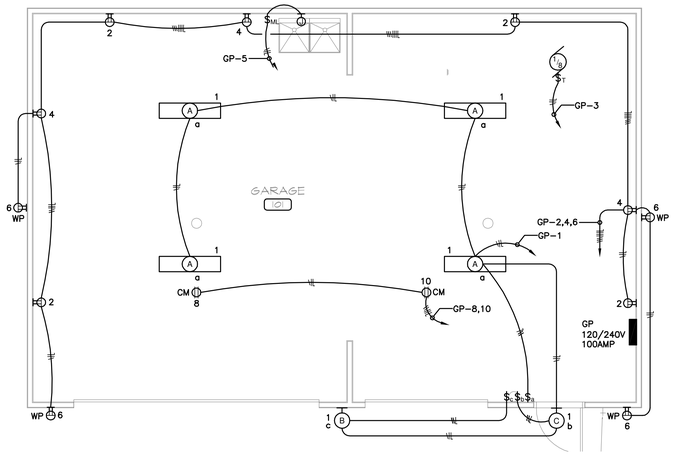


GARAGE FIRST FLOOR - ELECTRICAL PLAN (1)

SCALE: 1/4" = 1'0"

0' 2' 4' 8' 16'

GENERAL LIGHTING INSTALLATION NOTES:

L1. REFER TO ELECTRICAL SPECIFICATIONS FOR FLUORESCENT LAMP COLOR AND BALLAST TYPE.

L2. CONTRACTOR SHALL COORDINATE LIGHTING FIXTURE TYPE (GRID OR FLANGE) WITH ACTUAL CEILING TYPE PRIOR TO ORDERING FIXTURES. CONTACT ENGINEER IF QUESTIONS SHOULD ARISE CONCERNING CEILING TYPES.

L3. CONTRACTOR SHALL VERIFY ALL BALLAST QUANTITIES WITH SWITCHING SHOWN ON PLANS PRIOR TO ORDERING FIXTURES. ADJUST BALLAST QUANTITIES AS REQUIRED TO MATCH SWITCHING.

L4. VERIFY LIGHTING CIRCUIT VOLTAGE (277V–1ø OR 120V–1ø) PRIOR TO ORDERING LIGHTING FIXTURES OR STARTING ROUGH–IN OF BRANCH CIRCUITS. IMMEDIATELY CONTACT ENGINEER WITH ANY DISCREPANCIES. CONTRACTOR IS RESPONSIBLE FOR ORDERING THE PROPER VOLTAGE FOR LIGHTING FIXTURES, REGARDLESS OF VOLTAGE SHOWN ON LIGHTING FIXTURE SCHEDULE.

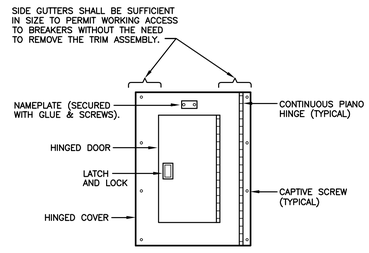
L5. REFER TO ELECTRICAL SPECIFICATIONS FOR LED COLOR TEMPERATURE AND DRIVER TYPE.

L6. SUBMIT LAMP AND BALLAST CUT SHEETS WITH SHOP DRAWINGS FOR REVIEW.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	MOUNTING	LAMP INFORMATION				BALLAST/DRIVER INFORMATION			MANUFACTURER/ NOTES
				QUANTITY	WATTS	TYPE	COLOR TEMP.	QUANTITY	TYPE	VOLTAGE	
(A)	FLUORESCENT LIGHTING FIXTURE, 7" x 4' x 5.25" MAX HEIGHT VAPORLUME FIXTURE, FUSING, WHITE MOLDED FIBERGLASS REINFORCED POLYESTER BODY, HIGH IMPACT ACRYLIC MOLDED LENS, GASKET, LISTED FOR WET LOCATION, STAINLESS STEEL MOUNTING BRACKETS, PAINT AFTER FABRICATION.	GARAGE & SHELTER	SURFACE MOUNT OVER RECESSED J–BOX	3	28W	T8	3500°K	1	COLD TEMP BALLAST	120V	PROVIDE COLD TEMP BALLAST TO 0°F
(B)	LED FLOOD LIGHT: 2600 LUMENS–5000K LED WITH 120V DRIVER, 7"W X 9"H X 5"D MAX, DIE–CAST ALUMINUM HOUSING FOR WET LOCATIONS, POWDER COAT BRONZE FINISH, POWDER COATED ALUMINUM REFLECTOR, FIXTURE OPERATING TEMPERATURE RANGE FROM –30°C TO 40°C.	OUTDOOR FLOODLIGHT	WALL MOUNT	LED	30W	2600 MIN LUMENS LED	5000K	1	LED DRIVER	120V	ADD PHOTOCELL CONTROL
(C)	LED FLOOD LIGHT: 1400 LUMENS MIN–5000K LED WITH 120V DRIVER, 6"W X 7"H X 4"D MAX, DIE–CAST ALUMINUM HOUSING FOR WET LOCATIONS, POWDER COAT BRONZE FINISH, POWDER COATED ALUMINUM REFLECTOR, FIXTURE OPERATING TEMPERATURE RANGE FROM –30°C TO 40°C.	OUTDOOR FLOODLIGHT	WALL MOUNT	LED	20W	1400 MIN LUMENS LED	5000K	1	LED DRIVER	120V	ADD PHOTOCELL CONTROL

PANELBOARD FRONT DETAIL:



PANELBOARD CONSTRUCTION NOTES:

(A) ALL NEW PANELBOARDS SHALL BE PROVIDED WITH SUB–FEED LUGS AND SUFFICIENT SIZE WIRING GUTTERS TO ACCOMMODATE ALL FEEDERS (INCLUDING FUTURE) IN A CODE COMPLYING MANNER. FEED THROUGH LUGS ARE NOT ACCEPTABLE.

(B) ALL NAMEPLATES SHALL BE ENGRAVED PHENOLIC WITH WHITE LETTERS AND BLACK (RED FOR EMERGENCY) BACKGROUND. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(C) REFER TO SPECIFICATIONS FOR PANELBOARD CONSTRUCTION REQUIREMENTS REGARDING BUS, DIRECTORIES, FINISHES, MANUFACTURERS, ETC.

(D) ONE MONTH AFTER OCCUPANCY BY THE OWNER, THE ELECTRICAL CONTRACTOR SHALL MEASURE AND RECORD THE FEEDER PHASE CURRENTS FOR ALL NEW AND EXISTING PANELBOARDS ASSOCIATED WITH THIS PROJECT, AND SHALL SUBMIT DATA TO ENGINEER.

(E) PROVIDE UPDATED TYPED SCHEDULES IN EXISTING PANELS, AND NEW SCHEDULES IN NEW PANELS. SCHEDULE DESCRIPTIONS SHALL INCLUDE TYPE OF LOAD (RECEPTACLES, LIGHTING, EWC, ETC.), ROOM NUMBER WHERE LOAD IS LOCATED, AND DATE OF SERVICE/INSTALLATION.

PANEL "GP" – 120/240V–1ø–3W–SN

LOCATION: GARAGE | MAIN: 100A MAIN BKR | MOUNT'G: SURFACE | REMARKS: NORMAL PANEL 10,000 AIC

KVA	USE	POLES	AMPS	CKT	CKT	AMPS	POLES	USE	KVA
0.6	GARAGE 1ST FL LIGHTS	1	20	1	2	20	1	GARAGE 1ST FL REC	0.8
1.0	UNIT HEATER	1	20	3	4	20	1	GARAGE 1ST FL REC	0.8
2.0	INSTANT HOT WATER	1	20	5	6	20	1	GARAGE EXTERIOR REC	0.4
0.0	SPARE	1	20	7	8	20	1	GARAGE CEILING REC	1.0 ✳
0.0	SPARE	1	20	9	10	20	1	GARAGE CEILING REC	1.0 ✳
0.0	SPARE	1	20	11	12	20	1	SPARE	0.0
0.0	SPARE	1	20	13	14	20	1	SPARE	0.0
0.0	SPARE	1	20	15	16	20	1	SPARE	0.0
0.0	SPARE	1	20	17	18	20	1	SPARE	0.0
0.0	SPARE	1	20	19	20	20	1	SPARE	0.0
0.0	SPARE	1	20	21	22	20	1	SPARE	0.0
0.0	SPARE	1	20	23	24	20	1	SPARE	0.0
0.0	SPARE	1	20	25	26	20	1	SPARE	0.0
0.0	SPARE	1	20	27	28	20	1	SPARE	0.0
0.0	SPARE	1	20	29	30	20	1	SPARE	0.0

GROUND BUS

✳ PROVIDE GFCI TYPE BREAKER

FOR CONSTRUCTION

Revisions:	Date
FINAL CD SUBMISSION	01-14-13

CONSULTANTS:

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FF&H #12062

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Drawing Title: GARAGE - ELECTRICAL PLAN

Approved: Project Director

Project Title: VAMC WADE PARK CLEVELAND TR HOUSE IMPROVEMENTS

Location: 9401 LORAIN AVE, CLEVELAND, OHIO 44102

Date: 01-14-13 | Checked By: MPL | Drawn By: MPL

Project Number: 541-12-125

Building Number:

Drawing Number: 1-E2

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231