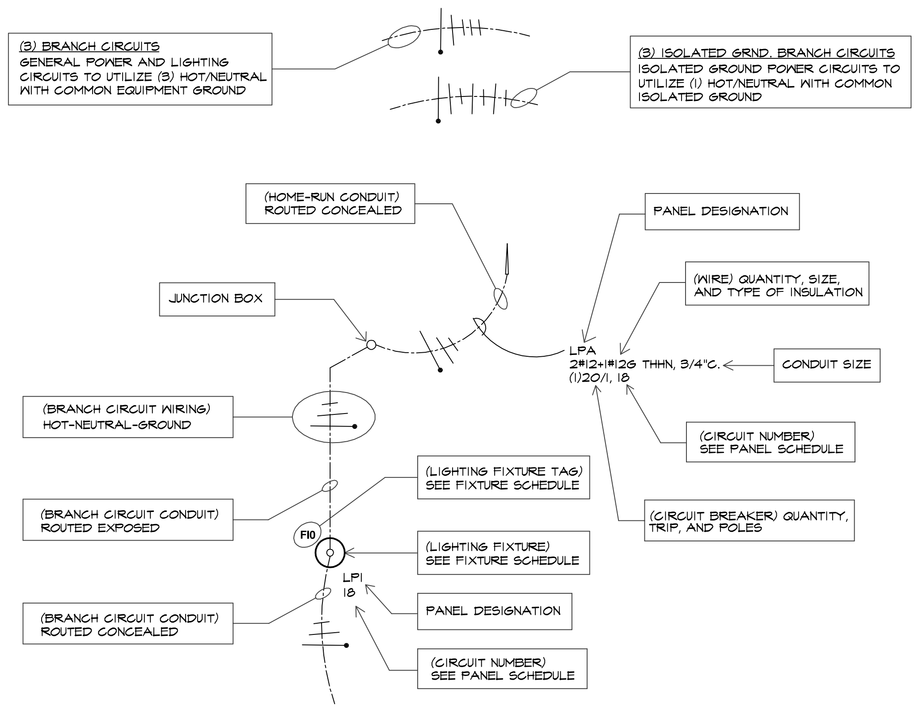


ELECTRICAL CIRCUITRY KEY

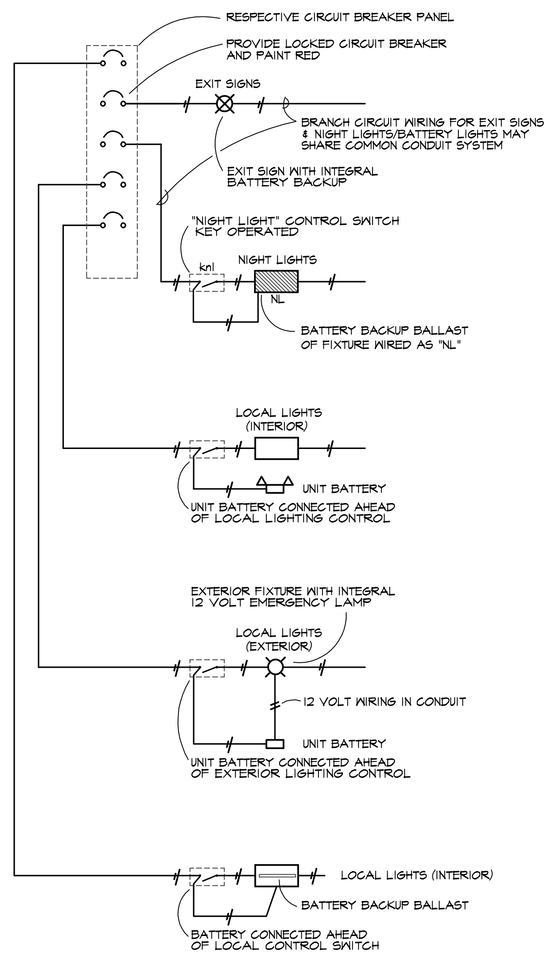
NOTE:
ACCESS, REVIEW, AND ASSEMBLE INFORMATION FROM ALL ELECTRICAL DRAWINGS, SCHEDULES, SPECIFICATIONS, AND DETAILS.
DRAWING SCALE PROHIBITS SHOWING ALL CIRCUITRY

FIXTURE SCHEDULE

TAG	SYMBOL	LAMPS	MANUFACTURER & CAT. No.	WATTS	VOLTS	MTG.	REMARKS
F1	○	1-32PL/FL	LIGHTOLIER #8097 CBA	36	277	RECESS CEILING LAY-IN	8" APERTURE DOWNLIGHT WITH CROSS BAFFLE, ALUMINUM FINISH
F1 EM	○	1-32PL/FL	LIGHTOLIER #8097 CBA/7132BU EMERGENCY POWER KIT	36	277	RECESS CEILING LAY-IN	8" APERTURE DOWNLIGHT WITH CROSS BAFFLE, ALUMINUM FINISH - BATTERY PACK BALLAST
F2	▬	2-F32/TL835	LIGHTOLIER #LSW SERIES	71	277	SURFACE WALL	WALL MOUNTED STAIR FIXTURE WITH ACRYLIC PRISMATIC LENS
F2 EM	▬	2-F32/TL835	LIGHTOLIER #LSW SERIES EMERGENCY POWER KIT	71	277	SURFACE WALL	WALL MOUNTED STAIR FIXTURE WITH ACRYLIC PRISMATIC LENS - BATTERY PACK BALLAST
F3	▬	1-F25/TL835	LITHONIA #CI125-277	29	277	SURFACE CEILING	MTD. IN CEILING POCKET - LENS BY OTHERS - SEE ARCHITECTURAL DETAIL
F3 EM	▬	1-F32/TL835	LITHONIA #CI132-277 EMERGENCY POWER KIT	36	277	SURFACE CEILING	MTD. IN CEILING POCKET - LENS BY OTHERS - SEE ARCHITECTURAL DETAIL BATTERY PACK BALLAST
F4	▬	2-F32/TL835	LITHONIA #C232-277/WG	71	277	SURF/SUSP CEILING	4' STRIP FIXTURE WITH WIRE GUARD
F4 EM	▬	2-F32/TL835	LITHONIA #C232-277/WG EMERGENCY POWER KIT	71	277	SURF/SUSP CEILING	4' STRIP FIXTURE WITH WIRE GUARD BATTERY PACK BALLAST
F5	⬭	INTEGRAL	LITHONIA #ELT SERIES	-	277	SURFACE CEILING/ WALL	BATTERY EMERGENCY LIGHT- LOCAL CODE APPROVED
F6	▭	-	LITHONIA #ELT SERIES (NO HEADS)	-	277	SURFACE CEILING/ WALL	BATTERY EMERGENCY LIGHT- LOCAL CODE APPROVED
F7	◇	1-70MH	FC LIGHTING # FCMS063-277-I/MH/70-E-BK	87	277	SURFACE WALL	14" NOMINAL DIAMETER ROUND EXTERIOR FIXTURE WITH BLACK FINISH.
F8	NOT USED						
F9	◇	1-70MH 1-MR16	LITHONIA #MSR70M/277/DG12	87	277	SURFACE WALL	VERIFY MOUNTING HEIGHT - INTEGRAL LOW VOLTAGE LAMP FOR EXTERIOR EMERGENCY LIGHTING
F10	⊠	L.E.D.	LITHONIA #LRP SERIES	-	277	RECESS CEILING/ WALL	BATTERY EXIT SIGN - LOCAL CODE APPROVED 1 OR 2 FACE & ARROWS AS REQ'D.
F11	◇	1-70MH 1-MR16	LITHONIA #MSR70M5/277/DG12	87	277	SURFACE WALL	VERIFY MOUNTING HEIGHT - INTEGRAL LOW VOLTAGE LAMP FOR EXTERIOR EMERGENCY LIGHTING
F12	◇	1-150A/NC	HUBBELL, BRYANT, STONCO	150	120	SURF. WALL	INC. GLASS GLOBE/WIREGUARD - MOUNTED IN ELEVATOR PIT

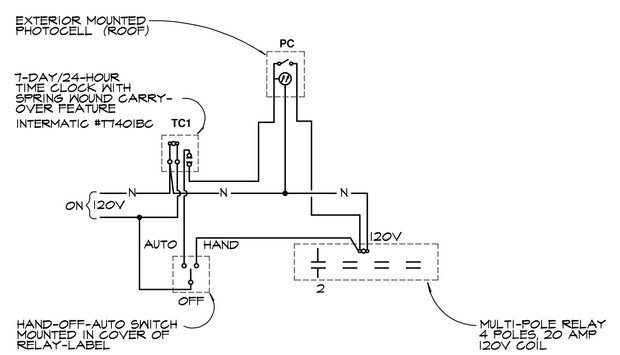
ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	CONDUIT ROUTED CONCEALED
	CONDUIT ROUTED EXPOSED IN A NEAT MANNER
	BRANCH CIRCUIT WIRING (HOT, NEUTRAL, GROUND) GROUND WIRE MAY NOT BE SHOWN FOR DRAWING CLARITY
	CONDUIT SYSTEM WITH "CONTROL" WIRING AS REQUIRED PER MANUFACTS WIRING DIAGRAMS
	CONDUIT STUB INTO ACCESSIBLE CEILING SPACE-TERMINATE WITH INSULATING BUSHING - 1" INCH CONDUIT UNLESS NOTED OTHERWISE
J	JUNCTION BOX - SIZE AND TYPE AS REQUIRED BY CODE
	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION
	FLEXIBLE CONDUIT CONNECTION
	DUPLEX RECEPTACLE MOUNTED LOW
	DUPLEX RECEPTACLE MOUNTED HIGH
	ISOLATED GROUND DUPLEX RECEPTACLE
GFI	GFI DUPLEX RECEPTACLE
SP	SPECIAL PURPOSE OUTLET OR CONNECTION COMPLETE AS REQUIRED
S	SINGLE POLE SWITCH
3	THREE WAY SWITCH
T	MANUAL MOTOR STARTER SWITCH WITH OVERLOAD PROTECTION
P	PILOT LIGHT SWITCH
K	KEY OPERATED SWITCH
OS	OCCUPANCY SENSOR MANUAL OVERRIDE SWITCH
OS	OCCUPANCY SENSOR - CEILING MOUNTED - FULL COVERAGE
M	MOTOR-CONNECT COMPLETE AS REQUIRED
	SAFETY DISCONNECT SWITCH
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH - FBO, W & I BY EC (UNLESS NOTED OTHERWISE)
	MAGNETIC MTR. STARTER - FBO, W & I BY EC (UNLESS NOTED OTHERWISE)
WP	"WEATHERPROOF" PROVIDE SUITABLE WP DEVICE AND MOUNTING
	EMERGENCY BATTERY LIGHTING UNIT
	CONDUIT STUB-UP
T	THERMOSTAT OUTLET - FBO, W & I BY EC
	ELLIPSE TAG REFERENCES-SHEET NOTES
	HEXAGON TAG REFERENCES-EQUIPMENT CONNECTION SCHEDULE
	TRIANGLE TAG REFERENCES-REVISIONS
	PHONE OUTLET WITH 3/4" C. STUB INTO ACCESSIBLE CEILING SPACE OR AT STRUCTURE (2 GANG DEEP BOX/SINGLE RING)



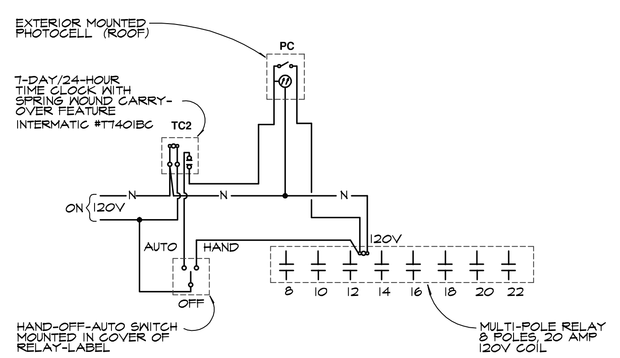
EMERGENCY SERVICE DIAGRAM

NO SCALE



EXTERIOR LIGHTING CONTROL DETAIL
BUILDING LIGHTING

NO SCALE



EXTERIOR LIGHTING CONTROL DETAIL
SITE LIGHTING

NO SCALE

ABBREVIATIONS & NOTES

A - AMPERE
AUX - AUXILIARY
BAS - BUILDING AUTOMATION SYSTEM
C - CONDUIT or DEGREES CELSIUS
CAT - CATALOG
CCT - CIRCUIT
CU - COPPER
DIV - DIVISION
ELEC - ELECTRIC, ELECTRICAL
ELV - ELEVATION, ELEVATOR
EMT - ELECTRICAL METALLIC TUBING
EST - ESTIMATED
FACP - FIRE ALARM CONTROL PANEL
GFI - GROUND FAULT INTERRUPTER
HP - HORSEPOWER
HTR - HEATER
kcmil - 1000 CIRCULAR MILLS
KV - KILOVOLTS
KVA - KILOVOLT AMPERES
MAX - MAXIMUM
MH - METAL HALIDE
MIN - MINIMUM
PNL - PANEL, PANELBOARD
PMP - PUMP
PVC - POLYVINYL CHLORIDE
S.C. - SHORT CIRCUIT
SPDT - SINGLE POLE DOUBLE THROW
SWBD - SWITCHBOARD
TYP - TYPICAL
VA - VOLT AMPERES
XFMR - TRANSFORMER
Z - IMPEDANCE

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE ELECTRICAL CODE REQUIREMENTS OF THE VILLAGE OF BURR RIDGE, ILLINOIS. IN ADDITION, ALL WORK SHALL CONFORM TO ALL OTHER APPLICABLE REQUIREMENTS OF LOCAL, STATE OR FEDERAL REGULATIONS AND STATUTES.
2. WIRE SHALL BE COPPER CONDUCTOR WITH 90 DEGREE C. TYPE THWN INSULATION.
3. MOUNTING HEIGHTS FOR SWITCHES AND CONVENIENCE OUTLETS SHALL CONFORM TO THE ILLINOIS ACCESSIBILITY CODE.
4. EXTERIOR SITE/PARKING LOT LIGHTING TO BE UNDER SEPARATE BID.

consulting engineers for the construction industry
Wm. J. Hoekstra Engineers, Inc.
HEATING AIR-CONDITIONING PLUMBING ELECTRICAL
5600 West 120th Street Alsip, IL 60803
(708) 389-5558 fax (708) 389-8293

120 HARVESTER DRIVE
THREE STORY OFFICE (SHELL) BUILDING
N.E. CORNER of HARVESTER DRIVE & FRONTAGE ROAD, BURR RIDGE, ILLINOIS
A DEVELOPMENT FOR MARS EQUITIES, INC.

No.	DATE	REVISION DESCRIPTION	No.	DATE	REVISION DESCRIPTION
1	5-31-06	For Permit			

DATE
JOB NUMBER

ELECTRICAL
SCHEDULES AND DETAILS

SHEET No.
E107

11/15/2006 03:49:23 PM