

ORDINANCE NO. 02-02 AC CMS

AN ORDINANCE AUTHORIZING A CHANGE ORDER TO THE CONTRACT WITH LAKE ERIE ELECTRIC, INC., OF WESTLAKE, OHIO FOR ADDITIONAL ELECTRICAL WORK FOR THE OBERLIN WATER ENVIRONMENT PROTECTION FACILITY PROJECT FOR THE PUBLIC WORKS DEPARTMENT AND DECLARING AN EMERGENCY

BE IT ORDAINED by the Council of the City of Oberlin, County of Lorain, State of Ohio, five-sevenths (5/7ths) of all members elected thereto concurring:

SECTION 1. That the City Manager is hereby authorized and directed to authorize additional work pursuant to the contract with Lake Erie Electric, Inc., of Westlake, Ohio, for improvements to the Oberlin Water Protection Facility for additional electrical work in the amount of \$17,098.39, in accordance with the change order attached hereto and incorporated herein by reference.

SECTION 2. It is hereby found and determined that all formal actions of this Council concerning or related to the adoption of this Ordinance were adopted in an open meeting of this Council and that all deliberations of this Council and of any of its committees that resulted in such formal action, were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

SECTION 3. That this Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, safety, and welfare of the citizens of Oberlin, Ohio, to wit:

"to authorize necessary additional work which was discovered during construction and to provide for the usual daily operation of a municipal department", and shall take effect immediately upon passage.

PASSED: 1st Reading - January 7, 2002 (E)
2nd Reading -
3rd Reading -

ATTEST:

Crystal Howard
CLERK OF COUNCIL

William J. Jackson
CHAIR OF COUNCIL

POSTED: January 8, 2002

EFFECTIVE DATE: January 8, 2002



1100 Superior Avenue
Suite 620
Cleveland, Ohio 44114
Phone: (216) 579-0404
Fax: (216) 579-0414

MEMORANDUM

To: Jeff Baumann, City of Oberlin
Maria Wossilek, City of Oberlin
Mark Stedfeld, OEPA-DEFA
Roland Roberts, OEPA-DEFA

From: Ed St. John

Subject: Oberlin WEPF Improvements Project - Change Order 6 - Items 6.1 and 6.2
for Contract 96-2 *Lake Erie Electric, Inc.*

Date: 28 December 2001

File: 20653 - 33976

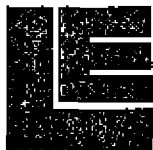
No. of Pages: 1

The purpose of this memorandum is to describe each item in Change Order 6 and to identify associated costs. This change order increases the scope of work of the above referenced Contract and warrants additional compensation to the Contractor - Lake Erie Electric, Inc. Drawings and Contractor's cost estimates for each item are attached to this memo. Authorization of Change Order 6 by the Oberlin City Council is anticipated on January 7, 2002

6.1 - Electrical Work in Grit Building Addition - The cost for relocating the Grit Building Motor Control Center (MCC) to the new building addition was part of Change Order 5 (Item 5.2). The scope of work for this item includes providing the new fire alarm system and providing power to the unit heater, ventilating fan, motorized louver, thermostats, lighting, and the fire alarm system. The scope of work does not include the furnishing and installation of a new lighting panel; this will be a part of a separate change order. The cost for this item is \$16,623.35.

6.2 - Plant Effluent Flowmeter Modifications - The plant effluent flowmeter, located in the 30-inch diameter outfall pipe, apparently does not work properly allegedly as the result of the conduit carrying its power and signal wiring being improperly located. The flowmeter representative has recommended relocation of the conduit (currently positioned directly above the flow sensor) to a 2 o'clock position to eliminate interference. The scope of work for this item includes modifications to the conduit and wiring. The cost for this item is \$475.04.

Total cost for Change Order 6 = \$ 17,098.39



Lake Erie Electric, Inc.

Contractors and Engineers

ISO 9002 Registered

25730 First Street, PO Box 450859, Westlake, Ohio 44145 Phone: 440-835-5565 Fax: 440-835-5688

Established 1952

Camp, Dresser & McKee
55 Erieview Plaza, Suite 300
Oberlin, OH 44114

December 21, 2001

Attention: Mr. Edward J. St. John, P.E.

Reference: Water Environment Protection Facility
City of Oberlin
Electrical Revisions at Grit Building
Our Estimate No. 110-126-E41-R1

Gentlemen:

We propose to furnish the necessary material, labor, supervision, and tools for the above referenced project for the LUMP SUM amount of:

SIXTEEN THOUSAND SIX HUNDRED TWENTY-THREE AND 35/100 DOLLARS.....
.....**\$16,623.35**

Our breakdown is as follows:

Labor:	137 hrs. @ \$38.40	=	\$ 5,260.80
Insurance & Tax:	+ 21.61%	=	1,136.86
Consumable Material:	+ 4%	=	210.43
Tools (Less than \$1000.)	137 hrs. @ \$2.00	=	274.00
Material:		=	<u>7,573.00</u>
Cost:			\$14,455.09
Overhead & Profit:	+ 15%	=	<u>2,168.26</u>
Total Addition:			\$16,623.35

We thank you for the opportunity of submitting this proposal and trust it will merit your favorable consideration.

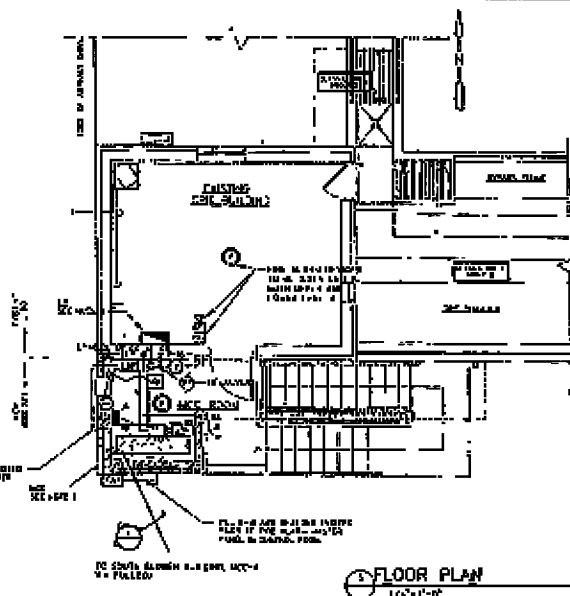
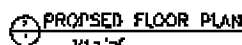
Sincerely,

LAKE ERIE ELECTRIC, INC.

Mark G. Keller
Project Manager

/jg

LINE	DESCRIPTION	QUANTITY	MATERIAL			LABOR		
			PRICE	PER	EXTENSION	MAN HRS	PER	EXTENSION
1								
2	TYPE "A" 4' FLUOR. FIXTURE	1	64.00	E	64.00	2.00	E	2.00
3	TYPE "BU" EMERG. LITE FIXTURE	1	217.00	E	217.00	2.00	E	2.00
4	TYPE "BR" REMOTE DUAL LITE HEAD	1	44.00	E	44.00	2.00	E	2.00
5	FIXTURE MTD. SUPT.	3	10.00	E	30.00	0.50	E	1.50
6								
7	DISC. & REMOVE EXISTING DOOR LITE	1	0.00	E	0.00	1.00	E	1.00
8	REINSTALL EXISTING DOOR LITE	1	10.00	E	10.00	1.50	E	1.50
9	EXTEND & CONNECT CKT TO LITE	1	25.00	E	25.00	2.00	E	2.00
10								
11								
12	3.3 KW 240 V. ELECTRIC UNIT HEATER							
13	WITH INTEGRAL TSTAT	1	348.00	E	348.00	4.00	E	4.00
14	MOUNTING BRKT. & SUPT	1	35.00	E	35.00	1.00	E	1.00
15								
16	SIMPLEX FIRE ALARM PACKAGE	1	5,575.00	E	5,575.00	0.00	E	0.00
17	SMOKE DETECTOR SIMPLEX	3	0.00	E	0.00	2.00	E	6.00
18	MANUAL PULL STATION SIMPLEX	3	0.00	E	0.00	2.00	E	6.00
19	HORN / STROBE UNITS SIMPLEX	3	0.00	E	0.00	2.00	E	6.00
20	FIRE ALARM CONTROL PNL SIMPLEX	1	0.00	E	0.00	6.00	E	6.00
21	MISC. MOUNTING MATL. & SUPT.	10	10.00	E	100.00	0.50	E	5.00
22	REVISE EXISTING FIRE ALARM ANN.	1	0.00	E	0.00	2.00	E	2.00
23	TEST / CHECK / START - UP	1	0.00	E	0.00	4.00	E	4.00
24								
25	MANUAL MOTOR STARTER	2	123.00	E	246.00	1.80	E	3.60
26	MISC. MOUNTING MATL. & SUPT	2	5.00	E	10.00	0.50	E	1.00
27	OVER LOAD HEATERS	4	8.50	E	34.00	0.08	E	0.32
28								
29	120 V. 20 A. DUPLEX RECEPTACLE	1	5.71	E	5.71	0.60	E	0.60
30	120 V. 20 A. LIGHT TOGGLE SWITCH	1	4.50	E	4.50	0.50	E	0.50
31	CAST "FS" BOX WITH 3/4" HUB	2	11.05	E	22.10	0.75	E	1.50
32	STEEL COVER PLATES	2	2.20	E	4.40	0.10	E	0.20
33	MISC. MOUNTING MATL. & SUPT	2	1.50	E	3.00	0.15	E	0.30
34								
35	CONNECT EXHAUST FAN	1	10.00	E	10.00	1.00	E	1.00
36	INSTALL EXH. FAN THERMOSTAT	1	49.00	E	49.00	1.00	E	1.00
37	MISC. MOUNTING MATL. & SUPT	1	2.00	E	2.00	0.25	E	0.25
38								
39	1/C # 12 600 V. CU XHHW WIRE	600	85.18	M	51.11	8.00	M	4.80
40	WIRE TERMINATIONS	36	0.40	E	14.40	0.15	E	5.40
41								
42	# 16 2/C NON-SHLD FIRE ALARM WIRE	250	122.00	M	30.50	12.00	M	3.00
43	# 16 TW SHLD PR. FIRE ALARM WIRE	900	289.14	M	260.23	14.00	M	12.60
44	WIRE TERMINATIONS	24	0.40	E	9.60	0.20	E	4.80
45								
46	3/4" RIDGED ALUM CONDUIT	180	75.32	C	135.58	12.00	C	21.60
47	3/4" RIDGED CONDUIT SUPT.	26	1.88	E	48.88	0.10	E	2.60
48	3/4" CONDUIT TERMINATION	24	3.50	E	84.00	0.25	E	6.00
49	3/4" RIDGED 90 ELL W/ COUP	11	3.75	E	41.25	0.20	E	2.20
50	3/4" CONDUIT PENETRATION	7	5.00	E	35.00	0.50	E	3.50
51	3/4" SEALTITE @ 24" LG W/ 2-CONN	2	12.00	E	24.00	1.00	E	2.00
52								
53	LOCATE & PREPARE EXISTING UNDER							
54	GROUND CONDUIT FOR FIRE ALARM T	1	0.00	E	0.00	6.00	E	6.00
55								
TOTALS			SUBCONTRACT		MATERIAL	LABOR		
			0		7,573	137		



LIGHTING FIXTURE SCHEDULE					
LINE	QUANTITY	DESCRIPTION	REMARKS	DATE	BY
01	2-1/2" x 4-1/2"	2-1/2" x 4-1/2" RECESSED DOWNLIGHT	1-1/2" x 4-1/2" x 1-1/2"	01-10-1988	01-10-1988
02	1-1/2" x 4-1/2"	1-1/2" x 4-1/2" RECESSED DOWNLIGHT	1-1/2" x 4-1/2" x 1-1/2"	01-10-1988	01-10-1988
03	1-1/2" x 4-1/2"	1-1/2" x 4-1/2" RECESSED DOWNLIGHT	1-1/2" x 4-1/2" x 1-1/2"	01-10-1988	01-10-1988
04	1-1/2" x 4-1/2"	1-1/2" x 4-1/2" RECESSED DOWNLIGHT	1-1/2" x 4-1/2" x 1-1/2"	01-10-1988	01-10-1988

[illegible]

1) FOLKLORE AND FOLK ARTS: FOLKLORE AND FOLK ARTS ARE THE
TRADITIONAL EXPRESSIONS OF THE CULTURE OF A PEOPLE.
THEY ARE THE RESULT OF THE COLLECTIVE IMAGINATION OF A
COMMUNITY.

2) FOLKLORE AND FOLK ARTS ARE THE EXPRESSION OF THE
CULTURE OF A PEOPLE.

3) FOLKLORE AND FOLK ARTS ARE THE EXPRESSION OF THE
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4) FOLKLORE AND FOLK ARTS ARE THE EXPRESSION OF THE
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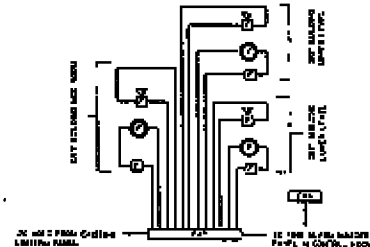
7) FOLKLORE AND FOLK ARTS ARE THE EXPRESSION OF THE
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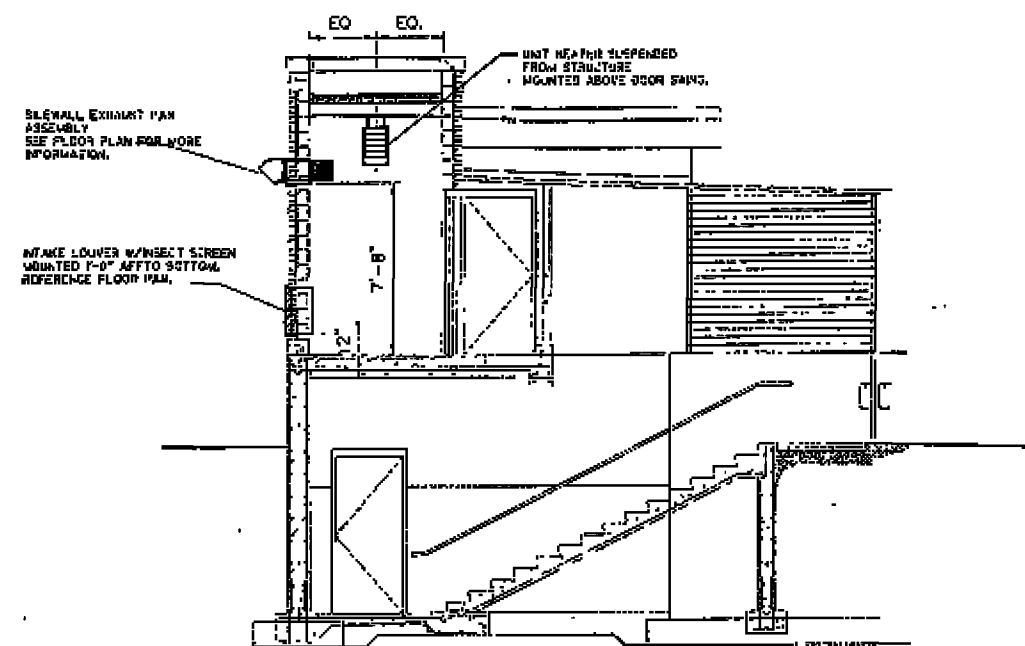
9) FOLKLORE AND FOLK ARTS ARE THE EXPRESSION OF THE
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10) FOLKLORE AND FOLK ARTS ARE THE EXPRESSION OF THE
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- ▶ **SAFE TENSION**
- ▶ **INITIAL PRE STRESSING Force / Tension**
- ▶ **POST-TENSION CHARACTERISTICS**
- ▶ **PRE STRESSING FORCE, DEFLECTION, CRACKS**
- ▶ **NO. STRESS PARAMETERS**
- ▶ **FORWARD PASS**
- ▶ **BACKWARD PASS**
- ▶ **RECURSIVE**
- ▶ **NUMERICAL ERROR ESTIMATION with deflection and cracks**



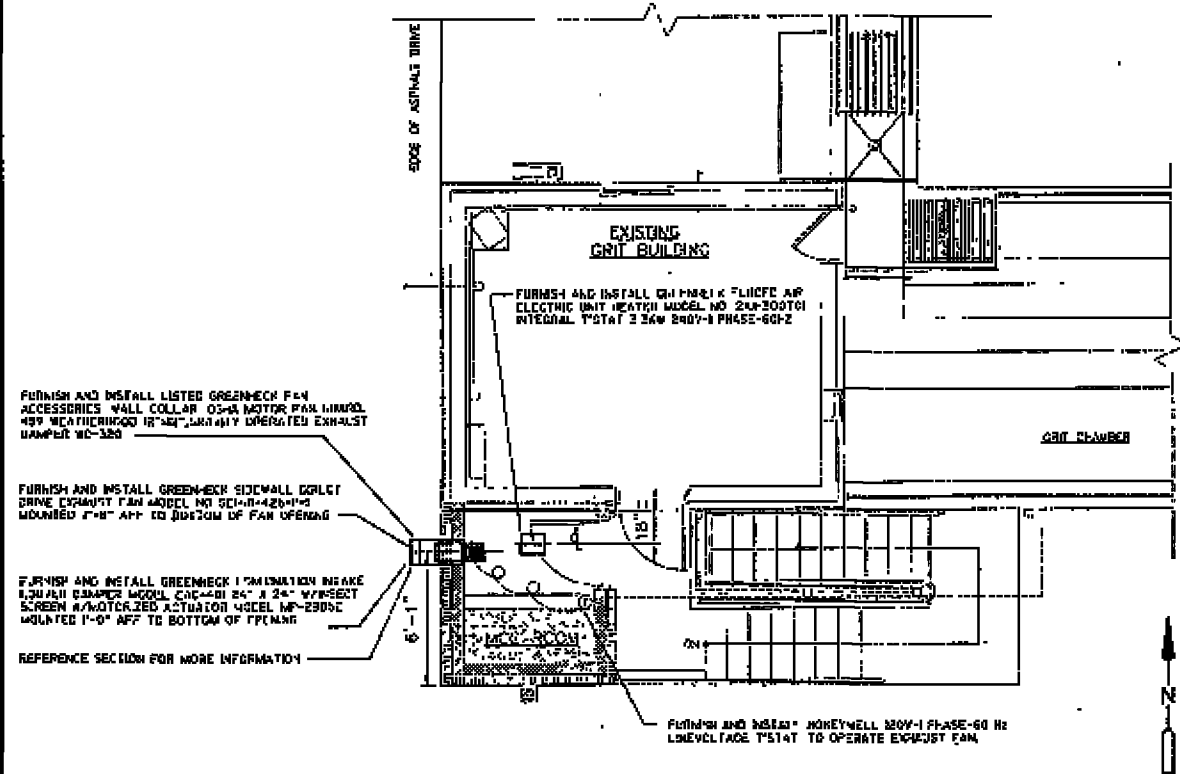
FIRE ALARM RISEN DIAGRAM



SECTION B-B
1/4"=1'-0"



 SECTION _____



2 PROPOSED FLOOR PLAN
1/4"=1'-0"

EXHAUST FAN SCHEDULE								
QTY	MODEL	VOLUME (CFM)	SP (in -g.)	FPSH	MOTOR INFORMATION			
					SIZE (hp.) 1/3u	V/C/P 115°/60/1	ENCLOSURE drip	RPM 1050
1	SE1-10-4-29-P-1	345	0.3	1,853				

LIGHTING FIXTURE SCHEDULE					
TYPE	LAMPS	DESCRIPTION	ACCEPTABLE MANUFACTURER'S CATALOG NUMBERS		REMARKS
			+ ADD VOLTAGE		
A	2-52 TB RS	FLUORESCENT INDUSTRIAL UNIT WITH 40W'S PLUG IN PORCELAIN ENAMEL REFLECTOR	LITONIA AFQ29JEP0 = SSA	JABORTE F232-FR-IES	100420-PENAL = CELINE PENAL
NJ		12-VOLT MAINTENANCE FREE LEAD ACID BATTERY UNIT WITH 60 WATT MINIMUM CAPACITY AND -AVE. A VOLTMETER WITH 2-HALOGEN HEADS 12 WATTS	EMERSON-LITE E-20V	LITONIA E-125V	CH-6002 TOL-60V
RL		12 WATT, 12 VOLT, HALOGEN, HEIGHT ADJUSTABLE WALL LIGHTING HEADS SUITABLE FOR WEATHER-PROOF APPLICATIONS	EMERSON-LITE EF-II	DUAL E25 BS	CILWHIDE WP-AP

PANELBOARD LP IN NEMA-4 ENCLOSURE

LOCATION GHT BUILDING

150 AMP BUS RATING 150 AMP MAIN C/B
120/240 VOLTS 1 PH. 3 WIRE 60 HZ.

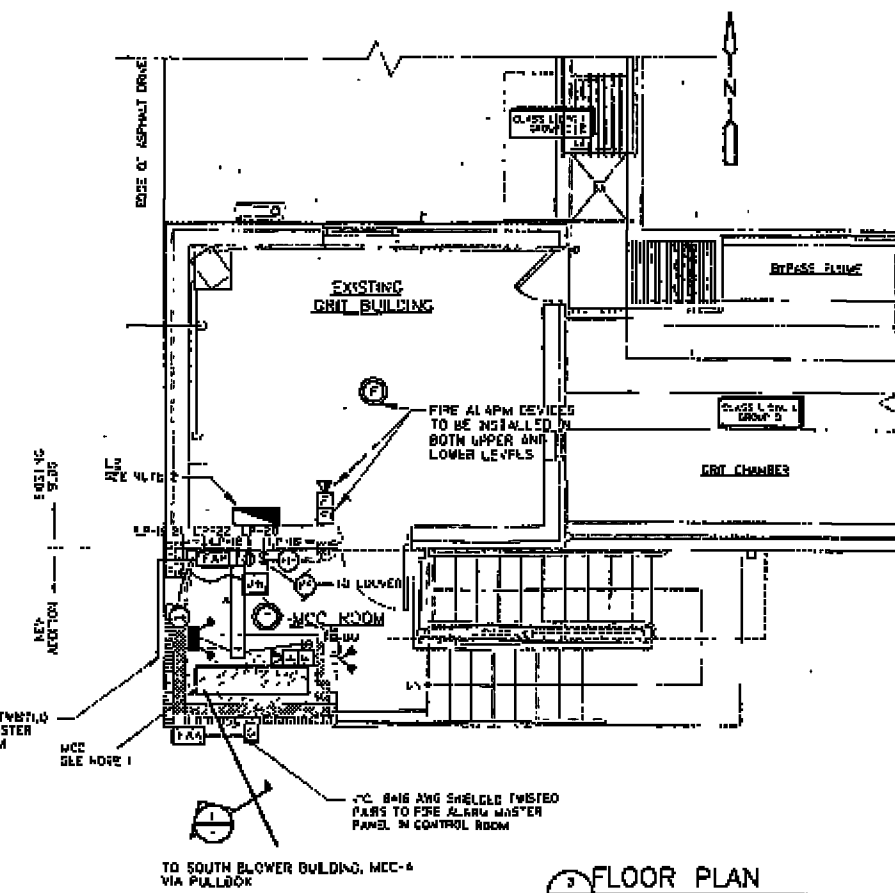
10,000 KA SHORT CIRCUIT RATING 32 POLES
SURFACE MOUNTED

DESCRIPTION	TERMS		SERIAL		CIRCUIT	TERMS		SERIAL		CIRCUIT	DESCRIPTION	TERMS		SERIAL		CIRCUIT
	L1	L2	1	2		L1	L2	1	2			L1	L2	1	2	
LIGHTING INTERIOR	8			15	1	20/1	4				LIGHTS BOUTIN ROOM					
LIGHTS LOADING AREA	8			20/1	2	20/1	4				LIGHTS EAST DOOR					
HQDF PLUMB, ALUM	8			20/1	3	20/1	4				RECEPTABLES					
LMT HEATER		15		20/2	4	20/1	4				PIC.					
	15				5	20/1	4				TOTALIZED, PH & TUMP. PROBES					
PUMPS	1			20/1	6	20/2	4				220V OUTLET BASEMENT PLUMB					
220V OUTLET FOR WELDER	15			20/2	7											
		15			8	20/1	4				MCC ROOM EXHAUSE FAN					
SAMPLE PUMP	1			15/1	9	20/1	4				MCC ROOM LIGHTING					
MCC ROOM LMT HEATER		15		20/2	10	20/1	4				MCC ROOM RECEPTABLE					
	15				11	20/1	4				MCC ROOM ALARMS PANEL					
SPARE				20/1	12	20/1	4				SPARE					
SPARE				20/1	13	20/1	4				SPARE					
SPARE				20/1	14	20/1	4				SPARE					
SPARE				20/1	15	20/1	4				SPARE					
SPARE				20/1	16	20/1	4				SPARE					
				20/1	17	20/1	4				SPARE					
				20/1	18	20/1	4				SPARE					
				20/1	19	20/1	4				SPARE					
				20/1	20	20/1	4				SPARE					
				20/1	21	20/1	4				SPARE					
				20/1	22	20/1	4				SPARE					
				20/1	23	20/1	4				SPARE					
				20/1	24	20/1	4				SPARE					
				20/1	25	20/1	4				SPARE					
				20/1	26	20/1	4				SPARE					
				20/1	27	20/1	4				SPARE					
				20/1	28	20/1	4				SPARE					
				20/1	29	20/1	4				SPARE					
				20/1	30	20/1	4				SPARE					
				20/1	31	20/1	4				SPARE					

TOTAL CONNECTED KVA 8.7

SEEKING FINANCY COUNCILS

DATE 04-10-04



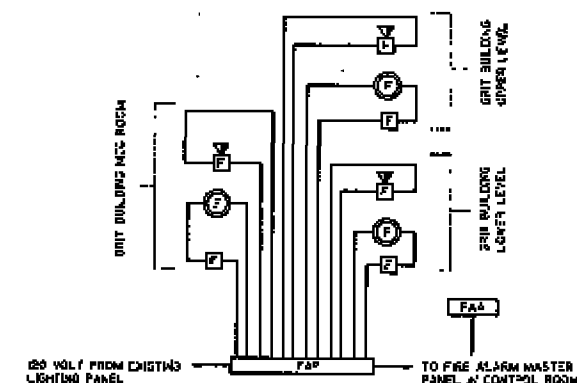
3 FLOOR PLAN
1/4"=1'-0"

PLAN NOTES:

- ① FURNISH AND INSTALL COMPLETE AND OPERATIONAL EXHAUST ASSEMBLY, INCLUDING ASSEMBLY, AND UNIT AGAIN IN THE MANUFACTURER'S RECOMMENDATIONS
 - ② COORDINATE INSTALLATION WITH OTHER TRADES PRIOR TO ANY INSTALLATION
 - ③ ALL CABLE WIRE AND CONDUIT FOR CONDUITS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- NOTES:
1. MOVE EXISTING MCC FROM ITS PRESENT LOCATION IN EXISTING BAY BUILDING, EXCEPT EXISTING CONDUITS AND WIRE TO NEW MCC LOCATION.
 2. DISCONNECT EXISTING WIRING FROM EXISTING EXHAUST PANEL "1-P", REPLACE EXISTING PANEL "1-P" WITH NEW 120/240 VOL. 1 PHASE 3 WIRE 100 AMP PANELBOARD IN PANEL-4 ENCLOSURE WITH BRANCHED CIRCUIT BREAKERS AS SHOWN ON PANEL SCHEDULE. RECONNECT EXISTING WIRE TO NEW PANELBOARD.
 3. CONDUIT AND WIRE FOR FURNACES FANS THERMISTATE, SWITCHES AND/OR NEW FANER SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND SHALL BE:
 - a. 1/2 INCH CONDUIT RUN
 - b. NO. 12 COPPER WIRE TYPE "TITAN/TITAN"
 - c. NO. 6 WIRE AS REQUIRED

LEGEND

- | | |
|---|--|
|  | SMOKE DETECTOR |
|  | MANUAL FIRE ALARM PULL STATION |
|  | AUDIO-VISUAL HORN/STROKE UNIT |
|  | FIRE ALARM PANEL SIMPLEX-400A 4PAGES |
|  | FIRE ALARM ANNUNCIATOR |
|  | EXHAUST FAN |
|  | ELECTRIC UNIT RATING |
|  | THERMISTOR |
|  | MANUAL MOTOR STARTER WITH OVERLOAD HEATER
2 - 2 POLES |



FIRE ALARM RISER DIAGRAM