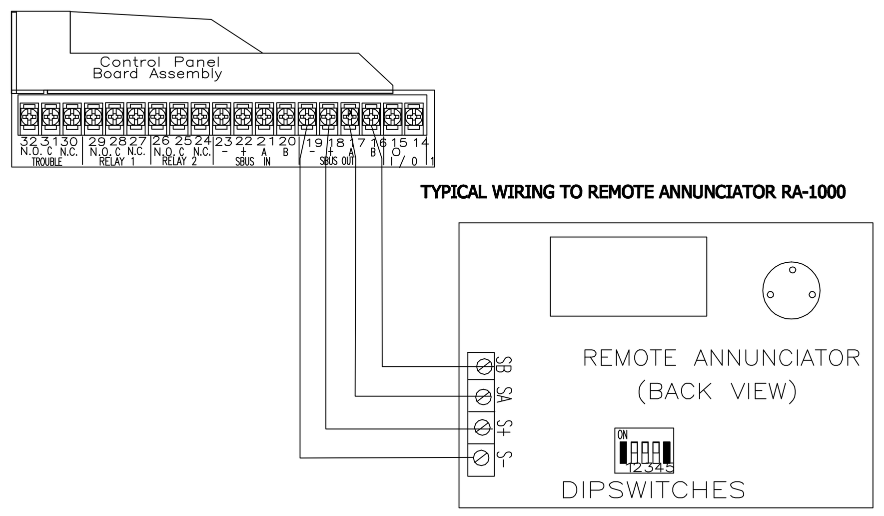
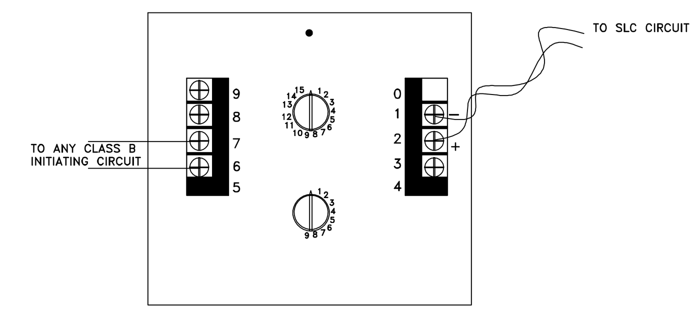
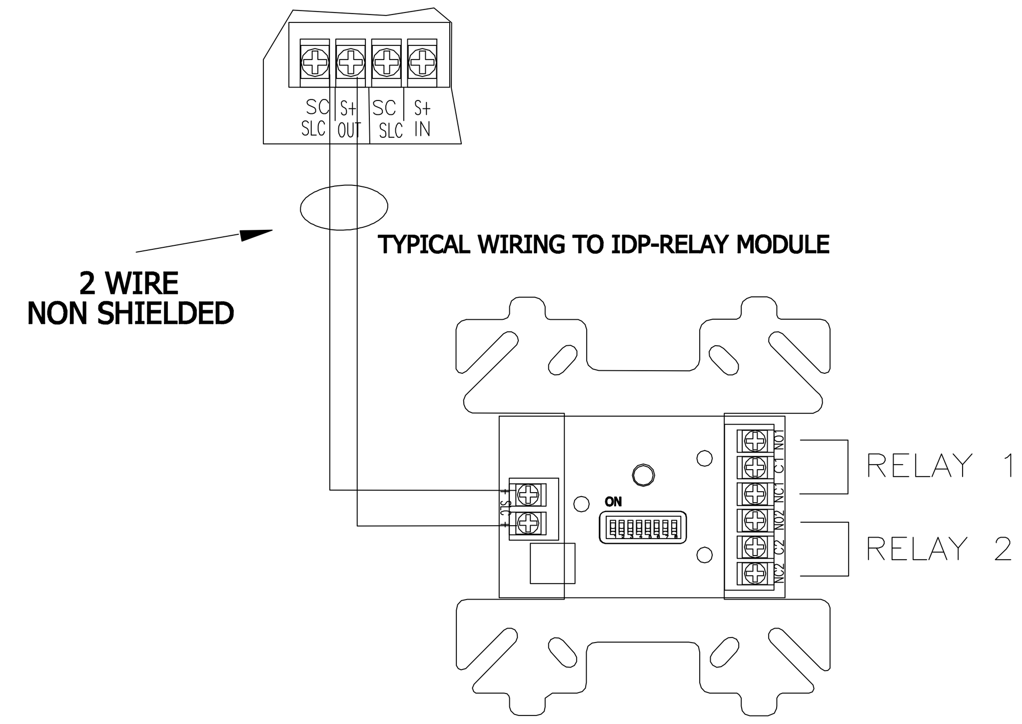
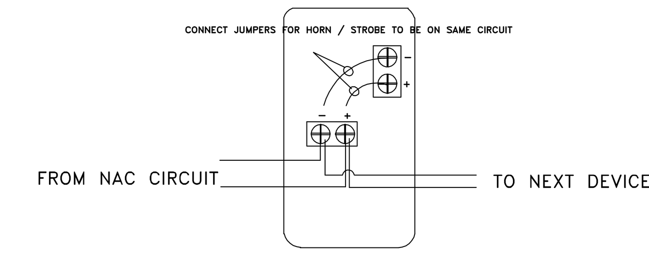


SILENT KNIGHT # IDP-MODULE
MONITOR MODULE

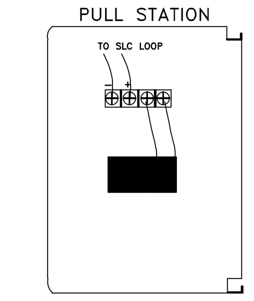




GENTEX OR SPECTR-ALERT
HORN / STROBE



SILENT KNIGHT PS-DA
PULL STATION



WIRE LEGEND

NAC CIRCUITS SHALL BE: 16-2 NON-SHIELDED FIRE ALARM CABLE (PLENUM)
SLC LOOP SHALL BE: 18-2 NON-SHIELDED POWER LIMITING FIRE ALARM CABLE

SYSTEM OUTPUTS

CONTROL UNIT ANNUNCIATION: ACTUATE COMMON ALARM SIGNAL INDICATOR; ACTUATE AUDIBLE ALARM SIGNAL; ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR; ACTUATE AUDIBLE SUPERVISORY SIGNAL; ACTUATE COMMON TROUBLE SIGNAL INDICATOR; ACTUATE AUDIBLE COMMON TROUBLE SIGNAL; ACTUATE ZONE ALARM INDICATOR

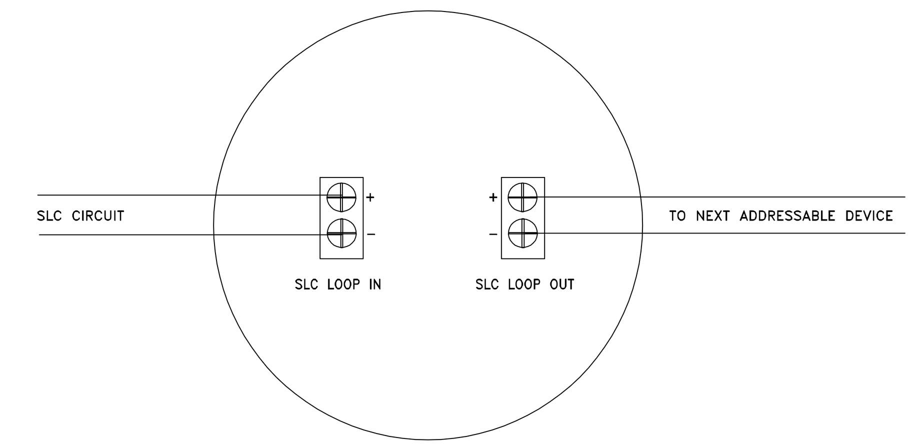
NOTIFICATION: ACTUATE EVACUATION SIGNAL; DISPLAY/PRINT CHANGE OF STATUS; TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION; TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION; TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION

REQUIRED FIRE SAFETY CONTROL: RELEASE MAGNETICALLY HELD SMOKE DOORS; RECALL ELEVATORS TO PRIMARY RECALL FLOOR ( ); RECALL ELEVATORS TO ALTERNATE RECALL FLOOR ( ); ACTUATE ELEVATOR 'FIRE HAT' LIGHT; CLOSE SMOKE DAMPERS; ACTUATE SMOKE EXHAUST; UNLOCK EXITS

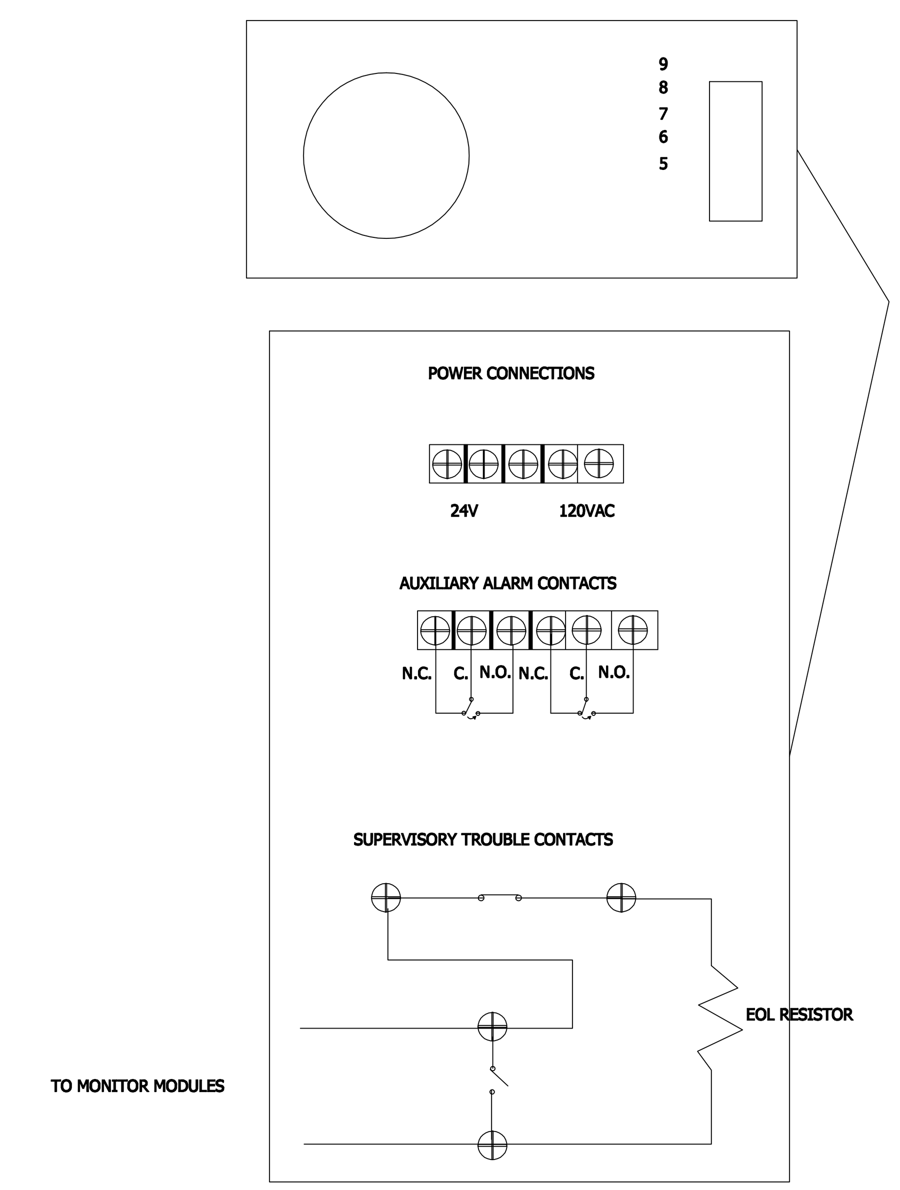
SUPPLEMENTAL: ACTUATE LOCAL/REMOTE LED INDICATORS; ACTUATE GRAPHICS SYSTEM - DISPLAY LED INDICATORS; SHUTDOWN AHU'S; PRESSURIZE STAIRWELLS; ACTUATE EXTERIOR STROBE; SHUTDOWN PROCESS

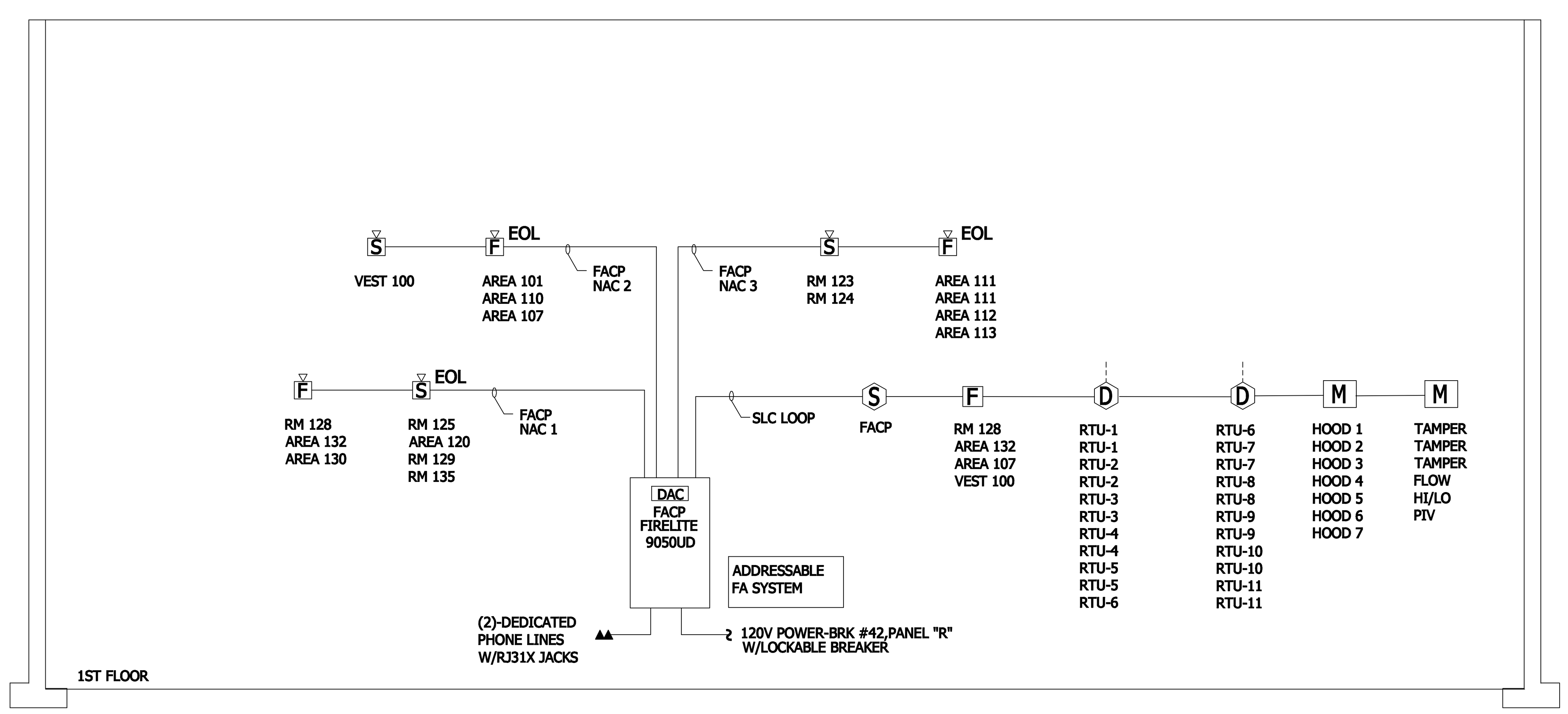
No.	SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	No.
1	SMOKE DETECTORS	o	o					o			o	o																		o					1
2	IN-DUCT SMOKE DETECTORS			o	o																									o					2
3	LINEAR BEAM SMOKE DETECTORS																																		3
4																																			4
5	ELEVATOR (PRI) SMOKE/THERMAL DETECTORS																																		5
6	ELEVATOR (ALT) SMOKE/THERMAL DETECTORS																																		6
7	ELEVATOR MECH ROOM SMOKE/THERMAL DETECTORS																																		7
8	ELEVATOR PITS SMOKE/THERMAL DETECTORS																																		8
9	THERMAL DETECTORS																																		9
10																																			10
11																																			11
12	PULL STATIONS	o	o					o			o	o																		o					12
13																																			13
14	LOOP OPEN/SHORT CIRCUIT					o	o				o			o														o							14
15	LOOP GROUND FAULT					o	o				o			o														o							15
16	LOOP FAILURE					o	o				o			o														o							16
17																																			17
18	NAC OPEN/SHORT CIRCUIT					o	o				o			o														o							18
19	NAC GROUND FAULT					o	o				o			o														o							19
20	NAC FAILURE					o	o				o			o														o							20
21	LOSS OF AC POWER					o	o				o			o														o							21
22	LOSS OF AC POWER (>6 HR)					o	o				o			o														o							22
23	BATTERY/CHARGER FAILURE					o	o				o			o														o							23
24	LOW BATTERY					o	o				o			o														o							24
25																																			25
26																																			26
27																																			27
28																																			28
29																																			29
30																																			30
31	SPRINKLER WATER FLOW	o	o					o			o	o																o							31
32	SPRINKLER TAMPER SWITCHES			o	o								o															o							32
33																																			33

SILENT KNIGHT #IDP-PHOTO
ADDRESSABLE SMOKE DETECTOR



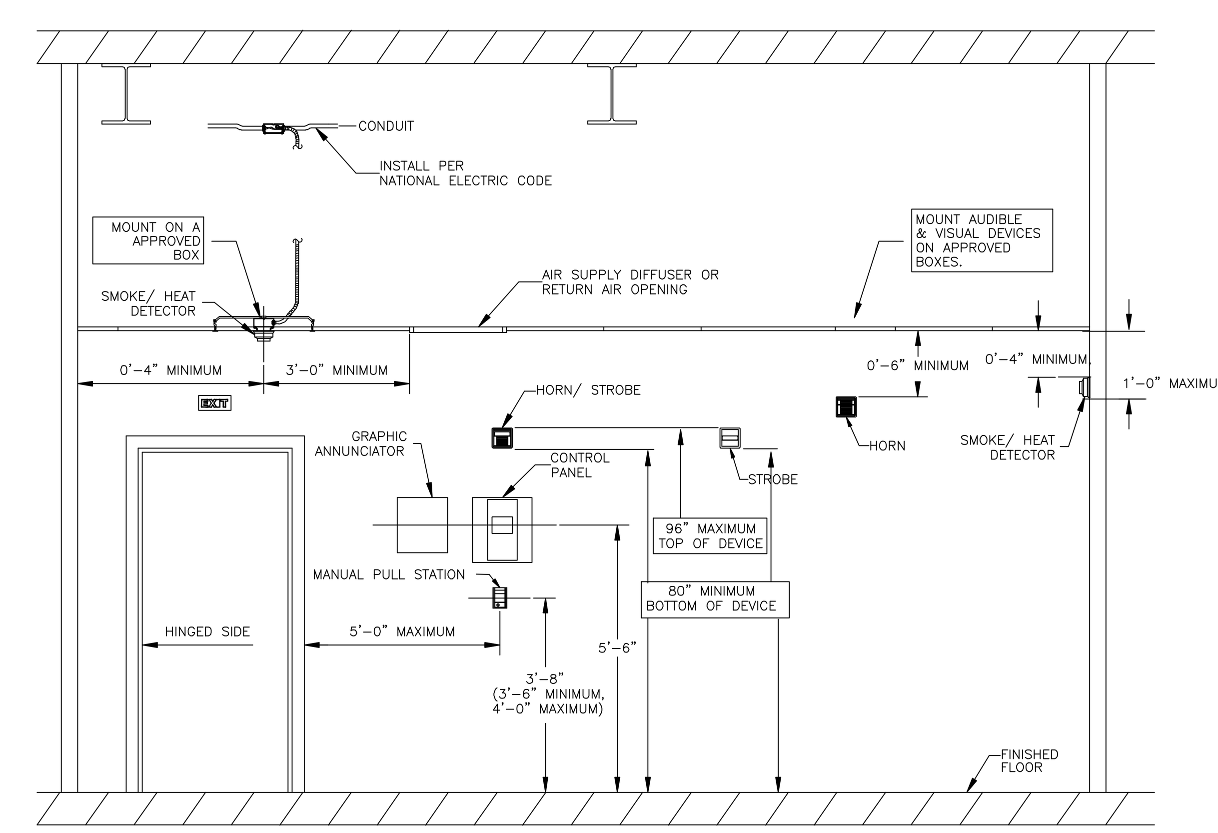
SILENT KNIGHT
DUCT DETECTOR

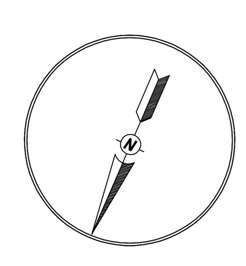




1 / FA1 **FIRE ALARM RISER**
NTS

NFPA 72 AND ADA DEVICE
INSTALLATION REQUIREMENTS





THE PYROCADD COMPANY,LLC
A FIRE SYSTEM DESIGN FIRM
9713 SAINT JOHNS CHURCH RD
ZEBULON, NC 27597
Elec Engineering- Auburn University
NICET # 124360
27 Years Experience
PHONE: 919-375-4466
EMAIL: PYROCADD@GMAIL.COM

APPLICABLE CODES:
NCSBC 2006 -NFPA 72 2007

PIEDMONT FIRE PROTECTION SYSTEMS LLC
3609 Bastion Lane, Raleigh, NC 27604
Tel: 919.212.2356 Fax: 919.212.2357
www.piedmontfire.com

Drawing Title	DETAILS, RISER, & LEGENDS		
Project No.	10-102-07	Plot Date:	3/2/10
		Revisions:	Date:
Drawn By	DWR		
Scale	AS NOTED		
Date	3/1/10		

FA1

Job: **Golden Corral**
6129 Glenwood Ave.
RALEIGH, NC

OWNER