

CPL

50 FRONT ST. SUITE 202 NEWBURGH, NY 12550

CPLteam.com

PROJECT INFORMATION

Project Number

13940.18 Client Name

NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

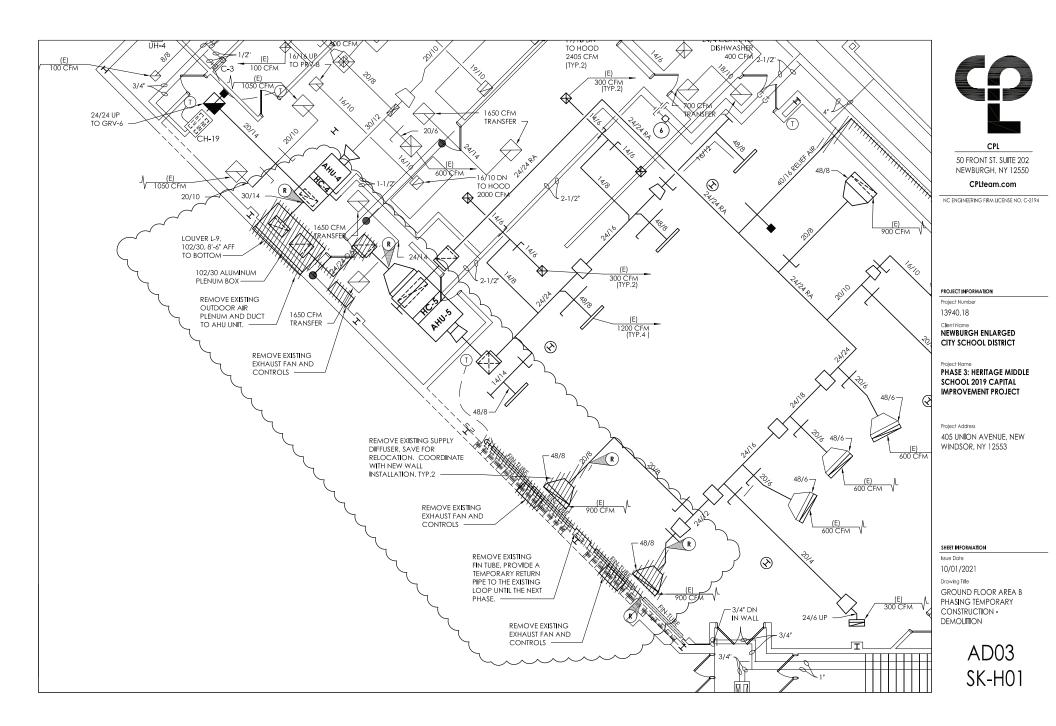
SHEET INFORMATION

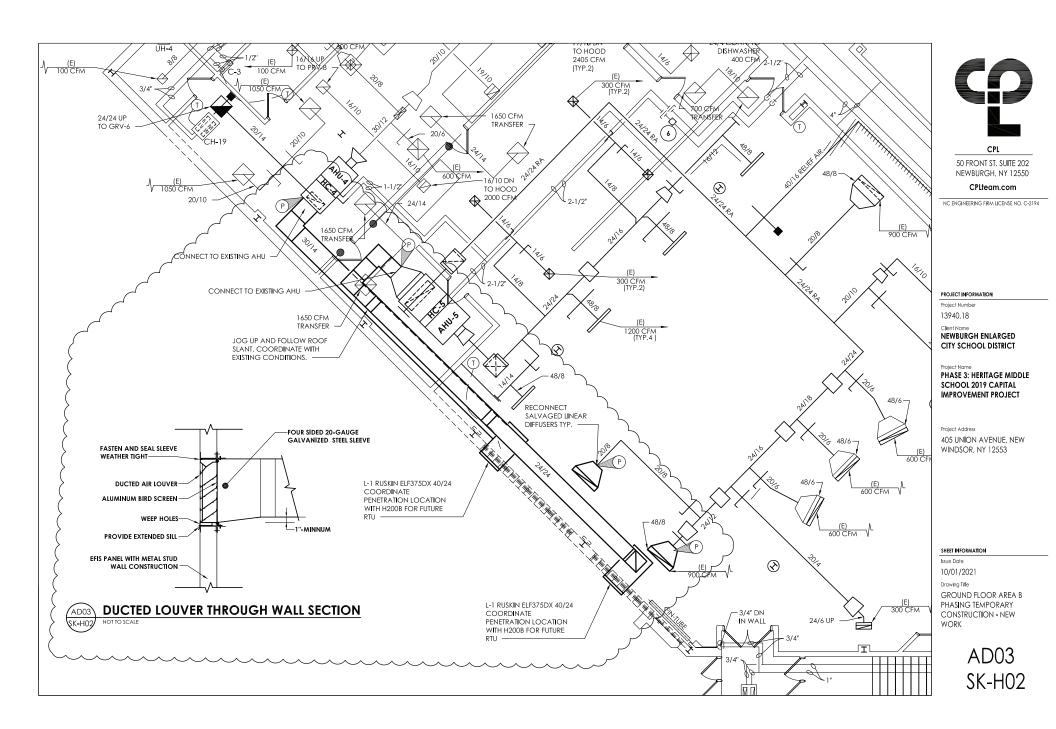
Issue Date 10/01/21

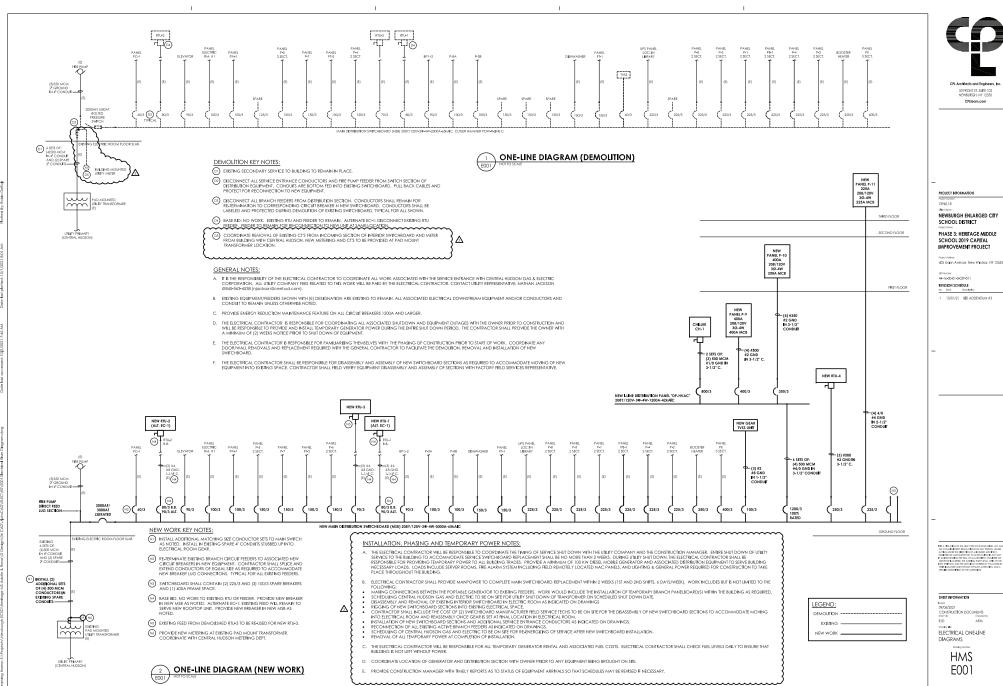
Drawing Title

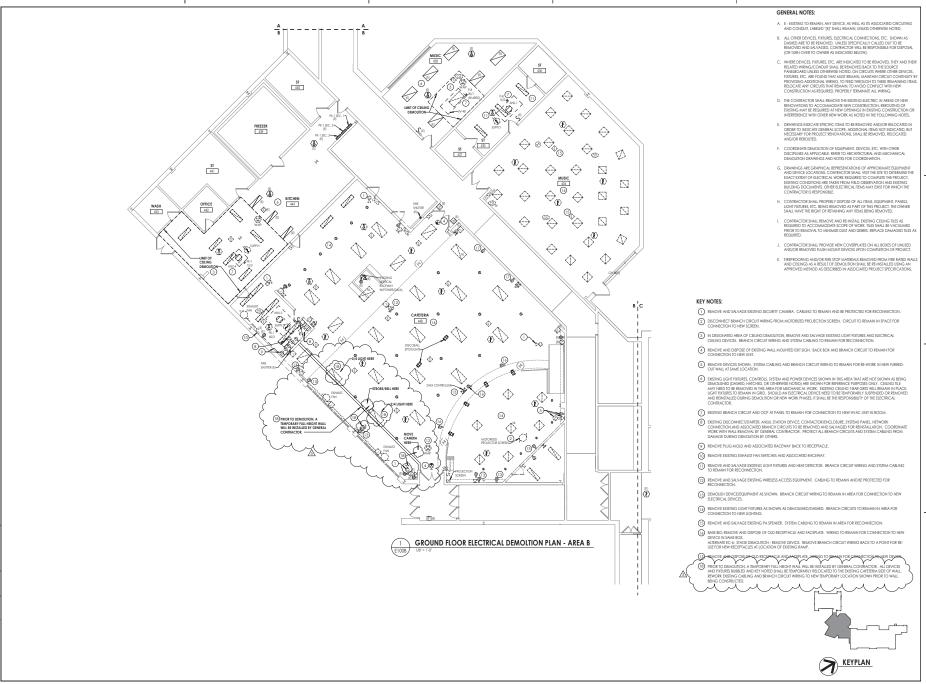
GROUND FLOOR AREA B-TEMPORARY CONSTRUCTION PLAN

> AD 03 SK-A03









AND THE COMMERCIANTS SECULATIONS FOR ANY PRESENT MALES ACTIVE SHARE THE CREENING OF ALCORRECT MACHINECT, INCOMERCE OF AND SERVICES, TO ALESS AND IN ANY MAY, FOR REMARKANESS THE SEAL OF AN ADMINIST SHALL AREA TO HE WILL SHARE THE SEAL OF AN ADMINIST SHALL AREA TO HE WILL SHARE SAY, AND THE MICHAEL SHALL AREA SHARE SHARE SHARE SHARE SHARE SHARE OF SECULATION OF THE SHARE SHARE SHARE SHARE SHARE OF SECULATION OF THE SHARE SHARE SHARE SHARE SHARE ALESSANDES.

CPtieam.com

PROJECT INFORMAT

SCHOOL DISTRICT

SCHOOL 2019 CAPITAL

PROJECT ISSUE SCHEDULE

No. Date Description
3 10/01/21 BID ADDENDUM #3

IMPROVEMENT PROJECT

405 Union Avenue New Windor NY 12553

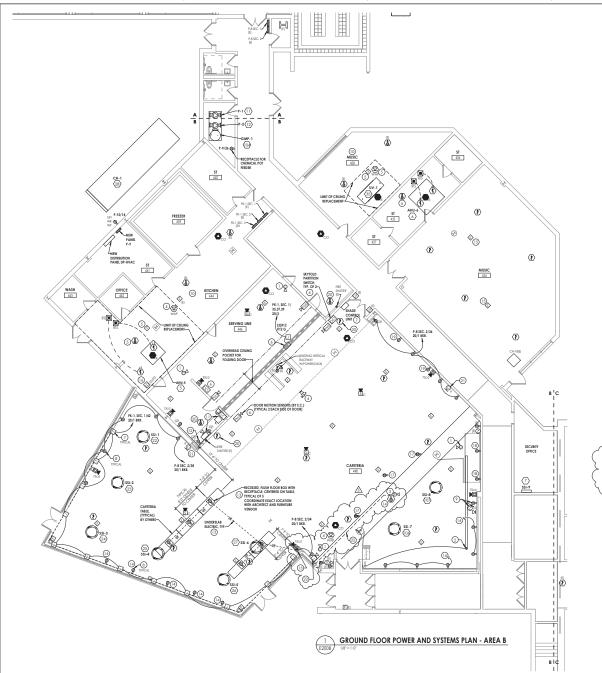
NEWBURGH ENLARGED CITY

SHEET INFORMATION

09/06/2021 As indicated by Project Status
CONSTRUCTION DOCUMENTS
Drawn By Checked By

GROUND FLOOR ELECTRICAL

HMS E100B



KEY NOTES:

- REINSTALL SALVAGED SECURITY CAMERA. RECONNECT CABLING LEFT FROM
- 2) SPLICE AND EXTEND EXISTING PROJECTION SCREEN BRANCH CIRCUIT WITH (2) #12, #12 GND IN 1/2" CONDUIT TO TERMINATION POINT OF NEW UNIT.
- (3) MOUNT NEW PROJECTION EQUIPMENT ON BOTTOM OF SOFFIT. PROVIDE RECESSED, FLUSH MOUNT RECEPTACLE, DATA, AND HDMI CABLING AS REQUIRED FOR DISTRICT EQUIPMENT.
- 4 REINSTALL SALVAGED WIRELESS ACCESS EQUIPMENT. RECONNECT CABLING LEFT FROM DEMOLITION.
- (5) REINSTALL SALVAGED CELLING MOUNTED SYSTEM DEVICE. RECONNECT SYSTEM CARLING LEFT FROM DEMOLITION.
- ELECTRICAL CONTROL BOX AT SKYFOLD PARTITION AND SWITCH CONTROL
 DEVICES TO BE PROVIDED BY GENERAL CONTRACTOR AND INSTALLED BY DEVICES TO SE PROVIDED SY GENERAL CONTRACTOR AND INSTALLED SY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO POWER AND INSTALLS SINCE CAME SACK SOURS FOR 13'S SMITCHES, AND CONTROL WIRRY INSTALLS SINCE CAME SACK SOURS FOR 13'S SMITCHES, AND CONTROL WIRRY INSTALLS SHOW THE CONTROL OF TH
- 2) ELECTRICAL CONTRACTOR TO PROMDE POWER AND CONTROL WRING FOR MOTORIZED WINDOW SHADES. IS CHANNEL DIGITAL WALL SWITCH WILL BE PROVIDED BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR TO INSTALL SWITCHES AND WIRE ALL LIMIS. LOCATIONS OF SHADE MOTIONS AND CONNECTIONS SHALL BE VERBED IN IN FIRED DIVING CONSTRUCTION.
- DUPLEX DEVICES ALONG WINDOW WALL TO BE CENTERED BETWEEN TOP OF FIN-TUBE RADIATION ENCLOSURE AND BOTTOM OF WINDOW FRAME. MOUNT DEVICES HORIZONTALLY.
- INSTALL NEW DEVICES IN FURRED-OUT WALL. RE-WORK ENSTING BRANCH CIRCUIT WIRING AND SYSTEM CARING TO REACH TERMINATION POINT OF DEVICES IN NEW WALL. SPLICE AND EXTEND EXISTING BRANCH CIRCUIT IF REQUIRED FOR CONNECTION.
- (I) DUSTING CEILING MOUNTED SYSTEM AND POWER DEVICES SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. SHOULD CEILING TILE BE AREA ARE SHOWN FOR RETEXENCE PURPOSES ONET: SHOULD CALLING HILE B REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL THE EQUIPMENT.
- REINSTALL SALVAGED DEVICES REMOVED FOR WALL DEMOLITION.
 RECONNECT ALL BRANCH CIRCUITS AND SYSTEM WIRING CONNEC
- (12) WIRE NEW COUNTER HEIGHT RECEPTACLES TO EXISTING ROOM BRANCH CIRCUIT FROM DEMOUSHED PLUGMOUD.
- (3) CONDUIT TO BE INSTALLED UNDERSLAB AND UP INTO WALL. PROVIDE FLUSH FLOOR BOXES WITH COVERS AS SPECIFIED.
- (14) CONNECT NEW DEVICE CIRCUIT TO EXISTING BRANCH CIRCUIT LEFT FROM DEMOLITION, SPUCE AND EXTEND EXISTING CIRCUIT WITH (2) #12, #12 GND IN 1/2" CONDUIT.
- (15) REINSTALL SALVAGED PA SPEAKER. RECONNECT SPEAKER CABLING LEFT FROM DEMOLITION.
- (6) PROVIDE DUCT SMOKE DETECTOR AND FIRE ALARM RELAY TO SIGNAL MECHANICAL SMOKE DAMPER. PROVIDE 120V BRANCH CIRCUIT TO DAMPER ACTUATOR PROM NEAREST 120V RECEPTACLE CIRCUIT. WIRE WITH (2) #12, #12 GND. IN 1/2" CONDUIT.
- (17) BASE BID: INSTALL NEW RECEPTACLE AND FACEPLATE IN FRONT OF STAGE WALL. RECONNECT WIRING LEFT FROM DEVICE REMOVAL.
- (B) ALTERNATE EC-6: FOLLOWING REMOVAL OF STAGE FLOOR AND RAMP, INSTALL NEW RECEPTACLE. CONNECT NEW DEVICES TO EXISTING BRANCH CIRCUIT LEFT IN THE AREA FROM DEMOLITION OF DEVICES FROM FROM OF STAGE WALL SPLICE AND EXTEND DISSING CIRCUIT WITH [2] #12; #12 GAID IN 3/4 CONDUIT.
- (9) INSTALL NEW RECEPTACLE AND FACEPLATE IN EXISTING BACKBOX. RECONNECT WIRING LEFT FROM DEMOLITION
- (20) PROGRAM FIRE ALARM PANEL TO RELEASE FIRE SHUTTER UPON ACTIVATION OF DEVICE. PROVIDE FIRE ALARM RELAY AND CONNECTIONS AT SHUTTER IF NOT
- (21) ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A SINGLE SIDED DIGITAL CLOCK. COORDINATE WITH DISTRICT FOR MANUFACTURER AND
- NEW DATA DROP AT PROJECTOR, BOTH WIRED BACK TO NEAREST DATA RACK.
 ALL CABLING SHALL BE ROUTED IN WALL OR ABOVE CEILING. PROJECTOR WILL
 BE PROVIDED BY DISTRICT. E.C. IS RESPONSIBLE FOR DATA, POWER, AND HDMI

GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "(E)" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- B. EQUIPMENT DESIGNATED WITH A NUMBER INSIDE OF A HEXAGON ARE SCHEDULED ON DRAWING EYOD. REFER TO EQUIPMENT WIRING SCHEDULE FOR BREAKER AND CIRCUITING INFORMATION.
- C. DISCONNECT SWITCHES AND STARTER DEVICES ASSOCIATED WITH HVAC DISCUSSECT SYMICHES AND STARKED EVENTS ASSOCIATED WITH HAZE EQUITMENT SHALE EFFIRMSHED AND INSTALLED SY THE MECHANICAL CONTRACTOR. AND WREED SY THE ELECTRICAL CONTRACTOR. INCLUDE AN ADDITIONAL TO OF CRICLUMING IN PROCNES OF AN INSTALLED SWHEEL AS DISCONNECT MAY NOT EMOUNTED DISCONNECT. SYMPONSIBLE TO WRITE SOTH LINE AND LOAD SIDES OF DISCONNECT.
- FRE ALARM SCOPE OF THIS PROJECT INCLUDES INSTALLING A NEW SIMFLEX 4100S FAREL TO SERVE NEW AND RENOVATED AREAS WHILE MAINTAINING SENSING SAMPLE AND RENOVATED AREAS WHILE MAINTAINING SENSING SAMPLE AND RENOVED FROM THE STISTEM PROGRAMMING OF THE PROJECT SHALL BE REMOVED FROM THE STISTEM PROGRAMMING OF THE 4007 PAREA. LEVEN WHITHINGTON AND ORDIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW AUGUST AND AND REMOVED AND RESPONDED THE STISTEM SHOWS SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW AUGUST AND AND RESPONDED THE STISTEM SHOWS SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW AUGUST AND AND LICENSE TO LICENSE THE STISTEM SHOWS SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW AUGUST AND AND ADMINISTRATION OF THE STIPMENT OF SIMPLEX ALORES RIFE ALARM CONTROL PANIEL LOCATED IN CUSTODIAN ROOM S PROVIDE NEW NOTHICATION APPLIANCE CIRCUIT PANIES, WITH SMOKE DETECTOR WITHIN 5] WITH BATTERIES WHERE REQUIRED TO ACCOMMODATE NEW NOTHICATION DEVICES. LOCATE SAID NAC PANIEL IN A STORAGE OR ELEC/MECI ROOM, AND WIKE TO NEAREST AVAILABLE PANIELDOARD WITH (2)#12, #12 CND. IN 3/4" CONDUIT. FOR PRICING PURPOSES, ASSUME 150" PER CIRCUIT. PROVIDE 20/1 CIRCUIT BREAKER AS REQUIRED.
- F. FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING
- G. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4-0" ABOVE FINISHED FLOOR.
- H. FOR PUBLIC MODE, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- THE MINIMUM REQUIRED CANDELA LEVEL IS INDICATED ADJACENT TO NEW VISUAL DEVICES. IF NOT INDICATED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- J. ACTIVATION OF BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUT DOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRE LOCAL, STATE, AND NATIONAL CODES, PROVIDE FIRE ALARM SHUT DOWN REL IN EACH UNIT.
- K. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NIPA 72 REQUIREMENTS, ANY ALTERED CIRCUIT(S) SHALL HAVE ALL FIRE ALARM INITIA DEWICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEWICES.
- PROVIDE 9" ROUND, FLUSH MOUNTED, WHITE CEILING SPEAKERS WHERE SHOWN, NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WHITE MOSTING SHILDING PRINCE, ADDRESS SYSTEM, EVRAD EXISTING SYSTEM WITH ADDITIONAL AMPLIFIES AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPPRAIDHOUS STSTEM, CONDISIONED FACTS (FOR THE CONTINUED OF THE
- M. ALL CARLING AROVE ACCESSIBLE CELLINGS SHALL BE SUPPORTED VIA 1-HOOK. I
- ALL EXPOSED RACEWAY SHALL BE PAINTED TO MATCH CEILING/WALL FINISH. CONTRACTOR SHALL USE APPROVED PAINT COLOR/TYPE.
- NEW CARBON MONOXIDE DETECTORS SHALL BE ADDRESSABLE AND BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.

KEYPLAN



CPL | Architecture Engineering Plannin 50 FRONT ST. SUITE 202 CPLteam.com

PROJECT INFORMATION

NEWBURGH ENLARGED CITY SCHOOL DISTRICT

PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

405 Union Avenue New Windor NY 12553

PROJECT ISSUE SCHEDULE

10/01/21 BID ADDENDUM #3

09/04/2021 CONSTRUCTION DOCUMENTS

GROUND FLOOR POWER AND SYSTEMS PLAN - AREA B

HMS

E200B

| | | | | FOI | IIPAAEN | IT WIDI | NG SCHEDULE | | | | |
|-------------------|--|---|----------------|-----|------------------|------------------|--|----------------------|--------------------------|----------------------------|--------------------------|
| ITEM # | MARK | Room Location | VOLTS | PH | III MEI | FLA | WIRING/CONDUIT | BREAKER | PANEL | CIRCUIT | REMARKS |
| IIEM# | AHU-1 | STORAGE 604 | 208 V | 3 | пг | A 0.8 | (3)#12, #12G IN 3/4°C | 15/3 | P-10 | 2,4,6 | REMIARKS |
| 2 | AHU-2 AHU-3 | STORAGE 606 STORAGE 600A | 208 V 208 V | 3 | | 8.0 A A 0.8 | (3)#12, #12G IN 3/4°C (3)#10, #10G IN 3/4°C | 15/3 15/3 | P-10 P-9 | 8,10,12 8,10,12 | 1 |
| 4 | AHU-4 | STORAGE 600B | 208 V | 3 | | A 0.8 | (3)#12, #12G IN 3/4°C | 15/3 | P-9 | 14,16,18 | 1 |
| 5 | AHU-5 AHU-6 | KITCHEN STORAGE 435 | 208 V 208 V | 3 | | A 0.8 A 0.8 | (3)#12, #12G IN 3/4°C (3)#12, #12G IN 3/4°C | 15/3 | PK-1 | 2,4,6 8,10,12 | 1, 5 |
| 7 | SSI-9 RTU-1 | SECURITY OFFICE | 208 V | 3 | | 0.3 A | (2)#12, #12G IN 3/4°C | 20/2 | P-9 | 28,30 | 1, 7, 19 |
| 9 | RTU-2 | ROOF ROOF | 208 V 208 V | 3 | | 54.0 A 54.0 A | (3)#4, #8G IN 1-1/4°C (3)#4, #8G IN 1-1/4°C | 90/3 90/3 | MSB MSB | | 1, 2, 5, 9 |
| 10 | RTU-3 PLIMP P1 | ROOF PLIMP ROOM 423 | 208 V | 3 | 15 HP | 54.0 A 48.3 A | (3)#4, #8G IN 1-1/4°C (3)#4, #8G IN 1-1/4°C | 90/3 | MSB P.9 | 135 | 1, 5, 9 |
| 12 | PUMP P-2 | PUMP ROOM 423 | 208 V | 3 | 15 HP | 48.3 A | (3)#4, #8G IN 1-1/4°C | 90/3 | P-9 | 7,9,11 | 1 |
| 13 14 | FC-I ACC-I | CUSTODIAN ROOM 159 EXTERIOR AT GRADE | 120 V 208 V | 3 | | 1.0 A 57.0 A | (2)#12, #12G IN 3/4°C (3)#4, #8G IN 1-1/4°C | 20/1 80/3 | P3, SEC. 1 P-10 | 11 | 1, 5, 18 |
| 15 | ACC-2 | EXTERIOR AT GRADE | | 3 | | 57.0 A | (3)#4, #8G IN 1-1/4°C | 80/3 | P-10 | 7,9,11 | - ! |
| 16 17 | ACC-3 ACC-4 | EXTERIOR AT GRADE | 208 V 208 V | 3 | | 57.0 A 57.0 A | (3)#4, #8G IN 1-1/4°C (3)#4, #8G IN 1-1/4°C | 80/3 80/3 | P-10 P-10 | 13,15,17 19,21,23 | |
| 18 19 | ACC-5 ACC-6 | KITCHEN ROOF KITCHEN ROOF | 208 V 208 V | 3 | _ | 38.0 A 63.0 A | (3)#8, #10G IN 1°C (3)#4, #8G IN 1-1/4°C | 50/3 90/3 | P-9 P-9 | 19,21,23 25,27,29 | 1 |
| 20 | ACC-7 | KITCHEN ROOF | 208 V | 3 | | 70.0 A | (3)#4, #8G IN 1-1/4°C | 90/3 | P-9 | 31,33,35 | - i |
| 21 | EF-2 SSI-1 | STORAGE 600B CAFETERIA 448 | 120 V 208 V | 1 | 1/4 HP | 3.8 A 0.3 A | (3)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 15/2 | P-9 P-9 | 13 2,4 | 1,7 |
| 23 24 | SSI-2 SSI-3 | CAFETERIA 448 CAFETERIA 448 | 208 V 208 V | 1 | | 0.3 A 0.3 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 15/2 15/2 | P-9 P-9 | 2,4 2,4 | 1,7 |
| 25 | 5SI-4 | CAFETERIA 448 | 208 V | 1 | | 0.3 A | (2)#12, #12G IN 3/4°C | 15/2 | P-9 | 2,4 | 1,7 |
| 26 27 | SSI-5 SSI-6 | CAFETERIA 448 CAFETERIA 448 | 208 V | 1 | | 0.3 A 0.3 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 15/2 15/2 | P.9 | 2,4 | 1,7 |
| 28 | CH-1 | EXTERIOR GRADE | 208 V | 3 | | 560.0 A | 2 SETS OF (3)#500, #1/0G IN 3-1/2°C | 800/3 | DP-HVAC | | 1, 17 |
| 29 30 | EF-1 EF-3 | STORAGE 600A ROOF | 120 V 208 V | 1 | 1/4 HP 1/2 HP | 3.8 A 5.4 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 20/2 | P-8 P-11 | 16,18 | 1,5 |
| 31 | EF-4 FF-5 | ROOF | 208 V | - 1 | 1/2 HP | 5.4 A 4.9 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/2 | P3, SEC. 2 | 38,40 16,18 | 1,8 |
| 33 | EF-6 | ROOF | 208 V | | 1/2 HP | 12.0 A | (2)#12, #12G IN 3/4°C | 20/2 | P-11 | 20,22 | 1 |
| 34 35 | FC-2 UV-1 | GROUND FLOOR CORRIDOR MUSIC 438 | 120 V | 1 | | 1.0 A 4.7 A | (2)#12, #12G IN 3/4°C | 20/1 | P-1A P-8 | 14 | 1, 2, 15, 18 |
| 36 | UV-2 | ROOM 105 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 20/1 | P1. SEC. 1 | 32 | 1, 5, 18 1, 10, 18 |
| 37 38 | UV-3 UV-4 | ROOM 105A CORRIDOR - GROUND | 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 20/1 | P1, SEC. 1 P1, SEC. 1 | 32 32 | 1, 10, 18 1, 10, 18 |
| 39 | UV-5 | ROOM 104 | 120 V | 1 | | 4.7 A | (2)#12, #12G IN 3/4°C | 20/1 | P1, SEC. 1 | 33 | 1, 2, 5, 18 |
| 40 | UV-6 UV-7 | ROOM 101 ROOM 114 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P1, SEC. 1 P-2 | 35 | 1, 2, 5, 18 |
| 42 43 | UV-8 UV-9 | ROOM 113A ROOM 113B | 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P2, SEC. 2 P2, SEC. 2 | 35 35 | 1, 10, 18 1, 10, 18 |
| 44 | UV-10 | ROOM 112 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C | 20/1 | P2, SEC. 2 | 35 | 1, 10, 18 |
| 45 46 | UV-11 UV-12 | ROOM 109 ROOM 110 | 120 V | 1 | _ | 4.0 A 4.7 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P2, SEC. 2 P2, SEC. 2 | 33 | 1,10, 18 1,10, 18 |
| 47 | UV-13 | ROOM 111 | 120 V | 1 | | 4.7 A | (2)#12, #12G IN 3/4°C | 20/1 | P2, SEC. 2 | 33 | 1, 10, 18 |
| 48 49 | UV-14 UV-15 | ROOM 206 ROOM 204 | 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P3, SEC. 1 P3, SEC. 1 | 35 35 | 1, 10, 18 1, 10, 18 |
| 49 50 | UV-16 | ROOM 203 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P3, SEC. 1 | 35 35 | 1, 10, 18 |
| 51 53 | UV-17 UV-19 | ROOM 202 ROOM 209 | 120 V | - | | 4.7 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P3, SEC. 1 P4, SEC. 2 | 20 40 | 1, 10, 18 1, 8, 18 |
| 54 55 | UV-20 UV-21 | ROOM 215 ROOM 214 | 120 V | 1 | _ | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P4, SEC. 2 P4, SEC. 2 | 9 | 1, 10, 18 |
| 56 | UV-22 | ROOM 216 | 120 V | -1 | | 4.0 A | (2)#12, #12G IN 3/4°C | 20/1 | P4, SEC. 2 | 9 | 1, 10, 18 |
| 57 58 | UV-23 UV-24 | ROOM 212 ROOM 213 | 120 V | 1 | | 4.0 A 4.7 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 20/1 | P4, SEC. 2 P4, SEC. 1 | 40 19 | 1, 8, 18 |
| 59 60 | UV-25 UV-26 | ROOM 210 ROOM 306 | 120 V 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 20/1 | P4, SEC. 2 P5. SEC. 1 | 40 17 | 1, 8, 18 1,10, 18 |
| 61 | UV-27 | ROOM 305 | 120 V | - | | 3.7 A | (2)#12, #12G IN 3/4°C | 20/1 | P5, SEC. 1 | 17 | 1,10, 18 |
| 62 63 | UV-28 UV-29 | ROOM 304 ROOM 309 | 120 V | 1 | | 4.7 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P5, SEC. 1 P5, SEC. 1 | 33 20 | 1,8,18 |
| 64 | UV-30 | ROOM 310 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 20/1 20/1 | P5, SEC. 1 P5, SEC. 1 | 20 | 1, 10, 18 |
| 65 66 | UV-31 UV-32 | ROOM 303 ROOM 302 | 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P5, SEC. 1 P5, SEC. 1 | 22 22 | 1,10, 18 1, 10, 18 |
| 67 68 | UV-33 UV-34 | ROOM 311 ROOM 312 | 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P6, SEC. 2 P6, SEC. 2 | 18 18 | 1, 10, 18 1,10, 18 |
| 69 | UV-35 | ROOM 301 | 120 V 120 V | 1 | | 4.0 A 3.7 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P5. SEC. 1 | 22 29 | 1, 10, 18 |
| 70 71 | UV-36 UV-37 | ROOM 321 ROOM 320 | 120 V | 1 | | 3.7 A | (2)#12, #12G IN 3/4°C | 20/1 | P6, SEC. 1 P6, SEC. 2 | 29 18 | 1, 11, 18 |
| 72 | UV-38 | ROOM 318 | 120 V 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 20/1 | P6, SEC. 1 | 18 27 | 1,10, 18 1, 10, 18 |
| 73 74 | UV-39 UV-40 | ROOM 317 ROOM 316 | 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P6, SEC. 1 P6, SEC. 1 | 27 27 | 1, 10, 18 1, 10, 18 |
| 75 76 | UV-41 UV-42 | ROOM 313 ROOM 314 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P-11 P-11 | 14 | 1, 18 |
| 77 | UV-43 | ROOM 315 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C | 20/1 | P-11 | 14 | 1, 18 |
| 78 79 | UV-44 UV-45 | ROOM 307 ROOM 402 | 120 V | 1 | | 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P5, SEC. 1 P7 | 20 29 | 1, 10, 18 |
| 80 | UV-46 | ROOM 404 | 120 V | 1 | | 4.7 A | (2)#12, #12G IN 3/4°C | 20/1 | P7 | 18 | 1, 10, 18 |
| 81 82 | UV-47 UV-48 | ROOM 405 ROOM 401 | 120 V | 1 | | 4.0 A 4.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P7 P7 | 18 29 | 1, 10, 18 1, 10, 18 |
| 83 84 | FC-5 SF-1 | FIRST FLOOR CORRIDOR ATTIC | 120 V | 1 3 | K LID | 1.0 A 16.7 A | (2)#12, #12G IN 3/4°C (3)#8, #10G IN1°C | 20/1 35/3 20/3 | P4, SEC. 1 P-11 | 20 31,33,35 25.27,29 | 1, 2, 16, 18 |
| 84 85 | SF-2 | ATTIC | 208 V 208 V | | 1/2 HP | 2.4 A 16.7 A | (31#12. #12G IN 3/4°C | 20/3 | P-11 | 25.27,29 | - 1 |
| 86 89 | SF-3 SF-6 | ATTIC ATTIC | 208 V 208 V | 3 | 5 HP 2 HP | 16.7 A 7.5 A | (3)#8, #10G IN 1°C (3)#12, #12G IN 3/4°C | 35/3 20/3 | P-11 P-11 | 2,4,6 7,9,11 | |
| 90 | SF-7 | ATTIC | 208 V | 3 | 3 HP | 10.6 A | (3)#12, #12G IN 3/4°C | 20/3 | P-11 | 13,15,17 | 1 |
| 91 92 | SF-8 RF-1 | ATTIC ATTIC | 208 V | 3 | 5 HP 7-1/2 HP | 16.7 A 24.2 A | (3)#8, #10G IN 1°C (3)#8, #10G IN 1°C | 35/3 50/3 | P-11 P-11 | 1,3,5 | 1 |
| 92 93 94 | RF-2 RF-3 | ATTIC | 208 V 208 V | 3 | 1-1/2 HP | 6.6 A | (3)#12, #12G IN 3/4°C | 50/3 20/3 20/3 | P-11 | 25,27,29 | - ! |
| 95 | RF-4 | ATTIC | 208 V | 3 | 1/3 HP | 2.4 A | (3)#12, #12G IN 3/4°C (3)#12, #12G IN 3/4°C | 20/3 | P-11 | 8,10,12 | |
| 96 97 | RF-5 RF-6 | ATTIC ATTIC | 208 V 208 V | 3 | 1/4 HP 2 HP | 2.4 A 7.5 A | (3)#12, #12G IN 3/4°C (3)#12, #12G IN 3/4°C | 20/3 20/3 | P-11 P-11 | 8,10,12 19,21,23 | |
| 98 | RF-7 | ATTIC | 208 V | 3 | 1-1/2 HP | 6.6 A | (3)#12, #12G IN 3/4°C | 20/3 | P-11 | 28,30,32 | - i |
| 99 100 | RF-8 DC-1 FAN MOTOR | ATTIC EXTERIOR AT GRADE | 208 V 208 V | 3 | 3 HP 7.5 HP | 10.6 A 25.3 A | (3)#12, #12G IN 3/4°C (3)#8, #10G IN 1°C | 20/3 20/3 50/3 | P-11 PT-2 | 34,36,38 3,5,7 | 1, 2, 4, 8, 14 |
| 101 | DC-1 SHAKER MOTOR | EXTERIOR AT GRADE | 208 V | 3 | 1/3 HP | 2.5 A | (3)#12, #12G IN 3/4°C | 20/3 | PT-2 | 32,34,36 | 1, 2, 4, 8 |
| 102 103 | EJECTOR PUMP EP-1 EJECTOR PUMP EP-2 | BOILER ROOM BOILER ROOM | 120 V | 1 | 1/3 HP 1/3 HP | 7.2 A 7.2 A | (2)#12, #12G IN 3/4°C | 20/1 | P1, SEC. 1 | 41 | 3, 8,12 |
| 104 | GMP-1 | PLIMP ROOM | 120 V | | 1/3 HP | 7.2 A | (2)#12, #12G IN 3/4°C | 20/1 | P-9 MSB | 6 | 1 |
| 105 106 | RTU-4 SSI-7 | CAFETERIA ROOF CAFETERIA 448 | 208 V 208 V | 1 | | 195.0 A 0.3 A | (3)#500, #2G IN 3-1/2°C (2)#12, #12G IN 3/4°C | 250/3 15/2 | P-9 | 2,4 | 1,7 |
| 106 107 108 | 8-122 | CAFETERIA 448 | 208 V 208 V | 1 | 1/2 HP | 0.3 A 0.3 A | (2)#12, #12G IN 3/4°C | 15/2 15/2 20/2 | P-9 | 2,4 38,40 | 1,7 |
| 109 | SF-9 FC-6 | TECH ROOM 113B SECOND FLOOR CORRIDOR | 208 V 120 V | i | 1/2 MF | 5.4 A 1.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | PT-2 P5, SEC. 1 | 31 | 1, 2, 8 |
| 110 | FC-7 FC-8 | SECOND FLOOR CORRIDOR FIRST FLOOR CORRIDOR | 120 V | 1 | | 1.0 A 1.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P6, SEC. 1 P-3A | 25 22 | 1, 2, 16 1, 2, 15, 18 |
| 112 | FC-9 | THIRD FLOOR CORRIDOR | 120 V | 1 | | 1.0 A | (21#12. #12G IN 3/4°C | 20/1 | P7 | 18 | 1, 2, 5, 18 |
| 113 114 | FC-10 FC-11 | GROUND FLOOR CONF. ROOM THIRD FLOOR CORRIDOR | 120 V | 1 | | 1.0 A | (2)#12, #12G IN 3/4°C (2)#12, #12G IN 3/4°C | 20/1 | P-1A P7 | 14 30 | 1, 15, 18 1, 2, 5, 18 |
| 115 | FC-3 | GROUND FLOOR CORRIDOR | 120 V | 1 | | 1.0 A | (2)#12, #12G IN 3/4°C | 20/1 | P2, SEC. 1 | 42 | 1, 2, 8, 18 |

GENERAL NOTES:

- A. UNLESS NOTED OTHERWISE, PROVIDE NEW CIRCUIT BREAKER IN PANELBOARD FOR EQUIPMENT AS SCHEDULED, BREAKER SHALL BE U.L. USTED AND LABELED FOR USE IN PANELBOARD, INTERRUPTING RATING OF BREAKER SHALL MATCH PANELBOARD.
- B. REVISE PANELBOARD DIRECTORY WITH NEW CIRCUIT LOADS ADDED, REFER TO IDENTIFICATION SPECIFICATION SECTION.

REMARKS:

- 1. ELECTRICAL CONTRACTOR IS REPONSIBLE FOR THE MOUNTING, AND LINE/LOAD SIDE CONNECTIONS OF DISCONNECT AND/OR STARTER DEVICE ASSOCIATED
 WITH UNIT, MEANS OF DISCONNECT AND/OR STARTER DEVICE ASSOCIATED WITH UNIT PROVIDED BY MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR
 IS REPONDING FOR ALL FINAL CONNECTIONS TO SEQUIPMENT.
- EQUIPMENT AND ASSOCIATED BREAKER AND BRANCH CIRCUIT WIRING ARE PART OF AN ALTERNATE. REFER TO AREA POWER AND SYSTEMS PLANS AND MECHANICAL NEW WORK PLANS.
- 3. PROVIDE 20A GFI RECEPTACLE FOR EQUIPMENT CORD CONNECTED PUMP AS SHOWN ON POWER AND SYSTEMS PLAN.
- 4. PROVIDE EXTERIOR SAFETY DISCONNECT AS SHOWN ON POWER PLAN.
- 5. WIRE TO EXISTING BRANCH CIRCUIT LEFT FROM DEMOLITION OF HVAC UNIT IN SAME LOCATION. SPLICE AND EXTEND EXISTING CIRCUIT WITH WIRING NOTED.

HOUIDE NEW BREAKER IN SPACE LEFT ERIGNI DEMOUTHON OF HUAG-OCP. PANELPK-1 IS A 450A CUTLED HAMMER PIRK-PANEL.

- 9. EXISTING FEEDER WILL BE REUSED FOR NEW EQUIPMENT. BREAKER WILL BE REPLACED AS PART OF THE MSB REPLACEMENT.
- 10. WIRE TO SPARE 20/1 BREAKER IN PANEL LEFT FROM DEMOLITION OF UV'S.
- 11. WHE TO EXISTING BRANCH CIRCUIT LEFT IN ROOM FROM DEMOUTION OF UV. NOTE THAT OTHER EXISTING TO REMAIN CEILING HEATERS WILL CONTINUE TO SHARE THIS CIRCUIT.
- 12 PROVIDE NEW GELRECEPTACLE AND BRANCH CIRCUIT AS NOTED FOR NEW EP-1
- 13. REMOVE EXISTING DUPLEX RECEPTACLE. INSTALL NEW GFI RECEPTACLE AND CONNECT TO EXISTING BRANCH CIRCUIT WIRING.
- 14. INSTALL NEW DUST COLLECTOR FAN MOTOR BREAKER IN SPACE LEFT FROM DEMOLITION OF OLD DUST COLLECTOR.
- 15. BREAKER NOTED IS AN EXISTING SPARE, UNUSED 20A/1P BREAKER IN PANEL.
- 14. EVISTING 20/1 RPEAYER IN PANEL WITH SHAPEN CORRIDOR HVAC LINITS
- 17. PROVIDE 20A, 120V CRICUIT FOR HAT TRACE ON EXTERIOR PRINCI AND EVAPORATOR, WHE TO PANEL P.P. CIRCUIT 17. MECHANICAL CONTRACTOR TO PROVIDE AND CO AUTITORIE HAIT SCORESHATT PROMODESTRAV SINCHEPHAS POLIFFE TO INCOME UNIVERSAVIA II DALMOS UNIVERSAVIATO CALIFFE EL PRESENTA COME

| LUMINAIRE SCHEDULE | | | | | | | | | | |
|--------------------|--|-----------------------------|--|--------|----------|--|--|--|--|--|
| TYPE | DESCRIPTION | MANUFACTURER | MODEL | LOAD | СОММЕ | | | | | |
| | | | | | | | | | | |
| E1 | UNIVERSAL MOUNT DIE-CAST ALUMINUM EXIT SIGN WITH WHITE FINISH, RED LETTERS, EMERGENCY BATTERY UNIT, AND SELF-DIAGNOSTICS | DUAL-LITE | SE-S-R-W-E-I | 3 VA | 7 | | | | | |
| L1 | RECESSED 2X4 EDGE-LIT FLAT PANEL WITH 0-10V DIMMING, FROSTED LENS, AND SWITCHABLE LUMEN OUTPUT | COLUMBIA LIGHTING | CFP24-55/41/3440 | 40 VA | 1, 3 | | | | | |
| L2 | 4' LONG, EXTERIOR WALL MOUNTED FIXTURE WITH 12' FIXED ARM MOUNTING, 2,000 LUMBN OUTPUT, ALLUMINUM FINISH, INTEGRAL OCCUPANCY SENSOR WITH DAYLIGHT DIMMING CONTROL, AND BATTERY BACK UP EMERGENCY UNIT | ARCHITECTURAL AREA LIGHTING | RND-4-5-4K8-AS-DL-UNV-PSS-F12-NXOSW-EM | 25 VA | 9 | | | | | |
| L3 | RECESSED 2X2 EDGE-LIT FLAT PANEL WITH 4072 LUMEN OUTPUT, 0-10V DIMMING, AND FROSTED LENS | COLUMBIA LIGHTING | CFP22-4040 (PLD10M-PLRTS) | 40 VA | 1, 2 | | | | | |
| L4-4" | 4' LINEAR PENDANT WITH 3-9/16' DIAMETER ALUMINUM HOUSING, CABLE MOUNTING, SATINE LENS, 0-10V DIMMING, AND 1126 LUMENS PER FOOT | | PL9LR-1C45-940-SD-C-04'-WH-U-DIM (EMR) | 44 VA | 2, 4, 10 | | | | | |
| L4-8' | 8' LINEAR PENDANT WITH 3-9/16' DIAMETER ALUMINUM HOUSING, CABLE MOUNTING, SATINE LENS, 0-10V DIMMING, AND 1126 LUMENS PER FOOT | SELUX | PL9LR-1C45-940-SD-C-08' RUN-WH-U-DIM (EMR) | 89 VA | 2, 4, 10 | | | | | |
| L4-12' | 12 LINEAR PENDANT WITH 3-9/16" DIAMETER ALUMINUM HOUSING, CABLE MOUNTING, SATINE LENS, 0-10V DIMMING, AND 1126 LUMENS PER FOOT | SELUX | PL9LR-1C45-940-SD-C-12' RUN-WH-U-DIM | 133 VA | 4 | | | | | |
| L5 | 48" DIAMETER RING PENDANT WITH CUSTOM COLOR (BLUE) METAL OUTER BODY, MATTE WHITE ACRYLIC INNER DIFFUSER, DIRECT/INDIRECT DISTRIBUTION, 0-10V DIMMING, 7773 LUMEN OUTPUT, AND CABLE MOUNTING | CAMMAN LIGHTING | P2410-48-LH-40K-CLV-MV-WM-STBD-ACC (REM) | 69 VA | 2, 5 | | | | | |
| L6 | 18" DIAMETER PENDANT WITH MATTE WHITE METAL OUTER BAND, FLAT WHITE ACRYLIC BOTTOM LENS, 0-10V DIMMING, CABLE MOUNTING, AND 4027 LUMEN OUTPUT | | P1003-18-LH-40K-CLV-MV-WM-STBD-AC | 63 VA | 5 | | | | | |
| L7 | 4" WIDE RECESSED PERIMETER LUMINAIRE WITH 645 LUMEN/FOOT OUTPUT, 7W/FT, SATIN ACRYLIC REGRESSED LENS, GRID MOUNTING, AND 0-10V DIMMING | DAY-O-LITE | WPPL-4-SI-40-SO-XFT-G-W | | 6 | | | | | |
| L8 | RECESSED 1X4 EDGE-LIT FLAT PANEL WITH 5500 LUMEN OUTPUT, 0-10V DIMMING, AND FROSTED LENS | COLUMBIA LIGHTING | CFP14-5540 (PLD10M-PLRTS) | 50 VA | 1, 2 | | | | | |
| | EVICTING SALVACED I HARNAIDE DE INSTALLED | | | 40 VA | 10 | | | | | |

- COMMENTS:

 1. FIXTURE SHALL BE DLC QUALIFIED WITH A MINIMUM 5 YEAR WARRANTY.
- 2. WHERE NOTED ON PLAN AS '75M' OR '7M2', PROVIDE FIXTURE WITH EMERGENCY BATTERY BACK-UP UNIT TO PROVIDE A MINMUM OF 90 MINUTES OF ILLUMINATION, PROVIDE ASSOCIATED REMOTE TEST SWITCH AND CHARGE INDICATOR MODULE. INSTALL IN SINGLE GRANG RECESSED BOX ADJACEMITO RIXTURE.
- 3. SET INITIAL LUMEN OUTPUT OF SWITCHABLE FIXTURE TO 4100.
- 4. FINAL END CAP COLOR TO BE DETERMINED AT SUBMITTAL TIME.
- 5. PROVIDE FINSH COLOR SAMPLES FOR FINAL OUTER RING SELECTION. PROVIDE SAMPLES OF PAL (ALUMINIUM), PMW (MATTE WHITE), PSG (SATIN GOLD), AND PBL (SIGNAL BLUE). INCLUDE COST OF A CUSTOM COLOR TO MATCH SCHOOL BLUE IN QUOTE.
- 6. PERIMETER FIXTURE SHALL BE WALL TO WALL BETWEEN ROOM CORNERS AND COLLIMIS. CONTRACTOR SHALL VERIFY RINAL LENGTHS IN FIELD PRIOR TO FINAL ORDERING OF FIXTURES, COORDINATE WITH CENTERAL CONTRACTOR DURING INSTALLATION.
- 7. PROVIDE EXIT SIGN FIXTURE WITH EMERGENCY BATTERY BACK-UP UNIT TO PROVIDE A MINIMUM OF 90 MINUTES OF ILLUMINATION.
- 9. FIXTURE FINISH SHALL MATCH NEW ALUMINUM WINDOW AND DOOR TRIM. PROVIDE COLOR SAMPLE WITH SUBMITTAL.
- 10. "EMR" INVERTER EMERGENCY UNITS WILL BE PROVIDED FOR FIXTURES NOTED. MOUNT ABOVE DROP CEILING AT FIXTURE.



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PROJECT INFORMATION
Project Number
13940.18

NEWBURGH ENLARGED CITY SCHOOL DISTRICT PHASE 3: HERITAGE MIDDLE

SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

405 Union Avenue New Windsor NY 12553

PROJECT ISSUE SCHEDULE No. Date Description

1 9/17/21 BID ADDENDUM #1 3 10/01/21 BID ADDENDUM #3

09/06/2021 Project Status

CONSTRUCTION DOCUMENTS

Drawn By Checked By

RJD ARM RJD

EQUIPMENT WIRING AND LUMINAIRE SCHEDULES

> HMS E900