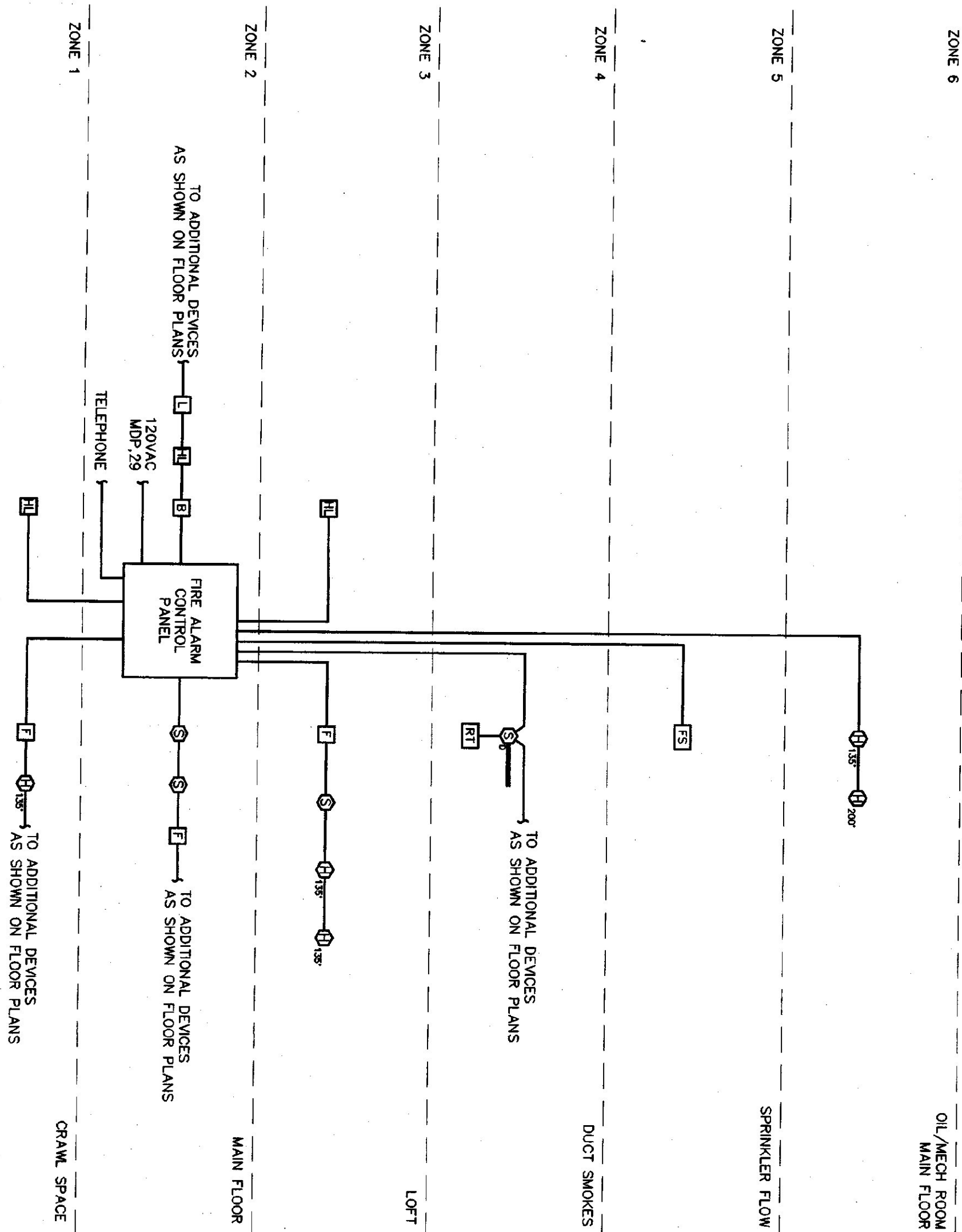


ELECTRICAL ONE-LINE DIAGRAM

NOTES:
1. REFER TO PHASE CONVERTER WIRING DIAGRAM ON DRAWING E-7 AND SPECIFICATION FOR MORE INFORMATION.

WIRE AND CONDUIT SCHEDULE							
HEX #	WIRE	CONDUIT	MAX AMP RATING	HEX #	WIRE	CONDUIT	MAX AMP RATING
1	(3)#12 + (1)#26	3/4"	20	16	(4)#10 + (1)#6G	2"	150
2	(4)#12 + (1)#26	3/4"	20	17	(3)#20 + (1)#6G	2"	175
3	(3)#10 + (1)#10G	3/4"	30	18	(4)#20 + (1)#6G	2"	175
4	(4)#10 + (1)#10G	3/4"	30	19	(3)#50 + (1)#6G	2-1/2"	200
5	(3)#8 + (1)#10G	3/4"	50	20	(4)#30 + (1)#6G	2-1/2"	200
6	(4)#8 + (1)#10G	3/4"	50	21	(3)#40 + (1)#4G	2-1/2"	230
7	(3)#8 + (1)#8G	1"	65	22	(4)#40 + (1)#4G	2-1/2"	230
8	(4)#8 + (1)#8G	1"	65	23	(3)250KCMIL + (1)#4G	2-1/2"	255
9	(3)#4 + (1)#8G	1-1/4"	85	24	(4)250 KCMIL + (1)#4G	2-1/2"	255
10	(4)#4 + (1)#8G	1-1/4"	85	25	(3)300 KCMIL + (1)#4G	3"	285
11	(3)#3 + (1)#8G	1-1/4"	100	26	(4)300 KCMIL + (1)#4G	3"	285
12	(4)#3 + (1)#8G	1-1/4"	100	27	(3)350 KCMIL + (1)#4G	3"	300
13	(3)#1 + (1)#6G	1-1/2"	130	28	(4)350 KCMIL + (1)#4G	3"	300
14	(4)#1 + (1)#6G	1-1/2"	130	29	(3)900 KCMIL + (1)#3G	4"	400
15	(3)#10 + (1)#6G	2"	150	30	(4)900 KCMIL + (1)#3G	4"	400



FIRE ALARM RISER DIAGRAM

NOTES:
1. FIRE ALARM RISER IS DIAGNOSTIC AND PARTIAL IN CONTENT AND IS INTENDED TO ILLUSTRATE THE METHOD OF SYSTEM DISTRIBUTION ONLY.
2. REFER TO FLOOR PLANS FOR EXACT NUMBERS AND LOCATIONS OF DEVICES.
3. INSTALLATION OF DEVICES AND WIRING SHALL BE PER MANUFACTURERS INSTALLATION INSTRUCTIONS. ALL WIRING SHALL BE IN CONDUIT.
4. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. REFER TO NATIONAL ELECTRIC CODE (NEC) FOR REQUIREMENTS OF POWER LIMITED AND NON-POWER LIMITED WIRING.

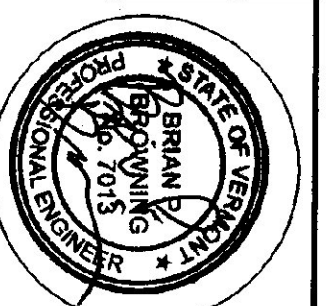
WILLISTON INFORMATION CENTER
189 SOUTHBOUND
STATE PROJECT # IM-BLDG (4)

ONE-LINE AND RISER DIAGRAMS

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No. DATE REVISION



E-6sb

DRAWN: PROJ.No.:
KES 10215
CHECKED: DATE:
BFB JAN 16, 2001