFACE MAINS: 3 ϕ , 4 WIRE, 120/208v, 20 CKT, 125A MAIN CIRCUIT BREAKER							
CKT NO.	KW LOAD	DESCRIPTION	BREAKER		BREAKER		DESCRIPTION	KW LOAD	CKT NO.
			P	AMP	AMP	P			
1		PANEL EP1	2	100	20	1	SP2 CKT #1, GARAGE DOORS		2
3					20	1	SP2 CKT #2, GARAGE DOORS		4
5		MDP CKT. #12 LIGHTS	1	20	20	1	SP2 CKT #3, GARAGE DOORS		6
7		MDP CKT. #20 GAS PUMP	1	20	20	1	SP2 CKT #5, UNIT HEATERS		8
9		MDP CKT #22 GAS PUMP REC.	1	20	20	1	SP2 CKT #7, UNIT HEATERS		10
11		SEWAGE PUMP CONTROLLER	3	50	20	1	GARAGE OUTLETS		12
13					20	1	SPARE		14
15					20	1	SPARE		16
17		SPACE			20	1	SPARE		18
19		SPACE			20	1	SPARE		20

- KEYED NOTES:**
- OWNER SHALL PURCHASE & INSTALL GENERATOR. ALL WIRING BY EC.
 - OWNER SHALL PURCHASE AUTOMATIC TRANSFER SWITCH. INSTALLATION & ALL WIRING BY EC.
 - NEW FEED TO OFFICE PANEL, PROVIDE GROUND BAR, SEPARATE ALL NEUTRALS AND GROUNDS PER NEC.



KEY	FEEDER SCHEDULE
①	EXISTING TO REMAIN
②	2-1/2" C, (4) 4/0 CU., #6 GR.
③	1-1/4" C, (3) #3 CU., #8 GR.
④	1-1/2" C, (4) #1 CU., #6 GR.
⑤	3/4" C, (5) #8 CU.
⑥	(2) 3/4" C, (6) #12 CU. EACH, #12 GR.

KEY	FEEDER SCHEDULE
①	EXISTING TO REMAIN
②	TO BE REMOVED

PROPOSED GARAGE POWER ONE-LINE DIAGRAM
 NO SCALE

EXISTING GARAGE POWER ONE-LINE DIAGRAM (DEMOLITION PLAN)
 NO SCALE