

Electrical Upgrades at Laurel Park

csa project 19-42
August 30, 2019

Enfield, Connecticut

Issued for: Review

Owner

Enfield Housing Authority

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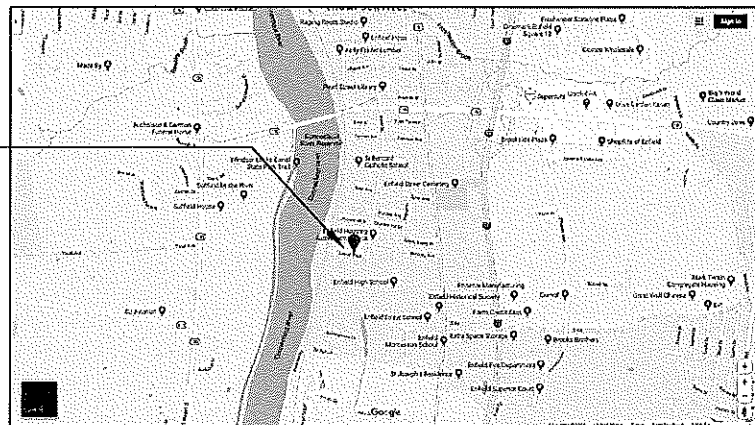
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Drawing List

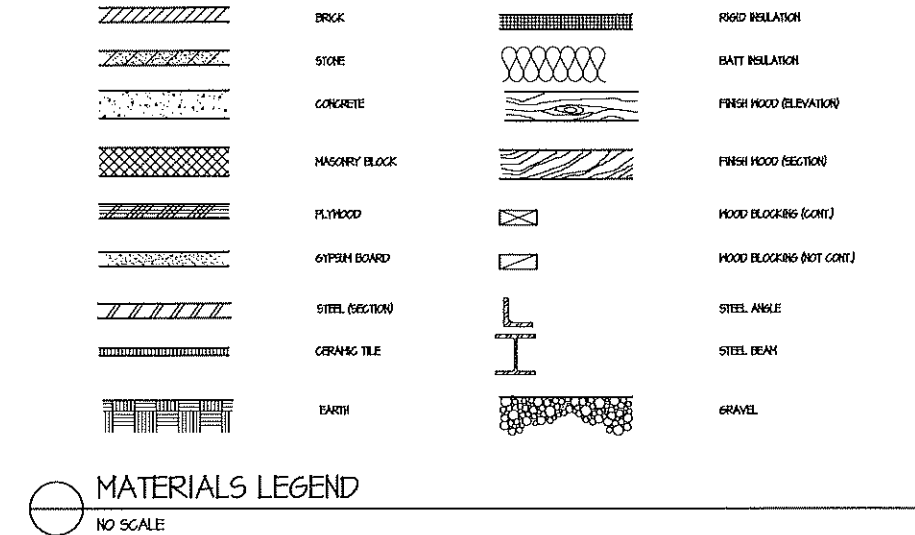
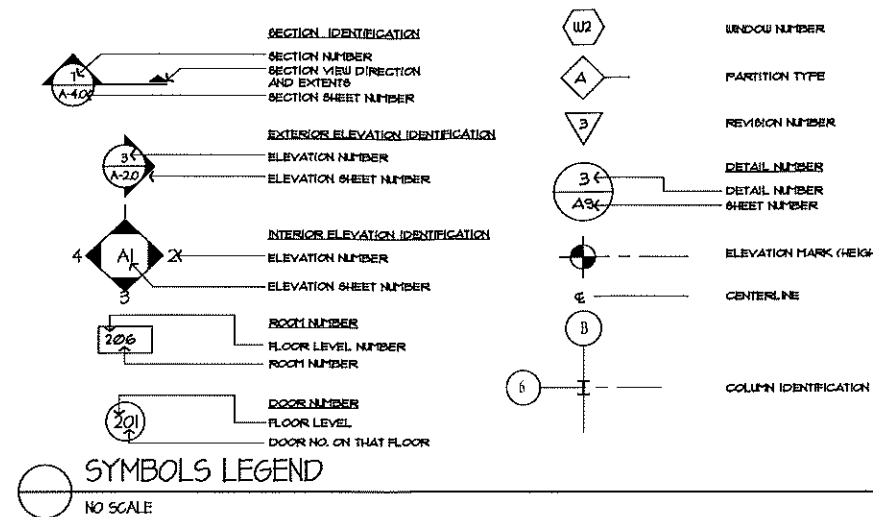
Title Sheet
Architectural:
AS-1.0 Site Key Plan
E-1.0 Electrical Plans
E-2.0 Electrical Symbols & Notes

Laurel Park
Enfield, CT



LOCATION PLAN

not to scale



A.C.T.	ACOUSTICAL CEILING TILE	I.D.	INSIDE DIAMETER INSULATION
AL.T.	ALTERNATE ALUMINUM ARCHITECTURAL	JAN.	JANITOR JOINT
ASB.	ASBESTOS	LAM.	LAMINATED LOW POINT LOCKER
A.T.	ASPHALT TILE AT	MAS.	MASONRY MATERIAL
B.C.	BRICK COURSE	MAX.	MAXIMUM MASONRY COURSE
BD.	BOARD	MECH.	MECHANICAL
BF.	BOTTOM OF FOOTING	MEM.	MEMBRANE
BLDS.	BUILDING	MFR.	MANUFACTURER
CAB.	CABINET	MIN.	MINIMUM
C.C.	CENTER TO CENTER	MISC.	MISCELLANEOUS
C.T.	CERAMIC TILE	M.O.	MASONRY OPENING
C.J.	CONTROL JOINT	N.I.C.	NOT IN CONTRACT
C.L.	CENTER LINE	NO.	NUMBER
C.L.G.	CEILING CASING	N.T.S.	NOT TO SCALE
C.O.	COLUMN	O/C	ON CENTER
COL.	COMPACTED	O.D.	OUTSIDE DIAMETER
COMP.	CONCRETE CONNECTION	OPNG.	OPENING
CONC.	CONCRETE	OPP.	OPPOSITE
CONT.	CONTINUOUS	PERF.	PERFORATED
CORR.	CORRIDOR	P.T.	PRESSURE TREATED
CSK.	COUNTERSINK	R.	RISER (RADIUS)
D.F.	DRINKING FOUNTAIN	R.B.	RUBBER BASE
DET.	DETAIL	REF.	REFERENCE
DEMO.	DEMOLITION	REINF.	REINFORCING
DNG.	DRAWING	RL.	RAIN LEADER
DN.	DOWN	RM.	ROOM
DP.	DOWN DRAIN	SIM.	SIMILAR
ELECT.	ELECTRICAL	SPEC.	SPECIFICATION
E.J.	EXPANSION JOINT	STL.	STEEL
ELEV.	ELEVATION (ELEVATOR)	STRUCT.	STRUCTURAL
E.P.	ELECTRICAL PANEL	STOR.	STORAGE
EQUIP.	EQUIPMENT	SUSP.	SUSPENDED
ETR.	EXISTING TO REMAIN	TERR.	TERRAZZO (TERRACE)
E.M.C.	ELECTRIC WATER COOLER	T&G.	TONGUE AND GROOVE
EXP.	EXTENSION	THRESH.	THRESHOLD
F.A.P.	FIRE ALARM PANEL	T.	TREAD
FD.	FLOOR DRAIN	T/S	TOP OF SLAB
FE.	FIRE EXTINGUISHER	T/STL.	TOP OF STEEL
F.H.C.	FIREHOSE CABINET	T/M.	TOP OF WALL
FIN.	FINISH	TYP.	TYPICAL
FL.	FLOOR	V.C.T.	VINYL COMPOSITE TILE
F/M.	FACE OF MASONRY	V.B.	VINYL BASE
F/F.	FACE OF FRAMING	VERT.	VERTICAL
FDN.	FOUNDATION	VEST.	VESTIBULE
FR.	FIRE RATED	V.I.F.	VERIFY IN FIELD
FTG.	FOOTING	V.M.C.	VINYL WALL COVERING
FUR.	FURFACE	W.	WALL
G.M.U.	GLAZED MASONRY UNIT	W.C.	WATER CLOSET
G.P.B.	GYPSUM WALLBOARD	W.D.	WOOD
GALV.	GALVANIZED	WIND.	WINDOW
GL.	GLASS	W.P.	WATERPROOFING
GLZ.	GLAZING	W.H.	WATER HEATER
GYP. BD.	GYPSUM WALL BOARD		
HGT.	HEIGHT		
H.M.	HOLLOW METAL		
H.P.	HIGH POINT		
H.WD.	HARDWOOD		
HWR.	HARDWARE		

ABBREVIATIONS

NO SCALE

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH APPLICABLE STATE OF CONNECTICUT BUILDING AND FIRE CODES AND SAFETY CODES. BEFORE WORK BEGINS CONTRACTOR IS TO CONTACT CALL BEFORE YOU DIG AT 1-800-422-4455 TO LOCATE ALL UNDERGROUND UTILITIES.
- WORK PERMITS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL SECURE ALL REQUIRED LOCAL AND STATE OF CONNECTICUT PERMITS PRIOR TO COMMENCING WORK. ALL COSTS OF SECURING PERMITS SHALL BE PAID BY THE OWNER.
- ALL MATERIALS AND EQUIPMENT THAT WILL BE USED IN THE CONSTRUCTION OF THIS PROJECT ARE SUBJECT TO THE APPROVAL OF THE OWNER. ALL MATERIALS AND EQUIPMENT REQUIRED BY NOTES OR SPECIFICATIONS SHALL BE SUBMITTED IN THE FORM OF SAMPLES AND SHOP DRAWINGS FOR APPROVAL BY ARCHITECT. WHERE COLOR SELECTIONS ARE MADE, COMPLETE SAMPLES SHALL BE FURNISHED TO THE ARCHITECT.
- ALL EXISTING OR NEW CONSTRUCTION DISTURBED OR DAMAGED DURING THE COURSE OF THIS WORK SHALL BE RESTORED TO MATCH EXISTING ADJACENT SURFACES OR ORIGINAL CONSTRUCTION.
- PRECAUTION MUST BE EXERCISED AT ALL TIMES FOR THE PROTECTION OF PERSONS AND PROPERTY. THE SAFETY PROVISIONS OF APPLICABLE LAWS AND CONSTRUCTION CODES MUST BE OBSERVED. CONTRACTOR SHALL TAKE OR CAUSE TO BE TAKEN SUCH ADDITIONAL SAFETY AND HEALTH MEASURES AS ARE REASONABLY NECESSARY. MACHINERY, EQUIPMENT AND OTHER HAZARDS GUARDED IN ACCORDANCE WITH SAFETY PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, TO THE EXTENT THAT SUCH PROVISIONS ARE NOT IN CONTRADICTION OF APPLICABLE LAWS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND PRESERVE IN OPERATIONAL CONDITION ALL UTILITIES TRAVERSING THE WORK AREA. DAMAGE TO ANY UTILITY DUE TO WORK UNDER THIS CONTRACT SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT NO ADDITION COST TO THE OWNER. UTILITY SHUT DOWNS MUST BE COORDINATED WITH THE OWNER.
- EACH BIDDER WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF WITH THE CONDITIONS WHICH WOULD IN ANY MANNER AFFECT THE WORK UNDER THE CONTRACT AND NO LATER CLAIMS FOR EXTRA COMPENSATION FOR LABOR, MATERIALS AND EQUIPMENT WHICH COULD HAVE BEEN FORESEEN BY SUCH EXAMINATION WILL BE RECOGNIZED.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASUREMENTS FOR HIS WORK AT THE SITE AND SHALL VERIFY ALL MEASUREMENTS AND DIMENSION GIVEN ON THE DRAWINGS. DO NOT SCALE DRAWINGS.
- DO NOT PROCEED WITH CHANGE IN SCOPE OF WORK WITHOUT WRITTEN APPROVAL FROM OWNER OR ARCHITECT.
- ALL DEMOLITION SHOWN ON THESE DRAWINGS IS DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND RELOCATION WORK NECESSARY TO PROPERLY COMPLETE THE PROJECT, REGARDLESS IF DEMOLITION WORK IS SHOWN OR NOT ON DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR LEGAL DISPOSAL OF ALL CONSTRUCTION WASTE AND REMOVED ELEMENTS, UNLESS NOTED OTHERWISE ON DRAWINGS. DEBRIS SHALL BE DISPOSED OF ON A DAILY BASIS.
- THE CONTRACTOR SHALL PROVIDE ALL STRUCTURAL SHORING, BRACING AND SHEATHING AS REQUIRED FOR SAFETY AND FOR PROPER EXECUTION OF WORK AND HAVE SAME REMOVED WHEN WORK IS COMPLETED.
- THE OWNER RETAINS THE RIGHT TO SALVAGE ANY DEMOLISHED OR CONTRACTOR REMOVED MATERIAL(S). CONTACT OWNER BEFORE REMOVAL FROM SITE.

GENERAL CONSTRUCTION and DEMOLITION NOTES

NO SCALE

LAUREL PARK

STREET No.	ELEC. PANEL	ELEC. BANK	OLD MTRNG
1	OP	OMB	OSH
2	OMB	OMB	OSH
3	OP	OMB	OSH
4	OP	OMB	OSH
5	OP	OMB	OSH
6	OP	OMB	OSH
7	OP	OMB	OSH
8	OP	OMB	OSH
9	OP	OMB	OSH
10	OP	OMB	OSH
11	OP	OMB	OSH
12	OP	OMB	OSH
13	OP	OMB	OSH
14	OP	OMB	OSH
15	OMB	OMB	OSH
16	OMB	OMB	OSH
17			
18			
19			
20	OP		
21	OP	OMB	OSH
22	OP	OMB	OSH
23	OP	OMB	OSH
24	OP	OMB	OSH
25	OMB	OMB	OSH
26	OP	OMB	OSH
27	OP	OMB	OSH
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42	OP	OMB	OSH
43	OP	OMB	OSH
44	OP	OMB	OSH
45	OP	OMB	OSH
46	OP	OMB	OSH
47	OP	OMB	OSH
48	OP	OMB	OSH
49	OP	OMB	OSH
50	OP	OMB	OSH
51	OP	OMB	OSH
TOTAL	34	42	40

NUTMEG AVENUE

STREET No.	ELEC. PANEL	ELEC. BANK	OLD MTRNG
26	OP	OMB	OSH
28	OP	OMB	OSH
29			
30	OP	OMB	OSH
31			
32	OP	OMB	OSH
33	OP	OMB	OSH
34	OP	OMB	OSH
35	OP	OMB	OSH
36	OP	OMB	OSH
37	OP	OMB	OSH
38	OP	OMB	OSH
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40	OP	OMB	OSH
41	OP	OMB	OSH
42	OP	OMB	OSH
43	OP	OMB	OSH
44	OP	OMB	OSH
45	OP	OMB	OSH
46	OP	OMB	OSH
47	OP	OMB	OSH
48	OP	OMB	OSH
49	OP	OMB	OSH
50	OP	OMB	OSH
51	OP	OMB	OSH
TOTAL	22	22	22

KEY
OP = OLD PANEL
OMB = OLD BANK
OSH = OLD SERVICE HERE

PEARL STREET

STREET No.	ELEC. PANEL	ELEC. BANK	OLD MTRNG
300	OP	OMB	OSH
302	OP	OMB	OSH
303			
304	OP	OMB	OSH
305			
306	OP	OMB	OSH
307	OP	OMB	OSH
308	OP	OMB	OSH
309	OP	OMB	OSH
310	OP	OMB	OSH
311	OP	OMB	OSH
312	OP	OMB	OSH
313	OP	OMB	OSH
314	OP	OMB	OSH
315	OP	OMB	OSH
316	OP	OMB	OSH
317	OP	OMB	OSH
318	OP	OMB	OSH
319	OP	OMB	OSH
TOTAL	17	15	11

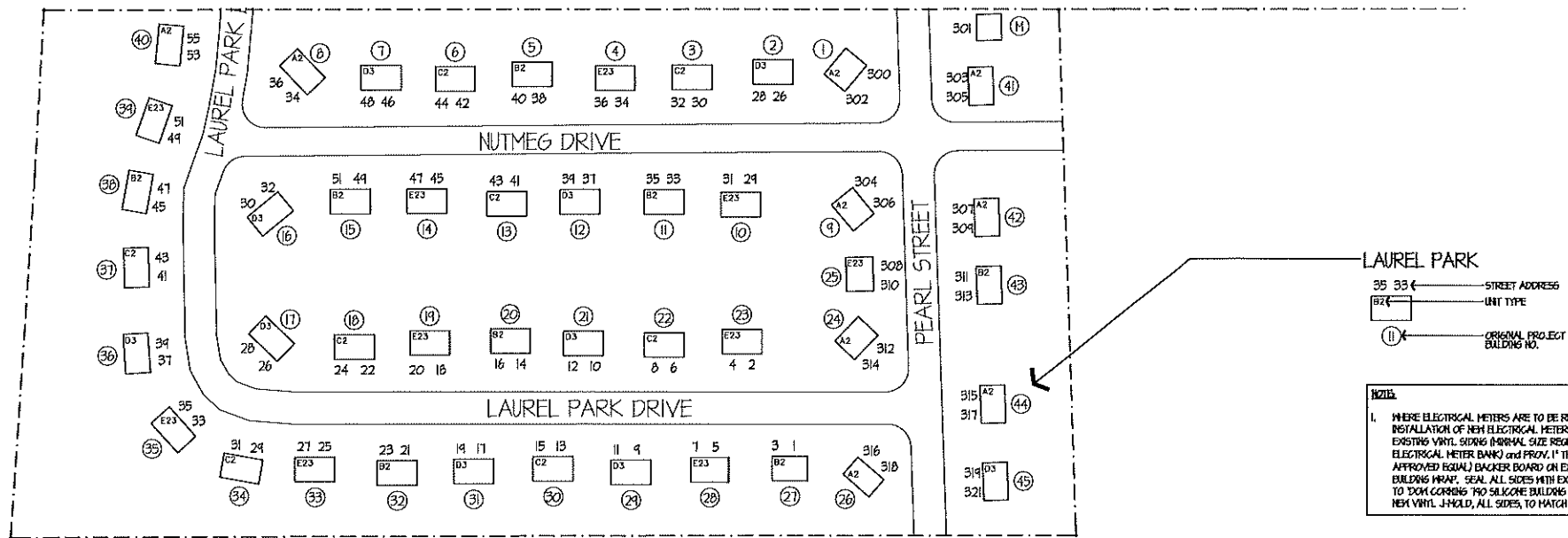
KEY
OP = OLD PANEL
OMB = OLD BANK
OSH = OLD SERVICE HERE

NOTE:
1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS PRIOR TO STARTING THE WORK, INCLUDING VERIFICATION OF ELECTRICAL METERS, PANELS and OVERHEAD ELECTRICAL SERVICE MTRNG. IN THE EVENT ANY CONDITIONS EXIST THAT ARE IN CONFLICT WITH THE INFORMATION CONTAINED IN THE UNIT MATRIX, THE CONTRACTOR SHALL NOTIFY THE OWNER and ARCHITECT IMMEDIATELY.

KEY
OP = OLD PANEL
OMB = OLD METER BANK
OSH = OLD SERVICE HERE

2 UNIT MATRIX

AS-1.0 NO SCALE



LAUREL PARK
35 33 ← STREET ADDRESS
B2 ← UNIT TYPE
11 ← ORIGINAL PROJECT BUILDING NO.

NOTE:
1. WHERE ELECTRICAL METERS ARE TO BE REMOVED, PRIOR TO INSTALLATION OF NEW ELECTRICAL METERS, REMOVE PORTION OF EXISTING VINYL SIDING MINIMAL SIZE REQUIRED FOR NEW ELECTRICAL METER BANK and PROVIDE 1" THICK "JACK" (OR APPROVED EQUAL) BACKER BOARD ON EXISTING SHEATHING / BUILDING WRAP. SEAL ALL SIDES WITH EXTERIOR SEALANT EQUAL TO DCM CORROSION PRO SILICONE BUILDING SEALANT, and PROVIDE NEW VINYL J-HOLD, ALL SIDES, TO MATCH EXISTING SIDING.

1 SITE KEY PLAN

AS-1.0 SCALE: 1" = 80'-0"



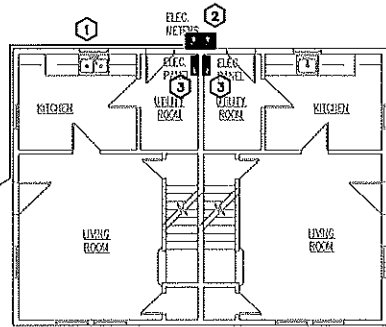
Electrical Upgrades at
LAUREL PARK
Enfield, Connecticut

Enfield Housing Authority
1 Pearson Way
Enfield, CT 06182

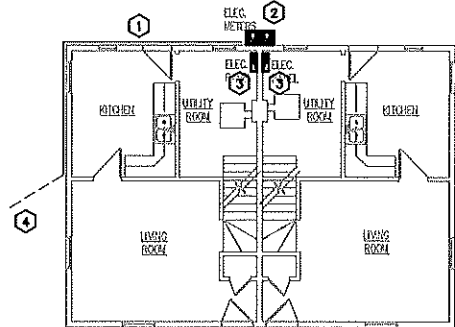
SITE KEY PLAN

AS-1.0

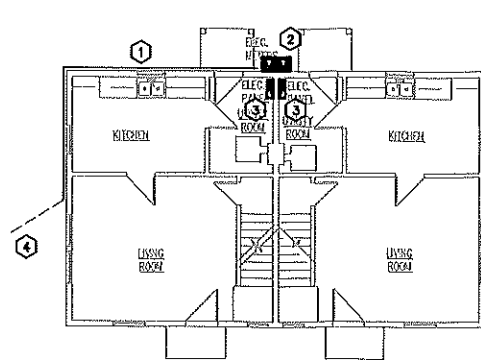
date 30 AUG 2014
drawn JRP
scale AS NOTED
checked DGH
project no. 14-42



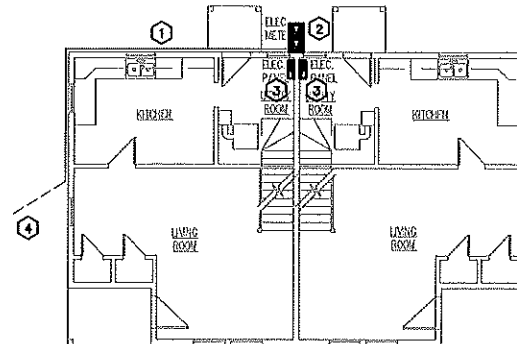
UNIT A-2 FIRST FLOOR PLAN - TYPICAL
SCALE: 1/4" = 1'-0"



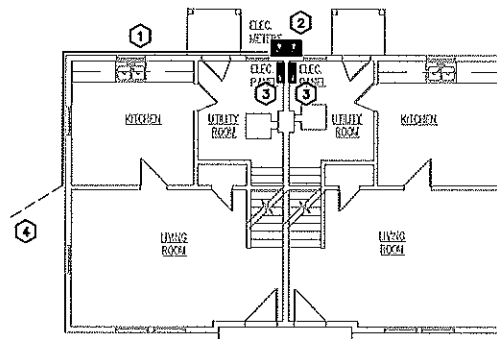
UNIT B-2 FIRST FLOOR PLAN - TYPICAL
SCALE: 1/4" = 1'-0"



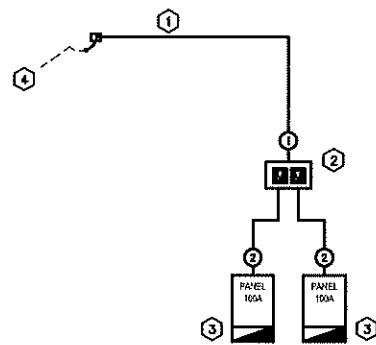
UNIT C-2 FIRST FLOOR PLAN - TYPICAL
SCALE: 1/4" = 1'-0"



UNIT D-3 FIRST FLOOR PLAN - TYPICAL
SCALE: 1/4" = 1'-0"



UNIT E-23 FIRST FLOOR PLAN - TYPICAL
SCALE: 1/4" = 1'-0"



POWER RISER DIAGRAM:

FEEDER SCHEDULE		
FEEDER DESIGNATION	AMPACITY	FEEDER SPECIFICATION
1	200A	3/4" Ø AL TYPE SE CABLE
2	100A	3/2" AL TYPE SE CABLE

PANEL SCHEDULE									
PANEL DESIGNATION	PANEL CONFIGURATION	MAIN DEVICE	BRANCH DEVICES				BRANCH CAPACITY	AIC	MOUNTING
			AMP	POLE	ACTIVE	SPARE			
UNIT PANEL	120/240V, 1φ, 3W	100A MCB	40A	2	1	--	16	10K	SURFACE
			30A	2	1	--			
			20A	1	7	--			
			20A	1 AFCI	3	--			

- 1 REMOVE AND REPLACE EXISTING SERVICE ENTRANCE CABLE. ROUTE NEW CABLE ALONG OUTSIDE OF BUILDING IN LOCATION OF EXISTING, FIELD VERIFY EXACT ROUTING AND LENGTHS PRIOR TO BID. PROVIDE NEW WEATHER HEAD. CONNECT TO EXISTING UTILITY OVERHEAD SERVICE CONDUCTORS.
- 2 REMOVE AND REPLACE EXISTING METERS WITH NEW 2x100A METER SOCKET PER UTILITY COMPANY STANDARDS. NOTE THAT MOST UNITS WILL USE METERS IN A HORIZONTAL SIDE BY SIDE CONFIGURATION BUT TYPE D3 UNITS MUST USE METERS MOUNTED VERTICALLY.
- 3 REMOVE EXISTING SERVICE ENTRANCE CABLE AND PANEL. REPLACE WITH NEW. GROUND NEW SERVICES TO GROUND RODS AND WATER METERS PER NEC. NEW PANELS ARE PROVIDED WITH AFCI BREAKERS, CONNECT EXISTING BRANCH CIRCUITS SERVING LIVING AREAS AND BEDROOMS TO THESE BREAKERS. AVOID PLACING CIRCUITS WITH GFCI RECEPTACLES ON ARC FAULT BREAKERS.
- 4 EXISTING UTILITY OVERHEAD SERVICE CONDUCTORS

Electrical Upgrades at
LAUREL PARK
Enfield, Connecticut

Enfield Housing Authority
1 Pearson Way
Enfield, CT 06032

PROGRESSIVE
ENGINEERING, INC.
100 WASHINGTON ST. SUITE 1004
ENFIELD, CT 06032

PROGRESS DRAWING
NOT FOR CONSTRUCTION
08-30-2019

ELECTRICAL
PLANS

E-1.0



date xx AUG 2019
drawn BBO
scale AS NOTED
checked BBO
project no. 19079

ABBREVIATIONS			
ABBV.	DESCRIPTION	ABBV.	DESCRIPTION
TYP.	TYPICAL	WP	WEATHER PROOF
E.C.	ELECTRICAL CONTRACTOR	TP	TAMPER PROOF
F.A.	FIRE ALARM	GFI	GROUND FAULT INTERRUPTER
U.O.N.	UNLESS OTHERWISE NOTED	AFG	ABOVE FINISHED GRADE
RL	EXISTING TO BE RELOCATED	RM	REMOVE
NL	NEW LOCATION	N	NEW
RR	REMOVE EXISTING AND REPLACE WITH NEW	EX	EXISTING TO REMAIN

ELECTRICAL SYMBOL LIST	
	SELF CONTAINED METER SOCKET
	120/240V PANELBOARD.

ELECTRICAL DEMOLITION NOTES:

I. GENERAL

- IT IS THE PURPOSE OF THIS SECTION TO OUTLINE TO THE ELECTRICAL CONTRACTOR THE GENERAL SCOPE OF THE REMOVAL WORK.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS TO BECOME FAMILIAR WITH THEM AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THIS WORK. THE CONTRACTOR SHALL PERFORM THIS, PRIOR TO THE SUBMISSION OF HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN SUCH AN EXAMINATION HAS BEEN MADE.
- SCOPE OF WORK**
 - NOTES AND GRAPHIC REPRESENTATIONS SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. EXTENT OF ALL DEMOLITION WORK SHALL INCLUDE, BUT NOT LIMITED TO, ELECTRICAL WORK ASSOCIATED WITH THE REMOVAL OF LIGHTING FIXTURES, WIRING DEVICES, MECHANICAL EQUIPMENT, EQUIPMENT AND ALL ASSOCIATED RACEWAY AND WIRING. EXTENT OF ALL DEMOLITION SHALL BE COORDINATED WITH THE ARCHITECTURAL.
 - ALL WORK REQUIRED TO REMAIN IN SERVICE BUT INTERFERING WITH THE ALTERATIONS SHALL BE RELOCATED AND RECONNECTED USING MATERIALS AND STANDARDS OF THIS CONTRACT.
 - EQUIPMENT AND WIRING TO BE REMOVED SHALL BE DE-ENERGIZED PRIOR TO ANY DEMOLITION WORK.
 - EQUIPMENT INDICATED TO BE REMOVED SHALL BE TAKEN FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS. EQUIPMENT REQUIRED TO BE TURNED OVER TO THE OWNER SHALL BE PLACED IN A MUTUALLY ACCEPTABLE LOCATION.
 - FEEDERS AND BRANCH CIRCUITS TO BE REMOVED - CONDUIT AND SUPPORTS SHALL BE REMOVED TO THE PANEL OF ORIGIN. WIRING SHALL BE REMOVED TO THE PANEL OF ORIGIN.
 - WHERE PORTIONS OF EXISTING BRANCH CIRCUITS ARE TO BE REMOVED, CONTRACTOR SHALL TRACE OUT EXISTING DEVICES THAT ARE TO REMAIN AND EXTEND CIRCUITRY AS REQUIRED TO MAINTAIN THE CONTINUITY OF CIRCUITING TO REMAINING DEVICES.
 - PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING CONDUITS, LOW VOLTAGE CABLING AND DEVICES TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILINGS AND PARTITIONS.
 - ALL WORK SHALL BE PROPERLY IDENTIFIED AFTER DEMOLITION. UPDATE ALL PANEL SCHEDULES TO REFLECT EQUIPMENT AND CIRCUIT REMOVALS.

ELECTRICAL SPECIFICATIONS

1.1 GENERAL:

Architect's General Conditions are a part of this Division. All work shall be done in strict accordance with the latest applicable issue of the National Electrical Code, local Codes and utility company requirements. All equipment is to be UL approved. The Contractor shall bear the cost of all fees, permits, licenses and taxes. Utility company charges for the permanent electric service shall be included in the Contractor's Bid.

Submit six (6) copies of manufacturer's drawings of electrical devices to the Owner for approval. Submit information on any other equipment to be used when requested by the Owner or Engineer.

Submit shop drawings for all equipment and/or devices specified. Include in shop drawings manufacturer's name, catalog numbers, cuts, diagrams and other such descriptive data required to identify equipment. No consideration will be given to a partial shop drawing submittal, emails or electronic copies. Submit equipment shop drawings by manufacturer's supplying vendor, catalog reproductions shall not be acceptable.

- Where multiple quantities or types of equipment are submitted, provide a cover sheet (with a list of contents) on submittal identifying equipment or material submitted.
- Clearly indicate all specific options and/or alternatives. Failure to do so will be grounds for rejection.
- Clearly mark all shop drawings with specific associated specification section.

The Contractor shall provide a guarantee covering all material and workmanship for one (1) year following the date of acceptance.

The Contractor shall examine Architectural Drawings and the Drawings and Specifications of other trades to determine the extent of his work. He shall visit the site and familiarize himself with the project and local conditions before submitting his Bid as he shall be held responsible for any assumptions made thereof. The Drawings are diagrammatic and indicate the general arrangement of systems and work included in the Contract. If so directed by the Engineer, the Contractor shall, without extra charge, make reasonable modifications in the layout to prevent conflict with those of other trades and for proper installation of work. The Contractor shall coordinate locations of equipment with trades before starting construction. Any modifications to the equipment layout required for installation are to be performed at no additional cost to the Owner.

The Contractor shall arrange his work so that any power outage does not interfere with the Owner's operation.

GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL:
 - FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS AND OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
 - FURNISH AND INSTALL ALL NECESSARY OUTLETS, SUPPORTS, PULLBOXES, CONDUITS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR INSTALLATION OF WORK.
- DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS AND VERIFICATION OF FIELD CONDITIONS PRIOR TO INSTALLATION OF WORK. ANY CHANGES IN WORK NECESSITATED BY FAILURE OF THE CONTRACTOR TO COMPLY WITH THIS PROVISION SHALL BE UNDERTAKEN BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL NECESSARY CUTTING AND PATCHING FOR WORK OF THIS CONTRACT SHALL BE BY THE CONTRACTOR. PRIOR TO PERFORMING ANY CHASING, CHOPPING OR CORE DRILLING, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE WITH ALL APPROPRIATE TRADES TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECT ANY EXISTING SYSTEMS. WORK ON EXISTING SYSTEMS MUST BE APPROVED BY THE OWNER PRIOR TO PROCEEDING.
- CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES FOR EXACT LOCATION OF ALL EQUIPMENT AND CONTROL DEVICES. LOCATIONS AS SHOWN ON ELECTRICAL DRAWINGS ARE APPROXIMATE.
- OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. SEALANT SHALL BE RATED FOR THREE (3) HOURS.
- ALL EQUIPMENT, DEVICE BOXES, JUNCTION BOXES, PULLBOXES AND OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO THE COVER. IF NECESSARY AND APPROVED BY ENGINEER (PROGRESSIVE ENGINEERING), PROVIDE ACCESS DOORS OR COVER PLATES IN AREAS WHERE UNOBSTRUCTED ACCESS IS NOT POSSIBLE.

1.2 SCOPE OF WORK:

The Contractor shall remove and replace existing service conductors, meters and panels.

The Contractor shall be responsible for relocating or modifying existing equipment and wiring required for new construction.

The electrical system shall be complete in all respects, tested, approved and ready for the beneficial use of the Owner.

1.3 Load Centers:

All panelboards shall be 120/240 Volt, 1-Phase, 3-Wire Square D, General Electric or Siemens. Panelboards shall be furnished with main circuit breaker, and plug in type branch breakers as noted on the panelboard schedule, catch locks, ground bus, circuit index card holder. Panelboard short circuit rating shall be noted on the Drawings.

1.4 FIRE-STOPS AND SEALS:

All penetrations through fire rated walls, ceilings or floors in which cables or conduits pass shall be sealed with a UL approved fire-stop fitting classified for an hourly rating equivalent to the rating of the wall, ceiling or floor.

Through wall and floor seals shall be used to provide a positive means of sealing pipes or conduits which pass through concrete foundation of a structure below grade or below ground water level.

All openings shall be sealed as required by the NEC.

1.5 DEMOLITION:

Disconnect, remove, and properly dispose of all electrical work not being reused as part of this project. All conductors made obsolete by this project shall be removed back to their source of supply. All abandoned conduits shall be capped.

The existing electrical services in the building must remain in operation during the renovation process. The Contractor shall maintain continuity of circuits for existing electrical items which remain.

1.6 SHOP DRAWINGS:

The following list of electrical items must be submitted by the Contractor for approval:

- Service entrance equipment
- Motor bank
- Electrical distribution panelboards and circuit breakers
- Conduit and wire with fittings and connectors



Electrical Upgrades
at
LAUREL PARK
Enfield, Connecticut

Enfield Housing
Authority
1 Pleasant Way
Enfield, CT 06082



DATE PLOTTED: 08/30/2019
TIME: 09:50:00

PROGRESS DRAWING
NOT FOR CONSTRUCTION
08-30-2019

**ELECTRICAL
SYMBOLS &
NOTES**

E-2.0

date xx AUG 2019
drawn BBO
scale AS NOTED
checked BBO
project no. 19079