

LEGEND AND PARTS LIST

LEGEND	QUANTITY	DESCRIPTION
IFACF	1	DSC PC-4020CF MASTER FIRE CONTROL COMMUNICATOR
RA	1	4521 LCD FIRE REMOTE ANNUNCIATOR
SE	1	4702BP - UL FIRE BELL MODULE
M	1	MUX LOOP MODULE
S	15	2-WIRE PHOTO MUX SMOKE/HEAT
⊙	12	MANUAL PULL STATIONS
⊗	15	15/75 CD HORN/STROBES
S	13	ELECTRICAL SMOKE
H	4	R/R F HEAT
H	3	SPRINKLER INTERCONNECTS

MULTIPLEX DEVICES CALCULATIONS

MULTIPLEX DEVICES CALCULATIONS	MAXIMUM CURRENT	# DEVICES	CURRENT
AMP-702 ADDRESSABLE FIRE MODS	Y	22	0.0176
AMS-220T ADDRESS PHOTO SMOKE/HEAT	Y	14	0.0112
TOTAL mA LOAD			0.0288
NOTE MAX 170mA MUX. = .170			0.1412
	AMOUNT OF mA REMAINING		0.116
DSC PC4020CF MASTER CONTROL	Y	1	0.1
AUX POWER DEVICES	Y	14	0.0112
DSC AMS-220 ADDRESSABLE SMOKE/HEATS	Y	1	0.05
DSC LCD 4521 FIRE KEYPAD	N	0	0
DSC LCD 4500 STANDARD KEYPAD	N	0	0
DSC PC4100A 8-ZONE EXPANDER	N	0	0
DSC PC4116 16-ZONE EXPANDER	N	0	0
DSC PC4164 WIRELESS RECEIVER	N	0	0
DSC PC4701 FIRE MODULE	Y	1	0.035
DSC PC4702BP DUAL BELL OUTPUT MODULE	Y	1	0.075
HORN/STROBES	Y	15	0
DSC PC4204 RELAY OUTPUT MODULE	N	0	0
DSC PC4216 LOW CURRENT OUTPUT MODULE	N	0	0
DSC PC4400 PRINTER MODULE	N	0	0
DSC PC4401 INTERFACE MODULE	N	0	0
DSC PC4820 ACCESS CONTROL MODULE	N	0	0
DSC PC4838 AUDIO INTERFACE MODULE	N	0	0
DSC PC4850 ESCORT PHONE MODULE	N	0	0
DSC ESCORT 4580 AUDIO ASSISTANT	N	0	0
FIRE-LITE BG-12WP WEATHER PULL STATION	Y	12	0
AMP-702 MUX FIRE MODS	Y	22	0.0176
TOTAL AUX POWER LOAD OF 4020CF			0.0288
TOTAL MUX MOD LOAD OF 4020CF			0.2888
DSC PC4702BP - NOTIFICATION POWER SUP.	Y	15	0

POWER OF LOCAL SYSTEM TYPE

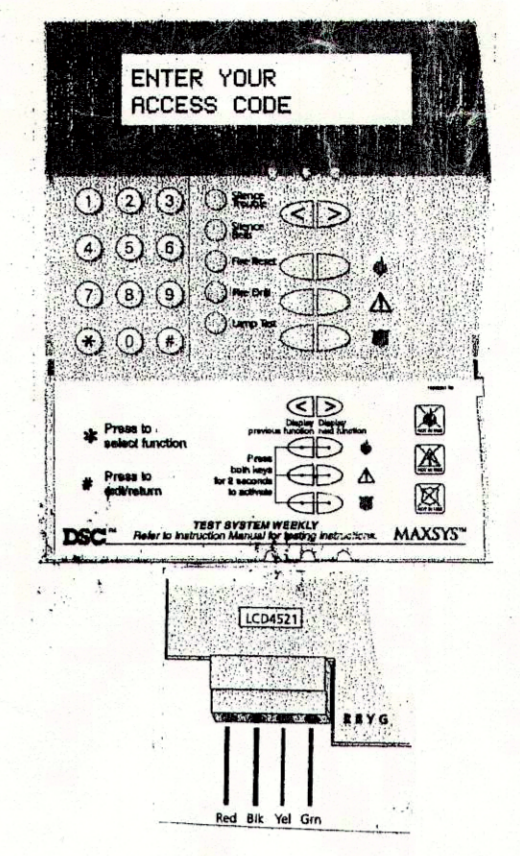
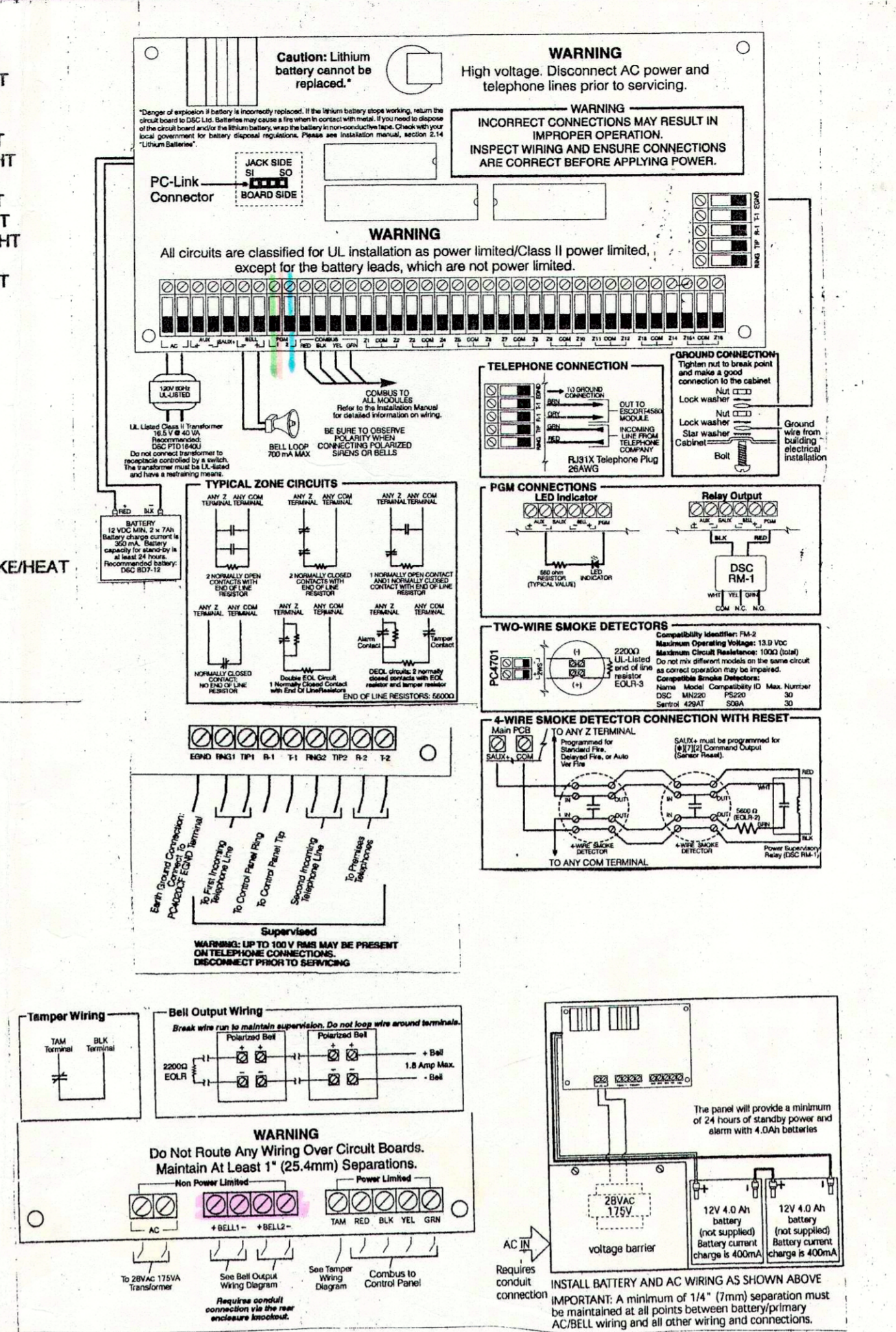
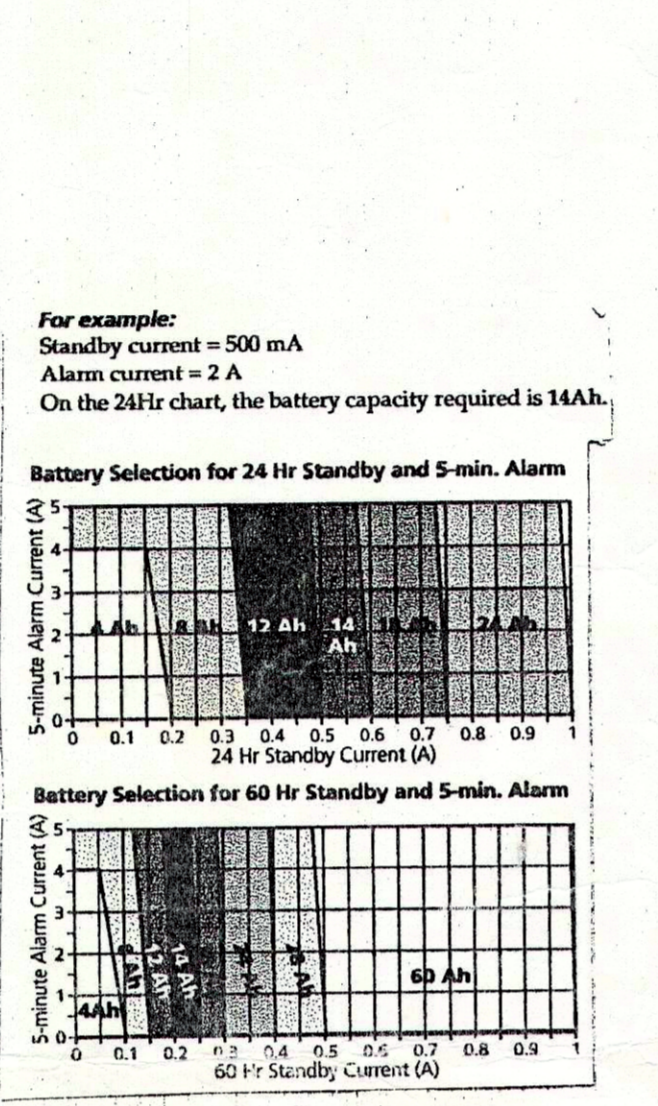
LOCAL 24HR.	REMOTE 60HR.	TOTAL ALARM AMP HOURS
6.9312	17.328	5 MIN ALARM TIME AMP HOURS
0.028232204	0.028232204	TOTAL ALARM AMP HRS.
6.959432204	17.3562322	BATTERY DERATE 20%
1.391886441	3.471246441	TOTAL REQUIRED AMP HRS.
8.351318646	20.82747864	BATTERY SIZE AMP HR. USED
15	24	AMOUNT OF CURRENT REMAINS
6.648681355	3.172521355	

PC4702BP NFPA 72 SYSTEM TYPE

LOCAL 24HR.	REMOTE 60HR.	TOTAL ALARM AMP HOURS
1.47	1.47	5 MIN ALARM TIME AMP HOURS
0.1224951	0.1224951	TOTAL ALARM AMP HRS.
1.5924951	1.5924951	BATTERY DERATE 20%
0.031846902	0.031846902	TOTAL REQUIRED AMP HRS.
1.624345002	1.624345002	BATTERY SIZE AMP HR. USED
7.5	7.5	AMOUNT OF CURRENT REMAINS
5.875654998	5.875654998	

- EQUIPMENT LIST**
- 1 - PC4020CF MASTER FIRE CONTROL
 - 1 - PC4521 LCD FIRE REMOTE ANNUNCIATOR CONTROL
 - 1 - 4702BP - UL FIRE BELL MOD.
 - 14 - DSC 2 WIRE MUX SMOKE/HEAT w SELF TEST DIAG.
 - 12 - FIRE - LITE BG-12 DUAL ACTION W/WEATHER PULL STATIONS
 - 15 - SYSTEM SENSOR P241575 COMBINATION ADA HORN/STROBES
 - 22 - AMP702 ADDRESSABLE FIRE MODS
 - 3 - CHEMETRON 602 194' HEAT SENSORS
 - 1 - CHEMETRON 601 135' HEAT SENSOR
 - 2 - 7.5 AMP HOUR RECHARGEABLE LEAD-ACID BATTERIES
 - 2 - 12 AMP HOUR RECHARGEABLE LEAD-ACID BATTERIES
 - 18GA. 4/COND. FPLR RATED FIRE CABLE AS NEEDED
 - 14GA. 1/COND. THHN GROUND WIRE

- ZONE LIST**
- ZONE 1 - 1ST FLOOR PULL STATION FRONT LEFT
 - ZONE 2 - 1ST FLOOR PULL STATION FRONT RIGHT
 - ZONE 3 - 1ST FLOOR PULL STATION REAR LEFT
 - ZONE 4 - 1ST FLOOR PULL STATION REAR RIGHT
 - ZONE 5 - 2ND FLOOR PULL STATION FRONT LEFT
 - ZONE 6 - 2ND FLOOR PULL STATION FRONT RIGHT
 - ZONE 7 - 2ND FLOOR PULL STATION REAR LEFT
 - ZONE 8 - 2ND FLOOR PULL STATION REAR RIGHT
 - ZONE 9 - 3RD FLOOR PULL STATION FRONT LEFT
 - ZONE 10 - 3RD FLOOR PULL STATION FRONT RIGHT
 - ZONE 11 - 3RD FLOOR PULL STATION REAR LEFT
 - ZONE 12 - 3RD FLOOR PULL STATION REAR RIGHT
 - ZONE 13 - 1ST FLOOR SMOKE/HEAT APT. #1
 - ZONE 14 - 1ST FLOOR SMOKE/HEAT APT. #2
 - ZONE 15 - 1ST FLOOR SMOKE/HEAT APT. #3
 - ZONE 16 - 1ST FLOOR SMOKE/HEAT APT. #4
 - ZONE 17 - 1ST FLOOR SMOKE/HEAT APT. #5
 - ZONE 18 - 2ND FLOOR SMOKE/HEAT APT. #6
 - ZONE 19 - 2ND FLOOR SMOKE/HEAT APT. #7
 - ZONE 20 - 2ND FLOOR SMOKE/HEAT APT. #8
 - ZONE 21 - 2ND FLOOR SMOKE/HEAT APT. #9
 - ZONE 22 - 2ND FLOOR SMOKE/HEAT APT. #10
 - ZONE 23 - 3RD FLOOR SMOKE/HEAT APT. #11
 - ZONE 24 - 3RD FLOOR SMOKE/HEAT APT. #12
 - ZONE 25 - 3RD FLOOR SMOKE/HEAT APT. #13
 - ZONE 26 - MECHANICAL EQUIPMENT ROOM SMOKE/HEAT
 - ZONE 27 - 1ST FLOOR SPRINKLER TAMPER
 - ZONE 28 - 1ST FLOOR WATERFLOW
 - ZONE 29 - 2ND FLOOR SPRINKLER TAMPER
 - ZONE 30 - 2ND FLOOR WATERFLOW
 - ZONE 31 - 3RD FLOOR SPRINKLER TAMPER
 - ZONE 32 - 3RD FLOOR WATERFLOW



MICHAEL L. HARTMAN HARTMAN ELECTRONICS INC. 8508 LIVINGSTON AVE. CHALMETTE, LA 70043	S.F.M.# D - 0000232 TECH.# E - 0001328 NICET # 081617
SCALE: 7/1/01	APPROVED BY: [Signature]
DATE: 7/1/01	DRAWN BY: [Signature]
FIRE ALARM SYSTEM GRAND LAGOON CONDOMINIUMS MARINA DR. - SLIDELL, LA	
	DRAWING NUMBER

APPROVED AS NOTED BY [Signature]

Approval by the Architect is for compatibility with the general concept of the project and does not constitute an approval of the design or construction of the project. Where errors or omissions are later discovered on the drawings, the Architect shall be responsible for the correction of the same. This shall be the responsibility of the Contractor as well as the Architect.

By: [Signature] ROBERT R. BEZAL
Architect-Associate

Notes:
Prior to Installation
Vendor to coordinate installation
fall activities w/ Architect
Management Co.
8/29/01

REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY RON C. MATHIS
[Signature]
245176