

## M E M O R A N D U M ADDENDUM #2

- TO: All Bidders
- FROM: Tracey Arena
- DATE: April 28, 2022
- RE: Village of Ardsley Contract No. VOA1811 New Public Works Facility

Addendum #2 consists of 19 pages including this cover sheet

Attached for your review and information is **ADDENDUM # 2** consisting of Clarifications and Additions to:

• Drawings and Specifications Issued April 7, 2022

### **BID DUE DATE REMINDER**

Bid Due: Thursday, May 5, 2022, 11am

MANDATORY: Please sign your name and company below acknowledging receipt of Addendum #2, and email this form back to Calgi Construction Company (Email: tarena@calgiconstruction.com)

Addendum # 2 Acknowledgement:

Name

Company

Celebrating Over a Century of Construction Services

## ADDENDUM NO. 2 dated April 28, 2022

### Village of Ardsley

### Contract No. VOA1811 New Public Works Facility

This Addendum forms part of the Contract Documents and modifies the original bidding documents issued for bid. Such modifications shall be incorporated into the Contract Documents as if they had been included in the original bidding documents. Except as may be modified herein, all portions of the Contract Documents shall remain in full force and effect. Any term used herein with initial capital letters that is not otherwise defined herein shall have the same meaning ascribed to such term as defined in the Contract Documents.

# BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY INDICATES ON THE BID FORM THE NUMBERS RECEIVED.

### I. CLARIFICATIONS

- In recognition of our current market conditions, Bidder's attention Is directed to Division 01 Specifications and General Conditions including but not limited to Supplemental General Conditions, Milestones schedule, Product Requirements, and Submittals. Contractors will be expected to procure materials as soon as practical and to make their best good faith efforts to mitigate and/or prevent any delay in construction. Consideration will be given on a case by case basis for pre payment stored materials. All of the foregoing incorporates and references and is consistent with the terms of the Contract and does not represent a waiver of any of its terms and conditions
- GC shall provide and install sanitary injector pump system and manhole/station.
- Reference drawing 1/P-101 (not issued): Provide two (2) 6" PVC schedule 80 pipe sleeves routed parallel and level from the vehicle wash EQ room to the undercarriage wash trench drains. Top of PVC sleeves shall be routed minimum 6" below finished floor. Extend the two sleeves minimum 7" above the EQ room finished floor. Provide Seal-off fittings at both stub ups. All bends shall be long sweeping type.

### II. SPECIFICATION EDITS AND ADDITIONS

• Section 13 42 00 2.01 A - American Standard Steel Building Systems is ADDED to the list of acceptable manufacturers.

### III. DRAWING

- SK-1 detail for clarification of the south roof overhang at the Shop/Storage 119 deduct alternate #3.
- Reissue Drawing S-002
- Reissue Drawing E102
- Reissue Drawing E201
- Reissue Drawing E202
- Reissue Drawing E203
- Reissue Drawing E204
- Reissue Drawing E502
- Reissue Drawing E503
- Reissue Drawing E704

### IV. CONTRACTORS' QUESTIONS AND ENGINEERS' RESPONSES

 QUESTION: Section 01 12 50 "Summary of Multiple Contracts" under 1.07 General Construction Contract numbers #4, #5 & #6 it is stated that the excavation for the building & the building utilities 5' outside the building perimeter is the responsibility of the General Construction Contractor. Site drainage structures and all building utilities (domestic water services, fire water services and gas service to 5' outside building foundation walls). Listed under 1.09 Plumbing Contract it is stated that the PC is responsible for piped water service from point of connection to proposed facility, including temporary standpipes, hoses for fire protection, hose-bibb and backflow prevention devices. Please clarify which contract is responsible for tapping into the existing domestic water main and installing the domestic water site piping.

**RESPONSE**: The PC is responsible for all interior plumbing scope up to and including 5'-0" outside of the building exterior. All piped water services from point of service connection to 5'-0" outside of the building is specified and indicated on the Civil Engineer's Drawings and falls under the scope of the GC.

2. **QUESTION:** The Architectural elevation & wall section drawings A208 through A503 do not have accurate elevations. Please revise the drawings.

**RESPONSE**: Elevations will be coordinated and verified in the field.

3. **QUESTION:** Under part #3/G in the above section, it is stated that the PC is to provide start-up services of a factory trained technician. My supplier has informed me that AO Smith does not offer start-up services for the specified water heaters. Please clarify what is required of the plumbing contractor in situations like this.

**RESPONSE:** The Plumbing Contractor shall be familiar with the installation and operation of the manufacturer's product. The PC shall provide the specified start-up services as listed, and itemize any item(s) that cannot be tested/verified. Refer to specification section 22 08 00 - Commissioning of Plumbing Systems.

4. **QUESTION**: Drawing S001, Paragraph 1.09 indicates "testing and inspection of structural work will be the responsibility of the contractor" and "The costs of testing and inspection are by the contractor". However, the concrete specification indicates that the testing and inspection is by the owner. The earthwork specification and steel specification also indicates 3rd party testing and inspection is by the GC. Please confirm that it is the intent to split up the 3rd Party Testing and Inspection where the GC is responsible for soils and steel and the owner is responsible for concrete.

**RESPONSE:** Owner will engage and pay for 3<sup>rd</sup>-party inspection of all soil, steel and concrete work.

5. **QUESTION:** Page 000100-1 indicates, "The contractor will obtain all other State, County and other local permits and pay fees that are in force for this project". The AIA Contract, Page 15, Paragraph 3.7.1 indicates that the owner will pay for the permit and review fee. Please clarify if the permit and plan review fee will be waived and/or paid for by the owner AND what are the other fees "that are in force" for this project. Could an allowance be established for all project fees as the contractors have no idea what the other fees will be.

**RESPONSE:** All Village of Ardsley fees will be waived. The Contractors shall be responsible for all other fees.

6. **QUESTION:** Page 002112-2 of the specifications indicate that the general contractor must perform 25% of the contract amount with their own forces. This would require the general contractor to perform either sitework, concrete work, metal building work or all of the finishes with their own forces. Will this 25% requirement be enforced after award of contract?

**RESPONSE**: We expect that all bidders will make all reasonable and good-faith efforts to meet this requirement.

7. **QUESTION**: Detail 6 on Drawing S002 indicates rigid insulation beneath the concrete floor. Other structural drawing details do not indicate rigid insulation under the floor. In addition, Drawing A-202 indicates an "Underslab Insulation Legend". Where are these designations indicated on the Drawings?

**RESPONSE:** Refer to Dwg. A101 for all First Floor/Admin. Wing underslab insulation locations as illustrated on the floor plan and referenced per Underslab Insulation Legend. Refer to Dwg. A202 for Basement underslab insulation locations only.

8. **QUESTION:** Please confirm that all commissioning referenced in Specification 019000 will be done by a 3rd Party Commissioning Agent retained and paid for by the owner and that all of the testing, inspections, etc. will be performed by the 3rd Party Commissioning Agent.

### **RESPONSE:** Confirmed

9. **QUESTION:** There is a heat trace specification in the FP section. I don't see where this would be applied. Please advise if this is a requirement and where is it applied?

**RESPONSE:** The building shall be fully heated without interruption. Heat tracing for the FP system is no longer required.

10. **QUESTION:** FP001 advises that pipe be clean and coordinate painting with Architect. Can we assume the painting is by the C contract?

**RESPONSE:** Painting of pipe is included in the General Contract.

- 11. Referencing 03 30 00 "Specifications call for a variety of admixtures: See attached labeled "admixtures""
  - 1. Question: Where will Item C set accelerating CIA and how much be used if at all?
  - 2. **Question:** Where will item D non set accelerating CIA and how much be used if at all?

**Response**: Items 1 &2 may be used at contractors request as approved by the engineer. Items may be used based on field conditions and other admixtures' requirements

3. **Question:** Where will item F Integral Crystalline Waterproofing and how much be used if at all?

**Response:** Not Required

4. Question: Item E MVRA will be used per the note below? "High performance concrete moisture vapor reduction admixture (MVRA) for all new concrete slabs on grade, elevated slabs, and stair treads and landings uncer Section 03 30 00 - CAST-IN-PLACE CONCRETE that will receive flooring."

**Response:** Correct, use as noted.

- 12. Referencing 03 30 00 Specifications call for some Floor and Slab Treatments:
  - 1. **Question:** Where will Item A Unpigmented Mineral dry-shake floor hardener be used if at all?

Response: Unpigmented Mineral Dry-shake floor hardener - Not used

2. **Question:** Where will item B Penetrating Liquid Floor Treatments be used if at all?

**Response:** Penetrating Liquid Floor Treatment - This is the concrete floor sealer to be applied in areas as scheduled on A901 - Room Finish Schedule.

13. **QUESTION:** Drawing S403 is missing from drawings

RESPONSE: See Addendum #1

14. **QUESTION:** On drawings showing a T tap box for electrical service. In the notes it then calls for a PME-9 switch. We would have to supply the T tap box. Con-Ed would be supplying the PME-9 switch. Please clarify which one is needed.

**RESPONSE:** The contractor is to supply an S&C PME-9 switch, which is labeled as the "t-tap" box on the drawings. The T-tap box and PME-9 switch are the same device. It is to be supplied by the contractor per ConEd's direction, as is stated as such on the electrical drawings.

15. **QUESTION:** Is inside the building gas island and shed still the responsibility of E prime own excavator?

**RESPONSE:** Electrical Contractor owns all excavation for all underground electrical work.

16. **QUESTION:** Need list of all utilities that need to be relocated underground and a possible contact name and number for their individual requirements.

**RESPONSE**: Overhead services that need to located underground are Altice, Verizon, Crowncastle and Con Edison Jason.Curran@AlticeUSA.com; Dennis.Haney@crowncastle.com, robert.m.schaub@verizon.com, FARRELLPA@coned.com

17. **QUESTION:** Has a complete load calculation including the generator for this project been submitted to Con-Edison? Please advise who the field Rep for Con-Edison is. Con-Edison should have an estimate put together of what the cost for this project.

**RESPONSE:** Yes, Patrick Farrell is our contact at Con Edison FARRELLPA@coned.com

18. **QUESTION:** It says the Electric contract is supplying internet for CM trailer, is this just coordinated by Electrical contractor? Who is paying for monthly service?

**RESPONSE:** Electrical Contractor will install internet and phone service and pay for monthly usage.

19. **QUESTION:** Specification 10 22 13, Wire Mesh Partitions, is not found on the drawings. Please advise if this is included in the scope

**RESPONSE:** Wire Mesh Partitions are NOT USED.

20. **QUESTION:** There is still a global material crisis with substantial lead times on materials lingering. The construction milestone schedule does not take this into account. Please confirm completion date will be adjusted, if necessary, to accommodate material deliverables as it becomes known.

**RESPONSE:** In recognition of our current market conditions, Bidder's attention. Is directed to Division 01 Specifications and General Conditions including but not limited to Supplemental General Conditions, Milestones schedule, Product Requirements, and Submittals. Contractors will be expected to procure materials as soon as practical and to make their best good faith efforts to mitigate and/or prevent any delay in construction. Consideration will be given on a case by case basis for pre payment stored materials. All of the foregoing incorporates and references and is consistent with the terms of the the Contract and does not represent a waiver of any of its terms and conditions

21. QUESTION: Please advise if the bid date can be extended

**RESPONSE:** No extension to bid date.

22. **QUESTION:** Drawing A901 calls for SC (sealed concrete), there is only a specification for polished concrete. Please advise if SC/Sealed Concrete is referencing the polished concrete specification 033510 or if polished concrete is just not included in the scope.

**RESPONSE:** Omit Specification 03 35 10 Polished Concrete Finishing. For the sealed concrete finish refer to Specification 03 33 00 Cast in place Concrete; Sec. 2.10 Part B & 3.13 Penetrating Liquid floor Treatment.

23. **QUESTION:** Spec Section 280950 Fuel Dispenser and Fuel Management System and Spec Section 284000 Tank Gauging Instrumentation and Control are located in the Electrical Scope. Typically, these systems were provided by the contract providing the Fuel Tank as they work close together with the manufacturers to make sure all parts work correctly. The Electrical Contract is typically responsible to provide power to these controllers. Please advise.

**RESPONSE:** Specification section 28 09 50 Fuel Dispenser and Fuel management System, and Section 28 40 00 Tank Gauging Instrumentation and Control were intended to be included as part of the General contractor's scope included in Add alternate 2. Note that it is intended to have the electrical contractor provide the fuel system electrical subpanel located in the fuel island electrical cabinet and the conduit and wiring from the fuel island cabinet back the building. All conduit, wiring and equipment located down stream of the fuel island electrical sub panel shall be provided by the General Contractor as shown on sheet EQ206. 24. **QUESTION:** Due to the complexity of the project & its dateline we have received several declining from subcontractors & suppliers who cannot meet the project's due date. Could you please consider to extend the due date at least (2) more weeks?

**RESPONSE:** No extension to bid date.

25. **QUESTION:** Who will supply and install the trench drain & catch basin located at WASHBAY 126 on drawing P101 note#8? If Plumber has to connect, please provide detail for connection.

**RESPONSE:** The vehicle wash center trench and sump are cast-in-place concrete structures provided by the General Contractor per the structural drawings. The plumber shall connect to the center sump using water tight rubber boots or gaskets. GC and PC shall coordinate pipe penetration into the vehicle wash center sump in the field.

26. **QUESTION:** Where are we tying the 4" gas line to on P103 & P104? Are we tying from an upstream 4" gas valve? Is it a new gas service?

**RESPONSE:** There is one (1) 4" natural gas service entering the building adjacent to the Shop 116 as indicated on drawing 1/P-104. This 4" gas main is routed from the ceiling of the Shop 116, through the Mezzanine as shown on drawing 2/P-104, and routed project north at the ceiling of the Vehicle Storage 118 as indicated on drawings 1/P-104 and 1/P-103.

27. **QUESTION:** We need connection details for vehicle wash undercarriage trenches on note#7 drawing P101.

**RESPONSE:** The vehicle wash trench drains are standard pre-fabricated trench drains that will be provided with a bottom outlet and rubber transitions coupling to connect the drain lines too. Plumbing contractor shall coordinate with the vehicle wash contractor.

28. **QUESTION:** Which contract is responsible for asphalt removal?

**RESPONSE:** The electrical contractor will be responsible for asphalt removal in the path of their own excavations.

29. **QUESTION:** Spec section 260501 page 12, paragraph 3.01 item 5 states "Where allowed, branch circuits may be type MC cable between home run junction box and equipment/device connection in dry wall partitions only". Is MC cable permitted for all concealed power and lighting branch circuits including above accessible ceilings?

**RESPONSE:** MC cable is allowed on all 15 Amp and 20 Amp branch circuits, but only between home run junction box and equipment/device connection in drywall partitions. MC cable is not allowed above accessible ceilings.

30. QUESTION: Can concealed fire alarm cable be installed as "open" plenum cable?

**RESPONSE:** All fire alarm cable is to be installed in conduit per the specifications.

31. **QUESTION:** Spec section 011250 page 8 paragraph 1.11 item 7E mentions cathodic protection. Please provide a detailed layout of requirements as nothing is shown in drawings.

**RESPONSE:** No need for Cathodic Protection.

32. **QUESTION:** Drawing E503 addendum 1 -detail 3. Please advise number of locations that is typical lighting control details apply to.

**RESPONSE:** This detail is not applicable and will be deleted in Addendum #2.

33. **QUESTION:** Drawing E502 detail 6. Is this detail applicable to only 1 structural steel column? If not, please advise how many structural steel columns it applies to. We need exact quantity.

**RESPONSE:** Detail 6 is only applicable to 1 location and corresponds to detail 4/E502. Details to be clarified in Addendum #2.

34. **QUESTION:** Spec section 011250-page 8 paragraph 1.11, item A7D mentions a lightening protection system, however nothing is shown on any of the drawings, nor is there a technical specification given. Please clarify exact requirements or advise if this requirement should be deleted from the specifications.

**RESPONSE:** No need for Lighting Protection System.

35. **QUESTION:** Due to late issuance of Addendum #1 and unanswered questions sent as request for information, we are requesting a 1 week extension of the bid due date after all questions have been submitted to date are answered.

**RESPONSE:** There is no bid extension. Addendum #1

36. QUESTION: Do you really want 35KV cable?

**RESPONSE:** Provide what is specified.

37. **QUESTION:** Please confirm to general contractor pays all monthly utility charges of the temporary electric service or does the owner.

**RESPONSE:** Electrical contractor will install electric service. Owner will pay for all temporary electric usage

38. **QUESTION:** There is not Fire Alarm Riser diagram given. Will a detailed Fire Alarm Diagram be forthcoming?

**RESPONSE:** Fire alarm block diagram will be added in Addendum #2.

39. **QUESTION:** Drawing E102 Addendum #1, there is no Fire Alarm Control Panel shown. Please advise exact location of the Fire Alarm Control Panel.

**RESPONSE:** Fire Alarm Control panel was shown in Electrical Room 117 in the original bid documents, but disappeared in Addendum #1. Addendum #2 will add the FACP back to room 117.

40. **QUESTION:** In the Spec section 000416 on page 8 depicts a list of the unit prices which the contractors are to provide. One of the items is for Lighting Fixture (each type). How are we to provide unit pricing as there are several different light fixture types but there is only one line of the proposal form. Please advise.

**RESPONSE:** Unit Price for Lighting Fixture Type - C1

41. QUESTION: Unit price for 225A Breaker at 550 LF, what exactly does that mean?

RESPONSE: Replace Unit "at 550 Feet" with "Each"

42. **QUESTION:** Unit price for Feeder no information given what size?

**RESPONSE:** Feeder Unit prices needed are listed as the following: 4#4, 1#8G-1.25" C per Linear Foot 3#2, 1#6G-2" C per Linear Foot 4#4/0, 1#2G-2.5" C per Linear Foot 4#500 mcm, 1#350mcmG-3.5" C per Linear Foot

43. **QUESTION:** Drawings say foundations 4,000 PSI concrete. Specifications say footing and foundation walls 4,500 PSI concrete?

**RESPONSE:** Use 4,500 PSI concrete.

44. **QUESTION:** Drawings say interior slabs-on-grade, kneewalls, curbs and equipment pads 4,500 PSI concrete. Specifications say slab-on-grade 5,000 PSI concrete. Specifications say suspended slabs 4,000 PSI concrete.

**RESPONSE:** Use 4,500 PSI concrete for interior slabs-on-grade, kneewalls, curbs and equipment pads. Use 4,000 PSI concrete for suspended slabs.

45. **QUESTION:** Specifications for slab-on-grade say 6% air content. This is not normal for steel troweled finish slabs. Specifications for suspended slab say do not allow air content of troweled finished floors to exceed 3 percent.

**RESPONSE:** Confirmed slab-on-grade 6% air content. Confirmed suspended slab no air content.

### END OF ADDENDUM No. 2



# (A) RISK CATEGORY

	SUPERIMPOSED	LIVE LOADS			
OCCOPANCE / USE	DEAD LOAD <sup>a</sup>	UNIFORM	CONCENTRATE		
OFFICE + PARTITIONS	20 psf	80 psf	2000 lbs		
LOBBIES, 1st FLOOR CORRIDORS, CONFERENCE	20 psf	100 psf	2000 lbs		
SLABS-ON-GRADE IN VEHICLE STORAGE, VEHICLE MAINTENANCE, AND SHOPS	ACTUAL WEIGHT OF EQUIPMENT	250 psf OR HS-20 <sup>g</sup>	-		
ROOF	16 psf <sup>b</sup>	20 psf <sup>c</sup>	-		
MEZZANINE	20 psf	250 psf	3000 lbs		
MECHANICAL ROOMS	20 psf	150 psf	-		
STAIRS AND EXITS	5 psf	100 psf	300 lbs <sup>d</sup>		
MAINTENANCE CATWALKS	5 psf	40 psf	300 lbs <sup>d</sup>		
HANDRAIL AND GUARDRAIL SYSTEMS	-	50 lb/ft <sup>e</sup>	200 lbs <sup>f</sup>		
INTERMEDIATE RAILS & PANEL FILLERS	-	50 lb/ft <sup>e</sup>	-		

SCALE: 1/2" = 1'-0"

(c) ROOF LIVE LOAD. ALSO REFER TO SNOW LOAD REQUIREMENTS IN 9.04.

CONCENTRATED LOADS ARE NOT APPLIED CONCURRENTLY.



## **10.0 - BUILDING DEFLECTION LIMITS**

BUILDING DEFLECTION LIMITS	5		
CONSTRUCTION	LIVE	SNOW OR WIND (c)	DEAD+LIVE
DOF MEMBER (d) SUPPORTING PLASTER CEILING SUPPORTING NON PLASTER CEILING	(a) 1/360 1/240 1/180	(a) 1/360 1/240 1/180	1/360 1/240 1/180
OOR MEMBERS	(b) 1/360	-	1/240
(TERIOR WALLS AND INTERIOR PARTITIONS WITH MASONRY VENEER ALL OTHER CASES	-	1/600 1/240	-

Project:





- A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINAIRES AND DEVICES USING (2)# 12,(1)#12G, 3/4"C TO PANEL HP2 UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINAIRES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT, TAPPED UPSTREAM OF ANY CONTROL DEVICES.
- D. ALL EXTERIOR LIGHT FIXTURES SHAL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117.

## E201 DRAWING NOTES

1 LIGHT FIXTURE IS PART OF MEZZANINE 2A ALTERNATE 1, FOR BASE BID LIGHTING LAYOUT SEE DRAWINGS E203 & E204. BASE BID PROVIDE CIRCUITING AS SHOWN TO A JUNCTION BOX FOR UNDER MEZZANINE LIGHTING.

Project:
VILLAGE OF ARDSLEY, NY
AGE
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Plantalm
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COSL
NEW PUBLIC WORKS
FACILITY
220 HEATHERDELL ROAD, VILLAGE OF ARDSLEY,
NEW YORK 10502
Weston & Sampson
WESTON & SAMPSON, PE, LS, LA, PC 1 Winners Circle Suite 130
Albany, NY 12205 (508) 698-3034 (800) SAMPSON
Consultants:
56 Lafayette Avenue, Suite 350 White Plains, NY 10603 (914) 682-9423
Established 1919
ME ENGINEERING
Mechanical/Electrical Engineering Consultants
433 STATE STREET, SUITE 410 518 533.2171 SCHENECTADY, NY 12305 www.meengineering.com
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ARCHITECTURE
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Revisions:
Rev   Date   Description     1   04/28/22   ADDENDUM NO 2
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SCALE: AS NOTED
Date: APRIL 7, 2022
Drawn By: KML
Reviewed By: SZE
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W&S Project No: N2190088
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W&S Project No: N2190088 Drawing Title: FIRST FLOOR AREA A LIGHTING PLAN Sheet Number:



- A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINARIES AND DEVICES USING (2)# 12,(1)#12G, 3/4"C TO PANEL HP1, UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINARIES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT, TAPPED UPSTREAM OF ANY CONTROL DEVICES.
- D. ALL EXTERIOR LIGHT FIXTURES SHALL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117

## E202 DRAWING NOTES

1 LIGHT FIXTURE IS PART OF MEZZANINE ALTERNATE 1, FOR BASE BID LIGHTING LAYOUT SEE DRAWINGS E203 & E204. BASE BID PROVIDE CIRCUITING AS SHOWN TO A JUNCTION BOX FOR UNDER MEZZANINE LIGHTING.



# ENLARGED ELECTRIC ROOM LIGHTING PLAN



Project:
VILLAGE OF ARDSLEY, NY
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(5) A 101
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POEL
FACILITY
220 HEATHERDELL ROAD, VILLAGE OF ARDSLEY, NEW YORK 10502
Weston (&) Sampson <sup>™</sup>
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Albany, NY 12205 (508) 698-3034 (800) SAMPSON www.westonandsampson.com
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Capital District   Rochester   Buffalo   Syracuse 433 statE striket surface   Suffalo   Syracuse 518.533.2171 SCHENECTADY, NY 12305 www.meengineering.com
RHINFRFCK
ARCHITECTURE
Caral
Seal:
Revisions:
Rev Date Description
1 04/28/22 ADDENDUM NO. 2
Issued For: BID
PROJECT TRUE
SCALE: AS NOTED
Date: APRIL 7, 2022
Drawn By: KML
Reviewed Bv: SZE
Approved Bv: BAB
W&S Project No: N2190088
Drawing Title:
FIRST FLOOR
AREA B AND
Sheet Number:
F202



- A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINARIES AND DEVICES USING (2)# 12,(1)#12G, 3/4"C TO PANEL HP1, UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINARIES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT, TAPPED UPSTREAM OF ANY CONTROL DEVICES.
- D. ALL EXTERIOR LIGHT FIXTURES SHALL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117

## E203 DRAWING NOTES

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- 1 AREA IS PART OF THE MEZZANINE 2A ALTERNATE 1, SHOULD ADD ALTERNATE NOT BE ACCEPTED LIGHT FIXTURES SHOWN SHALL BE TYPE "C1", AND SHALL BE CONNECTED TO THE VEHICLE STORAGE LIGHTING CONTROLS
- SERIES CBL) SUITABLE FOR 277V INPUT. PROVIDE WITH OPTIONAL LCD DISPLAY
- WIRING. 3 CIRCUIT ALL FIXTURES ON SWITCHLEG "a" IN VEHICLE STORAGE 118 WITH (2)#10, (1)#10G, 3/4"C. PROVIDE 30A/1P BREAKER.



1 MEZZANINE LIGHTING PLAN - MEZZANNINE 1

Project:
VILLAGE OF ARDSLEY, NY
S'and P)
7 1896
NEW PUBLIC WORKS
FACILITY 220 HEATHERDELL ROAD, VILLAGE OF ARDSLEY, NEW YORK 10502
WESTON & SAMPSON, PE, LS, LA, PC 1 Winners Circle Suite 130 Albenty, NY 12205
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Mechanical/Electrical Engineering Consultants
433 STATE STREET, SUITE 410 SCHENECTADY, NY 12305 RHINFBRCK
ARCHITECTURE
Seal:
Revisions:
Rev Date Description
Issued For: BID
PROJECT TRUE
SCALE: AS NOTED         Date:       APRIL 7, 2022
Drawn By: KML
Approved By: BAB
W&S Project No: N2190088
Drawing Title:
MF77ANNINF
Sheet Number:



- A. UNLESS OTHERWISE NOTED, CIRCUIT ALL LUMINARIES AND DEVICES USING (2)# 12,(1)#12G, 3/4"C TO PANEL HP1, UNLESS OTHERWISE NOTED.
- B. COORDINATE MOUNTING OF ALL CEILING MOUNTED LUMINARIES WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL EXIT SIGNS SHALL BE POWERED FROM THE LOCAL LIGHTING CIRCUIT, TAPPED UPSTREAM OF ANY CONTROL DEVICES.
- D. ALL EXTERIOR LIGHT FIXTURES SHALL BE ON THE SAME CIRCUIT AND CONTROLLED BY THE TIME CLOCK LOCATED IN ELEC. ROOM 117

## E204 DRAWING NOTES

1 AREA IS PART OF THE MEZZANINE 2A ADD ALTERNATE, SHOULD ADD ALTERNATE NOT BE ACCEPTED LIGHT FIXTURES SHOWN SHALL BE TYPE "C1", AND SHALL BE CONNECTED TO THE VEHICLE STORAGE LIGHTING CONTROLS.







- (6) BOND GROUND BUS TO EQUIPMENT ENCLOSURE WITH BARE COPPER BONDING JUMPER PER N.E.C ARTICLE 250-28.
- 5 MAIN BONDING JUMPER. PROVIDE INSULATED COPPER CONDUCTOR PER N.E.C. ARTICLE 250-28.
- (4) MADE GROUNDING ELECTRODE. REFER TO MADE GROUNDING ELECTRODE-GROUND GRID" DETAIL & SPECIFICATIONS.
- (3) BUILDING STRUCTURAL STEEL.
- 2 METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR 10 FEET OR MORE. SHALL BE SUPPLEMENTED BY ITEMS 3 & 4.
- (1) GROUNDING ELECTRODE CONDUCTOR. PROVIDE INSULATED COPPER CONDUCTOR PER SPECIFICATIONS. IF NO SIZE IS SPECIFIED, PROVIDE INSULATED COPPER CONDUCTOR SIZED PER N.E.C., TABLE 250-66. INSTALL IN RIGID, SCHEDULE 40, PVC RACEWAY.

# DETAIL NOTES:



2 TYPICAL DIRECT BURIED CONDUIT DETAIL NTS

- D. WHERE ADDITIONAL CONDUITS ARE REQUIRED, INCREASE TRENCH WIDTH AND INSTALL CONDUITS WITH 3" MINIMUM SPACING.
- C. MINIMUM TOP SOIL 6".
- B. REPAIR ALL SETTLEMENT.
- A. READ THE SPECIFICATIONS.

MYLAR TAPE WITH WORDING:

LINE BELOW"

- **DETAIL NOTES:**







-PAVING OR TOPSOIL TO





<u>/2</u>





6 STRUCTURAL STEEL GROUNDING DETAIL NTS 4/ E502

Project:	
VILLAGE OF ARDSLE	Y, NY
NAGE	
IN AN	5
-	7
1896	5)
POSLE	/
NEW PUBLIC WOF	RKS
	ΔΠ
VILLAGE OF ARDSLE NEW YORK 10502	чр, Ү,
Weston & Sam	npson
WESTON & SAMPSON, PE, LS, 1 Winners Circle Suite 130 Albany, NY 12205	LA, PC 0
(508) 698-3034 (800) SAMP www.westonandsampson.co	SON
Consultants:	
56 Lafayette Avenu White Plains, N	e, Suite 350 Y 10603
Established 1919 (914) 682-9 www.calgiconstru	423 Iction.com
ME ENGINEERIN	G
Mechanical/Electrical Engineering Consult Capital District   Rochester   Buffalo   Syracuse 433 GATAE STREET SUITE 410 STREET SUITE 410 STREET SUITE 410	ants
www.meengine	
KHINEB ARCHITEC	E C K T V R E
Qual	
Seal:	
Revisions:	
Pay Data Description	
Rev         Date         Description           1         04/22/22         ADDENDUM NO           2         04/22/22         ADDENDUM NO	. 1
2 04/28/22 ADDENDUM NO	. 2
Issued For: BID	
PROJECT TRUE	
SCALE: AS NOTED	
Date: APRIL 7, 202	22
Drawn By: KML	
Reviewed By: SZE	
Approved By: BAB	
W&S Project No: N2190088	
Description Title	
Drawing Title:	
ELECTRICA	
DETAILS	
Sheet Number	
Sheel NUMDER:	
	)
CUUZ	



(1)

THROUGH SITE. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PROVIDE (1) 4"C FROM T-TAP TO WITHIN 2' OF THE EXISTING UTILITY POLE. (REFER TO SITE



				F	PANEI	BOA	rd dire	ECTOF	RY			
	M/E PROJECT: NEW PUBLIC	WORKS	FACILIT			LIDO						
	PROJECT NO.: 203050				PANEL	NAME:		HPZ				
	FACILITY:					VOLTAGE:	480/277 Wye	L-L F	PHASE: 3	3		
	LOCATION: MEZZ 1 200					AIC:	14	k	WIRE: 4	<u> </u>		
						SOURCE:	HP1					
CKT NO.	CIRCUIT DESCRIPTION	TRIP	POLE		А		В		С	POLE		
1				3879.8	1662.8	3						
3	5 TON CRANE	35 A	3			3879	.8 1662.8			3		
5								3879.8	1662.8	1		
7				3048.4	23453	;						
9	VEHICLE WASH PRESS PLANT	20 A	3			3048	.4 28503.4			3		
11								3048.4	19190.6	1		
13				5819.7	19399	)						
15	L COMP-1	60 A	3			5819	.7 19399			3		
17								5819.7	19399			
19	DSF-120A.B	15 A	1	127.4	4329					1		
21	DSF-126	15 A	1			63.7	<b>'</b> 0					
23	SPACE							0	0			
25	SPACE			0	0							
27	SPACE					0	0					
29	SPACE							0	0			
31	SPACE			0	0							
33	SPACE					0	0					
35	SPACE							0	0	<u> </u>		
37	SPACE			0	0							
39	SPACE					0	0					
41	SPACE							0	0			
	1											

					F	PANELE	BOAF	rd dire	ЕСТО	RY					
		M/E PROJECT: NEW PUBLIC W	/ORKS	FACILIT	Y						TYPE: BRANCH				
		PROJECT NO.: 203050					·					MOUNTING: SURFACE			
		FACILITY:				VO	LTAGE:	120/208 Wye	L-L	PHASE:	3	OCP	TYPE: MCB		
		LOCATION: MEZZ 1 200					AIC:	10	k	WIRE:	4	BUS RA			
				,		S		12				MCB RA	ATING:  275 A		
CKT NO.		CIRCUIT DESCRIPTION	TRIP	POLE		A		В		С	POLE	TRIP	CIRCUIT DESCRIPTION	CKT NO.	
1	1111 400		1 <i>5</i> A	2	124.8	312					1	20 A	ERV-126,122	2	
3	UH-122		IS A				124.8	168			1	20 A	PARTS WASHER	4	
5	VEHICL	E WASH HOT WATER HEATER	20 A	1					120	180	1	20 A	BATTERY CHARGER	6	
7	CHAINSAW SHARPENER		20 A	1	252	624					1	20 A	4 POST MOBILE LIFT	8	
9	DEF MOBILE CART W/ PUMP		20 A	1			336	720			1	20 A	GAS DETECTION SYSTEM	10	
11	WH-2		15 A	1					600	696	1	15 A	EF-200	12	
13	REC EX	EC EXTERIOR		1	720	900					1	20 A	REC MEZZ 2A	14	
15	REC WASHBAY EQP, FLUIDS, & TLT		20 A	1			1080	972			1	20 A	AC RECHARGE MACHINE	16	
17	ELECTF	RICAL REEL	20 A	1					900	7.2	1	20 A	FLUID STORAGE SUMP ALARM	18	
19	BACK G	ATE	20 A	1	1176	1800					1	20 A	CHARGING STATION	20	
21	REC ME	ECH OFF & PARTS STOR	20 A	1			1260	416			2	15 Δ	EE-124	22	
23	DRILL P	RESS	20 A	1					2300	416	2			24	
25	HYDRA	ULIC HOSE CRIMPING	40 A	1	2400	2912					2	50 A		26	
27	HOSE S	AW	20 A	1			6700	2912			2	50 A		28	
29			20 A	2					624	1040	2	20 /		30	
31		ANGEN	20 A	2	624	1040					2			32	
33	WASTE	ANTIFREEZE HIGH LVL ALARM	20 A	1			7.2	1320			1	20 A	BENCH GRINDER	34	
35	SPACE								0	0			SPACE	36	
37	SPACE				0	0							SPACE	38	
39	SPACE						0	0					SPACE	40	
41	SPACE								0	0			SPACE	42	

								RU		СТО	RV				
		M/E PROJECT: NEW PUBLIC \ PROJECT NO : 203050	NORKS	FACILI	r ry	PANEL N	AME:			LP-2			MOUI		
		FACILITY:				VC	LTAGE:	120/	/208 Wye	L-L	PHASE:	3	OCP		
		LOCATION: MEZZ 1 200				S	OURCE:	LP-2	10	ĸ	WIRE:	4	MCB R	ATING: 400 A ATING:	
CKT NO.		CIRCUIT DESCRIPTION	TRIP	POLE		A		В			С	POLE	TRIP	CIRCUIT DESCRIPTION	CKT NO.
43	OIL HIG	H LEVEL ALARM	20 A	1	7.2	900						1	20 A	REC MEZZ 1	44
45 47	WELDE	R	50 A	2			5928	3	260	5928	260	2	15 A	UH-120A	46
49	REC VE	HICLE MAINT	20 A	1	900	1393.6						2	20 A	VRF-121	50
51 53	UH-120	С	15 A	2			260		1393.6	260	1508		20.4		52 54
55	EUH-1		20 A	2	1508	1508	1509	2	300.2				20 A		56
59							1500	5	300.2	936.7	300.2	3	15 A	EF-126	58 60
61	EF-120		20 A	3	936.7	300.2									62
63							936.	7	0	1000.0		2	20 A	WELDER	64
65					4000.0			_		1200.9	0	_			66
67 69			20 A	3	1200.9		1200.	.9	0			2	20 A	WELDER	68 70
71		D	20.4	2						0	1393.6	2	15 Δ		72
73		R	20 A	2	0	1393.6						2	15 A	ACC0-121	74
75	REC LIF	T UTILITY	20 A	1			180	)	260			2	15 Δ	LIH-120B	76
77	UH-126	Δ	15 A	2						260	260				78
79					260	260						2	15 A	UH-126B	80
81	SPACE						0		260						82
83	SPACE									0	0			SPACE	84

TYPE:BRANCHMOUNTING:SURFACEOCP TYPE:MCBBUS RATING:400 AICB RATING:225 ATRIPCIRCUIT DESCRIPTIONCKT NO.20 AOH DOORS VEHICLE MAINT 120468225 A1020 AOH DOORS VEHICLE MAINT 120490 AAUTO UNDERCARRIAGE PUMP SKID16181490 AVEHICLE MAINT/ WASHBAY LTG20-SPACE22-SPACE22-SPACE26-SPACE30SPACE30SPACE34SPACE36SPACE38SPACE38SPACE38SPACE38SPACE38SPACE38SPACE38SPACE40											
MOUNTING:SURFACE MCBOCP TYPE:MCBSUS RATING:400 AICB RATING:225 ATRIPCIRCUIT DESCRIPTIONCKT NO.20 AOH DOORS VEHICLE MAINT 120468225 AT2 (FEEDING LP2)1012121290 AAUTO UNDERCARRIAGE PUMP SKID161820 AVEHICLE MAINT/ WASHBAY LTG20SPACE22SPACE22SPACE28SPACE30SPACE32SPACE32SPACE36SPACE36SPACE38SPACE38SPACE38SPACE38SPACE38SPACE40SPACE42		TYPE:	BRANCH								
OCP TYPE:         MCB           BUS RATING:         400 A           ICB RATING:         225 A           TRIP         CIRCUIT DESCRIPTION         CKT NO.           20 A         OH DOORS VEHICLE MAINT 120         4           6         8         10           225 A         T2 (FEEDING LP2)         10           12         10         12           90 A         AUTO UNDERCARRIAGE PUMP SKID         16           18         10         12           90 A         AUTO UNDERCARRIAGE PUMP SKID         16           18         20         SPACE         22            SPACE         22            SPACE         24            SPACE         26            SPACE         26            SPACE         26            SPACE         30            SPACE         32            SPACE         32            SPACE         36            SPACE         36            SPACE         36            SPACE         38 <td>MOUN</td> <td>ITING:</td> <td>SURFACE</td> <td></td>	MOUN	ITING:	SURFACE								
BUS RATING:         400 A           ICB RATING:         225 A           TRIP         CIRCUIT DESCRIPTION         CKT NO.           20 A         OH DOORS VEHICLE MAINT 120         4           6         8         6           225 A         10         12           20 A         72 (FEEDING LP2)         10           12         10         12           20 A         AUTO UNDERCARRIAGE PUMP SKID         16           18         20 A         VEHICLE MAINT/ WASHBAY LTG         20            SPACE         22         24            SPACE         24         24            SPACE         22         24            SPACE         26         24            SPACE         26         24            SPACE         26         30            SPACE         30         32            SPACE         32         32            SPACE         36         32            SPACE         38         34            SPACE         38         34	OCP	TYPE:	MCB								
ICB RATING:       225 A       CKT         TRIP       CIRCUIT DESCRIPTION       CKT         20 A       OH DOORS VEHICLE MAINT 120       4         6       8       10         225 A       T2 (FEEDING LP2)       10         12       10       12         90 A       AUTO UNDERCARRIAGE PUMP SKID       16         18       20 A       VEHICLE MAINT/ WASHBAY LTG       20          SPACE       22          SPACE       26          SPACE       28          SPACE       30          SPACE       32          SPACE       32          SPACE       34          SPACE       34          SPACE       38          SPACE       38          SPACE       38          SPACE       38          SPACE       38          SPACE       38          SPACE       40          SPACE       40	BUS RA	TING:	400 A								
TRIPCIRCUIT DESCRIPTIONCKT NO.20 AOH DOORS VEHICLE MAINT 120420 AOH DOORS VEHICLE MAINT 120420 AT2 (FEEDING LP2)1012101220 AAUTO UNDERCARRIAGE PUMP SKID1618101820 AVEHICLE MAINT/ WASHBAY LTG20SPACE22SPACE22SPACE24SPACE28SPACE30SPACE32SPACE32SPACE34SPACE34SPACE38SPACE38SPACE40SPACE42	ICB RA	TING:	225 A								
20 A         OH DOORS VEHICLE MAINT 120         4           6         6           225 A         T2 (FEEDING LP2)         10           12         11           90 A         AUTO UNDERCARRIAGE PUMP SKID         16           18         20 A         VEHICLE MAINT/ WASHBAY LTG         20            SPACE         22         22            SPACE         22            SPACE         26            SPACE         26            SPACE         28            SPACE         30            SPACE         32            SPACE         32            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         38            SPACE         38            SPACE         38            SPACE         40            SPACE         40            SPACE         42	TRIP		CIRCUIT DESCRIPTION								
20 A       OH DOORS VEHICLE MAINT 120       4         6       6         225 A       T2 (FEEDING LP2)       10         12       12         90 A       AUTO UNDERCARRIAGE PUMP SKID       16         18       20 A       VEHICLE MAINT/ WASHBAY LTG       20          SPACE       22          SPACE       24          SPACE       26          SPACE       26          SPACE       26          SPACE       30          SPACE       30          SPACE       32          SPACE       34          SPACE       36          SPACE       38          SPACE       38          SPACE       38          SPACE       38          SPACE       40          SPACE       40          SPACE       42				2							
6           225 A         T2 (FEEDING LP2)         10           12         10         12           90 A         AUTO UNDERCARRIAGE PUMP SKID         16           18         18         18           20 A         VEHICLE MAINT/ WASHBAY LTG         20            SPACE         22            SPACE         24            SPACE         28            SPACE         30            SPACE         32            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         38            SPACE         38            SPACE         38            SPACE         38            SPACE         40            SPACE         40	20 A OH DOORS VEHICLE MAINT 120										
225 A         T2 (FEEDING LP2)         8           10         12           90 A         AUTO UNDERCARRIAGE PUMP SKID         16           18         18           20 A         VEHICLE MAINT/ WASHBAY LTG         20            SPACE         22            SPACE         24            SPACE         26            SPACE         28            SPACE         30            SPACE         32            SPACE         30            SPACE         34            SPACE         36            SPACE         38            SPACE         38            SPACE         40            SPACE         40											
225 A       T2 (FEEDING LP2)       10         12       12         90 A       AUTO UNDERCARRIAGE PUMP SKID       16         18       18         20 A       VEHICLE MAINT/ WASHBAY LTG       20          SPACE       22          SPACE       24          SPACE       26          SPACE       28          SPACE       30          SPACE       30          SPACE       34          SPACE       36          SPACE       38          SPACE       38          SPACE       38          SPACE       40          SPACE       42											
12           90 A         AUTO UNDERCARRIAGE PUMP SKID         14           18         18           20 A         VEHICLE MAINT/ WASHBAY LTG         20            SPACE         22            SPACE         24            SPACE         26            SPACE         28            SPACE         30            SPACE         30            SPACE         30            SPACE         30            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         38            SPACE         40            SPACE         42	225 A T2 (FEEDING LP2)										
90 AAUTO UNDERCARRIAGE PUMP SKID1490 AAUTO UNDERCARRIAGE PUMP SKID1618201820 AVEHICLE MAINT/ WASHBAY LTG20SPACE22SPACE24SPACE26SPACE28SPACE30SPACE32SPACE34SPACE36SPACE38SPACE40SPACE42											
90 A         AUTO UNDERCARRIAGE PUMP SKID         16           18         18           20 A         VEHICLE MAINT/ WASHBAY LTG         20            SPACE         22            SPACE         24            SPACE         26            SPACE         26            SPACE         28            SPACE         30            SPACE         30            SPACE         32            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         38            SPACE         40            SPACE         42				14							
18           20 A         VEHICLE MAINT/ WASHBAY LTG         20            SPACE         22            SPACE         24            SPACE         26            SPACE         28            SPACE         30            SPACE         30            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42	90 A	00 A AUTO UNDERCARRIAGE PUMP SKID									
20 A       VEHICLE MAINT/ WASHBAY LTG       20          SPACE       22          SPACE       24          SPACE       26          SPACE       28          SPACE       30          SPACE       30          SPACE       32          SPACE       34          SPACE       36          SPACE       38          SPACE       40          SPACE       42				18							
SPACE         22            SPACE         24            SPACE         26            SPACE         28            SPACE         30            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42	20 A	VEHIC	CLE MAINT/ WASHBAY LTG	20							
SPACE         24            SPACE         26            SPACE         28            SPACE         30            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42		SPAC	E	22							
SPACE         26            SPACE         28            SPACE         30            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42		SPAC	E	24							
SPACE         28            SPACE         30            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42		SPAC	E	26							
SPACE         30            SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42		SPAC	E	28							
SPACE         32            SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42		SPAC	E	30							
SPACE         34            SPACE         36            SPACE         38            SPACE         40            SPACE         42		SPAC	E	32							
SPACE         36            SPACE         38            SPACE         40            SPACE         42		SPAC	E	34							
SPACE         38            SPACE         40            SPACE         42		SPAC	E	36							
SPACE         40            SPACE         42		SPAC	E	38							
SPACE 42		SPAC	E	40							
		SPAC	E	42							

				F	PANELE	BOAF	rd dire	ECTO	DRY					
	M/E PROJECT: NEW PUBLIC	WORKS	FACILIT	Υ	PANEL N	4ME.		FP					TYPE: BRANCH	
	PROJECT NO.: 203050											MOUN		
FACILITY:					VO	LTAGE:	120/208 Wye	L-L	PHASE:	3	-	OCP	TYPE: MCB	
	LOCATION:	DCATION: AIC: 10 k WIRE: 4 BUS RATING: 100 A				TING: 100 A								
			, I		SOURCE:  LP1   MCB RATING:  40 A						ATING: 40 A			
	CIRCUIT DESCRIPTION	TRIP	POLE		А		B C POI		OLE	TRIP	CIRCUIT DESCRIPTION	CKT NO.		
HEATER	2	20 A	1	500.4	600	0			1	20 A	FUEL ISLAND LIGHTS	2		
GAS DISPENSER		20 A	1			1200	1656				1	25 A	GAS PUMP	4
DIESEL	PUMP	40 A	1					2400	240		1	20 A	TANK MONITORING SYSTEM	6
FUEL M	ANAGEMENT UNIT	15 A	1	600	1200						1	20 A	DIESEL DISPENSER	8
GAS AN	TI-SIPHON VALVE	20 A	1			240	240				1	20 A	DIESEL ANTI-SIPHON VALVE	10
SPARE		20 A	1					0	0		1	20 A	SPARE	12
3 SPARE 20		20 A	1	0	0						1	20 A	SPARE	14
SPARE 20 A 1				0	0				1	20 A	SPARE	16		
17 SPACE						0	0				SPACE	18		
SPACE				0	0								SPACE	20
	IEATEF GAS DIS DIESEL UEL M GAS AN SPARE SPARE SPARE SPACE SPACE	M/E PROJECT: NEW PUBLIC PROJECT NO.: 203050 FACILITY: LOCATION: CIRCUIT DESCRIPTION HEATER GAS DISPENSER DIESEL PUMP FUEL MANAGEMENT UNIT GAS ANTI-SIPHON VALVE SPARE SPARE SPARE SPACE SPACE	M/E PROJECT:NEW PUBLIC WORKS PROJECT NO.:PROJECT NO.:203050FACILITY:1LOCATION:1CIRCUIT DESCRIPTIONTRIPHEATER20 AGAS DISPENSER20 ADIESEL PUMP40 ACUEL MANAGEMENT UNIT15 AGAS ANTI-SIPHON VALVE20 ASPARE20 ASPACE	M/E PROJECT:NEW PUBLIC WORKS FACILITPROJECT NO.:203050FACILITY:	M/E PROJECT: NEW PUBLIC WORKS FACILITY PROJECT NO.: 203050 FACILITY: LOCATION: LOCATION:CIRCUIT DESCRIPTIONTRIP POLEPOLECIRCUIT DESCRIPTIONTRIP POLEPOLEHEATER20 A1504 SDISPENSER20 A1DIESEL PUMP40 A1CUEL MANAGEMENT UNIT15 A1SPARE20 A1SPARE20 A1SPARE20 A1SPARE20 A1SPARE20 A1SPARE20 A1SPARE20 A1SPACESPACE0	M/E PROJECT: NEW PUBLIC WORKS FACILITY PROJECT NO.: 203050PANEL NA PANEL NA PANEL NA VO LOCATION:FACILITY:VO LOCATION:VO LOCATION:VO SOCIRCUIT DESCRIPTIONTRIP POLEPOLEACIRCUIT DESCRIPTIONTRIP POLEPOLEAHEATER20 A1500.4600GAS DISPENSER20 A1500.4600DIESEL PUMP40 A140010CUEL MANAGEMENT UNIT15 A16001200GAS ANTI-SIPHON VALVE20 A14000SPARE20 A100SPARE20 A100SPARE20 A100SPARE20 A100SPARE20 A100SPARE20 A100SPARE20 A100SPARE20 A100SPARE20 A100SPARE20 A100SPARE00	PANELBOARM/E PROJECT:NEW PUBLIC WORKS FACILITYPANEL NAME:PROJECT NO.:203050PANEL NAME:FACILITY:VOLTAGE:LOCATION:VOLTAGE:LOCATION:VOLTAGE:CIRCUIT DESCRIPTIONTRIPPOLEAIEATER20 AGAS DISPENSER20 ADIESEL PUMP40 AVUL MANAGEMENT UNIT15 A15 A16001200SPARE20 A20 A1SPARE20 A20 A100SPACE0OFACE000	PANELBOARD DIRE         M/E PROJECT: NEW PUBLIC WORKS FACILITY PROJECT NO.: 203050       PANEL NAME:         FACILITY:       VOLTAGE: 120/208 Wye         LOCATION:       VOLTAGE: LP1         CIRCUIT DESCRIPTION       TRIP       POLE       A       B         HEATER       20 A       1       500.4       600       4         GAS DISPENSER       20 A       1       500.4       600       4         UEL MANAGEMENT UNIT       15 A       1       600       1200       400         GAS ANTI-SIPHON VALVE       20 A       1       0       0       400       0       0         SPARE       20 A       1       0       0       0       0       0       0         SPARE       20 A       1       0       0	PANELBOARD DIRECTO         M/E PROJECT NO.:       203050       PANEL NAME:       FP         FACILITY:       VOLTAGE:       120/208 Wye       L-L       I/L         LOCATION:       203050       AIC:       10       K       I/L         LOCATION:       203050       AIC:       10/L       K       I/L         LOCATION:       203050       AIC:       10/L       K       I/L         LOCATION:       VOLTAGE:       120/208 Wye       L-L       I/L       I/	PANELBOARD DIRECTORY         ME PROJECT:       NEW PUBLIC WORKS FACILITY       PANEL NAME:       FFP         PROJECT NO.:       203050       PANEL NAME:       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	PANELBOARD DIRECTORY         ME PROJECT: NEW PUBLIC WORKS FACILITY PROJECT NO.: 203050       PANEL NAME:       FP         FACILITY:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3         LOCATION:       203050       VOLTAGE:       120/208 Wye       L-L       PHASE:       3         LOCATION:       203050       VOLTAGE:       120/208 Wye       L-L       PHASE:       3         LOCATION:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3         LOCATION:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3         LOCATION:       VIE       VIE       A       NIE:       4       4         VIE       VIE       VIE       A       SOURCE:       VIE       PI         HEATER       20 A       1       500.4       600       1200       1656       1       1         SAS DISPENSER       20 A       1       100       1200       1656       1       1       1         VIEL MANAGEMENT UNIT       15A       1       600       1200       1       1       1       1       1       1       1       1       1       1       1       1	PANELBOARD DIRECTORY         ME PROJECT NO:       203050       PANEL NAME:       FP       FP         FACILITY:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3         LOCATION:       203050       -       AIC:       10       k       WIRE:       4       1         LOCATION:       203050       -       -       AIC:       10       k       WIRE:       3       -         LOCATION:       203050       -       10       -       -       -       - </td <td>PANELBOARD DIRECTORY         ME PROJECT:       NEW PUBLIC WORKS FACILITY       PANEL NAME:       FP       MOUN         PROJECT NO.:       203050       VOLTAGE:       120/208 Wye       L-L       PHASE:       3       OCP         ACILITY:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3       OCP         LOCATION:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3       OCP         KIRW       VIRE:       VIRE:       4       BUS RA       SOURCE:       POLE       NE         VIELMANAGEMENT UNIT       TRIP       POLE       A       1       1200       1666       1       1       20A         SPARE       20A       1       600       1200       I       1       20A         SPARE       20A       1       0       0       0       1       20A         SPARE<!--</td--><td>PANELBOARD DIRECTORY         ME PROJECT:       NEW PUBLIC WORKS FACILITY       PANEL NAME:       FP       TYPE:       BRANCH         PROJECT NO:       203050       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         FACILITY:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         LOCATION:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         VICATION:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         VICATION:       VICATION:</td></td>	PANELBOARD DIRECTORY         ME PROJECT:       NEW PUBLIC WORKS FACILITY       PANEL NAME:       FP       MOUN         PROJECT NO.:       203050       VOLTAGE:       120/208 Wye       L-L       PHASE:       3       OCP         ACILITY:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3       OCP         LOCATION:       VOLTAGE:       120/208 Wye       L-L       PHASE:       3       OCP         KIRW       VIRE:       VIRE:       4       BUS RA       SOURCE:       POLE       NE         VIELMANAGEMENT UNIT       TRIP       POLE       A       1       1200       1666       1       1       20A         SPARE       20A       1       600       1200       I       1       20A         SPARE       20A       1       0       0       0       1       20A         SPARE </td <td>PANELBOARD DIRECTORY         ME PROJECT:       NEW PUBLIC WORKS FACILITY       PANEL NAME:       FP       TYPE:       BRANCH         PROJECT NO:       203050       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         FACILITY:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         LOCATION:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         VICATION:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         VICATION:       VICATION:</td>	PANELBOARD DIRECTORY         ME PROJECT:       NEW PUBLIC WORKS FACILITY       PANEL NAME:       FP       TYPE:       BRANCH         PROJECT NO:       203050       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         FACILITY:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         LOCATION:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         VICATION:       VOLTAGE:       120/208 Wye       L4       PHASE:       3       OCP TYPE:       MCB         VICATION:       VICATION:

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TYPE	DESCRIPTION	MFR. & CATALOG No.	LAMP	VOLTAGE	MOUNTING	UNIT WATTS	REFERENCE NOTES
A1	2X4 RECESSED TROFFER WITH CURVED, RIBBED DIFFUSER	LITHONIA LIGHTING 2BLT2 SERIES	LED 3300 LUMENS 3500K	MVOLT	RECESSED	27W	1
A2	SAME AS A1 EXCEPT LUMENS AND WATTAGE	LITHONIA LIGHTING 2BLT2 SERIES	LED 5100 LUMENS 3500K	MVOLT	RECESSED	45W	1
В	6" RECESSED DOWNLIGHT WITH MEDIUM DISTRIBUTION, CLEAR REFLECTOR AND SEMI-SPECULAR FINISH	GOTHAM LIGHTING EVO SERIES	LED 2000 LUMENS 3500K	MVOLT	RECESSED	23W	1
C1	HIGHBAY FIXTURE WITH STANDARD EFFICIENCY, ACRYLIC FROSTED LENS, AND GENERAL DISTRIBUTION	LITHONIA LIGHTING IGB SERIES	LED 30000 LUMENS 3500K	MVOLT	SUSPENDED 25'-0" AFF	186W	
C2	SAME AS C1 EXCEPT LUMENS AND WATTAGE		LED 15000 LUMENS 3500K	MVOLT	SUSPENDED 25'-0" AFF	95W	
C3	4' HIGH PRESSURE HOSE DOWN FIXTURE WITH CLEAR LENS AND MEDIUM DISTRIBUTION	LITHONIA LIGHTING FHE SERIES	LED 28000 LUMENS 3500K	MVOLT	SUSPENDED 25'-0" AFF	173W	
D1	4' LED STRIP LIGHT	LITHONIA LIGHTING ZL1D SERIES	LED 5500 LUMENS 3500K	MVOLT	SUSPENDED 13'-0" AFF	41W	1
D2 8' LED STRIP LIGHT		LITHONIA LIGHTING ZL1D SERIES	LED 11000 LUMENS 3500K	MVOLT	SUSPENDED 13'-0" AFF	81W	1
E	2' LED STRIP	LITHIONIA LIGHTING WL2 SERIES	LED 800 LUMENS 3500K	MVOLT	WALL	8W	
F1	LED WALL PACK WITH T3M DISTRIBUTION AND PIRH LIGHT SENSOR	LITHONIA LIGHTING DSXW2 SERIES	LED 5500 LUMENS 4000K	MVOLT	WALL 14'-0" AFF	47W	
F2	LED WALL PACK WITH SR3 DISTRIBUTION, PIR LIGHT SENSOR, AND EMERGENCY BATTERY BACKUP	LITHONIA LIGHTING WSQ SERIES	LED 2000 LUMENS 4000K	MVOLT	WALL 8'-0" AFF	20W	1
G1	2' LINKABLE UNDER CABINET LIGHT	LITHONIA LIGHTING UCEL SERIES	LED 750 LUMENS 3000K	120V	SURFACE	10W	
G2	3' LINKABLE UNDER CABINET LIGHT	LITHONIA LIGHTING UCEL SERIES	LED 1200 LUMENS 3000K	120V	SURFACE	15W	
н	WALL MOUNT ARCHITECTURAL SIGN LIGHT, TYPE II LATERAL THROW, 12" STEM	COOPER LIGHTING EON 303 S1-LEDB1 SERIES	LED 568 LUMENS 4000K	MVOLT	SURFACE	8.5W	
I	WALL MOUNTD EXTERIOR FLOOD LIGHT	LITHONIA LIGHTING TFX1 SERIES	LED 7300 LUMENS 4000K	MVOLT	WALL	54W	
	LED HIGH BAY EMERGENCY LIGHT	SIGNTEX LIGHTING MHE SERIES	LED 6637 LUMENS 4700K	24VDC	SURFACE	40W	
$\overline{\otimes}$	EXIT SIGNS WITH WHITE HOUSING, STENCIL FACE, AND RED LETTERING	LITHONIA LQM SERIES	LED	MVOLT	CEILING		
<b>⊗</b> WP	EXIT SIGNS WITH WHITE HOUSING, STENCIL FACE, AND RED LETTERING, WET LOCATION RATED	LITHONIA WLTE SERIES	LED	MVOLT	WALL		

# **REFERENCE NOTES:**

1. PROVIDE INTEGRAL BATTERY BACKUP FO ALL FIXTURES TAG	GGEI
2. SEE DRAWING E203 DRAWING NOTE 2 FOR INFORMATION ON	

GED AS "EM" ON THE FLOOR PLANS CIRCUITING TO CENTRAL BATTERY SYSTEM.

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	(	Albany, NY 12205 508) 698-3034 (800) SAMPSON www.westonandsampson.com
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	•	56 Lafayette Avenue, Suite 350 White Plains, NY 10603 (914) 682-9423
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