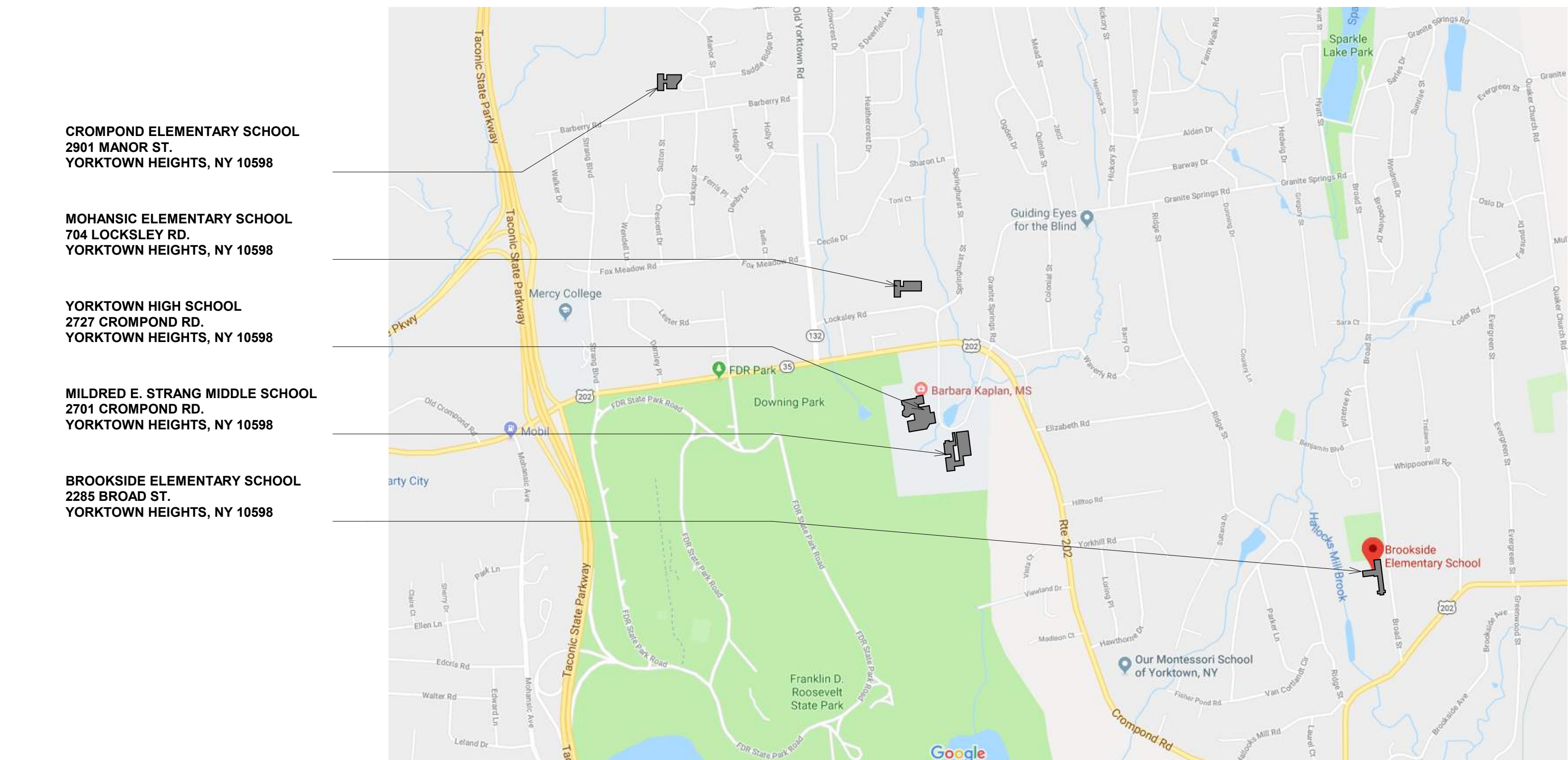


Yorktown Central School District

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Yorktown High School
2727 Crompond Road
Yorktown Heights, NY 10598



YHS - YORKTOWN HIGH SCHOOL SED: #66-24-02-06-0-005-028
MS - MILDRED E. STRANG MIDDLE SCHOOL SED: #66-24-02-06-0-007-027
CES - CROMPOND ELEMENTARY SCHOOL SED: #66-24-02-06-0-003-022
MES - MOHANSIC ELEMENTARY SCHOOL SED: #66-24-02-06-0-004-025
BES - BROOKSIDE ELEMENTARY SCHOOL SED: #66-24-02-06-0-002-020

THE UNDERSIGNED CERTIFIES THAT TO THE BEST OF HIS KNOWLEDGE, INFORMATION AND BELIEF, THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PRECENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE CONSTRUCTION STANDARDS OF THE EDUCATION DEPARTMENT.

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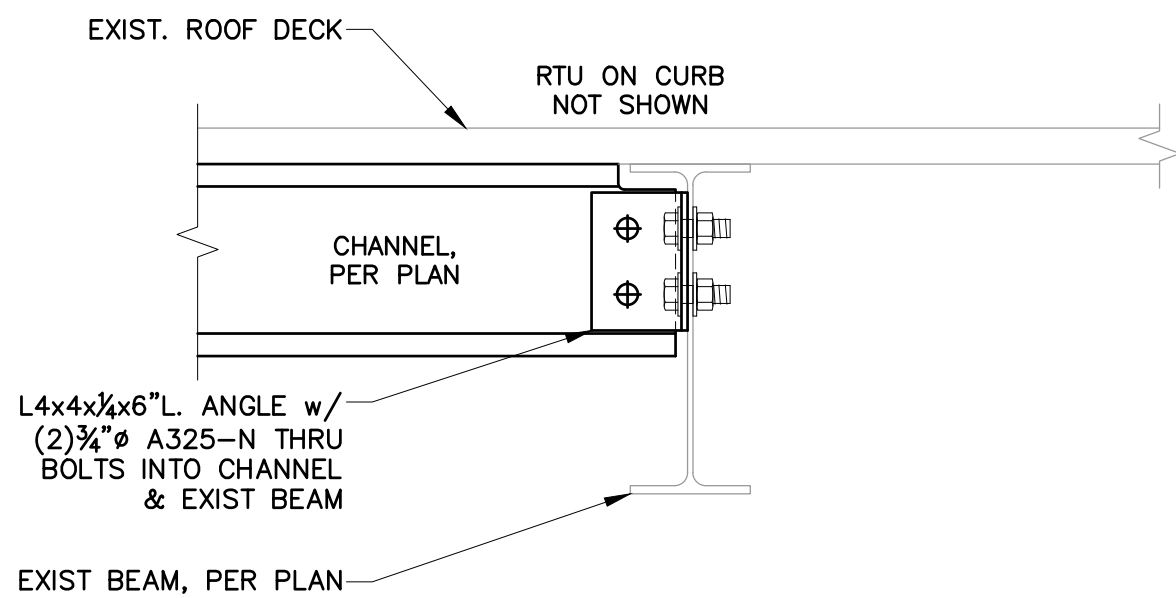
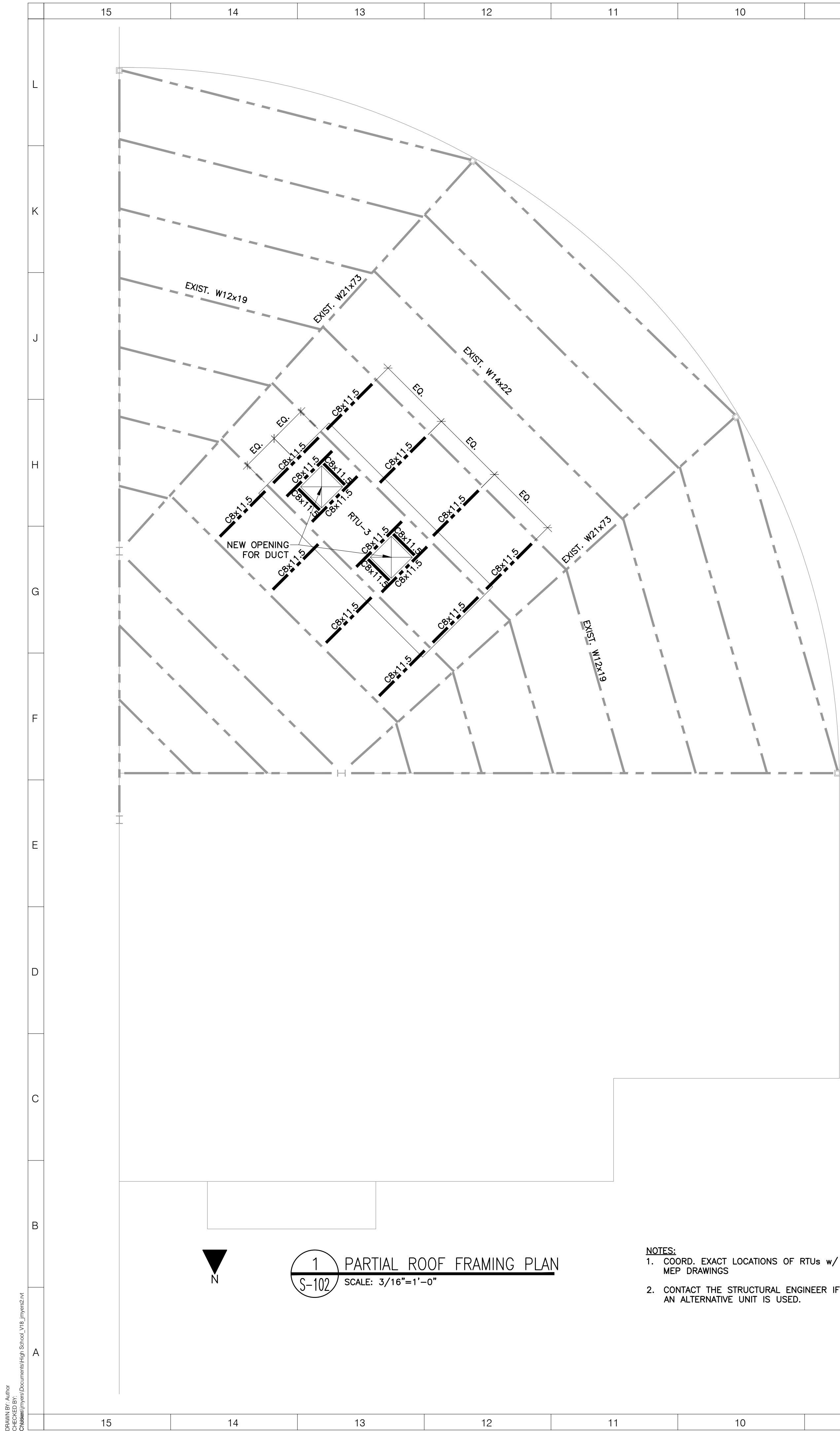
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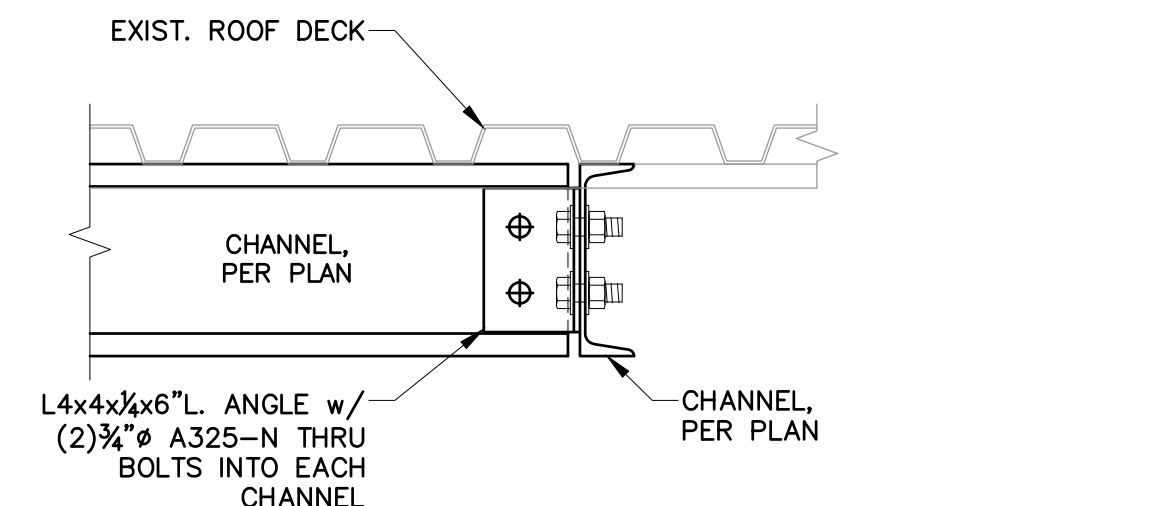
**BID ISSUANCE
DATE: 10/25/2021**

[illegible]

[illegible]



2 CHANNEL TO EXIST. BEAM CONN. DETAIL
S-102 SCALE: 1-1/2"=1'-0"



3 CHANNEL TO CHANNEL CONN. DETAIL
S-102 SCALE: 1-1/2"=1'-0"

NOTE: ALL STRUCTURAL STEEL
WORK BY MECHANICAL
CONTRACTOR

- NOTES:
- COORD. EXACT LOCATIONS OF RTUs w/ MEP DRAWINGS
 - CONTACT THE STRUCTURAL ENGINEER IF AN ALTERNATIVE UNIT IS USED.

ARCHITECT

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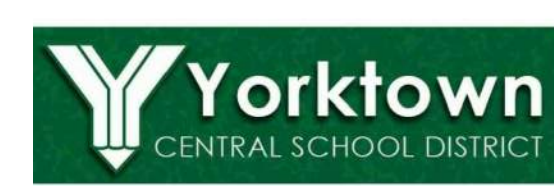
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DISTRICT WIDE
IMPROVEMENTS 2020

Yorktown High School
2725 Crompond Road
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REVISIONS		
No.	Description	Date

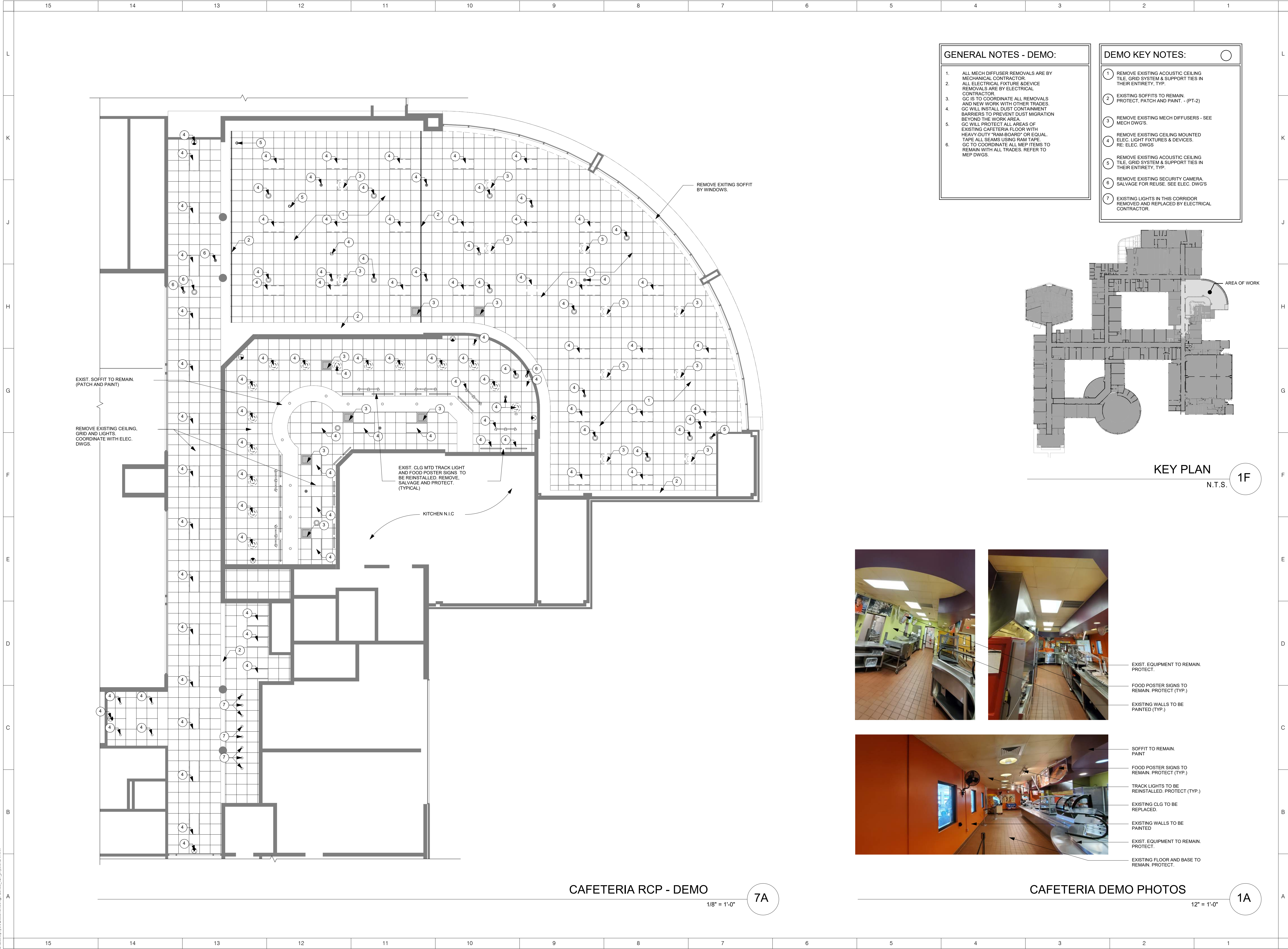
ISSUED: BID ISSUE
DATE: 11/02/2020
SCALE: AS SHOWN
SHEET NAME: PARTIAL ROOF FRAMING PLAN AT CAFETERIA
SHEET NUMBER:

YHS-S102

1" = 30'-0"

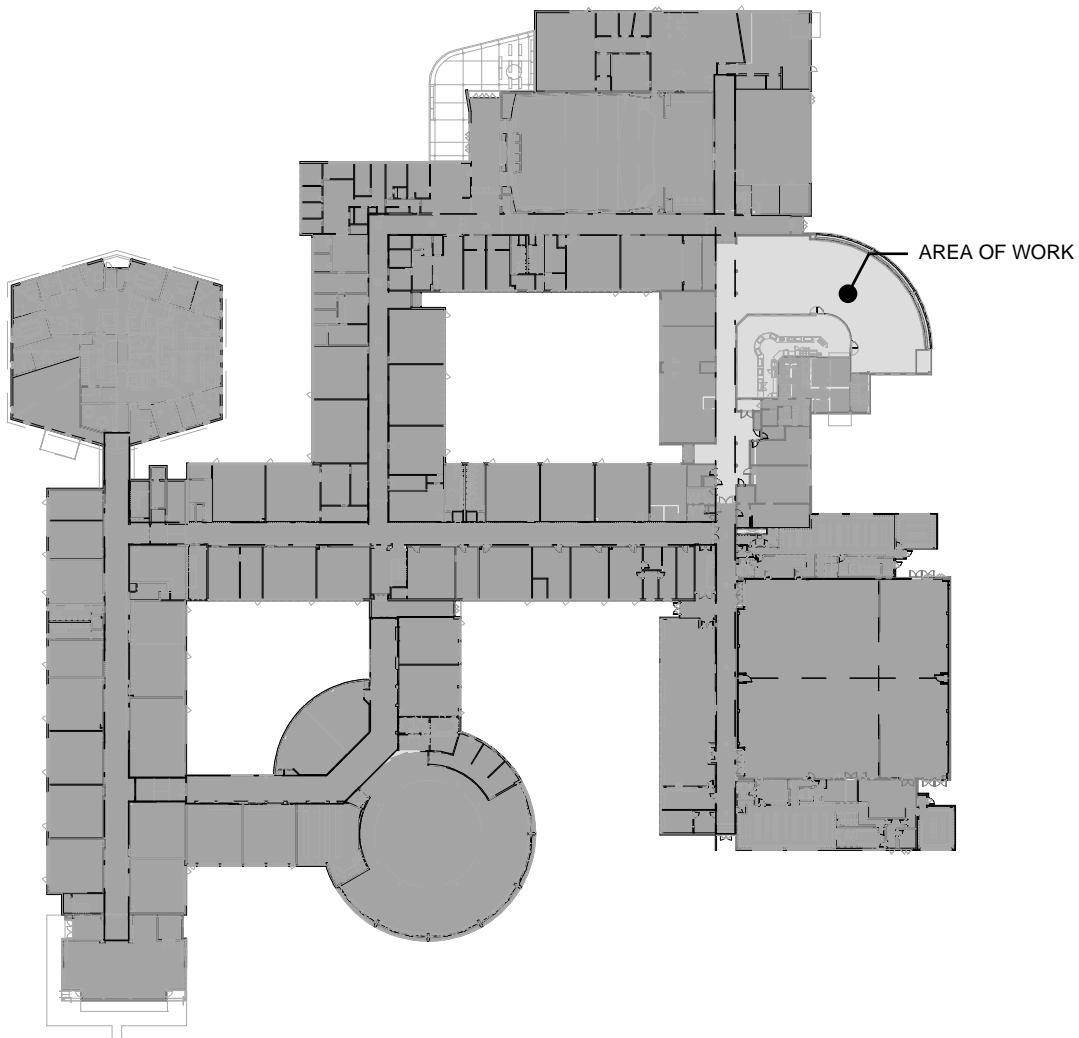
A4

YHS-A100



- GENERAL NOTES - DEMO:**
1. ALL MECH DIFFUSER REMOVALS ARE BY MECHANICAL CONTRACTOR
 2. ALL ELECTRICAL FIXTURE & DEVICE REMOVALS ARE BY ELECTRICAL CONTRACTOR
 3. GC IS TO COORDINATE ALL REMOVALS AND NEW WORK WITH OTHER TRADES.
 4. GC WILL INSTALL DUST CONTAINMENT BARRIERS TO PREVENT DUST MIGRATION BEYOND THE WORK AREA.
 5. GC WILL PROTECT ALL AREAS OF EXISTING CAFETERIA FLOOR WITH HEAVY-DUTY "RAM-BOARD" OR EQUAL.
 6. TAPE ALL SEAMS USING RAM TAPE.
 7. GC TO COORDINATE ALL MEP ITEMS TO REMAIN WITH ALL TRADES. REFER TO MEP DWGS.

- DEMO KEY NOTES:**
1. REMOVE EXISTING ACOUSTIC CEILING TILE, GRID SYSTEM & SUPPORT TIES IN THEIR ENTIRETY, TYP.
 2. EXISTING SOFFITS TO REMAIN. PROTECT, PATCH AND PAINT. - (PT-2)
 3. REMOVE EXISTING MECH DIFFUSERS - SEE MECH DWGS.
 4. REMOVE EXISTING CEILING MOUNTED ELEC. LIGHT FIXTURES & DEVICES. RE: ELEC. DWGS
 5. REMOVE EXISTING ACOUSTIC CEILING TILE, GRID SYSTEM & SUPPORT TIES IN THEIR ENTIRETY, TYP.
 6. REMOVE EXISTING SECURITY CAMERA. SALVAGE FOR REUSE. SEE ELEC. DWGS
 7. EXISTING LIGHTS IN THIS CORRIDOR. REMOVED AND REPLACED BY ELECTRICAL CONTRACTOR.



KEY PLAN
N.T.S. 1F



- EXIST. EQUIPMENT TO REMAIN. PROTECT.
- FOOD POSTER SIGNS TO REMAIN. PROTECT (TYP.)
- EXISTING WALLS TO BE PAINTED (TYP.)



- SOFFIT TO REMAIN. PAINT
- FOOD POSTER SIGNS TO REMAIN. PROTECT (TYP.)
- TRACK LIGHTS TO BE REINSTALLED. PROTECT (TYP.)
- EXISTING CLG TO BE REPLACED.
- EXISTING WALLS TO BE PAINTED
- EXIST. EQUIPMENT TO REMAIN. PROTECT.
- EXISTING FLOOR AND BASE TO REMAIN. PROTECT.

CAFETERIA DEMO PHOTOS
12" = 1'-0" 1A

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REGISTERED ARCHITECT
ARMAND SAMUEL QUONIN
02315
STATE OF NEW YORK

Yorktown
CENTRAL SCHOOL DISTRICT

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

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REVISIONS

No.	Description	Date

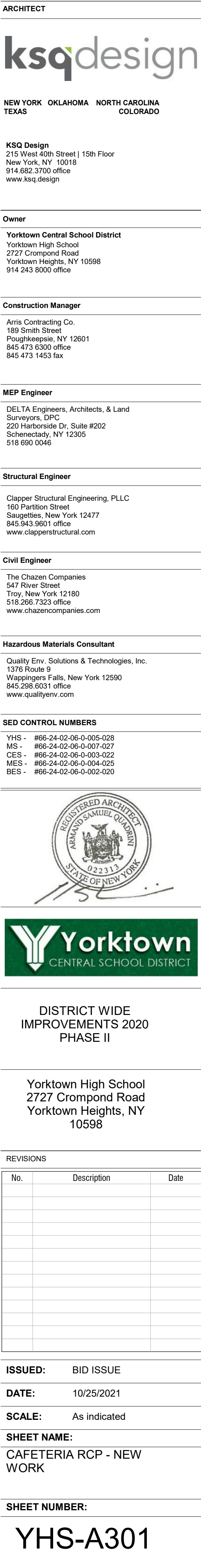
ISSUED: BID ISSUE

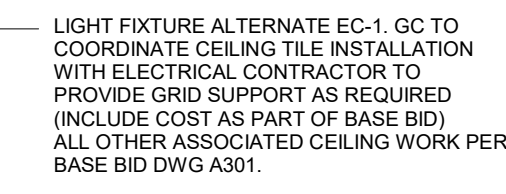
DATE: 10/25/2021

SCALE: As indicated

SHEET NAME: CAFETERIA RCP DEMO

SHEET NUMBER: YHS-A300




$$1/8'' = 1'-0''$$
$$1/8'' = 1'-0''$$


1" = 100'-0"

1F



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10598

BID ISSUE

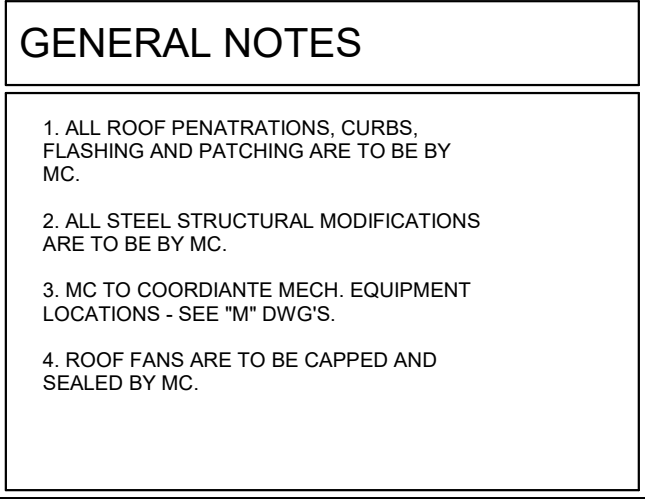
10/25/2021

As indicated

SHEET NAME:
CAFETERIA RCP - NEW
WORK - ALTERNATE EC-1

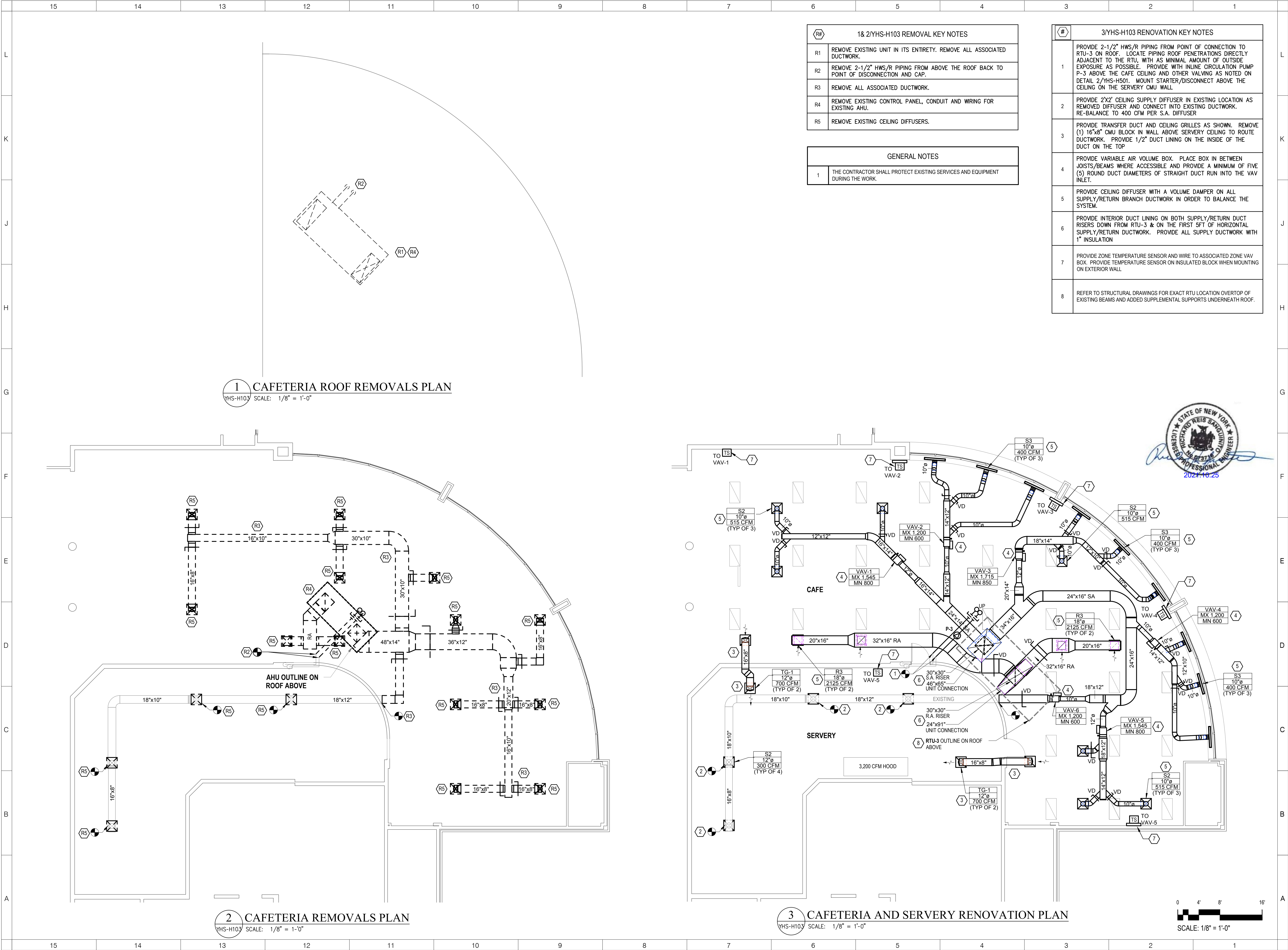
SHEET NUMBER:

YHS-A301A



YHS-A401

[illegible]



#	1& 2/YHS-H103 REMOVAL KEY NOTES
R1	REMOVE EXISTING UNIT IN ITS ENTIRETY. REMOVE ALL ASSOCIATED DUCTWORK.
R2	REMOVE 2-1/2" HWS/R PIPING FROM ABOVE THE ROOF BACK TO POINT OF DISCONNECTION AND CAP.
R3	REMOVE ALL ASSOCIATED DUCTWORK.
R4	REMOVE EXISTING CONTROL PANEL, CONDUIT AND WIRING FOR EXISTING AHU.
R5	REMOVE EXISTING CEILING DIFFUSERS.

GENERAL NOTES	
1	THE CONTRACTOR SHALL PROTECT EXISTING SERVICES AND EQUIPMENT DURING THE WORK.

#	3/YHS-H103 RENOVATION KEY NOTES
1	PROVIDE 2-1/2" HWS/R PIPING FROM POINT OF CONNECTION TO RTU-3 ON ROOF. LOCATE PIPING ROOF PENETRATIONS DIRECTLY ADJACENT TO THE RTU, WITH AS MINIMAL AMOUNT OF OUTSIDE EXPOSURE AS POSSIBLE. PROVIDE WITH INLINE CIRCULATION PUMP P-3 ABOVE THE CAFE CEILING AND OTHER VALVING AS NOTED ON DETAIL 2/YHS-H501. MOUNT STARTER/DISCONNECT ABOVE THE CEILING ON THE SERVERY CMU WALL.
2	PROVIDE 2'X2' CEILING SUPPLY DIFFUSER IN EXISTING LOCATION AS REMOVED DIFFUSER AND CONNECT INTO EXISTING DUCTWORK. RE-BALANCE TO 400 CFM PER S.A. DIFFUSER
3	PROVIDE TRANSFER DUCT AND CEILING GRILLES AS SHOWN. REMOVE (1) 16"x8" CMU BLOCK IN WALL ABOVE SERVERY CEILING TO ROUTE DUCTWORK. PROVIDE 1/2" DUCT LINING ON THE INSIDE OF THE DUCT ON THE TOP
4	PROVIDE VARIABLE AIR VOLUME BOX. PLACE BOX IN BETWEEN JOISTS/BEAMS WHERE ACCESSIBLE AND PROVIDE A MINIMUM OF FIVE (5) ROUND DUCT DIAMETERS OF STRAIGHT DUCT RUN INTO THE VAV INLET.
5	PROVIDE CEILING DIFFUSER WITH A VOLUME DAMPER ON ALL SUPPLY/RETURN BRANCH DUCTWORK IN ORDER TO BALANCE THE SYSTEM.
6	PROVIDE INTERIOR DUCT LINING ON BOTH SUPPLY/RETURN DUCT RISERS DOWN FROM RTU-3 & ON THE FIRST 5FT OF HORIZONTAL SUPPLY/RETURN DUCTWORK. PROVIDE ALL SUPPLY DUCTWORK WITH 1" INSULATION
7	PROVIDE ZONE TEMPERATURE SENSOR AND WIRE TO ASSOCIATED ZONE VAV BOX. PROVIDE TEMPERATURE SENSOR ON INSULATED BLOCK WHEN MOUNTING ON EXTERIOR WALL
8	REFER TO STRUCTURAL DRAWINGS FOR EXACT RTU LOCATION OVERTOP OF EXISTING BEAMS AND ADDED SUPPLEMENTAL SUPPORTS UNDERNEATH ROOF.

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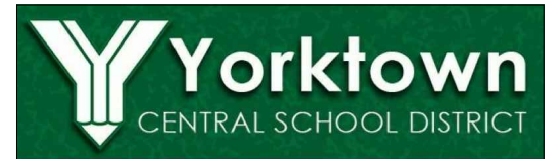
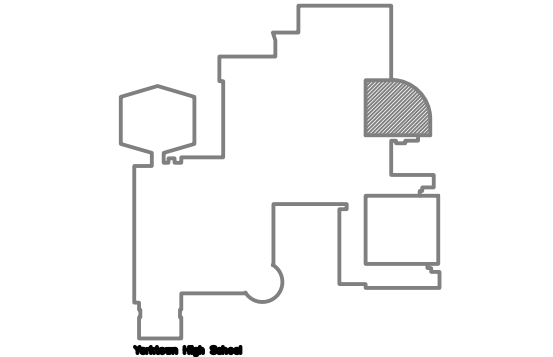
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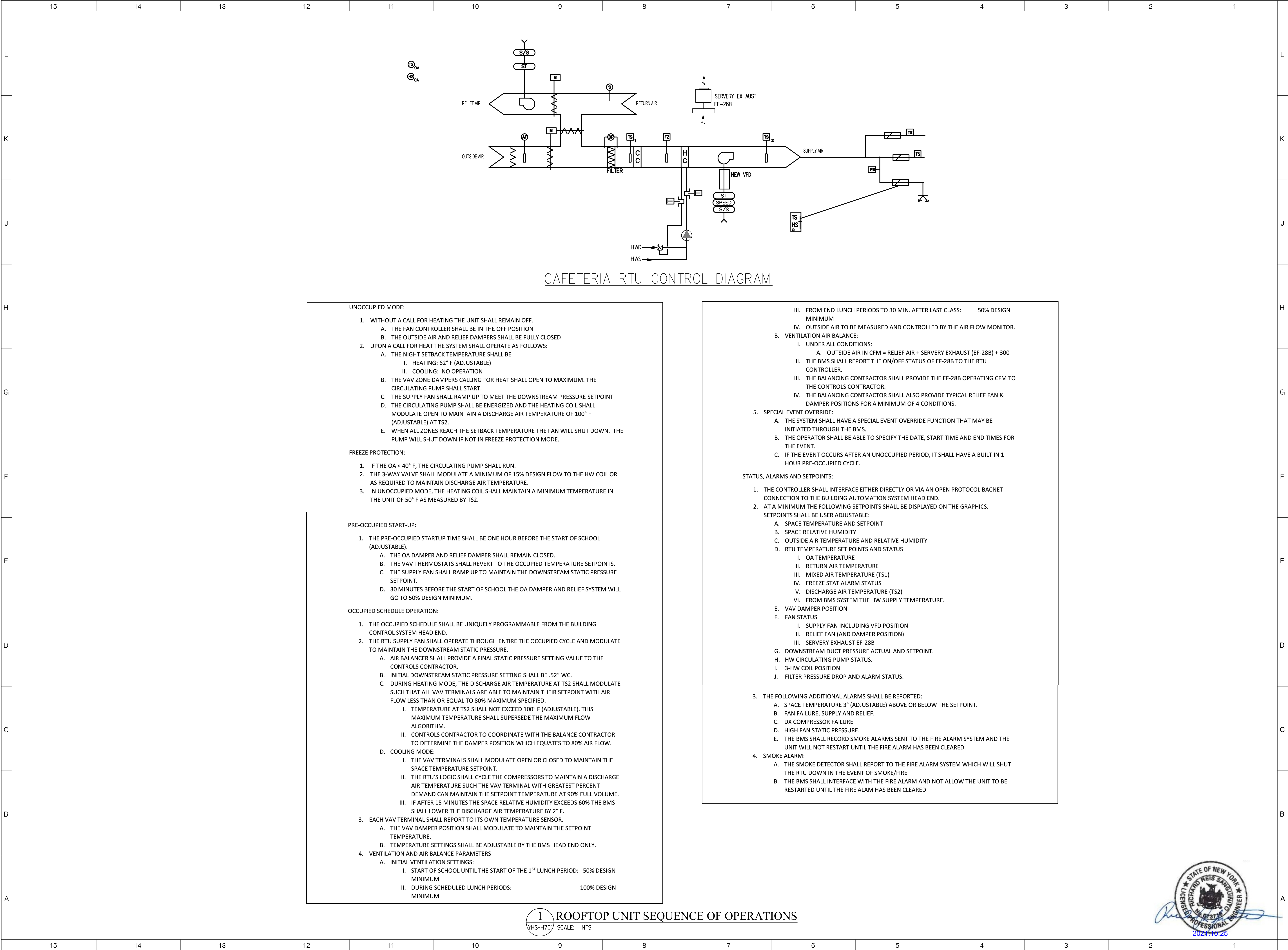
DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

**YORKTOWN HIGH SCHOOL
2727 CROMPOND RD.
YORKTOWN HEIGHTS, NY 10598**

REVISIONS		
No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME: CAFETERIA & SERVERY REMOVAL & RENOVATION PLANS
SHEET NUMBER:

YHS-H103



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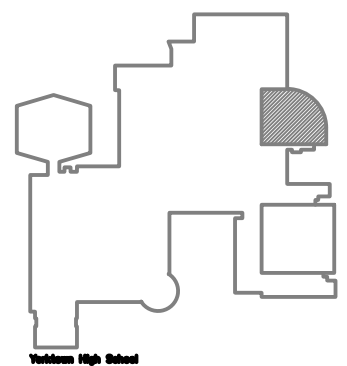
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DATE: 10/25/2021

SCALE: AS NOTED

SHEET NAME:
CONTROL DIAGRAMS

SHEET NUMBER:

YHS-H701



L

K

J

H

G

F

E

D

C

B

A

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

LIGHTING

O L*

CEILING MOUNTED 2ft. x 4ft. LED LIGHTING FIXTURE CAPITAL LETTER AND NUMERAL INDICATES FIXTURE TYPE (REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING YHS-E500)

L*

CEILING RECESSED LED 4ft. LINEAR LIGHTING FIXTURE -CAPITAL LETTER AND NUMERAL INDICATES FIXTURE TYPE -(REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING YHS-E500)

ES
⚡

CEILING OR WALL MOUNTED EXIT SIGN. -CAPITAL LETTERS AND NUMERAL INDICATES FIXTURE TYPE -ARROW INDICATES DIRECTION OF EXIT PATH -SHADING INDICATES ILLUMINATION -(REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING YHS-E500)(2)

\$L3

LOW VOLTAGE WHITE BUTTON STATION WITH ON/OFF, RAISE AND LOWER BUTTONS ACUITY nPODM DX OR APPROVED EQUAL.(5)

\$L6

LOW VOLTAGE WHITE BUTTON STATION WITH (2) ON/OFF AND (2) RAISE LOWER BUTTONS ACUITY nPODM 2P DX OR APPROVED EQUAL.(5)

[LC]

ACUITY nLIGHTING nPP16D DIMMING RELAY POWER PACK CEILING. SEE DETAILS ON DRAWINGS YHS-E500 FOR WIRING REQUIREMENTS.

■

ACUITY nCM PDT9 OR 10 CEILING MOUNTED OCCUPANCY SENSOR - SEE DETAILS ON DRAWINGS YHS-E500 FOR WIRING REQUIREMENTS.

△EM+

WALL MOUNTED EMERGENCY LIGHTING BATTERY UNIT. CAPITAL LETTERS AND NUMERAL INDICATES FIXTURE TYPE. (REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING YHS-E500).(2)

REMOVALS

(J)

JUNCTION BOX

-EUV

UNIT VENTILATOR

-ERTU

ROOFTOP UNIT

↻

DISCONNECT ELECTRIC TO MOTOR AND REMOVE IN ITS ENTIRETY BACK TO SOURCE

(SD)

FIRE ALARM DUCT SMOKE DETECTOR

S

FIRE ALARM SMOKE DETECTOR

f

FIRE ALARM MANUAL PULL STATION

fA

FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE

(C)

PENDANT CEILING MOUNTED HID HIGHBAY LIGHTING FIXTURE

[o]

RECESSED CEILING MOUNTED 2ft. x 4ft. FLUORESCENT LIGHTING FIXTURE.

△-+△

WALL MOUNTED EMERGENCY LIGHTING BATTERY UNIT

⊗

CEILING MOUNTED EXIT SIGN

⊙

WALL MOUNTED EXIT SIGN

\$

LIGHTING SWITCH

(V)w

CEILING MOUNTED WIRELESS DATA ACCESS POINT

(K)

SECURITY CAMERA

S

PUBLIC ADDRESS SYSTEM CEILING SPEAKER

MOUNTING HEIGHTS

UNLESS OTHERWISE NOTED, MOUNT DEVICES AND EQUIPMENT AT HEIGHTS MEASURED FROM FINISHED FLOOR TO DEVICE/ EQUIPMENT CENTERLINE AS LISTED BELOW.
COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
WHERE STRUCTURAL OR OTHER INTERFERENCE'S PREVENT COMPLIANCE WITH MOUNTING HEIGHTS LISTED BELOW, CONSULT OWNER'S REPRESENTATIVE FOR APPROVAL TO CHANGE LOCATION BEFORE INSTALLATION.

DISCONNECT SWITCH HANDLE, UON 48"

POWER & SYSTEMS

DISCONNECT SWITCH, RATINGS AS INDICATED ON FLOOR PLANS

CONDUIT WITH CONDUCTORS

LP-

MOTOR (FURNISHED AND INSTALLED BY MC, LINE VOLTAGE WRING BY EC)

RTU→

BRANCH CIRCUIT HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. CAPITAL LETTER WITH NUMERALS INDICATE PANEL DESIGNATION AND NUMERAL INDICATES PANEL CIRCUIT BREAKER NUMBER. STANDALONE NUMBER INDICATES PANELBOARD CIRCUIT NUMBER.

HVAC ROOFTOP UNIT, (PROVIDED UNDER MC CONTRACT, LINE VOLTAGE WRING BY EC) UNIT HAS INTEGRAL 120 VOLT GFCI RECEPTACLE.

DISTRIBUTION POWER PANELBOARD

DUPLEX RECEPTACLE

EXISTING SURFACE MOUNTED PANELBOARD

EXISTING RECESS MOUNTED PANELBOARD

[FACP]

EXISTING FIRE ALARM SYSTEM CONTROL PANEL.(1)

D**

FIRE ALARM DUCT SMOKE DETECTOR WITH 120V ELECTRIC HEATER LOCATED IN HVAC DUCT WORK. FURNISH TO MC FOR INSTALLATION INTO DUCTWORK.
** = EQUIPMENT DESIGNATION. SEE NOTE -(1)

MANUAL DISCONNECT SNAP SWITCH

R

FIRE ALARM FAN SHUT-DOWN RELAY(1)

S

FIRE ALARM SMOKE DETECTOR(1)

f

FIRE ALARM MANUAL PULL STATION(1)

XXcd

FIRE ALARM COMBINATION SPEAKER-STROBE DEVICE. SEE NOTE - XXcd = STROBE CANDELA RATING(1)

REINSTALL EXISTING PUBLIC ADDRESS SYSTEM CEILING SPEAKER

REINSTALL EXISTING SECURITY CAMERA

REINSTALL EXISTING CEILING MOUNTED WIRELESS DATA ACCESS POINT

WALL MOUNTED 15" ROUND WIRELESS BRG MASTER CLOCK

WALL MOUNTED PUBLIC ADDRESS SYSTEM HORN SPEAKER(3)

WALL MOUNTED BUILDING LOCK DOWN VISUAL INDICATOR DEVICE (AMBER COLOR)(4)

KP

PRIMARY CODE-CONTROL STATION (FURNISHED BY GC, INSTALLED AND WIRED BY EC)

KS

SECONDARY KEY CONTROL STATION (FURNISHED BY GC, INSTALLED AND WIRED BY EC)

SP-XFMR VOLTAGE TRANSFORMER (FURNISHED BY GC, INSTALLED AND WIRED BY EC)

PIR SENSOR (FURNISHED BY GC, INSTALLED AND WIRED BY EC)

GENERAL NOTES - INSTALLATION

NEW BRANCH CIRUITRY SHALL BE INSTALLED ABOVE CEILING WHERE POSSIBLE, AS HIGH AS POSSIBLE.

ALL EQUIPMENT SHOWN ON REMOVALS PLANS SHALL BE REMOVED, UNLESS OTHERWISE NOTED. REMOVE ONLY ASSOCIATED WIRING WITHIN ROOM. ASSOCIATED EXISTING BRANCH CIRCUIT WIRING HOMERUN BACK TO PANEL IN EACH ROOM SHALL REMAIN FOR CONNECTION TO NEW LIGHTING BRANCH CIRCUIT WIRING SHOWN, UNLESS OTHERWISE NOTED.

COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES PRIOR TO ROUGH-IN. RELOCATE ANY CONDUITS AS NECESSARY TO PERMIT INSTALLATION OF DUOTWORK OR PIPING.

INSTALL ALL CIRCUITUNG CONCEALED INSIDE WALL CAVITY WHERE EVER POSSIBLE. PROVIDE SURFACE MOUNTED BACKBOXES AND RACEWAY FOR WIRING DEVICES LOCATED ON EXISTING SOLID WALL CONSTRUCTION. PROVIDE SHALLOW TYPE BACKBOXES FOR SURFACE MOUNTED POWER AND SWITCHING APPLICATIONS. REFER TO ARCHITECTURAL PLANS FOR WALL TYPES.

FIRESTOP ALL LOW VOLTAGE SLEEVES AND PENETRATIONS AFTER INSTALLATION OF CABLE.

PROVIDE OPEN TOP CABLE HANGERS 4' ON CENTER SUPPORTED TO SUPPORT ALL LOW VOLTAGE CABLING ABOVE ACCESSIBLE CEILINGS. PROVIDE SEPARATE CABLE HANGERS FOR FIRE ALARM CABLING. INSTALL ALL EXPOSED CABLES IN EMT CONDUIT OR SURFACE RACEWAY IN FINISHED AREAS.

ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

OBTAIN WIRNG AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR PRIOR TO ROUGHING WORK THAT IS NOT PROPERLY COORDINATED WILL BE RELOCATED AT NO COST TO THE OWNER.

GENERAL NOTES FIRE ALARM

PROVIDE FAN SHUTDOWN RELAYS FOR ALL FANS OVER 1000 CFM. VERIFY CFM ON MECHANICAL SCHEDULE AND PROVIDE SHUTDOWNS AS REQUIRED.

PROVIDE MODIFICATIONS AND WIRING REQUIRED TO CONNECT TO EXISTING EDWARDS FIRE ALARM CONTROL PANEL.

PROVIDE REMOTE TEST SWITCH FOR ALL DUCT MOUNTED SMOKE DETECTORS.

PROVIDE INDEPENDENT CABLE SUPPORTS FOR FIRE ALARM CABLE.

ALL EXPOSED FIRE ALARM CABLE SHALL BE RUN IN CONDUIT OR SURFACE METAL RACEWAY AND BE INDEPENDENT OF ALL OTHER CABLING. REFER TO FIRE ALARM RISER DIAGRAM YHS-E501.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFR	ABOVE FINISHED ROOF
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
CB	CONDUIT
Circuit Breaker	CIRCUIT BREAKER
EAHU	EXISTING AIR HANDLING UNIT
EC	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
EXR	EXISTING TO REMAIN
FBO	FURNISHED BY OWNER
FIBO	FURNISHED AND INSTALLED BY OWNER
G	VANDAL GUARD(5)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
HID	HIGH INTENSITY DISCHARGE (METAL HALIDE)
MC	MECHANICAL CONTRACTOR
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
RGS	RIGID GALVANIZED STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
WP	WEATHER PROOF WHILE IN USE COVER

KEYED NOTES

(1)FOR CABLE REQUIREMENTS SEE FIRE ALARM ONE-LINE DIAGRAM, YHS-E501.

(2)PROVIDE UNSWITCHED POWER TO EXIT SIGNS, FOR BATTERY TRICKLE CHARGE AND LED INDICATION OF NORMAL POWER LOSS, SIGNALING UNIT BATTERY OPERATION.

(3)REFER TO PUBLIC ADDRESS SYSTEM RISER DIAGRAM ON DRAWING 2/YHS-E501.

(4)REFER TO BUILDING LOCKDOWN VISUAL RISER DIAGRAM ON DRAWING 3/YHS-E501.

(5)FOR LOW VOLTAGE LIGHTING SWITCHES L3 AND L6, PROVIDE PROTECTIVE COVER EMERSON F29-0198 UNIVERSAL LOCKING THERMOSTAT GUARD, CLEAR OR APPROVED EQUAL.

GENERAL NOTES

1.PROVIDE 200 ACT CEILING TILES OF EACH SIZE; 2'X2' AND 2'X4' TILES TO MATCH EXISTING WITHIN THE BUILDING. COORDINATE WITH OWNER FOR EXACT TYPE. REPLACE DAMAGED TILES FROM THE RESULT OF FIRE ALARM CEILING WORK. REUSE AND RELOCATE EXISTING GOOD TILES PREVIOUSLY HOUSING FIRE ALARM CEILING DEVICES TO INSTALL REPLACEMENT DEVICES INTO. IF TILE IS NOT ACCEPTABLE FOR MOUNTING, PROVIDE REPLACEMENT FROM QUANTITY ABOVE.

2.ALL DEVICES AND EQUIPMENT SHOWN ON DEMOLITION PLANS SHALL BE REMOVED, INCLUDING WIRING AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

3.EC IS RESPONSIBLE TO PATCH AND PAINT AS NECESSARY TO MATCH FINISHED SPACE MATERIALS AND PAINT AROUND ALL FIRE ALARM WALL MOUNTED DEVICE BOXES WHEN INSTALLED WHERE EXISTING WALL DEVICE WAS LOCATED. COORDINATE WITH OWNER FOR PAINT TYPES.

4.PATCH AND PAINT ANY REMOVED WALL MOUNTED DEVICES AND CONDUIT LOCATIONS TO MATCH FINISHED SPACE MATERIALS AND PAINT. PROVIDE BLANK COVERPLATES AND PAINT TO MATCH FINISHED SPACE WHERE DEVICES WERE INSTALLED IN CMU BLOCK WALLS. COORDINATE WITH OWNER FOR PAINT TYPES.

5.REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING SYSTEM TILES AS REQUIRED TO INSTALL ELECTRICAL

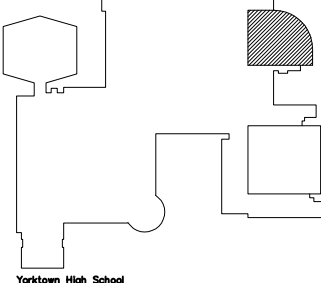


- ① DISCONNECT AND REMOVE EXISTING POWER BRANCH CIRCUIT FEEDING ROOFTOP UNIT ON ROOF BACK TO SOURCE IN ITS ENTIRETY.
- ② DISCONNECT, REMOVE AND STORE EXISTING PA SYSTEM SALLER REMOVAL OF CEILING. MAINTAIN SYSTEM WIRING FOR RECONNECTION. REFER TO DRAWING YHS-E106 FOR REINSTALLATION OF DEVICE.
- ③ DISCONNECT, REMOVE AND STORE EXISTING FIRE ALARM SMOKE DETECTOR TO ALLOW REMOVAL OF CEILING. MAINTAIN SYSTEM WIRING FOR RECONNECTION. REFER TO DRAWING YHS-E106 FOR REINSTALLATION OF DEVICE.
- ④ DISCONNECT AND REMOVE EXISTING RECESSED LIGHTING FIXTURE. MAINTAIN EXISTING LIGHTING BRANCH CIRCUIT WIRING FOR RECONNECTION TO REPLACEMENT LIGHTING FIXTURE. ALTERNATE EC-2: EC TO REMOVE EXISTING LIGHTING BRANCH CIRCUIT BACK TO SOURCE IN ITS ENTIRETY.
- ⑤ DISCONNECT, REMOVE AND STORE EXISTING IP SECURITY CAMERA TO ALLOW REMOVAL OF CEILING. MAINTAIN SYSTEM WIRING FOR RECONNECTION. REFER TO DRAWING YHS-E106 FOR REINSTALLATION OF DEVICE.
- ⑥ DISCONNECT, REMOVE AND STORE EXISTING WIRELESS ACCESS POINT TO ALLOW REMOVAL OF CEILING. MAINTAIN SYSTEM WIRING FOR RECONNECTION. REFER TO DRAWING YHS-E106 FOR REINSTALLATION OF DEVICE.
- ⑦ DISCONNECT AND REMOVE TRACK LIGHTING IN SERVERY DURING ACT CEILING REMOVAL. COVER, PROTECT, AND SAVE FOR REINSTALLATION.
- ⑧ RECESSED CAN LIGHTING IN SOFFIT ABOVE SERVING LINE IS TO REMAIN.

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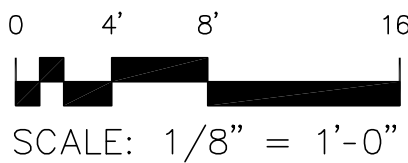
YHS-E101

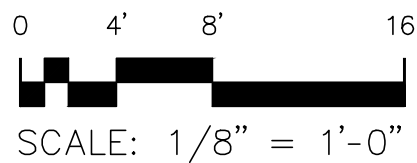
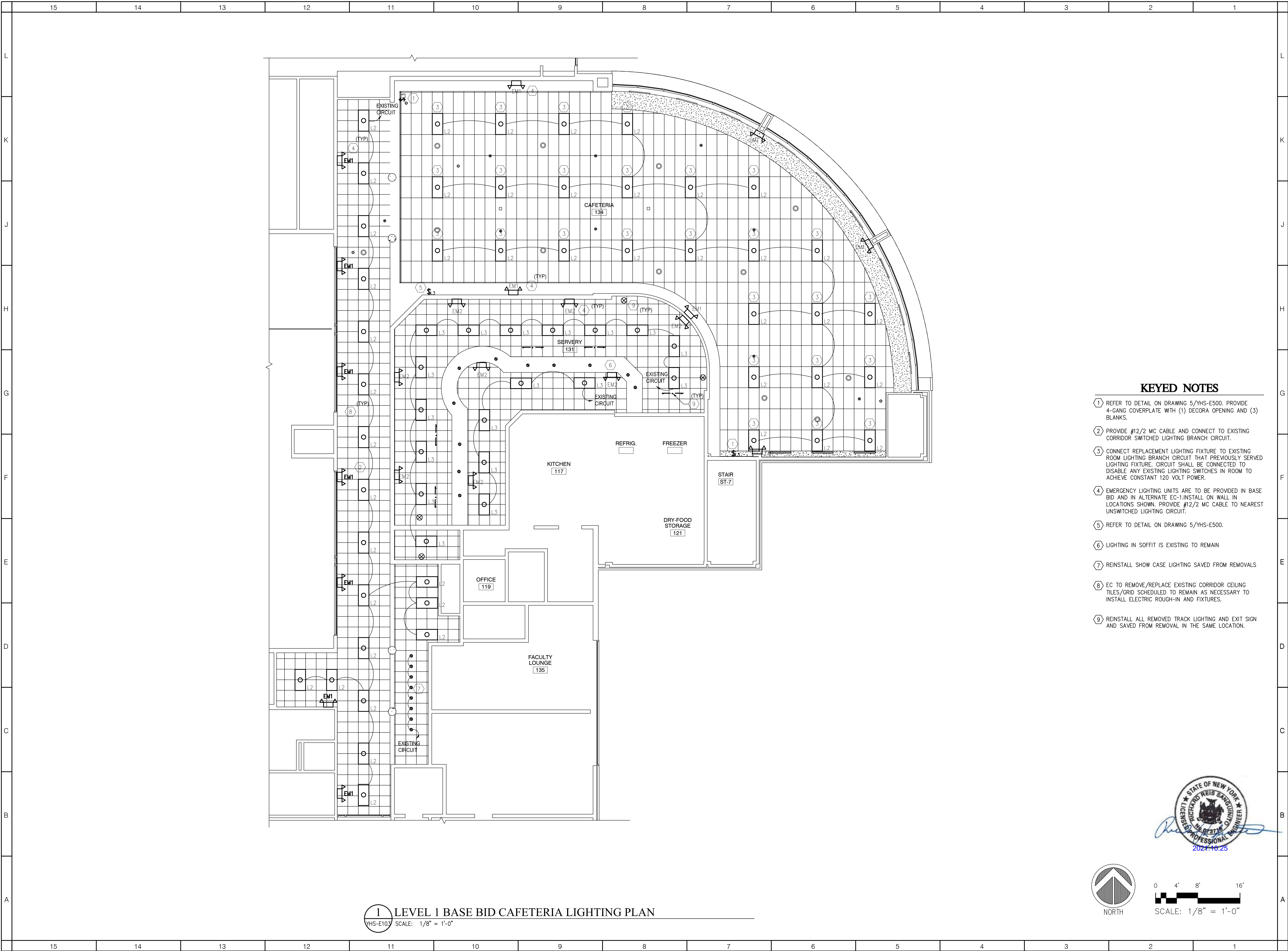
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MS - #66-24-02-06-0-007-027
CES - #66-24-02-06-0-003-022
MES - #66-24-02-06-0-004-025
BES - #66-24-02-06-0-002-020



DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

YORKTOWN HIGH SCHOOL
2727 CROMPOND RD.
YORKTOWN HEIGHTS, NY 10598





- KEYED NOTES**
- 1 REFER TO DETAIL ON DRAWING 5/YHS-E500. PROVIDE 4-GANG COVERPLATE WITH (1) DECORA OPENING AND (3) BLANKS.
 - 2 PROVIDE #12/2 MC CABLE AND CONNECT TO EXISTING CORRIDOR SWITCHED LIGHTING BRANCH CIRCUIT.
 - 3 CONNECT REPLACEMENT LIGHTING FIXTURE TO EXISTING ROOM LIGHTING BRANCH CIRCUIT THAT PREVIOUSLY SERVED LIGHTING FIXTURE. CIRCUIT SHALL BE CONNECTED TO DISABLE ANY EXISTING LIGHTING SWITCHES IN ROOM TO ACHIEVE CONSTANT 120 VOLT POWER.
 - 4 EMERGENCY LIGHTING UNITS ARE TO BE PROVIDED IN BASE BID AND IN ALTERNATE EC-1/INSTALL ON WALL IN LOCATIONS SHOWN. PROVIDE #12/2 MC CABLE TO NEAREST UNSWITCHED LIGHTING CIRCUIT.
 - 5 REFER TO DETAIL ON DRAWING 5/YHS-E500.
 - 6 LIGHTING IN SOFFIT IS EXISTING TO REMAIN
 - 7 REINSTALL SHOW CASE LIGHTING SAVED FROM REMOVALS
 - 8 EC TO REMOVE/REPLACE EXISTING CORRIDOR CEILING TILES/GRID SCHEDULED TO REMAIN AS NECESSARY TO INSTALL ELECTRIC ROUGH-IN AND FIXTURES.
 - 9 REINSTALL ALL REMOVED TRACK LIGHTING AND EXIT SIGN AND SAVED FROM REMOVAL IN THE SAME LOCATION.



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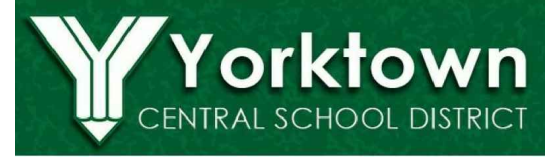
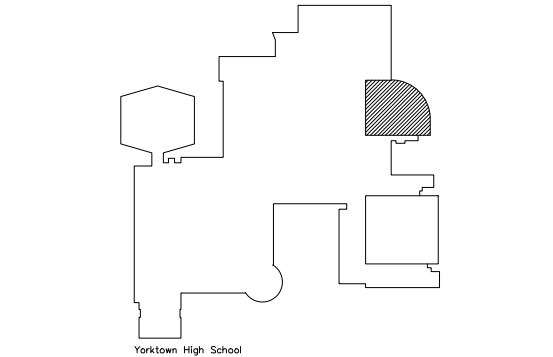
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MES -	#66-24-02-06-0-004-025
BES -	#66-24-02-06-0-002-020



**DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II**

**YORKTOWN HIGH SCHOOL
2727 CROMPOND RD.
YORKTOWN HEIGHTS, NY 10598**

REVISIONS

No.	Description	Date

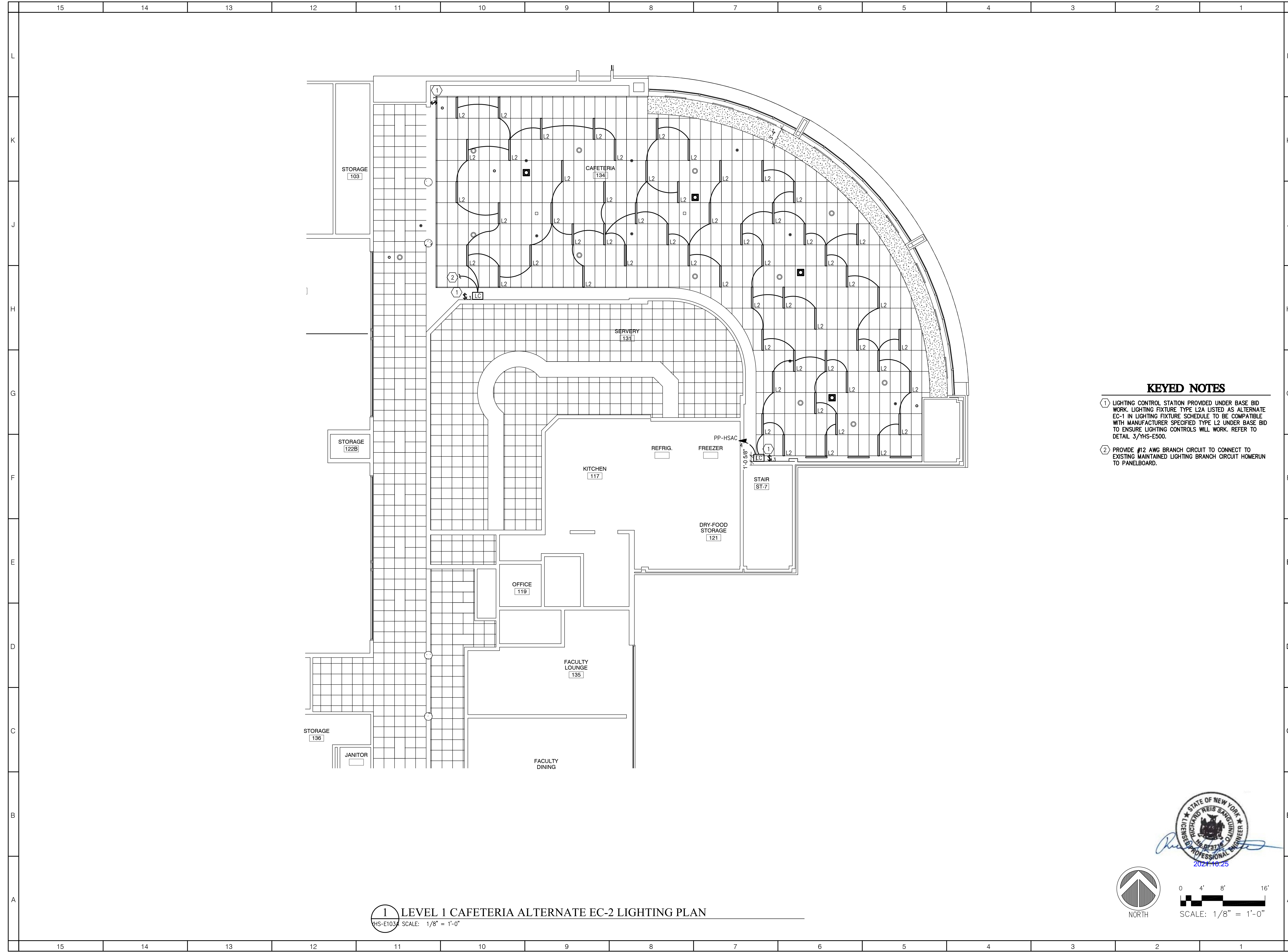
ISSUED: BID ISSUE

DATE: 10/25/2021


SCALE: AS NOTED

SHEET NAME:
MAIN LEVEL CAFETERIA
LIGHTING PLAN


SHEET NUMBER:
YHS-E103



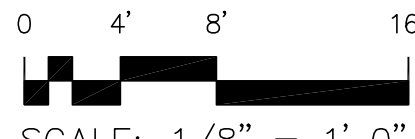
1 LEVEL 1 CAFETERIA ALTERNATE EC-2 LIGHTING PLAN
HS-E103A SCALE: 1/8" = 1'-0"



NORTH



2021.10.25



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

- KEYED NOTES**
- ① LIGHTING CONTROL STATION PROVIDED UNDER BASE BID WORK. LIGHTING FIXTURE TYPE L2A LISTED AS ALTERNATE EC-1 IN LIGHTING FIXTURE SCHEDULE TO BE COMPATIBLE WITH MANUFACTURER SPECIFIED TYPE L2 UNDER BASE BID TO ENSURE LIGHTING CONTROLS WILL WORK. REFER TO DETAIL 3/YHS-E500.
- ② PROVIDE #12 AWG BRANCH CIRCUIT TO CONNECT TO EXISTING MAINTAINED LIGHTING BRANCH CIRCUIT HOMERUN TO PANELBOARD.

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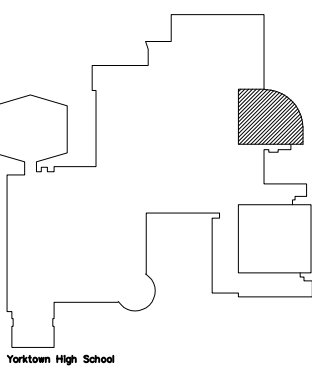
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Yorktown High School



Yorktown
CENTRAL SCHOOL DISTRICT

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

YORKTOWN HIGH SCHOOL
2727 CROMPOND RD.
YORKTOWN HEIGHTS, NY 10598

REVISIONS

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SCALE: AS NOTED

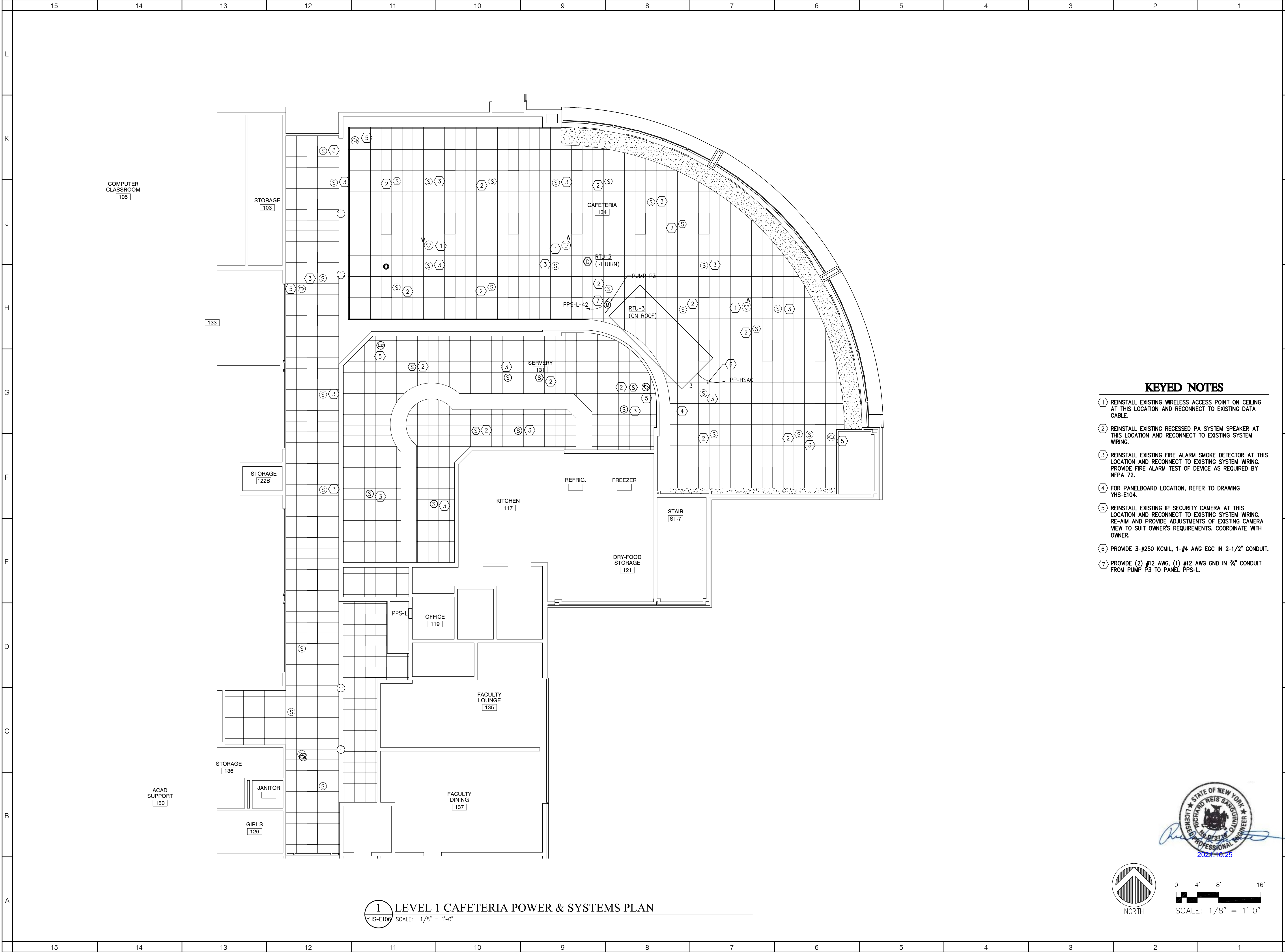
SHEET NAME:
LEVEL 1 CAFETERIA
ALTERNATE EC-1
LIGHTING PLAN

SHEET NUMBER:
YHS-E103A

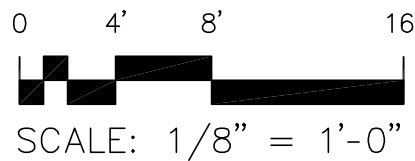


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YHS-E104



1 LEVEL 1 CAFETERIA POWER & SYSTEMS PLAN
YHS-E106 SCALE: 1/8" = 1'-0"



- KEYED NOTES**
- REINSTALL EXISTING WIRELESS ACCESS POINT ON CEILING AT THIS LOCATION AND RECONNECT TO EXISTING DATA CABLE.
 - REINSTALL EXISTING RECESSED PA SYSTEM SPEAKER AT THIS LOCATION AND RECONNECT TO EXISTING SYSTEM WIRING.
 - REINSTALL EXISTING FIRE ALARM SMOKE DETECTOR AT THIS LOCATION AND RECONNECT TO EXISTING SYSTEM WIRING. PROVIDE FIRE ALARM TEST OF DEVICE AS REQUIRED BY NFPA 72.
 - FOR PANELBOARD LOCATION, REFER TO DRAWING YHS-E104.
 - REINSTALL EXISTING IP SECURITY CAMERA AT THIS LOCATION AND RECONNECT TO EXISTING SYSTEM WIRING. RE-AIM AND PROVIDE ADJUSTMENTS OF EXISTING CAMERA VIEW TO SUIT OWNER'S REQUIREMENTS. COORDINATE WITH OWNER.
 - PROVIDE 3-#250 KCMIL, 1-#4 AWG EGC IN 2-1/2" CONDUIT.
 - PROVIDE (2) #12 AWG, (1) #12 AWG GND IN 3/4" CONDUIT FROM PUMP P-3 TO PANEL PPS-L.

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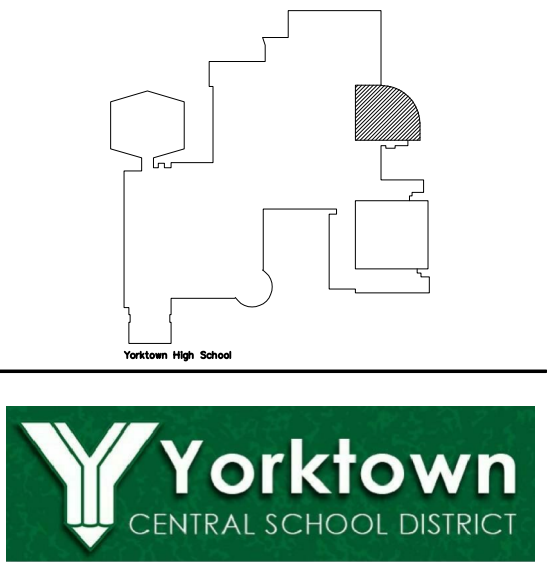
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DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

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REVISIONS		
No.	Description	Date

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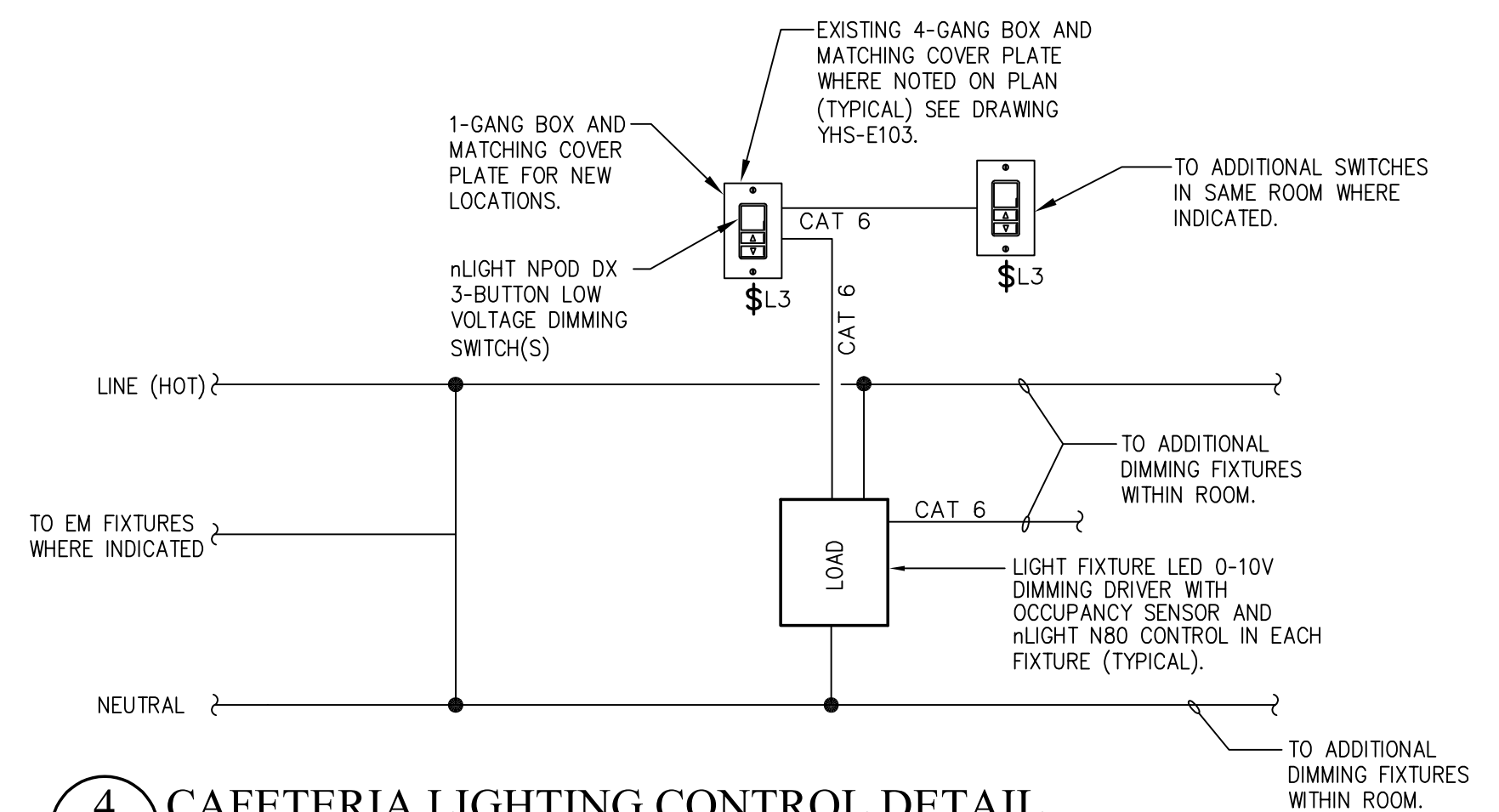
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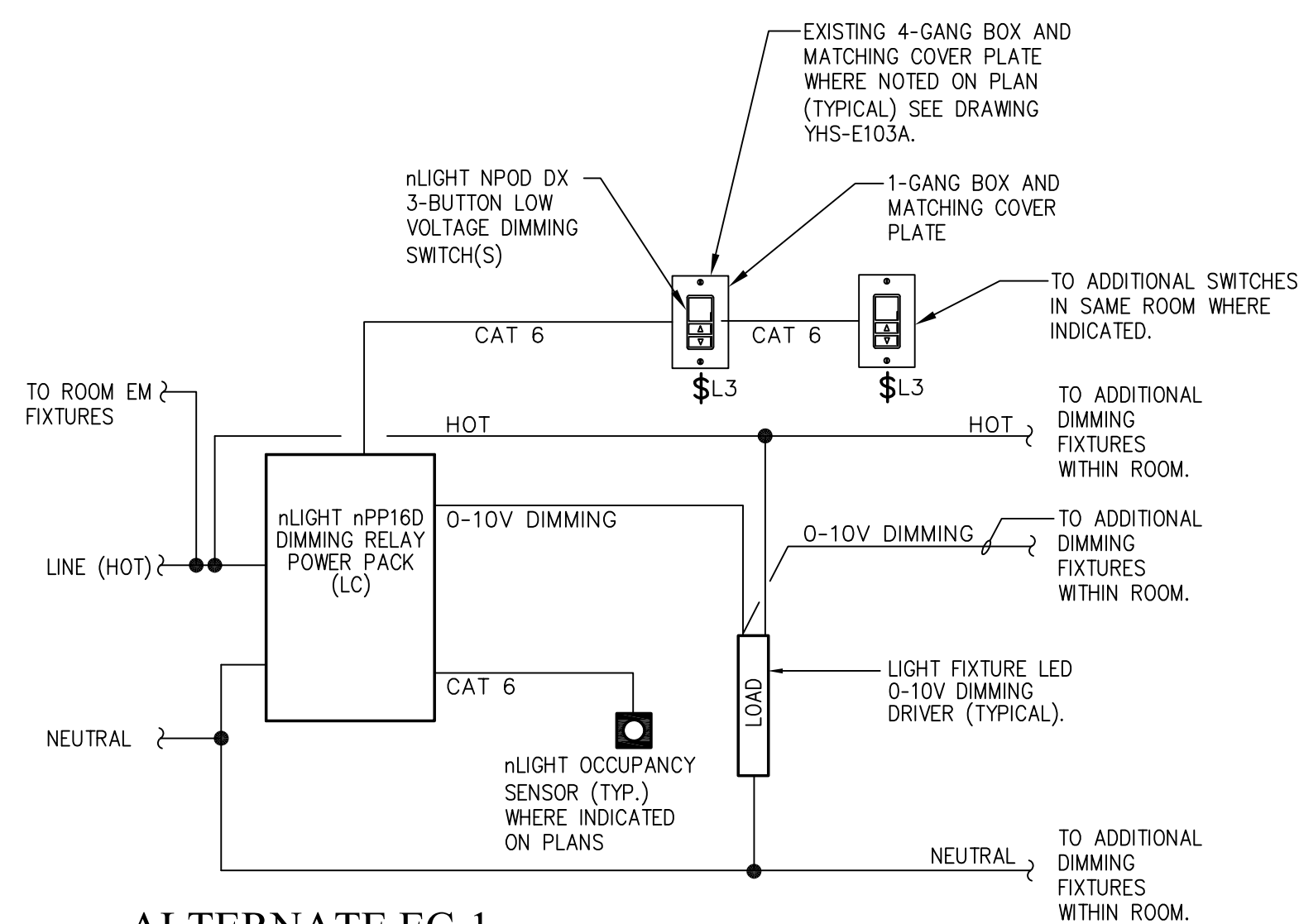
SHEET NAME:
LEVEL 1 CAFETERIA
POWER & SYSTEMS PLAN

SHEET NUMBER:

YHS-E106



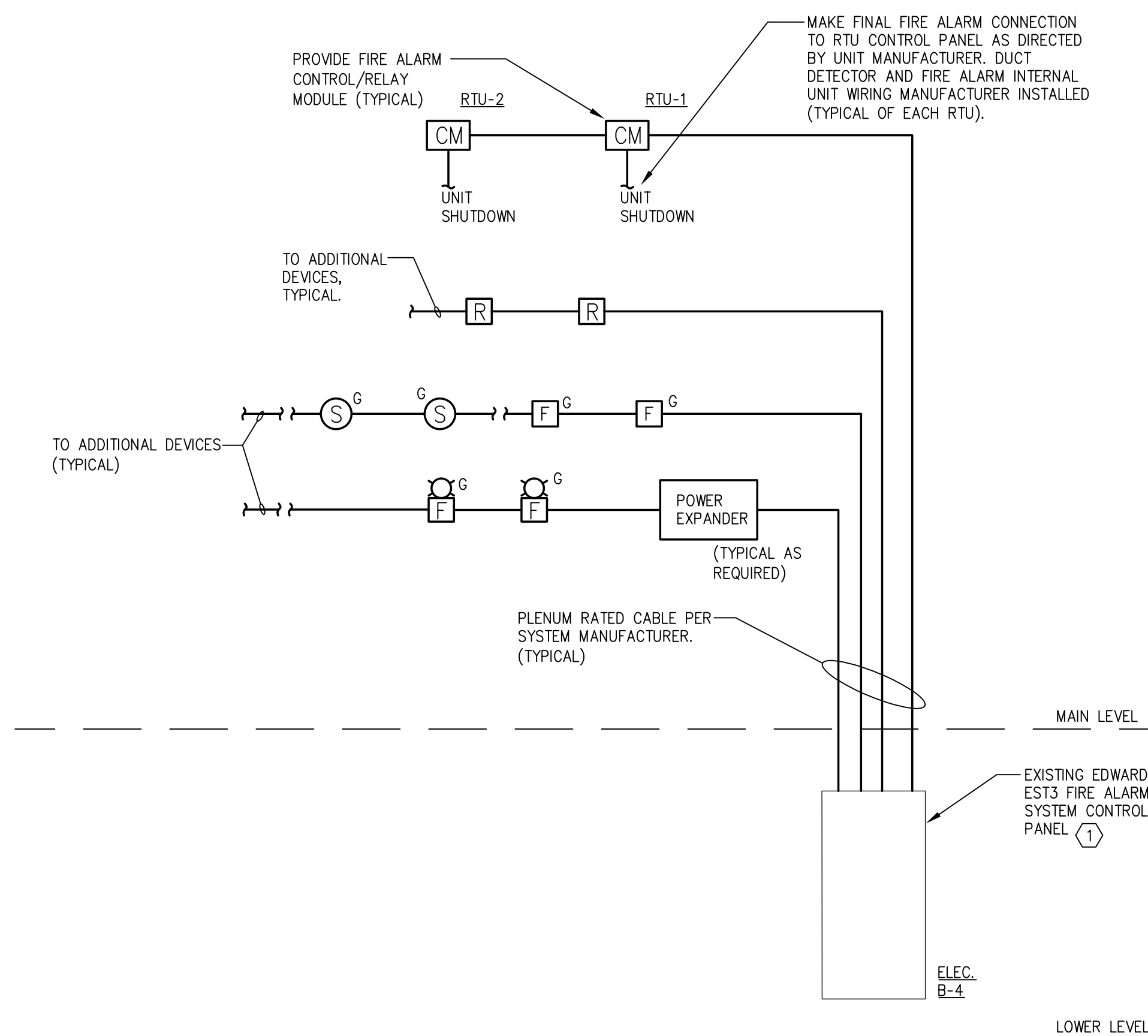
4 CAFETERIA LIGHTING CONTROL DETAIL



3 ALTERNATE EC-1
CAFETERIA LIGHTING CONTROL DETAIL
VHS-E500 SCALE: NONE

TYPE	DESCRIPTION	LAMPS	VOLTAGE	MOUNTING	CEILING TYPE	MANUFACTURERS	NOTES
L1	NOMINAL 2' X 4' LED HIGH BAY TROFFER (3) LED LIGHT BARS, RUGGED ALUMINUM MATTE WHITE HOUSING. GLOSS WHITE WIRE GUARD OVER HOUSING. nLIGHT nMSI360D INTEGRAL 360 DEGREE HIGH MOUNT MOTION SENSOR WITH DIMMING, PRE-WIRED. nLIGHT N80 CONTROL, ELDOLED DIMMING DRIVER 0-10V CONTINUOUS DIMMING DRIVER DOWN TO 1% STANDARD EFFICIENCY.	LED 102 WATTS, 18000 LUMENS, 90+ CRI, 4000K TEMPERATURE	120V	(2) FACTORY 10' V AIRCRAFT CABLES PER FIXTURE TO UNI-STRUT	EXPOSED STRUCTURE	LITHONIA "BG SERIES" OR EQUAL BY METALUX OR HUBBELL	AIRCRAFT CABLES MOUNT FIXTURES FROM UNI-STRUT TO FLUSH WITH ACOUSTIC BAFFLES ~26"-0" AFF
L2	NOMINAL 2' X 4' RECESS MOUNTED LED VOLUMETRIC TROFFER WITH CURVED SMOOTH CENTER ACRYLIC LENS, BAKED WHITE ENAMEL STEEL HOUSING AND ALUMINUM DOOR FRAME WITH MITERED CORNERS. nLIGHT INTEGRAL PIR OCCUPANCY SENSOR, nLIGHT N80 CONTROL, ELDOLED DIMMING DRIVER 0-10V CONTINUOUS DIMMING DRIVER DOWN TO 1% STANDARD EFFICIENCY.	LED 39 WATT, 4000 LUMENS, 82 CRI, 4000K TEMPERATURE	120V	RECESSED	ACT GRID	LITHONIA LIGHTING "ZBLT2 SERIES" OR EQUAL BY COOPER OR HUBBELL	
L2 (ALT EC-1)	NOMINAL 2-1/4" WIDE X 46" LENGTH RECESS MOUNTED LED FIXTURE WITH FLAT FROSTED ACRYLIC LENS, STEEL HOUSING AND DIRECT DOWNLIGHT OPTICS. LED DIMMING DRIVER 0-10V CONTINUOUS DIMMING DRIVER DOWN TO 1% STANDARD EFFICIENCY.	LED 39 WATT, 3418 LUMENS, 90 CRI, 4000K TEMPERATURE	120V	RECESSED	ACT GRID	A-LITE "ACL5 SERIES" OR EQUAL BY COOPER OR HUBBELL	
L3	NOMINAL 2' X 4' RECESS MOUNTED LED CLEAN ROOM TROFFER WITH CLEAR ACRYLIC LENS, HIGH STRENGTH DOUBLE SIDED ADHESIVE LENS GASKET, AND CLOSED CELL GASKET SEALS BETWEEN FIXTURE AND T-GRID. FIXTURE FITTED WITH STANDARD UNIVERSAL 120-277V DRIVER WITH 0-10V DIMMING TO 10% STANDARD. IP66 WASHDOWN PROOF RATED	LED 41 WATT, 4581 LUMENS, 80 CRI, 4000K TEMPERATURE	120V	RECESSED	ACT GRID	COOPER LIGHTING "FSP24 SERIES" OR EQUAL BY LITHONIA OR HUBBELL	
EM1	WHITE STEEL EMERGENCY LIGHTING UNIT WITH TOP MOUNTED ADJUSTABLE AIMABLE TWIN LED LAMP HEADS, SELF-DIAGNOSTICS, INTEGRAL NICKEL-CADMIUM BATTERY 90 MINUTE MINIMUM EMERGENCY OPERATION.	2-7W/12V LED MR16 HEADS	120 VAC/ 12 VDC	SURFACE WALL	-	ISOLITE "ELS LED" OR EQUAL BY SURE-LITES OR MCHPILLBEN	
EM2	WHITE SEALED OPTIC LED EMERGENCY LIGHT, LISTED FOR WET LOCATIONS. FULLY AJUSTABLE LAMP-HEADS INSIDE FULLY GASKETED SHELDED HOUSING.	2-1.4W/3.5V LED HEADS	120 VAC/ 3.5 VDC	SURFACE WALL	-	HUBBEL "CU250" OR EQUAL BY SURE-LITES OR MCHPILLBEN	

2 LIGHTING FIXTURE SCHEDULE
YHS-E500 SCALE: NONE



1 FIRE ALARM RISER DIAGRAM
YHS-E501 SCALE: NONE



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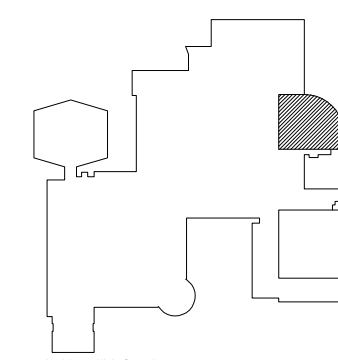
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SED CONTROL NUMBERS	
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99	100

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DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

YORKTOWN HIGH SCHOOL
2727 CROMPOND RD.
YORKTOWN HEIGHTS, NY 10598

REVISIONS

[illegible]

ISSUED: BID ISSUE

DATE: 10/25/2021

SCALE: AS NOTED

SHEET NAME:
RISER DIAGRAMS &
DETAILS

SHEET NUMBER:

YHS-E500

L

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1

DESIGN DATA:

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
A) 2015 INTERNATIONAL BUILDING CODE WITH NEW YORK STATE SUPPLEMENT.
B) ACT 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

1. DEAD LOADS

SELF WEIGHT +
FLOORS: 15 PSF
CEILING: 10 PSF
RTU-4: 8776.2 LBS
RTU-5: 8776.2 LBS

2. SEISMIC

RISK CATEGORY: III
SEISMIC IMPORTANCE FACTOR: 1.25
Ss: 0.251g
S1: 0.071g
SITE CLASS: C (FROM GEOTECH REPORT)
Sds: 0.201g
Sd1: 0.080g
SEISMIC DESIGN CATEGORY: B

3. WIND LOADS

BASIC WIND SPEED: 115 MPH (3-second gust)
RISK CATEGORY: III
EXPOSURE CATEGORY: B
INTERNAL PRESSURE COEFFICIENT (GCpi): ±0.18

4. SNOW LOADS

GROUND SNOW LOAD: 30 PSF
SNOW EXPOSURE FACTOR: 1.0
THERMAL FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
MINIMUM FLAT ROOF SNOW LOAD: 21 PSF
DESIGN FLAT ROOF SNOW LOAD: 30 PSF

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.

2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.

2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

MEMBER	A.S.T.M.	MIN. STRENGTH
ROLLED SHAPES	A992	50 KSI
PLATES, CHANNELS, & ANGLES	A36	36 KSI
CONNECTION BOLTS	A325	92 KSI
ANCHOR BOLTS	F1554	---
THREADED BOLTS	A36	36 KSI
NON-SHRINK GROUT	C1107	8,000 PSI

3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.

4. MOMENT CONNECTIONS DENOTED THUS (►) ON PLAN. SEE TYPICAL DETAILS.

5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.

6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SPECIAL INSPECTION SCHEDULE: FABRICATORS

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT	FREQUENCY	
		CONTINUOUS	PERIODIC
1. VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES:	-	-	X
A. STEEL CONSTRUCTION	-	-	X
B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)	-	-	X
C. WOOD CONSTRUCTION	NA	-	X
D. COLD FORMED METAL CONSTRUCTION	-	-	X
E. OTHER CONSTRUCTION	-	-	X

SPECIAL INSPECTION SCHEDULE: STRUCTURAL STEEL CONSTRUCTION

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT	FREQUENCY	
		CONTINUOUS	PERIODIC
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	X
2. INSPECTION OF HIGH STRENGTH BOLTING.			
A. SNUG-TIGHT JOINTS.	-	-	X
B. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	NA	-	X
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	NA	X	-
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS AND AISC360	-	-	X
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	-	-	X
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS.			
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	X
5. INSPECTION OF WELDING, STRUCTURAL STEEL:			
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	NA	X	-
B. MULTIPASS FILLET WELDS	NA	X	-
C. SINGLE-PASS FILLET WELDS > 5/16"	NA	X	-
D. SINGLE-PASS FILLET WELDS (< OR =) 5/16"	-	-	X
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.			
A. DETAILS SUCH AS BRACING AND STIFFENING	-	-	X
B. MEMBERS LOCATIONS	-	-	X
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	-	-	X

NOTE: ALL STRUCTURAL STEEL WORK BY MECHANICAL CONTRACTOR

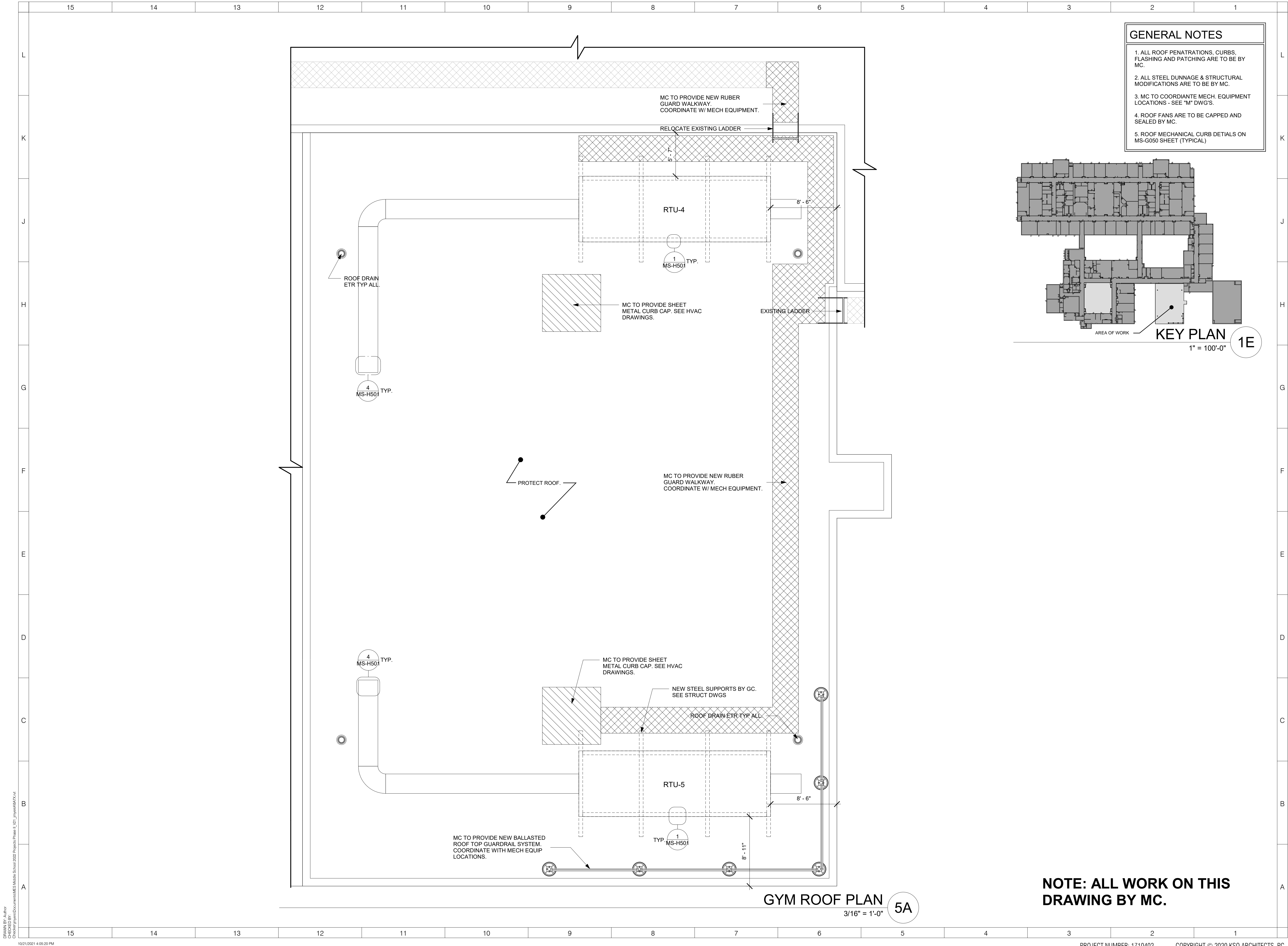
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YHS - #66-24-02-06-0-005-028
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CES - #66-24-02-06-0-003-022
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BES - #66-24-02-06-0-002-020

REGISTERED ARCHITECT
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DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

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REVISIONS

No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/7/2019
SCALE: As indicated
SHEET NAME: GYMNASIUM ROOF PLAN - NEW WORK
SHEET NUMBER: MS-A402

Architectural drawing showing the Gymnasium HVAC Removal Plan. The plan includes a central area labeled "GYMNASIUM" with a dashed outline and a note "B-18". Surrounding the gymnasium are various rooms and corridors, including a "VEST." (B-17) and "ENTRY # 15". The drawing shows the removal of existing HVAC equipment, including air handlers, exhaust fans, and piping. Keyed notes (R1, R2, R3, R4) specify removal tasks. A general note states: "THE CONTRACTOR SHALL PROTECT EXISTING SERVICES AND EQUIPMENT DURING THE WORK." A scale bar indicates 1/8" = 1'-0". A professional engineer's stamp is present in the bottom right corner, dated 2024.10.25.

GENERAL NOTES

1 THE CONTRACTOR SHALL PROTECT EXISTING SERVICES AND EQUIPMENT DURING THE WORK.

REMOVAL KEYED NOTES:

R1 REMOVE EXISTING AIR HANDLER AND ALL ASSOCIATED DUCTWORK BACK TO EXTENT OF THE ROOM. REMOVE EXISTING CEILING SUPPORTS. REMOVE PIPING BACK TO MAIN AND CAP. REMOVE EXISTING CONTROL WIRING. PREPARE PIPING FOR NEW INSTALLATION.

R2 REMOVE EXISTING EXHAUST FAN. MC TO PROVIDE AND INSTALL CAP AND INSULATION ON EXISTING ROOF CURB. EXISTING FLASHING ON FAN CURB IS HOT WITH ASBESTOS, AVOID CONTACT. REFER TO DETAIL 8/MS-H501

R3 DISCONNECT AND REMOVE EXISTING FIN TUBE HEATERS AND ASSOCIATED HOT WATER SUPPLY/RETURN PIPING

R4 EXISTING O.A. LOUVERS TO BE REMOVED BY M.C. G.C. TO PROVIDE NEW WINDOWS TO MATCH EXISTING

GYMNASIUM HVAC REMOVAL PLAN

SCALE: 1/8" = 1'-0"

Professional Engineer's Stamp: STATE OF NEW YORK, RICHARD REIS SANDOZ, No. 0137165, 2024.10.25

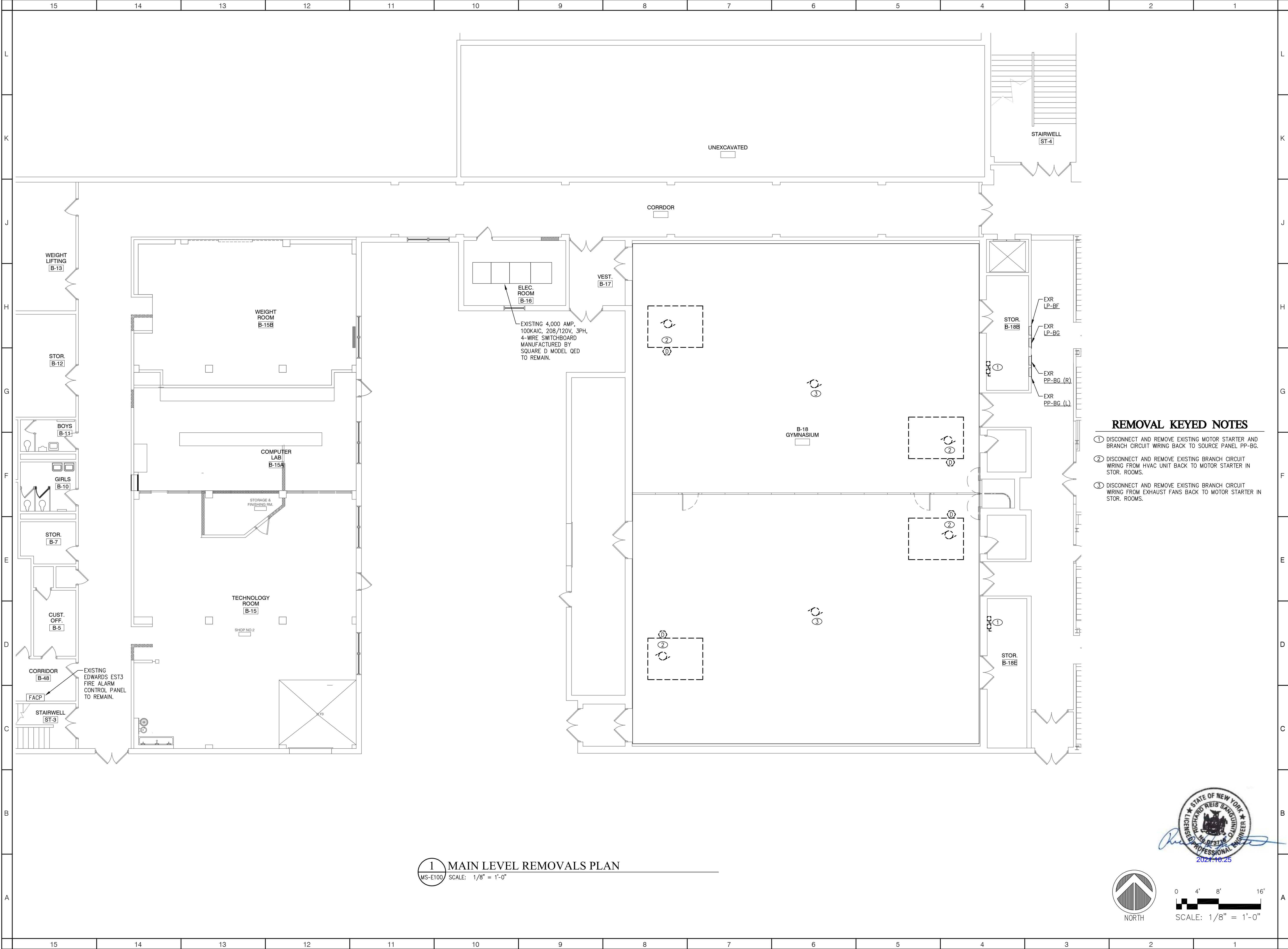


CAFE ROOFTOP UNIT SEQUENCE OF OPERATIONS

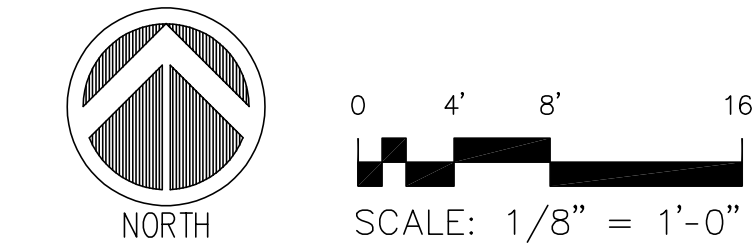
SCALE: NTS



MS-H701



1 MAIN LEVEL REMOVALS PLAN
MS-E100 SCALE: 1/8" = 1'-0"



- REMOVAL KEYED NOTES**
- ① DISCONNECT AND REMOVE EXISTING MOTOR STARTER AND BRANCH CIRCUIT WIRING BACK TO SOURCE PANEL PP-BG.
 - ② DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING FROM HVAC UNIT BACK TO MOTOR STARTER IN STOR. ROOMS.
 - ③ DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING FROM EXHAUST FANS BACK TO MOTOR STARTER IN STOR. ROOMS.

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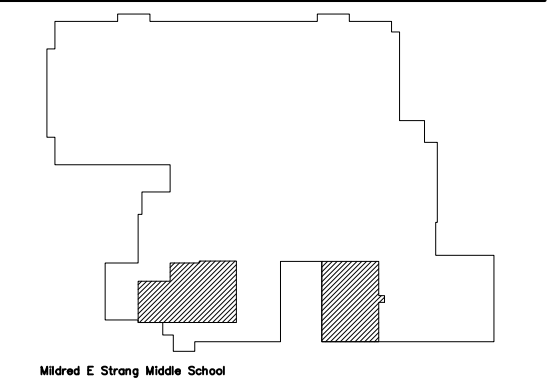
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MES -	#66-24-02-06-0-004-025
BES -	#66-24-02-06-0-002-020



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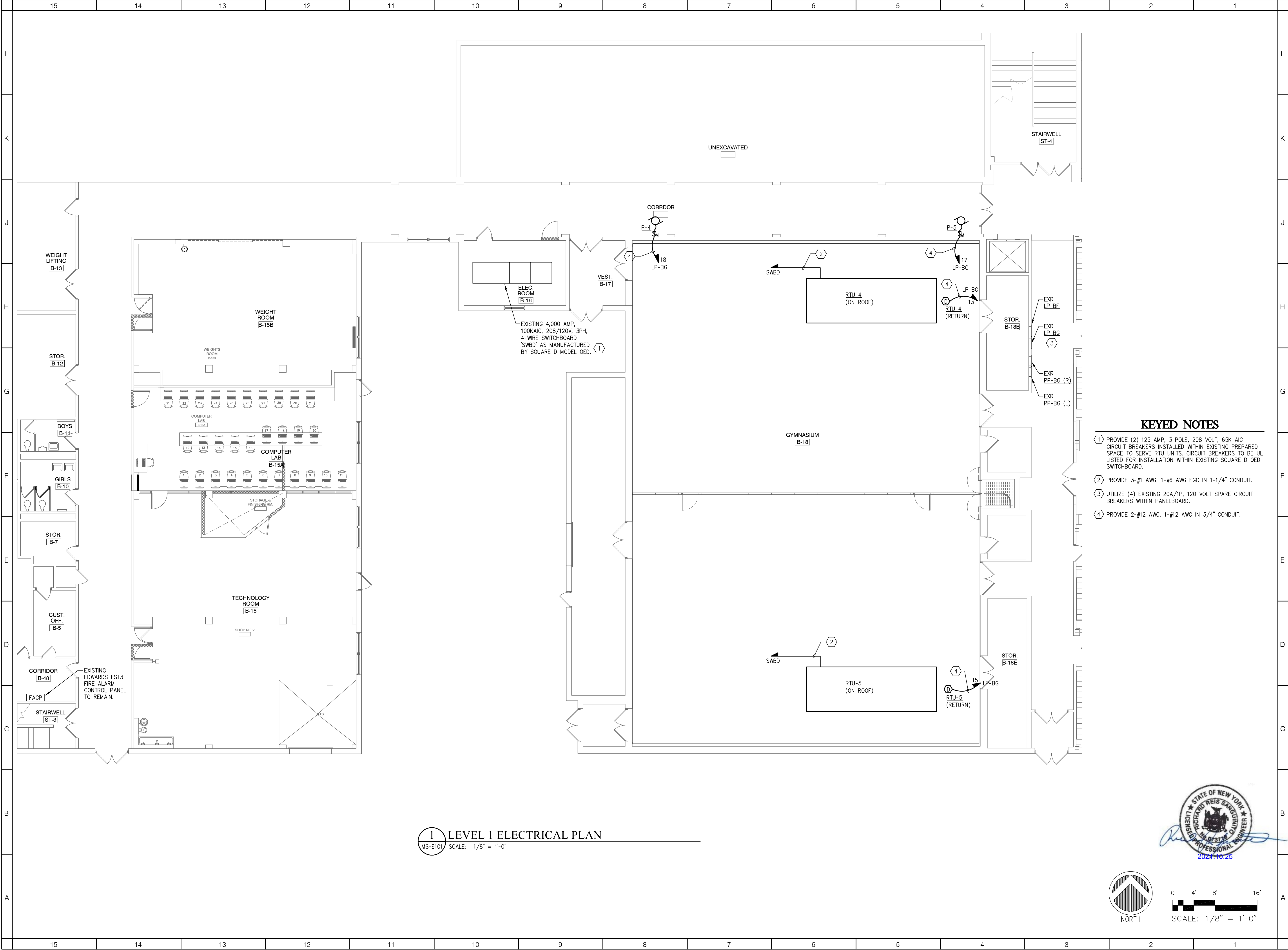
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REVISIONS

No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME:
MAIN LEVEL
REMOVALS PLAN

SHEET NUMBER:
MS-E100



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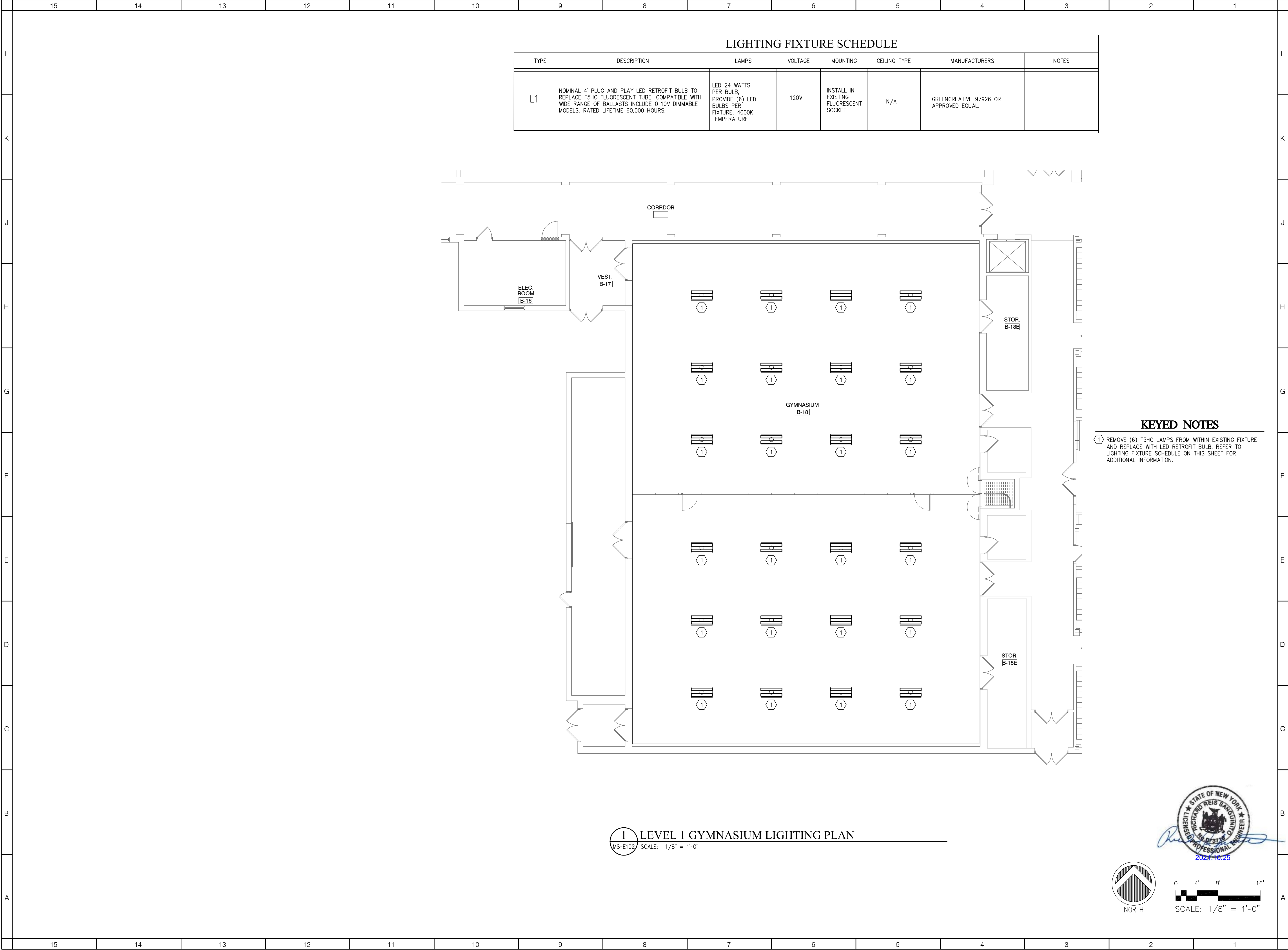
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REVISIONS

No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME: MAIN LEVEL POWER & SYSTEMS PLAN
SHEET NUMBER: MS-E101



LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	LAMPS	VOLTAGE	MOUNTING	CEILING TYPE	MANUFACTURERS	NOTES
L1	NOMINAL 4' PLUG AND PLAY LED RETROFIT BULB TO REPLACE T5HO FLUORESCENT TUBE. COMPATIBLE WITH WIDE RANGE OF BALLASTS INCLUDE 0-10V DIMMABLE MODELS. RATED LIFETIME 60,000 HOURS.	LED 24 WATTS PER BULB, PROVIDE (6) LED BULBS PER FIXTURE, 4000K TEMPERATURE	120V	INSTALL IN EXISTING FLUORESCENT SOCKET	N/A	GREENCREATIVE 97926 OR APPROVED EQUAL.	

KEYED NOTES

① REMOVE (6) T5HO LAMPS FROM WITHIN EXISTING FIXTURE AND REPLACE WITH LED RETROFIT BULB. REFER TO LIGHTING FIXTURE SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.

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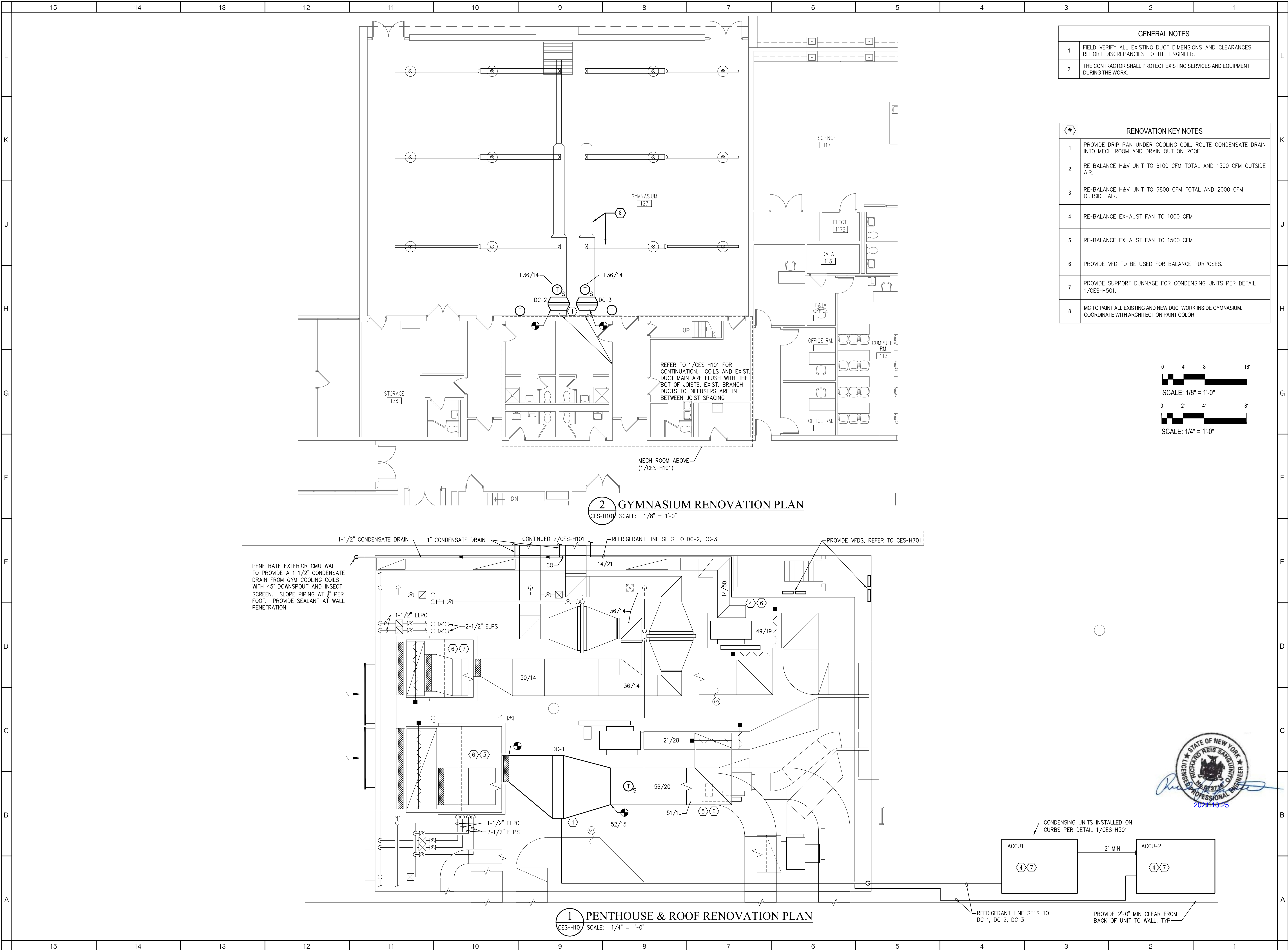
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SCALE: AS NOTED
SHEET NAME: MAIN LEVEL GYMNASIUM LIGHTING PLAN
SHEET NUMBER: MS-E102



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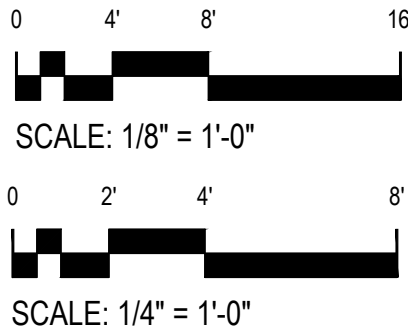
CES-S101

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GENERAL NOTES	
1	FIELD VERIFY ALL EXISTING DUCT DIMENSIONS AND CLEARANCES. REPORT DISCREPANCIES TO THE ENGINEER.
2	THE CONTRACTOR SHALL PROTECT EXISTING SERVICES AND EQUIPMENT DURING THE WORK.

#	RENOVATION KEY NOTES
1	PROVIDE DRIP PAN UNDER COOLING COIL. ROUTE CONDENSATE DRAIN INTO MECH ROOM AND DRAIN OUT ON ROOF.
2	RE-BALANCE H&V UNIT TO 6100 CFM TOTAL AND 1500 CFM OUTSIDE AIR.
3	RE-BALANCE H&V UNIT TO 6800 CFM TOTAL AND 2000 CFM OUTSIDE AIR.
4	RE-BALANCE EXHAUST FAN TO 1000 CFM
5	RE-BALANCE EXHAUST FAN TO 1500 CFM
6	PROVIDE VFD TO BE USED FOR BALANCE PURPOSES.
7	PROVIDE SUPPORT DUNNAGE FOR CONDENSING UNITS PER DETAIL 1/CES-H501.
8	MC TO PAINT ALL EXISTING AND NEW DUCTWORK INSIDE GYMNASIUM. COORDINATE WITH ARCHITECT ON PAINT COLOR



2 GYMNASIUM RENOVATION PLAN
CES-H101 SCALE: 1/8" = 1'-0"

1 PENTHOUSE & ROOF RENOVATION PLAN
CES-H101 SCALE: 1/4" = 1'-0"

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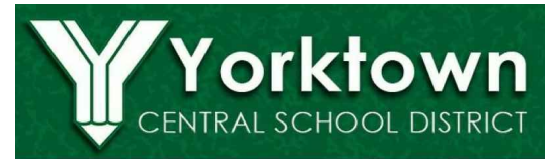
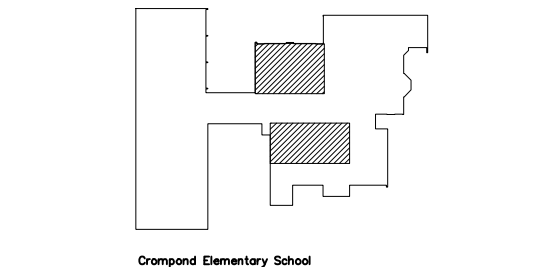
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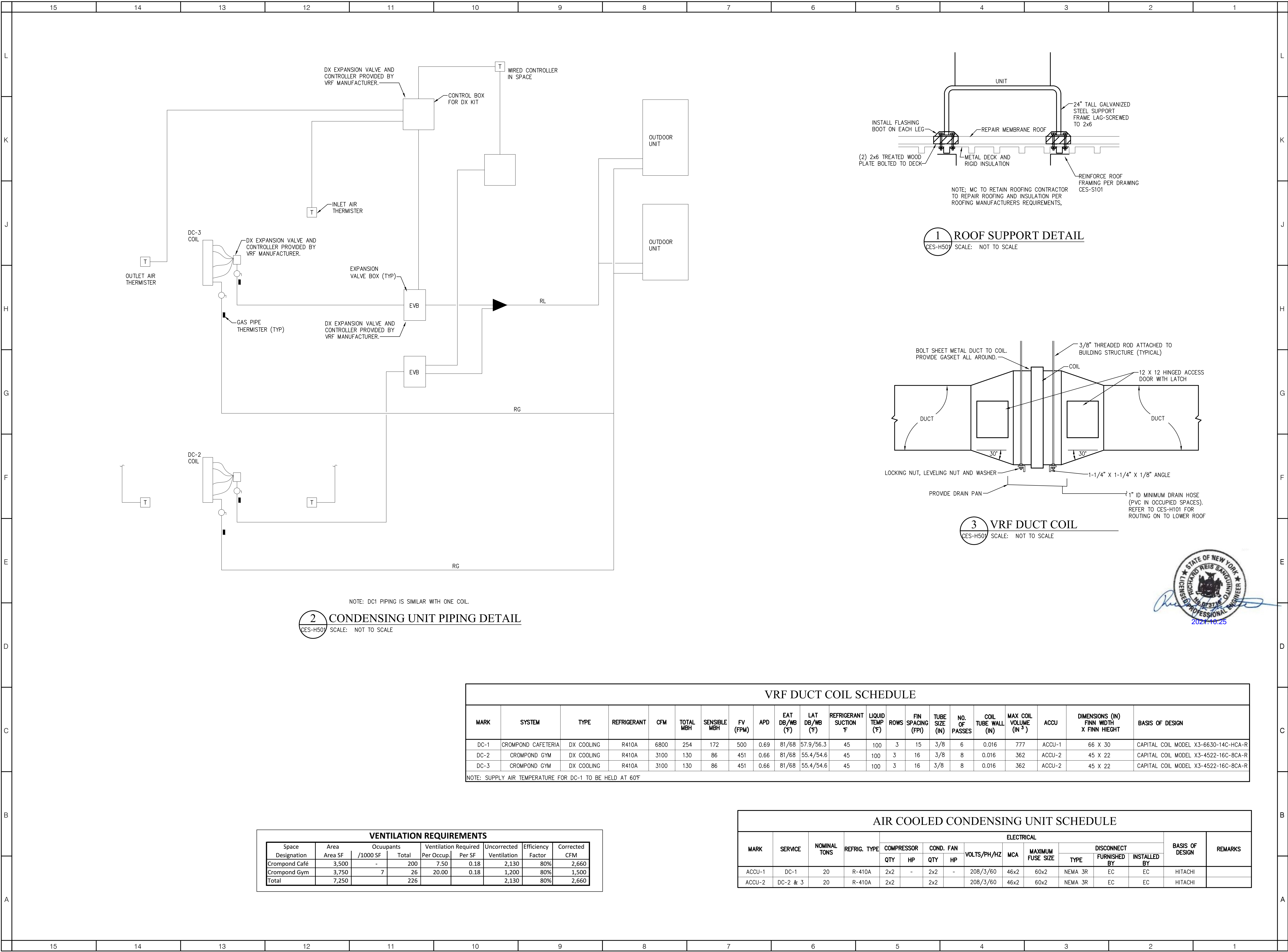
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PHASE II

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REVISIONS		
No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME:
GYMNASIUM & ROOF
RENOVATION PLANS

SHEET NUMBER:
CES-H101



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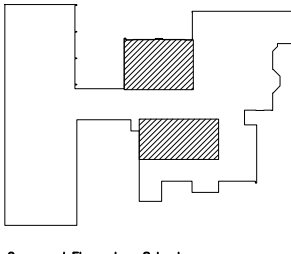
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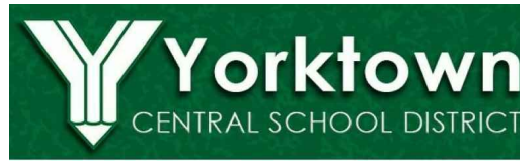
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Crompond Elementary School



YORKTOWN CENTRAL SCHOOL DISTRICT

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

CROMPOND SCHOOL
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REVISIONS

No.	Description	Date

ISSUED: BID ISSUE

DATE: 10/25/2021

SCALE: AS NOTED

SHEET NAME: DETAILS & SCHEDULES

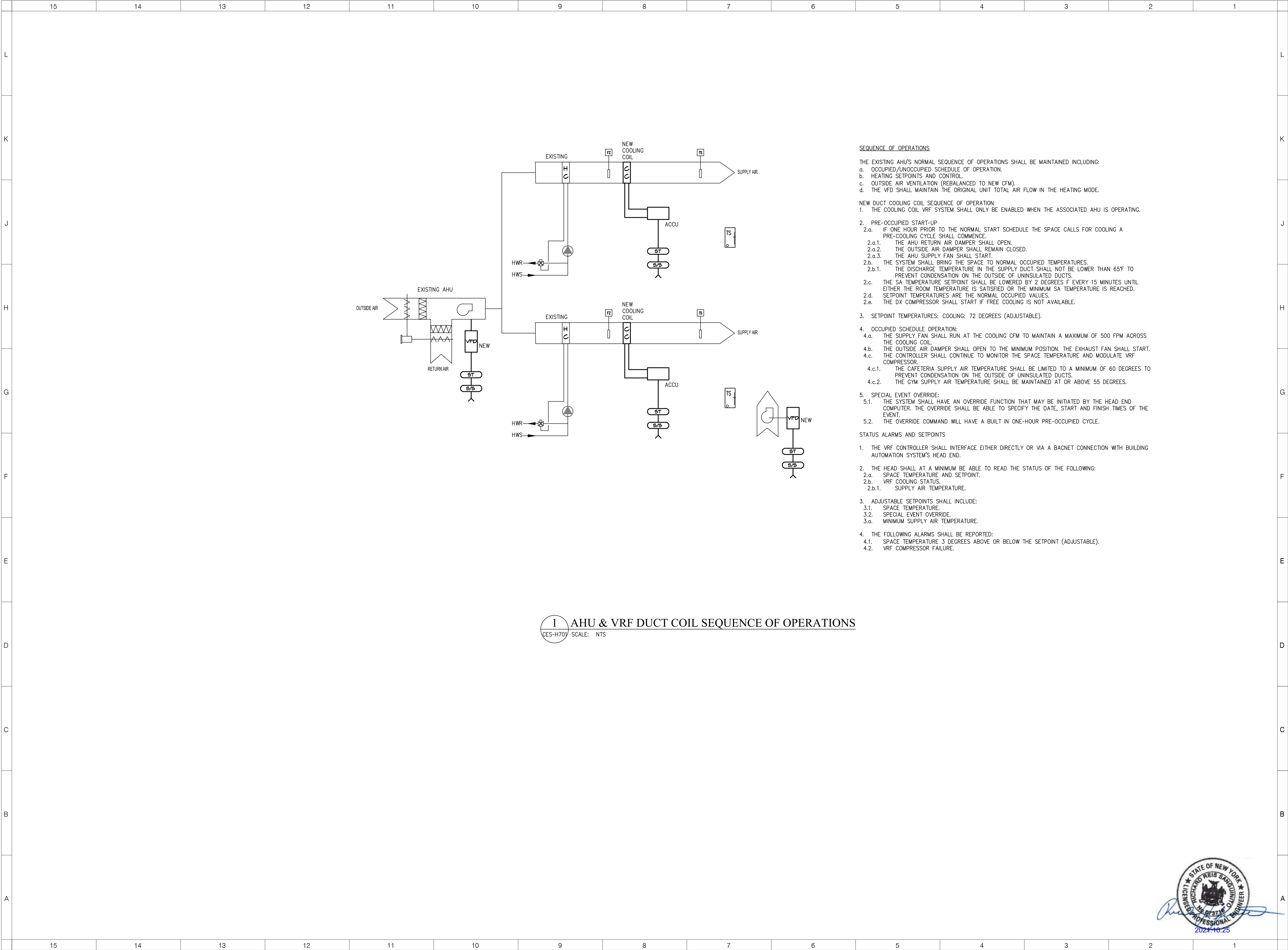
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CES-H501

RELEASED: 10/25/2021

PROJECT NUMBER: 1710402

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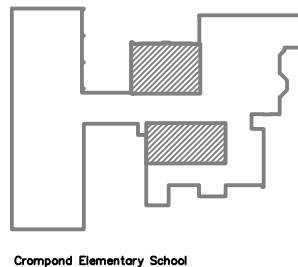
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CES - #66-24-02-06-0-003-022
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BES - #66-24-02-06-0-002-020



DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

CROMPOND SCHOOL
2901 MANOR STREET.
YORKTOWN HEIGHTS, NY
10598

REVISIONS

No.	Description	Date

ISSUED: BID ISSUE

DATE: 10/25/2021

SCALE: AS NOTED

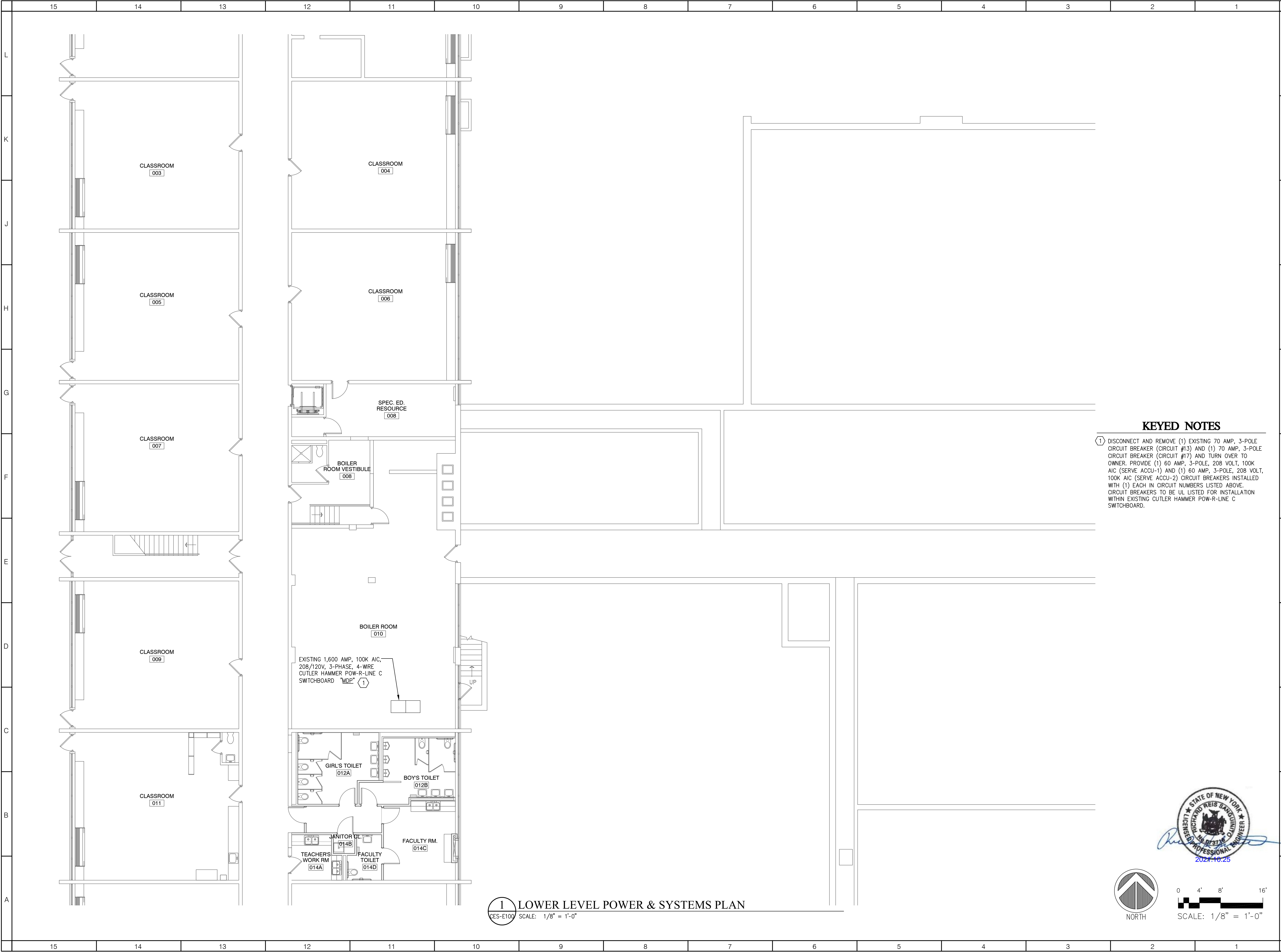
SHEET NAME:
CONTROL DIAGRAMS

SHEET NUMBER:

CES-H701



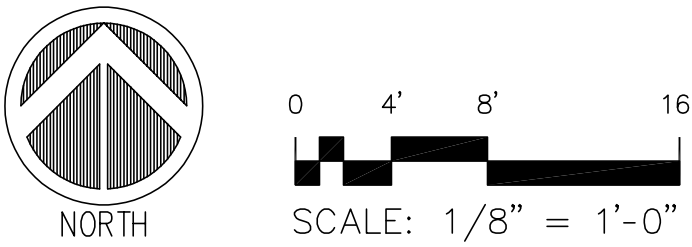
[illegible]



1 LOWER LEVEL POWER & SYSTEMS PLAN
CES-E100 SCALE: 1/8" = 1'-0"

KEYED NOTES

① DISCONNECT AND REMOVE (1) EXISTING 70 AMP, 3-POLE CIRCUIT BREAKER (CIRCUIT #13) AND (1) 70 AMP, 3-POLE CIRCUIT BREAKER (CIRCUIT #17) AND TURN OVER TO OWNER. PROVIDE (1) 60 AMP, 3-POLE, 208 VOLT, 100K AIC (SERVE ACCU-1) AND (1) 60 AMP, 3-POLE, 208 VOLT, 100K AIC (SERVE ACCU-2) CIRCUIT BREAKERS INSTALLED WITH (1) EACH IN CIRCUIT NUMBERS LISTED ABOVE. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING CUTLER HAMMER POW-R-LINE C SWITCHBOARD.



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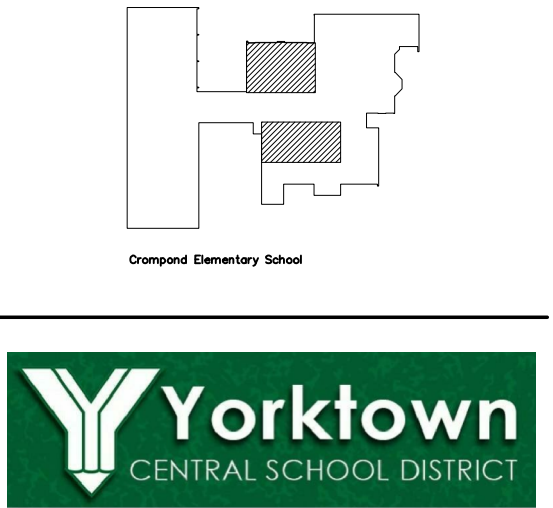
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SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028
MS - #66-24-02-06-0-007-027
CES - #66-24-02-06-0-003-022
MES - #66-24-02-06-0-004-025
BES - #66-24-02-06-0-002-020



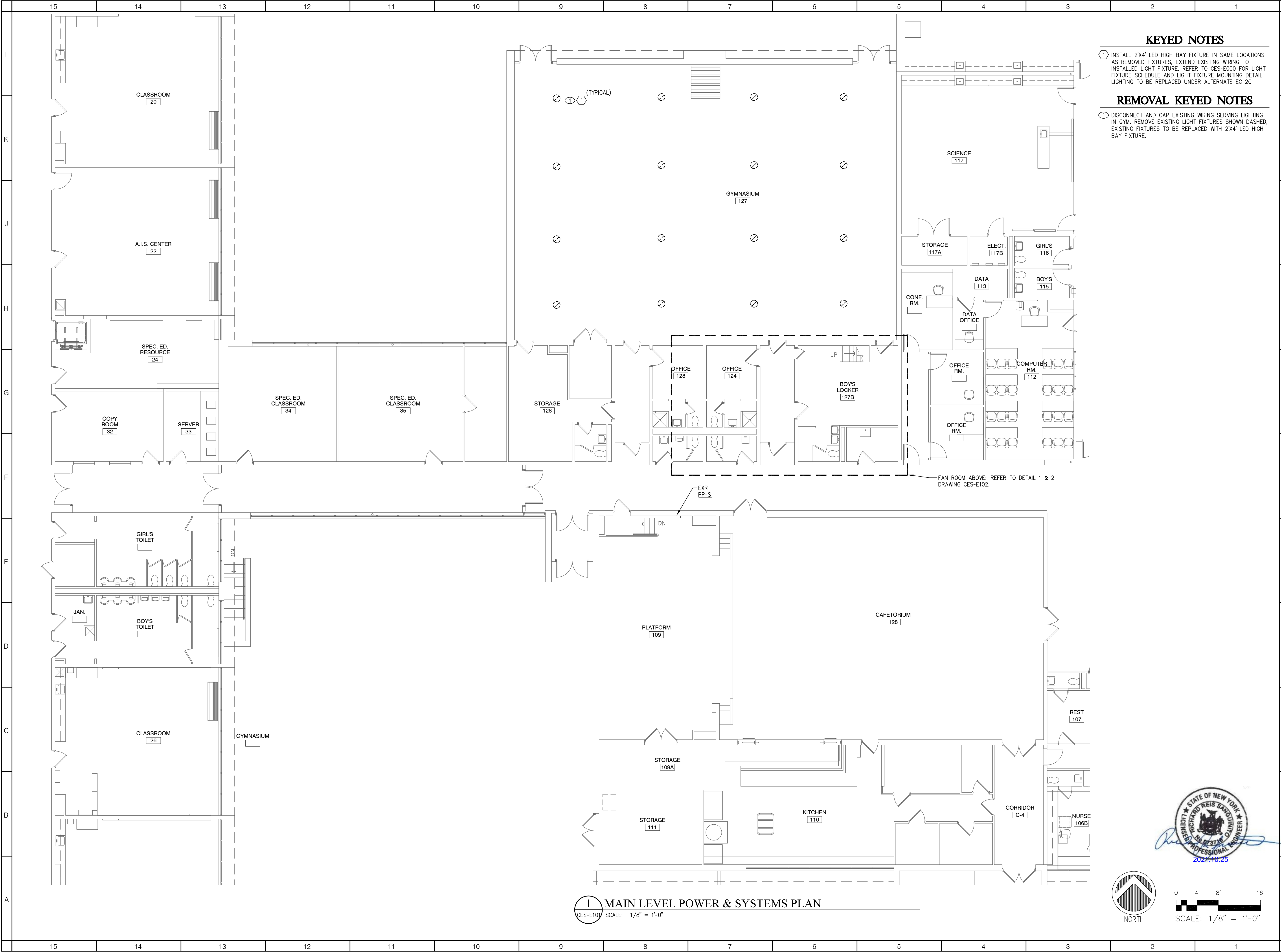
DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

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REVISIONS		
No.	Description	Date

ISSUED: BID ISSUE
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SHEET NAME:
LOWER LEVEL POWER & SYSTEMS PLAN
SHEET NUMBER:

CES-E100



1 MAIN LEVEL POWER & SYSTEMS PLAN
CES-E101 SCALE: 1/8" = 1'-0"


KEYED NOTES

- ① INSTALL 2'X4' LED HIGH BAY FIXTURE IN SAME LOCATIONS AS REMOVED FIXTURES, EXTEND EXISTING WIRING TO INSTALLED LIGHT FIXTURE. REFER TO CES-E000 FOR LIGHT FIXTURE SCHEDULE AND LIGHT FIXTURE MOUNTING DETAIL. LIGHTING TO BE REPLACED UNDER ALTERNATE EC-2C

REMOVAL KEYED NOTES

- ① DISCONNECT AND CAP EXISTING WIRING SERVING LIGHTING IN GYM. REMOVE EXISTING LIGHT FIXTURES SHOWN DASHED, EXISTING FIXTURES TO BE REPLACED WITH 2'X4' LED HIGH BAY FIXTURE.

ARCHITECT



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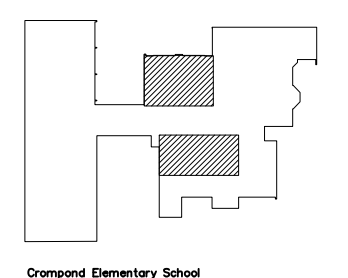
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Crompond Elementary School



Yorktown
CENTRAL SCHOOL DISTRICT

DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

CROMPOND SCHOOL
2901 MANOR STREET.
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10598

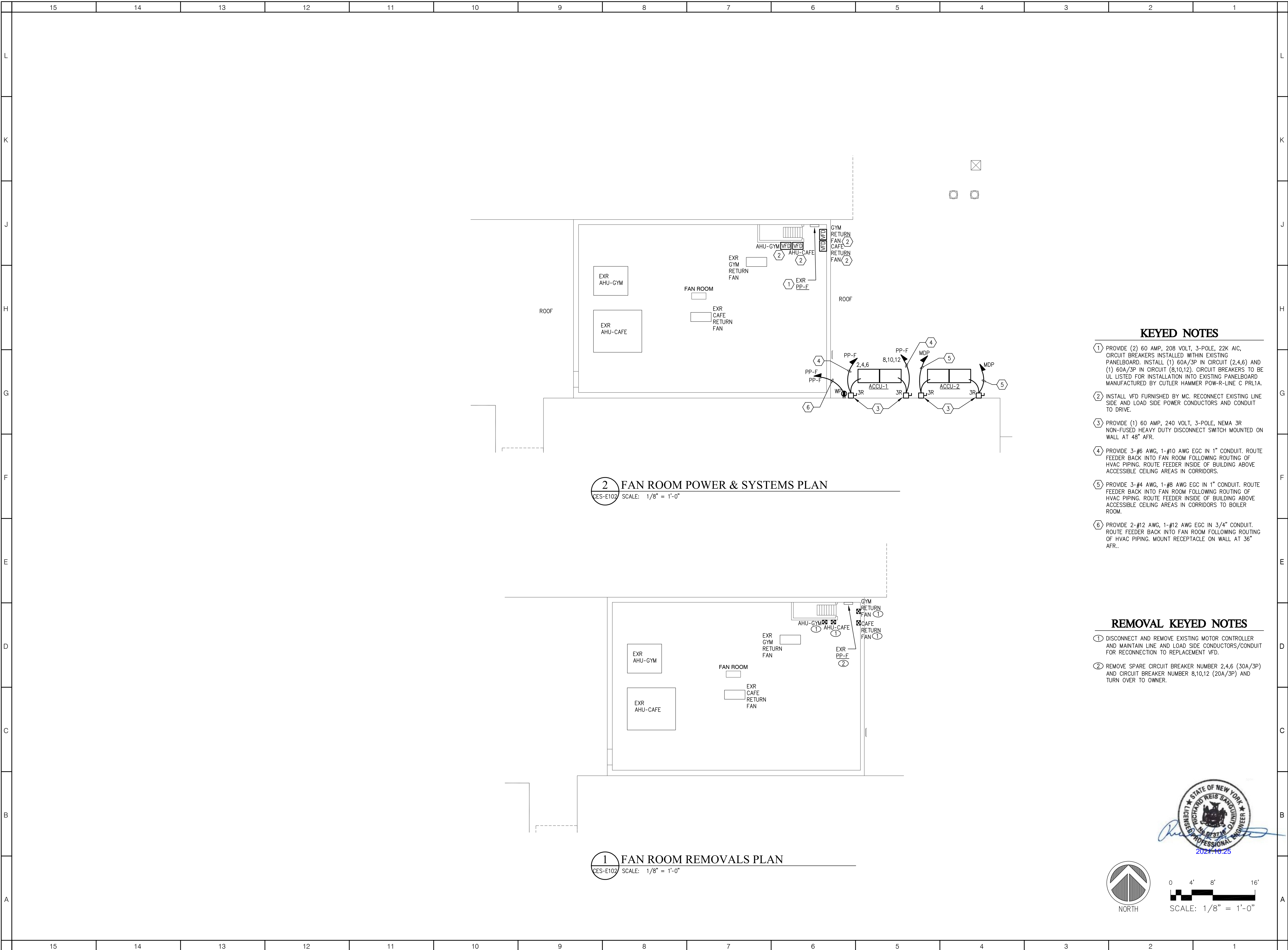
REVISIONS

No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED

SHEET NAME:
MAIN LEVEL
POWER & SYSTEMS PLAN

SHEET NUMBER:
CES-E101

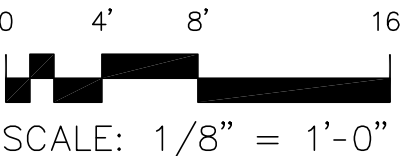


2 FAN ROOM POWER & SYSTEMS PLAN
CES-E102 SCALE: 1/8" = 1'-0"

1 FAN ROOM REMOVALS PLAN
CES-E102 SCALE: 1/8" = 1'-0"

- KEYED NOTES**
- 1 PROVIDE (2) 60 AMP, 208 VOLT, 3-POLE, 22K AIC, CIRCUIT BREAKERS INSTALLED WITHIN EXISTING PANELBOARD. INSTALL (1) 60A/3P IN CIRCUIT (2,4,6) AND (1) 60A/3P IN CIRCUIT (8,10,12). CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION INTO EXISTING PANELBOARD MANUFACTURED BY CUTLER HAMMER POW-R-LINE C PRL1A.
 - 2 INSTALL VFD FURNISHED BY MC. RECONNECT EXISTING LINE SIDE AND LOAD SIDE POWER CONDUCTORS AND CONDUIT TO DRIVE.
 - 3 PROVIDE (1) 60 AMP, 240 VOLT, 3-POLE, NEMA 3R NON-FUSED HEAVY DUTY DISCONNECT SWITCH MOUNTED ON WALL AT 48" AFR.
 - 4 PROVIDE 3-#6 AWG, 1-#10 AWG EGC IN 1" CONDUIT. ROUTE FEEDER BACK INTO FAN ROOM FOLLOWING ROUTING OF HVAC PIPING. ROUTE FEEDER INSIDE OF BUILDING ABOVE ACCESSIBLE CEILING AREAS IN CORRIDORS.
 - 5 PROVIDE 3-#4 AWG, 1-#8 AWG EGC IN 1" CONDUIT. ROUTE FEEDER BACK INTO FAN ROOM FOLLOWING ROUTING OF HVAC PIPING. ROUTE FEEDER INSIDE OF BUILDING ABOVE ACCESSIBLE CEILING AREAS IN CORRIDORS TO BOILER ROOM.
 - 6 PROVIDE 2-#12 AWG, 1-#12 AWG EGC IN 3/4" CONDUIT. ROUTE FEEDER BACK INTO FAN ROOM FOLLOWING ROUTING OF HVAC PIPING. MOUNT RECEPTACLE ON WALL AT 36" AFR.

- REMOVAL KEYED NOTES**
- 1 DISCONNECT AND REMOVE EXISTING MOTOR CONTROLLER AND MAINTAIN LINE AND LOAD SIDE CONDUCTORS/CONDUIT FOR RECONNECTION TO REPLACEMENT VFD.
 - 2 REMOVE SPARE CIRCUIT BREAKER NUMBER 2,4,6 (30A/3P) AND CIRCUIT BREAKER NUMBER 8,10,12 (20A/3P) AND TURN OVER TO OWNER.



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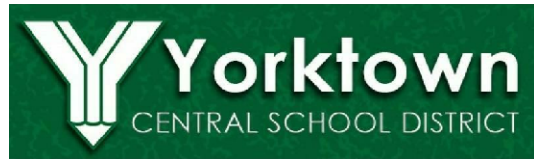
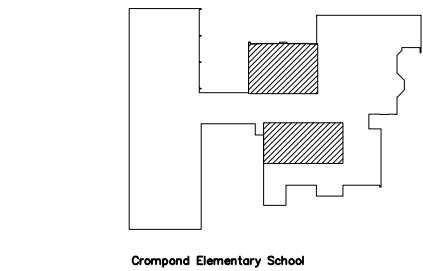
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DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

CROMPOND SCHOOL
2901 MANOR STREET.
YORKTOWN HEIGHTS, NY
10598

REVISIONS		
No.	Description	Date

ISSUED: BID ISSUE

DATE: 10/25/2021

SCALE: AS NOTED

SHEET NAME:
FAN ROOM
POWER & SYSTEMS PLANS

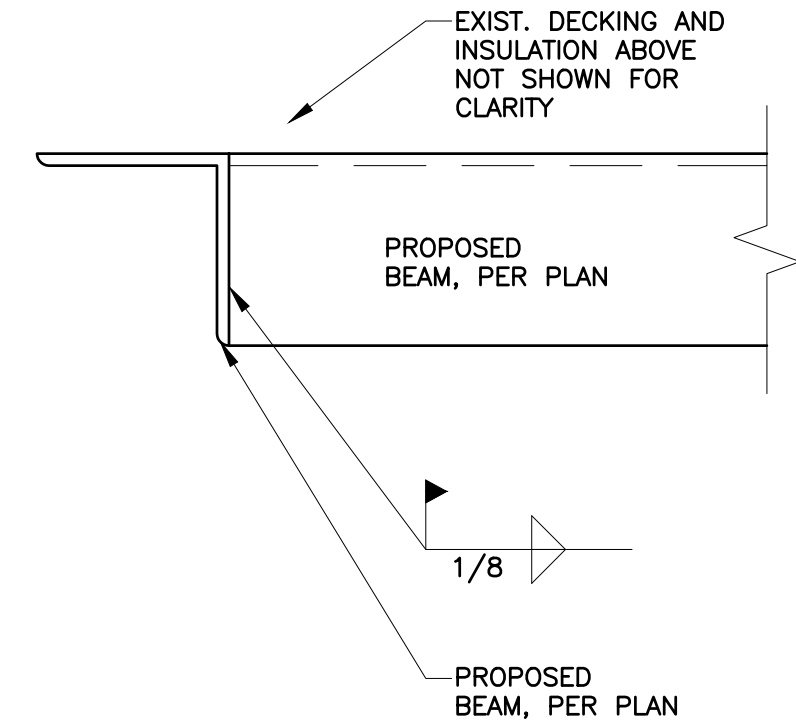
SHEET NUMBER:

CES-E102

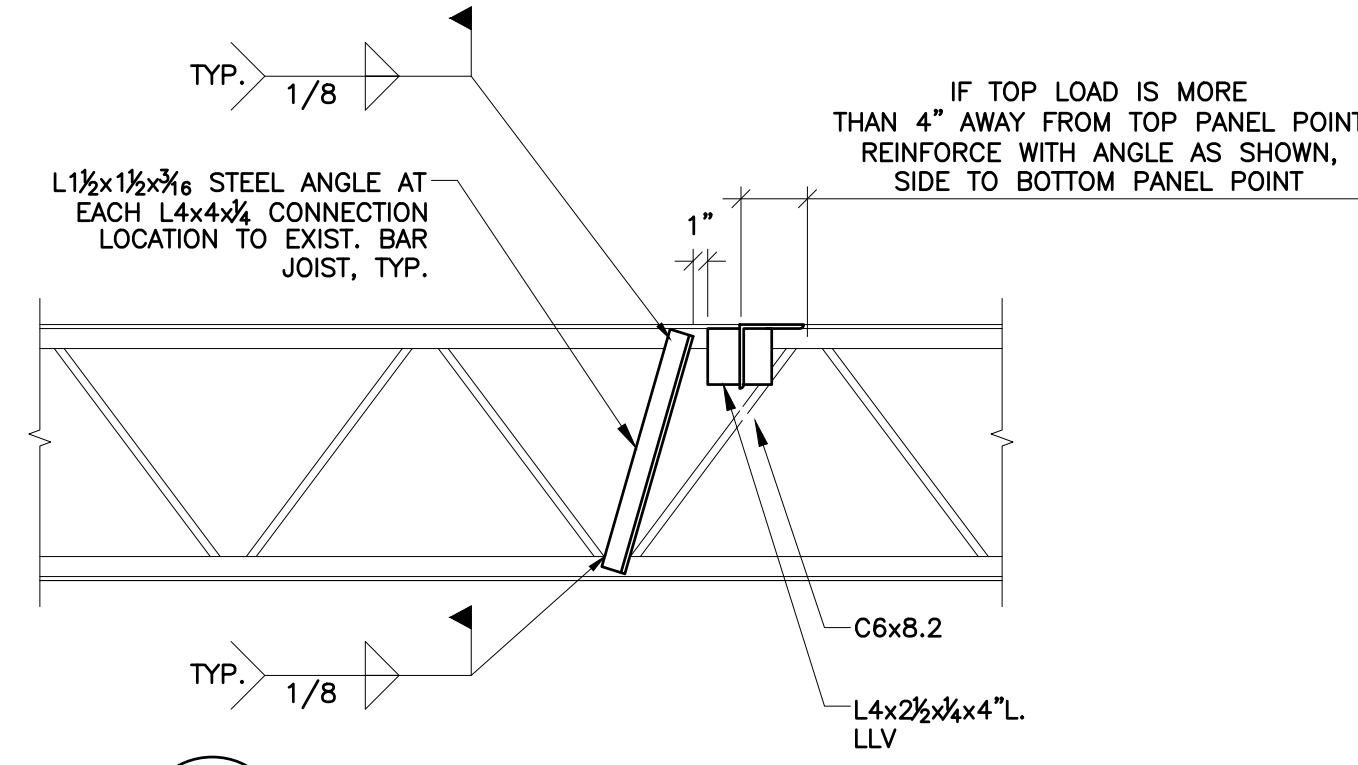


NOTES:

1. COORD. EXACT LOCATIONS OF RTUs w/ MEP DRAWINGS
2. CONTACT THE STRUCTURAL ENGINEER IF AN ALTERNATIVE UNIT IS USED.
3. TOP OF PROPOSED STEEL BEAM TO BE FLUSH w/ BOTTOM OF EXIST. ROOF DECK



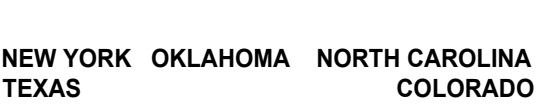
3 TYP. STEEL BEAM-TO-JOIST CONN.
S-101 SCALE: 3"=1'-0"



4 JOIST REINFORCEMENT DETAIL
S-101 SCALE: 1"=1'-0"

NOTE: ALL STRUCTURAL STEEL
WORK BY MECHANICAL
CONTRACTOR

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DISTRICT WIDE IMPROVEMENTS 2020

Mohansic Elementary School
704 Locksley Rd.
Yorktown Heights, NY 10598

REVISIONS

[illegible]

ISSUED: BID ISSUE

DATE: 3/24/2020

SCALE: AS SHOWN

SHEET NAME:

PARITAL ROOF FRAMING PLAN & DETAILS

SHEET NUMBER:

MES-S101

[illegible]

ISSUED: BID ISSUE

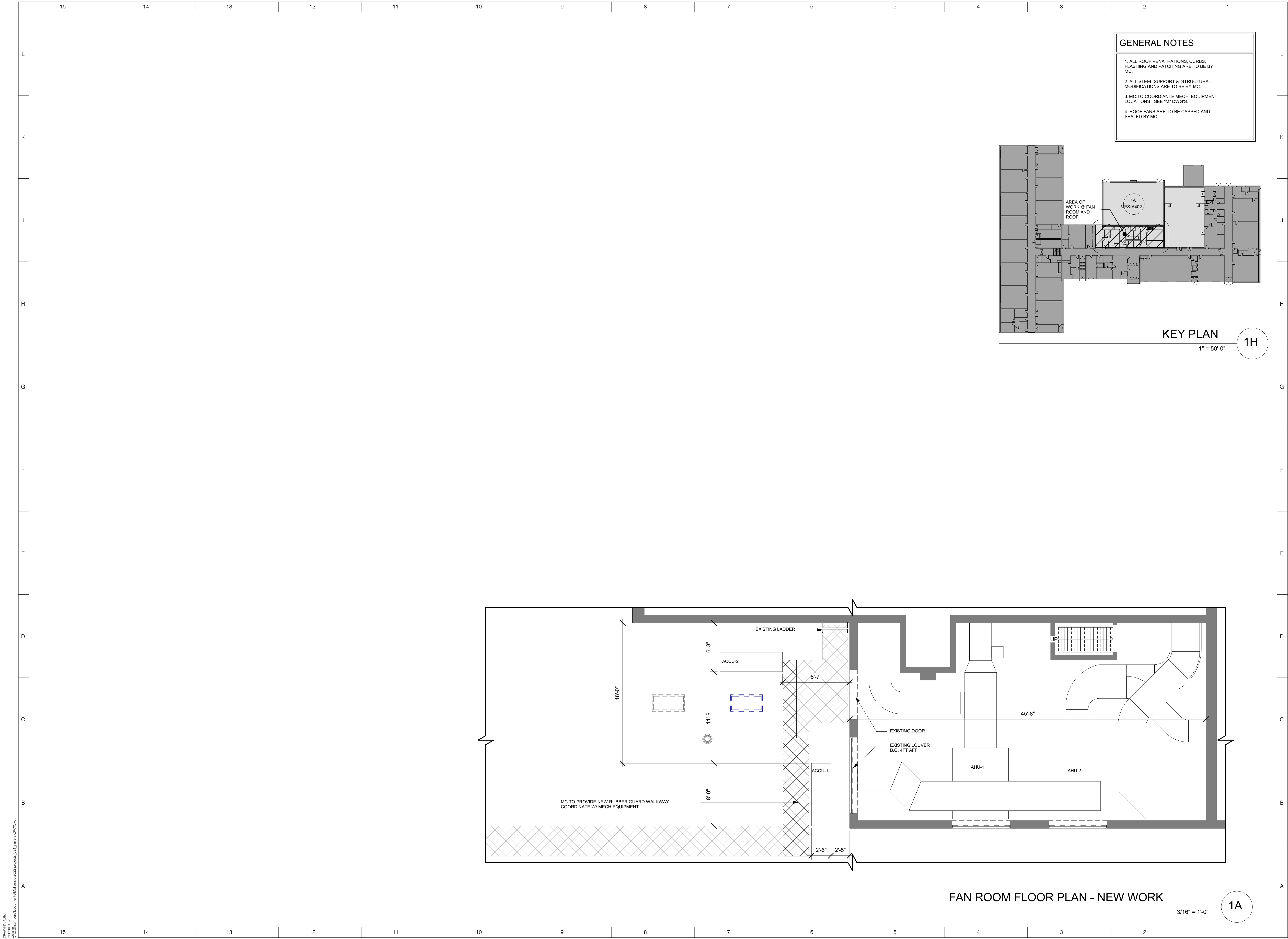
DATE: 3/24/2020

SCALE: As indicated

OVERALL FLOOR PLAN & BUILDING SUMMARY

SHEET NUMBER:

MES-A110



Drawn by: Aris
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10/19/2021 11:40:08 AM

PROJECT NUMBER: 1710402

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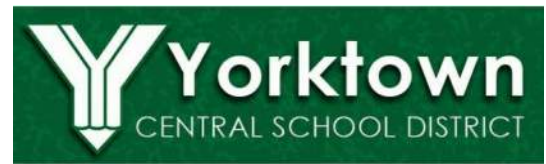
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DISTRICT WIDE
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PHASE II

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704 Locksley Rd.
Yorktown Heights, NY 10598

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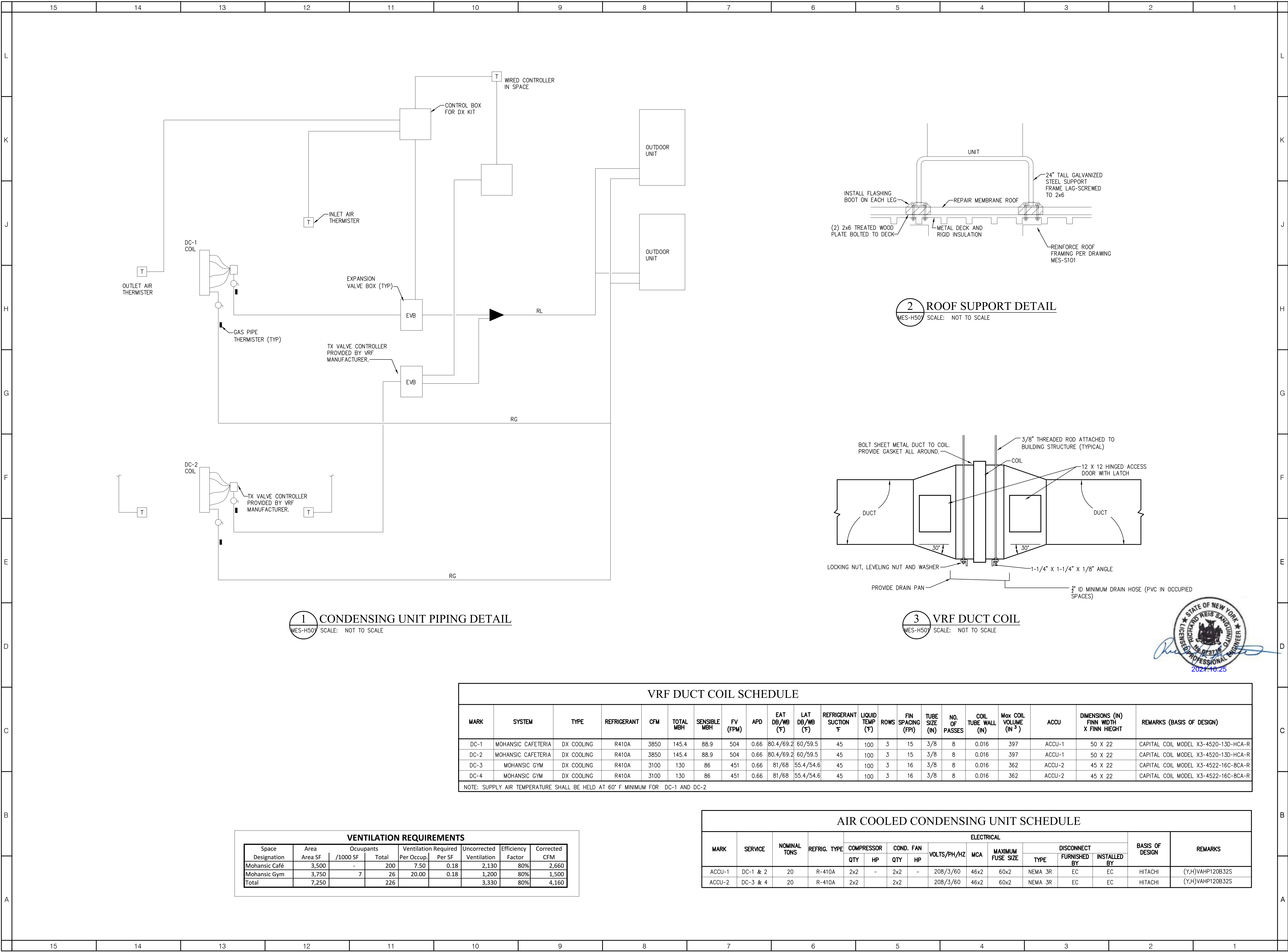
FAN ROOM FLOOR PLAN

SHEET NUMBER:

MES-A402

1

H101



1 CONDENSING UNIT PIPING DETAIL
MES-H501 SCALE: NOT TO SCALE

2 ROOF SUPPORT DETAIL
MES-H501 SCALE: NOT TO SCALE

3 VRF DUCT COIL
MES-H501 SCALE: NOT TO SCALE



VRF DUCT COIL SCHEDULE																					
MARK	SYSTEM	TYPE	REFRIGERANT	CFM	TOTAL MBH	SENSIBLE MBH	FV (FPM)	APD	EAT DB/WB (°F)	LAT DB/WB (°F)	REFRIGERANT SUCTION °F	LIQUID TEMP (°F)	ROWS	FIN SPACING (FPI)	TUBE SIZE (IN)	NO. OF PASSES	COIL TUBE WALL (IN)	Max COIL VOLUME (IN ³)	ACCU	DIMENSIONS (IN) FINN WIDTH X FINN HIEGHT	REMARKS (BASIS OF DESIGN)
DC-1	MOHANSIC CAFETERIA	DX COOLING	R410A	3850	145.4	88.9	504	0.66	80.4/69.2	60/59.5	45	100	3	15	3/8	8	0.016	397	ACCU-1	50 X 22	CAPITAL COIL MODEL X3-4520-13D-HCA-R
DC-2	MOHANSIC CAFETERIA	DX COOLING	R410A	3850	145.4	88.9	504	0.66	80.4/69.2	60/59.5	45	100	3	15	3/8	8	0.016	397	ACCU-1	50 X 22	CAPITAL COIL MODEL X3-4520-13D-HCA-R
DC-3	MOHANSIC GYM	DX COOLING	R410A	3100	130	86	451	0.66	81/68	55.4/54.6	45	100	3	16	3/8	8	0.016	362	ACCU-2	45 X 22	CAPITAL COIL MODEL X3-4522-16C-BCA-R
DC-4	MOHANSIC GYM	DX COOLING	R410A	3100	130	86	451	0.66	81/68	55.4/54.6	45	100	3	16	3/8	8	0.016	362	ACCU-2	45 X 22	CAPITAL COIL MODEL X3-4522-16C-BCA-R
NOTE: SUPPLY AIR TEMPERATURE SHALL BE HELD AT 60° F MINIMUM FOR DC-1 AND DC-2																					

VENTILATION REQUIREMENTS						
Space Designation	Area Area SF	Ocuupants /1000 SF	Total	Ventilation Required Per Occup.	Uncorrected Per SF	Corrected CFM
Mohansic Café	3,500	-	200	7.50	0.18	2,130
Mohansic Gym	3,750	7	26	20.00	0.18	1,200
Total	7,250		226			3,330

AIR COOLED CONDENSING UNIT SCHEDULE													
MARK	SERVICE	NOMINAL TONS	REFRIG. TYPE	ELECTRICAL				DISCONNECT				BASIS OF DESIGN	REMARKS
				COMPRESSOR	COND. FAN	VOLTS/PH/Hz	MCA	MAXIMUM FUSE SIZE	TYPE	FURNISHED BY	INSTALLED BY		
ACCU-1	DC-1 & 2	20	R-410A	2x2	-	2x2	-	208/3/60	46x2	60x2	NEMA 3R	EC	HITACHI
ACCU-2	DC-3 & 4	20	R-410A	2x2	2x2	-	-	208/3/60	46x2	60x2	NEMA 3R	EC	HITACHI

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DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

MOHANSIC ELEMENTARY SCHOOL
704 LOCKSLEY RD.
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REVISIONS

No.	Description	Date

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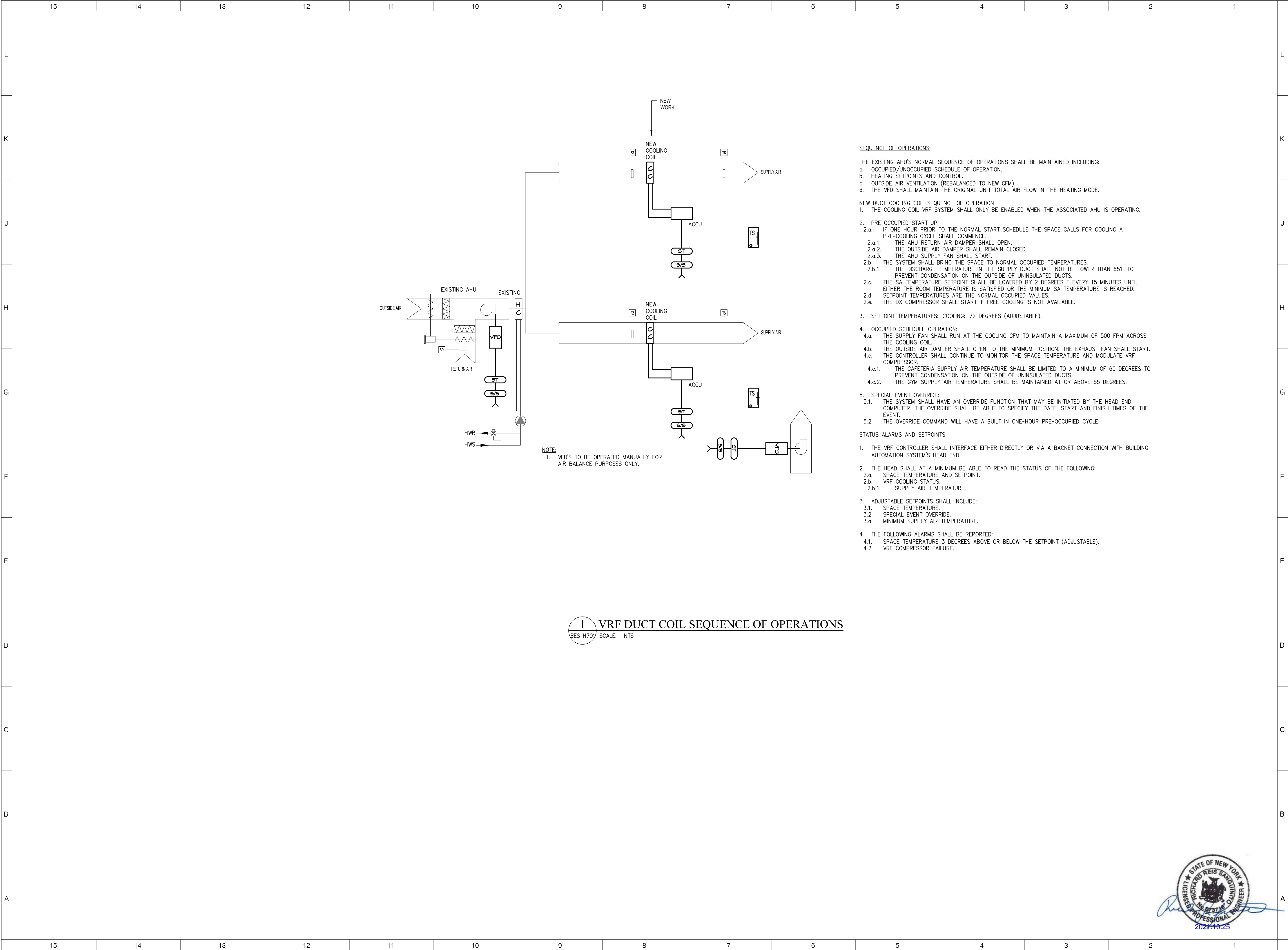
SCALE: AS NOTED

SHEET NAME: DETAILS & SCHEDULES

SHEET NUMBER:

MES-H501

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1 VRF DUCT COIL SEQUENCE OF OPERATIONS
BES-H701 SCALE: NTS

ARCHITECT



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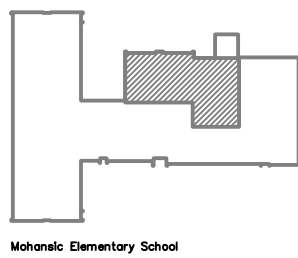
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Mohansic Elementary School



DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

MOHANSIC ELEMENTARY
SCHOOL
704 LOCKSLEY RD.
YORKTOWN HEIGHTS, NY 10598

REVISIONS		
No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME: CONTROL DIAGRAMS

SHEET NUMBER:
MES-H701



15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

REMOVALS

JUNCTION BOX

HVAC STARTER/MOTOR CONTROLLER

DISCONNECT ELECTRIC TO MOTOR AND REMOVE IN ITS ENTIRETY BACK TO SOURCE

EXISTING LIGHT FIXTURE

POWER & SYSTEMS

DISCONNECT SWITCH, RATINGS AS INDICATED ON FLOOR PLANS

FEEDER CONDUIT WITH CONDUCTORS

VARIABLE FREQUENCY DRIVE (FURNISHED BY MECHANICAL, INSTALLED AND POWER WIRING BY EC)

LP-

BRANCH CIRCUIT HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. CAPITAL LETTER WITH NUMERALS INDICATE PANEL DESIGNATION AND NUMERAL INDICATES PANEL CIRCUIT BREAKER NUMBER.

ACCU-*

CONDENSING UNIT (OUTDOOR), (PROVIDED UNDER MC CONTRACT, LINE VOLTAGE WIRING BY EC)

GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE (GFCI) WITH UL LISTED WEATHERPROOF WHILE IN USE COVER.

EXISTING SURFACE MOUNTED PANELBOARD

EXISTING RECESS MOUNTED PANELBOARD

MANUAL DISCONNECT SNAP SWITCH, 2-POLE, 240V

ABBREVIATIONS

ABBREVIATION

DESCRIPTION

AFF

ABOVE FINISHED FLOOR

AFG

ABOVE FINISHED GRADE

AFR

ABOVE FINISHED ROOF

AWG

AMERICAN WIRE GAUGE

BFG

BELOW FINISHED GRADE

C

CONDUIT

CB

CIRCUIT BREAKER

EAHU

EXISTING AIR HANDLING UNIT

EC

ELECTRICAL CONTRACTOR

EGC

EQUIPMENT GROUNDING CONDUCTOR

EXR

EXISTING TO REMAIN

FBO

FURNISHED BY OWNER

FIBO

FURNISHED AND INSTALLED BY OWNER

G

VANDAL GUARD

GC

GENERAL CONTRACTOR

GFI

GROUND FAULT INTERRUPTER

HID

HIGH INTENSITY DISCHARGE (METAL HALIDE)

MC

MECHANICAL CONTRACTOR

NIC

NOT IN CONTRACT

NTS

NOT TO SCALE

RGS

RIGID GALVANIZED STEEL

TYP

TYPICAL

UON

UNLESS OTHERWISE NOTED

WP

WEATHER PROOF WHILE IN USE COVER

MOUNTING HEIGHTS

UNLESS OTHERWISE NOTED, MOUNT DEVICES AND EQUIPMENT AT HEIGHTS MEASURED FROM FINISHED FLOOR TO DEVICE/ EQUIPMENT CENTERLINE AS LISTED BELOW.

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

WHERE STRUCTURAL OR OTHER INTERFERENCE'S PREVENT COMPLIANCE WITH MOUNTING HEIGHTS LISTED BELOW, CONSULT OWNER'S REPRESENTATIVE FOR APPROVAL TO CHANGE LOCATION BEFORE INSTALLATION.

DISCONNECT SWITCH HANDLE, UON 48"

GENERAL NOTES - INSTALLATION

1. NEW BRANCH CIRCUITRY SHALL BE INSTALLED ABOVE CEILING WHERE POSSIBLE, AS HIGH AS POSSIBLE.

2. ALL EQUIPMENT SHOWN ON REMOVALS PLANS SHALL BE REMOVED, UNLESS OTHERWISE NOTED. REMOVE ONLY ASSOCIATED WIRING WITHIN ROOM. ASSOCIATED EXISTING BRANCH CIRCUIT WIRING HOMERUN BACK TO PANEL IN EACH ROOM SHALL REMAIN FOR CONNECTION TO NEW LIGHTING BRANCH CIRCUIT WIRING SHOWN, UNLESS OTHERWISE NOTED.

3. COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES PRIOR TO ROUGH-IN. RELOCATE ANY CONDUITS AS NECESSARY TO PERMIT INSTALLATION OF DUCTWORK OR PIPING.

4. INSTALL ALL CIRCUITING CONCEALED INSIDE WALL CAVITY WHERE EVER POSSIBLE. PROVIDE SURFACE MOUNTED BACKBOXES AND RACEWAY FOR WIRING DEVICES LOCATED ON EXISTING SOLID WALL CONSTRUCTION. PROVIDE SHALLOW TYPE BACKBOXES FOR SURFACE MOUNTED POWER AND SWITCHING APPLICATIONS. REFER TO ARCHITECTURAL PLANS FOR WALL TYPES.

5. FIRESTOP ALL LOW VOLTAGE SLEEVES AND PENETRATIONS AFTER INSTALLATION OF CABLE.

6. PROVIDE OPEN TOP CABLE HANGERS 4' ON CENTER SUPPORTED TO SUPPORT ALL LOW VOLTAGE CABLING ABOVE ACCESSIBLE CEILINGS. PROVIDE SEPARATE CABLE

9. HANGERS FOR FIRE ALARM CABLING. INSTALL ALL EXPOSED CABLES IN EMT CONDUIT OR SURFACE RACEWAY IN FINISHED AREAS.

7. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

8. OBTAIN WIRING AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR PRIOR TO ROUGHING. WORK THAT IS NOT PROPERLY COORDINATED WILL BE RELOCATED AT NO COST TO THE OWNER.

9. ALL CONTRACTORS SHALL PROTECT EXISTING SURFACES AND EQUIPMENT.

GENERAL NOTES

1. PROVIDE 50 ACT CEILING TILES OF EACH SIZE; 2'X2' AND 2'X4' TILES TO MATCH EXISTING WITHIN THE BUILDING. COORDINATE WITH OWNER FOR EXACT TYPE. REPLACE DAMAGED TILES FROM THE RESULT OF FIRE ALARM CEILING WORK. REUSE AND RELOCATE EXISTING GOOD TILES PREVIOUSLY HOUSING FIRE ALARM CEILING DEVICES TO INSTALL REPLACEMENT DEVICES INTO. IF TILE IS NOT ACCEPTABLE FOR MOUNTING, PROVIDE REPLACEMENT FROM QUANTITY ABOVE.

2. ALL DEVICES AND EQUIPMENT SHOWN ON DEMOLITION PLANS SHALL BE REMOVED, INCLUDING WIRING AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

3. EC IS RESPONSIBLE TO PATCH AND PAINT AS NECESSARY TO MATCH FINISHED SPACE MATERIALS AND PAINT AROUND ALL FIRE ALARM WALL MOUNTED DEVICE BOXES WHEN INSTALLED WHERE EXISTING WALL DEVICE WAS LOCATED. COORDINATE WITH OWNER FOR PAINT TYPES.

4. PATCH AND PAINT ANY REMOVED WALL MOUNTED DEVICES AND CONDUIT LOCATIONS TO MATCH FINISHED SPACE MATERIALS AND PAINT. PROVIDE BLANK COVERPLATES AND PAINT TO MATCH FINISHED SPACE WHERE DEVICES WERE INSTALLED IN CMU BLOCK WALLS. COORDINATE WITH OWNER FOR PAINT TYPES.

3. REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING SYSTEM TILES AS REQUIRED TO INSTALL ELECTRICAL WORK. REPLACE ANY DAMAGED TILES AS A RESULT OF WORK.

TYPE

DESCRIPTION

LAMPS

VOLTAGE

MOUNTING

CEILING TYPE

MANUFACTURERS

NOTES

L1

NOMINAL 2' X 4' LED HIGH BAY TROFFER (3) LED LIGHT BARS, RUGGED ALUMINUM MATTE WHITE HOUSING. GLOSS WHITE WIRE GUARD OVER HOUSING. nLIGHT nMSI360D INTEGRAL 360 DEGREE HIGH MOUNT MOTION SENSOR WITH DIMMING, PRE-WIRED. nLIGHT N80 CONTROL, ELDOLED DIMMING DRIVER 0-10V CONTINUOUS DIMMING DRIVER DOWN TO 1% STANDARD EFFICIENCY.

LED 102 WATTS, 18000 LUMENS, 90+ CRI, 4000K TEMPERATURE

120V

(2) FACTORY 10' V AIRCRAFT CABLES PER FIXTURE TO UNI-STRUT

EXPOSED STRUCTURE

LITHONIA "BG SERIES" OR EQUAL BY METALUX OR HUBBELL

AIRCRAFT CABLES MOUNT FIXTURES FROM UNI-STRUT TO FLUSH WITH ACOUSTIC BAFFLES ~26'-0"AFF

GYM ROOF DECK

EXISTING STEEL STRUCTURE BEAM (TYPICAL)

PROVIDE SUITABLE UNISTRUT ATTACHMENT BRACKETS TO STRUCTURAL STEEL BEAMS.

PROVIDE (2) GALVANIZED UNISTRUT EACH FIXTURE (SIZED TO SUPPORT FIXTURE WEIGHT) TO SPAN INSIDE OF STEEL TO INSIDE OF STEEL. PROVIDE MEANS TO FASTEN TO STEEL STRUCTURE BEAM.

FIXTURE MANUFACTURER AIRCRAFT CABLE HANGERS. LENGTH AS REQUIRED TO HAND FIXTURES BELOW STEEL TO FLUSH WITH ACOUSTIC HANGING BAFFLES. COORDINATE WITH ARCHITECTURAL DETAILS.

FIXTURE SUPPLIED CABLE SUPPORTS

1

GYM LIGHTING HIGH BAY INSTALLATION DETAIL

MES-000 SCALE: NONE

STATE OF NEW YORK

15

14

13

12

11

10

9

8

7

6

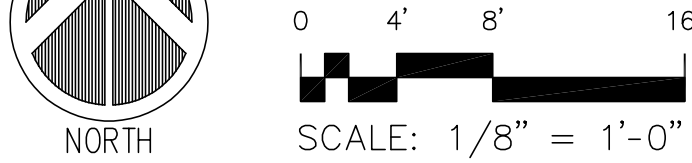
5

4

3

2

1



KEYED NOTES

① PROVIDE (2) 60 AMP, 240 VOLT, 3-POLE, 65K AIC (SERVE ACCU-1AND ACCU-2) CIRCUIT BREAKERS INSTALLED WITHIN EXISTING DISTRIBUTION PANELBOARD SPACE. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING SWITCHBOARD MANUFACTURED BY GENERAL ELECTRIC SPECTRA SERIES APNB. CONNECT ACCU-1 AND ACCU-2 CONDUCTORS TO PROVIDED CIRCUIT BREAKERS.

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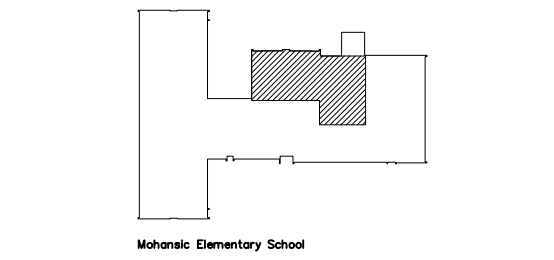
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SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028
MS - #66-24-02-06-0-007-027
CES - #66-24-02-06-0-003-022
MES - #66-24-02-06-0-004-025
BES - #66-24-02-06-0-002-020



DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

MOHANSIC ELEMENTARY
SCHOOL
704 LOCKSLEY RD.
YORKTOWN HEIGHTS, NY 10598

REVISIONS		
No.	Description	Date

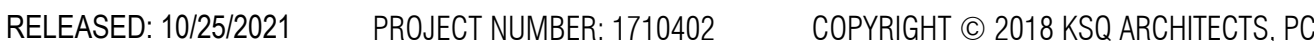
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DATE: 10/25/2021

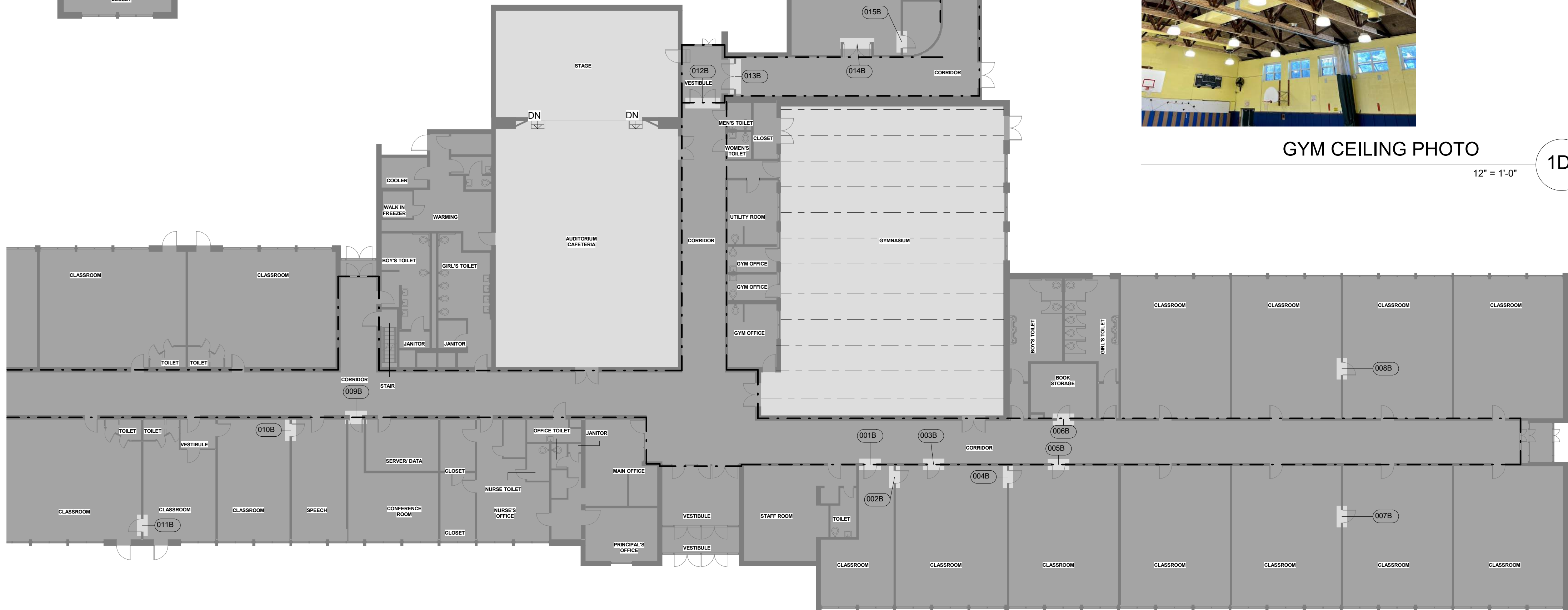
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SHEET NAME:
LOWER LEVEL
POWER & SYSTEMS PLAN

SHEET NUMBER:
MES-E100

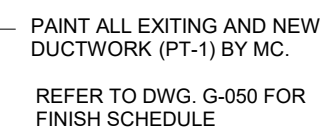






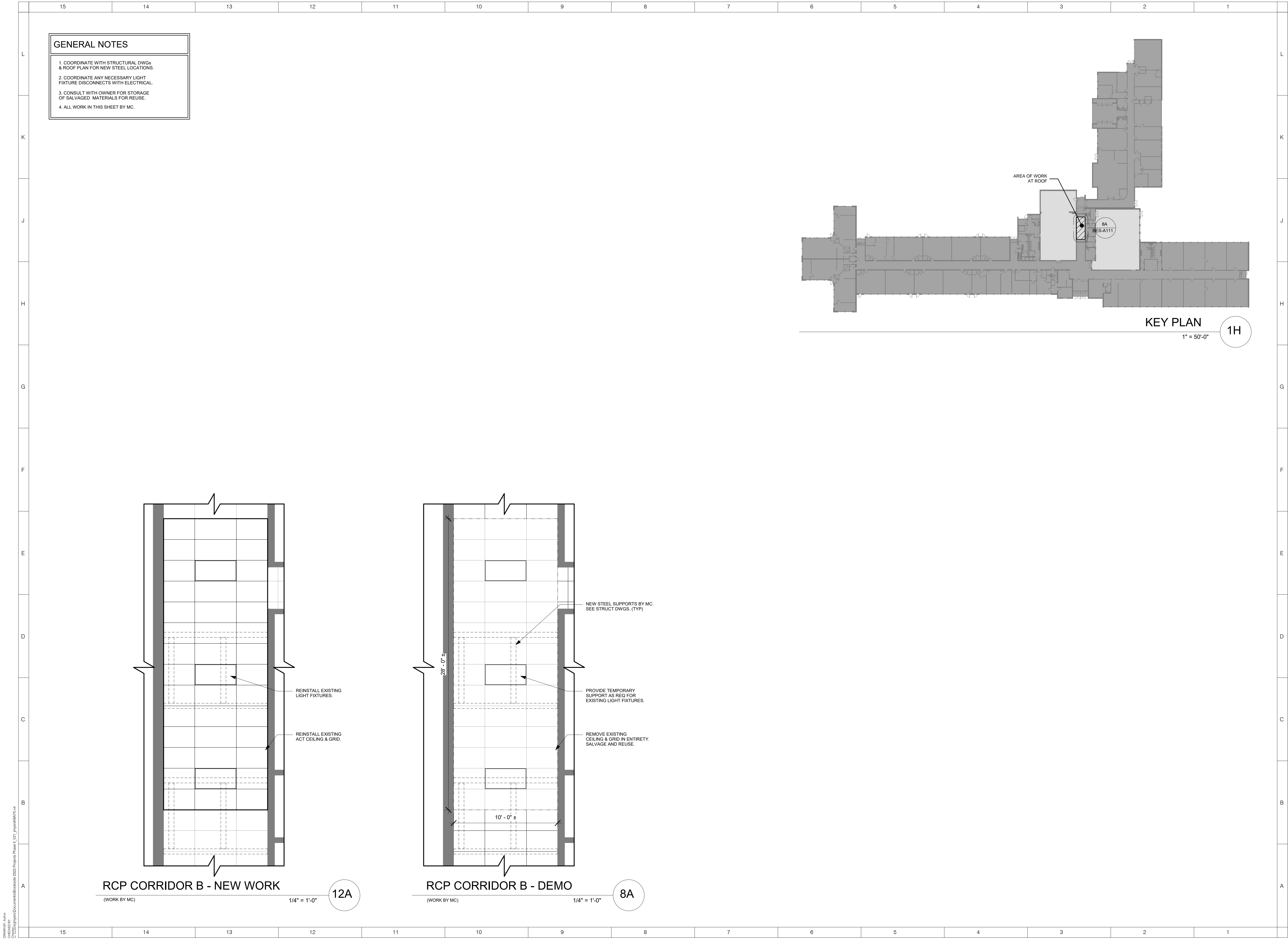
1A

APPLICABLE CODES:
 NYS 2010 BUILDING CODE & ENERGY CONSERVATION CONSTRUCTION CODE (ECC)
 MANUAL OF PLANNING STANDARDS EDUCATIONAL FACILITIES (1998) (SED)
 AUTHORITY HAVING JURISDICTION
 IBC NEW YORK STATE 2010
 ICC/ANSI A117.1-2003
 ANSI/ASA S12.60-2010
 STATE BUILDING AID FOR PUBLIC SCHOOL DISTRICTS AND BOCES
 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK 2014 (ECCNYS)
 FIRE CODE OF NEW YORK STATE
 ASHRAE (ALL APPLICABLE) BUT SPECIFICALLY:
 90.1 ENERGY STANDARD FOR BUILDINGS
 AMERICAN DISABILITIES ACT ACCESSIBLE GUIDELINE (ADA)



1D

BES-A100



C:\Users\j\Documents\Brookside 2022 Projects\Phase II_V2_j\j\yorktown.nxd

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MES - #66-24-02-06-0-004-025
BES - #66-24-02-06-0-002-020

Yorktown
CENTRAL SCHOOL DISTRICT

DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

Brookside Elementary
School
2285 Broad St.
Yorktown Heights, NY 10598

REVISIONS

No.	Description	Date

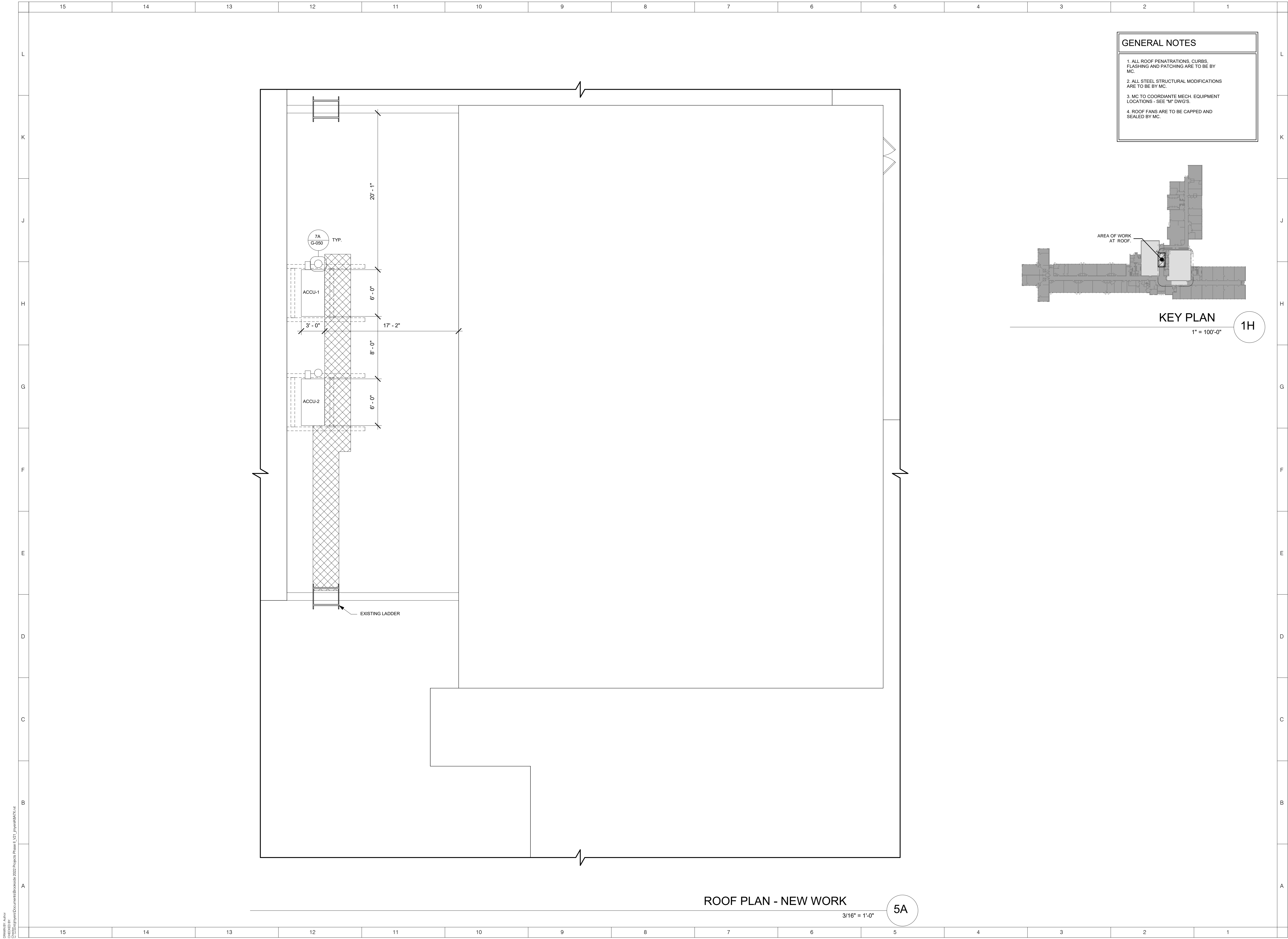
ISSUED: BID ISSUE

DATE: 3/24/2020

SCALE: As indicated

SHEET NAME:
RCP ENLARGED FIRST
FLOOR

SHEET NUMBER:
BES-A111

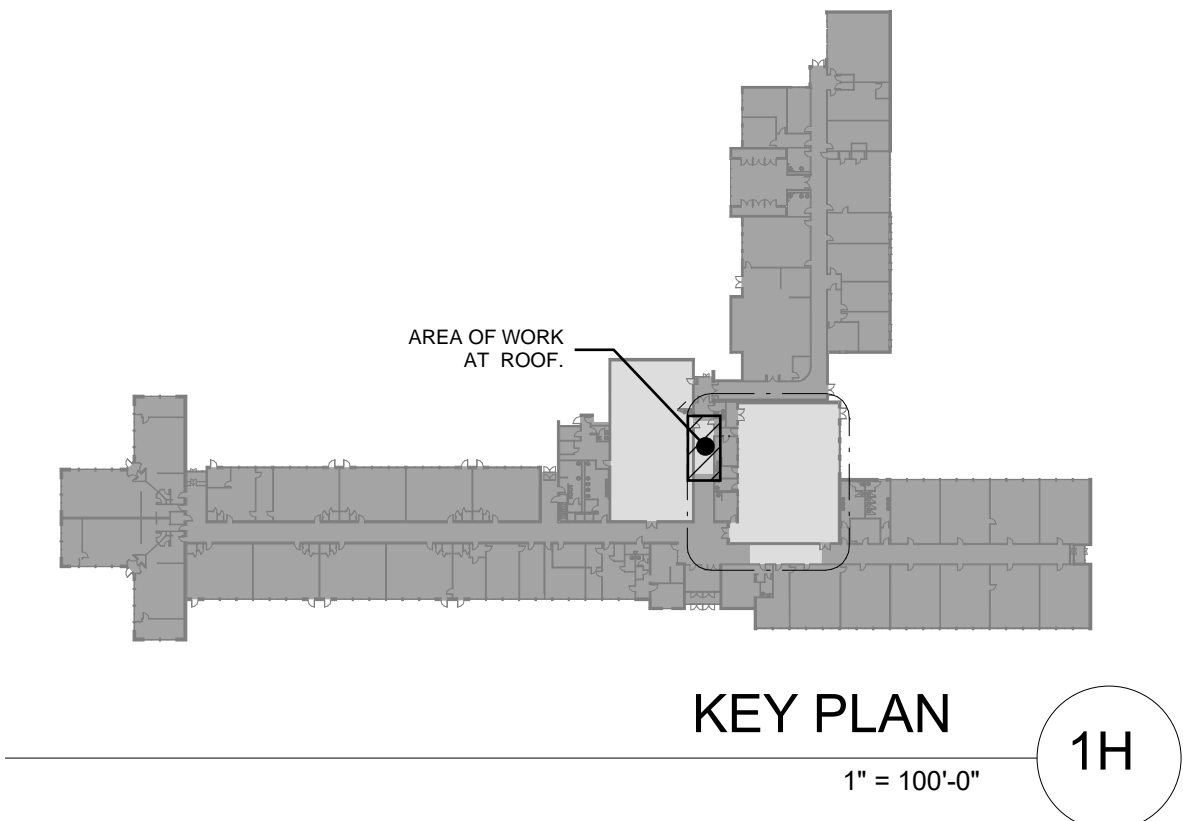


- GENERAL NOTES
1. ALL ROOF PENETRATIONS, CURBS, FLASHING AND PATCHING ARE TO BE BY MC.

2. ALL STEEL STRUCTURAL MODIFICATIONS ARE TO BE BY MC.

3. MC TO COORDINATE MECH. EQUIPMENT LOCATIONS - SEE "M" DWGS.

4. ROOF FANS ARE TO BE CAPPED AND SEALED BY MC.



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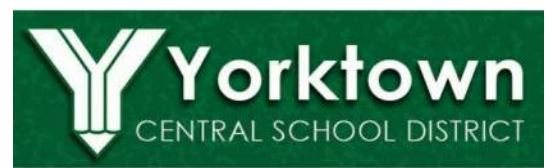
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BES - #66-24-02-06-0-002-020



DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

Brookside Elementary
School
2285 Broad St.
Yorktown Heights, NY 10598

REVISIONS		
No.	Description	Date

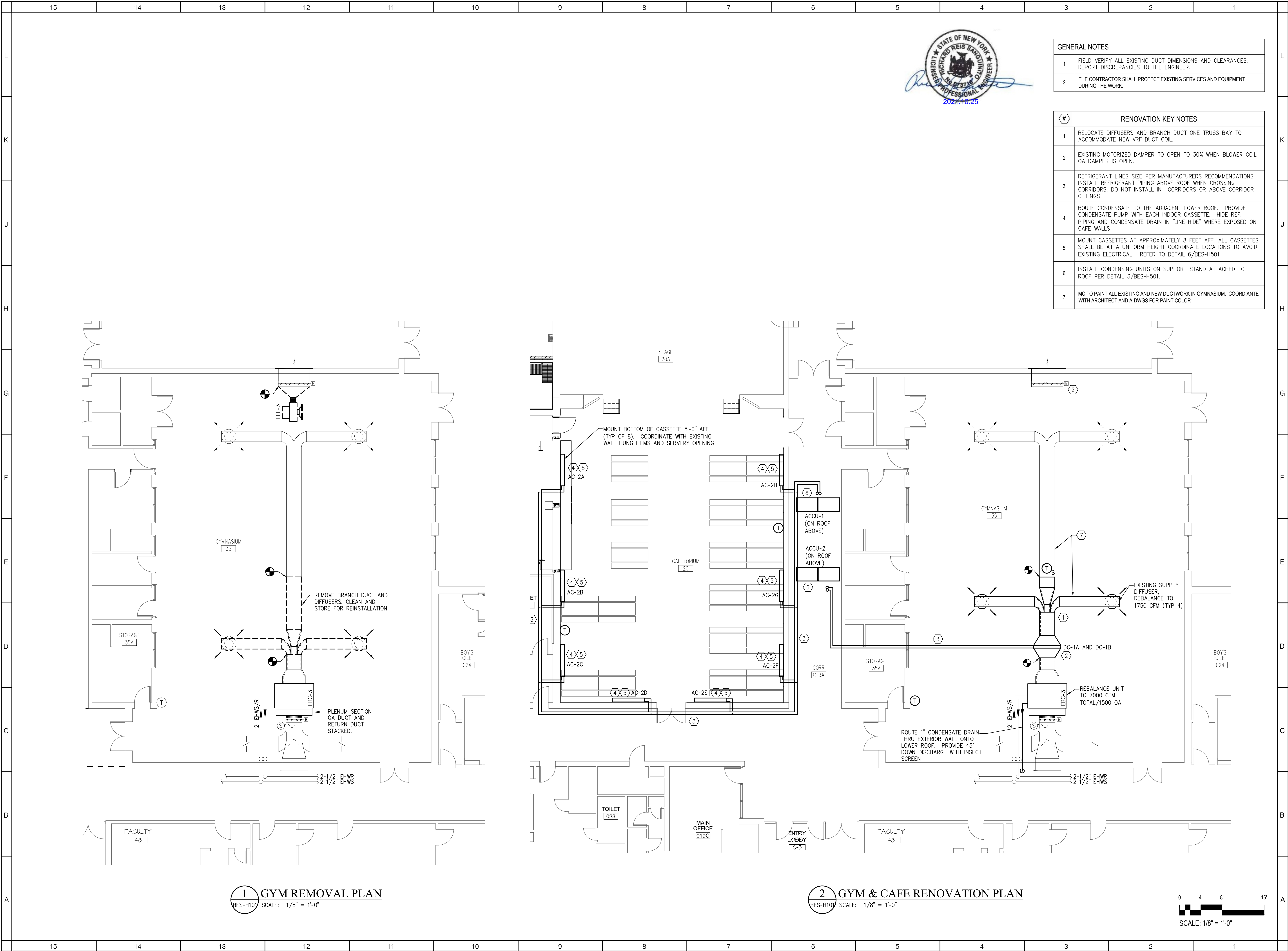
ISSUED: BID ISSUE

DATE: 3/24/2020

SCALE: As indicated

SHEET NAME:
ROOF PLAN - NEW WORK

SHEET NUMBER:
BES-A402



GENERAL NOTES	
1	FIELD VERIFY ALL EXISTING DUCT DIMENSIONS AND CLEARANCES. REPORT DISCREPANCIES TO THE ENGINEER.
2	THE CONTRACTOR SHALL PROTECT EXISTING SERVICES AND EQUIPMENT DURING THE WORK.

#	RENOVATION KEY NOTES
1	RELOCATE DIFFUSERS AND BRANCH DUCT ONE TRUSS BAY TO ACCOMMODATE NEW VRF DUCT COIL.
2	EXISTING MOTORIZED DAMPER TO OPEN TO 30% WHEN BLOWER COIL OA DAMPER IS OPEN.
3	REFRIGERANT LINES SIZE PER MANUFACTURERS RECOMMENDATIONS. INSTALL REFRIGERANT PIPING ABOVE ROOF WHEN CROSSING CORRIDORS. DO NOT INSTALL IN CORRIDORS OR ABOVE CORRIDOR CEILINGS
4	ROUTE CONDENSATE TO THE ADJACENT LOWER ROOF. PROVIDE CONDENSATE PUMP WITH EACH INDOOR CASSETTE. HIDE REF. PIPING AND CONDENSATE DRAIN IN "LINE-HIDE" WHERE EXPOSED ON CAFE WALLS
5	MOUNT CASSETTES AT APPROXIMATELY 8 FEET AFF. ALL CASSETTES SHALL BE AT A UNIFORM HEIGHT COORDINATE LOCATIONS TO AVOID EXISTING ELECTRICAL. REFER TO DETAIL 6/BES-H501
6	INSTALL CONDENSING UNITS ON SUPPORT STAND ATTACHED TO ROOF PER DETAIL 3/BES-H501.
7	MC TO PAINT ALL EXISTING AND NEW DUCTWORK IN GYMNASIUM. COORDIANTE WITH ARCHITECT AND A-DWGS FOR PAINT COLOR

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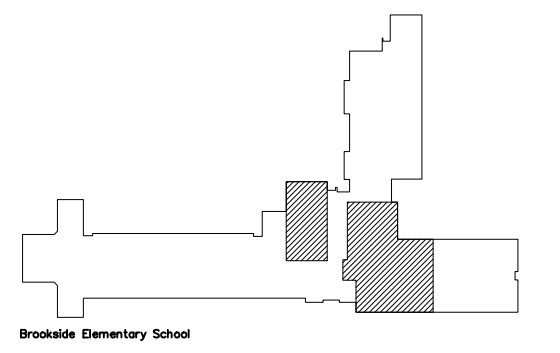
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MES -	#66-24-02-06-0-004-025
BES -	#66-24-02-06-0-002-020



DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

BROOKSIDE ELEMENTARY
SCHOOL
2285 BROAD ST.
YORKTOWN HEIGHTS, NY 10598

REVISIONS		
No.	Description	Date

ISSUED: BID ISSUE

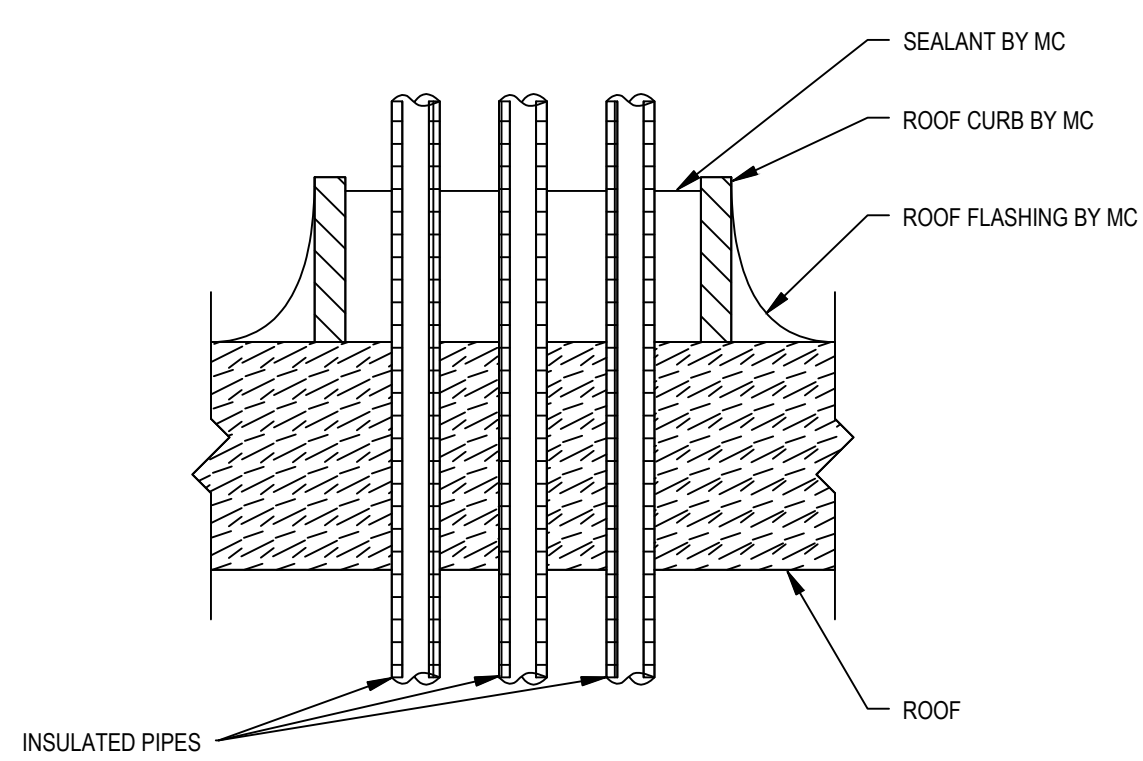
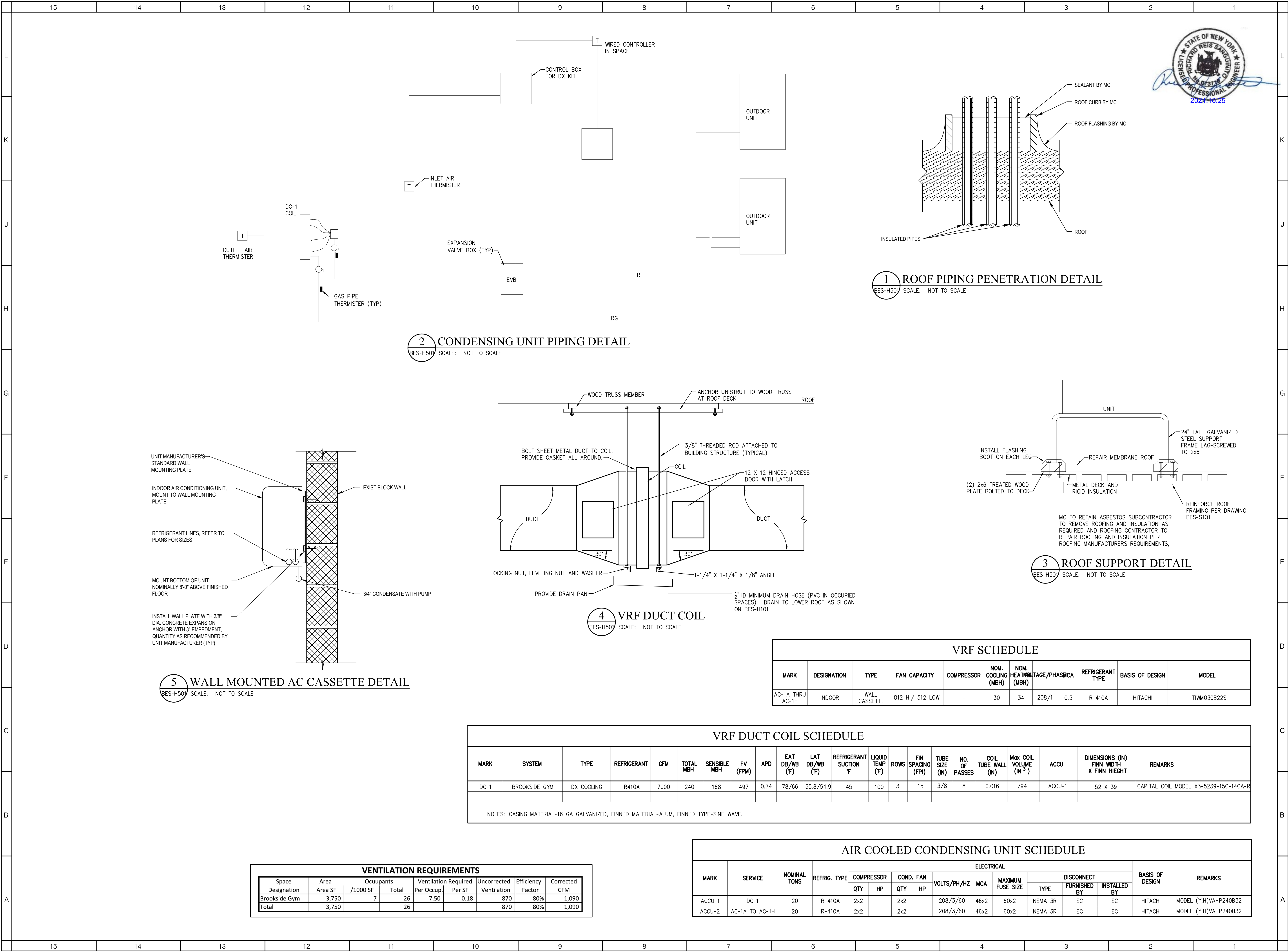
DATE: 10/25/2021

SCALE: AS NOTED

SHEET NAME:
GYMNASIUM & CAFETERIA
REMOVAL & RENOVATION
PLANS

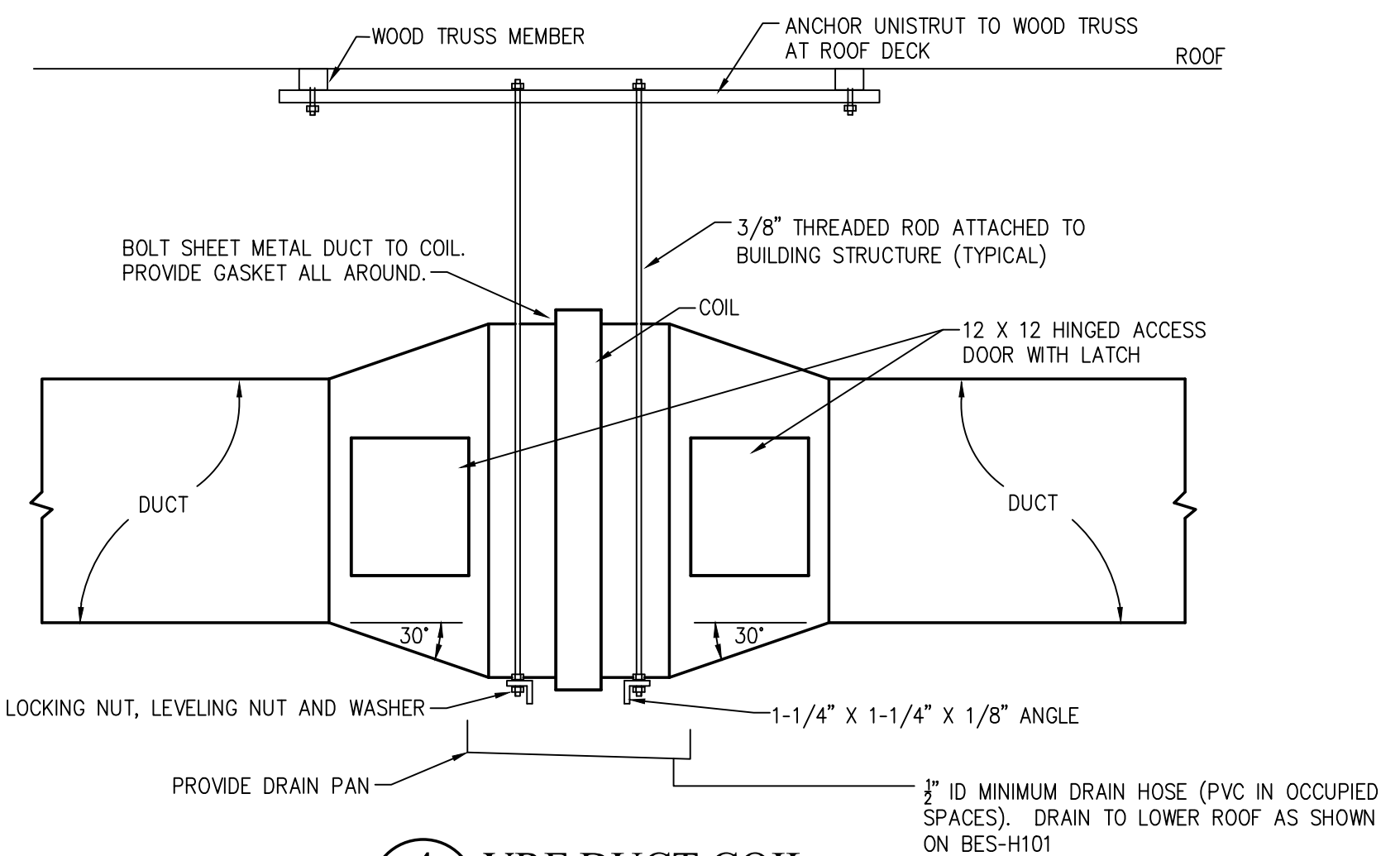
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BES-H101

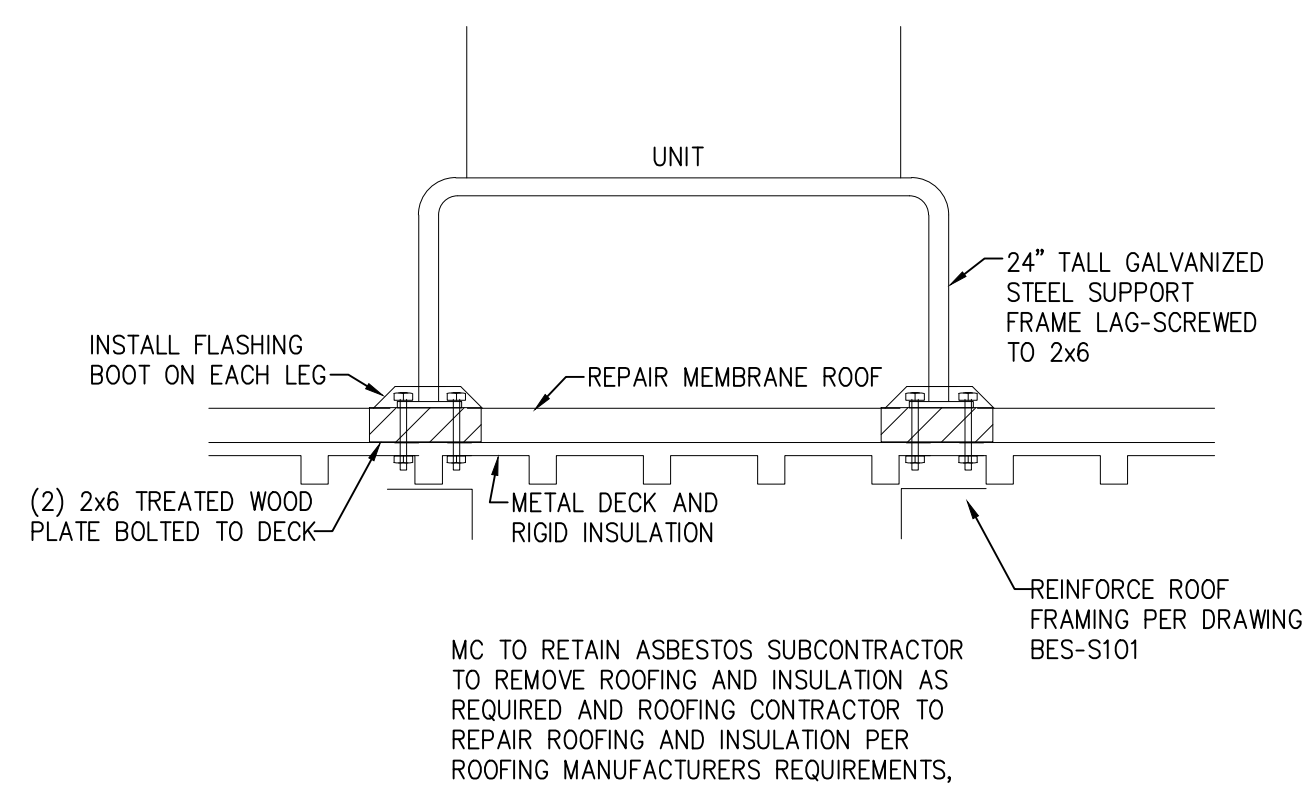


1 ROOF PIPING PENETRATION DETAIL
BES-H501 SCALE: NOT TO SCALE

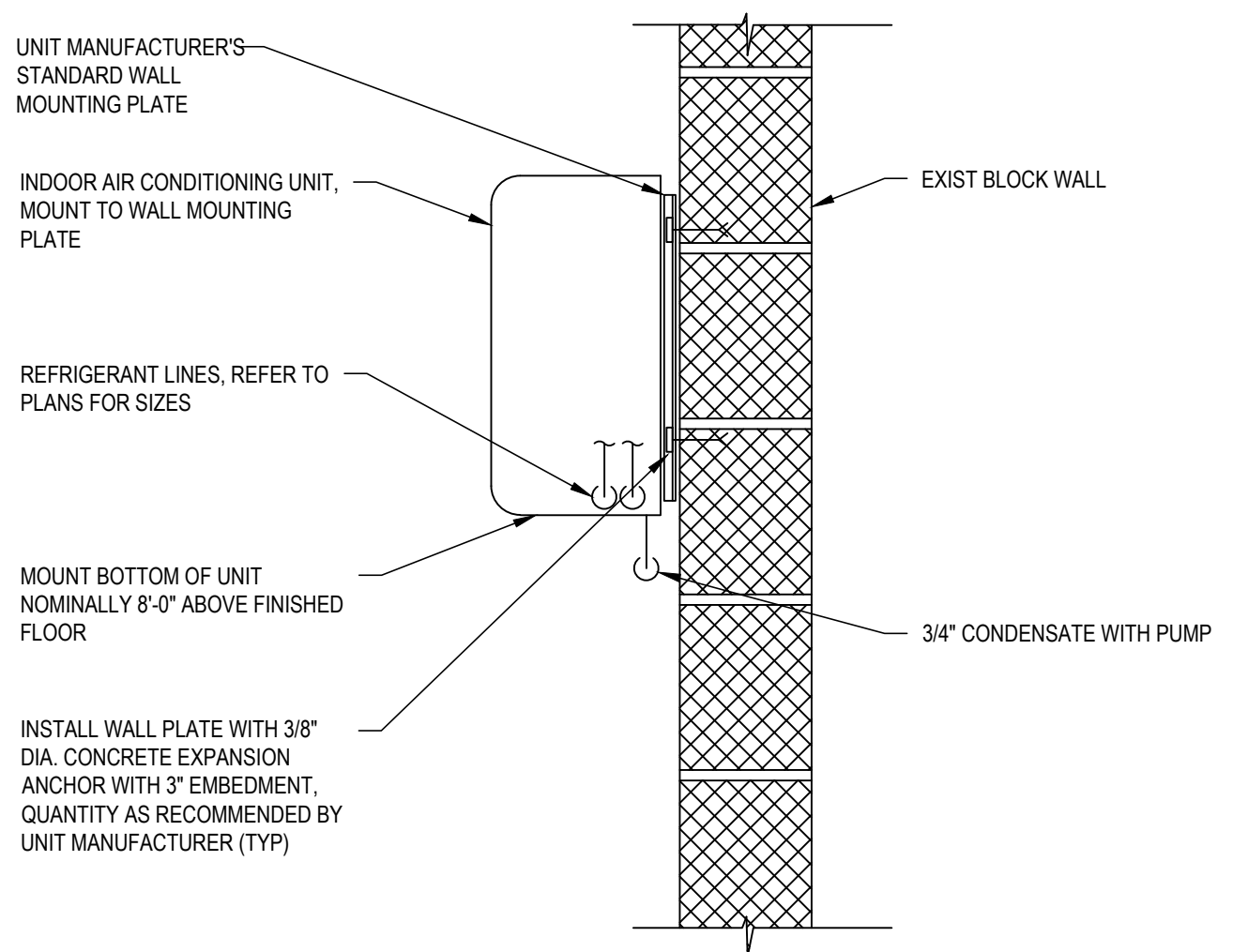
2 CONDENSING UNIT PIPING DETAIL
BES-H501 SCALE: NOT TO SCALE



4 VRF DUCT COIL
BES-H501 SCALE: NOT TO SCALE



3 ROOF SUPPORT DETAIL
BES-H501 SCALE: NOT TO SCALE



5 WALL MOUNTED AC CASSETTE DETAIL
BES-H501 SCALE: NOT TO SCALE

VRF SCHEDULE											
MARK	DESIGNATION	TYPE	FAN CAPACITY	COMPRESSOR	NOM. COOLING (MBH)	NOM. HEATING (MBH)	MULTI/PHASE	REFRIGERANT TYPE	BASIS OF DESIGN	MODEL	
AC-1A THRU AC-1H	INDOOR	WALL CASSETTE	812 HI/ 512 LOW	-	30	34	208/1	0.5	R-410A	HITACHI	TIWM030B22S

VRF DUCT COIL SCHEDULE																					
MARK	SYSTEM	TYPE	REFRIGERANT	CFM	TOTAL MBH	SENSIBLE MBH	FV (FPM)	APD	EAT DB/WB (F)	LAT DB/WB (F)	REFRIGERANT SUCTION F	LIQUID TEMP (F)	ROWS	FIN SPACING (FPI)	TUBE SIZE (IN)	NO. OF PASSES	COIL TUBE WALL (IN)	Max COIL VOLUME (IN ³)	ACCU	DIMENSIONS (IN) FINN WIDTH X FINN HIEGHT	REMARKS
DC-1	BROOKSIDE GYM	DX COOLING	R410A	7000	240	168	497	0.74	78/66	55.8/54.9	45	100	3	15	3/8	8	0.016	794	ACCU-1	52 x 39	CAPITAL COIL MODEL X3-5239-15C-14CA-R
NOTES: CASING MATERIAL-16 GA GALVANIZED, FINNED MATERIAL-ALUM, FINNED TYPE-SINE WAVE.																					

VENTILATION REQUIREMENTS						
Space Designation	Area Area SF	Occupants /1000 SF	Total	Ventilation Required Per Occup.	Per SF	Corrected CFM
Brookside Gym	3,750	7	26	7.50	0.18	870
Total	3,750		26			870

AIR COOLED CONDENSING UNIT SCHEDULE															
MARK	SERVICE	NOMINAL TONS	REFRIG. TYPE	ELECTRICAL										BASIS OF DESIGN	REMARKS
				COMPRESSOR		COND. FAN		VOLTS/PH/HZ	MCA	MAXIMUM FUSE SIZE	DISCONNECT				
				QTY	HP	QTY	HP				TYPE	FURNISHED BY	INSTALLED BY		
ACCU-1	DC-1	20	R-410A	2x2	-	2x2	-	208/3/60	46x2	60x2	NEMA 3R	EC	EC	HITACHI	MODEL (Y,H)VAHP240B32
ACCU-2	AC-1A TO AC-1H	20	R-410A	2x2		2x2		208/3/60	46x2	60x2	NEMA 3R	EC	EC	HITACHI	MODEL (Y,H)VAHP240B32

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Brookside Elementary School

YORKTOWN CENTRAL SCHOOL DISTRICT

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

BROOKSIDE ELEMENTARY SCHOOL
2285 BROAD ST.
YORKTOWN HEIGHTS, NY 10598

REVISIONS


No.	Description	Date


ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME: DETAILS & SCHEDULES
SHEET NUMBER:


BES-H501


	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
L																
K																
J																
H																
G																
F																
E																
D																
C																
B																
A																
	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	

REMOVALS


 JUNCTION BOX


 DISCONNECT ELECTRIC TO MOTOR AND REMOVE IN ITS ENTIRETY BACK TO SOURCE


 HVAC STARTER/MOTOR CONTROLLER


 EXISTING LIGHT FIXTURE

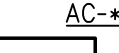
POWER & SYSTEMS

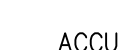
 DISCONNECT SWITCH, RATINGS AS INDICATED ON FLOOR PLANS


 FEEDER CONDUIT WITH CONDUCTORS


 VARIABLE FREQUENCY DRIVE (FURNISHED BY MECHANICAL, INSTALLED AND POWER WIRING BY EC)


 BRANCH CIRCUIT HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. CAPITAL LETTER WITH NUMERALS INDICATE PANEL DESIGNATION AND NUMERAL INDICATES PANEL CIRCUIT BREAKER NUMBER.


 AIR CONDITIONER (INDOOR), (PROVIDED UNDER MC CONTRACT, LINE VOLTAGE WIRING BY EC)


 CONDENSING UNIT (OUTDOOR), (PROVIDED UNDER MC CONTRACT, LINE VOLTAGE WIRING BY EC)

 GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE (GFCI) WITH UL LISTED WEATHERPROOF WHILE IN USE COVER.

 MANUAL DISCONNECT SNAP SWITCH, 2-POLE, 240V

 EXISTING SURFACE MOUNTED PANELBOARD

 EXISTING RECESS MOUNTED PANELBOARD

 2'X4' LED HIGH BAY LIGHT FIXTURE

ABBREVIATIONS

ABBREVIATION

DESCRIPTION

AFF

ABOVE FINISHED FLOOR

AFG

ABOVE FINISHED GRADE

AFR

ABOVE FINISHED ROOF

AWG

AMERICAN WIRE GAUGE

BFG

BELOW FINISHED GRADE

C

CONDUIT

CB

CIRCUIT BREAKER

EAHU

EXISTING AIR HANDLING UNIT

EC

ELECTRICAL CONTRACTOR

EGC

EQUIPMENT GROUNDING CONDUCTOR

EXR

EXISTING TO REMAIN

FBO

FURNISHED BY OWNER

FIBO

FURNISHED AND INSTALLED BY OWNER

G

VANDAL GUARD

GC

GENERAL CONTRACTOR

GFI

GROUND FAULT INTERRUPTER

HID

HIGH INTENSITY DISCHARGE (METAL HALIDE)

MC

MECHANICAL CONTRACTOR

NIC

NOT IN CONTRACT

NTS

NOT TO SCALE

RGS

RIGID GALVANIZED STEEL

TYP

TYPICAL

UON

UNLESS OTHERWISE NOTED

WP

WEATHER PROOF WHILE IN USE COVER

MOUNTING HEIGHTS

UNLESS OTHERWISE NOTED, MOUNT DEVICES AND EQUIPMENT AT HEIGHTS MEASURED FROM FINISHED FLOOR TO DEVICE/ EQUIPMENT CENTERLINE AS LISTED BELOW.

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

WHERE STRUCTURAL OR OTHER INTERFERENCE'S PREVENT COMPLIANCE WITH MOUNTING HEIGHTS LISTED BELOW, CONSULT OWNER'S REPRESENTATIVE FOR APPROVAL TO CHANGE LOCATION BEFORE INSTALLATION.

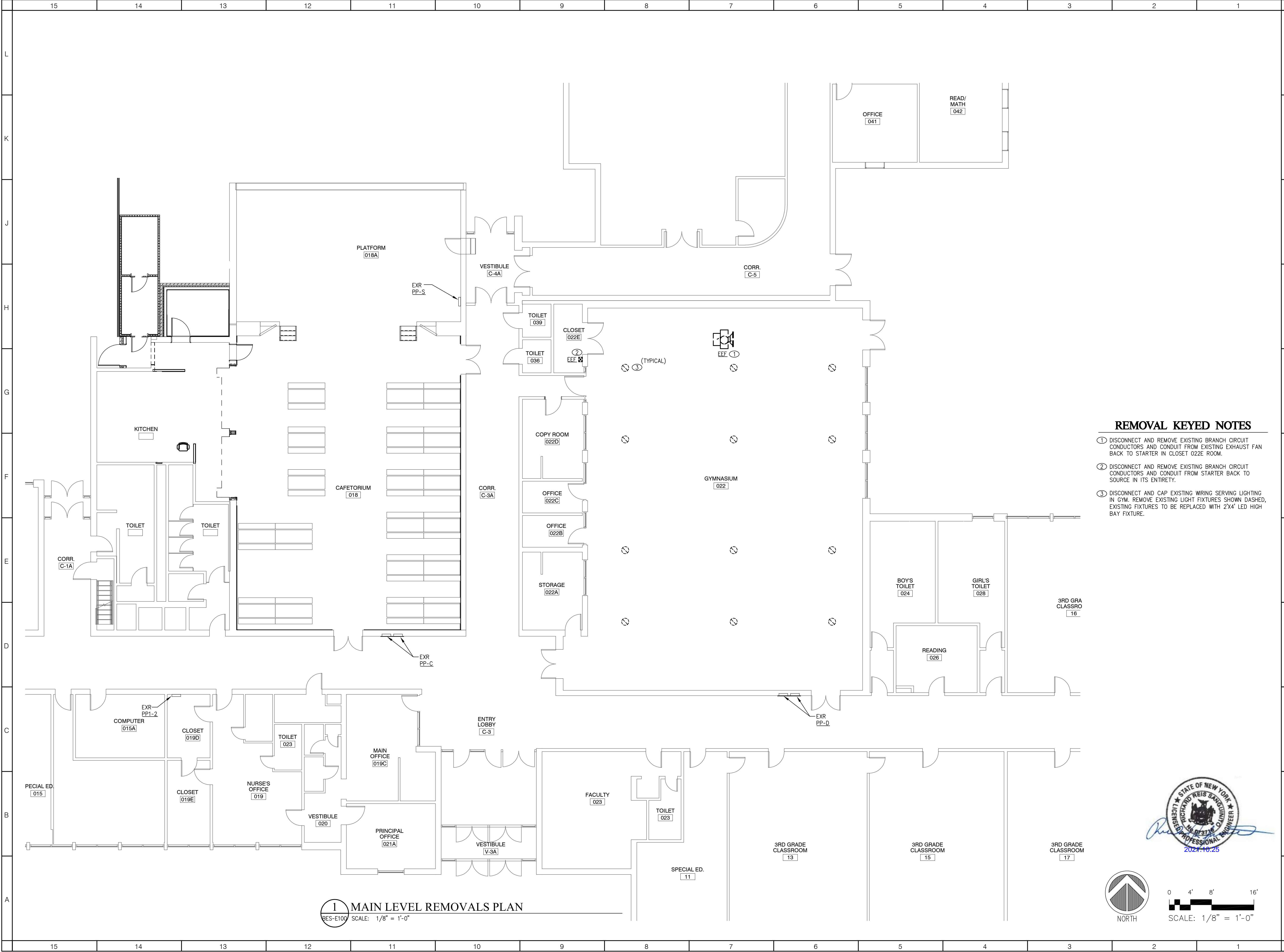
DISCONNECT SWITCH HANDLE, UON 48"

GENERAL NOTES - INSTALLATION

- NEW BRANCH CIRCUITRY SHALL BE INSTALLED ABOVE CEILING WHERE POSSIBLE, AS HIGH AS POSSIBLE.
- ALL EQUIPMENT SHOWN ON REMOVALS PLANS SHALL BE REMOVED, UNLESS OTHERWISE NOTED. REMOVE ONLY ASSOCIATED WIRING WITHIN ROOM. ASSOCIATED EXISTING BRANCH CIRCUIT WIRING HOMERUN BACK TO PANEL IN EACH ROOM SHALL REMAIN FOR CONNECTION TO NEW LIGHTING BRANCH CIRCUIT WIRING SHOWN, UNLESS OTHERWISE NOTED.
- COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES PRIOR TO ROUGH-IN. RELOCATE ANY CONDUITS AS NECESSARY TO PERMIT INSTALLATION OF DUCTWORK OR PIPING.
- INSTALL ALL CIRCUITING CONCEALED INSIDE WALL CAVITY WHERE EVER POSSIBLE. PROVIDE SURFACE MOUNTED BACKBOXES AND RACEWAY FOR WIRING DEVICES LOCATED ON EXISTING SOLID WALL CONSTRUCTION. PROVIDE SHALLOW TYPE BACKBOXES FOR SURFACE MOUNTED POWER AND SWITCHING APPLICATIONS. REFER TO ARCHITECTURAL PLANS FOR WALL TYPES.
- FIRESTOP ALL LOW VOLTAGE SLEEVES AND PENETRATIONS AFTER INSTALLATION OF CABLE.
- PROVIDE OPEN TOP CABLE HANGERS 4" ON CENTER SUPPORTED TO SUPPORT ALL LOW VOLTAGE CABLING ABOVE ACCESSIBLE CEILINGS. PROVIDE SEPARATE CABLE
- HANGERS FOR FIRE ALARM CABLING. INSTALL ALL EXPOSED CABLES IN EMT CONDUIT OR SURFACE RACEWAY IN FINISHED AREAS.
- ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.
- OBTAIN WIRING AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR PRIOR TO ROUGHING. WORK THAT IS NOT PROPERLY COORDINATED WILL BE RELOCATED AT NO COST TO THE OWNER.
- ALL CONTRACTORS TO PROTECT EXISTING SURFACES AND EQUIPMENT.

GENERAL NOTES

- PROVIDE 25 ACT CEILING TILES OF EACH SIZE; 2'X4' TILES TO MATCH EXISTING WITHIN THE BUILDING. COORDINATE WITH OWNER FOR EXACT TYPE. REPLACE DAMAGED TILES FROM THE RESULT OF CEILING WORK.



1 MAIN LEVEL REMOVALS PLAN
BES-E100 SCALE: 1/8" = 1'-0"

- REMOVAL KEYED NOTES**
- ① DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS AND CONDUIT FROM EXISTING EXHAUST FAN BACK TO STARTER IN CLOSET 022E ROOM.
 - ② DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS AND CONDUIT FROM STARTER BACK TO SOURCE IN ITS ENTIRETY.
 - ③ DISCONNECT AND CAP EXISTING WIRING SERVING LIGHTING IN GYM. REMOVE EXISTING LIGHT FIXTURES SHOWN DASHED, EXISTING FIXTURES TO BE REPLACED WITH 2'X4' LED HIGH BAY FIXTURE.

SED CONTROL NUMBERS

YHS -	#66-24-02-06-0-005-028
MS -	#66-24-02-06-0-007-027
CES -	#66-24-02-06-0-003-022
MES -	#66-24-02-06-0-004-025
BES -	#66-24-02-06-0-002-020



DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

BROOKSIDE ELEMENTARY SCHOOL
2285 BROAD ST.
YORKTOWN HEIGHTS, NY 10598

REVISIONS

No.	Description	Date

ISSUED: BID ISSUE
DATE: 10/25/2021
SCALE: AS NOTED
SHEET NAME: MAIN LEVEL REMOVALS PLAN

SHEET NUMBER: BES-E100

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YORKTOWN CENTRAL SCHOOL DISTRICT

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

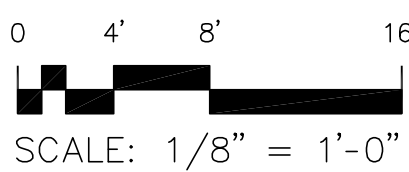
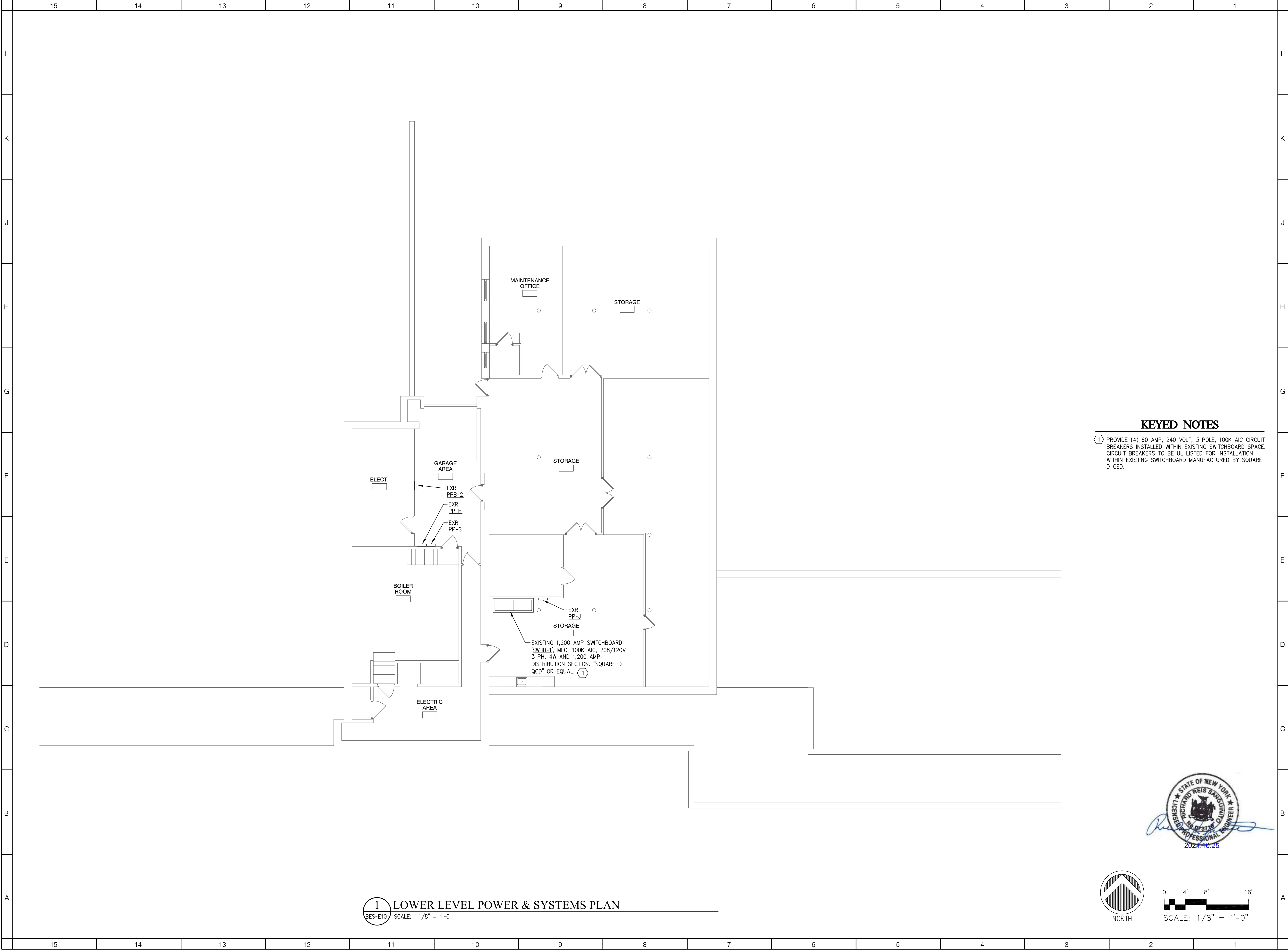
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DATE: 10/25/2021
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SHEET NAME: MAIN LEVEL REMOVALS PLAN

SHEET NUMBER: BES-E100



KEYED NOTES

① PROVIDE (4) 60 AMP, 240 VOLT, 3-POLE, 100K AIC CIRCUIT BREAKERS INSTALLED WITHIN EXISTING SWITCHBOARD SPACE. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING SWITCHBOARD MANUFACTURED BY SQUARE D QED.

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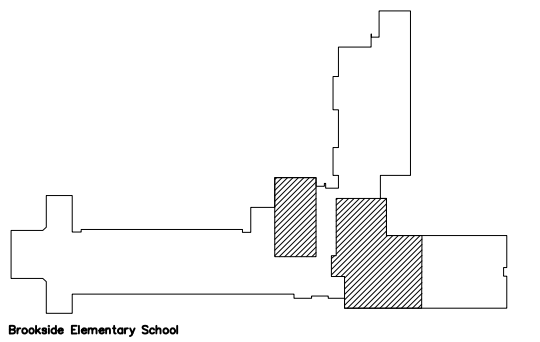
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DISTRICT WIDE
IMPROVEMENTS 2020
PHASE II

BROOKSIDE ELEMENTARY
SCHOOL
2285 BROAD ST.
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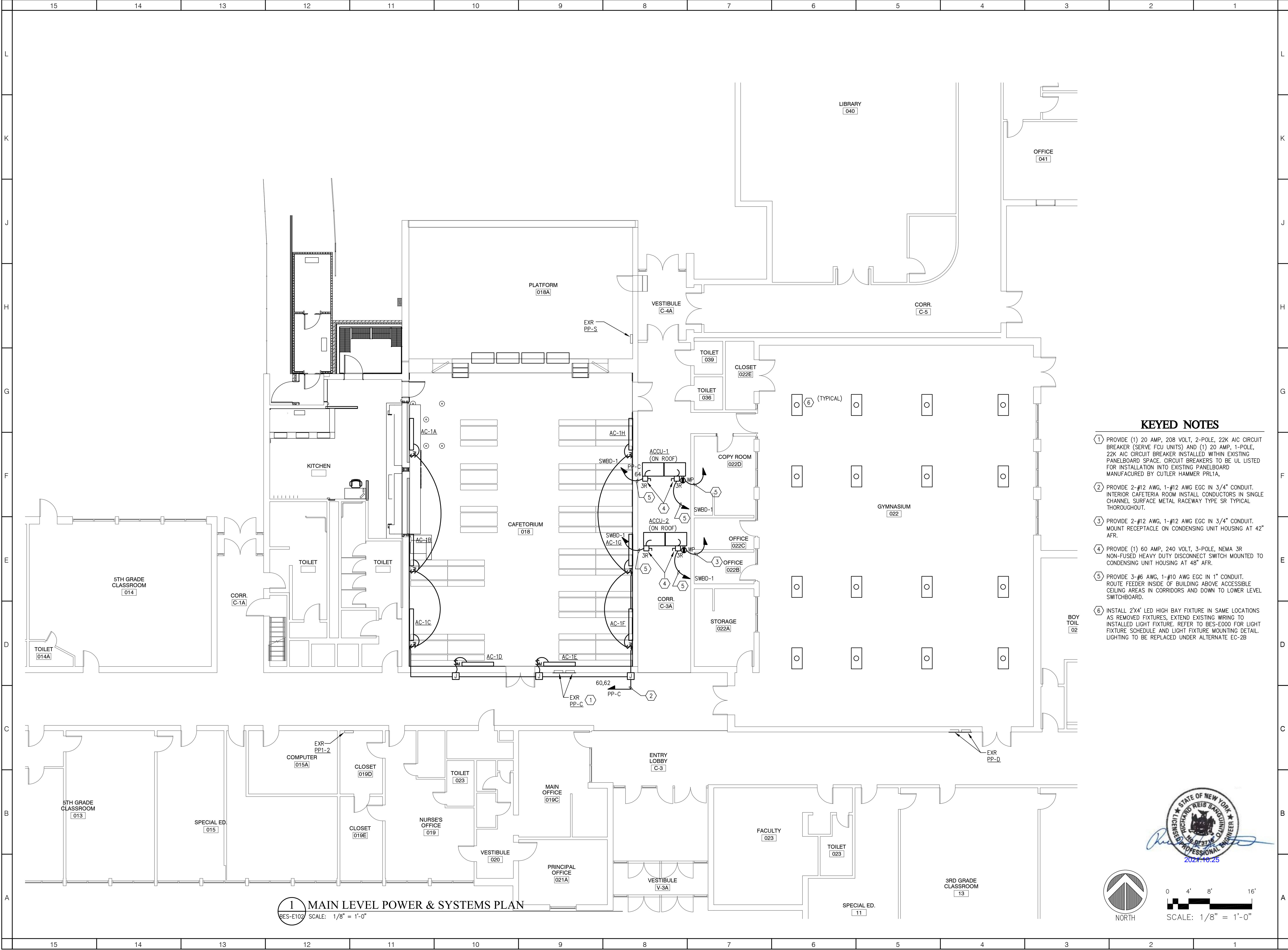
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DATE: 10/25/2021

SCALE: AS NOTED

SHEET NAME:
LOWER LEVEL
POWER & SYSTEMS PLAN

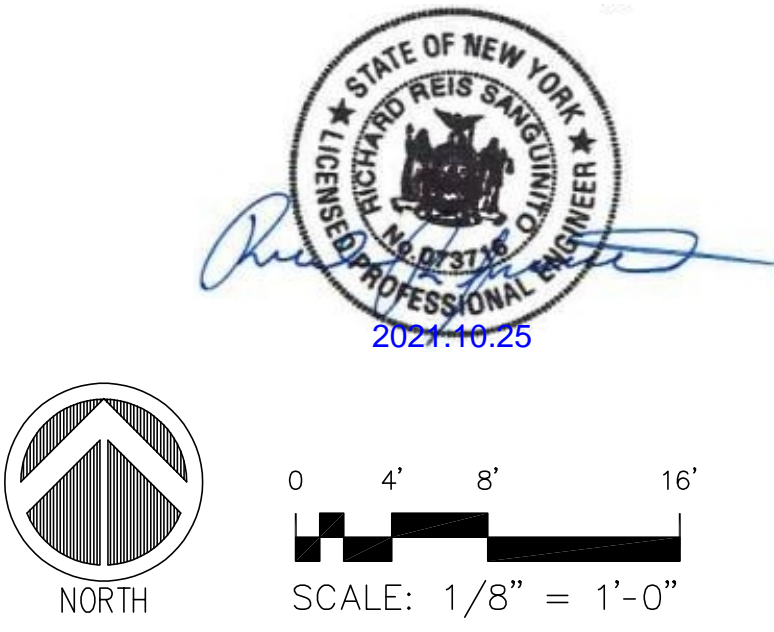
SHEET NUMBER:

BES-E101



1 MAIN LEVEL POWER & SYSTEMS PLAN
RES-E102 SCALE: 1/8" = 1'-0"

- KEYED NOTES**
- 1 PROVIDE (1) 20 AMP, 208 VOLT, 2-POLE, 22K AIC CIRCUIT BREAKER (SERVE FCU UNITS) AND (1) 20 AMP, 1-POLE, 22K AIC CIRCUIT BREAKER INSTALLED WITHIN EXISTING PANELBOARD SPACE. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION INTO EXISTING PANELBOARD MANUFACTURED BY CUTLER HAMMER PRL1A,
 - 2 PROVIDE 2-#12 AWG, 1-#12 AWG EGC IN 3/4" CONDUIT. INTERIOR CAFETERIA ROOM INSTALL CONDUCTORS IN SINGLE CHANNEL SURFACE METAL RACEWAY TYPE SR TYPICAL THOROUGHOUT.
 - 3 PROVIDE 2-#12 AWG, 1-#12 AWG EGC IN 3/4" CONDUIT. MOUNT RECEPTACLE ON CONDENSING UNIT HOUSING AT 42" AFR.
 - 4 PROVIDE (1) 60 AMP, 240 VOLT, 3-POLE, NEMA 3R NON-FUSED HEAVY DUTY DISCONNECT SWITCH MOUNTED TO CONDENSING UNIT HOUSING AT 48" AFR.
 - 5 PROVIDE 3-#6 AWG, 1-#10 AWG EGC IN 1" CONDUIT. ROUTE FEEDER INSIDE OF BUILDING ABOVE ACCESSIBLE CEILING AREAS IN CORRIDORS AND DOWN TO LOWER LEVEL SWITCHBOARD.
 - 6 INSTALL 2'X4' LED HIGH BAY FIXTURE IN SAME LOCATIONS AS REMOVED FIXTURES; EXTEND EXISTING WIRING TO INSTALLED LIGHT FIXTURE. REFER TO BES-E000 FOR LIGHT FIXTURE SCHEDULE AND LIGHT FIXTURE MOUNTING DETAIL. LIGHTING TO BE REPLACED UNDER ALTERNATE EC-2B



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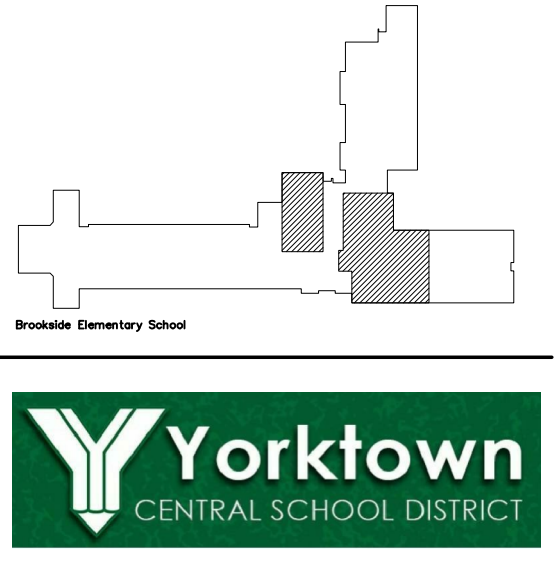
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YORKTOWN HEIGHTS, NY 10598

REVISIONS

No.	Description	Date

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MAIN LEVEL
POWER & SYSTEMS PLAN
SHEET NUMBER:

BES-E102