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YONKERS JOINT SCHOOL
CONSTRUCTION BOARD

121 McLean Avenue
Yonkers, NY 10705



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NY SED PROJECT CONTROL NO.

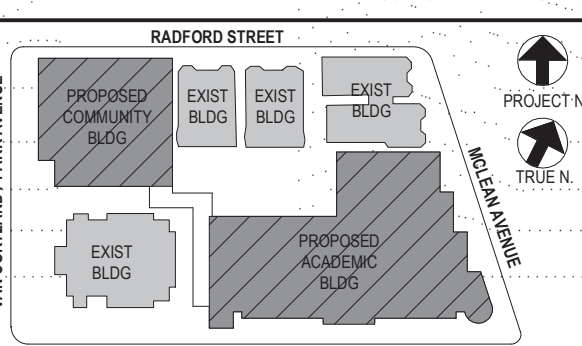
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CONSTRUCTION DOCUMENTS



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5	12/10/2021	ADDENDUM 4
4	11/01/2021	ISSUED TO BID
3	07/14/2021	CONSTRUCTION DOCS-NYSED
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN
Rev. Date Issue		

Sheet Title

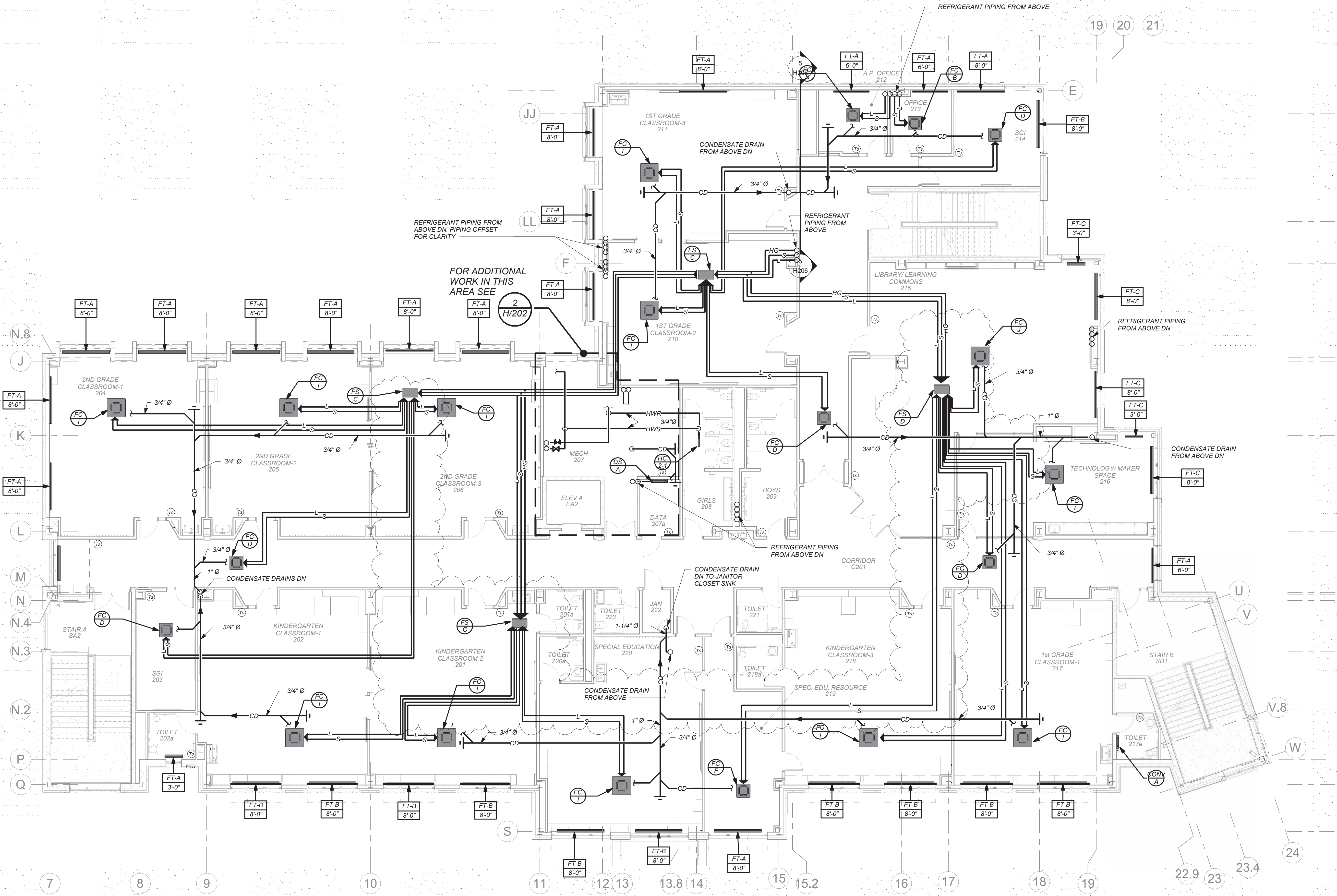
2nd Floor Piping

Job No. 2019-1026 Date 08/24/21

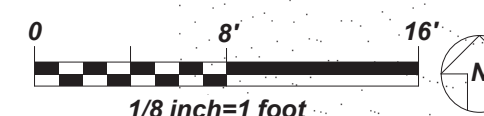
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Sheet Number

H302



1 H302 2ND FLOOR HVAC PIPING PLAN



HOT WATER PIPING:

SEE FIRST FLOOR PIPING PLAN FOR HOT WATER SUPPLY AND RETURN LOOP UPFEEDING SECOND FLOOR TERMINAL UNITS. SEE DETAIL 1H503 FOR PIPING RISER DIAGRAM.

VRF AND DUCTLESS SPLIT SYSTEMS:

THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. SPECIFIED SYSTEM IS HEAT RECOVERY TYPE WHICH REQUIRES A THIRD REFRIGERANT PIPE FROM THE OUTDOOR UNIT. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR COMPLETE AND OPERABLE SYSTEMS.

CONDENSATE PIPING:

PROVIDE CONDENSATE PIPING FOR ALL INDOOR FAN COIL EVAPORATOR UNITS AND AIR HANDLER CONDENSATE PANS. RUN CONDENSATE TO NEAREST FLOOR DRAIN OR JANITOR'S SINK. PROVIDE CONDENSATE PUMPS WHERE GRAVITY DRAINAGE IS NOT POSSIBLE, FOR COMPLETE AND OPERABLE SYSTEMS.

PROVIDE CONDENSATE PIPING FOR ALL OUTDOOR AIR HANDLERS FROM RESPECTIVE CONDENSATE PAN TO NEAREST ROOF DRAIN.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

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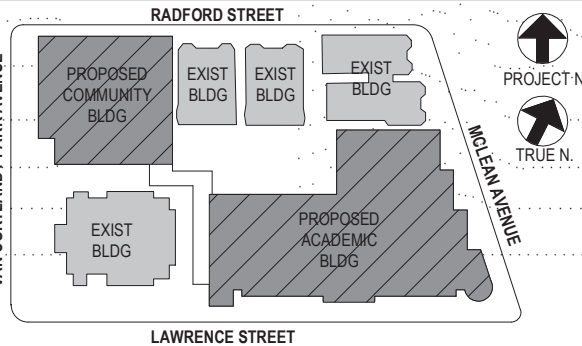
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HOT WATER PIPING:

HOT WATER SUPPLY AND RETURN LOOP SHOWN ON
PLAN OUTSIDE OF MECHANICAL ROOM IS LOCATED IN
THIRD FLOOR CEILING BELOW. SHOWN ON THIS PLAN
FOR CLARITY. UPFEED TO FOURTH FLOOR TERMINAL
UNITS. SEE DETAIL 1/H503 FOR PIPING RISER DIAGRAM.

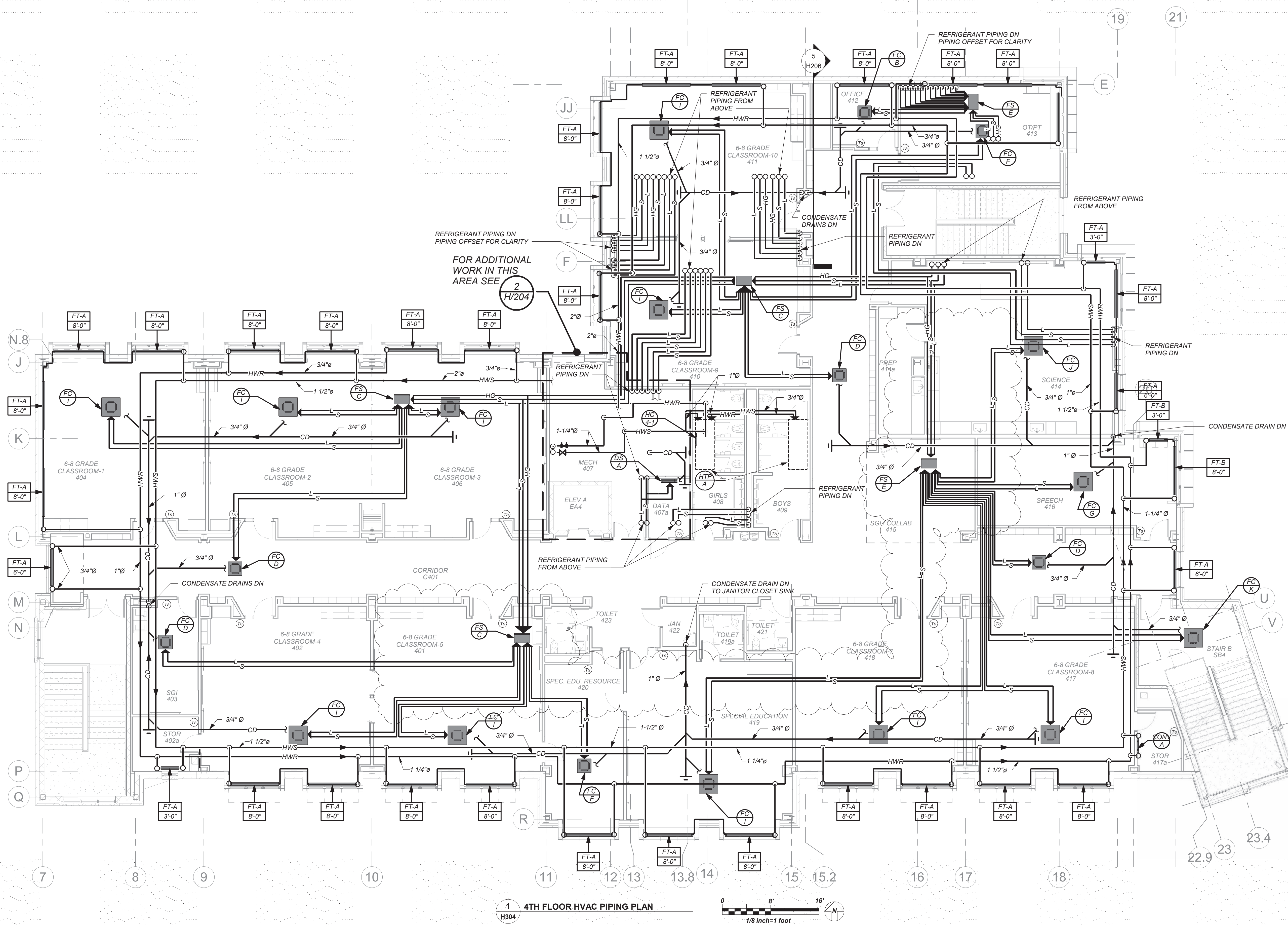
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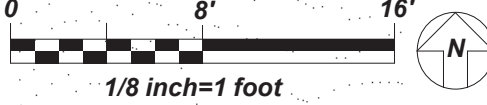
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GRAVITY DRAINAGE IS NOT POSSIBLE. FOR COMPLETE
AND OPERABLE SYSTEMS.

PROVIDE CONDENSATE PIPING FOR ALL OUTDOOR AIR
HANDLERS FROM RESPECTIVE CONDENSATE PAN TO
NEAREST ROOF DRAIN.



1 4TH FLOOR HVAC PIPING PLAN



BEFORE FABRICATION THIS CONTRACTOR SHALL
VERIFY ALL MEASUREMENTS AND CONDITIONS ON
JOB AND COORDINATE HIS WORK WITH THE WORK
OF ALL OTHER CONTRACTORS

Job No.	2019-1026	Date	08/24/21
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H304

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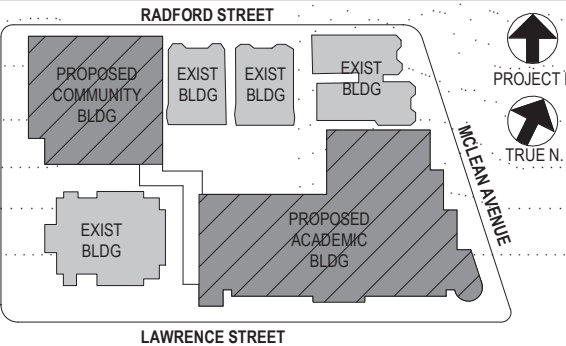
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1	08/31/2020	SCHEMATIC DESIGN
2	12/15/2020	DESIGN DEVELOPMENT
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4	11/01/2021	ISSUED TO BID
5	12/10/2021	ADDENDUM 4

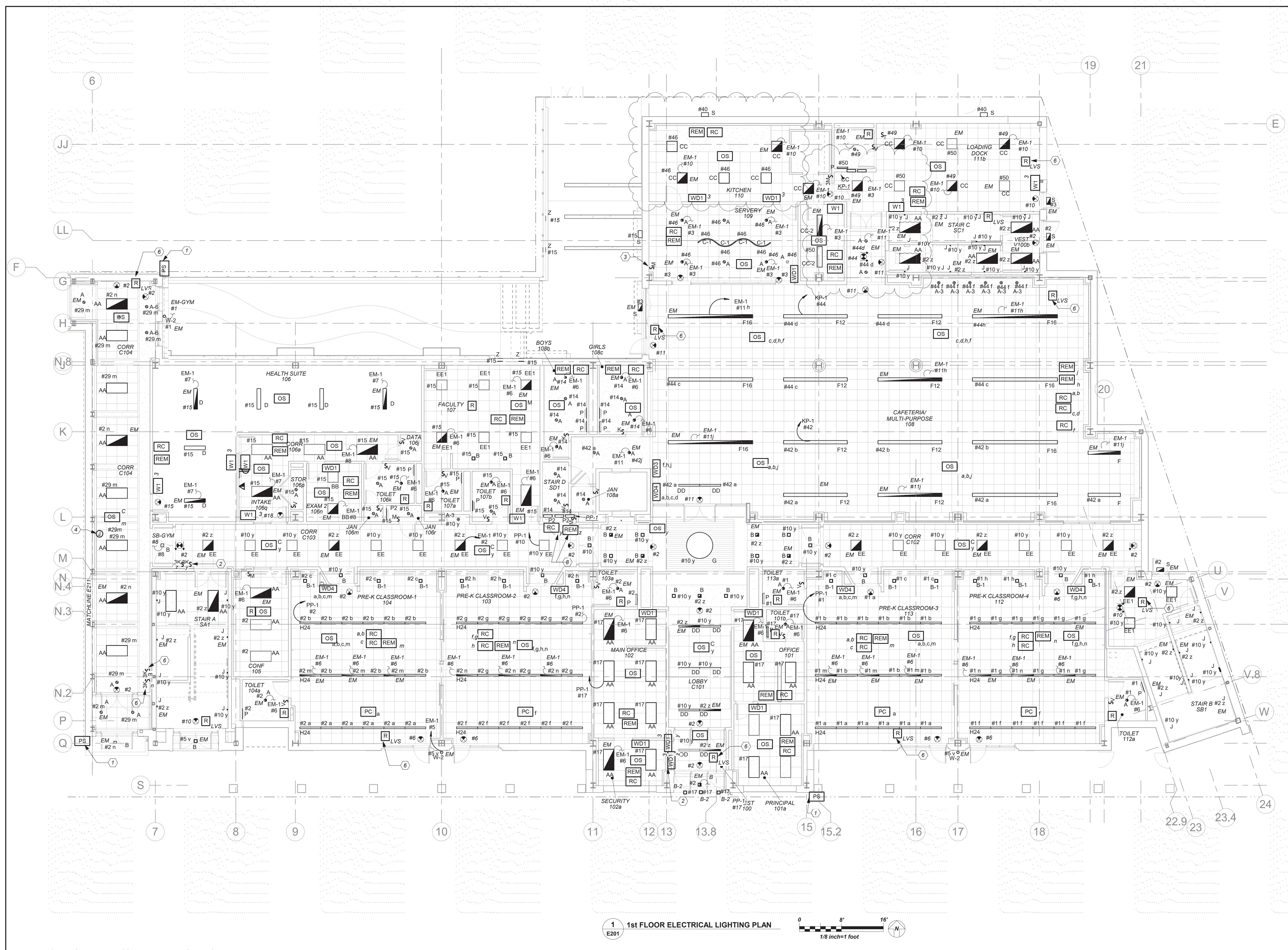
1st FLOOR ELECTRICAL LIGHTING
PLAN

Job No. 2019-1026 Date 8/31/20

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Sheet Number

E201



ELECTRICAL LIFE SAFETY AND EMERGENCY LIGHTING WORK SCOPE NOTES

1. PROVIDE NEW EXIT AND EMERGENCY LIGHTING AS REQUIRED BY CODE. PROVIDE NEW EXIT LIGHTS AND BRANCH CIRCUITRY TO SERVE EXIT LIGHTS.
2. ALL EMERGENCY LIGHTING ARE FED FROM GENERATOR WITH UL924 EMERGENCY LIGHTING RELAY TO BYPASS SWITCHING, WHICH BRINGS EMERGENCY LIGHTING FIXTURES TO FULL ILLUMINATION WHEN THERE IS A UTILITY POWER OUTAGE.
3. PROVIDE NEW EXTERIOR L.E.D. TYPE EMERGENCY LIGHT OVER EVERY EXTERIOR DOORS CONTROLLED VIA PHOTOCELL.

THEATRICAL RISER WORK NOTES- ADD ALTERNATE

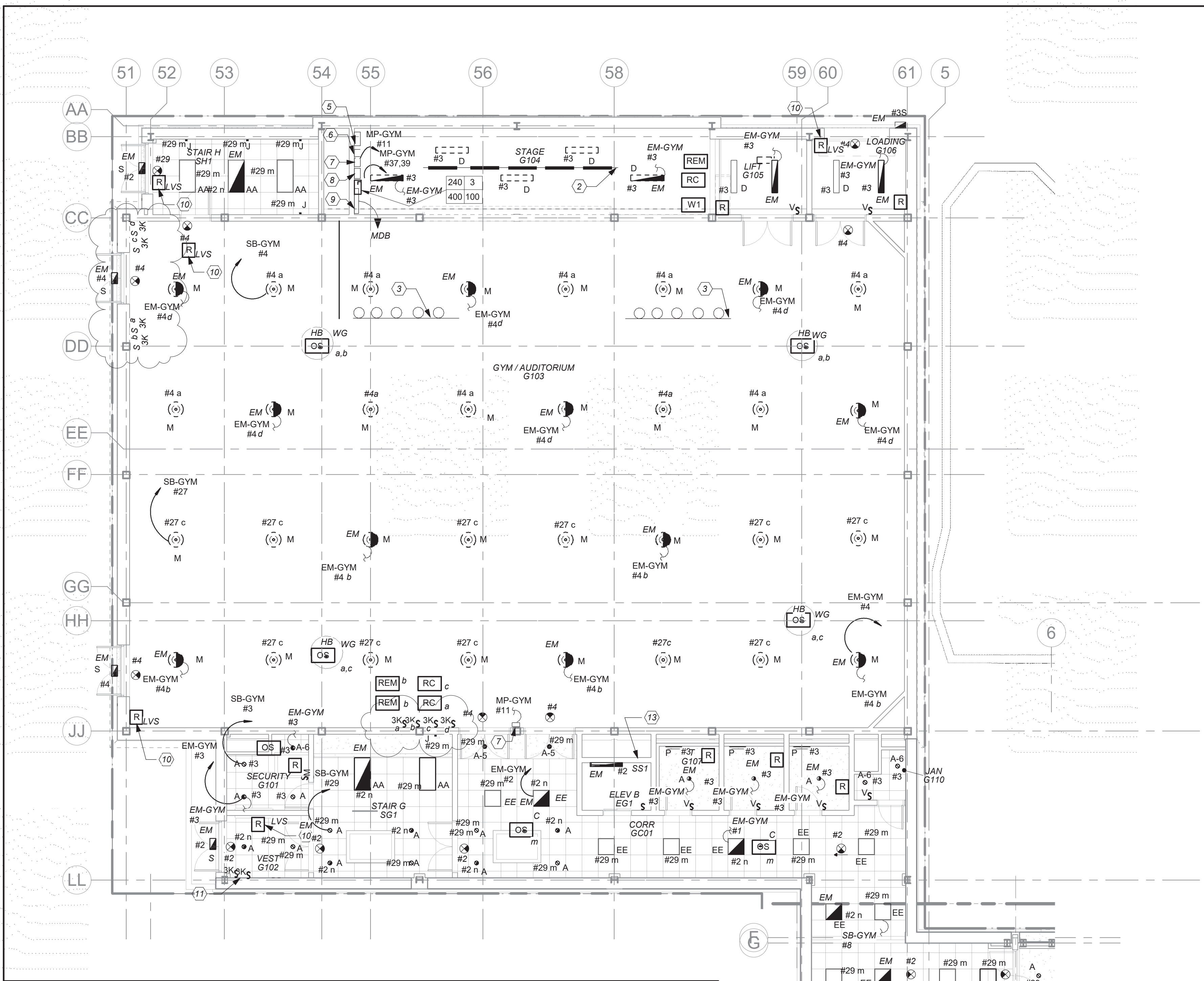
- (A) PROVIDE THEATRICAL SENSOR IQ PANEL WITH (12) 1-POLE BREAKERS. PROVIDE 4-300 KCMIL +1/2" IN 2-1/2" CONDUIT FROM DISCONNECT SWITCH TO THE MAIN DISTRIBUTION BOARD IN THE ELECTRICAL ROOM. REFER TO DRAWING E300 FOR EXACT LOCATION. PROVIDE A 3P-100 AMP BREAKER AT SPACE ON AVAILABLE ON THE BOARD. PROVIDE 4#11-1#6G-1-1/2" FROM DISCONNECT SWITCH TO FEED SENSOR IQ PANEL.
- (B) PROVIDE 2#12+1#12G TO PANEL AS SHOWN. PROVIDE A 2P-20 AMP BREAKER AT PANEL.
- (C) PROVIDE 2#12+1#12G TO PANEL AS SHOWN. PROVIDE A 1P-20 AMP BREAKER AT PANEL.
- (D) PROVIDE (2) 3/4" CONDUIT WITH 2#12+1#12 TO 1P-20A BREAKER AT IQ-20 PANEL.
- (E) PROVIDE (3) 3/4" CONDUIT WITH 2#12+1#12 TO 1P-20 BREAKER AT IQ-20 PANEL.

LIGHTING CONTROLS AND SEQUENCE OF OPERATION

1. MECHANICAL ROOMS, NORMAL LIGHTS SHALL BE CONNECTED TO ROOM CONTROLLER AND SHALL BE CONTROLLED VIA LOCAL SWITCH ONLY. EMERGENCY LIGHTING IN THESE ROOMS SHALL BE CONNECTED TO A SEPARATE ROOM CONTROLLER WITH BUILT-IN UL 924 EMERGENCY LIGHTING RELAY AND CONTROLLED VIA THE SAME LOCAL SWITCH. IN THE EVENT OF AN EMERGENCY, LIGHTS ON THE EMERGENCY ZONE AND CIRCUIT WILL BE 100% ON REGARDLESS OF SWITCH POSITION.
2. ALL COMMON AREAS SHALL BE CONTROLLED VIA LOCAL WALL SWITCHES AND OCCUPANCY SENSORS FOR JUST NORMAL LIGHTING. EMERGENCY LIGHTING IN THESE ROOMS SHALL BE CONNECTED TO A SEPARATE ROOM CONTROLLER WITH BUILT-IN UL 924 EMERGENCY LIGHTING RELAY AND CONTROLLED VIA THE SAME LOCAL SWITCH. IN THE EVENT OF AN EMERGENCY, LIGHTS ON THE EMERGENCY ZONE AND CIRCUIT WILL BE 100% ON REGARDLESS OF SWITCH POSITION.
3. ALL LOBBY, CORRIDORS, AND STAIRWELL NORMAL LIGHTS ARE CONTROLLED OVERRIDE MASTER KEY SWITCH "MA" AND LONG RANGE OCCUPANCY SENSORS (AUTO ON, AUTO OFF). IN EACH CORRIDOR WILL FUNCTION INDEPENDENTLY AS LOCAL ZONES. ALL LOBBY, CORRIDOR, AND STAIRWELL EMERGENCY LIGHTS SHALL BE CONNECTED TO A SEPARATE ROOM CONTROLLER WITH BUILT-IN UL 924 EMERGENCY LIGHTING RELAY AND CONTROLLED VIA THE SAME LOCAL SWITCH. IN THE EVENT OF AN EMERGENCY, LIGHTS ON THE EMERGENCY ZONE AND CIRCUIT WILL BE 100% ON REGARDLESS OF SWITCH POSITION.
4. EXTERIOR BUILDING MOUNTED LIGHTS ARE CONTROLLED VIA BUILT-IN PHOTOCELL AND STEP-DIM MOTION SENSORS. PROVIDE ALL REQUIRED IN BUILT BATTERY BACKUP SHALL OVERRIDE ALL SENSORS (PHOTOCELL AND OCCUPANCY SENSOR) IN THE EVENT OF EMERGENCY AT EGRESS DOORS AS SHOWN.

WORK NOTES

- (1) PROVIDE TORK 2001 SERIES PHOTOCELL WHICH IS TO BE MOUNTED ON BUILDING WALL TO OPERATE EXTERIOR EMERGENCY LIGHTING. CONTRACTOR TO AVOID MOUNTING PHOTOCELL UNDER OVERHANG.
- (2) **BASE BID:** PROVIDE A 2-1/2" CONDUIT FROM THE MAIN ELECTRICAL ROOM TO STAGE WITH DRAGWIRE. FOR THE EXACT LOCATION OF THE MAIN ELECTRICAL ROOM, REFER TO E300.
- (3) **ADD ALTERNATE:** PROVIDE COLOR SOURCE RACEWAY CONNECTOR STRIP, MANUFACTURER ETC. MODEL # CSR11-(7A/2)(4X)-RT.
- (4) **ADD ALTERNATE:** PROVIDE COLOR SOURCE RACEWAY CONNECTOR STRIP, MANUFACTURER ETC. MODEL # CSR27-(9A/3)-RT.
- (5) **ADD ALTERNATE:** PROVIDE COLOR SOURCE CONSOLE, MANUFACTURER ETC. MODEL # CS40AV WITH LCD MONITOR.
- (6) **ADD ALTERNATE:** PROVIDE STAGE MANAGER'S PANEL, MANUFACTURER ETC. MODEL # ETS-LC-7186A1120.
- (7) **ADD ALTERNATE:** PROVIDE ETC CONSOLE PLUG IN.
- (8) **ADD ALTERNATE:** PROVIDE CONTROL EQUIPMENT DIN 14 WALL MOUNTED WITH 14"x14" ENCLOSURE.
- (9) **ADD ALTERNATE:** PROVIDE THEATRICAL SENSOR IQ PANEL WITH (12) 1-POLE BREAKERS. PROVIDE 4-300 KCMIL +1/2" IN 2-1/2" CONDUIT FROM DISCONNECT SWITCH TO THE MAIN DISTRIBUTION BOARD IN THE ELECTRICAL ROOM. REFER TO DRAWING E300 FOR EXACT LOCATION. PROVIDE A 3P-100 AMP BREAKER AT SPACE ON AVAILABLE ON THE BOARD. PROVIDE 4#11-1#6G-1-1/2" FROM DISCONNECT SWITCH TO FEED SENSOR IQ PANEL.
- (10) RELAY SHALL CONTROL EXTERIOR EGRESS EMERGENCY LIGHTS.
- (11) 3 WAY KEYED SWITCHES SHALL CONTROL CORRIDOR LIGHTING FOR THE ENTIRE COMMUNITY BUILDING CORRIDOR LIGHTING. REFER TO E201 FOR ADDITIONAL SWITCHING AND CONTROLS. COORDINATE EXACT LOCATION BEFORE THE START OF ANY WORK.
- (12) NOT USED.
- (13) PROVIDE 4' STRIP LIGHTING 4000 LUMENS, 4000K COLOR TEMPERATURE, 0-10V DIMMING, CONNECT TO EMERGENCY LIGHT CIRCUIT MANUFACTURED BY COLUMBIA MODEL# LCS-4040. EXACT LOCATION OF ELEVATOR SHAFT LIGHTING FIXTURE INSTALLATION SHALL BE COORDINATED WITH VENDOR BEFORE THE START OF ANY WORK. PROVIDE A LIGHT SWITCH NEAR LADDER AND COORDINATE EXACT LOCATION WITH VENDOR BEFORE THE START OF ANY WORK.



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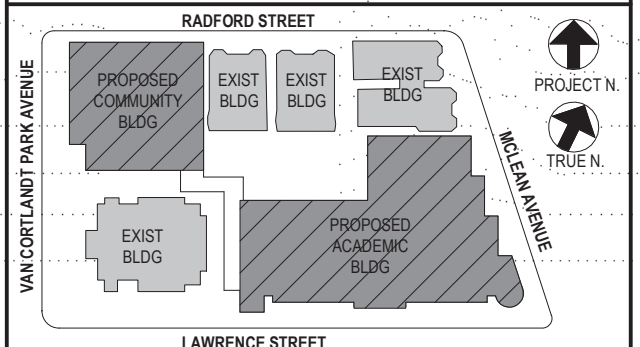


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1. MECHANICAL ROOMS NORMAL LIGHTS SHALL BE CONNECTED TO ROOM CONTROLLER AND SHALL BE CONTROLLED VIA LOCAL SWITCH ONLY. EMERGENCY LIGHTING IN THESE ROOMS SHALL BE CONNECTED TO A SEPARATE ROOM CONTROLLER.

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COMM. WING-BASEMENT ELEC.
LIGHTING PLAN ADD ALTERNATE

Job No.	Date
2019-1026	10/18/21

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Sheet Number

E213

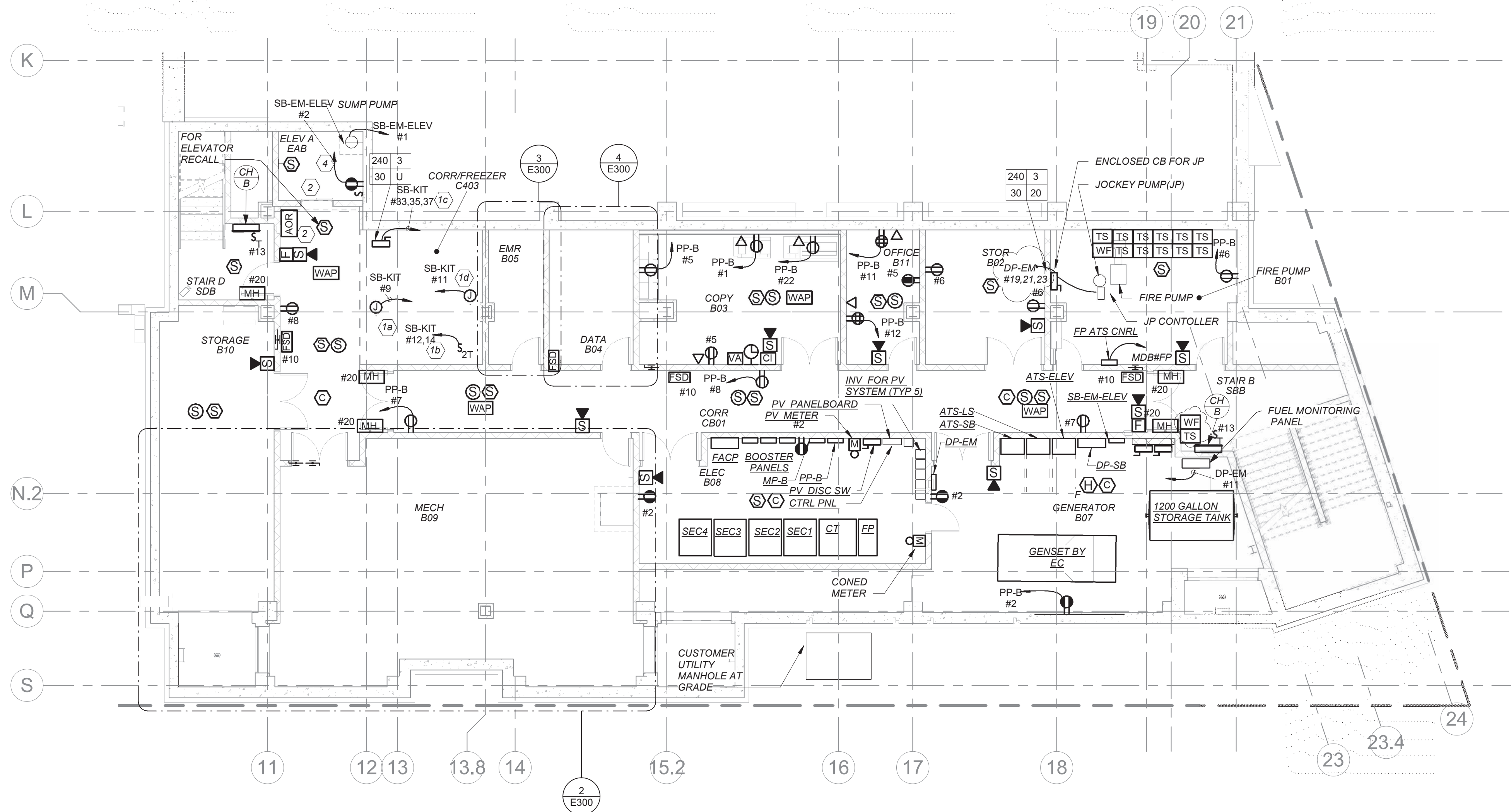
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GENERAL NOTES:

1. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DRAWING E300 SERIES, FOR SCOPE OF WORK.
2. REFER TO PANELBOARD SCHEDULE ON DRAWING E300 SERIES FOR BRANCH CIRCUITING INFORMATION.
3. REFER TO DRAWING E700 SERIES FOR DETAILS.

WORK NOTES:

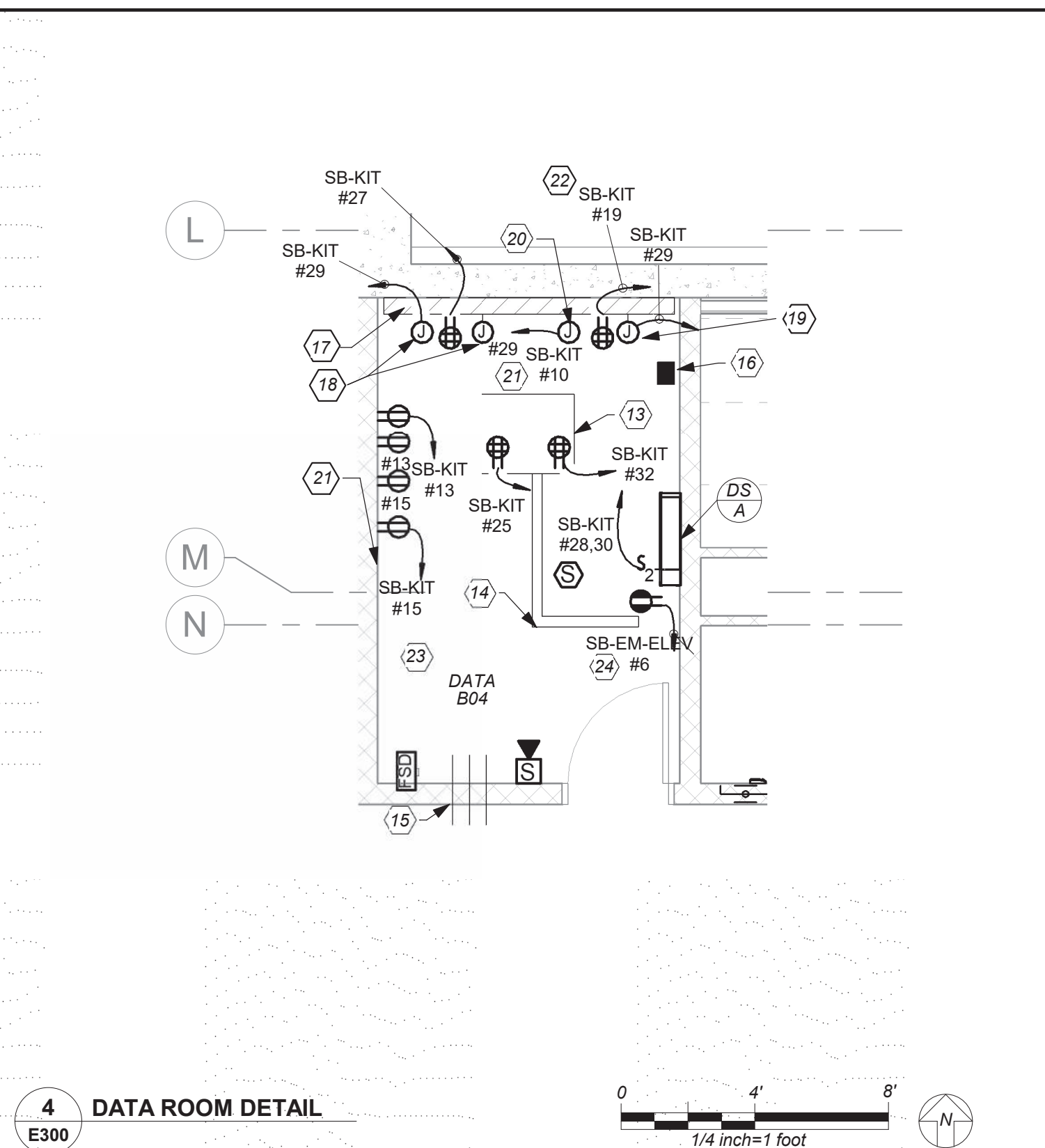
1. PROVIDE THE FOLLOWING BRANCH CIRCUIT FOR WALK-IN FREEZER PER FOLLOWING
 - (1a) CIRCUIT FOR NEW WALK-IN COOLER VAPOR TIGHT LIGHT FIXTURE SHALL BE FURNISHED WITH FREEZER AND EC SHALL INSTALL AND WIRE. ACCOMMODATE ALL REQUIREMENTS FOR EXPANDING FOAM SEALANT INSIDE CONDUIT AT PANEL PENETRATIONS TO AVOID CONDENSATE ACCUMULATION INSIDE LIGHT FIXTURES. REFER TO DETAILS ON KITCHEN DRAWING KA SERIES FOR ADDITIONAL INFORMATION.
 - (1b) CIRCUIT FOR NEW WALK-IN COOLER EVAPORATOR COIL. COORDINATE IN FIELD FOR MOUNTING LOCATION. E.C. SHALL INSTALL 5 WIRE CONTROL WIRING FROM DEFROST TIME CLOCK TO DEFROST HEATER ON COOLER EVAPORATOR COIL.
 - (1c) CIRCUIT FOR NEW CONDENSING UNITS FOR WALK-IN FREEZER. COORDINATE IN FIELD FOR EXACT MOUNTING LOCATION.
 - (1d) E.C. TO CONNECT ELECTRIC HEAT WRAP TAPE ON FREEZE EVAPORATOR COIL DRAIN LINE FURNISHED BY OTHERS.
2. BEFORE THE START OF ANY WORK EC, GC AND ELEVATOR VENDOR/TECH SHALL COORDINATE THE EXACT LAYOUT OF ELEVATOR EQUIPMENT AND DEVICES WITHIN EMR, ELEVATOR SHAFT TOP AND PIT. THIS INCLUDES AND IS NOT LIMITED TO RECEPTACLES, SWITCHES, LIGHTS, DISC SWITCHES ETC.
3. PROVIDE DIRECT OUTSIDE PHONE LINE FROM ELEVATOR TO DATA ROOM.
4. COORDINATE WITH ELEVATOR VENDOR FOR ALL ELEVATOR REQUIREMENTS AND INCLUDE ALL POWER AND CONTROL WIRING FOR A COMPLETE INSTALLATION. PROVIDE ALL POWER AND CONTROL WIRING REQUIRED BETWEEN ELEVATOR, ELEVATOR MACHINE ROOM AND GENERATOR ROOM.
5. DISCONNECT SWITCH TO FEED ELEVATOR CAR. PROVIDE DRY CONTACT WITH 2#18 - 3/4" C FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
6. RESCUE ASSISTANCE SYSTEM. REFER TO RISER ON DRAWING E503.
7. DISCONNECT SWITCH FOR ELEVATOR CAR LIGHT. PROVIDE DRY CONTACT WITH 2#18 - 3/4" C FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
8. NOT USED.
9. PROVIDE FIRE ALARM CONTROL RELAY/INTERFACE MONITORING MODULE. ONE FOR FIRE ALARM RECALL/ALTERNATE RECALL AND ONE FOR FIRE HAZALT HAT. MUST BE NORMALLY CLOSED AND CONNECTED TO SET OF DRY CONTACTS WITH CONTROLLER.
10. PROVIDE FIRE ALARM CONTROL RELAY/INTERFACE MONITORING MODULE FOR DISCONNECT TO MONITOR THE POSITION OF MAINLINE DISCONNECT FOR GENERATOR BACKUP.
11. ELECTRICAL CONTRACTOR SHALL PROVIDE AND CONTINUE FEEDER & CONDUIT CONNECTION FROM MAINLINE POWER DISCONNECT TO ELEVATOR CONTROLLER. COORDINATE WITH ELEVATOR VENDOR AND ARCHITECT BEFORE START OF WORK.
12. ELECTRICAL CONTRACTOR SHALL PROVIDE AND CONTINUE FEEDER & CONDUIT CONNECTION FROM CAB LIGHT DISCONNECT TO ELEVATOR CONTROLLER. COORDINATE WITH ELEVATOR VENDOR AND ARCHITECT BEFORE START OF WORK.
13. NEW 19" RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
14. PROVIDE LADDER 12" WIDE X 12" RUNG SPACING IN CLOSET CONNECTING TO RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
15. PROVIDE NEW (3) 4" CONDUIT SLEEVE THROUGH WALL TO ABOVE CORRIDOR CEILING FOR NEW HORIZONTAL CABLING PATHWAY.
16. FOR FLOOR PENETRATION PROVIDE ONE (1) STIEZ PATH #F-A-3054 FIRE STOP DEVICE MODULE. COORDINATE PENETRATION WITH STRUCTURAL ENGINEER BEFORE START OF ANY WORK.
17. PROVIDE TWO (2) NEW 4'X8'X3/4" PLYWOOD PAINTED BLACK WITH FIRE RETARDANT PAINT. COORDINATE EXACT MOUNTING LOCATION WITH YONKERS IT DEPT. AND ITS LARSON BEFORE START OF ANY WORK.
18. PROVIDE JUNCTION BOX FOR TWO (2) LOCK PIS REFER TO ITS LARSON DRAWINGS SE-300 AND COORDINATE WITH ITS LARSON BEFORE START OF ANY WORK.
19. PROVIDE JUNCTION BOX FOR ILDA INTERFACE REFER TO ITS LARSON DRAWINGS SE-300.
20. PROVIDE JUNCTION BOX FOR BURGLAR ALARM INTERFACE REFER TO ITS LARSON BEFORE START OF ANY WORK.
21. PROVIDE FOR CCTV DATA RACK. REFER TO ITS LARSON DRAWINGS SE-300.
22. THESE RECEPTACLES ARE FOR IT EQUIPMENT. COORDINATE WITH YONKERS IT DEPT FOR EXACT MOUNTING LOCATIONS BEFORE START OF ANY WORK.
23. THIS CONTRACTOR IS RESPONSIBLE FOR ALL LOW VOLTAGE WIRING INTERCONNECTION FOR IT AND SECURITY FROM ALL DEVICES TO PATCH PANEL INCLUDING BUT NOT LIMITED TO DEVICE INSTALLATION, SUPPORT BRACKETS, JUNCTION BOXES, WIRING SUPPORTS, LABELING TAGGING ETC. REFER TO ITS LARSON DRAWINGS SERIES SE FOR ALL REQUIREMENTS INCLUDED IN THIS CONTRACTORS SCOPE.
24. PROVIDE CEILING MOUNTED GFI OUTLET FOR CONDENSATE PUMP COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR BEFORE INSTALLING THE OUTLET.



1 BASEMENT POWER AND FA PLAN

0 8' 16'

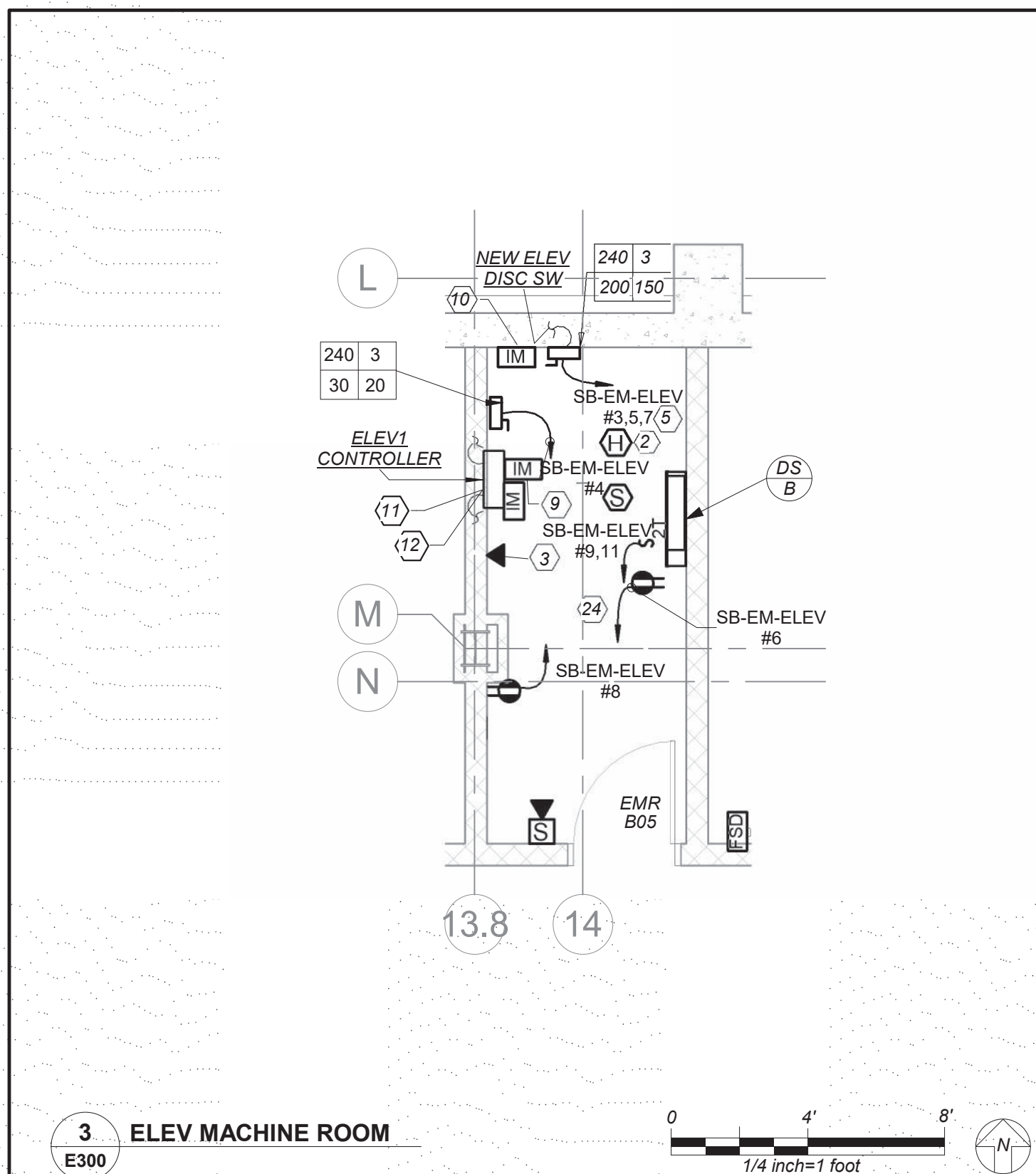
1/8 inch=1 foot



4 DATA ROOM DETAIL

0 4' 8'

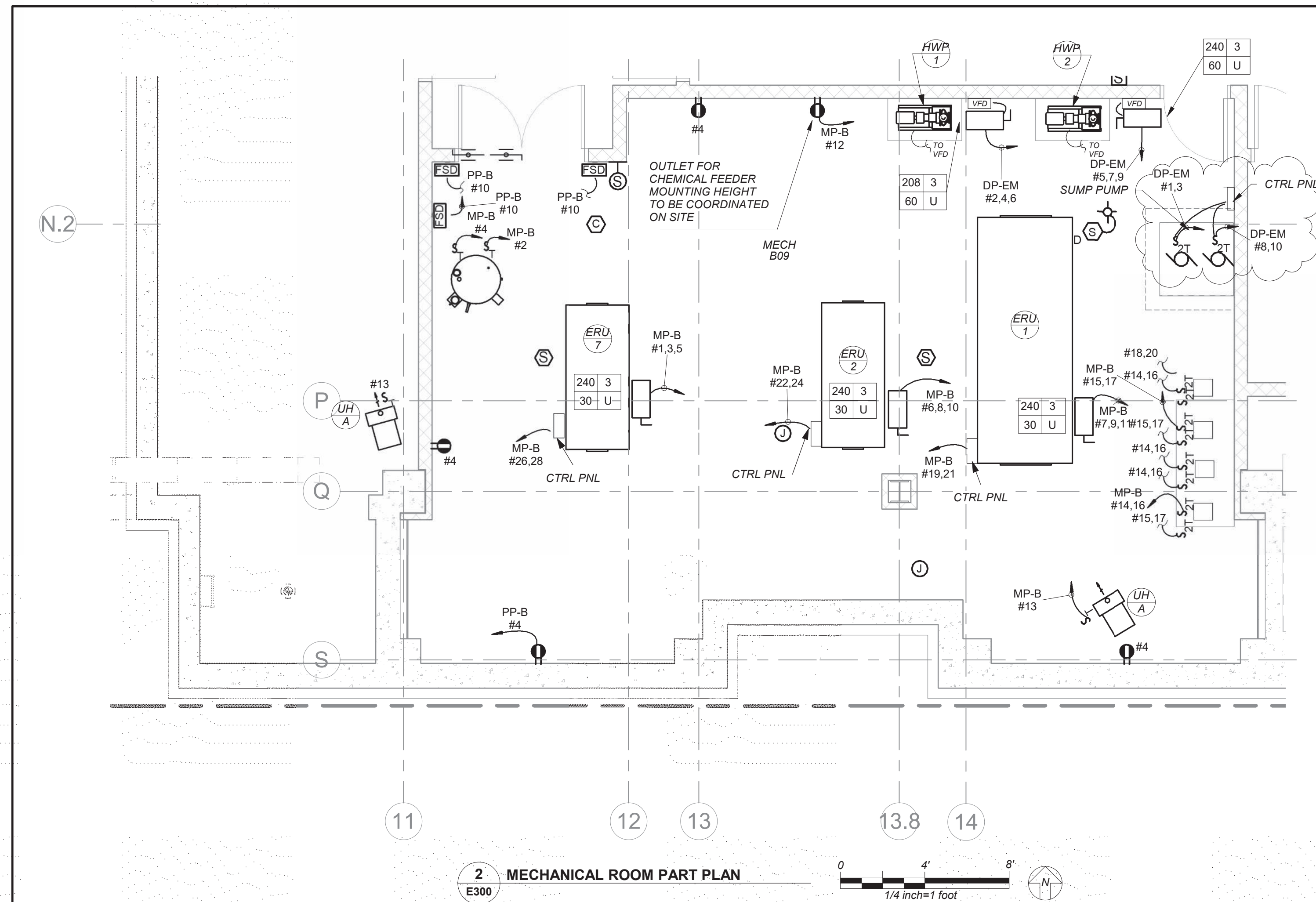
1/4 inch=1 foot



3 ELEV MACHINE ROOM

0 4' 8'

1/4 inch=1 foot



2 MECHANICAL ROOM PART PLAN

0 4' 8'

1/4 inch=1 foot

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

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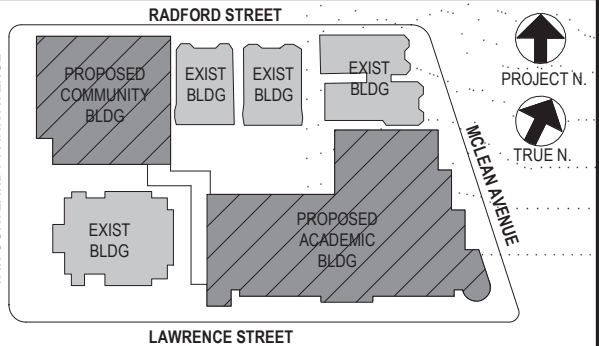
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CONSTRUCTION DOCUMENTS

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CONSULTING ENGINEERS
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5	12/10/2021	ADDENDUM 4
4	11/01/2021	ISSUED TO BID
3	07/14/2021	CONSTRUCTION DOCS-NYSED
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN

Sheet Title

BASEMENT POWER AND FA PLAN

Job No.	2019-1026	Date	8/31/20
Scale	AS NOTED	Drawn / Checked	BGA/ BGA
Sheet Number			

E300

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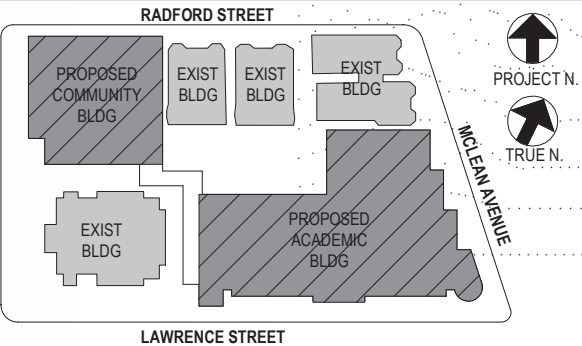
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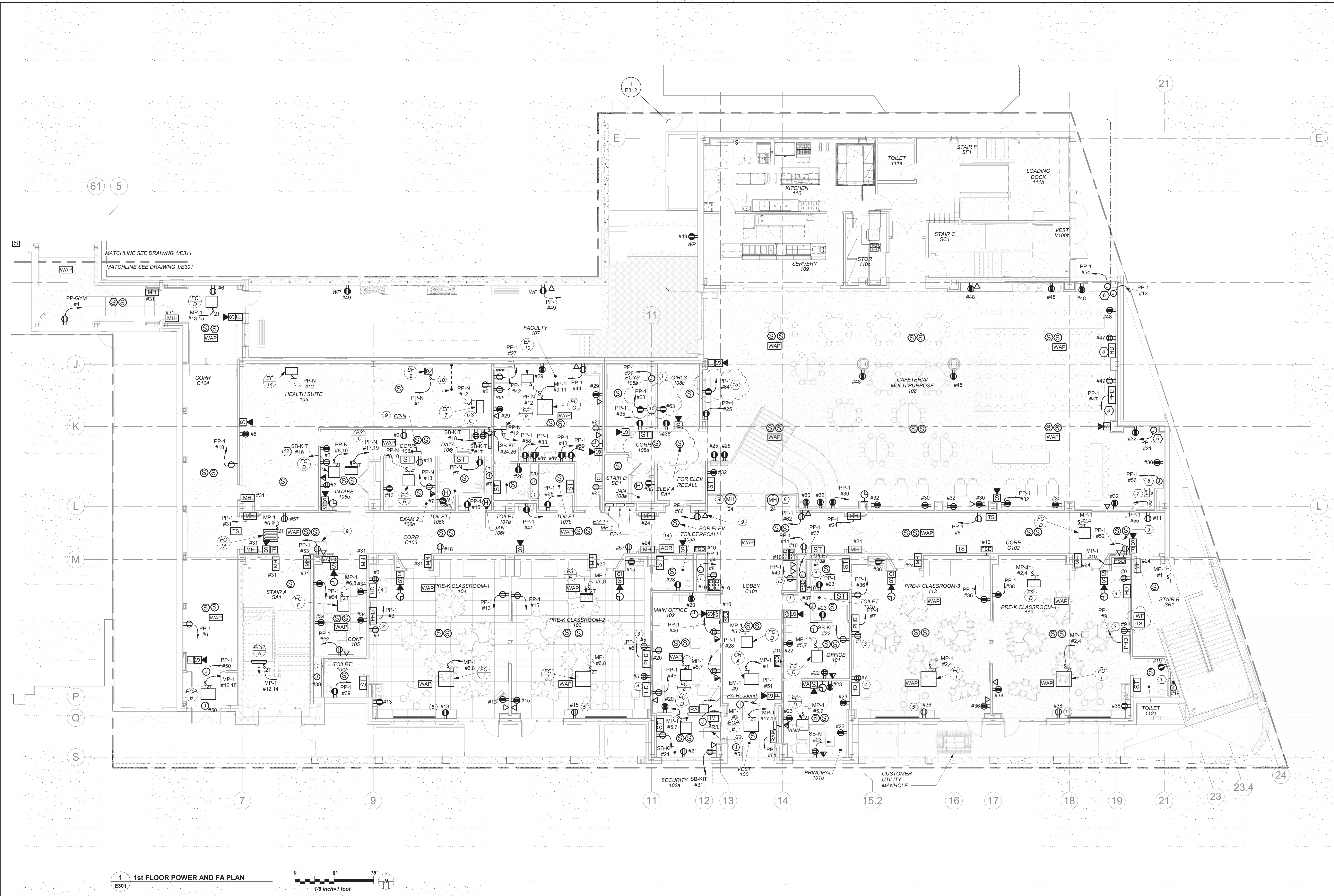
1st FLOOR POWER AND FA PLAN

Job No. 2019-1026 Date 8/31/20

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Sheet Number

E301



WORK NOTES.

- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF JUNCTION BOX TO SERVE THE POWER SUPPLY FOR AUTOMATIC FLUSH VALVE PRIOR TO THE START OF ANY WORK WITH PLUMBING CONTRACTOR. POWER SUPPLY FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE 120V CIRCUIT AND ALL LOW VOLTAGE WIRING ON THE LOAD SIDE OF POWER SUPPLY BY PLUMBING CONTRACTOR.
- NOT USED.
- PROVIDE DUPLEX RECEPTACLES 18" AFF CENTERED DIRECTLY BELOW "PHD". COORDINATE LOCATION OF SMART BOARD AND DUPLEX RECEPTACLE WITH OWNER/ARCHITECT BEFORE THE START OF ANY WORK.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT FOR THE TEACHER'S DESK WITH OWNER/ARCHITECT BEFORE THE START OF ANY WORK.
- COUNTER HEIGHT RECEPTACLE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT/OWNER BEFORE THE START OF ANY WORK.
- PROVIDE CEILING MOUNTED JUNCTION BOXES FOR MOTORIZED SHADES AT EACH WINDOW IN THE CAFETERIA. COORDINATE WITH SHADE MANUFACTURER FOR EXACT REQUIREMENTS. ELECTRICAL CONTRACTOR TO PROVIDE ALL INTER-CONNECTIONS BETWEEN THE MOTOR AND CONTROLLER. COORDINATE WITH ARCHITECT/OWNER BEFORE START OF ANY WORK. REFER TO DETAIL 2 ON DRAWING E705 FOR ADDITIONAL INFORMATION.
- LOCATION FOR MOTORIZED SHADES CONTROLLER AND KEY PAD. EXACT LOCATION TO BE CONFIRMED WITH ARCHITECT BEFORE START OF ANY WORK.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL FLOOR MOUNTED MAGNETIC DOOR HOLDERS. COORDINATE ALL FLOOR TRENCHING AND EXACT LOCATIONS WITH ARCHITECT BEFORE START OF ANY WORK.
- THE DUPLEX RECEPTACLE AND DATA DROP IS FOR A WALL MOUNTED DISPLAY SCREEN. EXACT MOUNTING HEIGHT SHOULD BE COORDINATED WITH OWNER/ARCHITECT BEFORE THE START OF ANY WORK.
- PROVIDE 1" CONDUIT STUBBED UP IN FLOOR 4" ABOVE GRADE AND STUBBED UP 6" ABOVE CEILING. INSTALL PRIOR TO CONCRETE SLAB BEING POURED.
- PROVIDE POWER FOR FIRE SHUTTERS AND INTERCONNECT WITH RAISE AND LOWER SWITCH. FIRE SHUTTER SHALL BE INTERCONNECTED WITH FIRE ALARM VIA INTERFACE MODULE AS SHOWN. COORDINATE FINAL LOCATION WITH VENDOR AND CONSTRUCTION MANAGER.
- APPROX LOCATION FOR THE REFRIGERATOR. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER BEFORE START OF ANY WORK.
- LOCATION FOR SOLAR POWER DISPLAY UNIT. PROVIDE (1) POWER AND (2) DATA DROPS. PROVIDE (1) CAT 6 CABLE FROM THIS LOCATION TO THE SOLAR CONTROL PANEL LOCATED IN THE MAIN ELECTRICAL ROOM IN BASEMENT LEVEL AND (2) CAT 6 CABLE FROM THIS LOCATION TO THE MDF LOCATED IN THE BASEMENT LEVEL. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER BEFORE START OF ANY WORK.
- RESCUE ASSISTANCE SYSTEM. REFER TO RISER ON DRAWING E503.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF GFI OUTLET BELOW THE SINK TO SERVE THE POWER SUPPLY FOR AUTOMATIC FAUCET PRIOR TO THE START OF ANY WORK WITH PLUMBING CONTRACTOR. POWER SUPPLY FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE 120V CIRCUIT AND ALL LOW VOLTAGE WIRING ON THE LOAD SIDE OF POWER SUPPLY BY PLUMBING CONTRACTOR.

GENERAL NOTES:

- REFER TO ELECTRICAL POWER RISER ON DRAWING E501 FOR SCOPE OF WORK. FOR FIRE ALARM RISER DIAGRAM, REFER TO DRAWING E502.
- REFER TO DRAWINGS E600 SERIES FOR PANELBOARD SCHEDULES FOR BRANCH CIRCUITING INFORMATION.
- REFER TO DRAWINGS E700 SERIES FOR DETAILS.
- ELECTRICAL CONTRACTOR TO COORDINATE EXACT MOUNTING HEIGHTS OF SMART BOARD POWER AND DATA WITH ARCHITECT/OWNER BEFORE START OF ANY WORK.
- ALL STANDBY RECEPTACLES FED FROM STANDBY PANELS SHALL BE RED IN COLOR FOR VISUAL IDENTIFICATION.
- ALL MAGNETIC HOLDERS TO BE FURNISHED BY GENERAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

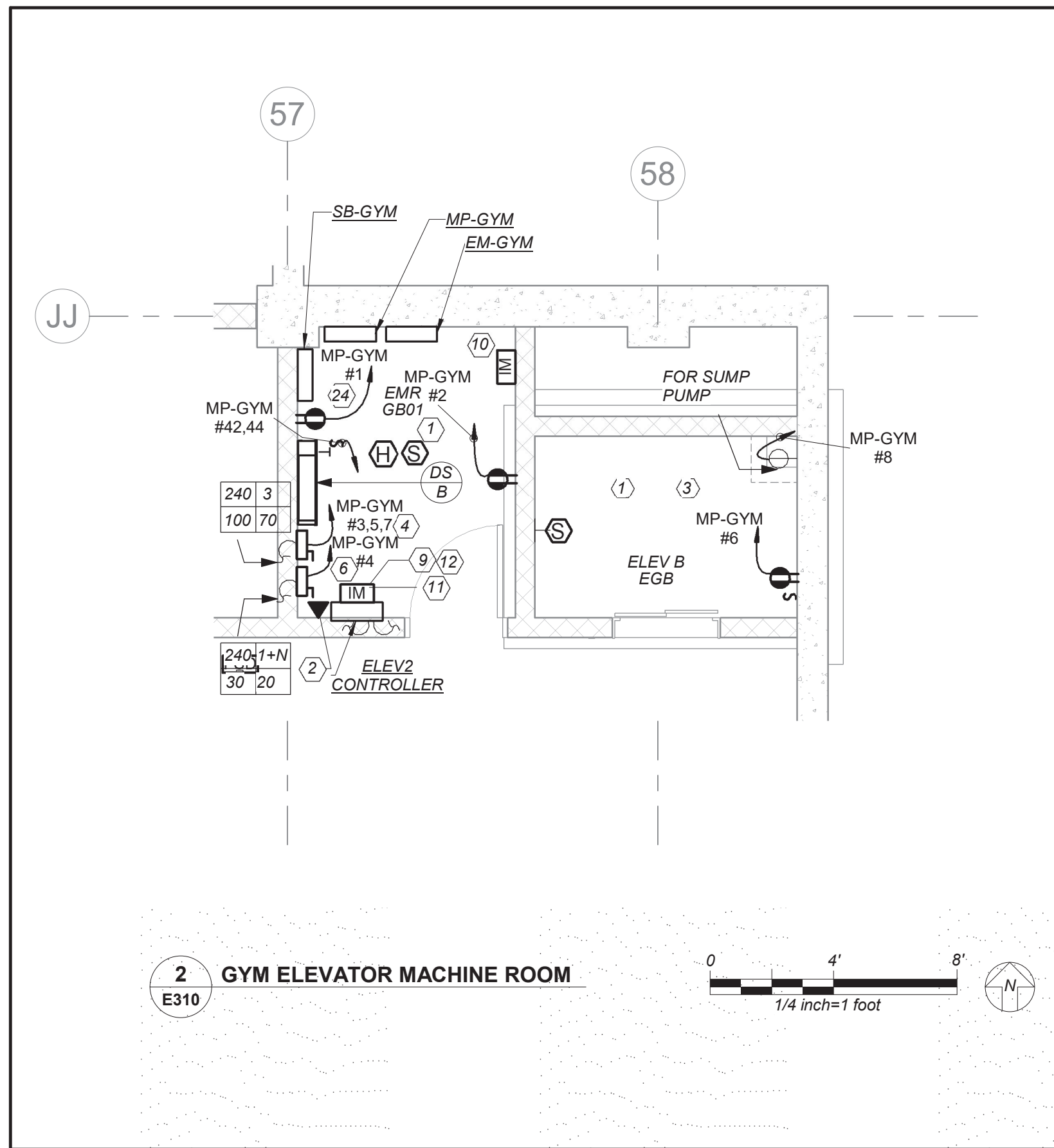
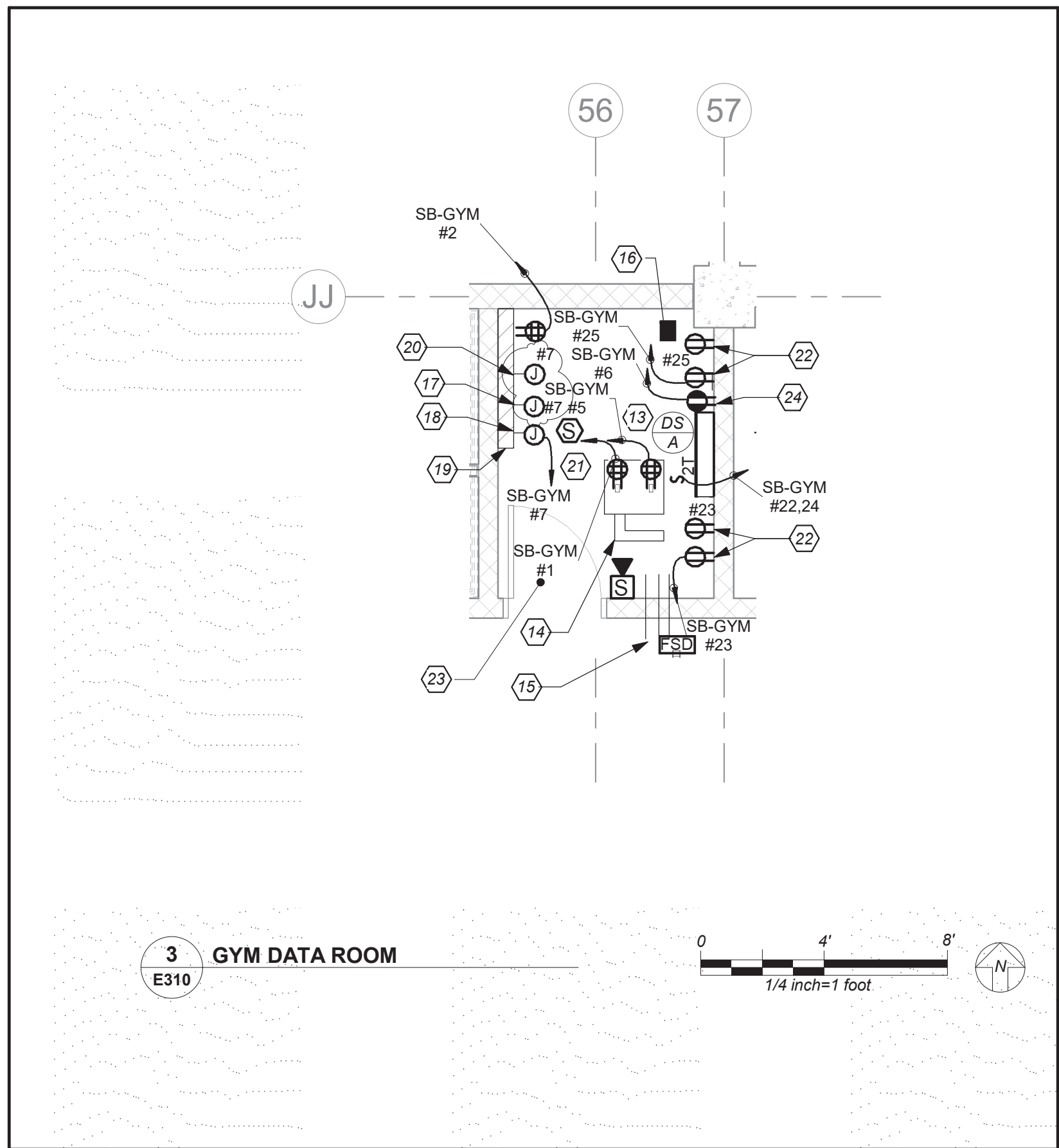
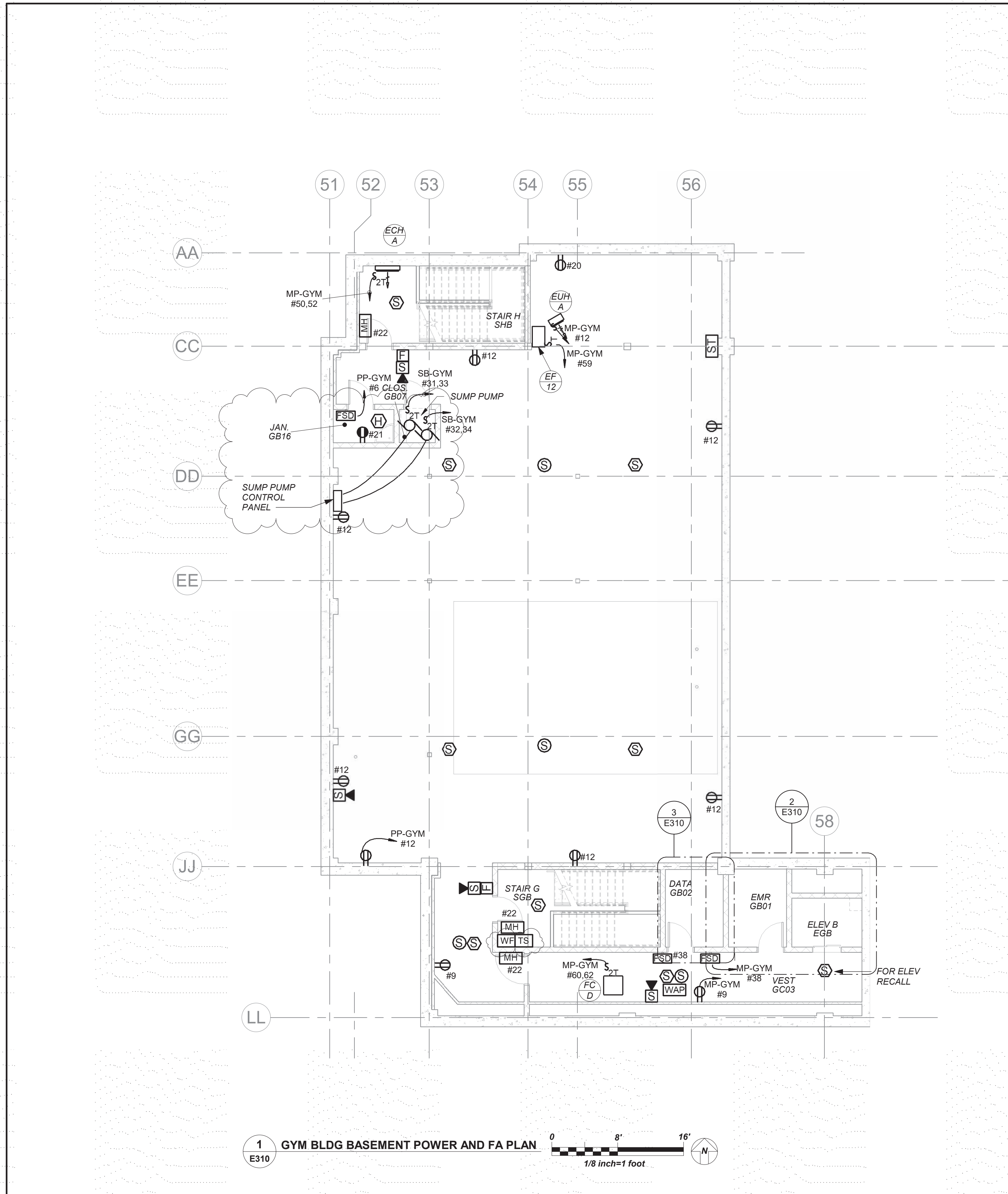
GENERAL NOTES:

1. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DRAWING E500 SERIES, FOR SCOPE OF WORK.
2. REFER TO PANELBOARD SCHEDULE ON DRAWING E600 SERIES FOR BRANCH CIRCUITING INFORMATION.
3. REFER TO DRAWING E700 SERIES FOR DETAILS.

WORK NOTES:

1. BEFORE THE START OF ANYWORK EC, GC AND ELEVATOR VENDOR/TECH SHALL COORDINATE THE EXACT LAYOUT OF ELEVATOR EQUIPMENT AND DEVICES WITHIN EMR, ELEVATOR SHAFT TOP AND PIT. THIS INCLUDED AND NOT LIMITED TO RECEPTACLES, SWITCHES, LIGHTS, DISC SWITCHES, ETC.
2. PROVIDE DIRECT OUTSIDE PHONE LINE FROM ELEVATOR TO DATA ROOM.
3. COORDINATE WITH ELEVATOR VENDOR FOR ALL ELEVATOR REQUIREMENTS INCLUDING ALL POWER AND CONTROL WIRING FOR A COMPLETE INSTALLATION. PROVIDE ALL POWER AND CONTROL WIRING REQUIRED BETWEEN ELEVATOR AND ELEVATOR MACHINE ROOM.
4. DISCONNECT SWITCH TO FEED ELEVATOR CAR. PROVIDE DRY CONTACT WITH 2#18 - 3/4" C FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
5. NOT USED.
6. DISCONNECT SWITCH FOR ELEVATOR CAR LIGHT. PROVIDE DRY CONTACT WITH 2#18 - 3/4" C FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
7. NOT USED.
8. NOT USED.
9. PROVIDE FIRE ALARM CONTROL RELAY/INTERFACE MONITORING MODULE. ONE FOR FIRE ALARM RECALL/ALTERNATE RECALL AND ONE FOR FIRE HATA/ALT HAT. MUST BE NORMALLY CLOSED AND CONNECTED TO SET OF DRY CONTACTS WITH CONTROLLER.
10. PROVIDE FIRE ALARM CONTROL RELAY/INTERFACE MONITORING MODULE FOR DISCONNECT TO MONITOR.
11. ELECTRICAL CONTRACTOR SHALL PROVIDE AND CONTINUE FEEDER & CONDUIT CONNECTION FROM MAINLINE POWER DISCONNECT TO ELEVATOR CONTROLLER. COORDINATE WITH ELEVATOR VENDOR AND ARCHITECT BEFORE START OF WORK.
12. ELECTRICAL CONTRACTOR SHALL PROVIDE AND CONTINUE FEEDER & CONDUIT CONNECTION FROM CAB LIGHT DISCONNECT TO ELEVATOR CONTROLLER. COORDINATE WITH ELEVATOR VENDOR AND ARCHITECT BEFORE START OF WORK.

13. NEW 19" RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
14. PROVIDE LADDER 12" WIDE X 12" RUNG SPACING INCLOSET CONNECTING TO RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
15. PROVIDE NEW (3) 4" CONDUIT SLEEVE THROUGH WALL TO ABOVE CORRIDOR CEILING FOR NEW HORIZONTAL CABLING PATHWAY.
16. FOR FLOOR PENETRATION PROVIDE ONE (1) STI EZ PATH #F-A-3054 FIRE STOP DEVICE MODULE. COORDINATE PENETRATION WITH STRUCTURAL ENGINEER BEFORE START OF ANY WORK.
17. PROVIDE JUNCTION BOX FOR LOCK P/S REFER TO ITG LARSON DRAWINGS SE-300
18. PROVIDE JUNCTION BOX FOR ILDA P/S REFER TO ITG LARSON DRAWINGS SE-300
19. PROVIDE ONE (1) NEW 4'X8'X3/4" PLYWOOD PAINTED BLACK WITH FIRE RETARDANT PAINT.
20. PROVIDE JUNCTION BOX FOR BURGLAR ALARM INTERFACE REFER TO ITG LARSON BEFORE START OF ANYWORK.
21. PROVIDE FOR CCTV ON DATA RACK. REFER TO ITG LARSON DRAWINGS SE-300.
22. THESE RECEPTACLES ARE FOR IT EQUIPMENT. COORDINATE WITH YONKERS IT DEPT FOR EXACT MOUNTING LOCATIONS BEFORE START OF ANY WORK.
23. THIS CONTRACTOR IS RESPONSIBLE FOR ALL LOW VOLTAGE WIRING INTERCONNECTION FOR IT AND SECURITY FROM ALL DEVICES TO PATCH PANEL INCLUDING BUT NOT LIMITED TO DEVICE INSTALLATION, SUPPORT BRACKETS, JUNCTION BOXES, WIRING SUPPORTS, LABELING TAGGING ETC. REFER TO ITG LARSON DRAWINGS SERIES 'SE' FOR ALL REQUIREMENTS INCLUDED IN THIS CONTRACTORS SCOPE.
24. PROVIDE CEILING MOUNTED GFI OUTLET FOR CONDENSATE PUMP COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR BEFORE INSTALLING THE OUTLET.



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

NEW COMMUNITY SCHOOL AT THE ST DENIS SITE

YONKERS JOINT SCHOOL CONSTRUCTION BOARD
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Yonkers, NY 10705



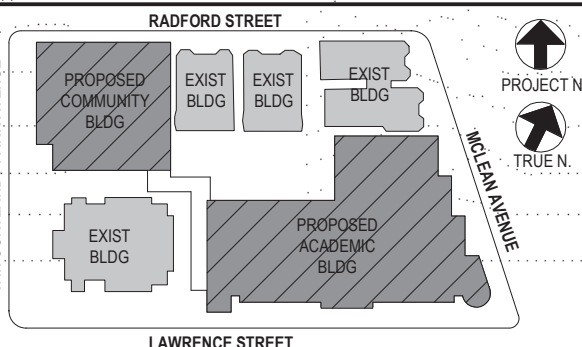
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66-23-00-01-0-346-001

CONSTRUCTION DOCUMENTS



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No.	Date	Issue
5	12/10/2021	ADDENDUM 4
4	11/01/2021	ISSUED TO BID
3	07/14/2021	CONSTRUCTION DOCS-NYSED
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN

Sheet Title

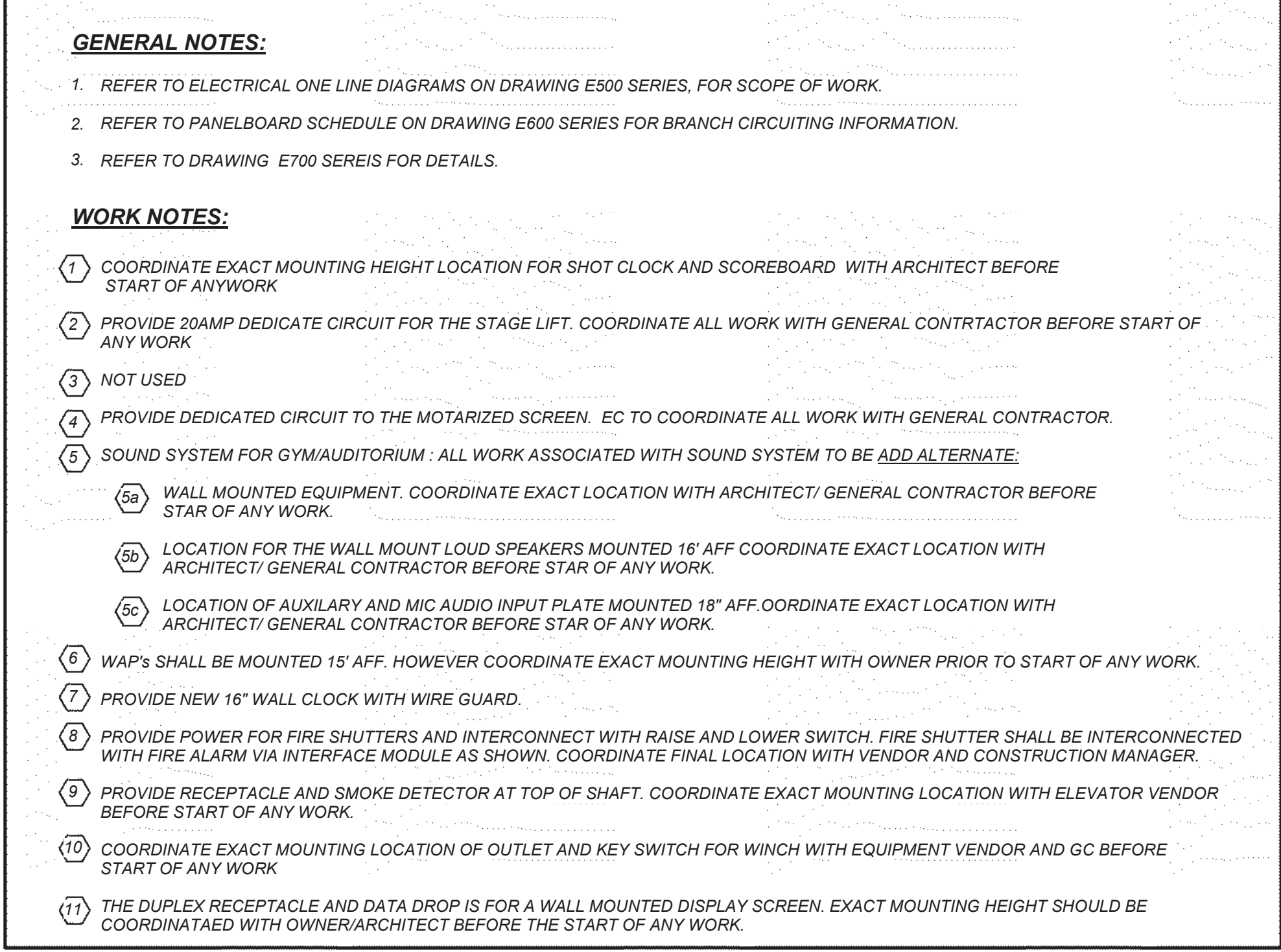
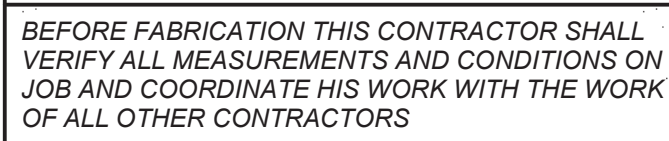
COMM.WING BASEMENT POWER AND FA PLAN

Job No. 2019-1026 Date 8/31/20

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E310



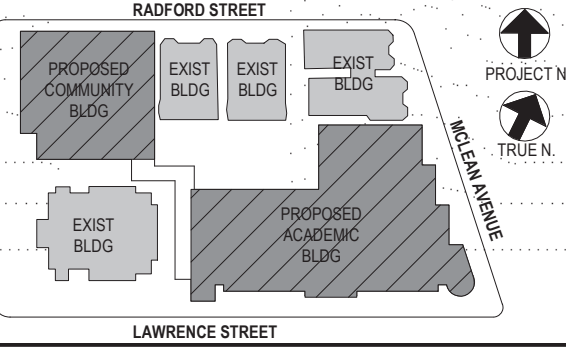
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12/15/2020	DESIGN DEVELOPMENT
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COMM. WING 1ST FLOOR POWER
AND FA PLAN

No.	Date
2019-1026	8/31/20
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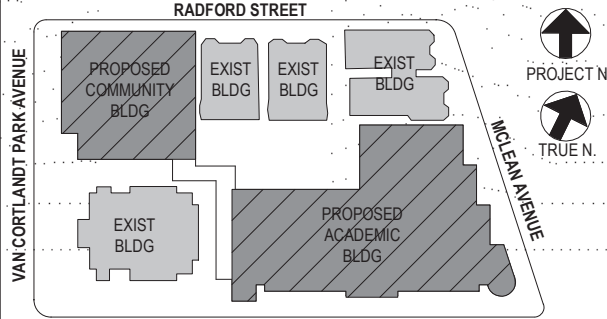
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No. Date Issue

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ELECTRICAL RISERS

Job No. 2019-1026 Date 8/31/20

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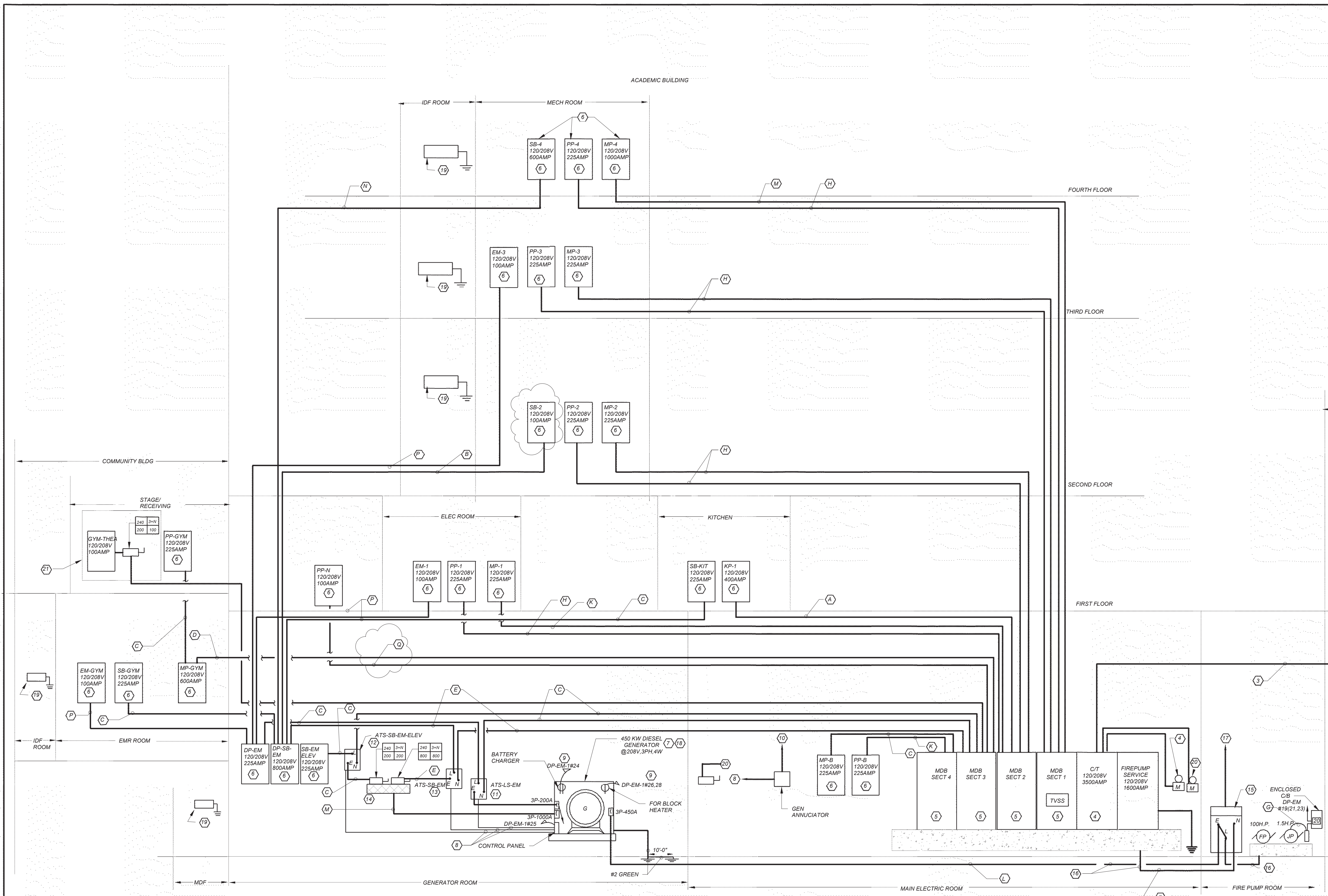
Sheet Number

E501

FEEDER SCHEDULE:

PROVIDE COMPRESSION LUGS FOR ALL ALUMINUM FEEDER

- (A) 2 SETS OF #4250 KCMIL + 1#2G IN 2.5" C - UTILIZE XHHW-2 AL FEEDER
- (B) #810 + 1#6G IN 2" C - UTILIZE XHHW-2 AL FEEDER
- (C) #4250 KCMIL + 1#4G IN 2.5" C - UTILIZE XHHW-2 AL FEEDER
- (D) 2 SETS OF #4300 KCMIL + 1#20G IN 3.5" C - UTILIZE XHHW-2 AL FEEDER
- (E) 3 SETS OF #4400 KCMIL + 1#10G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (F) #4500 KCMIL + 1#3 G RHW IN 4" RGS - UTILIZE CU FEEDER
- (G) 3#10+1#10 IN 3/4" RGS - UTILIZE CU WIRING
- (H) #4300 KCMIL + 1#4G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (I) #440 + 1#4G IN 2.5" C - UTILIZE XHHW-2 AL FEEDER
- (J) #430 + 1#6G IN 2" C - UTILIZE XHHW-2 AL FEEDER
- (K) 2 SETS OF #4400 KCMIL + 1#2G IN 2-1/2" C - UTILIZE CU WIRING
- (L) 4 SETS #4250 KCMIL + 1#40G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (M) 2 SETS #4350 KCMIL + 1#10G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (N) #44 + 1#6G IN 1 1/4" C - UTILIZE XHHW-2 AL FEEDER
- (O) #41 + 1#6G IN 1 1/2" C - UTILIZE XHHW-2 AL FEEDER



WORK NOTES:

- (1) CONED SHALL PROVIDE NEW UTILITY POLE AND RISER FROM POLE TO MANHOLE. EC TO PROVIDE 2 SETS OF 4" RIGID GALVANIZED STEEL (RGS) CONDUIT FROM 10'-0" AFF ON POLE TO 5'-0" AWAY FROM POLE. EC SHALL TRANSITION 4" RGS TO 4" HOPE CONDUIT 5'-0" BEFORE ENTERING MANHOLE. EC TO TRANSITION 4" HOPE CONDUIT TO 4" RGS. CONDUIT SHALL BE BURIED A MINIMUM 24" BELOW GRADE. PROVIDE DRAWING IN BOTH CONDUITS. REFER TO SPECIFICATION FOR CONED SERVICE LAYOUT REQUIREMENTS. BEFORE THE START OF ANY WORK THIS CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL EXISTING UTILITIES MARKING PERFORMED IN THE AREA OF ALL WORK BEING PERFORMED BY THIS CONTRACT. THIS INCLUDES AND NOT LIMITED TO ELECTRICAL, WATER, SEWER, STORM, ETC.
- (2) ELECTRICAL CONTRACTOR TO PROVIDE PROPERTY LINE MANHOLE DBE PER CON ED REQUIREMENT. PROVIDE CRABS FOR SECONDARY CONNECTIONS FOR ELEVEN (11) SETS OF #4500KCMIL TO CON ED FEEDERS IN MANHOLE. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
- (3) PROVIDE TEN (10) SETS OF #4500KCMIL IN TYPE XHHW COPPER IN 4" RGS CONDUIT AND ONE (1) SPARE 4" CONDUIT FROM MANHOLE TO THE NEW MAIN DISTRIBUTION BOARD IN THE BUILDING. CONDUIT SHALL BE BURIED 24" BELOW GRADE. PROVIDE LINK SEAL FOR CONDUIT INSTALLATION THROUGH EXTERIOR BUILDING WALL.
- (4) PROVIDE NEW 120/208V, 3500 AMP, 3PHASE, WIRE RATED CT CABINET AND UTILITY METER PER CON ED REQUIREMENT.
- (5) PROVIDE NEW CUSTOM MADE 120/208V, 3500 AMP, 3PHASE, WIRE DISTRIBUTION BOARD FOR 100,000 AIC, WITH TVSS CONTACT ANDREW VROTSS FROM LAKE SHORE ELECTRIC CORPORATION (avrotss@lake-shore-electric.com) FOR CUSTOM SWITCHBOARD. PROVIDE 2"x1/4" GROUND COPPER BUS THE FULL LENGTH OF THE TOTAL BOARD SECTIONS. PROVIDE ONE 40 GROUND IN 1" CONDUIT TO STREET SIDE OF MAIN COLD WATER VALVE. TO GROUNDING RODS AND BUILDING STEEL. REFER TO SPECIFICATION FOR TVSS REQUIREMENTS.
- (6) PROVIDE NEW 120/208V PANELBOARD. REFER TO PANEL SCHEDULE FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT ON DRAWING E-601 SERIES.
- (7) PROVIDE NEW 450 KW INTERIOR DIESEL GENERATOR AT 208V, 3PHASE, 4 WIRE. SIMILAR TO CUMMINS MODEL DPEJ. PROVIDE 6" CONCRETE PAD AS SHOWN, THERE SHALL BE A 3" LIP OF CONCRETE PAD AROUND THE ENTIRE PERIMETER OF THE GENERATOR ENCLOSURE. CONTRACTOR SHALL INSTALL ALL COMPONENTS AND WIRING AS PER MANUFACTURER REQUIREMENTS INCLUDING ALL CONTROL WIRING TO AND FROM EACH ATS AND ANNUNCIATORS. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS CONTACT ED CHUNG @718-892-2400.
- (8) PROVIDE TWO PAIR OF #12 FOR DC POWER AND TWO PAIRS OF BELDEN 9729 FULLY ISOLATED TWISTED PAIR CABLE WITH SHIELD FOR COMMUNICATION. #12 FROM CONTROL BOARD SHALL BE FOR GEN SET START/STOP AND 2#12 WIRE WILL BE SPARE) AND 2 PAIR OF 14AWG AND BELDEN 9729 FOR RUN RELAY. INSTALL ALL WIRING IN 1 1/4" RGS CONDUIT FROM GENERATOR TO ALL ATS'S. FOLLOW MANUFACTURER'S RECOMMENDATION FOR ALL CONTROL WIRING.
- (9) NEW BRANCH CIRCUIT DP-EM #24, #25 AND #2629 SHALL RUN IN NEW 1" SCHEDULE 40 CONDUIT IN GROUND, THEN TRANSITION TO GALVANIZED STEEL CONDUIT ON INTERIOR FROM GENERATOR TO INDICATED PANELBOARD PROVIDE SEPARATE GROUND AND NEUTRAL FOR 120V CIRCUITS AND SEPARATE GROUND FOR 208V CIRCUIT. REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
- (10) PROVIDE NEW GENERATOR REMOTE ANNUNCIATOR AS INDICATED. COORDINATE WITH OWNER FOR THE EXACT MOUNTING LOCATION BEFORE THE START OF ANY WORK. PROVIDE 2"x1/4" FOR DC POWER AND BELDEN 9729 IN 3/4" CONDUIT FROM TRANSFER SWITCHES TO NEW ANNUNCIATOR.
- (11) PROVIDE LIFE SAFETY EMERGENCY AUTOMATIC TRANSFER SWITCH (ATS-LS-EM) RATED 120/208V, 3PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 225 AMPS, CUMMINS OTEC SERIES FURNISHED IN NEMA 1 ENCLOSURE MOUNTED ON WALL. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE LABELING: "ATS-LS-EM".
- (12) PROVIDE ELEVATOR AUTOMATIC TRANSFER SWITCH (ATS-SB-EM-ELEV) RATED 120/208V, 3PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 225 AMPS, CUMMINS OTEC SERIES FURNISHED IN NEMA 1 ENCLOSURE MOUNTED ON WALL. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE LABELING: "ATS-SB-EM-ELEV".
- (13) PROVIDE STANDBY AUTOMATIC TRANSFER SWITCH (ATS-SB-EM) RATED 120/208V, 3PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 800 AMPS, CUMMINS OTEC SERIES FURNISHED IN NEMA 1 ENCLOSURE MOUNTED ON WALL. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE LABELING: "ATS-SB-EM".
- (14) PROVIDE COPPER/ALUMINUM BUS DETAILS FOR CONNECTION FOR ALUMINUM FEEDERS. PROVIDE COMPRESSION LUGS.
- (15) FIRE PUMP ATS CONTROLLER PROVIDED BY PLUMBING CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
- (16) ALL FIRE PUMP FEEDERS SHALL BE BURIED IN SLABS, ENCASED IN MINIMUM 2" CONCRETE ENCASEMENT.
- (17) CONTRACTOR TO PROVIDE A SET OF DRY CONTACT AND CONTROL WIRING FROM FIRE PUMP CONTROL PANEL TO SEND OUT SIGNAL TO STANDBY ATS (ATS-SB-EM) UPON PUMP ACTIVATION.
- (18) GENERATOR MANUFACTURER SHALL PROVIDE PROGRAMMING OF ALL AUTOMATIC TRANSFER SWITCHES (ATS). PROGRAM FIRE PUMP (FP) ATS AND STANDBY ATS (ATS-SB-EM) SHALL NEVER BE ON AT THE SAME TIME. IN THE EVENT OF FIRE, FIRE PUMP (FP) ATS, ELEVATOR (SB-EM-ELEV) ATS AND EMERGENCY (ATS-LS-EM) ATS SHALL BE ON AND OPERATIONAL PER CODE. IN THE NON-FIRE EVENT, SUCH AS POWER OUTAGE, STANDBY ATS (ATS-SB-EM) SHALL BE ON AND OPERATIONAL WHEN FIRE PUMP (FP) ATS IS NOT ENERGIZED. PROVIDE ALL NECESSARY PROVISIONS AND REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION AND PROGRAMMING. ONCE FIRE PUMP IS RUNNING AND SENDS SIGNAL TO ATS-SB-EM, STANDBY ATS WILL RECEIVE SIGNAL TO LOAD SHED RELAY AND DRIP.
- (19) REFER TO GROUNDING DETAIL SHOWN ON DRAWING E702 (DETAIL 1).

ADD ALTERNATES:

- (20) SOLAR ADD ALTERNATE: PROVIDE NEW DISCONNECT SWITCH & PHOTOVOLTAIC METER. REFER TO PV SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONNECTION TO ALL SOLAR PV CIRCUITRY AT MDB SHALL BE IN COMPLIANCE WITH CONED REQUIREMENTS. THIS CONTRACTOR IS RESPONSIBLE FOR FILING WITH UTILITY COMPANY AND LOCAL AUTHORITY TO OBTAIN ALL APPROVALS AND PERMITS.
- (21) THEATRICAL ADD ALTERNATE: PROVIDE DISCONNECT SWITCH AND GYM-THEA PANELBOARD AND ALL ASSOCIATED WIRING. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION. CONDUIT FOR THE PANELBOARD TO BE PART OF BASE BID.

SPECIAL NOTE: ALL PANELBOARDS, DISTRIBUTION PANEL AND BOARD INCLUDING ATS'S AND GENERATOR CONNECTIONS FOR ALL FEEDERS SHALL UTILIZE COPPER/ALUMINUM RATED LUGS AND BREAKERS. UTILIZE COMPRESSION TYPE LUGS FOR ALL ALUMINUM FEEDERS.

POWER RISER DIAGRAM

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E502

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

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LIGHTING FIXTURE SCHEDULE CONT.					
TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#	
M	PENDENT MOUNTED	132W LED UNV	INDUSTRIAL HIGH BAY, PENDENT MOUNTED LED TYPE FIXTURE, 15000 LUMENS, 3000K COLOR TEMPERATURE, 80 CRI, MATTE WHITE FINISH WITH WIREGUARDS, CLEAR ACRYLIC REFLECTOR, 6 AIRCRAFT CABLE WITH STRAIGHT CORD, WITH WIRE GUARD	MANUFACTURER: DAYBRITE CFI MODEL# RBX-15L-830-UNV-WT-ARR225-HCH6-3/4-SC-WGA-22	
M EM	PENDENT MOUNTED	132W LED UNV	SAME AS FIXTURE "M" BUT WIRED TO GENERATOR	MANUFACTURER: DAYBRITE CFI MODEL# RBX-15L-830-UNV-WT-ARR225-HCH6-3/4-SC-WGA-22	
N	PENDENT MOUNTED	32W LED UNV	4" LINEAR, DECORATIVE LED TYPE FIXTURE, SYMMETRIC DISTRIBUTION, 80 CRI, 3000K COLOR TEMPERATURE, UNIVERSAL VOLTAGE, 0-10V DIMMING, FIXTURE SHALL BE FACTORY TUNED TO 3400 LUMENS/4 FEET	MANUFACTURER: LEDALITE BY SIGNIFY MODEL# 12-Q-1-L-C-E-Q-S-04-7-D-E-T-A2-24	
N EM	PENDENT MOUNTED	32W LED UNV	SAME AS FIXTURE "N" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE BY SIGNIFY MODEL# 12-Q-1-L-C-E-Q-S-04-7-D-E-T-A2-24	
P	SURFACE WALL MOUNTED	30 W LED UNV	24" LONG LED FIXTURE, MATTE WHITE ACRYLIC DIFFUSER MATTE, SILVER METALIC FINISH, 3000K COLOR TEMPERATURE, 2050 LUMENS, 80 CRI, 0-10V DIMMING	MANUFACTURER: OCL MODEL #HO1-S1SA-24-MW-SMP-LED1/30K-UNV-DM1	
P EM	SURFACE WALL MOUNTED	30 W LED UNV	SAME AS FIXTURE "P" BUT WIRED TO GENERATOR	MANUFACTURER: OCL MODEL #HO1-S1SA-24-MW-SMP-LED1/30K-UNV-DM1	
P-2	SURFACE WALL MOUNTED	28 W LED UNV	1'x4" LED TYPE UTILITY FIXTURE, WITH LINEAR PRISMATIC ACRYLIC LENS.	MANUFACTURER: DAYBRITE MODEL #LS-2-P-2-28-UNV	
P-2 EM	SURFACE WALL MOUNTED	28 W LED UNV	SAME AS FIXTURE "P2" BUT WIRED TO GENERATOR	MANUFACTURER: DAYBRITE MODEL #LS-2-P-2-28-UNV	
R	PENDENT MOUNTED	20W LED 120	PENDENT MOUNTED LED TYPE LIGHT, 12"H x 12" DIAMETER, 3000K COLOR TEMPERATURE, 2300 LUMENS, 80 CRI, 0-10V DIMMING, OPA WHITE GLASS DIFFUSER LENS, STANDARD PAINTED FINISH.	MANUFACTURER: MANNING LIGHTING MODEL #DP-46-12/PT/DP-46-12/30-DD-120-WHG	
R EM	PENDENT MOUNTED	20W LED 120	SAME AS FIXTURE "R" BUT WIRED TO GENERATOR	MANUFACTURER: MANNING LIGHTING MODEL #DP-46-12/PT/DP-46-12/30-DD-120-WHG	
AA2	RECESSED MOUNTED	40W LED UNV	2" WIDE LED TYPE RECESSED FIXTURE, 4800 LUMENS, 3000K COLOR TEMPERATURE, 80 CRI, DIFFUSED SMOOTH LENS, 0-10V DIMMING, SUITABLE FOR GRID CEILING.	MANUFACTURER: DAYBRITE BY SIGNIFY MODEL# 2-FFX-G-48L-830-4-DS-UNV-DIM	
AA2 EM	RECESSED MOUNTED	40W LED UNV	SAME AS FIXTURE "AA" BUT WIRED TO GENERATOR	MANUFACTURER: DAYBRITE BY SIGNIFY MODEL# 2-FFX-G-48L-830-4-DS-UNV-DIM	
S	SURFACE WALL MOUNTED	37W LED UNV	LED TYPE EXTERIOR WALL SCONCE, NEUTRAL WHITE LED COLOR, 700mA DRIVE CURRENT, 4000K COLOR TEMPERATURE, 70 CRI, 0-10V DIMMING, DARK GRAY FINISH, WITH INTEGRAL PHOTOCELLS	MANUFACTURER: GARDCO BY SIGNIFY MODEL # 101L-16L-700-WW-G1-2-UNV-DD-PCB-F1-DGY	
S EM	SURFACE WALL MOUNTED	37W LED UNV	SAME AS FIXTURE "S" BUT WIRED TO GENERATOR	MANUFACTURER: GARDCO BY SIGNIFY MODEL # 101L-16L-700-WW-G1-2-UNV-DD-PCB-F1-DGY	
SS1	SURFACE WALL MOUNTED	45W LED UNV	4 FT STRIP LED STRIP LIGHTING, SURFACE MOUNTED, 5400 HIGH LUMEN OUTPUT, 3500K COLOR TEMPERATURE, LIGHT FIXTURE SHALL BE WIRED TO GENERATOR, (FOR ELEVATOR SHAFT)	MANUFACTURER: COLUMBIA LIGHTING MODEL # CSL4-LSCS	
W-1	SURFACE WALL MOUNTED	24W LED UNV	LED TYPE EXTERIOR WALL SCONCE, INTEGRATED DRIVER, DOWN DIRECTION LIGHTING, 1300 LUMENS, 98 CRI, 3000K COLOR TEMPERATURE, 20 DEGREE REFLECTOR, WALL WASH, CHARCOAL GRAY SHELL COLOR, 0-10V DIMMING	MANUFACTURER: ALW MODEL # K4RL-N-V-D-13-98-30-20-WW-CG	
W-1 EM	SURFACE WALL MOUNTED	24W LED UNV	SAME AS FIXTURE "W1" BUT WIRED TO GENERATOR	MANUFACTURER: ALW MODEL # K4RL-N-V-D-13-98-30-20-WW-CG	
W-2	SURFACE WALL MOUNTED	24W LED UNV	LED TYPE EXTERIOR WALL SCONCE, INTEGRATED DRIVER, DOWN DIRECTION LIGHTING, 1300 LUMENS, 98 CRI, 3000K COLOR TEMPERATURE, 20 DEGREE REFLECTOR, WALL WASH, CHARCOAL GRAY SHELL COLOR.	MANUFACTURER: ALW MODEL # K3RS-N-V-D-13-98-30-20-WW-CG	
W-2 EM	SURFACE WALL MOUNTED	24W LED UNV	SAME AS FIXTURE "W2" BUT WIRED TO GENERATOR	MANUFACTURER: ALW MODEL # K3RS-N-V-D-13-98-30-20-WW-CG	
Z	RECESSED FLOOR MOUNTED	36W LED 120V	EXTERIOR STEP LED TYPE LIGHT, 3-1/2" x9" ALUMINUM HOUSING ZINC FINISH.	MANUFACTURER: DIODE LED MODEL #CB100-A-K5812	
ZZ	EXTERIOR POLE MOUNTED	38W LED UNV	EXTERIOR POLE MOUNTED LED TYPE FIXTURE, FORWARD OPTICS, 3000K COLOR TEMPERATURE, TYPE 3 MEDIUM DISTRIBUTION, UNIVERSAL VOLTAGE, SQUARE POLE MOUNTING, 0-10V DIMMING, HOUSE SIDED SHIELD, BLACK FINISH, INTEGRAL PHOTOCELL.	MANUFACTURER: LITHONIA MODEL # DSXO LED-PPL-30K-T3M-MVOLT-SPA-DMG-HS-DBLXD-DLL127FT.5JU	
ZZ-1	EXTERIOR POLE MOUNTED	38W LED UNV	EXTERIOR POLE MOUNTED LED TYPE FIXTURE, FORWARD OPTICS, 3000K COLOR TEMPERATURE, TYPE 4 MEDIUM DISTRIBUTION, UNIVERSAL VOLTAGE, SQUARE POLE MOUNTING, 0-10V DIMMING, HOUSE SIDED SHIELD, BLACK FINISH, INTEGRAL PHOTOCELL.	MANUFACTURER: LITHONIA MODEL # DSXO LED-PPL-30K-T4M-MVOLT-SPA-DMG-HS-DBLXD-DLL127FT.5JU	
EXIT LIGHT	SURFACE WALL MOUNTED	5W LED 120V	LED TYPE EXIT LIGHT, STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS, SELF POWERED MODEL WITH 90 MINUTE EMERGENCY BATTERY PACK.	MANUFACTURER: COOPER LIGHTING ATLITE MODEL #XUN1-E-S-R-12U	

LIGHTING FIXTURE SCHEDULE CONT.					
TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#	
C-1	PENDENT MOUNTED	164 W LED UNV	DECORATIVE LED TYPE PENDENT FIXTURE, 30" RADIUS, DIRECT LIGHTING, LOW OUTPUT, 3000K COLOR TEMPERATURE, 80 CRI, INDIRECT LIGHTING, LOW OUTPUT, 3000K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING, EXTRA DIFFUSED LENS FOR BOTH DIRECT/INDIRECT LIGHTING, BLUE FINISH.	MANUFACTURER: ALW CRESCENT MOONRING MODEL#MR1-5-CQ304-SS-LOW-80-3000K-0/10V/S-LENS-N-Low-80-3000K-0/10V/S-LENS-GB-UNV	
C-1 EM	PENDENT MOUNTED	164 W LED UNV	SAME AS FIXTURE "C-1" BUT WIRED TO GENERATOR	MANUFACTURER: ALW CRESCENT MOONRING MODEL#MR1-5-CQ304-SS-LOW-80-3000K-0/10V/S-LENS-N-Low-80-3000K-0/10V/S-LENS-GB-UNV	
D	PENDENT MOUNTED	42 W LED UNV	LINEAR LED TYPE FIXTURE, 4" LONG, 5500 LUMENS, 3000K COLOR TEMPERATURE, 80 CRI, FLAT DIFFUSED LENS WITH 5 CHAINS AND "V" HOOKS.	MANUFACTURER: DAY BRITE CFI MODEL#BLX-55L-830-UNV-FD-FKR-126	
D EM	PENDENT MOUNTED	42 W LED UNV	SAME AS FIXTURE "D" BUT WIRED TO GENERATOR	MANUFACTURER: DAY BRITE CFI MODEL#BLX-55L-830-UNV-FD-FKR-126	
F	PENDENT MOUNTED	60 W LED UNV	PENDENT MOUNTED 6" LED TYPE FIXTURE, 80 CRI, 3500K, 75% DOWN LIGHTING, SINGLE CIRCUIT, WITH DUST COVER, SURF YELLOW FINISH, T-GRID ON GRID MOUNT, FIXTURE SHALL BE FACTORY TUNED TO 5400 LUMENS.	MANUFACTURER: LEDALITE MODEL#R24-R5-L-2-C-A-G-06-7-D-E-Y-D-A6-3	
F EM	PENDENT MOUNTED	60 W LED UNV	SAME AS FIXTURE "F" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE MODEL#R24-R5-L-2-C-A-G-06-7-D-E-Y-D-A6-3-24	
F-12	PENDENT MOUNTED	120 W LED UNV	PENDENT MOUNTED 6" LED TYPE FIXTURE, 80 CRI, 3500K, 75% DOWN LIGHTING, SINGLE CIRCUIT, SURF YELLOW FINISH, WITH DUST COVER, T-GRID ON GRID MOUNT, FIXTURE SHALL BE FACTORY TUNED TO 5400 LUMENS.	MANUFACTURER: LEDALITE MODEL#R24-R5-L-2-C-A-G-12-7-D-E-Y-D-A6-3-24	
F-12 EM	PENDENT MOUNTED	120 W LED UNV	SAME AS FIXTURE "F-12" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE MODEL#R24-R5-L-2-C-A-G-12-7-D-E-Y-D-A6-3-24	
F-16	PENDENT MOUNTED	160 W LED UNV	PENDENT MOUNTED 6" LED TYPE FIXTURE, 80 CRI, 3500K, 75% DOWN LIGHTING, SINGLE CIRCUIT, SURF YELLOW FINISH, WITH DUST COVER, T-GRID ON GRID MOUNT, FIXTURE SHALL BE FACTORY TUNED TO 5400 LUMENS.	MANUFACTURER: LEDALITE MODEL#R24-R5-L-2-C-A-G-16-7-D-E-Y-D-A6-3-24	
F-16 EM	PENDENT MOUNTED	160 W LED UNV	SAME AS FIXTURE "F-16" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE MODEL#R24-R5-L-2-C-A-G-16-7-D-E-Y-D-A6-3-24	
G	RECESSED MOUNTED	113 W LED UNV	5" DIAMETER RECESSED LED FIXTURE, 300K COLOR TEMPERATURE, 3000 LUMENS, PROGRAMMABLE OUTPUT, SINGLE CIRCUIT, FLAT WHITE ACRYLIC LENS, TEXTURED MATTE WHITE FINISH, 0-10V DIMMING, FIXTURE SHALL BE TUNED IN FIELD AS PER ARCHITECTS DIRECTION.	MANUFACTURER: PRUDENTIAL LIGHTING, P8900 MODEL #P8950-LED3-PROG-FWA-TMW-SC-UNV-X1-DM01	
G EM	RECESSED MOUNTED	113 W LED UNV	SAME AS FIXTURE "G" BUT WIRED TO GENERATOR	MANUFACTURER: PRUDENTIAL LIGHTING, P8900 MODEL #P8950-LED3-PROG-FWA-TMW-SC-UNV-X1-DM01	
H-8	PENDENT MOUNTED	58 W LED UNV	8" LONG LED TYPE FIXTURE, 80 CRI, 3000K, 3400 LUMENS PER 4", MESOPTIC LENS, 50% DISTRIBUTION, TITANIUM SILVER FINISH, UNIVERSAL VOLTAGE, 24" SUSPENSION.	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-8-7-D-E-T-A6-3-24	
H-8 EM	PENDENT MOUNTED	58 W LED UNV	SAME AS FIXTURE "H-8" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-8-7-D-E-T-A6-3-24	
H-16	PENDENT MOUNTED	116 W LED UNV	16" LONG LED TYPE FIXTURE, 80 CRI, 3000K, 3400 LUMENS PER 4", MESOPTIC LENS, 50% DISTRIBUTION, TITANIUM SILVER FINISH, UNIVERSAL VOLTAGE, 24" SUSPENSION.	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-16-7-D-E-T-A6-3-24	
H-16 EM	PENDENT MOUNTED	116 W LED UNV	SAME AS FIXTURE "H-16" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-16-7-D-E-T-A6-3-24	
H-20	PENDENT MOUNTED	145 W LED UNV	20" LONG LED TYPE FIXTURE, 80 CRI, 3000K, 3400 LUMENS PER 4", MESOPTIC LENS, 50% DISTRIBUTION, TITANIUM SILVER FINISH, UNIVERSAL VOLTAGE, 24" SUSPENSION.	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-20-7-D-E-T-A6-3-24	
H-20 EM	PENDENT MOUNTED	145 W LED UNV	SAME AS FIXTURE "H-20" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-20-7-D-E-T-A6-3-24	
H-24	PENDENT MOUNTED	174 W LED UNV	24" LONG LED TYPE FIXTURE, 80 CRI, 3000K, 3400 LUMENS PER 4", MESOPTIC LENS, 50% DISTRIBUTION, TITANIUM SILVER FINISH, UNIVERSAL VOLTAGE, 24" SUSPENSION.	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-24-7-D-E-T-A6-3-24	
H-24 EM	PENDENT MOUNTED	174 W LED UNV	SAME AS FIXTURE "H-24" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-24-7-D-E-T-A6-3-24	
H-30	PENDENT MOUNTED	145 W LED UNV	20" LONG LED TYPE FIXTURE, 80 CRI, 3000K, 3400 LUMENS PER 4", MESOPTIC LENS, 50% DISTRIBUTION, TITANIUM SILVER FINISH, UNIVERSAL VOLTAGE, 24" SUSPENSION.	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-20-7-D-E-T-A1-24	
H-30 EM	PENDENT MOUNTED	145 W LED UNV	SAME AS FIXTURE "H-30" BUT WIRED TO GENERATOR	MANUFACTURER: LEDALITE BY SIGNIFY MODEL #7406-L-C-E-Q-D-20-7-D-E-T-A1-24	
J	SURFACE WALL MOUNTED	18 W LED UNV	WALL MOUNTED LED TYPE LIGHTING, 1674 LUMENS, 3000K COLOR TEMPERATURE, CLEAR LENS, DIFFUSE LENS, WHITE FINISH, 0-10V DIMMING, UNIVERSAL VOLTAGE.	MANUFACTURER: SELUX MODEL #KJUC-1A55-3C-LI-F-WH-U-DIM	
J EM	SURFACE WALL MOUNTED	18 W LED UNV	WALL MOUNTED LED TYPE LIGHTING, 1674 LUMENS, 3000K COLOR TEMPERATURE, CLEAR LENS, DIFFUSE LENS, WHITE FINISH, 0-10V DIMMING, UNIVERSAL VOLTAGE.	MANUFACTURER: SELUX MODEL #KJUC-1A55-3C-LI-F-WH-U-DIM	
K	SURFACE MOUNTED	28 W LED UNV	18" SURFACE MOUNTED LED TYPE FIXTURES, 3300 LUMENS, 3000K COLOR TEMPERATURE, STANDARD OUTPUT, SAPPHIRE MATTE FINISH, DIRECT LIGHT DISTRIBUTION, 0-10V DIMMING, UNIVERSAL VOLTAGE.	MANUFACTURER: PRUDENTIAL LIGHTING MODEL# G8x2RDH-18-LED3-SO-YSAM-D1-SC-UNV-SUR-X1-DM01	
K EM	SURFACE MOUNTED	28 W LED UNV	SAME AS FIXTURE "K-2" BUT WIRED TO GENERATOR	MANUFACTURER: PRUDENTIAL LIGHTING MODEL# G8x2RDH-18-LED3-SO-YSAM-D1-SC-UNV-SUR-X1-DM01	
K-2	SURFACE MOUNTED	15 W LED UNV	24" SURFACE MOUNTED LED TYPE FIXTURES, 1700 LUMENS, 3000K COLOR TEMPERATURE, LOW OUTPUT, SAPPHIRE MATTE FINISH, DIRECT LIGHT DISTRIBUTION, 0-10V DIMMING, UNIVERSAL VOLTAGE.	MANUFACTURER: PRUDENTIAL LIGHTING MODEL# G8x2RDH-24-LED3-LO-YSAM-D1-SC-UNV-SUR-X1-DM01	
K-2 EM	SURFACE MOUNTED	15 W LED UNV	SAME AS FIXTURE "K-2" BUT WIRED TO GENERATOR	MANUFACTURER: PRUDENTIAL LIGHTING MODEL# G8x2RDH-24-LED3-LO-YSAM-D1-SC-UNV-SUR-X1-DM01	

LIGHTING FIXTURE SCHEDULE					
TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#	
AA	RECESSED MOUNTED	33W LED UNV	2" WIDE LED TYPE RECESSED FIXTURE, 4300 LUMENS, 3000K COLOR TEMPERATURE, 80 CRI, DIFFUSED SMOOTH LENS, 0-10V DIMMING, SUITABLE FOR GRID CEILING.	MANUFACTURER: DAYBRITE BY SIGNIFY MODEL# 2-FFX-G-43L-830-4-DS-UNV-DIM	
AA EM	RECESSED MOUNTED	33W LED UNV	SAME AS FIXTURE "AA" BUT WIRED TO GENERATOR	MANUFACTURER: DAYBRITE BY SIGNIFY MODEL# 2-FFX-G-43L-830-4-DS-UNV-DIM	
BB	RECESSED MOUNTED	77 W LED UNV	2'X2" LED TYPE FIXTURE WITH FLANGED MOUNTING STANDARD WHITE LIGHT ANTIMICROBIAL POLYESTER POWDER COAT FINISH, 4000 LUMENS, 30K COLOR TEMPERATURE, 0-10V DIMMING.	MANUFACTURER: PMC LIGHTING MODEL# SC2134RPL-1-SWEM-30K-2'X2'-FCA-WHT-UNV	
BB EM	RECESSED MOUNTED	77 W LED UNV	SAME AS FIXTURE "BB" BUT WIRED TO GENERATOR	MANUFACTURER: PMC LIGHTING MODEL# SC2134RPL-1-SWEM-30K-2'X2'-FCA-WHT-UNV	
CC	RECESSED MOUNTED	40 W LED UNV	2'X2" LED TYPE FIXTURE, 3500K COLOR TEMPERATURE, 4000 LUMENS, 80 CRI, ALUMINUM DOOR FRAME, SEAL, COVER LENS.	MANUFACTURER: DAY BRITE CFI MODEL# K1-22-40L-835-G-6-VPL-U	
CC EM	RECESSED MOUNTED	40 W LED UNV	SAME AS FIXTURE "CC" BUT WIRED TO GENERATOR	MANUFACTURER: DAY BRITE CFI MODEL# K1-22-40L-835-G-6-VPL-U	
CC-2	RECESSED MOUNTED	40 W LED UNV	1'X4" LED TYPE FIXTURE, 3500K COLOR TEMPERATURE, 4000 LUMENS, 80 CRI, ALUMINUM DOOR FRAME, SEAL, LOUVER LENS.	MANUFACTURER: DAY BRITE CFI MODEL# K1-14-40L-835-G-6-VPL-U	
CC-2 EM	RECESSED MOUNTED	40 W LED UNV	SAME AS FIXTURE "CC-2" BUT WIRED TO GENERATOR	MANUFACTURER: DAY BRITE CFI MODEL# K1-14-40L-835-G-6-VPL-U	
DD	RECESSED MOUNTED	8 W LED UNV	1'X4" LED TYPE FIXTURE, 3000K COLOR TEMPERATURE, SINGLE CIRCUIT, TEXTURED MATTE WHITE TRIM COLOR SATIN ACRYLIC LENS, 0-10V DIMMING.	MANUFACTURER: PRUDENTIAL LIGHTING MODEL# P33-LED3-MO-4-TMW-SAL-D1-SC-UNV-X1-DM01	
DD EM	RECESSED MOUNTED	8 W LED UNV	SAME AS FIXTURE "DD" BUT WIRED TO GENERATOR	MANUFACTURER: PRUDENTIAL LIGHTING MODEL# P33-LED3-MO-4-TMW-SAL-D1-SC-UNV-X1-DM01	
EE	RECESSED MOUNTED	24 W LED UNV	2'X2" LED TYPE FIXTURE, 3000 LUMENS, 80 CRI, 3000K LUMENS, PERFORATED DIFFUSER, 0-10V DIMMING.	MANUFACTURER: DAYBRITE MODEL# 2-FFX-G-30L-830-2-DSPF-UNV-DIM	
EE EM	RECESSED MOUNTED	24 W LED UNV	SAME AS FIXTURE "EE" BUT WIRED TO GENERATOR	MANUFACTURER: DAYBRITE MODEL# 2-FFX-G-30L-830-2-DSPF-UNV-DIM	
EE-1	RECESSED MOUNTED	34 W LED UNV	2'X2" LED TYPE FIXTURE, 3800 LUMENS, 80 CRI, 3000K LUMENS, PERFORATED DIFFUSER, 0-10V DIMMING.	MANUFACTURER: DAYBRITE MODEL# 2-FFX-G-38L-830-2-DSPF-UNV-DIM	
EE-1 EM	RECESSED MOUNTED	34 W LED UNV	SAME AS FIXTURE "EE" BUT WIRED TO GENERATOR	MANUFACTURER: DAYBRITE MODEL# 2-FFX-G-38L-830-2-DSPF-UNV-DIM	
FF	RECESSED MOUNTED	29 W LED UNV	2'X4" LED TYPE FIXTURE, 3800 LUMENS, 80 CRI, 3000K LUMENS, SMOOTH DIFFUSER, 0-10V DIMMING.	MANUFACTURER: DAYBRITE CFI MODEL# 2-FPZ-38L-835-4-DS-UNV-DIM	
FF EM	RECESSED MOUNTED	29 W LED UNV	SAME AS FIXTURE "FF" BUT WIRED TO GENERATOR	MANUFACTURER: DAYBRITE CFI MODEL# 2-FPZ-38L-835-4-DS-UNV-DIM	
GG	PENDENT MOUNTED	12 W LED UNV	6" PENDENT MOUNTED DECORATIVE LED FIXTURE, 3000K COLOR TEMPERATURE, 90 CRI, MEDIUM OUTPUT, TOP GLOW FROSTED UP LIGHTING, SINGLE CIRCUIT, 48" STEMCORD, 0-10V DIMMING.	MANUFACTURER: PRUDENTIAL LTG MODEL# SDP-6-MO-TG1-LGNA-YSL-UNV-STC48-EBCP1G-YSL-XTF-DM01	
GG EM	PENDENT MOUNTED	12 W LED UNV	SAME AS FIXTURE "GG" BUT WIRED TO GENERATOR	MANUFACTURER: PRUDENTIAL LTG MODEL# SDP-6-MO-TG1-LGNA-YSL-UNV-STC48-EBCP1G-YSL-XTF-DM01	
A	RECESSED MOUNTED	20 W LED UNV	6" ROUND LED TYPE DOWNLIGHTING, 2000 LUMENS, 300K COLOR TEMPERATURE, 80 CRI, BAFFLED DOWNLIGHTING, WHITE FINISH, 0-10V DIMMING.	MANUFACTURER: LIGHTOLIER MODEL# L6R-20-A-Z10-U-VA-L6R-20-8-30-VA-L6R-B-W	
A EM	RECESSED MOUNTED	20 W LED UNV	SAME AS FIXTURE "A" BUT WIRED TO GENERATOR	MANUFACTURER: LIGHTOLIER MODEL# L6R-20-A-Z10-U-VA-L6R-20-8-30-VA-L6R-B-W	
A-3	RECESSED MOUNTED	10 W LED UNV	2" ROUND RECESSED DECORATIVE DOWNLIGHTING, LED TYPE, 600 LUMENS, 90 CRI, 3000K COLOR TEMPERATURE, 0-10V DIMMING, 2" ROUND TRIM, ADJUSTABLE ACCENT, WHITE FINISH.	MANUFACTURER: LIGHTOLIER MODEL# C2R-A-06-9-30-SP-UP2U-C2R-A-WT	
A-3 EM	RECESSED MOUNTED	10 W LED UNV	SAME AS FIXTURE "A-3" BUT WIRED TO GENERATOR	MANUFACTURER: LIGHTOLIER MODEL# C2R-A-06-9-30-SP-UP2U-C2R-A-WT	
A-4	RECESSED MOUNTED	9 W LED UNV	3" ROUND RECESSED DOWNLIGHT, 80 CRI, 3000K COLOR TEMPERATURE, FLOOD BEAM, FLOOD TRIM, SHOWER TIGHT, WHITE FINISH, HAHD WHITE FLANGE.	MANUFACTURER: LIGHTOLIER MODEL# L3-A-E-U-L3-08-8-30-F-L3-R-S-W-W	
A-4 EM	RECESSED MOUNTED	9 W LED UNV	SAME AS FIXTURE "A-4" BUT WIRED TO GENERATOR	MANUFACTURER: LIGHTOLIER MODEL# L3-A-E-U-L3-08-8-30-F-L3-R-S-W-W	
A-5	RECESSED MOUNTED	16 W LED UNV	4" DOWN LED TYPE FIXTURE, 1500 LUMENS, 80 CRI, 3000K COLOR TEMPERATURE, MEDIUM BEAM, 0-10V DIMMING, WHITE FINISH.	MANUFACTURER: LIGHTOLIER MODEL# 4R-N-CAL-15-8-30-M-Z10-U-C4-R-DL-WH	
A-5 EM	RECESSED MOUNTED	16 W LED UNV	SAME AS FIXTURE "A-5" BUT WIRED TO GENERATOR	MANUFACTURER: LIGHTOLIER MODEL# 4R-N-CAL-15-8-30-M-Z10-U-C4-R-DL-WH	
A-6	RECESSED MOUNTED	14 W LED UNV	6" DOWN LED TYPE FLAT DOWNLIGHT, 900 LUMENS, 3000K COLOR TEMPERATURE, 0-10V DIMMING WHITE FINISH.	MANUFACTURER: LIGHTOLIER MODEL# FD-6R-3000K-FD-6NCP	
A-6	RECESSED MOUNTED	14 W LED UNV	SAME AS FIXTURE "A-6" BUT WIRED TO GENERATOR	MANUFACTURER: LIGHTOLIER MODEL# FD-6R-3000K-FD-6NCP	
B	RECESSED MOUNTED	15 W LED UNV	4" SQUARE LED TYPE DOWNLIGHTING, 1500 LUMENS, 3000K COLOR TEMPERATURE, 80 CRI, WHITE MATTE FINISH, DOWNLIGHTING, 0-10V DIMMING.	MANUFACTURER: LIGHTOLIER MODEL# 4-S-N-P4S-DL-15-830-WH-Z10-U	
B EM	RECESSED MOUNTED	15 W LED UNV	SAME AS FIXTURE "B" BUT WIRED TO GENERATOR	MANUFACTURER: LIGHTOLIER MODEL# 4-S-N-P4S-DL-15-830-WH-Z10-U	
B-1	RECESSED MOUNTED	21 W LED UNV	4" SQUARE LED TYPE DOWNLIGHTING, 2000 LUMENS, 3000K COLOR TEMPERATURE, 80 CRI, WHITE MATTE FINISH, DOWNLIGHTING, 0-10V DIMMING.	MANUFACTURER: LIGHTOLIER MODEL# 4-S-N-P4S-DL-20-830-WH-Z10-U	
B-1 EM	RECESSED MOUNTED	21 W LED UNV	SAME AS FIXTURE "B-1" BUT WIRED TO GENERATOR	MANUFACTURER: LIGHTOLIER MODEL# 4-S-N-P4S-DL-20-830-WH-Z10-U	
B-2	RECESSED MOUNTED	15 W LED UNV	6" SQUARE LED TYPE RECESSED SQUARE LIGHT, 80 CRI, 300K COLOR TEMPERATURE, 1000 LUMENS, BLACK FINISH, 0-10V.	MANUFACTURER: LIGHTOLIER MODEL# S6S-6-30K-10-BK-Z10U	

GENERAL NOTE:

All proposed substitutions must be submitted with each light fixture specification cutsheet, accompanied with footcandle calculation for all spaces, provided for Architect and Engineer's review, prior to approval.

NEW COMMUNITY SCHOOL AT THE ST DENIS SITE

YONKERS JOINT SCHOOL CONSTRUCTION BOARD

121 McLean Avenue
Yonkers, NY 10705



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