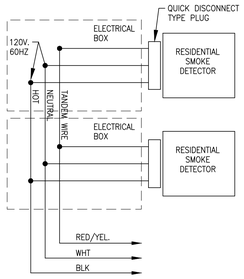
TYPICAL UNIT APPLIANCE CONNECTION SCHEDULE

MARK	APPLIANCE DESCRIPTION	VOLTAGE AND PHASE	KW	RECEPTACLE		NOTES
				NEMA TYPE	HEIGHT	
1	REFRIGERATOR	120V–1ø	0.620	#5–20	48"	1,2
2	ELECTRIC RANGE	240V–1ø	7.600	#14–50	VERIFY	1,4,6
3	RANGE HOOD	120V–1ø	0.180	#5–20	VERIFY	1,2,5,6
4	WASHING MACHINE	120V–1ø	1.500	#5–20	48"	1,2
5	DRYER	240V–1ø	5.000	#14–30	48"	1,3
6	DISPOSER	120V–1ø	0.480	#5–20	24"	1,2,7,8,9
7	DISHWASHER	120V–1ø	1.200	#5–20	24"	1,2
8	FAN COIL UNIT	120V–1ø	0.020	–	VERIFY	1,2
9	BATHROOM HEATER	120V–1ø	1.000	–	VERIFY	1,2

APPLIANCE CONNECTION SCHEDULE NOTES:

1. THE E.C. SHALL VERIFY ALL EQUIPMENT SPECIFICATIONS (VOLTAGE, CONNECTION, ETC.) WITH OWNER AND/OR ARCHITECT PRIOR TO PLACING PURCHASE ORDER FOR DEVICES AND ROUGH–IN. VERIFY THE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS, MILLWORK, ETC. PRIOR TO ROUGH–IN.
2. BRANCH CIRCUIT WIRING SHALL BE 2#12, 1#12(G)
3. BRANCH CIRCUIT WIRING SHALL BE 3#10, 1#10(G)
4. BRANCH CIRCUIT WIRING SHALL BE 3#6, 1#10(G)
5. COORDINATE LOCATION AT CABINET WITH ARCHITECT.
6. PROVIDE A JUNCTION BOX AND BRANCH TO UNIT VIA FLEXIBLE METALLIC CONDUIT. CONNECT TO LINE SIDE OF LOCAL LIGHTING CIRCUIT FOR SERVICE TO UNIT.
7. RECEPTACLE SHALL BE SPLIT WIRED TO SERVE DISPOSER AND DISHWASHER (REFER TO NOTE 5).
8. PROVIDE A SINGLE POLE SWITCH INSTALLED ABOVE COUNTER FOR DISPOSER CONTROL. INSTALL SWITCH IN FACE OF CABINETRY WHERE APPLICABLE. COORDINATE WITH ARCHITECT.
9. PROVIDE A TYPE "SO" CORD AND MATCHING PLUG TO APPLIANCE.



TYPICAL APARTMENT SMOKE DETECTOR WIRING DIAGRAM

NO SCALE

TYPICAL APARTMENT SMOKE DETECTOR WIRING DIAGRAM NOTES:

1. PROVIDE ALL WIRING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND ALL STATE AND LOCAL CODES.
2. ALL ALARMS IN A TANDEM INSTALLATION MUST BE CONTROLLED BY THE SAME FUSE OR CIRCUIT BREAKER.
3. CIRCUIT BREAKER PROVIDING 120 VOLT POWER SHALL BE AFCI TYPE.
4. THIS IS A TYPICAL DIAGRAM. PROVIDE QUANTITY OF SMOKE DETECTORS AS INDICATED ON DRAWING.

TYPICAL UNIT PANEL SCHEDULE

NAME: TP — VOLTAGE: 120/240V–1ø–3W

SPACES: 20 — TYPE: FLUSH MOUNTED

MCB: 60 AMPS — KWD: 20.6

	CKT.	DESCRIPTION	C/B	Φ	C/B	DESCRIPTION	CKT.	
(1)	1	BEDROOM #1 REC.	15/1	A	15/1	LIVING ROOM REC.	2	(1)
(1)	3	BEDROOM #2 REC.	15/1	B	15/1	DINING RECEPTACLES	4	(1)
	5	ELECTRIC DRYER	30/2	A	15/1	BATHROOM #1 REC.	6	(1)
	7			B	15/1	BATHROOM #2 REC.	8	(1)
(1)	9	DISHWASHER/DISPOSER	20/1	A	20/1	LIGHTING	10	(1)
	11	FAN COIL CIRCUIT	20/1	B	20/1	REFRIGERATOR	12	(1)
	13	BATHROOM #1 HEATER	20/1	A	20/1	WASHER	14	(1)
(1)	15	KITCHEN REC. #1	20/1	B	20/1	BATHROOM #2 HEATER	16	
	17	SPARE	20/1	A	20/1	KITCHEN REC. #2	18	(1)
	19	SPARE	20/1	B	20/1	SMOKE DETECTORS	20	(1)

TYPICAL UNIT PANEL SCHEDULE NOTES:

(1) PROVIDE AN ARC–FAULT TYPE CIRCUIT BREAKER TO SERVE THIS BRANCH CIRCUIT. PROVIDE ARC FAULT CIRCUIT BREAKERS TO ACCOMMODATE 2014 N.E.C.

(2) ALL LOAD CENTERS AND CIRCUIT BREAKERS SHALL BE RATED FOR A MINIMUM 10,000 SYMMETRICAL SHORT CIRCUIT RATING.

(3) PANEL ENCLOSURE DIMENSIONS ARE: 14–5/16"W X 16–3/4"H X 3–7/8"D.

KEYED APARTMENT ELECTRICAL PLAN CONSTRUCTION NOTES:

(1) LOCATION OF NEW TENANT CIRCUIT BREAKER LOAD CENTER. MAINTAIN A MINIMUM OF 3'–0" IN FRONT OF PANEL. REFER TO TYPICAL UNIT CIRCUIT BREAKER PANEL SCHEDULE FOR ELECTRICAL DETAILS. ALL LIVING AREA BRANCH CIRCUITS SHALL BE SERVED FROM AN ARC–FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER IN ACCORDANCE WITH N.E.C. ARTICLE #210.12(B).

(2) BATHROOM EXHAUST FAN (36W–120V–1ø) SHALL BE PROVIDED AND INSTALLED BY THE M.C. BUT WIRED BY THE E.C. PROVIDE A SINGLE POLE SWITCH FOR CONTROL AND CONNECT TO LOCAL LIGHTING CIRCUIT FOR FAN SERVICE.

(3) CONNECT ALL LIGHT FIXTURES TO A SINGLE, 20A–1P BRANCH CIRCUIT IN TENANT PANEL (CIRCUIT #19).

(4) PROVIDE MULTIPLE STATION, SELF–RESTORING TYPE SMOKE DETECTOR(S) WITH INTEGRAL BATTERY BACK–UP AND TANDEM WIRING CAPABILITY. PROVIDE CIRCUIT BREAKER "LOCK–ON" CLIP AND CONNECT TO RECEPTACLE CIRCUIT INDICATED ON PLAN. DETECTORS SHALL BE WIRED SUCH THAT UPON ACTIVATION OF (1) DETECTOR, ALL OTHER DETECTORS IN THE APARTMENT ARE INITIATED. REFER TO WIRING DIAGRAM ON THIS DRAWING.

(5) IT IS THE INTENT TO REPLACE ALL EXISTING LIGHT FIXTURES LOCATED IN EACH APARTMENT. RE–SUPPORT AS NECESSARY. REFER TO PLAN FOR FIXTURE TYPES.

(6) INSTALL NEW GFCI RECEPTACLE WITH WEATHERPROOF ENCLOSURE.

(7) LOCATE THIS LIGHT FIXTURE TO CORRESPOND WITH DINING TABLE. COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

(8) REMOVE AND REPLACE EXISTING LIGHT FIXTURES IN COMMON AREAS WITH NEW OCCUPANCY–SENSING LIGHT FIXTURES. MAINTAIN ALL EXISTING LIGHTING CONTROL. MAINTAIN EXISTING BRANCH CIRCUITS CURRENTLY SERVING THESE FIXTURES. MODIFY WIRING AS REQUIRED TO ACCOMMODATE NEW LOCATIONS OF FIXTURES WHERE INDICATED.

(9) IT IS THE INTENT FOR THE E.C. TO MODIFY THE EXISTING BRANCH CIRCUIT SERVING STAIRWAY LIGHTING TO BE CONTROLLED BY A NEW, ELECTRONIC, ASTRONOMIC, DPST TIME CLOCK. PROVIDE MULTIPLE POLE, ELECTRICALLY HELD CONTACTOR FOR CONTROL OF MULTIPLE BRANCH CIRCUITS (VERIFY NUMBER OF POLES). TIME CLOCK SHALL BE INTERMATIC #ET103C WITH INTEGRAL NEMA 1 ENCLOSURE. LOCATE ADJACENT "HOUSE" PANEL LOCATION OR AS OTHERWISE DIRECTED BY OWNER.

(10) REFER TO NOTE 12 ON DRAWING #E2–01 FOR ADDITIONAL INFORMATION RELATED TO ENTRY INTERCOM STATION.

(11) PROVIDE A TYPE #RG6, DUAL COAXIAL CABLE WITH INDIVIDUAL INSULATION ROUTED TO EACH APARTMENT. VERFIY EXACT ROUTING IN FIELD WITH OWNER FOR A CONCEALED INSTALLATION. INCLUDE ALL COSTS ASSOCIATED WITH THE CABLE RUN. INCLUDE AND TERMINATE AT A SPLITTER AT EACH APARTMENT AND INSTALL IN AN ACCESSIBLE LOCATION APPROVED BY THE OWNER. THE ROUTING OF ANY SURFACE MOUNTED CONDUIT MUST BE APPROVED BY THE ARCHITECT/OWNER PRIOR TO ANY INSTALLATION.

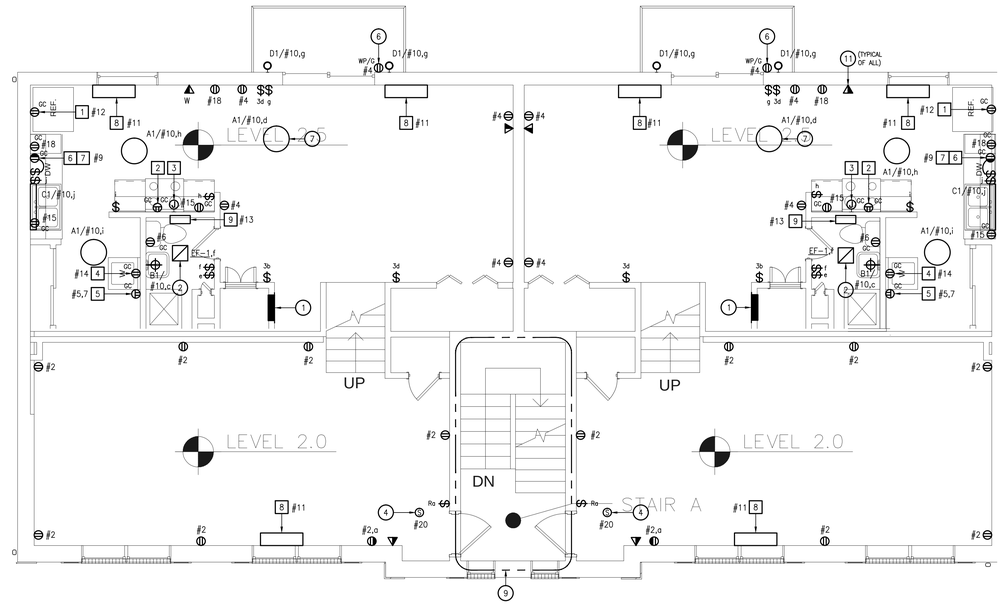
GENERAL ELECTRICAL DRAWING NOTES:

A. IT IS THE ELECTRICAL SCOPE OF WORK AND INTENT FOR THE ELECTRICAL CONTRACTOR TO COMPLETELY REMOVE AND REPLACE ALL ELECTRICAL EQUIPMENT, DEVICES, PANELS, WIRING, ELECTRIC SERVICE, ETC. FOR ALL APARTMENTS IN THE PROJECT. THE GENERAL CONTRACTOR WILL BE REMOVING DRYWALL TO ACCOMMODATE THE INSTALLATION OF NEW WORK INDICATED ON THE ELECTRICAL DRAWINGS. REFER TO THE ARCHITECTURAL AND SPECIFICATIONS AND DRAWINGS OUTLINING THESE REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL CUTTING AND PATCHING OF DRYWALL, EXISTING CONDITIONS, ETC. TO INSTALL THE ELECTRICAL WORK INDICATED ON THESE DRAWINGS AND OUTSIDE OF THE SCOPE DESCRIBED IN THE ARCHITECTURAL DOCUMENTS.

B. REFER TO SYMBOL LEGEND ON DRAWING #E1.01 FOR SYMBOL DESCRIPTIONS AND ADDITIONAL INFORMATION.

C. REFER TO BOOK SPECIFICATIONS FOR ADDITIONAL ELECTRICAL REQUIREMENTS, INSTALLATION INFORMATION, MATERIALS, ETC.

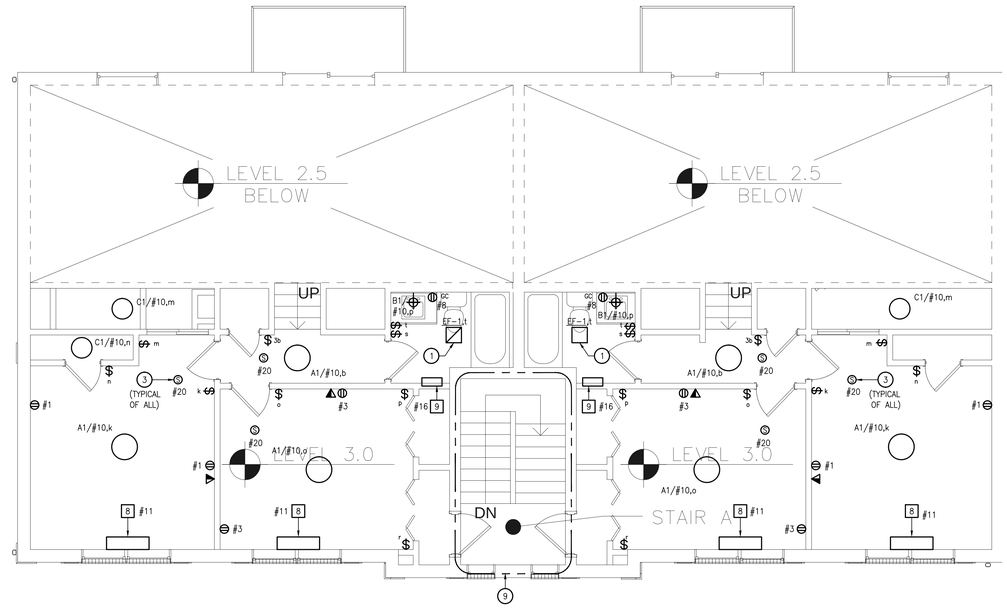
D. REFER TO DRAWING #E1.01 FOR ADDITIONAL NOTES, SCHEDULES, DETAILS, ETC.



1 E3.03 BUILDINGS 1 & 2: LEVEL 2.0 & 2.5 ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

SF: 1400 SF



1 E3.04 BUILDINGS 1 & 2: LEVEL 3.0 ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

SF: 1400 SF

DATE	DESCRIPTION
10.23.2013	Issued for 60% Owner Review
11.06.2013	Issued for 100% Owner Review
12.09.2013	Issued for Permit and Bidding

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LDA Project No. 13.25

Buldings A & B
Electrical Plans

E3.02

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