LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	MOUNTING	LAMPS	VOLTAGE	REMARKS
A	2X4 RECESSED TROFFER	LITHONIA	2GTL 4 40L LP840-BLD	RECESSED CEILING	LED	120/277	
AE	2X4 RECESSED TROFFER	LITHONIA	2GTL 4 40L LP840-BLD-GTD	RECESSED CEILING	LED	120/277	W/BODINE LED GTD
B	1X4 SURFACE	KENALL	MLHA12-48-R-MW-PP-50L40K-DCC-1-DV	RECESSED CEILING	LED	120/277	
C	4' INDUSTRIAL	LITHONIA	PV 232 120/277 PO	RECESSED CEILING	2-32W-T8	120	

PANELBOARD SCHEDULE — PP20

MAINS: 600A MLO — MOUNTING: SURFACE
VOLTAGE: 208/120V — AIC
PHASE: 3 — WIRES: 4 — REMARKS: EXISTING PANEL

NO	PH	LOAD KW	DESCRIPTION	C/B	C/B	LOAD KW	DESCRIPTION	PH	NO
1	A	0.72	EXISTING CIRCUIT	20/1	20/1	0.72	EXISTING CIRCUIT	A	2
3	B	0.72	EXISTING CIRCUIT	20/1	20/1	0.72	EXISTING CIRCUIT	B	4
5	C	0.72	EXISTING CIRCUIT	20/1	20/1	0.72	EXISTING CIRCUIT	C	6
7	A	0.72	EXISTING CIRCUIT	20/1	20/1	0.72	EXISTING CIRCUIT	A	8
9	B	0.72	EXISTING CIRCUIT	20/1	20/1	0.72	EXISTING CIRCUIT	B	10
11	C	0.72	EXISTING CIRCUIT	20/1	20/1	0.72	EXISTING CIRCUIT	C	12
13	A	0.72	EXISTING CIRCUIT	20/1	20/1	0.72	EXISTING CIRCUIT	A	14
15	B	0.72	EXISTING CIRCUIT	20/1	20/2	1.40	EXISTING CIRCUIT	B	16
17	C	0.72	EXISTING CIRCUIT	20/1	----	1.40	----	C	18
19	A	0.54	NEW RECEPTACLES	20/1 NEW	30/2	2.25	EXISTING CIRCUIT	A	20
21	B	0.54	NEW RECEPTACLES	20/1 NEW	----	2.25	----	B	22
23	C	0.90	NEW RECEPTACLES	20/1 NEW	20/1 NEW	0.90	NEW RECEPTACLES	C	24
25	A	0.90	NEW RECEPTACLES	20/1 NEW	20/1 NEW	0.90	NEW RECEPTACLES	A	26
27	B	1.40	WASHER	20/1 NEW	30/2	2.25	DRYER	B	28
29	C		SPACE	----	NEW	2.25		C	30
31	A	36.00	----	----	----------		----------	A	32
33	B	36.00	EXISITING BUS DUCT NOTE 1	400/3	----------		----------	B	34
35	C	36.00	----	----	----------		----------	C	36
	A	39.60	TOTALS	A	44.91			5.31	A
	B	40.10		B	47.44			7.34	B
	C	39.06		C	45.05			5.99	C

NOTE 1: PROVIDE LOCKING DEVICE AND LOCK NOTED BREAKER IN OFF POSITION.
NOTE 2: CLEAN ENTIRE PANEL INTERIOR AND EXTERIOR.
NOTE 3: PROVIDE NEW UPDATED TYPEWRITTEN SCHEDULES IDENTIFYING ALL NEW AND EXISTING CIRCUITS.

LOCATION: CONNECTED LOAD 137.40 KW CONNECTED AMPS 381.84 A

PANELBOARD SCHEDULE — LC200

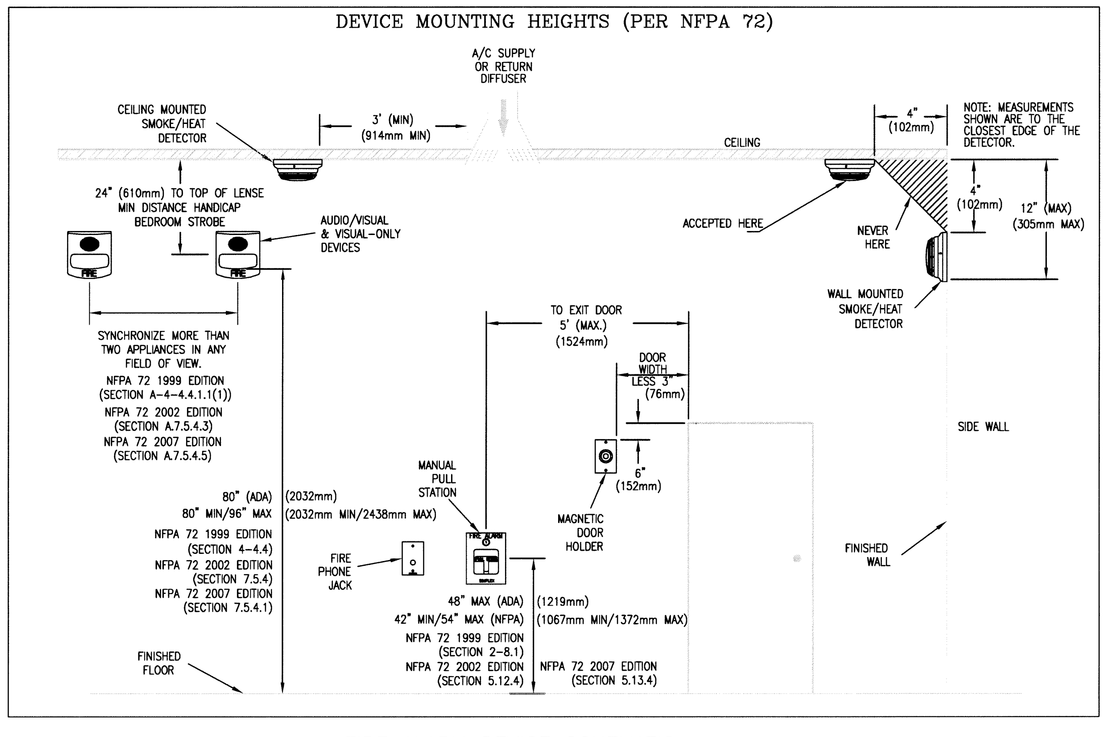
MAINS: 80A MCB — MOUNTING: SURFACE
VOLTAGE: 208/120V — AIC
PHASE: 3 — WIRES: 4 — REMARKS: EXISTING PANEL

NO	PH	LOAD KW	DESCRIPTION	C/B	C/B	LOAD KW	DESCRIPTION	PH	NO
1	A	0.72	EXISTING CIRCUIT	20/1	----		----	A	2
3	B	0.72	EXISTING CIRCUIT	20/1	----		MAIN	B	4
5	C	1.50	----	----	----		----	C	6
7	A	1.50	ROOF TOP UNIT	20/3	20/1	0.72	EXISTING CIRCUIT	A	8
9	B	1.50	----	----	20/1	0.72	EXISTING CIRCUIT	B	10
11	C		----	----	20/1	0.72	EXISTING CIRCUIT	C	12
13	A		SPARE	20/3	30/2 NEW	2.25	WATER HEATER	A	14
15	B		----	----	----	2.25	----	B	16
17	C		SPACE	----	----		SPACE	C	18
19	A		SPACE	----	----		SPACE	A	20
21	B		SPACE	----	----		SPACE	B	22
23	C		SPACE	----	----		SPACE	C	24
	A	2.22	TOTALS	A	5.19			2.97	A
	B	2.22		B	5.19			2.97	B
	C	1.50		C	2.22			0.72	C

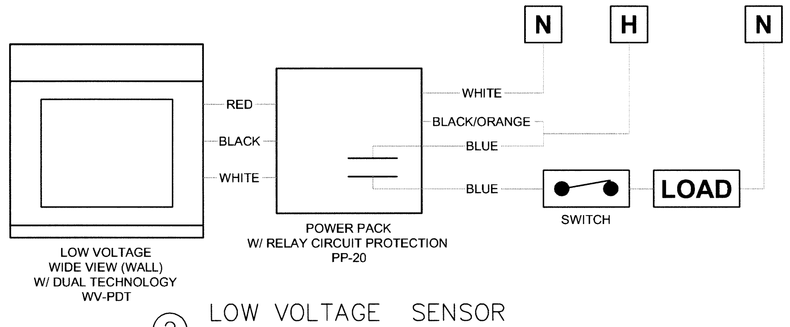
NOTE 1: PROVIDE NEW UPDATED TYPEWRITTEN SCHEDULES IDENTIFYING ALL NEW AND EXISTING CIRCUITS.

LOCATION: CONNECTED LOAD 12.60 KW CONNECTED AMPS 35.02 A

DEVICE MOUNTING HEIGHTS (PER NFPA 72)

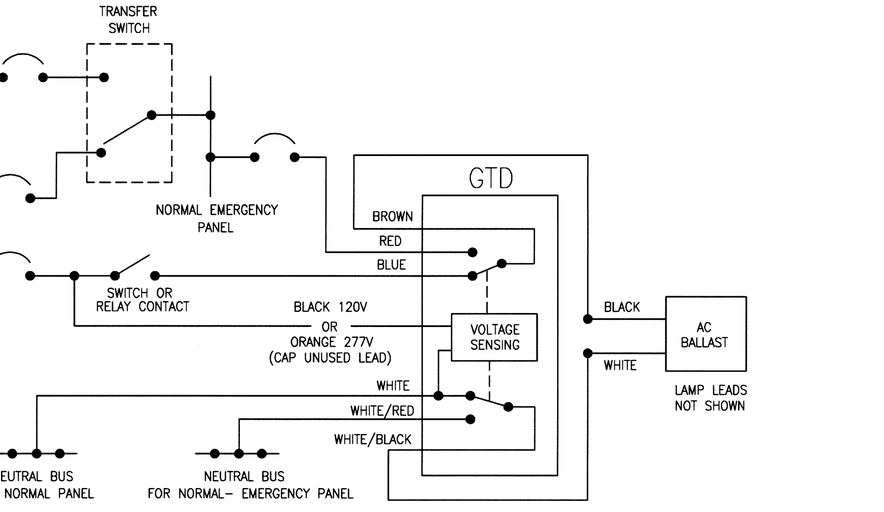


1 FIRE ALARM DEVICE SCHEMATIC
N.T.S.



2 LOW VOLTAGE SENSOR
N.T.S.

FIRE ALARM STROBE SCHEDULE	
AREA	CANDELAS
CORRIDORS	15
ROOMS LESS THAN 20 X 20	15
ROOMS BETWEEN 20 X 20 AND 30 X 30	30
ROOMS OVER 30 X 30	110



NOTES:

1. REFER TO THE FLOOR PLANS FOR ACTUAL DEVICE QUANTITIES
2. ALL WIRING SHALL BE IN CONDUIT.
3. REFER TO SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR TYPES AND OTHER REQUIREMENTS.
4. ZONES SHALL BE LIMITED TO 20,000 SQUARE FEET AND ISOLATED TO EACH FLOOR.

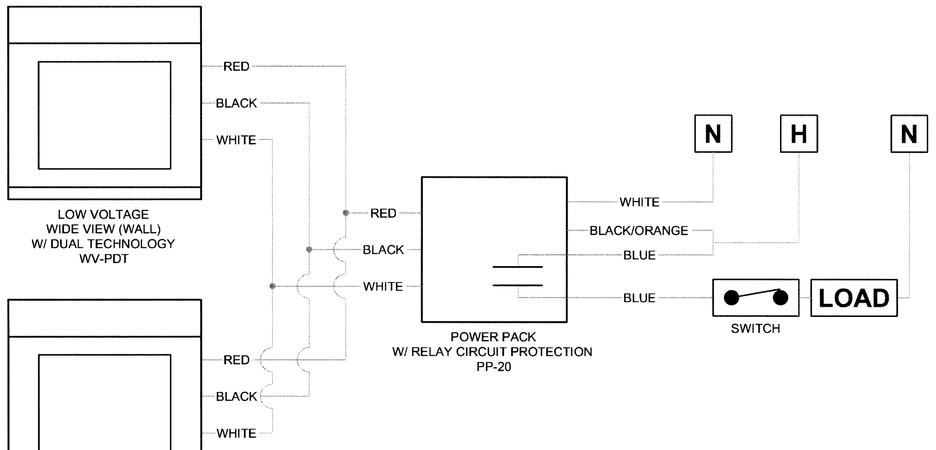
3 TYPICAL FIRE ALARM RISER DIAGRAM
N.T.S.

NORMAL OPERATION (SHOWN ABOVE)
AC LIGHTING BALLAST SUPPLIED BY NORMAL PANEL & CONTROLLED BY WALL SWITCH.

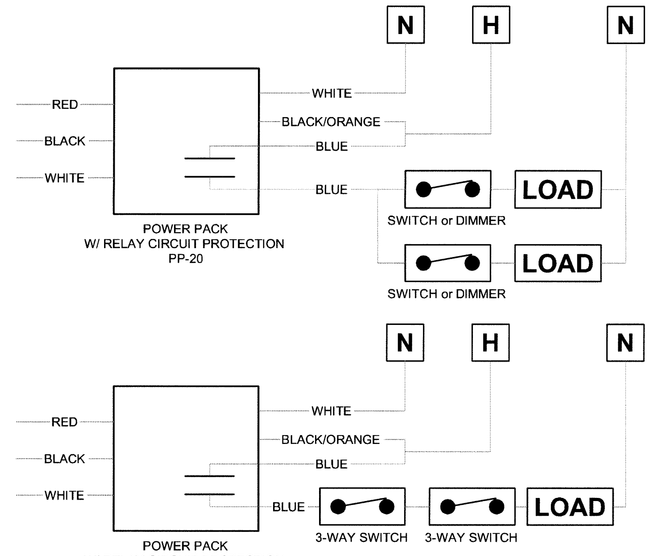
GENERATOR OPERATION
AC LIGHTING BALLAST SUPPLIED BY GENERATOR THROUGH EMERGENCY PANEL AND INDEPENDENT OF WALL SWITCH POSTION.

NOTE: REQUIRED AT EACH FIXTURE WHERE NOTED ON THE PLANS.

4 DETAIL – EMERGENCY LIGHTING TRANSFER DEVICE
N.T.S.



5 MULTIPLE LOW VOLTAGE SENSORS
N.T.S.



6 MULTIPLE SWITCH WIRING
N.T.S.

7 TIMER SWITCH
N.T.S.

8 SINGLE POLE WALL SWITCH SENSOR
N.T.S.

REGISTERED PROFESSIONAL ENGINEER
Thomas C. Heasley, Jr.
PENNSYLVANIA

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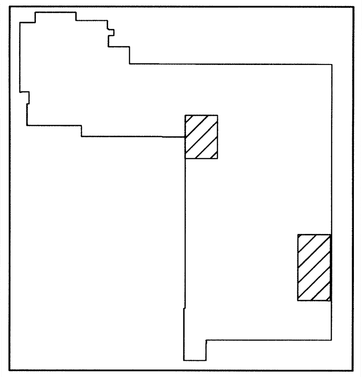

REVISIONS

MM-DD-YR	NAME	DESCRIPTION OF CHANGES

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814-946-9910

ELECTRICAL DETAILS

PLOT SCALE: AS SHOWN
FILENAME:
DATE: 4/30/2014

PROJECT 2776

E3.1