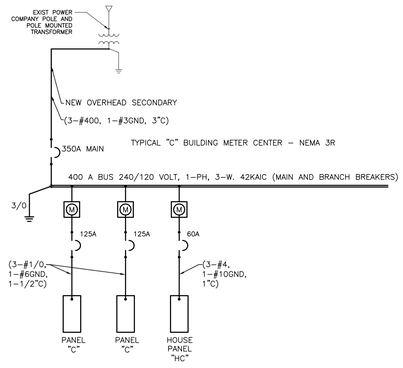
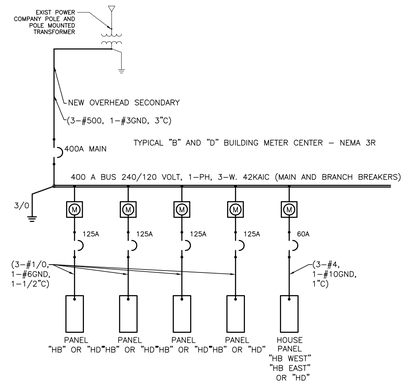


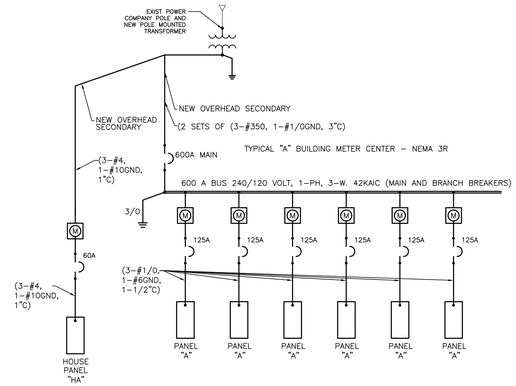
BUILDING "C" NEW POWER SINGLE-LINE DIAGRAM

SCALE: NONE



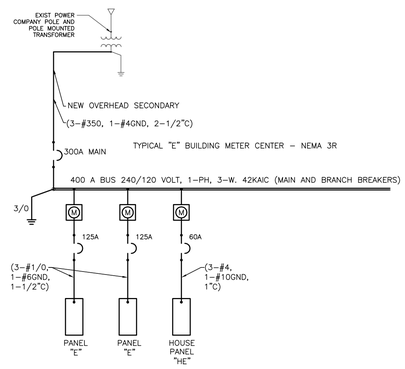
BUILDING "B" AND "D" NEW POWER SINGLE-LINE DIAGRAM

SCALE: NONE



BUILDING "A" NEW POWER SINGLE-LINE DIAGRAM

SCALE: NONE



BUILDING "E" NEW POWER SINGLE-LINE DIAGRAM

SCALE: NONE

LIGHTING FIXTURES

L1. LITHONIA #JJ13L–CYLINDER–13W FLUORESCENT–POLYCARBONATE LENS–20VOLT–WHITE. EQUALS BY DAYBRITE AND BROWNLEE.

L2. BROWNLEE #2045, 14" SURFACE MOUNT 3 LAMP 13 WATT FLUORESCENT FIXTURE, SOFT–WHITE ACRYLIC LENS, 120V ELECTRONIC BALLAST WITH HIGH POWER FACTOR MINIMUM OF 0.90p. EQUALS BY DAYBRITE AND LITHONIA.

L3. BROWNLEE LIGHTING #2045, 14" SURFACE MOUNT 2 LAMP 13 WATT FLUORESCENT FIXTURE, SOFT–WHITE ACRYLIC LENS, 120V ELECTRONIC BALLAST WITH HIGH POWER FACTOR MINIMUM OF 0.90p. EQUALS BY DAYBRITE AND LITHONIA.

L4. BROWNLEE #5010, 24" WALL MOUNT, 2–LAMP 17 WATT FLUORESCENT T8, STEEL WITH WHITE ACRYLIC LENS, 120V ELECTRONIC BALLAST WITH HIGH POWER FACTOR. EQUALS BY DAYBRITE AND LITHONIA.

L6. BROWNLEE #2135, CEILING MOUNT 1–LAMP 13 W FLUORESCENT FIXTURE, BLACK POLYCARBONATE WITH WHITE ACRYLIC LENS, 120 V ELECTRONIC BALLAST WITH NOMINAL POWER FACTOR. EQUALS BY DAYBRITE AND LITHONIA.

L7. BROWNLEE #7165, CEILING MOUNT 2–LAMP 13 W FLUORESCENT FIXTURE, WITH CLEAR PRISMATIC POLYCARBONATE LENS, 120V ELECTRONIC BALLAST WITH NOMINAL POWER FACTOR. EQUALS BY DAYBRITE AND LITHONIA.

L8. GARDCO #141–W–400PSMH–240VOLT–COLOR BY ARCHITECT–PCB–WS. EQUALS BY LITHONIA. A

L9. GARDCO #101–WT–150PSMH–240VOLT–COLOR BY ARCHITECT–PCB–WS. EQUALS BY LITHONIA. A

L10. GARDCO #101–WT–250PSMH–240VOLT–COLOR BY ARCHITECT–PCB–WS. EQUALS BY LITHONIA.

NEW HOUSE PANELS: HA, HB, HC, HD, HE

CONN. LOAD: 3 KVA DEMAND LOAD: 3 KVA (15 A)
MAINS: 60A MB VOLTAGE: 240/120V.,1PH.,3W.
LOCATION: ON BUILDING MOUNTING: SURFACE

REMARKS	KVA	BKR.	CKT. NO. AND PH.			BKR.	KVA	REMARKS
EX.HOUSE LIGHTS	1.5–L	20/2	1	A	2	20/2	1.5–L	EX.HOUSE LIGHTS
			3	B	4			
SPARE		20/1	5	A	6	20/1		SPARE
SPACE			7	B	8			SPACE
SPACE			9	A	10			SPACE
SPACE			11	B	12			SPACE

NEW (ADA) APT PANELS: ADA-D

CONN. LOAD: 43 KVA DEMAND LOAD: 23 KVA (96 A)
MAINS: 125A MB VOLTAGE: 240/120V.,1PH.,3W.
LOCATION: UTILITY ROOM MOUNTING: FLUSH

REMARKS	KVA	BKR.	CKT. NO. AND PH.			BKR.	KVA	REMARKS
WATER HEATER	4.5–H	AF30/2	1	A	2	AF20/1	1.0–R	REFRIGERATOR
			3	B	4	AF20/1	1.0–R	KITCHEN RECEPT
DROPIN COOKTOP	9.6–H	AF40/2	5	A	6	AF20/1	1.0–R	DOWN RECEPT
			7	B	8	AF20/1	1.0–R	EXTERIOR RECEPT
FURNACE	8.0–H	AF45/2	9	A	10	AF20/1	1.0–L	DOWN LIGHTING
			11	B	12	AF20/1	1.0–L	UP LIGHTING
DRYER	4.5–H	AF30/2	13	A	14	AF20/1LC	1.0–C	FA SMOKES
			15	B	16	AF20/1	1.0–R	UP RECEPT
AIR CONDITIONER	4.0–H	AF30/2	17	A	18	AF20/1	1.0–R	UP RECEPT
			19	B	20	AF20/1	1.0–L	UP LIGHTING
WALL OVEN	5.0–H	AF30/2	21	A	22			SPARE
			23	B	24			SPARE
STOVE HOOD	0.4–M	AF20/1	25	A	26			SPACE
WASHER	1.0–M	AF20/1	27	B	28			SPACE

NEW APT PANELS: A, B, C, D, E

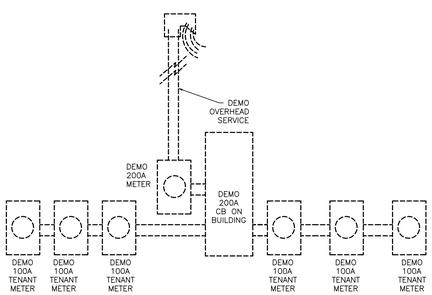
CONN. LOAD: 38 KVA DEMAND LOAD: 21 KVA (87 A)
MAINS: 125A MB VOLTAGE: 240/120V.,1PH.,3W.
LOCATION: UTILITY ROOM MOUNTING: FLUSH

REMARKS	KVA	BKR.	CKT. NO. AND PH.			BKR.	KVA	REMARKS
WATER HEATER	4.5–H	AF30/2	1	A	2	AF20/1	1.0–R	REFRIGERATOR
			3	B	4	AF20/1	1.0–R	KITCHEN RECEPT
RANGE	9.6–H	AF40/2	5	A	6	AF20/1	1.0–R	DOWN RECEPT
			7	B	8	AF20/1	1.0–R	EXTERIOR RECEPT
FURNACE***	8.0–H	AF45/2	9	A	10	AF20/1	1.0–L	DOWN LIGHTING
			11	B	12	AF20/1	1.0–L	UP LIGHTING
DRYER	4.5–H	AF30/2	13	A	14	AF20/1LC	1.0–C	FA SMOKES
			15	B	16	AF20/1	1.0–R	UP RECEPT
AIR CONDITIONER	4.0–H	AF30/2	17	A	18	AF20/1	1.0–R	UP RECEPT
			19	B	20	AF20/1	1.0–L	UP LIGHTING
STOVE HOOD	0.4–M	AF20/1	21	A	22			SPARE
WASHER	1.0–M	AF20/1	23	B	24			SPARE
SPACE			25	A	26			SPACE
SPACE			27	B	28			SPACE

LEGEND: L–LIGHTING, R–RECEPTACLES, M–MOTORS, H–RESISTANCE HEAT, C–CONTROL, MLO– MAIN LUGS ONLY, DSL– DOUBLE SET OF LUGS, MB–MAIN BREAKER, LC–LOCKING CLIP, SFL–SUB FEED LUGS, * NEW BREAKER–MATCH EXISTING PANEL, AF–PROVIDE AFCI BREAKER, GF–GROUND FAULT CIRCUIT BREAKER, *** FURNACE FOR BUILDING "C" ONLY HAS A LARGER ELECTRIC HEATER ELEMENT AND SHALL REQUIRE A 240 VOLT 60/2 AMP CIRCUIT BREAKER.

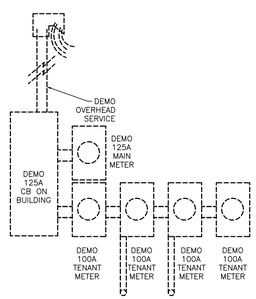
LEGEND

BC	BELOW CEILING
E	EXISTING DEVICE
EC	ELECTRICAL CONTRACTOR
ES	EQUIPMENT SUPPLIER
EX	EXTERIOR DEVICE
GC	GENERAL CONTRACTOR
HC	HVAC CONTRACTOR
MH	MOUNTING HEIGHT TO CENTERLINE OF ITEM UNLESS INDICATED OTHERWISE ON DRAWINGS.
PC	PLUMBING CONTRACTOR
R	REMOVE EXISTING FOR RELOCATION
RE	RELOCATED EXISTING
S	SURFACE MOUNTED
TYP	TYPICAL
WP	WEATHERPROOF
XFMR	TRANSFORMER
#	PLAN NOTE SYMBOL – APPLIES ONLY TO SHEET ON WHICH NOTE IS SHOWN.
EF–1	EQUIPMENT REFERENCE SYMBOL.
123	ROOM NUMBER
	20A–125V SINGLE RECEPTACLE, NEMA 5–20R (18" MH). HUBBELL 8319H–I.
	20A–125V DUPLEX RECEPTACLE, NEMA 5–20R (18" MH). HUBBELL 8300–I.
	20A–125V DOUBLE DUPLEX RECEPTACLE. NEMA 5–20R (18" MH). TWO–GANG ASSEMBLY OF TWO HUBBELL 8300–I.
	20A–125V DUPLEX RECEPTACLE, NEMA 5–20R (46" MH). HUBBELL 8300–I.
	20A–125V DOUBLE DUPLEX RECEPTACLE. NEMA 5–20R, (46" M.H.) WHERE SHOWN ABOVE COUNTER, COORDINATE HEIGHT WITH CASEWORK CONTRACTOR. HUBBELL 8300–I.
GF	20A–125V DUPLEX RECEPTACLE, NEMA 5–20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH). HUBBELL GF8300GFCI–I.
WP/GF	20A–125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5–20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH). HUBBELL GF20ILA–I WITH EXTERIOR WEATHERPROOF METALLIC COVER PLATE SHALL BE HEAVY CAST ALUMINUM SIMILAR TO PASS & SEYMOUR #4510 COVER PLATE, VERTICAL MOUNT.
	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	SINGLE POLE WALL SWITCH (46" MH). HUBBELL 1221–W.
	THREE–WAY WALL SWITCH (46" MH). HUBBELL 1223–W.
	HP RATED DISCONNECT SWITCH (46" MH) OR ON EQUIPMENT AS REQUIRED. HUBBELL HBL1221.
	ELECTRICAL CONNECTION REQUIRED
H1 B1 a b	LIGHTING FIXTURE; CAPITAL LETTER DENOTES FIXTURE TYPE. LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
A–1&2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT WITH FULL SIZE NEUTRAL AND GROUND; CAPITAL LETTER DENOTES PANEL; NUMBER DENOTES CIRCUIT.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING
	WIRE & CONDUIT IN OR BELOW FLOOR SLAB OR BELOW GRADE
	EXISTING LIGHT FIXTURE TO BE REMOVED AND/OR RELOCATED. LINE TYPE TYPICAL FOR ALL DEVICES TO BE REMOVED AND/OR RELOCATED.
	DASHED SYMBOL INDICATES THAT PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
J	JUNCTION BOX
	MOTOR STARTER INCLUDING 'HOA', RED–RUN PILOT LIGHT, CONTROL TRANSFORMER, AND AUXILIARY CONTACTS.
	COMBINATION MOTOR STARTER (STARTER AS LISTED ABOVE) AND HEAVY DUTY DISCONNECT SWITCH
	HEAVY DUTY DISCONNECT SWITCH
	CIRCUIT BREAKER PANEL (SURFACE MOUNTED)
	CIRCUIT BREAKER PANEL (FLUSH MOUNTED)
	MOTORIZED EQUIPMENT CONNECTION.
S	CEILING/WALL MOUNTED SMOKE DETECTOR. WALL MOUNT PER NFPA.
	PHONE OUTLET (18"MH UNLESS NOTED OTHERWISE). SINGLE GANG BOX, JACKS AND COVER PLATE.
C	CABLE OR SATELLITE DROP LOCATION. BACK BOX AT (18"MH UNLESS NOTED OTHERWISE). PROVIDE BUSHING IN BACK BOX.



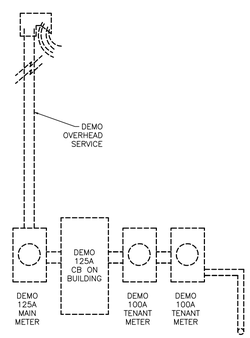
DEMO A BUILDING SINGLE-LINE DRAWING

SCALE: NONE



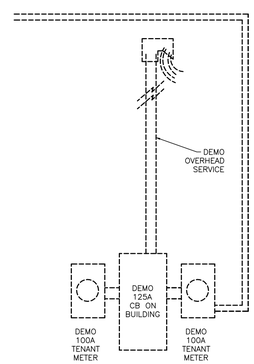
DEMO B BUILDING SINGLE-LINE DRAWING

SCALE: NONE



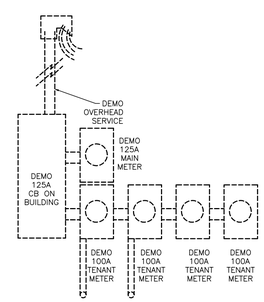
DEMO C BUILDING NORTH SINGLE-LINE DRAWING

SCALE: NONE



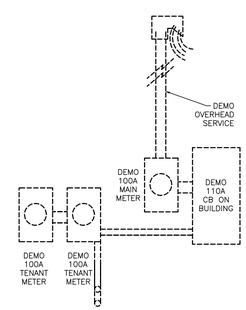
DEMO C BUILDING SOUTH SINGLE-LINE DRAWING

SCALE: NONE



DEMO D BUILDING SINGLE-LINE DRAWING

SCALE: NONE



DEMO E BUILDING SINGLE-LINE DRAWING

SCALE: NONE

DEMO PANELS: A, B, C, D, E

CONN. LOAD: 0 KVA DEMAND LOAD: 0 KVA (0 A)
MAINS: 100A MB VOLTAGE: 240/120V.,1PH.,3W.
LOCATION: UTILITY ROOM MOUNTING: FLUSH/SURFACE

REMARKS	KVA	BKR.	CKT. NO. AND PH.			BKR.	KVA	REMARKS
KITCHEN RECEPT	––	20/1	1	A	2	15/1	––	FURNACE
KITCHEN RECEPT		20/1	3	B	4	15/1		LIGHT/RECEPT
LIGHT/RECEPT		20/1	5	A	6	15/1		LIGHT/RECEPT
DRYER		30/2	7	B	8	15/1		LIGHT/RECEPT
			9	A	10	20/1		RANGE HOOD
A/C		30/2	11	B	12	20/1		WASHER
			13	A	14			SPACE
SPACE			15	B	16			SPACE

SCHEDULES AND DETAILS

SCALE: NONE

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Marianna Terrace Comprehensive Modernization

Cincinnati, OH

STATUS:

STATE OF OHIO VETTER E–63372 REGISTERED PROFESSIONAL ENGINEER

REVISION:

PROJECT NUMBER: 11131

DRAWN BY:

DATE: 12-14-2011

SHEET NUMBER: E3

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