ADDENDUM

Public Building Commission of Chicago | Richard J. Daley Center | 50 West Washington Street, Room 200 | Chicago, Illinois 60602 | (312) 744-3090 | pbcchicago.com

ADDENDUM NO.: **05**

PROJECT NAME: **Robert Nathaniel Dett Elementary School Annex and Renovations**

PROJECT NO.: **05445**

CONTRACT NO.: **C1604**

DATE OF ISSUE: **June 9, 2023**

NOTICE OF CHANGES, MODIFICATIONS, OR CLARIFICATIONS TO CONTRACT DOCUMENTS

The following changes, modifications, or clarifications are hereby incorporated and made an integral part of the Contract Documents. Unless clearly expressed otherwise by this Addendum, all terms and conditions defined in the original Contract Documents shall continue in full force and effect and shall have the same meaning in this Addendum. Issued Addenda represent responses/clarifications to various inquiries. Contractors shall be responsible for including all associated labor/material costs in its bid. Drawings/specifications corresponding to inquiry responses will be issued with the Issue for Construction Documents, upon issuance of building permit.

ITEM NO. 1: **CHANGE TO KEY DATES**

None.

ITEM NO. 2: **REVISIONS TO BOOK 1 – PBC INSTRUCTIONS TO BIDDERS**

None.

ITEM NO. 3: **REVISIONS TO BOOK 2 – PBC STANDARD TERMS AND CONDITIONS**

None.

ITEM NO. 4: **REVISIONS TO BOOK 3 – TECHNICAL SPECIFICATIONS**

Change 1 **Book 3 - REVISE** Section 00 00 01 Table of Contents - highlighted updated sections

Change 2 **Book 3 - REVISE** Section 05 31 00 Steel Decking - revised 2.02B to indicate a Basis-of- Design manufacturer and update product information and characteristics.

Change 3 **Book 3 - REVISE** Section 07 52 16.12 Hot Applied Modified Bituminous Membrane Roofing - revised 2.09E to clarify Insulation Cover Board requirements for HVAC equipment acoustical isolation.

ITEM NO. 5: **REVISIONS TO DRAWINGS**

Change 1 **REVISE** Drawing no. COVER, updated title on sheet

Change 2 **REVISE** Drawing no. A-210, updated scope for removing and providing millwork

Change 3 **REVISE** Drawing no. A-221, updated KN. A.18 to refer to detail 1/A-703 instead of 6/A-703. *Contractor to note that this KN revision is applicable for all instances of KN A.18 in the entire drawing set.*

Change 4 **REVISE** Drawing no. A-300, revised KN AX.42 to AX.41 at solid surface locations

Change 5 **REVISE** Drawing no. A-301, revised KN AX.42 to AX.41 at solid surface locations

Change 6 **REVISE** Drawing no. A-301B, revised KN AX.42 to AX.41 at solid surface locations, clarified blocking needed for roof access ladder.

Change 7 **REVISE** Drawing no. A-303A, revised KN AX.42 to AX.41 at solid surface locations

Change 8 **REVISE** Drawing no. A-502, updated general notes regarding acoustical decking, updated finishes on finish schedule, removed general note

Change 9 **REVISE** Drawing no. A-703, updated details

Change 10 **REVISE** Drawing no. A-704, updated details

Change 11 **REVISE** Drawing no. E-000, change to abbreviation list

Change 12 **REVISE** Drawing no. E-010, clarified camera type and model

Change 13 **REVISE** Drawing no. E-201, clarified camera type and model

Change 14 **REVISE** Drawing no. E-202, clarified camera type and model

Change 15 **REVISE** Drawing no. E-203, clarified camera type and model
Change 16 **REVISE** Drawing no. E-204, clarified camera type and model
Change 17 **REVISE** Drawing no. E-303, added daylight harvester and vacancy sensor
Change 18 **REVISE** Drawing no. P-201, revised annotations for toilet rooms 140, 143, 160
Change 19 **REVISE** Drawing no. P-202, revised annotations for toilet rooms 140, 143, 160

ITEM NO. 6: REQUESTS FOR INFORMATION

RFI-1.
Question: **Are the Targeted Renovations identified on the Phasing Plan G-007 as Milestone #1 to include all work shown on A-101A? If so, some commodity lead times will prevent the work from being completed prior to school start in fall of 2023.**
Response: Toilet rooms 153 & 154 are located on Drawing A-101A in the annex link only.

RFI-2.
Question: **Per the addendum, cameras have been added on the electrical drawings, E-202, E-203 & E-204 but no clarification of what type of cameras are in these new locations. Please clarify the type of new cameras..**
Response: Drawings E-010, E-202, E-203, E-204 have been revised and are included in this addendum.

RFI-3.
Question: **Sheet A-210 detail 1. In Hallway 101 there are keynotes A.18 & A.19. There are no elevations, but from these keynotes and the detail associated with KN A.18 (6/A-703), this is a new base cabinet with a solid surface top, which contradicts KN A.19 which states to replace with a plastic laminate countertop. Please advise. Note: Same for Room 105, 107**
Response: Drawings A-210 and A-221 have been revised and are included in this addendum.

RFI-4.
Question: **Sheet A-210 detail 1. In Hallway 101 there is a KN A.34 which states provide a stainless-steel drop sink in millwork. There is no elevation of this millwork. Is this a base cabinet? Does it receive a plastic laminate top or solid surface top? Please advise.**
Response: Key Note A.34 has been superseded by a text note. Drawing A-210 has been revised and is included in this addendum.

RFI-5.
Question: **Addendum 3 details on sheets A430, A433 and A445 now call for 3 layers of 1/2" glass mat gypsum coverboard. Specification 075216.12, 1.01, A, e. and 2.09, E, 4., a-d has Blue Ridge Structodeck HD Fiberboard listed as an acceptable product.**
Response: Specification 07 56 12 has been revised and is included in this addendum.

RFI-6.
Question: **Please clarify if we are to use one or the other or both and what roof sections would get the 3 layers.**
Response: Refer to Drawings A-421, A-422, A-423, A-424 which were revised and issued in Addendum No. 3.

(REMAINDER OF PAGE INTENTIONALLY LEFT BLANK)

RFI-7.
Question: **In addendum #3 for PBC Robert Nathaniel Dett 3 pages contradict each other:**

In the top left corner of page P-100A, there is an unlisted bathroom that says; EXISTING, NO WORK (pointing at 4 locations where fixtures would be if they were detailed) AND on page P-201 it follows suit but calls out the fixtures & rooms (staff toilet 140 & 143)
THEN
On page P-202, in detail 2 (level 1 CLRM Wing – plumb plan B) it says "connect new plumb fixture to ex san" calling out for 2 new WC-1 & L-1s

A schedule of all plumbing fixtures should be provided for most accurate plumbing quote. The addendums have changed scope so many times, someone is bound to miss something and cause problems come contract time.
Response: Drawings P-201 and P-202 have been revised and are included in this addendum.

RFI-8.
Question: **Sheet A-301B of the drawings, elevations 1 & 3, show a keynote AX.42 pointing to joints between the solid surface wall panels. The keynote AX.42 description is "Provide acoustically-sealed full height operable partition closure panel, per manufacturer". We are not sure how this keynote is applicable to the joints between certain solid surface wall panels. This keynote occurs throughout the elevation drawings. Please clarify what this note means and what manufacturer is being referenced for these joints.**
Response: Drawings A-300, A-301, A-301B, A-303A have been revised and are included in this addendum.

RFI-9.
Question: **Per addendum #3 Sheet A-502, Toilet Rooms 108B, 109A, 110B, 111A call for T-1 floor finish. However, Sheet A-503 references T-1 finish as "Existing Wall Tile to Remain". Please confirm floor finish for these toilet rooms as well as tile patterns for T-2.**
Response: Per Addendum No. 03, Kindergarten Toilet Rooms 108B, 109A, 110B, 111A have existing wall tile to remain.

RFI-10.
Question: **Per addendum #3 Sheet A-502, Toilet Rooms 140, 143, and 160 call for T-2 6" ceramic cove base finish and T-1 wall finishes existing to remain. Is the cove base to be installed over the existing tile and will there be any patch work associated with the existing wall tile? Please provide more detail on installation of cove base and abutment to floor tile.**
Response: Drawing A-502 has been revised and is included in this addendum.

RFI-11.
Question: **Can a section detail be provided for the sprung dance floor assembly?**
Response: Refer to Addendum No. 03, Detail 13 on Drawing A-702.

This Addendum includes the following attached Specifications and/or Documents:

1. Specification Section 00 00 01 - TABLE OF CONTENTS
2. Specification Section 05 31 00 - STEEL DECKING
3. Specification Section 07 52 16.12 - HOT APPLIED MODIFIED BITUMINOUS MEMBRANE ROOFING

This Addendum includes the following attached Drawings:

1. COVER, COVER SHEET, dated 06/05/2023
2. A-210, CLRM WING ENLARGED OFFICE SUITE 103/101 PLAN & RCP, dated 06/05/2023
3. A-221, CLRM WING ENLARGED MULTIPURPOSE ROOM 105 & 107 PLAN & RCP, dated 06/05/2023
4. A-300, ANNEX CORRIDOR INTERIOR ELEVATIONS, dated 06/05/2023
5. A-301, ANNEX COMMUNITY ROOM AND CORRIDOR INTERIOR ELEVATIONS, dated 06/05/2023
6. A-301B, ANNEX HALLWAY LINK AND SERVICE CORRIDOR INTERIOR ELEVATIONS, dated 06/05/2023

7. A-303A, ANNEX INTERIOR BATHROOM ELEVATIONS, dated 06/05/2023
8. A-502, FINISH NOTES AND SCHEDULE, dated 06/05/2023
9. A-703, MILLWORK DETAILS, dated 06/05/2023
10. A-704, MILLWORK DETAILS, dated 06/05/2023
11. E-000, ELECTRICAL LEGENDS, NOTES, AND ABBREVIATIONS
12. E-010, ELECTRICAL SITE PLAN, dated 06/05/2023
13. E-201, FIRST FLOOR POWER PLAN - SERVICE WING, dated 06/05/2023
14. E-202, FIRST FLOOR POWER PLAN - CLRM WING, dated 06/05/2023
15. E-203, SECOND FLOOR POWER PLAN - CLRM WING, dated 06/05/2023
16. E-204, THIRD FLOOR POWER PLAN - CLRM WING, dated 06/05/2023
17. E-303, SECOND FLOOR LIGHTING PLAN - CLRM WING, dated 06/05/2023
18. P-201, FIRST FLOOR PLUMBING PLAN - SERVICE WING - NEW WORK, dated 06/05/2023
19. P-202, FIRST FLOOR PLUMBING PLAN - CLRM WING - NEW WORK, dated 06/05/2023

END OF ADDENDUM NO. 05

SECTION 00 01 02

TABLE OF CONTENTS (all volumes)

VOLUME 1 – GENERAL AND ARCHITECTURAL

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

DIVISION 01 - GENERAL REQUIREMENTS

DIVISION 02 - EXISTING CONDITIONS

VOLUME 2 – MEP-FP, CIVIL, LANDSCAPING, AND SITE WORK

DIVISION 02 - EXISTING CONDITIONS

END OF SECTION

SECTION 05 31 00

STEEL DECKING

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Acoustical roof deck.

B. Roof deck.

C. Stud shear connectors.

D. Acoustical insulation in roof deck flutes.

1.02 REFERENCE STANDARDS

A. AISC (MAN) - Steel Construction Manual; 2017.

B. AISI S100-12 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2012.

C. ASTM A108 - Standard Specification for Steel Bar, Carbon and Alloy, Cold Finished; 2013.

D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2017.

E. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2015, with Errata (2016).

F. AWS D1.3/D1.3M - Structural Welding Code - Sheet Steel; 2018.

G. SDI (DM) - Publication No.30, Design Manual for Composite Decks, Form Decks, and Roof Decks; 2007.

H. SSPC-Paint 20 - Zinc-Rich Primers (Type I, "Inorganic," and Type II, "Organic"); 2002 (Ed. 2004).

I. UL (FRD) - Fire Resistance Directory; current edition.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all relevant installers.
   1. Ensure required submittals have been provided with sufficient time for review prior to scheduling the Preinstallation Meeting.
   2. Review the detailed requirements for the work of this section and to review the drawings and specifications for this work
      a. Require attendance by all affected installers including but not limited to
         1) Contractor's Superintendent
         2) Installer
         3) Manufacturer/Fabricator Representative
         4) Other affected Subcontractors
         5) Architect/Engineer of Record

6) Board's Representative

3. Record minutes and distribute copies within 5 days after meeting to participants as well as Architect/Engineer of Record, Board and those affected by decisions made.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittals procedures.

B. Shop Drawings: Indicate deck plan, support locations, projections, openings, reinforcement, pertinent details, and accessories.

C. Product Data: Provide deck profile characteristics, dimensions, structural properties, and finishes.

D. Calculations: Submit engineering calculations for the spans and loading conditions indicated for the deck proposed for use. Calculations to be stamped and signed by a Structural Engineer licensed in the state of Illinois and engaged by the fabricator.

E. Certificates: Certify that products furnished meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

A. Design deck layout, spans, fastening, and joints under direct supervision of a Structural Engineer experienced in design of this work and licensed in Illinois. Structural Engineer to be engaged by the Fabricator.

B. Welding Qualifications: Qualify procedures and personnel according to AWS D1.3/D1.3M

1.06 DELIVERY, STORAGE, AND HANDLING

A. Cut plastic wrap to encourage ventilation.

B. Separate sheets and store deck on dry wood sleepers; slope for positive drainage.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Steel: Comply with AISC (MAN) Specifications.

B. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

C. Shop and Touch-Up Primer: Fabricator recommended, complying with VOC limitations of authorities having jurisdiction.

2.02 STEEL DECK

A. All Deck Types: Select and design metal deck in accordance with SDI Design Manual and AISI S100-12 .
1. Calculate to structural limit stress design and structural properties specified.
2. Maximum Vertical Deflection of Roof Deck: 1/240 of span.
3. Install and anchor roof deck units to resist gross uplift loading of 30 pounds per square foot.
a. At overhangs, anchor to resist 45 pounds per square foot.

B. Acoustical Roof Deck: Non-composite type, steel sheet with plain vertical flute faces perforated with 1/8 inch diameter holes staggered 3/8 inch on center:
1. Basis of Design: Epic Metals - Toris A.
2. Galvanized Steel Sheet: ASTM A653/A653M, Structural Steel (SS) Grade 40 or equal, with ASTM A924, G60 or G90 galvanized coating (hot dipped).
3. Primer: Shop coat of manufacturer's standard primer paint over chemically cleaned substrate.
4. Finish: Shop coat of manufacturer's standard finish paint (after application of primer).
   a. Two colors as noted on the drawings.
5. Structural Properties:
   a. Section modulus: 0.58 in^3/ft.
6. Minimum Base Metal Thickness: 18 gage, 0.0474 inch.
7. Nominal Height: 2.5 inches.
8. Profile: Linear plank, continuous ribs six inches on center.
9. Formed Sheet Width: 24 inches.
10. Side Joints: Lapped, welded.
11. End Joints: Lapped, welded.
12. NRC rating of 0.95
13. For adjacent exterior locations, such as eaves and overhangs, provide non-perforated deck of same type, profile, and material, unless otherwise indicated.

C. Roof Deck: Non-composite type, fluted steel sheet:
1. Galvanized Steel Sheet: ASTM A653/A653M, Structural Steel (SS) Grade 33/230, with G90/Z275 galvanized coating.
2. Primer: Shop coat of manufacturer's standard primer paint over cleaned and phosphatized substrate.
3. Structural Properties:
   a. Section Modulus: 0.306 in^3/ft.
   b. Span Design: Double.
4. Minimum Base Metal Thickness: 18 gage, 0.0306 inch.
5. Nominal Height: 1-1/2 inch.
6. Profile: Fluted; SDI NR.
7. Formed Sheet Width: 36 inch.
8. Side Joints: Lock seam.
9. End Joints: Lapped, welded.
10. Fire Resistance Classification: Comply with UL (FRD) Assembly Number indicated on design drawings.

2.03 ACCESSORY MATERIALS

A. Stud Shear Connectors: Made from ASTM A108 Grade 1015 bars.

B. Welding Materials: AWS D1.1/D1.1M.

C. Fasteners: Galvanized hardened steel, self tapping.

D. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20, complying with VOC limitations of authorities having jurisdiction.

E. Flute Closures: Closed cell, vulcanized, synthetic rubber, 1 inch thick; profiled to fit tight to the deck.

F. Acoustical Insulation: Glass fiber type, minimum 1.1 lb/cu ft density; profiled to suit deck.

2.04 FABRICATED DECK ACCESSORIES

A. Sheet Metal Deck Accessories: Metal closure strips, wet concrete stops, and cover plates, 20 gage, 0.0359 inch thick sheet steel; minimum yield strength of 33,000 psi; of profile and size as indicated; finished same as deck.

B. Roof Sump Pans: Formed sheet steel, 14 gage, 0.0747 inch minimum thickness, flat bottom, sloped sides, recessed 1-1/2 inches below roof deck surface, bearing flange 3 inches wide, sealed watertight.

C. Floor Drain Pans: Formed sheet steel, 14 gage, 0.0747 inch minimum thickness, flat bottom, sloped sides, recessed 1-1/2 inches below floor deck surface, bearing flange 3 inches wide, sealed watertight.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Verify existing conditions prior to beginning work.

3.02 INSTALLATION

A. Erect metal deck in accordance with SDI Design Manual and manufacturer's instructions. Align and level.

B. On concrete and masonry surfaces provide minimum 4 inch bearing.

C. On steel supports provide minimum 1-1/2 inch bearing.

D. Fasten deck to steel support members at ends and intermediate supports at 12 inches on center maximum, parallel with the deck flute and at each transverse flute using methods specified.
1. Welding: Use fusion welds through weld washers.

E. Clinch lock seam side laps.

F. Weld deck in accordance with AWS D1.3/D1.3M.

G. At floor edges, install concrete stops upturned to top surface of slab, to contain wet concrete. Provide stops of sufficient strength to remain stationary without distortion.

H. Close openings above walls and partitions perpendicular to deck flutes with single row of foam cell closures.

I. Position roof drain pans with flange bearing on top surface of deck. Fusion weld at each deck flute.

J. Position floor drain pans with flange bearing on top surface of deck. Fusion weld at each deck flute.

K. Weld stud shear connectors through steel deck to structural members below.

L. Immediately after welding deck and other metal components in position, coat welds, burned areas, and damaged surface coating, with touch-up primer.

M. No permanent loading, other than the weight of supported concrete slabs shall be imposed on floor decking, until the concrete in such slabs has achieved 75 percent of its design strength.

3.03 FIELD QUALITY CONTROL

A. Quality Control Testing During Construction:
1. The Board's testing service will inspect deck, deck fastening, and sidelap fastening.
2. Correct deficiencies in the work that inspections and laboratory test reports have indicated to not be in compliance with requirements. The Board may have additional tests performed, at Contractor's expense, as may be necessary to reconfirm any non-compliance of the original Work, and as may be necessary to show compliance of corrected Work.

B. Contractor’s Responsibilities
1. Notify Agency sufficiently in advance of operations to allow for his assignment of personnel and scheduling of tests.
2. Coordinate with Agencies’ personnel, provide access to Work.
3. Furnish casual labor and facilities to provide access to Work to be tested to facilitate inspections and tests.

3.04 CLEANING

A. Shop Finish Touchup and Repair: Clean and touch-up field welds, bolted connections and abraded areas.

B. Restore finishes damaged during installation and construction period.

3.05 PROTECTION

A. Protect installed products from damage during construction.

END OF SECTION 05 31 00

SECTION 07 52 16.12

HOT APPLIED MODIFIED BITUMINOUS MEMBRANE ROOFING

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Configuration of a typical hot applied SBS modified bituminous membrane roofing system is to be assembled as follows:
   1. Roofing Field Area:
      a. Field-applied reflective coating (as specified), over;
      b. One layer of granulated modified bitumen cap sheet in hot asphalt OR in cold adhesive, in lieu of hot asphalt, (at roofing manufacturer's option and per roofing manufacturer's recommendation - FOR CAP SHEET ONLY), over;
      c. One layer of reinforced base ply sheet in hot asphalt adhesive, over;
      d. One layer of Type VI glass-fiber ply sheet in hot asphalt, over;
      e. Gypsum fiber or coated wood fiber cover board in hot asphalt adhesive, over;
      f. Flat and/or tapered polyisocyanurate insulation (as specified), in hot asphalt adhesive, over;
      g. The underlying deck assemblies with associated preparations (including vapor barriers/temporary roofs), as specified in Sections 3.06 thru 3.08 of this Specification.
      h. Base Flashing Areas:
         1) Field-applied reflective coating (as specified), over;
         2) One layer of granulated modified bitumen cap sheet in hot asphalt OR in cold adhesive, in lieu of hot asphalt, (at roofing manufacturer's option and per roofing manufacturer's recommendation - FOR FLASHING CAP SHEET ONLY), over;
         3) One layer of Type VI glass-fiber ply sheet (backer sheet) in hot asphalt.

1.02 REFERENCE STANDARDS

A. ANSI/SPRI/FM 4435/ES-1 - Test Standard for Edge Systems Used with Low Slope Roofing Systems; 20
B. ASCE 7-10 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; 2010.
C. ASTM C1278/C1278M – Standard Specification for Fiber-Reinforced Gypsum Panel; 2017.
D. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2017.
E. ASTM C208 - Standard Specification for Cellulosic Fiber Insulating Board; 2012.
F. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2017.
G. ASTM D2178/D2178M - Standard Specification for Asphalt Glass Felt Used in Roofing and Waterproofing; 2015a.
H. ASTM D41/D41M - Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing; 2011 (Reapproved 2016).
I. ASTM D312/D312M - Standard Specification for Asphalt Used in Roofing; 2016a.
J. ASTM D4263 - Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method; 1983 (Reapproved 2012).
K. ASTM D4586/D4586M - Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007, with Editorial Revision (2012).
L. ASTM D4601/D4601M - Standard Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing; 2004, with Editorial Revision (2012).

M. ASTM D4897/D4897M - Standard Specification for Asphalt-Coated Glass-Fiber Venting Base Sheet Used in Roofing; 2016.
N. ASTM D6162/D6162M - Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements; 2016.
O. ASTM D6163/D6163M - Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements; 2016.
P. ASTM E108 - Standard Test Methods for Fire Tests of Roof Coverings; 2017.
Q. ASTM E1980 - Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces; 2011.
R. FM 4470 - Single-Ply, Polymer-Modified Bitumen Sheet, Built-up Roof (BUR), and Liquid Applied Roof Assemblies for Use in Class 1 and Noncombustible Roof Deck Construction; 2010.
S. FM 4474 - Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures; 2004.
T. FM DS 1-28 - Wind Design; 2016.
U. ITS (DIR) - Directory of Listed Products; current edition.
V. UL (DIR) - Online Certifications Directory; current listings at database.ul.com.
W. UL (FRD) - Fire Resistance Directory; current edition.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene one week before starting work of this section.
    1. Ensure required submittals have been provided with sufficient time for review prior to scheduling the Preinstallation Meeting.
    2. Review the detailed requirements for the work of this section and to review the drawings and specifications for this work
    3. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
    4. Review preparation and installation procedures and coordinating and scheduling required with related work.
    5. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
    6. Review structural loading limitations of roof deck during and after roofing.
    7. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.
    8. Review governing regulations and requirements for insurance and certificates if applicable.
    9. Review temporary protection requirements for roofing system during and after installation.
    10. Review roof observation and repair procedures after roofing installation.
    11. Require attendance by all affected installers including but not limited to
        a. Contractor's Superintendent
        b. Installer (roofer)
        c. Installer of substrate construction (roof decks)
        d. Manufacturer/Fabricator Representative
        e. Other affected Subcontractors
        f. Architect/Engineer of Record
        g. Board’s Representative
        h. Board's Testing and Inspecting Agency
        i. Other entities directly concerned with performance of roofing system including (as applicable) Board's insurers

j. Record minutes and distribute copies within 5 days after meeting to participants as well as Architect/Engineer of Record, Board and those affected by decisions made.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. See Section 01 33 29 - LEED Sustainable Design Reporting, when required.

C. Product Data: Provide manufacturer's catalog data for membrane and bitumen materials, base flashing materials, insulation, and vapor retarder.

D. Shop Drawings: Indicate configuration and dimension of components, adjacent construction, required clearances and tolerances, and other affected work. Submit fully dimensioned layout drawings for:

1. Joints, base flashings built-up termination condition and interface with other materials.
   a. Indicate details that meet wind related requirements of NRCA and FMG as required by this Section.
2. Tapered insulation layout, crickets, saddles, and tapered edge strips, including slopes and perimeter thicknesses.
3. Insulation fastening patterns for corner, perimeter, and field-of-roof locations, where mechanical fastening of components is required.
4. For pre-engineered systems provide drawings and calculations signed and sealed by an Illinois licensed structural engineer (including wind pressure testing results).

E. Samples: Submit two samples 8 inches by 10 inches in size illustrating:

1. Vented base sheet.
2. Fastened base sheet.
3. Reinforced field base ply sheet (Vapor Barrier/Temporary Roof).
4. SBS-modified granulated cap sheet.
5. Walkway pad.
6. Roof insulation and cover board.
7. Substrate board.
8. Six base sheet and substrate board fasteners of each type, length and finish.
9. Sample of manufacturer’s standard pre-engineered, factory fabricated, prefinished aluminum ANSI/SPRI/FM 4435/ES-1 Coping / Roof Edge Flashing Profile and related mounting accessories.

F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements, including the following:

1. Submit a letter on the letter head of the producer of the modified bitumen roofing system proposed for use, signed by a technical representative of the producer, stating the following:
   a. The system meets the specification and warranty requirements.
   b. The system will meet the initial and aged solar reflectance requirements.
   c. Any topcoat proposed for use will not void the FM and UL requirements specified.
   d. Any topcoat proposed for use will not delaminate or deteriorate to the point of requiring replacement for a period of five (5) years after application.

G. Installer Certificates: Submit certificate signed by roofing system manufacturer certifying that Installer is approved, authorized, or licensed by manufacturer to install roofing system.

H. Maintenance Data: Submit complete maintenance data for roofing system to include in maintenance manuals.

I. Manufacturer's Field (Inspection) Reports: Indicate procedures followed, ambient temperatures, humidity, wind velocity during application, and supplementary instructions given. Provide weekly inspection reports.

J. Warranty: Submit manufacturer warranty and ensure forms have been completed in Board's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

A. Manufacturer's Roofing Inspector Qualifications: A full time Technical Representative of manufacturer (non-sales) experienced in the installation and maintenance of the specified roofing system, qualified to perform roofing observation and inspection as required to determine Installer's compliance with the requirements of this Project, and approved by the manufacturer to issue warranty certification.
   1. The presence and activity of the manufacturer's Technical Representative, Independent Representative and/or Board's Representative shall in no way relieve the contractor of contract responsibilities or duties.
   2. It is the sole responsibility of the installing Contractor to contact the roofing manufacturer's inspector by phone on the morning of each day that roofing materials are being installed.
   3. The Manufacturer's Roofing Inspector shall be one of the following:
      a. An authorized full-time technical employee of the manufacturer with 10 years of experience in commercial roofing.
      b. If manufacturer does not employ full time technical personnel, inspection personnel shall be certified as a Registered Roof Observer by the Roof Consultants Institute, and shall be experienced in the installation and maintenance of the specified roofing system and qualified to determine Installer's compliance with the requirements of this Project.

B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience, eligible to receive manufacturer's warranty, and approved by manufacturer.

C. General Performance: Installed hybrid hot applied SBS modified bitumen membrane roofing and hot applied SBS modified bitumen base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Hybrid hot applied SBS modified bitumen membrane roofing and hot applied SBS modified bitumen base flashings shall remain watertight.

D. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience.

E. No torch-down or self-adhering roofing products are acceptable on this project.

F. Solar Reflectance Index (SRI): Provide a hybrid modified bitumen roofing system that meets or exceeds: An initial reflectance value of 0.72 or a three-year installed value of 0.5 as determined by the Cool Roof Rating Council or Energy Star. Any product that has been rated by the Cool Roof Rating Council or by Energy Star shall display a label verifying the rating of the product.

G. Roofing System Design: Provide roofing system that is identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist uplift pressures calculated according to ASCE 7-10. The Minimum Recommended Design Uplift-Resistance Capacities (Uplift Pressures) below include a safety factor of 2.0.
   1. All Zones (Roof Area Field, Roof Area Perimeter and Roof Area Corners) Uplift Pressures: As indicated on Drawings and as identified below:
      a. Zone 1 (Roof Area Field) Uplift Pressure: 31.1 lbf/sq. ft. (kPa).
      b. Zone 2 (Roof Area Perimeter) Uplift Pressure: 52.2 lbf/sq. ft. (kPa), located within 9.7 feet (m) of roof perimeter edge.
      c. Zone 3 (Roof Area Corners) Uplift Pressure: 78.5 lbf/sq. ft. (kPa), located within 9.7 feet (m) of roof corner edge.

H. ANSI/SPRI Wind Design Standard: Manufacture and install pre-engineered perimeter aluminum coping and roof edge systems tested according to ANSI/SPRI/FM 4435/ES-1 and capable of resisting the following design pressures:
   1. No field fabricated metal copings or roof edge systems will be accepted.

2. Minimum Recommended Design Wind-Resistance Loads, Roof Edge Gravel Stops or Fascias:
   a. Zone 4 (Wall Edge Perimeter, Horizontal (Outward) Load Direction): 33.7 lbf/sq.ft. (kPa) Design Pressure.
   b. Zone 5 (Wall Edge Corners, Horizontal (Outward) Load Direction: 41.6 lbf/sq.ft. (kPa) Design Pressure.
3. Minimum Recommended Design Wind-Resistance Loads, Roof Edge Copings:
   a. Zone 4 (Wall Edge Perimeter, Horizontal (Outward) Load Direction: 33.7 lbf/sq.ft. (kPa) Design Pressure.
   b. Zone 5 (Wall Edge Corners, Horizontal (Outward) Load Direction: 41.6 lbf/sq.ft. (kPa) Design Pressure.
   c. Zone 2 (Roof Edge Perimeter, Vertical (Upward) Load Direction: 52.2 lbf/sq.ft. (kPa) Design Pressure.
   d. Zone 3 (Roof Edge Corners, Vertical (Upward) Load Direction: 78.5 lbf/sq.ft. (kPa) Design Pressure.

I. FMG Listing: Provide hybrid hot applied SBS modified bitumen roofing membrane, base flashings, and component materials that comply with requirements in FM 4474 as part of a roofing system and that are listed in FMG's "Approval Guide" for Class 1 or noncombustible construction, as applicable. Identify materials with FMG markings.
   1. Windstorm Classification: FM Class 60
   2. Exterior Fire Classification: A
   3. Interior Fire Classification: NC
   4. Hail Resistance: SH

1.06 MOCK-UP

A. Provide Mock-Up of Metal Coping in accordance with 01 62 10 Pre-Construction Project Mockup.
B. Mock-Up length: 36 Inches.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver products in manufacturer's original containers, dry, undamaged, with seals and labels intact.
B. Store products in weather protected environment, clear of ground and moisture; ballast materials may be stored outdoors.
C. Protect foam insulation from direct exposure to sunlight, moisture, soiling, and other sources.
D. Handle and store roofing materials and place equipment in a manner to avoid permanent deflection of deck.
E. Store modified bitumen rolls on end with selvage ends up.
F. Roll out the modified bitumen sheet and allow to relax for ten to fifteen minutes prior to installation.
   1. Cut into appropriate lengths.
   2. Install sheets parallel to slope as much as possible.

1.08 FIELD CONDITIONS

A. Do not apply roofing membrane when environmental conditions are outside the ranges recommended by manufacturer.
B. Do not apply roofing membrane during unsuitable weather.
C. Do not apply roofing membrane when ambient temperature is below 40 degrees F.
D. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
E. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.
F. Consider effects of wind chill on adhesives, and ensure they will not prematurely set before proper adhesion takes place.

G. Prevent all products from freezing. Store all materials prior to application at temperatures between 60 and 90 deg. F.
H. Board will occupy portions of building immediately below roofing area. Conduct roofing so Board's operations will not be disrupted. Provide Board with not less than 72 hours' notice of activities that may affect Board's operations.
I. Prevent dust, vapors, gases, and odors from entering into the building during roof installation. When shutting down or blocking air intakes, provide makeup air or additional intake air from sources away from the work area. Coordinate these procedures with Board's Representative.
J. Daily Protection: Coordinate installation of roofing so insulation and other components of roofing system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.
    1. Provide tie-offs at end of each day's work to cover exposed roofing and insulation with a course of coated roofing sheet set in urethane mastic with joints and edges sealed.
    2. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing.
    3. Remove temporary plugs from roof drains at end of each day.
    4. Remove and discard temporary seals before beginning work on adjoining roofing.
    5. Provide protection in roof-related traffic, staging and storage areas consisting of 45 mil EPDM, 1" extruded polystyrene insulation, and 3/4" plywood ballasted with sandbags. Remove protection materials upon completion of work.
    6. Roofing Contractor to coordinate with General Contractor to provide protection for the installed vapor barrier/temporary roof and/or modified bituminous roofing system during all non-modified bituminous roofing system related construction activities.
K. Provide thermostatic controls and visual thermometer on bitumen kettle, maintain in working order, and keep calibrated.

1.09 WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
B. Manufacturer's Warranty: Provide warranty, without monetary limitation, in which manufacturer agrees to repair or replace components of roofing system, including but not limited to, vapor retarder roofing plies, modified membrane, adhesives, roof insulation, cover board, substrate board, wood components, fasteners, walkway products and all roof system metal caps and counter flashing, that fail in materials or workmanship within specified warranty period . Failure includes roof leaks.
    1. Warranty Period: 20 years from date of Preliminary Acceptance.
    2. Indicate a wind speed warranty of up to 74 M.P.H., as reported by the certified weather reporting station nearest to the site for the Chicago IL region.
    3. Contractor to provide a sample copy of standard roofing manufacturer's warranty, stating obligations, remedies, limitations, and exclusions of warranty as specified, with bid.
    4. Warranty shall run for a continuous 20 years.
        a. Warranty will not be accepted that contains any requirement(s) for Board to renew the warranty at any time during the 20 year period.
        b. In year(s) number 2, 5, 10 and 15 of this warranty, manufacturer shall provide roof inspections with a written report, and limited housekeeping services, at no later additional charge to the Board.
        c. Lack of a written record that Board performed regularly scheduled maintenance shall not void the warranty.
C. Installer's Warranty : Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering Work of this Section, and all components of roofing system, including but not limited to, vapor retarder roofing plies, modified membrane, base flashings, adhesives, roof insulation, cover board, substrate board, wood components,

fasteners, walkway products and all roof system metal caps and counterflashing, for the following warranty:

1. Warranty Period: Two years from date of Preliminary Acceptance.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Listed Manufacturers: The manufacturers listed below have demonstrated an ability to comply with the specified performance attributes for hybrid hot applied SBS modified bituminous membrane roofing assemblies. If one of the listed manufacturers chooses to use an acceptable product from another manufacturer, as listed in Sections 2.02 thru 2.12 of this Specification, the listed manufacturer must confirm in writing that the product is part of a RoofNav approved assembly and will be warrantied by the manufacturer. Subject to compliance with requirements, provide a hybrid hot applied SBS modified bituminous membrane roofing system warrantied by one of the following:

1. Garland.
2. Johns Manville.
3. Siplast.
4. Soprema.
5. Tremco.

2.02 SBS-MODIFIED ASPHALT SHEET MATERIALS (FOR ROOFING FIELD)

A. Granulated Cap Sheet: Meeting or exceeding ASTM D6163/D6163M, Grade G, Type II glass-fiber- reinforced, containing SBS-modified granulated surface (manufacturer's standard ceramic granules) with field-applied reflective roof coating as specified OR meeting or exceeding ASTM D6162/D6162M, Grade G, Type II composite of polyester and glass reinforcement containing SBS modified granulated surface (manufacturer's standard ceramic granules) with field-applied reflective roof coating as specified.

1. Acceptable glass-fiber reinforced SBS modified products, meeting or exceeding ASTM D6163/D6163M, Grade G, Type II:
   a. Garland StressPly FR Mineral
   b. Garland VersiPly Mineral
   c. Johns Manville DynaGlas FR XT
   d. Siplast Paradiene 30 HT FR
   e. Soprema Elastophene HR FR GR
   f. Soprema Elastophene HR FR GR WH
   g. Tremco Powerply Plus HT FR
2. Acceptable composite polyester and glass reinforced SBS modified products, meeting or exceeding ASTM D6162/D6162M, Grade G, Type II:
   a. Siplast Parafor 30
   b. Soprema Elastophene HS FR GR

2.03 BASE-PLY SHEET MATERIALS (FOR ROOFING FIELD)

A. Reinforced Base Ply Sheet: Composite of polyester and glass reinforcement coated with waterproofing asphalt, dusted with fine mineral surfacing on both sides, meeting or exceeding ASTM D4601/D4601M Type II OR glass reinforced SBS modified, meeting or exceeding ASTM D6163/D6163M, Grade S, Type II smooth, min. thickness 115 mils.

1. Acceptable composite polyester and glass reinforced asphalt coated products, meeting or exceeding ASTM D4601/D4601M, Type II:
   a. Johns Manville Glastite Flexible
   b. Tremco Composite Ply HT
2. Acceptable glass reinforced SBS modified products, meeting or exceeding ASTM D6163/D6163M, Grade S, Type II, with a minimum sheet thickness of 115 mils:
   a. Garland StressBase 120
   b. Johns Manville DynaBase XT-134 mil
   c. Siplast Paradiene 20 EG

d. Soprema Elastophene HR sanded 3.0 (118 mils)

B. Fastened Base Sheet: Glass ply sheet, meeting or exceeding ASTM D4601/D4601M, Type I, as described in Section 3.06 of this specification.
   1. Acceptable glass base sheet products, meeting or exceeding ASTM D4601/D4601M, Type I:
      a. GAF Glas #75 Base, (Only if identified to be included in the system warranty by one of the Listed Manufacturers)
      b. Johns Manville Perma Ply 28
      c. Siplast Parabase
      d. Soprema Modified Sopra G
      e. Tremco BURmastic Glass Ply

C. Vented Base Sheet: Meeting or exceeding ASTM D4897/D4897M, Type II, as described in Section 3.06 of this specification.
   1. Acceptable vented base sheet products, meeting or exceeding ASTM D4897/D4897M, Type II:
      a. GAF Glas Stratavent, (Only if identified to be included in the system warranty by one of the Listed Manufacturers)
      b. Johns Manville Ventsulation Felt
      c. Soprema Sopra 4897

D. Reinforced Field Base Ply Sheet (Vapor Barrier/Temporary Roof): Composite of polyester and glass reinforcement coated with waterproofing asphalt, dusted with fine mineral surfacing on both sides, meeting or exceeding ASTM D4601/D4601M Type II OR glass reinforced SBS modified, meeting or exceeding ASTM D6163/D6163M, Grade S, Type II smooth, with a minimum sheet thickness of 115 mils, as described in Section 3.08 of this specification.
   1. Acceptable composite polyester and glass reinforced asphalt coated products, meeting or exceeding ASTM D4601/D4601M, Type II:
      a. Johns Manville Glastite Flexible
      b. Tremco Composite Ply HT
   2. Acceptable glass reinforced SBS modified products, meeting or exceeding ASTM D6163/D6163M, Grade S, Type II, with a minimum sheet thickness of 115 mils:
      a. Garland StressBase 120
      b. Johns Manville DynaBase XT-134 mil
      c. Siplast Paradiene 20 EG
      d. Soprema Elastophene HR sanded 3.0 (118 mils)

2.04 PLY SHEET MATERIALS (FOR ROOFING FIELD)

A. Glass-Fiber Base-Ply Sheet: Meeting or exceeding ASTM D2178/D2178M, Type VI, asphalt-impregnated, glass-fiber felt.
   1. Acceptable asphalt-impregnated glass-fiber ply sheet products meeting or exceeding ASTM D2178/D2178M, Type VI:
      a. GAF FlexPly 6, (Only if identified to be included in the system warranty by one of the Listed Manufacturers)
      b. Garland HPR Premium Glasfelt (Type VI)
      c. Johns Manville Glas Ply Premier VI
      d. Soprema Sopra VI
      e. Tremco Thermaglass Premium VI

2.05 BASE FLASHINGS (FOR ROOF FLASHING AREAS)

A. Glass-Fiber Ply Sheet (Backer Sheet): Meeting or exceeding ASTM D2178/D2178M, Type VI, asphalt- impregnated, glass-fiber felt.
   1. Acceptable asphalt-impregnated, glass-fiber felt products meeting or exceeding ASTM D2178/D2178M, Type VI.

a. GAF FlexPly 6, Only if identified to be included in the system warranty by one of the Listed Manufacturers)
b. Garland HPR Premium Glasfelt (Type VI)
c. Johns Manville Glas Ply Premier VI
d. Soprema Sopra VI
e. Tremco Thermaglass Premium VI

B. Granulated Flashing Cap Sheet: Meeting or exceeding ASTM D6163/D6163M, Grade G, Type II glass- fiber-reinforced, containing SBS-modified granulated surface (manufacturer's standard ceramic granules) with field-applied reflective roof coating as specified OR meeting or exceeding ASTM D6162/D6162M, Grade G, Type II composite of polyester and glass reinforcement containing SBS modified granulated surface (manufacturer's standard ceramic granules) with field-applied reflective roof coating as specified.
1. Acceptable glass-fiber reinforced SBS modified products, meeting or exceeding ASTM D6163/D6163M, Grade G, Type II:
a. Garland StressPly FR Mineral
b. Garland VersiPly Mineral
c. Johns Manville DynaGlas FR XT
d. Siplast Paradiene 30 HT FR
e. Soprema Elastophene HR FR GR
f. Soprema Elastophene HR FR GR WH
g. Tremco Powerply Plus HT FR
2. Acceptable composite polyester and glass reinforced SBS modified products, meeting or exceeding ASTM D6162/D6162M, Grade G, Type II:
a. Siplast Parafor 30
b. Soprema Elastophene HS FR GR

2.06 AUXILIARY ROOFING MEMBRANE MATERIALS

A. Primer: ASTM D41/D41M, asphalt type.
1. Acceptable asphalt primer products:
a. Garland Garlaprime VOC
b. Johns Manville Asphalt Primer
c. Siplast PA1125 Asphalt Primer
d. Soprema Elastacol 500
e. Tremco Tremprime LV

B. Asphalt Mastic: ASTM D4586/D4586M, Type I, Class I or Type II, Class I.
1. Acceptable asphalt mastic products:
a. Garland Flashing Bond
b. Johns Manville MBR Utility Cement
c. Siplast PA 1021 for Flat/Low Slope Application
d. Siplast PA 828 for Vertical Application
e. Soprema Sopramastic SBS Elastic Cement
f. Tremco ELS Mastic

C. Fluid-Applied Liquid Flashing: Roofing system manufacturer's standard single component, two-coat, cold, fluid-applied, moisture triggered, aliphatic polyurethane reinforced flashing membrane OR two-coat, reinforced PMMA (polyurethane methyl methacrylate) fluid applied products.
1. Acceptable aliphatic polyurethane products:
a. Tremco Alphaguard MT BC Polyurethane Base Coat / Tremco Alphaguard MT TC Polyurethane Top Coat
2. Acceptable PMMA (polyurethane methyl methacrylate) products:
a. Johns Manville SeamFree PMMA Flashing Resin (with Johns Manville SeamFree PMMA Catalyst & Johns Manville SeamFree PMMA Scrim)
b. Siplast Parapro 123 Liquid Flashing System

c. Soprema Alsan RS 230 Flash

D. Hot Applied Roofing Asphalt: ASTM D312/D312M, Type III, or IV as recommended by roofing system manufacturer for application.
   1. Acceptable hot-applied roofing asphalt products:
      a. Owens Corning Trumbull Asphalt, Trulo Odor 3
      b. Owens Corning Trumbull Asphalt, Trulo Odor 4
      c. Tremco Premium III
      d. Tremco Premium IV

E. Cold Adhesive Option: At the roofing manufacturer's option, ONLY the granulated modified bitumen cap sheets in the roofing field or in the base flashing areas can be adhered in cold adhesive, in lieu of hot asphalt, per the roofing manufacturer's recommendations.
   1. Roofing system manufacturer's standard asphalt-based, one- or two-part, cold applied adhesive specially formulated for compatibility and use with roofing membrane and base flashings.
   2. Acceptable cold-applied adhesive products:
      a. Garland Weatherking Flashing Adhesive
      b. Johns Manville MBR Cold Application Adhesive
      c. Siplast PA-311 R
      d. Soprema Colply Adhesive
      e. Soprema Colply Modified Adhesive
      f. Tremco POWERply Cold Adhesive

F. Fasteners: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FM 4470, designed for fastening roofing membrane components to substrate, tested by manufacturer for required pullout strength, and acceptable to roofing system manufacturer. Use stainless steel fasteners where there is fastener contact with treated wood.

G. Field-Applied Reflective Roof Coating: White semi-gloss reflective coating acceptable to roofing system producer as required to produce the Solar Reflectance Index (SRI) specified under “QUALITY ASSURANCE” requirements and certified as required under “SUBMITTALS”.
   1. Acceptable field-applied reflective roof coating products:
      a. Garland Pyramic
      b. Garland White Knight
      c. Johns Manville Topguard 5000
      d. Siplast PC227 Elastomeric Coating
      e. Soprema R Nova Plus
      f. Tremco T-24 Coating

H. Drain Flashing Metal: 4 lb. (min.) lead sheet.

I. Miscellaneous Accessories: Provide miscellaneous accessories recommended by roofing system manufacturer.

2.07 SUBSTRATE BOARDS

A. Substrate Board (Wood Decks, Metal Decks and Clay Tile / Book Tile Decks (without Concrete Topping)): A product recommended by the roofing system manufacturer, that is part of the manufacturer's tested assembly, and that is acceptable to the City of Chicago as providing a 15 minute thermal barrier between the interior of the building and the insulation.
   1. Board: 1/2" thick reinforced gypsum fiber substrate board, ASTM C1278/C1278M.
   2. Must be compatible with hot asphalt systems.
   3. Acceptable substrate board products meeting ASTM C1278/C1278M:
      a. Johns Manville Securock Gypsum Fiber Board
      b. Siplast / USG Securock Gypsum Fiber Board
      c. USG Securock Gypsum Fiber Roof Board

d. Tremco / USG Securock Fiber Reinforced, Moisture Resistant Gypsum Roof Board

B. Fasteners : Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FM 4470, designed for fastening substrate panel to roof deck. Use stainless steel fasteners where there is fastener contact with treated wood.

2.08 ROOF INSULATION

A. Polyisocyanurate Board Insulation: ASTM C1289, Type II, Class I, Grade 2, 20 psi, felt or glass- fiber mat facer on both major surfaces. Continuous R-45 flat stock insulation, specified tapered layout, or other flat stock R value as indicated on drawings. 2.6" maximum flat board thickness. Filler insulation for tapered insulation systems may be greater than 2.6" thickness, where required. 48" x 48" maximum board size.

1. Where 1/2" thick reinforced gypsum fiber board is used for an insulation cover board within a hot applied modified bitumen roofing system:
   a. The insulation field is to be comprised of 2 layers of 2.6" thickness insulation board.
2. Where 1/2" thick wood fiber board is used for an insulation cover board within a hot applied modified bitumen roofing system:
   a. The insulation field is to be comprised of 2 layers of 2.5" thickness insulation board.
3. At drain locations with a drainage slope of 1/4" per foot:
   a. The tapered insulation shall meet the R-45 minimum thickness at a distance of 4'-0" away from the drain.
4. At drain locations with a drainage slope of 1/8" per foot:
   a. The tapered insulation shall meet the R-45 minimum thickness at a distance of 8'-0" away from the drain.
5. Acceptable polyicocyanurate board insulation products:
   a. GAF Energy Guard Poly Iso Insulation
   b. Hunter H-Shield
   c. Johns Manville Energy 3 Polyisocyanurate
   d. Siplast Paratherm
   e. Soprema Sopra ISO
   f. Tremco Trisotech

2.09 INSULATION ACCESSORIES

A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatible with membrane roofing.

B. Hot Roofing Asphalt Insulation Adhesive: ASTM D312/D312M, Type III, or IV as recommended by roofing system manufacturer for application.

1. Acceptable hot roofing asphalt insulation adhesive products:
   a. Owens Corning Trumbull Asphalt, Trulo Odor 3
   b. Owens Corning Trumbull Asphalt, Trulo Odor 4
   c. Tremco Premium III
   d. Tremco Premium IV

C. Low Rise Foam Insulation Adhesive: Manufacturer's recommended low rise foam insulation adhesive. Two component (1:1 ratio), solvent free, asbestos free, elastomeric urethane adhesive.

1. Acceptable low rise foam insulation adhesive products:
   a. GAF OlyBond 500 Adhesive Fastener
   b. Garland Insulock II
   c. Johns Manville MBR Cold Application Adhesive
   d. Siplast Parafast Insulation Adhesive (Large Areas)
   e. Siplast Parafast C (Small Areas)
   f. Soprema Duotack 365

g. Tremco Low Rise Foam Insulation Adhesive Green

D. Insulation Cant Strip: Fiberboard, asphalt coated, ASTM C208, Type II, Grade I, Cellulosic-Fiber Insulation Board, 48 inches. Thickness: 2 inches Face: 4 inches.

E. Insulation Cover Board: 1/2" thick reinforced gypsum fiber roof board , ASTM C1278/C1278M OR 1/2" thick coated wood fiber board ASTM C208, Type II, Grade I or Grade II:

1. A product recommended by the roofing system manufacturer.
   a. Product must be 2.0 lb/sf minimum.
2. Must be compatible with hot asphalt and cold adhesive systems.
3. Acceptable insulation cover board products meeting ASTM C1278/C1278M:
   a. Johns Manville Securock Gypsum Fiber Board
   b. Siplast / USG Securock Gypsum Fiber Board
   c. USG Securock Gypsum Fiber Roof Board
   d. Tremco / USG Securock Fiber Reinforced, Moisture Resistant Gypsum Roof Board
4. ~~Acceptable insulation cover board products meeting ASTM C208, Type II, Grade I or Grade II:~~
   a. ~~Blue Ridge Structodek HD Fiberboard~~
   b. ~~Celotex / Blue Ridge Structodek HD Fiberboard~~
   c. ~~Siplast / Blue Ridge Structodek HD Fiberboard~~
   d. ~~Tremco / Blue Ridge Structodek HD Fiberboard~~

F. Batt Insulation: ASTM C665, Type I, preformed glass fiber batt.

1. For filling acoustical steel deck flutes: 1.5 pcf inert, non-organic fiberglass batts, supplied by acoustical deck manufacturer.

2.10 PERIMETER METAL COPING AND ROOF EDGE SYSTEM

A. Custom bent, Manufactured Perimeter Metal Coping and Roof Edge Flashing System: Tested and certified to meet ANSI/SPRI/FM 4435/ES-1 Wind Design Standards for Edge Systems.

1. Parapet copings and roof edge profiles (including fascia / gravel stop profiles) shall be heavy gauge material, manufactured from 0.125” (minimum thickness) clear anodized aluminum in 12’-0” maximum lengths.
   a. Provide factory mitered and welded corners, transitions and end caps. Coping profiles to be precision saw cut and continuously welded to produce a watertight joint.
      1) Inside and outside corners. No joints within 18 inches of corners. Maximum leg length is 30 inches.
      2) Transition miters.
      3) Offset miters.
      4) End caps. No joints within 18 inches of ends. Maximum leg length is 30 inches.
   b. Clear Anodized Finish: AAMA 611 AA-M12C22A41 Class I clear anodic coating not less than 0.7 mils thick.
2. Concealed coping splice plates to be installed at all coping joints.
   a. Coping splice plates shall be manufactured from 0.050” (minimum thickness) aluminum, 6 inch lengths, formed to fit the inside of the coping profile.
   b. Splice plates to be sealed factory applied, dual, non-hardening sealant strips.
   c. Splice plate finish to match coping or roof edge profile finish.
3. Coping profiles to be snapped onto compression cleats manufactured from galvanized steel, 12 inch widths, with factory mounted stainless steel spring clips.
   a. Cleats to be fastened with stainless steel fasteners, sized per manufacturer’s recommendation.
4. No exposed fasteners permitted.

B. Miscellaneous metal components and ancillary accessories to interface with the Pre-engineered, Manufactured Perimeter Metal Coping and Roof Edge Flashing System: Including, but not limited to, gutters, scuppers, counterflashings, expansion joint covers, etc.
   1. All miscellaneous metal components and ancillary accessories not requiring welding shall be manufactured from 0.040” (minimum thickness) mill finished aluminum in 12’-0” maximum lengths.
      a. Finished to match the Pre-engineered, Manufactured Perimeter Metal Coping and Roof Edge Flashing System.
   2. All slip metal components to be manufactured from 0.040” (minimum thickness) mill finished aluminum in 12’-0” maximum lengths.
      a. Finished to match the Pre-engineered, Manufactured Perimeter Metal Coping and Roof Edge Flashing System.
   3. ONLY where new slip metal is to be used at existing non-aluminum metal flashing components to remain in place, the new slip metal component is to match the metal type of the existing metal component. If galvanized steel is used, provide 24 ga. Minimum thickness.
      a. Finished to match the Pre-engineered, Manufactured Perimeter Metal Coping and Roof Edge Flashing System.
   4. Acceptable Pre-engineered, Manufactured Perimeter Metal Coping and Roof Edge Flashing System products:
      a. Garland R-Mer Edge
      b. Hickman
      c. Johns Manville Presto Lock Coping System
      d. Johns Manville Presto Tite Fascia System
      e. Metal Era
      f. Siplast Paraguard
      g. Soprema Sopraedge
      h. Soprema Sopraguard
      i. Soprema Sopracap
      j. Soprema Soprabond
      k. Tremco Tremlock

2.11 WALKWAYS

A. Walkway Pads: Mineral-granule-surfaced, reinforced asphaltic composition, slip-resisting pads, manufactured as a traffic pad for foot traffic and acceptable to roofing system manufacturer, minimum 1/3" thick, 30" x 30" pad size.
   1. Acceptable walkway products;
      a. Johns Manville Dynatred Plus
      b. Tremco Tremtred

2.12 CONCRETE SPLASH BLOCKS

A. Precast Concrete Splash Blocks: Install one reinforced, precast concrete splash block at all downspouts terminating at bituminous membrane roofing areas, 12” x 24” x 3” block size.
   1. Install one 30” x 30” walkway pad beneath each precast concrete splash block.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates, areas, and conditions with installer present for compliance with the following requirements and other conditions affecting performance of roofing system:
   1. Verify that roof openings and penetrations are in place and set and braced and that roof drains are securely clamped in place.
      a. Check roof drains prior to starting the roofing in each drainage area to determine if the drain is plugged , or if the drain bowl, clamping ring, dome, etc. are damaged. These items shall be brought to the attention of the Board or

Architect/Engineer of Record prior to starting work, and will be the Board's responsibility for correction. Plugged or damaged drains brought to the attention of the Board or Architect/Engineer of Record after work has begun shall be the responsibility of the Contractor to correct.

2. Verify that wood cants, blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
3. At Concrete Decks and Concrete Topped Clay Tile / Book Tile Decks:
   a. Verify that concrete curing compounds that will impair adhesion of roofing components to roof deck have been removed.
   b. Verify that concrete substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D4263.
      1) Test for moisture by pouring 1 pint of hot roofing asphalt on deck at start of each day's work and at start of each roof area or plane. Do not proceed with roofing work if test sample foams or can be easily and cleanly stripped after cooling.
4. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 REMOVAL OF EXISTING EQUIPMENT

A. Examine substrate at location of removal/relocation/modification of mechanical units and mechanical lines (i.e. conduit and piping) :
   1. Verify with Architect/Engineer of Record before temporary removal of mechanical units. Perform a test run to ensure equipment is working properly before disconnection and temporary removal. Document all test results in writing.
   2. Remove and reset rooftop units as required. Coordinate downtime of the unit with the Board. Provide work in stages or phases to accommodate the Board's occupancy requirements. Keep existing mechanical equipment and services in operation as much as possible during construction .
   3. Reconnect mechanical equipment (on a daily basis if required), even when the disconnection of the equipment, or any portion thereof, is inadvertent.
   4. Electrical and/or mechanical extensions/connections found necessary shall be the Contractor's responsibility. Proper mechanical/electrical and ductwork extensions shall be provided where necessary by a licensed contractor to meet all state and local code requirements and to meet licensing requirements regarding the handling of chlorofluorocarbons (CFC's).
   5. Obtain and pay for all licenses and permits. Coordinate and request all inspections from authority having jurisdiction and submit certificates of inspection and final approval of the local inspection authority to the Architect/Engineer of Record.
   6. Verify with Architect/Engineer of Record before permanent reinstallation of mechanical units. Perform a test run to ensure equipment is working properly after reinstallation. Document all test results in writing.

3.03 PREPARATION

A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
C. At Concrete Decks and Concrete Topped Clay Tile / Book Tile Decks:
   1. Prime surface of concrete deck with asphalt primer at a rate of 3/4 gal. I 100 sq. ft. and allow primer to dry.

3.04 ROOF DECK REPLACEMENT

A. Gypsum Plank Deck Replacement:

1. Remove sufficient gypsum plank deck in the area of deteriorated deck to allow ends of new decking to bear on existing joists.
2. Fabricate deck panels by nailing gypsum board to both sides of 3/4" plywood.
3. Install deck panel with ends bearing at joists and face grain of plywood running perpendicular to joists.
4. Fasten panel with self-drilling fasteners at 6" on-center at end and intermediate joists. Use two ply clips between supports for unsupported edges.

B. Poured Gypsum Deck Replacement:
1. Remove sufficient gypsum deck in the area of deteriorated deck to allow ends of new decking to bear on existing bulb tees.
2. Install deck and grout materials in accordance with deck manufacturer's recommendations.

C. Metal Deck Replacement:
1. For openings less than 12" x 12", lap 12-gauge steel plate minimum 6" onto existing deck and screw fasten at 6" on-center.
2. For openings greater than 12" x 12":
   a. When replacement decking matches ex1stmg decking, place new decking over existing with section long enough to bear on minimum two steel joists. Provide minimum 6" side laps screw fastened at 6" on-center.
   b. When replacement decking to match existing is not available, weld steel angles to joists with minimum two intermediate supports. Screw new decking to steel angles at 6" on-center. Provide new 20-gauge steel plate centered over intersection of new and existing decking with 6" side laps, fastened on both sides at 6" on-center.

D. Concrete Deck Replacement: Provide steel angles at concrete deck openings to support new steel deck replacement, as shown on the Drawings.

3.05 ROOF INSPECTION AND TESTING.

A. The Board will employ the services of a roofing consultant to perform the following services:
1. Attend the roofing preinstallation conference.
2. Provide full time observation of the Work and enforcement of the Contract Documents in accordance with good construction practice the first two days of installation and periodically thereafter.
3. Direct the roofing installer to cut and patch one foot square samples as the installed roofing system minus the coating system and perform tests to determine such items as bitumen weight, interply mopping and moisture encapsulated within the roofing system at the site while Work is in progress one for 5,000 square foot of roof.
4. If the test indicates failure to comply with Contract Documents, direct the roofing installer to make additional cut and conduct additional tests.
5. Direct corrective action to obtain acceptance including removal and replacement if necessary.
6. Insert the completed roofing system after application of coating system.

B. The roofing installer shall, as part of the Contract Work, perform the following:
1. Make all cuts as directed.
2. Immediately patch all cuts as required to obtain the specified warranty.
3. Perform all corrective work as directed.
4. Extend full cooperation.

3.06 SUBSTRATE BOARD INSTALLATION (AT WOOD DECKS, METAL DECKS AND CLAY TILE / BOOK TILE DECKS (WITHOUT CONCRETE TOPPING))

A. At Wood Decks and Metal Decks:
1. Install substrate board with long joints in continuous straight lines, perpendicular to roof slopes with end joints staggered between rows. Tightly butt substrate boards together.

2. Fasten substrate board to top flutes of steel deck per manufacturer's required fastening pattern to meet the calculated wind uplift values provided in Section 1.05 G. of this Specification and as shown on the Drawings.

3.07 VAPOR-BARRIER/TEMPORARY ROOF INSTALLATION

A. At Wood Decks, Metal Decks and Clay Tile / Book Tile Decks (without Concrete Topping):
   1. Over fastened substrate board, install one reinforced base ply sheet vapor barrier lapping each sheet minimum 4 inches over preceding sheet in shingle fashion. Embed each sheet in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F of equiviscous temperature.

B. At Concrete Decks and Concrete Topped Clay Tile / Book Tile Decks:
   1. Prime concrete deck with asphalt primer and allow primer to dry. Install one reinforced base ply sheet vapor barrier lapping each sheet minimum 4 inches over preceding sheet in shingle fashion. Embed base ply sheet in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F of equiviscous temperature.
      a. Roll ply into adhesive with a 4 inch side lap and a 6 inch end lap, minimum.
      b. Broom ply into adhesive from the dry side of the installation.
      c. Turn ply up at penetrations, walls and curbed units a minimum of eight inches (8") and seal with asphalt mastic.
      d. Use roofing system manufacturer's standard asphalt-based mastic for vapor barrier seal where roofing system manufacturer 's standard asphalt-based adhesive is used at steel and wood decks.

C. Completely seal vapor barrier at terminations, obstructions, and penetrations to prevent air and moisture movement into roofing system.

3.08 INSULATION INSTALLATION

A. Comply with roofing system manufacturer's written instructions for installing roof insulation.
B. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
C. Install tapered or flat stock insulation as shown on drawings to provide positive drainage.
D. At areas where flat stock insulation is specified, provide a continuous R-Value of 45 unless the roof is an existing roof that has been granted a special exception by the City of Chicago for a lower R-Value.
E. Nailer Strips: Mechanically fasten 4-inch nominal- width wood nailer strips of same thickness as insulation perpendicular to sloped roof deck at the following spacing:
   1. 20 feet apart for roof slopes greater than 2 inch per 12 inches (2:12) but less than 3 inches per 12 inches (3:12).
      a. Backnail 3 inches o.c. from the back edge of each ply along nailer to ensure that the nails are covered by a minimum of two plies of sheet. The nails shall be staggered.
   2. 48 inches apart for roof slopes greater 3 inches per 12 inches (3:12).
   3. Backnail 3 inches o.c. from the back edge of each ply along nailer to ensure that the nails are covered by a minimum of two plies of sheet. The nails shall be staggered.
F. Insulation Cant Strips: Install and secure preformed 45-degree insulation cant strips in hot asphalt at junctures of roofing membrane system with vertical surfaces or angle changes greater than 45 degrees.
G. Install insulation with long joints of insulation in a continuous straight line with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch with insulation.
   1. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
H. Install one or more layers of insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 2 inches or greater, install 2 or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of 6 inches in each direction.

I. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.
J. Sump insulation at roof drains and scuppers to provide a 48 inch by 48 inch sump.
K. Install adhered crickets between drains, at walls and perimeters between drains, and at other locations indicated on drawings.
L. Adhered Insulation: Install each layer of insulation and adhere as follows unless roofing system manufacturer requires otherwise. Comply with such requirements:
    1. Set each layer of insulation in solid mopping of hot roofing asphalt.
M. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Stagger joints from joints in insulation below a minimum of 6 inches in each direction. Loosely butt cover boards together and fasten to roof deck. Tape joints if required by roofing system manufacturer.
    1. Apply in hot roofing asphalt.
N. Install adhered tapered edge strips (heights vary) at perimeter edges of roof to ensure no 90 degree bends exist in roofing.

3.09 ROOFING MEMBRANE INSTALLATION, GENERAL

A. Install roofing membrane system according to roofing system manufacturer's written instructions and applicable recommendations of ARMA/NRCA's "Quality Control Guidelines for the Application of Polymer Modified Bitumen Roofing."
B. Start installation of roofing membrane in presence of roofing system manufacturer's technical personnel.
C. Cooperate with testing and inspecting agencies engaged or required to perform services for installing roofing system.
D. Coordinate installing roofing system so insulation and other components of the roofing membrane system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.
    1. Provide tie-offs at end of each day's work to cover exposed roofing membrane sheets and insulation with a course of coated felt set in roofing cement or hot roofing asphalt with joints and edges sealed.
    2. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system.
    3. Remove and discard temporary seals before beginning work on adjoining roofing.
E. Asphalt Heating: Heat asphalt to its equiviscous temperature, measured at the mop cart or mechanical spreader immediately before application. Circulate asphalt during heating. Do not raise asphalt temperature above equiviscous temperature range more than one hour before time of application. Do not exceed asphalt manufacturer's recommended temperature limits during asphalt heating. Do not heat asphalt within 25 deg F of flash point. Discard asphalt maintained at a temperature exceeding finished blowing temperature for more than four hours.
    1. Apply hot roofing asphalt within plus or minus 25 deg F of equiviscous temperature and adhere components to asphalt heated to not less than 425 deg F.
F. Substrate-Joint Penetrations: Prevent roofing asphalt from penetrating substrate joints, entering building, or damaging roofing system components or adjacent building construction.

3.10 BASE-PLY SHEET AND PLY SHEET INSTALLATION

A. Install one layer of reinforced base ply sheet over one layer of Type VI glass-fiber ply sheet according to roofing system manufacturer's written instructions starting at low point of roofing system. Align reinforced base ply sheets and glass-fiber base-ply sheets without stretching. Extend base ply sheet and ply sheet over and terminate beyond cants.
    1. Shingle side laps of glass-fiber base-ply sheets uniformly to ensure required base sheet and ply sheets covers substrate at any point. Shingle in direction to shed water.

2. Embed ply sheet and base ply sheet in a continuous mopping of hot roofing asphalt, to form a uniform membrane.

3.11 SBS-MODIFIED BITUMINOUS MEMBRANE INSTALLATION

A. Install granulated SBS modified bituminous roofing membrane cap sheet over reinforced base ply sheet and Type VI glass-fiber ply sheet according to roofing manufacturer's written instructions, sta1iing at low point of roofing system. Extend roofing membrane sheets over and terminate beyond cants, installing as follows:
   1. Adhere to substrate in a solid mopping of hot roofing asphalt applied at not less than 425 deg F OR at the roofing manufacturer's option, ONLY the modified bitumen cap sheet can be adhered in cold adhesive, in lieu of hot asphalt, per the roofing manufacturer's recommendations.
   2. Unroll roofing membrane sheets and allow them to relax for minimum time period required by manufacturer.

B. Laps: Accurately align roofing membrane sheets, without stretching, and maintain uniform side and end laps. Stagger end laps. Install roofing membrane sheets so side and end laps shed water. Completely bond and seal laps, leaving no voids.
   1. Repair tears and voids in laps and lapped seams not completely sealed.
   2. Allow membrane a minimum 30 day cure before applying reflective white surface coating.

C. Immediately after installation of cap sheet, to ensure complete and continuous seal and contact between adhesive and base ply and ply sheets, including ends, edges and all laps without wrinkles, fish-mouths, or blisters:
   1. Minimum 75-pound weighted roller shall be applied over entire adhered base ply and ply sheets at all areas including field of base ply and ply sheets, side laps and end laps.

D. Install modified bituminous membranes with side laps shingled with slope of roof deck. Nail off all roof plies into wood cants with 1” nails fastened 12” on center.
   1. Seal all edges of new roofing at top of cants with asphalt mastic.

3.12 FLASHING AND STRIPPING INSTALLATION

A. Install base flashing over cant strips and other sloping and vertical surfaces, at roof edges, and at penetrations through roof, and secure to substrates according to roofing system manufacturer's written instructions and as follows:
   1. Prime substrates if required by roofing system manufacturer.
      a. Backer Sheet Application: Install backer sheet and adhere to substrate in a solid mopping of hot roofing asphalt.
      b. Flashing Sheet Application: Adhere flashing sheet to substrate in a solid mopping of hot roofing asphalt applied at not less than 425 deg F OR at the roofing manufacturer's option, ONLY the modified bitumen flashing cap sheet can be adhered in cold adhesive, in lieu of hot asphalt, per the roofing manufacturer's recommendations. Apply hot roofing asphalt to back of flashing sheet if recommended by roofing system manufacturer OR at the roofing manufacturer's option, apply cold adhesive to the backside of ONLY the modified bitumen flashing cap sheet, in lieu of hot asphalt, per the roofing manufacturer's recommendations.

B. Extend base flashing up walls or parapets a minimum of 8 inches above built-up roofing and 6 inches onto field of built-up roofing.

C. Mechanically fasten top of base flashing securely at terminations and perimeter of roofing.
   1. Seal top termination of base flashing with a strip of glass-fiber fabric set in asphalt roofing cement.

D. Install roofing membrane cap-sheet stripping where metal flanges and edgings are set on membrane roofing according to roofing system manufacturer's written instructions.

E. Roof Drains: Set 30-by-30-inch lead sheet drain flashing in bed of asphalt roofing mastic on completed roofing membrane. Cover lead sheet drain flashing with roofing membrane cap-sheet stripping and extend a minimum of 4 inches beyond edge of lead sheet drain flashing onto field of roofing membrane. Clamp roofing membrane, lead sheet drain flashing, and cap sheet stripping into roof-drain clamping ring. Retap existing clamping ring bolt holes and provide new bolts at all existing drain bowl locations.

F. Install cap sheet stripping according to roofing system manufacturer's written instructions.

3.13 WALKWAY INSTALLATION

A. Walkway Pads: Install walkway pads using units of size indicated (30" x 30" pad size minimum) to surround rooftop units, door entrances, and hatches, to form a walkway path between serviceable units, beneath all conduit or cable runs, beneath all sleeper supports, at ladder access points, and where additionally indicated on drawings, according to walkway pad manufacturer's written instructions.

1. Set walkway pads in asphalt mastic or manufacturer's recommended cold-applied adhesive.

3.14 REFLECTIVE ROOF COATING

A. For a hot applied modified bitumen membrane roofing system with hot applied cap sheets and hot applied flashing sheets: After entire roof system and flashing details are completed, and roof system/laps/flashings have cured per manufacturer’s recommended period, apply a uniform coating of the white semi-gloss reflective roof coating to roof membrane, base flashings and walkway pads according to manufacturer’s written instructions by roller or other suitable application method.

1. Apply two coats to roofing field and flashings in a neat and uniform manner.

B. For a hot applied modified bitumen membrane roofing system with cold applied cap sheets and cold applied flashing sheets (Cold Adhesive Option): After entire roof system and flashing details are completed and roof system/laps/flashings have cured for 30 days, apply a uniform coating of the white semi-gloss reflective roof coating to roofing membrane, base flashings and walkway pads according to manufacturer's written instructions by roller or other suitable application method.

1. Apply two coats to roofing field and flashings in a neat and uniform manner.

3.15 FINAL FIELD INSPECTION

A. Manufacturer must provide a photo summary report, showing installation methods and conditions, to the Board's Representative at the completion of the project.

B. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion and submit report to Architect/Engineer of Record.

1. Notify Architect/Engineer of Record or Board 48 hours in advance of date and time of final inspection.
    a. Results will be made available to Board's Representative in written form. Any defects or entrapped moisture found within the new roofing system installation will be removed and replaced at the installing contractor's expense.

C. Repair or remove and replace components of roofing system where test results or inspections indicate that they do not comply with specified requirements.

D. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements

E. Contractor to repair or remove and replace components of roofing system where test results or inspections indicate that they do not comply with specified requirements.

3.16 PROTECTING AND CLEANING

A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction will not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect/Engineer of Record and Board.

B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Preliminary Acceptance and according to warranty requirements.
C. Sequence operations to avoid excessive or concentrated foot traffic and storage over roof areas while they cure.
D. Clean all overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.
E. Contractor shall rod all drains to ensure that a free-flowing condition exists and all drains are functioning properly.

3.17 ROOFING INSTALLER'S WARRANTY

A. WHEREAS 'NAME of COMPANY,' herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:
   1. Owner: Chicago Public Schools
   2. Address: 42 West Madison Street, Chicago, IL 60602
   3. Building Name/Type:
   4. Address:
   5. Area of Work:
   6. Acceptance Date:
   7. Warranty Period:
   8. Expiration Date:
B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.
D. This Warranty is made subject to the following terms and conditions:
   1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
      a. Lightning;
      b. Peak gust wind speed exceeding 90 mph;
      c. Fire;
      d. Failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
      e. Faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
      f. Vapor condensation on bottom of roofing; and
      g. Activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
   2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
   3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
   4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this

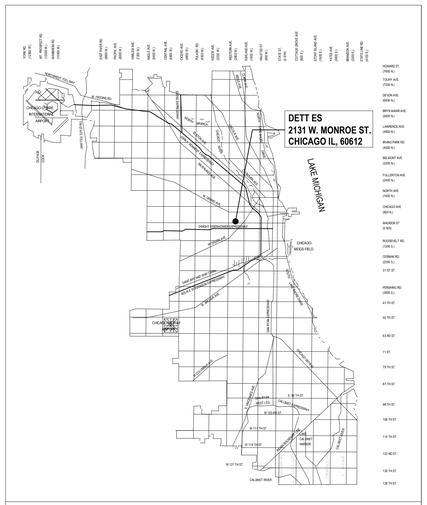
Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.

5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this XX day of XXXXXXX, 20XX.
   1. Authorized Signature:
   2. Name:
   3. Title:

END OF SECTION 07 52 16.12

1/32" = 1'-0" | 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 1" = 1'-0" | 1-1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"



City of Chicago Location Map

ROBERT NATHANIEL DETT ELEMENTARY SCHOOL ANNEX AND RENOVATION

2131 W. MONROE ST.
CHICAGO IL, 60612
PBC PROJECT NUMBER 05445

ISSUE FOR ADDENDUM 05
06.09.23

PUBLIC BUILDING COMMISSION

PUBLIC BUILDING COMMISSION OF CHICAGO

LORI E. LIGHTFOOT, MAYOR
CARINA E. SÁNCHEZ, EXECUTIVE DIRECTOR

CHICAGO PUBLIC SCHOOLS

PEDRO MARTINEZ, CHIEF EXECUTIVE OFFICER
MIGUEL DEL VALLE, CHICAGO BOARD OF EDUCATION PRESIDENT
IVAN HANSEN, CHIEF FACILITIES OFFICER

ARCHITECT OF RECORD

KOO LLC
55 W Wacker Dr, Suite 600C
Chicago, IL 60601
312.235.0920

CIVIL ENGINEER

TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654
312.467.0123

STRUCTURAL ENGINEER

Milhouse Engineering & Construction
333 South Wabash Avenue
Chicago, IL 60604
312.987.0061

MEP/FP/AV/IT ENGINEER

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30 N LaSalle St, Ste 4200
Chicago, IL 60602
312.782.8150

ENVIRONMENTAL

ENVIRONMENTAL ENGINEERING
Environmental Design International
33 W Monroe ST #1825
Chicago, IL 60603
312-345-1400

ENVIRONMENTAL RENO/DEMO
Specialty Consulting, Inc (SPC)
2942 W Van Buren St
Chicago, IL 66012
312-319-7575

LANDSCAPE ARCHITECT

TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654
312.467.0123

BEFORE YOU DIG IN CHICAGO, CALL... DIGGER (312) 744-7000

PROJECT DESCRIPTION:
THE PROJECT WILL CONSIST OF A RENOVATION OF THE EXISTING ROBERT NATHANIEL DETT ELEMENTARY SCHOOL AND CONSTRUCTION OF AN ANNEX ADDITION. THE CURRENT BUILDING'S USE IS A SCHOOL (OCCUPANCY TYPE E-1). THE PROPOSED OCCUPANCY FOR THE EXISTING BUILDING WILL REMAIN TYPE E-1. THE PROPOSED OCCUPANCY OF THE NEW ANNEX ADDITION IS ASSEMBLY (OCCUPANCY TYPE A-4).

THE PROPOSED NEW 1 STORY ANNEX ADDITION WILL BE APPROXIMATLY 17,800 SF. THE ADDITION WILL BE LINKED TO THE EXISTING SCHOOL BUILDING AND WILL INCLUDE A NEW GYMNASIUM WITH OFFICE/STORAGE , A LOBBY/PRE-FUNCTION AREA, COMMUNITY/MULTI-PURPOSE ROOM, RESTROOMS AND A NEW 40 SPACE PARKING AND TRASH ENCLOSURE AREA AT THE SOUTHWEST PORTION OF THE SITE WHICH WILL REPLACE THE EXISTING 18 SPACE LOT AT THE NORTHEAST CORNER OF THE CAMPUS. THE RENOVATION SCOPE OF WORK OF THIS PROJECT INCLUDES RE-ROOFING, REPLACEMENT OF EXTERIOR DOORS, MASONRY FACADE RESTORATION, AND RENOVATION OF THE PARKING AREAS, SIDEWALKS, AND TRASH ENCLOSURE AREA. THE INTERIOR SCOPE OF RENOVATION WORK OF THIS PROJECT INCLUDES THE ADDITION OF A NEW ELEVATOR, ALTERATION OF SELECT INTERIOR ROOM LAYOUTS, ALTERATION OF EXISTING TOILET ROOMS TO BE MADE ACCESSIBLE, AND RENOVATION OF FINISHES, CASEWORK, AND MEPFP SYSTEMS.

CERTIFICATION STATEMENT:

I hereby certify that these plans were prepared under my direct supervision and to the best of my professional knowledge they conform to the Chicago Building Code.

Signature: _____

Signed date: _____

Illinois License Number: _____

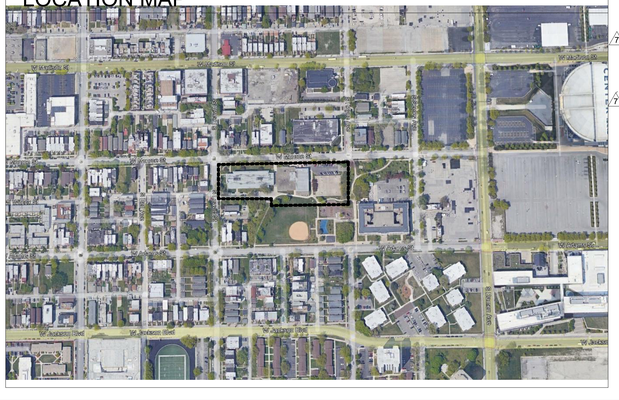
Registration Expiration date: _____

CERTIFICATION:

THIS CERTIFIED THAT THESE DRAWINGS HAVE BEEN REVIEWED TO THE BEST OF MY KNOWLEDGE AND THAT I BELIEVE THEY ARE IN ACCORDANCE WITH THE AMERICANS WITH DIABILITIES ACT (ADA), AND ALL CODES AND BUILDING ORDINANCES OF THE CITY OF CHICAGO, STATE OF ILLINOIS.

_____
LICENSED ARCHITECT / LANDSCAPE ARCHITECT / LICENSED ENGINEER

LOCATION MAP



SHEET MATRIX

C0-01	GENERAL NOTES
000 - COVER	
COVER	COVER SHEET
001 - GENERAL	
G-000	CODE MATRIX
G-001	GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS
G-002	CODE INFORMATION & EGRESS PLANS
G-003	CODE INFORMATION & EGRESS PLANS - FLOORS 2 AND 3
G-004	FIXTURE COUNT ANALYSIS FLOOR 1
G-005	FIXTURE COUNT ANALYSIS FLOOR 2&3
G-007	PHASING PLAN
G-008	SITE SURVEY
G-009	SURVEY
G-010	EXISTING CONDITIONS FOR REFERENCE
002 - ENVIRONMENTAL	
SMP-1	SOIL MANAGEMENT PLAN
003 - CIVIL	
C0-01	GENERAL NOTES
C0-02	EXISTING CONDITIONS
C1-00	SITE DEMOLITION PLAN
C2-00	SITE DIMENSION PLAN
C3-00	SITE GRADING PLAN
C3-02	EROSION CONTROL PLAN
C3-04	DETAILED SITE GRADING PLAN
C4-00	SITE UTILITY PLAN
C5-00	SITE DETAILS
C5-01	SITE DETAILS
C5-02	SITE DETAILS
C5-03	UTILITY DETAILS
C5-04	UTILITY DETAILS
C5-05	UTILITY DETAILS
MOT1-00	MOT PLAN
004 - LANDSCAPE	
L0-00	TREE PRESERVATION PLAN
L1-00	LANDSCAPE PLAN
L2-00	LANDSCAPE DETAILS
L2-01	ORNAMENTAL FENCE DETAILS
L2-02	SITE DETAILS
005 - STRUCTURAL	
S-001	STRUCTURAL - GENERAL NOTES
S-002	STRUCTURAL - GENERAL NOTES AND LOADING CRITERIA
S-100	ANNEX CAISSON PLAN
S-101	ANNEX FOUNDATION AND GROUND FLOOR PLAN
S-102	ANNEX ROOF FRAMING PLAN
S-104	CLRM WING PARTIAL FOUNDATION AND FRAMING PLAN
S-200	FRAMING ELEVATIONS
S-201	FRAMING ELEVATIONS
S-300	SLAB ON GRADE SECTIONS AND DETAILS
S-301	DEEP FOUNDATION SCHEDULES, SECTIONS AND DETAILS
S-302	FOUNDATION SECTIONS AND DETAILS
S-302a	FOUNDATION SECTIONS AND DETAILS
S-303	GRADE BEAM SECTIONS AND DETAILS
S-401	ANNEX ENLARGED FRAMING PLAN AND DETAILS
S-402	SERVICE WING ENLARGED FRAMING PLAN AND DETAILS
S-500	BASE PLATE DETAILS
S-501	STEEL CONNECTION DETAILS - DELEGATED DESIGN
S-501A	STEEL CONNECTION DETAILS - DELEGATED DESIGN

SHEET MATRIX

C0-01	GENERAL NOTES
S-502	STEEL SECTIONS AND DETAILS
S-503	STEEL BRACED FRAME DETAILS
S-504	STEEL TRUSS DETAILS
S-600	MASONRY DETAILS
S-601	MASONRY DETAILS
006 - ABATEMENT	
ASB-1	ASBESTOS ABATEMENT DESIGN PLAN
ASB-2	ASBESTOS ABATEMENT DESIGN PLAN
ASB-3	ASBESTOS ABATEMENT DESIGN PLAN
ASB-4	ASBESTOS ABATEMENT DESIGN PLAN
LBP-1	LEAD-BASED PAINT MITIGATION/ABATEMENT DESIGN PLAN
007 - ADA	
ADA.00B	MOUNTING HEIGHTS AND REACH RANGE REQUIREMENTS
ADA.01	EXTERIOR SIGN DETAILS
ADA.02	INTERIOR SIGN DETAILS
ADA.03	PERMANENT ROOM IDENTIFICATION SIGNS DETAILS
ADA.04	ACCESSIBLE PARKING DETAILS
ADA.08	DOOR AND LOCKER DETAILS
ADA.09	CASEWORK DETAILS
ADA.9.1	SCIENCE LAB CASEWORK DETAILS
ADA.10	ACCESSIBLE MOUNTING HEIGHTS AND SCHEDULE
ADA.10.1	ACCESSIBLE STALL AND URINAL LAYOUTS
ADA.11.1	ACCESSIBLE ES, HS AND ADULT TOILET ROOM PLANS AND ELEVATIONS
ADA.12	ACCESSIBLE SHOWER PLANS AND ELEVATIONS
ADA.13	ACCESSIBLE SHOWER DETAILS
ADA.15	DRINKING FOUNTAIN DETAILS
ADA.17.1	(FRONT DOOR ONLY) HYDRAULIC PASSENGER ELEVATOR DETAILS
ADA.17.9	TYPICAL ELEVATOR CONTROL DETAILS
ADA.18.2	VERTICAL PLATFORM LIFT DETAILS
008 - ARCHITECTURE	
A-010A	DEMO SITE PLAN
A-010B	SITE PLAN
A-100A	ANNEX FLOOR PLAN - LEVEL 1
A-100B	ANNEX RCP - LEVEL 1
A-101A	SERVICE WING DEMOLITION PLAN - LEVEL 1
A-101B	SERVICE WING FLOOR PLAN - LEVEL 1
A-101C	SERVICE WING DEMO RCP - LEVEL 1
A-101D	SERVICE WING RCP - LEVEL 1
A-102A	CLRM WING DEMOLITION PLAN & RCP- LEVEL 1
A-102B	CLRM WING FLOOR PLAN & RCP - LEVEL 1
A-103A	CLRM WING DEMOLITION PLAN & RCP - LEVEL 2
A-103B	CLRM WING FLOOR PLAN & RCP - LEVEL 2
A-104A	CLRM WING DEMOLITION PLAN & RCP - LEVEL 3
A-104B	CLRM WING FLOOR PLAN & RCP - LEVEL 3
A-105	ROOF PLAN ANNEX
A-106A	DEMOLITION ROOF PLAN SERVICE WING
A-106B	ROOF PLAN SERVICE WING
A-107	ROOF PLANS CLRM WING
A-200	ANNEX ENLARGED LOBBY PLAN & RCP
A-201	ANNEX ENLARGED CORRIDOR PLAN & RCP
A-202	ANNEX ENLARGED HALLWAY LINK PLAN & RCP
A-203A	ANNEX ENLARGED GYMNASIUM PLAN
A-203B	ANNEX ENLARGED GYMNASIUM RCP
A-204	ANNEX ENLARGED COMMUNITY ROOM PLAN & RCP
A-205	ANNEX ENLARGED BATHROOM PLAN AND RCP
A-206	SERVICE WING ENLARGED TOILET ROOM PLAN AND RCP
A-207	SERVICE WING ENLARGED ADMIN SUITE PLAN & RCP
A-208	CLRM WING ENLARGED TOILET ROOM PLANS
A-208A	CLRM WING ENLARGED TOILET ROOM PLANS
A-208B	CLRM WING ENLARGED TOILET ROOM PLANS
A-209	CLRM WING ENLARGED TOILET ROOM PLANS
A-209A	CLRM WING ENLARGED TOILET ROOM PLANS
A-210	CLRM WING ENLARGED OFFICE SUITE 103/101 PLAN & RCP
A-220	CLRM WING ENLARGED OFFICE SUITE 102/104 PLAN & RCP
A-221	CLRM WING ENLARGED MULTIPURPOSE ROOM 105 & 107 PLAN & RCP
A-222	CLRM WING ENLARGED COMPUTER ROOM 201 PLAN & RCP
A-223	CLRM WING ENLARGED MULTI-PURPOSE 202 PLAN & RCP
A-224	CLRM WING ENLARGED SENSORIAL SPACE 211 PLAN & RCP
A-225	CLRM WING ENLARGED DANCE ROOM 213 PLAN & RCP
A-226	CLRM WING ENLARGED ROOMS 302 & 304 PLAN & RCP
A-227	CLRM WING ENLARGED CLRM 306 & PULL OUT RM PLAN & RCP
A-228	CLRM WING ENLARGED SCIENCE LAB 309/STORAGE 307 PLAN & RCP
A-229	CLRM WING ENLARGED RESOURCE ROOM 310 & GAME ROOM 312 PLAN & RCP
A-230	CLRM WING ENLARGED MUSIC ROOM 311 PLAN & RCP
A-231	CLRM WING ENLARGED VISUAL ARTS ROOM 313 PLAN & RCP
A-232	CLRM WING ENLARGED TYPICAL SOUTH CLRM PLAN & RCP
A-233	CLRM WING ENLARGED STAIR PLAN & RCP
A-300	ANNEX CORRIDOR INTERIOR ELEVATIONS
A-301	ANNEX COMMUNITY ROOM AND CORRIDOR INTERIOR ELEVATIONS
A-301B	ANNEX HALLWAY LINK AND SERVICE CORRIDOR INTERIOR ELEVATIONS
A-302	ANNEX GYMNASIUM INTERIOR ELEVATIONS
A-303	ANNEX GYMNASIUM INTERIOR ELEVATIONS
A-303A	ANNEX INTERIOR BATHROOM ELEVATIONS

SHEET MATRIX

C0-01	GENERAL NOTES
A-303B	ANNEX GYMNASIUM OFFICE INTERIOR ELEVATIONS
A-304	SERVICE WING INTERIOR ELEVATIONS
A-305	SERVICE WING INTERIOR BATHROOM ELEVATIONS
A-305A	SERVICE WING INTERIOR GYM ELEVATIONS
A-306	CLRM WING INTERIOR BATHROOM ELEVATIONS
A-307	CLRM WING INTERIOR ELEVATIONS - LEVEL 1
A-307B	CLRM WING INTERIOR ELEVATIONS - LEVEL 1
A-308	CLRM WING INTERIOR ELEVATIONS - LEVEL 2
A-308B	CLRM WING INTERIOR ELEVATIONS - LEVEL 2
A-309	CLRM WING INTERIOR ELEVATIONS - LEVEL 3
A-309A	CLRM WING INTERIOR ELEVATIONS - LEVEL 3
A-309B	CLRM WING INTERIOR ELEVATIONS - LEVEL 3
A-309C	CLRM WING INTERIOR ELEVATIONS - LEVEL 3
A-400	ANNEX BUILDING ELEVATION
A-400A	ENLARGED ELEVATIONS
A-400B	ENLARGED ELEVATIONS
A-400C	ENLARGED ELEVATIONS
A-401	CLRM WING BUILDING ELEVATIONS - SOUTH
A-402	CLRM WING BUILDING ELEVATIONS - NORTH
A-403	CLRM WING BUILDING ELEVATIONS - WEST
A-404	SERVICE WING BUILDING ELEVATIONS
A-410	ANNEX BUILDING SECTIONS
A-411	ANNEX BUILDING SECTIONS
A-420	WALL SECTIONS
A-421	WALL SECTIONS
A-422	WALL SECTIONS
A-423	WALL SECTIONS
A-424	WALL SECTIONS
A-430	EXTERIOR DETAILS
A-431	EXTERIOR DETAILS
A-432	EXTERIOR DETAILS
A-433	EXTERIOR DETAILS
A-434	EXTERIOR DETAILS
A-444	RTU PLANS & ELEVATIONS
A-445	ROOF & RTU SCREENWALL DETAILS
A-446	ROOF DETAILS
A-447	EXTERIOR SITE DETAILS
A-500	WALL PARTITION
A-501A	DOOR SCHEDULE
A-501B	DOOR DETAILS
A-502	FINISH NOTES AND SCHEDULE
A-503	FINISH LEGEND, PLUMBING, SPECIALTY EQP SCHEDULE
A-504	INTERIOR SIGNAGE SCHEDULE
A-505	DRINKING FOUNTAINS
A-600	HOISTWAY PLANS & SECTIONS
A-601	HOISTWAY DETAILS
A-700	INTERIOR DETAILS
A-701	INTERIOR DETAILS
A-702	INTERIOR DETAILS
A-702A	INTERIOR DETAILS
A-703	MILLWORK DETAILS
A-704	MILLWORK DETAILS
ID-010	ANNEX - FLOOR FINISH PLAN
ID-011	ANNEX - WALL FINISH PLANS
ID-012	SERVICE WING - FLOOR FINISH PLAN
ID-013	SERVICE WING - WALL FINISH PLAN
ID-014	CLRM WING - FLOOR & WALL FINISH PLANS
ID-015	CLRM WING - FLOOR & WALL FINISH PLANS
ID-016	CLRM WING - FLOOR & WALL FINISH PLANS
ID-020	FINISH AND FURNITURE PLANS
ID-021	FINISH AND FURNITURE PLANS
ID-022	FINISH AND FURNITURE PLANS
009 - MECHANICAL	
M-000	MECHANICAL LEGENDS, NOTES & ABBREVIATIONS
M-001	MECHANICAL CITY OF CHICAGO SCHEDULES
MD-201	SERVICE WING LEVEL 1 - HVAC DEMO PLAN
MD-202	CLRM WING LEVEL 1 - HVAC DEMO PLAN
MD-203	CLRM WING LEVEL 2 - HVAC DEMO PLAN
MD-204	CLRM WING LEVEL 3 - HVAC DEMO PLAN
MD-206	SERVICE WING ROOF - HVAC DEMO PLAN
MD-207	CLRM WING ROOF - HVAC DEMO PLAN
M-200	ANNEX LEVEL 1 - HVAC FLOOR PLAN
M-200A	ANNEX LEVEL 1 - HVAC RETURN AIR PLENUM FLOOR PLAN
M-201	SERVICE WING LEVEL 1 - HVAC FLOOR PLAN
M-202	CLRM WING LEVEL 1 - HVAC FLOOR PLAN
M-203	CLRM WING LEVEL 2 - HVAC FLOOR PLAN
M-204	CLRM WING LEVEL 3 - HVAC FLOOR PLAN
M-205	ANNEX - HVAC ROOF PLAN
M-206	SERVICE WING - HVAC ROOF PLAN
M-207	CLRM WING - HVAC FLOOR PLAN
M-301	ANNEX & SERVICE WING LEVEL 1 - HVAC PIPING PLAN
M-600	MECHANICAL ONE LINE DIAGRAM
M-700	MECHANICAL DETAILS
M-701	MECHANICAL DETAILS
M-800	MECHANICAL SCHEDULES
M-801	MECHANICAL SCHEDULES
M-900	BAS - GENERAL SYMBOLS & ABBREVIATIONS
M-901	BAS - GENERAL DETAILS
M-902	BAS - GENERAL RISER DIAGRAM
M-903	BAS - EXHAUST FANS, HEATERS & MISCELLANEOUS
M-904	BAS - VAV AND CAV BOXES
M-905	BAS - VRF CONTROLS

SHEET MATRIX

C0-01	GENERAL NOTES
M-906	BAS - MAU S-3
M-907	BAS - RTU-4
M-908	BAS - RTU-3 & RTU-5
010 - ELECTRICAL	
E-000	ELECTRICAL LEGENDS, NOTES & ABBREVIATIONS
E-001	LIGHTING CONTROL DIAGRAM AND NOTES
E-010	ELECTRICAL SITE PLAN
E-201	FIRST FLOOR POWER PLAN - SERVICE WING
E-201A	FIRST FLOOR MECHANICAL POWER PLAN - SERVICE WING
E-202	FIRST FLOOR POWER PLAN - CLRM WING
E-202A	FIRST FLOOR MECHANICAL POWER PLAN - CLRM WING
E-203	SECOND FLOOR POWER PLAN - CLRM WING
E-203A	SECOND FLOOR MECHANICAL POWER PLAN - CLRM WING
E-204	THIRD FLOOR POWER PLAN - CLRM WING
E-204A	THIRD FLOOR MECHANICAL POWER PLAN - CLRM WING
E-205	ROOF LEVEL MECHANICAL POWER PLAN
E-206	ROOF LEVEL MECHANICAL POWER PLAN
E-301	FIRST FLOOR LIGHTING PLAN SERVICE WING
E-302	FIRST FLOOR LIGHTING PLAN - CLRM WING
E-303	SECOND FLOOR LIGHTING PLAN - CLRM WING
E-304	THIRD FLOOR LIGHTING PLAN - CLRM WING
E-310	FIRST FLOOR LIGHTING PHOTOMETRICS - SERVICE WING
E-500	PARTIAL PLANS
E-600	ELECTRICAL ONE LINE DIAGRAM
E-700	ELECTRICAL DETAILS
E-701	ELECTRICAL DETAILS
E-702	ELECTRICAL DETAILS
E-703	ELECTRICAL DETAILS
E-704	ELECTRICAL DETAILS
E-705	ELECTRICAL DETAILS
E-706	ELECTRICAL DETAILS
E-707	LIGHTING CONTROL DIAGRAM AND NOTES
E-800	ELECTRICAL SCHEDULES
E-801	ELECTRICAL SCHEDULES
ED-201	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - SERVICE WING
ED-202	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - CLRM WING
ED-203	SECOND FLOOR ELECTRICAL DEMOLITION PLAN - CLRM WING
ED-204	THIRD FLOOR ELECTRICAL DEMOLITION PLAN - CLRM WING
ED-301	FIRST FLOOR LIGHTING DEMOLITION PLAN - SERVICE WING
ED-302	FIRST FLOOR LIGHTING DEMOLITION PLAN - CLRM WING
ED-303	SECOND FLOOR LIGHTING DEMOLITION PLAN - CLRM WING
ED-304	THIRD FLOOR LIGHTING DEMOLITION PLAN - CLRM WING
011 - PV	
PV-000	PHOTOVOLTAIC COVER SHEET
PV-205	ANNEX - PV ROOF LAYOUT PLAN
PV-205.1	STRINGING AND CONDUIT PLAN
PV-500	ENLARGED ELECTRICAL PLAN
PV-600	SINGLE LINE DIAGRAM
PV-601	PV SIGNAGE
PV-700	CONSTRUCTION DETAILS
PV-701	GROUNDING DETAILS
PV-800	EQUIPMENT DATA SHEETS (1 OF 2)
PV-801	EQUIPMENT DATA SHEETS (2 OF 2)
012 - PLUMBING	
P-000	PLUMBING LEGENDS, NOTES & ABBREVIATIONS
PD-100	PLUMBING DEMOLITION PLAN - SERVICE WING
PD-201	FIRST FLOOR PLUMBING DEMOLITION PLAN - SERVICE WING
PD-202	FIRST FLOOR PLUMBING DEMOLITION PLAN - CLRM WING
PD-203	SECOND FLOOR PLUMBING DEMOLITION PLAN - CLRM WING
PD-204	THIRD FLOOR PLUMBING DEMOLITION PLAN - CLRM WING
PD-205	ROOF LEVEL PLUMBING DEMOLITION PLAN
P-100A	PLUMBING UNDERFLOOR PLAN - SERVICE WING - NEW WORK
P-100B	PLUMBING UNDERFLOOR PLAN - CLRM WING
P-201	FIRST FLOOR PLUMBING PLAN - SERVICE WING - NEW WORK
P-202	FIRST FLOOR PLUMBING PLAN - CLRM WING - NEW WORK
P-203	SECOND FLOOR PLUMBING PLAN - CLRM WING - NEW WORK
P-204	THIRD FLOOR PLUMBING PLAN - CLRM WING - NEW WORK
P-205	ROOF LEVEL PLUMBING PLAN - NEW WORK
P-300	PLUMBING 3D RISER DIAGRAM - CLRM WING
P-500	PLUMBING ENLARGED VIEWS
P-700	PLUMBING DETAILS
P-701	PLUMBING DETAILS
P-800	PLUMBING SCHEDULES
013 - FIRE PROTECTION	
FP-000	FIRE PROTECTION LEGENDS, NOTES & ABBREVIATIONS
FP-101	FIRST FLOOR FIRE PROTECTION PLAN - SERVICE WING
FP-200	FIRE PROTECTION DETAILS AND SCHEDULES
014 - MEP COORDINATION	
MEP-100	ANNEX LEVEL 1 - MEP COORDINATION
MEP-101	SERVICE WING LEVEL 1 - MEP COORDINATION
MEP-102	CLRM WING LEVEL 1 - MEP COORDINATION
MEP-103	CLRM WING LEVEL 2 - MEP COORDINATION
MEP-104	CLRM WING LEVEL 3 - MEP COORDINATION
MEP-205	ANNEX ROOF PLAN - MEP COORDINATION
MEP-206	SERVICE WING ROOF PLAN - MEP COORDINATION
MEP-207	CLRM WING ROOF PLAN - MEP COORDINATION

302

PUBLIC BUILDING COMMISSION

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

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CHICAGO, IL 60612

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

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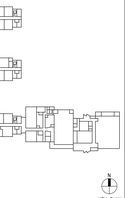
REVISIONS

NO.	DATE	DESCRIPTION
2	02/10/23	100% DD
3	04/07/23	75% CD
4	04/28/23	100% CD
5	05/04/23	IFB
6	05/19/23	ADDENDUM 01
7	05/26/23	ADDENDUM 02
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

SCALE: 12" = 1'-0"



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

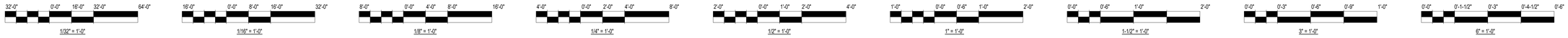
Project No: 2138

Title

COVER SHEET

Sheet NOT FOR CONSTRUCTION

COVER

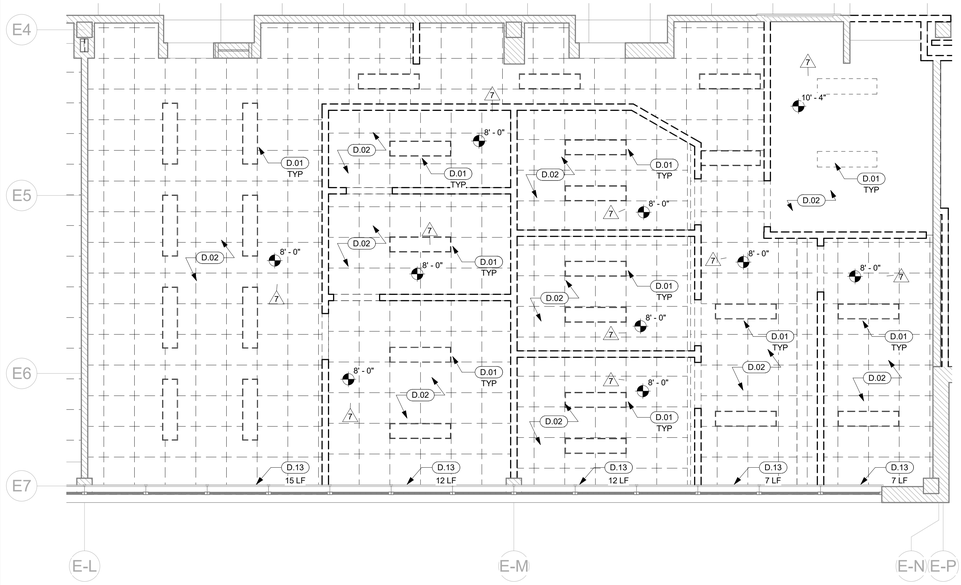


LEGEND

- WALL TO BE DEMOLISHED, INCLUDING FRAMING, WALL FINISHES, RECEPTACLES, FIXTURES, CONCEALED CONDUIT, PLUMBING, MECHANICAL, FIRE PROTECTION AND ELECTRICAL SYSTEMS
- GLAZING, FRAMES, MULLIONS, FLASHING AND ASSOCIATED ASSEMBLY ITEMS TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING CURTAIN WALL SYSTEM TO REMAIN
- EXISTING WINDOW TO REMAIN
- DOOR TO BE REMOVED (INCLUDING FRAME, HARDWARE, PANEL(S),THRESHOLDS, AND RELATED ITEMS)
- SLAB TO BE DEMOLISHED, SEE STRUCTURAL DRAWINGS

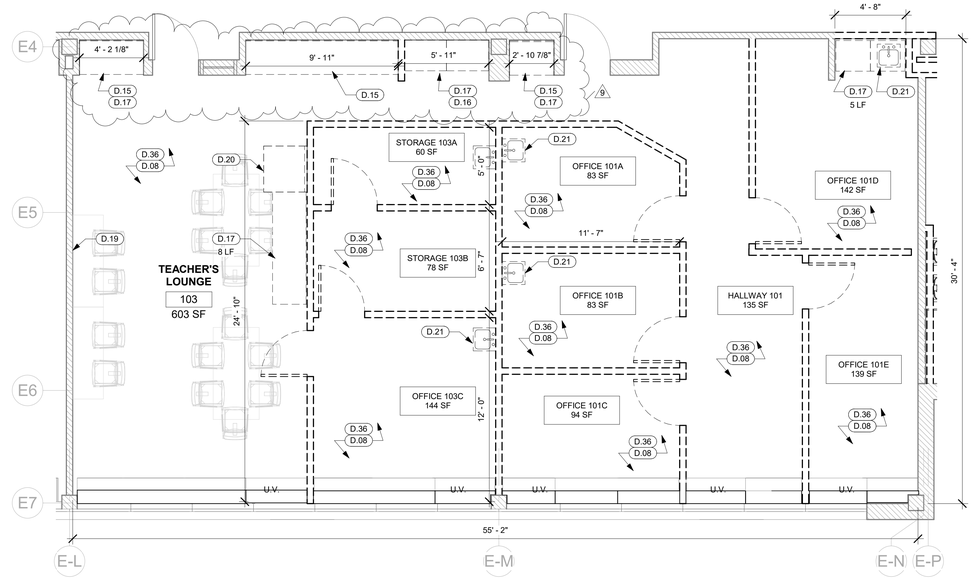
LEGEND

- NEW CONSTRUCTION
- EXISTING WALL TO REMAIN
- EXISTING CURTAIN WALL SYSTEM TO REMAIN
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO REMAIN
- NEW DOOR
- RAISED ACCESS FLOOR



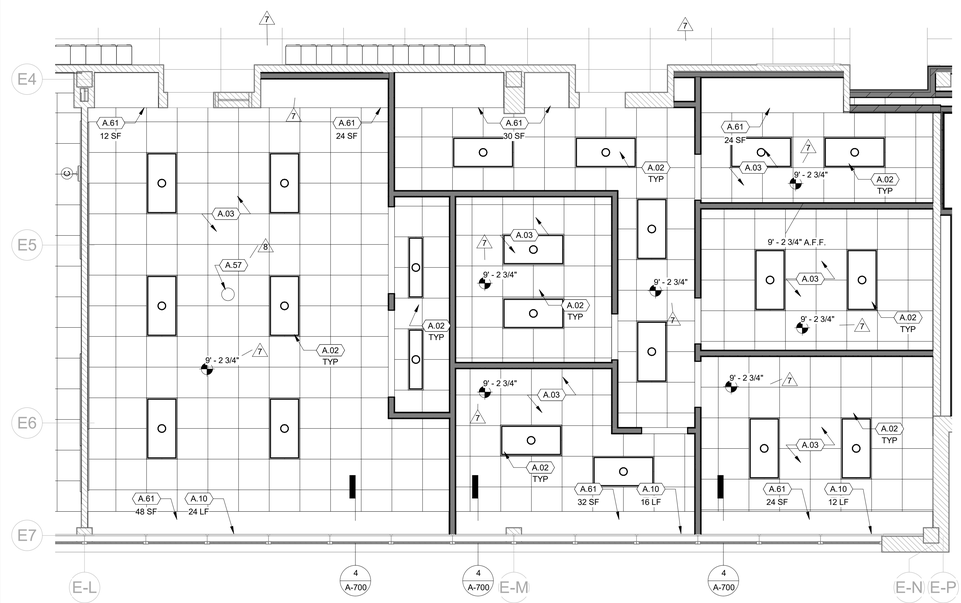
4 OFFICE SUIT DEMO RCP

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



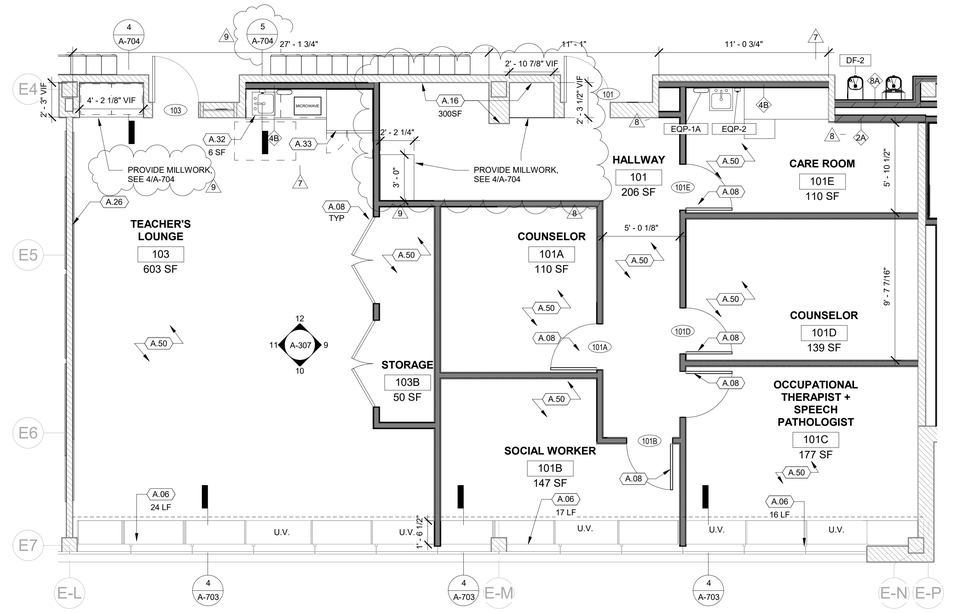
3 OFFICE SUITE DEMO PLAN

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



2 OFFICE SUIT RCP

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



1 OFFICE SUIT PLAN

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

KEYED NOTES - DEMO

TAG INFO	DEMO NOTE
D.01	REMOVE LIGHT FIXTURES AND UNISTRUT. SEE ELECTRICAL
D.02	REMOVE ACT CEILING, ASSOCIATED GRID, AND GYPSUM CEILING SOFFIT ASSEMBLIES IN THEIR ENTIRETY. REMOVE ALL CEILING MOUNTED EQUIPMENT. SEE ELECTRICAL.
D.06	REMOVE DOOR AND FRAME. PATCH AND REPAIR AT AREA OF DEMOLITION
D.08	REMOVE VCT FLOORING AND ADHESIVE DOWN TO STRUCTURE TO REMAIN, PREPARE SLAB FOR NEW FINISH
D.13	REMOVE WINDOW TREATMENTS
D.14	REMOVE TACKABLE SURFACE
D.15	REMOVE EXISTING PIVOT DOORS, SHELVES, HOOKS, BASE PLATE, AND ALL ASSOCIATED HARDWARE. PATCH AND REPAIR FLOOR AND WALLS (ASSUME 5 SF OF EACH)
D.16	REMOVE EXISTING LAMINATE COUNTERTOP. REMOVE EXISTING HARDBOARD IN ALCOVE
D.17	REMOVE BASE CABINET, ASSOCIATED TRIM AND ACCESSORIES TO EXTENTS SHOWN
D.19	REMOVE WALL MOUNTED CHALKBOARD INCLUDING ALL ASSOCIATED FASTENERS/MASTIC. WHERE PRESENT, SALVAGE TV FOR REINSTALLATION
D.20	REMOVE AND SALVAGE EXISTING REFRIGERATOR FOR REINSTALLATION.
D.21	REMOVE SINK, FAUCET, AND ASSOCIATED PLUMBING
D.22	REMOVE CARPET DOWN TO EXISTING SUBSTRATE TO REMAIN
D.23	REMOVE WALL OR FLOOR MOUNTED RACEWAY
D.24	SALVAGE PARTIAL HEIGHT DANCE MIRRORS FOR REINSTALLATION
D.25	REMOVE WATER FOUNTAIN. SEE PLUMBING
D.26	REMOVE EXISTING CONCRETE FLOOR SLAB, SEE STRUCTURAL
D.27	AT EXISTING TOILET ROOMS, REMOVE ALL SINKS, TOILETS, URINALS, WALL MOUNTED FIXTURES, TOILET PARTITIONS, ACCESSORIES AND THE LIKE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
D.28	REMOVE EXISTING SERVICE COUNTER AND GATE (4 SF). Patch floor (VCT) at counter demolition area (15 SF)
D.29	REMOVE EXISTING AI PHONE
D.30	REMOVE CONCRETE SLAB, SEE STRUCTURAL
D.31	REMOVE MECHANICAL EQUIPMENT INCLUDING ALL ASSOCIATED PIPING AND ELECTRICAL WIRING. SEE MEPFP
D.32	REMOVE MECHANICAL VENT. SEE MECHANICAL. PATCH AND REPAIR CEILING AT AREA OF REMOVAL. PAINT ENTIRE STAGE CEILING.
D.33	REMOVE SINK AND FAUCET. PLUMBING TO REMAIN
D.34	REMOVE QUARRY FLOOR/BASE TILE DOWN TO LOWEST SUITABLE SUBSTRATE
D.35	REMOVE CMU WALL TO EXTENTS SHOWN
D.36	REMOVE EXISTING RUBBER WALL BASE. CLEAN, PATCH AND REPAIR AT AREA OF REMOVAL. PREP TO RECEIVE NEW BASE
D.37	REMOVE CERAMIC TILE DOWN TO LOWEST SUITABLE SUBSTRATE
D.38	REMOVE AND UNFASTEN KEYBOARDS AND WOODBOARDS
D.39	FILL IN AND SAND WALL BASE GROUT LINES.

KEYED NOTES - EXISTING ARCH

TAG INFO	ARCH NOTE
A.01	EXISTING FIXTURES TO REMAIN. REPLACE EXISTING FLUORESCENT LAMPS TO BE LED THROUGHOUT. SEE ELECTRICAL
A.02	PROVIDE LIGHTING FIXTURES. SEE ELECTRICAL
A.03	PROVIDE 2x2 ACT CEILING AND GRID SYSTEM
A.06	REPAIR DAMAGED METAL WINDOW SILL PANELS. PROVIDE FASTENERS WHERE MISSING AND REPLACE WHERE NECESSARY
A.08	PROVIDE DOOR AND FRAME AS SCHEDULED. SEE A-501
A.09	REFINISH WOOD DOOR AND FRAME AS SCHEDULED. SEE A-501
A.10	PROVIDE CPS STANDARD WINDOW SHADES
A.12	CLEAN EXISTING WALL BASE TILE AND GROUT LINES
A.15	REMOVE DAMAGED SGT & PROVIDE SGT TO MATCH EXISTING. GROUT TO MATCH EXISTING
A.16	PATCH AND REPAIR CMU WALL
A.17	REPAIR EXISTING MILLWORK. REFER TO SHEETS 2/A-703 AND 1/A-703
A.18	REPAIR EXISTING MILLWORK. REFER TO SHEET 6/A-703
A.19	PROVIDE LAMINATE COUNTERTOP. PROVIDE CPS STANDARD TACKBOARD ABOVE COUNTER.
A.21	SAND, REFINISH, AND SEAL WOODEN BASE CABINET DOORS, DRAWERS, FRAMES, INTERIOR AND SHELVES.
A.22	PROVIDE CPS STANDARD DOUBLE STACKED METAL STUDENT LOCKERS (12"x15"x66" [472]) WITH SLOPED TOP. ASSUME 5% ADA LOCKERS.
A.26	REINSTALL SALVAGED TV AND PROVIDE MARKER AND TACK BOARDS, SEE 6/A-307 FOR TYPICAL CONDITION
A.27	REINSTALL SALVAGED TV
A.29	PROVIDE SECONDARY TEACHING WALL WITH CPS STANDARD MARKERBOARD AND TACKBOARDS
A.31	PROVIDE SUSPENDED GYPSUM BOARD CEILING
A.32	PROVIDE STAINLESS STEEL DROP SINK MOUNTED IN CASEWORK AT ADULT HEIGHT. PROVIDE CPS REQUIRED ACCESSORIES
A.33	REINSTALL SALVAGED REFRIGERATOR
A.35	RELOCATE CONDUITS AND PIPES AS REQUIRED FOR NEW RTU
A.37	PROVIDE 8' HEIGHT CONTINUOUS MIRRORS AND CPS REQUIRED PERMANENTLY FLOOR MOUNTED MULTI-HEIGHT DANCE BARRES
A.38	INSTALL SALVAGED PARTIAL HEIGHT DANCE MIRRORS
A.39	PROVIDE UTILITY SINK WITH SOLIDS INTERCEPTOR. SEE PLUMBING
A.40	PROVIDE DOUBLE HEIGHT SINKS MOUNTED IN CASEWORK, ONE AT CHILD HEIGHT AND ONE AT ADULT HEIGHT. PROVIDE SOAP AND PAPER TOWEL DISPENSERS.
A.41	PROVIDE EQUIPMENT OR ACCESSORY, SEE EQUIPMENT SCHEDULE ON SHEET A-503
A.43	CPS PROVIDED FURNITURE. OWNER FURNISHED, OWNER INSTALLED. SEE ID SHEETS AND SCHEDULE
A.44	PROVIDE COMPACT REFRIGERATOR UNDER BASE CABINET
A.46	PROVIDE TEACHERS DEMONSTRATION DESK WITH LOCKABLE BASE CABINETRY, SEE ADA 9.1 FOR DETAIL
A.47	PROVIDE DRINKING FOUNTAIN WITH BOTTLE FILLER. SEE PLUMBING
A.48	PROVIDE CPS STANDARD SERVICE COUNTER AND ACCESSIBLE DOUBLE HINGED GATE. REPAIR 5 SF SGT WALLS AT COUNTER AND GATE DEMOLISHED AREAS
A.49	PROVIDE DRINKING FOUNTAIN. SEE PLUMBING
A.50	PROVIDE SCHEDULED FLOORING AND BASE
A.54	INFILL MASONRY WALL. TOOTH INTO EXISTING AND REFINISH TO MATCH ADJACENT SURFACES
A.55	PROVIDE UPGRADED IX MODEL AIPHONE AT LOCATION OF REMOVED UX SYSTEM. PROVIDE 5 SF MASONRY PATCH AND REPAIR AT AREA OF REMOVAL. SEE ELECTRICAL
A.56	CLEAN, PREP, AND PAINT IN EXISTING GYP CEILING WITHIN EXTENTS SHOWN
A.57	PROVIDE ELECTRICAL DEVICE, SEE ELECTRICAL.
A.58	PROVID CPS STANDARD WALL MOUNTED CLOCK
A.59	PROVIDE CURTAIN AND CURTAIN TRACK
A.60	PATCH AND REPAIR FLOOR CONCRETE SLAB AT AREA OF DEMOLITION
A.61	REPAINT AND REFINISH EXISTING CONCRETE STRUCTURE
A.62	CLEAN EXISTING WALL BASE TILE AND GROUT
A.63	MAIL SORTER CASEWORK WITH PLAM COUNTER TOP.
A.64	PATCH AND REFINISH WINDOW FRAMES AT ROLLER SHADE DEMOLITION.
A.65	PROVIDE RUBBER WALL BASE TO MATCH EXISTING
A.66	REMOVE, SALVAGE AND REINSTALL BASKETBALL GOAL AND HOOP SYSTEM
A.67	PROVIDE MECHANICAL EQUIPMENT, SEE MECHANICAL
A.68	PROVIDE CABINETS WITH EPOXY COUNTER TOPS
A.69	PROVIDE METAL CASEWORK TO MATCH EXISTING.
A.70	SALVAGE AND REINSTALL LIGHTING FIXTURES
A.71	PROVIDE MOTORIZED DIVIDER CURTAIN
A.72	SALVAGE CEILING AND REINSTALL. ASSUME 10% TILE REPLACEMENT. REPLACE GRID AS REQ AT NEW WALLS
A.73	PROVIDE PAINTED LINTEL OR BOND BEAM

GENERAL NOTES:

SEE SHEET G-001 FOR GENERAL NOTES AND DEMOLITION NOTES

PUBLIC BUILDING COMMISSION OF CHICAGO

Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
CHICAGO, IL 60612

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

Architect of Record:
KOO LLC
55 WACKER DR,
STE 600C
CHICAGO, IL 60601
312-235-0920 PH

MEPFP ENGINEER
WSP
30 N LaSalle Street Suite 4200
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STRUCTURAL ENGINEER
Milhouse Engineering & Construction
333 South Wabash Avenue
Chicago, IL 60604

CIVIL ENGINEER
TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654

LANDSCAPE ARCHITECT
TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654

ENVIRONMENTAL ENGINEER
Environmental Design International
33 W Monroe ST #1825
Chicago, IL 60603

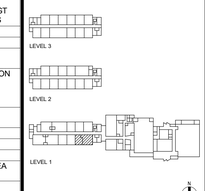
ENVIRONMENTAL RENO/DEMO
Specialty Consulting Inc.
2942 W Van Buren St
Chicago, IL 60612

REVISIONS

NO.	DATE	DESCRIPTION
3	04/07/23	75% CD
4	04/28/23	100% CD
5	05/04/23	IFB
7	05/26/23	ADDENDUM 02
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

SCALE: As indicated



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

CLRM WING ENLARGED OFFICE SUITE 103/101 PLAN & RCP

Sheet NOT FOR CONSTRUCTION

A-210

1/32" = 1'-0" | 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 1" = 1'-0" | 1-1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

LEGEND

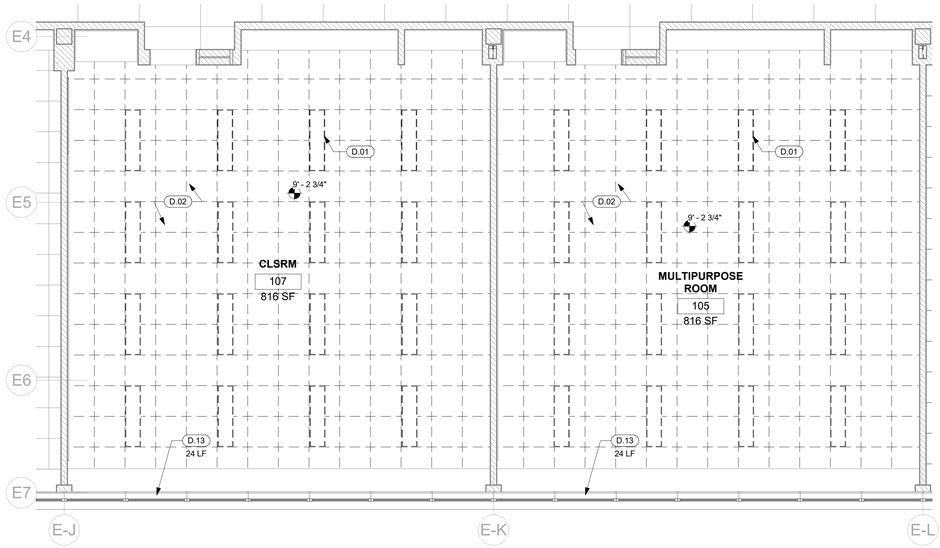
- WALL TO BE DEMOLISHED, INCLUDING FRAMING, WALL FINISHES, RECEPTACLES, FIXTURES, CONCEALED CONDUIT, PLUMBING, MECHANICAL, FIRE PROTECTION AND ELECTRICAL SYSTEMS
- GLAZING, FRAMES, MULLIONS, FLASHING AND ASSOCIATED ASSEMBLY ITEMS TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING CURTAIN WALL SYSTEM TO REMAIN
- EXISTING WINDOW TO REMAIN
- DOOR TO BE REMOVED (INCLUDING FRAME, HARDWARE, PANEL(S),THRESHOLDS, AND RELATED ITEMS)
- SLAB TO BE DEMOLISHED, SEE STRUCTURAL DRAWINGS

LEGEND

- NEW CONSTRUCTION
- EXISTING WALL TO REMAIN
- EXISTING CURTAIN WALL SYSTEM TO REMAIN
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO REMAIN
- NEW DOOR
- RAISED ACCESS FLOOR

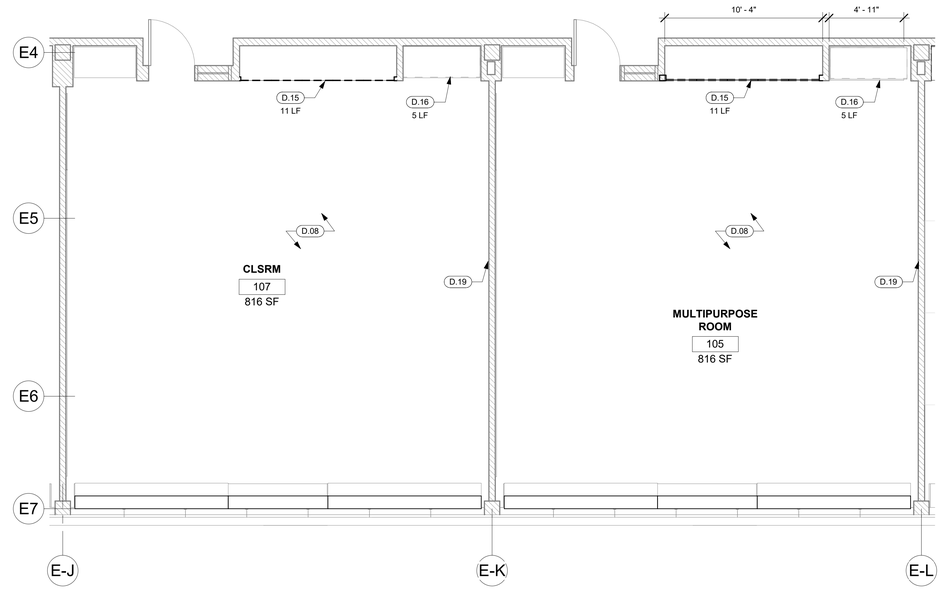
GENERAL NOTES

1. CLEAN WALL TILES AND GROUT BASE OF HALLWAYS THROUGHOUT (ASSUM 1890 LF)
2. CLEAN WALL TILES AND GROUT BASE OF CLASSROOMS AND OFFICES THROUGHOUT (ASSUME 3000SF)
3. REPLACE DAMAGED ACP PANELS THROUGHOUT. REVIEW FOR WATER DAMAGE (ASSUME 200 SF)



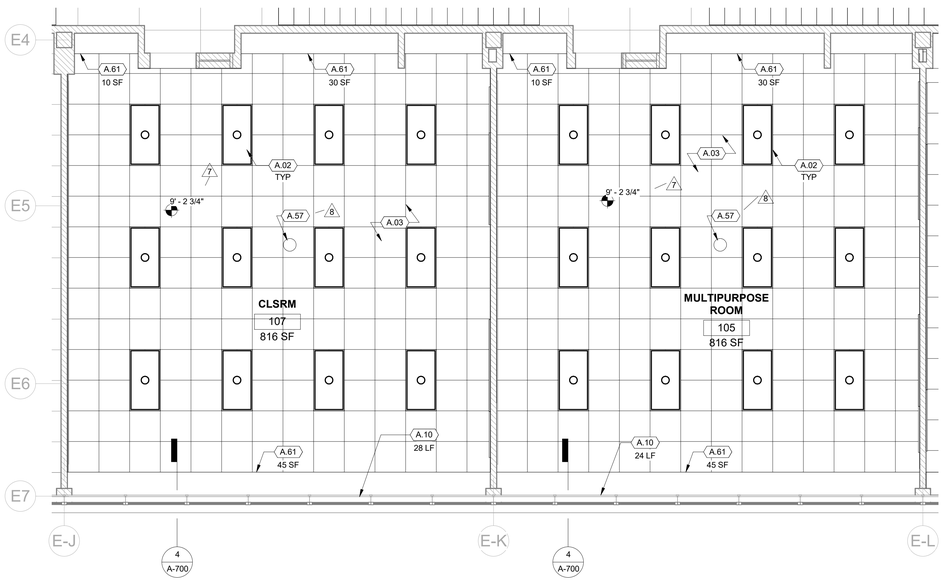
4 MULTIPURPOSE ROOM 105 DEMOLITION RCP

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



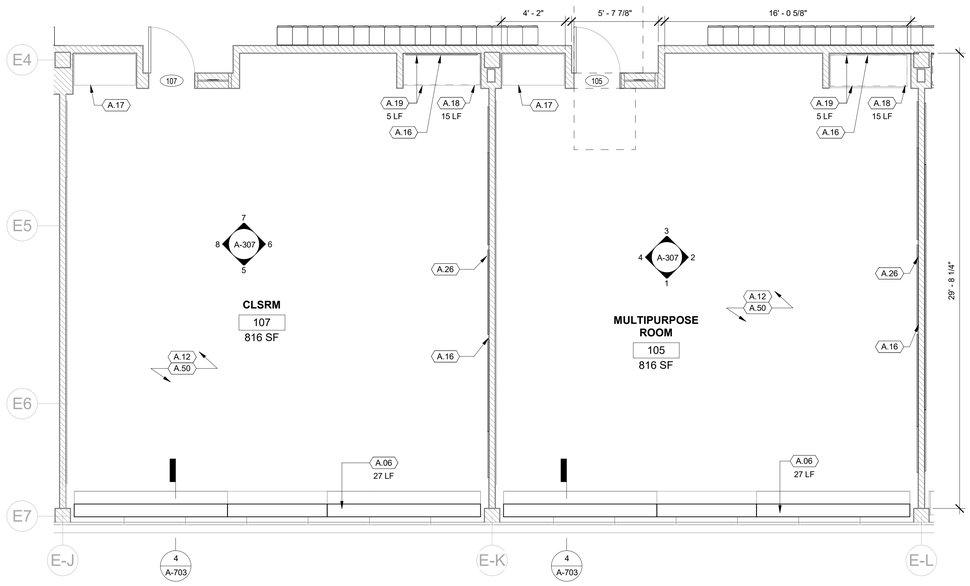
3 MULTIPURPOSE ROOM 105 & CLRM 107 DEMOLITION PLAN

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



2 MULTIPURPOSE ROOM 105 & CLRM 107 RCP

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



1 MULTIPURPOSE ROOM 105 & CLRM 107

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

KEYED NOTES - DEMO

TAG INFO	DEMO NOTE
D.01	REMOVE LIGHT FIXTURES AND UNISTRUT. SEE ELECTRICAL
D.02	REMOVE ACT CEILING, ASSOCIATED GRID, AND GYPSUM CEILING SOFFIT ASSEMBLIES IN THEIR ENTIRETY. REMOVE ALL CEILING MOUNTED EQUIPMENT. SEE ELECTRICAL
D.06	REMOVE DOOR AND FRAME. PATCH AND REPAIR AT AREA OF DEMOLITION
D.08	REMOVE VCT FLOORING AND ADHESIVE DOWN TO STRUCTURE TO REMAIN. PREPARE SLAB FOR NEW FINISH
D.13	REMOVE WINDOW TREATMENTS
D.14	REMOVE TACKABLE SURFACE
D.15	REMOVE EXISTING PIVOT DOORS, SHELVES, HOOKS, BASE PLATE, AND ALL ASSOCIATED HARDWARE. PATCH AND REPAIR FLOOR AND WALLS (ASSUME 5 SF OF EACH)
D.16	REMOVE EXISTING LAMINATE COUNTERTOP. REMOVE EXISTING HARDBOARD IN ALCOVE
D.17	REMOVE BASE CABINET, ASSOCIATED TRIM AND ACCESSORIES TO EXTENTS SHOWN
D.19	REMOVE WALL MOUNTED CHALKBOARD INCLUDING ALL ASSOCIATED FASTENERS/MASTIC. WHERE PRESENT, SALVAGE TV FOR REINSTALLATION
D.20	REMOVE AND SALVAGE EXISTING REFRIGERATOR FOR REINSTALLATION.
D.21	REMOVE SINK, FAUCET, AND ASSOCIATED PLUMBING
D.22	REMOVE CARPET DOWN TO EXISTING SUBSTRATE TO REMAIN
D.23	REMOVE WALL OR FLOOR MOUNTED RACEWAY
D.24	SALVAGE PARTIAL HEIGHT DANCE MIRRORS FOR REINSTALLATION
D.25	REMOVE WATER FOUNTAIN. SEE PLUMBING
D.26	REMOVE EXISTING CONCRETE FLOOR SLAB, SEE STRUCTURAL
D.27	AT EXISTING TOILET ROOMS, REMOVE ALL SINKS, TOILETS, URINALS, WALL MOUNTED FIXTURES, TOILET PARTITIONS, ACCESSORIES AND THE LIKE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
D.28	REMOVE EXISTING SERVICE COUNTER AND GATE (4 SF). Patch floor (VCT) at counter demolition area (15 SF)
D.29	REMOVE EXISTING AI PHONE
D.30	REMOVE CONCRETE SLAB, SEE STRUCTURAL
D.31	REMOVE MECHANICAL EQUIPMENT INCLUDING ALL ASSOCIATED PIPING AND ELECTRICAL WIRING. SEE MEPFP
D.32	REMOVE MECHANICAL VENT. SEE MECHANICAL. PATCH AND REPAIR CEILING AT AREA OF REMOVAL. PAINT ENTIRE STAGE CEILING.
D.33	REMOVE SINK AND FAUCET. PLUMBING TO REMAIN
D.34	REMOVE QUARRY FLOOR/BASE TILE DOWN TO LOWEST SUITABLE SUBSTRATE
D.35	REMOVE CMU WALL TO EXTENTS SHOWN
D.36	REMOVE EXISTING RUBBER WALL BASE. CLEAN, PATCH AND REPAIR AT AREA OF REMOVAL. PREP TO RECEIVE NEW BASE
D.37	REMOVE CERAMIC TILE DOWN TO LOWEST SUITABLE SUBSTRATE
D.38	REMOVE AND UNFASTEN KEYBOARDS AND WOODBOARDS
D.39	FILL IN AND SAND WALL BASE GROUT LINES.

KEYED NOTES - EXISTING ARCH

TAG INFO	ARCH NOTE
A.01	EXISTING FIXTURES TO REMAIN. REPLACE EXISTING FLUORESCENT LAMPS TO BE LED THROUGHOUT. SEE ELECTRICAL
A.02	PROVIDE LIGHTING FIXTURES. SEE ELECTRICAL
A.03	PROVIDE 2x2 ACT CEILING AND GRID SYSTEM
A.06	REPAIR DAMAGED METAL WINDOW SILL PANELS. PROVIDE FASTENERS WHERE MISSING AND REPLACE WHERE NECESSARY
A.08	PROVIDE DOOR AND FRAME AS SCHEDULED. SEE A-501
A.09	REFINISH WOOD DOOR AND FRAME AS SCHEDULED. SEE A-501
A.10	PROVIDE CPS STANDARD WINDOW SHADES
A.12	CLEAN EXISTING WALL BASE TILE AND GROUT LINES
A.15	REMOVE DAMAGED SGT & PROVIDE SGT TO MATCH EXISTING. GROUT TO MATCH EXISTING
A.16	PATCH AND REPAIR CMU WALL
A.17	REPAIR EXISTING MILLWORK. REFER TO SHEETS 2/A-703 AND 1/A-703
A.18	REPAIR EXISTING MILLWORK. REFER TO SHEET 1/A-703
A.19	PROVIDE LAMINATE COUNTERTOP. PROVIDE CPS STANDARD TACKBOARD ABOVE COUNTER.
A.21	SAND, REFINISH, AND SEAL WOODEN BASE CABINET DOORS, DRAWERS, FRAMES, INTERIOR AND SHELVES.
A.22	PROVIDE CPS STANDARD DOUBLE STACKED METAL STUDENT LOCKERS (12"x15"x66" [472]) WITH SLOPED TOP. ASSUME 5% ADA LOCKERS.
A.26	REINSTALL SALVAGED TV AND PROVIDE MARKER AND TACK BOARDS. SEE 6/A-307 FOR TYPICAL CONDITION
A.27	REINSTALL SALVAGED TV
A.29	PROVIDE SECONDARY TEACHING WALL WITH CPS STANDARD MARKERBOARD AND TACKBOARDS
A.31	PROVIDE SUSPENDED GYPSUM BOARD CEILING
A.32	PROVIDE STAINLESS STEEL DROP SINK MOUNTED IN CASEWORK AT ADULT HEIGHT. PROVIDE CPS REQUIRED ACCESSORIES
A.33	REINSTALL SALVAGED REFRIGERATOR
A.35	RELOCATE CONDUITS AND PIPES AS REQUIRED FOR NEW RTU
A.37	PROVIDE 8' HEIGHT CONTINUOUS MIRRORS AND CPS REQUIRED PERMANENTLY FLOOR MOUNTED MULTI-HEIGHT DANCE BARRES
A.38	INSTALL SALVAGED PARTIAL HEIGHT DANCE MIRRORS
A.39	PROVIDE UTILITY SINK WITH SOLIDS INTERCEPTOR. SEE PLUMBING
A.40	PROVIDE DOUBLE HEIGHT SINKS MOUNTED IN CASEWORK. ONE AT CHILD HEIGHT AND ONE AT ADULT HEIGHT. PROVIDE SOAP AND PAPER TOWEL DISPENSERS.
A.41	PROVIDE EQUIPMENT OR ACCESSORY, SEE EQUIPMENT SCHEDULE ON SHEET A-503
A.43	CPS PROVIDED FURNITURE. OWNER FURNISHED, OWNER INSTALLED. SEE ID SHEETS AND SCHEDULE
A.44	PROVIDE COMPACT REFRIGERATOR UNDER BASE CABINET
A.46	PROVIDE TEACHERS DEMONSTRATION DESK WITH LOCKABLE BASE CABINETRY, SEE ADA 9.1 FOR DETAIL
A.47	PROVIDE DRINKING FOUNTAIN WITH BOTTLE FILLER. SEE PLUMBING
A.48	PROVIDE CPS STANDARD SERVICE COUNTER AND ACCESSIBLE DOUBLE HINGED GATE. REPAIR 5 SF SGT WALLS AT COUNTER AND GATE DEMOLISHED AREAS
A.49	PROVIDE DRINKING FOUNTAIN. SEE PLUMBING
A.50	PROVIDE SCHEDULED FLOORING AND BASE
A.54	INFILL MASONRY WALL. TOOTH INTO EXISTING AND REFINISH TO MATCH ADJACENT SURFACES
A.55	PROVIDE UPGRADED IX MODEL AIPHONE AT LOCATION OF REMOVED UX SYSTEM. PROVIDE 5 SF MASONRY PATCH AND REPAIR AT AREA OF REMOVAL. SEE ELECTRICAL
A.56	CLEAN, PREP, AND PAINT IN EXISTING GYP CEILING WITHIN EXTENTS SHOWN
A.57	PROVIDE ELECTRICAL DEVICE, SEE ELECTRICAL.
A.58	PROVID CPS STANDARD WALL MOUNTED CLOCK
A.59	PROVIDE CURTAIN AND CURTAIN TRACK
A.60	PATCH AND REPAIR FLOOR CONCRETE SLAB AT AREA OF DEMOLITION
A.61	REPAINT AND REFINISH EXISTING CONCRETE STRUCTURE
A.62	CLEAN EXISTING WALL BASE TILE AND GROUT
A.63	MAIL SORTER CASEWORK WITH PLAM COUNTER TOP.
A.64	PATCH AND REFINISH WINDOW FRAMES AT ROLLER SHADE DEMOLITION.
A.65	PROVIDE RUBBER WALL BASE TO MATCH EXISTING
A.66	REMOVE, SALVAGE AND REINSTALL BASKETBALL GOAL AND HOOP SYSTEM
A.67	PROVIDE MECHANICAL EQUIPMENT, SEE MECHANICAL
A.68	PROVIDE CABINETS WITH EPOXY COUNTER TOPS
A.69	PROVIDE METAL CASEWORK TO MATCH EXISTING.
A.70	SALVAGE AND REINSTALL LIGHTING FIXTURES
A.71	PROVIDE MOTORIZED DIVIDER CURTAIN
A.72	SALVAGE CEILING AND REINSTALL. ASSUME 10% TILE REPLACEMENT. REPLACE GRID AS REQ AT NEW WALLS
A.73	PROVIDE PAINTED LINTEL OR BOND BEAM

GENERAL NOTES:

SEE SHEET G-001 FOR GENERAL NOTES AND DEMOLITION NOTES

PUBLIC BUILDING COMMISSION — Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
CHICAGO, IL 60612

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

Architect of Record:
KOO LLC
55 WACKER DR,
STE 600C
CHICAGO, IL 60601
312-235-0920 PH

MEPFP ENGINEER
WSP
30 N LaSalle Street Suite 4200
Chicago, IL 60602

STRUCTURAL ENGINEER
Milhouse Engineering & Construction
333 South Wabash Avenue
Chicago, IL 60604

CIVIL ENGINEER
TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654

LANDSCAPE ARCHITECT
TERRA Engineering, LTD.
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ENVIRONMENTAL ENGINEER
Environmental Design International
33 W Monroe ST #1825
Chicago, IL 60603

ENVIRONMENTAL RENO/DEMO
Specialty Consulting Inc.
2942 W Van Buren St
Chicago, IL 66012

REVISIONS

NO.	DATE	DESCRIPTION
3	04/07/23	75% CD
4	04/28/23	100% CD
5	05/04/23	IFB
7	05/26/23	ADDENDUM 02
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

SCALE: As indicated

LEVEL 3 | LEVEL 2 | LEVEL 1 | KEY PLAN

PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

CLRM WING ENLARGED MULTIPURPOSE ROOM 105 & 107 PLAN & RCP

Sheet NOT FOR CONSTRUCTION

A-221

32'-0" 0'-0" 16'-0" 32'-0" 64'-0"
1/32" = 1'-0"

16'-0" 0'-0" 8'-0" 16'-0" 32'-0"
1/16" = 1'-0"

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

4'-0" 0'-0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

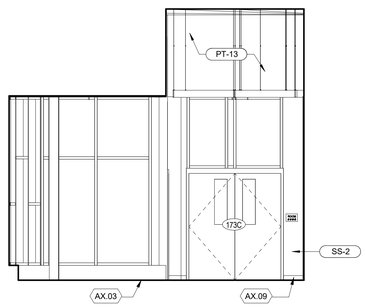
2'-0" 0'-0" 1'-0" 2'-0" 4'-0"
1/2" = 1'-0"

1'-0" 0'-0" 0'-6" 1'-0" 2'-0"
1" = 1'-0"

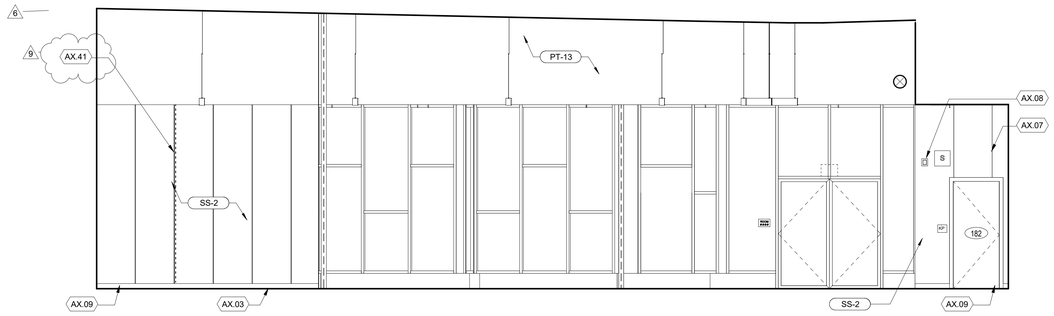
0'-0" 0'-6" 1'-0" 2'-0"
1-1/2" = 1'-0"

0'-0" 0'-3" 0'-6" 0'-9" 1'-0"
3" = 1'-0"

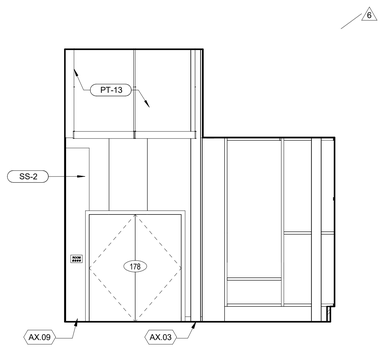
0'-0" 0'-1-1/2" 0'-3" 0'-4-1/2" 0'-6"
6" = 1'-0"



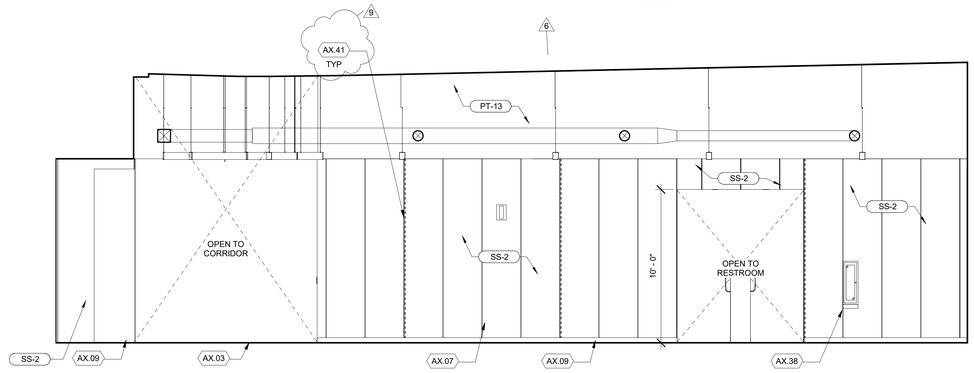
8 CORRIDOR 171B - EAST
SCALE: 1/4" = 1'-0"



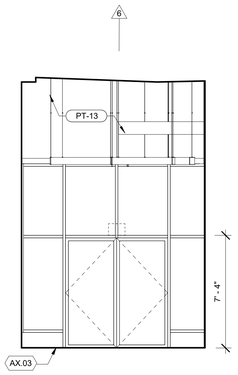
7 CORRIDOR 171B - NORTH
SCALE: 1/4" = 1'-0"



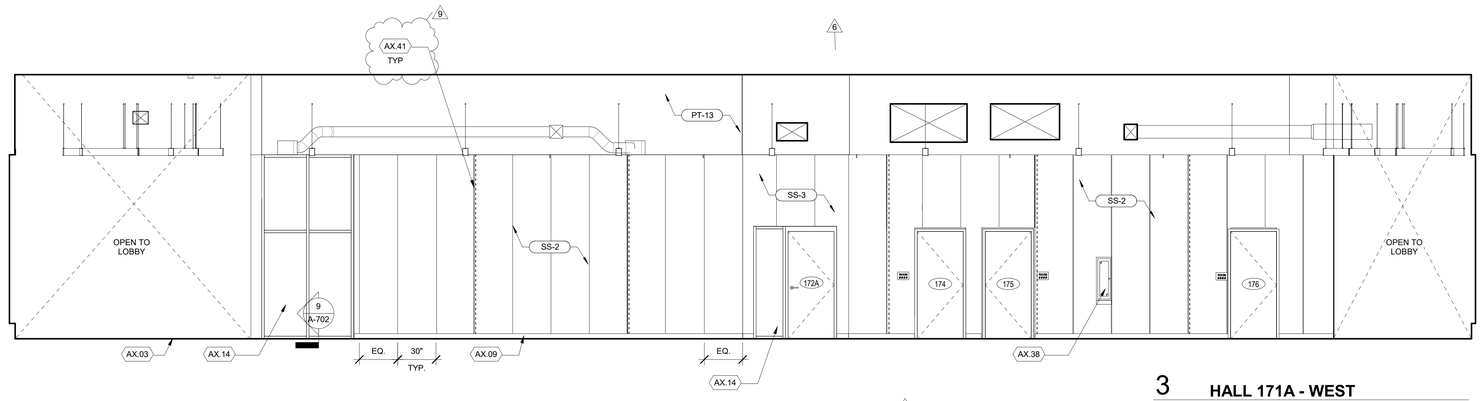
6 CORRIDOR 171B - WEST
SCALE: 1/4" = 1'-0"



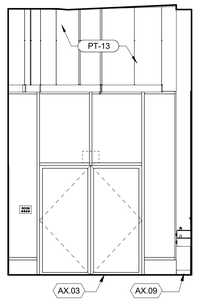
5 CORRIDOR 171B - SOUTH
SCALE: 1/4" = 1'-0"



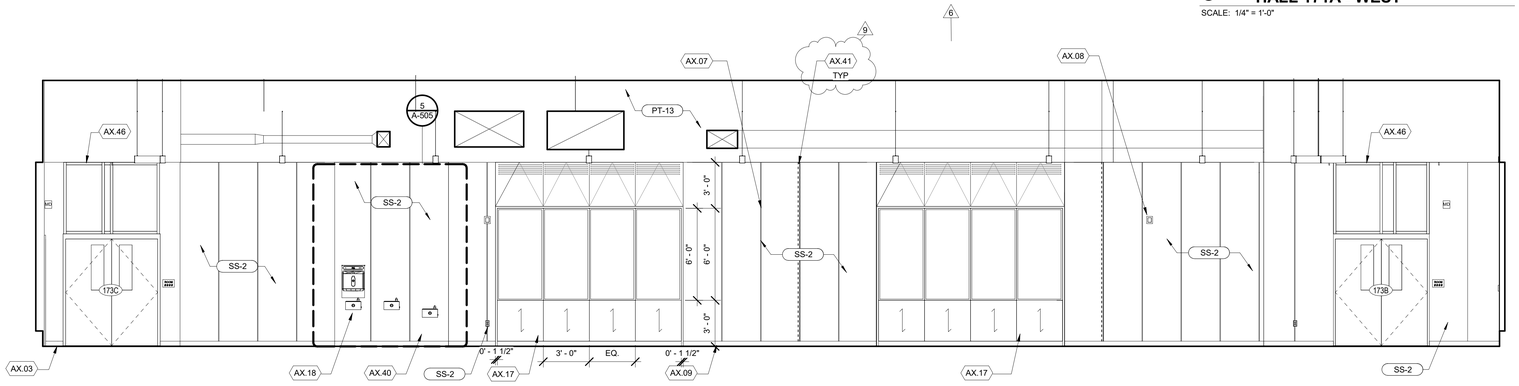
4 HALL 171A - SOUTH
SCALE: 1/4" = 1'-0"



3 HALL 171A - WEST
SCALE: 1/4" = 1'-0"



2 HALL 171A - NORTH
SCALE: 1/4" = 1'-0"



1 HALL 171A - EAST
SCALE: 1/4" = 1'-0"

KEYED NOTES - ANNEX ARCH	
TAG INFO	ARCH NOTE
AX.01	PROVIDE LIGHTING FIXTURES. SEE ELECTRICAL
AX.02	PROVIDE 2X2 ACT CEILING AND GRID SYSTEM
AX.03	PROVIDE TERRAZZO FLOORING
AX.04	PROVIDE PLASTIC LAMINATE MILLWORK CABINETS WITH SOLID SURFACE TOP
AX.05	PROVIDE MECHANICAL GRILLE. SEE MECHANICAL
AX.06	PROVIDE FLOOR PENETRATION FOR MEP DEVICE. CONFIRM FINAL LOCATION WITH MEP AND FURNITURE
AX.07	PROVIDE ELECTRICAL DEVICE. SEE ELECTRICAL
AX.08	PROVIDE FIRE ALARM DEVICE
AX.09	PROVIDE WALL BASE AS SCHEDULED
AX.10	PROVIDE MOTORIZED OPERABLE PARTITION, STC-52, BOD: MODERNFOLD ACOUSTI-SEAL ENCORE AUTOMATED
AX.11	PROVIDE SPRINKLERS. SEE MECHANICAL
AX.12	PROVIDE MECHANICAL DEVICE. SEE MECHANICAL
AX.13	PROVIDE FLOORING AS SCHEDULED
AX.14	PROVIDE 1HR FIRE-RATED HOLLOW METAL WINDOW WALL
AX.15	PROVIDE HINGED INTERIOR WINDOW GUARD. ALIGN FRAMING WITH WINDOW MULLIONS
AX.16	PROVIDE AUTOMATED DUAL SHADE WINDOW TREATMENTS, WITH BLACKOUT AND 3% OPEN SHADES. ALIGN BLACKOUT CHANNELS WITH WINDOW MULLIONS. SHADE ATTACHMENT TO WINDOW WALL MUST MAINTAIN WINDOW WALL WARRANTY.
AX.17	PROVIDE CUSTOM DISPLAY CASE. SEE INTERIOR DETAILS
AX.18	PROVIDE DRINKING FOUNTAIN AND BOTTLE FILLERS
AX.20	PROVIDE HIGH IMPACT RESISTANT ACOUSTICAL PANELS, CUSTOM COLOR TO MATCH WALL FINISH
AX.21	PROVIDE GYMNASIUM FLOORING ASSEMBLY
AX.22	PROVIDE GYMNASIUM WALL PADDING MATCHING WALL PAINT. NOTCH WALL PADS AROUND ROOM SIGNS AND WALL DEVICES.
AX.23	PROVIDE MANUAL OPERATED TELESCOPIC BLEACHERS. SEE SPECIALTY EQUIPMENT
AX.24	PROVIDE SCORE BOARD WITH CUSTOM CPS AND CPD LOGOS AND DIGITAL DISPLAY BELOW SCOREBOARD
AX.25	PROVIDE FRONT-FOLDING BASKETBALL BACKSTOP. SEE SPECIALTY EQUIPMENT. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED TO SUPPORT BACKSTOPS, SEE STRUCTURAL.
AX.26	PROVIDE MECHANICAL GRILLE. SEE MECHANICAL
AX.27	PROVIDE HDMI FOR SHORT THROW PROJECTOR
AX.28	PROVIDE GYPSUM CEILING
AX.29	PROVIDE WELDED GRATING WALK OFF MAT ASSEMBLY
AX.30	PROVIDE LINEAR DIFFUSER. SEE MECHANICAL
AX.31	EXPOSED HVAC DUCT. SEE MECHANICAL
AX.32	PROVIDE COMPETITION WOOD FLOOR WITH COURT STRIPES FOR 1 MAIN BASKETBALL COURT, 2 SIDE BASKETBALL COURTS, 1 VOLLEYBALL COURT, 2 PICKLEBALL COURTS
AX.33	PROVIDE TOP-ROLL GYMNASIUM CURTAIN DIVIDER. SEE SPECIALTY EQUIPMENT
AX.34	PROVIDE RECESSED FLOOR MOUNTED VOLLEYBALL NET AND SLEEVES. SEE SPECIALTY EQUIPMENT
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AX.39	PROVIDE FLOOR TO CEILING CUSTOM PHENOLIC TOILET COMPARTMENT, ACCURATE PARTITIONS CORP. (ASI GROUP) COLOR-THRU PHENOLIC IN SMOKE 8450C. PROVIDE BLOCKING AS REQUIRED
AX.40	PROVIDE CANE DETECTABLE APRON MOUNTED BELOW THE EDGE OF DRINKING FOUNTAIN. COMPLY WITH REQUIRED KNEE CLEARANCE
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AX.46	PROVIDE 2HR FIRE RESISTIVE TRANSOM WINDOW SYSTEM.

PUBLIC BUILDING COMMISSION
Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
CHICAGO, IL 60612

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

Architect of Record:
KOO LLC
55 WACKER DR,
STE 600C
CHICAGO, IL 60601
312-235-0920 PH

MEPFP ENGINEER
WSP
30 N LaSalle Street Suite 4200
Chicago, IL 60602

STRUCTURAL ENGINEER
Milhouse Engineering & Construction
333 South Wabash Avenue
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225 W Ohio St, 4th Floor
Chicago, IL 60654

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ENVIRONMENTAL ENGINEER
Environmental Design International
33 W Monroe ST #1825
Chicago, IL 60603

ENVIRONMENTAL RENO/DEMO
Specialty Consulting Inc.
2942 W Van Buren St
Chicago, IL 66012

REVISIONS

NO.	DATE	DESCRIPTION
1	12/01/22	100% SD
2	02/10/23	100% DD
3	04/07/23	75% CD
4	04/28/23	100% CD
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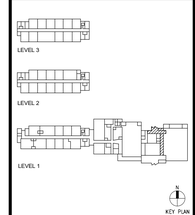
6	05/19/23	ADDENDUM 01
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

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



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

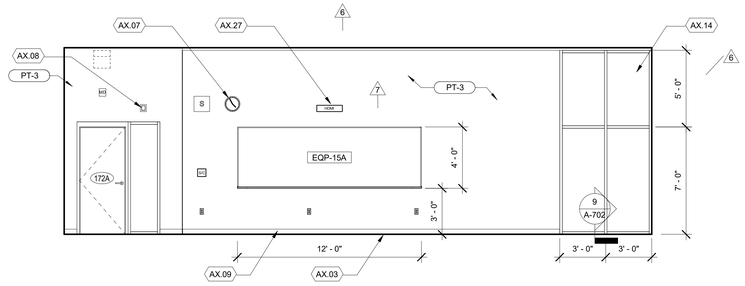
Title

ANNEX CORRIDOR INTERIOR ELEVATIONS

Sheet NOT FOR CONSTRUCTION

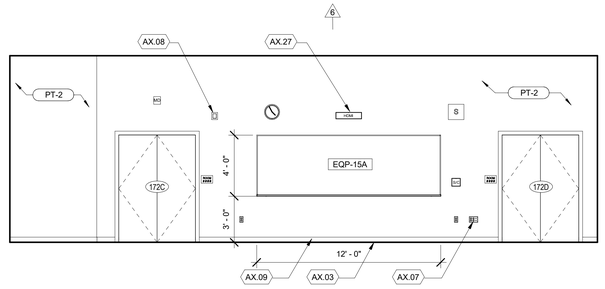
A-300

1/32" = 1'-0" | 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 1" = 1'-0" | 1-1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"



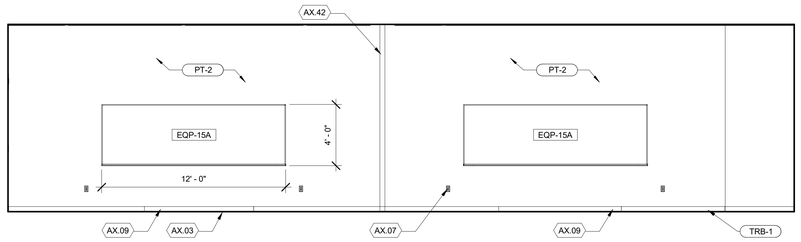
8 COMMUNITY ROOM - EAST - ANNEX

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



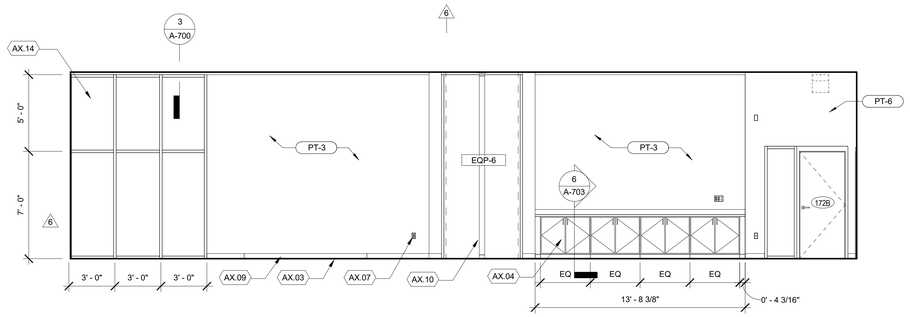
7 COMMUNITY ROOM - WEST - ANNEX

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



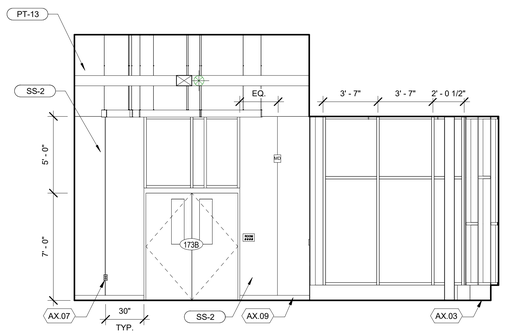
6 COMMUNITY ROOM - NORTH - ANNEX

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



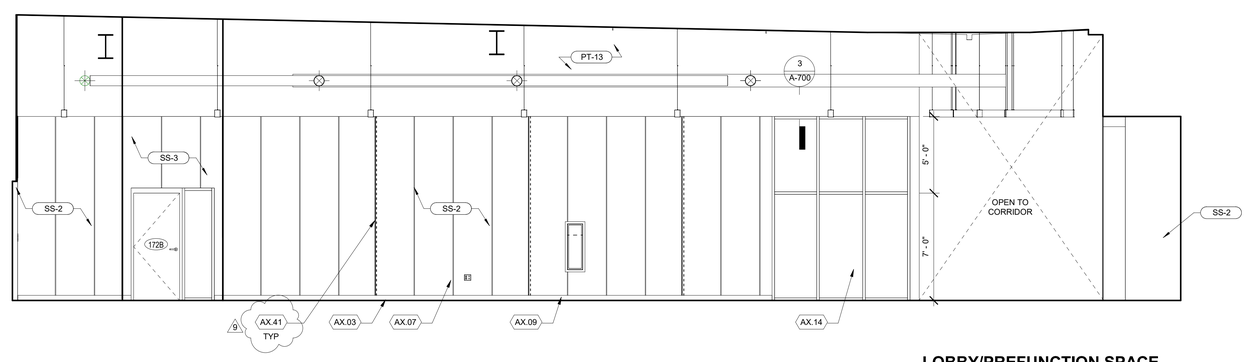
5 COMMUNITY ROOM - SOUTH - ANNEX

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



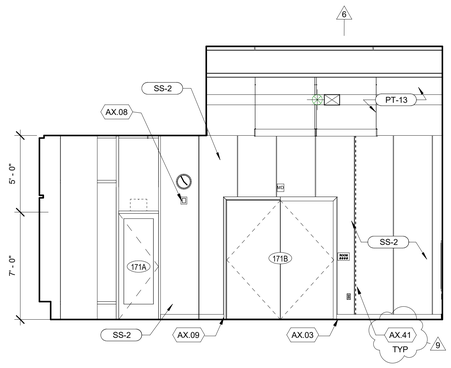
4 LOBBY/PREFUNCTION SPACE - EAST - ANNEX

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



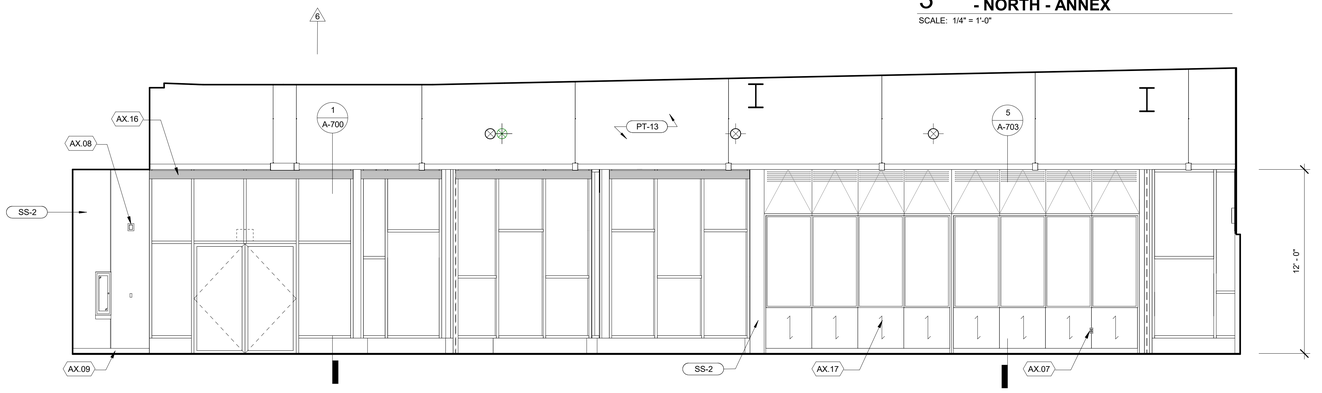
3 LOBBY/PREFUNCTION SPACE - NORTH - ANNEX

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



2 LOBBY/PREFUNTION SPACE - WEST - ANNEX

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



1 LOBBY/PREFUNCTION - SOUTH - ANNEX

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

KEYED NOTES - ANNEX ARCH	
TAG INFO	ARCH NOTE
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STE 600C
CHICAGO, IL 60601
312-235-0920 PH

MEPFP ENGINEER
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Chicago, IL 60602

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6	05/19/23	ADDENDUM 01
7	05/26/23	ADDENDUM 02
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

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

LEVEL 3

LEVEL 2

LEVEL 1

KEY PLAN

PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

ANNEX COMMUNITY ROOM AND CORRIDOR INTERIOR ELEVATIONS

Sheet NOT FOR CONSTRUCTION

A-301

32'-0" 0'-0" 16'-0" 32'-0" 64'-0"
1/32" = 1'-0"

16'-0" 0'-0" 8'-0" 16'-0" 32'-0"
1/16" = 1'-0"

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

4'-0" 0'-0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

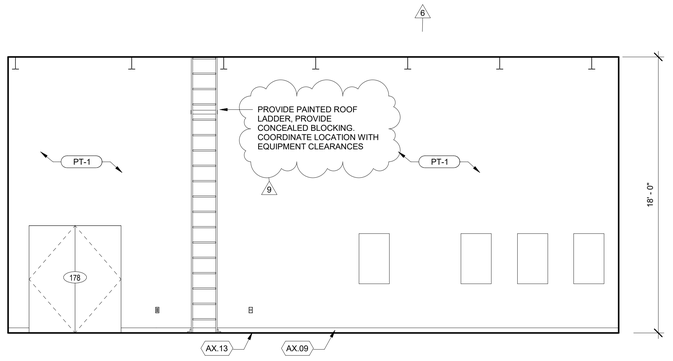
2'-0" 0'-0" 1'-0" 2'-0" 4'-0"
1/2" = 1'-0"

1'-0" 0'-0" 0'-6" 1'-0" 2'-0"
1" = 1'-0"

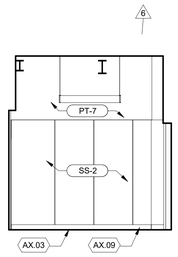
0'-0" 0'-6" 1'-0" 2'-0"
1-1/2" = 1'-0"

0'-0" 0'-3" 0'-6" 0'-9" 1'-0"
3" = 1'-0"

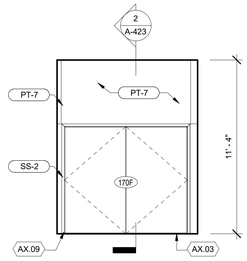
0'-0" 0'-1-1/2" 0'-3" 0'-4-1/2" 0'-6"
6" = 1'-0"



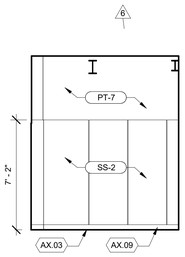
9 SERVICE CORRIDOR 178 - EAST
SCALE: 1/4" = 1'-0"



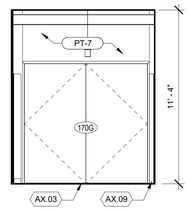
8 RATED VESTIBULE 170C - WEST
SCALE: 1/4" = 1'-0"



7 RATED VESTIBULE 170C - NORTH
SCALE: 1/4" = 1'-0"



6 RATED VESTIBULE 170C - EAST
SCALE: 1/4" = 1'-0"



5 RATED VESTIBULE 170C - SOUTH
SCALE: 1/4" = 1'-0"

KEYED NOTES - ANNEX ARCH	
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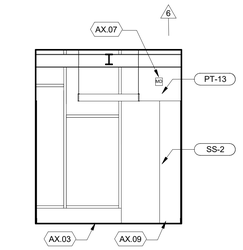
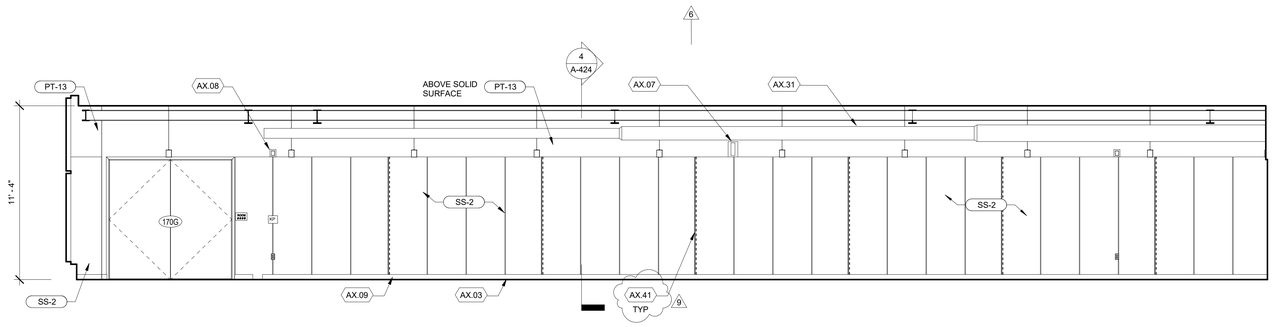
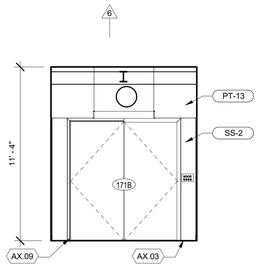


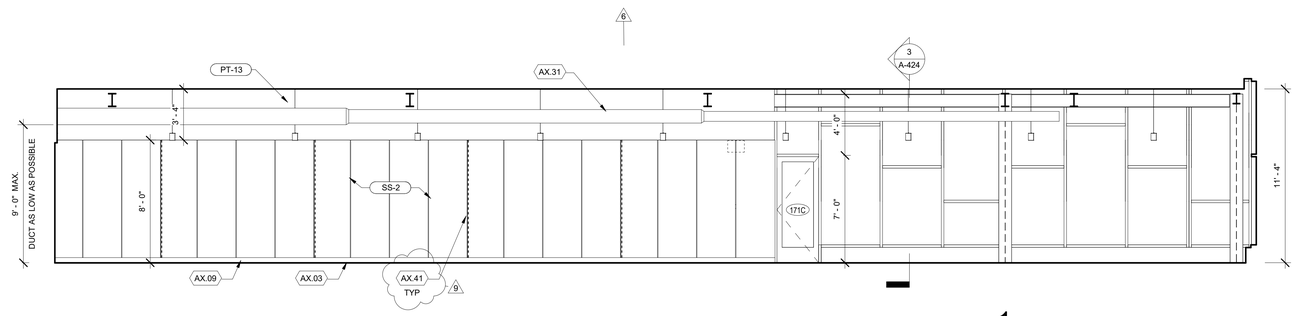
4 HALL 171C - WEST
SCALE: 1/4" = 1'-0"



3 HALL 171C - NORTH
SCALE: 1/4" = 1'-0"



2 HALL 171C - EAST
SCALE: 1/4" = 1'-0"



1 HALL 171C - SOUTH
SCALE: 1/4" = 1'-0"

PUBLIC BUILDING COMMISSION
Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

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Chicago, IL 60612

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NO.	DATE	DESCRIPTION
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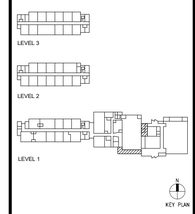
6	05/19/23	ADDENDUM 01
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

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



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

ANNEX HALLWAY LINK AND SERVICE CORRIDOR INTERIOR ELEVATIONS

Sheet NOT FOR CONSTRUCTION

A-301B

32'-0" 0'-0" 16'-0" 32'-0" 64'-0"
1/32" = 1'-0"

16'-0" 0'-0" 8'-0" 16'-0" 32'-0"
1/16" = 1'-0"

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

4'-0" 0'-0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

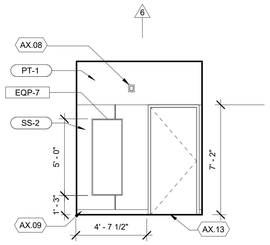
2'-0" 0'-0" 1'-0" 2'-0" 4'-0"
1/2" = 1'-0"

1'-0" 0'-0" 0'-6" 1'-0" 2'-0"
1" = 1'-0"

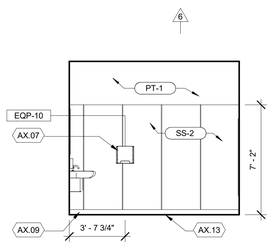
0'-0" 0'-6" 1'-0" 2'-0"
1-1/2" = 1'-0"

0'-0" 0'-3" 0'-6" 0'-9" 1'-0"
3" = 1'-0"

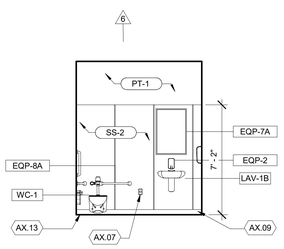
0'-0" 0'-1-1/2" 0'-3" 0'-4-1/2" 0'-6"
6" = 1'-0"



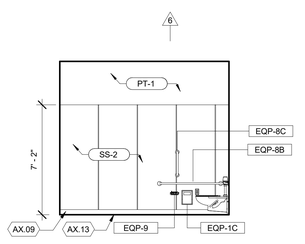
16 **ALL GENDER TOILET ROOM 175 EAST**
SCALE: 1/4" = 1'-0"



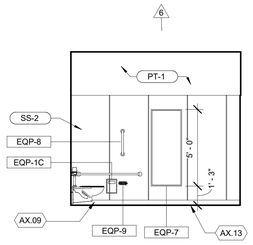
15 **ALL GENDER TOILET ROOM 175 NORTH**
SCALE: 1/4" = 1'-0"



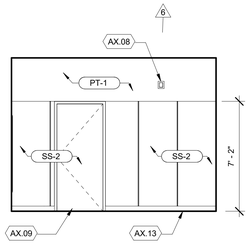
14 **ALL GENDER TOILET ROOM 175 WEST**
SCALE: 1/4" = 1'-0"



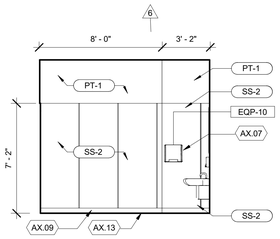
13 **ALL GENDER TOILET ROOM 175 SOUTH**
SCALE: 1/4" = 1'-0"



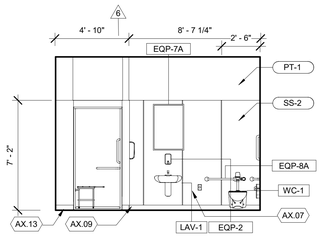
12 **ALL GENDER LOCKER ROOM 107 NORTH**
SCALE: 1/4" = 1'-0"



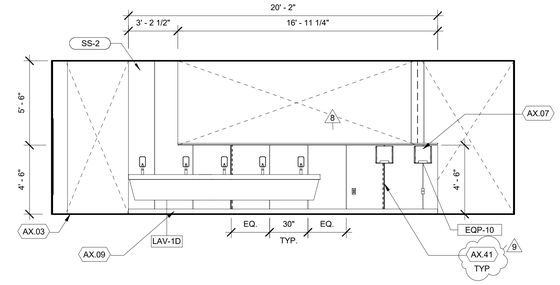
11 **ALL GENDER LOCKER ROOM 176 - EAST**
SCALE: 1/4" = 1'-0"



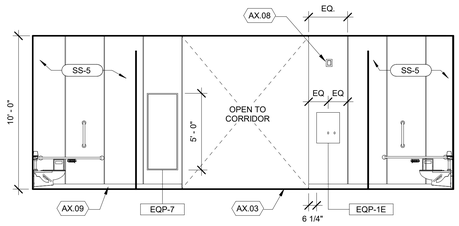
10 **ALL GENDER LOCKER ROOM 176 - SOUTH**
SCALE: 1/4" = 1'-0"



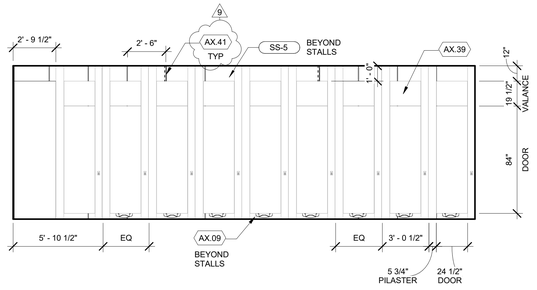
9 **ALL GENDER LOCKER ROOM 176 - WEST**
SCALE: 1/4" = 1'-0"



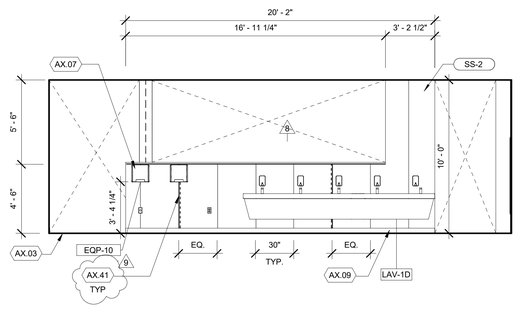
6 **GENDER NEUTRAL RESTROOM 177 - EAST-FACING LAVATORY**
SCALE: 1/4" = 1'-0"



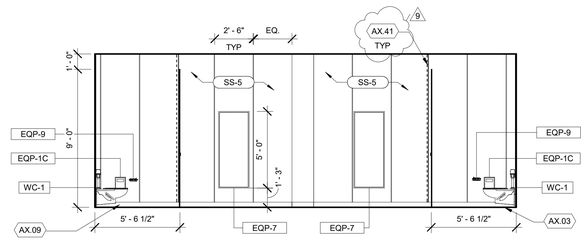
5 **GENDER NEUTRAL RESTROOM 177 - NORTH**
SCALE: 1/4" = 1'-0"



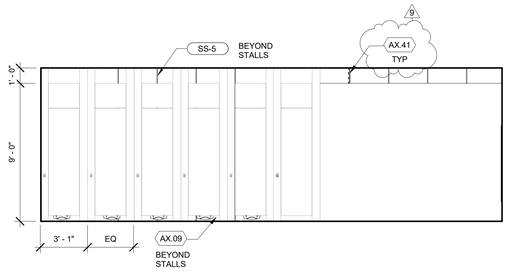
4 **GENDER NEUTRAL RESTROOM 177 - EAST**
SCALE: 1/4" = 1'-0"



3 **GENDER NEUTRAL RESTROOM 177 - WEST-FACING LAVATORY**
SCALE: 1/4" = 1'-0"



2 **GENDER NEUTRAL RESTROOM 177 - SOUTH**
SCALE: 1/4" = 1'-0"



1 **GENDER NEUTRAL RESTROOM 177 - WEST**
SCALE: 1/4" = 1'-0"

KEYED NOTES - ANNEX ARCH

TAG INFO	ARCH NOTE
AX.01	PROVIDE LIGHTING FIXTURES. SEE ELECTRICAL
AX.02	PROVIDE 2X2 ACT CEILING AND GRID SYSTEM
AX.03	PROVIDE TERRAZZO FLOORING
AX.04	PROVIDE PLASTIC LAMINATE MILLWORK CABINETS WITH SOLID SURFACE TOP
AX.05	PROVIDE MECHANICAL GRILLE. SEE MECHANICAL
AX.06	PROVIDE FLOOR PENETRATION FOR MEP DEVICE. CONFIRM FINAL LOCATION WITH MEP AND FURNITURE
AX.07	PROVIDE ELECTRICAL DEVICE. SEE ELECTRICAL
AX.08	PROVIDE FIRE ALARM DEVICE
AX.09	PROVIDE WALL BASE AS SCHEDULED
AX.10	PROVIDE MOTORIZED OPERABLE PARTITION, STC-52, BOD: MODERNFOLD ACOUSTI-SEAL ENCORE AUTOMATED
AX.11	PROVIDE SPRINKLERS. SEE MECHANICAL
AX.12	PROVIDE MECHANICAL DEVICE. SEE MECHANICAL
AX.13	PROVIDE FLOORING AS SCHEDULED
AX.14	PROVIDE 1HR FIRE-RATED HOLLOW METAL WINDOW WALL
AX.15	PROVIDE HINGED INTERIOR WINDOW GUARD. ALIGN FRAMING WITH WINDOW MULLIONS
AX.16	PROVIDE AUTOMATED DUAL SHADE WINDOW TREATMENTS, WITH BLACKOUT AND 3% OPEN SHADES. ALIGN BLACKOUT CHANNELS WITH WINDOW MULLIONS. SHADE ATTACHMENT TO WINDOW WALL MUST MAINTAIN WINDOW WALL WARRANTY.
AX.17	PROVIDE CUSTOM DISPLAY CASE. SEE INTERIOR DETAILS
AX.18	PROVIDE DRINKING FOUNTAIN AND BOTTLE FILLERS
AX.20	PROVIDE HIGH IMPACT RESISTANT ACOUSTICAL PANELS, CUSTOM COLOR TO MATCH WALL FINISH
AX.21	PROVIDE GYMNASIUM FLOORING ASSEMBLY
AX.22	PROVIDE GYMNASIUM WALL PADDING MATCHING WALL PAINT. NOTCH WALL PADS AROUND ROOM SIGNS AND WALL DEVICES.
AX.23	PROVIDE MANUAL OPERATED TELESCOPIC BLEACHERS. SEE SPECIALTY EQUIPMENT
AX.24	PROVIDE SCORE BOARD WITH CUSTOM CPS AND CPD LOGOS AND DIGITAL DISPLAY BELOW SCOREBOARD
AX.25	PROVIDE FRONT-FOLDING BASKETBALL BACKSTOP. SEE SPECIALTY EQUIPMENT. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED TO SUPPORT BACKSTOPS, SEE STRUCTURAL.
AX.26	PROVIDE MECHANICAL GRILLE. SEE MECHANICAL
AX.27	PROVIDE HDMI FOR SHORT THROW PROJECTOR
AX.28	PROVIDE GYPSUM CEILING
AX.29	PROVIDE WELDED GRATING WALK OFF MAT ASSEMBLY
AX.30	PROVIDE LINEAR DIFFUSER. SEE MECHANICAL
AX.31	EXPOSED HVAC DUCT. SEE MECHANICAL
AX.32	PROVIDE COMPETITION WOOD FLOOR WITH COURT STRIPES FOR 1 MAIN BASKETBALL COURT, 2 SIDE BASKETBALL COURTS, 1 VOLLEYBALL COURT, 2 PICKLEBALL COURTS
AX.33	PROVIDE TOP-ROLL GYMNASIUM CURTAIN DIVIDER. SEE SPECIALTY EQUIPMENT
AX.34	PROVIDE RECESSED FLOOR MOUNTED VOLLEYBALL NET AND SLEEVES. SEE SPECIALTY EQUIPMENT
AX.35	PROVIDE SPEAKER DEVICE. SEE ELECTRICAL
AX.36	PROVIDE PA SYSTEM WITH ASSISTED LISTENING DEVICES. PROVIDE 11 RECEIVERS, 3 OF WHICH ARE HEARING-AID COMPATIBLE
AX.38	PROVIDE RECESSED FIRE EXTINGUISHER CABINET
AX.39	PROVIDE FLOOR TO CEILING CUSTOM PHENOLIC TOILET COMPARTMENT, ACCURATE PARTITIONS CORP. (ASI GROUP) COLOR-THRU PHENOLIC IN SMOKE 8450C. PROVIDE BLOCKING AS REQUIRED
AX.40	PROVIDE CANE DETECTABLE APRON MOUNTED BELOW THE EDGE OF DRINKING FOUNTAIN. COMPLY WITH REQUIRED KNEE CLEARANCE
9 AX.41	PROVIDE SOLID SURFACE EXPANSION JOINT PER MANUFACTURER REQUIREMENTS
AX.42	PROVIDE ACOUSTICALLY-SEALED FULL HEIGHT OPERABLE PARTITION CLOSURE PANEL, PER MANUFACTURER
AX.43	PROVIDE 2HR PUNCHED WINDOW OPENING WITH FIRE RESISTIVE GLAZING
AX.44	PROVIDE GYPSUM WALL BOARD EXPANSION JOINTS
AX.45	PROVIDE AI PHONE, SEE ELECTRICAL.
AX.46	PROVIDE 2HR FIRE RESISTIVE TRANSOM WINDOW SYSTEM.

PUBLIC BUILDING COMMISSION
Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
CHICAGO, IL 60612

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

Architect of Record:
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STE 600C
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312-235-0920 PH

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WSP
30 N LaSalle Street Suite 4200
Chicago, IL 60602

STRUCTURAL ENGINEER
Milhouse Engineering & Construction
333 South Wabash Avenue
Chicago, IL 60604

CIVIL ENGINEER
TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654

LANDSCAPE ARCHITECT
TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654

ENVIRONMENTAL ENGINEER
Environmental Design International
33 W Monroe ST #1825
Chicago, IL 60603

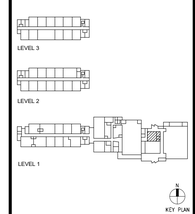
ENVIRONMENTAL RENO/DEMO
Specialty Consulting Inc.
2942 W Van Buren St
Chicago, IL 60612

REVISIONS

NO.	DATE	DESCRIPTION
3	04/07/23	75% CD
4	04/28/23	100% CD
5	05/04/23	IFB
6	05/19/23	ADDENDUM 01
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

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



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title
ANNEX INTERIOR BATHROOM ELEVATIONS

Sheet NOT FOR CONSTRUCTION
A-303A

1/32" = 1'-0"
1/16" = 1'-0"
1/8" = 1'-0"
1/4" = 1'-0"
1/2" = 1'-0"
1" = 1'-0"
1-1/2" = 1'-0"
3" = 1'-0"
6" = 1'-0"

FINISH SCHEDULE

	Number	Floor Finish	Wall Base	North Wall	South Wall	East Wall	West Wall	Ceiling Finish	Area
BUILDING ENGINEER PARKING SPACE									127 SF
PRINCIPAL PARKING SPACE									113 SF
CORRIDOR	100	VCT-1	SGT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-X2, PT-9	2438 SF
ENTRY	100A	VCT-1	SGT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-X2, PT-9	223 SF
BOOK ST.	100B	VCT-1	SGT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	EXP-2, PT-9	194 SF
JANITOR'S CLOSET	100C	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	EXP-2, PT-9	25 SF
ALCOVE	100D	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	EXP-2, PT-9	95 SF
ELECTRIC ROOM	100E	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	EXP-2, PT-9	187 SF
STORAGE	100F	RT-11	RB-1	PT-1	PT-1	PT-1, CMU-1	PT-1	ACT-3, PT-9	43 SF
HALLWAY	101	VCT-1	RB-1	PT-1, CMU-1	PT-1	PT-1	PT-1	ACT-1, PT-9	206 SF
COUNSELOR	101A	CP-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1, PT-9	110 SF
SOCIAL WORKER	101B	CP-1	RB-1	PT-1	PT-1, WT-1, CMU-1	PT-1	PT-1	ACT-1, PT-9	147 SF
OCCUPATIONAL THERAPIST + SPEECH PATHOLOGIST	101C	CP-1	RB-1	PT-1	PT-1, WT-1, CMU-1	PT-1	PT-1	ACT-1, PT-9	177 SF
COUNSELOR	101D	CP-1	RB-1	PT-1	PT-1	PT-1, CMU-1	PT-1	ACT-1, PT-9	139 SF
CARE ROOM	101E	VCT-1	RB-1	PT-1	PT-1	PT-1, CMU-1	PT-1	ACT-1, PT-9	110 SF
ALCOVE	102	VCT-1	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-1	PT-1, CMU-1	ACT-X2, PT-9	231 SF
WORK ROOM	102A	VCT-1	RB-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	323 SF
OFFICE	102B	VCT-1	RB-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-1, PT-9	105 SF
OFFICE	102C	VCT-1	RB-1	PT-1, WT-1, CMU-1	PT-1	PT-1, CMU-1	PT-1, CMU-1	ACT-1, PT-9	123 SF
TEACHER'S LOUNGE	103	VCT-1	RB-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-1	PT-1, CMU-1	ACT-1, PT-9	603 SF
STORAGE	103B	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1, PT-9	50 SF
ALCOVE	104	VCT-1	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	262 SF
CONF.	104A	VCT-1	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	175 SF
OFFICE	104B	VCT-1	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	52 SF
OFFICE	104C	VCT-1	RB-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	125 SF
OFFICE	104D	VCT-1	RB-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	85 SF
OFFICE	104E	VCT-1	RB-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	85 SF
MULTIPURPOSE ROOM	105	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-1, PT-9	816 SF
CORRIDOR	105F	VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1, PT-9	108 SF
CLSRM	106	-	-	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	818 SF
CLSRM	107	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-1, PT-9	816 SF
KINDERGARTEN	108	-	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	1246 SF
STORAGE	108A	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	64 SF
TOILET RM	108B	T-1	T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	GYP-X, PT-9	61 SF
KINDERGARTEN	109	-	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	1166 SF
TOILET RM	109A	T-1	T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	GYP-X, PT-9	38 SF
VESTIBULE	109B	-	-	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X2, PT-9	37 SF
KINDERGARTEN	110	-	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	940 SF
STORAGE	110A	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	48 SF
TOILET RM	110B	T-1	T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	GYP-X, PT-9	58 SF
KINDERGARTEN	111	-	RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	1181 SF
TOILET RM	111A	T-1	T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	PT-1, CMU-1, T-1	GYP-X, PT-9	38 SF
GIRLS TOILET	113	TR-1	TRB-1	SS-5	SS-5	SS-2	SS-5	GYP-2, PT-9	213 SF
BOYS TOILET	115	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	204 SF
ACCESSIBLE ALL GENDER	116	TR-1	TRB-1	SS-5	SS-2	SS-5	SS-5	GYP-2, PT-9	55 SF
STAIR #2	117	-	-	SGT-1	SGT-1	SGT-1	SGT-1	GYP-X, PT-9	250 SF
STAIR #1	118	-	-	SGT-1	SGT-1	SGT-1	SGT-1	GYP-X, PT-9	237 SF
LUNCHROOM	127	VCT-2	SGT-1	PT-1, SGT-1, CMU-1, WT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-5A, PT-9	2288 SF
KITCHEN	128	-	-	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	GYP-X, PT-9	700 SF
JANITOR	130	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	40 SF
STORAGE	131	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	44 SF
CORRIDOR	132	VCT-1	SGT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-1, PT-9	323 SF
STORAGE	133	QT-1	QT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	87 SF
OFFICE	134			PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	AB-1, PT-9	60 SF
FOOD PREP	135			PT-1, SGT-1, CMU-1, WT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-X1, PT-9	440 SF
CORRIDOR	136	VCT-1	SGT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-1, PT-9	158 SF
STORAGE	137			PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	88 SF
STORAGE	138			PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	126 SF
CORRIDOR	139	VCT-1	SGT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-1, PT-9	108 SF
STAFF TOILET	140	T-2	T-2	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	61 SF
OFFICE	141			PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	51 SF
STORAGE	142			PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	63 SF
STAFF TOILET	143	T-2	T-2	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	69 SF
GYM STORAGE	144	VCT-1	CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-1, PT-9	113 SF
BOILER RM	145	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	EXP-2, PT-9	1110 SF
GYM OFFICE	146	VCT-1	CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-1, PT-9	83 SF
STAGE	147	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	709 SF
GYM STORAGE	148	VCT-1	RB-1	PT-1, CMU-1	PT-1	PT-1, CMU-1	PT-1, CMU-1	GYP-1, PT-9	49 SF
EXISTING GYM	149	-	WB-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	EXP-2, PT-9	5681 SF
VESTIBULE	150	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1, PT-9	70 SF
BOYS TOILET	153	TR-1	TRB-1	SS-5	SS-2	SS-5	SS-5	GYP-2, PT-9	227 SF
GIRLS TOILET	154	TR-1	TRB-1	SS-2	SS-5	SS-5	SS-5	GYP-2, PT-9	218 SF
HEALTH ROOM	157	-	SGT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	142 SF
ADJUSTMENTS	158	-	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	378 SF
MDF	158A	-	-	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	66 SF
OFFICE	159	CP-1	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	223 SF
TOILET RM	160	T-2	T-2	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	24 SF

FINISH SCHEDULE

	Number	Floor Finish	Wall Base	North Wall	South Wall	East Wall	West Wall	Ceiling Finish	Area
STORAGE	161	VCT-1	SGT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	189 SF
VAULT	162	VCT-1	SGT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	136 SF
RECEPTION	163	VCT-1	SGT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	151 SF
CLERICAL	164	CP-1	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	338 SF
CORRIDOR	165	VCT-1	SGT-1	PT-1, SGT-1	PT-1, SGT-1	PT-1, SGT-1	PT-1, SGT-1	ACT-X2, PT-9	825 SF
CORRIDOR	165A	VCT-1	RB-1	PT-1, SGT-1	PT-1, SGT-1	PT-1, SGT-1	-	ACT-1, PT-9	1069 SF
SERVICE CORRIDOR	165B	VCT-1	RB-1	-	PT-1, SGT-1, CMU-1	PT-1	PT-1, SS-2	ACT-3, PT-9	217 SF
CORRIDOR	165C	VCT-1	RB-1	-	PT-1, SGT-1, CMU-1	PT-1, SS-2	PT-1, SS-2	ACT-1, PT-9	342 SF
VESTIBULE	170A	TR-1	TRB-1	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	GYP-3, PT-9	89 SF
VESTIBULE	170B	TR-1	TRB-1	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	GYP-3, PT-9	116 SF
RATED VESTIBULE (4HR)	170C	TR-1	TRB-1	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	GYP-1, PT-9	93 SF
LOBBY / PREFUNCTION	171	TR-1, TR-3	TRB-1	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	EXP-2, PT-13, GYP-3, PT-2	1525 SF
HALL	171A	TR-1	TRB-1	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	EXP-2, PT-13	1340 SF
CORRIDOR	171B	TR-1, TR-3	TRB-1	SS-2. PT-13	SS-2. PT-13	SS-2. PT-13	SS-2, PT-13	EXP-2, PT-13, GYP-3, PT-2	595 SF
HALL	171C	TR-1	TRB-1	SS-2. PT-13	SS-2. PT-13	SS-2, PT-13	SS-2, PT-13	EXP-2, PT-13	780 SF
COMMUNITY ROOM	172	TR-1, TR-2	TRB-1	PT-8	PT-3	PT-3	PT-8	ACT-4, PT-9	1881 SF
COMMUNITY RM. STORAGE	172A	TR-1	TRB-1	PT-1	PT-1	PT-1	PT-1	ACT-3, PT-9	306 SF
GYMNASIUM	173	WD-1	WB-1	PT-1, PT-4, PT-3, WT-2	PT-1, PT-4, PT-3, WT-2	PT-8, PT-4, SS-4, WT-2	PT-1, PT-8, PT-4, SS-4, WT-2	EXP-2, PT-9	7470 SF
GYM OFFICE	173A	VCT-2	RB-1	PT-1, WT-1	PT-1, WT-3	PT-1	PT-1	ACT-1, PT-9	171 SF
CPS GYM STORAGE	173B	VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-3, PT-9	217 SF
CPD GYM STORAGE	173C	VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-3, PT-9	217 SF
PUMP ROOM	173D	RS-1	RS-1	PT-1	PT-1	PT-1	PT-1	GYP-1, PT-9	227 SF
CUSTODIAL ROOM	174	RS-1	RS-1	PT-1	PT-1	PT-1	PT-1	GYP-2, PT-9	79 SF
ALL GENDER TOILET ROOM	175	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	91 SF
ALL GENDER LOCKER ROOM	176	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	143 SF
GENDER NEUTRAL RESTROOM	177	TR-1	TRB-1	SS-5	SS-5	SS-5, SS-2	SS-5, SS-2	GYP-2, PT-9	795 SF
SERVICE CORRIDOR	178	RS-1	RS-1	PT-1	PT-1	PT-1	PT-1	EXP-2	290 SF
ELECTRIC ROOM	179	RS-1	RS-1	PT-1	PT-1	PT-1	PT-1	EXP-2	156 SF
IDF	180	RT-11	RB-1	PT-1	PT-1	PT-1	PT-1	EXP-2	119 SF
STORAGE ROOM	181	RS-1	RS-1	PT-1	PT-1	PT-1	PT-1	EXP-2	106 SF
CLOSET	182	TR-1	TRB-1	PT-1	PT-1	PT-1	PT-1	GYP-1, PT-9	38 SF
CORRIDOR	200	VCT-2	CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-X2, PT-9	2614 SF
COMPUTER ROOM	201	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-1, PT-9	787 SF
MULTI-PURPOSE	202	VCT-2	SGT-1, RB-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-4, PT-9	1295 SF
STORAGE	202A	VCT-2	RB-1	PT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1	GYP-1, PT-9	112 SF
ELEVATOR MACHINE RM	202B	RS-1	RS-1	PT-1, CMU-1, WT-1	PT-1	PT-1, CMU-1	PT-1	GYP-1, PT-9	119 SF
CLSRM	203	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	815 SF
CLSRM	204	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	818 SF
CLSRM	205	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	815 SF
CLSRM	206	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	817 SF
CLSRM	207	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	814 SF
CLSRM	208	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	816 SF
CLSRM	209	VCT-2	SGT-1, RB-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-1, PT-9	816 SF
CLSRM	210	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	828 SF
SENSORIAL RM	211	VCT-2	SGT-1, RB-1	PT-1, CMU-1	PT-1, WT-1, WT-4, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-4, PT-9	793 SF
DANCE ROOM	213	RT-4	SGT-1, RB-1	PT-1, CMU-1	PT-1, WT-4, SGT-1	PT-8, CMU-1	PT-1, CMU-1	ACT-1, PT-9	804 SF
STORAGE	213A	VCT-2	CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	EXP-2, PT-9	117 SF
BOY'S TOILET	214	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	198 SF
JANITOR CLOSET	215	RS-1	RS-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-X, PT-9	40 SF
GIRL'S TOILET	216	TR-1	TRB-1	SS-5	SS-5	SS-2	SS-5	GYP-2, PT-9	202 SF
STAIR #2	217	-	-	SGT-1	SGT-1	SGT-1	SGT-1	GYP-X, PT-9	259 SF
STAIR #1	218	-	-	SGT-1	SGT-1	SGT-1	SGT-1	GYP-X, PT-9	251 SF
BOYS TOILET	219	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	204 SF
GIRLS TOILET	220	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	209 SF
ACCESSIBLE ALL GENDER	221	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	54 SF
STORAGE	222	VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	GYP-1, PT-9	9 SF
VESTIBULE	223	VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1, PT-9	104 SF
CORRIDOR	300	VCT-2	SGT-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1, CMU-1	PT-1, SGT-1,CMU-1	PT-1, SGT-1, CMU-1	ACT-X2, PT-9	2636 SF
CLSRM	301	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	787 SF
INCENTIVE ROOM	302	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-1, PT-9	797 SF
CLSRM	303	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	815 SF
COMPUTER ROOM	304	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-1, PT-9	818 SF
CLSRM	305	VCT-2	SGT-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-X1, PT-9	815 SF
CLSRM	306	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-X1, PT-9	817 SF
PULL-OUT ROOM	308	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-1, PT-9	816 SF
SCIENCE LAB	309	VCT-2	SGT-1, RB-1	PT-8, PT-10, CMU-1	PT-1, WT-1, CMU-1	PT-10, PT-1, CMU-1	PT-1, CMU-1	ACT-1, PT-9	1446 SF
SCIENCE LAB STORAGE	309A	VCT-2	SGT-1, RB-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	ACT-3, PT-9	165 SF
RESOURCE ROOM	310	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-1, PT-9	814 SF
MUSIC ROOM	311	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-4, PT-9	807 SF
GAME ROOM	312	VCT-2	SGT-1	PT-1, WT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-8, CMU-1	ACT-1, PT-9	830 SF
VISUAL ART RM	313	VCT-2	SGT-1, RB-1	PT-1, CMU-1	PT-1, WT-1, CMU-1	PT-8, CMU-1	PT-1, CMU-1	ACT-1, PT-9	806 SF
STORAGE	313A	VCT-2	SGT-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	EXP-2, PT-9	117 SF
BOY'S TOILET	314	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	195 SF
GIRL'S TOILET	315	TR-1	TRB-1	SS-5	SS-5	SS-2	SS-5	GYP-2, PT-9	202 SF
JANITOR'S CLOSET	316	RS-1	RS-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	PT-1, CMU-1	GYP-2, PT-9	40 SF
STAIR #2	317	-	-	SGT-1	SGT-1	SGT-1	SGT-1	GYP-X, PT-9	259 SF
STAIR #1	318	-	-	SGT-1	SGT-1	SGT-1	SGT-1	GYP-X, PT-9	254 SF
BOY'S TOILET	319	TR-1	TRB-1	SS-5	SS-5	SS-5	SS-2	GYP-2, PT-9	205 SF
GIRL'S TOILET	320	TR-1	TRB-1	SS-5	SS-5	SS-2	SS-5	GYP-2, PT-9	214 SF
ACCESSIBLE ALL GENDER	321	TR-1	TRB-1	SS-5	SS-2	SS-5	SS-5	GYP-2, PT-9	55 SF
STORAGE	322	VCT-2	RB-1	PT-1	PT-1	PT-1, CMU-1	PT-1	GYP-1, PT-9	9 SF
VESTIBULE	323	VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1, PT-9	104 SF

EXISTING BUILDING PAINT SCOPE:

1. PAINT AS SCHEDULED IN ROOM SCHEDULE
2. PRIME AND PAINT ALL ROOMS AND SPACES WITHIN THE EXISTING SCHOOL, INCLUDING ROOMS WITH NO SCOPE SHOWN ON DRAWINGS.
3. DO NOT PAINT ANY EXISTING GLAZED TILE OR GLAZED MASONRY. LOCATION OF GLAZED TILE OR GLAZED MASONRY WAINSCOT INCLULDES BUT IS NOT LIMITED TO, CORRIDORS, GYMNASIUM, LUNCHROOM, KITCHEN. VERIFY CONSTRUCTION IN FIELD

GENERAL PAINT NOTES:

1. REVIEW QUALITY ASSURANCE REQUIREMENTS IN SPECIFICATIONS, GC TO SCHEDULE A PRE-APPLICATION CONFERENCE PRIOR TO PAINTING. SEE RENOVATION PAINTING SPECIFICATION FOR ADDITIONAL INFORMATION.
2. IN ALL ROOMS SCHEDULE TO BE PAINTED, PAINT ALL MISCELLANEOUS METAL INCLUDING AIR GRILLES, PIPES, LOUVERS, RACEWAY, ETC. SCUFF SAND AND CLEAN METAL SURFACES TO REMOVE CONTAMINANTS.
3. REMOVE ALL LOOSE, CRACKED, AND PEELING PAINT, WHERE NOT AT CMU WALLS, SKIM COAT SURFACE IN ORDER TO ACHIEVE A UNIFORM FINISH. ALLOW FOR 300SF
4. PATCH HOLES IN WALLS AND CEILINGS GREATER THAN 1/4" IN ANY DIRECTION. SKIM COAT WALL IN AREA OF REMOVED TRIM. PREP AND PRIME WITH FLAT, WHITE LATEX PRIMER PRIOR TO PAINTING. ALLOW FOR 200SF IN ADDITION TO PATCH AND REPAIR SCOPE ALREADY NOTED ON THE DRAWINGS
5. PAINT ALL EXPOSED DUCTWORK, PIPING, CONDUIT, JUNCTION BOXES, AND SIMILAR ITEMS THAT ARE EXISTING TO REMAIN, PAINT COLOR TO MATCH ADJACENT WALL OR CEILING SURFACE.
6. SCUFF SAND ALL BRICK, BLOCK, AND TILE, CLEAN SURFACE TO REMOVE ANY SURFACE CONTAMINANTS PRIOR TO PAINTING.
7. WHERE EXISTING FIRE ALARM/ELECTRICAL DEVICES, OR SIGNAGE ARE REMOVED, PATCH AND PAINT SURFACES TO MATCH ADJOINING SURFACES.
8. AT EXISTING CONCRETE CEILINGS AND STRUCTURE TO RECEIVE PAINT, ASSUME CEMENTITIOUS SURFACE PATCHING FOR 30% OF AREA.

ANNEX ACOUSTICAL METAL DECKING

1. PROVIDE ACOUSTICAL METAL DECKING THROUGHOUT THE ENTIRE ANNEX, SEE STRUCTURAL.

2. BASIS OF DESIGN IS EPIC METALS CORPORATION TORIS A. PROVIDE ACOUSTICAL ELEMENTS TO ACHIEVE MINIMUM NRC 0.95

3. EXPOSED ACOUSTICAL DECKING AT THE ANNEX GYM TO BE FACTORY FINISHED WHITE TO MATCH CEILING COLORS

4. EXPOSED ACOUSTICAL DECKING AT ALL OTHER LOCATIONS TO BE FACTORY FINISHED BLACK TO MATCH CEILING AND WALL FINISHES

5. COVER AND PROTECT FINISH ON EXPOSED DECKING WHILE PAINTING ADJACENT ELEMENTS, INCLUIDNG BUT NOT LIMITED TO WALLS, STRUCTURE, MEPFP INFRASTRUCTURE.

EXPOSED MEPFP EQUIPMENT AND EXPOSED STRUCTURE

1. ALL EXPOSED STRUCTURE TO BE PAINTED TO MATCH ADJACENT SURFACES

2. ALL EXPOSED MEPFP EQUIPMENT TO BE PAINTED TO MATCH ADJACENT SURFACES

NOTE REMOVED IN ADDENDUM 05

PUBLIC BUILDING COMMISSION
Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
CHICAGO, IL 60612

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

Architect of Record:

KOO LLC
55 WACKER DR,
STE 600C
CHICAGO, IL 60601
312-235-0920 PH

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WSP
30 N LaSalle Street Suite 4200
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STRUCTURAL ENGINEER
Milhouse Engineering & Construction
333 South Wabash Avenue
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CIVIL ENGINEER
TERRA Engineering, LTD.
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Chicago, IL 60654

LANDSCAPE ARCHITECT
TERRA Engineering, LTD.
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ENVIRONMENTAL ENGINEER
Environmental Design International
33 W Monroe ST #1825
Chicago, IL 60603

ENVIRONMENTAL RENO/DEMO
Specialty Consulting Inc.
2942 W Van Buren St
Chicago, IL 66012

REVISIONS

NO.	DATE	DESCRIPTION
3	04/07/23	75% CD
4	04/28/23	100% CD
5	05/04/23	IFB
7	05/26/23	ADDENDUM 02
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

SCALE:

PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

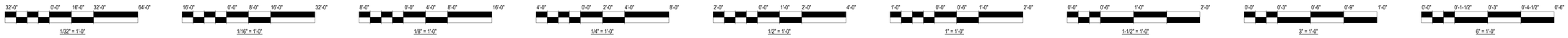
Project No: 2138

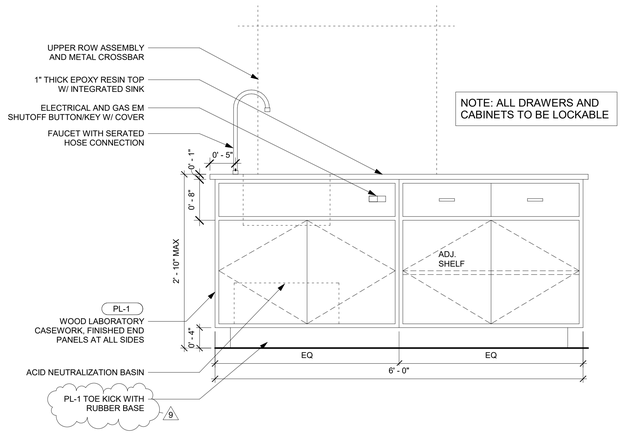
Title

FINISH NOTES AND SCHEDULE

Sheet NOT FOR CONSTRUCTION

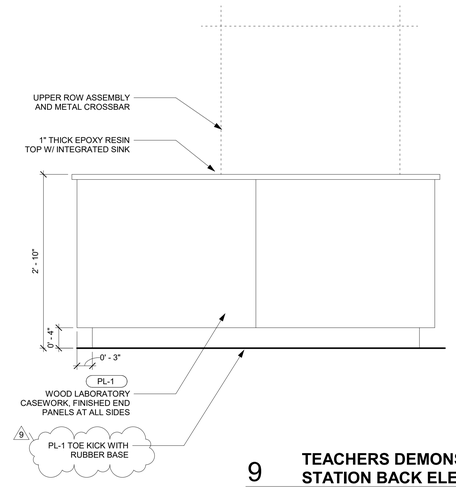
A-502





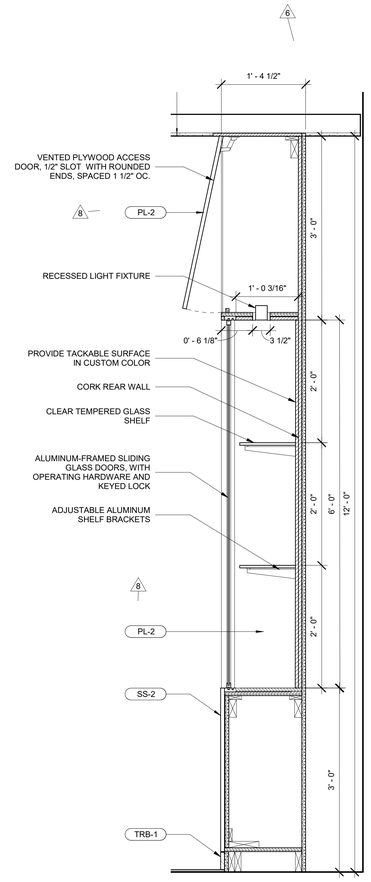
10 TEACHERS DEMONSTRATION STATION FRONT ELEVATION

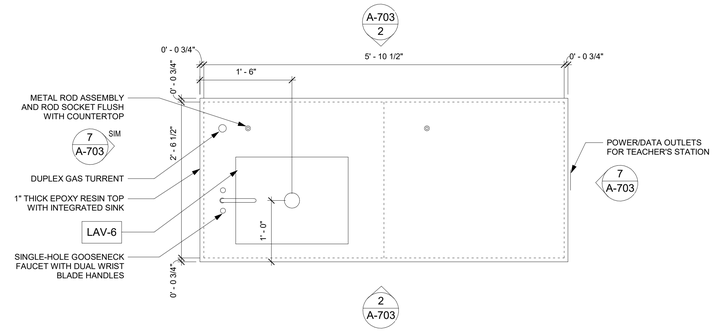
SCALE: 1" = 1'-0"



9 TEACHERS DEMONSTRATION STATION BACK ELEVATION

SCALE: 1" = 1'-0"





8 TEACHERS DEMONSTRATION STATION PLAN

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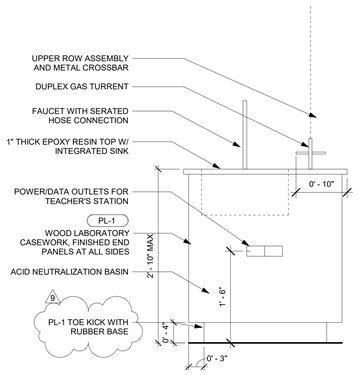

7 TEACHERS DEMONSTRATION STATION SECTION

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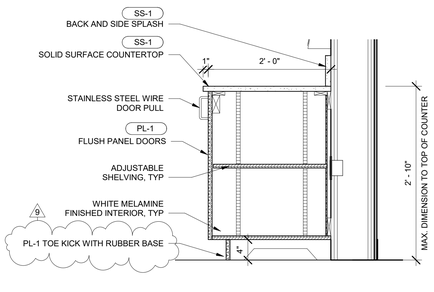
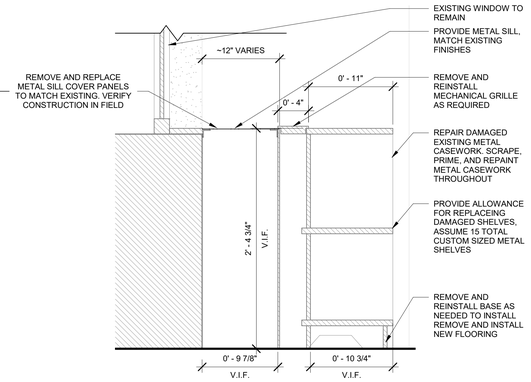


6 COMMUNITY RM MILLWORK SECTION

SCALE: 1" = 1'-0"

5 DISPLAY CASE SECTION - ANNEX S LOBBY AND N/S HALL

SCALE: 1" = 1'-0"



4 METAL SILL REPAIR SECTION DETAIL

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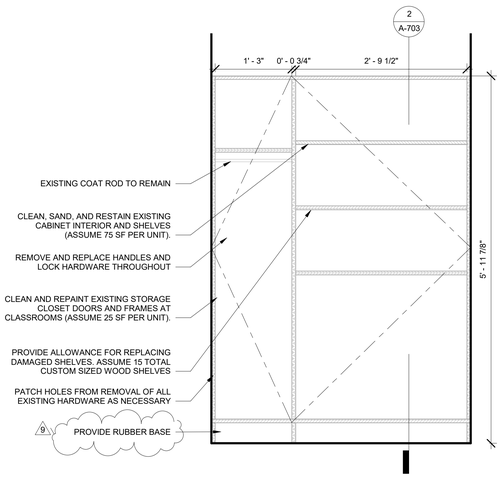

3 CLRM MILLWORK - TYPE 1

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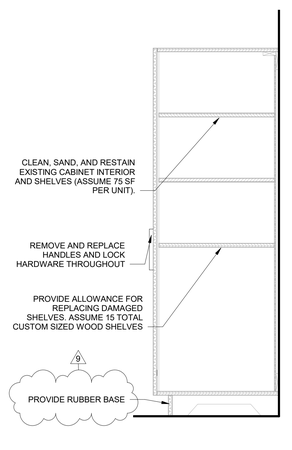

2 CLRM MILLWORK SECTION - TYPE 1

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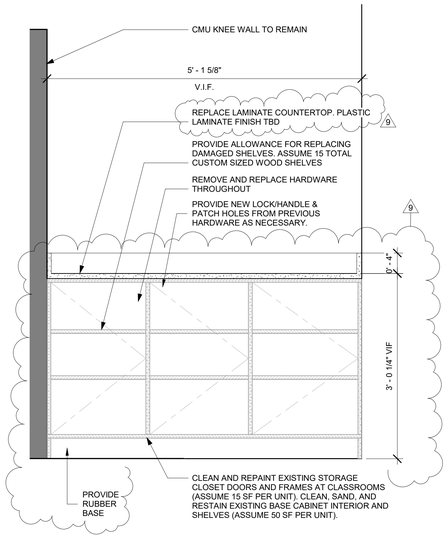


1 CLRM MILLWORK TYPE 2 DETAIL

SCALE: 1" = 1'-0"

PUBLIC BUILDING COMMISSION
Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
CHICAGO, IL 60612

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

Architect of Record:
KOO LLC
55 WACKER DR,
STE 600C
CHICAGO, IL 60601
312-235-0920 PH

MEPFP ENGINEER
WSP
30 N LaSalle Street Suite 4200
Chicago, IL 60602

STRUCTURAL ENGINEER
Milhouse Engineering & Construction
333 South Wabash Avenue
Chicago, IL 60604

CIVIL ENGINEER
TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654

LANDSCAPE ARCHITECT
TERRA Engineering, LTD.
225 W Ohio St, 4th Floor
Chicago, IL 60654

ENVIRONMENTAL ENGINEER
Environmental Design International
33 W Monroe ST #1825
Chicago, IL 60603

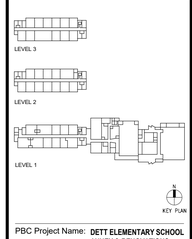
ENVIRONMENTAL RENO/DEMO
Specialty Consulting Inc.
2942 W Van Buren St
Chicago, IL 66012

REVISIONS

NO.	DATE	DESCRIPTION
3	04/07/23	75% CD
4	04/28/23	100% CD
5	05/04/23	IFB
6	05/19/23	ADDENDUM 01
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

SCALE: As indicated



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

MILLWORK DETAILS

Sheet NOT FOR CONSTRUCTION

A-703

32'-0" 0'-0" 16'-0" 32'-0" 64'-0"
1/32" = 1'-0"

16'-0" 0'-0" 8'-0" 16'-0" 32'-0"
1/16" = 1'-0"

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

4'-0" 0'-0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

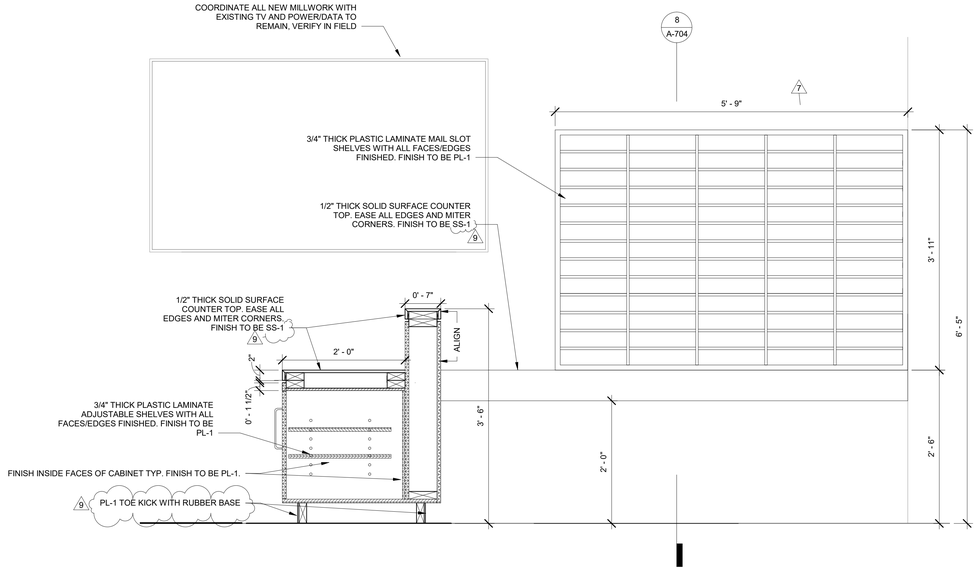
2'-0" 0'-0" 1'-0" 2'-0" 4'-0"
1/2" = 1'-0"

1'-0" 0'-0" 0'-6" 1'-0" 2'-0"
1" = 1'-0"

0'-0" 0'-6" 1'-0" 2'-0"
1-1/2" = 1'-0"

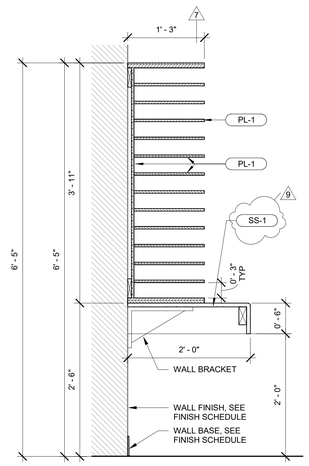
0'-0" 0'-3" 0'-6" 0'-9" 1'-0"
3" = 1'-0"

0'-0" 0'-1-1/2" 0'-3" 0'-4-1/2" 0'-6"
6" = 1'-0"



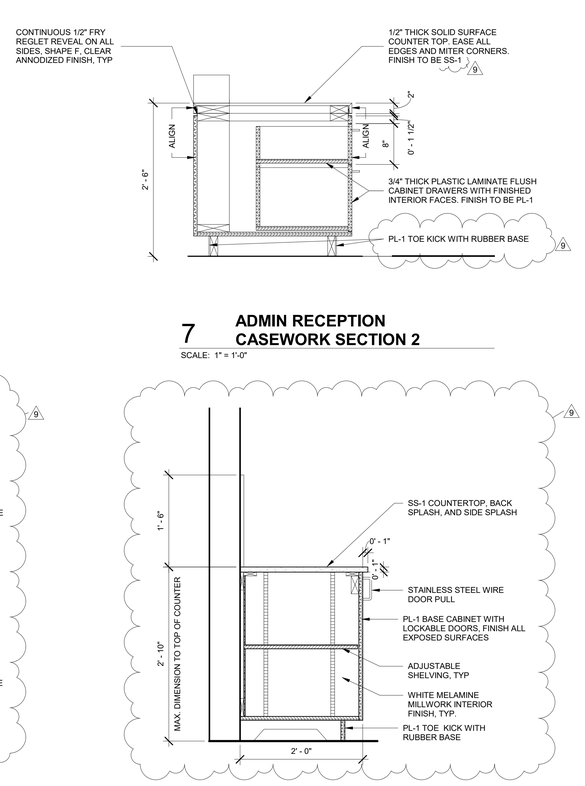
9 MAIL SLOT ELEVATION

SCALE: 1" = 1'-0"



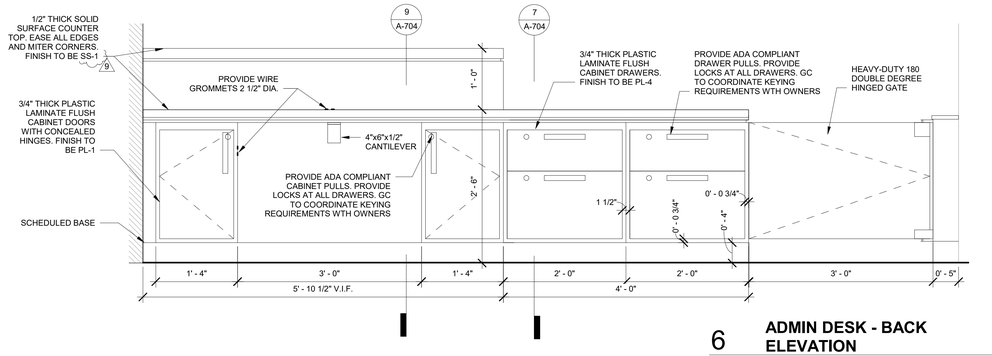
8 MAILSLOT

SCALE: 1" = 1'-0"



7 ADMIN RECEPTION CASEWORK SECTION 2

SCALE: 1" = 1'-0"



6 ADMIN DESK - BACK ELEVATION

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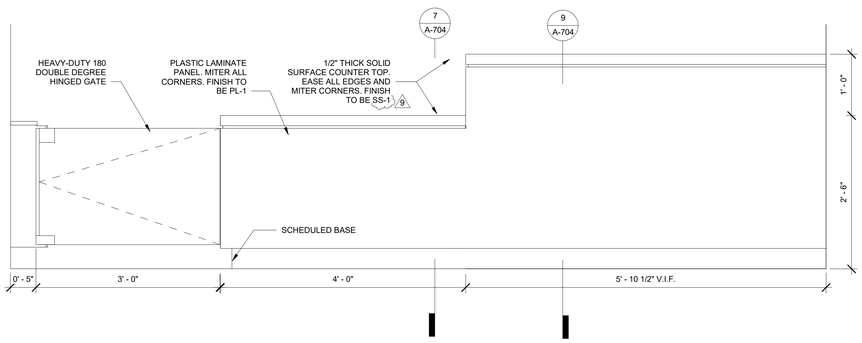
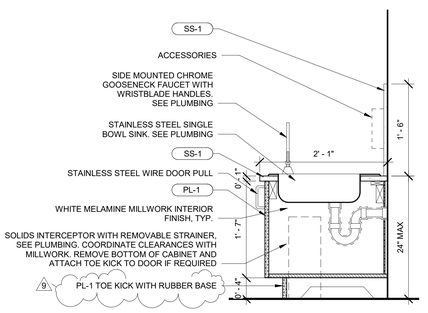


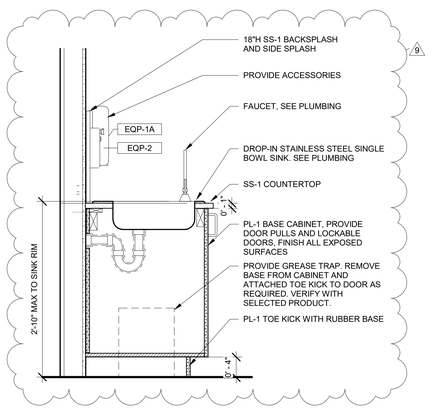
3 ADMIN DESK - FRONT ELEVATION

SCALE: 1" = 1'-0"



2 CLASSROOM MILLWORK @ CHILD SINK

SCALE: 1" = 1'-0"

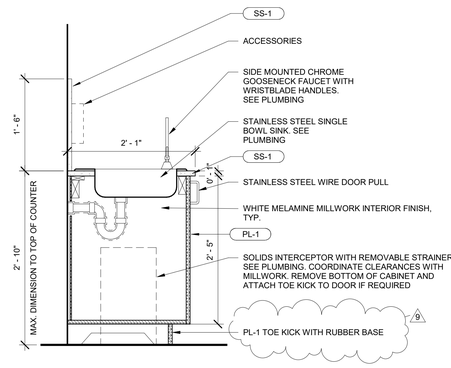


5 STAFF ROOM SINK DETAIL

SCALE: 1" = 1'-0"

4 STAFF ROOM MILLWORK, TYP.

SCALE: 1" = 1'-0"



1 CLASSROOM MILLWORK @ ADULT SINK

SCALE: 1" = 1'-0"

PUBLIC BUILDING COMMISSION
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DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

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REVISIONS

NO.	DATE	DESCRIPTION
3	04/07/23	75% CD
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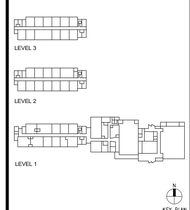
7	05/26/23	ADDENDUM 02
9	06/09/23	ADDENDUM 05

DRAWN BY: KOO LLC

SCALE: 1" = 1'-0"



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

MILLWORK DETAILS

Sheet NOT FOR CONSTRUCTION

A-704

1/32" = 1'-0" 1/16" = 1'-0" 1/8" = 1'-0" 1/4" = 1'-0" 1/2" = 1'-0" 1" = 1'-0" 1-1/2" = 1'-0" 3" = 1'-0" 6" = 1'-0"

GENERAL SYMBOLS

- BRANCH CIRCUIT PANELBOARD
- DISTRIBUTION PANELBOARD
- IM — CUSTOMER OWNED DIGITAL METER
- TRANSFORMER
- M — ELECTRIC UTILITY (COMED) METER
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MAGNETIC MOTOR STARTER
- COMBINATION STARTER/DISCONNECT SWITCH
- M — MOTOR.
- MOTOR/EQUIPMENT TAG
- $T — SINGLE POLE MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION FOR FRACTIONAL SINGLE PHASE MOTORS.
- $a — SINGLE POLE WALL SWITCH WHERE: 'a' IS THE DESIGNATION INDICATING WHAT LIGHTS ARE CONTROLLED BY THAT SWITCH
- $VS — VACANCY SENSOR WALL SWITCH (7)
- F / Na — LIGHT FIXTURE WHERE: 'F' IS THE FIXTURE TAG 'N' IS THE CIRCUIT NUMBER 'a' IS THE SWITCH DESIGNATION
- EM / N — LIGHT FIXTURE PROVIDED WITH INTEGRAL BATTERY BACKUP WHERE: 'EM' IS THE DESIGNATION FOR EMERGENCY PANEL 'N' IS THE CIRCUIT NUMBER IN THE EMERGENCY PANEL
- A — CIRCUIT BREAKER "____ A" INDICATES TRIP RATING/SETTING (AMPS)
- GFR — GROUND FAULT PROTECTIVE RELAY
- A — FUSIBLE SWITCH "___ A" INDICATES DISCONNECT TRIP RATING AND FUSE SIZE, RESPECTIVELY (AMPS)
- ATS — AUTOMATIC TRANSFER SWITCH
- GROUND
- CURRENT TRANSFORMER
- OS — OCCUPANCY SENSOR
- VS — VACANCY SENSOR
- DH — DAYLIGHT HARVESTING SENSOR
- EXIT SIGN - SINGLE FACE (8)
- EXIT SIGN - DUAL FACE
- M — METERING DATA POINT (8)
- H — DOOR HOLD

RACEWAYS & WIRING

- CONDUIT HOMERUN
  - PHASE
  - NEUTRAL
  - GROUND
- CONDUIT - SURFACE MOUNTED OR CONCEALED
- CONDUIT UNDERFLOOR OR UNDERGROUND
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- FLEXIBLE CONDUIT
- J — JUNCTION BOX
- J — JUNCTION BOX - WALL MOUNTED
- J — JUNCTION BOX UNDER FLOOR
- PB — PULLBOX

FIRE ALARM SYMBOLS LIST

- FA — CITY FIRE ALARM BOX
- S — PULL STATION
- D — HEAT DETECTOR
- A — AUDIO ALARM DEVICE
- V — VISUAL ALARM DEVICE WHERE: 75cd INDICATES 75 CANDELA STROBE
- AV — AUDIO/VISUAL ALARM DEVICE
- FACP — FIRE ALARM CONTROL PANEL
- FAA — FIRE ALARM ANNUNICIATOR PANEL
- WF — WATER FLOW SWITCH
- VSS — SPRINKLER VALVE SUPERVISORY (TAMPER) SWITCH
- DD — DUCT SMOKE DETECTOR
- SSCP — SPRINKLER SUPERVISORY CONTROL PANEL
- SSA — SPRINKLER SUPERVISORY ANNUNICATOR PANEL
- PS — PRESSURE SWITCH
- SD — SMOKE DETECTOR
- HD — HEAT DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- RTS — REMOTE ALARM/TEST SWITCH MOUNTED ON AVAILABLE WALL SPACE (7)

ABBREVIATIONS

A -	AMPS
AFF -	ABOVE FINISHED FLOOR
A/C -	AIR CONDITIONING
AHU -	AIR HANDLING UNIT
ATS -	AUTOMATIC TRANSFER SWITCH
BSMT -	BASEMENT
BPS -	BOLTED PRESSURE SWITCH
C -	CONDUIT
CCT -	CIRCUIT
C/B -	CIRCUIT BREAKER
CLG -	CEILING
C0 -	CARBON MONOXIDE DETECTOR
CP -	CONTROL PANEL
CU -	COPPER
CT -	CURRENT TRANSFORMER
DIA -	DIAMETER
D/S -	DISCONNECT SWITCH
DIV -	DIVISION
DWG -	DRAWING
EC -	ELECTRICAL CONTRACTOR
EQUIP -	EQUIPMENT
ELECT -	ELECTRIC, ELECTRICAL
EM -	EMERGENCY
ER-	EXISTING TO REMAIN
EX-	EXISTING (8)
F&I -	FURNISH AND INSTALL
FCU -	FAN COIL UNIT
F -	FUSE
FDR -	FEEDER
FLA -	FULL LOAD AMPS
FLR -	FLOOR
FPC -	FIRE PUMP CONTROLLER
FIXT -	FIXTURE
FVNR -	FULL VOLTAGE, NON REVERSING (MAGNETIC STARTER)
GFI -	GROUND FAULT INTERRUPTER
GRD -	GROUND
HP -	HORSEPOWER
HOA -	HAND-OFF-AUTO
IG -	ISOLATED GROUND
J/B -	JUNCTION BOX
LTG -	LIGHTING
JPC -	JOCKEY PUMP CONTROLLER
M -	MOTOR
MCB -	MAIN CIRCUIT BREAKER
MCC -	MOTOR CONTROL CENTER
MCP -	MAXIMUM CIRCUIT PROTECTION
MLO -	MAIN LUGS ONLY
MECH -	MECHANICAL
MOCP -	MAIN OVERCURRENT PROTECTION
N -	NEW (9)
N/A -	NOT APPLICABLE
NC -	NORMALLY CLOSED
NIC -	NOT IN CONTRACT
NO -	NORMALLY OPEN
NTS -	NOT TO SCALE
O/H -	OVERHEAD
OL -	OVERLOAD
PB -	PUSHBUTTON
PNL -	PANEL
PRI -	PRIMARY
PT -	POTENTIAL TRANSFORMER
S -	SWITCH
R -	RELOCATED
SEC -	SECONDARY
SW -	SWITCH
SWBD -	SWITCHBOARD
SWGR -	SWITCHGEAR
TR -	TRANSFORMER
UPS -	UNINTERRUPTIBLE POWER SUPPLY
V -	VOLTS
VFD -	VARIABLE FREQUENCY DRIVE
WP -	WEATHERPROOF
W -	WATTS

(7)

GENERAL NOTES

1. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.

2. THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THIS CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, SPECIFICATIONS GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.

3. THE CONTRACTOR SHALL CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO INSURE THAT NO FIXTURE, OUTLET, ALARM STATION OR CONTROL AND POWER WIRING IS OMITTED. THIS INCLUDES CONSULTING AND OBTAINING DATA FROM ALL TRADES FURNISHING EQUIPMENT. IN CASES WHERE ONLY EQUIPMENT, FIXTURES AND DEVICES ARE SHOWN. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED FOR THE PROPER FUNCTION OF BUILDING EQUIPMENT.

4. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO ENSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS MUST BE CAREFULLY CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.

5. COORDINATE WITH OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.

6. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT AND/OR MECHANICAL UNITS. ALL WIRING SHALL BE ENCLOSED IN CONDUIT OR SURFACE METAL RACEWAY.

7. THE CONDUIT SHALL BE USED EVERYWHERE WHEN IT CAN BE CONCEALED. THE SURFACE MOUNTED RACEWAY SHALL BE UTILIZED IN FINISHED SPACES WHEN THE CONDUIT CANNOT BE INSTALLED CONCEALED.OBTAIN APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION OF ANY PROPOSED SURFACE MOUNTED RACEWAY AND ROUTING. (7)

8. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS. (8)

9. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL DEVICES WITH THE ARCHITECTURAL PLANS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL DETAILS, ELEVATIONS AND MILLWORK/CASEWORK DETAILS.

10. REMOVE ALL CABLING, CONDUIT AND DEVICES IN THE BUILDING THAT ARE NOT BEING REUSED. MAKE SUFFICIENT ALLOWANCE IN PRICING. NO CHANGE ORDERS WILL BE APPROVED FOR REMOVAL OF THESE ITEMS.

11. WHEN WALLS ARE TO BE SPRAY PAINTED. CARE MUST BE TAKEN REGARDING THE CONCENTRATOR ENCLOSURES. THE ENCLOSURES ARE TO BE POWERED DOWN AND COVERED UNTIL THE SPRAY PAINTING IS COMPLETED. NOTIFY (773 553 1299) WHEN ENCLOSURES ARE TO BE POWERED DOWN.

12. FOR ALL WIRELESS ACCESS POINTS AND/OR CISCO DATA SWITCHES THAT NEED TO BE MOVED THE CONTRACTOR MUST CONTACT THE CPS SERVICE OPERATIONS CENTER (SOC) @ 773 553 1299 TO MAKE THESE ARRANGEMENTS. THIS WORK IS BILLABLE TO THE PROJECT. SHOULD SUCH EQUIPMENT BE "LOST" DURING THE PROJECT, THE CONTRACTOR WILL THEN BECOME LIABLE FOR THE COST TO REPLACE SUCH EQUIPMENT.

13. DE-RATING OF NEUTRALS IS PROHIBITED. EACH 120V, SINGLE-PHASE CIRCUIT SHALL BE PROVIDED WITH DEDICATED NEUTRAL. SHARED NEUTRALS ARE NOT ALLOWED. (7)

14. WHERE HOMERUN EXCEEDS 100 FEET, CONDUCTOR GAUGE SIZE WILL BE INCREASED ONE WIRE GAUGE. (8)

15. PROVIDE TAMPER RESISTANT RECEPTACLES FOR THE ELEMENTARY SCHOOL IN COMPLIANCE WITH CHICAGO CODE SECTION 406.12.

16. WIRE LIGHTING BATTERY UNITS AHEAD OF SWITCH IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTION.

17. ALL REMOTE DRIVERS AND ACCESSORIES FOR ELECTRICAL FIXTURES OR DEVICES SHALL BE INSTALLED IN ACCESSIBLE AREAS.

18. CLASSROOMS WITH NEW LIGHTING FIXTURES WILL RECEIVE MULTI-LEVEL LIGHT CONTROL, DAYLIGHT HARVESTING, AND VACANCY SENSORS (AND MOTION SENSORS FOR 1ST FLOOR CLASSROOMS ONLY). ALL-GENDER TOILET ROOMS, OFFICES, AND CLOSETS WITH NEW LIGHTING FIXTURES WILL RECEIVE VACANCY SWITCHES. ROOMS THAT ARE RELAMPED ONLY WILL RECIEVE SINGLE-POLE TOGGLE SWITCHING. GIRL'S AND BOY'S TOILET ROOMS WILL RECEIVE OCCUPANCY SENSORS WITH KEY SWITCHES EACH. CORRIDORS AND LOBBY'S WILL BE SWITCHED VIA BAS WITH KEY SWITCH OVERRIDE. NEW BUILDING ROOMS (I.E. ELEVATOR MACHINE ROOMS) WILL RECIEVE SINGLE-POLE TOGGLE SWITCHING. EXTERIOR LIGHTING WILL BE CONTROLLED BY EXISTING TIMECLOCK SERVING EXISTING EXTERIOR LIGHTING. NEW ANNEX : BUILDING ROOMS (I.E. ELECTRICAL ROOM, IDF ROOM, FIRE PUMP ROOM) WILL RECEIVE SINGLE-POLE TOGGLE SWITCHING. CORRIDORS AND LOBBY'S WILL BE SWITCHED VIA BAS WITH KEY SWITCH OVERRIDE. COMMUNITY ROOM AND GYMNASIUM WILL RECEIVE PROGRAMMABLE LIGHTING CONTROL AND OCCUPANCY SENSORS FOR A PARTITIONED AND NON-PARTITIONED ROOM. STORAGE ROOMS WILL RECIEVE OCCUPANCY SENSORS. ALL-GENDER TOILET ROOMS AND CUSTODIAL ROOM WILL RECEIVE VACANCY SWITCHES. EXTERIOR LIGHTING WILL BE CONTROLLED BY TIMECLOCK. (8)

(7)

POWER SYMBOLS

RECEPTACLES AT BELTLINE TO BASELINE TO BE TAMPER-RESISTANT.

WALL MOUNTED	FLOOR BOX	POKE-THROUGH	CEILING MOUNTED	
				DUPLEX RECEPTACLE
				QUAD RECEPTACLE
				SINGLE RECEPTACLE
IG	IG	IG	IG	ISOLATED GROUND DUPLEX RECEPTACLE
IG	IG	IG	IG	ISOLATED GROUND QUAD RECEPTACLE
IG	IG	IG	IG	COMBINATION IG DUPLEX RECEPTACLE, DUPLEX RECEPTACLE AND TELEPHONE/ DATA SYSTEMS OUTLET
				SPECIAL RECEPTACLE - REFER TO SPECIAL RECEPTACLE SCHEDULE
P J	P	P		JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL EQUIPMENT OR FURNITURE SYSTEM POWER CONNECTION

WP XX — ADJACENT LETTERS IN THE SYMBOLS ABOVE INDICATE THE FOLLOWING:

- "CR" INDICATES CHILD RESISTANT (SAFETY TYPE)
- "CS" CHARGING STATION
- "E" RECEPTACLE FED BY EMERGENCY CIRCUIT
- "EP" RECEPTACLE IS EXPLOSION PROOF
- "EWC" RECEPTACLE SERVES ELECTRIC WATER COOLER
- "GFI" RECEPTACLE HAS GROUND FAULT CIRCUIT INTERRUPTER
- "IG" RECEPTACLE HAS ISOLATED GROUND-COMPUTER
- "SPD" SURGE PROTECTION DEVICE
- "WP" RECEPTACLE HAS WATERPROOF COVER
- "XX" RECEPTACLE CIRCUIT NUMBER
- "S" RECEPTACLE IS SAFETY TYPE

- DUPLEX RECEPTACLE - MOUNTING HEIGHT AS NOTED ABOVE COUNTER
- CLOCK OUTLET AND CLOCK FOR INTEGRATED CLOCK SYSTEM.
- DF — DUAL FACED CLOCK OUTLET AND CLOCK FOR INTEGRATED CLOCK SYSTEM.

(7)

EXIT - DIRECTIONAL SIGN SCHEDULE

SINGLE - FACE		DOUBLE - FACE	
TAG NO.	DESCRIPTION	TAG NO.	DESCRIPTION
2A	STAIRS	17A	STAIRS
3	EXIT	18	EXIT
5A	STAIRS →	20A	STAIRS →
6	EXIT →	21	EXIT →
8A	← STAIRS	23A	↔ STAIRS
9	← EXIT	24	↔ EXIT
11A	↔ STAIRS		
12	EXIT		

NOTE:

1. ALL EXIT SIGNS SHALL COMPLY WITH LOCAL CODE RULES AND ORDINANCES AND MEET OSHA REQUIRMENTS.
2. ELECTRICAL PRIME CONTRACTOR SHALL VERIFY TYPE OF MOUNTING WITH ARCHITECT FOR ALL EXIT SIGNS PRIOR TO ORDERING.

COMMUNICATIONS SYMBOLS

WALL MOUNTED	CEILING MOUNTED	
S	S	SPEAKER
S P	S P	PAGING SPEAKER
S		CLASSROOM INTERCOM SPEAKER/MICROPHONE
		INTERCOM, WALL MOUNTED
ADM		ADMINISTRATIVE INTERCOM MASTER STATION
CCE		CLASSROOM CONCENTRATOR ENCLOSURE
LCE		LAB CONCENTRATOR ENCLOSURE
SCE		SHARED CONCENTRATOR BOX
TCE		THREE CLASSROOM CONCENTRATOR ENCLOSURE
QCE		VANDAL RESISTANT WEATHER PROOF PUSH-BUTTON FOR INTERCOM
ACE		ADMINISTRATIVE CONCENTRATOR ENCLOSURE
TV		CABLE TELEVISION, CATV - 6 INCHES BELOW CEILING WHEN CEILING LESS THAN 9 FEET-6 INCHES - 9 FEET AFF WHEN CEILING GREATER THAN 9 FEET-6 INCHES
K		DATA OUTLET FOR KRONOS TERMINAL
PP		PUSH PLATE FOR ADA DOOR OPERATOR
WP		FOUR CLASSROOM CONCENTRATOR ENCLOSURE (QUAD)
RLC		ROLLER SHADE LOGIC CONTROLLER
MJ		MICROPHONE JACK
VC		VOLUME CONTROL
ICC		INTERCOM CONTROL CABINET
		BUZZER
T		TRANSFORMER

WALL MOUNTED	FLOOR BOX	POKE-THROUGH	CEILING MOUNTED	SUBSCRIPT INDICATES THE FOLLOWING: WALL MOUNTED OUTLETS, (U.N.O.): "H" HANDICAP, REFER TO DRAWINGS FOR MOUNTING HEIGHT "W" WALL MOUNTED AT 54 INCHES A.F.F. "M" AUTOMATIC METER READER OUTLET "AS" ATTENDANCE SWIPE "K" FOR KRONOS
				TELEPHONE OUTLET
				DATA AND TELEPHONE SYSTEMS
				HDMI SYSTEMS OUTLET
D J	D	D		JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL EQUIPMENT OR FURNITURE SYSTEM CONNECTION. SUBSCRIPT INDICATES THE FOLLOWING: "D" DATA AND TELEPHONE SYSTEMS

WALL MOUNTED	CEILING MOUNTED	
MD	MD	MOTION DETECTOR - 9 FEET AFF WHEN CEILING GREATER THAN 9 FEET-6 INCHES - 6 INCHES BELOW CEILING WHEN CEILING LESS THAN 9 FEET-6 INCHES
		DUAL DIGITAL VIDEO SURVEILLANCE
		DIGITAL VIDEO SURVEILLANCE
		4 CAMERA DIGITAL VIDEO SURVEILLANCE
CRE		CONCENTRATOR REMOTE ENCLOSURE FOR SECURITY
CCTV J M		OUTLET FOR FUTURE CCTV MONITORS
MS		ACCESS CONTROL - MASTER STATION
AP		ACCESS CONTROL - DOOR STATION
IDP		INTRUSION DETECTION PANEL
IPCAM		DVS IP CAMERA (PTZ = PAN TILT ZOOM)
CR		CARD READER
ES		ELECTRIC STRIKE
DC		DOOR CONTACT
KP		INTRUSION DETECTION SYSTEM KEYPAD
EPO		EMERGENCY POWER OFF
LRMD		LONG-RANGE MOTION DETECTOR
MD		MOTION DETECTOR
H		HDMI
H		HDMI & USB
R		AUDIO EQUIPMENT RACK SIGNAL CIRCUIT JUNCTION BOX
A		AUDIO SPEAKER JUNCTION BOX
M		MICROPHONE/LINE INPUT FLOOR POCKET
		CEILING MOUNTED MONITOR SPEAKER JUNCTION BOX
M		MICROPHONE/LINE INPUT FLOOR POCKET
J		AUDIO EQUIPMENT SIGNAL CIRCUIT JUNCTION BOX
VC		AUDIO VOLUME CONTROL
C		WIRELESS CLOCK; "P" DENOTES A/C-POWERED (8)
B		BELL
WAP		WIRELESS ACCESS POINT

WALL MOUNTED	FLOOR BOX	POKE-THROUGH	CEILING MOUNTED	SUBSCRIPT INDICATES THE FOLLOWING FOR WALL MOUNTED OUTLETS, (U.N.O.): "PTZ" PAN TILT ZOOM CAMERA "FIX" FIXED CAMERA "V" VANDEL DOME FOR INSIDE CAMERA "VE" VANDEL DOME FOR OUTSIDE CAMERA

2018 CHICAGO ELECTRICAL CODE

PUBLIC BUILDING COMMISSION
Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST, CHICAGO, IL 60612

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CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

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CIVIL ENGINEER
TERRA Engineering, LTD.
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Chicago, IL 60654

LANDSCAPE ARCHITECT
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Environmental Design International
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Specialty Consulting Inc.
2942 W Van Buren St
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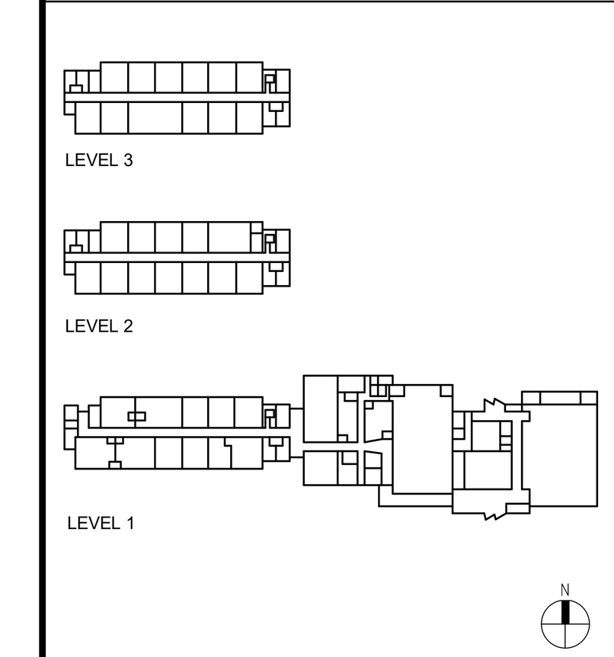
REVISIONS

NO.	DATE	DESCRIPTION
1	12/01/22	100% SD
2	02/10/23	100% DD
4	04/28/23	100% CD
5	05/04/23	IFB
7	05/26/23	ADDENDUM 02
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

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



PBC Project Name: DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS
PBC Contract No: 05445
CPS Project #2021-26031-ADM
Project No: 2138

Title
ELECTRICAL LEGENDS, NOTES & ABBREVIATIONS

Sheet NOT FOR CONSTRUCTION
E-000

32'-0" 0'-0" 16'-0" 32'-0" 64'-0"
1/32" = 1'-0"

16'-0" 0'-0" 8'-0" 16'-0" 32'-0"
1/16" = 1'-0"

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

4'-0" 0'-0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

2'-0" 0'-0" 1'-0" 2'-0" 4'-0"
1/2" = 1'-0"

1'-0" 0'-0" 0'-6" 1'-0" 2'-0"
1" = 1'-0"

0'-0" 0'-6" 1'-0" 2'-0"
1-1/2" = 1'-0"

0'-0" 0'-3" 0'-6" 0'-9" 1'-0"
3" = 1'-0"

0'-0" 0'-1-1/2" 0'-3" 0'-4-1/2" 0'-6"
6" = 1'-0"

KEYED NOTES:

A. RELOCATE POWER POLE APPROX. 5-FEET IN DIRECTION AS SHOWN. VERIFY EXACT LOCATION WITH CIVIL UTILITY DRAWINGS. REROUTE EXISTING UNDERGROUND AND OVERHEAD SERVICE AND DATA FEEDS AS REQUIRED FOR NEW LOCATION.

B. REFER TO CIVIL DRAWINGS FOR AREA LIGHT POLE BASE CONSTRUCTION. ALIGN WITH CPS STANDARD DETAIL.

C. PROVIDE 2 #10, 1 #10 GRND, 3/4"C. FOR ALL LIGHT POLE CONDUIT RUNS.

D. NOT USED

E. PRIMARY CONDUIT UP TO MANHOLE BY EC. CONDUIT TERMINATION AT MANHOLE BY UTILITY. PRIMARY UTILITY CONDUIT TO BE STUBBED 5-FEET FROM PROPERTY LINE.

F. PROVIDE CONDUITS BETWEEN EXISTING MDF ROOM AND NEW IDF ROOM PER DETAIL 1/E-700

G. NEW PARKING LOT LIGHTING CIRCUIT TO BE INTERCEPTED BY EXISTING SPARE TIMECLOCK CONTACTOR SERVING EXTERIOR LIGHTING.

H. EV CHARGING STATIONS: PROVIDE 2 #8 & 1#10 GRND IN 1"C HOMERUN FOR EACH CHARGING STATION. TO 40A-2P CB, CIRCUITING AS SHOWN. JUNCTION BOXES FOR EACH CHARGING STATION TO BE LOCATED UNDER EACH UNIT. COORDINATE LOCATIONS WITH CIVIL DRAWINGS. PROVIDE DATA CABLE FROM CHARGER TO NEAREST DATA CONCENTRATOR. COORDINATE WITH EV CHARGER TYPE FOR WI-FI ENABLED CHARGING AUTHORIZATION AND COORDINATE WITH CPS ITS DEPARTMENT.

I. CAMERA TYPE MODEL NUMBERS
- I1. 1-CAMERA (WALL-MOUNT) - MODEL #P3267LV
- I2. 2-CAMERA - MODEL #P4705PLVE
- I3. 4-CAMERA - MODEL #P3727PLE
- I4. 1-CAMERA (DOME) - MODEL #M3086V
- I5. 1E. 1-CAMERA (DOME - WALL-MOUNT) - P3265V
- I6. Q6075E + Q6010E
- I7. Q3819VE

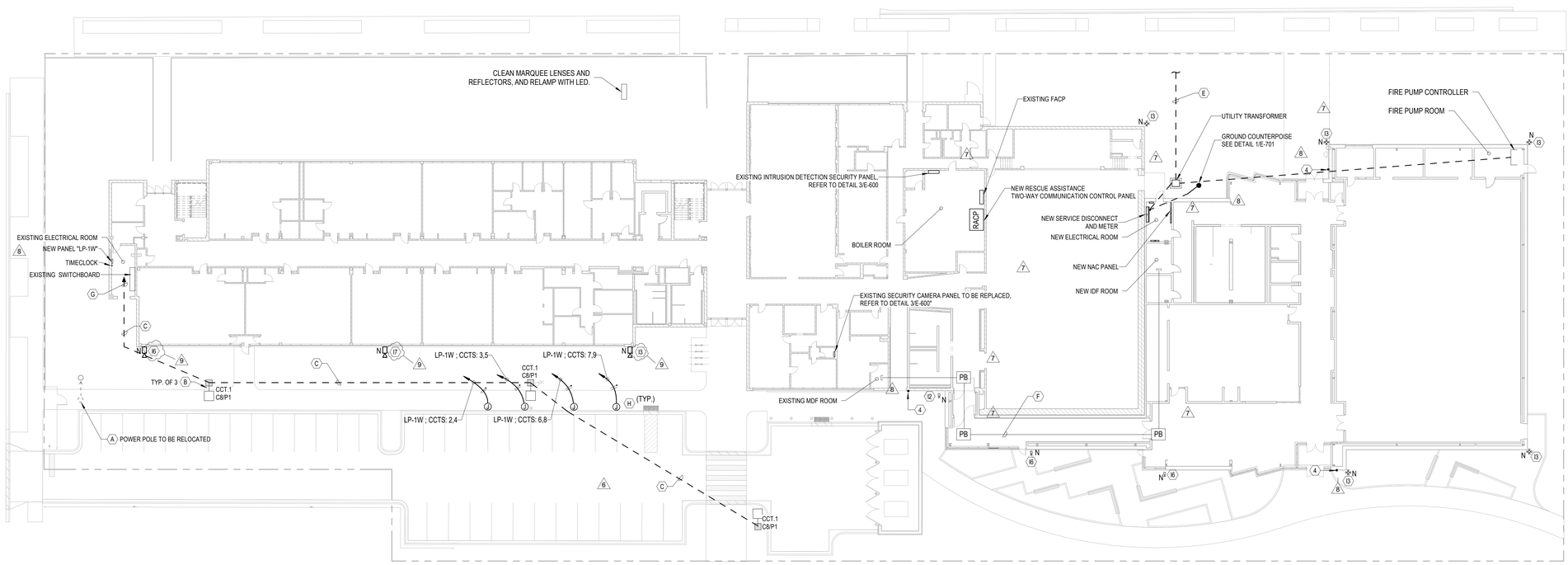
SHEET NOTES:

1. SEE SHEET E-000 FOR SYMBOL LIST AND GENERAL NOTES, AND SHEET E-801 FOR FIXTURE SCHEDULE.
2. NEW PARKING LOT LIGHTING FIXTURES SHALL BE CONTROLLED BY NEW COMBINATION PHOTOCELL/TIME CLOCK ASSEMBLY PER CPS STANDARDS.
3. SEE SHEET E-600 FOR COORDINATION OF ELECTRICAL DISTRIBUTION AND ASSOCIATED EQUPMENT.
4. NEW AIPHONE MODEL IX IN AREAS SHOWN.

LEGEND:

NEW BELOW-GRADE POWER CONDUIT - - - - - - - - -

NEW ABOVE-GRADE POWER CONDUIT ———————



1 ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
CHICAGO, IL 60612

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CITY OF CHICAGO, MAYOR LORI LIGHTFOOT

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ENVIRONMENTAL RENO/DEMO
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6	05/19/23	ADDENDUM 01
7	05/26/23	ADDENDUM 02
8	06/05/23	ADDENDUM 03
9	06/09/23	ADDENDUM 05

DRAWN BY:

SCALE: 1" = 20'-0"

LEVEL 3

LEVEL 2

LEVEL 1

KEY PLAN

PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

ELECTRICAL SITE PLAN

Sheet NOT FOR CONSTRUCTION

E-010

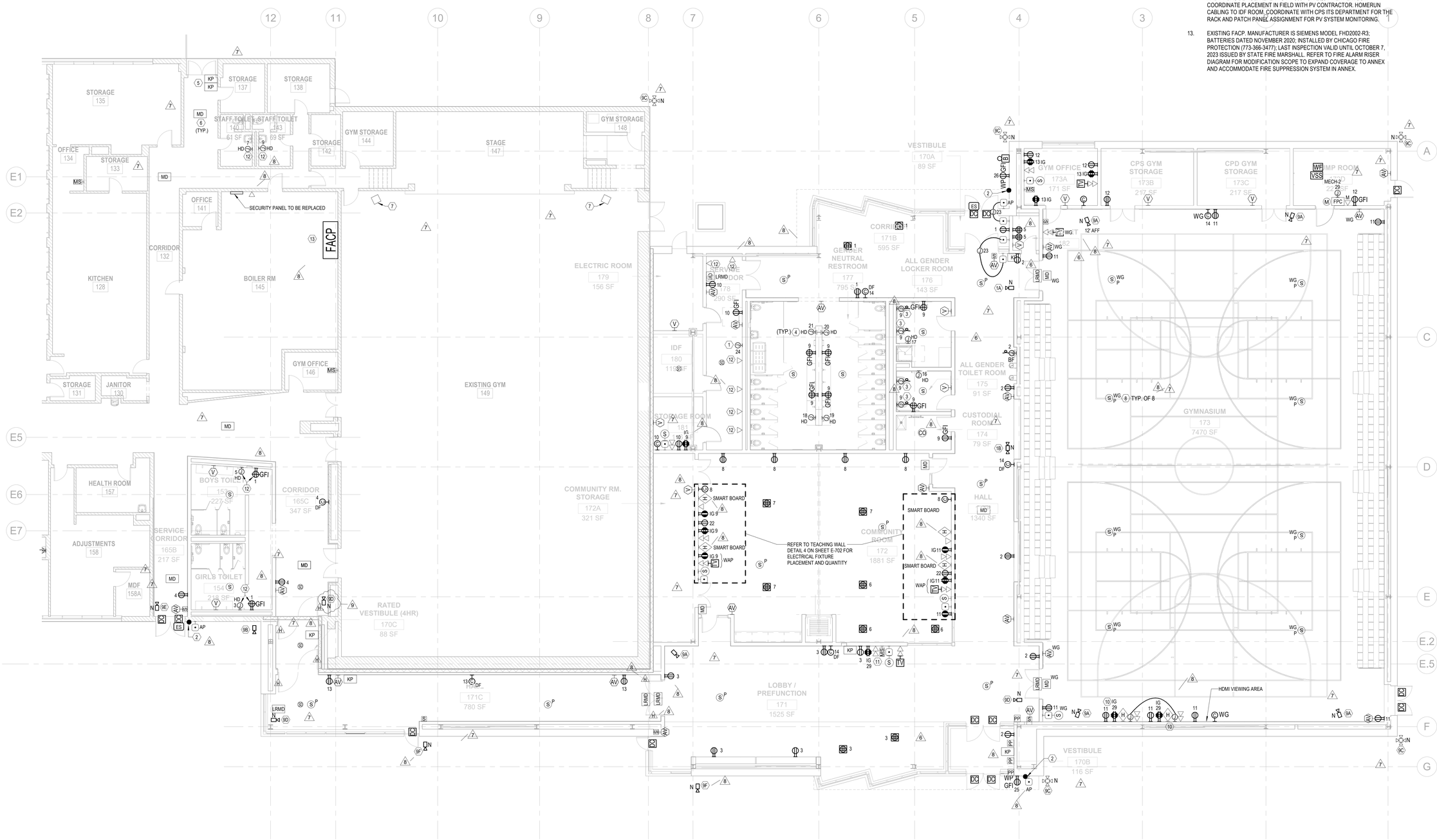
1/32" = 1'-0" | 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 1" = 1'-0" | 1-1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-6"

SHEET NOTES:

1. ALL NORMAL RECEPTACLES SHALL BE FED FROM PANEL RP-1, UNLESS NOTED OTHERWISE. ALL IG RECEPTACLES SHALL BE FED FROM PANEL IDF-1 IG.
2. CORRIDOR LIGHTING TO BE OPERATED BY BAS FOR CIRCUITS 2, 11, AND 12 WITH KEY SWITCH. OVERRIDE AS SHOWN IN AS SHOWN IN VESTIBULES 170A, 170B, AND 170C.
3. PROVIDE POWER CONNECTION TO ELECTRIC STRIKE DOOR HARDWARE ASSOCIATED WITH DOOR INTERCOM ACCESS CONTROL SYSTEM. COORDINATE ANY POE AND CABLING WITH ACCESS CONTROL DIAGRAM AND MANUFACTURER REQUIREMENTS.
4. SMOKE DETECTORS TO BE TIED INTO FIRE ALARM SYSTEM.
5. PROVIDE POWER INTERFACE CONTROL MODULE WITH FEED TO DOOR HOLDOPENS AND TO FIRE ALARM SYSTEM. PROVIDE CIRCUIT FROM NEAREST PANEL SERVING AREAS SHOWN.
6. 50-PERCENT OF ALL RECEPTACLES TO BE CONTROLLED VIA VACANCY OR OCC SENSOR IN ROOMS AS APPLICABLE IN COMPLIANCE WITH IECC 2021.

KEYED NOTES:

1. PROVIDE DEDICATED 120V CONNECTION TO BAS SYSTEM CONTROL PANEL. COORDINATE LOCATION IN FIELD WITH TEMPERATURE CONTROLS CONTRACTOR.
2. NEW AIPHONE MODEL IX IN AREAS SHOWN.
3. PROVIDE HARD-WIRED CONNECTIONS FOR AUTOMATIC VALVES AND POWER FROM LAVATORY CIRCUIT. VERIFY LOCATIONS WITH PLUMBING DRAWINGS.
4. PROVIDE JUNCTION BOX FOR HAND DRYER.
5. REPLACE EXISTING KEYPAD FOR INTRUSION DETECTION SECURITY PANEL. PROVIDE KEYPAD FOR NEW INTRUSION DETECTION SYSTEM FOR ANNEX ENABLING STAFF TO DISARM BOTH EXISTING BUILDING AND ANNEX AT SINGLE LOCATION.
6. REPLACE EXISTING MOTION DETECTORS WITH NEW. REUSE EXISTING CABLING HOMERUN BACK TO EXISTING BUILDING REPLACED INTRUSION DETECTION PANEL.
7. RELOCATED CEILING-MOUNTED SPEAKERS
8. GYMNASIUM SOUND RACK : PROVIDE 3/4"C. TO ANTENNA ON ROOF FOR AM/FM RADIO. PROVIDE OVERRIDE ELECTRONICS FOR NEW CENTRAL INTERCOM AND PAGING SYSTEM PRIORITY OVER GYMNASIUM SOUND SYSTEM. SEE SHEET E-704, DETAIL 1 FOR SOUND SYSTEM CABINET DETAIL. PROVIDE EIGHT (8) CEILING-MOUNTED SPEAKERS AND ASSOCIATED CONDUIT AND WIRING TO SOUND RACK LOCATION.
9. CAMERA TYPE MODEL NUMBERS
   - 9A. 1-CAMERA (WALL-MOUNT) - MODEL #P3267LV
   - 9B. 2-CAMERA - MODEL #P4705PLVE
   - 9C. 4-CAMERA - MODEL #P3727PLE
   - 9D. 1-CAMERA (DOME) - MODEL #M3086V
   - 9E. 1E. 1-CAMERA (DOME - WALL-MOUNT) - P3265V
   - 9F. Q6075E + Q60100E
10. PROVIDE WALL MOUNTED PRESENTER STATION FOR LAPTOP CONNECTION. PROVIDE WALL MOUNTED PRESENTATION CONNECTION TO PROJECTION DEVICE. PROVIDE CONDUIT BETWEEN PRESENTER AND PRESENTATION LOCATIONS FOR INSTALLATION OF AV CABLING. COORDINATE PLACEMENT WITH CPS AND ARCHITECT PRIOR TO ROUGH-IN.
11. PROVIDE GUARD STATION DEVICES. COORDINATE PLACEMENT WITH CPS AND ARCHITECT.
12. PROVIDE DATA CONNECTION FOR EACH PV INVERTER, PV PANELBOARD, AND PV DAS DEVICE. REFER TO PV-500 FOR EQUIPMENT LAYOUT. COORDINATE PLACEMENT IN FIELD WITH PV CONTRACTOR. HOMERUN CABLING TO IDF ROOM, COORDINATE WITH CPS ITS DEPARTMENT FOR THE RACK AND PATCH PANEL ASSIGNMENT FOR PV SYSTEM MONITORING.
13. EXISTING FACP. MANUFACTURER IS SIEMENS MODEL FHD2002-R3; BATTERIES DATED NOVEMBER 2020; INSTALLED BY CHICAGO FIRE PROTECTION (773-366-3477); LAST INSPECTION VALID UNTIL OCTOBER 7, 2023 ISSUED BY STATE FIRE MARSHALL. REFER TO FIRE ALARM RISER DIAGRAM FOR MODIFICATION SCOPE TO EXPAND COVERAGE TO ANNEX AND ACCOMMODATE FIRE SUPPRESSION SYSTEM IN ANNEX.



1 LEVEL 1 SERVICE WING - POWER PLAN

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

PUBLIC BUILDING COMMISSION — Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

2131 W MONROE ST,
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9	06/09/23	ADDENDUM 05

DRAWN BY:

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

LEVEL 3 | LEVEL 2 | LEVEL 1

KEY PLAN

PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

FIRST FLOOR POWER PLAN - SERVICE WING

Sheet NOT FOR CONSTRUCTION

E-201

1/32" = 1'-0" | 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 1" = 1'-0" | 1-1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

GENERAL NOTES

A. SEE DRAWING E-000 FOR SYMBOL LIST AND ADDITIONAL NOTES.

B. ALL POWER CIRCUITS TO BE FED FROM ELECTRICAL PANEL SERVING AREA OF WORK. CIRCUIT NUMBERS ARE SHOWN AS NEW CIRCUITS FOR DESIGN INTENT ONLY. ELECTRICAL CONTRACTOR (EC) SHALL MAKE ALL RECESSARY MODIFICATIONS AS REQUIRED SO AS NOT TO EXCEED CODE REQUIREMENTS FOR THE LOADING OF BRANCH CIRCUITS.

C. EXISTING WIRING TO BE REUSED FOR NEW OR RELOCATED EXIT SIGNS.

D. NEW TELECOMMUNICATIONS DEVICE HORIZONTAL CABLING SHALL TERMINATE IN NEAREST CONCENTRATOR WITH AVAILABLE SPACE. WHEN WITHIN 300 CABLE LENGTH TO MDF ROOM, NEW DEVICES MAY HOMERUN TO MDF ROOM.

E. PROVIDE POWER CONNECTION TO ELECTRIC STRIKE DOOR HARDWARE ASSOCIATED WITH DOOR INTERCOM ACCESS CONTROL SYSTEM. COORDINATE ANY POE AND CABLING WITH ACCESS CONTROL DIAGRAM AND MANUFACTURER REQUIREMENTS.

4. SMOKE DETECTORS TO BE TIED INTO FIRE ALARM SYSTEM.

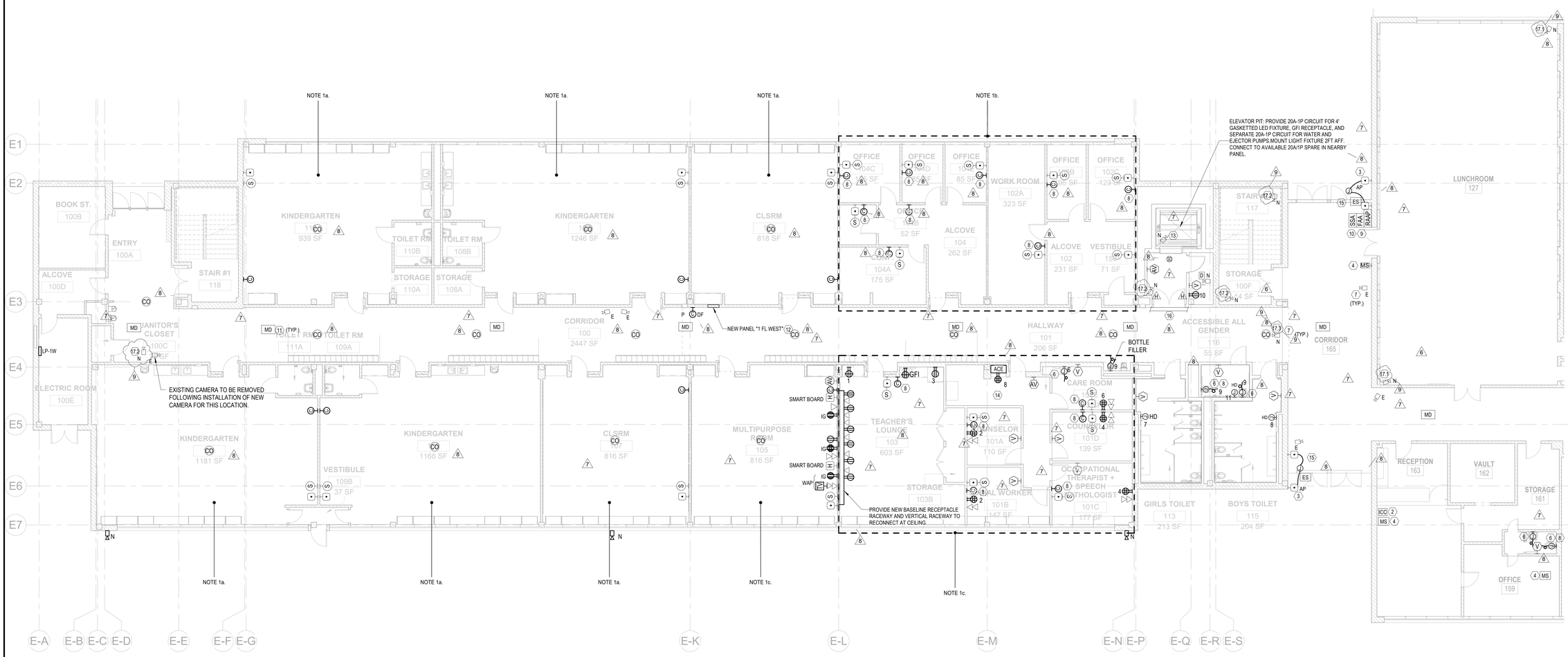
5. PROVIDE POWER INTERFACE CONTROL MODULE WITH FEED TO DOOR HOLDOPENS AND TO FIRE ALARM SYSTEM. PROVIDE CIRCUIT FROM NEAREST PANEL SERVING AREAS SHOWN.

6. 50-PERCENT OF ALL RECEPTACLES TO BE CONTROLLED VIA VACANCY OR OCC SENSOR IN ROOMS AS APPLICABLE IN COMPLIANCE WITH IECC 2021.

8

KEYED NOTES

1. REPLACE EXISTING INTERCOM AND SPEAKERS AND CLOCK SYSTEM. REUSE BACKBOXES AND WIRING WHERE LOCATION IS CONSISTENT WITH CPS DIRECTED INSTALLATION LOCATION. INTERCEPT WIRING AND EXTEND TO NEW LOCATION WHERE PROPOSED INSTALLATION DIFFERS FROM EXISTING LOCATION. REFER TO BELOW ADDITIONAL INSTRUCTIONS FOR DISTINCTION AMONG ROOMS. REUSE, INTERCEPT, AND EXTEND EXISTING CLOCK CIRCUITRY FOR POWER CONNECTION.
   a. CLASSROOMS: SPEAKERS AND CALL BUTTONS TO BE LOCATED AT TEACHING STATIONS. CLOCKS TO BE LOCATED AT ROOM ENTRANCE. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL.
   b. OFFICES, ALCOVES AND WORK ROOMS: REFER TO ARCHITECTURAL FOR EXACT SPEAKER, CALL BUTTON, AND CLOCK RECEPTACLE LOCATION AND MOUNTING HEIGHT.
   c. MULTIPURPOSE ROOM AND TEACHERS LOUNGE: LOCATE DEVICES WHERE SHOWN.
2. INTERCOM HEAD-END DEVICE: REPLACE EXISTING EQUIPMENT WITH NEW IN SAME LOCATION. CONTRACTOR TO VERIFY CONDITION OF EXISTING CABLING FOR REUSE.
3. AIPHONE: REPLACE EXISTING AIPHONE WITH NEW IX MODEL. REUSE EXISTING INFRASTRUCTURE AND WIRING. PROVIDE NEW WIRING WHERE REQUIRED.
4. AIPHONE MASTER STATIONS: PROVIDE NEW AIPHONE MASTER LOCATIONS IN MAIN OFFICE, PRINCIPAL'S OFFICE, KITCHEN MANAGER'S OFFICE, AND SECURITY DESK(S).
5. NEW FIRE ALARM DEVICES AND SMOKE DETECTORS, WHERE SHOWN, TO BE TIED INTO EXISTING FIRE ALARM SYSTEM.
6. AUTOMATIC VALVES: PROVIDE HARD-WIRED CONNECTIONS FROM LAVATORY CIRCUIT. VERIFY LOCATIONS WITH PLUMBING DRAWINGS. SEE SHEET E-700, DETAIL 4.
7. SECURITY CAMERAS: PROVIDE NEW ("N") CAMERAS IN AREA AS SHOWN. ("E") DENOTES EXISTING LOCATIONS.
8. ITEMS WITH THIS NOTE TO BE FED FROM SAME CIRCUIT OF ROOM OR AREA.
9. PROVIDE NEW RESCUE ASSISTANCE ANNUNICATOR NEARBY EXISTING FIRE ALARM ANNUNICATOR PANEL AT FIRST RESPONDER ENTRANCE. COORDINATION PLACEMENT IN FIELD. REFER TO DETAIL 1/E-702.
10. PROVIDE NEW SPRINKLER SUPERVISORY ANNUNCIATOR NEARBY EXISTING FIRE ALARM ANNUNICATOR PANEL AT FIRST RESPONDER ENTRANCE. COORDINATION PLACEMENT IN FIELD. REFER TO DETAIL 3/E-700.
11. REPLACE EXISTING MOTION DETECTORS WITH NEW. REUSE EXISTING CABLING HOMERUN BACK TO EXISTING BUILDING REPLACED INTRUSION DETECTION PANEL.
12. ELECTRICAL CONTRACTOR TO PROVIDE UPDATED SCHEDULES FOR REPLACED PANELS.
13. PROVIDE NEW CLOSED CIRCUIT TV CAMERA (MODEL: AXIS #M3086V) IN ELEVATOR CAB. COORDINATE WITH ELEVATOR SUPPLIER. HOMERUN TO SURVEILLANCE PANEL.
14. PROVIDE NEW ADMINISTRATIVE CONCENTRATOR TO ACCOMMODATE LOCAL HOMERUNS OF REVISED OFFICE SPACES. PROVIDE BACKBONE CABLING BETWEEN NEW CONCENTRATOR AND EXISTING MDF ROOM. PROVIDE NEW ADMINISTRATIVE CONCENTRATOR ENCLOSURE AND NECESSARY HARDWARE PER CPS ITS STANDARD. PROVIDE BACKBONE CABLING TO EXISTING MDF ROOM, MINIMUM ONE 25 PAIR CAT5E CABLE, ONE 6-STRAND FIBER OPTIC CABLE, AND NECESSARY MMTV, VOICE, DATA AND INTERCOM BACKBONE CABLING IN 1-1/2" CONDUIT. PROVIDE DEDICATED QUAD RECEPTACLE. COORDINATE PLACEMENT IN FIELD WITH CPS AND ARCHITECT.
15. NEW MOTORIZED DOOR OPENER. PROVIDE 120V CONNECTION TO MOTOR FROM AVAILABLE 20A/1P CIRCUIT FOUND IN LOCAL BRANCH PANELBOARD.
16. NEW WIREWAY SECTION TO BE ATTACHED TO EXISTING RUN. REPULL CABLING AS REQUIRED.
17. CAMERA TYPE MODEL NUMBERS
    17.1 P3267LV
    17.2 M3086V
    17.3 P3265V



1 LEVEL 1 CLRM WING - POWER PLAN

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

PUBLIC BUILDING COMMISSION — Chicago Public Schools

DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS

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DRAWN BY:

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

LEVEL 3 | LEVEL 2 | LEVEL 1 | KEY PLAN

PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

FIRST FLOOR POWER PLAN - CLRM WING

Sheet NOT FOR CONSTRUCTION

E-202

32'-0" 0'-0" 16'-0" 32'-0" 64'-0"
1/32" = 1'-0"

16'-0" 0'-0" 8'-0" 16'-0" 32'-0"
1/16" = 1'-0"

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

4'-0" 0'-0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

2'-0" 0'-0" 1'-0" 2'-0" 4'-0"
1/2" = 1'-0"

1'-0" 0'-0" 0'-6" 1'-0" 2'-0"
1" = 1'-0"

0'-0" 0'-6" 1'-0" 2'-0"
1-1/2" = 1'-0"

0'-0" 0'-3" 0'-6" 0'-9" 1'-0"
3" = 1'-0"

0'-0" 0'-1-1/2" 0'-3" 0'-4-1/2" 0'-6"
6" = 1'-0"

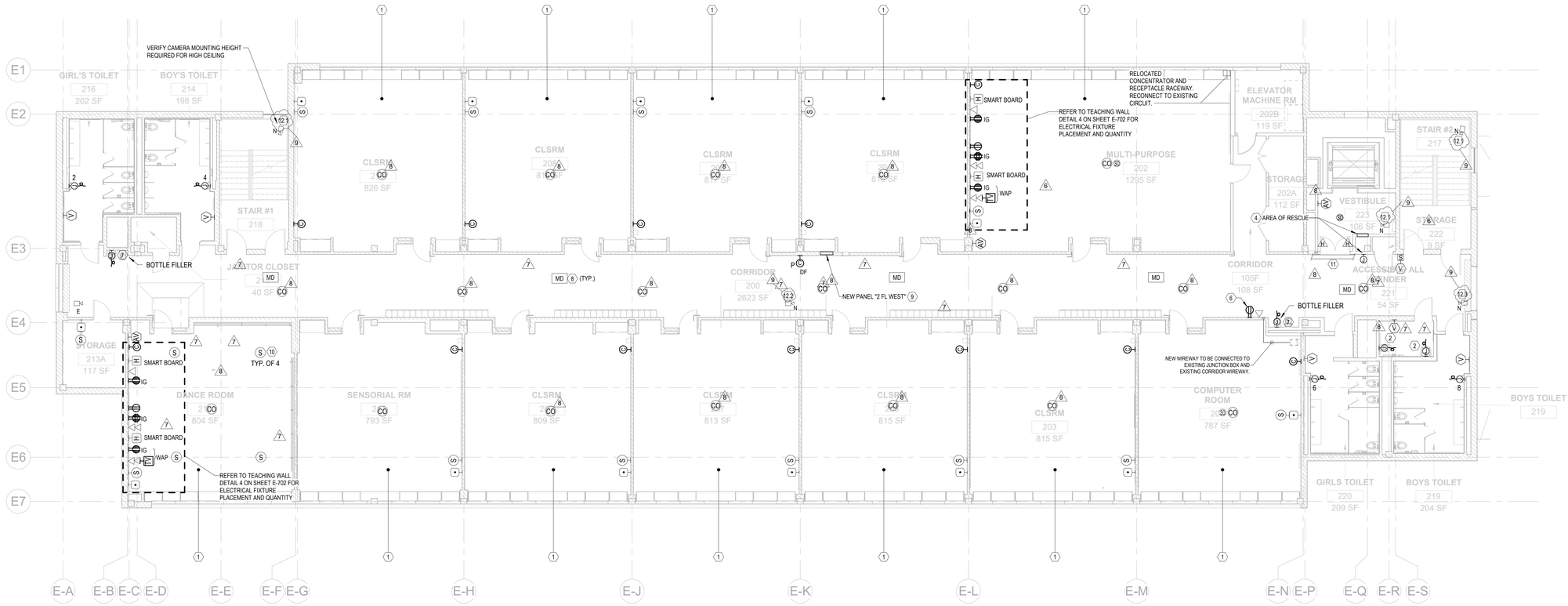
SHEET NOTES

1. SEE DRAWING E-000 FOR SYMBOL LIST AND ADDITIONAL NOTES.
2. ALL POWER CIRCUITS TO BE FED FROM ELECTRICAL PANEL SERVING AREA OF WORK. CIRCUIT NUMBERS ARE SHOWN AS NEW CIRCUITS FOR DESIGN INTENT ONLY. ELECTRICAL CONTRACTOR (EC) SHALL MAKE ALL RECESSARY MODIFICATIONS AS REQUIRED SO AS NOT TO EXCEED CODE REQUIREMENTS FOR THE LOADING OF BRANCH CIRCUITS. △7
3. NEW TELECOMMUNICATIONS DEVICE HORIZONTAL CABLING SHALL TERMINATE IN NEAREST CONCENTRATOR WITH AVAILABLE SPACE.
4. SMOKE DETECTORS TO BE TIED INTO FIRE ALARM SYSTEM.
5. PROVIDE POWER INTERFACE CONTROL MODULE WITH FEED TO DOOR HOLDOPENS AND TO FIRE ALARM SYSTEM. PROVIDE CIRCUIT FROM NEAREST PANEL SERVING AREAS SHOWN. △12
6. △8 50-PERCENT OF ALL RECEPTACLES TO BE CONTROLLED VIA VACANCY OR OCC SENSOR IN ROOMS AS APPLICABLE IN COMPLIANCE WITH IECC 2021.

KEYED NOTES

1. SPEAKERS AND CALL BUTTONS TO BE REPLACED WITH THE REUSE OF BACKBOXES AND WIRING LOCATED AT TEACHING STATIONS. NEW CLOCKS TO BE LOCATED AT ROOM ENTRANCE. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL. INTERCEPT AND EXTEND EXISTING CIRCUITRY FOR CLOCK POWER CONNECTION.
2. AUTOMATIC VALVES: PROVIDE HARD-WIRED CONNECTIONS FROM LAVATORY CIRCUIT. VERIFY LOCATIONS WITH PLUMBING DRAWINGS. SEE SHEET E-700, DETAIL 4. △7
3. SECURITY CAMERAS : PROVIDE NEW ("N") CAMERAS IN AREA AS SHOWN. "E" DENOTES EXISTING LOCATIONS. △7 △8
4. AREA-OF-RESCUE : PROVIDE TWO-WAY COMMUNICATION WHERE SHOWN. MOUNT "AREA-OF-RESCUE" SIGN IN AREA FACING CORRIDOR. COORDINATE ELEVATION WITH ARCHITECTURAL.
5. NEW SMOKE DETECTORS AND A/V APPLIANCES TO BE TIED IN TO EXISTING FIRE ALARM SYSTEM.
6. POWER AND DATA FOR HALLWAY MONITOR IN CORRIDOR AT ROOM 220 TO BE RELOCATED. SEE ARCHITECTURAL FOR ELEVATION. REUSE EXISTING CIRCUIT.
7. ITEMS WITH THIS NOTE TO BE FED FROM SAME CIRCUIT OF ROOM OR AREA.
8. REPLACE EXISTING MOTION DETECTORS WITH NEW. REUSE EXISTING CABLING HOMERUN BACK TO EXISTING BUILDING REPLACED INTRUSION DETECTION PANEL.
9. ELECTRICAL CONTRACTOR TO PROVIDE UPDATED SCHEDULES FOR REPLACED PANELS.
10. DANCE ROOM : DANCE ROOM SOUND RACK ; PROVIDE 3/4"C. TO ANTENNA ON ROOF FOR AM/FM RADIO. SEE SHEET E-704, DETAIL 1 FOR SOUND SYSTEM CABINET DETAIL. PROVIDE FOUR (4) CEILING-MOUNTED SPEAKERS AND ASSOCIATED CONDUIT AND WIRING TO SOUND RACK LOCATION.
11. NEW WIREWAY SECTION TO BE ATTACHED TO EXISTING RUN. REPULL CABLING AS REQUIRED.

△9 CAMERA TYPE MODEL NUMBERS
12.1 M3086V
12.2 P4705PLVE
12.3 P3265V



1 LEVEL 2 CLRM WING - POWER PLAN

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

PUBLIC BUILDING COMMISSION — Chicago Public Schools

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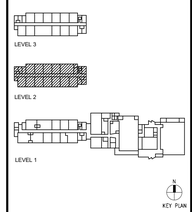
SCALE: 1/8" = 1'-0"



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title
SECOND FLOOR POWER PLAN - CLRM WING

Sheet NOT FOR CONSTRUCTION
E-203

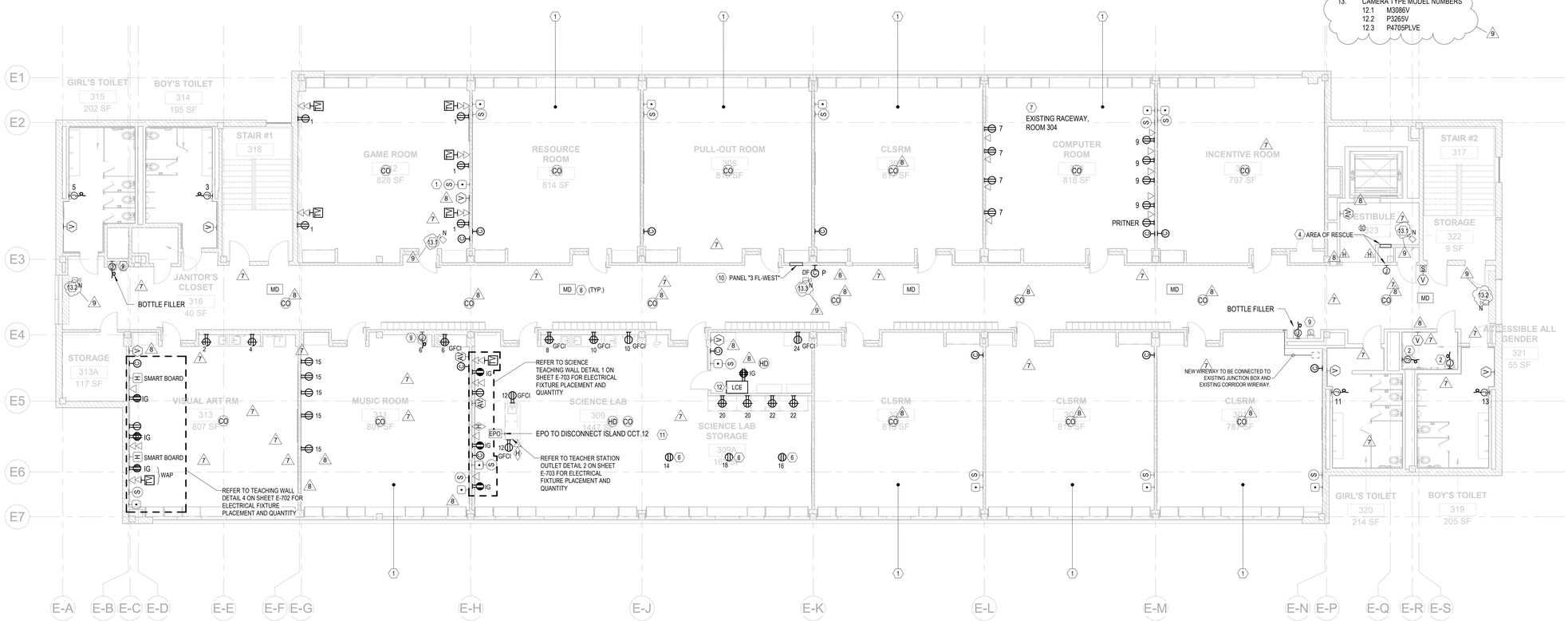
1/32" = 1'-0" | 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 1" = 1'-0" | 1-1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

SHEET NOTES

1. SEE DRAWING E-000 FOR SYMBOL LIST AND ADDITIONAL NOTES.
2. ALL POWER CIRCUITS TO BE FED FROM ELECTRICAL PANEL SERVING AREA OF WORK. CIRCUIT NUMBERS ARE SHOWN AS NEW CIRCUITS FOR DESIGN INTENT ONLY. ELECTRICAL CONTRACTOR (EC) SHALL MAKE ALL NECESSARY MODIFICATIONS AS REQUIRED SO AS NOT TO EXCEED CODE REQUIREMENTS FOR THE LOADING OF BRANCH CIRCUITS.
3. NEW TELECOMMUNICATIONS DEVICE HORIZONTAL CABLING SHALL TERMINATE IN NEAREST CONCENTRATOR WITH AVAILABLE SPACE.
4. SMOKE DETECTORS TO BE TIED INTO FIRE ALARM SYSTEM.
5. PROVIDE POWER INTERFACE CONTROL MODULE WITH FEED TO DOOR HOLDOPENS AND TO FIRE ALARM SYSTEM. PROVIDE CIRCUIT FROM NEAREST PANEL SERVING AREAS SHOWN.
6. 50-PERCENT OF ALL RECEPTACLES TO BE CONTROLLED VIA VACANCY OR OCC SENSOR IN ROOMS AS APPLICABLE IN COMPLIANCE WITH IECC 2021.

KEYED NOTES

1. SPEAKERS AND CALL BUTTONS TO BE REPLACED WITH THE REUSE OF BACKBOXES AND WIRING LOCATED AT TEACHING STATIONS. NEW CLOCKS TO BE LOCATED AT ROOM ENTRANCE. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL. INTERCEPT AND EXTEND EXISTING CIRCUITRY FOR CLOCK POWER CONNECTION.
2. AUTOMATIC VALVES : PROVIDE HARD-WIRED CONNECTIONS FROM LAVATORY CIRCUIT. VERIFY LOCATIONS WITH PLUMBING DRAWINGS. SEE SHEET E-700, DETAIL 4.
3. SECURITY CAMERAS : PROVIDE NEW ("N") CAMERAS IN AREA AS SHOWN. "E" DENOTES EXISTING LOCATIONS.
4. AREA-OF-RESCUE : PROVIDE TWO-WAY COMMUNICATION WHERE SHOWN. MOUNT "AREA-OF-RESCUE" SIGN IN AREA FACING CORRIDOR. COORDINATE ELEVATION WITH ARCHITECTURAL.
5. NEW SMOKE DETECTORS AND A/V APPLIANCES TO BE TIED IN TO EXISTING FIRE ALARM SYSTEM.
6. CONTRACTOR TO PROVIDE CEILING FLUSH-MOUNTED JUNCTION BOX AND 20A-1P RECEPTACLE AND THREE (3) DROP CORD LOCATIONS AS SHOWN. MANUFACTURER: HUBBLE inREACH MODEL #HBLI45123GF220M1. SEE MANUFACTURER INSTRUCTIONS FOR REEL MOUNT INFORMATION. CIRCUIT AS SHOWN.
7. ALLOW FOR THE REMOVAL OF 40LF FLOOR MOUNTED RACEWAY, AND 70LF OF CPS STANDARD WALL MOUNTED RACEWAY FOR COMPUTER ROOM. SEE ARCHITECTURAL DRAWING FOR FURNITURE LOCATION. POWER AND DATA RECEPTACLES TO BE REINSTALLED AS NEW ON EAST AND WEST WALLS.
8. REPLACE EXISTING MOTION DETECTORS WITH NEW. REUSE EXISTING CABLING HOMERUN BACK TO EXISTING BUILDING REPLACED INTRUSION DETECTION PANEL.
9. ITEMS WITH THIS NOTE TO BE FED FROM SAME CIRCUIT OF ROOM OR AREA.
10. ELECTRICAL CONTRACTOR TO PROVIDE UPDATED SCHEDULES FOR REPLACED PANELS.
11. REFER TO TYPICAL SCIENCE ROOM DETAIL /E703 FOR ADDITIONAL INFORMATION ON THE EPO SWITCH AND ASSOCIATED CONTROLLED DEVICES FOR NEW SCIENCE ROOM. PROVIDE ELECTRICAL CONNECTION TO GAS SOLENOID AND ELECTRICAL SHUNT TRIP EPO CONTROLLER. COORDINATE PLACEMENT WITH CPS.
12. PROVIDE NEW LAB CONCENTRATOR ENCLOSURE AND NECESSARY HARDWARE PER CPS ITS STANDARD. PROVIDE BACKBONE CABLING TO EXISTING MDF ROOM, MINIMUM ONE 25 PAIR CAT5E CABLE, ONE 6-STRAND FIBER OPTIC CABLE, AND NECESSARY MMTV, VOICE, DATA AND INTERCOM BACKBONE CABLING IN 1-1/2" CONDUIT. PROVIDE DEDICATED QUAD RECEPTACLE. COORDINATE PLACEMENT IN FIELD WITH CPS AND ARCHITECT DUE TO CABINETRY.
13. CAMERA TYPE MODEL NUMBERS
    12.1 M3086V
    12.2 P3265V
    12.3 P4705PLVE



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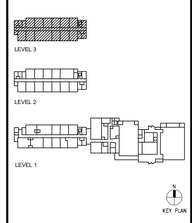
DRAWN BY:

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



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

THIRD FLOOR POWER PLAN - CLRM WING

Sheet NOT FOR CONSTRUCTION

E-204

32'-0" 0'-0" 16'-0" 32'-0" 64'-0"
1/32" = 1'-0"

16'-0" 0'-0" 8'-0" 16'-0" 32'-0"
1/16" = 1'-0"

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

4'-0" 0'-0" 2'-0" 4'-0" 8'-0"
1/4" = 1'-0"

2'-0" 0'-0" 1'-0" 2'-0" 4'-0"
1/2" = 1'-0"

1'-0" 0'-0" 0'-6" 1'-0" 2'-0"
1" = 1'-0"

0'-0" 0'-6" 1'-0" 2'-0"
1-1/2" = 1'-0"

0'-0" 0'-3" 0'-6" 0'-9" 1'-0"
3" = 1'-0"

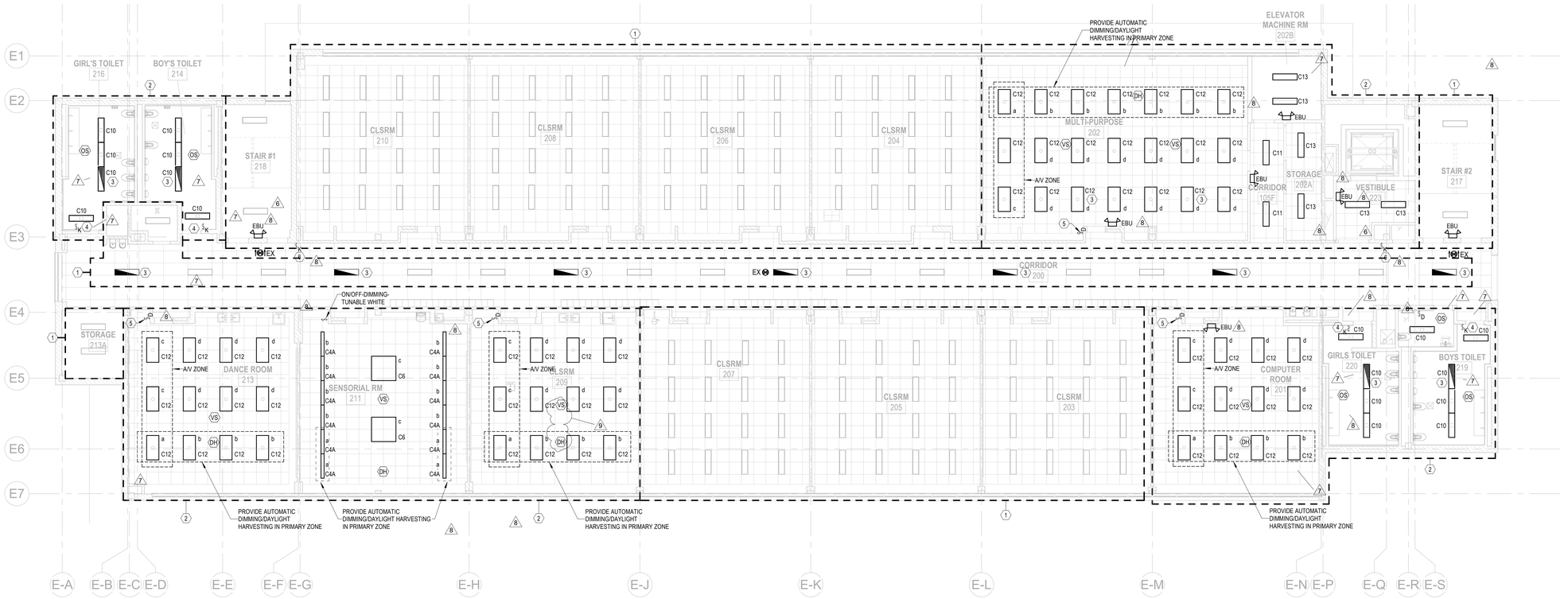
0'-0" 0'-1-1/2" 0'-3" 0'-4-1/2" 0'-6"
6" = 1'-0"

SHEET NOTES:

1. FIXTURES SHOWN ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
2. PROVIDE LIGHTING CONTROL DEVICES IN COMPLIANCE WITH ENERGY CODE FOR RENOVATED SPACES. DEVICES SHOWN ARE DIAGRAMMATIC TO ILLUSTRATE PREFERRED COMPLIANCE APPLICATION. CONTRACTOR SHALL MODIFY DEVICES QUANTITY AND PLACEMENT BASED ON PROCURED MANUFACTURER PRODUCT CAPABILITIES,LIMITATION, AND RECOMMENDATION FOR FULL COVERAGE AND ENERGY CODE COMPLIANCE. THE ADDITION OF DEVICES SHALL INCUR NO ADDITIONAL COST TO THE OWNER.
3. EXISTING EXIT SIGNS SHALL REMAIN.

KEYED NOTES:

1. LIGHT FIXTURES WITH THIS NOTE TO BE RELAMPED WITH 2-LAMP LED RETROFIT KIT FOR 4' FLUORESCENT-TO-LED CONVERSION. BASIS OF DESIGN IS WARELIGHT MODEL WL-T8RTP50W4FTA*2. CLEAN FIXTURE LENSES AND REFLECTORS.
2. PROVIDE NEW LIGHT FIXTURES IN THIS AREA. CONNECT TO EXISTING HOMERUNS LEFT FROM FIXTURES REMOVED IN DEMOLITION.
3. EMERGENCY LIGHT DESIGNATIONS AND TO BE CONNECTED TO EXISTING EMERGENCY CIRCUIT.
4. REUSE EXISTING LOCAL KEYED SWITCH IN GROUP RESTROOMS.
5. PROVIDE 4-BUTTON COOPER LIGHTING (ILUMIN PLUS) WIRED WALLSTATION #FDW-4TSB-RL-W. WALLSTATION SHALL SET AND RECALL PRESET LIGHTING SCENES AND RAISE AND LOWER LIGHTING LEVELS. PROVIDE CUSTOM ENGRAVED BUTTONS PER CPS. PROVIDE METAL DECORATOR STYLE COLOR-MATCHING WALLPLATE. VERIFY COLOR WITH ARCHITECT. PROVIDE COOPER LIGHTING DIGITAL-TO-ANALOG CONVERTER #FLT-DAC-DALI-DC1 WITH BUILD-IN LATCHING RELAY AND 0-TO-10V CURRENT-SYNCING INTERFACE TO INTEGRATE INDIVIDUAL, OR A GROUP OF, DIMMABLE 0-10V DRIVERS VIA A TWO-WIRE COMMUNICATIONS BUS USED WITH COOPER LIGHTING ILUMIN PLUS. PROVIDE ONE (1) DIGITAL-TO-ANALOG CONVERTER FOR EACH SWITCH LEG (I.E. PROVIDE THREE (3) PER TYPICAL CLASSROOM). SEE SHEET E-704.
6. EXISTING CORRIDOR LIGHTING CIRCUITS TO BE INTERCEPTED AND CONTROLLED BY CLASSROOM WING BAS WITH KEYED OVERRIDE SWITCHES IN CORRIDOR WHERE SHOWN.
7. EBU TO BE WIRED TO LINE-SIDE OF CIRCUIT SWITCHLEG.



1 LEVEL 2 - CLRM WING LIGHTING RCP

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

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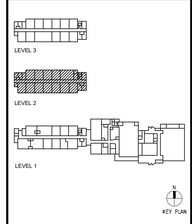
DRAWN BY:

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



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

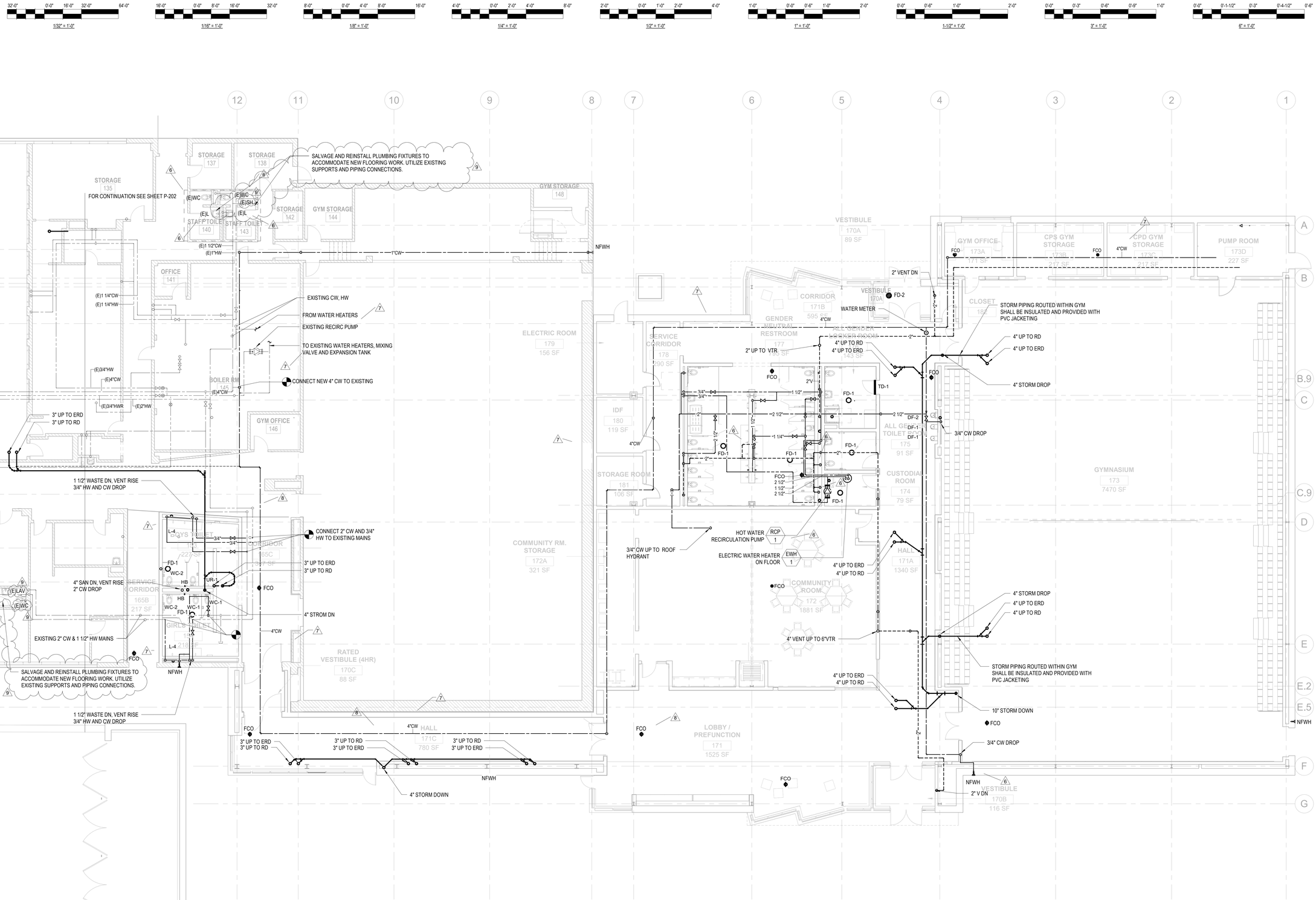
Project No: 2138

Title

SECOND FLOOR LIGHTING PLAN - CLRM WING

Sheet NOT FOR CONSTRUCTION

E-303



1 LEVEL 1 SERVICE WING - PLUMBING PLAN

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

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DRAWN BY:

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

LEVEL 3

LEVEL 2

LEVEL 1

KEY PLAN

PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

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CPS Project #2021-26031-ADM

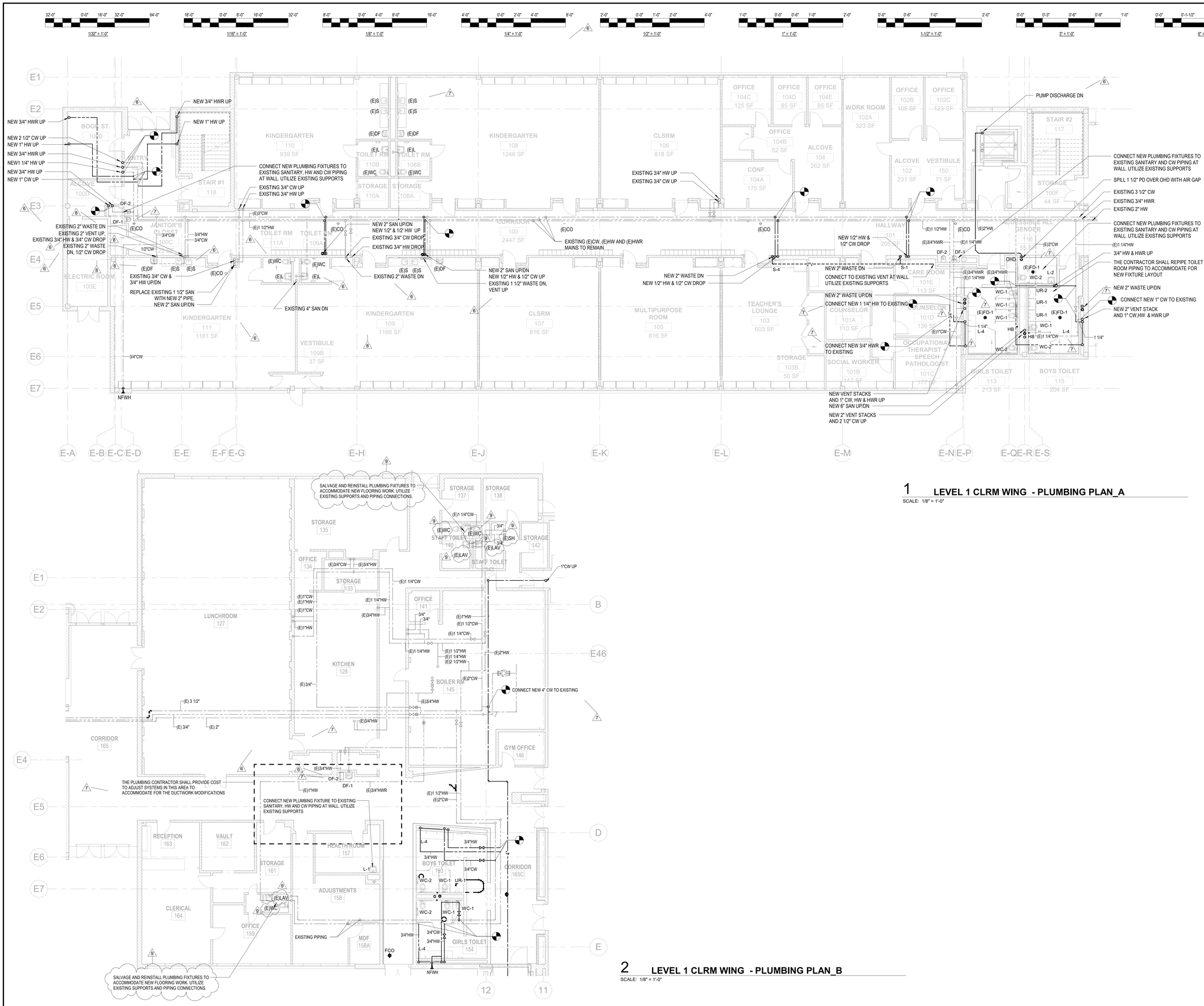
Project No: 2138

Title

FIRST FLOOR PLUMBING PLAN - SERVICE WING - NEW WORK

Sheet NOT FOR CONSTRUCTION

P-201



1 LEVEL 1 CLRM WING - PLUMBING PLAN_A

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

2 LEVEL 1 CLRM WING - PLUMBING PLAN_B

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

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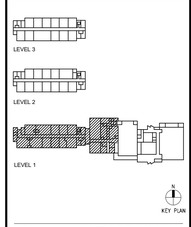
SCALE: 1/8" = 1'-0"



PBC Project Name: **DETT ELEMENTARY SCHOOL ANNEX & RENOVATIONS**

PBC Contract No: 05445

CPS Project #2021-26031-ADM

Project No: 2138

Title

FIRST FLOOR PLUMBING PLAN - CLRM WING - NEW WORK

Sheet NOT FOR CONSTRUCTION

P-202