



ADDENDUM

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

ADDENDUM NO.: 01
PROJECT NAME: Sheridan Elementary School Annex
PROJECT NO.: 05075
CONTRACT NO.: C1581
DATE OF ISSUE: September 1, 2017

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 REVISED – Book 3 – Volume 1 – Section 00 01 10 – TABLE OF CONTENTS: DELETE specification section 01 40 10 Pre Construction Mockup. **INSERT** to Book 3 -Volume 3 – Fire Alarm As-Builts, dated 11-28-16

Change 2 REVISED – Book 3 – Volume 1 – Section 01 14 11 – CONSTRUCTION OPERATIONS AND SITE UTILIZATION PLAN: Revised sections 1.3 D.6, and 3.3 A.4

Change 3 REVISED – Book 3 – Volume 1 – Section 07 42 43 – COMPOSITE WALL PANELS: Revised section 2.2.D R-value increased to R-20

Change 4 INSERT – BOOK 3 – Volume 3 – Appendix - Fire Alarm As-Builts, dated 11-28-16

ITEM NO. 5: REVISIONS TO DRAWINGS

Change 1. REVISED – Drawing No. C31 – EROSION AND SEDIMENTATION CONTROL PLAN: Revised 4” sanitary service invert to 6.61, and the invert of COMB MH-19 was lowered to 6.21 CCD

Change 2. REVISED – Drawing No. C40 – SITE UTILITY PLAN: Removed utility pole scope of work with overhead wires. The invert of COMB MH-19 was lowered to 6.21 CCD and revised 4” sanitary service invert to 6.61.

Change 3. REVISED – Drawing No. A00 – GROUND FLOOR CONSTRUCTION PLAN: Clarified Expansion joint reference plan 02/A00

Change 4. REVISED – Drawing No. A04 – ROOF CONSTRUCTION PLAN: Added Expansion joint reference plan 02/A04

Change 5. REVISED – Drawing No. A30 – BUILDING SECTION – LONGITUDINAL: Increased R value of insulated metal panels at elevator to R-20

Change 6. REVISED – Drawing No. A31 - BUILDING SECTION – TRANSVERSE: Increased R value of insulated metal panels at elevator to R-20

- Change 7. REVISED** – Drawing No. A32 – ELEVATOR SECTION & ELEVATOR DETAILS: Increased R value of insulated metal panels at elevator to R-20
- Change 8. REVISED** – Drawing No. A34 – WALL SECTIONS: Increased R value of insulated metal panels at elevator to R-20
- Change 9. REVISED** – Drawing No. A35 – WALL SECTIONS AT ALONG EXISTING BUILDING: Clarified on detail 02/A35 pertaining to fluid waterproof membrane and on detail 03/A35 clarified R-value at batting insulation at window infill.
- Change 10. REVISED** – Drawing No. A62 – DOOR SCHEDULE: Changed door type of 121A to 04/A63 in lieu of 02/A63 to eliminate glazing.
- Change 11. REVISED** – Drawing No. A70 – FINISH SCHEDULES: Changed color of insulated metal panel in Color Schedule
- Change 12. REVISED** – Drawing No. A71 – FIRST FLOOR FINISH PLAN: Revised ACT type from ACT “1” to ACT “4” in details 03, 04, 05 and 06. Enlarged elevator plans to match Finish schedule.
- Change 13. REVISED** – Drawing No. C10 – SITE DEMOLITION PLAN: Revised to include removal of anomalies per the GPR report in Specification Book 3 of 3. Utility pole and foundation to be removed by GC. Revised note to delete ‘prior to Milestone 1’. Added note: Trash bin to be removed and salvaged. Contractor to remove concrete pad.
- Change 14. REVISED** – Drawing No. ES01 – EXISTING ELECTRICAL SITE PLAN: Removed utility pole scope of work with overhead wires. Overhead wires have been removed by OEMC already.
- Change 15. REVISED** – Drawing No. ES02 – ELECTRICAL SITE PLAN: Removed note stating “During utility work (disconnecting existing and connecting new), there will be an undetermined length of time without power. School shall be responsible for providing a temporary generator, if needed to supply power.” Removed scope of work for new utility pole and fire alarm wiring.
- Change 16. REVISED** – Drawing No. EP01 – FIRST FLOOR ELECTRICAL POWER PLAN: Relocated the Area of Rescue in Classroom 108
- Change 17. REVISED** – Drawing No. EP02 – SECOND FLOOR ELECTRICAL POWER PLAN: Relocated the Area of Rescue in Classroom 208
- Change 18. REVISED** – Drawing No. EP03 – THIRD FLOOR ELECTRICAL POWER PLAN: Relocated the Area of Rescue in Classroom 308

ITEM NO. 6: REQUESTS FOR INFORMATION

RFI-1.

Question: Please refer to Specification 088000 Glazing, it calls for .30 night and .28 day U values of the glass, this can be achieved using the Solarban coating and argon however the specification calls for low e with krypton which is extremely expensive and only a few people in the country provide it leading to long lead times and difficulty keeping schedules. The krypton is not needed to achieve the specified U values of the glass, since this is the case is it necessary to include the cost of krypton in the bid for the glazing of the windows?

Response: Contractor’s bid to include the specific window system as described in Specification 08 80 00 Glazing in accordance with the drawings and specifications.

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List of Attachments and Drawings:

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

1. Section 00 01 10 – Table of Contents
2. Section 01 14 11 – Construction Operations and Site Utilization Plan
3. Section 07 42 43 – Composite Wall Panels
4. Appendix - Fire Alarm As-Builts dated 11-28-16

This Addendum includes the following attached Architectural Drawings:

1. A00 – Ground Floor Construction Plan, dated 08-30-17.
2. A04 – Roof Construction Plan, dated 08-30-17.
3. A30 – Building Section – Longitudinal, dated 08-30-17
4. A31 – Building Section – Transverse, dated 08-30-17
5. A32 – Elevator Section & Elevator Details, dated 08-30-17
6. A34 – Wall Sections, dated 08-30-17
7. A35 – Wall Sections at Along Existing Building, dated 08-30-17
8. A62 – Door Schedule, dated 08-30-17
9. A70 – Finish Schedules, dated 08-30-17
10. A71 – First Floor Finish Plan, dated 08-30-17

This Addendum includes the following attached Civil Sheets:

1. C10 – Site Demolition Plan, dated 08-30-17.
2. C31 – Soil Erosion and Sedimentation Control Plan, dated 08-30-17.
3. C40 – Site Utility Plan, dated 08-30-17

This Addendum includes the following attached Electrical Sheets:

1. ES01 – Existing Electrical Site Plan, dated 08-30-17.
2. ES02 – Electrical Site Plan, dated 08-30-17.
3. EP01 – First Floor Electrical Power Plan, dated 08-30-17
4. EP02 – Second Floor Electrical Power Plan, dated 08-30-17
5. EP03 – Third Floor Electrical Power Plan, dated 08-30-17

END OF ADDENDUM NO. 01

SECTION 00 01 10

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00 00 00	PBC Project Manual Cover Page	PBC 01_01/01/14
00 01 10	Table of Contents	PBC 01_01/01/17
00 01 11	Info Available to Bidders – Reports	PBC 02_04/01/15

SPECIFICATIONS GROUP

GENERAL REQUIREMENTS SUBGROUP

DIVISION 01 – GENERAL REQUIREMENTS

<i>Section Number</i>	<i>Section Title</i>	<i>CPS Control Rev.</i>
01 14 10	Pre-Construction Mockup	PBC 01_07/31/10
01 14 11	Construction Operations and Site Utilization Plan	PBC 01_08/15/14
01 35 59	Indoor Air Quality Requirements	PBC 04_02/08/13
01 35 60	Sustainability Requirements	PBC 05_09/22/14
01 35 60.1	LEED© Requirements	PBC 05_09/22/14
01 35 60a	Attachment A – Materials Credit Documentation Sheet	PBC 04_08/17/14
01 35 60b	Attachment B – Low Emitting Mtls. Credits Documentation Sht.	PBC 01_05/15/13
01 35 60c	Attachment C – LEED© Checklist for Schools v.2009	PBC 01_01/01/09
01 35 60d	Attachment D – LEED© BD+C Calculator v.2012	PBC 04_08/01/12
01 35 60e	Attachment E – Sustainable Projects Metrics Capture	PBC 01_09/22/14
01 35 61	LEED© Coordinator	PBC 02_09/22/14
01 35 62	Erosion and Sedimentation Control	PBC 01_09/14/12
01 35 65	Commissioning (Cx) Requirements	01_02/28/06
01 35 66	Commissioning (Cx) Submittal Procedures	01_08/17/08
01 35 67	Commissioning (Cx) Project Record Documents	01_08/17/08
01 35 68	Commissioning (Cx) Operation and Maintenance Data	01_02/28/06
01 35 69	Commissioning (Cx) Process	01_08/17/08
01 35 70	Commissioning (Cx) Pre-Functional Checklists	01_08/17/08
01 35 71	Commissioning (Cx) Functional Performance Testing	01_08/17/08
01 35 72	Commissioning (Cx) Demonstration & Training	01_08/17/08
01 50 05	Temporary Facilities and Controls	04_07/20/09
01 50 10	Commission Representative Field Office	PBC 03_11/24/09
01 52 40	Construction Waste Management and Disposal	PBC 03_09/22/14
01 56 11	Temporary Dust, Fume, and Odor Control	01_01/21/10
01 57 15	Integrated Pest Management	PBC 01_09/11/11
01 70 32	Selective Demolition (W/out Environmental)	PBC 01_10/20/10
01 73 10	Cutting and Patching	PBC 03_07/20/09
01 77 10	Final Cleaning - Schools	PBC 01_10/20/10
01 79 00	Demonstration and Training	03_07/20/09

FACILITY CONSTRUCTION SUBGROUP

DIVISION 02 – EXISTING CONDITIONS

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02 41 16	Building Demolition	PBC 01_07/31/15

DIVISION 03 – CONCRETE

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03 30 00	Cast-In-Place Concrete	02_04/10/08

DIVISION 04 – MASONRY

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04 20 00	Unit Masonry	04_04/02/10

DIVISION 05 – METALS

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05 12 00	Structural Steel Framing	02_04/10/08
05 21 00	Steel Joist Framing	02_04/10/08
05 31 13	Steel Floor Decking	02_04/10/08
05 31 23	Steel Roof Decking	02_04/10/08
05 40 00	Cold-Formed Metal Framing	02_04/10/08
05 50 00	Metal Fabrications	04_03/22/13

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

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06 10 53	Miscellaneous Rough Carpentry	03_04/10/08
06 16 43	Gypsum Sheathing	02_04/10/09
06 40 23	Interior Architectural Woodwork	03_04/10/08
06 61 16	Solid Surfacing Materials	X_06/15/17

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

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07 11 13	Bituminous Dampproofing	02_08/20/07
07 13 26	Self-Adhering Sheet Waterproofing	01_02/28/06
07 18 00	Traffic Coatings	03_04/10/08
07 21 29	Sprayed Insulation	04_04/10/08
07 26 10	Self-Adhering Air and Vapor Barrier	01_02/28/10
07 26 20	Fluid Applied Air and Vapor Barrier	01_02/28/10
07 42 43	Composite Wall Panels	02_08/20/07
07 52 00	Modified Bituminous Membrane Roofing	04_11/08/10
07 62 00	Sheet Metal Flashing and Trim	04_01/21/10
07 72 00	Roof Accessories	02_08/20/07
07 81 16	Cementitious Fireproofing	02_08/20/07
07 84 13	Penetration Firestopping	03_04/10/08
07 86 00	Outdoor Acoustical Panels	08/11/17
07 92 00	Joint Sealants	03_04/10/08
07 95 13	Expansion Joint Assemblies	02_08/20/07

DIVISION 08 – OPENINGS

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08 11 13	Hollow Metal Doors and Frames	03_04/10/08
08 14 16	Flush Wood Doors	03_04/10/08
08 17 00	Integrated Door Opening Assemblies	X_06/15/17
08 31 13	Access Doors and Frames	02_08/20/07
08 41 13	Aluminum-Framed Entrances and Storefronts	03_04/10/08
08 51 13	Aluminum Windows	04_01/16/14
08 56 56	Window Guards – Interior	02_10/31/06
08 71 00	Door Hardware	04_04/10/09
08 71 13	Automatic Door Operators	01_07/27/07
08 80 00	Glazing	02_04/10/08
08 91 00	Louvers	02_02/20/07

DIVISION 09 – FINISHES

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09 01 22	Plaster Patching	02_08/20/07
09 01 24	Plaster Renovation	01_02/28/06
09 05 61.13	Moisture Vapor Emission Control	A_06/15/17
09 21 16	Gypsum Board Assemblies	03_04/10/08
09 23 00	Gypsum Plastering	02_08/20/07
09 30 00	Tiling	03_04/10/08
09 51 13	Acoustical Panel Ceilings	03_01/13/14
09 64 29	Wood Strip and Plank Flooring	01_02/28/06
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09 77 23	Fabric-Wrapped Panels	02_08/20/07
09 91 00	Painting	02_01/16/14
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10 14 03	Interior Signage	02_08/20/07
10 14 05	Exterior Signage	02_08/20/07
10 14 06	Exterior Signage – Remote Parking Lots	02_08/20/07
10 14 07	Exterior Signage – Emergency	02_08/20/07
10 21 13	Toilet Compartments	02_04/10/08
10 26 05	Corner Guards	03_04/10/08
10 28 13	Toilet Accessories	03_01/27/11
10 44 00	Fire Protection Specialties	02_08/20/07
10 44 03	Installation of Fire Extinguishers and Cabinets	01_02/28/06

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11 52 13	Projection Screens	02_08/20/07
11 66 23.01	Gymnasium Equipment – Elementary Schools	02_08/20/07

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12 24 14	Roller Window Shades – Motorized	02_08/20/07
12 35 53	Wood Laboratory Casework	03_04/28/10
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FACILITY SERVICES SUBGROUP

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22 05 53	Identification for Plumbing Piping and Equipment	02_05/10/13
22 07 00	Plumbing Insulation	04_05/22/08
22 11 16	Domestic Water Piping	01_02/28/06
22 11 19	Domestic Water Piping Specialties	01_02/28/06
22 11 23	Domestic Water Pumps	01_02/28/06
22 11 23.13	Domestic Water Packaged Booster Pumps	02_11/06/09
22 13 16	Sanitary Waste and Vent Piping	01_02/28/06
22 14 13	Facility Storm Drainage Piping	01_02/28/06
22 14 23	Drainage Piping Specialties	01_02/28/06
22 14 26	Facility Storm Sewer Drainage	03_01/21/10
22 14 29	Sump Pumps	01_02/28/06
22 36 00	Commercial Fuel-Fired Water Heaters	01_02/28/06
22 40 00	Plumbing Fixtures	02_02/06/09
22 66 53	Chemical-Waste Piping	01_02/28/06

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23 05 05	Basic HVAC Materials and Methods	03_08/20/10
23 05 29	Hangers and Supports for Piping and Equipment	01_02/28/06
23 05 48	Vibration Controls for HVAC Piping and Equipment	01_02/28/06
23 05 53	Identification for HVAC Piping and Equipment	02_05/10/13
23 05 93	Testing, Adjusting, and Balancing for HVAC	03_03/18/11
23 07 00	HVAC Insulation	07_05/31/13
23 31 13	Metal DuctsB	03_08/20/10
23 33 00	Air Duct Accessories	02_12/06/09
23 34 23	HVAC Power Ventilators	01_02/28/06
23 37 13	Diffusers, Registers, and Grilles	01_02/28/06
23 37 23	HVAC Gravity Ventilators	01_02/28/06
23 74 15	Packaged Rooftop Units	01_02/28/06
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26 05 05	Basic Electrical Materials and Methods	03_07/23/14
26 05 11	Conductors and Cables for Electrical Systems	02_07/23/14
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26 05 29	Hangers and Supports for Electrical Systems	01_02/28/06
26 05 33	Raceways and Boxes for Electrical Systems	03_04/13/09
26 05 53	Identification for Electrical Systems	02_03/30/06
26 05 73	Overcurrent Protective Device Coordination Study	01_02/28/06
26 08 13	Testing of Electrical Systems	01_02/28/06
26 09 23	Lighting Control Devices	01_02/28/06
26 24 13	Switchboards	01_02/28/06
26 24 16	Panelboards	02_02/28/06
26 27 26	Wiring Devices	02_12/04/08
26 28 16	Enclosed Switches and Circuit Breakers	01_02/28/06
26 43 00	Surge Protection Devices	02_08/20/10
26 51 00	Interior Lighting	02_02/26/14
26 56 00	Exterior Lighting	02_02/26/14

DIVISION 27 – COMMUNICATIONS

<i>Section Number</i>	<i>Section Title</i>	<i>CPS Control Rev.</i>
27 05 03	Communications General Requirements	02_07/23/14
27 05 53	Identification for Communication Systems	02_07/23/14
27 08 00	Commissioning of Communications	02_07/23/14
27 11 16	Cabinets Racks Enclosures	06_07/23/14
27 13 13	Communications Copper Backbone Cabling	02_03/30/10
27 13 23	Communications Optical Fiber Backbone Cabling	04_07/23/14
27 15 00.19	Data Communications Horizontal Cabling	03_07/23/14
27 51 16	Public Address Systems	01_02/28/06
27 53 13	Master Clock Systems	03_07/23/14
27 53 15	Intercom, Master Clock, and Program Equipment Interface	05_07/23/14
27 60 13	Wireless Access Points for Data Communications	02_07/23/14

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<i>Section Number</i>	<i>Section Title</i>	<i>CPS Control Rev.</i>
28 13 13	Access Control System (Small Installation)	02_07/23/14
28 16 00	Intrusion Detection	03_07/23/14
28 23 03	CCTV System and Components (Renovations Only)	02_03/10/10
28 31 00	Fire Detection and Alarm	03_11/08/10

SITE AND INFRASTRUCTURE SUBGROUP

DIVISION 31 – EARTHWORK

<i>Section Number</i>	<i>Section Title</i>	<i>CPS Control Rev.</i>
31 13 00	Tree and Landscape Protection	D_06/15/17
31 22 14	Earthwork	05_01/21/10
31 23 17	Excavating, Backfilling, and Compacting for Utilities	03_06/30/08
31 23 23.43	Expanded Polystyrene EPS Geofoam	02_04/10/08

DIVISION 32 – EXTERIOR IMPROVEMENTS

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32 13 13	Portland Cement Concrete Paving	02_08/17/07
32 31 13.43	Chain Link Waste Compactor / Container Fences and Gates	03_01/28/08
32 31 19	Decorative Metal Fences and Gates	04_04/05/10
32 92 23	Sodding	02_08/17/07
32 93 11	Plantings	04_06/30/08

DIVISION 33 – UTILITIES

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33 10 13	Water Service	03_01/21/08
33 41 00	Sewerage and Drainage	D_06/15/17
33 51 13	Natural Gas Piping	07_12/09/11

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Appendix
LEED NC Schools 2009 Checklist
Environmental Report
Acoustical Report
Geotechnical Report (EPI) (Original)
GPR Radar Report
Geotechnical Report Seeco (Basis of Design)
Fire Alarm As-Builts Dated 11/28/16

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SECTION 01 14 11

CONSTRUCTION OPERATIONS AND SITE UTILIZATION PLAN

Mark Sheridan Math & Science Academy

PART 1 - GENERAL

1.1 SUMMARY

- A. The Construction Operations Plan provides a coordinated construction environment to ensure an orderly, secure and safe operation within the existing school and the entire school property, consequently forming the basis for the Site Utilization Plan prepared by the General Contractor.
- B. The Commission Authorized Representative and the Building Engineer will administer the operations plan activities. All Construction Operating issues shall be channeled through and require approval by the Commission Authorized Representative and/or the Building Engineer and Principal.
- C. The Construction Operations Plan will be prepared based on the requirements of the project and in coordination with the existing school operations and program. The elements of this plan required for incorporation into the Site Utilization Plan are included in this section.

1.2 SUBMITTALS

- A. Site Utilization Plan: The GC shall be required to utilize the “CW” software application to submit an electronic copy of the Site Utilization Plan required in Part 3.

1.3 CONSTRUCTION OPERATIONS PLAN

- A. Sequence of Work: See Sheet N09 Phasing Plan. The following items are detailed in the plan::

CONSTRUCTION	
Milestone #1 – Establish safe ingress and egress of existing east vestibule as well as providing construction barriers where indicated. GC to start permit process for temporary driveway.	10/2/2017 to 10/20/2017
Milestone #2 – Establish openings in existing building per bid documents. Work to be completed during winter break in order to avoid interfering with school activities. Provide temporary partitions and access door as required.	12/23/2017 to 1/07/2018
Milestone #3 – Establish temporary driveway parking access for school, set up contractors staging location	10/2/17 complete by 1/31/2018

including area for storm trap structure and provide selective hand digging to expose the existing foundation at new elevator location. Remove and salvage and protect 4 picnic tables, 2 benches on pavers, and trash bin for relocation. Demolish existing toilet room building.	
Milestone #4 – COMED transformer readiness. Complete the switchgear room in the new annex to comply with COMED requirements for transformer work, including but not limited to weatherproof water tight room with lockable door. Relocated construction fence to provide school with additional parking space. Completion of the new annex, existing remodeling work and new elevator.	10/2/2017 to 3/30/2018
Milestone #5 – Start of school renovation work, completion of the site work, and demobilization.	6/25/2018 to 8/10/2018
Final cleaning by contractor complete	8/10/2018
Substantial Completion - Turn over to CPS	8/10/2018
POST-CONSTRUCTION	
1. Final Completion GC	10/10/2018
2. 11-Month Warranty Walkthrough	11 months from Substantial Completion

B. Existing: maintain existing as follows:

- School will be occupied during the construction of the project. Review times and dates of the School hours of operation below:
- Garbage Pickup at site. School garbage pickups is typically M, W, F 5:30am to 7:00am.
- School bus service for Mark Sheridan School:
 - West 27th Street - 7:15a to 7:45a. 2:00p to 2:45p
 - Wallace Street - 2:00p to 2:45p
- Parent Drop off for Mark Sheridan School:
 - West 27th Street - 7:15a to 8:00a. 2:00p to 2:45p
 - Wallace Street – 7:15am to 8:00a.
- School bus Cluster Program
 - West 27th Street – 7:00am to 7:45a, 3:30p to 4:00p

C. Use of Site:

No onsite construction work is to take place during: 9/5/2017 to 9/8/2017 and also the first week of school in September 2018.

No work during the NWA and PARC testing per below.

SCHOOL HOURS OF OPERATION	CONTRACTOR
1. School Track	Regular Track
2. Regular Hours a. Student regular hours: b. Building Engineer regular hours: c. Custodian regular hours:	7:30a – 2:30p 6:30a to 2:30p Engineer is part time between two schools, 8:00a to 5:00p w/1 person @ 6:30a
3. Summer Break 2018: a. Date students depart for summer break: b. Date students return from summer break: c. Date teachers depart for summer break: d. Date teachers return from summer break: e. Building Engineer hours: f. Custodian hours:	6/18/2018 9/4/2018 6/19/2018 Clerks 8/20/2018, Teachers 8/27/2018 6:30a to 2:30pm 7:00a to 3:30p
4. School Spring Break 2018: a. Date students depart for spring break: b. Date students return from spring break: c. Date teachers depart for spring break: d. Date teachers return from spring break: e. Building Engineer hours: f. Custodian hours:	3/23/2018 4/2/2018 3/23/2018 4/2/2018 6:30a to 2:30pf 7:00a to 3:30p
5. Student Testing Dates:	NWA Testing – Mid March to mid-June 2018

	<p>9:30a to 12:30p. Contractor to ensure ComED shut down to be started and completed during spring break week of 03/24/18</p> <p>PARCC testing - March 6 to April 6, 2018 (Dates are approximate, final to be determined by school. Contractor shall not work or make noise during these times.)</p>
6. Student Registration Dates:	On-going during the school year.
7. Open House / Picnic Planned prior to School Opening:	None
8. Sports Team Activities after-hours and during Breaks	None
9. Other After-Hours and Break Community Activities on Campus:	None

D. Contractor Special Requirements:

Contractor is required to perform exploratory investigation to expose the existing footing at the location of the new elevator. This will be by means of “selective hand digging” to determine the conditions as noted on sheet S10, Detail 10.

CRITICAL COORDINATION ITEMS	
1. Cleaning	Contractor provides final cleaning.
OTHER COORDINATION INFORMATION	
1. Assigned CPS cleaning vendor and contact information:	<p>Sodexomagic:</p> <p>Facilities Manager/ Operations Manager – Vanessa Thomas, Venessa.thomas@sodexomagic.com, 312-771-6195</p> <p>Facilities Manager / Oscar Edmond – oedmond@sbcglobal.net, 312-320-1626</p>
2. Does campus have any staff or students with ADA needs:	Maintain access for all students, staff, faculty and public for all existing entries.

3. Any ongoing or other upcoming projects at the School:	None
4. Any leases impacting Work:	None
5. Does project scope require any material to be salvaged?	School will relocate the storage container on the parking area. GC to salvage the removed coping that will be removed for the new elevator shaft and return to school. GC to also return any artifacts found during excavation to school.
6. Staging area(s)	East side of existing parking lot. The west fence not including the area for the storm trap is to be located approximately along the construction driveway. Refer to phasing plan on N09 in drawing set.
7. PM Office Location	The PBC PM and APM will occupy a dedicated space in a contractor provided trailer. Trailers are to be located within the staging area identified on the phasing plan.

1.4 GENERAL REQUIREMENTS

- A. General Contractor shall review and be familiar with the site conditions. Site visits are strongly encouraged. The GC shall participate in site visits, and inspections as appropriate or as requested by the Chicago Public Schools or its agents.
- B. Contractor is required to provide exploratory requirements by means of selective hand digging to expose the existing footing to confirm the conditions represented in sheet S10, detail 10.
- C. General Contractor shall provide a temporary driveway apron for the duration of the construction for the staff of the school. The General Contractor is to **pay all** fees required for processing permits, utility connections and is to contact and comply with all authorities and jurisdiction required for permitting.
- D. General Contractor shall provide snow removal and generally maintain ingress and egress ensuring the site is clear and free of debris further maintaining accessibility that conforms with OSHA, Chicago Building Code and emergency egress standards.
- E. General Contractor shall provide all required permits for street access for truck delivery from the local and state jurisdiction.
- F. General Contractor shall be required to coordinate and complete the work within the contractual completion date(s) for the work as described within Division 00 Document "Supplemental Conditions," Time for Performance and this section. The General Contractor shall be also held responsible for meeting all related provisions as described within this section.

- G. General Contractor shall coordinate access to the building at a mutually agreed upon location. Notification of security for disarming and arming the security system is required on a daily basis when entering the school before school hours or during any academic break. The phone number is 773-553-3335. Arrangements are to be made with the PBC to provide a list contractors who are to call in to security. Contractor will be required to remove CPS core from construction entry door and replace it with a construction core provided by the General Contractor for the duration of the project. At project conclusion, General Contractor shall reinstall original CPS core removed for construction.
- H. General Contractor shall survey the site and photograph the area of construction operations. Upon completion of the work the Contractor is to restore the area to the documented condition prior to the start of work or as otherwise indicated in the Contract Documents. The GC shall provide evidence of compliance.
- I. General Contractor is to replace all trees, bushes, groundcovers and grass on the public way or otherwise damaged as a result of construction activities. Hard surfaces including but not limited to concrete pavement walks and asphalt surfaces shall be restored to condition prior to construction. Restoration of hard surfaces may require cleaning, repair or replacement.
- J. General Contractor shall coordinate work with the school during Mandatory State Testing periods. Test dates should be verified with the school. **No work shall be permitted in the facility or on the site during testing except as specifically approved by the Principal, Building Engineer, and Commission Authorized Representative.** General Contractor must minimize noise in all other areas during these time periods, and if requested by the School, stop work causing the noise until testing is completed. General Contractor shall bear all costs for any loss of time or production related to Mandatory State Testing.
- K. General Contractor shall coordinate and maintain all exit egress, (including providing directional signage as needed to effectively direct the proper ingress/egress in accordance with the schools requirements) during construction as required by the City of Chicago code, other entities with jurisdiction, and as directed by CPS or their representatives. The General Contractor shall provide and maintain all materials and labor including barricades, construction fence, doors, partitions, and fire rated walls as required for safe egress. All costs for this work shall be included in the Contract Base Bid regardless of whether it is indicated in the Contract Documents or not.
- L. No deliveries will be permitted to either the existing facility or the new addition between the hours of **7:00 to 8:00 AM and 2:00 to 3:00 PM.**
- M. The Contractor is to set up and stage the entire project within the boundaries of the construction fence. The General Contractor is responsible for maintaining and modifying the fence as necessary and as approved in the Site Utilization Plan for the life of the project. Removal and disposal of the fence at the conclusion of the project is the responsibility of the General Contractor.
- N. Building Engineer or other CPS staff will not be paid overtime by CPS, in order to be present at times when work is in progress in the existing Building. The General Contractor shall be responsible for all overtime costs for the CPS staff member for work outside of normal working hours, if need is due to construction work. Overtime arrangements for CPS staff includes weekends, holidays, and generally hours beyond that listed in Site Restrictions above. IUOE Local 143 Holidays are as follows (Saturday holidays are observed on Friday, Sunday holidays are observed on Monday):

- New Year's Day.
- Martin Luther King Jr.'s Birthday.
- Lincoln's Birthday.
- Presidents Day.
- Pulaski Day.
- Memorial Day.
- Independence Day.
- Labor Day.
- Columbus Day.
- Veterans Day.
- Thanksgiving.
- Friday after Thanksgiving.
- Christmas Day.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SITE UTILIZATION PLAN

- A. Prior to Notice to Proceed, the General Contractor shall prepare and submit to the Commission, the Building Engineer, and the AOR for approval a Site Utilization Plan based on the Construction Operations requirements outlined in this section.
- B. Mobilization on-site is not to occur until approval of the Site Utilization Plan is obtained. If requested by the Contractor or required by the Commission, a preliminary meeting to review site elements and Construction Operations with the Commission, AOR, and School staff prior to submission of the Site Utilization Plan shall be held.
- C. The Site Utilization Plan shall be provided in a full-size graphic drawing electronic format (36 x 48 inches), printable in 11x17 inch format. Provide a separate plan for the site and for each floor of the existing building where work is being performed. Modifications to the format and sheet size shall be permitted if pre-approved by the Commission Authorized Representative and if proposed modifications shall facilitate preparation, presentation and review of the Site Utilization Plan. Electronic copies of the Contract Document drawings as appropriate shall be provided for this purpose upon request. The Site Utilization Plan shall at a minimum include the following elements:
 - Title block information including School Name, Contract Number, General Contractor, Building floor/level information, and current plan date.
 - Building footprint of both new (if applicable) and existing buildings, trees, landscaping, paving, drainage structures, existing and ornamental fencing and other important site features.
 - Areas of staging for students and staff, student drop-off points, existing school entrances and exits, staff parking areas, and traffic patterns for both construction and non-construction vehicles.
 - Denotation of the limits of construction and required construction fencing including any existing fencing to remain.

- Denotation of required covered construction barricade walkways
- Denotation of areas allowed for staging purposes: construction personnel parking, material storage, and construction trailer(s). Such activities are to only take place in areas designated.
- Denotation of any specific site conditions required to be observed such as keeping alleys clear next to adjacent properties, and any other issues listed on the Construction Operations Site Plan.
- Denotation of areas allowed for site access gates.
- Denotation of areas of work within the existing building for the period of time covered by the Site Utilization Plan, coordinated with the Project Schedule. Each area should indicate planned beginning and end dates for work in that area. Areas where all work is completed are to be noted.
- Construction worker ingress/egress, material staging areas in the existing building.
- Proposed locations of temporary protection, barricades, and temporary walls within the existing building.
- Denotation of all temporary exits and path of travel.
- Indication of specific areas and their required contractual completion dates. If overtime work is required to meet the project dates it shall be at no additional cost to the Chicago Public Schools.

3.2 SITE UTILIZATION PLAN UPDATES

- A. The General Contractor is required to submit for approval updated Site Utilization Plans whenever conditions in the current approved plan have changed. Approval is required prior to proceeding on any changed conditions not previously approved. Requirements for updating include the following:

In coordination with the project schedule provide detailed information regarding work in the existing building including phasing, vacation of existing in-use areas, and any other information requested by the Commission Authorized Representative, Principal, or Building Engineer. Revision to the site plan to reflect changing conditions regarding construction fencing, ingress and egress, student and staff staging, construction deliveries, areas of stored materials, parking, and any other construction facility revisions.

3.3 CONSTRUCTION OPERATIONS PLAN

- A. Construction Phasing

1. All work during the academic year must be performed according to the dates and constraints including the Milestones on the phasing plans.
2. All work must be contained within a construction fence.
3. Prior to masonry work, contractor shall construct a mock-up of dust containment system. System must prevent construction dust from migrating into school building.
4. Contractor shall be responsible for moving furniture and school materials as necessary for work. Contractor shall return the furniture and school materials to be original location at turnover. **School will pack and move classroom materials in room 107, 207, and 307 closet materials for elevator hallway work. School is also responsible for moving furniture and computers from room 008 to accommodate construction work. School**

has specifically requested the moving of existing gymnasium equipment located on the third floor. GC responsible to relocate 2 trees of chairs, 11 steppers and stationary bikes, 6 fitness mat and cart, 7 filing cabinets, and 22 gymnastic and black fitness mats from the existing gymnasium to the new gymnasium storage.

5. Contractor shall conduct a survey of existing smart boards, wall-mounted LCD screens, and projectors with school's IT department. Contractor shall protect all equipment during construction. Contractor shall review conditions of equipment with school's IT department prior to turnover.
6. Contractor shall provide final cleaning of interior spaces at the building at the end of the [Summer 2018](#). Contractor shall coordinate turnover of interior spaces with school's custodial manager and prepare turnover schedule. After turnover, Contractor shall not re-enter spaces.
7. Contractor shall demobilize and complete the landscaping work according to the phasing plan.

END OF SECTION

SECTION 07 42 43

COMPOSITE WALL PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes engineering, fabrication and installation of metal panel system as indicated and as specified.

1.2 SUBMITTALS

- A. Product Data: Submit complete printed data on panel system indicating features and products to be provided demonstrating specification compliance.
 - 1. Submit full line color charts for selections by Architect.
- B. Shop Drawings: Submit complete layout and installation drawings indicating method of attachment signed and sealed by a State of Illinois Licensed Structural Engineer.
- C. Samples: Submit mock-up at least 10" square consisting of two panel sections having corner bends and attachment devices.

1.3 QUALITY ASSURANCE

- A. Fabricator: Experienced in the engineering of the panel system and attachment system.
- B. Installer: Experienced in the installation of the panel system and acceptance to the manufacturer.
- C. Regulatory Requirements: Verify and conform to requirements of authorities having jurisdiction.
 - 1. Flame spread rating of maximum 15 and smokes developed maximum 105 when tested in accordance with ASTM E 84.
- D. Preinstallation Conference: Conduct preconstruction conference at the project site in compliance with requirements of Division 01 Section "Project Management and Coordination."
 - 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 2. Review methods and procedures related to metal wall panel installation, including manufacturer's written instructions.
 - 3. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
 - 4. Review flashings, special details, wall penetrations, openings, and condition of other construction that will affect metal wall panels.

5. Review temporary protection requirements for metal wall panel assembly during and after installation.
6. Review wall panel observation and repair procedures after metal wall panel installation.

1.4 PERFORMANCE REQUIREMENTS

- A. Deflection and Thermal Movement: Provide systems that conform to the following criteria under wind loading of 25 psf inward and 25 psf outward except 30 psf at corners:
 1. Normal Deflection: Deflection of perimeter framing member not to exceed L/175 normal to plane of the wall; deflection of individual panels not to exceed L/60.
 2. Anchor Deflection: At connection points of framing members to anchors, anchor deflection in any direction not to exceed 1/16 inch.
 3. Thermal Movements: Allow for free horizontal and vertical thermal movement, due to expansion and contraction of components over a temperature range from 1°F to 180°F.
 - a. Buckling, opening of joints, undue stress on fasteners, failure of sealants, or any other detrimental effects of thermal movement will not be permitted.
 - b. Fabrication, assembly, and erection procedures shall take into account the ambient temperature range at the time of the respective operation.
- B. Water and Air Leakage: Provide systems that have been tested and certified to conform to the following criteria:
 1. Air Leakage: Not more than 0.06 cfm per square foot of wall area, when tested at 1.57 psf in accordance with ASTM E 283.
 2. Water Penetration: No water infiltration under static pressure when tested in accordance with ASTM E331 at a differential of 10% of inward acting design load, 6.24 psf minimum, after 15 minutes.
 - a. Water penetration is defined as the appearance of uncontrolled water in the wall.
 - b. Wall design shall feature provisions to drain to the exterior face of the wall a leakage of water at joints and any condensation that may occur within the construction.
- C. Structural: Provide systems that have been tested in accordance with ASTM E 330 at a design pressure of 40 psf and have been certified to be without permanent deformation or failures of structural members.

1.5 DELIVERY, STORAGE, HANDLING

- A. Deliver in manufacturer's original unopened, undamaged containers or wrapping.
- B. Handle and install in exact accordance with manufacturer's recommendations.
- C. Remove and replace damaged panels.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Subject to compliance with drawing and specification requirements and availability, provide product and system of one of the following:
 - 1. Mitsubishi.
 - 2. Alusuisse Composites.
 - 3. Reynolds Metals.
 - 4. Citadel.

2.2 MATERIALS/FABRICATION

- A. Panels: Minimum 4 MM (0.157 inch) thick composed of a structural core of fire retardant thermoset polymer composite having an exterior skin of minimum 0.020" aluminum and an interior skin minimum of .010 aluminum.
- B. Accessories: Fabricated of non-corrosive metal to provide secure attachment to supporting construction as shown and as required to resist design loads.
- C. Sealant: One component polyurethane sealant as recommended by panel system manufacturer.
- D. Insulation built into formed panel: Polyisocyanurate board insulation conforming to ASTM C 1289, Type I, Class 1 or 2, having maximum flame-spread of 75 and smoke developed of 450 for 4" thickness; Atlas, Dow or RMax. **Provide R value of 20 min LTTR.**

2.3 FABRICATION

- A. Fabricate panels to exact profiles and dimensions with sharp breaks and angles, which surfaces free of warp and buckle.
- B. Provide fully concealed attachment system without exposed trim.

2.4 FINISH

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations relative to applying and designating finishes.
- B. Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.
- C. High Performance Organic Coating: Polyvinylidene fluoride, 70% strength, thermocured system, composed of specially formulated primer and topcoats, complying with AAMA 2605. See drawings for final approved color. No substitutions.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Erect panel system plumb, level and true to profile and location with uniform joints square and true to at corners.
- B. Provide fully concealed attachment system to meet performance requirements.
- C. Install attachment system required to support wall panels and to provide a complete weather tight wall system, including subgirts, perimeter extrusions, tracks, drainage channels, panel clips, and anchor channels.
 - 1. Include attachment to supports, panel-to-panel joinery, panel-to-dissimilar-material joinery, and panel-system joint seals
- D. Clip Installation: Attach panel clips to supports at each wall panel joint at locations, spacings, and with fasteners recommended by manufacturer. Attach routed-and-returned flanges of all panels to panel clips with manufacturer's standard fasteners.
 - 1. Seal horizontal and vertical joints between adjacent panels with sealant backing and sealant.

3.2 CLEANING

- A. Clean installed system to provide uniform appearance.

END OF SECTION

SHERIDAN ELEMENTARY CHICAGO PUBLIC SCHOOL

533 W. 27TH STREET
CHICAGO, IL. 60616

DEVICE ADDRESS LIST	
ADDRESS	ANNUNCIATION
L1D001	BSMT. FAN RM. 006 ABOVE FCP SMOKE DETECTOR
L1D002	RTU-2 DUCT SMOKE DETECTOR, FIELD VERIFY
L1D003	RTU-1 DUCT SMOKE DETECTOR, FIELD VERIFY
L1M001	BSMT. NAC PANEL CONTROL MODULE
L1M002	BSMT. EAST STAIR PULL STATION
L1M003	BSMT. NORTH STAIR PULL STATION
L1M004	BSMT. SPRNKLR RM. PUMP RUN MONITOR MOD.
L1M005	BSMT. SPRNKLR RM MAIN RISER MONITOR MOD.
L1M006	BSMT. BOILER RM. 012 SPRINKLER MONITOR MOD.
L1M007	BSMT. SOUTH STAIR PULL STATION
L1M008	1ST FL. EAST STAIR PULL STATION
L1M009	1ST FL. NORTH STAIR PULL STATION
L1M010	1ST FL. NORTH STAIR SPRINKLER MONITOR MOD.
L1M011	1ST FL. SOUTH STAIR PULL STATION
L1M012	2ND FL. EAST STAIR PULL STATION
L1M013	2ND FL. NORTH STAIR PULL STATION
L1M014	2ND FL. NORTH STAIR SPRINKLER MONITOR MOD.
L1M015	2ND FL. CORR. 210 FIRE ESCAPE PULL STATION
L1M016	2ND FL. SOUTH STAIR PULL STATION
L1M017	3RD FL. EAST STAIR PULL STATION
L1M018	RTU-1 HVAC SHUTDOWN RELAY MODULE
L1M019	RTU-2 HVAC SHUTDOWN RELAY MODULE
L1M020	3RD FL. NORTH STAIR PULL STATION
L1M021	3RD FL. NORTH STAIR SPRINKLER MONITOR MOD.
L1M022	3RD FL. ASSEMBLY HALL 303 FIRE ESC. PULL STATION
L1M023	3RD FL. SOUTH STAIR PULL STATION
L1M024	3RD FL. CLASSROOM 304 PULL STATION

SUPERVISORY DEVICE ADDRESS LIST	
ADDRESS	ANNUNCIATION
01	BSMT. FAN RM. 006 CO DETECTOR MONITOR MOD.
02	BSMT. COAL RM. CO DETECTOR MONITOR MOD.
03	BSMT. No. CORRIDOR CO DETECTOR MONITOR MOD.
04	BSMT. BOILER RM. 012 CO DETECTOR MONITOR MOD.
05	BSMT. BOILER RM. 012 SPRINKLER VALVE MONITOR MOD.
06	BSMT. SPRNKLR RM AC FAIL MONITOR MOD.
07	BSMT. SPRNKLR RM PHASE REVERSAL MONITOR MOD.
08	BSMT. SPRNKLR RM CITY INCOMING MONITOR MOD.
09	BSMT. SPRNKLR RM CHECK VALVE MONITOR MOD.
10	BSMT. SPRNKLR RM FP INLET MONITOR MOD.
11	BSMT. SPRNKLR RM FP DISCHARGE MONITOR MOD.
12	BSMT. SPRNKLR RM FP BYPASS MONITOR MOD.
13	BSMT. SPRNKLR RM TEST HEADER MONITOR MOD.
14	BSMT. SPRNKLR RM RISER MONITOR MOD.
15	1ST FL. No. CORRIDOR CO DETECTOR MONITOR MOD.
16	1ST FL. NORTH STAIR SPRINKLER VALVE MONITOR MOD.
17	2ND FL. No. CORRIDOR CO DETECTOR MONITOR MOD.
18	2ND FL. NORTH STAIR SPRINKLER VALVE MONITOR MOD.
19	3RD FL. No. CORRIDOR CO DETECTOR MONITOR MOD.
20	3RD FL. NORTH STAIR SPRINKLER VALVE MONITOR MOD.

SCOPE OF WORK	
OCCUPANCY TYPE:	CLASS C-3, TYPE 1-A, ELEMENTARY SCHOOL
CONSTRUCTION TYPE:	TYPE I-B
SPRINKLER COVERAGE:	100% SPRINKLERED
SCOPE OF WORK:	INSTALLATION OF A NEW CLASS-1 FIRE ALARM SYSTEM (NOTIFIER NFS-320) PROTECTING AN EXISTING THREE-STORY PLUS A BASEMENT CPS BUILDING PER CBC SECT. 15-16-110 (a) (2).
	NOTE: THERE IS NO ELEVATOR IN THE BUILDING.

FIRE ALARM SYSTEM NOTIFIER NFS-320

DRAWING INDEX	
FA-01	COVER PAGE
FA-02	BASEMENT LAYOUT
FA-03	1ST FLOOR LAYOUT
FA-04	2ND FLOOR LAYOUT
FA-05	3RD FLOOR LAYOUT
FA-06	FACP, SSCP & FCPS-24S8 WIRING DIAGRAMS
FA-07	RISER & TYP. DEVICE WIRING DIAGRAMS

REVISIONS		
REV	DATE	DESCRIPTION
A	11/28/16	ISSUED FOR APPROVAL
B	12/21/16	REVISED PER DCAP COMMENTS
C		PER FIELD AS-BUILT, UPDATE FACP, MFLAR

EQUIPMENT SUPPLIER




Specializing in Engineered Fire Alarm Systems Sales & Service
15W278 N Frontage Rd • Burr Ridge, IL 60527
Tel: 630-920-9100 • Fax: 630-920-9470
State of IL Fire Alarm License # 127-001272

INSTALLING CONTRACTOR

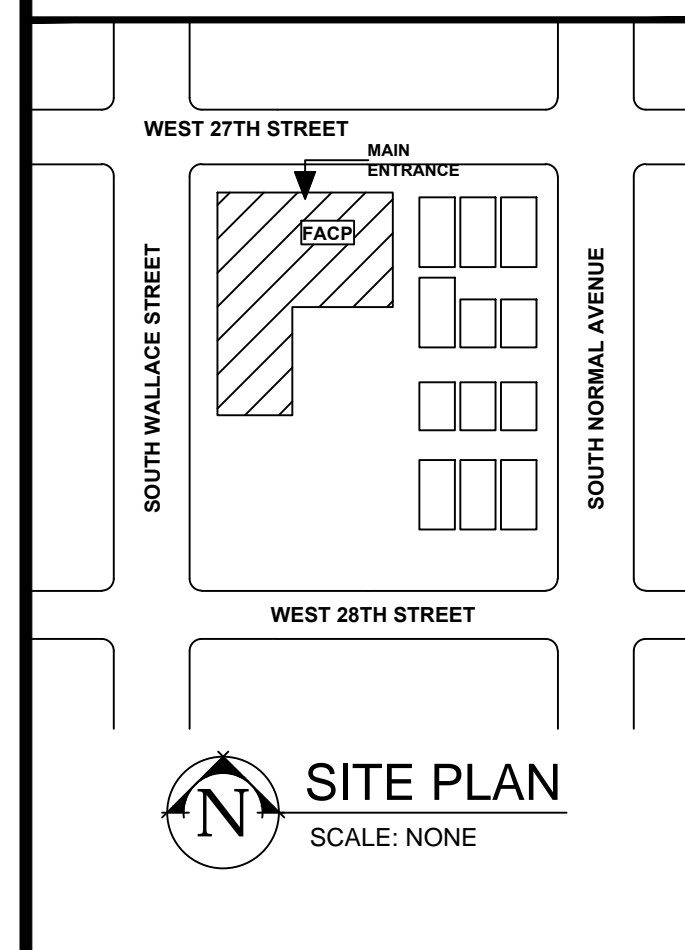
Argo Electric

1007 N. Ellsworth Ave.
Villa Park, IL 60181
Tel: (630) 833-9925
Fax: (630) 833-9348

CITY OF CHICAGO
APPROVAL STAMP

A.P.# 100683504

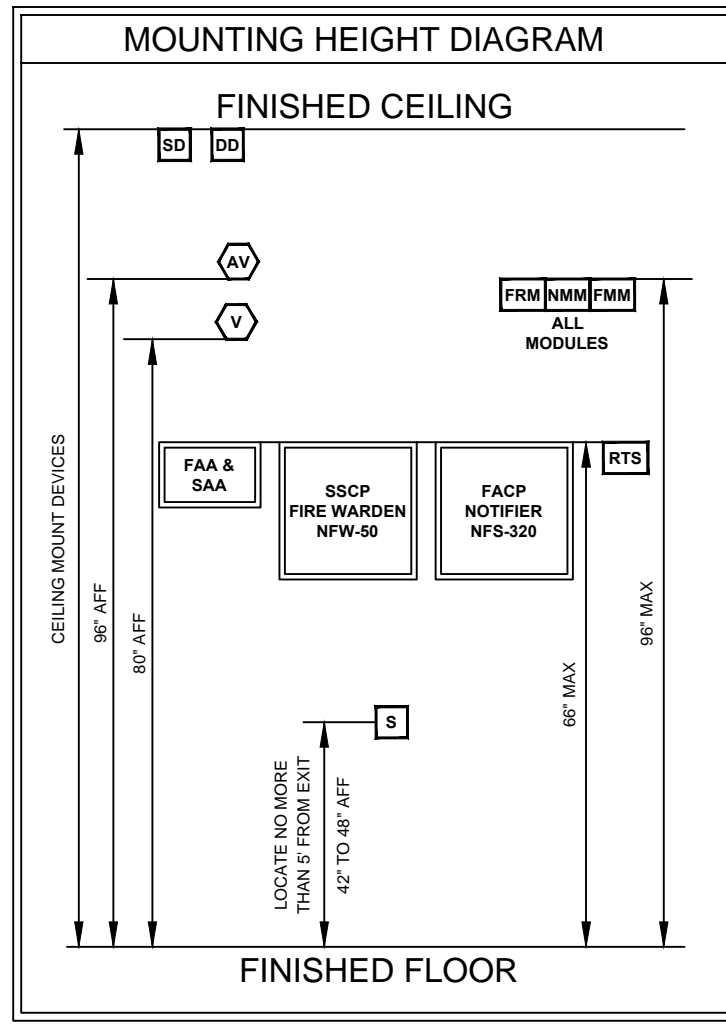
AS-BUILT DRAWING
JANUARY 2017
High Rise Security Systems, LLC



PROJECT ADDRESS:
SHERIDAN ELEMENTARY
533 W. 27TH STREET
CHICAGO, IL. 60616

SHEET TITLE:
**FIRE ALARM SYSTEM
COVER PAGE**

DRAWN BY: CE	SCALE: NONE	APPROVED BY:
DATE: 11/28/16		
JOB NUMBER: 3816	REVISION: C	SHEET NUMBER: FA-01



ZONE	FLOOR	LOCATION	DESCRIPTION	DEVICE	BD	SD	WD	PPR	CO	ANNUNCIATION
Z1	BASEMENT	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	1	0	3	0	0		BASEMENT FLOOR DETECTION
Z2	BASEMENT	BOILER ROOM	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		BASEMENT SPRINKLER
Z3	BASEMENT	SPRINKLER PUMP ROOM	THIS ZONE IS MONITORING: FIRE PUMP RUN	0	0	0	0	1		BASEMENT FIRE PUMP RUN
Z4	BASEMENT	SPRINKLER PUMP ROOM	THIS ZONE IS MONITORING: MAIN RISER	0	0	0	1	0		BASEMENT MAIN RISER
Z5	1ST FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	0	0	3	0	0		1ST FLOOR DETECTION
Z6	1ST FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		1ST FLOOR SPRINKLER
Z7	2ND FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	0	0	4	0	0		2ND FLOOR DETECTION
Z8	2ND FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		2ND FLOOR SPRINKLER
Z9	3RD FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	0	0	5	0	0		3RD FLOOR DETECTION
Z10	3RD FLOOR	NORTH CORRIDOR EAST END	THIS ZONE IS MONITORING: DUCT DETECTOR DETECTION	0	1	0	0	0		DUCT DETECTION RTU-2
Z11	3RD FLOOR	NORTH CORRIDOR	THIS ZONE IS MONITORING: DUCT DETECTOR DETECTION	0	1	0	0	0		DUCT DETECTION RTU-1
Z12	3RD FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		3RD FLOOR SPRINKLER

DESIGNATION LETTER	AWG	NUMBER OF CONDUCTORS	TYPE	SHIELDED/ UNSHIELDED	USE DESCRIPTION	BELDEN PART # & OD IN INCHES
A	16	2	FPLR	UNSHIELDED	ADDRESSABLE SIGNALING LINE CIRCUIT (SLC)	522DL 0.740
C	14	2	THHN	UNSHIELDED	NOTIFICATION APPLIANCE CIRCUIT (NAC)	NA 0.1110
F	14	2	THHN	UNSHIELDED	NON-RESETTABLE 24VDC POWER	NA 0.1110
M	14	2	THHN	UNSHIELDED	MISCELLANEOUS FIRE ALARM CONNECTIONS	NA 0.1110
N	16	2	FPLR	SHIELDED	EIA-485 DATA	522FL 0.740
Q	14	1	THHN	UNSHIELDED	CITY TR BOWLING WIRING	NA 0.1110
R	14	2	THHN	UNSHIELDED	REMOTE TEST SWITCH WIRING	NA 0.1110
S	12	3	THHN	UNSHIELDED	120VAC INPUT FROM DEDICATED SOURCE	NA 0.1300

IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO USE THE CORRECT WIRE TYPE, REGARDS OF WHAT IS LISTED IN THE WIRE SCHEDULE. IF WIRE IS RUN IN A RIGID CONDUIT, THE WIRE SHALL BE PROTECTED. IF WIRE IS RUN IN A RISER, THE RISER RATED CABLE (FPLR) SHALL BE USED, ETC.

* IF THERE IS ANY DEVIATION TO THE WIRE LISTED ABOVE, THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT THE PROPER CONDUIT FILL IS NOT EXCEEDED. FOR EMT 1 WIRE 50%, 2 WIRES 33%, AND MORE THAN 2 WIRES 40%.

* ALL CONDUIT TO BE 3/4" EMT MINIMUM UNLESS NOTED.

CIRCUIT NUMBER	LOCATION	DEVICE TYPE & CURRENT DRAW IN MA					TOTAL DEVICES PER CIRCUIT	TOTAL AMPS PER CIRCUIT	CIRCUIT LENGTH IN FEET	VOLTAGE AT LAST DEVICE
		V 150V	V 200V	V 240V	V 277V	V 300V				
AV1	BASEMENT NE	1	1	3	1	1	7	0.802	200	18.79
AV2	BASEMENT SOUTH	0	2	0	1	5	0.706	250	19.32	
AV3	1ST FLOOR NE	0	1	3	1	1	6	0.836	200	19.37
AV4	1ST FLOOR SOUTH	0	0	4	0	1	5	0.808	300	18.81

SUPPLIED AMPS: 6 USED AMPS: 3.522 REMAINING AMPS: 2.478 MINIMUM VOLTAGE: 17.00

* OHMS PER 1000' REFERS TO SOLID UNCOATED COPPER WIRE AS STATED IN 2005 NEC, TABLE 8

10 GAUGE = 1.21 12 GAUGE = 1.59 14 GAUGE = 3.07 16 GAUGE = 4.89 18 GAUGE = 7.77 *OHMS PER 1000' = 3.07

CIRCUIT NUMBER	LOCATION	DEVICE TYPE & CURRENT DRAW IN MA					TOTAL DEVICES PER CIRCUIT	TOTAL AMPS PER CIRCUIT	CIRCUIT LENGTH IN FEET	VOLTAGE AT LAST DEVICE
		V 150V	V 200V	V 240V	V 277V	V 300V				
AV5	BASEMENT	0	2	4	1	1	8	1.101	180	18.18
AV6	1ST FLOOR	0	0	5	0	1	6	0.966	300	18.42
AV7	2ND FLOOR	0	0	6	0	1	7	1.124	200	19.22
AV8	3RD FLOOR	0	0	3	0	2	5	0.828	320	18.78

SUPPLIED AMPS: 6 USED AMPS: 4.017 REMAINING AMPS: 1.983 MINIMUM VOLTAGE: 17.00

* OHMS PER 1000' REFERS TO SOLID UNCOATED COPPER WIRE AS STATED IN 2005 NEC, TABLE 8

10 GAUGE = 1.21 12 GAUGE = 1.59 14 GAUGE = 3.07 16 GAUGE = 4.89 18 GAUGE = 7.77 *OHMS PER 1000' = 3.07

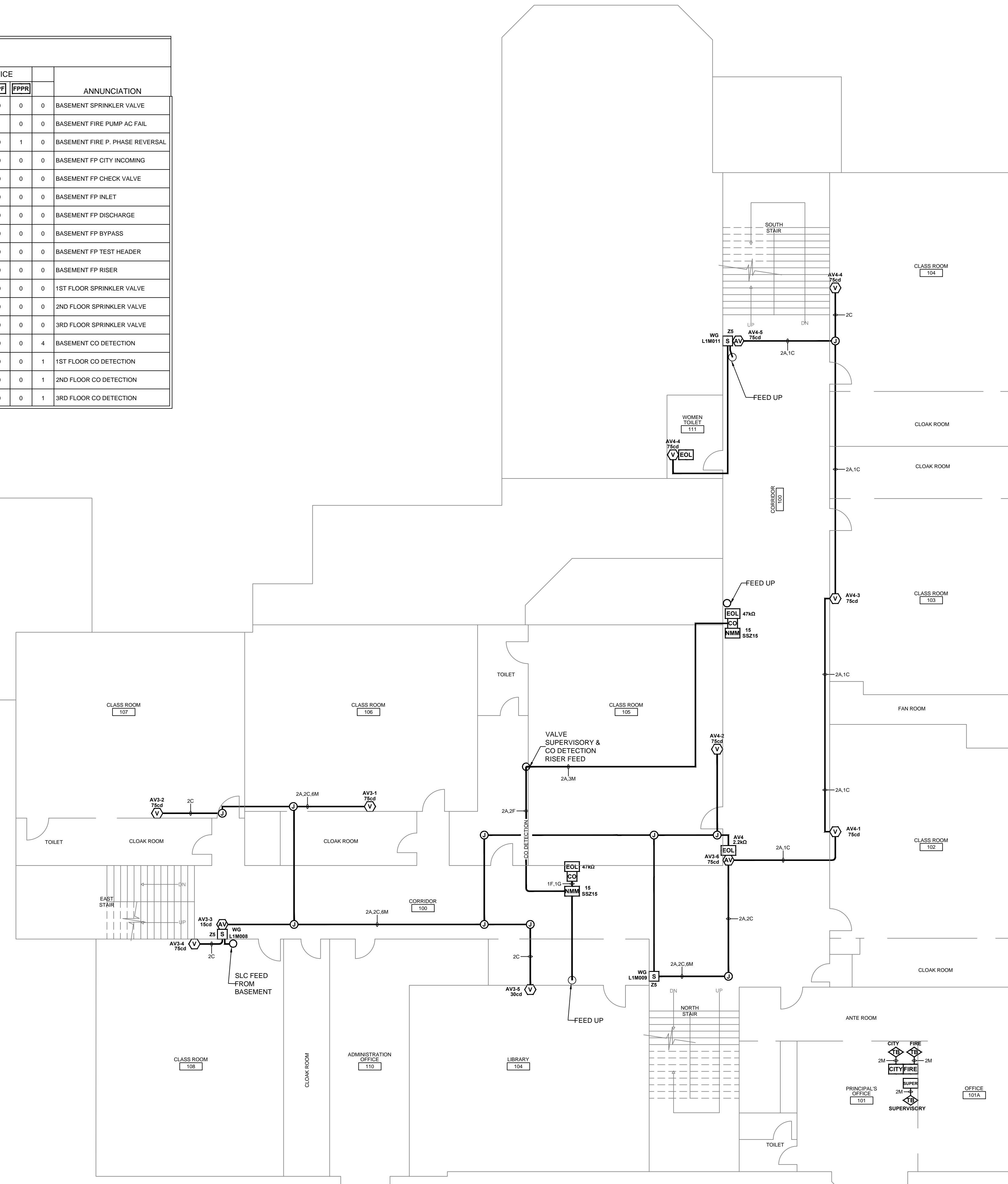
SYM	DESCRIPTION	PART NO.
FACP	FIRE ALARM CONTROL PANEL	NFS-320
FAA	FIRE ALARM ANNUNCIATOR	XLB
SSCP	SUPERVISORY SWITCH CONTROL PANEL	NFM-50
SSA	SUPERVISORY SWITCH REMOTE ANNUNCIATOR	N-ARM-80
ES	PHOTOELECTRIC SMOKE DETECTOR	FSP-801
ES	SINGLE STATION CARBON MONOXIDE DETECTOR, 10WAC	CO12AT
ES	DUCT MOUNT PHOTOELECTRIC SMOKE DETECTOR	DMR
RTI	REMOTE TEST SWITCH	RTS15HEV
MMS	MANUAL PULL STATION WITH POLYCARBONATE GUARD	NBS-12X-WT E113150
NMM	ADDRESSABLE MONITOR MODULE	FRM-1
NMM	ADDRESSABLE MONITOR MODULE (SUPERVISORY PANEL)	NMM-100
FRM	ADDRESSABLE RELAY MODULE	FRM-1
FRM	ADDRESSABLE RELAY MODULE	FRM-1
SR	STROBE, WALL MOUNT	SR
PSR	HORN/STROBE, WALL MOUNT	PSR
OW-20774-R	CITY TIE BOX	OW-20774-R
BY OTHERS	FIRE PUMP RUN	BY OTHERS
BY OTHERS	FIRE PUMP AC FAIL	BY OTHERS
BY OTHERS	FIRE PUMP PHASE REVERSAL	BY OTHERS
BY OTHERS	SPRINKLER SYSTEM WATERFLOW SWITCH	BY OTHERS
BY OTHERS	SPRINKLER VALVE SUPERVISION SWITCH	BY OTHERS
VARIABLES	END-OF-LINE RESISTOR	VARIABLES
BY OTHERS	JUNCTION BOX	BY OTHERS
SBM-4-6	FIRE SYSTEM 4" 24VDC BELL	SBM-4-6
SBM-4-6	CITY TIE SYSTEM 4" 24VDC BELL	SBM-4-6
SBM-4-6	SUPERVISORY PANEL SYSTEM 4" 24VDC BELL	SBM-4-6
CITY	CHICAGO BELL CONTROLLER	CITY
FIRE	CHICAGO BELL CONTROLLER	FIRE
SUPERVISORY	CHICAGO BELL CONTROLLER	SUPERVISORY

- ### FIRE ALARM SYSTEM NOTES
- NO ADDRESSABLE MODULES TO BE MOUNTED OVER 60" AFF.
 - NO REMOTE TEST SWITCHES TO BE MOUNTED OVER 72" AFF.
 - ELECTRICAL CONTRACTOR/INSTALLER TO VERIFY (UPON JOB COMPLETION) THAT ALL WATERFLOW & TAMPER SWITCHES HAVE NORMALLY OPEN CONTACTS IN NON-ALARM STATE.
 - ELECTRICAL CONTRACTOR/INSTALLER TO VERIFY (UPON JOB COMPLETION) THAT ALL CIRCUITS ARE FREE FROM BOTH NORMAL & OPEN CONDITIONS.
 - ELECTRICAL CONTRACTOR/INSTALLER SHALL NOT DEVIATE FROM DEVICE ADDRESSES AS LABELED ON DRAWINGS WITHOUT FIRST CONTACTING HIGH RISE SECURITY SYSTEMS. CONTACT: 630-920-9470.
 - NO DEVICE OR PANEL (FCP, FCPS OR TRANSDUCER PANEL) SHALL BE MOUNTED IN AREAS GREATER THAN 8' FROM BELOW 2' CONSTANT NO EQUIPMENT TO BE MOUNTED IN HIGH HUMIDITY/MOISTURE AREAS.
 - ALL ADDRESSABLE DEVICES SHALL SOUND THE CONTINUOUS PATTERN.
 - WHEN MORE THAN TWO (2) VISUAL NOTIFICATION APPLIANCES ARE IN THE SAME ROOM OR ADJACENT SPACES WITHIN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. THIS SHALL INCLUDE ALL STROBES OR GROUPS OF STROBES OPERATED BY SEPARATE SYSTEMS.
 - ELECTRICAL CONTRACTOR/INSTALLER TO OBSERVE SOUND OUTPUT OF ADDRESSABLE DEVICES TO BE IN COMPLIANCE WITH NFPA 72 SECTION 7.4.2.1. WHENEVER ALL ADDRESSABLE SIGNALS SHALL HAVE A SOUND LEVEL AT LEAST 5db ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5db ABOVE THE MAXIMUM SOUND LEVEL.
 - IF AT ALL POSSIBLE, WEATHERPROOF ADDRESSABLE VISUAL DEVICES SHALL NOT BE INSTALLED WHERE DIRECT CONTACT WITH THE ELEMENTS MAY OCCUR. KEEP DEVICE UNDER AN AWNING OR CANOPY.
 - WEATHERPROOF ADDRESSABLE VISUAL DEVICES & FITTINGS SHALL BE LIGHTIGHTLY INSTALLED IN ACCORDANCE WITH IBC SEC. 601.5. SILICON SEALANT OR TEFLON TAPE SHALL BE USED ON ALL THREADED PIPE, FITTINGS, & PLUGS. & THE BACK OF THE BOX MEETING THE WALL SHALL ALSO BE SEALED WITH SILICON SEALANT.
 - FIELD INSTALLED DEVICES SHALL NOT BE HAND MARKED FOR ANY REASON. FOR THE PURPOSE OF IDENTIFICATION OR OTHER PERTINENT INFORMATION, USE A TOUCH LABELER OR EQUIVALENT.
 - ALL BATTERIES TO BE PERMANENTLY MARKED WITH THE MONTH & YEAR OF MANUFACTURE, USING THE MM/YYYY FORMAT.
 - PRIMARY POWER CIRCUITS FOR ALL FIRE ALARM EQUIPMENT SHALL BE SUPPLIED BY A DEDICATED BRANCHED CIRCUIT.
 - PRIMARY POWER CIRCUITS FOR ALL FIRE ALARM EQUIPMENT SHALL BE MECHANICALLY PROTECTED WITH A BREAKER LOCK.
 - PRIMARY POWER DISCONNECTING MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, & SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT".
 - THE LOCATION OF THE PRIMARY POWER DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL PANEL.
 - PRIMARY POWER SHALL NOT BE APPLIED (TURNED ON) TO THE FIRE ALARM CONTROL PANEL OR ANY OTHER FIRE ALARM POWER SUPPLY UNLESS THERE IS A HIGH RISE SECURITY SYSTEMS REPRESENTATIVE PRESENT.
 - DETECTOR SPACING IS BASED ON SMOOTH CEILING, IF ANY BEAM JOIST, PEEKS, OR SPOKE CEILING EXIST, CONTACT HIGH RISE SECURITY SYSTEMS PRIOR TO INSTALLING ANY AUTOMATIC DETECTION DEVICE.
 - FIELD VERIFY THAT DETECTORS ARE MOUNTED AT LEAST THREE (3) FEET FROM ANY AIR SUPPLY, OUTLET, RETURN AIR OPENING OR SPRINKLER HEAD.
 - ALL STAIRWELL PENETRATIONS MUST BE 2-HOUR RATED.
 - PERMIT HOLDING ELECTRICAL CONTRACTOR TO BE PRESENT IN ALL ASPECTS OF THE SYSTEM TESTING.
 - CONTRACTOR SHALL COORDINATE WITH SPRINKLER CONTRACTOR TO DETERMINE EXACT LOCATION AND QUANTITIES OF WATER FLOW AND VALVE TAMPER CONNECTIONS NEEDED, AND SHALL INCLUDE AND PROVIDE AS PART OF THE BASE BID.

ZONE	FLOOR	LOCATION	DESCRIPTION	VSB	FPF	PPR	PPRR	ANNUNCIATION
SS21	BASEMENT	BOILER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT SPRINKLER VALVE
SS22	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: FIRE PUMP AC FAIL	0	1	0	0	BASEMENT FIRE PUMP AC FAIL
SS23	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: FIRE PUMP PHASE REVERSAL	0	0	1	0	BASEMENT FIRE P. PHASE REVERSAL
SS24	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT FIRE CITY INCOMING
SS25	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT FP CHECK VALVE
SS26	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT FP INLET
SS27	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT FP DISCHARGE
SS28	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT FP BYPASS
SS29	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT FP TEST HEADER
SS210	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	BASEMENT FP RISER
SS211	1ST FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	1ST FLOOR SPRINKLER VALVE
SS212	2ND FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	2ND FLOOR SPRINKLER VALVE
SS213	3RD FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	0	3RD FLOOR SPRINKLER VALVE
SS214	BASEMENT	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	0	4	BASEMENT CO DETECTION
SS215	1ST FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	0	1	1ST FLOOR CO DETECTION
SS216	2ND FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	0	1	2ND FLOOR CO DETECTION
SS217	3RD FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	0	1	3RD FLOOR CO DETECTION

VALUE	COLOR CODE
120 OHM	1 BROWN 2 RED 3 BROWN
2.2K OHM	1 RED 2 RED 3 RED
3.9K OHM	1 ORANGE 2 WHITE 3 RED
4.7K OHM	1 YELLOW 2 VIOLET 3 RED
10K OHM	1 BROWN 2 BLACK 3 BROWN
20K OHM	1 ORANGE 2 BLACK 3 BROWN
47K OHM	1 YELLOW 2 VIOLET 3 ORANGE

1 GOLD OR SILVER (TOLERANCE)
2
3



1ST FLOOR LAYOUT
SCALE: 1/8" = 1'-0"

REV	DATE	DESCRIPTION	BY
A	11/28/16	ISSUED FOR APPROVAL	CE
B	12/21/16	REVISED PER DCAP COMMENTS	CE
C		PER FIELD AS-BUILT, UPDATE FAX MYLAR	CE

EQUIPMENT SUPPLIER

NOTIFIER

HRSS
HIGH RISE SECURITY SYSTEMS, LLC
Specializing in Engineered Fire Alarm Systems Sales & Service
15W278 N Frontage Rd • Burr Ridge, IL 60527
Tel: 630-920-9100 • Fax: 630-920-9470
State of IL Fire Alarm License # 127-091272

INSTALLING CONTRACTOR

Argo Electric
1007 N. Ellsworth Ave.
Villa Park, IL 60181
Tel: (630) 833-9925
Fax: (630) 833-9348

CITY OF CHICAGO
APPROVAL STAMP

A.P.# 100683504

AS-BUILT DRAWING
JANUARY 2017
High Rise Security Systems, LLC

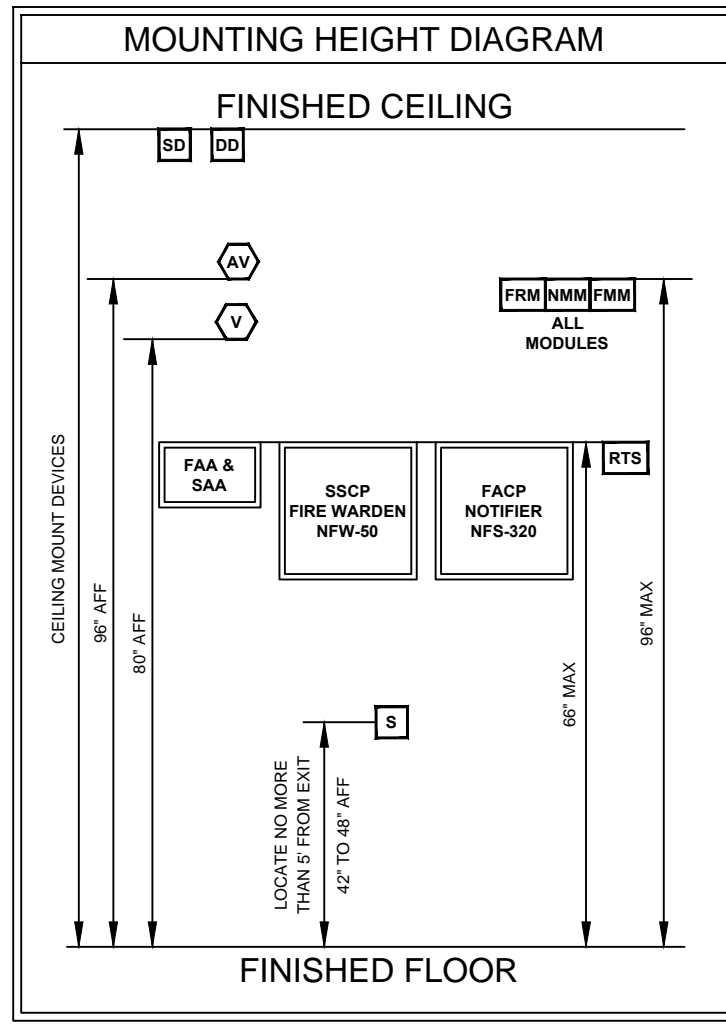
CHICAGO PUBLIC SCHOOLS

SITE PLAN
SCALE: NONE

PROJECT ADDRESS:
SHERIDAN ELEMENTARY
533 W. 27TH STREET
CHICAGO, IL. 60616

SHEET TITLE:
FIRE ALARM SYSTEM
DEVICE LAYOUT
1ST FLOOR

DRAWN BY: CE	SCALE: 1/8" = 1'-0"	APPROVED BY:
DATE: 11/28/16	REVISION:	SHEET NUMBER:
JOB NUMBER: 3816	C	FA-03



ZONE	FLOOR	LOCATION	DESCRIPTION	DETECT	SM	SR	SP	ST	CO	ANNUNCIATION
Z1	BASEMENT	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	1	0	3	0	0		BASEMENT FLOOR DETECTION
Z2	BASEMENT	BOILER ROOM	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		BASEMENT SPRINKLER
Z3	BASEMENT	SPRINKLER PUMP ROOM	THIS ZONE IS MONITORING: FIRE PUMP RUN	0	0	0	0	1		BASEMENT FIRE PUMP RUN
Z4	BASEMENT	SPRINKLER PUMP ROOM	THIS ZONE IS MONITORING: MAIN RISER	0	0	0	1	0		BASEMENT MAIN RISER
Z5	1ST FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	0	0	3	0	0		1ST FLOOR DETECTION
Z6	1ST FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		1ST FLOOR SPRINKLER
Z7	2ND FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	0	0	4	0	0		2ND FLOOR DETECTION
Z8	2ND FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		2ND FLOOR SPRINKLER
Z9	3RD FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: DETECTION	0	0	5	0	0		3RD FLOOR DETECTION
Z10	3RD FLOOR	NORTH CORRIDOR EAST END	THIS ZONE IS MONITORING: DUCT DETECTOR DETECTION	0	1	0	0	0		DUCT DETECTION RTU-2
Z11	3RD FLOOR	NORTH CORRIDOR	THIS ZONE IS MONITORING: DUCT DETECTOR DETECTION	0	1	0	0	0		DUCT DETECTION RTU-1
Z12	3RD FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER	0	0	0	1	0		3RD FLOOR SPRINKLER

DESIGNATION LETTER	AWG	NUMBER OF CONDUCTORS	TYPE	SHIELDED/ UNSHIELDED	USE DESCRIPTION	BELDEN PART # & OD IN INCHES
A	16	2	FPLR	UNSHIELDED	ADDRESSABLE SIGNALING LINE CIRCUIT (SLC)	522DL 0.3140
C	14	2	TRHN	UNSHIELDED	NOTIFICATION APPLIANCE CIRCUIT (NAC)	NA 0.1110
F	14	2	TRHN	UNSHIELDED	NON-RESEATABLE 3AWG POWER	NA 0.1110
M	14	2	TRHN	UNSHIELDED	MISCELLANEOUS FIRE ALARM CONNECTIONS	NA 0.1110
N	16	2	FPLR	SHIELDED	EIA-485 DATA	522FL 0.1780
G	14	1	TRHN	UNSHIELDED	CITY TR BOWLING WIRING	NA 0.1110
R	14	2	TRHN	UNSHIELDED	REMOTE TEST SWITCH WIRING	NA 0.1110
S	12	3	TRHN	UNSHIELDED	120VAC INPUT FROM DEDICATED SOURCE	NA 0.1300

CIRCUIT NUMBER	LOCATION	DEVICE TYPE & CURRENT DRAW IN MA	TOTAL DEVICES PER CIRCUIT	TOTAL AMPS PER CIRCUIT	CIRCUIT LENGTH IN FEET	VOLTAGE AT LAST DEVICE
AV1	BASEMENT NE	V 150V 66, V 300V 107, V 750V 158, V 150V 79, V 750V 176	7	0.862	200	18.79
AV2	BASEMENT SOUTH	0, 0, 2, 2, 0, 1, 1, 5	5	0.706	250	19.32
AV3	1ST FLOOR NE	0, 0, 1, 3, 1, 1, 1, 6	6	0.836	200	19.37
AV4	1ST FLOOR SOUTH	0, 0, 0, 4, 0, 1, 1, 5	5	0.808	300	18.81

SYM	DESCRIPTION	PART NO.
[FCP]	FIRE ALARM CONTROL PANEL	NFS-320
[FAA]	FIRE ALARM ANNUNCIATOR	XLB
[SSC]	SUPERVISORY SWITCH CONTROL PANEL	NFM-90
[SSA]	SUPERVISORY SWITCH REMOTE ANNUNCIATOR	N-AM-80
[ES]	PHOTOELECTRIC SMOKE DETECTOR	FSP-801
[ES]	SINGLE STATION CARBON MONOXIDE DETECTOR, 10WAC	CO12AT
[ES]	DUCT MOUNT PHOTOELECTRIC SMOKE DETECTOR	DMR
[RTS]	REMOTE TEST SWITCH	RTS18VEV
[MPS]	MANUAL PULL STATION WITH POLYCARBONATE GUARD	NFS-12X-WT-E113150
[FM]	ADDRESSABLE MONITOR MODULE	FM-1
[NM]	ADDRESSABLE MONITOR MODULE (SUPERVISORY PANEL)	NMM-100
[FCM]	ADDRESSABLE CONTROL MODULE	FCM-1
[FRM]	ADDRESSABLE RELAY MODULE	FRM-1
[SR]	STROBE WALL MOUNT	SR
[PSR]	HORN/STROBE WALL MOUNT	PSR
[CWB]	CITY TE BOX	OW-29774-R
[FP]	FIRE PUMP RUN	BY OTHERS
[FPF]	FIRE PUMP AC FAIL	BY OTHERS
[FPR]	FIRE PUMP PHASE REVERSAL	BY OTHERS
[WFS]	SPRINKLER SYSTEM WATERFLOW SWITCH	BY OTHERS
[VSS]	SPRINKLER VALVE SUPERVISION SWITCH	BY OTHERS
[ELR]	END-OF-LINE RESISTOR	VARIABLE
[JTB]	JUNCTION BOX	BY OTHERS
[SBM-4]	FIRE SYSTEM 4" 24VDC BELL	SBM-4
[SBM-6]	CITY TE SYSTEM 6" 24VDC BELL	SBM-6
[SBM-8]	SUPERVISORY PANEL SYSTEM 6" 24VDC BELL	SBM-8
[CCT]	CHICAGO BELL CONTROLLER	CITY
[FRT]	CHICAGO BELL CONTROLLER	FIRE
[SUPER]	CHICAGO BELL CONTROLLER	SUPERVISORY

- FIRE ALARM SYSTEM NOTES**
- NO ADDRESSABLE MODULES TO BE MOUNTED OVER 96" AFF.
 - NO REMOTE TEST SWITCHES TO BE MOUNTED OVER 72" AFF.
 - ELECTRICAL CONTRACTOR/INSTALLER TO VERIFY (UPON JOB COMPLETION) THAT ALL WATERFLOW & TAMPER SWITCHES HAVE NORMALLY OPEN CONTACTS IN NON-ALARM STATE.
 - ELECTRICAL CONTRACTOR/INSTALLER TO VERIFY (UPON JOB COMPLETION) THAT ALL CIRCUITS ARE FREE FROM BOTH NORMAL & OPEN CONDITIONS.
 - ELECTRICAL CONTRACTOR/INSTALLER SHALL NOT DEVIATE FROM DEVICE ADDRESSES AS LABELED ON DRAWINGS WITHOUT FIRST CONTACTING HIGH RISE SECURITY SYSTEMS LLC AT 833-992-0470.
 - NO DEVICE OR PANEL (FCP, FCPS OR TRANSDUCER PANEL) SHALL BE MOUNTED IN AREAS GREATER THAN 8 FT FOR BELOW 2 FT CONSTANT NO EQUIPMENT TO BE MOUNTED IN HIGH HUMIDITY WAREHOUSE AREAS.
 - ALL ADDRESSABLE DEVICES SHALL SOUND THE CONTINUOUS PATTERN.
 - WHEN MORE THAN TWO (2) VISUAL NOTIFICATION APPLIANCES ARE IN THE SAME ROOM OR ADJACENT SPACES WITHIN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. THIS SHALL INCLUDE ALL STROBES OR GROUPS OF STROBES OPERATED BY SEPARATE SYSTEMS.
 - ELECTRICAL CONTRACTOR/INSTALLER TO OBSERVE SOUND OUTPUT OF ADDRESSABLE DEVICES TO BE IN COMPLIANCE WITH NFPA 72 SECTION 7.4.1.1. WHENEVER ALL ADDRESSABLE DEVICES SHALL HAVE A SOUND LEVEL AT LEAST 5db ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5db ABOVE THE MAXIMUM SOUND LEVEL.
 - IF AT ALL POSSIBLE, WEATHERPROOF ADDRESSABLE VISUAL DEVICES SHALL NOT BE INSTALLED WHERE DIRECT CONTACT WITH THE ELEMENTS MAY OCCUR. KEEP DEVICES UNDER AWNINGS OR CANOPY.
 - WEATHERPROOF ADDRESSABLE VISUAL DEVICES & FITTINGS SHALL BE INSTALLED/INSTALLED IN ACCORDANCE WITH DSR ARTICLES 509, SILICON SEALANT OR TEFLON TAPE SHALL BE USED ON ALL THREADED PIPE, FITTINGS, A PULGE, & THE BACK OF THE BOX MEETING THE WALL. SHALL ALSO BE SEALED WITH SILICON SEALANT.
 - FIELD INSTALLED DEVICES SHALL NOT BE HAND MARKED FOR ANY REASON. FOR THE PURPOSE OF IDENTIFICATION OF DEVICES OR OTHER PERTINENT INFORMATION, USE A P-TOUCH LABELER OR EQUIVALENT.
 - ALL BATTERIES TO BE PERMANENTLY MARKED WITH THE MONTH & YEAR OF MANUFACTURE, USING THE MM/YY FORMAT.
 - PRIMARY POWER FOR ALL FIRE ALARM EQUIPMENT SHALL BE SUPPLIED BY A DEDICATED BRANCHED CIRCUIT.
 - PRIMARY POWER CIRCUITS FOR ALL FIRE ALARM EQUIPMENT SHALL BE MECHANICALLY PROTECTED WITH A BREAKER LOCK.
 - PRIMARY POWER DISCONNECTING MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, & SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT".
 - THE LOCATION OF THE PRIMARY POWER DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL PANEL.
 - PRIMARY POWER SHALL NOT BE APPLIED (TURNED ON) TO THE FIRE ALARM CONTROL PANEL OR ANY OTHER FIRE ALARM POWER SUPPLY UNLESS THERE IS A HIGH RISE SECURITY SYSTEMS REPRESENTATIVE PRESENT.
 - DETECTOR SPACING IS BASED ON SMOOTH CEILING, IF ANY BEAM JOIST, PEAKS, OR BIRDS EXIST, CONTACT HIGH RISE SECURITY SYSTEMS PRIOR TO INSTALLING ANY AUTOMATIC DETECTION DEVICE.
 - FIELD VERIFY THAT DETECTORS ARE MOUNTED AT LEAST THREE (3) FEET FROM ANY AIR SUPPLY, OUTLET, RETURN AIR OPENING OR SPRINKLER HEAD.
 - ALL STAIRWELL PENETRATIONS MUST BE 2-HOUR RATED.
 - PERMIT HOLDING ELECTRICAL CONTRACTOR TO BE PRESENT IN ALL ASPECTS OF THE SYSTEM TESTING.
 - CONTRACTOR SHALL COORDINATE WITH SPRINKLER CONTRACTOR TO DETERMINE EXACT LOCATION AND QUANTITIES OF WATER FLOW AND VALVE TAMPER CONNECTIONS NEEDED, AND SHALL INCLUDE AND PROVIDE AS PART OF THE BASE BID.

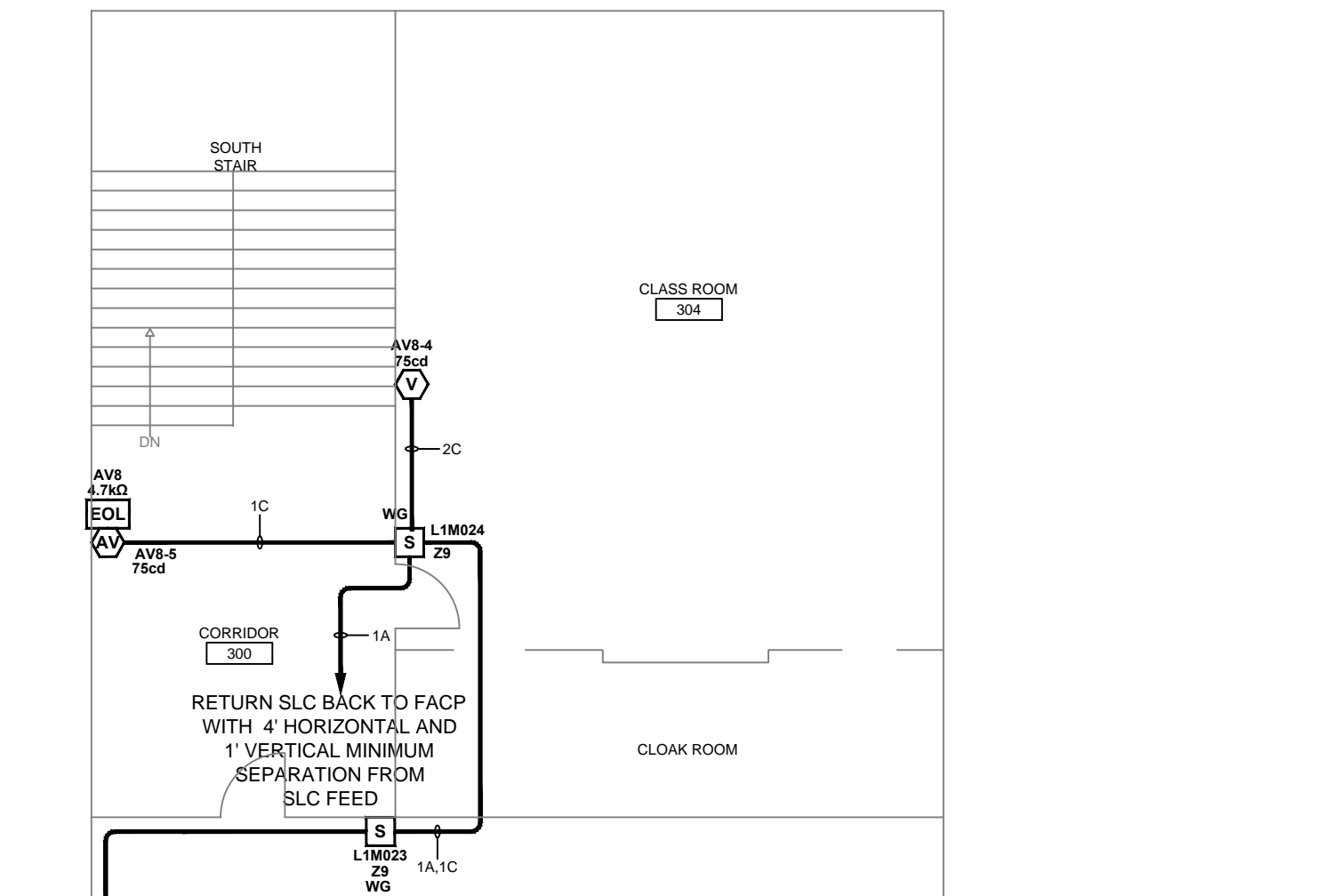
ZONE	FLOOR	LOCATION	DESCRIPTION	VSB	FPF	FPR	ANNUNCIATION
SS21	BASEMENT	BOILER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT SPRINKLER VALVE
SS22	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: FIRE PUMP AC FAIL	0	1	0	BASEMENT FIRE PUMP AC FAIL
SS23	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: FIRE PUMP PHASE REVERSAL	0	0	1	BASEMENT FIRE P. PHASE REVERSAL
SS24	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT FP CITY INCOMING
SS25	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT FP CHECK VALVE
SS26	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT FP INLET
SS27	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT FP DISCHARGE
SS28	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT FP BYPASS
SS29	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT FP TEST HEADER
SS210	BASEMENT	SPRINKLER ROOM	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	BASEMENT FP RISER
SS211	1ST FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	1ST FLOOR SPRINKLER VALVE
SS212	2ND FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	2ND FLOOR SPRINKLER VALVE
SS213	3RD FLOOR	NORTH STAIRS	THIS ZONE IS MONITORING: SPRINKLER VALVE	1	0	0	3RD FLOOR SPRINKLER VALVE
SS214	BASEMENT	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	4	BASEMENT CO DETECTION
SS215	1ST FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	1	1ST FLOOR CO DETECTION
SS216	2ND FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	1	2ND FLOOR CO DETECTION
SS217	3RD FLOOR	ENTIRE FLOOR	THIS ZONE IS MONITORING: CO DETECTION	0	0	1	3RD FLOOR CO DETECTION

IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO USE THE CORRECT WIRE TYPE, BEGULDS OR WHAT IS LISTED IN THE WIRE SCHEDULE. IF WIRE IS RUN IN A RIGID, THEN RIGID RATED CABLE (RPP) SHALL BE USED. IF WIRE IS RUN IN A RISER, THEN RISER RATED CABLE (RPP) SHALL BE USED, ETC.

* IF THERE IS ANY DEVIATION TO THE WIRE LISTED ABOVE, THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT THE PROPER CONDUIT FILL IS NOT EXCEEDED. FOR EMT 1 WIRE IS 31%, 2 WIRES IS 31%, AND MORE THAN 2 WIRES IS 40%.

* ALL CONDUIT TO BE 3/4" EMT MINIMUM UNLESS NOTED.

CIRCUIT NUMBER	LOCATION	DEVICE TYPE & CURRENT DRAW IN MA	TOTAL DEVICES PER CIRCUIT	TOTAL AMPS PER CIRCUIT	CIRCUIT LENGTH IN FEET	VOLTAGE AT LAST DEVICE
AV5	BASEMENT	0, 0, 2, 4, 1, 1, 1, 8	8	1.101	180	18.16
AV6	1ST FLOOR	0, 0, 5, 0, 1, 1, 6	6	0.966	300	18.42
AV7	2ND FLOOR	0, 0, 6, 0, 1, 7, 1.124	7	1.124	200	19.22
AV8	3RD FLOOR	0, 0, 3, 0, 2, 5, 0.828	5	0.828	320	18.78



SCOPE OF WORK

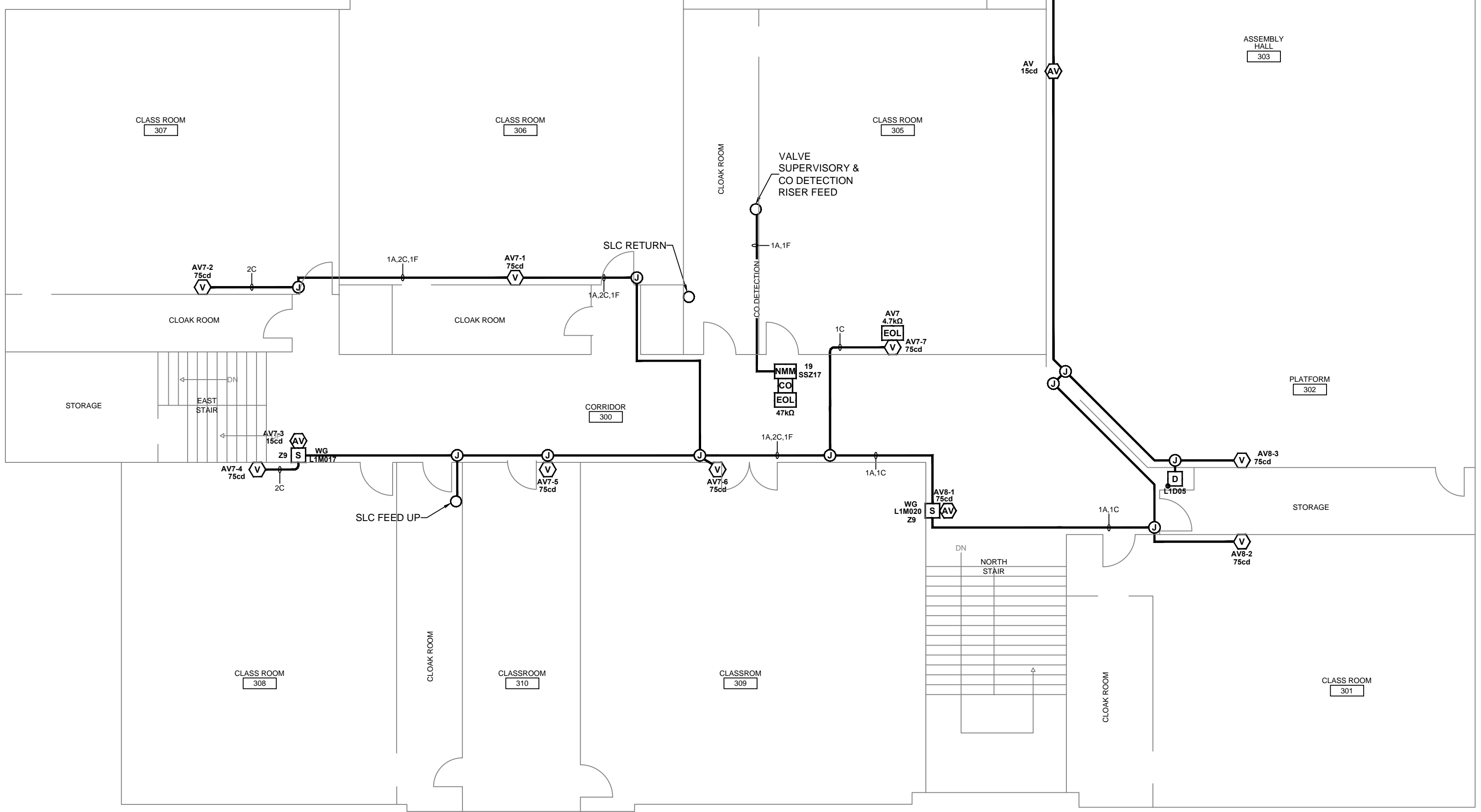
OCCUPANCY TYPE: CLASS C-1 TYPE 1-A, ELEMENTARY SCHOOL
 CONSTRUCTION TYPE: TYPE I-B
 SPRINKLER COVERAGE: 100% SPRINKLERED
 SCOPE OF WORK: INSTALLATION OF A NEW CLASS-1 FIRE ALARM SYSTEM (NOTIFIER NFS-320) PROTECTING AN EXISTING THREE STORY PLUS A BASEMENT OFF BUILDING PER CIRC. SECT. 19-10-10 (C).
 NOTE: THERE IS NO ELEVATOR IN THE BUILDING.

ABBREVIATIONS

15cd = 15 CANDELA RATING
 30cd = 30 CANDELA RATING
 75cd = 75 CANDELA RATING
 AFF = ABOVE FINISHED FLOOR
 WG = WIRE, PLASTIC OR POLYCARBONATE GUARD
 NAC = NOTIFICATION APPLIANCE CIRCUIT
 SLC = SIGNALING LINE CIRCUIT (ADDRESSABLE)
 WP = WEATHERPROOF

SET ALL HORNS TO CONTINUOUS PATTERN

VALUE	COLOR CODE
120 OHM	2 BROWN 2 RED
2.2K OHM	2 RED 2 BROWN
3.9K OHM	1 RED 2 ORANGE 1 RED
4.7K OHM	1 RED 2 VIOLET 1 RED
10K OHM	1 BROWN 2 BLACK 1 BROWN
20K OHM	1 BROWN 2 BLACK 1 ORANGE
47K OHM	1 YELLOW 2 VIOLET 1 ORANGE



3RD FLOOR LAYOUT
SCALE: 1/8" = 1'-0"

REV	DATE	DESCRIPTION	BY
A	11/28/16	ISSUED FOR APPROVAL	CE
B	12/21/16	REVISED PER DCAP COMMENTS	CE
C		PER FIELD AS-BUILT, UPDATE FAX MYLAR	CE

EQUIPMENT SUPPLIER

HRSS
HIGH RISE SECURITY SYSTEMS, LLC
Specializing in Engineered Fire Alarm Systems Sales & Service
15W278 N Frontage Rd • Burr Ridge, IL 60527
Tel: 630-920-0100 • Fax: 630-920-0470
State of IL Fire Alarm License # 127-001272

INSTALLING CONTRACTOR

Argo Electric
1007 N. Ellsworth Ave.
Villa Park, IL 60181
Tel: (630) 833-9925
Fax: (630) 833-9348

CITY OF CHICAGO APPROVAL STAMP

A.P.# 100683504

AS-BUILT DRAWING
JANUARY 2017
High Rise Security Systems, LLC

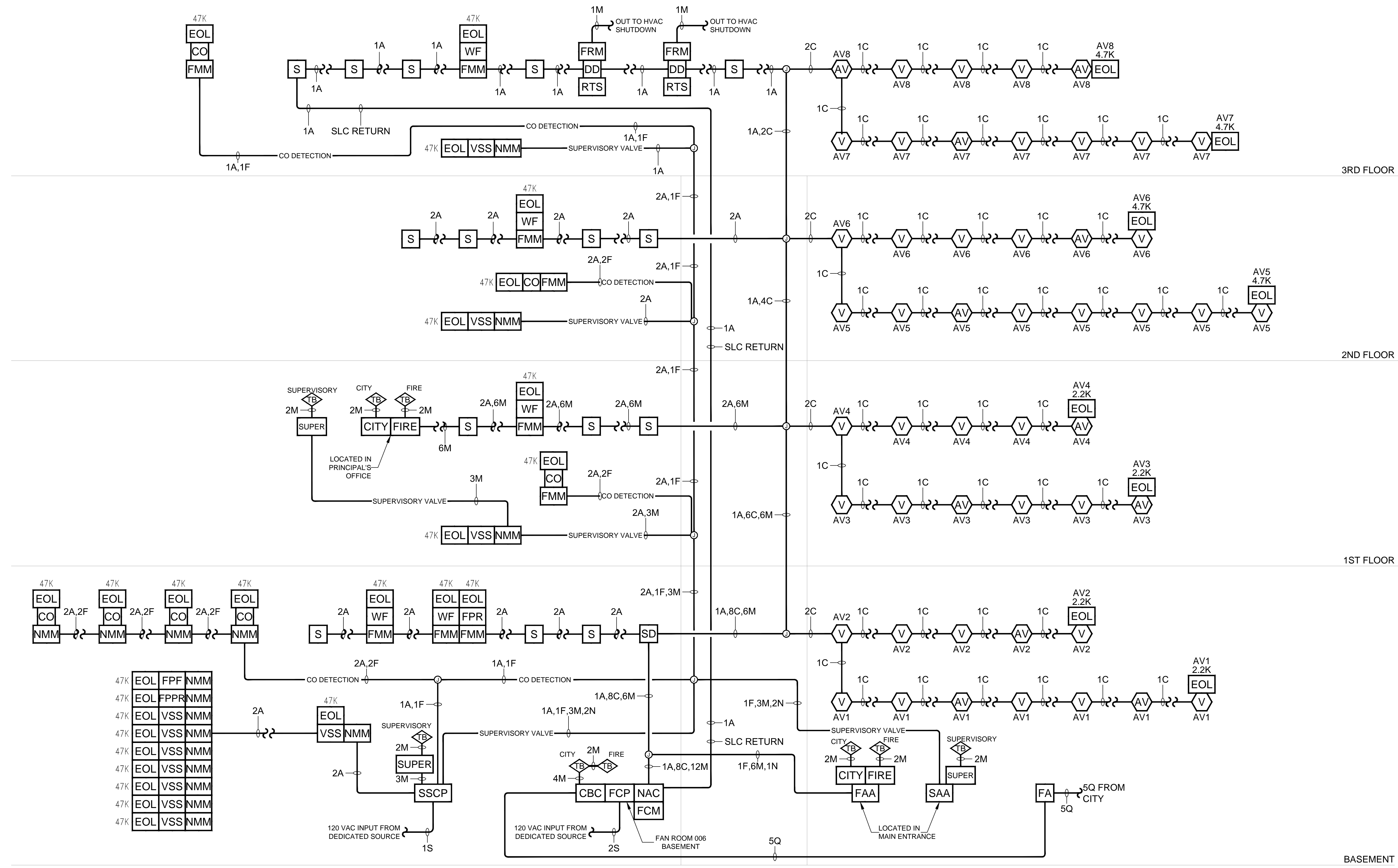
CHICAGO PUBLIC SCHOOLS

SITE PLAN
SCALE: NONE

PROJECT ADDRESS:
SHERIDAN ELEMENTARY
533 W. 27TH STREET
CHICAGO, IL. 60616

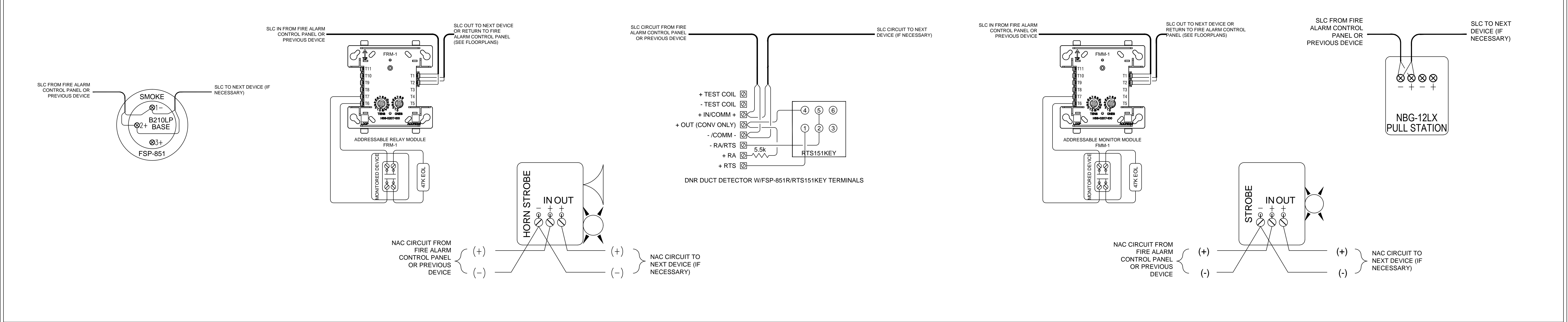
SHEET TITLE:
FIRE ALARM SYSTEM
DEVICE LAYOUT
3RD FLOOR

DRAWN BY: CE	SCALE: 1/8" = 1'-0"	APPROVED BY:
DATE: 11/28/16	REVISION:	SHEET NUMBER:
JOB NUMBER: 3816	C	FA-05



RISER DIAGRAM

TYPICAL DEVICE WIRING DIAGRAMS



REVISIONS		
REV	DATE	DESCRIPTION
A	11/28/16	ISSUED FOR APPROVAL
B	12/21/16	REVISED PER DCAP COMMENTS
C		PER FIELD AS-BUILT, UPDATE F.A. MYLAR

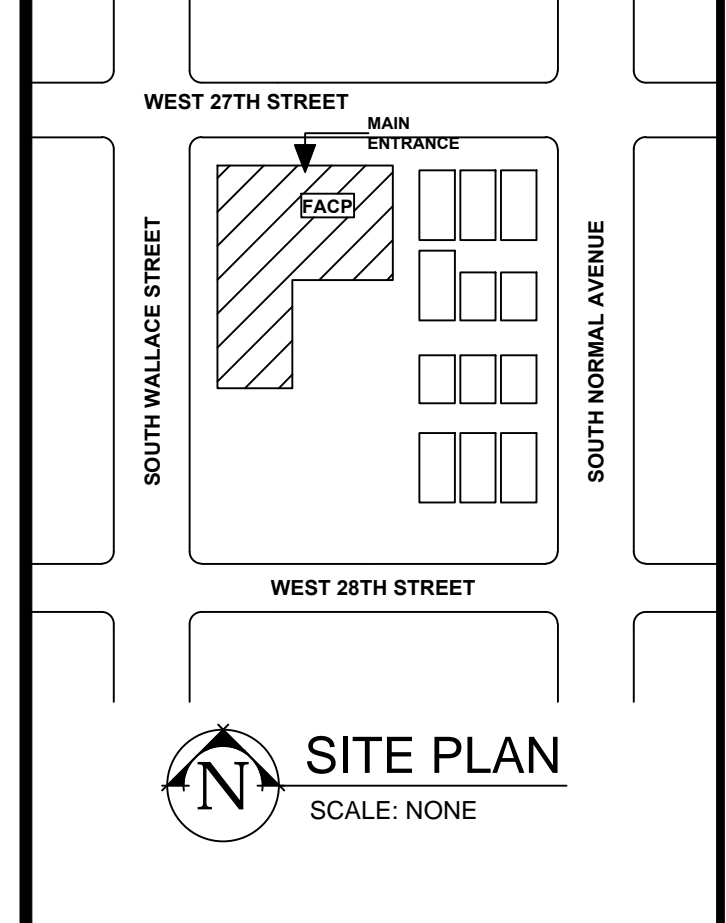
EQUIPMENT SUPPLIER
NOTIFIER
HRSS
 HIGH RISE SECURITY SYSTEMS, LLC
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A.P.# 100683504

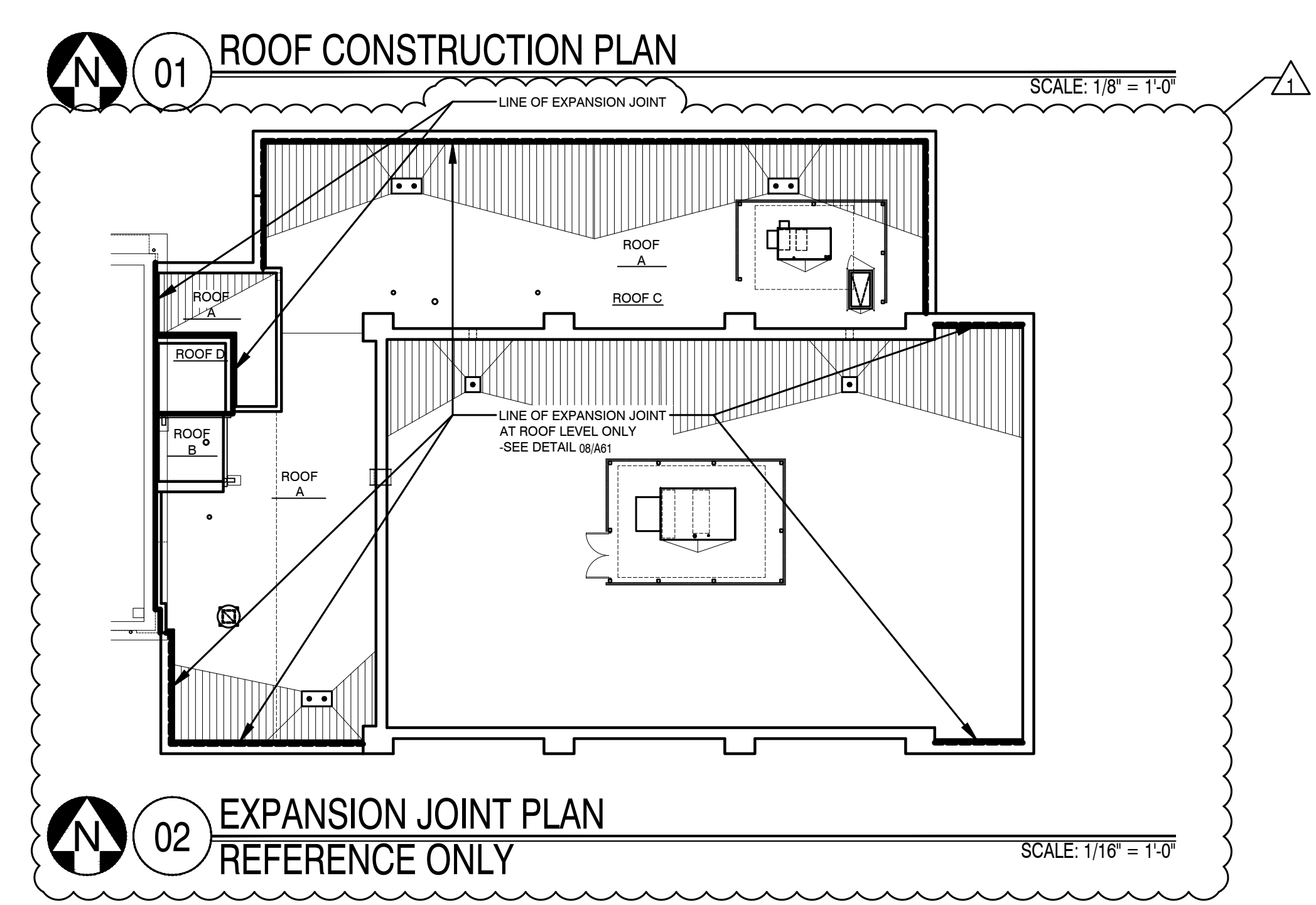
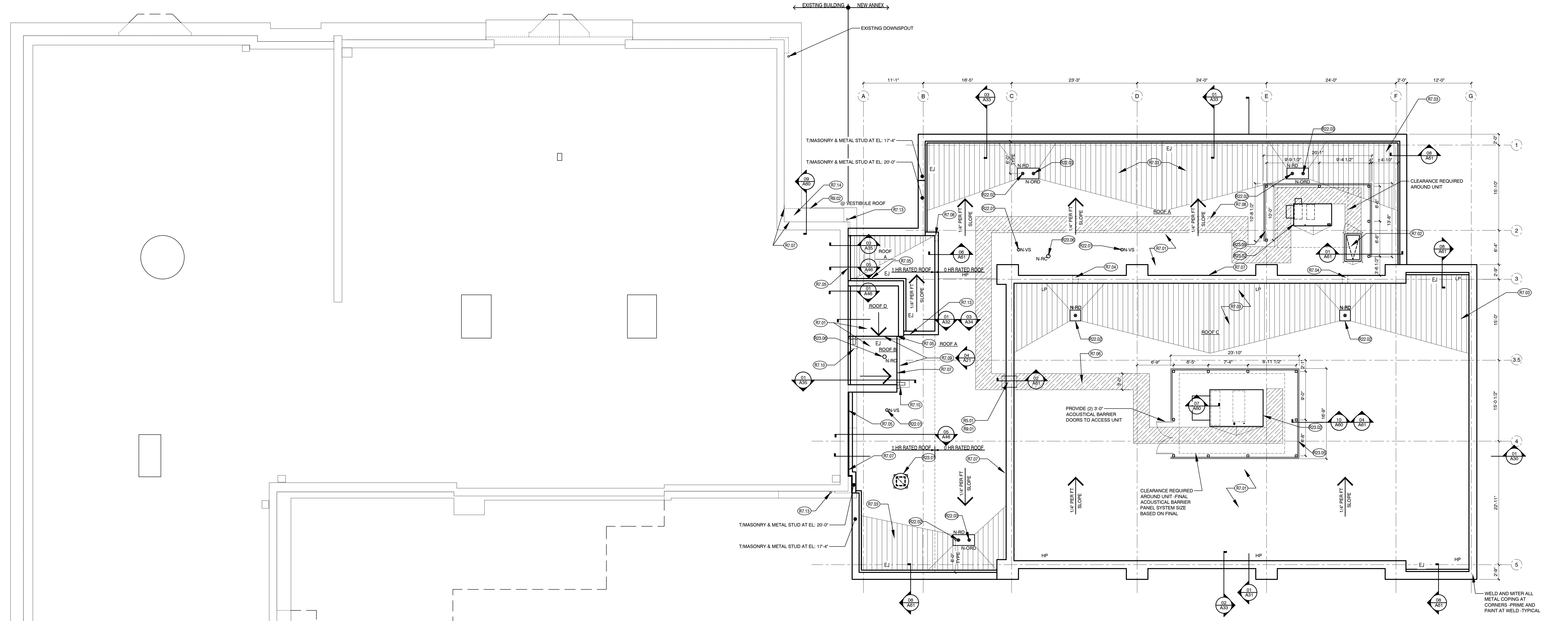
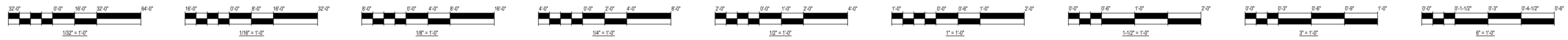
AS-BUILT DRAWING
 JANUARY 2017
 High Rise Security Systems, LLC



PROJECT ADDRESS:
SHERIDAN ELEMENTARY
 533 W. 27TH STREET
 CHICAGO, IL. 60616

SHEET TITLE:
**FIRE ALARM SYSTEM
 RISER & TYP. DEVICE
 WIRING DIAGRAMS**

DRAWN BY: CE	SCALE: NONE	APPROVED BY:
DATE: 11/28/16	REVISION: C	SHEET NUMBER: FA-07
JOB NUMBER: 3816		



- ROOF SCOPE OF WORK**
- RS-01 - NEW STEEL ACCESS LADDER MOUNTED ON NEW EXTERIOR WALL - SEE DETAIL 01A61
 - DIVISION 7 - THERMAL AND MOISTURE PROTECTION
 - R7-01 - NEW MODIFIED BITUMEN ROOFING SYSTEM FOR COMPLETE SYSTEM - SEE DETAIL 01A60
 - R7-02 - NEW ROOF HATCH 30x36\"/>
 - DIVISION 8 - FINISHES
 - R8-01 - PREPARE PRIME AND PAINT NEW LADDER AND LANDING WITH RUST INHIBITIVE PAINT
 - R8-02 - PRIME AND PAINT EXISTING CORNICE @ ROOF OF EXISTING VESTIBULE
 - DIVISION 22 - PLUMBING
 - R22-01 - NEW ROOF VENT STACK WITH LEAD FLASHING - SEE PLUMBING PLANS AND ROOF DETAILS ON 06A60
 - R22-02 - NEW ROOF DRAIN, STRAINER, COLLAR, AND ALL PERTAINING ACCESSORIES - SEE PLUMBING PLANS, AND ROOF DETAILS ON 06A60
 - R22-03 - PROVIDE OVERFLOW ROOF DRAIN WITH STRAINER, COLLAR, AND ALL PENETRATING ACCESSORIES - SEE PLUMBING PLANS AND ROOF DETAIL 06A60
 - DIVISION 23 - MECHANICAL
 - R23-01 - NEW MECHANICAL EXHAUST FAN ON PREFABRICATED CURBS MOUNTED TO METAL DECK - SEE MECHANICAL DRAWINGS
 - R23-02 - NEW AIR HANDLING UNIT TO BE INSTALLED ON PREFABRICATED CURBS MOUNTED TO METAL DECK - SEE MECHANICAL DRAWINGS, AND ROOF DETAIL - SEE 07A60
 - R23-03 - NOT USED

- R23-04 - NOT USED
 - R23-05 - NEW SOUND ATTENUATION MECHANICAL PANELS AROUND AIR HANDLING UNITS - SECURE TO STRUCTURE BELOW - SEE STRUCTURAL DRAWINGS AND DETAIL ON 04A61
 - R23-06 - NEW R ROOF CAP - SEE MECHANICAL DRAWINGS
- ROOF AND FINISH NOTES:**
1. ALL ROOF COVERINGS SHALL BE CLASS A, EFFECTIVE AGAINST SEVERE FIRE EXPOSURE PER CBC (715-8-340)
 2. PROVIDE ADDITIONAL ROOFING TRAFFIC BEARING SURFACE WALK, MIN. 30\"/>

- ROOF SYMBOLS LEGEND**
- NEW ROOF HATCH
 - NEW MECHANICAL EXHAUST FAN (SEE VARIES) (SEE MECHANICAL DRAWINGS)
 - NEW ROOF DRAIN AND SUMP PAN
 - ROOF SLOPE (SEE PLUMBING DRAWINGS)
 - VENT STACK (SEE MECHANICAL DRAWINGS)
 - HIGH POINT

ISSUANCE

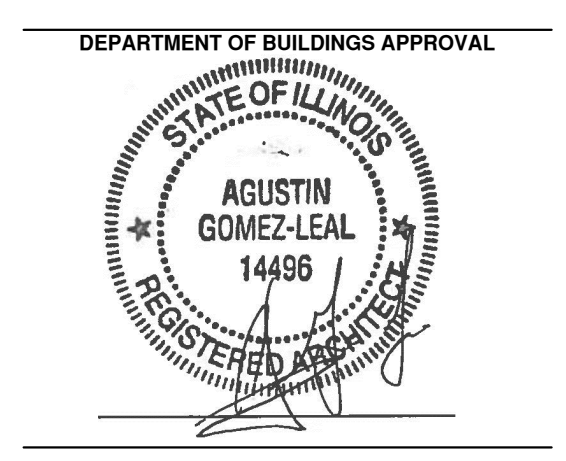
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8	----	----

SCALE: AS NOTED
PLOT DATE: 8/29/2017

PBC PROJECT NUMBER: #05075
WGA PROJECT NO.: 17001

TITLE:
ROOF CONSTRUCTION PLAN

SHEET **A04**



SHERIDAN ELEMENTARY SCHOOL ANNEX
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CHICAGO, IL 60616
CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR RAHM EMANUEL

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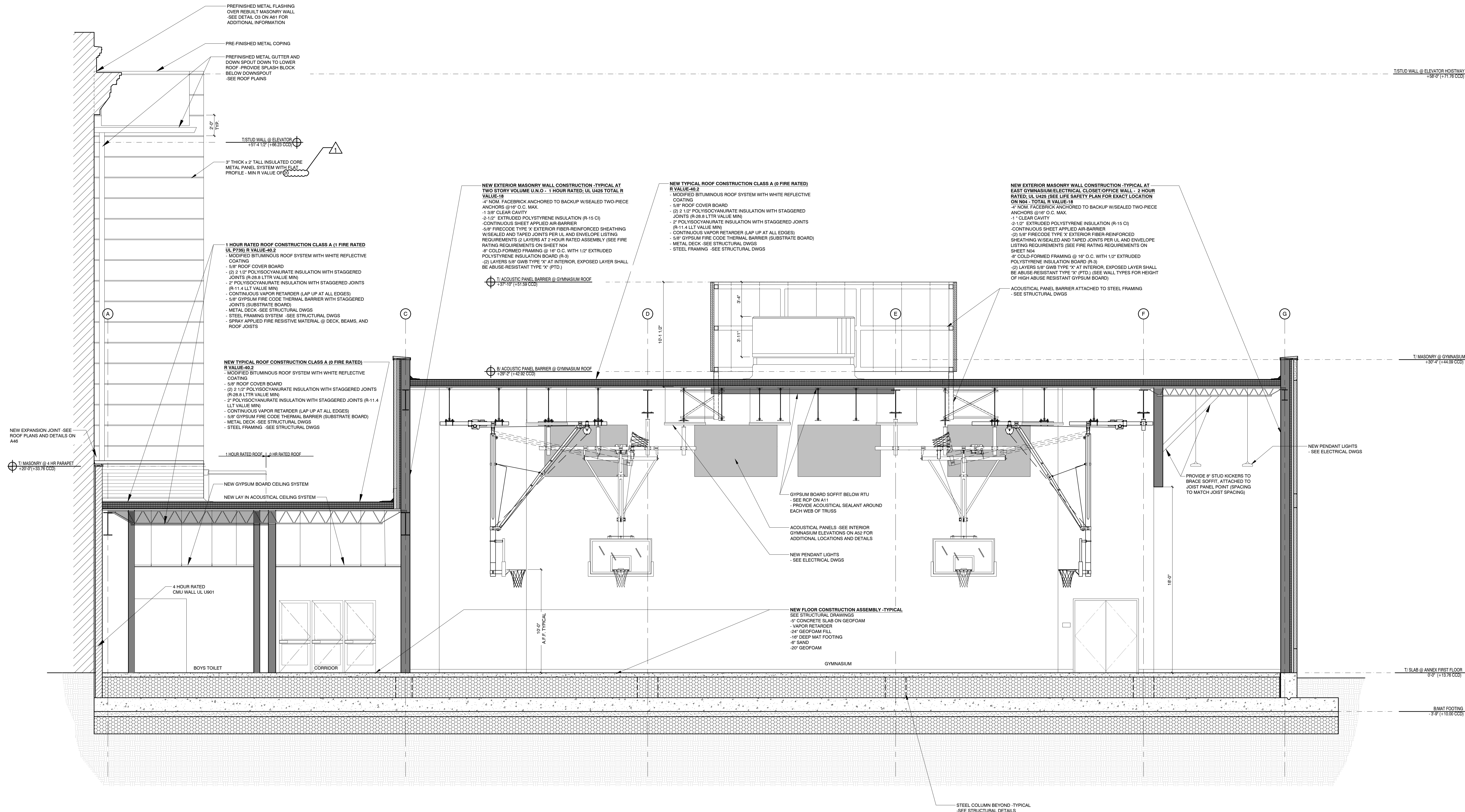
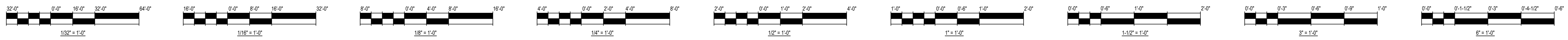
AGUSTIN GOMEZ-LEAL
REGISTERED ARCHITECT
001.014496
EXPIRATION DATE: NOVEMBER 30, 2018

Wallin + Gomez
ARCHITECTS LTD
711 South Dearborn Street, Suite 606
Chicago, Illinois 60605-1827
P: 312-427-4702 ■ F: 312-427-6611

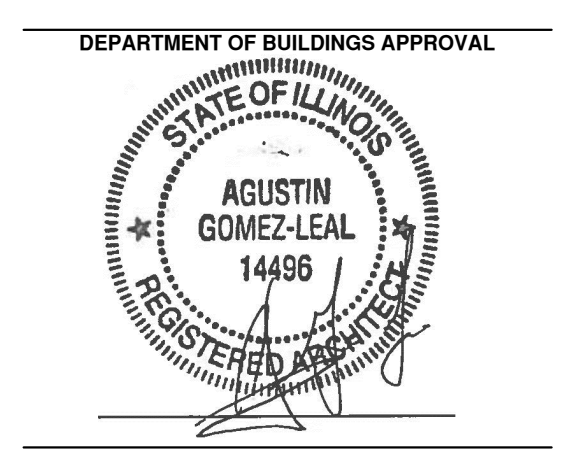
TERRA ENGINEERING, LTD.
Chicago, Illinois
Civil Engineer/Landscape Architect

LARSON ENGINEERING LTD.
Naperville, Illinois
Structural Engineer/MEP Engineers and LEED consultant

SHINER & ASSOCIATES, INC.
Chicago, IL
Acoustical Consultants



01 LONGITUDINAL SECTION SCALE: 1/4" = 1'-0"



SHERIDAN ELEMENTARY SCHOOL ANNEX
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 CHICAGO, IL 60616
 CHICAGO PUBLIC SCHOOLS
 CITY OF CHICAGO, MAYOR RAHM EMANUEL

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ILLINOIS AGUSTIN GOMEZ-LEAL REGISTERED ARCHITECT 001.014496 EXPIRATION DATE: NOVEMBER 30, 2018

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 Chicago, Illinois 60605-1827
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 Structural Engineer/MEP Engineers and LEED consultant

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 Chicago, IL
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ISSUANCE

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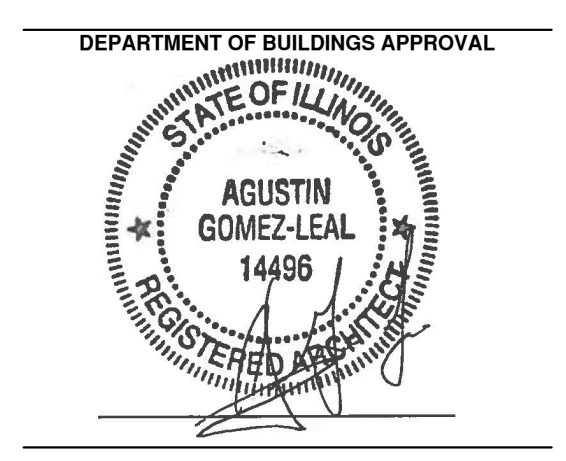
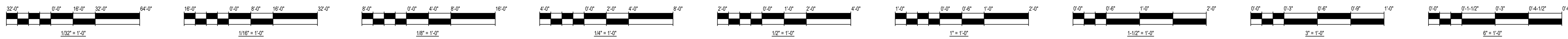
SCALE: AS NOTED
 PLOT DATE: 8/29/2017

PBC PROJECT NUMBER: #05075
 WGA PROJECT NO.: 17001

WARNING: ASBESTOS-CONTAINING BUILDING MATERIALS ARE OR MAY BE PRESENT IN THIS BUILDING. AN ASBESTOS MANAGEMENT PLAN IS AVAILABLE IN THE SCHOOL. FOR REVIEW ONLY. REQUEST NO PERSON MAY DISTURB ASBESTOS-CONTAINING MATERIALS UNLESS THAT PERSON IS A LICENSED ASBESTOS WORKER OR CONDUCTS SUCH WORK IN ACCORDANCE WITH SPECIFICATIONS CONTAINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH ILLINOIS DEPARTMENT OF HEALTH RULES AND REGULATIONS.

TITLE:
BUILDING SECTION - LONGITUDINAL

SHEET
A30



SHERIDAN ELEMENTARY SCHOOL ANNEX
 533 W. 27TH ST
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 CHICAGO PUBLIC SCHOOLS
 CITY OF CHICAGO, MAYOR RAHM EMANUEL

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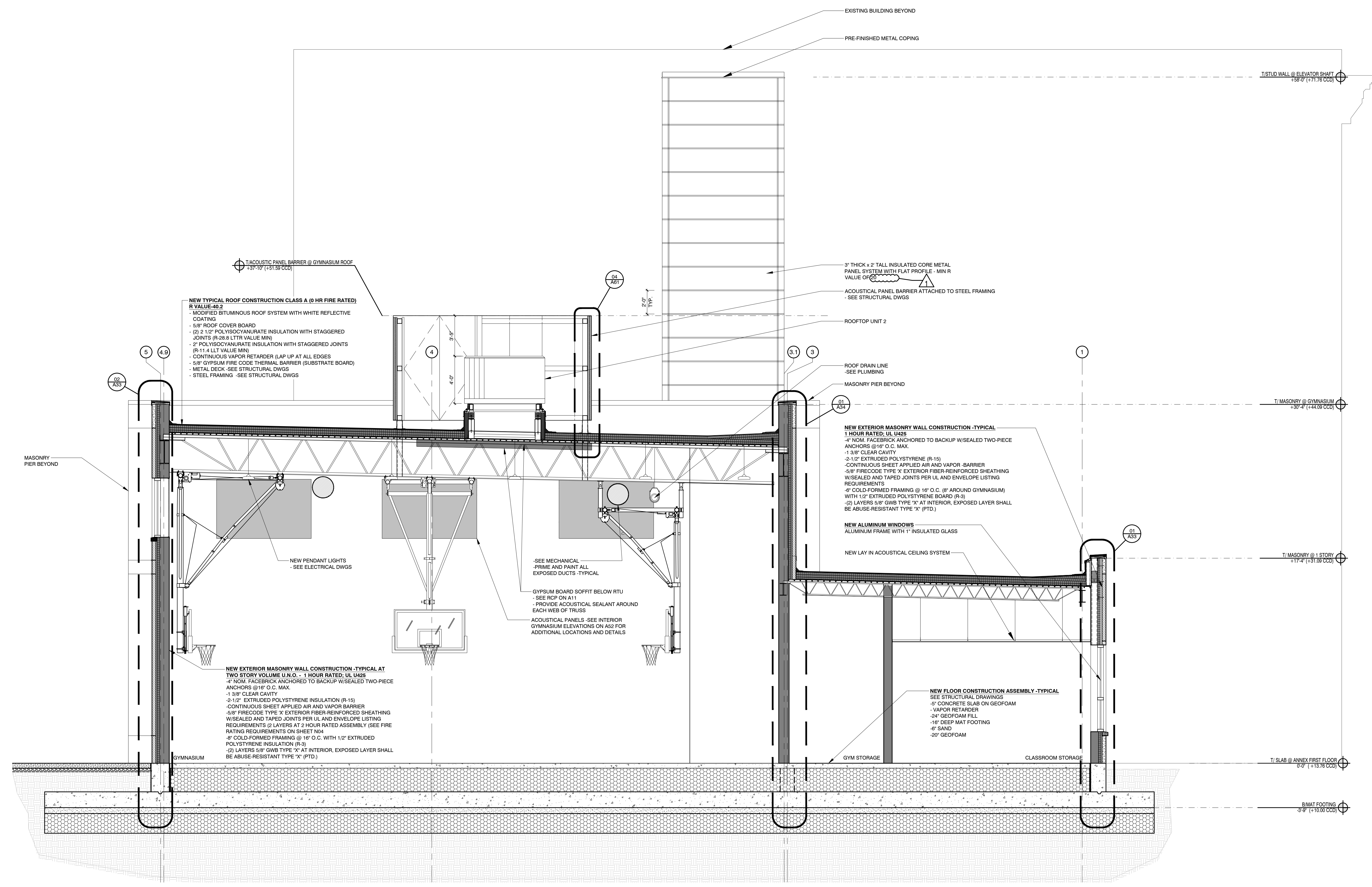
ILLINOIS
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 Chicago, IL
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01 TRANSVERSE SECTION
 SCALE: 1/4" = 1'-0"

ISSUANCE

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1	PERMIT SET	06-22-17
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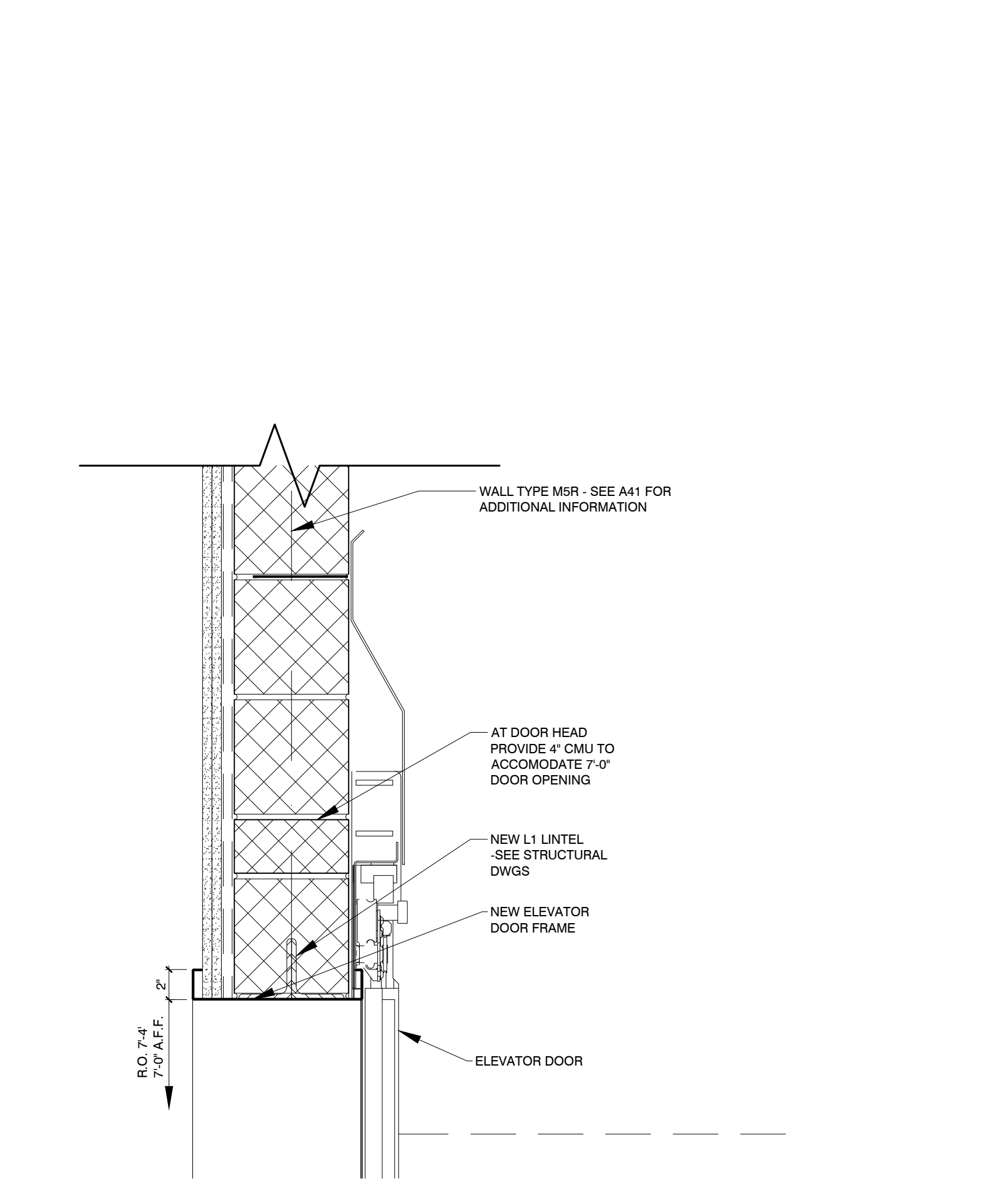
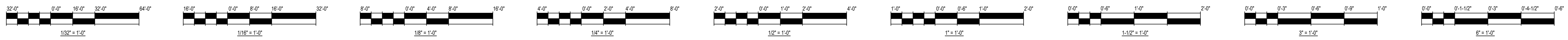
SCALE: AS NOTED
 PLOT DATE: 8/29/2017

PBC PROJECT NUMBER: #05075
 WGA PROJECT NO.: 17001

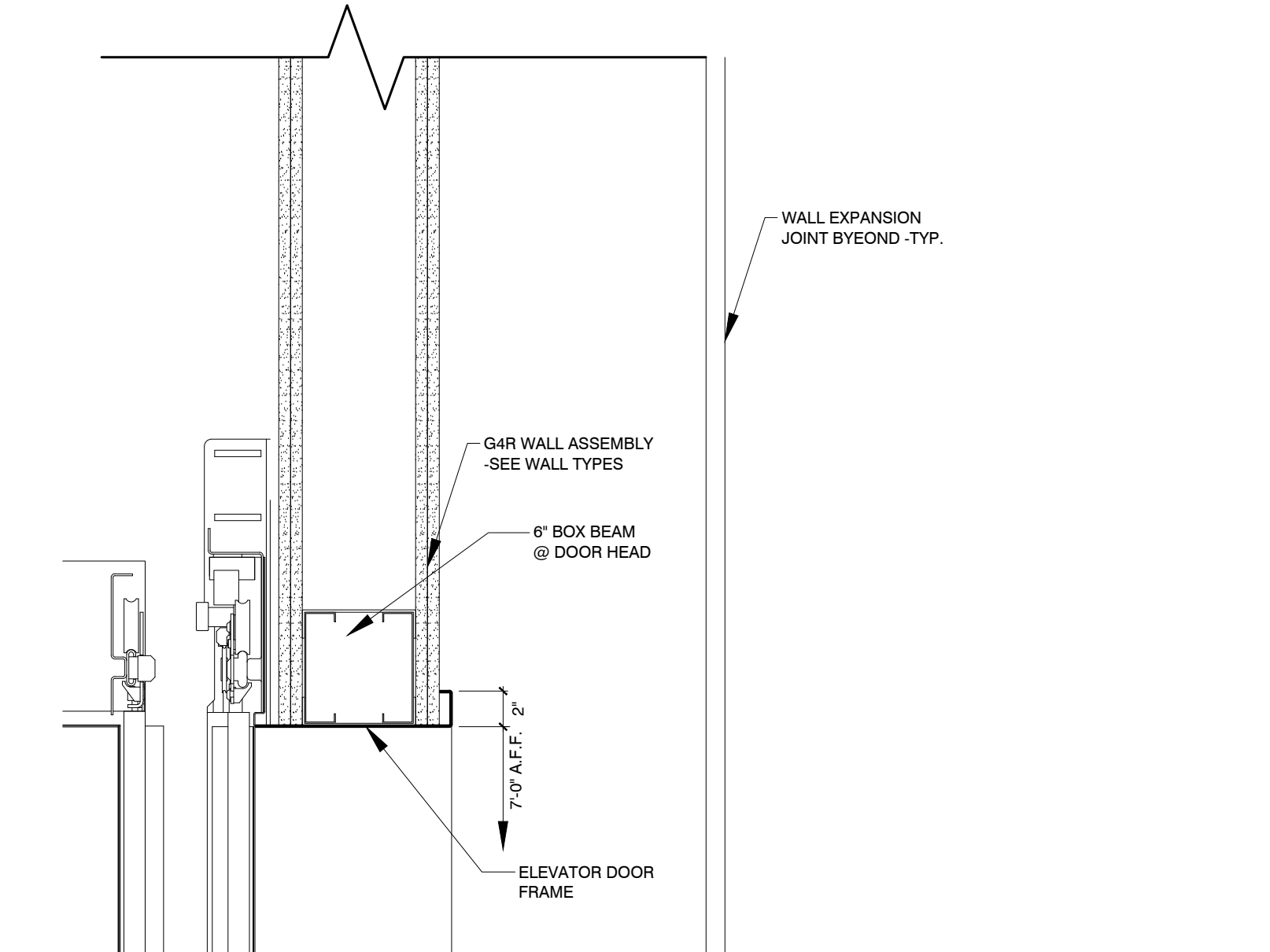
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TITLE:
BUILDING SECTION - TRANSVERSE

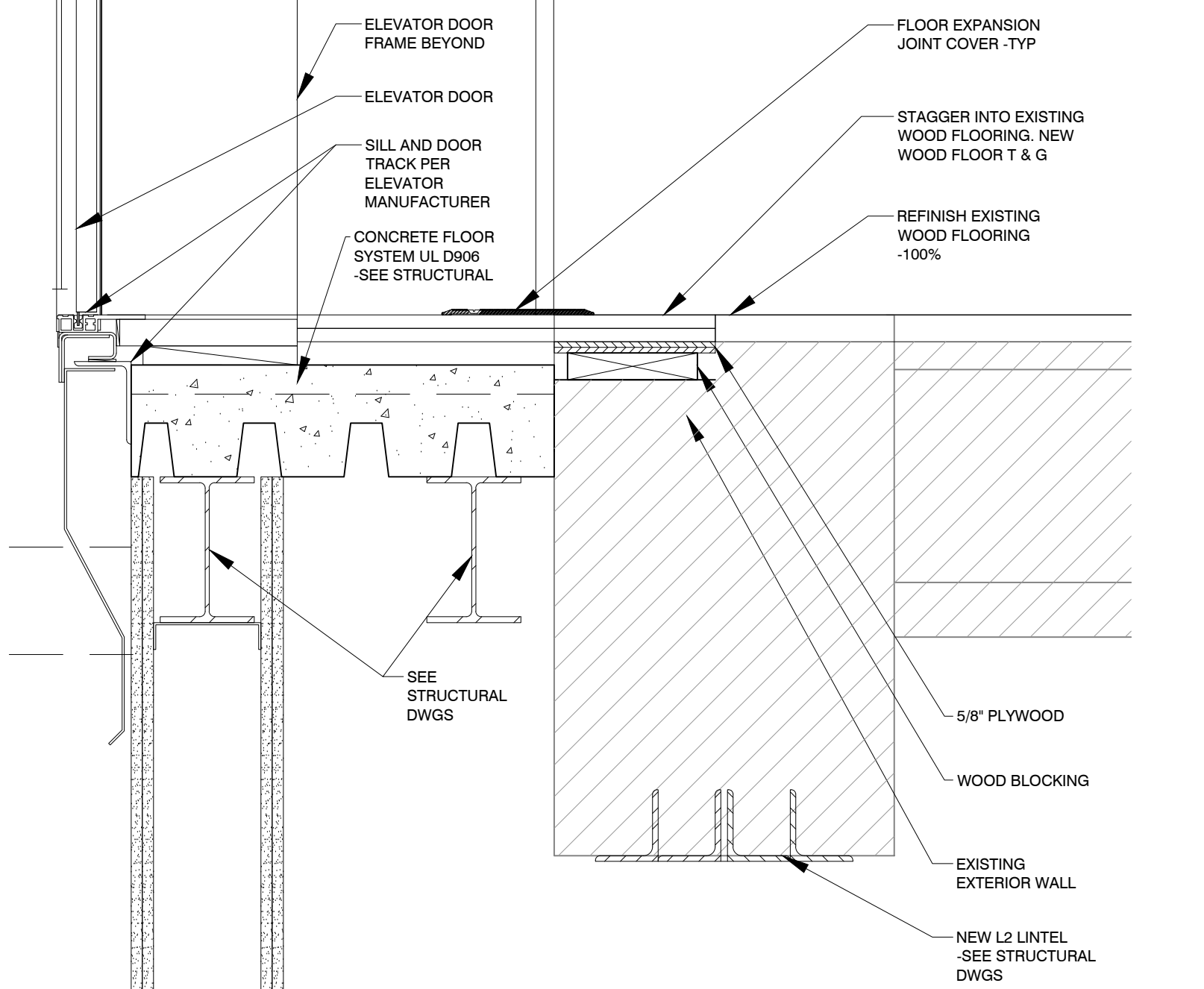
SHEET
A31



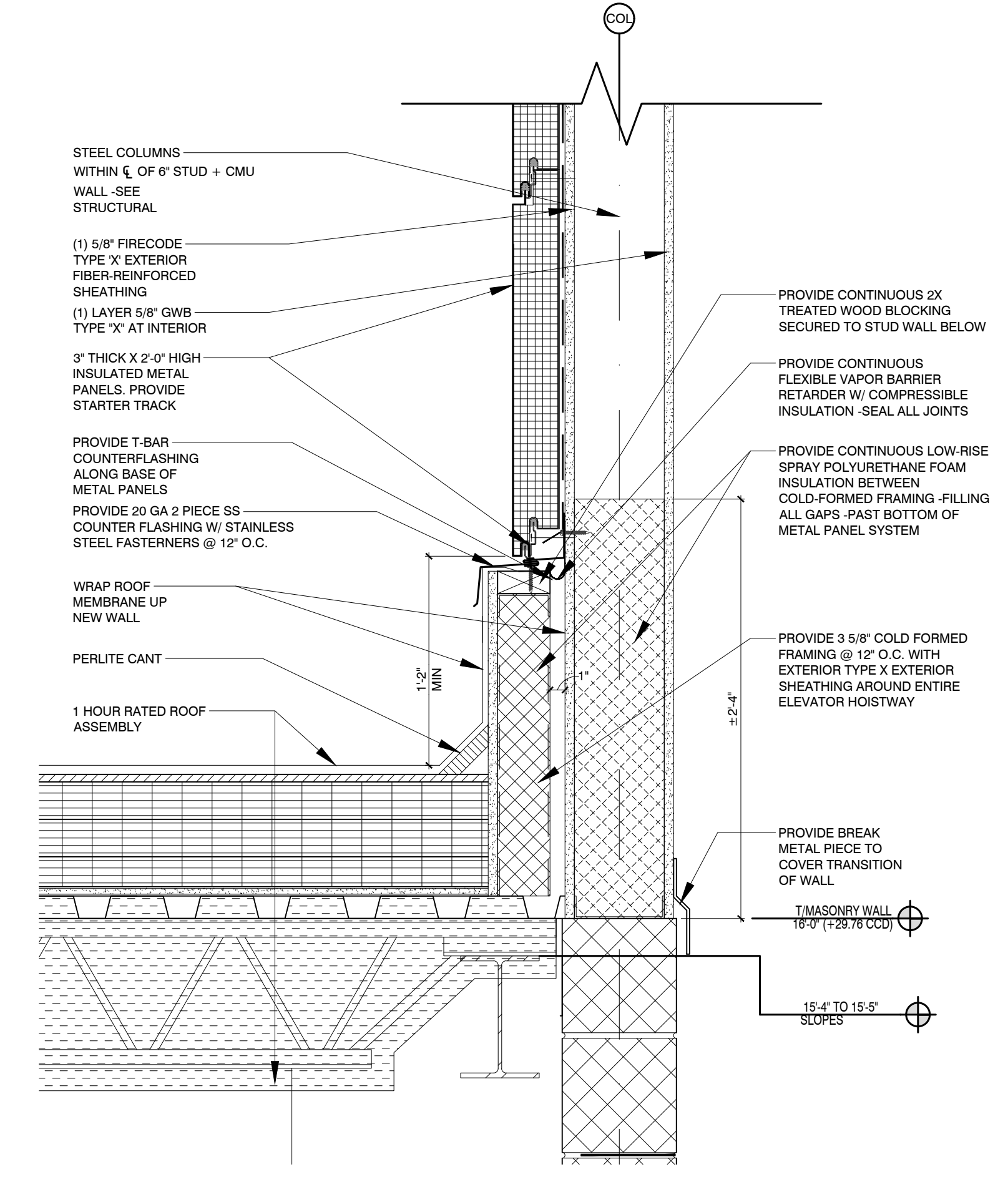
02 ELEVATOR DOOR HEAD @ CMU SCALE: 1 1/2\"/>



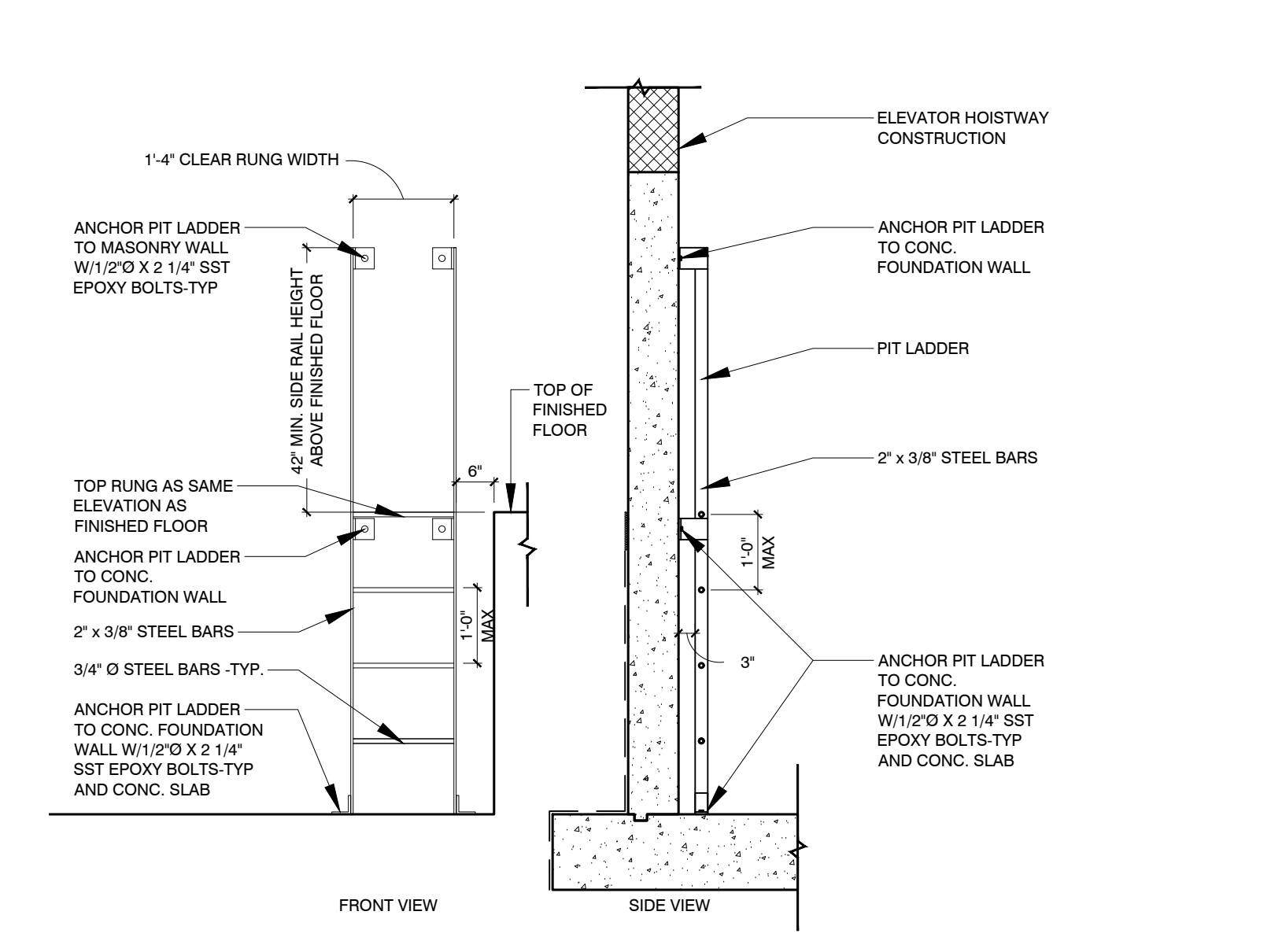
03 ELEVATOR DOOR HEAD DETAIL SCALE: 1 1/2\"/>



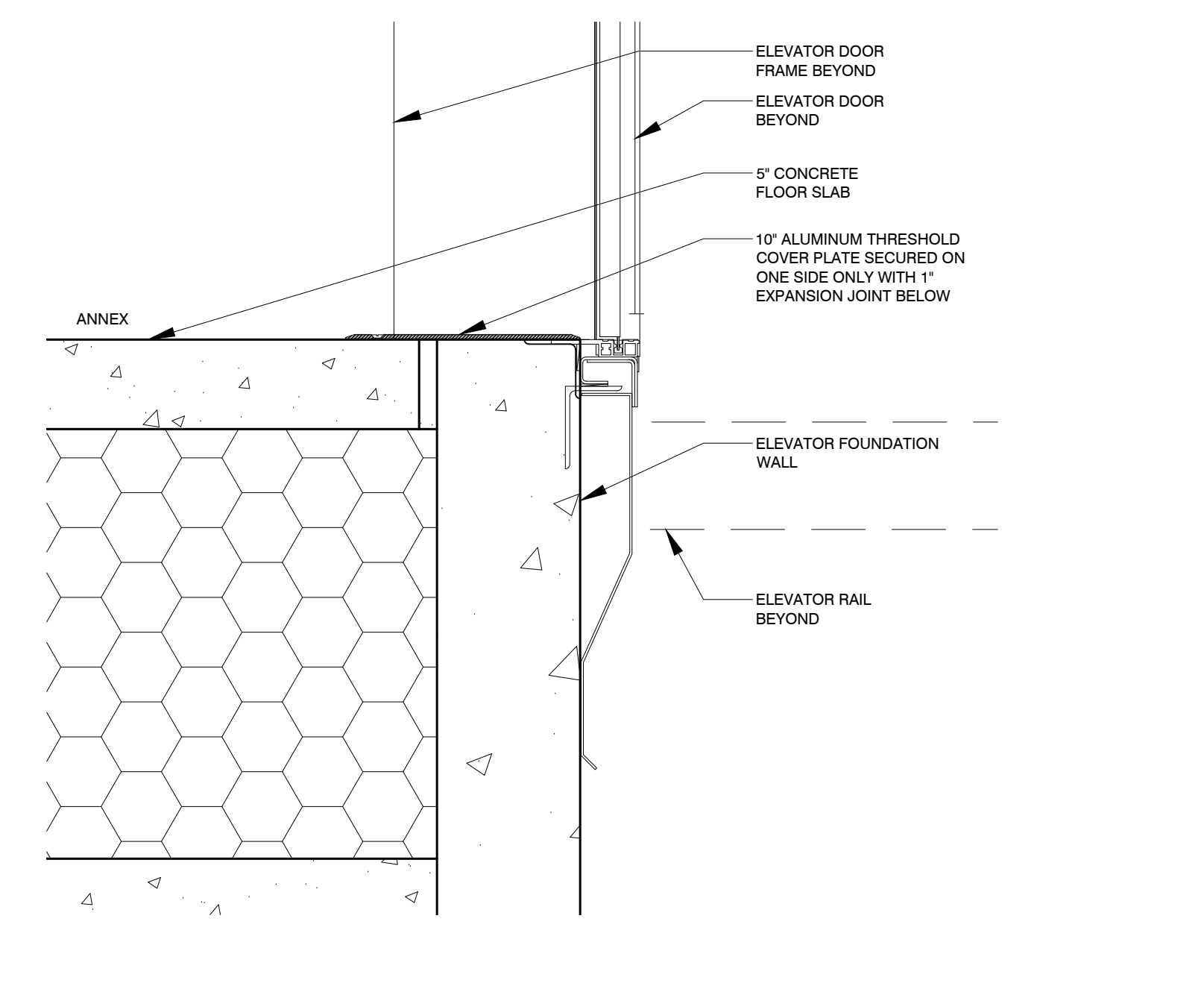
04 ELEVATOR DOOR SILL DETAIL SCALE: 1 1/2\"/>



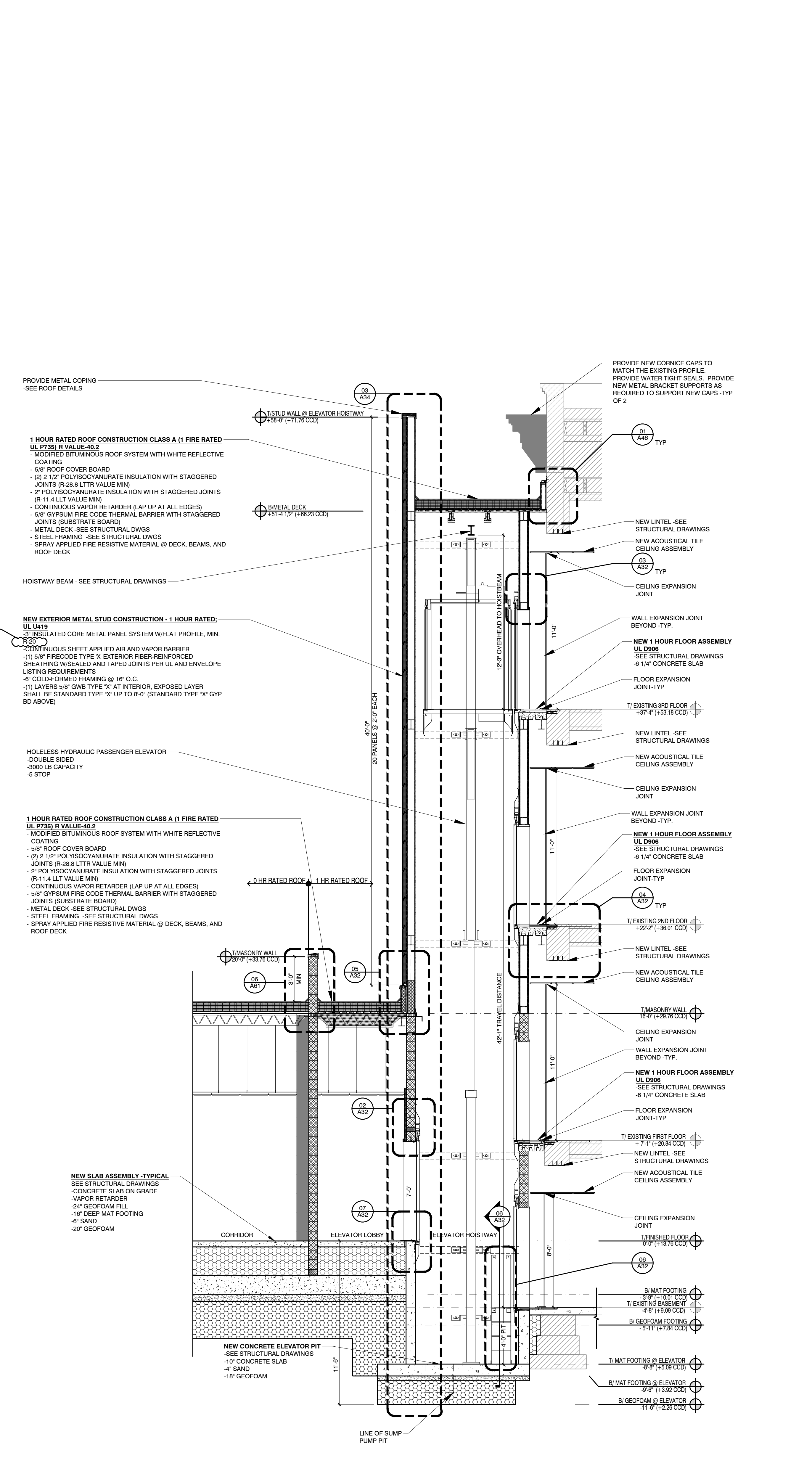
05 EXTERIOR HOISTWAY WALL DETAIL SCALE: 1 1/2\"/>



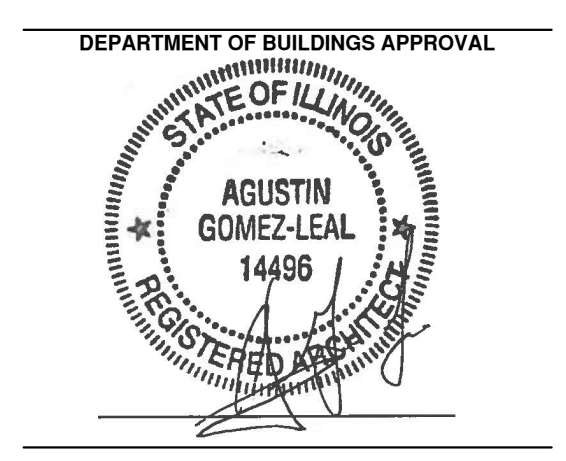
06 ELEVATOR PIT LADDER SCALE: 1/2\"/>



07 ELEVATOR ANNEX DOOR SILL DETAIL SCALE: 1 1/2\"/>



01 ELEVATOR SECTION SCALE: 1/4\"/>



SHERIDAN ELEMENTARY SCHOOL ANNEX
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 ILLINOIS AGUSTIN GOMEZ-LEAL REGISTERED ARCHITECT 001.014496 EXPIRATION DATE: NOVEMBER 30, 2018
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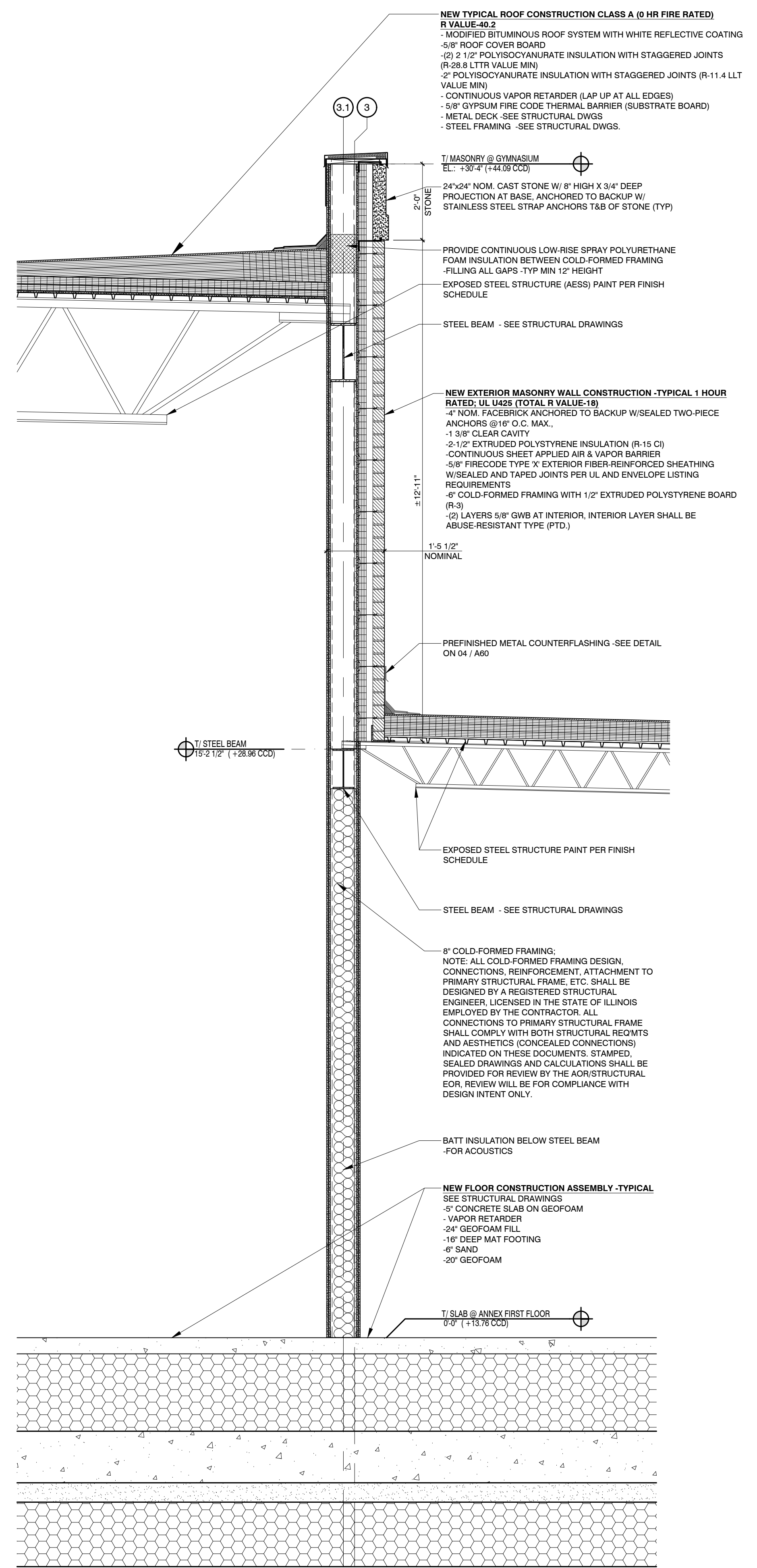
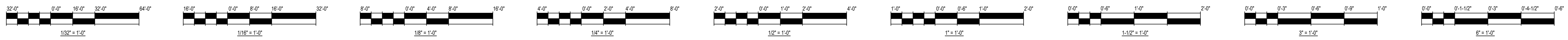
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 WGA PROJECT NO.: 17001

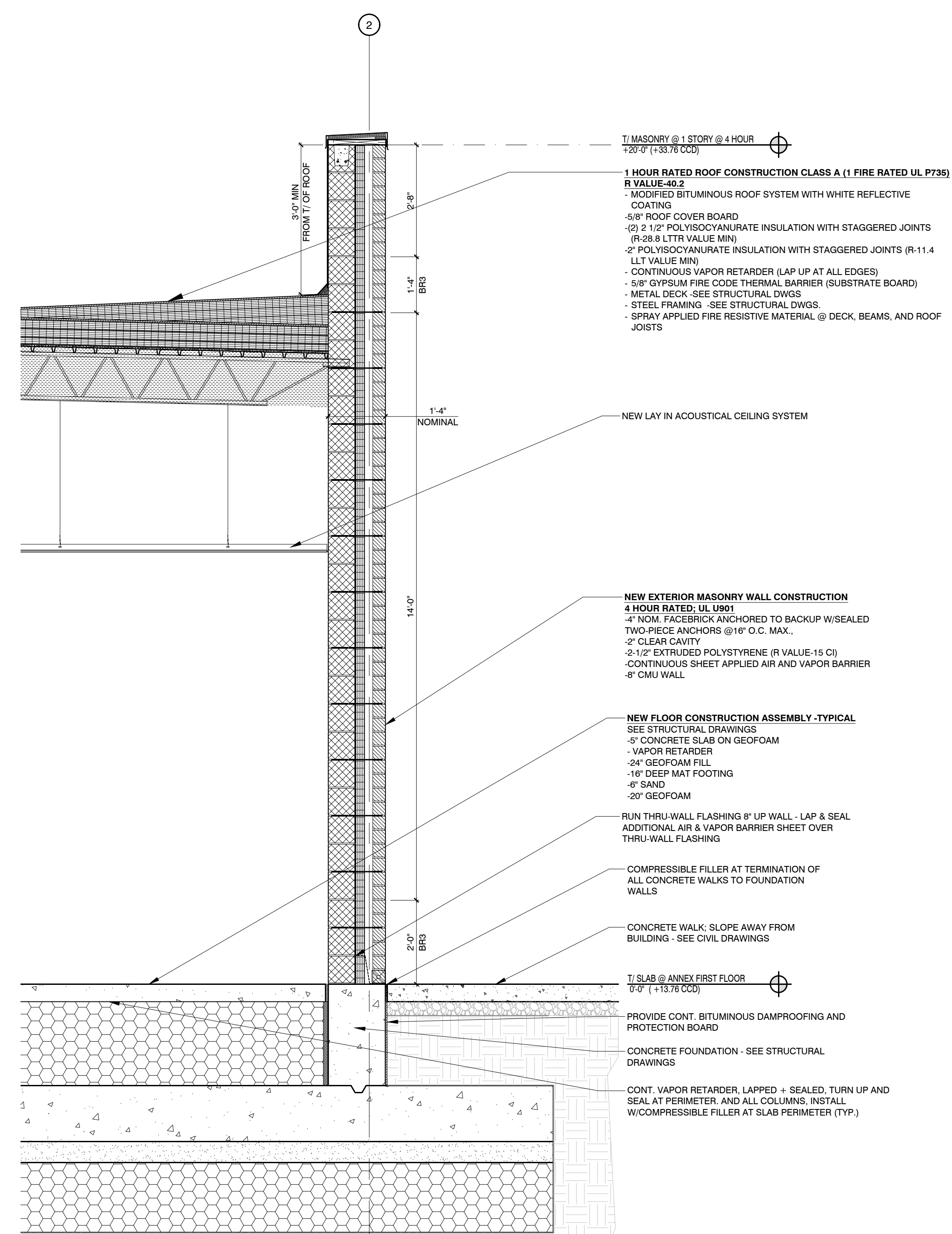
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TITLE:
ELEVATOR SECTION & ELEVATOR DETAILS



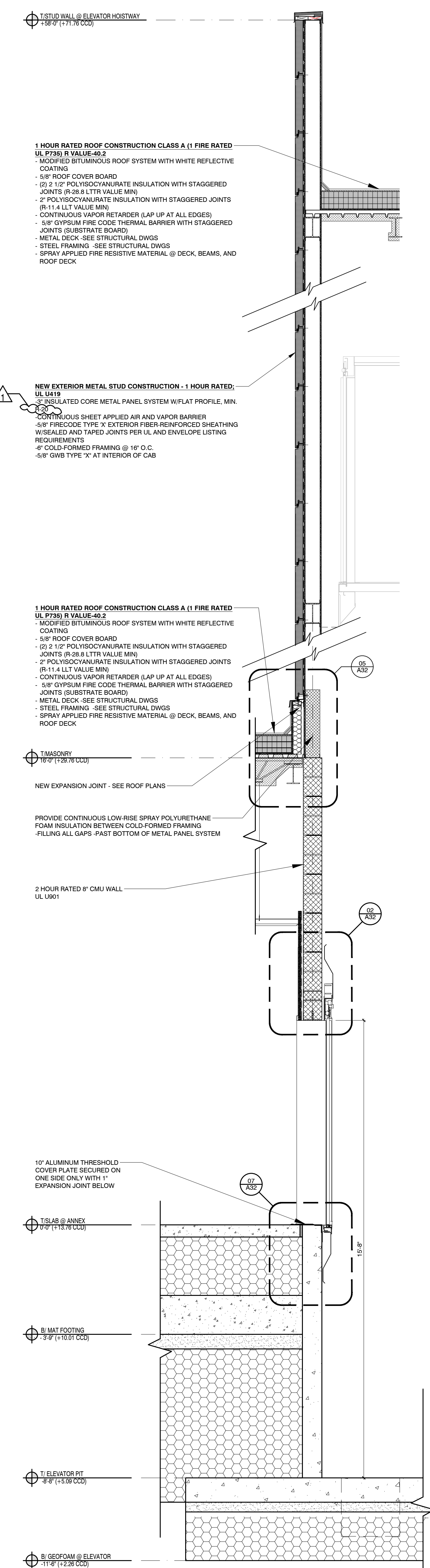
01 WALL SECTION

SCALE: 1/2" = 1'-0"



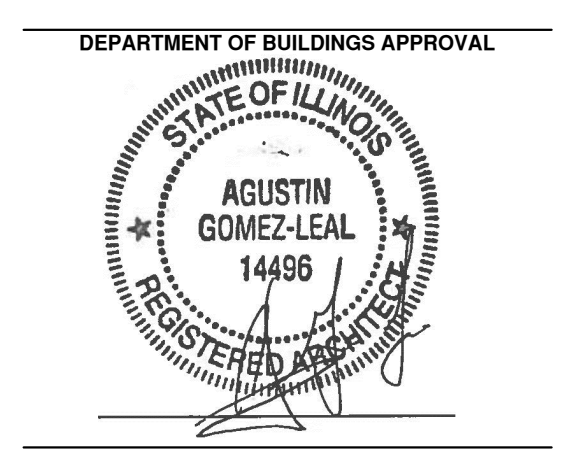
02 WALL SECTION

SCALE: 1/2" = 1'-0"



03 WALL SECTION

SCALE: 1/2" = 1'-0"



DEPARTMENT OF BUILDINGS APPROVAL

STATE OF ILLINOIS
AGUSTIN GOMEZ-LEAL
14496
REGISTERED ARCHITECT

CHICAGO PUBLIC SCHOOLS

533 W. 27TH ST
CHICAGO, IL 60616

CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR RAHM EMANUEL

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ILLINOIS
AGUSTIN GOMEZ-LEAL
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001.014496
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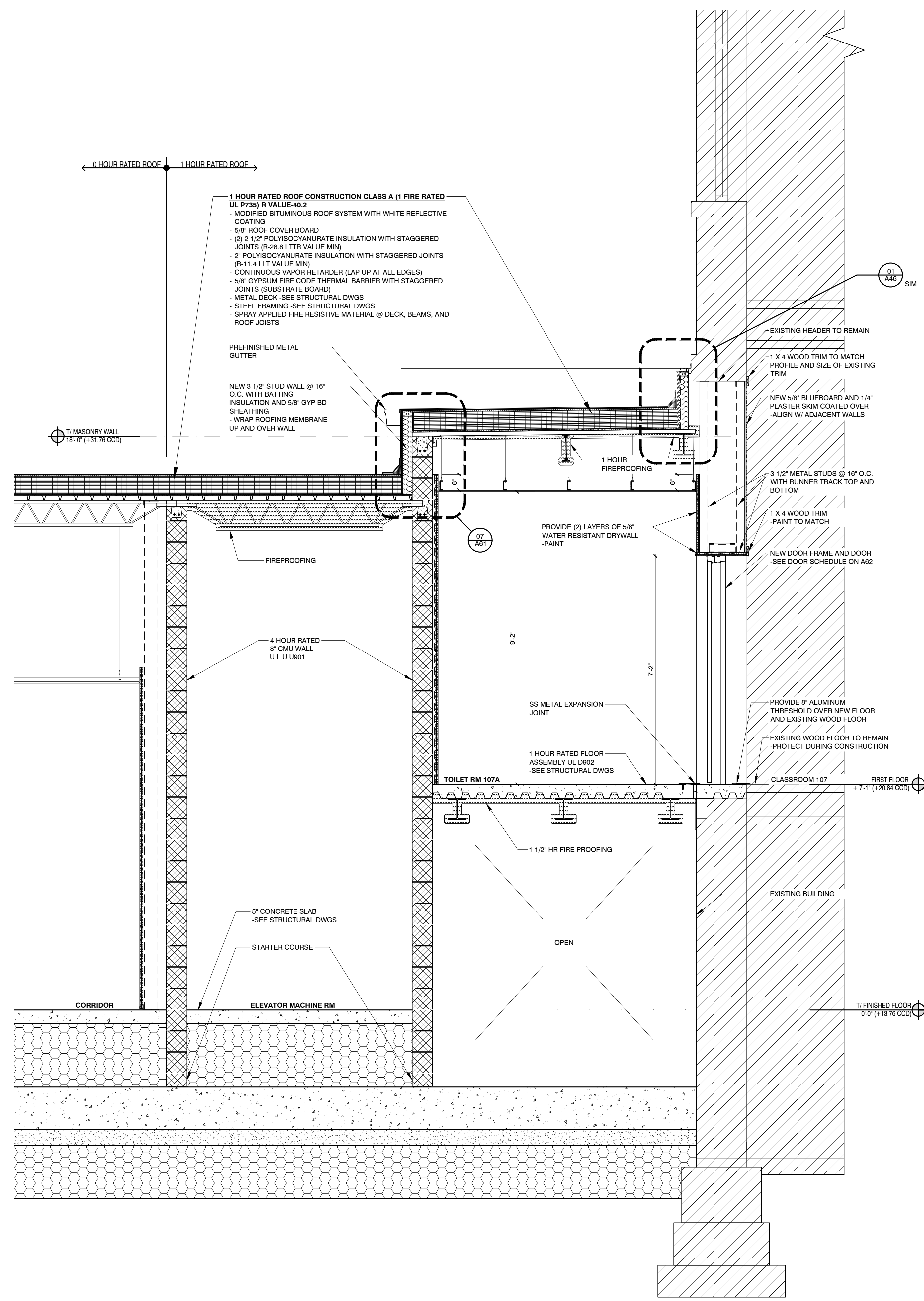
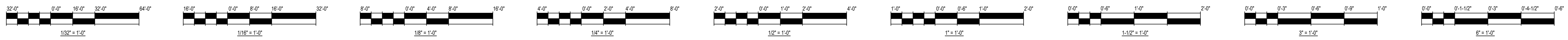
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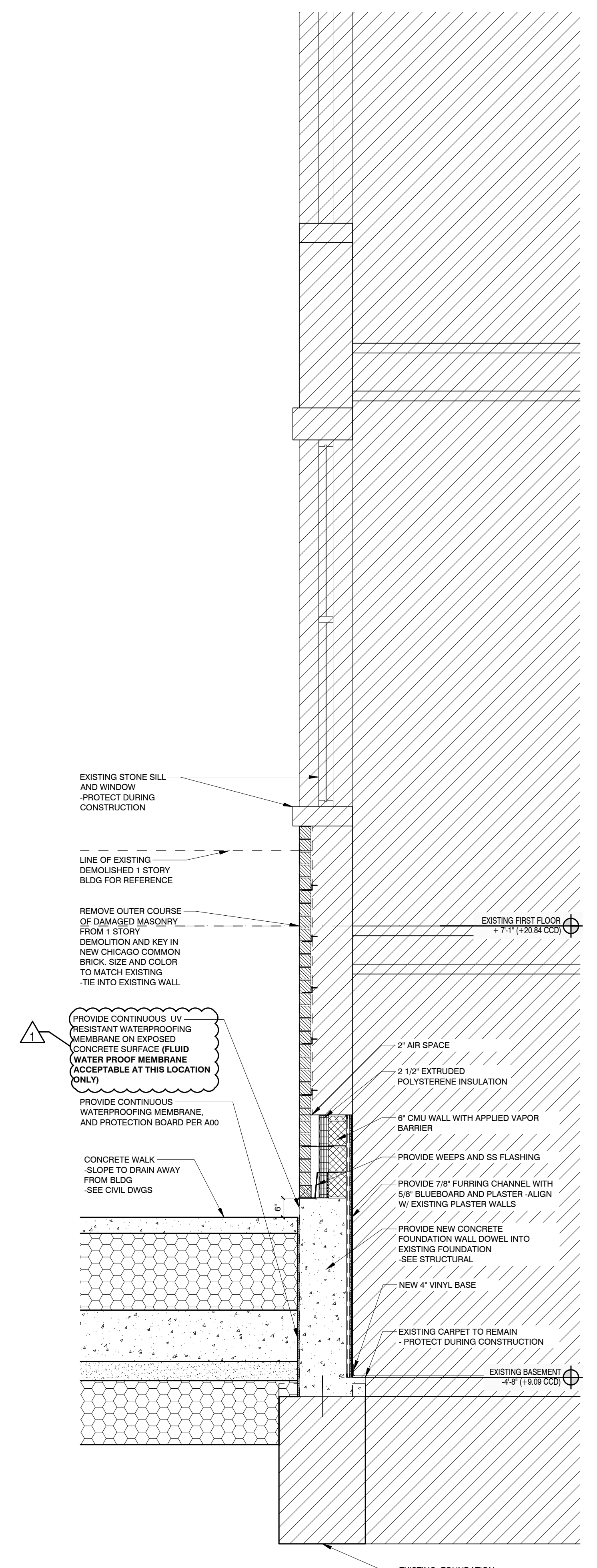
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TITLE:
WALL SECTIONS

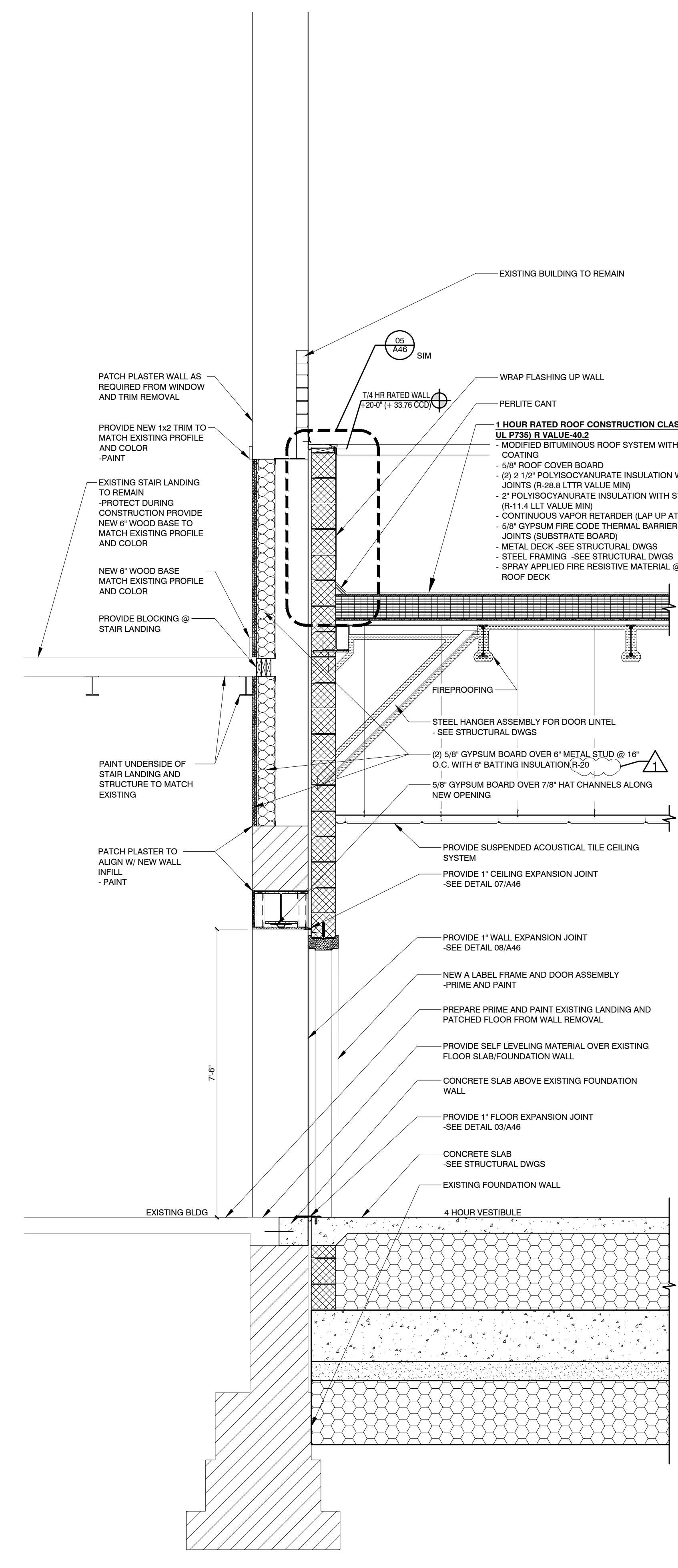
SHEET
A34



01 WALL SECTION
SCALE: 1/2" = 1'-0"



02 WALL SECTION
SCALE: 1/2" = 1'-0"



03 WALL SECTION
SCALE: 1/2" = 1'-0"

DEPARTMENT OF BUILDINGS APPROVAL



SHERIDAN ELEMENTARY SCHOOL ANNEX

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CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR RAHM EMANUEL

THESE DRAWINGS HAVE BEEN PREPARED AT AND/OR UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF CONFORM AND COMPLY WITH THE REQUIREMENTS OF THE CHICAGO DEPARTMENT OF BUILDING.

ILLINOIS AGUSTIN GOMEZ-LEAL REGISTERED ARCHITECT 001.014496 EXPIRATION DATE: NOVEMBER 30, 2018

Wallin & Gomez ARCHITECTS LTD
711 South Dearborn Street, Suite 606
Chicago, Illinois 60605-1827
P: 312-427-4702 F: 312-427-5611

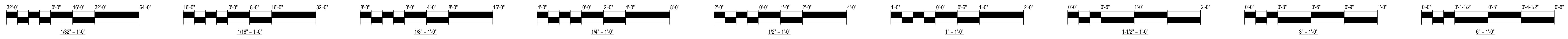
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SCALE: AS NOTED
PLOT DATE: 8/29/2017

WGA PROJECT NO.: 17001
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TITLE:
WALL SECTIONS AT ALONG EXISTING BUILDING

SHEET
A35



DOOR SCHEDULE REMARKS

- (A) EXISTING DOOR FRAME TO REMAIN AT ROOM SIDE - SEE /, /, & /
- (B) INSTALL NEW DOOR & FRAME AT CORRIDOR SIDE - SEE /, /, & /
- (C) ELECTROMAGNETIC HOLD OPENS - SEE ELECTRICAL
- (D) PROVIDE AND INSTALL WEATHER STRIPPING ON ALL SIDES
- (E) PROVIDE AND INSTALL ACOUSTICAL SOUND SEAL ON JAMB AND HEAD
- (F) PANIC DOOR HARDWARE
- (G) PROVIDE ONE INOPERABLE DOOR LEAF PINNED AT TOP AND BOTTOM
- (H) PROVIDE AND INSTALL KNURLED HARDWARE PER IAC AND ANS1 A117.132003
- (I) ELECTRIC STRIKE, TIE TO ALPHAONE
- (J) NOT USED
- (K) NOT USED
- (L) SPECIES AND FINISH OF WOOD DOORS TO MATCH EXISTING AT SCHOOL
- (M) INCLUDE ON SECONDARY DOOR STYLE STEEL LOCKING PIN AT TOP AND BOTTOM
- (N) PROVIDE POWER DOOR OPERATOR WITH ELECTRIC STRIKE CONNECTED TO A1 PHONE
- (O) PROVIDE 24\"/>

DOORFRAMES/HARDWARE GENERAL NOTES:

1. ALL REQUIRED FIRE RATED DOORS & ACCESSORIES TO COMPLY WITH CBC # 7 (15-12-09)
2. COORDINATE LOCKSET AND KEYS WITH SCHOOL ENGINEER/GENERAL CONTRACTOR TO PROVIDE SIGN OFF.
3. PROVIDE FRAME ANCHORS TO ACCOMMODATE PARTITION TYPES AND REQUIREMENTS FOR FIRE RATING.
4. AT GYPSUM BOARD PARTITIONS, SPOT GROUT FRAMES AT EACH JAMB ANCHOR. FULLY GROUT ALL EXTERIOR WALL FRAMES. INSULATE JAMB FRAMING.
5. AT ALL MASONRY PARTITIONS, SOLIDLY GROUT THE ENTIRE VOID IN THE HOLLOW METAL FRAME.
6. PROVIDE SEALANT AT JUNCTURE OF ALL FRAMES TO PARTITIONS AND FRAMES TO FLOOR W/ RATING AS REQD. AT NON-RATED ASSEMBLIES CAULK IN COLOR TO MATCH FRAME PAINT COLOR.
7. AT FRAMES ANCHORED TO MASONRY PROVIDE 3/8\"/>

DOOR SCHEDULE: EXISTING BUILDING

LOCATION	DOOR NUMBER	OPENING SIZE		DOOR				FRAME			DETAIL			LABEL	HARDWARE SET	STC	REMARKS
		W x H	THICKNESS	TYPE	MATERIAL	FINISH	GLAZING TYPE	TYPE	MATERIAL	FINISH	HEAD	JAMB	THRES-HOLD				
BASEMENT																	
CORRIDOR 00A	008	3'-0\"/>															

DOOR SCHEDULE: ANNEX

LOCATION	DOOR NUMBER	OPENING SIZE		DOOR				FRAME			DETAIL			LABEL	HARDWARE SET	STC	REMARKS
		W x H	THICKNESS	TYPE	MATERIAL	FINISH	GLAZING TYPE	TYPE	MATERIAL	FINISH	HEAD	JAMB	THRES-HOLD				
STEM CLASSROOM	120	3'-0\"/>															

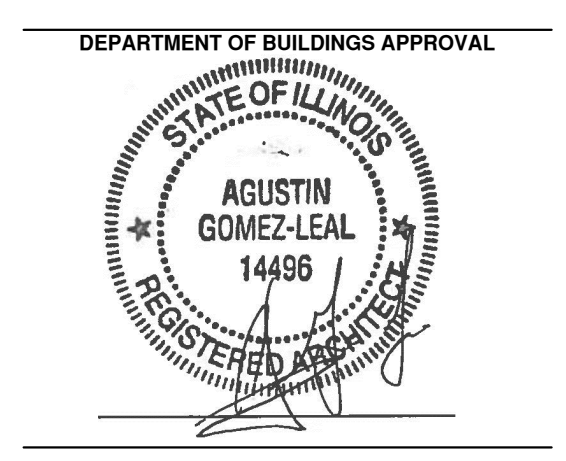
DOOR MAXIMUM FIRE-RATED GLASS SIZES		DOOR LABEL KEY	
WALL RATING - OPENING LABEL	GLASS QUANTITY	DOOR LABEL	HOUR
B: 2-HR / B 1 1/2	100 SQ. IN. FIRE RATED GLAZING	B	1 1/2 HOUR
C: 1-HR / C 3/4	1246 SQ. IN. FIRE RATED GLAZING	C	3/4 HOUR

GLAZING LEGEND

G-1	1/4\"/>
G-2	5/16\"/>
G-3	LAMINATED INSULATED EXTERIOR GLASS ASSEMBLY - SEE 08.00 GLAZING.

ABBREVIATIONS

AL	ALUMINUM	SPGL	SPANDREL GLAZING, SEE ELEVATIONS
AKOD	ANODIZED	WD	WOOD
HC	HOLLOW CORE WOOD	WW	WINDOW WALL, SEE ELEVATIONS
HM	HOLLOW METAL	N	NO
GLV	GALVANIZED STEEL	Y	YES
PT	PAINT	NR	NOT REQUIRED
SS	STAINLESS STEEL	NA	NOT APPLICABLE
ST	STEEL		



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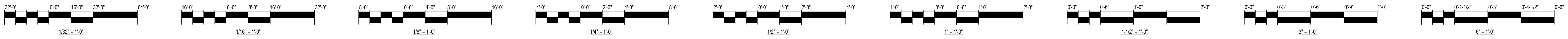
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 WGA PROJECT NO.: 17001

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TITLE:
DOOR SCHEDULE



ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR		BASE		WALLS		CEILING			REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
EXISTING BLDG											
00B	ELEVATOR CORRIDOR	VCT	VCT-1	VB	VB-2	GYP BD	PT-5*	ACT	ACT-4	8'-0"	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
007	CLASSROOM	EXIST/CPT	EXIST/CPT*	VB	VB-2	EXIST.	PT-5*	EXIST.	EXIST.	EXIST.	*NEW VCT AT DEMOLISHED FLOOR AREA. PROTECT EXISTING. SEE PLANS.
008	COMPUTER CLASSROOM	EXIST	EXIST	VB	VB-2	EXIST/GYP BD	PT-5*	EXIST.	EXIST.	EXIST.	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
01B	ELEVATOR CORRIDOR	WD	WD-1	VB	VB-2	GYP BD	PT-5*	ACT	ACT-4	11'-0"	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
01C	ELEVATOR VESTIBULE	WD	WD-1	VB	VB-2	GYP BD	PT-5*	ACT	ACT-4	11'-0"	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
02B	ELEVATOR CORRIDOR	WD	WD-1	VB	VB-2	GYP BD	PT-5*	ACT	ACT-4	11'-0"	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
02C	ELEVATOR VESTIBULE	WD	WD-1	VB	VB-2	GYP BD	PT-5*	ACT	ACT-4	11'-0"	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
03B	ELEVATOR CORRIDOR	WD	WD-1	VB	VB-2	GYP BD	PT-5*	ACT	ACT-4	11'-0"	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
03C	ELEVATOR VESTIBULE	WD	WD-1	VB	VB-2	GYP BD	PT-5*	ACT	ACT-4	11'-0"	*PT-5 MATCH EXISTING MAIN CORRIDOR COLOR
NEW ANNEX											
01A	CORRIDOR	VCT	VCT-1,2,3	VB/CB	VB-1/CB-1	GYP BD	PT-5*	ACT	ACT-4	10'-3"	
107A	KINDER TOILET	CT	CT-1	CB	CB-1	GYP BD	PT-1	GYP BD	PT-1	9'-2"	
120	STEM CLASSROOM	VCT	VT-1,2,3	VB	VB-1	GYP BD	PT-1,2	ACT	ACT-1*	10'-3"	*WITH 5/2 SS PANEL W/ OVER HEAD POWER REELS
120A	CLASSROOM STORAGE	VCT	VT-1,2,3	VB	VB-1	GYP BD	PT-1	ACT	ACT-4	10'-3"	
121	4 HOUR RATED VESTIBULE	VCT	VCT-1	VB	VB-1	GYP BD	PT-1	ACT	ACT-4	10'-3"	
121A	NORTH VESTIBULE	VCT	VCT-1,2,3	VB	VB-1	GYP BD	PT-9	ACT	ACT-4	10'-3"	
121B	SOUTH VESTIBULE	VCT	VCT-1,2,3	VB	VB-1	GYP BD	PT-9	ACT	ACT-4	10'-3"	
122	GYMNASIUM	RF	RF-1,2	VB	VB-1	GYP BD	PT-1,4,7*	EXPOSED	PT-3, PT-7*	VARIABLES	*PT-7 LOCATED IN THE AREA BETWEEN THE OFFICE AND ELECTRICAL ROOM. SEE ELEVATIONS
122A	GYM STORAGE	CONCRETE	TC-1	VB	VB-1	GYP BD	PT-1	EXPOSED	PT-3	VARIABLES	
122C	ELECTRICAL	CONCRETE	TC-1	VB	VB-1	GYP BD	PT-1	EXPOSED	PT-3	VARIABLES	
122D	OFFICE	VCT	VCT-1	VB	VB-1	GYP BD	PT-3	ACT	ACT-1	10'-3"	
122E	CORRIDOR	VCT	VCT-1,2,3	VB	VB-1	GYP BD	PT-1	EXPOSED	PT-3	VARIABLES	
123	ELEVATOR MACHINE RM	CONCRETE	TC-1	VB	VB-1	CMU	PT-1	EXPOSED	PT-1	VARIABLES	
124	ELEVATOR LOBBY	VCT	VCT-1,2,3	VB	VB-1	GYP BD	PT-1	ACT	ACT-4	10'-3"	
125	UNISEX TOILET	CT	CT-1	CB	CB-1	CT	CT-2,4/ PT-1	GYP BD	PT-3	10'-3"	
126	BOYS ROOM	CT	CT-1	CB	CB-1	CT	CT-2,4/ PT-1	GYP BD	PT-3	10'-3"	
127	GIRLS ROOM	CT	CT-1	CB	CB-1	CT	CT-2,3/ PT-1	GYP BD	PT-3	10'-3"	
128A	MECHANICAL/WATER HEATER ROOM	CONCRETE	TC-1	VB	VB-1	GYP BD	PT-1	EXPOSED	PT-3	VARIABLES	
128B	FIRE PUMP ROOM	CONCRETE	TC-1	VB	VB-1	GYP BD	PT-1	EXPOSED	PT-3	VARIABLES	

COLOR SCHEDULE

(COLORS AND COMPANIES LISTED ARE BASIS OF DESIGN-SEE SPECIFICATIONS FOR COMPLETE LIST. ANY SELECTIONS OUTSIDE OF LIST BELOW MUST BE APPROVED BY ARCHITECT)

VINYL BASE LEGEND VB-1 JOHNSCONITE 18 NAVY BLUE VB-2 JOHNSCONITE 47 BROWN STRAIGHT	ACOUSTICAL WALL PANEL FABRIC AP-1 GULFORD OF MAINE #153 BALTIC
VINYL COMPOSITION TILE (VCT) LEGEND VCT-1 ARMSTRONG 51800 BUTTER CREAM VCT-2 ARMSTRONG 51876 MINT CREAM VCT-3 ARMSTRONG 51916 DUTCH DELFT	CONCRETE FLOORING LEGEND TC-1 TRAFFIC COATING- TREMCO VULKEM 351 GRAY
WALL PADDING WP-1 DRAPER #10 DARK BLUE	BRICK LEGEND (SEE A20-A21 FOR LOCATIONS) BR-1 UTILITY BRICK - YANKEE HILL MEDIUM RED SMOOTH BRICK BR-2 UTILITY BRICK - ENDCOTT DARK IRONSPOT SMOOTH BRICK BR-3 UTILITY BRICK - GLEN OYSTER GREY (559) BRICK - WITH WIRE CUT TEXTURE
CERAMIC TILE BASE LEGEND CB-1 COVE BASE TO MATCH CT-1 CB-2 4"x4" COVED BASE WITH BULLNOSE TOP TO MATCH CT-1	CAST STONE LEGEND (SEE A20-A21 FOR LOCATIONS) CS-1 18"x18"x4" ACCUCAST PRODUCTS "GRAY" OR APPROVED EQUAL *FOR STONE SILLS, STONE HEAD, SEE WINDOW DETAILS
CERAMIC TILE LEGEND CT-1 2"x2" FLOOR TILE - DALTILE MARBLE D325 CT-2 4"x4" WALL TILE - DALTILE WATERFALL C189 CT-3 4"x4" WALL TILE - DALTILE KEYLIME Q296 CT-4 4"x4" WALL TILE - DALTILE ICE GREY 0182 GROUT: PROVIDE COLOR PALETTE TO ACR	CEILING TILE LEGEND ACT-1 TYPE 3, FORM 1 OR 2, PATTERN E, HIGH MFC PANELS 2'x2', COLOR WHITE FISSURED TEXTURE, SEE SHEETS A10-A11 (CLASSROOM AND ENCLOSED OFFICES) ACT-4 TYPE 3, FORM 1 OR 2, PATTERN C.D.E., PANELS 2'x2', COLOR WHITE FISSURED TEXTURE, SEE SHEETS A10-A11 (CORRIDORS, SERVICE HALLWAYS, STORAGE ROOMS)
WOOD FLOOR LEGEND WD-1 TO MATCH EXISTING	TOILET PARTITION LEGEND TP-1 SOLID HDPE PLASTIC - ACCURATE PARTITIONS CORP. CHARCOAL # 9237
RUBBER SHEET ATHLETIC FLOORING RF-1 MONDO RAMFLEX 0220 DARK MAPLE RF-2 MONDO RAMFLEX 0286 MARINE BLUE	WINDOW COVERING LEGEND WC-1 STYLE: CLASSROOM SHADES COLOR TO BE SELECTED FROM MANF. STANDARD COLOR, W/ WHITE HOUSING AND FASCIA. SEE REF. C.D.G. COORD. WITH WINDOW INSTALLER/MFR. TYP. ALL WINDOWS EXCEPT IN CORRIDORS, LIBRARY, STAIRWELLS AND VESTIBULES, ALIGN UNITS WITH VERTICAL MULLIONS (TYP.) WC-2 MOTORIZED WINDOW SHADES
CORNER GUARDS CG-1 ACRYLON 74000 BY CSI HIGH IMPACT VINYL ACRYLIC 120 YALE BLUE	ACOUSTICAL BARRIER COLOR: TIGER, DRYLAC COLOR: RAL 3003 (RED) CUSTOM MATTE FINISH (FINISH OR APPROVED EQUAL)
WINDOW SILL LEGEND SS-1 DUPONT 1" CORIAN COBALT (VERIFY FINAL SIZES PER PLANS/DETAILS)	INSULATED METAL PANEL COLOR: ALUCOBOND ROMAN BRONZE MICA PVDF S-S18 33 (ON CUSTOM MATTE FINISH OR APPROVED EQUAL)
HOLLOW METAL DOOR/FRAME PT-2 BENJAMIN MOORE 2066-10 "BLUE"	
CASEWORK LEGEND EPK-1 EPOXY RESIN - BLACK PL-1 SHELDON LABORATORY SYSTEMS #25035W CINNAMON TOAST	
PAINT LEGEND PT-1 BENJAMIN MOORE 228 TWISTED OAK PATH PT-2 BENJAMIN MOORE 2069-10 "BLUE" PT-3 BENJAMIN MOORE OC-51 INTENSE WHITE PT-4 BENJAMIN MOORE 306 LION HEART PT-5 BENJAMIN MOORE PAINT TO MATCH EXISTING ADJACENT COLORS PT-6 BENJAMIN MOORE 2126-50 GREY TIMBER WOLF PT-7 BENJAMIN MOORE 2132-10 BLACK PT-9 BENJAMIN MOORE 2066-60 "HONOLULU BLUE" *PT-5 CONSIST OF 8 COLORS	

GENERAL FINISH NOTES:

- ALL WALLS SHALL RECEIVE SCHEDULED / NOTED FINISH IN ALL EXPOSED AREAS AND ON ALL EXPOSED SURFACES EXTENDED TO FINISHED CEILING UNLESS OTHERWISE NOTED.
- ALL INTERIOR HOLLOW METAL DOORS, FRAMES, AND UNLOADED METAL "LITE" FRAMES SHALL BE PAINTED PT-6 UNLESS NOTED OTHERWISE.
- ALL FLOOR COVERINGS USED IN CORRIDORS, LOBBIES, STAIRS OR OTHER EXIT PATHS OR EXIT AREAS IN BUILDINGS USED IN WHOLE OR IN THOSE PARTS AS OCCUPANCY CLASS A-2 SHALL MEET CLASS A REQUIREMENTS.
- ALL INTERIOR MISCELLANEOUS METAL EXPOSED TO VIEW, INCLUDING BUT NOT LIMITED TO STAIR STRUCTURE, RISERS, SUPPORTS, GUARDRAILS, FROCKETS, STEEL MESH, EXPOSED CHANNELS, ETC., SHALL BE PAINTED PT-6 UNLESS NOTED OTHERWISE.
- WHERE QUARRY TILE OR CERAMIC TILE ARE SCHEDULED PROVIDE BULLNOSE TRIM AT BASE TO WALL AND VERTICAL TRANSITIONS. PROVIDE COVE PROFILE AT ALL FLOOR TO WALL TRANSITIONS.
- ALL TRANSITION STRIPS AND REDUCER STRIPS SHALL BE ADA COMPLIANT AND OF APPROPRIATE SIZE AND STYLE. COLOR AND STYLE SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL. SEE SHEET A15 FOR TYPICAL TRANSITION DETAILS AND DOOR SCHEDULE ON A62 FOR TRANSITIONS BELOW DOORS. ALIGN BENEATH DOORS AND AT DOOR THRESHOLDS UNLESS NOTED OTHERWISE.
- ALL PAINTED CONCRETE MASONRY UNIT(S) WALLS SHALL RECEIVE RESILIENT BASE UNLESS NOTED OTHERWISE. COVE PROFILE BASE SHALL BE USED ON CONCRETE MASONRY UNIT(S) WALLS AT ALL OTHER FLOOR SURFACES UNLESS NOTED OTHERWISE.
- ALL GYPSUM BOARD WALLS SHALL RECEIVE RESILIENT BASE UNLESS NOTED OTHERWISE. COVE PROFILE BASE SHALL BE USED ON GYPSUM BOARD WALLS AT ALL OTHER FLOOR SURFACES UNLESS NOTED OTHERWISE.
- ALL FLOORING MATERIAL CHANGES SHALL OCCUR AT CENTER OF DOOR SIDE STOP UNLESS NOTED OTHERWISE.
- ALL MECHANICAL ROOMS INCLUDING ALL EQUIPMENT PADS SHALL RECEIVE TRAFFIC COATING (TC) + VINY BASE, AND PT-1 ON WALLS. PROVIDE FRP WHERE SHOWN ON FINISH PLAN, CAULK TO WALL BASE. HOLD OFF ADJACENT SURFACES 3/8" UP AT ALL TERMINATIONS AND PENETRATIONS. INSTALL BACKER ROD AND SEALANT.
- REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ON CEILING FINISHES AND TYPES.
- EXTEND ALL SCHEDULED WALL FINISH/PATTERN MINIMUM 6" ABOVE FINISHED CEILING. PROVIDE STANDARD SMOOTH CONCRETE MASONRY UNIT(S) IN ALL UNEXPOSED AREAS (INCLUDING CEILING PLENUM) TO UNDERSIDE OF THE METAL DECK UNLESS NOTED OTHERWISE.
- CASEWORK SHALL RECEIVE RESILIENT BASE UNLESS ANOTHER BASE IS NOTED.
- SCHEDULED NOTED FLOOR FINISHES SHALL EXTEND BENEATH ALL BUILT IN CASEWORK.
- REFER TO PLANS, INTERIOR ELEVATIONS, AND FPE PLANS FOR LOCATION OF ALL TACK, MARKER BOARDS, AND SHEET MARKER BOARDS.
- THE FINISH OF ALL CMU END BLOCKS AND CAP BLOCKS SHALL BE BULLNOSED UNLESS SPECIFICALLY NOTED OTHERWISE, SUCH AS AT LOCKER TERMINATIONS AND FINISHED ON ALL EXPOSED FACES IN COLOR AND FINISH TO MATCH ADJACENT WALL AS SCHEDULED AND/OR NOTED.
- AT LOCATIONS WHERE WALL FINISH CHANGES AS EXPOSED JAMBS FINISH SHALL OCCUR AT WALL CENTERLINE UNLESS NOTED OTHERWISE.
- ALL EXTERIOR CORNERS AT GYPSUM WALLBOARD PARTITIONS SHALL RECEIVE CORNER GUARDS PER PLANS, UNLESS NOTED OTHERWISE.

FINISH SYMBOL LEGEND:

EQUIPMENT LEGEND FIRST FLOOR

MB	MARKER BOARD	4'-0"x12'-0"	CPCI
MB-1	MARKER BOARD	4'-0"x8'-0"	CPCI
TB	TACK BOARD	4'-0"x4'-0"	CPCI
FE-#	WALL MOUNTED FIRE EXTINGUISHER		
FE-#	FIRE EXTINGUISHER CABINET		

SCORE NOTE: G.C. SHALL PROVIDE 64" WIDE PROJECTOR SCREEN IN EVERY CLASSROOM & LIBRARY - COORDINATE W/ PROJECTOR LOCATION

FURNITURE LEGEND FIRST FLOOR

NOTE: ALL FURNITURE IS NIC (PROVIDED BY OWNER)

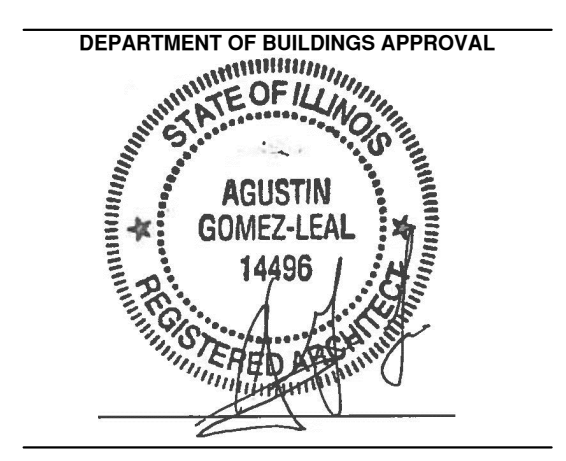
TEACHER - OFFICE WORK SPACE

STUDENT SCIENCE SEATING

NOTE: FURNITURE AND FIXTURES SHOWN NOT IN CONTRACT. SHOWN ONLY FOR CLARIFICATIONS.

ROOM FINISH LEGEND ABBREVIATIONS

FLOOR	BASE	WALL	CEILING	OTHER
CF	CONCRETE	CB	CERAMIC TILE COVE	AMD
CPT	CARPET	CF	CONCRETE FLOORING	ACT
CT	CERAMIC TILE	CT	TRAFFIC COATING	CP
DW	DETECTABLE WARNING	CMU	CONCRETE MASONRY UNIT	PL
EP	EPOXY PAINT	CT	CERAMIC WALL TILE	WC
SDVT	STATIC DISSIPATIVE	DF	DRINKING FOUNTAIN	EPX
VN	VINYL TILE	FRP	FIBERGLASS REINFORCED PANEL	EXPC
TC	TRAFFIC COATING	GB	GYPSUM BOARD	GB
QT	QUARRY TILE	GWB	GYPSUM BOARD	GP
VT	HOMOGENEOUS VINYL TILE	GYP BD	GYPSUM BOARD	GP BD
VCT	VINYL COMPOSITE TILE	MS	MARKER BOARD	MD
		PS	PROJECTION SCREEN	PL
		PL	PLASTIC LAMINATE	PT
		PT	PAINT	
		TB	TACKBOARD	
		CS	CAST STONE	
		WOB	WOOD BASE	



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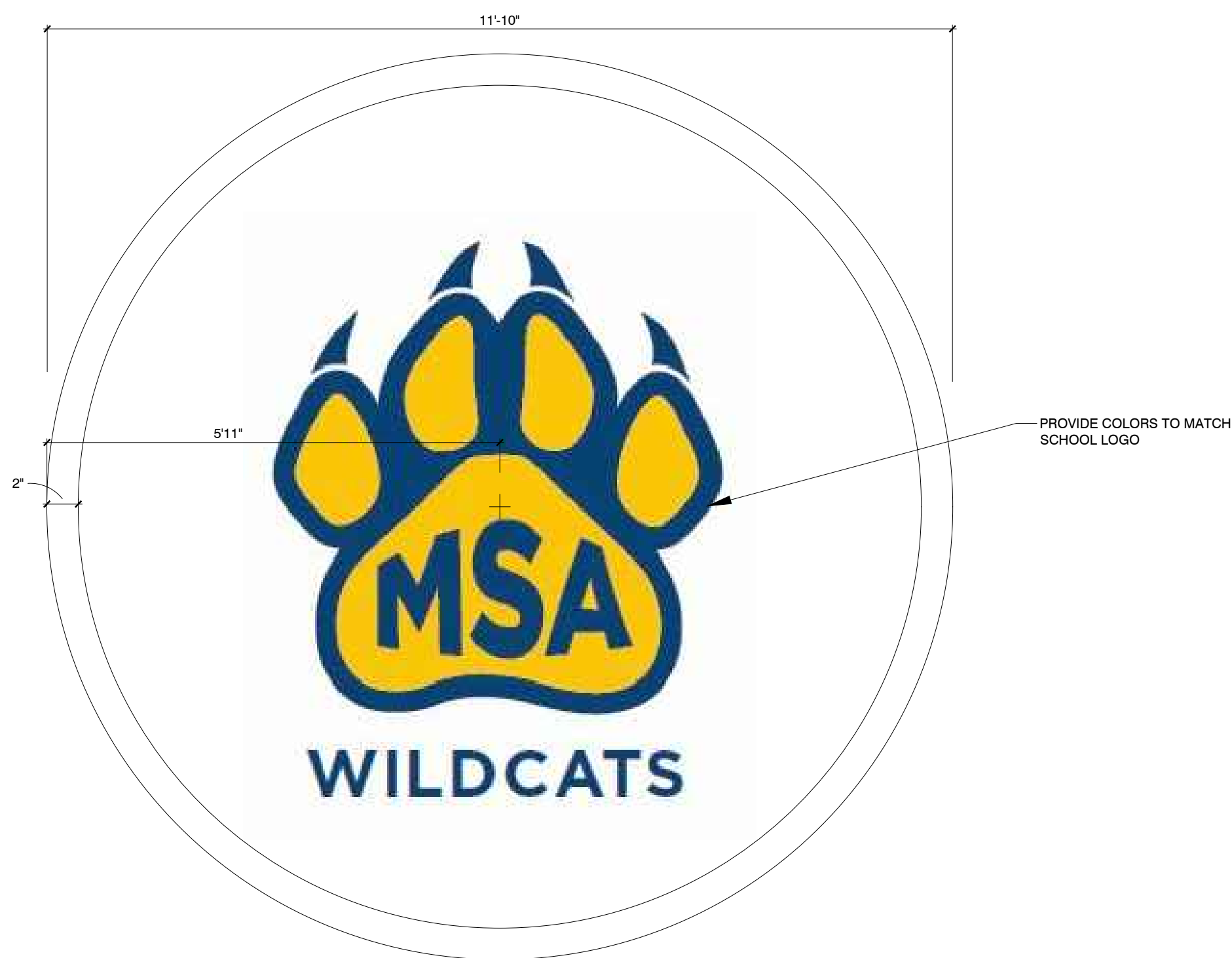
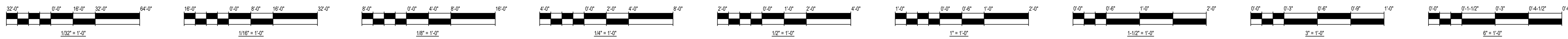
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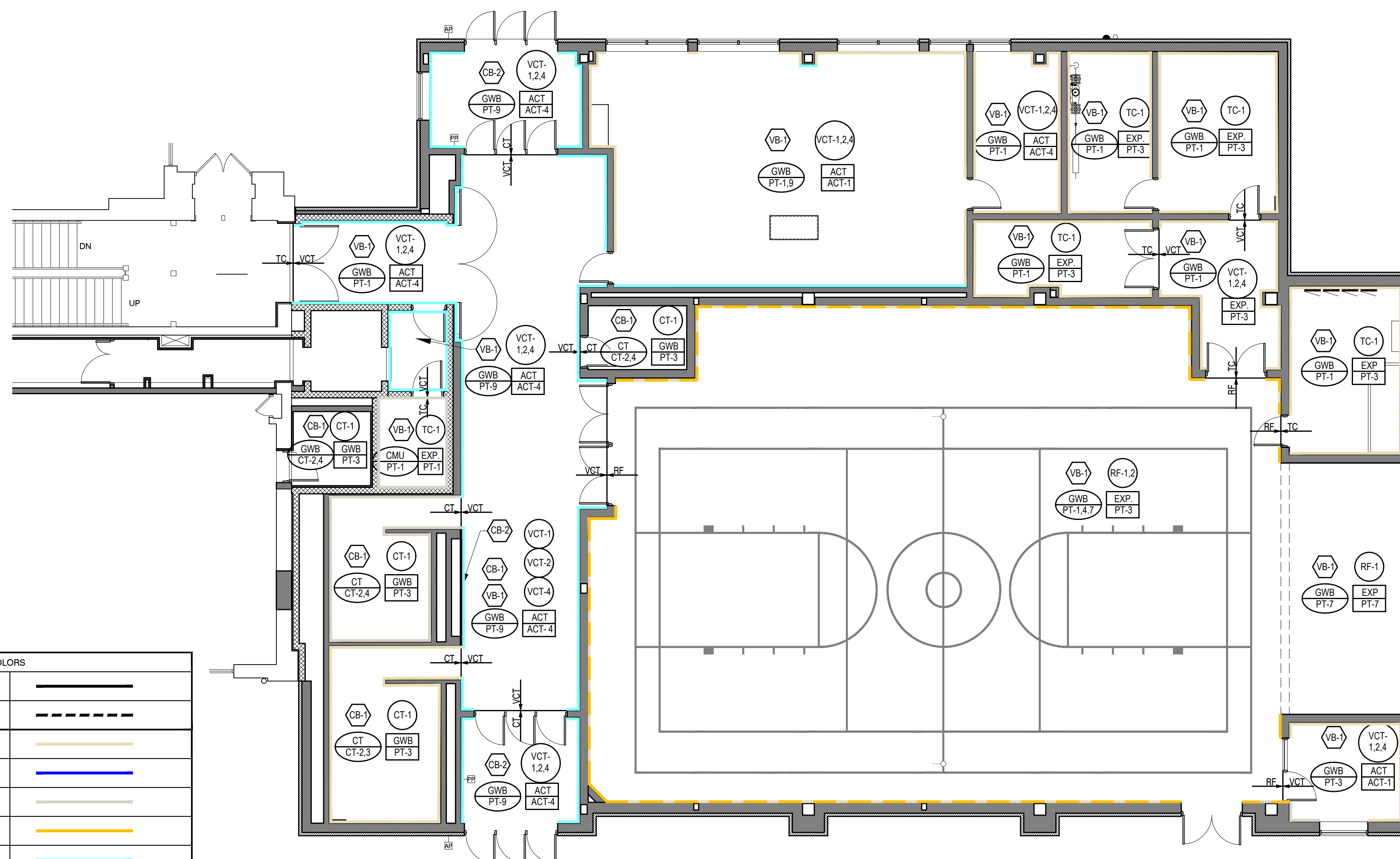
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 TITLE:
FINISH SCHEDULES
 SHEET
A70

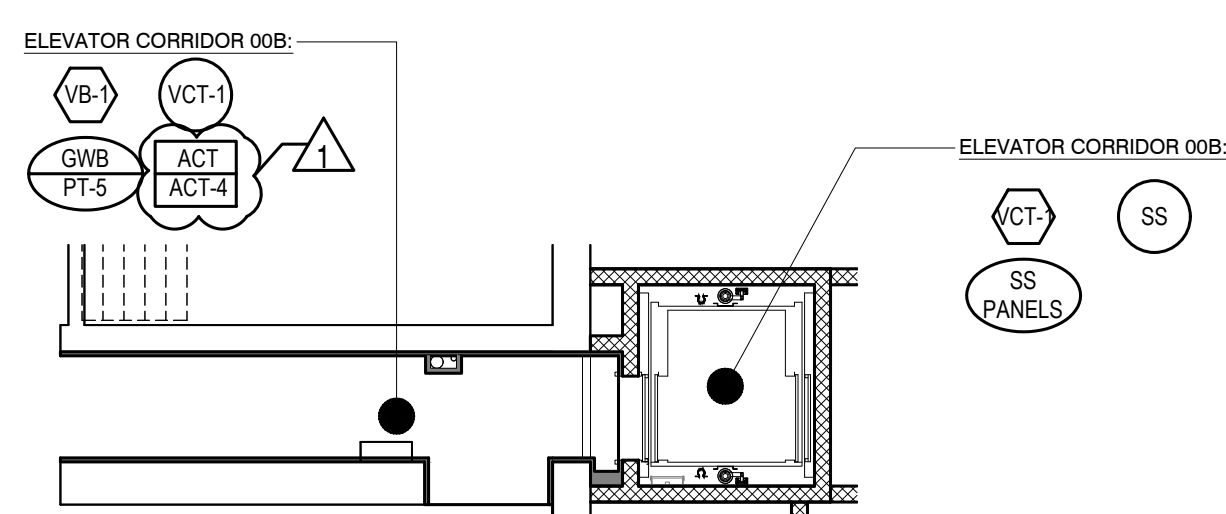


07 SCHOOL LOGO
PROVIDE @ CENTER OF GYM FLOOR

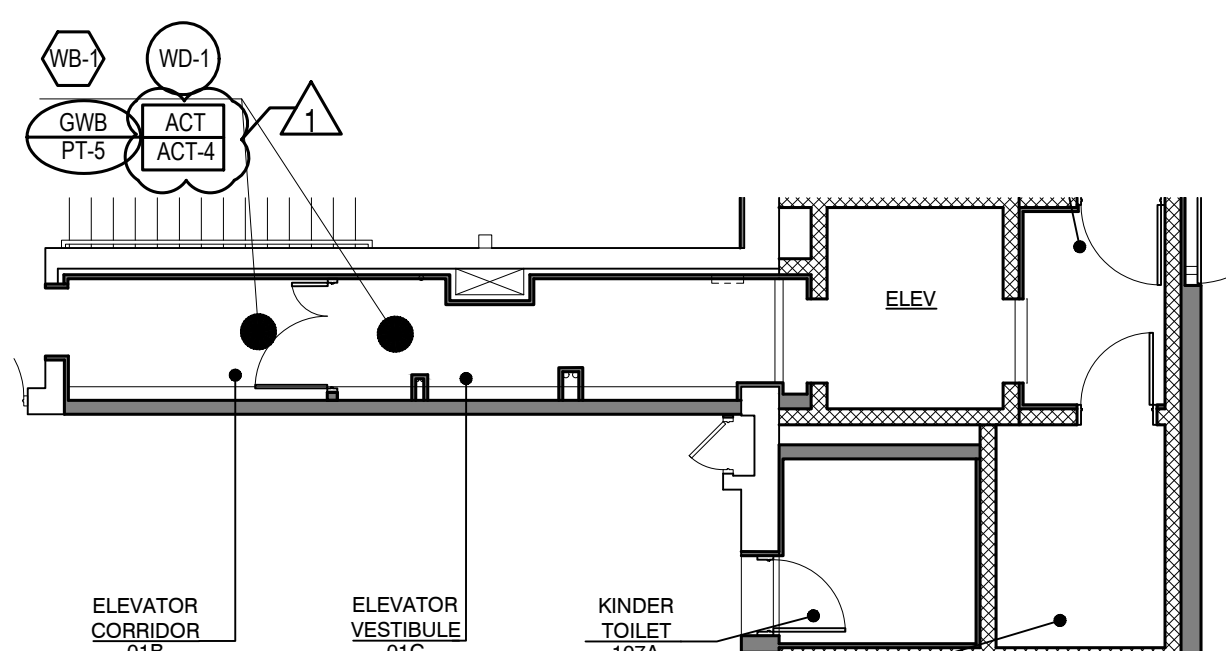
KEY - FOR WALL PAINT COLORS	
SOLID	—————
2 COLORS (SEE ELEVATIONS)	—————
PT-1 TWISTED OAK PATH	—————
PT-2 BLUE	—————
PT-3 INTENSE WHITE	—————
PT-4 LION HEART	—————
PT-9 HONOLULU BLUE	—————



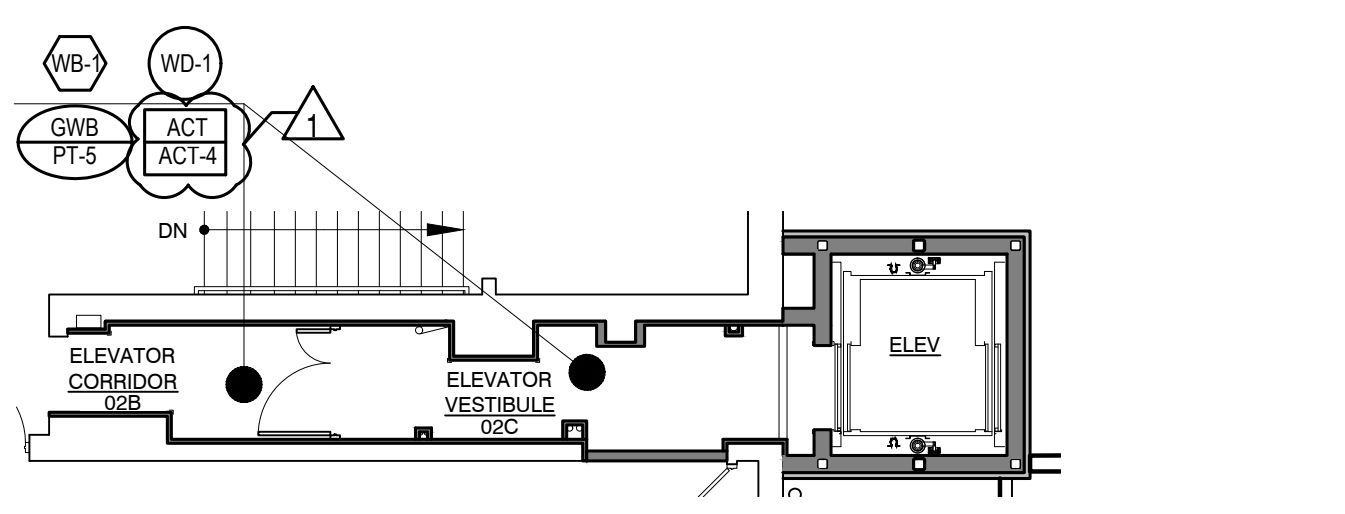
01 FIRST FLOOR FINISH ANNEX PLAN
SCALE: 1/8" = 1'-0"



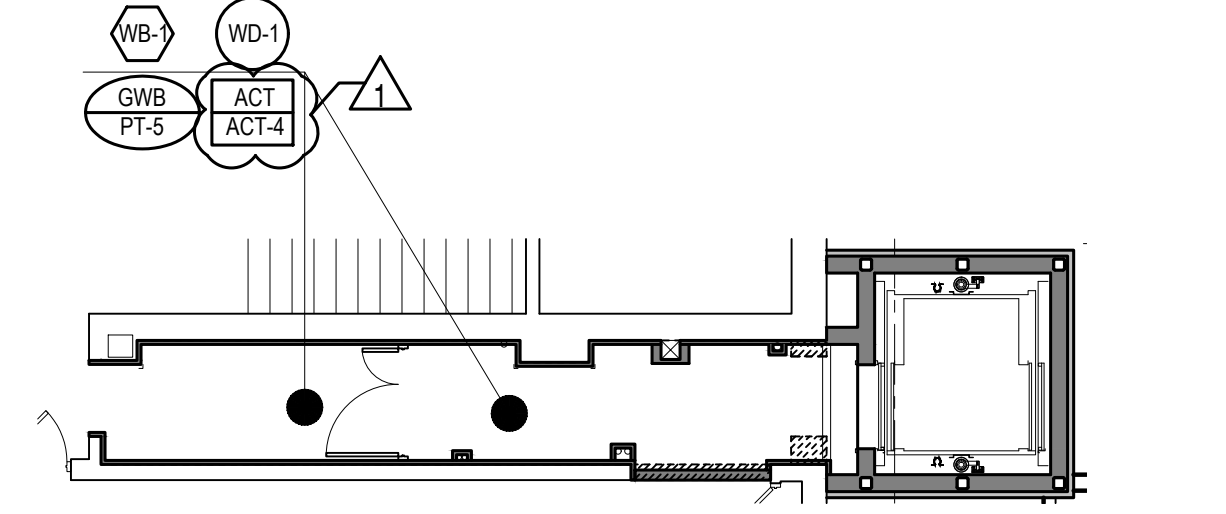
03 GROUND FLOOR ENLARGED ELEVATOR PLAN
PT-5 TO MATCH MAIN CORRIDOR
SCALE: 1/8" = 1'-0"



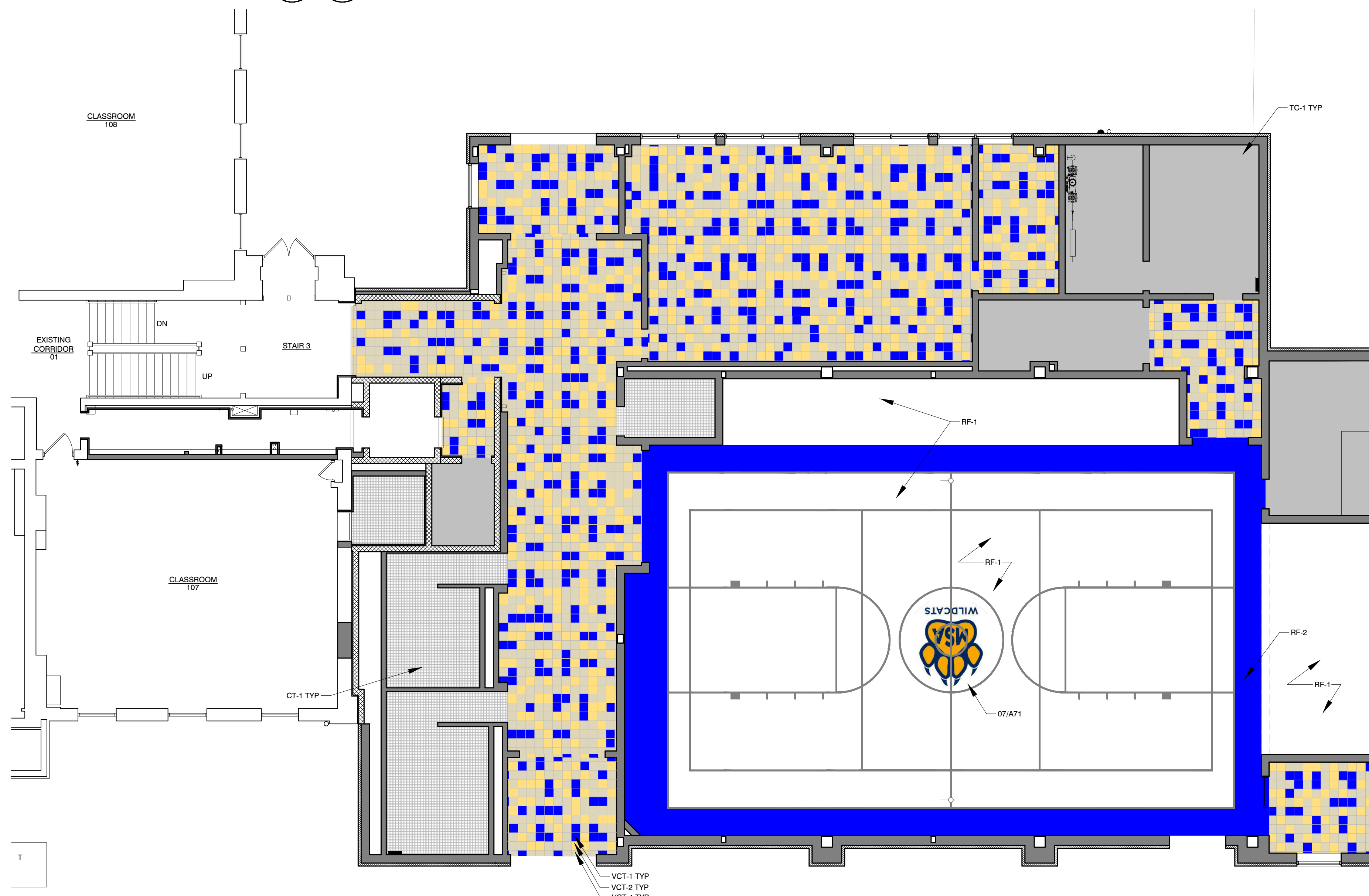
04 FIRST FLOOR ENLARGED ELEVATOR PLAN
PT-5 TO MATCH MAIN CORRIDOR
SCALE: 1/8" = 1'-0"



05 SECOND FLOOR ENLARGED ELEVATOR PLAN
PT-5 TO MATCH MAIN CORRIDOR
SCALE: 1/8" = 1'-0"



06 THIRD FLOOR ENLARGED ELEVATOR PLAN
PT-5 TO MATCH MAIN CORRIDOR
SCALE: 1/8" = 1'-0"



02 FIRST FLOOR FINISH PATTERN PLAN
SCALE: 1/8" = 1'-0"



SHERIDAN ELEMENTARY SCHOOL ANNEX

533 W. 27TH ST
CHICAGO, IL 60616
CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR RAHM EMANUEL

THESE DRAWINGS HAVE BEEN PREPARED AT AND/OR UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF CONFORM AND COMPLY WITH THE REQUIREMENTS OF THE CHICAGO DEPARTMENT OF BUILDING.

ILLINOIS
AGUSTIN GOMEZ-LEAL
REGISTERED ARCHITECT
001.014496
EXPIRATION DATE: NOVEMBER 30, 2018

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LARSON ENGINEERING LTD.
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and LEED consultant

SHINER & ASSOCIATES, INC.
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Acoustical Consultants

MARK	DESCRIPTION	DATE
1	PERMIT SET	06-22-17
2	BID SET	08-11-17
3	ADDENDUM #1	08-30-17
4		
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SCALE: AS NOTED
PLOT DATE: 8/29/2017

PBC PROJECT NUMBER: #05075
WGA PROJECT NO.: 17001

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TITLE:
FIRST FLOOR FINISH PLAN

SHEET
A71



SHERIDAN ELEMENTARY SCHOOL ANNEX
533 W. 27TH ST
CHICAGO, IL 60616
CHICAGO PUBLIC SCHOOLS
CITY OF CHICAGO, MAYOR RAHM EMANUEL

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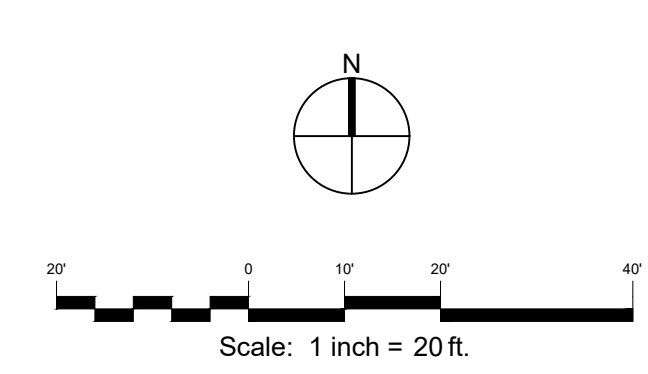
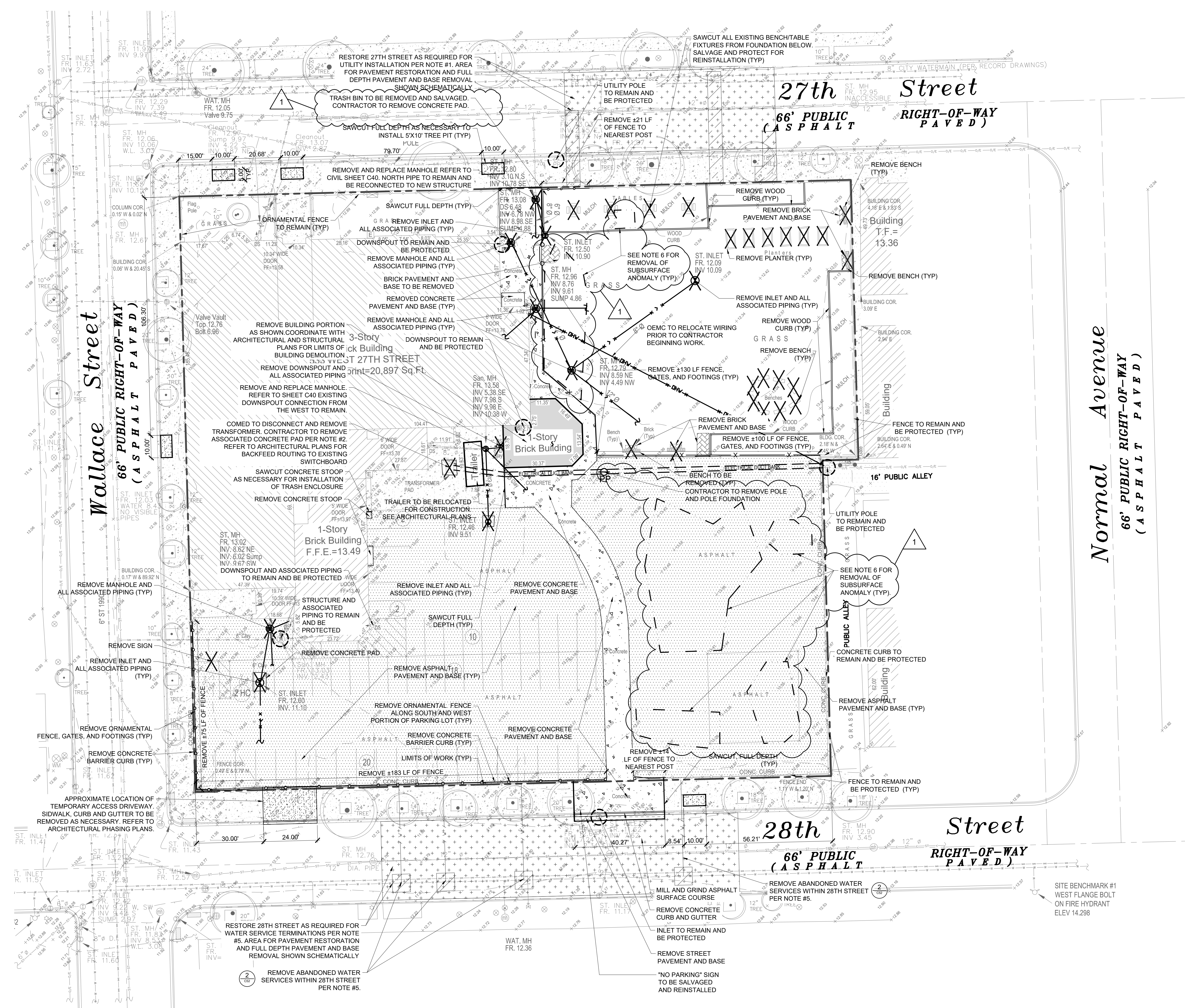
SCALE: AS NOTED
PLOT DATE: 8/11/17

PBC PROJECT NUMBER: #05075
WGA PROJECT NO.: 17001

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TITLE:
SITE DEMOLITION PLAN

SHEET
C10

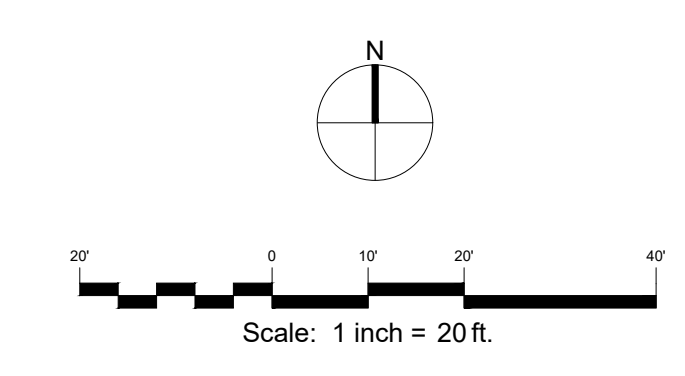
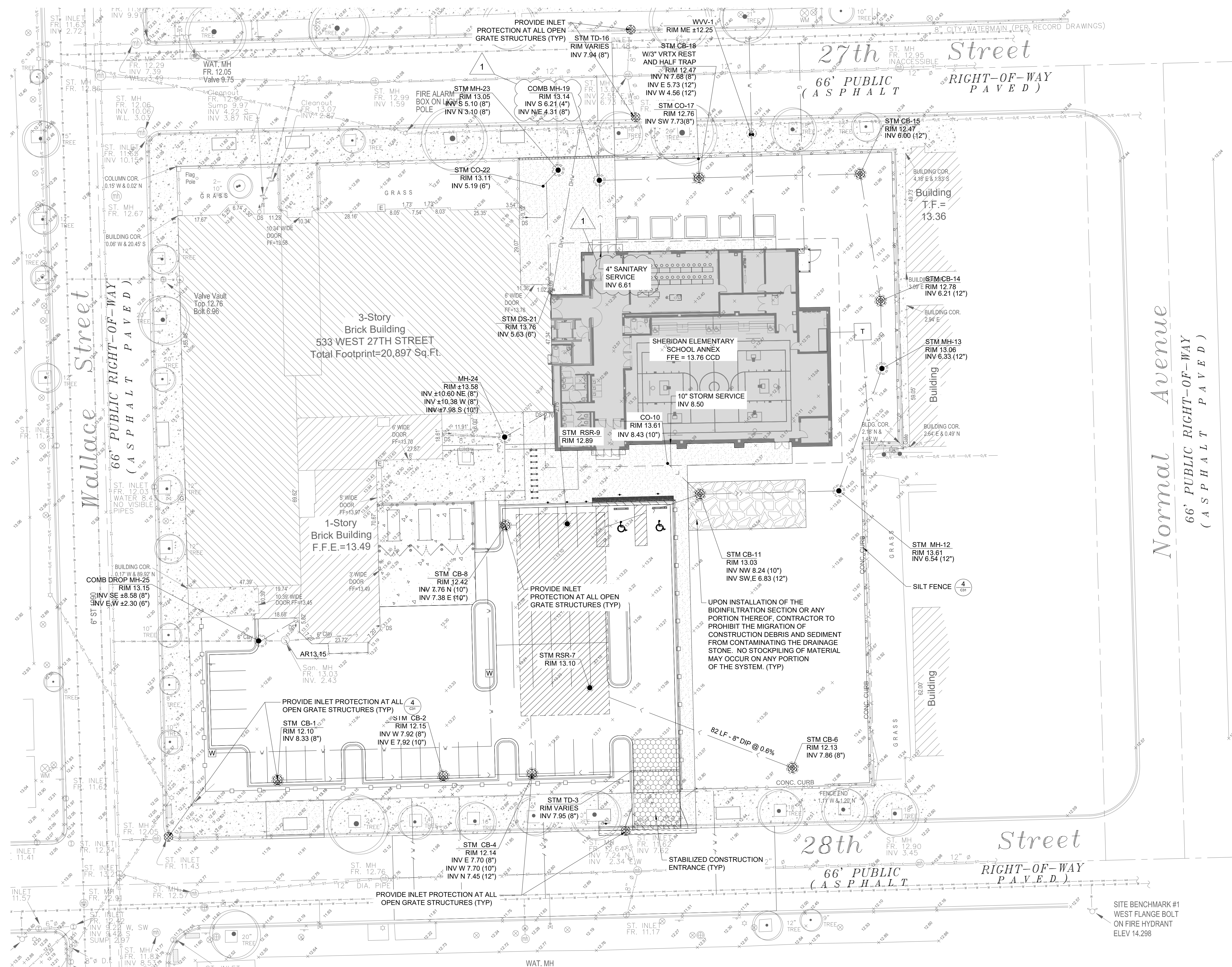


LEGEND:

- PROPERTY LINE
- LIMITS OF WORK
- [Hatched Box] EXISTING BUILDING
- [Hatched Box] REMOVE BUILDING AND APPURTENANCES
- [Hatched Box] REMOVE CONCRETE PAVEMENT AND BASE
- [Hatched Box] REMOVE CONCRETE WALK AND BASE
- [Hatched Box] REMOVE ASPHALT PAVEMENT AND BASE
- [Hatched Box] REMOVE STREET PAVEMENT AND BASE
- [Hatched Box] MILL AND GRIND EXISTING PAVEMENT
- [Hatched Box] FULL DEPTH PAVEMENT AND BASE REMOVAL IN ADDITION TO MILLING AND GRINDING OF EXISTING PAVEMENT
- [Hatched Box] REMOVE BRICK PAVEMENT AND BASE
- [X] REMOVE FENCE, POSTS, GATES, AND FOUNDATIONS
- [X] REMOVE CONCRETE CURB AND GUTTER
- [X] REMOVE STORM SEWER
- [X] REMOVE SANITARY SEWER
- [X] REMOVE COMBINED SEWER
- [X] REMOVE ELECTRIC SERVICE
- [X] REMOVE OVER HEAD WIRE
- [Circle with X] EXISTING TREE TO REMAIN AND BE PROTECTED
- [V] ABANDON WATER SERVICE
- [Line] SAWCUT (FULL DEPTH)
- [X] ITEM TO BE REMOVED
- [Circle with X] ITEM TO REMAIN AND BE PROTECTED
- [Dashed Line] APPROXIMATE LIMITS OF UNDERGROUND ANOMALY TO BE REMOVED (SEE NOTE 6 BELOW)

NOTES:

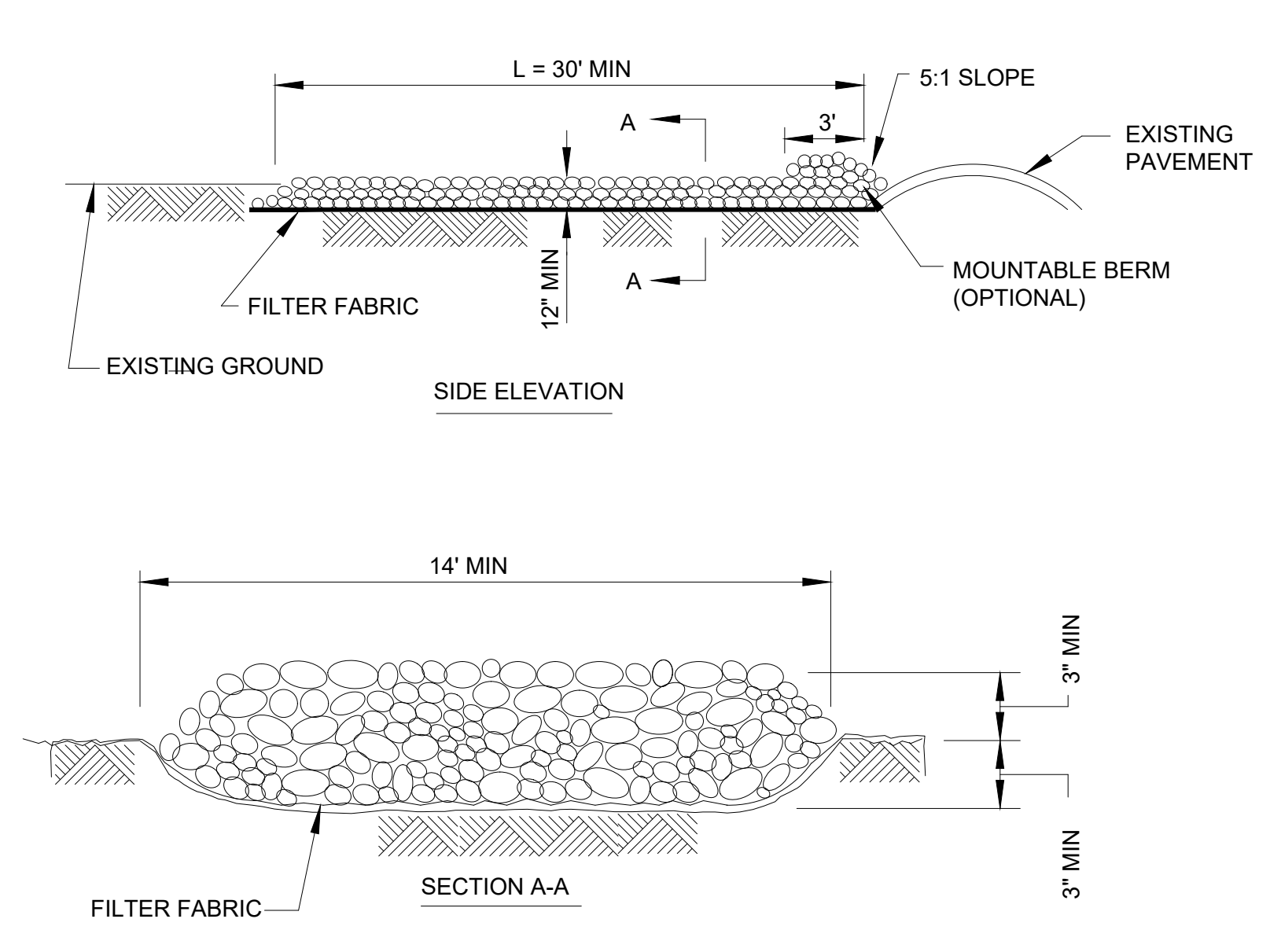
1. RESTORE 27TH STREET PAVEMENT AS REQUIRED FOR UTILITY INSTALLATION. COORDINATE WORK WITH CDOT AND C40. SITE UTILITY PLAN. AREA SHOWN SCHEMATICALLY ONLY.
2. COORDINATE INSTALLATION OF NEW TRANSFORMER WITH REMOVAL OF EXISTING TRANSFORMER TO ENSURE A SMOOTH TRANSITION. COORDINATE WITH ELECTRICAL ENGINEERING PLANS AND OWNER.
3. ALL TREES WITHIN RIGHT OF WAY ARE TO REMAIN AND BE PROTECTED UNLESS NOTED OTHERWISE. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
4. REMOVE 4 ABANDONED WATER SERVICES IN 2TH STREET PER DETAIL#7052 AND CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) STANDARDS. COORDINATE LOCATION OF SERVICES WITH CDWM. RESTORE STREET PAVEMENT AND BASE AND CONCRETE CURB AND GUTTER AS REQUIRED FOR SERVICE REMOVAL.
5. CONTRACTOR TO REMOVE THE UNDERGROUND OBSTRUCTIONS IN THE AREAS SHOWN AS NOTED IN THE GPR REPORT PREPARED BY OTHERS. PLEASE CONSULT THE GPR REPORT AND THE SANBORN MAPS INCLUDED IN THE PHASE 1 ESA, BOTH ATTACHED TO THESE SPECIFICATIONS.



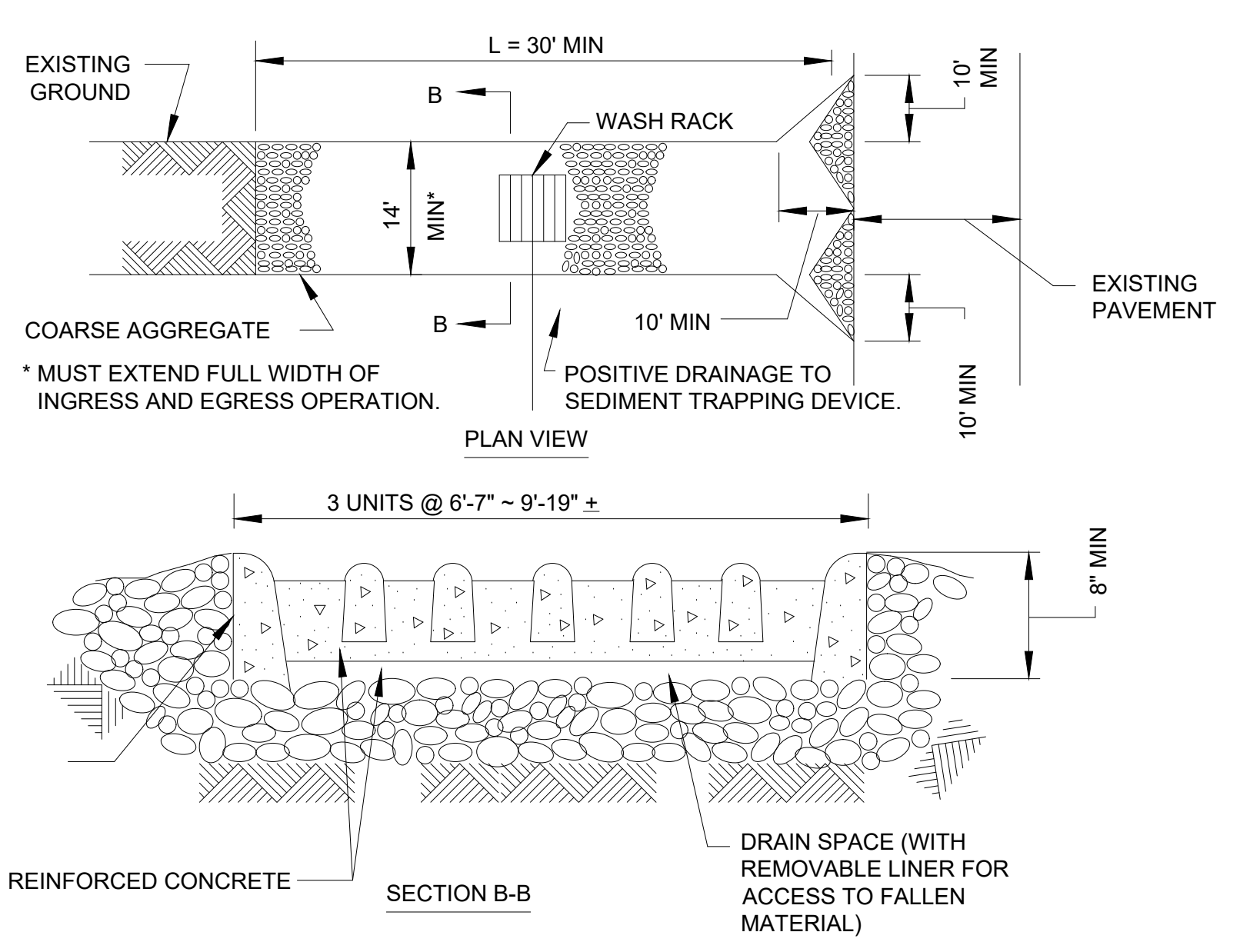
LEGEND:

- PROPERTY LINE
- LIMITS OF WORK
- ▭ BUILDING
- ▨ PRECAST DETENTION VAULT
- ▩ INFILTRATION BMP
- STORM SEWER
- SANITARY SEWER
- COMBINED SEWER
- PERFORATED PIPE
- CATCH BASIN (CB)
- MANHOLE (MH)
- RESTRICTOR (REST)
- ACCESS RISER (AR) CLOSED GRATE
- ACCESS RISER (AR) OPEN GRATE
- ELECTRIC SERVICE
- SILT FENCE
- FURNISH AND INSTALL INLET/CATCH BASIN FILTER
- ▨ STABILIZED CONSTRUCTION ENTRANCE

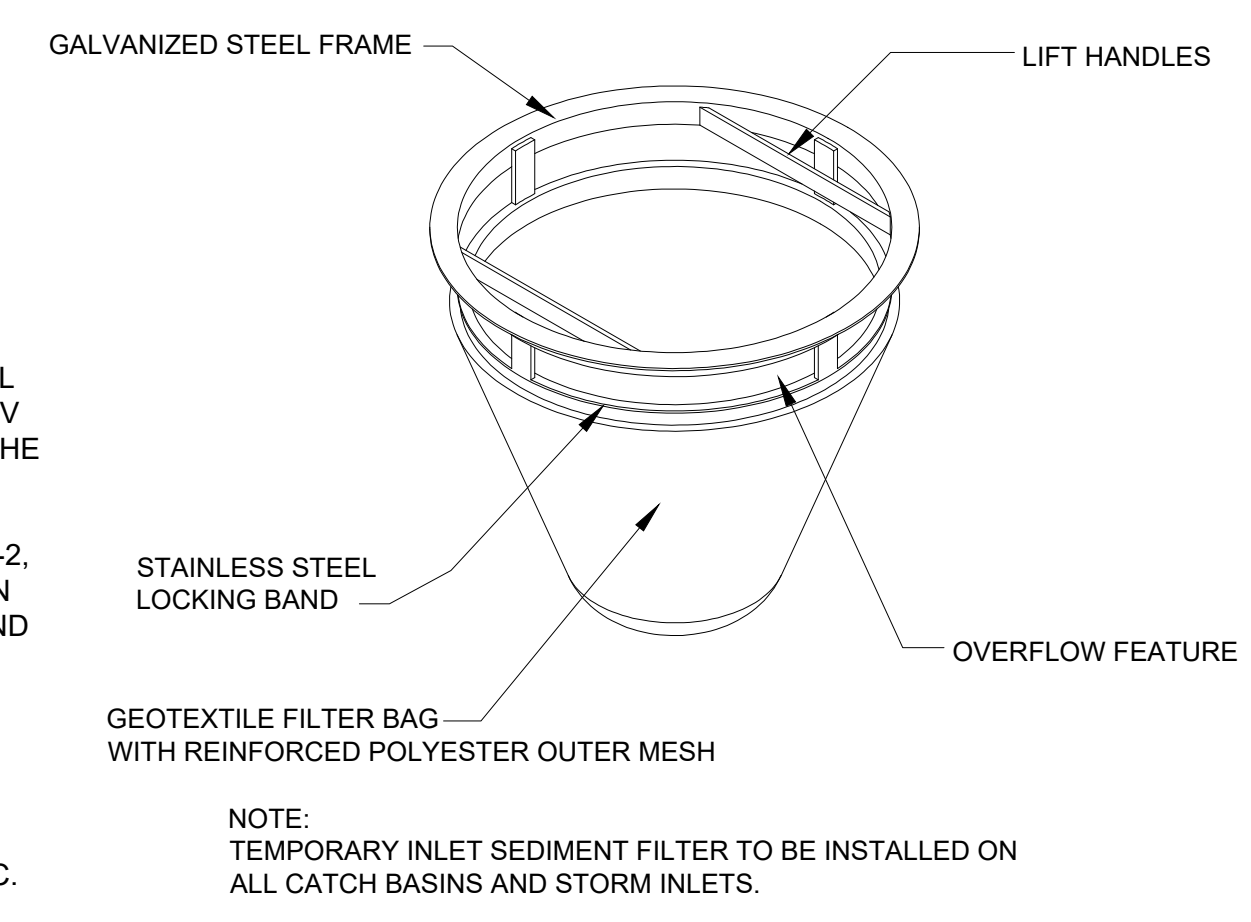
1 EROSION CONTROL PLAN
SCALE: 1" = 20'



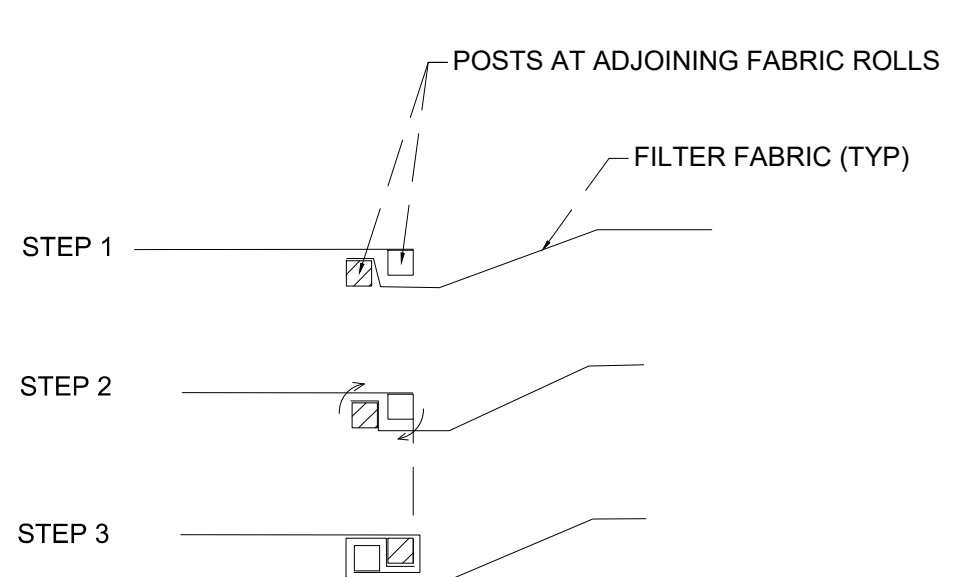
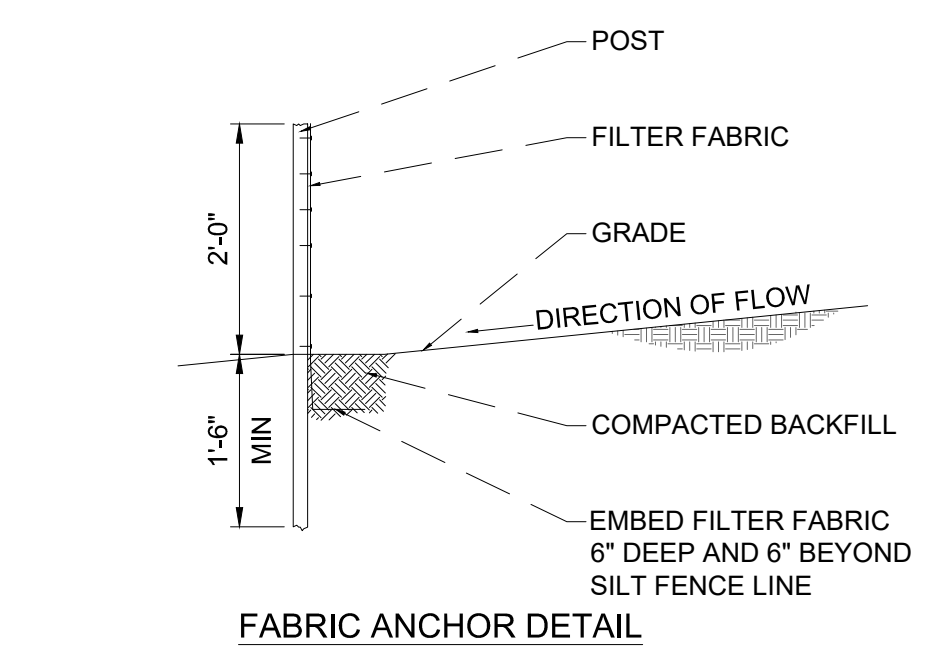
2 CONSTRUCTION ENTRANCE
SCALE: NTS



- NOTES:**
1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE I OR 2, CLASS I, II OR IV AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK.
 2. ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCK FILL USING PLACEMENT METHOD 1 AND CLASS III COMPACTION.
 3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 4. WASH RACKS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
 5. WASH RACKS SHALL BE CONSTRUCTED OF REINFORCED P.C.C. IN ACCORDANCE WITH PROJECTED DAILY TRUCK LOAD.
 6. WATER SOURCE MUST BE PROVIDED NEAR WASH RACK FOR CLEANING. AND 6. POSITIVE DRAINAGE AWAY FROM ENTRANCE TO SEDIMENT TRAPPING DEVICE MUST BE PROVIDED.
 7. CONTRACTOR TO COORDINATE LOCATION OF CONSTRUCTION ENTRANCE WITH CPS/OOWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.



3 FILTER BASKET
SCALE: NTS



INSTALLATION AT FABRIC JOINTS

- NOTES:**
1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS IN THE AREA THAT IS TO BE PROTECTED. THE FENCE SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
 2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.
 3. AT FABRIC JOINTS PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE, ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CRETE A TIGHT SEAL WITH THE FABRIC MATERIAL.
 4. DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.
 5. PLACE POST 5' O.C.
 6. FASTEN NO. 10 GAGE WIRE (MIN) 4 TIME PER POST

4 SILT FENCE
SCALE: NTS

DEPARTMENT OF BUILDINGS APPROVAL



SHERIDAN ELEMENTARY SCHOOL ANNEX

533 W. 27TH ST
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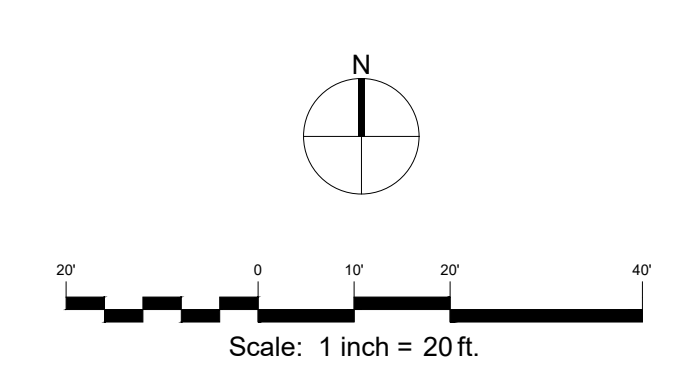
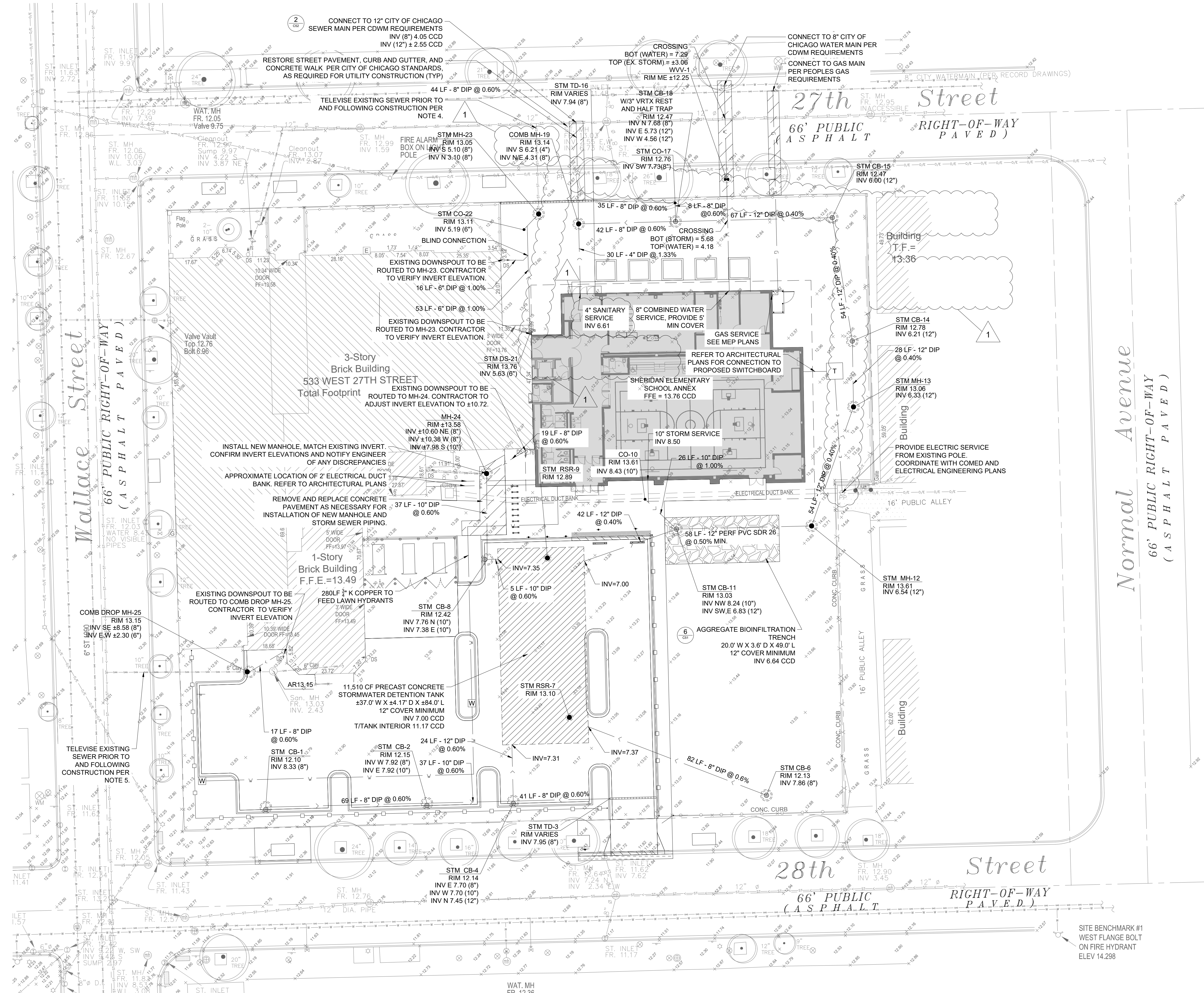
SCALE: AS NOTED
PLOT DATE: 8/11/17

PBC PROJECT NUMBER: #05075
WGA PROJECT NUMBER: 17001

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TITLE:
EROSION AND SEDIMENTATION CONTROL PLAN

SHEET
C31



LEGEND:

- PROPERTY LINE
- LIMITS OF WORK
- [Hatched Box] BUILDING
- OUTLINE OF MAT FOUNDATION. SEE STRUCTURAL DRAWINGS FOR DETAILS. RESTORE PER CITY REQUIREMENTS. AREA SHOWN SCHEMATIC ONLY.
- [Hatched Box] PRECAST DETENTION VAULT
- [Hatched Box] INFILTRATION BMP
- STORM SEWER
- SANITARY SEWER
- COMBINED SEWER
- PERFORATED PIPE
- WATER SERVICE
- GAS SERVICE
- ELECTRIC SERVICE
- [Circle with X] CATCH BASIN (CB)
- [Circle with M] MANHOLE (MH)
- [Circle with A] AREA DRAIN (AD)
- [Circle with C] CLEAN OUT (CO)
- [Circle with R] RESTRICTOR (REST)
- [Circle with A] ACCESS RISER (AR) CLOSED GRATE
- [Circle with A] ACCESS RISER (AR) OPEN GRATE
- [Circle with W] WATER LINE VALVE (WLV)
- [Circle with A] ACCESS RISER (AR) OPEN GRATE

GENERAL NOTES:

1. CONTRACTOR TO COORDINATE NEW UTILITY POLE WITH UTILITY COMPANIES AND ELECTRICAL ENGINEERING PLANS AS REQUIRED.
2. CONTRACTOR SHALL VERIFY TREE HEIGHT BEFORE UTILITY POLE INSTALLATION, AND REROUTE UTILITY WIRES AS NECESSARY TO PROTECT EXISTING TREE.
3. COORDINATE INSTALLATION OF NEW TRANSFORMER WITH REMOVAL OF EXISTING TRANSFORMER TO ENSURE A SMOOTH TRANSITION. COORDINATE WITH ELECTRICAL ENGINEERING PLANS AND OWNER.
4. TELEWISE ± 39 LF EXISTING 8" SEWER PIPE FROM MH-23 TO CONNECTION IN 27TH STREET PRIOR TO AND FOLLOWING CONSTRUCTION IN THE PRESENCE OF THE SEWER INSPECTOR.
5. TELEWISE ± 62 LF EXISTING 8" SEWER PIPE FROM MH-25 TO CONNECTION IN WALLACE STREET PRIOR TO AND FOLLOWING CONSTRUCTION IN THE PRESENCE OF THE SEWER INSPECTOR.
6. ALL EXISTING STORM SEWERS AND STRUCTURES SHALL BE CHECKED AND CLEANED AS NECESSARY.

PRECAST CONCRETE DETENTION TANK NOTES:

1. PRECAST CONCRETE VAULT SHALL BE DESIGNED FOR AASHTO HS-20 LOADING.
2. INSTALL PRECAST CONCRETE VAULT PER MANUFACTURER'S REQUIREMENTS. REFER TO GRADING PLAN FOR SURFACE ELEVATIONS.
3. INSTALL REINFORCEMENT FOR CONCRETE FOUNDATION PER MANUFACTURER'S REQUIREMENT. FOUNDATION CONTROL JOINTS TO BE LOCATED AT CENTER OF UNIT.
4. FOUNDATION TO HAVE A MINIMUM 1'0" OVERHANG BEYOND EXTERNAL FACE OF VAULT.
5. ACCESS RISERS TO BE 2'-0" IN DIAMETER.
6. INSTALL ACCESS RISERS PER DETENTION VAULT PER MANUFACTURER'S REQUIREMENTS.
7. SYSTEM TO BE WATER TIGHT. PROVIDE 1.5H X 1.0W REINFORCED CONCRETE COLLAR PER MANUFACTURER REQUIREMENTS.
8. HWL = 11.17.
9. SUBGRADE UNDER PAVEMENTS AND STORMWATER MANAGEMENT FACILITIES TO BE CA-6, INSTALLED PER GEO-TECHNICAL REQUIREMENTS.

DEPARTMENT OF BUILDINGS APPROVAL



SHERIDAN ELEMENTARY SCHOOL ANNEX

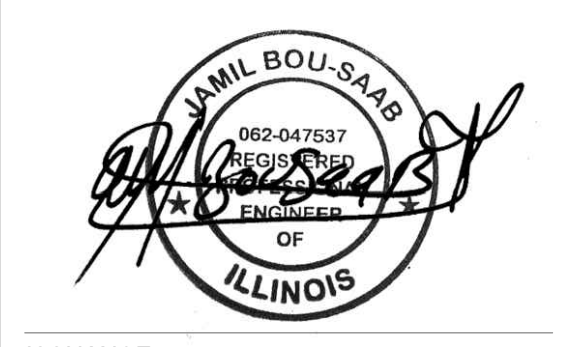
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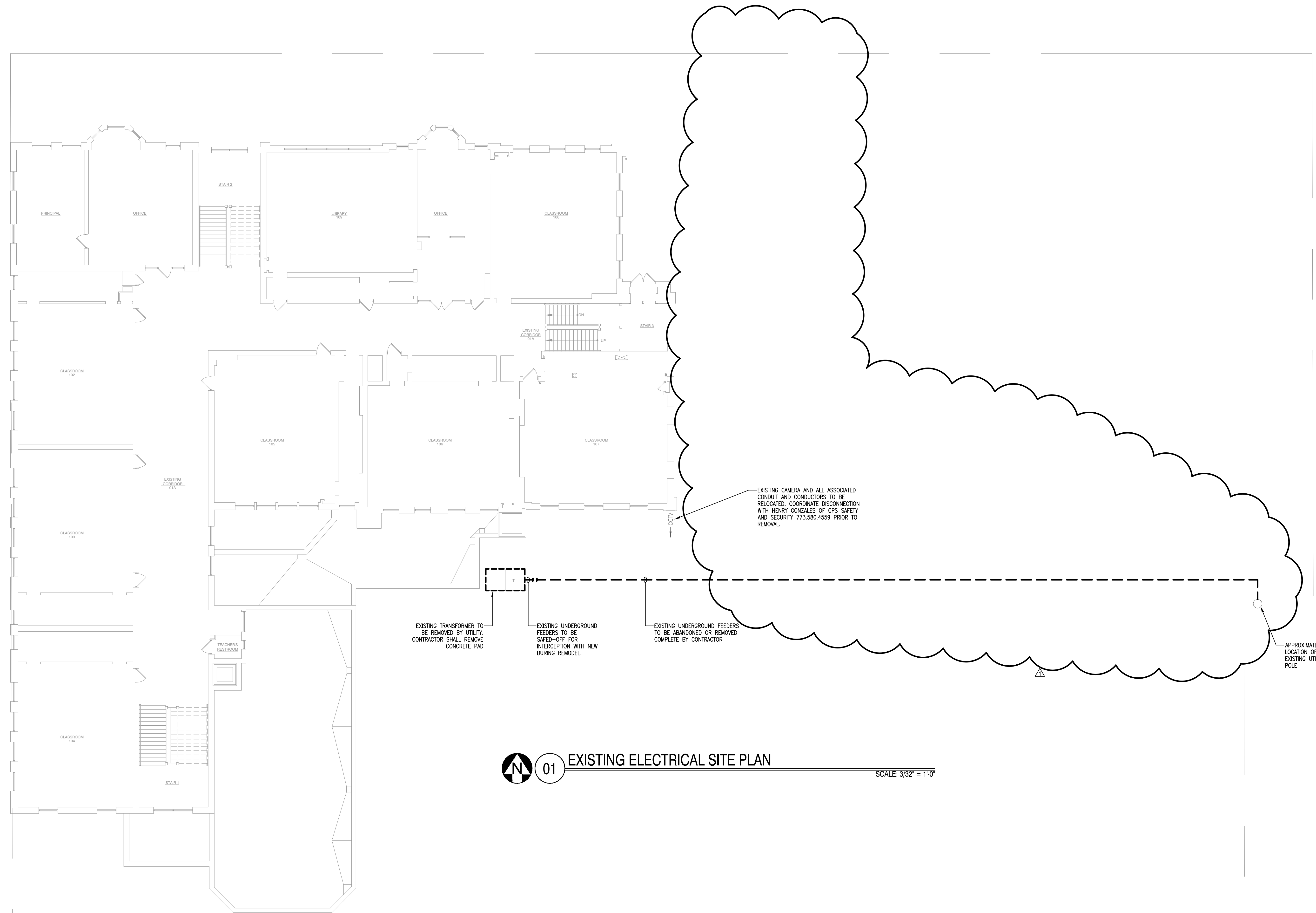
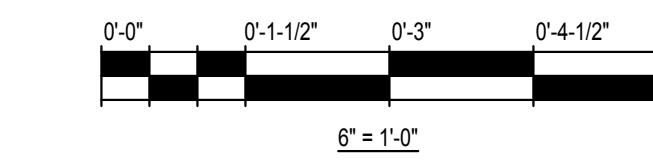
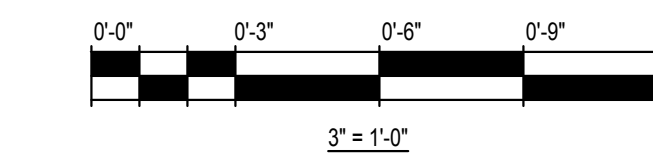
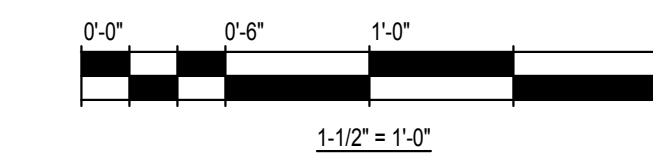
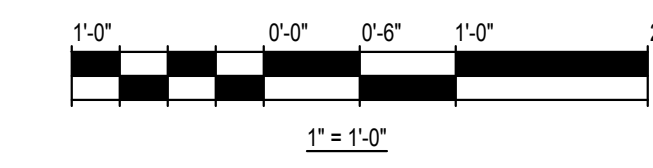
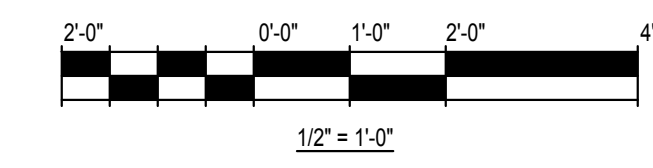
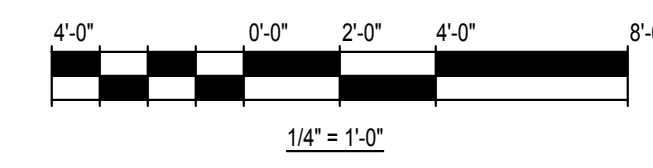
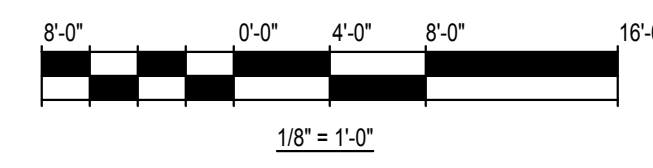
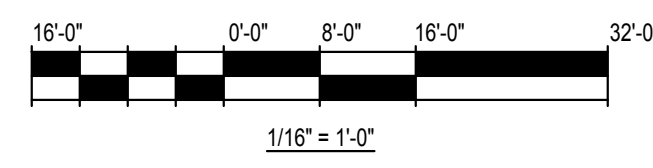
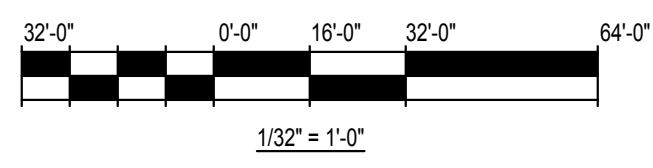
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TITLE:
SITE UTILITY PLAN

SHEET
C40



01 EXISTING ELECTRICAL SITE PLAN

SCALE: 3/32" = 1'-0"



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 CITY OF CHICAGO, MAYOR RAHM EMANUEL

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ILLINOIS
 AGUSTIN GOMEZ-LEAL
 REGISTERED ARCHITECT
 001.014498
 EXPIRATION DATE: NOVEMBER 30, 2018

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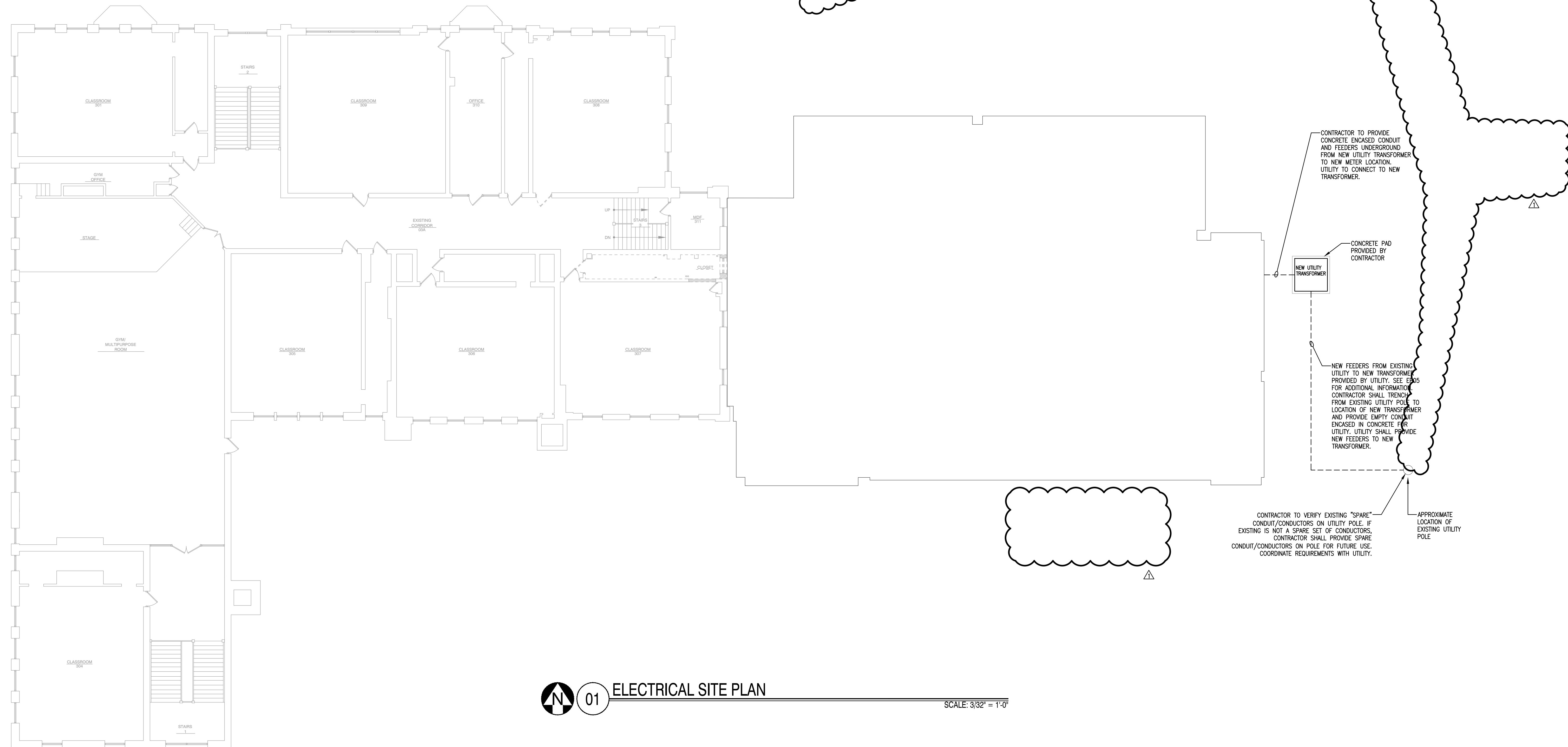
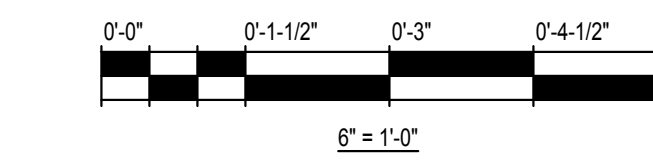
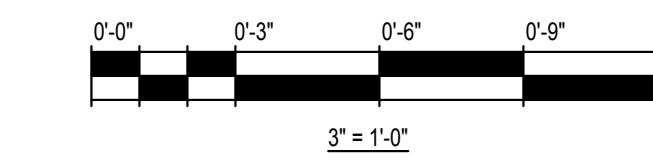
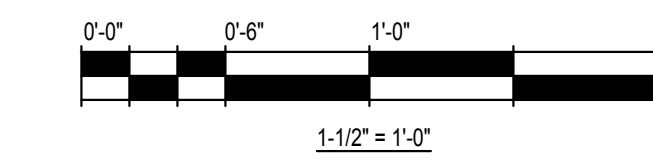
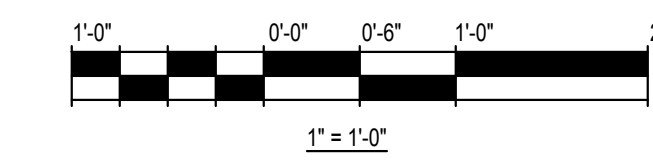
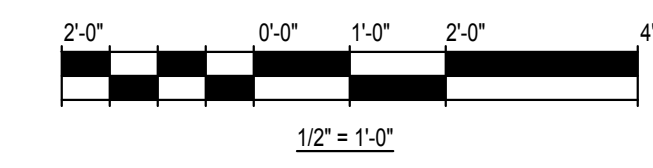
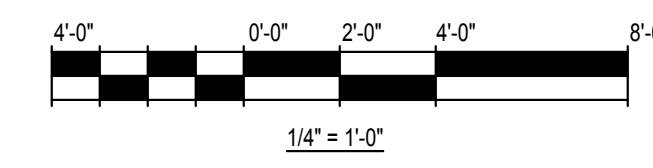
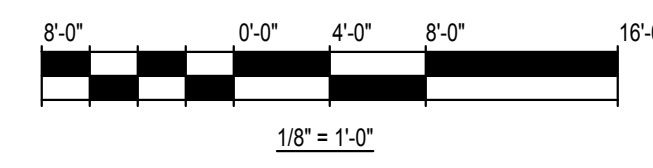
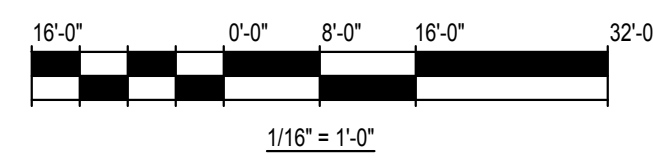
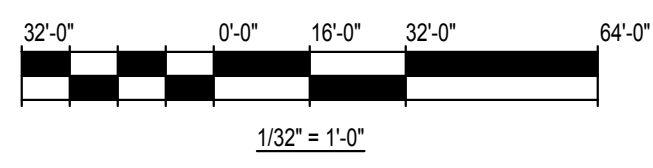
SCALE: AS NOTED
 07-30-17

PBC PROJECT NUMBER: #05075
 WGA PROJECT NO.: 17001

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TITLE:
EXISTING ELECTRICAL SITE PLAN

SHEET
ES01



01 ELECTRICAL SITE PLAN

SCALE: 3/32" = 1'-0"



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MARK	DESCRIPTION	DATE
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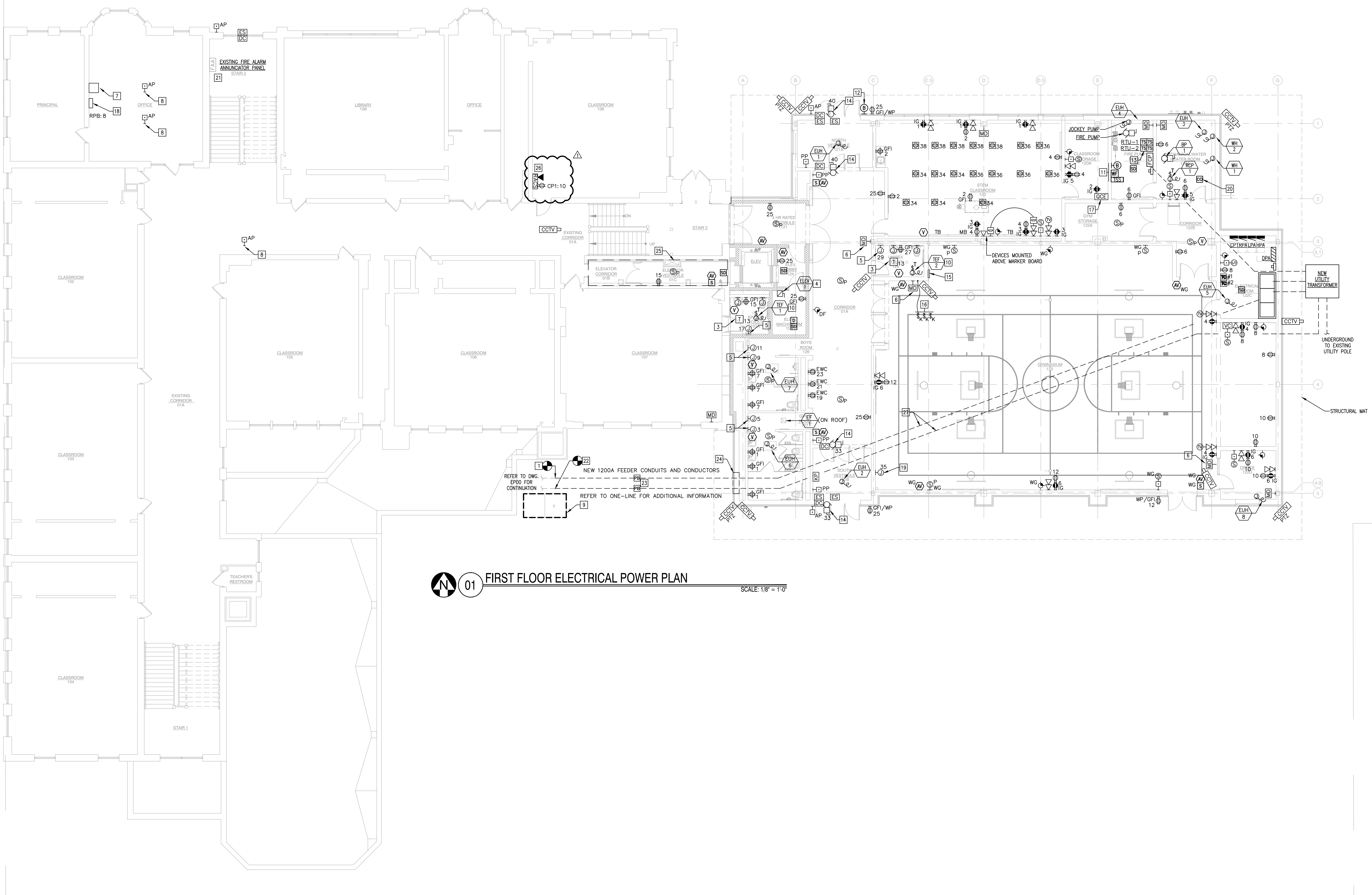
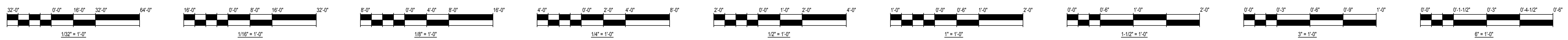
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PBC PROJECT NUMBER: #05075
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TITLE:
ELECTRICAL SITE PLAN

SHEET
ES02



01 FIRST FLOOR ELECTRICAL POWER PLAN SCALE: 1/8" = 1'-0"

- GENERAL POWER NOTES**
- ALL WORK MUST COMPLY WITH NEC, NFPA, LIFE SAFETY AND LOCAL APPLICABLE CODES.
 - ALL CONDUIT SHALL BE 3/4" EMT, MINIMUM.
 - ALL WIRE SHALL BE MINIMUM OF #12 THIN COPPER.
 - SEE ARCHITECTURAL DRAWINGS/ELEVATIONS FOR EXACT LOCATIONS OF ALL RECEPTACLES AND DEVICES.
 - ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANELBOARD(S) TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 100'-0" ON 120/208V CIRCUITS.
 - POWER AND DATA WALL OUTLETS/A-BOXES MUST BE PROPERLY ALIGNED BETWEEN STUDS USING CADDY BRACKET OR APPROVED EQUAL WITH SPACING FOR (3) 4x4 J-BOXES.
 - ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT (EMT) IN CONCEALED SPACES (WALLS AND INACCESSIBLE CEILINGS).
 - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT.

- ALL NORMAL POWER CIRCUITS SHALL BE FED FROM PANEL "RPA" U.O.N.
- ALL ISOLATED GROUND CIRCUITS SHALL BE FED FROM PANEL "CP1" U.O.N.
- FIRE ALARM CONTRACTOR TO RE-PROGRAM EXISTING FIRE ALARM PANEL AND ANNUNCIATOR AS NEEDED TO ACCOMMODATE NEW DEVICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROVED CABLE TESTS ON ALL HOME CABLES AND PROVIDE WRITTEN RESULTS TO GPS. ALL HDMI CABLES SHALL MEET AND EXCEED INDUSTRY STANDARDS FOR HDMI CABLE PERFORMANCE (BASED ON THE HDMI SPECIFICATION VERSION OF THE SPECIFIED INSTALLED CABLE IS RATED TO). AT MINIMUM, REPORT SHALL CONTAIN PICTURE CONFIRMATION OF CONNECTIVITY BETWEEN ALL END POINTS OF HDMI OR DATA/HDMI LOCATIONS.

- KEY NOTES**
- INTERCEPT (3) EXISTING 3-1/2" UNDERGROUND FEEDER CONDUITS AND EXTEND TO NEW MAIN SWITCHBOARD FOR BACKFEED OF EXISTING DISTRIBUTION SWITCHBOARD. PROVIDE AN (3) NEW 3-1/2" UNDERGROUND FEEDER CONDUITS AND CONDUCTORS FROM EXISTING DISTRIBUTION SWITCHBOARD TO NEW MAIN SWITCHBOARD. REFER TO POWER DISTRIBUTION ONE-LINE FOR ADDITIONAL INFORMATION.
 - HEAT AND SMOKE DETECTORS SHALL BE INSTALLED IN ELEVATOR PIT. SMOKE ALARM SHALL ACTIVATE ELEVATOR REDCALL, HEAT DETECTOR ALARM SHALL ACTIVATE ELEVATOR SHUT-DOWN.
 - PLUMBING FIXTURE SENSOR TRANSFORMER FURNISHED BY PLUMBING CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. E.S. SHALL CONNECT TRANSFORMER AHEAD OF ANY GFCI RECEPTACLES. PROVIDE WIRING AND CONDUIT BETWEEN TRANSFORMER AND AUTOMATIC PLUMBING FIXTURE SENSORS. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. TRANSFORMER SHALL BE LOCATED IN AN ACCESSIBLE LOCATION, EITHER ABOVE CEILING TILE OR BEHIND CEILING ACCESS PANEL. REFER TO PLUMBING FIXTURE SENSOR WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
 - PROVIDE AND INSTALL EATON ELEVATOR CONTROL SWITCH (OR APPROVED EQUAL).

- PROVIDE A 20A/120V DEDICATED CIRCUIT FOR HAND DRYER. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- MOTION DETECTOR TO BE LONG RANGE TYPE.
- UPGRADED MASTER INTERCOM RACK. REFER TO INTERCOM SCHEMATIC RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- UPGRADED APHONE SYSTEM MASTER STATION. REFER TO APHONE DETAIL FOR ADDITIONAL INFORMATION.
- EXISTING TRANSFORMER AND ASSOCIATED PAD TO BE REMOVED COMPLETE BY UTILITY. COORDINATE ALL WORK WITH UTILITY.
- INTERLOCK EXHAUST FAN WITH LIGHTING CONTROLS SERVING THIS ROOM.
- TAMPER SWITCHES (XS), WATER FLOW INDICATOR AND WATER MOTOR GONG FOR FIRE SPRINKLER SYSTEM. VERIFY EXACT LOCATION AND ALL ELECTRICAL REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR. CONNECT TO FIRE ALARM SYSTEM.
- PROVIDE WATER MOTOR GONG RATED FOR OUTDOOR USE ABOVE SHASEE CONNECTION. VERIFY LOCATION WITH SPRINKLER DRAWINGS. CONNECT TO FIRE ALARM SYSTEM.
- COORDINATE REMOTE TEST SWITCH LOCATION WITH THE FIRE DEPT.

- PROVIDE 120V POWER FOR MOTORIZED DOOR OPERATOR. COORDINATE GEOWORK AND SHALL BE BACKFILLED WITH SAND AROUND CONDUIT AND CONTINUES IN CONCRETE AND INTERCEPTS WITH EXISTING.
- PROVIDE BACKSTOP CONTROLLER FOR BASKETBALL HOOPS.
- PROVIDE KEYSWITCH(ES) FOR MOTORIZED SHADES.
- REFER TO CONCENTRATOR DETAILS ON SHEET EP09.
- PROVIDE AND INSTALL TALK-A-PHONE AREA OF RESCUE COMMAND UNIT MODEL AOR-8. VERIFY EXACT LOCATION WITH SCHOOL PRIOR TO INSTALLATION. SEE DETAIL 1/EP11.
- PROVIDE POWER FOR SCOREBOARD. INTERCEPT AND EXTEND INSTALLATION. REFER TO MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH SCHOOL FOR LOCATION OF SCOREBOARD CONTROL CENTER.
- CO SENSOR TO BE TIED INTO FIRE ALARM SYSTEM.
- UPDATE EXISTING ANNUNCIATOR PANEL TO INCLUDE ALL NEW ZONES AS REQUIRED.
- INTERCEPT EXISTING CONDUIT AND EXTEND TO NEW TRANSFORMER. PROVIDE NEW CONDUCTORS FROM NEW TRANSFORMER TO EXISTING FIRE PUMP.
- ADD PULL BOXES OR HAND HOLES AS REQUIRED TO AID IN WIRE PULLS.

- ALL ELECTRICAL CONDUIT INSIDE NEW ANNEX BUILDING IS THRU GEOWORK AND SHALL BE BACKFILLED WITH SAND AROUND CONDUIT AND CONTINUES IN CONCRETE AND INTERCEPTS WITH EXISTING.
- ALL EXISTING ELECTRICAL DEVICES AND LIGHTING SHALL BE REMOVED IN THIS AREA (E PENDANT LIGHTS, RECESSED LIGHTS, SURFACE MOUNT LIGHTS, WALL SOCKETS, SWITCHES, RECEPTACLES, ETC.) REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX AND SAVE-OFF FOR RE-USE DURING REMODEL.
- PROVIDE AND INSTALL TALK-A-PHONE MODEL ETP-100MB EMERGENCY HANDS-FREE TWO WAY PHONE FOR RESCUE ASSISTANCE. SEE DETAIL 1/EP11. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
- CONDUIT THRU GEOWORK IS BACKFILLED WITH SAND AROUND IT. SEE DETAIL 2/EP11.



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ISSUANCE

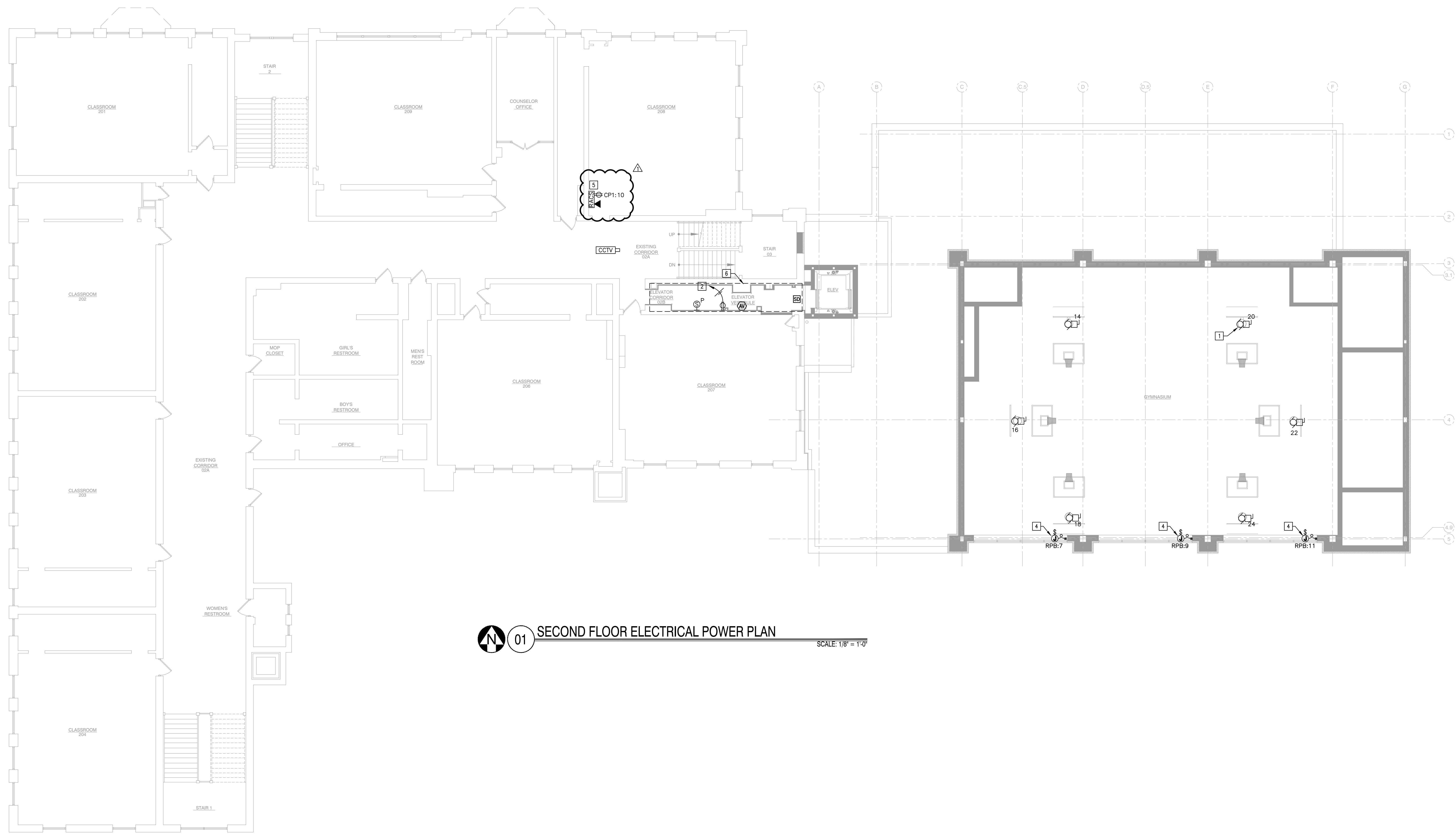
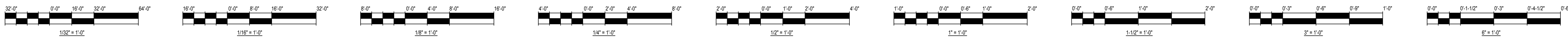
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PBC PROJECT NUMBER: #05075
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TITLE:
FIRST FLOOR ELECTRICAL POWER PLAN
 SHEET
EP01



01 SECOND FLOOR ELECTRICAL POWER PLAN SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES

- ALL WORK MUST COMPLY WITH NEC, NFPA, LIFE SAFETY AND LOCAL APPLICABLE CODES.
- ALL CONDUIT SHALL BE 3/4" EMT, MINIMUM.
- ALL WIRE SHALL BE MINIMUM OF #12 THIN COPPER.
- SEE ARCHITECTURAL DRAWINGS/ELEVATIONS FOR EXACT LOCATIONS OF ALL RECEPTACLES AND DEVICES.
- ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANELBOARD(S) TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 100'-0" ON 120/208V CIRCUITS.
- POWER AND DATA WALL OUTLETS/-BOXES MUST BE PROPERLY ALIGNED BETWEEN STUDS USING CADDY BRACKET OR APPROVED EQUAL WITH SPACING FOR (3) 4x4 I-BOXXES.
- ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT (EMT) IN CONCEALED SPACES (WALLS AND INACCESSIBLE CEILINGS).
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT.
- ALL CIRCUITS SHOWN SHALL BE FED FROM PANEL "RPA" U.O.N.

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROVED CABLE TESTS ON ALL HDMI CABLES AND PROVIDE WRITTEN RESULTS TO OPI. ALL HDMI CABLES SHALL MEET AND EXCEED INDUSTRY STANDARDS FOR HDMI CABLE PERFORMANCE (BASED ON THE HDMI SPECIFICATION VERSION OF THE SPECIFIED INSTALLED CABLE IS RATED TO). AN ANNUAL REPORT SHALL CONTAIN PICTURE CORROBORATION OF CONNECTIVITY BETWEEN ALL END POINTS OF HDMI OR DVI/HDMI LOCATIONS.

KEY NOTES

- PROVIDE 120V POWER FOR MOTORIZED BASKETBALL BACKSTOP (TYPICAL). ROUTE CONDUIT AND CONTROL WIRING TO BACKSTOP CONTROLLER (SHOWN ON FIRST FLOOR). VERIFY ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURER'S INSTRUCTIONS.
- TI INTO NEAREST NORMAL POWER RECEPTACLE CIRCUIT. VERIFY CIRCUIT HAS SUFFICIENT CAPACITY TO SUPPORT ADDITIONAL LOAD.
- NOT USED.
- PROVIDE 120V POWER FOR MOTORIZED SHADES. WIRE TO KEYSWITCH(S) SHOWN ON FIRST FLOOR. VERIFY ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURER'S INSTRUCTIONS.
- PROVIDE AND INSTALL TALK-A-PHONE MODEL ETP-100MS EMERGENCY HANDS-FREE TWO WAY PHONE FOR RESCUE ASSISTANCE. SEE DETAIL 1/EP11. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
- ALL EXISTING ELECTRICAL DEVICES AND LIGHTING SHALL BE REMOVED IN THIS AREA (IE PENDANT LIGHTS, RECESSED LIGHTS, SURFACE MOUNT LIGHTS, WALL SCENES, SWITCHES, RECEPTACLES, ETC.). REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX AND SAVE-OFF FOR RE-USE DURING REMODEL.



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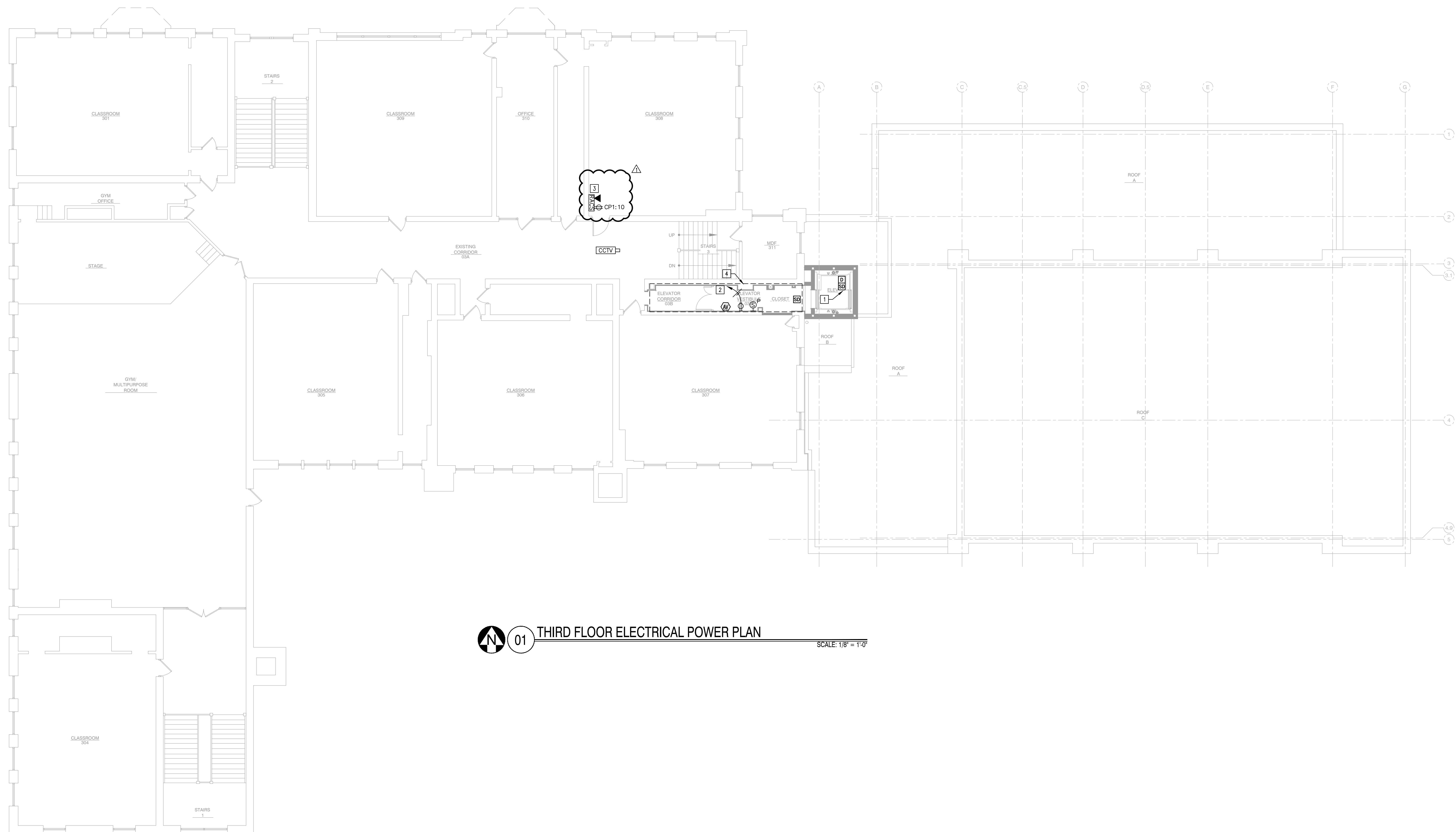
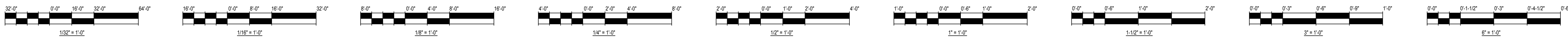
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PBC PROJECT NUMBER: #05075
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TITLE:
SECOND FLOOR ELECTRICAL POWER PLAN
 SHEET
EP02



01 THIRD FLOOR ELECTRICAL POWER PLAN SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES

- ALL WORK MUST COMPLY WITH NEC, NFPA, LIFE SAFETY AND LOCAL APPLICABLE CODES.
- ALL CONDUIT SHALL BE 3/4" EMT, MINIMUM.
- ALL WIRE SHALL BE MINIMUM OF #12 THIN COPPER.
- SEE ARCHITECTURAL DRAWINGS/ELEVATIONS FOR EXACT LOCATIONS OF ALL RECEPTACLES AND DEVICES.
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- POWER AND DATA WALL OUTLETS/J-BOXES MUST BE PROPERLY ALIGNED BETWEEN STUDS USING CADDY BRACKET OR APPROVED EQUAL WITH SPACING FOR (3) 4x4 J-BOXES.
- ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT (EMT) IN CONCEALED SPACES (WALLS AND INACCESSIBLE CEILINGS).
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT.

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROVED CABLE TESTS ON ALL HDMI CABLES AND PROVIDE WRITTEN RESULTS TO CPS. ALL HDMI CABLES SHALL MEET AND EXCEED INDUSTRY STANDARDS FOR HDMI CABLE PERFORMANCE (BASED ON THE HDMI SPECIFICATION VERSION OF THE SPECIFIED INSTALLED CABLE OR RATED TO). AT MINIMUM, REPORT SHALL CONTAIN PICTURE CONFIRMATION OF CONNECTIVITY BETWEEN ALL END POINTS OF HDMI OR DATA/HDMI LOCATIONS.

KEY NOTES

- HEAT AND SMOKE DETECTORS SHALL BE INSTALLED IN ELEVATOR HOUSTWAY. SMOKE DETECTOR ALARM SHALL ACTIVATE ELEVATOR RECALL. HEAT DETECTOR ALARM SHALL ACTIVATE ELEVATOR SHUT-DOWN.
- TIE INTO NEAREST NORMAL POWER RECEPTACLE CIRCUIT. VERIFY CIRCUIT HAS SUFFICIENT CAPACITY TO SUPPORT ADDITIONAL LOAD.
- PROVIDE AND INSTALL TALK-A-PHONE MODEL ETP-100MB EMERGENCY HANDS-FREE TWO WAY PHONE FOR RESCUE ASSISTANCE. SEE DETAIL 1/2511. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
- ALL EXISTING ELECTRICAL DEVICES AND LIGHTING SHALL BE REMOVED IN THIS AREA (E PENDANT LIGHTS, RECESSED LIGHTS, SURFACE MOUNT LIGHTS, WALL SCONES, SWITCHES, RECEPTACLES, ETC.). REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX AND SAFE-OFF FOR RE-USE DURING RENOVEL.



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TITLE:
THIRD FLOOR ELECTRICAL POWER PLAN

SHEET
EP03