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**CITY OF YONKERS/YONKERS PUBLIC SCHOOLS**  
***Purchasing***

*Mike Spano, Mayor*  
*Tom Collich, Director*

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**TO: PROSPECTIVE BIDDERS** **DECEMBER 10, 2021**

**FROM: TOM COLLICH** **11 PAGES**

**RE: IFB-6711 – NEW CONSTRUCTION OF COMMUNITY SCHOOL 35**  
**ADDENDUM NO. 4 - CITY RESPONSE TO REQUESTS FOR INFORMATION AND CLARIFICATIONS**

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The contents of this addendum alter and amend the original RFB requirements and take precedence over the related items therein. This addendum forms a part of the contract documents. Bidders must acknowledge receipt of all addenda when submitting their bids. Failure to acknowledge receipt may render a bid non-responsive and ineligible for award. Vendors are responsible for ensuring that they receive all addenda. All addenda will be posted on the Empire State Purchasing Group System: (<http://www.empirestatebidsystem.com/>).

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1. **ADD SECTION 004331 DIVERSITY PLAN AND RIDER (MWBE Utilization and Workforce Diversity)** - See attached Diversity Plan and Rider
2. **MODIFY SECTION 015000 1.7 TEMPORARY TOILET FACILITIES** – Modifications to information regarding the Restroom Trailer
  - A. The General Contractor will take full responsibility of the Temporary Toilet Trailer that is currently on the site as part of the Demolition Project (8-Station restroom: The Neptune by CALLAHEAD). To supplement, The General Contractor will be required to provide an additional free-standing, self-contained central restroom trailer (toilets and handwashing sinks) similar to what is already on site.
  - B. Provide restroom trailer (Similar to The Neptune by CALLAHEAD) additionally as needed for OSHA requirements, for use by the personnel engaged in construction activities for the duration of the contract. Contractor needs to maintain and service the trailer(s) including regular cleaning and all supplies. The trailer location(s) will be as directed by the Owner and CM.
  - C. All maintenance and restoration of facilities is the responsibility of the General Contractor upon completion at no cost to the Owner.
  - D. Restroom Trailer shall be in place and functional at the beginning of construction from the end of the demolition work (under a separate contract).
3. **MODIFY SECTION 047200 1.3 A 2** – Add note regarding cast stone lintels:
  - 1.3-A-2: Design connection of precast units to structural backup. All cast stone lintels shall be designed to carry the dead load of the exterior masonry above as well as self-weight. Refer to Structural Drawings and loads specified herein for minimum connection requirements.
4. **MODIFY SECTION 084133 1.2 H** – Modifications to specified U-Value for NanaWall:
  - H. Average Thermal Conductance: Provide aluminum-framed systems with fixed glazing and framing areas having average U-factor of not more than 0.36 when tested according to AAMA 1503.
5. **MODIFY SECTION 230460 AUTOMATIC TEMPERATURE CONTROLS**
  1. PART 1 - GENERAL, 1.1, Add “E. Currently approved bidders:

- Energy Management of Facilities (EMF)
  - Automated Control Logic (ACL)
  - Richmar Controls & Service Company Inc.”
2. PART 2 - PRODUCTS, 2.2-A: Omit the reference to Network 8000
  3. PART 3 – EXECUTION. 3.7:  
Add “BB. Plumbing Backflow Preventer
    1. Point List
      - a. Leak Detector Status
    2. Sequence of Operation
      - a. Upon detection of water, an alarm shall be generated at the operator’s workstation.”

**6. MODIFY SECTION 220125 SCOPE OF WORK**

1. PART 1 - SCOPE OF WORK:  
Delete “1.1 A # 8.” Construction trailers will be self-contained. Water and sanitary tanks will be maintained by G.C. No municipal plumbing connections are required. Remove and cap existing 4” sanitary and 2” water mains stubbed out at property line. Cap at municipal mains in the street per all Yonkers replacement.

**7. MODIFY SECTION 220300 PLUMBING FIXTURES AND EQUIPMENT**

1. PART 2 - PRODUCTS, 2.1 B, #5 Lavatory -Type B1:  
Change to Kohler Soho Model K2084 single hole, concealed arm floor mounted support, off set grid drain adjustable trap, loose key stops and all required trim. Zurn model Z6915-XL-CWB hard wired faucet with mini junction box and mixing valve. Provide True-Bro lavatory piping guards.
2. PART 2 – PRODUCTS, 2.1 # 6 & 7:  
Delete “push button activated air valves.” for faucets. Add “Verge faucet Metro series S53-3300. Provide adapter wire AC adapter splitter kits for each fixture. See electrical addendum for outlets installed under each sink enclosure by EC for use by P.C.”
3. PART 2 – PRODUCT, 2.1 B, #40 Ejector Pump Duplex:  
Change 1-1/2 HP to HP.

**8. DRAWING H302 – 2ND FLOOR PIPING**

1. 2ND Floor HVAC Piping Plan: Refrigerant piping revised. Refer to attached Drawing.

**9. DRAWING H304 – 4th FLOOR PIPING**

1. 4th Floor HVAC Piping Plan: Refrigerant piping revised. Refer to attached Drawing.

**10. DRAWING H400 – SCHEDULES**

1. Schedule of Indoor Energy Recovery Units: For ERU-8, the reference to HP-15 shall read HP-16.

**11. DRAWING H401 – SCHEDULES**

1. Schedule of VRF Ductless Air Source Heat Recovery Outdoor Units: For HP-16, the Model # Multi V5 ARUM216BTE5 shall read Multi V5 ARUM121BTE5. The cooling capacity shall read 119,700, the heating capacity shall read 135,000, the MCA shall read 30.9, and the MOCP shall read 40.

**12. DRAWING P205 – 1<sup>st</sup> FLOOR KITCHEN PLAN**

1. Domestic Backflow Preventer Section: A/P205 add leak detector on floor under RPZ discharge funnel, connect to building management system and provide audible visual alarm in custodian’s office. Coordinate with HVAC.

**13. DRAWING P206 – SITE PLAN**

1. 1” Cold water line from hose bib across Van Cortland Park Avenue shall continue across sidewalk into building. See 1/P211 column EE, 51 for exit point from building.

**14. DRAWING P210 – COMMUNITY WING FLOOR PLANS**

1. Extend ¾” Hot and Cold water line from basement to hot and cold water “Exterior” wall hydrants at column line BB/60.

**15. DRAWING E201 – FIRST FLOOR ELECTRICAL LIGHTING PLAN**

1. Light Switch at the entrance to the kitchen from the loading dock shall be deleted.
2. In the kitchen the layout of fixture “CC” shall change. Delete three (3) fixtures.

**16. DRAWING E211 – COMM. WING 1<sup>ST</sup> FL ELEC LIGHTING PLAN**

1. In the gymnasium, the 3-Way keyed switches shall have zones a, b, c and d.
2. In the gymnasium, the set of 3-Way keyed switch in the north wall shall be relocated as shown.

**17. DRAWING E213 – COMM. WING BASEMENT ELEC LIGHTING PLAN-ADD ALTERNATE**

1. Base bid work shall be clarified as shown.

**18. DRAWING E300 – BASEMENT POWER AND FA PLAN**

1. Relocate water flow and tamper switch in Stair B SBB.
2. Jockey Pump circuit changed to panel board DP-EM. Provide 20amp-3P CB with 3#12+1#12 -3/4”C.
3. Sump Pump Control panel location shown the drawing.

**19. DRAWING E301 – FIRST FLOOR POWER AND FA PLAN**

1. Add GFI outlet with new branch circuit, PP-1#63 with 2#12+1#12G-3/4”C under sink enclosure in Boys Bathroom 108b and Girls Bathroom 108c to serve the power supply for Auto faucet. Exact mounting location shall be coordinated with plumbing contractor.
2. Add GFI outlet with new branch circuit, PP-1#64 with 2#12+1#12G-3/4”C under sink enclosure in cafeteria 108 to serve the power supply for Auto faucet. Exact mounting location shall be coordinated with plumbing contractor.
3. Delete Heat detector in Corridor 108d and replace with smoke detector. Add strobe only device mounted on the outside bathroom wall.
4. Relocate water flow and tamper switch in Stair B SB1 as shown on the drawings.

**20. DRAWING E310 – COMM WING BASEMENT POWER AND FA PLAN**

1. Relocate water flow and tamper switch in Stair G SGB.
2. Remove fire smoke damper intended for add alternate work.
3. Provide circuit number 7 for junction boxes in Gym Data Room.
4. Sump Pump Control panel location shown the drawing.

**21. DRAWING E311 – COMM WING 1ST FLOOR POWER AND FA PLAN**

1. Provide new branch circuit PP-GYM#29 with 2#12+1#12G-3/4” C. Include new single pole thermal switch to serve the dry valve compressor. Coordinate exact location in field with architect/owner.
2. Indicate fire alarm annunciator in Vest G102 and remove strobe in Jan G110.  
Provide new branch circuit MP-GYM#65,67,69 with 3#8+1#10G - 3/4” C. Include new 3P-60AMP unfused disconnect switch to serve HVAC unit HP-16 on the roof. Provide 40AMP-3P CB in panelboard MP-GYM. Coordinate exact location in field with architect/owner.

**22. DRAWING E501 – ELECTRICAL RISERS**

1. Revise SB-2 panel to 100A and provide feeder size for circuit Q.
2. Revise MDB circuit 17 to 400 frame size and provide spare for circuits 20-24.

**23. DRAWING E601 – LIGHTING SCHEDULE**

1. Part # and Descriptions for fixtures BB, GG, F, F-12, F-16, G, N, SS-1 shall be revised as shown.

**24. RFI:** Can we get the amount needed for the permits? The building dept is stating that “we should do our homework” which means that the requirements for the permits are left to one’s interpretation.

- **YJSCB RESPONSE:** Contractor(s) shall be responsible for application and initial payment of fees for all required construction-related permits, and will then be reimbursed by the Owner for permit fees. As such, the cost for permitting shall be reimbursed by way of change order and shall not be included in Contractor’s bid pricing. Permitting and/or oversight by the City of Yonkers may be required for, but is not limited to, the following items: Utility work in street (water, sewer, gas, etc.) , curb cuts, site access, dumpsters, storm drainage, sidewalk work, scaffolding / bridging, and traffic control. Since this is an NYSED Project, no building permit from the City of Yonkers is required.

**Note: City of Yonkers DPW/Engineering fees are being waived for this Project.**

- 25. RFI:** Due to volatility on the raw material market (Steel & aluminum suppliers) requires 50% down payment placing the order & balance upon delivery. We were wondering if the owner will allow to bill “down payment” for the material?  
**YJSCB RESPONSE:** **The Owner will not allow Contractors to bill “Down Payment” for materials. Payment for stored materials will be considered per the terms described in the Contract Documents with the required submittals, proof of purchase, and insurances provided to the Owner.**
- 26. RFI:** In the Instruction to Bidders, the following language is under item 4.2: “The firm and principal(s) have satisfactorily completed no less than five (5) projects of comparable size and type to this project within the past 3 years.” Please advise if this is a strict requirement or if this can be amended to something a bit more lenient. For example, 5 projects last 10 years? Or 3 projects last 3 years? Etc.  
**YJSCB RESPONSE:** **The list of requirements for recent/comparable projects shall be considered a general guideline, not necessarily a mandatory requirement, that will be taken into consideration when evaluating the Contractor’s overall capabilities to perform the Work.**
- 27. RFI:** The attached for is part of the Minority and Woman-Owned Business Enterprise Diversification Forms to be submitted with our bid. It states that this form needs to be done in original excel form. An excel version was not provided with the documents.  
**YJSCB RESPONSE:** **Bidders shall fill in the PDF forms and submit hardcopies with the Bid. Digital excel files of the forms are not required to be submitted with the Bid.**
- 28. RFI:** What contract is responsible for what looks like a 1” water line shown on drawing p206 crossing Van Cortlandt Park Ave. What contract is responsible for opening street, excavation, back fill, asphalt repair, Pipe Installation? Multiple Contract summary puts responsibility on GC, while Drawing P206 puts responsibility on PC.  
**YJSCB RESPONSE:** **General Contractor shall be responsible for all trenching, excavation, backfill, for services/utilities as described on the Coordination Chart 013113. General Contractor shall also be responsible for site restoration and finish surface repairs at these areas. Plumbing Contractor shall provide piping and connections for water/fire service lines (incl. line for hose bib) and gas lines as shown on Drawing P206, and provide piping to five feet outside the footprint for sanitary and storm.**
- 29. RFI:** Please clarify which contract is responsible for the following scope of work. Excavation, back fill, site restoration, Permits, Traffic control for the installation of the Gas Service, Fire Sprinkler Service, and Domestic Water service from the street tie-in to 5’ from the building. Multiple contract summary puts responsibility on GC, Drawing P206 puts responsibility on PC.  
**YJSCB RESPONSE:** **See response to RFI above. Refer to Coordination Chart 013113. General Contractor is responsible for traffic control for all aspects of the Project including work for other Prime Contractors.**
- 30. RFI:** Please confirm that contract 3 is a separate standalone responsible for HVAC and bidding separately and not bidding to the General Contractor.  
**YJSCB RESPONSE:** **Correct. Contract 3 is a separate contract responsible for HVAC and is not bidding to the General Contractor.**
- 31. RFI:** Are you responsible for full removal and demo prior to start? Does this include foundation walls? If we have to remove contaminated soil will this time be part of the 18 months time to completion?  
**YJSCB RESPONSE:** **A contract is currently underway for full removal and demolition of the existing school, rectory and convent buildings including complete removal of their foundations and any contaminated soil encountered prior to start of the new construction contract. Drawing C100 shows the project site condition at the start of the new construction contract.**
- 32. RFI:** The NanaWall spec 1.2.H. calls for a U-Factor of not more than 0.30 To meet the U factor of .30 or less, we would have to quote with triple glazing and add a horizontal mullion. A horizontal mullion will be required to conceal the panic bar as well. Please advise.  
**YJSCB RESPONSE:** **See modification to specification 084133 included in this Addendum. NanaWall shall be modified to meet a U-value of .36 or less. Per manufacturer, this may be achieved with Double IGU Low E and**

**argon filled (fully tempered safety glazing per spec). Triple glazing shall not be required. If required, a horizontal mullion at the door to conceal panic hardware is acceptable.**

- 33. RFI:** Please provide detail of truss bridging required per note on framing plan. Will this bridging be fabricated per AESS Category 3 standards?  
**YJSCB RESPONSE:** **The truss bridging shall be HSS 4x4x3/16 weld between truss bottom chords and weld to column at each end, refer to plan S112 for bridging locations, align center of bridging with center of truss bottom chord in elevation. As this bridging will be visible, they shall be fabricated per AESS category 3 standards.**
- 34. RFI:** Steel Column Schedule S302 and S303 does not show any column splices for columns that are continuous between the first floor and roof elevation. Please supply column splice details, and locations of required splices.  
**YJSCB RESPONSE:** **See attached SSK-01 for column splice details.**
- 35. RFI:** There is a wall type 5 and 5A, I don't see it specified on A901 with the other wall types, can you please let us know what they are?  
**YJSCB RESPONSE:** **All new walls labeled as 'Type 5' wall shall be changed to a 'Type 2' wall. All new walls labeled as 'Type 5A' wall shall be changed to a 'Type 2A' wall.**
- 36. RFI:** Please clarify on page A205 & A212 which openings are to be "unit skylights" and which are to be "metal framed skylights".  
**YJSCB RESPONSE:** **The two (2) skylights on the South Low Roof on the Community Wing are Metal Framed Skylights. The eight (8) skylights in the gymnasium are Unit Skylights.**
- 37. RFI:** Please supply the dimensions of the metal framed skylights found on the Community Wing Roof shown on A212?  
**YJSCB RESPONSE:** **Two (2) metal framed skylights on the low roof of the Community Wing are both 4ft X 6ft. Eight (8) unit skylights in the Gymnasium are 4ft X 4ft**
- 38. RFI:** Exterior storefront mark IT in health suite 106 are installed within a fire rated partition per CC002. Please clarify whether or not these openings are intended to be a fire rated framing and glazing product.  
**YJSCB RESPONSE:** **Storefront(s) 'IT' in Health Suite 106 are not required to have fire rated framing nor fire rated glazing.**
- 39. RFI:** TYP. Door Types & details A903 drawing BFD Glass door shown. Please advise location of the door. Thank you  
**YJSCB RESPONSE:** **Door type 'BFD' is not in this Project. Disregard information shown on A903 for Door Type BFD.**
- 40. RFI:** 1 3/4 inch thick Glass is being specified at the East elevation first and second floors. The specified glazing system will not accept this thickness glass. Please advise for how we should proceed, it is holding up our pricing for the glass  
**YJSCB RESPONSE:** **Window Types 1L, 1M, 1N, 2L, 2M, and 2N shall be "Curtainwall" Framing System per Specification Section 084413 in order to accommodate the triple glazing. Window marks that receive triple glazing: 1-1L, 2-1M, 2-1N, 3-2L, 3-2M, 3-2N. Total window marks = 14 (5 on 1<sup>st</sup> floor, 9 on 2<sup>nd</sup> floor). Curtainwall 2J-2K at Stair-B does not require the triple glazing system.**
- 41. RFI:** Roof Question 1: Please reference Details E & C on Sheet A806. The detail for the EPDM parapet wall flashing for each the ACP Coping, Zinc Relief Coping, and Cast Stone Coping all are not warrantable via the current details. "Stripping-In" the EPDM membrane roof system to the ACP & Cast Stone coping is not possible due to the reveal joints. "Stripping-in" of the Zinc Coping is possible, but a more traditional parapet coping detail serve better than the current detail. Please advise or provide updated details for all EPDM parapet flashings that occur at the ACP, Zinc, and Cast Stone copings. Further direction is needed to provide the most accurate price for the roofing scope of work. Roof Question 2: Please reference Detail J on Sheet A807. The detail for the EPDM parapet wall flashing for the ACP Coping is not warrantable via the current details. "Stripping-In" the EPDM membrane roof system to the coping is not possible due to the reveal joints. Please advise or provide updated details for all EPDM parapet flashings that occur at the ACP copings. Further direction is needed to provide the most accurate price for the roofing scope of work. A

suggestion would be to extend the height of the parapet wall to allow the ACP coping cap to wrap around the top of the parapet and return down the face of the parapet wall and terminate with ACP system base flashing. EPDM membrane can run up and over the parapet wall and a counter flashing can be installed at the ACP system base flashing. Roof Question 3: Please reference Detail NA on Sheet A812. This detail also similarly occurs at the Community Wing roof edges as well as the Link Roof edges. The detail for the EPDM parapet wall flashing for the ACP Coping is not warrantable via the current details. "Stripping-In" the EPDM membrane roof system to the ACP coping is not possible due to the reveal joints. Please advise or provide updated details for all EPDM parapet flashings that occur at the ACP copings. Further direction is needed to provide the most accurate price for the roofing scope of work. A suggestion would be to extend the height of the parapet wall to allow the ACP coping cap to wrap around the top of the parapet and return down the face of the parapet wall and terminate with ACP system base flashing. EPDM membrane can run up and over the parapet wall and a counter flashing can be installed at the ACP system base flashing.

**YJSCB RESPONSE: Where EPDM meets exterior cladding materials, whether ACP, Cast Stone or Zinc, the Design Intention is to extend such (EPDM flashing / RPF strip) to the exterior face. Examples: Details C & E on A806 – where the uppermost EPDM (dashed line) indicates an extra RPF strip stops short of the edge – the EPDM shall extend fully to the exterior edge, so that the horizontal joints of the cladding will be fully covered by the EPDM. This condition shall be used throughout the project. Details mentioned above currently show the EPDM stopping a few inches short of the outer edge.**

**42. RFI:** Telescoping Seating: Note 1.8 of the spec notes Maintenance Service. Please advise if any of this cost is part of Contract No. 1 – General Construction Work.

**YJSCB RESPONSE: Maintenance Service is not required to be included as part of the GC Contract.**

**43. RFI:** Telescoping Seating: Note 2.4.B.5 indicates first riser 16-7/8", however this is not standard. Please confirm 16-7/8" first riser is required.

**YJSCB RESPONSE: This is the dimension to the top of the first seat.**

**44. RFI:** Telescoping Seating: Note 2.5.A.2 indicates 12" wood bench depth, which is not standard. Please confirm 12" bench depth is required.

**YJSCB RESPONSE: The wood bench depth shall be standard 10".**

**45. RFI:** Telescoping Seating: Note 2.5.H.1 indicates aisle closures at aisles when system is stored, however the bleacher is only 3-Tiers. Please confirm aisle closures are required.

**YJSCB RESPONSE: Confirmed, provide aisle closures.**

**46. RFI:** Telescoping Seating: Note 2.5.H.3 indicates end panels, however the bleacher is only 3-Tiers. Please confirm end panels are required.

**YJSCB RESPONSE: Confirmed, provide end panels.**

**47. RFI:** Telescoping Seating: Note 2.5.I.1 indicates end closure curtains, however the bleacher is only 3-Tiers. Please confirm end closure curtains are required

**YJSCB RESPONSE: End closure curtains are not required.**

**48. RFI:** Telescoping Seating: Note 2.5.I.2 indicates top row ball deflector curtain, however the bleacher is only 3-Tiers. Please confirm top row ball deflector curtains are required.

**YJSCB RESPONSE: Top row ball deflector curtain is not required.**

**49. RFI:** Telescoping Seating: Note 1.6.A.3 of the spec indicates a Lifetime warranty, however this is not typical for a knocked-down type lockers. Please advise.

**YJSCB RESPONSE: Per manufacturer, a lifetime warranty does apply for this product.**

**50. RFI:** According to Add Alt #6 – is all the millwork / casework included in the alternate? Is there any millwork / casework in the base bid?

**YJSCB RESPONSE: Add Alternate casework/millwork is identified with a hatch or note on the Contract Documents, and is described in Specification Section 012300. Items not hatched or noted as part of the Add Alternate, shall be included in Base Bid.**

51. **RFI:** Please advise if we can use a qualified control contractor. If not please provide the existing controls contractor contact information.  
**YJSCB RESPONSE:** See additional information included in this Addendum.  
**Contact information:** ACL 914-769-8880 EMF 914-403-4702 Richmar 914-776-6060
52. **RFI:** Drawing P200 “Basement Mech. Plumbing Plan” has multiple unmarked pipe drops/risers (Example Data room B04) and details are unclear as to what is connecting from the above floors to the basement level. Also 6” USAN at the top of the drawing P200 has multiple branches coming off of it without a size or direction. Please clarify drawing.  
**YJSCB RESPONSE:** Piping in Data B04 serves toilet rooms above. See 4/P201. See 3/P201 for 6” sanitary connections.
53. **RFI:** Drawing P200 there is a 6” USAN pipe along column line K and turns south along column line 10. There appears to be branch off lines but no continuation where these lines are supplying.  
**YJSCB RESPONSE:** See 3/P201 and riser diagram for branch connections.
54. **RFI:** Sinks type B2 & B3(attached) have no model numbers for the Faucets. Please provide a Faucet model number and options selection.  
**YJSCB RESPONSE:** See information for faucets included in this Addendum.
55. **RFI:** Lavatory – Type B1 (handicapped) calls for a concealed lav carrier. Zurn Z5350 cannot use a concealed arm carried.  
**YJSCB RESPONSE:** See information for concealed lav. carrier included in this Addendum.
56. **RFI:** Double Bottle Filling Station. Type D-3 Elkay LZWS (M) is a single bottle station, not a double  
**YJSCB RESPONSE:** At areas identified to have double bottle filling station, Contractor shall provide two single D-3 Elkay LZWS stations.
57. **RFI:** Underground plumbing within the footprint of the new building, please confirm that excavation and backfill is in the GCs contract.  
**YJSCB RESPONSE:** Confirmed – excavation and backfill within the building footprint is by the GC as noted on the Coordination Chart Specification Section 013113.
58. **RFI:** What is the sitewall design. What type of form liner is requested for the sitewall  
**YJSCB RESPONSE:** Form liner shall be Sika architectural concrete form liner, multi-cast rigid polymer, Ribbed Design #304 or similar.  
The layout of the site walls in the Rear/North Courtyard shall match the design shown on Architectural Drawing A201. There shall be two “seating retaining walls” on the north side of the courtyard, and one “seating retaining wall” on the west side of the courtyard as indicated on A201. These three courtyard retaining/seating walls and associated return walls at stairs shall have the form liner finish, and shall be structurally designed per Detail 8/S212 including reinforcement and footings (stepped as required). The Seat Wall Finish Detail on Drawing C400 shall only apply to these three retaining/seating walls in the Rear/North Courtyard. All other retaining walls including the retaining wall at the property line in the courtyard, retaining walls along Lawrence Street, and all other retaining walls shall be designed per architectural and structural drawings and shall have stone finish (thin stone and full depth per details) as noted.
59. **RFI:** Where does the structural wall stop and site wall begin @ column line S11. Detail 8S212 for a retaining wall. Is this in the structural or part of the site package?  
**YJSCB RESPONSE:** Walls along Lawrence Street shall be provided on both the East and West sides of the main entrance as shown on Drawing A201. These walls shall be constructed per the architectural details (A309, A801, A803, etc.) and structural details (7&8/S213). See additional clarifications regarding the walls along Lawrence Street included in this Addendum. The General Contractor is responsible for both the structural and civil components for this Project, there is no separate Prime Contractor for a “site package”

60. **RFI:** What is the pad detail at the gas rig enclosure ( Ref C200, A201)  
**YJSCB RESPONSE:** At the area of the gas rig, contractor shall provide a 5” thick reinforced concrete slab (6”x6” #10) with 12” deep haunch at perimeter. Top of slab shall be approx. 4 inches above grade and sloped down 2% for drainage. Provide 6”min. sub-base (NYSDOT item 304.05) over compacted sub-grade. Coordinate size of slab with gas rig equipment and CONED requirements.
61. **RFI:** What is the brick pattern at the sidewalk by Mclean Ave ( see C200)  
**YJSCB RESPONSE:** Brick pattern is a “basket weave” to match existing.
62. **RFI:** What is the thickness of the concrete sidewalk by the northeast corner of the stone church ( see C200)  
**YJSCB RESPONSE:** For sidewalks in the City Right of Way, refer to the City of Yonkers details on drawing C402. 8" at drop curbs, 5" elsewhere.
63. **RFI:** There are 2 lines by the courtyard steps to the right of the proposed building Are they turf nailer curbs?  
**YJSCB RESPONSE:** See attached “Synthetic Turf Detail” for turf nailer.
64. **RFI:** In addendum 3 item 31 clarification, it is indicated that the awarded contractor will take over a lot of the existing items including construction fencing, temporary field office, temporary restroom trailers, scaffolding at two sides of the church, etc. Please indicate the monthly costs of each so they can be carried accordingly in the bid.  
**YJSCB RESPONSE:** Items that are being left by the Demolition Contract for the GC to assume responsibility include, but is not limited to the following items. Any items not listed below that the GC will take over, the Contractor shall assume current industry standard rates for those items appropriate for this specific Project.
- 10x50 trailer (Cassone), the monthly rent is approximately \$500/month.
  - For the toilet trailer (Call-Ahead) the monthly rent is approximately \$2,500/month and the cleaning is \$250 per service.
  - There is no monthly rent for the fence.
65. **CLARIFICATION:** Drawing C300 – General Contractor shall allow for all work (trenching, bedding, backfill, site restoration, etc.) related to installation of an underground 1” water line from the New Gymnasium, across Van Cortlandt Park Avenue, to the area of the new playground, for one new exterior hose bib. Final location to be determined in field. For reference, this water line is shown on Drawing P206.
66. **CLARIFICATION:** Exterior picket and chain link gates shall have all required accessories for complete installation of specified hardware included shields and other security measures to prevent reaching through the gate to release lock(s), and any additional mounting plates as required for hardware. Plates and accessories shall match finish of the gate.
67. **CLARIFICATION:** General Contractor and Electrical Contractor shall be responsible for coordination of location of all electro-magnetic hold-opens at doorways to ensure proper operation of the doors with final approval by the Architect prior to installation.
68. **CLARIFICATION:** DRAWING A201: Contractor shall provide reinforced concrete foundations/piers at supports for the new metal stair assembly from the North-East side of the existing Church. Guardrail shall be provided at the landing and for the full length of the stair, and shall be 42”height min. with ½” dia. vertical pickets. Contractor shall verify existing conditions and elevations in field prior to fabrication. New concrete sidewalk shall be provided in this area (see hatched area on C201 adjacent to the proposed rubber plan mat area).
69. **CLARIFICATION:** Lawrence Street retaining walls – The fencing footings/walls/piers along the South Facade (omitted on S101 East of the Main Entrance) are shown on A309 shall be as follows: The design intention for these shall include:
- A) Fencing concrete wall footings starting deep near lines 11 & 15 (due to the deep areaway building footings on each side) and may “step-up” to frost depth (approx. 4’ below grade) once away from the lowest building footings. The East side footing shall remain low until clear (heading east) of the Electrical Manhole.



- B) The Fence concrete walls & piers shall be laid out per A309 with pier reinf. Per SSK-02 (this addendum) and the wall reinf. Per Detail 7 on S213. These details are intended to compliment what is shown for the fence walls on Wall Section SA on A801 and Detail 5 on A309. Note: these details also apply to the curving portion of wall near Stair B.
- C) Provide wire-ties & anchors to dovetail slots for stone cladding.

70. **CLARIFICATION:** On drawing A301 - on the East Façade Elevation – For the Window Type 2L & 2L' (total 3 instances) The Cast Stone Band at EL 16'-0" on each side of the (2L & 2L') window sills, shall turn into the building outside. This 8" tall (7 5/8") Cast Stone Band shall return 8" wide towards the backup wall. This flat cast stone base shall support the 2 bricks (running bond field brick return & the stack bond recessed bricks) shown in Details F & Fa / A807.

Note: (added to spec section 047200) All cast stone lintels shall be designed to carry the dead load of the exterior masonry above as well as self-weight.

71. **CLARIFICATION:** Drawing A201

- A) Along the South Façade near column-line 21 (Change the survey elevation to read EL 81.9' (per the C300). Inside the (left side) gate provide a 1:20 sloped slab 6'-8" long, starting 4' clear of the gate. This shall meet up to EL 82.2' shown. This slope slab replaces the Ramp shown.
- B) Along the South Façade near column-line 9 – Provide floor mounted stainless-steel railings, mounted at 2'-10" A.F.F. on each side of this (1:12) 18' long Ramp.
- C) Note: All interior ramps shall have stainless-steel handrails on each side, shall extend 12" min past each end of the ramp and shall return to the wall.

72. **CLARIFICATION:** Substitutions – All substitutions must be complete or will not be considered, meaning that the Contractor shall be responsible for all interrelated items that would be affected by a proposed substitution and must be submitted as a package for consideration, including potential impacts on other Prime Contractors. For substitutions that have impact on dimensions, the Contractor shall be responsible for all related items that would be affected including any additional materials, support, or accessories required for a complete installation of the substituted item and all adjacent/related components. Contractor shall note that the color palette for this project is integral to the design intent of the building. Substitutions that result in a change of color may also require changes to adjacent or other related materials in order to meet the design intent.

73. **CLARIFICATION:** General location only of finishes are noted in the specification, review in conjunction with the drawings, including finish schedule, for complete information.

74. **CLARIFICATION:** Section 122413- Roller Window shades – Part 2.2 Basis of Design Products  
Item A. Manual Double Roll shades- Replace "Clutch- Operated Flexshade by Draper or equal" to "Provide Clutch -Operated Flexshade NEXD by Draper or equal"  
Clarification- Type 6- Shades on doors- Provide Draper Flexshade CL single roller, blackout material

75. **CLARIFICATION:** Music room white board shall have staff lines.

76. **CLARIFICATION:** Note: Power for the light for display case in Section 101200 is noted on the ceiling plan not the power plan.

77. **CLARIFICATION:** Note: General Contractor shall coordinate installation of Projection Screen, which shall be surface mounted on the stage side of the Proscenium opening. Contractor shall include all required supports and accessories for complete installation. Projection Screen is Part of Add Alterante #6 Casework/Millwork/Gym Equipment.

78. **CLARIFICATION:** Section 096623

- a. 2.4 Logos- The extent of "artwork" for the logo is shown on the bid drawings. If additional artwork is required for fabrication the contractor will be required to include graphic services in their bid.

- b. **2.5 Precast Epoxy terrazzo Item B.4a- Base terrazzo in the multiuser toilet rooms is to match the adjacent terrazzo, not tile flooring as indicated.**

- 79. CLARIFICATION: Section 095113- Part 2 products- 2.2 C. The cafeteria ceiling tile changes to ACT1 as specified.**
- 80. CLARIFICATION: Section 096623- This project is a poured terrazzo flooring project and is clearly specified, terrazzo tile is not equal and will not be considered.**
- 81. CLARIFICATION: Section 113100- Clarification- Provide a quantity of 2 refrigerators and 2 microwaves in room faculty 107. Provide a locking stainless, ADA undercounter refrigerator at Exam room 106N similar or equal to Uline ADA U-ADA24RS-13B**
- 82. Drawing Exam room 106N- Casework remains similar to A403/14, but an undercounter refrigerator will be located where the set of base drawers is shown. Include finished end panel, filler pieces and increase the width of the ADA sink area to 3'-0"w. The overall length remains at 5'-6" long**
- 83. CLARIFICATION: HVAC: For all areas served by baseboard fin-tube, there shall be dedicated control valves for each classroom, office, assembly space, or other use, as required to provide for individual area zone control.**
- 84. CLARIFICATION: ELEC: DRAWING E001 – LEGENDS ABBREVIATIONS AND NOTES: \_Revise “RC” Part # to Be: NXRCFX-XRD.**
- 85. CLARIFICATION: ELEC: DRAWING E212 – SITE ELECTRICAL PLAN: Work Note 1 shall read as follows: PROVIDE 2#12+1#12G IN ¾” RIGID GALVANIZED CONDUIT UNDERGROUND FOR SITE POLE LIGHTING TO EXISTING PANEL MDP AS SHOWN.**
- 86. CLARIFICATION: ELEC: DRAWING E302 – SECOND FLOOR POWER AND FA PLAN**
- 1. Add GFI outlet with new branch circuit, PP-2#76 with 2#12+1#12G-3/4”C under sink enclosure in Girls Bathroom 208 and Boys Bathroom 209 to serve the power supply for Auto faucet. Exact mounting location shall be coordinated with plumbing contractor.**
  - 2. Relocate water flow and tamper switch in Stair B SB1.**
- 87. CLARIFICATION: ELEC: DRAWING E303 – THIRD FLOOR POWER AND FA PLAN**
- 1. Add GFI outlet with new branch circuit, PP-3#23 with 2#12+1#12G-3/4”C under sink enclosure in Girls Bathroom 308 and Boys Bathroom 309 to serve the power supply for Auto faucet. Exact mounting location shall be coordinated with plumbing contractor.**
  - 2. Relocate water flow and tamper switch in Stair B SB3.**
- 88. CLARIFICATION: ELEC: DRAWING E304 – FOURTH FLOOR POWER AND FA PLAN**
- 1. Add GFI outlet with new branch circuit, PP-4#63 with 2#12+1#12G-3/4”C under sink enclosure in Girls Bathroom 408 and Boys Bathroom 409 to serve the power supply for Auto faucet. Exact mounting location shall be coordinated with plumbing contractor.**
  - 2. Relocate water flow and tamper switch in Stair B SB4.**
- 89. CLARIFICATION: ELEC: DRAWING E312 – KITCHEN POWER PLAN: Provide new branch circuit KP-1#18 with 2#12+1#12G-3/4” C. Include new single pole thermal switch to serve the dry valve compressor. Coordinate exact location in field with architect/owner.**
- 90. CLARIFICATION: ELEC: DRAWING E313 – COMM WING ADD ALTERNATE POWER AND FA PLAN: Provide fire smoke damper outside Storage GB09.**
- 91. CLARIFICATION: ELEC: DRAWING E502 – FIRE ALARM RISER: Revise note 2 to say “ANNUCCIATOR AT MAIN ENTRANCE AND GYM ENTRANCE.”**

92. CLARIFICATION: ELEC: DRAWING E602 – PANEL SCHEDULES: Change MP-4 to 65KAIC

93. CLARIFICATION: ELEC: DRAWING E604 – PANEL SCHEDULES

1. Change panelboard SB-2 to 100Amp MCB, No Feed thru required.
2. IN panelboard KP-1 change ckt#40 Gas booster pump circuit to 30Amp-1P breaker with 3#10+1#10-3/4”C.

94. CLARIFICATION: ELEC: DRAWING E703 – ELECTRICAL DETAILS: In detail 3/E703, the room controller part shall be NXRC-1RD.

95. LIST OF DOCUMENTS INCLUDED WITH ADDENDUM 4:

- SECTION 00 43 31 – Diversity Plan and Rider - MWBE Utilization and Workforce Diversity (27 pages 8.5x11)
- Structural SSK-01 (1 page 11x17)
- Structural SSK-02 (1 page 11x17)
- Civil Turf Nailer Detail (1 page 8.5x11)
- Civil Lawrence St East Courtyard Plan (1 page 11x17)
- HVAC DRAWING H302 – 2<sup>ND</sup> FLOOR PIPING (1 page 30x42)
- HVAC DRAWING H304 – 4th FLOOR PIPING (1 page 30x42)
- ELEC DRAWING E201 – FIRST FLOOR ELECTRICAL LIGHTING PLAN (1 page 30x42)
- ELEC DRAWING E211 – COMM. WING 1<sup>ST</sup> FL ELEC LIGHTING PLAN (1 page 30x42)
- ELEC DRAWING E213 – COMM. WING BASEMENT ELEC LIGHTING PLAN-ADD ALTERNATE (1 page 30x42)
- ELEC DRAWING E300 – BASEMENT POWER AND FA PLAN (1 page 30x42)
- ELEC DRAWING E301 – 1<sup>ST</sup> FLOOR POWER AND FA PLAN (1 page 30x42)
- ELEC DRAWING E310 – COMM. WING BASEMENT POWER AND FA PLAN (1 page 30x42)
- ELEC DRAWING E311 – COMM. WING 1<sup>ST</sup> FLOOR POWER AND FA PLAN (1 page 30x42)
- ELEC DRAWING E501 – ELECTRICAL RISER (1 page 30x42)
- ELEC DRAWING E601 – LIGHTING SCHEDULE (1 page 30x42)

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THE OPENING DATE REMAINS FRIDAY, DECEMBER 17, 2021 AT 2:00 PM

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IFB-6711 - ADDENDUM NO. 4 – ACKNOWLEDGEMENT

Legal Name of Bidding Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Bidder's Representative: \_\_\_\_\_ Title: \_\_\_\_\_

E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Section 00 43 31 (“MWBE Utilization and Workforce Diversity”)

**YONKERS JOINT SCHOOLS CONSTRUCTION BOARD**

**Diversity Plan for Construction Pursuant to Phase I of the  
Comprehensive Joint Schools  
Construction and Modernization Plan**

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## I. INTRODUCTION

The Yonkers Joint Schools Construction Board (the "JSCB" or the "Board") recognizes the need to take action to ensure that minority and women-owned business enterprises ("MBE", "WBE", "MWBE"), as well as minority and women workers are given the opportunity to participate in the performance of the contracts issued by the Board as part of the Phase 1 construction program (the "Program") for school facilities within the City of Yonkers undertaken pursuant to the JSCB's enabling legislation, the Yonkers City School District Joint Schools Construction and Modernization Act (the "Act"). The Board recognizes that this opportunity for the participation in our free enterprise system by persons traditionally, socially and economically disadvantaged is essential to obtain social and economic equality. In addition, the JSCB has been authorized by the Yonkers City School District Joint Schools Construction and Modernization Act to develop and adopt this Diversity Plan.

Accordingly, the Board desires to foster and promote the participation of such individuals and business firms in contracts with the Board and sets forth this initiative (the "Diversity Plan"). The Board envisions the participation goals increasing as capacity increases and plans to:

- a. develop strategies that will create and coordinate efforts to ensure a more diverse workforce for the projects to be undertaken pursuant to the Program as well as to ensure the participation of minority and women-owned business enterprises; and
- b. address accountability for attainment of the diversity goals -- providing a description of the forms of monitoring that will be used, and how such information will be communicated to the public and most importantly to potential participants.

The implementation of this Diversity Plan prior to any start of construction on the Program will result in an effective process for increasing the purchase of goods and services from minority and women-owned businesses.

## II. GOALS & PURPOSES

The goals and purposes set forth in this Diversity Plan are consistent with the overall goals and purposes of the JSCB and the Act. The JSCB was created pursuant to the Act for the purpose of facilitating, *inter alia*, the construction of new public school facilities within the City of Yonkers to be utilized by the Yonkers City School District. The JSCB will effectuate the Program consistent with the JSCB's comprehensive joint schools construction and modernization plan (the "Plan"), pursuant to which new public school facilities will be constructed in the City of Yonkers. A program manager (the "Program Manager") will assist the JSCB with the implementation of Phase 1 of the Plan.

In accordance with the Act, the purposes of this Diversity Plan include the following:

- (i) to develop strategies that will create and coordinate efforts to ensure a more diverse workforce for JSCB projects as well as to ensure the participation of minority-owned and women-owned business enterprises;

(ii) to address accountability for attainment of the diversity goals by, among other things, providing a description of the forms of monitoring that will be used, and how such information will be communicated to the public and most importantly to potential participants;

(iii) to promote equal and increased opportunities for under-represented business and labor segments;

(iv) to encourage, assist and sustain business development with respect to under-represented populations (including Minorities and Women);

(v) to facilitate appropriate community input and public discussion and develop strategies that would create and coordinate any efforts to ensure a more diverse workforce for the projects;

(vi) to develop diversity goals for the Program in furtherance of the JSCB's commitment to diversity; and

(viii) to comply with New York State law and all mandated diversity requirements, including, but not limited to, the provisions set forth in the Act, the provisions of Article 15-A of the Executive Law of the State of New York and the provisions set forth in Parts 142 and 143 of Chapter XIV of Title 5 of the New York State Codes, Rules and Regulations ("NYCRR").

### **III. INDEPENDENT COMPLIANCE OFFICER & MWBE UTILIZATION MASTER PLAN**

In compliance with the Act, the JSCB intends to retain an independent compliance officer ("ICO") to perform the duties described in the Act, which include:

- (a) monitoring all of the projects to be undertaken pursuant to the Phase I of the Plan to ensure compliance with this Diversity Plan and all applicable federal, State and local laws, rules and regulations;
- (b) developing an MWBE Utilization Master Plan, for the governance of all project contracts, to the satisfaction of the JSCB to meet disparity as established by existing state studies, to address accountability for attainment of the diversity goals set forth in this Diversity Plan, to provide the forms of monitoring to be used and to provide how such information would be publicly communicated (the ICO shall implement such MWBE Utilization Master Plan in accordance with its terms, all applicable requirements and the provisions of this Diversity Plan);
- (c) developing, implementing, advertising, promoting and monitoring policies and procedures to utilize and provide sufficient MWBE and skilled minority employment

resources participation opportunities to be followed by prime contractors and subcontractors for such projects;

- (d) providing technical assistance to potential MWBE contractors and subcontractors interested in bidding on any projects undertaken pursuant to Phase 1 of the Plan;
- (e) obtaining and maintaining records and documentation as are necessary to confirm compliance with any established MWBE goals for any projects undertaken pursuant to Phase 1 of the Plan;
- (f) identifying contractors in non-compliance with the established MWBE or skilled minority employment resources utilization goals or in willful violation of any federal, state and local laws, rules and regulations;
- (g) monitoring and reporting the upward/downward price adjustment and payment amounts to MWBE's listed on any utilization plan submitted by any contractor for any projects undertaken pursuant to Phase 1 of the Plan;
- (h) developing and working with JSCB to enforce agreed financial or monetary sanctions for any contractor's non-compliance with MWBE Utilization Master Plan;
- (i) having access to all proposed bid specifications, documents, records, drawings, blueprints and any other documentation associated with such bid specifications; and
- (j) reporting to the YJSC board on a monthly basis.

#### **IV. MBE & WBE Meaningful Participation**

The actual services provided by the MBE or WBE must be essential in the performance of the scope of work for the applicable contract. Utilization of a certified MBE or WBE as a conduit or pass through for participation credit is strictly prohibited. It is within the discretion of the JSCB (or its designee) to determine whether services are essential in the performance of the scope of work and offer a determination of the appropriateness of work allowed for lower tier subcontracting in accordance with practices generally accepted in the construction industry. Firms submitted or who participate in the Program outside of these conditions and without specific prior approval by the JSCB will not be credited toward the MWBE Utilization Plan and goals for the contract.

##### **A. Workforce Development and Diversity Principles and Rules**

###### **1. Workforce Development and Diversity Principles**

One of the principal goals of this Diversity Plan is to support workforce development and diversification opportunities that can be created by the Program. This Diversity Plan acknowledges the diverse community of the City of Yonkers and acknowledges the historical disparity experienced by minority and women-owned businesses in gaining access to participate in projects of the kind that will be undertaken



by the JSCB. Additionally, this Diversity Plan strives to create an environment that engages and encourages the participation of these communities.

This Diversity Plan aspires to facilitate the use of a workforce reflective of the City's population and diversity. In order to achieve the development of a diverse workforce for the Program, the Program Manager and/or Prime Contractor(s) shall assist the Independent Compliance Officer (ICO) in overseeing, facilitating, developing, and/or implementing the following:

(i) A community-wide public relations campaign to provide specific information about the Program's employment opportunities, referral and training plans.

(ii) A methodology which assists contractors, suppliers, professional service firms, or any other businesses providing goods and services to the Program to effectuate the workforce diversity goals of this Diversity Plan and the minimum standards to be attained when providing such goods and services to the Program. All contracts shall include remedies and sanctions for noncompliance and identify a means by which inquiries and disputes about Plan requirements may be addressed.

(iii) An independent compliance plan which monitors performance of contractors, suppliers, and professional service firms.

(iv) Regular monthly reporting to the Board setting forth the results of all employment and compliance activity and dispute resolution activities.

## **2. Workforce Development and Diversity Rules**

### **a. Applicability of the Rules & Good Faith Efforts to Comply**

All contractors, suppliers, professional service firms or other businesses providing goods or services with a JSCB contract of \$25,000 or more shall comply with the Workforce Diversity Goals set out below, as well as the other provisions of this Diversity Plan. In the event a business believes that it cannot meet the Workforce Diversity Goals, that business shall submit to the ICO for approval documented evidence of its Good Faith Effort to meet those goals within 5 workdays of being notified by JSCB that they will be awarded a Contract. Within 7 workdays of submittal of the documented evidence of its Good Faith Effort, the ICO will review all demonstrated efforts to meet the established goals and determine whether the business has sincerely attempted to meet the established goals in the Diversity Plan. If the ICO determines that a Good Faith Effort has not been made, the business can request a JSCB hearing within 3 days of receiving notification from the ICO.

### **b. Workforce Development and Diversity Goals**

In order to achieve the goals of this Diversity Plan, each contractor, supplier, professional service firm or other business providing goods or services shall strive to and use best efforts to ensure that the workforce it engages to perform work for the Program shall demonstrate, in terms of the percentage of actual hours worked under the contract and/or contract as amended, participation rates as follows (collectively, Workforce Diversity Goals):

(i) **Minority Workforce:** 20% of project personnel hours including skilled trade's people, journeymen, apprentices, and supervisory staff.

(ii) **Female Workforce:** 10% of project personnel hours including skilled trade's people, journeymen, apprentices, and supervisory staff.

### **c. Bid Submission & Compliance Reporting Requirements**

In order to achieve such development and diversity in its workforce, each contractor, supplier, professional service firm or other business providing goods or services shall:

i. With bid submission, present a proposed written recruiting Plan directed at attracting candidates to fill positions of employment in order to meet Workforce Diversity Goals.

ii. With bid submission, provide a statement committing to training or participation in training programs provided by third parties to train new employees in meaningful ways to succeed in their employment opportunities and to promote long-term employment within the industry or profession.

iii. Provide the ICO with a monthly EEO-Workforce Utilization Report and such other workforce census/employment data and/or certified payroll records necessary to verify achievement of the Workforce Diversity Goals and demonstrate compliance with the minimum standards. Employee zip code information must be listed on this monthly EEO –Workforce Utilization Report.

iv. Provide on-demand access and cooperation to the ICO to review records on-site and/or at work-site premises to validate workforce participation. This may include unannounced visits and on-the-spot interviews that the ICO and its inspectors may hold with workers at the job site or at off-site work premises to verify their work status and claimed job classifications.

### **d. Failure to Maintain Workforce Diversity Goals or to Comply with Reporting Requirements**

In the event any contractor, supplier, professional service firm or other business providing goods or services fails to maintain the Workforce Diversity Goals and/or provide the information required above through the duration of the project on their contract or purchase order, the ICO can delay payment of outstanding monies pending compliance. In addition, the ICO may summon the contractor, supplier, professional service firm or other businesses providing goods or services to appear before a JSCB selected hearing panel. The hearing shall be held within ten (10) business days of the notice of non-compliance by the ICO. After the contractor has had such a hearing the Board may elect to:

i. Withhold payment of any amounts due on the disputed item pending resolution of the non-compliance issue.

ii. Assess liquidated damages in an amount equal to the dollar value that would have been realized if the minority/women workforce goals would have been met.

iii. Withhold, suspend, cancel or terminate the contract or purchase order.

- iv. Identify such contractor as a non-responsive bidder for future contracts within the Program, provided that such remedy is authorized by a vote of the JSCB.

All of the foregoing penalties would be upon a prime contractor, supplier, and professional service firm or other business providing goods or services to the JSCB who failed to comply with the approved utilization plan submitted with its bid for a contract.

## **B. Business Development and Diversity Principles and Rules**

The other major goal of this Plan is to provide for business development opportunities and participation in the Program by minority-owned and women-owned businesses. The following are the principles associated with the implementation of the business development rules of this Diversity Plan:

### **1. Business Development Principles**

The capital investment represented by Phase I of the Yonkers Joint Schools Construction Program creates a unique opportunity for participation of minority-owned and women-owned business enterprises. To ensure that contracts for goods and services are placed with qualified minority and women-owned business enterprises, the Program Manager will oversee, facilitate, develop and/or assist the ICO in implementing the following:

- i. Identify City of Yonkers certified MBE and WBE firms available to provide goods and services to the Program and to create a reference list for all Program participants.
- ii. Identify City of Yonkers firms that could/can be certified as MBE or WBE.
- iii. Ensure that contractors and suppliers divide the goods or services to be provided into scopes, where economically and technically feasible, to create opportunities for participation.
- iv. Coordinate activities and services with organizations such as chambers of commerce, trade groups, and community-based groups/organizations that promote MBE and WBE interests.
- v. Create opportunities for mentoring less experienced and/or start-up M/WBE's.
- vi. Encourage the formation of joint ventures, partnerships, or other similar arrangements where feasible to provide for greater opportunity for MWBE owned firms to participate in the Program.
- vii. Develop a methodology that assists contractors, suppliers, professional service firms, or any other business providing goods or services to the Program to effectuate the business development and diversity goals and the minimum standards to be attained when providing such goods and services. All contracts shall include remedies and sanctions for non-compliance and identify a means by which inquiries and disputes about the project requirements may be addressed.

## 2. Business Development and Diversity Rules

All contractors, suppliers, professional service firms or other businesses providing goods or services with a JSCB contract of \$25,000 or more shall comply the Business Development/MWBE goals set forth below, as well as the other provisions of this Diversity Plan. In the event a business believes that it cannot meet the Business Development/MWBE Goals, it shall submit to the ICO for approval documented evidence of its Good Faith Effort within 5 workdays of being notified by JSCB that they will be awarded a Contract. Within 7 business days of submittal to meet these goals of the Good Faith Effort, the ICO will review all demonstrated efforts to meet the established goals and determine whether the business has sincerely attempted to meet the established goals in this Diversity Plan. If the ICO determines that a Good Faith Effort has not been made, the business can request a JSCB hearing within 3 days of receiving notification from the ICO.

a. In order to achieve the Business Development/MWBE goals of the Diversity Plan, each contractor, supplier, professional service firm or other business providing goods or services with a Board contract of \$25,000 or more shall strive to and use Good Faith Efforts to engage disadvantaged, or woman-owned business to provide for the following:

- i. MBE: 20% of each contract or purchase order; and
- ii. WBE: 10% of each contract or purchase order.

b. The value of the work procured from certified MBEs and WBEs to accomplish these goals shall be determined as follows:

- i. The dollar value of the work contracted to MBEs and WBEs through a purchase order, less any portion of that value paid by the MBE or WBE to any non-MBE or non-WBE manufacturer or producer to provide such goods and services as a subcontractor or sub-supplier to the MBE/WBE.
- ii. The full dollar value of a sub-contract with all M/WBE firms will be counted toward the diversity goals of the project.
- iii. In the instance of a joint venture, the percentage of the joint venture's profits (or losses) that are to accrue to the MBE or WBE joint venture partner.

c. In the case of a certified minority or women owned supplier that is in the business of supplying goods and materials by maintaining accounts with product manufacturers, paying for goods and materials directly, warehouses goods and materials, provide shipping and handling, and conducts its business as an industry supplier and not a broker, the full value of such contract or purchase order shall meet the project goals. Broker participation will not be counted on this project and will not count toward the Prime Contractors diversity goals.

d. Each contractor, supplier, professional service firm or other business providing goods or services shall solicit bids for subcontractors and suppliers from certified MBE and WBEs including circulation of solicitations to minority contractors, suppliers, trade associations and/or employment and business advocacy groups/organizations. When evaluating bids and/or

proposals received, each contractor, supplier, or professional service firm shall act in "good faith" and shall exercise good faith efforts to assist M/WBE firms to secure such work.

e. To be deemed an MBE or WBE a certificate issued by NYS Empire State Development's (ESD) Division of Minority and Women's Business Development must be presented prior to contract award. Failure to produce an authentic certificate will result in the firm not receiving an MBE or WBE designation for the project, thereby jeopardizing compliance with diversity goals.

f. MBE and WBE designations are honored only for the area/component for which the designation has been provided.

g. Each prime contractor, supplier, professional service firm, or other business providing goods or services under a contract with the JSCB shall provide the ICO with a monthly report demonstrating compliance with the Business Development and Diversity Rules. Initially, in order to obtain certification of any claims for participation, the information submitted must include a signed contract or purchase order that the contractor, supplier, or professional service firm or business has finalized with the certified MBE or WBE firm specifying the level of participation along with the up-to-date certification information on the listed firm. During the term of the contract or purchase order, the contractor, supplier, or professional services firm will need to submit periodic reports to verify the continued participation and final percentage participation of the certified firms. This verification should include monthly payment records, any change orders with the certified contractor and any other supporting data required by the City's Compliance Officer & ICO to verify the claimed level of participation by the certified firms.

h. In the event any contractor, supplier, and professional service firm or other business providing goods or service fails to maintain the Business Diversity Goals and/or submit the information listed in subparagraph 9 above to verify participation or achieve the stated goals through the duration of the contract or purchase order the ICO can delay payment of outstanding monies pending compliance. In addition, the ICO may summon the contractor, supplier or professional service firm or other business providing goods or services to appear before a JSCB selected hearing panel designated by the Board. The hearing shall be held within ten (10) business days of the notice of non-compliance by the ICO. After the contractor has had such a hearing the Board may elect to:

(i) Withhold payment of amounts due pending resolution.

(ii) Assess liquidated damages in an amount equal to the contract dollar value that has not been successfully contracted to meet the MBE or WBE goals.

(iii) Withhold, suspend, cancel or terminate the contract or purchase order.

(iv) Identify such firm as a non-responsive bidder for future contract bids on the Program.

(v) All of the above mentioned penalties would be upon a prime contractor, supplier, and professional service firm or other business providing goods or services to the JSCB who failed to comply with approved utilization plan submitted with its bid for contracts.

## APPENDIX

### SUPPLEMENTAL INFORMATION, TERMS AND CONDITIONS

#### A. COMPLIANCE MONITORING

##### I. Procedure

1. Contract awardees will be notified in the award letter that MWBE (Form A), EEO-Workforce Utilization Report (Form E), Scope Verification form and an EEO Policy Statement are due within 10 business days of the date of the award letter.
2. MWBE and EEO-Workforce Utilization Reports, Scope Verification Forms and the EEO Policy Statement will be submitted to the Program Manager for initial review.
3. The Program Manager will forward MWBE and EEO-Workforce Utilization reports, and Scope Verification forms to the ICO for approval.
4. Approved MWBE and EEO-Workforce Utilization Reports will be forwarded to the ICO prior to contract execution.
5. Once a contract is executed, the Prime Contractor will submit Form C, along with copies of all written subcontracts, invoices and purchase orders and corresponding proofs of payments to the Program Manager for review by the 15th of each month for the duration of its contract.
6. The Program Manager and Prime Contractor will forward Form C, copies of invoices and purchase orders and corresponding proofs of payment to the ICO for approval.
7. The ICO will produce & submit monthly reports to the Board regarding the JSCB Diversity Plan of all open contracts.
8. Once all work has been completed on a contract and prior to close out, the Prime Contractor will submit Form B's to the Program Manager stating the total amount actually paid to the MWBE along with corresponding proof of payment. A separate Form B is needed for each MWBE participating in the contract. Each Form B must be signed by both the prime contractor and the MWBE firm.
9. The Program Manager shall review all Form Bs for completeness and accuracy, and shall forward all such forms to the ICO for approval.
10. The JSCB will be notified of all approved Form B's prior to release of retainage. Actual compliance statistics will be included in the Monthly Compliance Report to the Board.

#### B. DEFINITIONS

For the purpose of the Program and this Diversity Plan, the following words, terms, phrases and abbreviations shall have the following meanings:

1. "Bidder" shall mean any contractor, vendor or other person, partnership, corporation or other business entity that submits a bid to the Program Manager relative to the Plan.
2. "Broker" shall mean a concern that adds no material value to an item being supplied to a procuring activity or which does not take ownership or possession of or handle the item being procured with its own equipment or facilities.
3. "Certification" shall mean the qualifying process that ensures buyers and local, state and federal agencies that a particular business is an eligible MWBE which performs a commercially useful function.
4. "Commercially Useful Function" shall mean the execution by an MWBE that contracts with the JSCB, or subcontracts with another business enterprise that contracts with the JSCB, of a distinct element of the work of the contract by actually performing, managing, and supervising the work involved. A business enterprise that serves as a conduit for another business shall not be deemed to perform a commercially useful function. In determining whether an MWBE prime or subcontractor is performing a commercially useful function, factors, including but not limited to the following, will be considered:
  - a. The nature and amount of work subcontracted;
  - b. Whether the MWBE has the skill and expertise to perform work for which it has been certified, as heretofore defined;
  - c. Whether the MWBE actually performs, manages and supervises the work;
  - d. Whether the MWBE intends to purchase commodities and/or services from a non-MWBE and simply resell same to the general or prime bidder for the purpose of allowing those commodities and/or services to be counted toward assessment of a benchmark or fulfillment of a goal; and
  - e. Standard industry practices relating to the use of the second tier subcontractors. Consistent with standard industry practices, an MWBE subcontractor may enter into second tier subcontracts. If an MWBE subcontractor subcontracts a significantly greater portion of the work of its subcontract to a non-MWBE inconsistent with standard industry practices, the MWBE subcontractor shall be presumed not to be performing a commercially useful function.
5. "Compliance" shall mean the condition existing when a bidder has met the requirements of this Diversity Plan.
6. "Conduit" shall mean a business that purchases goods or services that are not normally purchased or sold as a part of its daily business from another business for the sole purpose of resale to the JSCB or a contractor doing business with the board.
7. "Contract" shall mean any binding legal obligation of the JSCB created to acquire some good and/or service from one or more bidders, which is paid for or which is to be paid for, in whole or in part, with monetary appropriations of the JSCB. In this context, the terms contracting, purchasing, and procurement are synonymous and refer to the process or processes under which the Board undertakes such acquisitions.

8. "Diversity Goals" mean the goals, including business development goals and workforce participation goals set out in this Diversity Plan.

9. "Good Faith Efforts" shall mean a documented and sincere intention to meet all of the established JSCB Diversity Goals. Good Faith Efforts shall be mandatory for all bidders.

10. "Independent" shall mean that with respect to the ownership, control and activity of an MWBE, the business shall operate separate and apart from the ownership, control or undue influence of another business owned and controlled by one or more non-MWBEs.

11. "Joint Venture" shall mean an association of two or more independent persons, partnerships, corporations (or any combination of them) formed, consistent with the laws of the State of New York, to perform one or more specific contracts limited in scope and duration; and for which purpose, the entities combined their property, capital, effort, skills, knowledge and other assets.

12. "Minority" shall mean African American(s) (a person(s) having origins in any of the indigenous sub-Saharan racial groups of Africa), Native Americans, Hispanic Americans, and Asian Americans and any other racial group(s) for which there is a legally sufficient statistical disparity indicated, and an underutilization attributable to the effects of past or present discrimination in the local industry.

13. "Minority Business Enterprise" (MBE) shall mean, for the purpose of this Diversity Plan, an independent concern which is at least 51% owned, operated and controlled by a minority who is a citizen of the United States, or a permanent resident of the United States and provides a commercially useful function, as defined herein.

14. "MWBE" shall mean, severally or collectively, a Minority Business Enterprise (MBE) and/or a Women Business Enterprise (WBE).

15. "Non-Compliance" shall mean the condition existing when a bidder has failed to meet the requirements of this Diversity Plan.

16. "Independent Compliance Officer" (ICO) shall mean the ICO who is responsible for administration of this Diversity Plan.

17. "Owned" shall mean that the minority, female, disadvantaged owner(s) possess an ownership interest of at least fifty-one percent (51%) of the business, for purposes of determining whether a business is a Minority Business Enterprise, Disadvantaged or Women Business Enterprise.

18. "Promise of Non-Discrimination" shall mean, collectively, one or more voluntary contractual affirmative promises and other promises of forbearance made by a bidder relating to the bidder's conduct occurring prior to submission of a bid as well as after award of a contract: (1) to adopt the policies of the Board relating to the participation of MWBEs in the procurement process; (2) to undertake certain affirmative good faith effort measures to ensure the maximum practicable participation by MWBEs; and (3) not to otherwise engage in discriminatory conduct against MWBEs inconsistent with said policies.



19. "Review" shall mean a hearing upon complaint filed by the ICO to determine whether a bidder has satisfactorily implemented good faith efforts to include MWBEs in the procurement process and if so, the bidder shall be deemed to be responsive.

20. "Women Business Enterprise" (WBE) shall mean, for the purpose of this Diversity Plan, an independent concern that is at least 51% owned, operated and controlled by female member(s) who are citizens of the United States or permanent residents of the United States and provides a commercially useful function, as defined herein.

### **C. PLAN SCOPE AND APPLICABILITY**

The following categories are initially established to identify the nature and types of goods and services the JSCB is contracting for.

**Category A - Construction:** Includes all contracting relating to buildings, facilities and other erected structures on school projects in the Program.

**Category B - Services:** Encompasses the procurement of advertising, printing, non-construction repairs, janitorial services, training seminars and workshops, computer and information systems, security, shipping and mailing, microfiche and microfilm, courier, storage, travel, and consulting.

**Category C - Commodities:** Includes the purchase of all goods, equipment, food, office and other supplies, art, furniture and other tangible personal property not associated with under the provision of a service identified in Categories A and B.

**Category D - Employment Compliance:** This Diversity Plan segment ensures workforce Diversity Goals (minority and female employment goals) are met and maintained through the life of each Program.

**Category E - Professional Services:** This Diversity Plan segment covers: (1) professional design contracts requiring the services of licensed architects, engineers, planners and surveyors; (2) regulated professional contracts requiring the services of individuals and firms whose practices are regulated by the State of New York; (3) general consultant contracts such as program and construction management services, affirmative action services and general business services; and (4) general service contracts such as janitorial, snow removal and printing.

**Independent Compliance Officer:** The JSCB will hire and will retain an Independent Compliance Officer, herein referred to as ICO to administer and enforce the Diversity Plan. The ICO will be responsible for the performance of the following duties and obligations for purposes of implementing and achieving the policies and objectives of this Diversity Plan:

- a. To administer and enforce JSCB policy;
- b. To promulgate rules, regulations and procedures consistent with this Diversity Plan and publish and make public said rules, regulations and procedures for MWBE, minority and women participation.
- c. To verify MWBEs are appropriately certified;

- d. To initiate and maintain outreach plans for all MWBEs, minorities and women;
- e. To develop, maintain and make available a database of certified MWBEs;
- f. To make a recommendation regarding reasonable and market based MWBE Goals and Workforce Diversity Goals and to annually assess such goals;
- g. To pursue applicable MWBE and Workforce Diversity Goals as provided for in this Plan;
- h. To attend pre-bid, pre-award, post-bid and bid-award meetings;
- i. To receive and investigate written complaints as provided in the written complaint and post bid review sections of this Diversity Plan;
- j. To notify all parties of the right to review any decision of the ICO;
- k. To provide recommendations to the Board, Program Manager and other pertinent personnel to effectuate the policies and objectives of this Diversity Plan;
- l. To prepare and submit monthly, quarterly and annual reports;
- m. To perform other tasks necessary to fulfill the above duties and to carry out the intent of the JSCB.

#### **D. RIGHT TO INVESTIGATE**

**Investigate Non-Compliance Practices:** The Independent Compliance Officer shall be authorized to determine compliance by contractors with the Diversity Goals established in JSCB contracts. Such a determination of compliance or non-compliance may be based on whether the contractor is complying with goals set forth in an approved utilization plan; or the determination is consistent with the procedures or action described in the Diversity plan; or the information made available to the JSCB through monitoring, onsite inspections, progress meeting, review of payrolls or other JSCB action to provide evidence of compliance. (NYCRR 143.5)

#### **E. MONITORING, EVALUATION AND REPORTING**

**ICO Authorization to Monitor:** The ICO shall be authorized to collect from all contractors doing business with the JSCB information as to business ownership, supplier information, subcontractor information, and other data that reflects the race, gender, and ethnic origin of bidders, vendors, contractors and subcontractors, as well as information regarding workforce composition.

**Duty to Monitor Contracting:** The ICO shall continuously monitor the participation of MWBEs, minorities and women in the procurement and provision of goods and services for the JSCB. Such monitoring shall include, but is not necessarily limited to, a statistical analysis of each commodity, construction trade and professional services, financial services, employment compliance monitoring and a determination as to whether, in any such classification, there is utilization of minorities and women in a manner that is proportioned to their availability range. While this monitoring function may be performed on an ongoing, as needed basis after the completion of construction, the ICO will provide

monthly, quarterly and annual written reports to the JSCB during preconstruction and construction phase and post-construction phase.

**Reporting:** The ICO will gather statistical data and report to the JSCB a summary of the purchases and contracts placed with MWBEs for the period and the relative percentage to the total of purchases and contracts for that period. All reports submitted shall specify the percentage of MWBEs that are minority and/or women-owned businesses as defined herein, with each minority category reported separately. Payments made to non-certified minority and women-owned businesses and other MWBEs shall be included as a separate set of figures for purposes of tabulating the total contract dollars going to minority and women-owned businesses.

The reports will emphasize quantity and quality of MWBE involvement by dollar volume. Reporting will serve the dual purpose of giving credit where due and highlighting areas needing additional effort. Monthly reports to the JSCB shall also include information relevant to efforts to employ minorities and women and information relevant to purchasing efforts based on ethnicity and gender.

#### **F. MWBE ELIGIBILITY**

**General Eligibility:** Generally, any business enterprise certified by a New York State recognized certifying agency as an MWBE as earlier defined under this Diversity Plan, and as determined to be eligible and qualified as an MWBE by the JSCB, is eligible to participate in the Program. All MWBEs so recognized as qualified and eligible shall be eligible to participate as an MWBE in the Program.

**Certification:** Firms seeking to participate as an MWBE in the Program must be certified as an MWBE by a New York State recognized certifying agency. This screening mechanism for certification assures that the interested MWBEs have the property ownership, size, control and management to meet the eligibility requirements of the JSCB. However, upon good cause, the JSCB may determine that despite certification from a New York State recognized certifying agency that the firm does not meet the requirements of an MWBE that is entitled to participate as an MWBE in the Program.

#### **G. PROVISIONS RELATING TO MWBE**

**Establishment of Annual Participation Goals:** Based on the historical underutilization of MBE/WBEs, there is a compelling interest within the City of Yonkers & Westchester County to establish goals. In fulfillment of the policy to promote equal business opportunity with the JSCB, the JSCB will establish MWBE goals for all sub-categories. See NYCRR Section 141.2 and Section 143.2. The goals shall be subject to an annual review.

**Contractors and Subcontractors Must Meet Participation Goals:** It is agreed that all prime contractors and subcontractors, who have been awarded contracts for work covered by this Agreement shall be bound to meet all established Diversity Goals. They shall evidence their acceptance of this provision in the Letter of Intent to Perform. This Agreement shall be made a part of the contract and incorporated by reference into contract documents.

**Project Goals:** In addition to the annual overall Diversity Plan goals and category goals, the goals for each project will be established and reported.

**Notice of Bid Opportunities:** The ICO and all bidders shall give notice of bid opportunities for each contract to all known available MWBEs with capabilities consistent with the requirements of the specific contract.

**Consideration of Goals in Bid Evaluation:** Where the JSCB establishes goals, the inclusion of underutilized MWBEs shall become an additional factor considered in the evaluation of bids submitted by contractors, in addition to, but not limited to all other generally accepted considerations.

**Annual Review:** The Diversity Goals set forth in this Diversity Plan shall be subject to an annual review.

**Assessment of Goals:** All total contract dollars awarded to minorities/women-owned businesses, whether payments are made to non-certified MBEs and WBEs, or certified MWBEs, shall count toward the calculation of whether minority/women participation reflects the goal in a designated category. For the purposes of state reporting only those dollars paid to certified MWBEs will be counted.

## **H. COUNTING OF MWBE PARTICIPATION**

**Types of participation** that may be counted towards the goal:

- (1) The total dollar value of the contract may be counted toward the specified goal. This includes reasonable fees charged for professional services, legal counsel and financial consultants.
- (2) The actual portion of the MWBE participation in a joint venture is counted toward the specified goal.

In the event that goals are established, all bidders, including MWBE bidders, shall make good faith efforts to attain goals through all tiers of participation (all subcontractor work).

1. **Prime Contractors:** A prime contractor may subcontract portions of its contract that are consistent with industry standards. However, should a prime contractor subcontract a greater portion of the project than is consistent with industry standards, then the MWBE will not have performed a commercially useful function as defined herein. Therefore, such participation by MWBEs will not be counted towards any goal. Prime contractors are strongly encouraged to consider subcontracting in a wide range of industry sub-trade categories. The participation by brokers shall not be considered under this Program.
2. **Subcontractor Participation:** Where a prime contractor utilizes one or more subcontractors or sub-subcontractors to attain any goal(s) for an underutilized subcategory, the prime contractor may count said subcontractor or sub-subcontractor work toward goals. In no way shall subcontractors' or sub-subcontractors' work or dollar amount be construed to count toward said goal more than once. Only expenditures to MWBE subcontractors that perform a commercially useful function in the work of the project or contract may be counted. An MWBE prime, subcontractor, or sub-subcontractor is considered to perform a commercially useful function when it is responsible for execution of a distinct element of the work of a contract and carries out its responsibilities by actually performing, managing and supervising the work involved.

- 3. Supplier Participation:** Where a prime contractor utilizes suppliers to satisfy the goal(s) in whole or in part, the MWBE suppliers must perform a commercially useful function. Participation may be approved upon review of the following factors:
- a. the nature and amount of supplies to be furnished;
  - b. whether the MWBE is a manufacturer, wholesaler or distributor of the supplies and has the capabilities to deliver the goods in accordance with its certification;
  - c. whether the MWBE actually performs, manages and supervises the work to furnish the supplies;
  - d. whether the MWBE intends to purchase supplies from a non-MWBE and simply resell same to the general or prime bidder for the purpose of allowing those supplies to be counted towards fulfillment of the goal(s); and
  - e. Fifty percent (50%) of the contract amount for suppliers and vendors shall count towards the goal on construction contracts.
- 4. Joint Venture Participation:** Where bidders engage in a joint venture to meet a goal, the bidder shall demonstrate that the MWBE joint venturer's participation meets the standards for a commercially useful function, as herein defined. The ICO shall review and approve all contractual agreements and other supporting documentation to determine the percentage of MWBE participation resulting from the joint venture that may be credited toward any applicable goals of the project; and shall determine same based on the following factors:
- a. the initial capital investment of each venture partner;
  - b. the proportional allocation of profits and losses to each venture partner;
  - c. the sharing of the right to control the ownership and management of the joint venture;
  - d. actual participation of the venture partners in the performance of work under the project or contract;
  - e. the method of and responsibility for accounting;
  - f. the method by which disputes are resolved; and
  - g. other pertinent factors of the joint venture.

The degree to which any goals have been attained by joint ventures between MWBE and non-MWBE firms, shall be calculated as follows:

1. A joint venture consisting of an MWBE and non-MWBE firm functioning as a prime contractor will be credited with minority and/or gender participation on the basis of the percentage of the dollar amount of the work to be performed by the minority and/or women-owned MWBE.

2. In joint venture bids in which all joint venture participants are MWBEs, the joint venture will be credited with minority and/or female participation for that portion of the dollar amount of the contract which minority and/or women-owned MWBEs perform and that portion subcontracted to minority and/or women-owned firms.

3. In joint venture bids, bidders will receive credit toward the goal for the dollar amount purchased from minority and/or women-owned MWBE suppliers. However, where the supplier is the manufacturer of the product supplied, bidders will receive credit for 50% of the dollar amount of the supply contract.

## **I. REQUIREMENTS OF CONTRACTORS**

**Contractor's Utilization Plan:** At the time of bid tender each bidder shall be required to submit to the ICO a completed Contractor Utilization Plan. This state form will satisfy the requirement that utilization plans are submitted. Pursuant to NYCRR Section 143.4, the ICO shall review such utilization plan and issue a written notice of acceptance or deficiency. Any deficiency must be cured within seven days.

**Promise of Non-Discrimination:** At the time of bid tender each bidder shall be required to submit to the ICO a duly-executed and attested Promise of Non-Discrimination, enforceable by law, which shall contain the following provisions. The bidder voluntarily agrees:

1. To adopt the policies of the JSCB relating to equal opportunity in contracting on projects and contracts funded, whole or in part, with monetary appropriations of the JSCB;
2. To undertake certain good faith efforts as set forth herein to attain the maximum practicable participation of MWBEs on said projects and contracts;
3. Not to otherwise engage in discriminatory conduct against MWBEs.
4. That the Promise of Non-Discrimination shall be continuing in nature and shall remain in full force and effect without interruption;
5. That the Promise of Non-Discrimination is made a part of the contract and incorporated by reference into. The failure of the bidder to uphold the promises of non-discrimination shall constitute a material breach of contract. The JSCB may declare the contract in default and may exercise any and all applicable rights and remedies, including but not limited to, cancellation of the contract, termination of the contract, rejection of bids for future JSCB contracts, and withholding and/or forfeiture of compensation due and owing on a contract.

**MWBE Assurance Statement:** At the time of bid tender, each bidder shall be required to submit to the ICO an Assurance Statement. This statement shall include all MWBE subcontractor's names, the work the MWBE will perform, the dollar value of the project, percentage of total bid amount attributable to MWBE work, and a statement of any goal.

**Letter of Intent to Perform as an MWBE Subcontractor/Joint Venture:** All apparent successful bidders who plan to utilize an MWBE subcontractor or engage in a joint venture with an MWBE shall be required to submit to the ICO a letter of intent signed by both the MWBE and bidder. This form is to be completed and submitted by the end of the second business day following notice of award of contract.

The MWBE shall state on this form whether it is a sole proprietorship, individual, a corporation, a partnership, or a joint venture.

Failure on the part of a bidder to submit the Promise of Non-Discrimination, MWBE Assurance Statement, and the Letter of Intent to Perform as required shall render the bid non-responsive. The Promise of Non-Discrimination, MWBE Assurance Statement and Letter of Intent to Perform are attached hereto.

## **J. GOOD FAITH EFFORTS**

**Mandatory Good Faith Efforts:** Every bidder shall submit with the bid evidence of Good Faith Efforts to meet the Diversity Goals of this Diversity Plan in the form of a checklist. A showing of Good Faith Efforts shall be mandatory for all bidders in construction, commodities and professional services.

With respect to the Business Development/MWBE goals set forth in this Diversity Plan, Good Faith Efforts shall include, at a minimum, the following:

1. Delivery of written notice to the following:

- a. at least seven (7) available certified MWBEs whose names, addresses, and telephone numbers are provided by the ICO to all bidders for each potential subcontracting or supply category in the Contract; and
- b. all MWBEs which requested information on the Contract.

2. The written notice must contain:

- a. Adequate information about the plans, specifications, and relevant terms and conditions of the Contract and about the work to be subcontracted to or the goods to be obtained from subcontractors and suppliers;
- b. A contact person knowledgeable of the project documents within the bidder's office to answer questions;
- c. Information as to the bidder's bonding requirements, the procedure for obtaining any needed bond, and the name and telephone number of one or more acceptable surety companies to contact;
- d. The last date and time for receipt by bidder of MWBE bids or price quotations.

3. Attendance at any special pre-bid meeting called to inform MWBEs of subcontracting or supply opportunities.

4. Division of the contract, in accordance with normal industry practice, into small, economically feasible segments that could be performed by an MWBE. Under no circumstances, however, shall a bidder be required to segment work solely for the purpose of utilizing MWBE participants as subcontractors where

such segmentation is not in accordance with common and accepted industry practices relating to the utilization of other firms as subcontractors.

5. Providing a written explanation to the ICO for why any MWBE considered for any portion of the work was not given the work, unless another MWBE is accepted for the same work, including the name of the non-MWBE firm proposed to be given the subcontract or supply agreement. Records of all MWBEs' price quotations and the successful non-MWBEs' price quotations should be provided to the ICO where appropriate. When price competitiveness is not the reason for the rejection, a written rejection notice including the reason for the rejection shall be sent to the rejected MWBE.

6. Providing a non-discriminatory work site. Bidder shall ensure and maintain a work environment free of harassment, intimidation and coercion at all construction sites, offices and other facilities at which the bidder's employees are assigned to work. The contractor shall specifically ensure that all labor supervisors, superintendents, and other on-site supervisory personnel are aware of and carry out the bidder's obligation to maintain a non-discriminatory work environment.

7. Reporting improper conduct and all known violations of this Diversity Plan.

**Additional Good Faith Efforts:** In addition to, but not in lieu of the above mandatory minimum good faith efforts required under this Diversity Plan, a bidder at its option may also make a showing of good faith by providing evidence that it performed the following tasks to encourage and obtain the maximum practicable participation of MWBEs:

1. Soliciting specific individual MWBEs whose availability as potential sources of goods or services can be reasonably ascertained. This measure includes the sending of letters or making other personal contacts with specific certified MWBEs including those with whom the bidder has contracted with in the past as well as other MWBEs with whom the bidder may be unfamiliar, but whose identities can be ascertained from a Directory of Certified MWBEs maintained by the ICO.

2. Sending letters or making other personal contacts with other minority and women business enterprise programs as well as private minority trade associations and programs known to publicize contracting and procurement opportunities for the benefit of their respective participants and/or members. Such contacts shall be relevant to the JSCB bid under consideration and the type of minority and/or women-owned business needed; and shall provide the same information required by a contractor or vendor to effectuate direct contacts with MWBEs.

3. Advertising in publications of general circulation in the Yonkers area, trade publications that are otherwise focused or marketed to a minority and/or woman business enterprise. The business must be owned and operated by them not less than twenty (20) days prior to the date bids are due. The publication or media shall be one which reasonably covers the metropolitan area. The advertisement shall identify and describe the specific subcontracting or other opportunity in reasonable detail, and shall state the MWBE goal(s) applying thereto.

4. Conducting follow-up of initial solicitations of interest by contacting MWBEs to determine, with certainty, whether these firms are interested.

5. Providing reasonable assistance to an otherwise qualified MWBE in need of equipment, supplies, bonding, letters of credit and/or insurance.



6. Providing equal opportunity to MWBEs when replacing non-performing MWBEs. If an MWBE subcontractor or supplier fails to perform successfully, the bidder must provide other MWBEs an equal opportunity to replace the non-performing subcontractor or supplier; and shall exercise the same good faith affirmative action efforts to secure the replacement.

With respect to Workforce Diversity Goals:

1. The contractor shall supply written documentation of its efforts to recruit/hire minorities and women, including:

- a. communications with the appropriate building trades;
- b. communications with training programs; and
- c. communications with other employment agencies.

**Evaluation of Good Faith Efforts:** In order to assure that bidders comply with the JSCB's Diversity Plan, successful bidders must demonstrate good faith efforts. In evaluating good faith efforts, the ICO will determine whether the apparent low bidder has made reasonable efforts to obtain MWBE/minority/women participation. The ICO may evaluate not only the different kinds of efforts made by a bidder, but also the quantity and intensity of those efforts. The bidder may submit additional documentation to the ICO for consideration in the evaluation of the bidder's good faith efforts. See NYCRR Section 143.8.

**Required Documentation:** To demonstrate compliance with the good faith requirements of this Plan, bidders shall keep detailed records of all correspondence and responses thereto, logs of all telephone calls made and received regarding the project or contract, copies of advertisements in publications and other media, and other relevant papers as required by this Diversity Plan for a minimum period of three (3) years.

**Award of Contract:** The JSCB in accordance with the applicable law retains the right to determine the action to be taken on the contract. The JSCB reserves the right to reject bids and perform project re-bids for the purpose of attaining its Diversity Goals, in accordance with applicable law.

**Contractors' Post-Award Reporting and Maintenance of Records:** Successful bidders awarded contracts incorporating MWBE participation must submit reports by the designated date set forth by the Program Manager and the ICO. These reports shall summarize the number and dollar amounts of payments made during the terms of the contract to MWBEs. Such reporting shall count payments to MWBEs separately.

#### **K. WRITTEN COMPLAINT AND POST-BID REVIEW**

Any bidder allegedly aggrieved by the provisions of this Diversity Plan may seek review of any written complaint to the ICO and Program Manager.

**Consideration of Bids:** The ICO shall evaluate the apparent low bidder's good faith efforts for compliance. Upon a determination of compliance by the apparent low bidder, the ICO shall forward the

apparent low bidder's bid to the Program Manager as the recommended low bid. If there is an issue of non-compliance within the meaning of this Diversity Plan, or for any other written complaint alleging any violations or non-compliance with this Diversity Plan, the ICO shall notify the affected party in writing and by registered mail (hereinafter "Notice of Non-Compliance Review") setting forth with particularity the reasons for the review and scheduling a Post-Bid Review Conference.

1. **Post-Bid Review Conference:** A Post-Bid Review Conference shall be held with the ICO, the apparent low bidder, and if applicable, the Program Manager.
2. **Declaration of Non-Responsiveness:** Following the Post-Bid Review conference the ICO may make a recommendation to the JSCB that an apparent low bidder's bid be rejected as non-responsive for failing to demonstrate Good Faith Efforts or any other provisions of this Plan, as determined by the ICO.

#### **L. SANCTIONS AND PENALTIES FOR NON-COMPLIANCE**

In evaluating bids and proposals solicited during the procurement process, the lowest price is one of several factors that will be used in the contract award evaluation process. The Program Manager will be concerned with responsive and responsible bidders who can provide quality goods and services. Additionally, it is expected that all firms will exercise Good Faith Efforts in seeking to maximize the use of available MWBEs in commercially viable ways, and the failure of a bidder to demonstrate the mandatory Good Faith Efforts to include MWBEs in the procurement process will be considered in the award of the contract.

**JSCB to Impose Sanctions/Penalties:** The JSCB, in consultation with the ICO, shall have the authority and power to enforce the provisions of this Diversity Plan. Failure by a bidder to comply with the requirements shall subject the non-complying party to administrative sanctions, after the opportunity to attend a hearing before a panel selected by the JSCB Board for that purpose. In addition, a violation of this Diversity Plan shall constitute a material breach of contract enforceable by law or in equity as will all other contract provisions, including the imposition of penalties. The following sanctions and penalties are established for the enforcement of this Plan:

1. **Declaration of Non-Responsiveness:** In addition to standard factors in bid evaluation, the JSCB may declare a bid non-responsive where it is determined that a bidder: Has not filed with the JSCB a duly executed "Contractor's Utilization Plan" or "Promise of Non-Discrimination"; or has failed to implement Good Faith Efforts.
2. **Cancellation of Contract:** The JSCB may declare a contract as null and void where, after such contract has been awarded, if an investigation determines that the bidder's Workforce or MWBE utilization documents contain false, fictitious, or fraudulent information.
3. **Rejection of Future Bids:** The JSCB may reject any or all future bids of a bidder until such time as the bidder shall have demonstrated that it is or shall come into compliance.
4. **Withholding Payment, Limited Suspension and Debarment:** For falsifications, misrepresentations, or engaging in subterfuge to obtain a contract, the JSCB may remove a bidder from its list of pre-qualified or otherwise eligible firms entitled to do business with the JSCB for a period not to exceed one (1) year or withhold payment after notice and opportunity for due process in the form of a hearing before a panel selected by the JSCB for that purpose.

5. Permanent Debarment: For repeated violations, the JSCB may remove a bidder from its list of pre-qualified or otherwise eligible firms entitled to do business with the JSCB, in accordance with applicable law.

## **M. SANCTIONS GUIDELINES**

**Guidelines for Imposition of Sanctions:** The sole authority for imposition of sanctions shall lie with the JSCB, in accordance with applicable law.

1. **General:** No suspension shall be imposed by the JSCB except upon evidence of specific conduct on the part of an MWBE or other contractor that is inconsistent with or in direct contravention of the applicable provisions of this Diversity Plan. Furthermore, the imposition and enforcement of sanctions shall be consistent with applicable state and federal law.

2. **Severity of Sanctions:** In determining the length of any suspension, the JSCB shall consider the following factors:

- a. Whether the failure to comply with applicable requirements involved intentional conduct or, alternatively, may be reasonably concluded to have resulted from a misunderstanding on the part of the contractor or MWBE of the duties imposed on them by this Program;
- b. The number of specific incidences of failure by the contractor or MWBE to comply;
- c. Whether the contractor or MWBE has been previously suspended;
- d. Whether the contractor or MWBE has failed or refused to provide the JSCB or the ICO with any information required by this Diversity Plan.
- e. Whether the contractor or MWBE has materially misrepresented any applicable facts in any filing or communication to the JSCB or the ICO; and
- f. Whether any subsequent restructuring of the subject business or other action has been undertaken to cure the deficiencies in meeting applicable requirements.

3. **Length of Suspension:** Suspensions may be for any length of time not to exceed two (2) years. Suspensions in excess of one year shall be reserved for cases involving intentional or fraudulent misrepresentation or concealment of material facts, multiple acts in contravention of applicable requirements, cases where the contractor or MWBE has been previously suspended, or other similarly egregious conduct.

## **N. UNDERUTILIZATION REMEDIES**

**Bond Requirements:** Bid bonds are usually required on large projects. The ability to qualify for bonds is often a problem for MWBEs. Therefore, these firms often miss out on substantial business opportunities. As an initiative to enhance minority and women business participation, and small business participation, the JSCB may, in its sole discretion, waive payment and performance bond requirements on certain service contracts where health and safety are not an issue.

**Prompt Resolution of Invoice Disputes:** MWBEs can be financially impacted if they do not receive timely notification of errors or questions regarding an invoice. Often the corrected invoice does not get included in the original submittal period but instead is submitted in a later submittal period. If a prime disagrees with an invoice submitted by an MWBE, the prime has three (3) business days to notify the MWBE of any questions. The MWBE shall then have three to five (5) business days to resubmit a corrected invoice. This invoice shall be paid within the original scheduled draw period.

**Prompt Payment Program:** MWBEs are placed in substantial financial risk when they do not receive draws in a timely manner. The irregularities of payment affect their ability to perform on the specific contract and other ongoing contracts. In many cases the prime has been paid for the work completed by the MWBE. To remedy this problem, the ICO will be notified when the prime receives a draw. The prime must pay the subcontractor in a timely fashion. If the firm does not receive payment in a timely fashion, the ICO, the prime, subcontractor and Program Manager shall meet. If the payment was withheld without reason, the prime shall be required to pay a penalty in the amount of three times the prime interest rate. Additional penalties may be imposed in the event the prime exhibits any negative action toward the MWBE as reported to the ICO by the MWBE.

**Outreach Program** The MWBE Outreach Program will be set up by the ICO to notify the entire community of contracts and professional services opportunities available to them. The procedures within this program will reinforce the JSCB commitment to do business with MWBEs. In order for this program to be accomplished, a constant saturation effort should be made to pursue all capable, competent, certified, qualified and prepared MWBEs. Notification of the Outreach Program will be forwarded, on a quarterly basis and when updating is necessary, to all media in the Westchester County area focused or marketed to MWBEs. Publications with a known MWBE audience will be targeted. The ICO will actively communicate with local advocacy groups to keep them abreast of the Outreach Program.

#### **O. HIRING AND APPRENTICESHIP PROGRAM**

**Apprenticeship Programs:** The JSCB will require apprentice training programs mandated by the Act. Such programs shall be registered by the Department of Labor. All requirements set forth in the Act for such programs shall be met. The JSCB will promote interest in such apprenticeship programs throughout the community.

#### **P. SEVERABILITY**

If any of the provisions set forth in this Program or any section, subsection, paragraph, sentence, clause, phrase, or word thereof shall be found to be invalid, illegal or unenforceable for any reason, the application of the remainder of this Program shall not be affected by such invalidity.

#### **Q. AMENDMENTS**

This Diversity Plan is subject to periodic review by the JSCB and may be amended, at any time, in the discretion of the JSCB. To the extent that anything contained in this Diversity Plan conflicts with the Act, or any other applicable law, the provisions of the Act or such applicable law shall control.



**Diversity Plan for Construction Pursuant to Phase I of the  
Comprehensive Joint Schools  
Construction and Modernization Plan**

**RIDER #1**

Page 6 Section 1. (i): New York State certified MBE and WBE firms to replace City of Yonkers certified firms.

Page 7 Section 2. (c.): Replace paragraph with:

C. **Supplier Participation:** Where a prime contractor utilizes suppliers to satisfy the goal(s) in whole or in part, the M/WBE suppliers must perform a commercially useful function. Participation may be approved upon review of the following factors:

1. the nature and amount of supplies to be furnished;
2. whether the M/WBE is a manufacturer, wholesaler or distributor of the supplies and has the capabilities to deliver the goods in accordance with its certification;
3. whether the M/WBE actually performs, manages and supervises the work to furnish the supplies;
4. whether the M/WBE intends to purchase supplies from a non-M/WBE and simply resell same to the general or prime bidder for the purpose of allowing those supplies to be counted towards fulfillment of the goal(s);
- e. Fifty percent (50%) of the contract amount for suppliers and vendors shall count towards the goal on construction contracts.

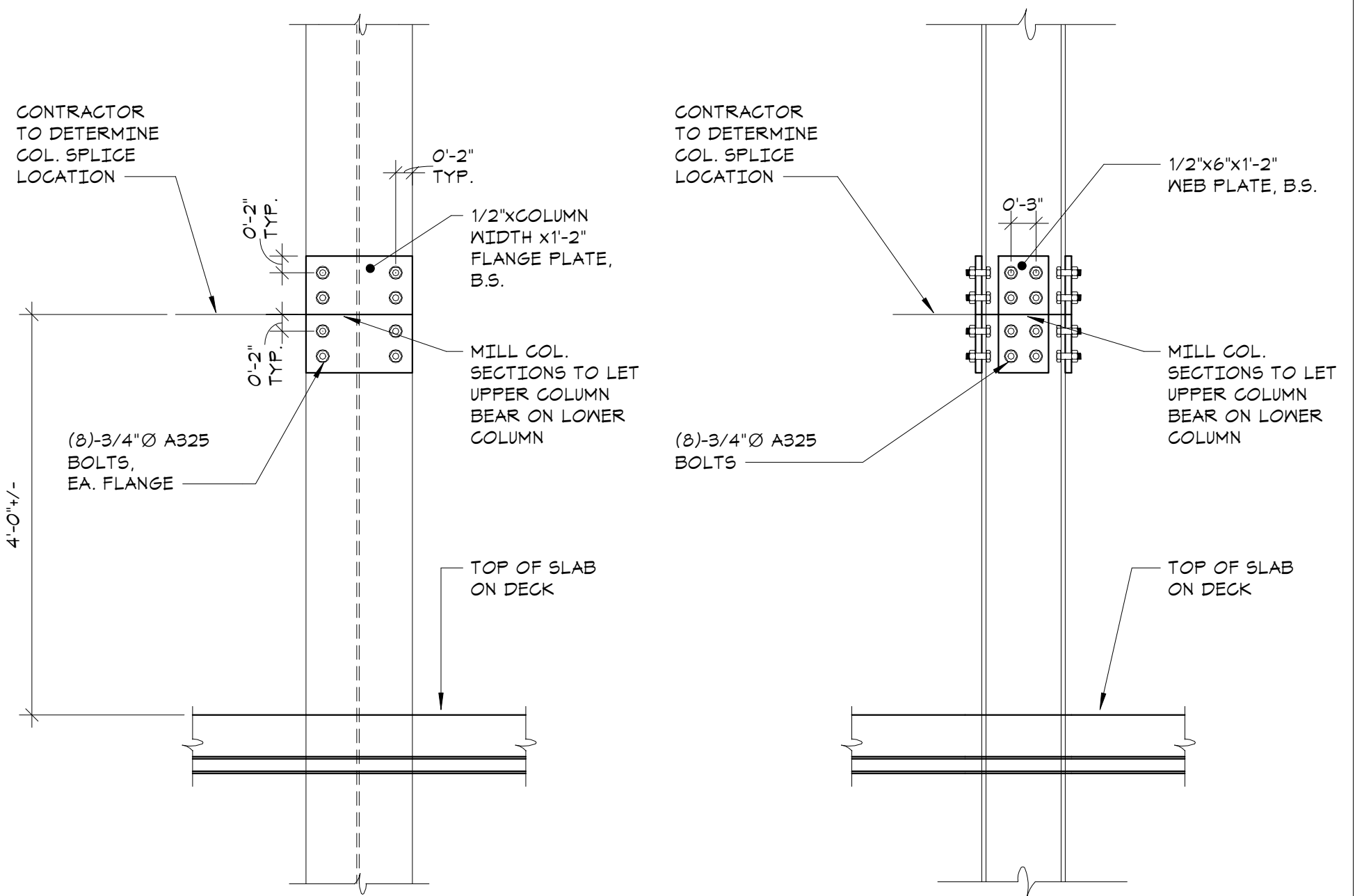
Page 9, #8 & #9: Replace with:

*8. Once all work has been completed on a contract and prior to close out, the Prime Contractor will submit Form B's to the CCO & ICO stating the total amount actually paid to the MWBE along with corresponding proof of payment. A separate Form B is needed for each MWBE participating in the contract. Each Form B must be signed by both the prime contractor and the MWBE firm.*


*9. The Independent Compliance Officer shall review all Form B's for completeness and accuracy.*

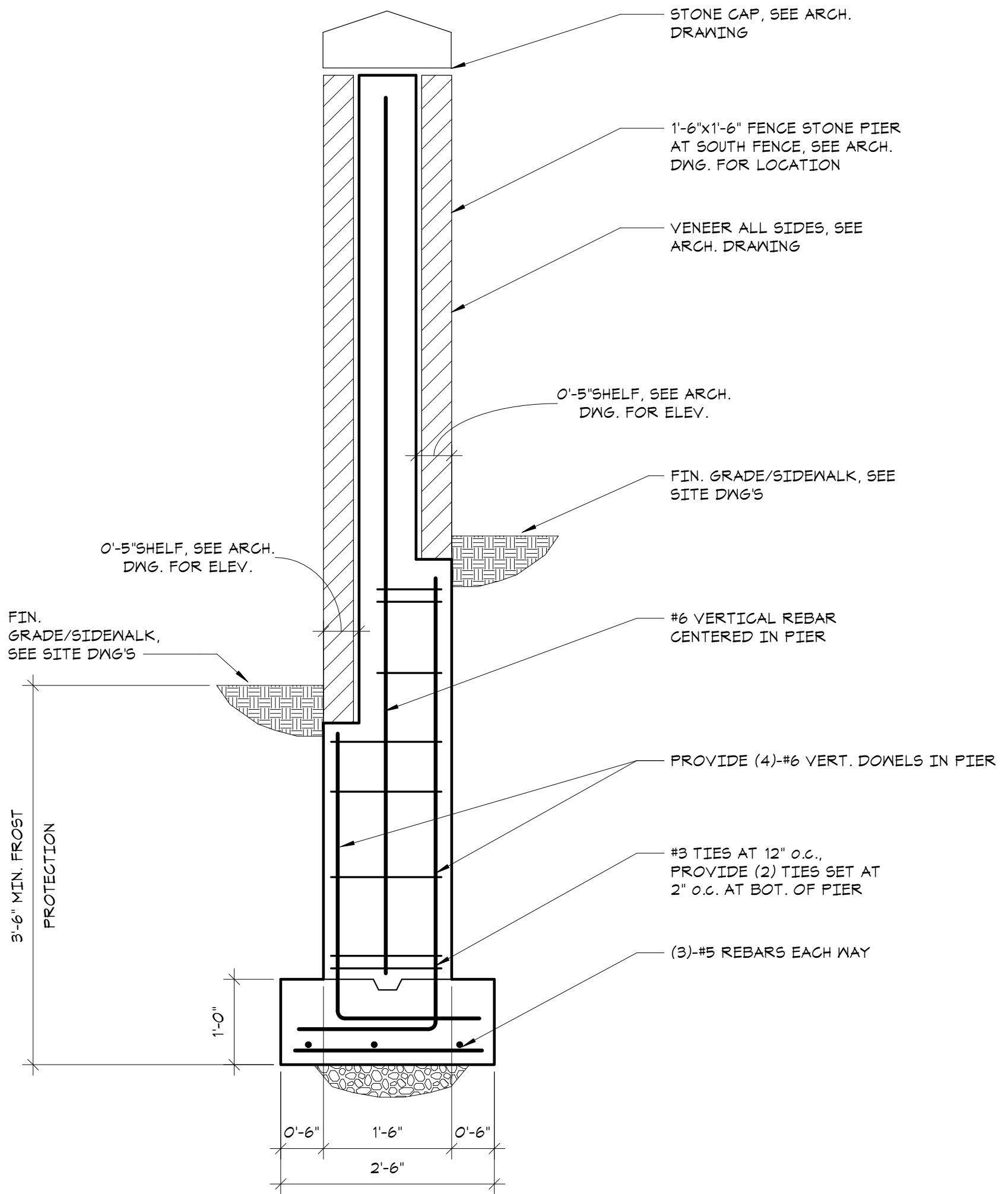
Page 18 Section (J) 1- a.: Insert "all of the available" to replace "at least (7) available".

**NOTE:** FOR ALL W12 COLUMNS, ALL HSS COLUMNS AND ALL OTHER MOMENT FRAME (LATERAL) COLUMNS, PROVIDE GJP WELD AT SPLICE LOCATIONS



## TYPICAL W10 (GRAVITY) COLUMN SPLICE DETAIL

			SCALE: NO SCALE	NEW COMMUNITY SCHOOL 35 AT ST DENIS SITE	
			PROJ. LEADER: TBH	121 McLean Avenue, Yonkers, NY 10705	
NO	REVISION	DATE	PROJ. ENGINEER: TM		
			DRAWN BY: TM	COLUMN SPLICE DETAIL	
			JOB No.: 20142.00		
			DATE: 12/08/21		
 <p>Lee Farm Corporate Park 83 Wooster Heights Road Suite 200 Danbury, CT 06810 Tel: (203) 490-4140 www.tdeg.com</p>			SSK-01		



## SOUTH FENCE STONE PIER DETAIL

NO	REVISION	DATE


**The Di Salvo Engineering Group**  
 Structural Engineers  
 Lee Farm Corporate Park  
 83 Wooster Heights Road  
 Suite 200  
 Danbury, CT 06810  
 Tel: (203) 490-4140  
 www.tdeg.com

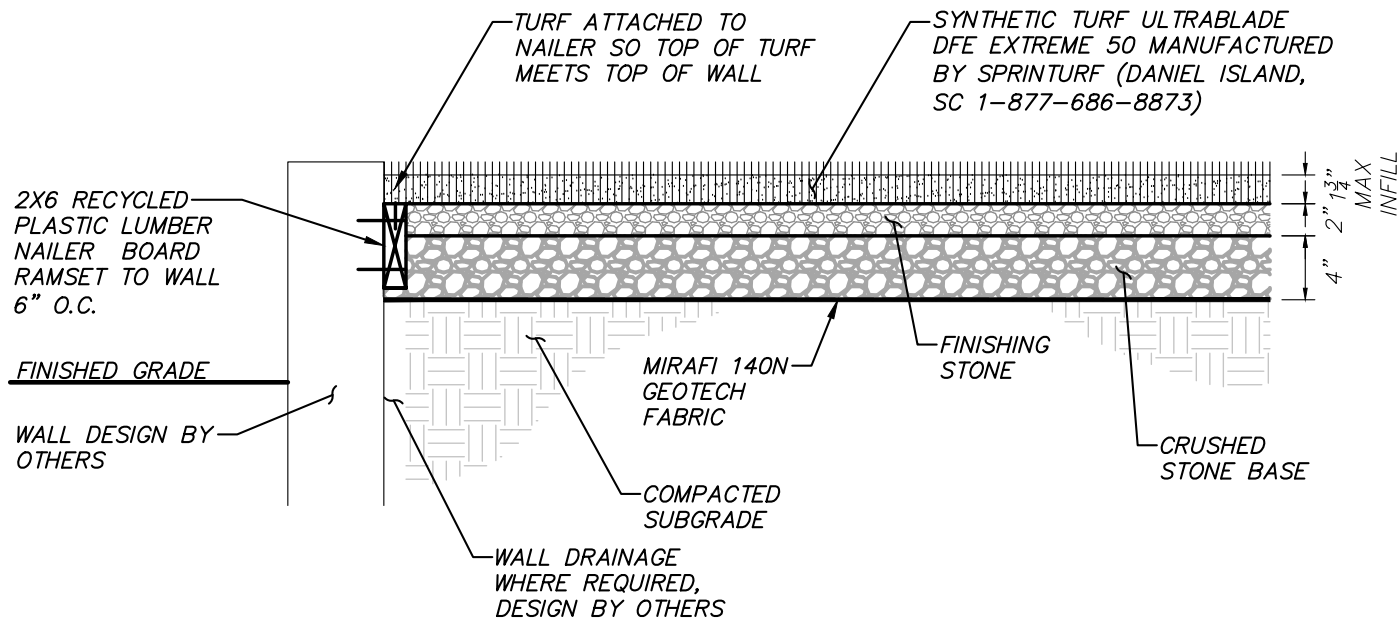
SCALE:	NO SCALE
PROJ. LEADER:	TBH
PROJ. ENGINEER:	TM
DRAWN BY:	TM
JOB No.:	20142.00
DATE:	12/08/21

NEW COMMUNITY SCHOOL 35 AT ST DENIS SITE  
 121 McLean Avenue, Yonkers, NY 10705

SOUTH FENCE STONE PIER DETAIL

SSK-02





**SYNTHETIC TURF DETAIL**  
(N.T.S.)

PROJECT: NEW COMMUNITY SCHOOL 35  
AT ST DENIS SITE  
121 McLean Avenue Yonkers, NY 10705

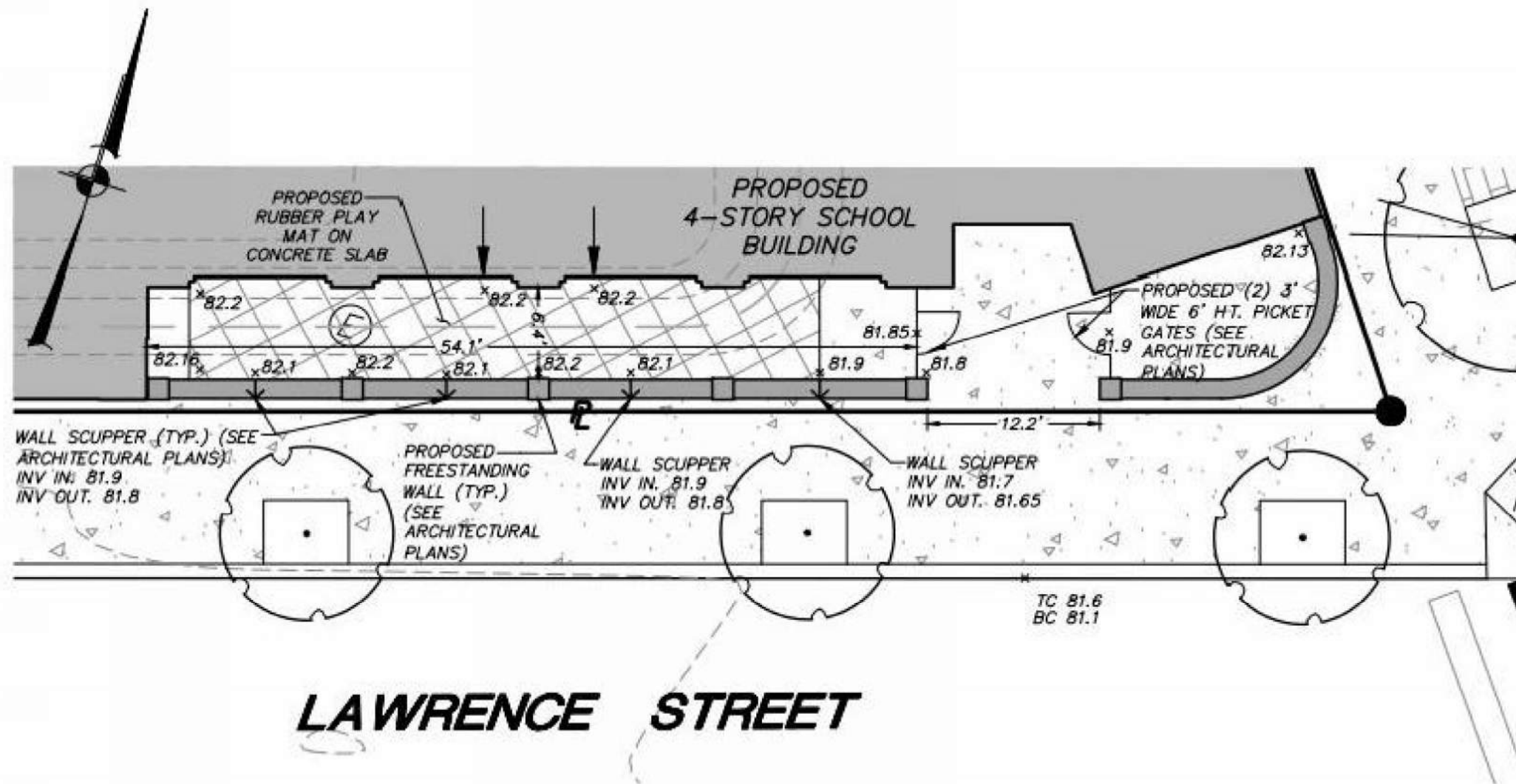
DRAWING:  
SYNTHETIC TURF DETAIL

PREPARED BY:


**INSITE**  
 ENGINEERING, SURVEYING &  
 LANDSCAPE ARCHITECTURE, P.C.  
 3 Garrett Place • Carmel, New York 10512  
 Phone (845) 225-9690 • Fax (845) 225-9717  
 www.insite-eng.com

DATE: 12/8/2021  
SCALE: N.T.S.  
PROJECT NO.: 20192.100  
FIGURE:

Z:\A\20192100\KG.DWG - St Denis\Misc-Drawing-Eliza\Synthetic\_Turf\_Detail.dwg 12/8/2021 4:18:48 PM kmiller 11



**LAWRENCE STREET**

EASTERN FRONTAGE COURTYARD

SCALE: 1" = 10'

NOTE: WHERE RUBBER PLAY MATS ARE RECESSED, WALL SCUPPER INVERTS IN ARE SET 0.2' BELOW FINISHED GRADE TO ACCOUNT FOR THICKNESS OF THE RUBBER MATS

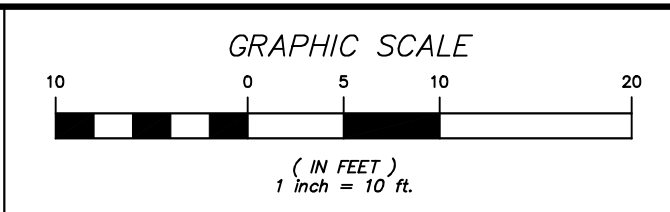
PROJECT:  
**NEW COMMUNITY SCHOOL 35 AT ST DENIS SITE**  
 121 McLean Avenue Yonkers, NY 10705

DRAWING:  
**LAWRENCE STREET ELEVATIONS**

PREPARED BY:



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DATE: 12-09-21  
 SCALE: 1" = 10'  
 PROJECT NO.: 20192.100  
 FIGURE: 2

Z:\E\20192100 K&D-St Denis\Misc Drawing Files\Bid Addendum Details.dwg, 12/9/2021 4:11:14 PM, kmiller, 11

**NEW COMMUNITY SCHOOL AT THE ST DENIS SITE**

YONKERS JOINT SCHOOL CONSTRUCTION BOARD  
121 McLean Avenue  
Yonkers, NY 10705



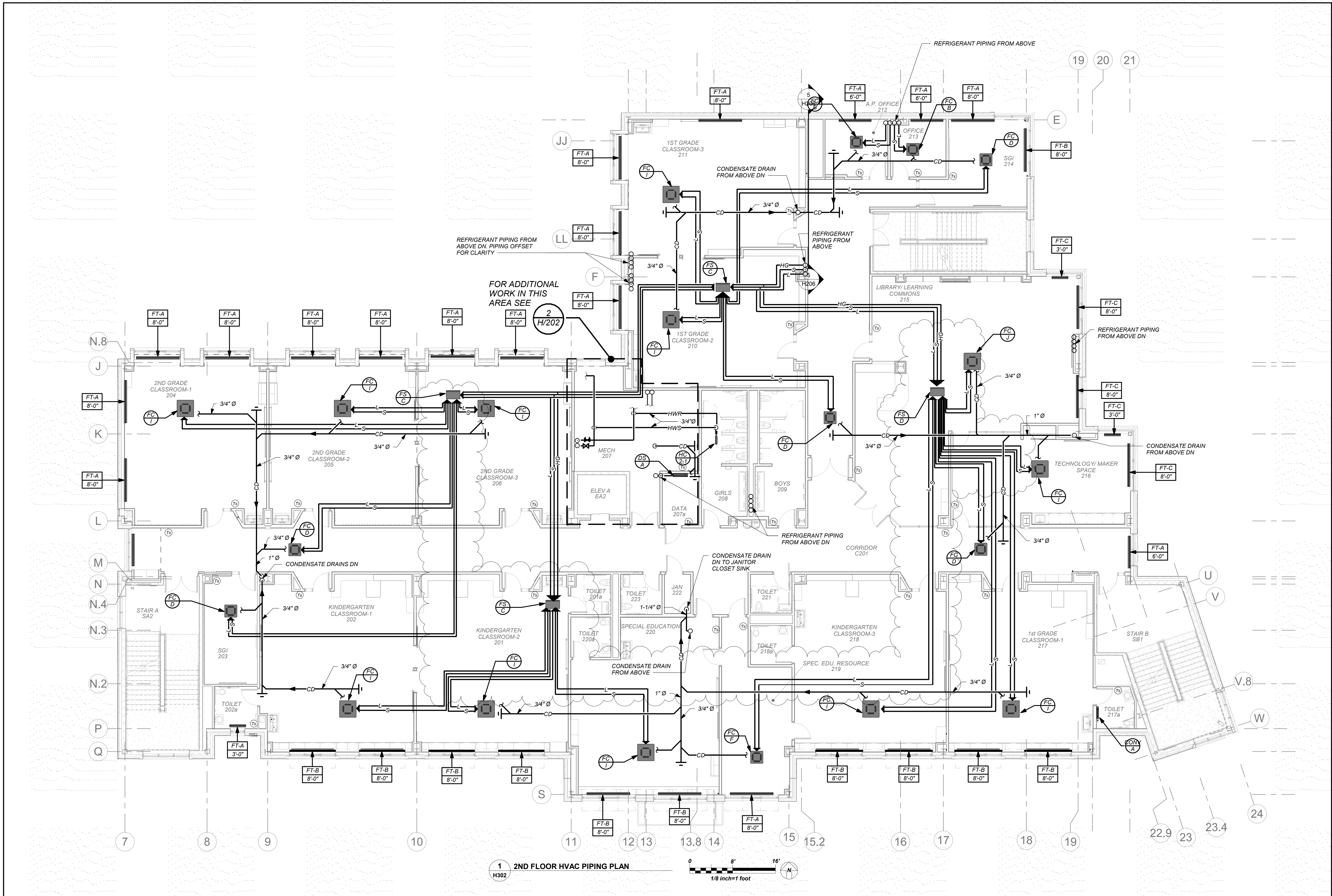
**KG+D . ARCHITECTS PC**  
385 MAIN STREET MOUNT KISCO, NEW YORK, 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
66-23-00-01-0-346-001

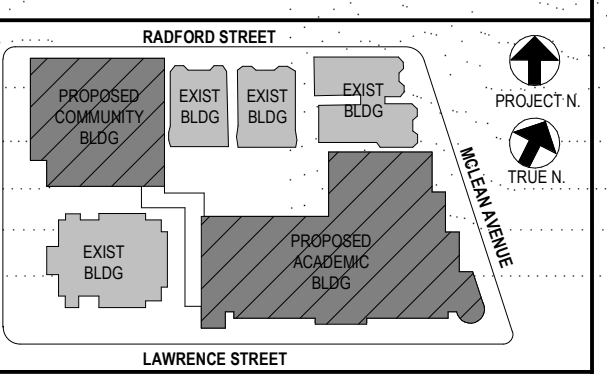
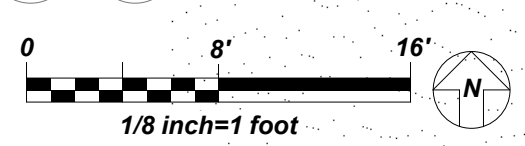
**CONSTRUCTION DOCUMENTS**



**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
30 MARBLE AVE. PLEASANTVILLE, NY 10570  
P:914.238.0900 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM



**1 H302 2ND FLOOR HVAC PIPING PLAN**



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**HOT WATER PIPING:**  
SEE FIRST FLOOR PIPING PLAN FOR HOT WATER SUPPLY AND RETURN LOOP UPFEEDING SECOND FLOOR TERMINAL UNITS. SEE DETAIL 1/H303 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.

Professional Seal

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  
**2nd Floor Piping**

Job No. 2019-1026 Date 08/24/21  
Scale AS NOTED Drawn / Checked BGA/BGA  
Sheet Number

**H302**

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  
121 McLean Avenue  
Yonkers, NY 10705



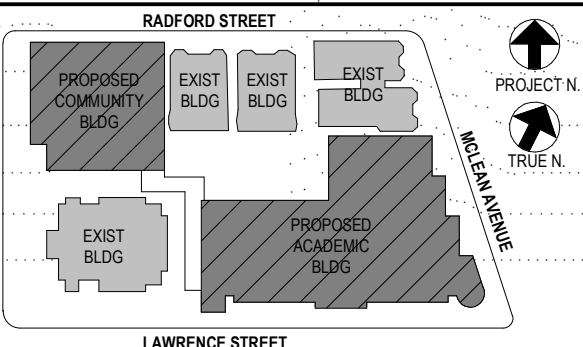
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P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
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**CONSTRUCTION DOCUMENTS**



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

Sheet Title

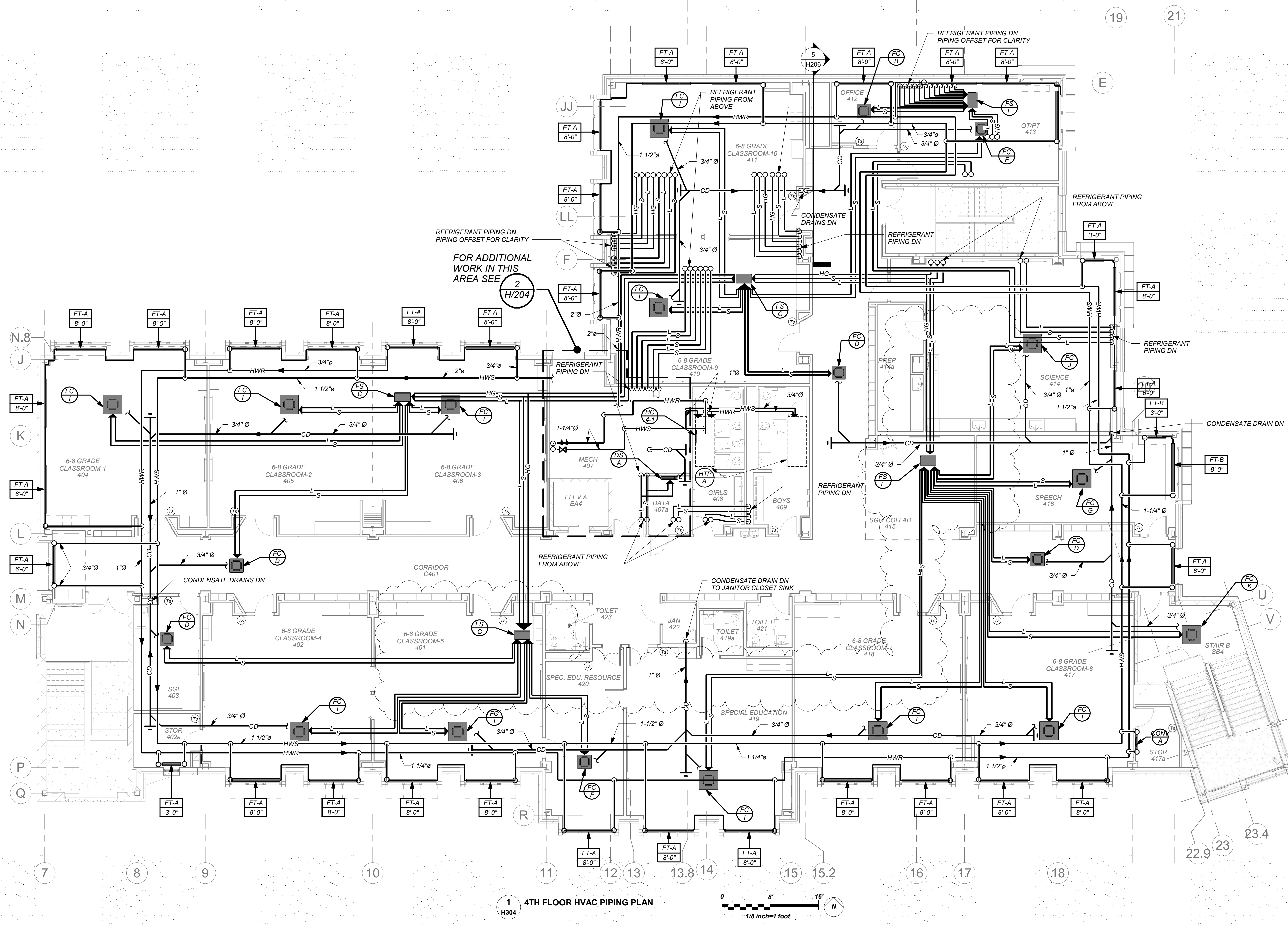
4th Floor Piping

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

Scale AS NOTED Drawn / Checked BGA/BGA

Sheet Number

**H304**



**1 H304 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

**NEW COMMUNITY SCHOOL AT THE ST DENIS SITE**

YONKERS JOINT SCHOOL CONSTRUCTION BOARD  
121 McLean Avenue  
Yonkers, NY 10705



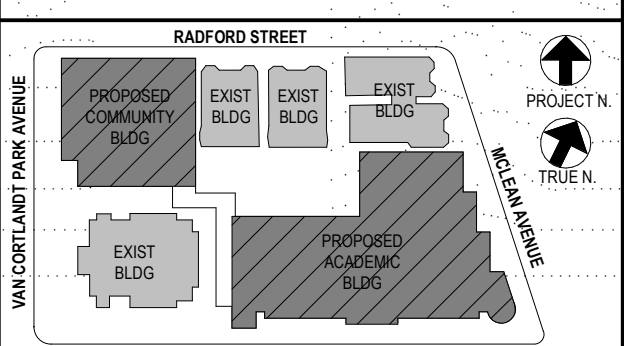
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**1 1st FLOOR ELECTRICAL LIGHTING PLAN**  
E201

**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.

**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 'M' 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.
5. CLASSROOM CONFERENCE ROOM ARE CONTROLLED VIA MANUAL ON AUTO OFF DIMMABLE WALL SWITCH AND OCCUPANCY SENSORS. EACH SWITCH CONSISTS OF FULL DIMMING CAPABILITY OF THREE ZONES. WALL SWITCHES CONSISTS OF 'A', 'B', 'C' OFF, 'RAISE', AND 'LOWER' BUTTONS. THE OCCUPANCY SENSORS SHALL HAVE THE AUTO OFF FEATURE WHICH SHALL TURN ALL LIGHTS OFF AFTER 20 MINUTES WHEN THE ROOM IS VACANT. CLASSROOMS THAT HAVE EMERGENCY LIGHTING, SHALL HAVE A SEPARATE ROOM CONTROLLER WITH BUILT-IN UL 924 EMERGENCY LIGHTING RELAY AND CONTROLLED VIA THE DESIGNATED ZONE IN LOCAL SWITCH. IN THE EVENT OF AN EMERGENCY, LIGHTS ON THE EMERGENCY ZONE AND CIRCUIT WILL BE 100% ON REGARDLESS OF SWITCH POSITION.

**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. THE INDICATED SWITCH SHALL CONTROL ALL CORRIDOR LIGHTING AND STAIRWAY LIGHTING THROUGHOUT THE BUILDING. PROVIDE LEXAN COVER. EXACT LOCATION SHALL BE COORDINATED WITH OWNER BEFORE THE START OF ANY WORK.
3. MOMENTARY LIGHT SWITCH SHALL CONTROL "Z" FIXTURES ON THE EXTERIOR STEPS.
4. PROVIDE WALL MOUNTED JUNCTION BOX FOR DISPLAY CASE LIGHTING. LIGHT SHALL BE HARDWIRED TO CORRIDOR CIRCUIT HAS SHOWN. IF LIGHT FIXTURE COMES WITH J-CORD, EC SHALL REMOVE J-CORD, AND REWIRE CIRCUIT DIRECTLY TO FIXTURE JUNCTION BOX/DRIVER. COORDINATE THE EXACT LOCATION OF JUNCTION BOX WITH ARCHITECT BEFORE THE START OF ANY WORK.
5. 3 WAY KEYSwitches SHALL CONTROL CORRIDOR LIGHTING FOR THE ENTIRE COMMUNITY BUILDING CORRIDOR LIGHTING. REFER TO E210 AND E211 FOR ADDITIONAL SWITCHING AND CONTROLS. COORDINATE THE EXACT LOCATION BEFORE THE START OF ANY WORK.
6. RELAY SHALL CONTROL EXTERIOR EGRESS EMERGENCY LIGHTS.
7. EXACT MOUNTING LOCATION TO BE COORDINATED WITH OWNER AND ARCHITECT BEFORE THE START OF ANY WORK.
8. THE NORMAL ROOM CONTROLLER "Y" AND EMERGENCY ROOM CONTROLLER "Z" SHALL CONTROL CORRIDOR LIGHTING ON THIS FLOOR AND SHALL BE CONNECTED TO SIMILAR ON OTHER FLOORS. THEY SHALL BR CONTROLLED VIA SWITCHING AT MAIN VESTIBULE 100.

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

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

Sheet Title

1st FLOOR ELECTRICAL LIGHTING PLAN

Job No.	2019-1026	Date	8/31/20
Scale	AS NOTED	Drawn / Checked	BGA/ BGA
Sheet Number	<b>E201</b>		

**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**

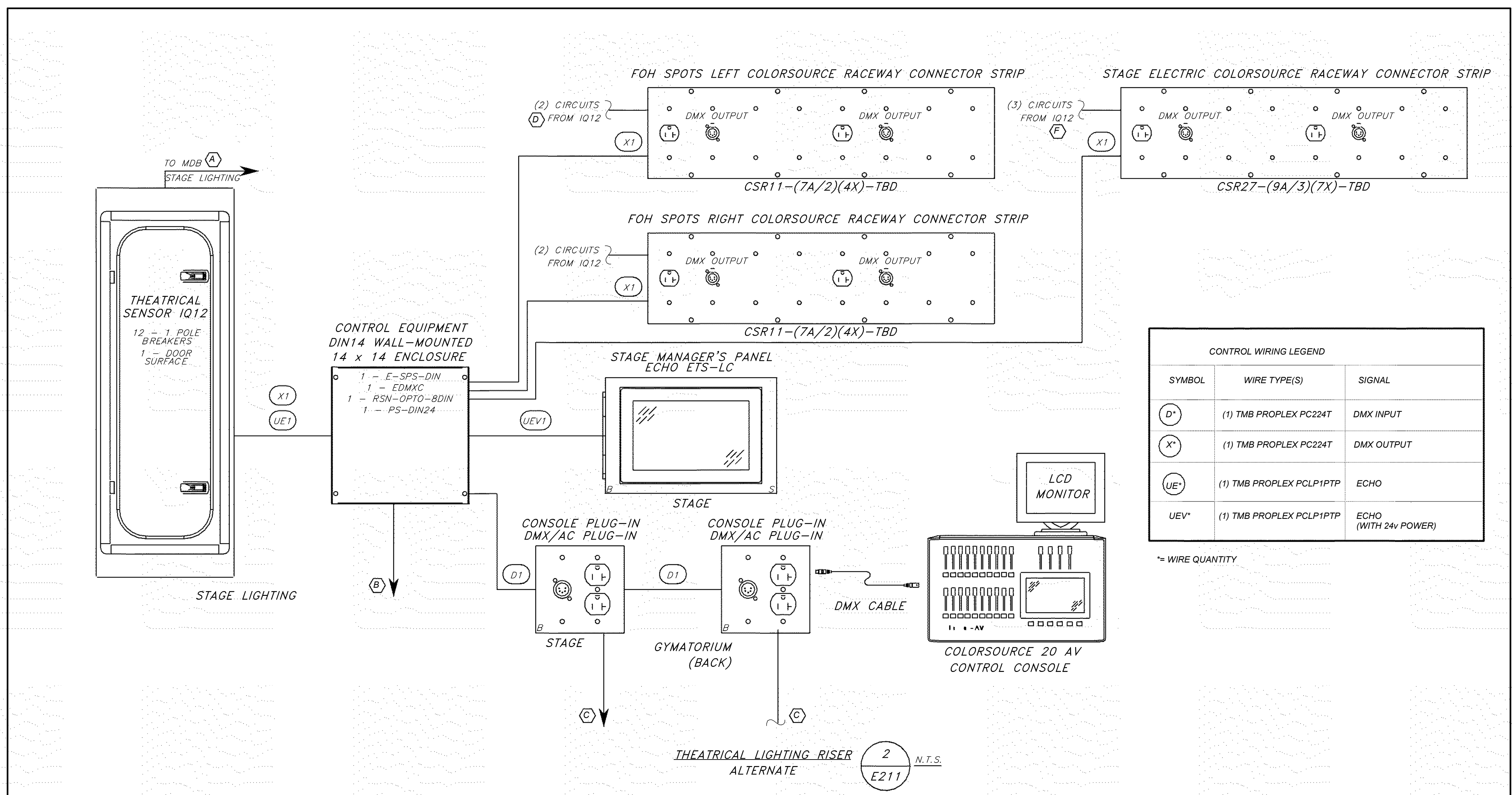
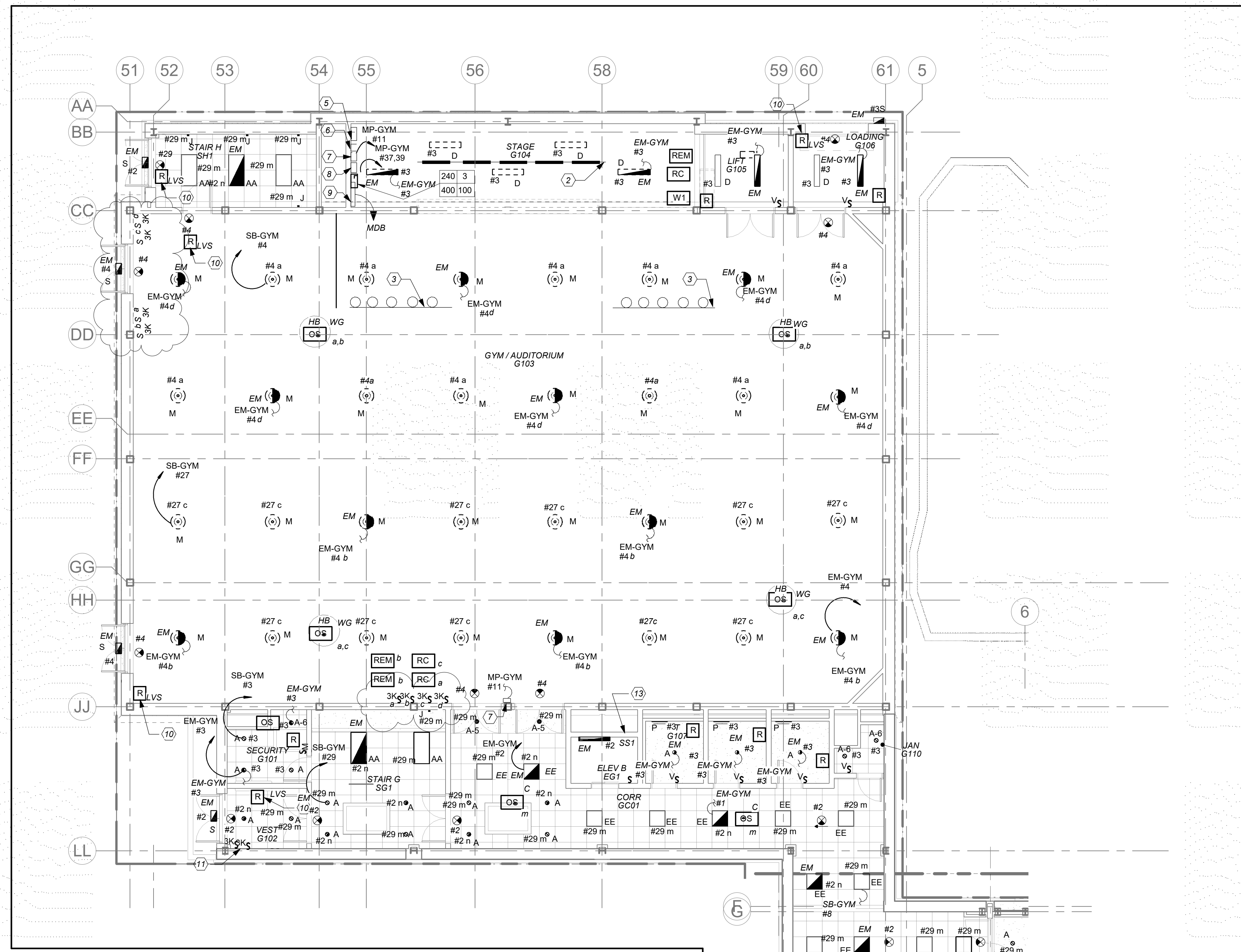
- (A) PROVIDE THEATRICAL SENSOR IQ PANEL WITH (12) 1-POLE BREAKERS. PROVIDE 4-300 KCMIL 1-10G IN 2-1/2" CONDUIT FROM DISCONNECT SWITCH TO THE MAIN DISTRIBUTION BOARD IN THE ELECTRICAL ROOM. REFER TO DRAWING E300 FOR EXACT LOCATION. PROVIDE A 3P-100 AMP BREAKER AT SPACE ON AVAILABLE ON THE BOARD. PROVIDE #11-186G-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 (3) 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 "M" 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 OVERHANGS.
- (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)-TBD.
- (4) **ADD ALTERNATE:** PROVIDE COLOR SOURCE RACEWAY CONNECTOR STRIP, MANUFACTURER ETC MODEL # CSR27-(9A/3)(7X)-TBD.
- (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 1-10G 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 #11-186G IN 1-1/2" CONDUIT FROM DISCONNECT SWITCH TO FEED SENSOR IQ PANEL.
- (10) RELAY SHALL CONTROL EXTERIOR EGRESS EMERGENCY LIGHTS.
- (11) 3 WAY KEYSWITCHES SHALL CONTROL CORRIDOR LIGHTING FOR THE ENTIRE COMMUNITY BUILDING CORRIDOR LIGHTING. REFER TO E301 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.



**CONTROL WIRING LEGEND**

SYMBOL	WIRE TYPE(S)	SIGNAL
(D)	(1) TMB PROPLEX PC224T	DMX INPUT
(X)	(1) TMB PROPLEX PC224T	DMX OUTPUT
(UE)	(1) TMB PROPLEX PCLP1PTP	ECHO
UEV*	(1) TMB PROPLEX PCLP1PTP	ECHO (WITH 24V POWER)

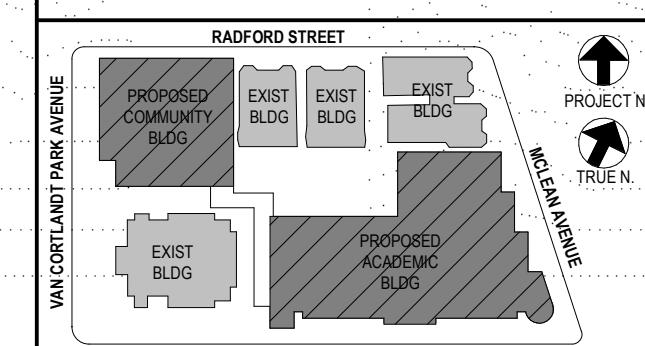
\* WIRE QUANTITY

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 YONKERS JOINT SCHOOL CONSTRUCTION BOARD  
 121 McLean Avenue  
 Yonkers, NY 10705

**KG+D** listen imagine build  
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 P.914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.  
 66-23-00-01-0-346-001

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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-NYS-ESD
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN

Sheet Title

**COMM. WING 1ST FL ELEC LIGHTING PLAN**

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

**E211**

**NEW COMMUNITY SCHOOL AT THE ST DENIS SITE**

YONKERS JOINT SCHOOL CONSTRUCTION BOARD  
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Yonkers, NY 10705



**KG+D . ARCHITECTS PC**  
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549  
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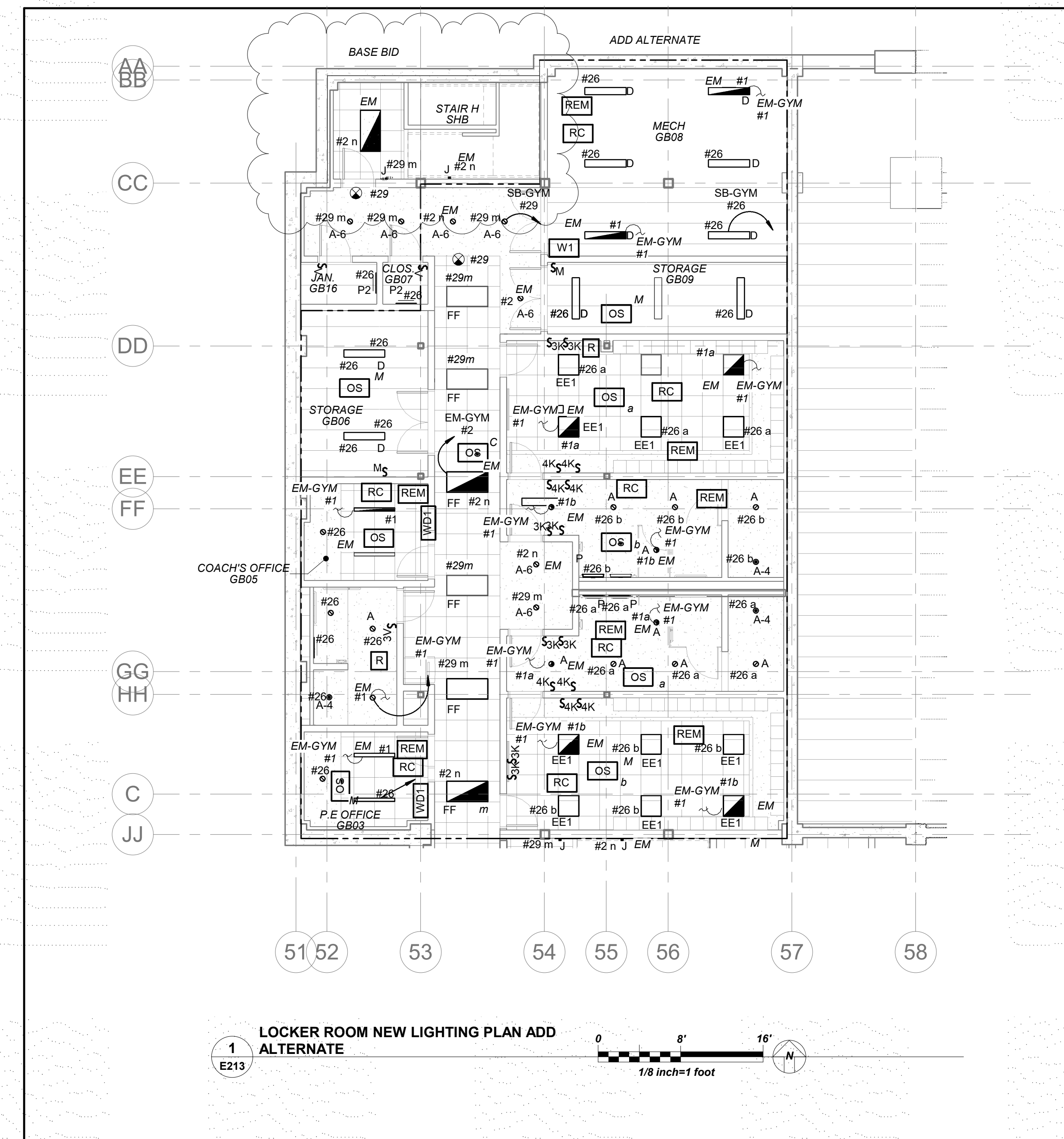
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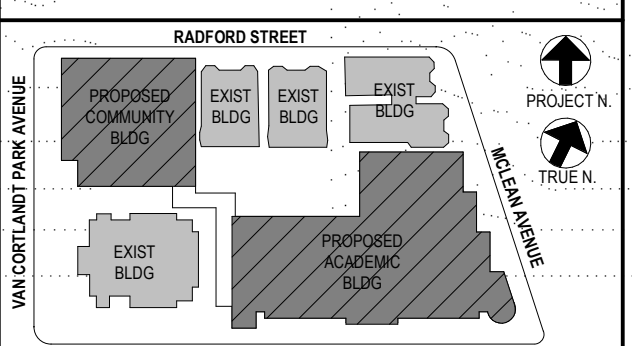
**LOCKER ROOM NEW LIGHTING PLAN ADD ALTERNATE**

**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.

**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 OVERRIDE MASTER TOGGLE SWITCH 'MD' WHICH CAN SERVE AS SECURITY LIGHT OR ON DEMAND BY AUTHORIZED PERSONNEL (SUCH AS FIRE DEPT). UTILIZE THE LOCAL NORMAL LIGHTING WITHIN THE SAME AREA FOR SENSING CIRCUIT.



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Professional Seal

No.	Date	Issue
6	12/10/2021	ADDENDUM 4
5	11/01/2021	ISSUED TO BID
4	09/14/2021	SED ADDENDUM 2
3	07/14/2021	CONSTRUCTION DOCS-NYS&D
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN

Sheet Title  
**COMM. WING-BASEMENT ELEC LIGHTING PLAN ADD ALTERNATE**

Job No. 2019-1026 Date 10/19/21  
Scale AS NOTED Drawn / Checked Author Checker

Sheet Number  
**E213**

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**

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CONSTRUCTION DOCUMENTS

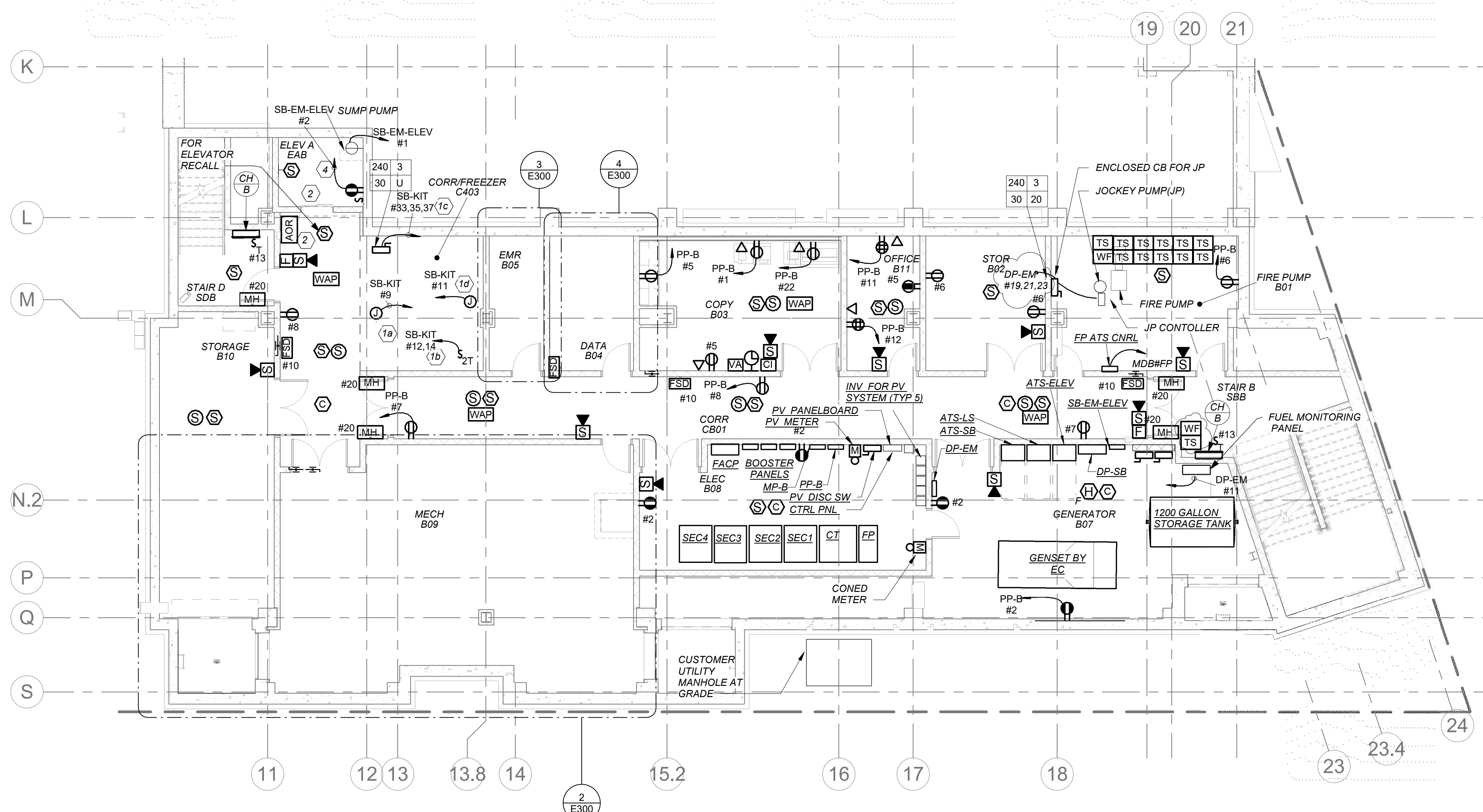


**GENERAL NOTES:**

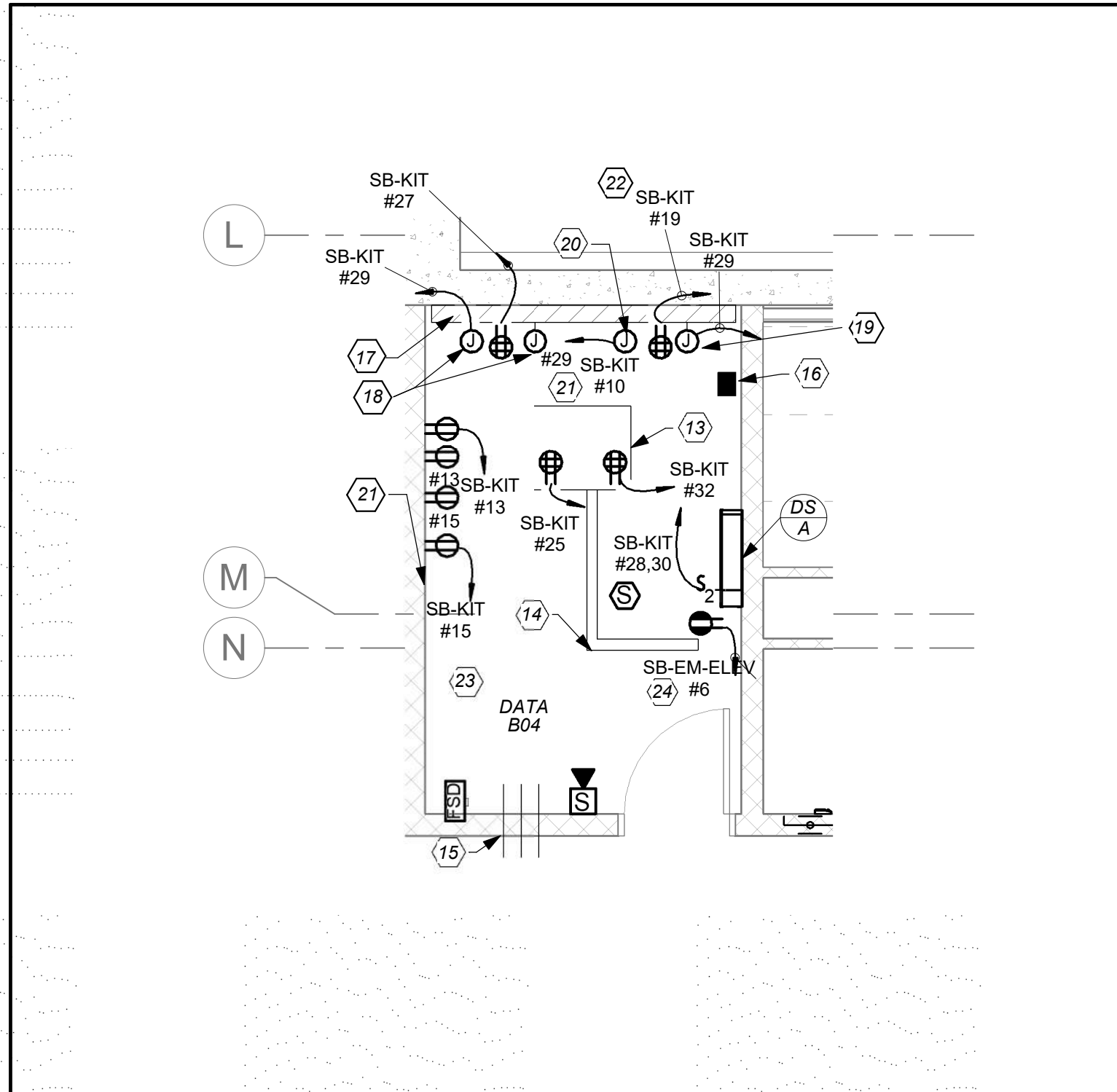
- REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DRAWING E300 SERIES, FOR SCOPE OF WORK.
- REFER TO PANELBOARD SCHEDULE ON DRAWING E300 SERIES FOR BRANCH CIRCUITING INFORMATION.
- REFER TO DRAWING E700 SERIES FOR DETAILS.

**WORK NOTES:**

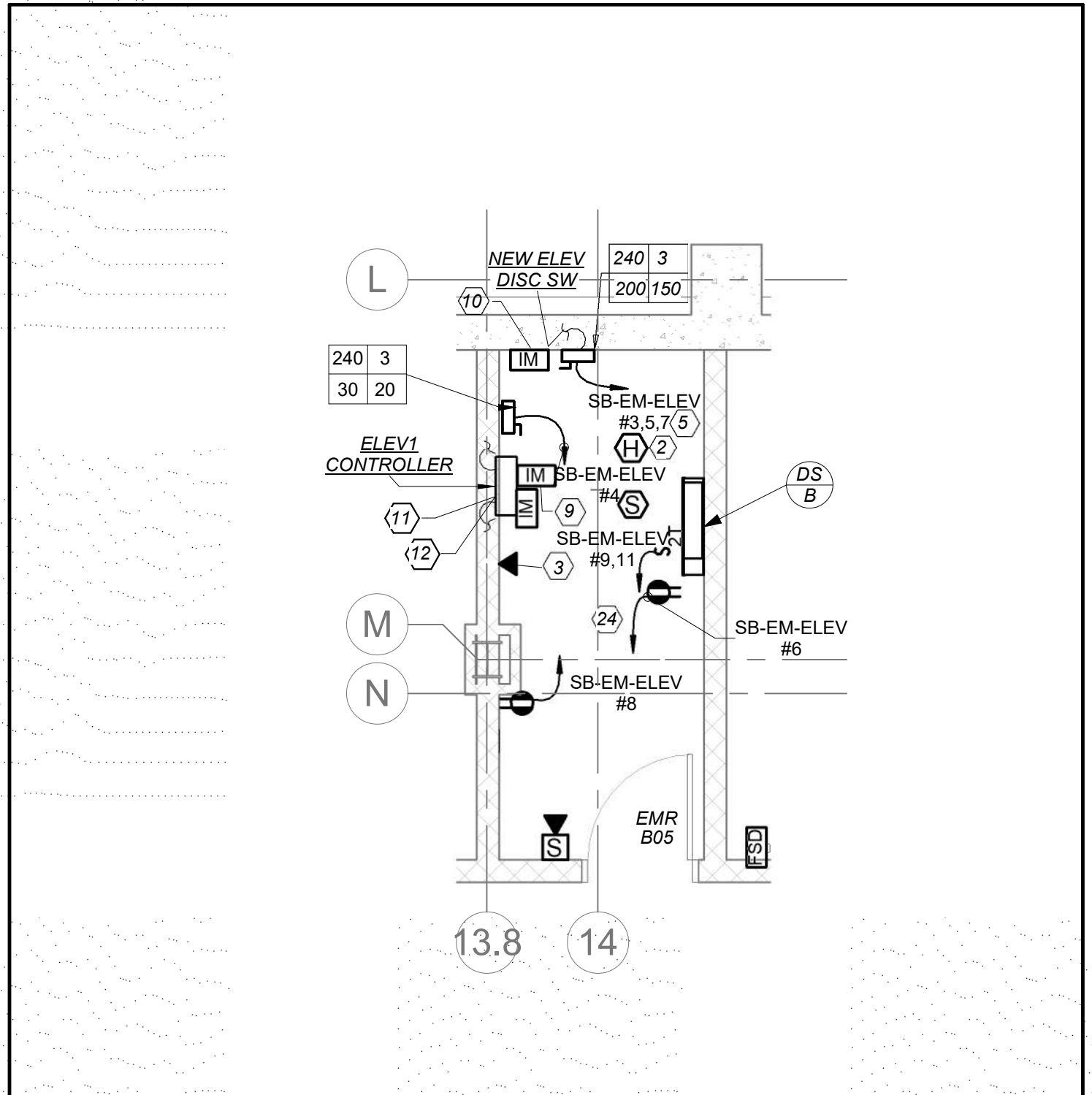
- PROVIDE THE FOLLOWING BRANCH CIRCUIT FOR WALK-IN FREEZER PER FOLLOWING
  - CIRCUIT FOR NEW WALK-IN COOLER. VAPOR TIGHT LIGHT FIXTURE SHALL BE FURNISHED WITH FREEZER AND EC SHALL INSTALL AND WIRE. ACCOMMODATE ALL REQUIREMENTS FOR EXPANDING FOAM SEALANT INSIDE CONDUIT AT PANEL PENETRATIONS TO AVOID CONDENSATE ACCUMULATION INSIDE LIGHT FIXTURES. REFER TO DETAILS ON KITCHEN DRAWING KA SERIES FOR ADDITIONAL INFORMATION.
  - 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.
  - CIRCUIT FOR NEW CONDENSING UNITS FOR WALK-IN FREEZER. COORDINATE IN FIELD FOR EXACT MOUNTING LOCATION.
  - E.C. TO CONNECT ELECTRIC HEAT WRAP TAPE ON FREEZE EVAPORATOR COIL DRAIN LINE FURNISHED BY OTHERS.
- 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.
- PROVIDE DIRECT OUTSIDE PHONE LINE FROM ELEVATOR TO DATA ROOM.
- 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.
- DISCONNECT SWITCH TO FEED ELEVATOR CAR. PROVIDE DRY CONTACT WITH 2#18 - 3/4" FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
- RESCUE ASSISTANCE SYSTEM. REFER TO RISER ON DRAWING E503
- DISCONNECT SWITCH FOR ELEVATOR CAR LIGHT. PROVIDE DRY CONTACT WITH 2#18 - 3/4" FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
- NOT USED
- PROVIDE FIRE ALARM CONTROL RELAY/INTERFACE MONITORING MODULE ONE FOR FIRE ALARM RECALL/ALTERNATE RECALL AND ONE FOR FIRE HAZARD HAT. MUST BE NORMALLY CLOSED AND CONNECTED TO SET OF DRY CONTACTS WITH CONTROLLER.
- PROVIDE FIRE ALARM CONTROL RELAY/INTERFACE MONITORING MODULE FOR DISCONNECT TO MONITOR THE POSITION OF MAINLINE DISCONNECT FOR GENERATOR BACKUP.
- 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.
- 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.
- NEW 19" RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
- PROVIDE LADDER 12" WIDE X 12" RUNG SPACING IN CLOSET CONNECTING TO RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
- PROVIDE NEW (3) 4" CONDUIT SLEEVE THROUGH WALL TO ABOVE CORRIDOR CEILING FOR NEW HORIZONTAL CABLING PATHWAY.
- FOR FLOOR PENETRATION PROVIDE ONE (1) STILEZ PATH #A-3054 FIRE STOP DEVICE MODULE COORDINATE PENETRATION WITH STRUCTURAL ENGINEER BEFORE START OF ANY WORK.
- PROVIDE TWO (2) NEW 4X8X3/4" PLYWOOD PAINTED BLACK WITH FIRE RETARDANT PAINT. COORDINATE EXACT MOUNTING LOCATION WITH YONKERS IT DEPT. AND ITS LARSON BEFORE START OF ANY WORK.
- PROVIDE JUNCTION BOX FOR TWO (2) LOCK P/S REFER TO ITS LARSON DRAWINGS SE-300 AND COORDINATE WITH ITS LARSON BEFORE START OF ANY WORK.
- PROVIDE JUNCTION BOX FOR ILDA INTERFACE REFER TO ITS LARSON DRAWINGS SE-300
- PROVIDE JUNCTION BOX FOR BURGLAR ALARM INTERFACE REFER TO ITS LARSON BEFORE START OF ANY WORK.
- PROVIDE FOR CCTV DATA RACK. REFER TO ITS LARSON DRAWINGS SE-300.
- THESE RECEPTACLES ARE FOR IT EQUIPMENT. COORDINATE WITH YONKERS IT DEPT FOR EXACT MOUNTING LOCATIONS BEFORE START OF ANY WORK.
- 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.
- PROVIDE CEILING MOUNTED GFI OUTLET FOR CONDENSATE PUMP COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR BEFORE INSTALLING THE OUTLET.



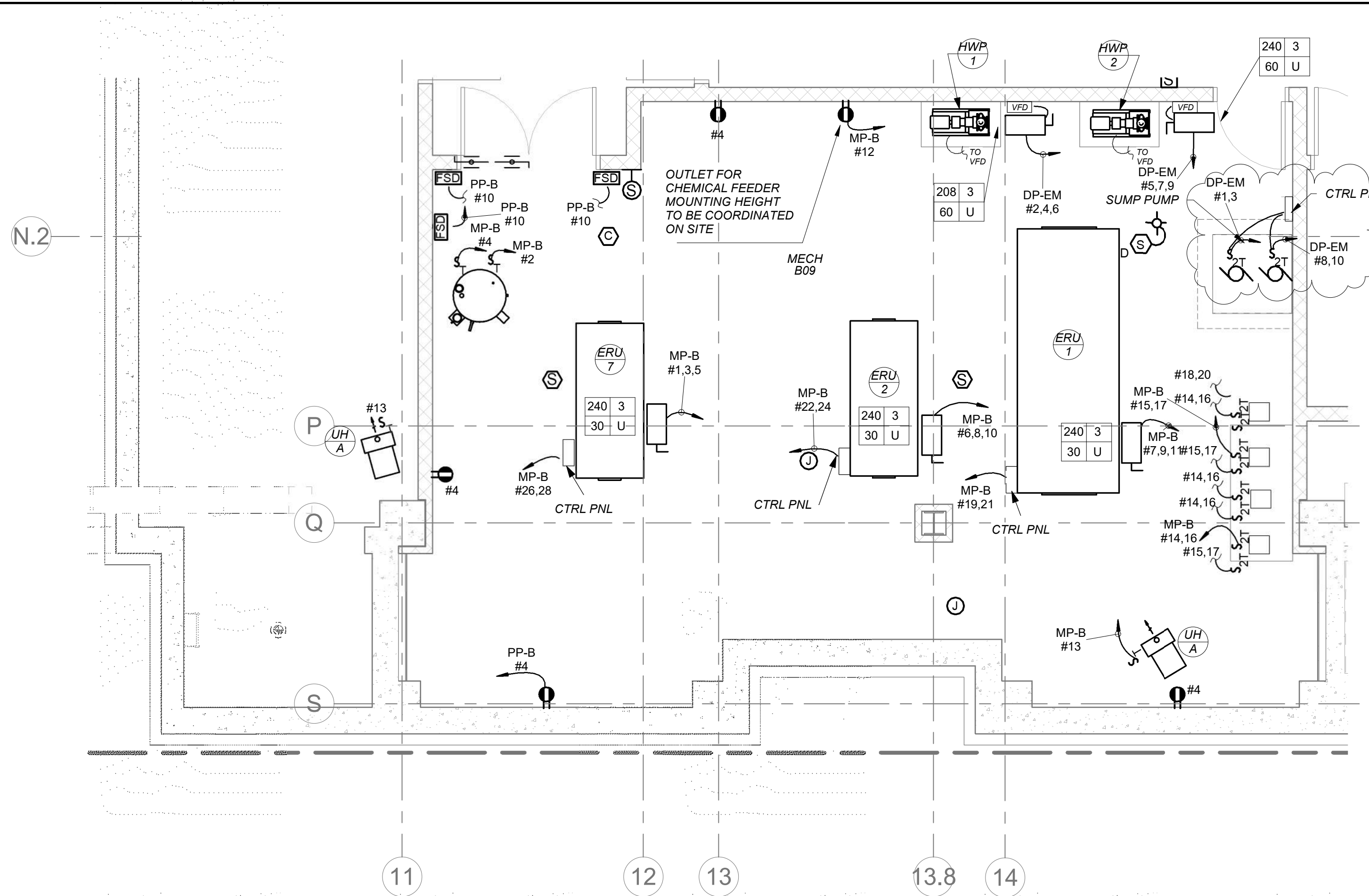
**1 BASEMENT POWER AND FA PLAN**  
E300



**4 DATA ROOM DETAIL**  
E300



**3 ELEV MACHINE ROOM**  
E300



**2 MECHANICAL ROOM PART PLAN**  
E300

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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-NYS&D
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN

**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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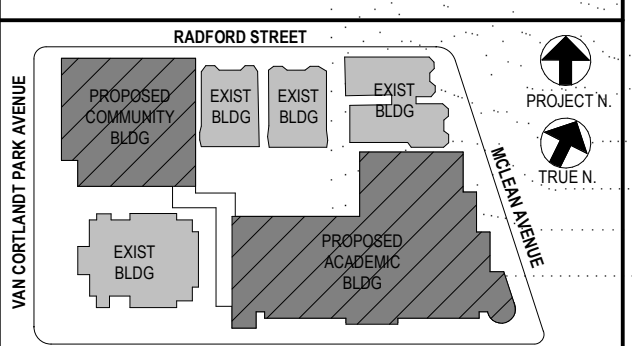
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NY SED PROJECT CONTROL NO.  
66-23-00-01-0-346-001

CONSTRUCTION DOCUMENTS



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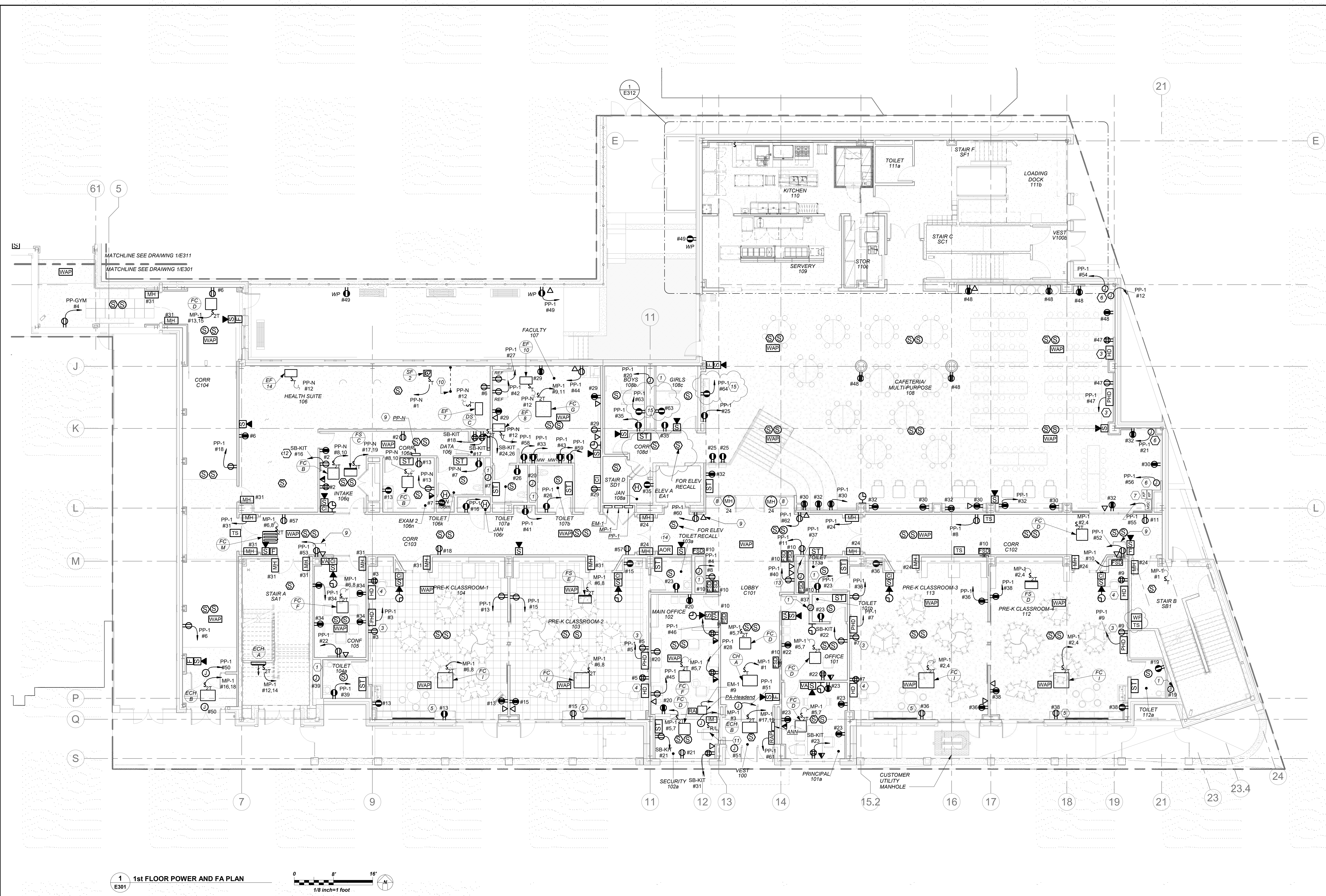
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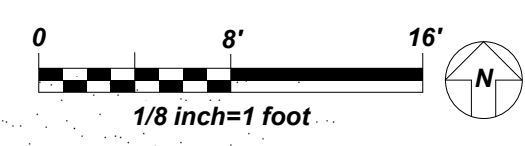
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**1st FLOOR POWER AND FA PLAN**

Job No.	2019-1026	Date	8/31/20
Scale	AS NOTED	Drawn / Checked	BGA/BGA
Sheet Number	E301		



**1 1st FLOOR POWER AND FA PLAN**  
E301



**WORK NOTES:**

- 1 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.
- 2 NOT USED.
- 3 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.
- 4 COORDINATE EXACT LOCATION AND MOUNTING HEIGHT FOR THE TEACHER'S DESK WITH OWNER/ARCHITECT BEFORE THE START OF ANY WORK.
- 5 COUNTER HEIGHT RECEPTACLE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT/OWNER BEFORE THE START OF ANY WORK.
- 6 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 ET05 FOR ADDITIONAL INFORMATION.
- 7 LOCATION FOR MOTORIZED SHADES CONTROLLER AND KEY PAD. EXACT LOCATION TO BE CONFIRMED WITH ARCHITECT BEFORE START OF ANY WORK.
- 8 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.

- 9 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.
- 10 PROVIDE 1" CONDUIT STUBBED UP IN FLOOR 4" ABOVE GRADE AND STUBBED UP 6" ABOVE CEILING. INSTALL PRIOR TO CONCRETE SLAB BEING POURED.
- 11 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.
- 12 APPROX LOCATION FOR THE REFRIGERATOR. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER BEFORE START OF ANY WORK.
- 13 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.
- 14 RESCUE ASSISTANCE SYSTEM. REFER TO RISER ON DRAWING E503.
- 15 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:**

- 1 REFER TO ELECTRICAL POWER RISER ON DRAWING E501 FOR SCOPE OF WORK. FOR FIRE ALARM RISER DIAGRAM, REFER TO DRAWING E502.
- 2 REFER TO DRAWINGS E600 SERIES FOR PANELBOARD SCHEDULES FOR BRANCH CIRCUITING INFORMATION.
- 3 REFER TO DRAWINGS ET00 SERIES FOR DETAILS.
- 4 ELECTRICAL CONTRACTOR TO COORDINATE EXACT MOUNTING HEIGHTS OF SMART BOARD POWER AND DATA WITH ARCHITECT/OWNER BEFORE START OF ANY WORK.
- 5 ALL STANDBY RECEPTACLES FED FROM STANDBY PANELS SHALL BE RED IN COLOR FOR VISUAL IDENTIFICATION.
- 6 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

**NEW COMMUNITY SCHOOL AT THE ST DENIS SITE**

YONKERS JOINT SCHOOL CONSTRUCTION BOARD  
121 McLean Avenue  
Yonkers, NY 10705

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CONSTRUCTION DOCUMENTS

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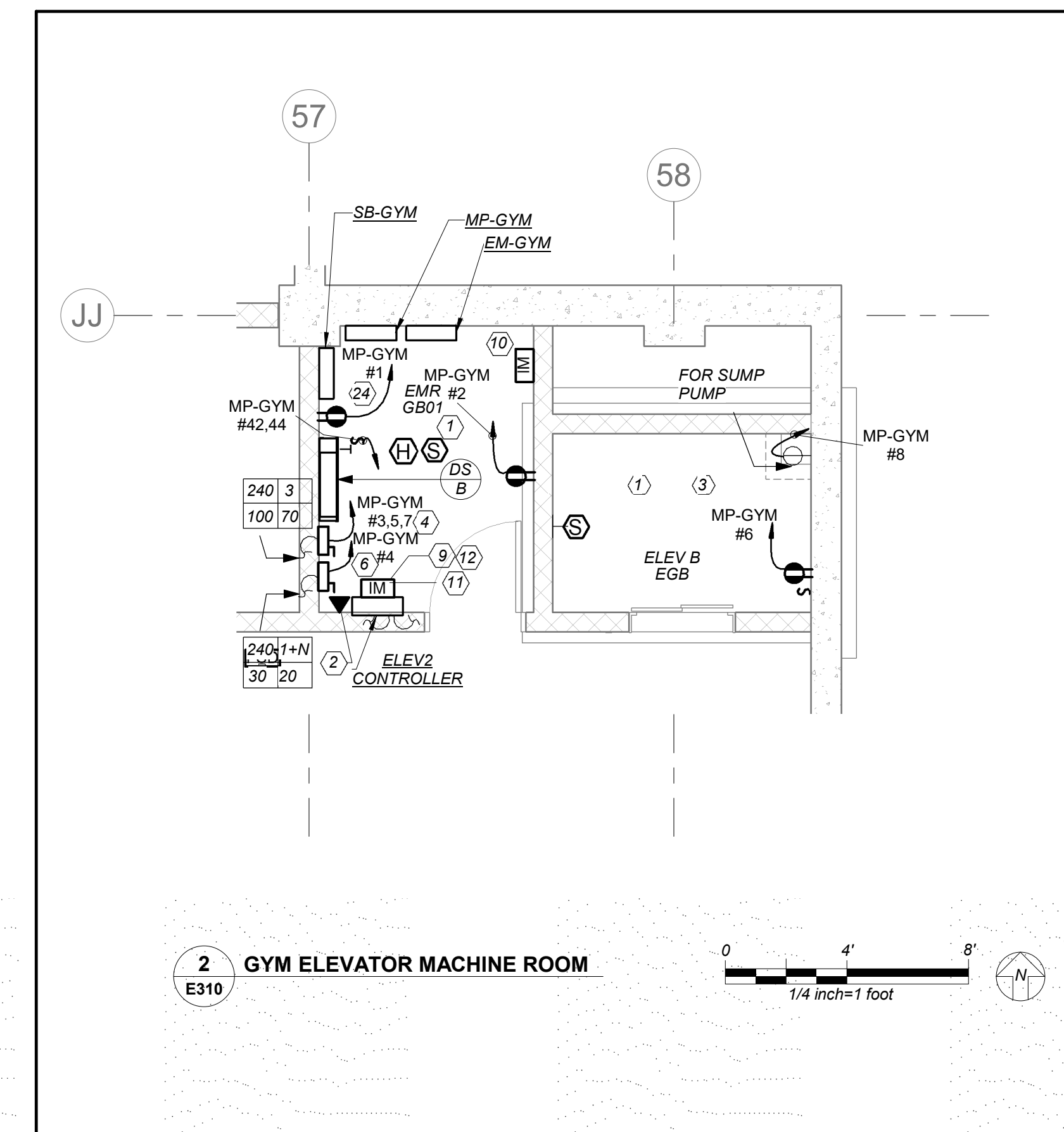
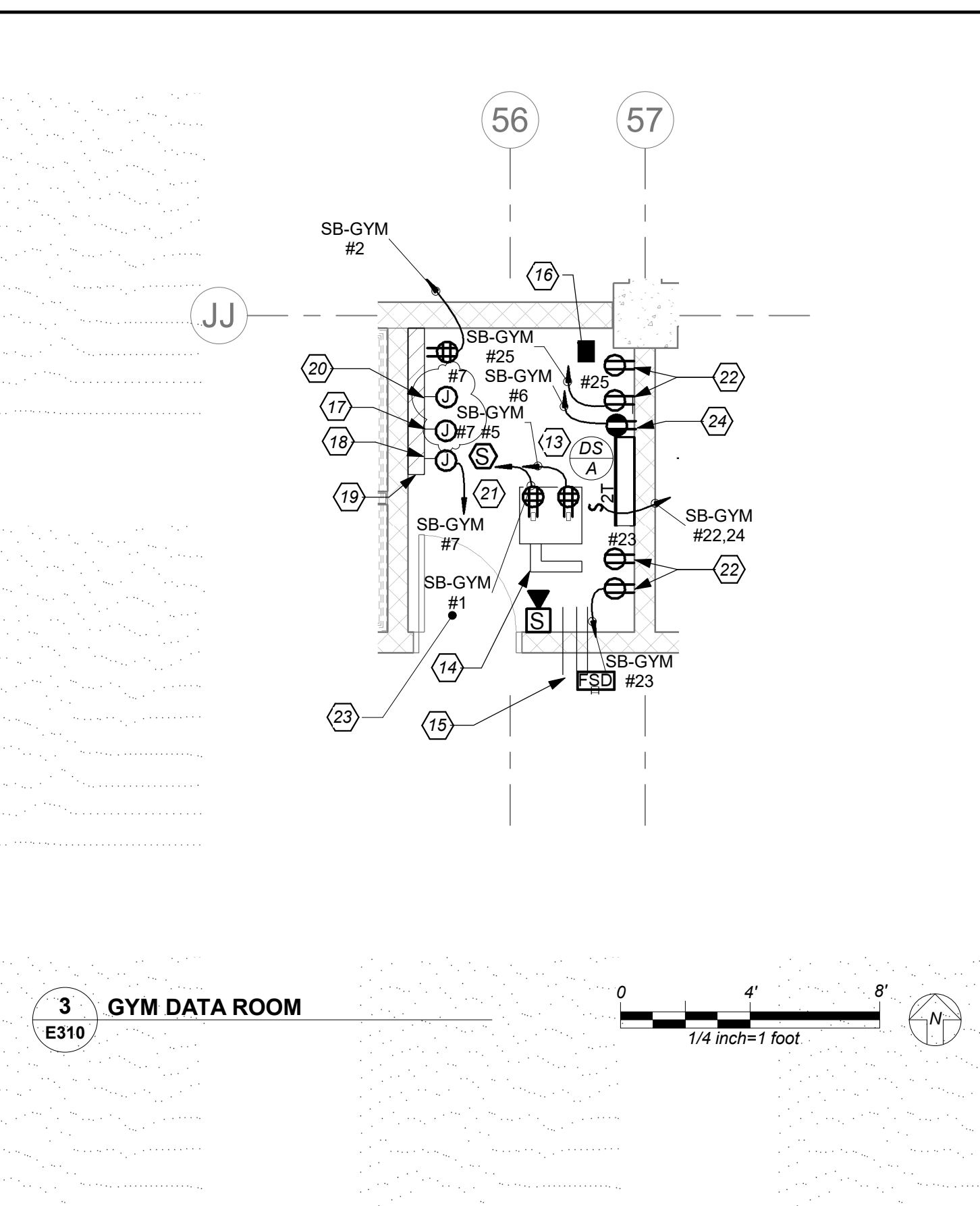
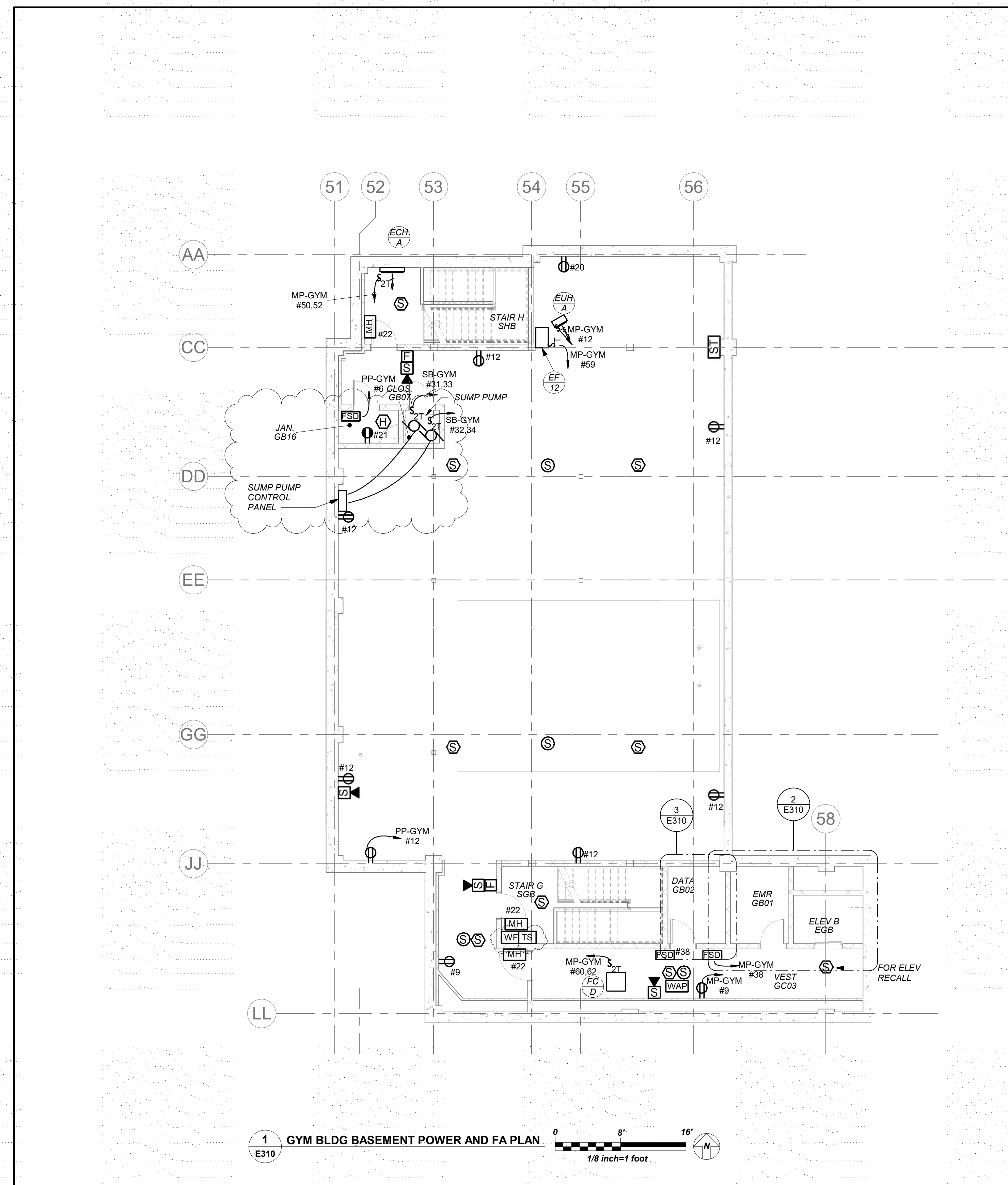
**GENERAL NOTES:**

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

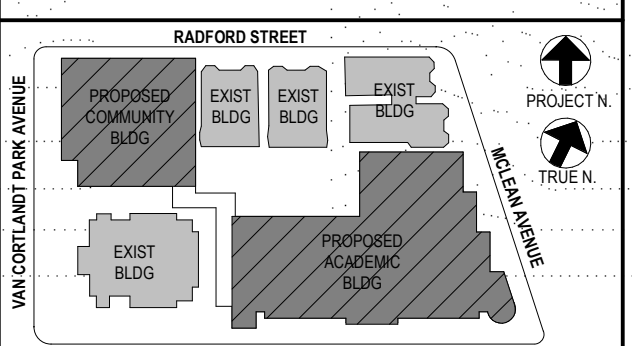
**WORK NOTES:**

- 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 INCLUDED AND NOT LIMITED TO RECEPTACLES, SWITCHES, LIGHTS, DISC SWITCHES, ETC.
- PROVIDE DIRECT OUTSIDE PHONE LINE FROM ELEVATOR TO DATA ROOM.
- 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.
- DISCONNECT SWITCH TO FEED ELEVATOR CAR. PROVIDE DRY CONTACT WITH 2#18 - 3/4" FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
- NOT USED.
- DISCONNECT SWITCH FOR ELEVATOR CAR LIGHT. PROVIDE DRY CONTACT WITH 2#18 - 3/4" FROM DISCONNECT SWITCH TO ELEVATOR CONTROLLER.
- NOT USED.
- NOT USED.
- 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.
- PROVIDE FIRE ALARM CONTROL RELAY/INTERFACE MONITORING MODULE FOR DISCONNECT TO MONITOR.
- 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.
- 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.

- NEW 19" RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
- PROVIDE LADDER 12" WIDE X 12" RUNG SPACING INCLOSET CONNECTING TO RACK. REFER TO SPECIFICATIONS SECTION FOR ADDITIONAL INFORMATION.
- PROVIDE NEW (3) 4" CONDUIT SLEEVE THROUGH WALL TO ABOVE CORRIDOR CEILING FOR NEW HORIZONTAL CABLING PATHWAY.
- 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.
- PROVIDE JUNCTION BOX FOR LOCK P/S REFER TO ITG LARSON DRAWINGS SE-300
- PROVIDE ONE (1) NEW 4'X8'X3/4" PLYWOOD PAINTED BLACK WITH FIRE RETARDANT PAINT.
- PROVIDE JUNCTION BOX FOR BURGLAR ALARM INTERFACE REFER TO ITG LARSON BEFORE START OF ANYWORK.
- PROVIDE FOR CCTV ON DATA RACK. REFER TO ITG LARSON DRAWINGS SE-300
- THESE RECEPTACLES ARE FOR IT EQUIPMENT. COORDINATE WITH YONKERS IT DEPT FOR EXACT MOUNTING LOCATIONS BEFORE START OF ANY WORK.
- 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.
- 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



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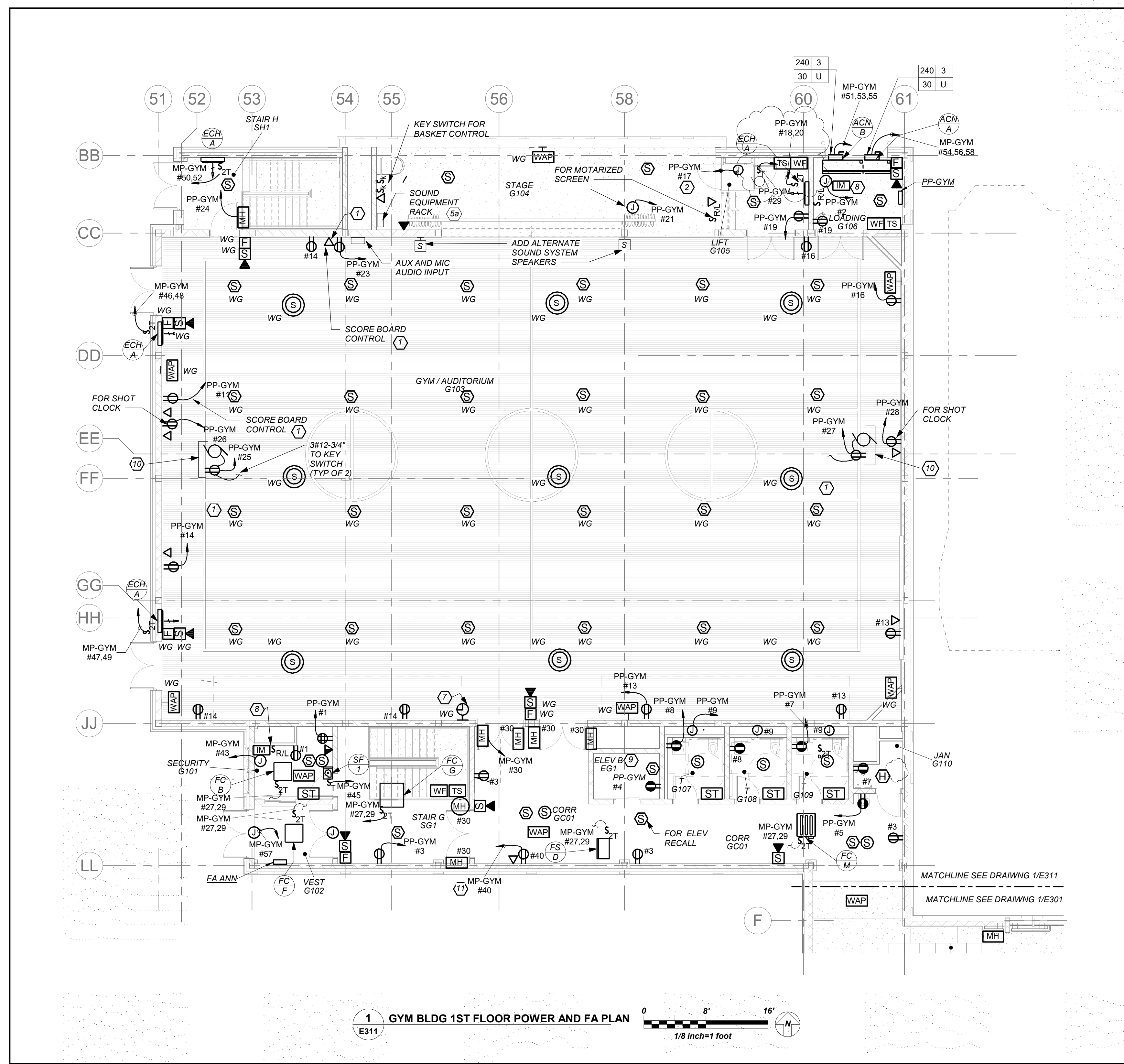
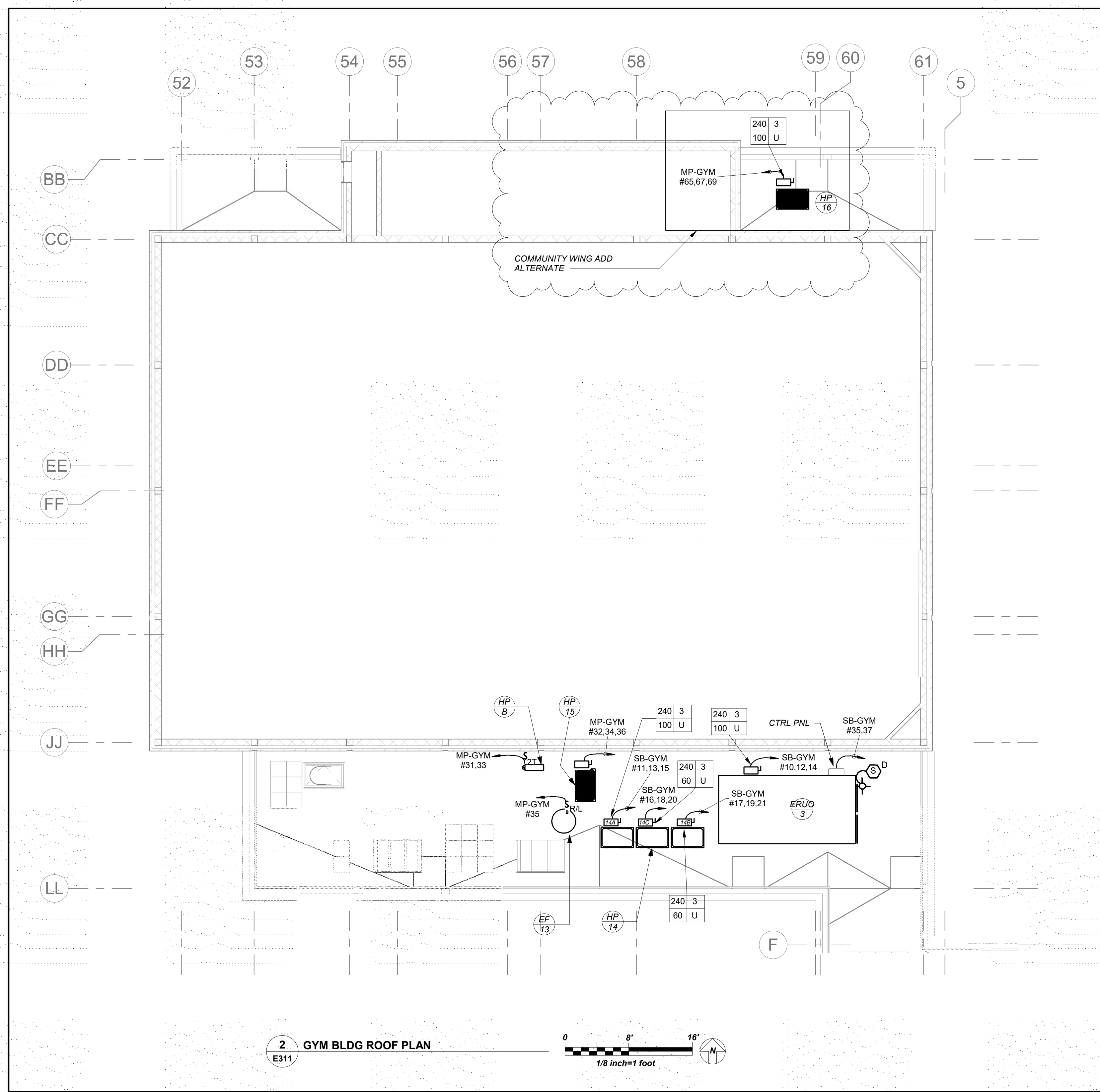
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Professional Seal

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

COMM.WING BASEMENT POWER AND FA PLAN	
Job No.	2019-1026
Date	8/31/20
Scale	AS NOTED
Drawn / Checked	BGA/BGA
Sheet Number	E310



- GENERAL NOTES:**
- REFER TO ELECTRICAL ONE LINE DIAGRAMS ON DRAWING E300 SERIES, FOR SCOPE OF WORK.
  - REFER TO PANELBOARD SCHEDULE ON DRAWING E600 SERIES FOR BRANCH CIRCUITING INFORMATION.
  - REFER TO DRAWING E700 SERIES FOR DETAILS.
- WORK NOTES:**
- COORDINATE EXACT MOUNTING HEIGHT LOCATION FOR SHOT CLOCK AND SCOREBOARD WITH ARCHITECT BEFORE START OF ANYWORK
  - PROVIDE 20AMP DEDICATE CIRCUIT FOR THE STAGE LIFT. COORDINATE ALL WORK WITH GENERAL CONTRACTOR BEFORE START OF ANY WORK
  - NOT USED
  - PROVIDE DEDICATED CIRCUIT TO THE MOTORIZED SCREEN. EC TO COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
  - SOUND SYSTEM FOR GYM/AUDITORIUM: ALL WORK ASSOCIATED WITH SOUND SYSTEM TO BE ADD ALTERNATE.
    - (5a) WALL MOUNTED EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT/ GENERAL CONTRACTOR BEFORE STAR OF ANY WORK.
    - (5b) LOCATION FOR THE WALL MOUNT LOUD SPEAKERS MOUNTED 16" AFF COORDINATE EXACT LOCATION WITH ARCHITECT/ GENERAL CONTRACTOR BEFORE STAR OF ANY WORK.
    - (5c) LOCATION OF AUXILIARY AND MIC AUDIO INPUT PLATE MOUNTED 18" AFF. COORDINATE EXACT LOCATION WITH ARCHITECT/ GENERAL CONTRACTOR BEFORE STAR OF ANY WORK.
  - WAP'S SHALL BE MOUNTED 15" AFF. HOWEVER COORDINATE EXACT MOUNTING HEIGHT WITH OWNER PRIOR TO START OF ANY WORK.
  - PROVIDE NEW 16" WALL CLOCK WITH WIRE GUARD.
  - 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.
  - PROVIDE RECEPTACLE AND SMOKE DETECTOR AT TOP OF SHAFT. COORDINATE EXACT MOUNTING LOCATION WITH ELEVATOR VENDOR BEFORE START OF ANY WORK.
  - COORDINATE EXACT MOUNTING LOCATION OF OUTLET AND KEY SWITCH FOR WINCH WITH EQUIPMENT VENDOR AND GC 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.

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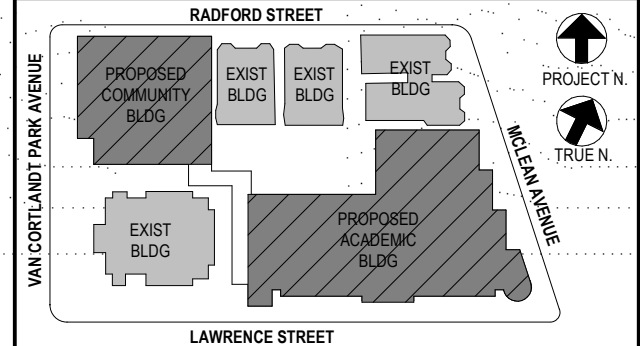
**NEW COMMUNITY SCHOOL AT THE ST DENIS SITE**  
 YONKERS JOINT SCHOOL CONSTRUCTION BOARD  
 121 McLean Avenue  
 Yonkers, NY 10705

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**KG+D . ARCHITECTS PC**  
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NY SED PROJECT CONTROL NO.  
 66-23-00-01-0-346-001

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-NYS&D
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN

COMM. WING 1ST FLOOR POWER AND FA PLAN

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

Sheet Number

**E311**

**NEW COMMUNITY SCHOOL AT THE ST DENIS SITE**

YONKERS JOINT SCHOOL CONSTRUCTION BOARD  
121 McLean Avenue  
Yonkers, NY 10705



**KG+D . ARCHITECTS PC**  
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**CONSTRUCTION DOCUMENTS**

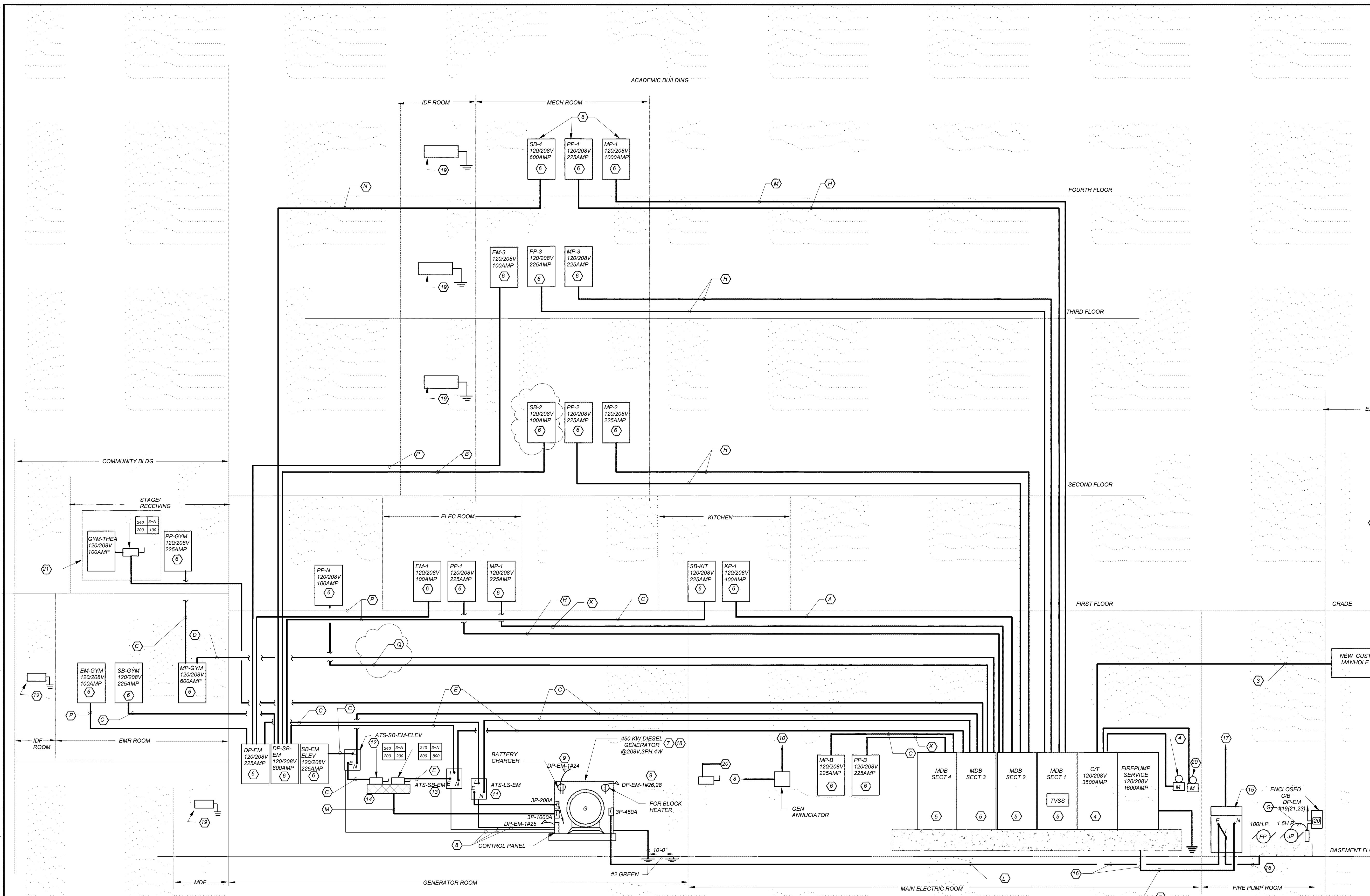


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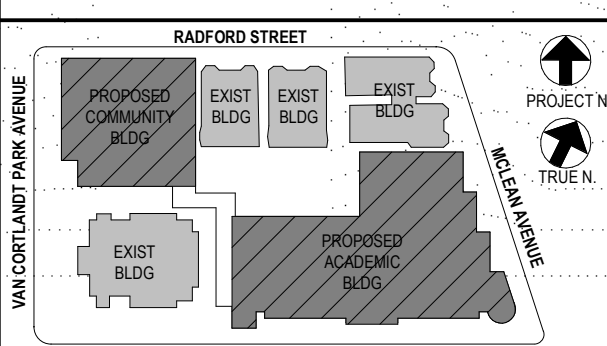
**FEEDER SCHEDULE:**

\*\*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) #4250KCMIL+1#4G IN 2.5" C - UTILIZE XHHW-2 AL FEEDER
- (D) 2 SETS OF #4500KCMIL + 1#20G IN 3.5" C - UTILIZE XHHW-2 AL FEEDER
- (E) 3 SETS OF #4400KCMIL + 1#10G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (F) #500 KCMIL+1#3 G RHW IN 4" RGS - UTILIZE CU FEEDER
- (G) 3#10+1#10 IN 3/4" RGS - UTILIZE CU WIRING
- (H) #4300KCMIL + 1#4G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (I) #840 + 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 #4400KCMIL + 1#2G IN 2-1/2" C - UTILIZE CU WIRING
- (L) 4 SETS #250KCMIL+1#40G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (M) 2 SETS #4350KCMIL+1#10G IN 3" C - UTILIZE XHHW-2 AL FEEDER
- (N) #84 + 1#6G IN 1 1/4" C - UTILIZE XHHW-2 AL FEEDER
- (O) #81 + 1#6G IN 1 1/2" C - UTILIZE XHHW-2 AL FEEDER



PANEL DESIGNATION:		MOUNTING:		SURFACE	
SUPPLY CHARACTERISTIC:		120/208 VOLTS, 3 PHASE, 4 WIRES			
MAIN BUS RATING:		3500 AMPS		NEUTRAL: FULL SIZE SCR: 100,000	
		USAGE: MAIN SERVICE DISTRIBUTION			
CKT NO.	FUSED SWITCH	EQUIPMENT	WIRE	COND.	LOAD
1	225	3-N	150	PP-B	SEE RISER
2	225	3-N	200	MP-B	SEE RISER
3	400	3-N	400	KP-1	SEE RISER
4	225	3-N	150	MP-1	SEE RISER
5	225	3-N	125	PP-1	SEE RISER
6	600	3-N	400	MP-GYM	SEE RISER
7	225	3-N	225	MP-2	SEE RISER
8	225	3-N	225	PP-2	SEE RISER
9	225	3-N	225	MP-3	SEE RISER
10	225	3-N	225	PP-3	SEE RISER
11	1000	3-N	1000	MP-4	SEE RISER
12	225	3-N	225	PP-4	SEE RISER
13	100	3-N	100	PP-N	SEE RISER
14	225	3-N	200	ATS-SB-EM-ELEV	SEE RISER
15	800	3-N	800	ATS-SB-EM	SEE RISER
16	200	3-N	200	ATS-S-EM	SEE RISER
17	400	3-N	100	GYM THEATRICAL	#300KCMIL AL +1#10 AL 2-1/2" SEE PNL
18	400	3-N	250	PHOTO VOLTAC	SEE RISER
19	200	3-N	200	SPARE	
20	200	3-N		SPACE	
21	200	3-N		SPACE	
22	200	3-N		SPACE	
23	400	3-N		SPACE	
24	400	3-N		SPACE	



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CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN. BEFORE PROCEEDING WITH FABRICATION, THE WRITTEN PERMISSION OF BGA.

Professional Seal

No.	Date	Issue
5	12/10/2021	ADDENDUM 4
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3	07/14/2021	CONSTRUCTION DOCS-NYS&ED
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1	08/31/2020	SCHEMATIC DESIGN

Sheet Title  
**ELECTRICAL RISERS**

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

Sheet Number  
**E501**

**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 RIGID 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 DRAGWIRE 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 IS NOT LIMITED TO ELECTRICAL, WATER, SEWER, STORM, ETC.
- 2 ELECTRICAL CONTRACTOR TO PROVIDE PROPERTY LINE MANHOLE DBB 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 VRO750S FROM LAKE SHORE ELECTRIC COOPERATION (avro750s@lake-shore-electric.com) FOR CUSTOM SWITCHBOARD. PROVIDE 2"X1/4" GROUND COPPER BUS THE FULL LENGTH OF THE TOTAL BOARD SECTIONS. PROVIDE ONE 4-0 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-100.
- 7 PROVIDE NEW 400 KW INTERIOR DIESEL GENERATOR AT 208V, 3 PHASE, 4 WIRE. SIMILAR TO CUMMINS MODEL DFEJ. 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 CONTROLS, 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. #812 FROM CONTROL BOARD TO GEN SET START/STOP AND #29 PAIR WILL BE SPARE) AND 2 PAIR OF #14WG 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 #26(2) 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-SB-EM) RATED 120/208V, 3PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 225 AMPS, CUMMINS 07EC 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"
- 12 PROVIDE ELEVATOR AUTOMATIC TRANSFER SWITCH (ATS-SB-EM-ELEV) RATED 120/208V, 3PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 225 AMPS, CUMMINS 07EC 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 07EC 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 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-SB-EM) ATS SHALL BE ON AND OPERATIONAL PER CODE. IN THE NON-FIRE EVENT, SUCH AS POWER OUTAGE, STAND BY 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 DROP.
- 19 REFER TO GROUNDING DETAIL SHOWN ON DRAWING E702 (DETAIL 1).

**SPECIAL NOTE: ALL PANELBOARDS, DISTRIBUTION PANEL AND BOARD INCLUDING AT'SS 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** 1 E502

PROVIDE FRAME AND TERMINAL SIZE THAT CAN SUPPORT OVERSIZED FEEDERS AS INDICATED ON RISER DIAGRAM DUE TO VOLTAGE DROP.  
\*REFER TO PHOTOVOLTAIC DRAWING FOR ADDITIONAL INFORMATION

Lighting Fixture Schedule Cont. Table with columns: TYPE, MOUNTING, LAMPS, DESCRIPTION, MANUFACTURER & CAT.#

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NEW COMMUNITY SCHOOL AT THE ST DENIS SITE. YONKERS JOINT SCHOOL CONSTRUCTION BOARD. 121 McLean Avenue, Yonkers, NY 10705. Includes logos for KG+D, BGA, and Barile Gallagher & Associates.

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

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.

Professional Seal area containing job number (2019-1026), date (8/31/20), scale (AS NOTED), and sheet number (E601).