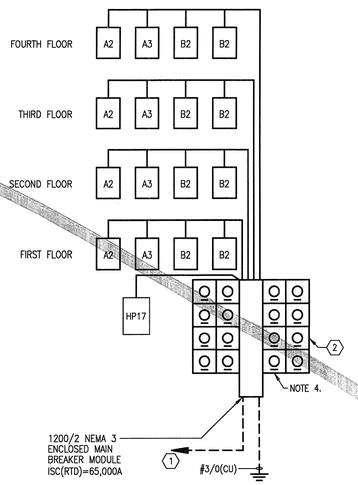
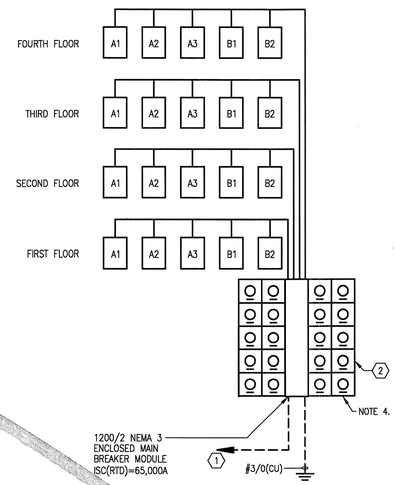
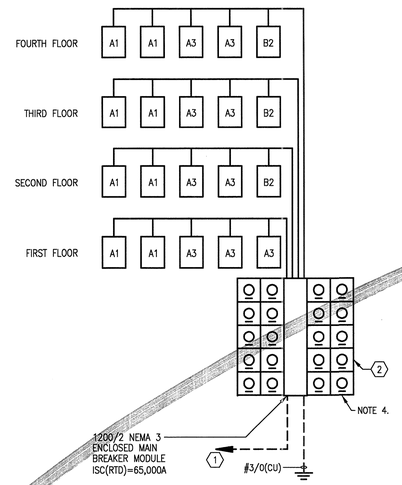


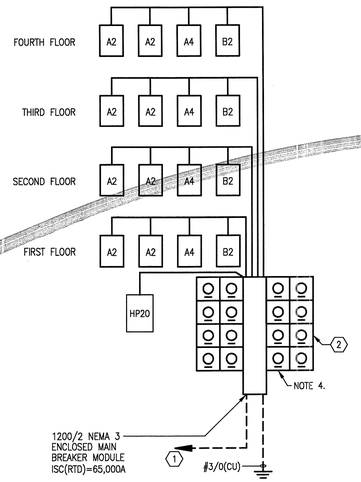
1 METER CENTER 17
SCALE: NOT TO SCALE



2 METER CENTER 18
SCALE: NOT TO SCALE



3 METER CENTER 19
SCALE: NOT TO SCALE



4 METER CENTER 20
SCALE: NOT TO SCALE

HOUSE PANEL FEEDER SCHEDULE

HOUSE PANEL	FEEDER (S.E.R. AL)	OVERCURRENT PROTECTION
HP1a	3#3/0, 1#4G	125/2
HP1b	3#1/0, 1#6G	100/2
HP2	3#1/0, 1#6G	100/2
HP4	3#1/0, 1#6G	100/2
HP5	3#3/0, 1#4G	125/2
HP12	3#3/0, 1#4G	125/2
HP15a	3#1/0, 1#6G	100/2
HP16a	3#3/0, 1#4G	125/2
HP17	3#3/0, 1#4G	125/2
HP20	3-300KCMIL, 1#2G	225/2

UNIT FEEDER SCHEDULE

UNIT PANEL	FEEDER (S.E.R. AL)	OVERCURRENT PROTECTION
A1	3#1/0, 1#6G	100/2
A1R	3#1/0, 1#6G	100/2
A2	3#1/0, 1#6G	100/2
A3	3#1/0, 1#6G	100/2
A4	3#1/0, 1#6G	100/2
B1	3#2/0, 1#6G	110/2
B2	3#2/0, 1#6G	110/2
B3	3#3/0, 1#4G	125/2
E1	3#1/0, 1#6G	100/2
E1R	3#1/0, 1#6G	100/2

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

DESCRIPTION		CONDUCTORS	STARTER/ DISCONNECT	NOTES
AH/CU-A1, A2, B1A, B1B, B2A, B2B, E1	AH	2#8, 1#10G, 3/4"C.	BY DIV. 15	.
	CU	2#12, 1#12G, 3/4"C.	20/2/3R	.
AH/CU-A1R, A2SP, A3 A4, B3A, B3B, E1R	AH	2#6, 1#10G, 1"C.	BY DIV. 15	.
	CU	2#10, 1#10G, 3/4"C.	30/2/3R	.
AH/CU-1, 2, 3, 4	AH	2#4, 1#8G, 1-1/4"C.	BY DIV. 15	.
	CU	2#4, 1#8G, 1-1/4"C.	60/2/3R	.
AH-T, AH-S, AH-T2 AH-FP, AH-L	AH	2#10, 1#10G, 1"C.		
	CU	2#10, 1#10G, 1"C.	INTEGRAL	.
RTU-1 THRU 8		3#6, 1#10G, 1"C.	BY DIV. 15	.
EF-1, 2, 3, T		3#12, 1#12G, 3/4"C.	ϕ_N	.
EH-A		3#10, 1#10G, 3/4"C.	30/2/1	.
EH-B		3#12, 1#12G, 3/4"C.	30/2/1	.
F-CR		3#12, 1#12G, 3/4"C.	20/1/20	.
EF-A		3#6, 1#10G, 1"C.	60/3/3R/50	.
EF-B		2#12, 1#12G, 3/4"C.	ϕ_N	WEATHER PROOF
EF-C THRU F		2#12, 1#12G, 3/4"C.	ϕ_N	WEATHER PROOF
BP-1		3#1, 1#6G, 1-1/2"C.	100/3/3R	.

GENERAL NOTES:

1. THE 10 KAIC BREAKERS IN THE LOAD CENTERS AND THE 22 KAIC BREAKERS AT THE METERS SHALL BE SERIES RATED WITH THE 65 KAIC MAIN SERVICE BREAKERS FOR 65 KAIC PROTECTION AT THE LOAD CENTER AND METER. METER CENTERS AND LOAD CENTERS SHALL BE U.L. LISTED AND LABELED FOR THIS PURPOSE.
2. CONTRACTOR SHALL PROVIDE A PLAQUE AT EACH SERVICE LOCATION DENOTING LOCATION FOR ALL OTHER SERVICES AT EACH BUILDING.
3. PRIOR TO FINAL ORDERING OF PANELBOARDS, CIRCUIT BREAKERS, AND ALL ASSOCIATED EQUIPMENT, THE CONTRACTOR SHALL ARRANGE FOR AND PROVIDE TO THE ELECTRICAL ENGINEER OF RECORD VIA THE ARCHITECT A LETTER FROM THE LOCAL POWER COMPANY ON THEIR LETTERHEAD STATING THE SHORT CIRCUIT FAULT CURRENT AVAILABLE AT THE SECONDARY OF THE UTILITY COMPANY TRANSFORMER. INFORMATION SHALL BE USED TO DETERMINE THE FINAL A.I.C. RATINGS OF THE PANELBOARDS, METER CENTERS, MAIN DISCONNECT SWITCHES, AND CIRCUIT BREAKERS.

KEY NOTES:

(1) NOTE THAT POWER COMPANY PAD-MOUNTED TRANSFORMERS CAN ACCEPT A LIMITED NUMBER OF SECONDARY CONDUITS, THEREFORE, PROVIDE SERVICE ENTRANCE LATERALS AS FOLLOWS:

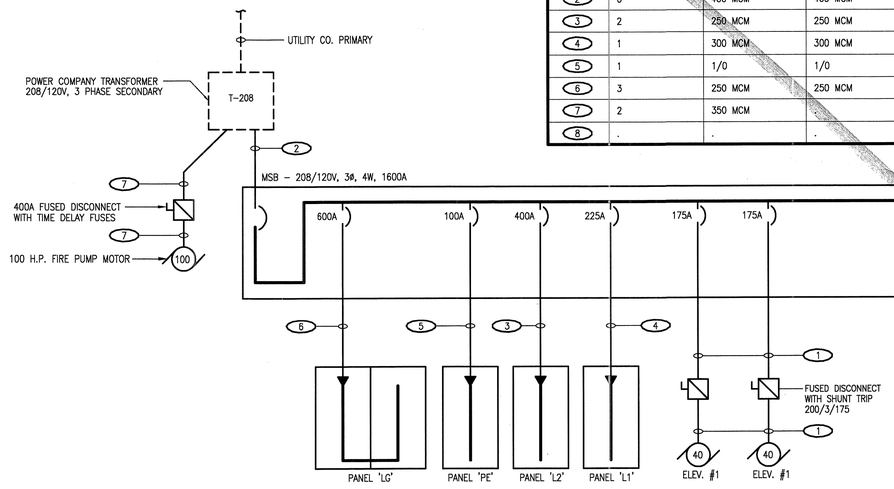
600A METER CENTER: (2 SETS) 3 #500MCM (AL, S.E.R.); 600A MAIN BREAKER.
800A METER CENTER: (3 SETS) 3 #400MCM (AL, S.E.R.); 800A MAIN BREAKER.
1000A METER CENTER: (3 SETS) 3 #600MCM (AL, S.E.R.); 1000A MAIN BREAKER.
1200A METER CENTER: (4 SETS) 3 #500MCM (AL, S.E.R.); 1200A MAIN BREAKER.
1600A METER CENTER: (4 SETS) 3 #600MCM (AL, S.E.R.); 1600A MAIN BREAKER.

(2) CONTRACTOR SHALL FURNISH AND INSTALL U.L. LISTED, SERIES CONNECTED RATED, CURRENT LIMITING CIRCUIT BREAKERS WITH AMPERE RATINGS INDICATED. BREAKER SHALL BE TESTED TO PROTECT DOWNSTREAM EQUIPMENT AT RATINGS INDICATED.

(3) PROVIDE 240 VOLT, 1-PHASE MAINS AND HOUSE PANELS, WITH SINGLE-PHASE, 240 VOLT SERVICE TO INDIVIDUAL UNITS. JSE TO COORDINATE ENTIRE SERVICE ENTRANCE INSTALLATION WITH POWER COMPANY, BUILDING OFFICIAL(S), AND/OR LOCAL (ELECTRICAL) AHJ.

SCHEDULE OF FEEDERS (AL, U.N.O.)

FEEDER NUMBER	NUMBER OF SETS	PHASE CONDUCTOR SIZE	NEUTRAL CONDUCTOR SIZE	GROUNDING EQUIPMENT CONDUCTOR SIZE	CONDUIT SIZE
(1)	1	250 MCM	.	#4	2-1/2"
(2)	6	400 MCM	400 MCM	#350	4"
(3)	2	250 MCM	250 MCM	#1	3"
(4)	1	300 MCM	300 MCM	#2	3"
(5)	1	1/0	1/0	#6	2"
(6)	3	250 MCM	250 MCM	#2/0	3"
(7)	2	350 MCM	.	#1/0	3"
(8)	.	.	.	.	.



5 208/120V SINGLE LINE DIAGRAM
SCALE: NOT TO SCALE

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Texas Firm Registration # F-4990
Checked By: RAD

STATE OF TEXAS
ROSS McFARLAND
108752
LICENSED PROFESSIONAL ENGINEER
10/21/11

REVISIONS

1	9-2-2011	DESIGN REVISIONS
2	9-13-2011	ANSI/FHA COMMENTS
3	9-23-2011	DESIGN REVISIONS
4	10-17-2011	CONSTRUCTION ISSUE

KELLER SPRINGS LOFTS

LOFT APARTMENTS IN ADDISON, TEXAS

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DATE
08-05-11

PROJECT
11129

SHEET NUMBER
E-1.3

RISERS