

**Liberty School District – Storm Shelter Additions****Addendum No: 001****Description Narrative****September 15, 2023**

This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.

The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

**A. CONSTRUCTION MANAGER'S FRONT END MANUAL**

1. Prebid Agenda
2. Prebid Attendance Report
3. Epic Elementary Bid Schedule
4. Discovery & South Valley Bid Schedule
5. Epic Elementary Logistics Sheet
6. Discovery & South Valley Logistics Sheets

**B. OTHER****NA****C. SPECIFICATIONS**

1. Please reference the attached Addendum No. 001 issued by Hollis + Miller dated September 14, 2023, for updates to Specifications.

**D. DRAWINGS**

2. Please reference the attached Addendum No. 001 issued by Hollis + Miller dated September 14, 2023, for updates to Drawings.

Please direct any questions regarding the information in this addenda and the project to Newkirk Novak Construction Partners.



September 15, 2023

Liberty School District  
8 Victory Lane  
Liberty MO 64068

## Liberty School District – Storm Shelter Additions

### Project Locations

- Discovery Middle School – 800 Midjay Dr., Liberty MO 64068
- South Valley Middle School – 1000 Midjay Dr., Liberty MO 64068
- Epic Elementary School – 650 Conistor St., Liberty MO 64068

### Project Schedule:

- Proposed start date: February 2024. Completion date May 2025

### Bid Documents:

- Links to project plan room through Building Connected
- Bidding Documents are available by contacting Newkirk Novak Construction - Brandon Stanley ([Brandon.stanley@newkirknovak.com](mailto:Brandon.stanley@newkirknovak.com))

### Bid Proposal:

- Please see the form located in section 004123. **All bids shall be submitted on the bid form provided with an attached Scope of Work.**
- Bids will be received until **October 3<sup>rd</sup> at 2:00 PM** via online submission on Building Connected or via Sealed Envelope at District Support Services Building.

### Interpretation and Addenda:

- Addendum #1 – 09/15/2023
- Addendum #2 - TBD
- Requests for interpretations, clarifications, corrections, or changes to **all other bidding documents** must be made in writing at least **[seven (7) calendar days]** prior to the date for receipt of Bids. No Addenda will be issued later than **[two (2) business days]** prior to the date for receipt of Bids except for the limited situations set forth in the Instructions to Bidders.

### Bond Requirements:

- Performance and Payment Bond will be required from the awarded contractor
- Bid Bonds are required with bid submission

### Bid Alternates

- Discovery Middle School – Alt 1 – Replacement of existing ceiling tile.
- Epic Elementary School – Alt 1 - Replacement of existing ceiling tile
- South Valley Middle School – Alt 1 - Replacement of existing ceiling tile

### Prevailing Wages:

- Prevailing wages are required on this Project. Please reference section 007343 for further information and wage order.
- Certified Payroll will be submitted monthly with pay application.



**MBE/WBE Goals:**

- MBE/WBE goals are not required on this Project. However, it is requested that Bidders actively solicit minority contractors, suppliers, and their organizations.

**Taxes/Exemptions:**

- Bidders are advised this Project is tax exempt. A copy of the tax exemption will be furnished to each successful trade partner.

**Prebid Site Walks**

- If needed reach out to schedule.

**Bid Award**

- Tentatively end of October.

**Questions:**

- All questions should be directed to Newkirk Novak Construction Partners - Brandon Stanley ([Brandon.stanley@newkirknovak.com](mailto:Brandon.stanley@newkirknovak.com))



## 1. Summary

|                         |  |
|-------------------------|--|
| Meeting title           | Prebid Meeting - Discovery, South Valley, Epic Additions |
| Attended participants   |  |
| Start time              | 9/15/23, 9:40:44 AM                                      |
| End time                | 9/15/23, 10:21:17 AM                                     |
| Meeting duration        | 40m 32s  |
| Average attendance time | 12m 23s  |

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## 2. Participants

| Name                           | First Join           | Last Leave           | In-Meeting Duration | Email                            | Participant ID (UPN)             | Role      |
|--------------------------------|----------------------|----------------------|---------------------|----------------------------------|----------------------------------|-----------|
| Brandon Stanley - NNCP         | 9/15/23, 9:57:26 AM  | 9/15/23, 10:10:50 AM | 13m 24s             | brandon.stanley@newkirknovak.com | brandon.stanley@newkirknovak.com | Organizer |
| Kyle Dunwoodie                 | 9/15/23, 9:57:40 AM  | 9/15/23, 10:10:52 AM | 13m 12s             | kyle@rmckc.com                   | kyle@rmckc.com                   | Presenter |
| Justin Presson                 | 9/15/23, 9:57:40 AM  | 9/15/23, 10:10:47 AM | 13m 6s              |                                  |                                  | Presenter |
| Jacob (Bulldog Demo)           | 9/15/23, 9:57:40 AM  | 9/15/23, 10:10:50 AM | 13m 9s              |                                  |                                  | Presenter |
| Tony Spudic                    | 9/15/23, 9:57:40 AM  | 9/15/23, 10:10:55 AM | 13m 14s             | tony@remcodemo.com               | tony@remcodemo.com               | Presenter |
| Jason Breit (Guest)            | 9/15/23, 9:57:41 AM  | 9/15/23, 10:11:27 AM | 13m 45s             |                                  |                                  | Presenter |
| David Maxon                    | 9/15/23, 9:57:41 AM  | 9/15/23, 10:10:50 AM | 13m 9s              | dmaxon@i-solutionsllc.com        | dmaxon@i-solutionsllc.com        | Presenter |
| Kyle Harrity                   | 9/15/23, 9:57:41 AM  | 9/15/23, 10:10:49 AM | 13m 8s              | kharrity@bms.build               | kharrity@bms.build               | Presenter |
| Jason Rich                     | 9/15/23, 9:57:55 AM  | 9/15/23, 10:10:47 AM | 12m 51s             | jrich@citadelectric.com          | jrich@citadelectric.com          | Presenter |
| Jordan Bennett                 | 9/15/23, 9:57:55 AM  | 9/15/23, 10:10:52 AM | 12m 56s             | jordan.bennett@kcstructural.com  | jordan.bennett@kcstructural.com  | Presenter |
| Donnie w/EMI                   | 9/15/23, 9:57:55 AM  | 9/15/23, 10:10:49 AM | 12m 53s             |                                  |                                  | Presenter |
| Bill Latas                     | 9/15/23, 9:57:55 AM  | 9/15/23, 10:10:54 AM | 12m 59s             | blatas@Peikc.com                 | blatas@Peikc.com                 | Presenter |
| Kyle LaBarre                   | 9/15/23, 9:58:18 AM  | 9/15/23, 10:10:59 AM | 12m 40s             | klabarre@HollisandMiller.com     | klabarre@HollisandMiller.com     | Presenter |
| Tony Spudic                    | 9/15/23, 9:58:39 AM  | 9/15/23, 10:10:48 AM | 12m 8s              |                                  |                                  | Presenter |
| Maggie Loveall                 | 9/15/23, 9:59:09 AM  | 9/15/23, 10:10:55 AM | 11m 45s             |                                  |                                  | Presenter |
| Rick Spencer                   | 9/15/23, 9:59:09 AM  | 9/15/23, 10:10:48 AM | 11m 38s             | rspencer@fellersfoodservice.com  | DRS@fellersfoodservice.com       | Presenter |
| Bill Hart (Guest)              | 9/15/23, 9:59:10 AM  | 9/15/23, 10:09:58 AM | 10m 48s             |                                  |                                  | Presenter |
| Steve Aldrich (Guest)x         | 9/15/23, 9:59:57 AM  | 9/15/23, 10:10:45 AM | 10m 47s             |                                  |                                  | Presenter |
| Austin Brooks                  | 9/15/23, 10:00:33 AM | 9/15/23, 10:10:51 AM | 10m 18s             | austin.brooks@QUESTEC.US         | austin.brooks@QUESTEC.US         | Presenter |
| Chris Beletsky                 | 9/15/23, 10:00:42 AM | 9/15/23, 10:10:48 AM | 10m 6s              | Chris.Beletsky@dhpac.com         | Chris.Beletsky@dhpac.com         | Presenter |
| Mary Detrick - Eiberger Const. | 9/15/23, 10:00:49 AM | 9/15/23, 10:10:12 AM | 9m 22s              |                                  |                                  | Presenter |
| Nick Kisner                    | 9/15/23, 10:01:18 AM | 9/15/23, 10:21:17 AM | 19m 58s             | nkisner@siterite1.com            | nkisner@siterite1.com            | Presenter |
| Chris Evinger                  | 9/15/23, 10:03:25 AM | 9/15/23, 10:11:03 AM | 7m 38s              | chrise@rmckc.com                 | chrise@rmckc.com                 | Presenter |

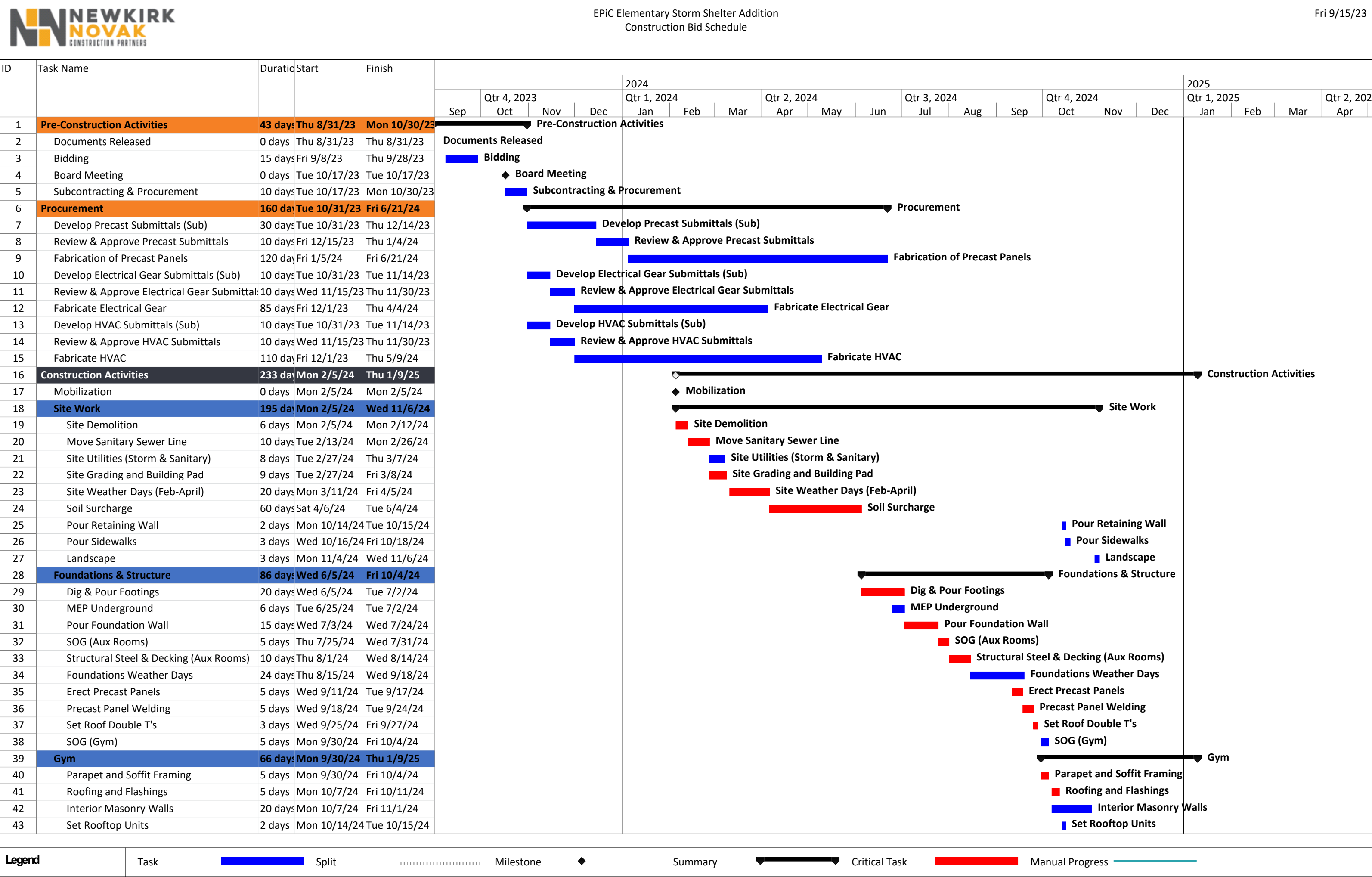
## 3. In-Meeting Activities

| Name                   | Join Time            | Leave Time           | Duration | Email                            | Role      |
|------------------------|----------------------|----------------------|----------|----------------------------------|-----------|
| Brandon Stanley - NNCP | 9/15/23, 9:57:26 AM  | 9/15/23, 10:10:50 AM | 13m 24s  | brandon.stanley@newkirknovak.com | Organizer |
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|                                |                      |                      |         |                       |           |
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Legend

Task

Split

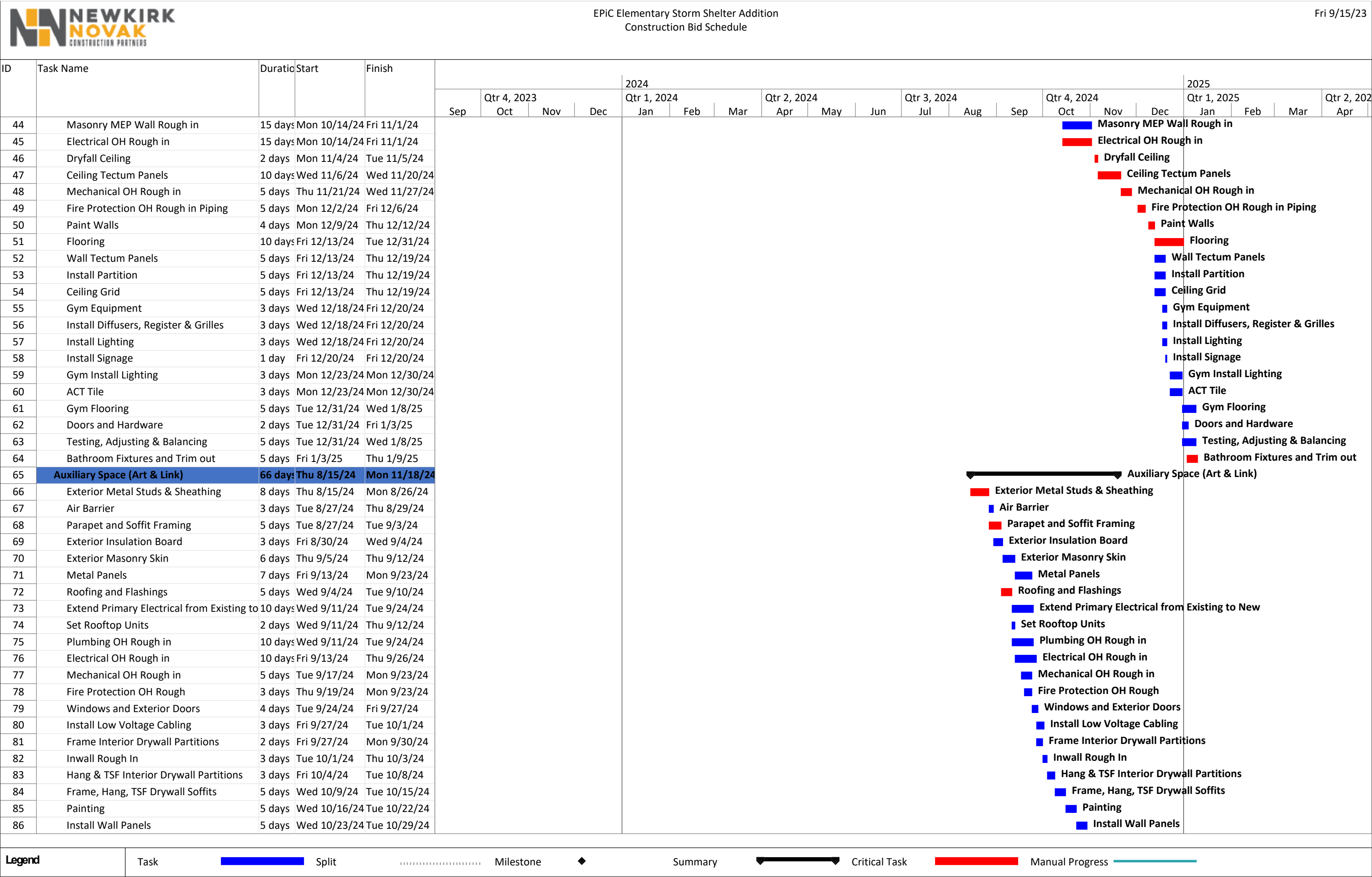
Milestone

Summary

Critical Task

Manual Progress





Legend

Task

Split

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Milestone

◆

Summary

Critical Task

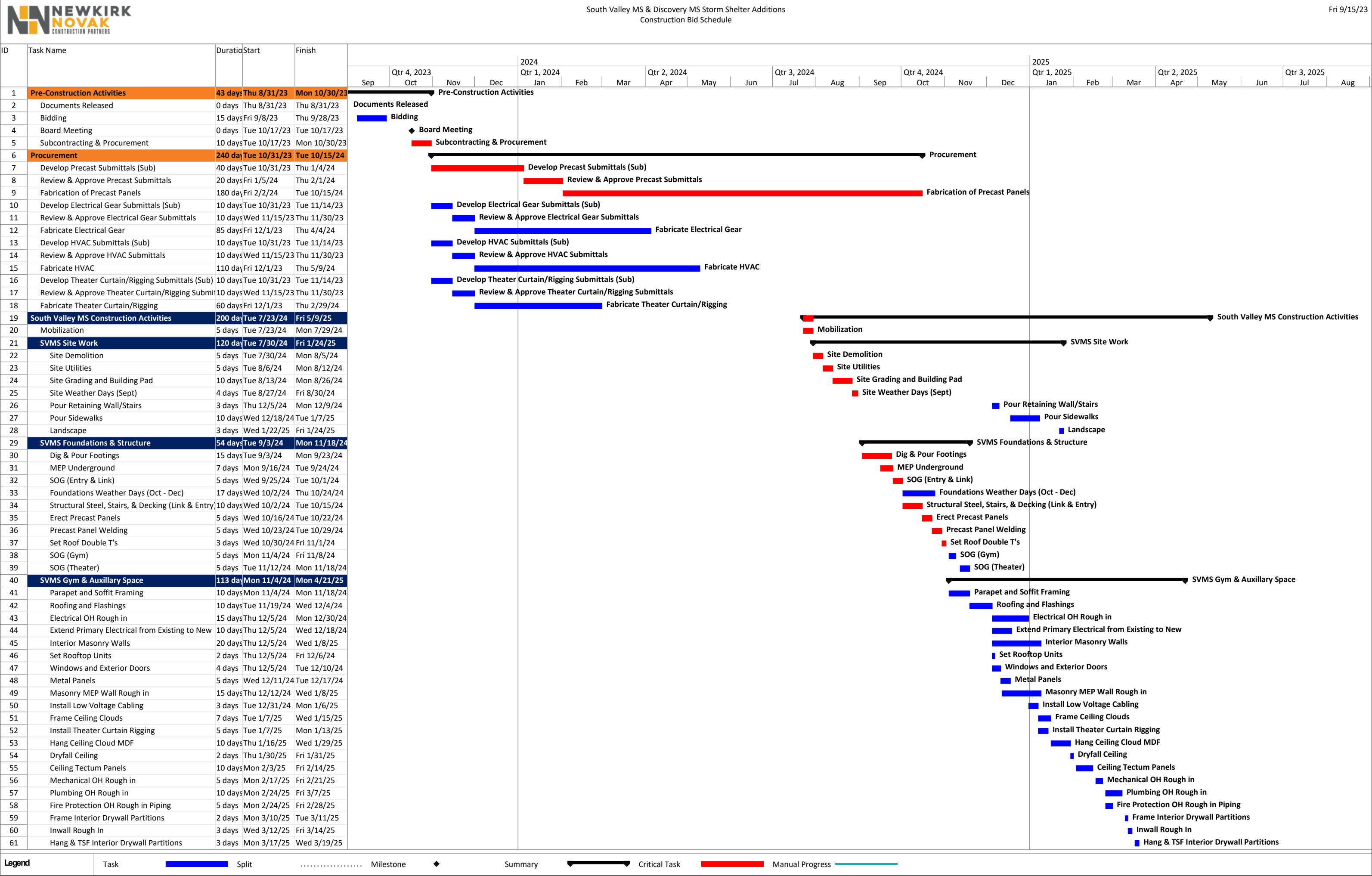
Manual Progress



| ID  | Task Name                             | Duration | Start        | Finish       | 2024                      |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     | 2025 |             |   |  |
|-----|---------------------------------------|----------|--------------|--------------|---------------------------|---------------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|------|-------------|---|--|
|     |                                       |          |              |              | Qtr 4, 2023               |                     |     |     | Qtr 1, 2024 |     |     | Qtr 2, 2024 |     |     | Qtr 3, 2024 |     |     | Qtr 4, 2024 |     |     | Qtr 1, 2025 |     |      | Qtr 2, 2025 |   |  |
|     |                                       |          |              |              | Sep                       | Oct                 | Nov | Dec | Jan         | Feb | Mar | Apr         | May | Jun | Jul         | Aug | Sep | Oct         | Nov | Dec | Jan         | Feb | Mar  | Apr         |   |  |
| 87  | Wall Tile                             | 3 days   | Wed 10/23/24 | Fri 10/25/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             |   |  |
| 88  | Ceiling Grid                          | 5 days   | Wed 10/23/24 | Tue 10/29/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Wall Tile                             |  |
| 89  | Trim Out Devices                      | 5 days   | Wed 10/23/24 | Tue 10/29/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Ceiling Grid                          |  |
| 90  | Install Diffusers, Register & Grilles | 3 days   | Mon 10/28/24 | Wed 10/30/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Trim Out Devices                      |  |
| 91  | Install Lighting                      | 3 days   | Mon 10/28/24 | Wed 10/30/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Install Diffusers, Register & Grilles |  |
| 92  | ACT Tile                              | 3 days   | Wed 10/30/24 | Fri 11/1/24  |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Install Lighting                      |  |
| 93  | Install Signage                       | 1 day    | Wed 10/30/24 | Wed 10/30/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ ACT Tile                              |  |
| 94  | Flooring                              | 10 days  | Thu 10/31/24 | Thu 11/14/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Install Signage                       |  |
| 95  | Testing, Adjusting & Balancing        | 5 days   | Thu 10/31/24 | Wed 11/6/24  |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Flooring                              |  |
| 96  | Doors and Hardware                    | 2 days   | Fri 11/15/24 | Mon 11/18/24 |                           |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             | ■ Testing, Adjusting & Balancing        |  |
| 97  | Closeout Activities                   | 15 days  | Fri 1/10/25  | Thu 1/30/25  | ■ Doors and Hardware      | Closeout Activities |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             |   |  |
| 98  | TCO Testing/Life Safety               | 7 days   | Fri 1/10/25  | Mon 1/20/25  | ■ TCO Testing/Life Safety |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             |   |  |
| 99  | Punchlist                             | 10 days  | Fri 1/10/25  | Thu 1/23/25  | ■ Punchlist               |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             |   |  |
| 100 | Substantial Completion                | 0 days   | Thu 1/23/25  | Thu 1/23/25  | ◆ Substantial Completion  |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             |   |  |
| 101 | Owner Furniture Move in               | 5 days   | Fri 1/24/25  | Thu 1/30/25  | ■ Owner Furniture Move in |                     |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |      |             |   |  |

**Legend** Task  Split  Milestone  Summary  Critical Task  Manual Progress 





Legend

Task

Split

Milestone

Summary

Critical Task

Manual Progress



| ID  | Task Name  | Duration | Start        | Finish       | Timeline  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
|-----|--|----------|--------------|--------------|---|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|--|--|--|--|
|     |  |          |              |              |   |                    |     |     | 2024               |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     | 2025               |     |  |  |  |  |
|     |  |          |              |              | Sep   | Qtr 4, 2023<br>Oct | Nov | Dec | Qtr 1, 2024<br>Jan | Feb | Mar | Qtr 2, 2024<br>Apr | May | Jun | Qtr 3, 2024<br>Jul | Aug | Sep | Qtr 4, 2024<br>Oct | Nov | Dec | Qtr 1, 2025<br>Jan | Feb | Mar | Qtr 2, 2025<br>Apr | May | Jun | Qtr 3, 2025<br>Jul | Aug |  |  |  |  |
| 62  | Paint Walls  | 4 days   | Thu 3/20/25  | Tue 3/25/25  | <div><div></div><div>Paint Walls</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 63  | Gym Wall Tectum Panels                             | 5 days   | Wed 3/26/25  | Tue 4/1/25   | <div><div></div><div>Gym Wall Tectum Panels</div></div>                                     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 64  | Ceiling Grid                                       | 5 days   | Wed 3/26/25  | Tue 4/1/25   | <div><div></div><div>Ceiling Grid</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 65  | Gym Equipment                                      | 3 days   | Mon 3/31/25  | Wed 4/2/25   | <div><div></div><div>Gym Equipment</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 66  | Install Diffusers, Register & Grilles              | 3 days   | Mon 3/31/25  | Wed 4/2/25   | <div><div></div><div>Install Diffusers, Register &amp; Grilles</div></div>                  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 67  | Install Lighting                                   | 3 days   | Mon 3/31/25  | Wed 4/2/25   | <div><div></div><div>Install Lighting</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 68  | Install Wall Panels                                | 5 days   | Wed 4/2/25   | Tue 4/8/25   | <div><div></div><div>Install Wall Panels</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 69  | Gym Install Lighting                               | 3 days   | Thu 4/3/25   | Mon 4/7/25   | <div><div></div><div>Gym Install Lighting</div></div>                                       |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 70  | ACT Tile   | 3 days   | Thu 4/3/25   | Mon 4/7/25   | <div><div></div><div>ACT Tile</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 71  | Gym Flooring                                       | 5 days   | Tue 4/8/25   | Mon 4/14/25  | <div><div></div><div>Gym Flooring</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 72  | Install Theater Curtain                            | 3 days   | Tue 4/8/25   | Thu 4/10/25  | <div><div></div><div>Install Theater Curtain</div></div>                                    |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 73  | Flooring   | 5 days   | Tue 4/8/25   | Mon 4/14/25  | <div><div></div><div>Flooring</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 74  | Doors and Hardware                                 | 2 days   | Tue 4/8/25   | Wed 4/9/25   | <div><div></div><div>Doors and Hardware</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 75  | Testing, Adjusting & Balancing                     | 5 days   | Tue 4/8/25   | Mon 4/14/25  | <div><div></div><div>Testing, Adjusting &amp; Balancing</div></div>                         |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 76  | Wall Tile  | 3 days   | Wed 4/9/25   | Fri 4/11/25  | <div><div></div><div>Wall Tile</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 77  | Bathroom Fixtures and Trim out                     | 5 days   | Mon 4/14/25  | Fri 4/18/25  | <div><div></div><div>Bathroom Fixtures and Trim out</div></div>                             |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 78  | Install Signage                                    | 5 days   | Mon 4/14/25  | Fri 4/18/25  | <div><div></div><div>Install Signage</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 79  | Install Bleachers                                  | 5 days   | Tue 4/15/25  | Mon 4/21/25  | <div><div></div><div>Install Bleachers</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 80  | Trim Out Devices                                   | 3 days   | Tue 4/15/25  | Thu 4/17/25  | <div><div></div><div>Trim Out Devices</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 81  | SVMS Closeout Activities                           | 15 days  | Mon 4/21/25  | Fri 5/9/25   | <div><div></div><div>SVMS Closeout Activities</div></div>                                   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 82  | TCO Testing/Life Safety                            | 7 days   | Mon 4/21/25  | Tue 4/29/25  | <div><div></div><div>TCO Testing/Life Safety</div></div>                                    |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 83  | Punchlist  | 10 days  | Mon 4/21/25  | Fri 5/2/25   | <div><div></div><div>Punchlist</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 84  | Substantial Completion                             | 0 days   | Fri 5/2/25   | Fri 5/2/25   | <div><div></div><div>Substantial Completion</div></div>                                     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 85  | Owner Furniture Move in                            | 5 days   | Mon 5/5/25   | Fri 5/9/25   | <div><div></div><div>Owner Furniture Move in</div></div>                                    |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 86  | Discovery MS Construction Activities               | 204 days | Mon 8/5/24   | Wed 5/28/25  | <div><div></div><div>Discovery MS Construction Activities</div></div>                       |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 87  | Mobilization                                       | 5 days   | Mon 8/5/24   | Fri 8/9/24   | <div><div></div><div>Mobilization</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 88  | DMS Site Work                                      | 124 days | Mon 8/12/24  | Wed 2/12/25  | <div><div></div><div>DMS Site Work</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 89  | Site Demolition                                    | 5 days   | Mon 8/12/24  | Fri 8/16/24  | <div><div></div><div>Site Demolition</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 90  | Site Utilities                                     | 5 days   | Mon 8/19/24  | Fri 8/23/24  | <div><div></div><div>Site Utilities</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 91  | Site Grading and Building Pad                      | 10 days  | Mon 8/26/24  | Mon 9/9/24   | <div><div></div><div>Site Grading and Building Pad</div></div>                              |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 92  | Site Weather Days (Sept)                           | 4 days   | Tue 9/10/24  | Fri 9/13/24  | <div><div></div><div>Site Weather Days (Sept)</div></div>                                   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 93  | Pour Retaining Wall/Stairs                         | 3 days   | Fri 12/27/24 | Tue 12/31/24 | <div><div></div><div>Pour Retaining Wall/Stairs</div></div>                                 |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 94  | Pour Sidewalks                                     | 10 days  | Mon 1/13/25  | Fri 1/24/25  | <div><div></div><div>Pour Sidewalks</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 95  | Landscape  | 3 days   | Mon 2/10/25  | Wed 2/12/25  | <div><div></div><div>Landscape</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 96  | DMS Foundations & Structure                        | 57 days  | Tue 9/17/24  | Mon 12/9/24  | <div><div></div><div>DMS Foundations &amp; Structure</div></div>                            |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 97  | Dig & Pour Footings                                | 15 days  | Tue 9/17/24  | Mon 10/7/24  | <div><div></div><div>Dig &amp; Pour Footings</div></div>                                    |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 98  | MEP Underground                                    | 7 days   | Mon 9/30/24  | Tue 10/8/24  | <div><div></div><div>MEP Underground</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 99  | SOG (Entry & Link)                                 | 5 days   | Wed 10/9/24  | Tue 10/15/24 | <div><div></div><div>SOG (Entry &amp; Link)</div></div>                                     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 100 | Foundations Weather Days (Oct - Dec)               | 17 days  | Wed 10/16/24 | Thu 11/7/24  | <div><div></div><div>Foundations Weather Days (Oct - Dec)</div></div>                       |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 101 | Structural Steel, Stairs, & Decking (Link & Entry) | 10 days  | Wed 10/16/24 | Tue 10/29/24 | <div><div></div><div>Structural Steel, Stairs, &amp; Decking (Link &amp; Entry)</div></div> |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 102 | Erect Precast Panels                               | 5 days   | Mon 11/4/24  | Fri 11/8/24  | <div><div></div><div>Erect Precast Panels</div></div>                                       |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 103 | Precast Panel Welding                              | 5 days   | Tue 11/12/24 | Mon 11/18/24 | <div><div></div><div>Precast Panel Welding</div></div>                                      |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 104 | Set Roof Double T's                                | 3 days   | Tue 11/19/24 | Thu 11/21/24 | <div><div></div><div>Set Roof Double T's</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 105 | SOG (Gym)  | 5 days   | Fri 11/22/24 | Mon 12/2/24  | <div><div></div><div>SOG (Gym)</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 106 | SOG (Theater)                                      | 5 days   | Tue 12/3/24  | Mon 12/9/24  | <div><div></div><div>SOG (Theater)</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 107 | DMS Gym & Auxillary Space                          | 113 days | Fri 11/22/24 | Thu 5/8/25   | <div><div></div><div>DMS Gym &amp; Auxillary Space</div></div>                              |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 108 | Parapet and Soffit Framing                         | 10 days  | Fri 11/22/24 | Mon 12/9/24  | <div><div></div><div>Parapet and Soffit Framing</div></div>                                 |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 109 | Roofing and Flashings                              | 10 days  | Tue 12/10/24 | Mon 12/23/24 | <div><div></div><div>Roofing and Flashings</div></div>                                      |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 110 | Electrical OH Rough in                             | 15 days  | Fri 12/27/24 | Mon 1/20/25  | <div><div></div><div>Electrical OH Rough in</div></div>                                     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 111 | Extend Primary Electrical from Existing to New     | 10 days  | Fri 12/27/24 | Mon 1/13/25  | <div><div></div><div>Extend Primary Electrical from Existing to New</div></div>             |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 112 | Interior Masonry Walls                             | 20 days  | Fri 12/27/24 | Mon 1/27/25  | <div><div></div><div>Interior Masonry Walls</div></div>                                     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 113 | Set Rooftop Units                                  | 2 days   | Fri 12/27/24 | Mon 12/30/24 | <div><div></div><div>Set Rooftop Units</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 114 | Windows and Exterior Doors                         | 4 days   | Fri 12/27/24 | Fri 1/3/25   | <div><div></div><div>Windows and Exterior Doors</div></div>                                 |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 115 | Metal Panels                                       | 5 days   | Mon 1/6/25   | Fri 1/10/25  | <div><div></div><div>Metal Panels</div></div>   |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 116 | Masonry MEP Wall Rough in                          | 15 days  | Tue 1/7/25   | Mon 1/27/25  | <div><div></div><div>Masonry MEP Wall Rough in</div></div>                                  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 117 | Install Low Voltage Cabling                        | 3 days   | Tue 1/21/25  | Thu 1/23/25  | <div><div></div><div>Install Low Voltage Cabling</div></div>                                |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 118 | Frame Ceiling Clouds                               | 7 days   | Fri 1/24/25  | Mon 2/3/25   | <div><div></div><div>Frame Ceiling Clouds</div></div>                                       |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 119 | Install Theater Curtain Rigging                    | 5 days   | Fri 1/24/25  | Thu 1/30/25  | <div><div></div><div>Install Theater Curtain Rigging</div></div>                            |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 120 | Hang Ceiling Cloud MDF                             | 10 days  | Tue 2/4/25   | Mon 2/17/25  | <div><div></div><div>Hang Ceiling Cloud MDF</div></div>                                     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 121 | Dryfall Ceiling                                    | 2 days   | Tue 2/18/25  | Wed 2/19/25  | <div><div></div><div>Dryfall Ceiling</div></div>  |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |
| 122 | Ceiling Tectum Panels                              | 10 days  | Thu 2/20/25  | Wed 3/5/25   | <div><div></div><div>Ceiling Tectum Panels</div></div>                                      |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |  |  |  |



| <div><div></div><div>NEWKIRK<br/>NOVAK<br/>CONSTRUCTION PARTNERS</div></div> |  | South Valley MS & Discovery MS Storm Shelter Additions<br>Construction Bid Schedule |             |             |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  | Fri 9/15/23 |  |  |  |  |  |  |  |  |  |  |
|--|--|---|-------------|-------------|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|--|-------------|--|--|--|--|--|--|--|--|--|--|
| ID   | Task Name                              | Duratio   | Start       | Finish      |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
|  |  |   |             |             |     |                    |     |     | 2024               |     |     |                    |     |     |                    |     |     |                    |     |     | 2025               |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
|  |  |   |             |             | Sep | Qtr 4, 2023<br>Oct | Nov | Dec | Qtr 1, 2024<br>Jan | Feb | Mar | Qtr 2, 2024<br>Apr | May | Jun | Qtr 3, 2024<br>Jul | Aug | Sep | Qtr 4, 2024<br>Oct | Nov | Dec | Qtr 1, 2025<br>Jan | Feb | Mar | Qtr 2, 2025<br>Apr | May | Jun | Qtr 3, 2025<br>Jul | Aug |  |             |  |  |  |  |  |  |  |  |  |  |
| 123  | Mechanical OH Rough in                 | 5 days  | Thu 3/6/25  | Wed 3/12/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 124  | Plumbing OH Rough in                   | 10 days   | Thu 3/13/25 | Wed 3/26/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 125  | Fire Protection OH Rough in Piping     | 5 days  | Thu 3/13/25 | Wed 3/19/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 126  | Frame Interior Drywall Partitions      | 2 days  | Thu 3/27/25 | Fri 3/28/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 127  | Inwall Rough In                        | 3 days  | Mon 3/31/25 | Wed 4/2/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 128  | Hang & TSF Interior Drywall Partitions | 3 days  | Thu 4/3/25  | Mon 4/7/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 129  | Paint Walls                            | 4 days  | Tue 4/8/25  | Fri 4/11/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 130  | Gym Wall Tectum Panels                 | 5 days  | Mon 4/14/25 | Fri 4/18/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 131  | Ceiling Grid                           | 5 days  | Mon 4/14/25 | Fri 4/18/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 132  | Gym Equipment                          | 3 days  | Thu 4/17/25 | Mon 4/21/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 133  | Install Diffusers, Register & Grilles  | 3 days  | Thu 4/17/25 | Mon 4/21/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 134  | Install Lighting                       | 3 days  | Thu 4/17/25 | Mon 4/21/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 135  | Install Wall Panels                    | 5 days  | Mon 4/21/25 | Fri 4/25/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 136  | Gym Install Lighting                   | 3 days  | Tue 4/22/25 | Thu 4/24/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 137  | ACT Tile                               | 3 days  | Tue 4/22/25 | Thu 4/24/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 138  | Gym Flooring                           | 5 days  | Fri 4/25/25 | Thu 5/1/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 139  | Install Theater Curtain                | 3 days  | Fri 4/25/25 | Tue 4/29/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 140  | Flooring                               | 5 days  | Fri 4/25/25 | Thu 5/1/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 141  | Doors and Hardware                     | 2 days  | Fri 4/25/25 | Mon 4/28/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 142  | Testing, Adjusting & Balancing         | 5 days  | Fri 4/25/25 | Thu 5/1/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 143  | Wall Tile                              | 3 days  | Mon 4/28/25 | Wed 4/30/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 144  | Bathroom Fixtures and Trim out         | 5 days  | Thu 5/1/25  | Wed 5/7/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 145  | Install Signage                        | 5 days  | Thu 5/1/25  | Wed 5/7/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 146  | Install Bleachers                      | 5 days  | Fri 5/2/25  | Thu 5/8/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 147  | Trim Out Devices                       | 3 days  | Fri 5/2/25  | Tue 5/6/25  |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 148  | DMS Closeout Activities                | 15 days   | Thu 5/8/25  | Wed 5/28/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 149  | TCO Testing/Life Safety                | 7 days  | Thu 5/8/25  | Fri 5/16/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 150  | Punchlist                              | 10 days   | Thu 5/8/25  | Wed 5/21/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 151  | Substantial Completion                 | 0 days  | Wed 5/21/25 | Wed 5/21/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |
| 152  | Owner Furniture Move in                | 5 days  | Thu 5/22/25 | Wed 5/28/25 |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |     |                    |     |  |             |  |  |  |  |  |  |  |  |  |  |

Mechanical OH Rough in

Plumbing OH Rough in

Fire Protection OH Rough in Piping

Frame Interior Drywall Partitions

Inwall Rough In

Hang & TSF Interior Drywall Partitions

Paint Walls

Gym Wall Tectum Panels

Ceiling Grid

Gym Equipment

Install Diffusers, Register & Grilles

Install Lighting

Install Wall Panels

Gym Install Lighting

ACT Tile

Gym Flooring

Install Theater Curtain

Flooring

Doors and Hardware

Testing, Adjusting & Balancing

Wall Tile

Bathroom Fixtures and Trim out

Install Signage

Install Bleachers

Trim Out Devices

DMS Closeout Activities

TCO Testing/Life Safety

Punchlist

Substantial Completion

Owner Furniture Move in

Legend

Task

Split

.....

Milestone

◆

Summary

Critical Task

Manual Progress



# Epic Elementary Logistics

Laydown Area

Trailer

Temp Culvert

PROPOSED BUILDING  
FFE=844.43

EXISTING BUILDING

CONISTOR ST





Construction  
Parking & Lay  
Down

PRIVATE DRIVE

# Discovery Middle School

EXISTING  
BUILDING

MIDJAY DR

PROPOSED  
BUILDING  
FFE=812.91







MIDJAY DR

PROPOSED  
BUILDING  
FFE=807.90

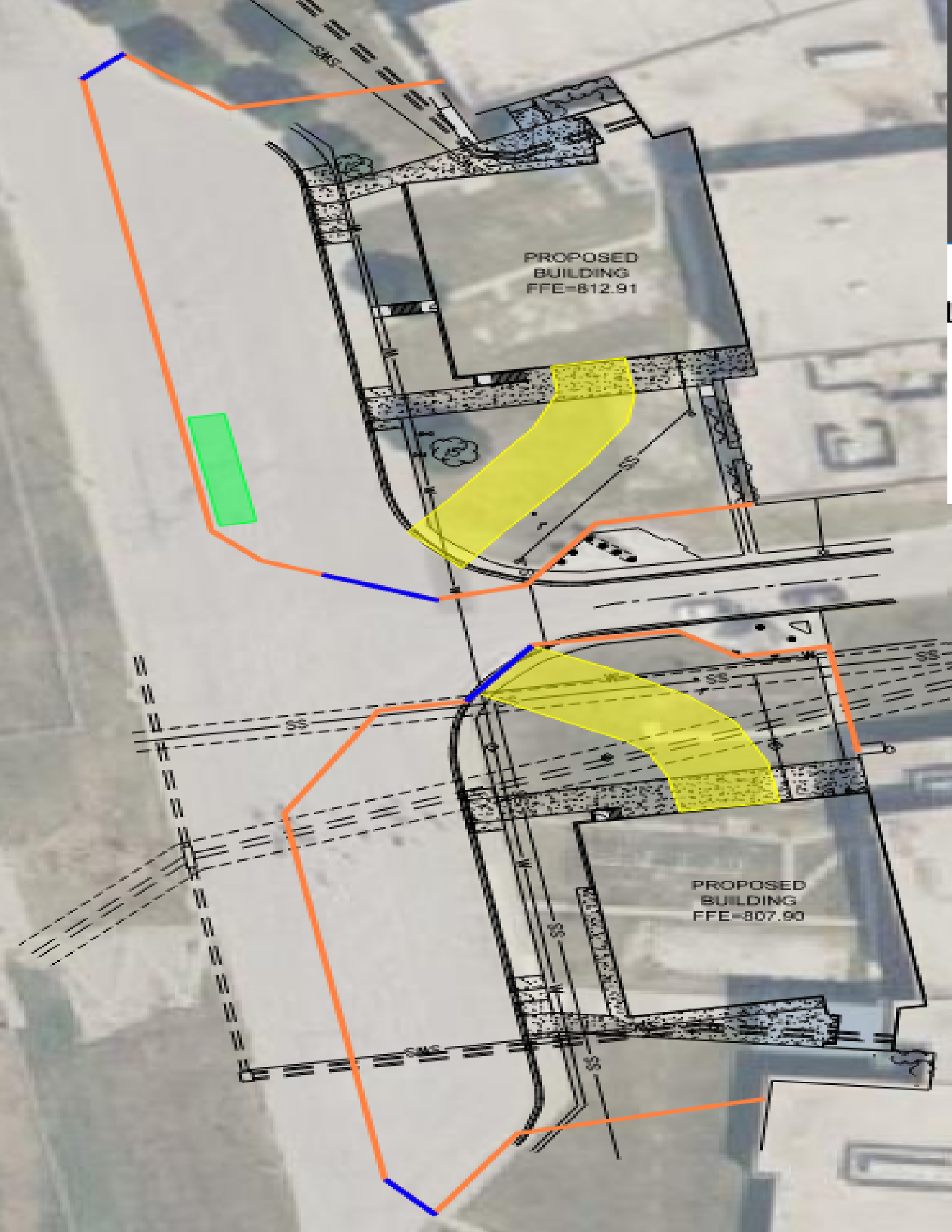
EXISTING  
BUILDING

South Valley Middle School

PRIVATE DR

Construction  
Parking & Lay  
Down





PROPOSED  
BUILDING  
FFE=812.91

PROPOSED  
BUILDING  
FFE=807.90



**ADDENDUM NO. 01**

Issued: 09/14/2023

Project: 23018 - Discovery Middle School, 800 Midjay Drive, Liberty, Missouri 64068  
23019 - South Valley Middle School, 1000 Midjay Drive, Liberty, Missouri 64068  
23020 - EPiC Elementary School, 650 Conister Street, Liberty, Missouri 64068

Owner: Liberty Public Schools  
8 Victory Lane  
Liberty, MO 64068

Bidding Documents Issued: 08/31/2023

This Addendum includes these 4 pages and the following attachments:

**Project Manual:**

Reissued Section 000105 "Certifications Page" consisting of 2 pages.  
Reissued Section 000110 "Table of Contents" consisting of 6 pages.  
New Geotechnical Report Addendum #1 for Section 003132 "Geotechnical Data" consisting of 3 pages.  
Reissued Section 116623 "Gymnasium Equipment" consisting of 10 pages.  
Refer to Smith & Boucher, MEP Addendum No. 1.  
Refer to Peerbolte Theatrical Addendum No. 1.

**Drawings:**

**23018 - Discovery Middle School**

Revised Sheets: G102, A101, A201, A371, A411, A501, A622, A661, A662, A720  
Refer to Smith & Boucher, Structural Addendum No. 1  
Refer to Peerbolte Creative, Theatrical Addendum No. 1

**23019 – South Valley Middle School**

Revised Architectural Sheets: DA101, A101, A101A, A141, A201, A371, A411, A501, A622, A661  
Refer to Bob D. Campbell, Structural Addendum No. 1  
Refer to Smith & Boucher, Structural Addendum No. 1  
Refer to Peerbolte Creative, Theatrical Addendum No. 1

**23020 – EPiC Elementary School**

Refer to MKEC, Civil Addendum No. 1  
Refer to Bob D. Campbell, Structural Addendum No. 1  
Refer to Smith & Boucher, Structural Addendum No. 1





## **PROJECT MANUAL REVISIONS**

### **A13 SECTION 000005 – CERTIFICATIONS PAGE**

- A13.1 REPLACE existing Section 000005 “Certifications Page” with the attached revised Section 000005 “Certifications Page”, dated September 14, 2023.

### **A14 SECTION 000110 - TABLE OF CONTENTS**

- A14.1 REPLACE existing Section 000110 “Table of Contents” with the attached revised Section 000110 “Table of Contents”, dated September 14, 2023.

### **A15 SECTION 003132 - GEOTECHNICAL DATA**

- A15.1 INSERT New Geotechnical Report Addendum #1 at the end of existing Section 003132 “Geotechnical Data” with the attached revised Section 003132 “Geotechnical Data”, dated September 14, 2023.

### **A16 SECTION 116623 – GYMNASIUM EQUIPMENT**

- A16.1 REPLACE existing Section 116623 “Gymnasium Equipment” with the attached revised Section 116623 “Gymnasium Equipment,” dated September 14, 2023.

### **C1 REFERENCE ATTACHED CIVIL ADDENDUM NO. 1**

### **M1 REFERENCE ATTACHED MEP ADDENDUM NO. 1**

### **E1 REFERENCE ATTACHED MEP ADDENDUM NO. 1**

### **P1 REFERENCE ATTACHED MEP ADDENDUM NO. 1**

## **DRAWINGS REVISIONS – 23018 Discovery Middle School**

### **A17 SHEET G102 – ENLARGED CODE PLAN – STORM SHELTER PLAN**

- A17.1 REPLACE Sheet G102, with attached Sheet G102, dated 09/14/2023. REMOVED note in N1/G102. REMOVED curtains for clarity and UPDATED capacity in A1/G102.

### **A18 SHEET A101 – FLOOR PLAN – LEVEL 1 – OVERALL**

- A18.1 REPLACE Sheet A101 with attached Sheet A101, dated 09/14/2023. ADDED door tags to reference schedule.

### **A19 SHEET A101A – FLOOR PLAN – LEVEL 1 – AREA A**

- A19.1 REVISE A1/A101A, ADDED door tags to existing doors referenced in DOOR SCHEDULE.

### **A20 SHEET A201 – EXTERIOR ELEVATION - OVERALL**

- A20.1 REPLACE sheet A201 with attached sheet A201, dated 09/14/2023. ADDED note to ELEVATION A1/A201 and A9/A201 to clarify thin brick.



**A22 SHEET A371 – EXTERIOR DETAILS**

A22.1 REPLACE sheet A371, with attached sheet A371, dated 09/14/2023. ADDED keynotes and blocking to A12/A371 and G12/A371. REVISE detail M11/A371.

**A23 SHEET A411 – VERTICAL CIRCULATION & ENLARGED PLANS**

A23.1 REVISE A1/A411, REMOVED unnecessary detail components and dimensions at Grid B.

**A24 SHEET A501 – DOOR SCHEDULE, DOOR TYPES, FRAME TYPES & DETAILS**

A24.1 REPLACED Sheet A501, with attached Sheet A501, dated 09/14/2023. REVISE K1/A501 and K3/A501, UPDATED elevation number to G1/A501 and G3/A501 to correspond to the correct location on sheet. Moved Door Type F1 to fit in detail box. REVISE Door D-A100a and D-A100b in DOOR SCHEDULE to receive frame material ALUM.

**A25 SHEET A622 – INTERIOR ELEVATION**

A25.1 REPLACED sheet A622, with attached Sheet A622, dated 09/14/2023. REVISE ELEVATION G1/A622, ADDED keynote directing to specification, changed scoreboard size, and Panel Type AP1 around scoreboard.

**A26 SHEET A661 – INTERIOR DETAILS**

A26.1 REVISE J11/A661, moved detail to avoid text and line overlap.

**A27 SHEET A662 – INTERIOR DETAILS**

A27.1 REVISE L10/A662, UPDATED detail number from L10/A662 to L9/A662 to correspond to the correct location on sheet.

**E2 REFERENCE ATTACHED MEP ADDENDUM NO. 1**

**DRAWINGS REVISIONS – 23019 South Valley Middle School**

**A28 SHEET G102 – ENLARGED CODE PLAN – STORM SHELTER PLAN**

A28.1 REVISE A1/G102. REMOVED curtains for clarity.

**A29 SHEET AD101 – DEMOLITION FLOOR PLAN – OVERALL - LEVEL 1**

A29.1 REPLACE Sheet A101 with attached Sheet A101, dated 09/14/2023.

**A30 SHEET A101 – FLOOR PLAN – LEVEL 1 – OVERALL**

A30.1 REPLACE Sheet A101 with attached Sheet A101, dated 09/14/2023. ADDED door tags to reference schedule.

**A31 SHEET A101A – FLOOR PLAN – LEVEL 1 – AREA A**

A31.1 REPLACE sheet A101A with attached Sheet A101A, dated 09/14/2023.

**A32 SHEET A141 – ROOF PLAN**

A32.1 REPLACE Sheet A141 with attached Sheet A141, dated 09/14/2023.



**A34 SHEET A201 – EXTERIOR ELEVATION - OVERALL**

A34.1 REPLACE sheet A201 with attached sheet A201, dated 09/14/2023. REVISE ELEVATION L13 to show 2" expansion joint location and reveal spacing. ADDED note on A1/A201 to clarify thin brick.

**A35 SHEET A363 – EXTERIOR DETAIL**

A35.1 REPLACED sheet A363 with attached sheet A363, dated 09/14/2023. REVISE Detail A7/A363, to reflect plan changes from A101A

**A36 SHEET A371 – EXTERIOR DETAIL**

A36.1 REPLACE sheet A371 with attached sheet A371, dated 09/14/2023. REVISED detail A1/A371, G1/A371, N1/A371, N7/A371 to reflect plan changes from A101A and expansion joint. ADDED keynotes to detail G12/A371

**A37 SHEET A411 – VERTICAL CIRCULATION & ENLARGED PLANS**

A37.1 REPLACE sheet A411 with attached sheet A411, dated 09/14/2023. REVISE plan A9.

**A38 SHEET A412 – VERTICAL CIRCULATION & ENLARGED PLANS**

A38.1 REMOVED unknow object in Stage A108 in plan A11.

**A39 SHEET A501 – DOOR SCHEDULE, DOOR TYPES & FRAME TYPES**

A39.1 REPLACED Sheet A501, with attached Sheet A501, dated 09/14/2023. REVISE DOOR SCHEDULE to include existing doors in existing gymnasium and Removed comments in schedule as required for clarification. REVISE ELEVATION K12, Glass panel to be: Glass Type 12 – Fully-Tempered Monolithic Float Glass (088000.A12)

**A40 SHEET A622 – INTERIOR ELEVATION**

A40.1 REPLACED sheet A622, with attached Sheet A622, dated 09/14/2023. REVISE ELEVATION G1/A622, ADDED keynote directing to specification, changed scoreboard size, and Panel Type AP1 around scoreboard.

**A41 SHEET A661 – INTERIOR DETAILS**

A41.1 REPLACED sheet A661, with attached Sheet A622, dated 09/14/2023. REVISE ELEVATION A12/A661, to reflect change in wall location and expansion location in detail N1/A371.

**S3 REFERENCE ATTACHED STRUCTURE ADDENDUM NO. 1**

**E3 REFERENCE ATTACHED MEP ADDENDUM NO. 1**

**DRAWINGS REVISIONS – 23020 EPIC ELEMENTARY SCHOOL**

**S4 REFERENCE ATTACHED STRUCTURE ADDENDUM NO. 1**

**C4 REFERENCE ATTACHED CIVIL ADDENDUM NO. 1**

**E4 REFERENCE ATTACHED MEP ADDENDUM NO. 1**

**END OF ADDENDUM NO. 1**



## SECTION 000105 - CERTIFICATIONS PAGE

ARCHITECT

I HEREBY, PURSUANT TO RSMO 327.411, STATE THAT THE SPECIFICATIONS INTENDED TO BE AUTHENTICATED BY MY SEAL ARE LIMITED TO SPECIFICATIONS LISTED BELOW:

|                       |   |
|-----------------------|---|
| DIVISION 1 SECTIONS:  | 011000, 012100, 012200, 012300, 012500, 013100, 013200, 013233, 014000, 014200, 014529, 016000, 017419, 017700, 017823, 017839, 017900. |
| DIVISION 2 SECTION:   | 024119.   |
| DIVISION 3 SECTION:   | 034100.   |
| DIVISION 4 SECTION:   | 042000.   |
| DIVISION 5 SECTIONS:  | 055000, 055100, 055213.   |
| DIVISION 6 SECTIONS:  | 061000, 061600, 064023.   |
| DIVISION 7 SECTIONS:  | 071326, 071416, 072100, 072726, 074213, 074243, 074400, 074800, 075216, 075423, 076200, 077200, 078100, 078413, 078446, 079200, 079500. |
| DIVISION 8 SECTIONS:  | 081113, 081416, 084113, 087100, 088000.   |
| DIVISION 9 SECTIONS:  | 092116, 092900, 093000, 095113, 096466, 096513, 096566, 096723, 096813, 097723, 097253, 098433, 098436, 099113, 099123, 099600, 099723. |
| DIVISION 10 SECTIONS: | 101100, 101400, 101423, 102113, 102238, 102600, 102800, 104300, 104413, 104416.   |
| DIVISION 11 SECTIONS: | 116143, <b>116623</b> , 116653.   |
| DIVISION 12 SECTIONS: | 122413, 123200, 123666, 126600.   |
| DIVISION 34 SECTION:  | 334600.   |

I HEREBY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER SPECIFICATIONS, DRAWINGS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT OR SURVEY.

KEVIN E. NELSON

SEPTEMBER 14, 2023

ARCHITECT

DATE



SEPTEMBER 14, 2023







**DOCUMENT 000110 – TABLE OF CONTENTS**

Project Name: Liberty School District Renovations

Project No. &amp; Locations:

23018- Discovery Middle School  
800 Midjay Drive, Liberty, Missouri 64068  
23019- South Valley Middle School  
1000 Midjay Drive, Liberty, Missouri 64068  
23020- EPiC Elementary School  
650 Conistor Street, Liberty, Missouri 64068

| Revisions    | Date              |
|--------------|-------------------|
| <b>ADD01</b> | <b>09.14.2023</b> |

| Latest Revision | Original Issue |
|-----------------|----------------|
|-----------------|----------------|

**INTRODUCTORY INFORMATION**

|        |                          |                   |            |
|--------|--------------------------|-------------------|------------|
| 000101 | Project Team Directory   |                   | 08.31.2023 |
| 000105 | Certifications and Seals | <b>09.14.2023</b> | 08.31.2023 |
| 000110 | Table of Contents        | <b>09.14.2023</b> | 08.31.2023 |

**BIDDING REQUIREMENTS**

(Refer to Construction Manager's Front End Manual for additional Bidding Requirements)

**BIDDING REQUIREMENTS**

|        |                   |                   |            |
|--------|-------------------|-------------------|------------|
| 003132 | Geotechnical Data | <b>09.14.2023</b> | 08.31.2023 |
|--------|-------------------|-------------------|------------|

**CONTRACTING REQUIREMENTS**

(Refer to Construction Manager's Front End Manual for additional Contracting Requirements)

**DIVISION 1 – GENERAL REQUIREMENTS**

|        |  |  |            |
|--------|--|--|------------|
| 011000 | Summary                                  |  | 08.31.2023 |
| 012100 | Allowances                               |  | 08.31.2023 |
| 012200 | Unit Prices                              |  | 08.31.2023 |
| 012300 | Alternates                               |  | 08.31.2023 |
| 012500 | Substitution Procedures                  |  | 08.31.2023 |
| 013100 | Project Management and Coordination      |  | 08.31.2023 |
| 013200 | Construction Progress Documentation      |  | 08.31.2023 |
| 013233 | Photographic Documentation               |  | 08.31.2023 |
| 014000 | Quality Requirements                     |  | 08.31.2023 |
| 014200 | References                               |  | 08.31.2023 |
| 014529 | Testing and Inspections                  |  | 08.31.2023 |
| 016000 | Product Requirements                     |  | 08.31.2023 |
| 017419 | Construction Waste Management & Disposal |  | 08.31.2023 |
| 017700 | Closeout Procedures                      |  | 08.31.2023 |
| 017823 | Operation and Maintenance Data           |  | 08.31.2023 |
| 017839 | Project Record Documents                 |  | 08.31.2023 |
| 017900 | Demonstration and Training               |  | 08.31.2023 |

**DIVISION 2 – EXISTING CONDITIONS**

|        |                      |  |            |
|--------|----------------------|--|------------|
| 024119 | Selective Demolition |  | 08.31.2023 |
|--------|----------------------|--|------------|

**DIVISION 3 – CONCRETE**

|        |                             |  |            |
|--------|-----------------------------|--|------------|
| 033000 | Cast-in-Place Concrete      |  | 08.31.2023 |
| 034100 | Precast Structural Concrete |  | 08.31.2023 |

**DIVISION 4 - MASONRY**

|        |              |  |            |
|--------|--------------|--|------------|
| 042000 | Unit Masonry |  | 08.31.2023 |
|--------|--------------|--|------------|



|  | Latest Revision                           | Original Issue |
|--|---|----------------|
| DIVISION 5 - METALS                          |   |                |
| 051200                                       | Structural Steel Framing                  | 08.31.2023     |
| 052100                                       | Steel Joist Framing                       | 08.31.2023     |
| 053100                                       | Steel Decking                             | 08.31.2023     |
| 054000                                       | Cold-Formed Metal Framing                 | 08.31.2023     |
| 055000                                       | Metal Fabrications                        | 08.31.2023     |
| 055100                                       | Metal Stairs                              | 08.31.2023     |
| 055213                                       | Pipe and Tube Railings                    | 08.31.2023     |
| DIVISION 6 – WOOD AND PLASTICS               |   |                |
| 061000                                       | Rough Carpentry                           | 08.31.2023     |
| 061600                                       | Sheathing                                 | 08.31.2023     |
| 064023                                       | Interior Architectural Woodwork           | 08.31.2023     |
| DIVISION 7 - THERMAL AND MOISTURE PROTECTION |   |                |
| 071326                                       | Self-Adhering Sheet Waterproofing         | 08.31.2023     |
| 071416                                       | Cold Fluid Applied Waterproofing          | 08.31.2023     |
| 072100                                       | Thermal Insulation                        | 08.31.2023     |
| 072726                                       | Fluid-Applied Membrane Air Barrier        | 08.31.2023     |
| 074213                                       | Formed Metal Wall and Soffit Panels       | 08.31.2023     |
| 074243                                       | Metal Composite Material Wall Panels      | 08.31.2023     |
| 074400                                       | Concrete Faced Rigid Insulation           | 08.31.2023     |
| 074800                                       | Rainscreen Furring System                 | 08.31.2023     |
| 075216                                       | Modified Bituminous Membrane Roofing      | 08.31.2023     |
| 075423                                       | Thermoplastic Polyolefin (TPO) Roofing    | 08.31.2023     |
| 076200                                       | Sheet Metal Flashing and Trim             | 08.31.2023     |
| 077200                                       | Roof Accessories                          | 08.31.2023     |
| 078100                                       | Applied Fireproofing                      | 08.31.2023     |
| 078413                                       | Penetration Firestopping                  | 08.31.2023     |
| 078446                                       | Fire Resistive Joint Systems              | 08.31.2023     |
| 079200                                       | Joint Sealants                            | 08.31.2023     |
| 079500                                       | Expansion Control                         | 08.31.2023     |
| DIVISION 8 - DOORS AND WINDOWS               |   |                |
| 081113                                       | Hollow Metal Doors and Frames             | 08.31.2023     |
| 081416                                       | Flush Wood Doors                          | 08.31.2023     |
| 084113                                       | Aluminum Framed Entrances and Storefronts | 08.31.2023     |
| 087100                                       | Door Hardware                             | 08.31.2023     |
| 088000                                       | Glazing                                   | 08.31.2023     |
| DIVISION 9 - FINISHES                        |   |                |
| 092116                                       | Non-Structural Metal Framing              | 08.31.2023     |
| 092900                                       | Gypsum Board                              | 08.31.2023     |
| 093000                                       | Tiling                                    | 08.31.2023     |
| 095113                                       | Acoustical Panel Ceilings                 | 08.31.2023     |
| 096466                                       | Wood Athletic and Stage Flooring          | 08.31.2023     |
| 096513                                       | Resilient Base and Accessories            | 08.31.2023     |
| 096566                                       | Resilient Athletic Flooring               | 08.31.2023     |
| 096723                                       | Resinous Flooring                         | 08.31.2023     |
| 096813                                       | Tile Carpeting                            | 08.31.2023     |
| 097253                                       | Digital Wall Coverings                    | 08.31.2023     |
| 097723                                       | Fabric-Wrapped Panels                     | 08.31.2023     |
| 098433                                       | Acoustical Wall Units                     | 08.31.2023     |
| 098436                                       | Acoustical Ceiling Units                  | 08.31.2023     |
| 099113                                       | Exterior Painting                         | 08.31.2023     |
| 099123                                       | Interior Painting                         | 08.31.2023     |
| 099600                                       | High-Performance Coatings                 | 08.31.2023     |
| 099723                                       | Concrete and Masonry Coatings             | 08.31.2023     |



|                                | Latest Revision   | Original Issue               |
|--------------------------------|---|------------------------------|
| DIVISION 10 – SPECIALTIES      |   |                              |
| 101100                         | Visual Display Units  | 08.31.2023                   |
| 101400                         | Signage   | 08.31.2023                   |
| 101423                         | ADA and Code Signage  | 08.31.2023                   |
| 102113                         | Toilet Compartments   | 08.31.2023                   |
| 102238                         | Operable Panel Partitions   | 08.31.2023                   |
| 102600                         | Wall and Door Protection  | 08.31.2023                   |
| 102800                         | Toilet, Bath & Laundry Accessories  | 08.31.2023                   |
| 104300                         | Emergency Aid Specialties   | 08.31.2023                   |
| 104413                         | Fire Extinguisher Cabinets  | 08.31.2023                   |
| 104416                         | Fire Extinguishers  | 08.31.2023                   |
| DIVISION 11 - EQUIPMENT        |   |                              |
| 114000                         | Food Service Equipment  | 08.31.2023                   |
| 116100                         | Theatrical Lighting Equipment   | 08.31.2023                   |
| 116133                         | Theatrical Rigging and Curtains ( <i>Discovery and South Valley Middle School</i> ) | <b>09.14.2023</b> 08.31.2023 |
| 116143                         | Stage Curtains ( <i>EPiC Elementary School</i> )                                    | 08.31.2023                   |
| 116623                         | Gymnasium Equipment   | <b>09.14.2023</b> 08.31.2023 |
| 116653                         | Gymnasium Dividers  | 08.31.2023                   |
| DIVISION 12 - FURNISHINGS      |   |                              |
| 122413                         | Roller Window Shades  | 08.31.2023                   |
| 123200                         | Manufactured Wood Casework  | 08.31.2023                   |
| 123666                         | Solid Surfacing Countertops   | 08.31.2023                   |
| DIVISION 21 – FIRE SUPPRESSION |   |                              |
| 210500                         | Common Work Results for Fire Suppression  | 08.31.2023                   |
| 211200                         | Fire-Suppression Standpipes   | 08.31.2023                   |
| 211313                         | Wet-Pipe Sprinkler Systems  | 08.31.2023                   |
| DIVISION 22 - PLUMBING         |   |                              |
| 220500                         | Common Work Results for Plumbing  | 08.31.2023                   |
| 220513                         | Common Motor Requirements for Plumbing Equipment                                    | 08.31.2023                   |
| 220516                         | Expansion Fittings and Loops for Plumbing Piping                                    | 08.31.2023                   |
| 220517                         | Sleeves and Sleeve Seals for Plumbing Piping  |                              |
| 220518                         | Escutcheons for Plumbing Piping   | 08.31.2023                   |
| 220519                         | Meters and Gauges for Plumbing Piping   | 08.31.2023                   |
| 220523                         | General Duty Valves for Plumbing Piping   | 08.31.2023                   |
| 220529                         | Hangers and Supports for Plumbing Piping and Equipment                              | 08.31.2023                   |
| 220553                         | Identification for Plumbing Piping and Equipment                                    | 08.31.2023                   |
| 220719                         | Plumbing Piping Insulation  | 08.31.2023                   |
| 221116                         | Domestic Water Piping   | 08.31.2023                   |
| 221119                         | Domestic Water Piping Specialties   | 08.31.2023                   |
| 221123                         | Domestic Water Pumps  | 08.31.2023                   |
| 221316                         | Sanitary Waste and Vent Piping  | 08.31.2023                   |
| 221319                         | Sanitary Waste Piping Specialties   | 08.31.2023                   |
| 221413                         | Storm Drainage Piping   | 08.31.2023                   |
| 221423                         | Storm Drainage Piping Specialties   | 08.31.2023                   |
| 223300                         | Electric, Domestic-Water Heaters  | 08.31.2023                   |
| 224000                         | Plumbing Fixtures   | 08.31.2023                   |
| 224700                         | Drinking Fountain and Water Coolers   | 08.31.2023                   |



|  | Latest Revision  | Original Issue    |
|--|--|-------------------|
| <b>DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING</b>         |  |                   |
| 230500   | Common Work Results for HVAC                             | 08.31.2023        |
| 230513   | Common Motors Requirements for HVAC Equipment            | 08.31.2023        |
| 230525   | Equipment Screening for HVAC                             | 08.31.2023        |
| 230548   | Vibration Controls for HVAC                              | 08.31.2023        |
| 230553   | HVAC System Identification                               | 08.31.2023        |
| 230593   | Testing, Adjusting, and Balancing for HVAC               | 08.31.2023        |
| 230713   | Duct Insulation  | 08.31.2023        |
| 230719   | HVAC Piping Insulation                                   | 08.31.2023        |
| 230900   | Instrumentation and Control for HVAC                     | 08.31.2023        |
| 231123   | Facility Natural-Gas Piping                              | 08.31.2023        |
| 232300   | Refrigerant Piping                                       | 08.31.2023        |
| 233113   | Metal Ducts  | 08.31.2023        |
| 233300   | Duct Accessories   | 08.31.2023        |
| 233416   | Centrifugal HVAC Fans                                    | 08.31.2023        |
| 233713   | Diffusers, Registers, and Grilles                        | 08.31.2023        |
| 237416.11  | Packaged, Small-Capacity, Rooftop Air-Conditioning Units | 08.31.2023        |
| 237416.13  | Packaged, Large-Capacity, Rooftop Air-Conditioning Units | 08.31.2023        |
| 238126   | Split-System Air-Conditioners                            | 08.31.2023        |
| 238239   | Cabinet Unit Heaters                                     | 08.31.2023        |
| <b>DIVISION 26 - ELECTRICAL</b>  |  |                   |
| 260500   | Common Work Results for Electrical                       | 08.31.2023        |
| 260519   | Low-Voltage Electrical Power Conductors and Cables       | 08.31.2023        |
| 260523   | Control-Voltage Electrical Power Cables                  | 08.31.2023        |
| 260526   | Grounding and Bonding for Electrical Systems             | 08.31.2023        |
| 260529   | Hangers and Supports for Electrical Systems              | 08.31.2023        |
| 260533   | Raceway and Boxes for Electrical Systems                 | 08.31.2023        |
| 260553   | Identification for Electrical Systems                    | 08.31.2023        |
| 260923   | Lighting Control Devices                                 | 08.31.2023        |
| 260943   | Distributed Digital Lighting Control System              | 08.31.2023        |
| 262200   | Transformers   | 08.31.2023        |
| 262416   | Panelboards  | 08.31.2023        |
| 262726   | Wiring Devices   | 08.31.2023        |
| 262813   | Fuses  | 08.31.2023        |
| 262816   | Enclosed Switches and Circuit Breakers                   | 08.31.2023        |
| 263323   | Central Battery Equipment for Emergency Lighting         | 08.31.2023        |
| 264113   | Lightning Protection for Structures                      | <b>09.14.2023</b> |
| 265119   | LED Interior Lighting                                    | 08.31.2023        |
| 265219   | Emergency and Exit Lighting                              | 08.31.2023        |
| 265500   | Theatrical Equipment Hook-Up                             | 08.31.2023        |
| 265619   | LED Exterior Lighting                                    | 08.31.2023        |
| <b>DIVISION 27 – COMMUNICATIONS</b>                                    |  |                   |
| 270000   | District Cabling Specifications (LPS Standard)           | 08.31.2023        |
| 270500   | Common Work Results for Communications                   | 08.31.2023        |
| 270526   | Grounding and Bonding for Communications                 | 08.31.2023        |
| 270536   | Cable Trays for Communications Systems                   | 08.31.2023        |
| 274116   | Audio Video Systems                                      | 08.31.2023        |
| 275116   | Public Address Systems                                   | 08.31.2023        |
| 275145   | Two-Way Emergency Responder Radio System                 |                   |
| <b>DIVISION 28 - ELECTRONIC ACCESS CONTROL AND INTRUSION DETECTION</b> |  |                   |
| 280500   | Common Work Results for Electronic Safety and Security   | 08.31.2023        |
| 280513   | Conductors and Cables for Electronic Safety and Security | 08.31.2023        |
| 283111   | Digital, Addressable Fire-Alarm System                   | 08.31.2023        |
| <b>DIVISION 31 - EARTHWORK</b>   |  |                   |
| 311000   | Site Clearing  | 08.31.2023        |
| 312000   | Earth Moving   | 08.31.2023        |



|                                     | Latest Revision                  | Original Issue |
|-------------------------------------|----------------------------------|----------------|
| DIVISION 32 - EXTERIOR IMPROVEMENTS |                                  |                |
| 321216                              | Asphalt Paving                   | 08.31.2023     |
| 321313                              | Concrete Paving                  | 08.31.2023     |
| 321373                              | Concrete Paving Joint Sealants   | 08.31.2023     |
| 323113                              | Chain Link Fences and Gates      | 08.31.2023     |
| DIVISION 33 - UTILITIES             |                                  |                |
| 333100                              | Sanitary Utility Sewerage Piping | 08.31.2023     |
| 334100                              | Storm Utility Drainage Piping    | 08.31.2023     |
| 334600                              | Subdrainage                      | 08.31.2023     |

**END OF TABLE OF CONTENTS**



# KRUGER TECHNOLOGIES, INC.

GEOTECHNICAL ■ ENVIRONMENTAL ■ TESTING ■ INSPECTION  
8271 MELROSE DRIVE ■ LENEXA, KANSAS 66214 ■ VOICE 913-498-1114 ■ FAX 913-498-1116 ■ EMAIL  
KTIKC@KTIONLINE.COM

September 12, 2023

Ms. Emily Scaduto, NCIDQ, LEED GA  
Hollis & Miller Architects  
1828 Walnut Street, Suite 200  
Kansas City, MO 64108

Re: KTI Project No. 223118G Addendum #1  
EPiC Elementary School Storm Shelter Addition  
Liberty, Missouri

Dear Ms. Scaduto:

Kruger Technologies, Inc. (KTI) completed a subsurface exploration and geotechnical report for the above referenced project with the results and subsequent recommendations submitted in our report titled *Report of Geotechnical Exploration –EPiC Elementary School Storm Shelter Addition* dated June 27, 2023. Per request from the project team, we have added a description of settlement monitoring recommendations to be considered for building pad and general site development fills for the project:

## Consolidation Settlement

We understand that fills up to approximately 16 feet will be placed within the addition site. The greatest thickness of fill will be placed in the area corresponding to B-2. Placement of this fill will initiate time-dependent consolidation settlements within the underlying clay soils which could result in producing a potential for differential settlement of the foundations of the addition building.

The existing soil below the embankment settles over time when a heavy embankment is constructed. Therefore, settlement control is necessary to measure the settlement and to ensure that the settlement has slowed to an acceptable rate. We recommend placing one steel settlement plate (2 ft by 2 ft by ¼") prior to the beginning of embankment operations near the Boring B-2 and at the area of greatest fill. A second shallow monument should be placed near this location at the surface of the fill immediately after fill placement completion. Care should be taken by the contractor to avoid causing damage to the settlement monitoring apparatus. Fill lifts placed around the settlement apparatuses should be fairly level so that there will be no displacement of the apparatuses during fill placement operations. Survey readings should be taken once a week during and after the embankment is constructed to subgrade elevation. Survey readings should continue until the settlement rate is ¼ inch or less for three consecutive weekly readings.


An example of a monitoring device has been included with this addendum. KTI would provide and install the monitoring devices and evaluate the weekly survey readings provided by others. We anticipate that consolidation and settlement would reach acceptable levels within 60 days of fill completion.



**These recommendations should be used in conjunction with the original KTI Geotechnical Report No. 223118G dated June 27, 2023.**

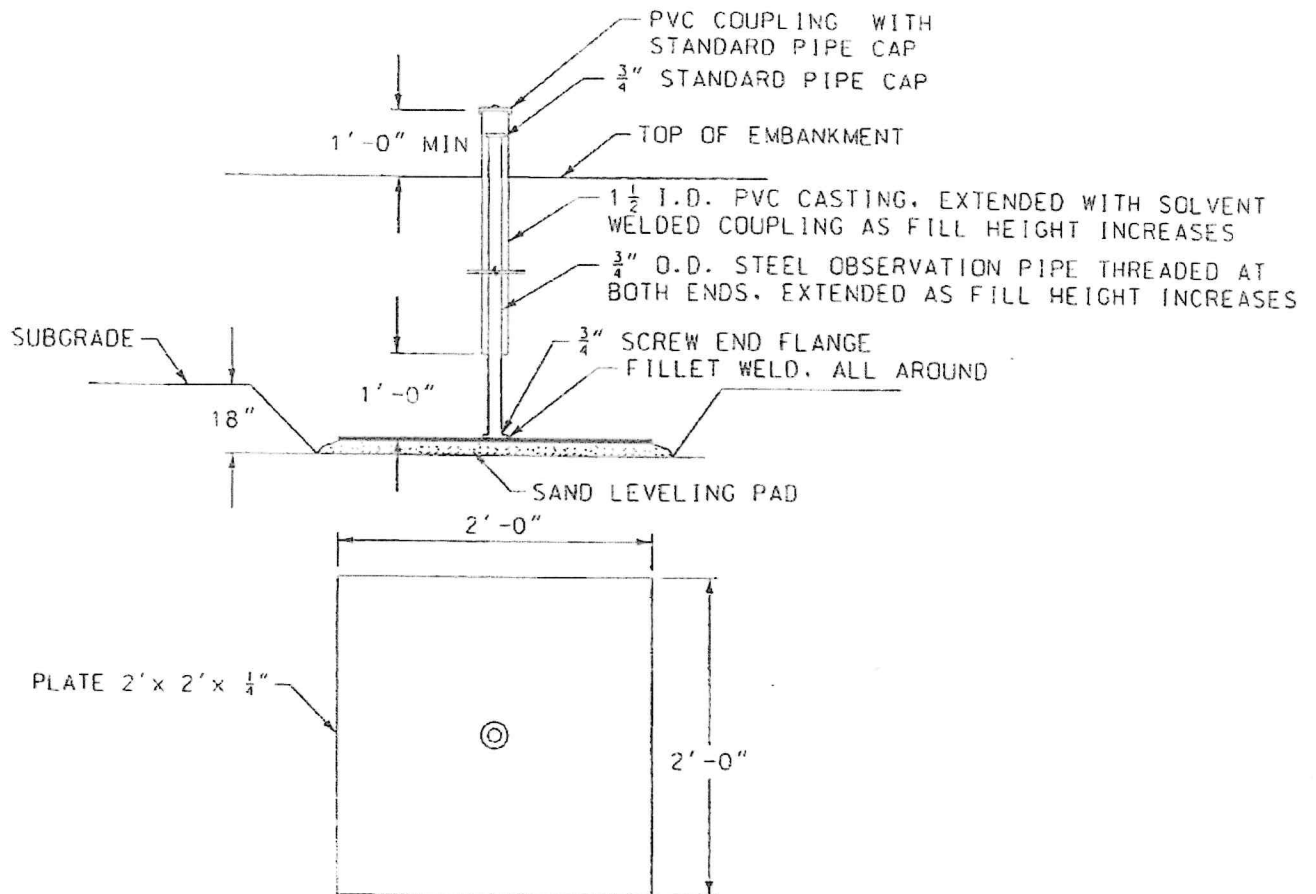
We thank you for the opportunity to work with Hollis & Miller Architects. If you have any questions, please contact us at 913.498.1114.

Respectfully submitted,  
Kruger Technologies, Inc.

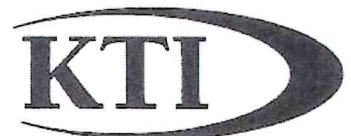
A handwritten signature in blue ink, appearing to read "O. Kruger, Jr.", with a stylized flourish at the end.

Otto J. Kruger, Jr., P.E.  
Missouri P.E.: 23994





Settlement Monitoring Device  
N.T.S.



kruger technologies, inc.

Drawn:

Date:

Project No:







**Liberty Discovery Middle School Storm Shelter Addition  
Smith & Boucher Project No. 2314702**

**Liberty South Valley Middle School Storm Shelter Addition  
Smith & Boucher Project No. 2314703**

**Liberty Epic Elementary School Lighting Storm Shelter Addition  
Smith & Boucher Project No. 2314704**

**09/14/2023**

**To Documents Titled:**  
See titles above.  
08/31/2023

**Architect-of-Record:**  
Hollis and Miller  
1828 Walnut Street Suite 922  
Kansas City, MO 64108

The Contract Documents for the above referenced project and the Work covered thereby are modified as described herein.

## **SPECIFICATIONS**

1. Section 264113 – Lightning Protection For Structures

## **DISCOVERY MIDDLE SCHOOL DRAWINGS**

2. Sheet E201A- Power
  - a. Added in clarification on device mounting heights in the Multipurpose.
  - b. Shifted electrical equipment in AV/Elec.

## **SOUTH VALLEY MIDDLE SCHOOL DRAWINGS**

1. Sheet E201A- Power
  - a. Shifted electrical equipment in AV/Elec.

## **EPIC ELEMENTARY SCHOOL DRAWINGS**

1. Sheet E201- Power – Overall Plan
  - a. Removed hard pipe conduit route for fiber run to new IDF, to be J-hooks only.
2. Sheet E201A- Power – Area A
  - a. Added in data drops to Gym Office, and Music Storage
  - b. Added receptacle to Music storage.
  - c. Added door controls access panel to IT
3. Sheet E201B- Power – Area B
  - a. Added in data drops to both restrooms



**Attachments**

- See drawing list and specifications above.

END OF MEP ITEMS FOR ADDENDUM NO. 1



PRINCIPALS

*President*

Chris Beverlin, P.E.

Clark A. Basinger, P.E.  
Michael J. Falbe, P.E.  
Richard C. Crabtree, P.E.  
Wayne E. Davis, P.E.  
Jeffrey L. Wright, P.E.  
Christopher W. Boos, P.E.  
Brandon M. Ford, P.E.  
Steven Brooks, P.E.  
Ryan Hagedorn, P.E.

*Administrative Manager*

James M. Spena

**South Valley Middle School Storm Shelter Addition  
Addenda 1 – Structural Narrative**

**SHEET S100 – FOUNDATION PLAN**

1. Added column at grid line AA.
2. Added section 3/S203.
3. Extended new slab along grid line AA.
4. Revised grid lines.

**SHEET S101 – LOW ROOF FRAMING PLAN**

1. Revised framing along grid line AA.
2. Revised grid lines.

**SHEET S202 – FOUNDATION SECTIONS**

1. Revised graphics on section 3/S202
2. Revised sections 4/S202 and 5/S202.

**SHEET S203 – FOUNDATION SECTIONS**

1. Added section 3/S203

**SHEET S302 – FOUNDATION SECTIONS**

1. Revised section 6/S302





## **EPIC ELEMENTARY SCHOOL**

### **ADDENDUM 01**

**September 14, 2023**

The following are a summary of addendum items:

Sheet C103:

- Added foundation drain connection locations and notes.
- Added cleanouts to roof drain pipe layout.



PRINCIPALS

*President*

Chris Beverlin, P.E.

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*Administrative Manager*

James M. Spena

**EPiC Elementary Storm Shelter Addition  
Addendum 01 – 09/14/23 – Structural Narrative**

**SHEET S100 – FOUNDATION PLAN**

1. Corrected top of footing elevation callout at northwest corner of art room
2. Added note referencing geotechnical addendum information on fill surcharge and settlement monitoring.



# PEERBOLTE CREATIVE LLC

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The addendum contains the following changes to the theatrical documents

1. TH102 for Discovery Middle School shall be replaced in its entirety. The scoreboard masking curtain at has been modified in width.
2. TH102 for South Valley Middle School shall be replaced in its entirety. The scoreboard masking curtain has been modified in width.
3. 116133 shall be replaced in its entirety. The curtains listed in 2.3, N have been changed in dimension.



## SECTION 116623 - GYMNASIUM EQUIPMENT

### PART 1 GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Overhead Backboard Supports (116623.A01).
  - 2. Wall-Mounted Backboard Supports (116623.A02).
  - 3. Rectangular Backboards (116623.A03).
  - 4. Fan-Shaped Backboards (116623. A04).
  - 5. Volleyball equipment (116623.A05).
  - 6. Wall/Safety pads (116623.A07).
  - 7. Scoreboards (116623.A10).
  - 8. Shot clocks and mounting supports.
  - 9. Scorer's Table, illuminated.
- B. Related Requirements:
  - 1. Section 051200 "Structural Steel".
  - 2. Section 055000 "Metal Fabrications" for backstop, exterior scoreboard and field timer supports.
  - 3. Section 061000 "Rough Carpentry
  - 4. Section 096466 "Wood Athletic Flooring" for game lines and markers.
  - 5. Section 116653 "Gymnasium Dividers."
  - 6. Division 26 Sections for electrical service for motor operators, controls, and other powered devices for motorized gymnasium equipment.
- C. Products Furnished but not Installed Under this Section:
  - 1. Volleyball sleeves to be cast in concrete slabs and footings: Refer to Section 033000.

#### 1.2 DEFINITIONS

- A. NFHS: National Federation of State High School Associations.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. If applicable, include assembly, disassembly, and storage instructions for removable equipment.
  - 2. Motors: Show nameplate data, ratings, characteristics, and mounting arrangements.
- B. Shop Drawings: For each type of equipment specified.
  - 1. Include plans and layouts, elevations, sections, details, and attachments to other work.
  - 2. Include details of field assembly for removable equipment, connections, installation, mountings, floor inserts, attachments to other work, and operational clearances.
  - 3. Include transport and storage accessories for removable equipment.
- C. Samples for Initial Selection: For each type of athletic equipment, scoreboard and scorer's table.
  - 1. Color sample chips for each item requiring color selections.
- D. Samples for Verification: For the following products:
  - 1. Basketball Net: Full size.
  - 2. Volleyball Net: Minimum 12-inch length by full height, including one edge and net accessories.
  - 3. Pad Fabric: Wall padding not less than 3 inches square, with specified treatments applied. Mark face of material.
  - 4. Scorer's Table Padding: Padding vinyl facing fabric not less than 3 inches square.
  - 5. Batting cage mesh netting not less than 12 inches square.
- E. Wiring Diagrams: Submit wiring diagrams for each item of Gymnasium Equipment requiring electricity, clearly indicate power, signal, and control wiring. Clearly differentiate between manufacturer-installed wiring and field-



installed wiring. Indicate maximum and average power demands.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation including loads, point reactions, and locations for attachment of gymnasium equipment to structure.
- B. Setting Drawings: For cast-in floor volleyball sleeves to receive for post standards.
- C. Coordination Drawings: Coordination Drawings: Court layout plans, reflected ceiling plans, and other details, drawn to scale, and coordinated with ceiling-suspended gymnasium equipment, floor inserts, game lines, and markers applied to finished flooring, and coordinated with each other, using input from installers of the items involved:
  - 1. Structural members to which overhead-supported gymnasium equipment will be attached.
  - 2. Suspended ceiling components, if any.
  - 3. Items supported from building structure above the courts, including the following:
    - a. Air outlets and inlets.
    - b. Acoustical treatments or panels.
    - c. Access panels.
- D. Qualification Data: For Installer and professional engineer.
- E. Product Certificates: For each type of gymnasium equipment.
- F. Field quality-control reports.
- G. Sample Warranty: For special warranty.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For gymnasium equipment to include in emergency, operation, and maintenance manuals.
- B. Maintenance data for inclusion in Operating and Maintenance Manual specified in Section 017823 including detailed instructions indicating proper means for operating and maintaining each type of athletic equipment item and accessory required.

#### 1.6 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Manufacturer shall have a minimum of ten (10) years continuous experience, under the current company name in the manufacturing of systems similar in complexity to those required for this Project.
- B. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer, in addition to the following:
  - 1. Installer shall have at least three (3) years successful experience installing products of similar type and quality as required on this project.
- C. Source Limitations: Obtain each type of gymnasium equipment through one source from a single manufacturer.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- E. Product/Material Qualifications: Manufacturer's catalog numbers are indicated for convenience in identifying equipment items. Unless otherwise indicated, catalog description for indicated number constitutes minimum standards of quality, design, and performance required for each item to be incorporated into the Project. Substitutions will be allowed, but must be submitted in accordance with the procedures set forth in Sections 012500 and 016000. All proposed substitutions/comparable products must be submitted to and accepted by the Architect prior to bidding.



1. It will be the responsibility of the Bidder to furnish with his Bid a list clarifying any deviations from these specifications written or implied, in order that a fair and proper evaluation be made. Those Bidders not submitting a list of deviations will be presumed to have Bid as specified.

## 1.7 FIELD CONDITIONS

- A. Environmental Limitations: Do not install gymnasium equipment until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Check actual dimensions of construction affecting Athletic Equipment installation by accurate field measurements before fabrication; show recorded measurements on final shop drawings. Coordinate fabrications schedule with construction progress to avoid delay of Work.
  1. Verify position and elevation of floor inserts and layout for gymnasium equipment.

## 1.8 COORDINATION

- A. Coordinate installation of floor inserts with structural floors and finish flooring installation and with court layout and game lines and markers on finish flooring.
- B. Coordinate layout and installation of overhead-supported gymnasium equipment and suspension-system components with other construction including light fixtures, HVAC equipment, fire-suppression-system components, and partition assemblies.
- C. Coordinate electrical requirements of athletic equipment with related trades.

## 1.9 WARRANTY

- A. Special Warranty for Basketball Equipment: Manufacturer agrees to repair or replace components of gymnasium equipment that fail in materials or workmanship within specified warranty period.
  1. Failures include, but are not limited to, the following:
    - a. Basketball backboard failures including glass breakage.
    - b. Faulty operation of motorized basketball backstops.
  2. Warranty Period: 1 year from date of Substantial Completion.
    - a. Volleyball equipment.
      - 1) Net.
      - 2) Judges's stand.
    - b. Wall Pads (Draper).
  3. Warranty Period: 5 years from date of Substantial Completion.
    - a. Wall Pads (Porter).
  4. Warranty Period: 25 years from date of Substantial Completion.

## 1.10 SERVICE GUARANTEE

- A. The Gymnasium Equipment Contractor shall guarantee service and repair to any defective equipment within 24 hours from notification by Owner for a period of one (1) year after substantial completion.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS, GENERAL

- A. Source Limitations: Obtain each type of gymnasium equipment from single source from single manufacturer.
- B. Note: Provide (3) three sets up nets and floor inserts, etc. per Middle Schools, but only provide (1) one judge's platform and association items per school.



## 2.2 BASKETBALL EQUIPMENT

- A. Basis-of-Design Product: Subject to compliance with requirements, provide products from Porter Athletic, Inc., or comparable products, submitted to and accepted by Architect prior to bidding from one of the following:
  - 1. Draper, Inc.
  - 2. Performance Sports Systems; a Gared Holdings company.
  - 3. Aalco Manufacturing Co.
- B. General: Provide equipment complying with requirements in NFHS's "NFHS Basketball Rules Book."
- C. Protruding fasteners or exposed bolt heads on front face of backboards are not permitted.
- D. Provide manufacturer's recommended connections complying with Section 055000 "Metal Fabrications" of size and type required to transfer loads to building structure.
- E. Overhead-Supported Backstops (116623.A01) provide backstops of the following types where indicated:
  - 1. Forward Fold, height adjustable, front-braced: Basis-of-Design – Porter Athletic, Inc.; Model 949.
  - 2. Forward Fold (Epic), height adjustable, front-braced: Basis-of-Design – Porter Athletic, Inc.; Model 950.
  - 3. Side Fold, height adjustable, side-braced: Basis-of-Design – Porter Athletic, Inc.; Model 955.
- F. System Description, General:
  - 1. Folding Type: Provide manufacturer's standard assembly for each type of backstop, with hardware and fittings to permit folding.
  - 2. Framing: Steel pipe, tubing, and shapes. Design framing to minimize vibration during play.
    - a. Center-Mast Frame: Welded with side sway bracing.
    - b. Finish: Manufacturer's standard or custom polyester powder-coat finish. Color shall be black.
  - 3. Goal Height Adjuster: Adjustable from 8 to 10 feet with gear-drive mechanism, locking in any position within adjustment range, with visible height scale attached to side of framing.
    - a. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletic, Inc.
    - b. Operation: Electric with integral gear-drive motor, with limit switches preset to goal heights and the following:
      - 1) Wireless remote control.
    - c. Backstops to receive height adjusters are indicated on Drawings.
- G. Backstop Safety Device: Designed to limit free fall if support cable, chains, pulleys, fittings, winch, or related components fail; with mechanical automatic reset; 6000-lb load capacity; one per folding backstop.
  - 1. Retractor Device: For all forward fold, rear-braced backstops provide manufacturer's standard device designed to retract both support and safety cables, chains, and straps away from play of the basketball when backstop is in playing position; one per each folding backstop.
  - 2. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletic, Inc.; Model 797.
- H. Backstop Electric Operators: Provide operating machine of size and capacity recommended by manufacturer for equipment specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, and remote controls. Coordinate wiring requirements and electrical characteristics with building electrical system.
  - 1. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
  - 2. Operator Type: Cable drum with grooved drum and cable tension device to automatically take up cable slack and retain cable in grooves.
  - 3. Operator Mounting: Manufacturer's standard.
  - 4. Motor Characteristics: Sufficient to start, accelerate, reverse, and operate connected loads at designated speeds within installed environment and with indicated operating sequence, and without exceeding nameplate rating or considering service factor. Comply with NEMA MG 1, and the following:
  - 5. Voltage: NEMA standard voltage selected to operate on nominal circuit voltage to which motor is connected.
  - 6. Horsepower: Model 713, 1 hp.
  - 7. Enclosure: Manufacturer's standard.
  - 8. Duty: Continuous duty at ambient temperature of 105 deg F (40 deg C) and at altitude of 3300 feet (1005 m) above sea level.
  - 9. Service Factor: 1.15 for open drip-proof motors; 1.0 for totally enclosed motors.
  - 10. Phase: One.
  - 11. Controller: Key operated winch, provide Porter Athletic, Inc; Model XELE00791112



12. Limit Switches: Adjustable switches, interlocked with motor controls and set to automatically stop basketball equipment at fully retracted and fully lowered positions.
  13. Basis-of-Design Products: Subject to compliance with requirements, provide the following products from Porter Athletic, Inc.
    - a. Electric Winch: Porter, Model 00707-000.
- I. Basketball Backboards (116623.A03):
1. Backboards: Provide rectangular, 72 by 42 inches width by height.
    - a. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletic, Inc.; Model 208, Center Strut Rectangular Glass Backboard.
    - b. Backboard frame shall be welded, unitized construction, designed for direct goal mounting type structures.
    - c. Backboard Material: With predrilled holes or preset inserts for mounting goals, and as follows:
      - 1) Glass: Not less than 1/2-inch- thick, transparent tempered glass complying with ASTM C 1048 Kind FT (fully tempered) and with impact testing requirements in 16 CFR 1201 Category II or ANSI Z97.1 Class A for safety glazing. Provide glass with impact-absorbing resilient rubber or PVC gasket around perimeter in a fully welded, painted steel frame, with steel subframe, reinforcement, bracing, and mounting slots for mounting backboard frame to backboard support framing.
      - 2) Direct Mount: Designed for mounting backboard frame to center mast of backstop to maximize relief of stresses on backboard frame and glass.
    - d. Target Area and Border Markings: Permanently etched in white color, marked in pattern and stripe width according to referenced rules.
- J. Basketball Backboards (116623.A04):
1. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletic, Inc.; Model Model #00234A-300 with Model #00245500 "Ultra-Flex goal.
- K. Goal Mounting Assembly: Compatible with goal, backboard, and support framing; with hole pattern that is manufacturer's standard for goal attachment.
1. Direct Mount: Designed for mounting goal directly and independently to center mast of backboard support framing so no force, transmitted by ring, is directly applied to backboard, and rigidity and stability of goal are maximized.
- L. Goal Mounting Assembly with Height Adjuster: Compatible with goal, backboard, height adjuster assembly to eliminate stress on backboard; with hole pattern that is manufacturer's standard for goal attachment.
1. Through Backboard Mount: Designed for mounting goal through backboard to height adjuster and mount height adjuster independently to center mast of backstop.
- M. Basketball Goals: Complete with flanges, braces, attachment plate, and evenly spaced loops welded around underside of ring.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletic, Inc.; Model 256-500 "Torq-Flex Goal" with anti-whip net, made from white nylon cord not less than 120-gm thread and not more than 144-gm thread.
  2. Finish: Manufacturer's standard powder-coat finish.
- N. Backboard Safety Pads: Designed for backboard thickness indicated and extending continuously along bottom and up sides of backboard and over goal mounting and backboard supports as required by referenced rules and per manufacturer's standard design specified.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletic, Inc.; Model 326.
  2. Attachment: Bolt on.
  3. Color: As selected by Architect from manufacturer's full range.

## 2.3 VOLLEYBALL EQUIPMENT

- A. Basis-of-Design Product: Subject to compliance with requirements, provide the following:
1. Porter Athletic, Inc.
    - a. Floor Inserts (116623.A05): Provide Model 00870-200 (brass) as selected by Architect. Floor insert shall include: cast aluminum recessed mounting flange, cork gasket, 5 inch diameter cover and floor sleeve.
      - 1) Cover shall be equipped with a swivel-type retainer pin.
      - 2) Provide special key for cover removal.



- b. Floor Inserts (116623.A05): Provide Model 00870-100 (chrome plated) as selected by Architect. Floor insert shall include: cast aluminum recessed mounting flange, cork gasket, 5 inch diameter cover and floor sleeve.
    - 1) Cover shall be equipped with a swivel-type retainer pin.
    - 2) Provide special key for cover removal.
  - c. Volleyball End Standards: Provide Powr-Rib II, Model 19719 with protective pads in color to be selected by Architect.
  - d. Volleyball Center Standards: Provide Powr-Rib II, Model 197219 with protective pads in color to be selected by Architect.
  - e. Winches: Provide Model WINH00113 "Powr-Select Winch" for type of standards specified.
  - f. Upright Pads for Standards: Provide Model 8390 "Official Upright Pads" for each end standard. Pads shall have 15 oz reinforced vinyl facing and 1-1/2 inch thick polyethylene filler. Color as selected by Architect.
  - g. Volleyball Net and Antennas: Provide Net Model 2295 "Universal Competition Net" with antennas Model 2296.
  - h. Net Chain: Provide Model "Fair Height Net Chain".
  - i. Judge's Platform: Provide Model 669100 "Free Standing Judge's Stand".
  - j. Protective Pads for Judge's Platform: Provide Model 6693 pads in color to be selected by Architect.
  - k. Boundary Marker with Antenna: Provide Model 00546-000.
  - l. Volleyball Transport System: Provide Model 956100 "Powr Volleyball Transport System".
- B. Accessories:
- 1. Provide non-corrosive floor anchors for portable volleyball equipment as recommended by equipment manufacturer to suit substrates involved.

## 2.4 WALL-MOUNTED SAFETY PADDING (116623.A07)

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletics, Inc; "Firesafe", Series 5720; or comparable product by one of the following, meeting specified requirements, submitted to and accepted by Architect prior to bidding:
  - 1. Dollamur Sport Surfaces.
  - 2. Draper.
- B. Performance Characteristics:
  - 1. Impact and Shock Absorption: Units shall meet or exceed ASTM F 2440-04 requirements.
  - 2. Safety Pad Surface-Burning Characteristics: Shall meet NFPA 286 or another testing and inspecting agency acceptable to authorities having jurisdiction:
    - a. Unit shall meet Class A requirements for flame spread and smoke developed.
- C. Wall Pads: Panels will be constructed of 3" thick fire-retardant foam bonded to 7/16" oriented strand board, with 19 ounce vinyl-coated nylon fabric, folded and stapled securely to back of 7/16" plywood. Mount to wall with manufacturer's standard seamless Z-clips. Panels shall be self-edged and not have margins.
  - 1. Size: 2'-0" width x 5'-10" height.
  - 2. Installation Method: Manufacturer's standard, Z-clip installation.
  - 3. Vinyl Covering:
    - a. Face Weight: 19 ounces.
    - b. Heavy fire-retardant, high tensile, vinyl-coated polyester fabric material. Cover material shall have a tensile strength of 100 psi, minimum.
    - c. Cover material shall be mildew and rot resistant and fortified with an infection combating fungicide.
    - d. Vinyl Covering Color: As selected by Architect from manufacturer's full range for one color.
  - 4. Where cut-out occur within padding, provide manufacturer's wall pad sleeves and molded inserts for outlets and switches. Depth to match adjacent pad thickness. Color shall be gray.
  - 5. All cutouts in panels shall be made in field to fit job conditions. All cut edges will have factory furnished applied seal or field-installed sleeves.
  - 6. Where safety pads are indicated to be installed over doors, fabricate pads to be 1 inch less than door the door width to allow for unencumbered operation. Contractor's option to provide a single safety pad or two separate safety pads to cover the door.
- D. I-Beam Pads: Pads shall be 6 feet tall and 2 inches thick, covered with 14 oz, minimum, weight vinyl facing. Color of facing to match adjacent wall pads.
  - 1. Basis-of-Design Product: Provide Porter Athletics, Inc.; Model 3560, 3562 or 3563 to suit beam width.



- E. Stage Pads: Pads shall be rigidly backed and 2 inches thick, consisting of; 2-inch foam bonded to 7/16-inch thick wood board and covered with 19 oz vinyl facing. Color of facing as selected by Architect.
- F. Panels must be inspected before installed. CAUTION: To minimize wrinkles in fabric of installed panels, wall must be either perfectly plumb, or slightly convex (bowed out) over the area to be covered. If found to be concave (bowed in), install sufficient shims at mid-section of panels to provide plumb or convex wall profile.
- G. The installing Contractor shall be responsible for proper inspection and installation of all panels. Installation shall be made in accordance with current factory suggested procedures.
- H. Warranty: 5 years.

## 2.5 SCOREBOARDS (116623.A10)

- A. Basis of Design Products: Subject to compliance with requirements, provide ~~Fair-Play wireless and LED type scoreboards.~~ **Daktronics "Model BB-2103."**
  - 1. Comparable product of one of the following will be considered:
    - a. Nevco.
    - b. ~~Daktronics.~~
    - c. **Fair-Play.**
- B. Scoreboard Types:
  - 1. ~~Fair-Play Daktronics; Model BB-2125~~ **Model BB-2101** wireless and LED type scoreboard (116623.A10 ).
    - a. Product Characteristics:
      - 1) Overall Size: Approximately ~~10 feet wide by 4 feet high by 6 inch depth~~ **8 feet wide by 4 feet high by 6 inch depth.**
      - 2) Clock and Score Modules: ~~10 inches high, others 7 inches high.~~ **10 inches high and 13 inches high.**
      - 3) Time Remaining or Time Elapsed in minutes and seconds for periods up to 99 minutes or less. Period numbered 0 - 9. Bonus and Possession arrows. Home and Visitor team scores 0 - 199. All necessary painted captions for items listed in "display".
      - 4) Horn: #350 Federal horn.
      - 5) Cable shall be 1-2 wire.
      - 6) Unit weight: Approximately ~~400~~ **120** pounds.
      - 7) Scoreboard Cabinet: All aluminum, with metal thickness of at least 0.050 inches for front and sides. All service from front of cabinet with no special tools required for access.
        - (a) **Color as selected from standard manufacturers colors.**
      - 8) Lights: LED digits.
        - (a) Color as selected by Architect.
      - 9) Electronics: UL listed, solid state low voltage encased in completely "plug-in" packs for ease of service.
      - 10) Supply wall box and set of connectors for power supply and receiver.
      - 11) Spare Parts: Include a minimum of two of each type of fuse and ten lamps.
      - 12) Power Requirements: 120V, 50/60 Hz, single phase.
      - 13) Scoreboard system and accessories shall be listed as approved for electrical safety by ETL Testing laboratories.
      - 14) Wireless Control System: Manufacturer's standard. Provide receiver, antenna and controller.
      - 15) Color: ~~Black display with black~~ **Cabinet border striping as selected from standard manufacturers colors.**
        - (a) **Seperate colors for South Valley and Discovery Middle Schools**
      - 16) Warranty: Five year warranty and lifetime service. Provide warranty against defects in workmanship and materials for one year on a factory-exchange basis. Extend warranty for and additional four years on all electronic components. Supply a service and operations manual with system.

## 2.6 GYMNASIUM CONTROL EQUIPMENT AND RELAY SYSTEM

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Porter Athletics, Inc.; "Powr-Touch 2.5 System", including but not limited to, the following components for complete control of all motorized gymnasium equipment.



1. Comparable products from other manufacturers meeting specified requirements will be considered only when submitted to and accepted by Architect prior to bidding.
  - a. Costs for modifications to the electrical system for acceptance of comparable products/system and for system substitutions shall be borne by the Contractor without additional cost to the Owner.
- B. Gymnasium Legend: Provide a custom wall-mounted graphical representation of each gymnasium. Each graphical representation shall indicate locations of each piece of equipment to be operated throughout gymnasium with a numerical indicator which corresponds to numbers on the control keypad. Provide one legend per keypad.

## 2.7 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for use and finish type indicated.
  1. Extruded Bars, Profiles, and Tubes: ASTM B 221.
  2. Cast Aluminum: ASTM B 179.
  3. Flat Sheet: ASTM B 209.
- B. Steel: Comply with the following:
  1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
  2. Steel Tubing: ASTM A 500/A 500M or ASTM A 513, cold formed.
  3. Steel Sheet: ASTM A 1011/A 1011M.
- C. Support Cable: Manufacturer's standard galvanized-stranded-steel wire rope. Provide fittings complying with wire rope manufacturer's written instructions for size, number, and installation method.
- D. Support Chain and Fittings: For chains used for overhead lifting, provide Grade 80 heat-treated alloy steel chains, complying with ASTM A 391/A 391M, with commercial-quality, hot-dip galvanized steel connectors and hangars.
- E. General-Purpose Chain: For chains not used for overhead lifting, provide carbon steel chain, complying with ASTM A 413/A 413M, Grade 30 proof coil chain or other grade recommended by gymnasium equipment manufacturer. Provide coating type, chain size, number, and installation method complying with manufacturer's written instructions.
- F. Castings and Hangers: Malleable iron, complying with ASTM A 47/A 47M; grade required for structural loading.
- G. Softwood Plywood: DOC PS 1, exterior.
- H. Particleboard: ANSI A208.1; made with binder containing no urea formaldehyde.
- I. Equipment Wall-Mounted Board: Wood, neutral-color-painted finish, size, and quantity as required to mount gymnasium equipment according to manufacturer's written instructions.
- J. Anchors, Fasteners, Fittings, and Hardware: Manufacturer's standard corrosion-resistant or noncorrodible units; concealed; tamperproof, vandal- and theft-resistant design when within 8 feet of finished floor.
- K. Grout: Nonshrink, nonmetallic, premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout, complying with ASTM C 1107/C 1107 with minimum strength recommended in writing by gymnasium equipment manufacturer.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for play court layout, alignment of mounting substrates, installation tolerances, operational clearances, accurate locations of connections to building electrical system, and other conditions affecting performance of the Work.
  1. Verify critical dimensions.
  2. Examine supporting structure, subfloors, and footings below finished floor.
  3. Examine wall assemblies, where reinforced to receive anchors and fasteners, to verify that locations of concealed reinforcements are clearly marked. Locate reinforcements and mark locations.
  4. Proceed with installation only after unsatisfactory conditions have been corrected.



### 3.2 INSTALLATION, GENERAL

- A. General: Comply with manufacturer's written installation instructions and competition rules indicated for each type of gymnasium equipment. Complete equipment field assembly where required.
- B. Unless otherwise indicated, install gymnasium equipment after other finishing operations, including painting, are completed.
- C. Permanently Placed Gymnasium Equipment and Components: Install rigid, level, plumb, square, and true; anchored securely to supporting structure; positioned at locations and elevations indicated; in proper relation to adjacent construction; and aligned with court layout.
  - 1. Floor Insert Location: Coordinate location with application of game lines and markers, and core drill floor for inserts after game lines are applied.
  - 2. Floor Insert Elevation: Coordinate installed heights of floor insert with installation and field finishing of finish flooring and type of floor plate.
  - 3. Operating Gymnasium Equipment: Verify clearances for movable components of gymnasium equipment throughout entire range of operation and for access to operating components.
  - 4. Shot Clocks and Mounting Brackets: Install in locations indicated mounting to each backstop mast at Main Court, unless directed otherwise by Architect. Securely mount bracket to mast and shot clock to bracket in accordance with manufacturer's written instructions.
- D. Floor Insert Setting: Position sleeve in oversized, recessed voids in concrete slabs. Clean voids of debris. Fill void around sleeves with grout, mixed and placed to comply with grout manufacturer's written instructions. Protect portion of sleeve above subfloor from splatter. Verify that sleeves are set plumb, aligned, and at correct height and spacing; hold in position during placement and finishing operations until grout is sufficiently cured. Set insert so top surface of completed unit is flush with finished flooring surface.
- E. Wall Pads:
  - 1. Mount with bottom edge at 4 inches above finished floor.
  - 2. Preparation:
    - a. Inspect areas and conditions where wall padding and padded safety floor mats will be installed. Notify the Architect of any condition that would adversely affect the installation or subsequent utilization of the equipment. Do not proceed with installation until satisfactory conditions are corrected.
    - b. Coordinate wall padding and padded safety floor mats installation with work of other trades. Provide setting diagrams, dimensions, and templates for items that must be built in during other construction operations.
  - 3. Installation:
    - a. General: Install all wall padding and padded safety floor mats in accordance with the manufacturer's recommendations and approved shop drawings. Set wall padding plumb, true and level, and secure anchored in place.
    - b. Mount with bottom edge flush with floor padding.
    - c. Cutout Trim: Limit cuts in face of padding so that cuts are securely and fully concealed behind trim-kit flange.
  - 4. Protection: Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensures that wall padding is without damage or deterioration at time of Substantial Completion.
- F. Anchoring to In-Place Construction: Use anchors and fasteners where necessary to secure built-in and permanently placed gymnasium equipment to structural support and to properly transfer load to in-place construction.
- G. Connections: Connect electric operators to building electrical system.
- H. Removable Gymnasium Equipment and Components: Assemble in place to verify that equipment and components are complete and in proper working order. Instruct Owner's designated personnel in properly handling, assembling, adjusting, disassembling, transporting, storing, and maintaining units. Disassemble removable gymnasium equipment after assembled configuration is approved by Architect and Owner, and store units in location indicated on Drawings.
- I. Scoreboards: Mount where indicated on Drawings in strict accordance with manufacturer's written instructions.



### 3.3 ADJUSTING

- A. Adjust movable components of gymnasium equipment to operate safely, smoothly, easily, and quietly; free from binding, warp, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range; and lubricate as recommended in writing by manufacturer.
- B. Remove packaging and other debris from the project site.

### 3.4 CLEANING

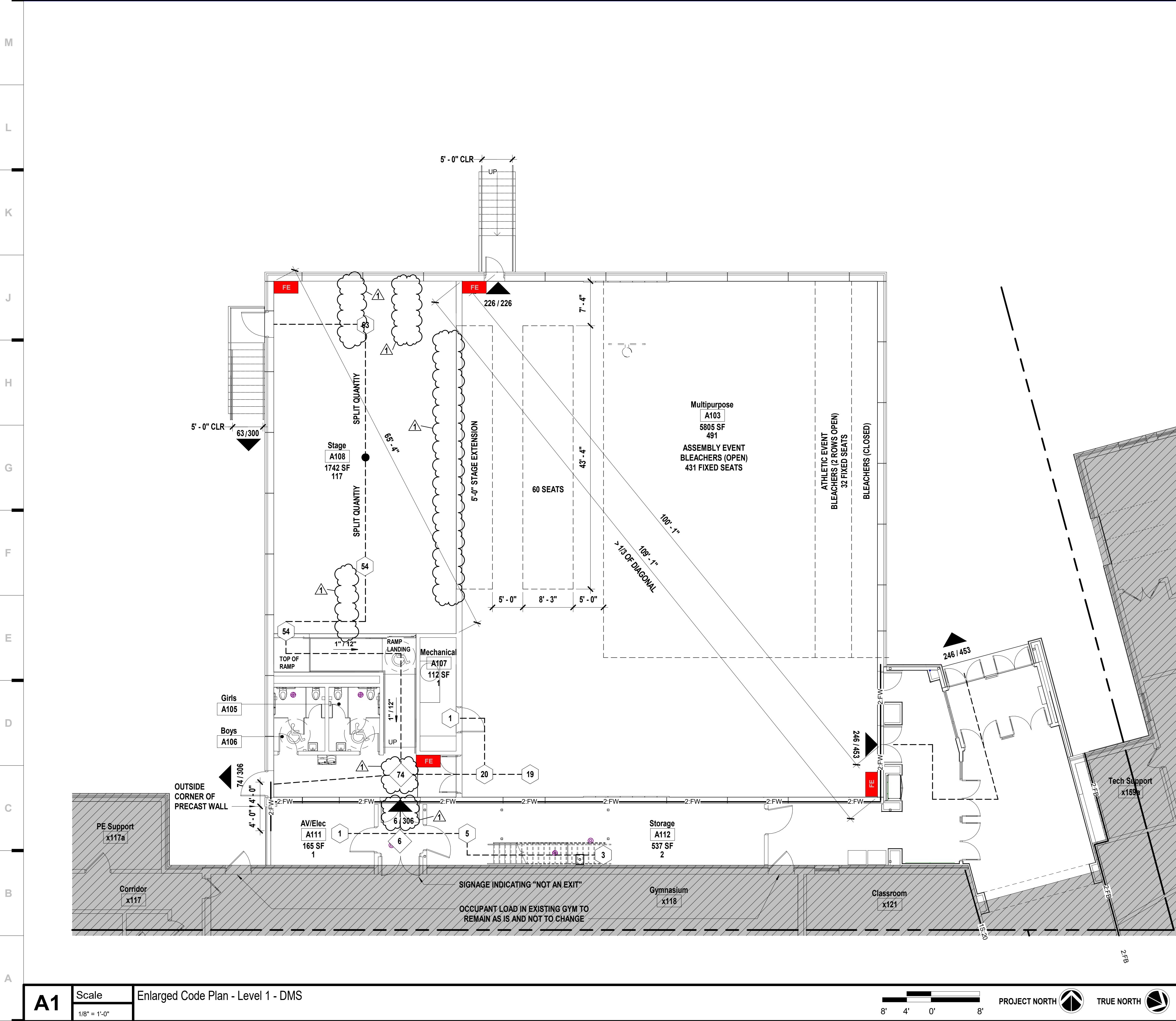
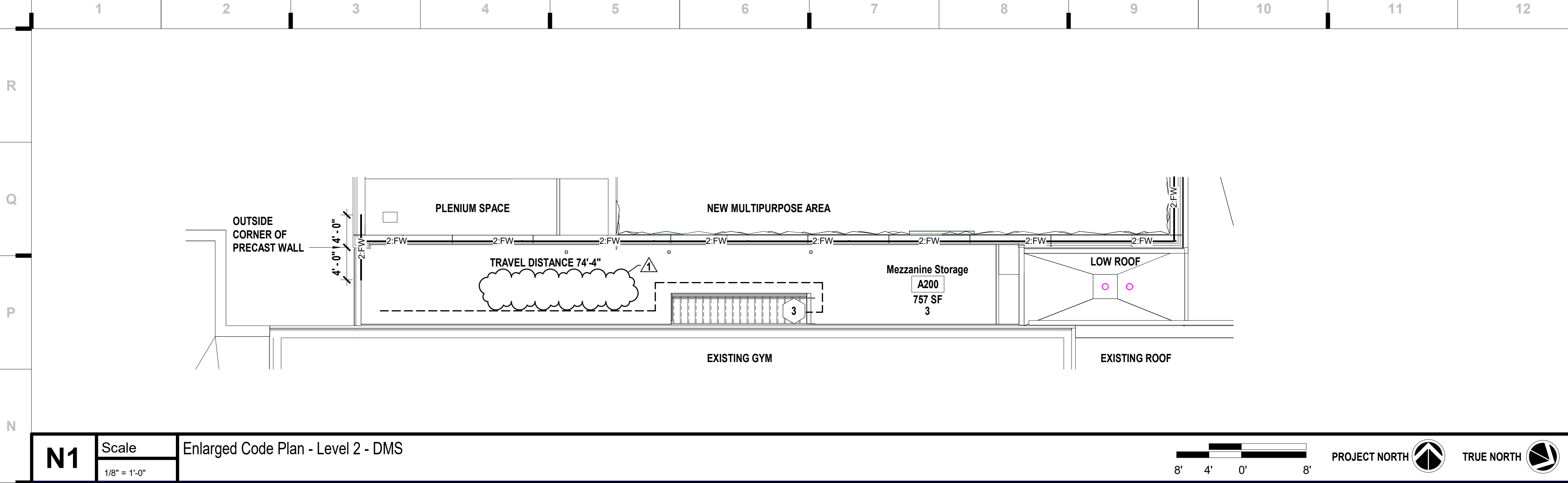
- A. After completing gymnasium equipment installation, inspect components. Remove spots, dirt, and debris and touch up damaged shop-applied finishes according to manufacturer's written instructions.
- B. Replace gymnasium equipment and finishes that cannot be cleaned and repaired, in a manner approved by Architect, before time of Substantial Completion.

### 3.5 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain gymnasium equipment.

END OF SECTION 116623





## STORM SHELTER OCCUPANT LOAD

USABLE SPACES WITHIN SHELTER:

GROSS AREA OF USABLE SPACES: 8938 SF  
USABLE FLOOR AREA OF SHELTER: 8488 SF

USABLE SPACE IS BASED UPON ACTUAL NET AREA PER 501.1.2.2

STANDING OR SEATED OCCUPANTS: 1758  
WHEELCHAIR SPACES: 9  
TOTAL OCCUPANCY OF SHELTER: 1767

## VENTILATION AREA

TOTAL OCCUPANCY OF SHELTER: 1767  
VENTING AREA PER OCCUPANT: 6 SQ IN (TABLE 702.1.1)  
MINIMUM VENTING AREA REQUIRED: 10602 SQ IN

## REQUIRED SANITATION FACILITIES

TOILET FACILITIES: REQUIRED: 4 PROVIDED: 4  
HANDWASHING FACILITIES: REQUIRED: 2 PROVIDED: 2

## GYMNASIUM OCCUPANT LOAD

ASSEMBLY

|                           |                    |     |  |
|---------------------------|--------------------|-----|--|
| ASSEMBLY EVENT            |                    |     |  |
| BLEACHERS                 | FIXED' at 18"/occ  | 431 |  |
| TEMPORARY SEATING         | 420 sf at 7 sf/occ | 60  |  |
| TEMPORARY STAGE           | 0 sf at 15 sf/occ  | 0   |  |
| TOTAL ASSEMBLY OCCUPANTS: |                    | 491 |  |

|                           |                     |     |  |
|---------------------------|---------------------|-----|--|
| ATHLETIC EVENT            |                     |     |  |
| BLEACHERS                 | FIXED' at 18"/occ   | 60  |  |
| GYM FLOOR                 | 3205 sf at 50sf/occ | 65  |  |
| TOTAL ATHLETIC OCCUPANTS: |                     | 125 |  |

## CODE LEGEND

1:20 1:20 1:20 1:20 1:20  
1 HOUR FIRE PARTITION W/ 20 MIN DOORS  
1:45 1:45 1:45 1:45 1:45  
1 HOUR FIRE BARRIER W/ 45 MIN. DOORS  
2:FB 2:FB 2:FB 2:FB 2:FB  
2 HOUR FIRE BARRIER W/ 90 MIN DOORS  
2:FW 2:FW 2:FW 2:FW 2:FW  
2 HOUR FIRE WALL W/ 90 MIN DOORS  
1S:20 1S:20 1S:20 1S:20  
EXISTING CONDITION

NEW ADDITION - HIGH WIND AREA  
SPRINKLERED

NEW ADDITION  
SPRINKLERED

EXISTING BUILDING - NO WORK  
SPRINKLERED

EXISTING BUILDING - ALTERATION LEVEL 1  
ALTERATIONS DO NOT INVOLVE SPACE  
RECONFIGURATION

FRONTAGE AREA

FH

FIRE HYDRANT

FDC

FIRE DEPARTMENT CONNECTION

FACP

FIRE ALARM CONTROL PANEL

FDA

FIRE DEPARTMENT ACCESS (KNOX BOX)

FE

FIRE EXTINGUISHER:  
ON BRACKET: MOUNT HANDLE 48" MAX AFF  
IN CABINET: BOTTOM OF CABINET 32" AFF

123 / 345

EXIT COMPONENT

123

CAPACITY

456

ACTUAL OCCUPANT LOAD

131' - 6"

OCCUPANT COUNT @ ROOM EXIT

131' - 6"

OCCUPANT SUM

TRAVEL DISTANCE

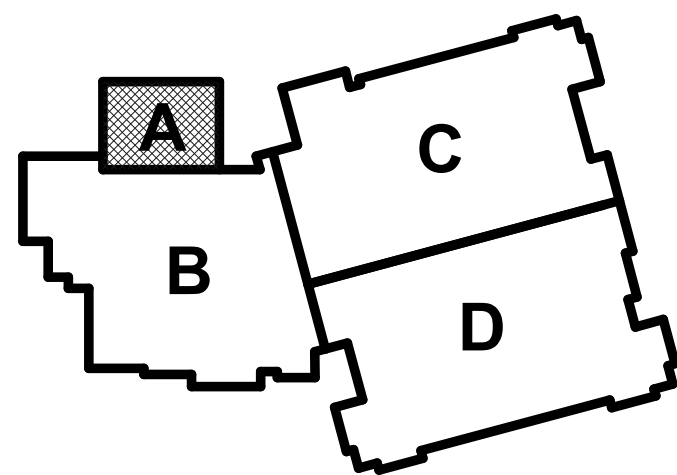
## Code BLDG 1 Occupant Load Table

| Rm No                        | Room Name    | Function of Space                                  | Area (SF) | Occupant Load Factor | Space Occupancy Load |
|------------------------------|--------------|--|-----------|----------------------|----------------------|
| A103                         | Multipurpose | Assembly With Fixed Seats                          | 5805 SF   | 0 SF                 | 491                  |
| A107                         | Mechanical   | Accessory Storage Areas, Mechanical Equipment Room | 112 SF    | 300 SF               | 1                    |
| A108                         | Stage        | Stages and Platforms                               | 1742 SF   | 15 SF                | 117                  |
| Total Building Occupant Load |              |  | 7659 SF   |                      | 609                  |

## Code BLDG 2 Occupant Load Table

| Rm No                        | Room Name         | Function of Space                                  | Area (SF) | Occupant Load Factor | Space Occupancy Load |
|------------------------------|-------------------|--|-----------|----------------------|----------------------|
| A111                         | AV/Elec           | Accessory Storage Areas, Mechanical Equipment Room | 165 SF    | 300 SF               | 1                    |
| A112                         | Storage           | Accessory Storage Areas, Mechanical Equipment Room | 537 SF    | 300 SF               | 2                    |
| Level 1                      |                   |  |           |                      | 3                    |
| A200                         | Mezzanine Storage | Accessory Storage Areas, Mechanical Equipment Room | 757 SF    | 300 SF               | 3                    |
| Level 2                      |                   |  |           |                      | 3                    |
| Total Building Occupant Load |                   |  |           |                      | 6                    |

## KEY PLAN



## ENLARGED CODE PLAN - STORM SHELTER PLAN

we design the future™  
1828 Walnut Street Suite 922  
Kansas City, MO 64108  
1 816.442.7700  
115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
1 720.949.1589  
HOLLISANDMILLER.COM

Holla + Miller Architects  
Missouri State Certificate of Authority  
Architecture #000001  
Structure # 200601333

Bob D Campbell  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

Smith & Boucher, Inc.  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC000178  
25615 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

MKEC Engineering, Inc.  
Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027139  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.9390 phone

Peerbolte Creative  
Theatrical Consultant  
109 E Pine St.  
Warrensburg, MO 64093-0752  
660.429.1383 phone

Avant Acoustics  
AV/Acoustics Consultant  
14827 West 95th St  
Lenexa, KS 66215  
913.888.9111 phone

Discovery Middle School Storm Shelter Addition

Liberty Public Schools  
800 Midjay Dr, Liberty, MO 64068

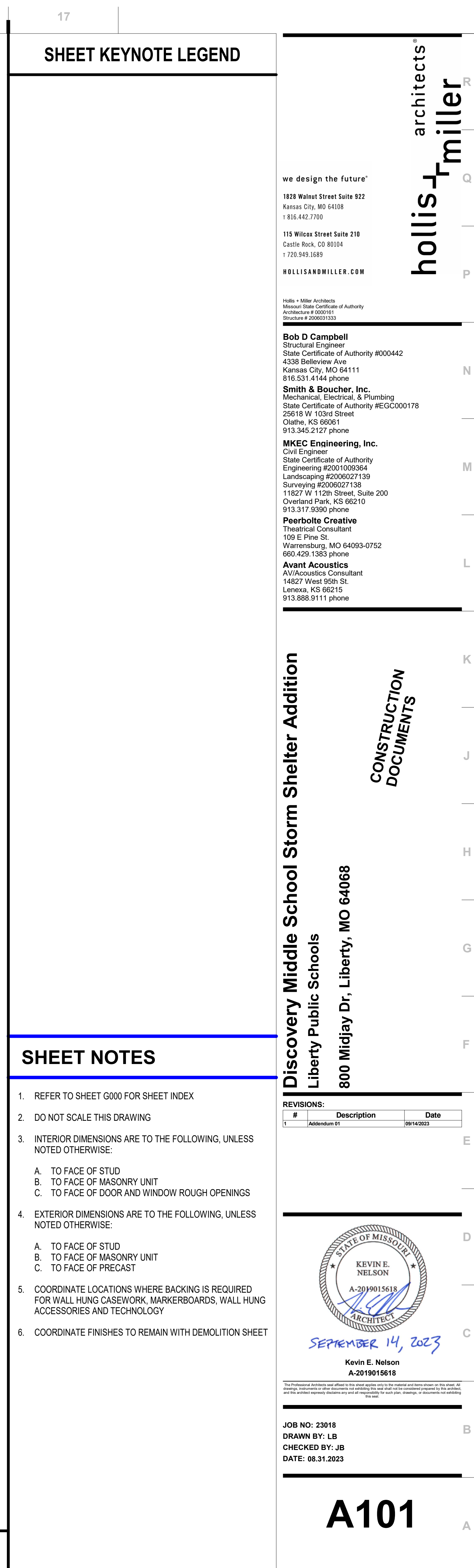
REVISIONS:  
# Description Date  
1 Addendum 01 09/14/2023

STATE OF MISSOURI  
KEVIN E. NELSON  
A-2019015618  
ARCHITECT  
SEPTEMBER 14, 2023  
Kevin E. Nelson  
A-2019015618

JOB NO: 23018  
DRAWN BY: KL  
CHECKED BY: JB  
DATE: 08.31.2023

G102





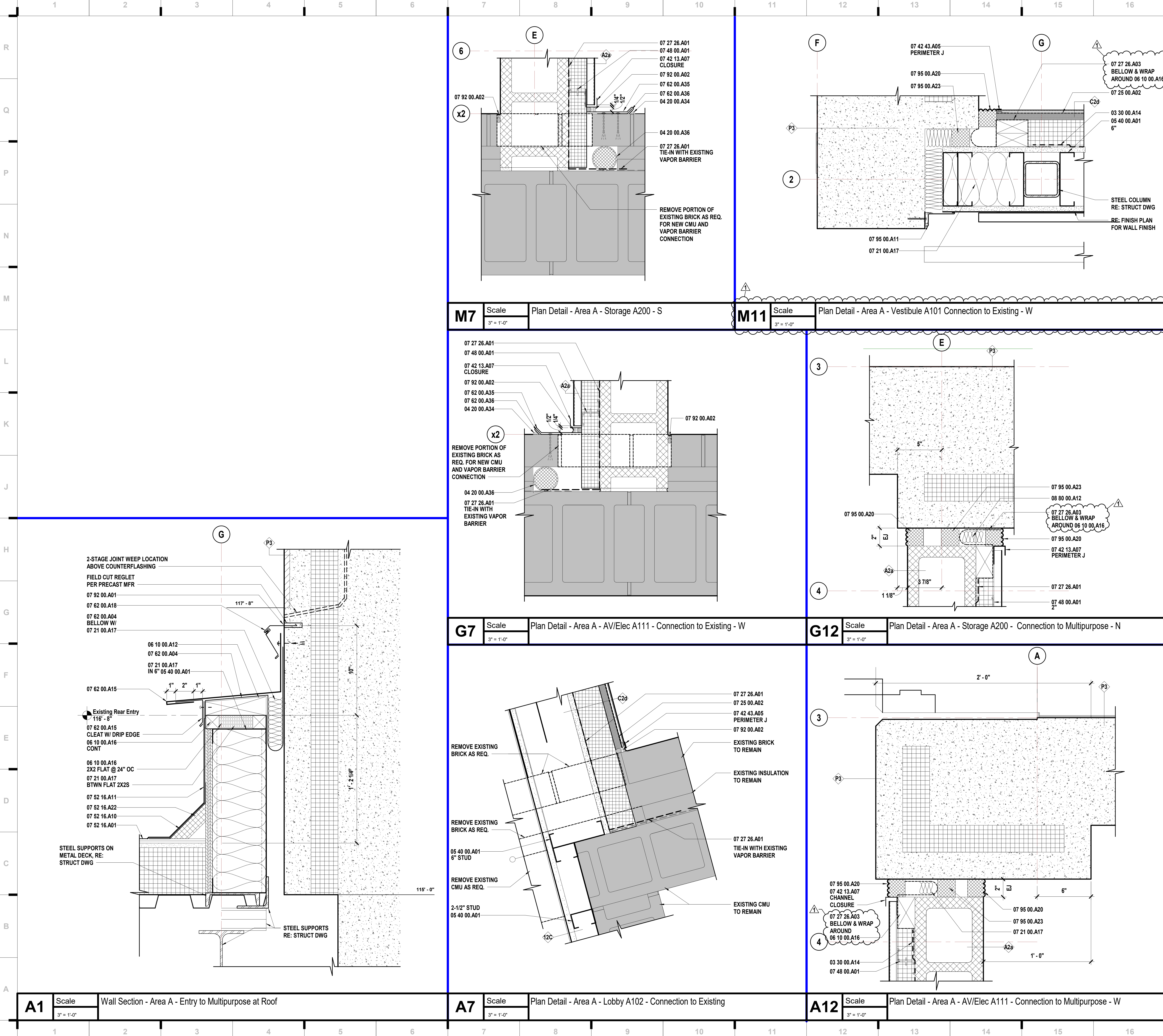












### SHEET KEYNOTE LEGEND

|              |  |
|--------------|--|
| 03 30 00.A14 | VAPOR RETARDERS                                  |
| 04 20 00.A34 | FLASHING TERMINATION BARS                        |
| 04 20 00.A36 | TUBULAR COMPRESSIBLE FILLERS                     |
| 05 40 00.A01 | COLD-FORMED METAL FRAMING                        |
| 06 10 00.A12 | PRESERVATIVE TREATED WOOD BLOCKING/NAILERS       |
| 06 10 00.A16 | FIRE-RETARDANT TREATED WOOD BLOCKING & NAILERS   |
| 07 21 00.A17 | MINERAL WOOL                                     |
| 07 25 00.A02 | SELF-ADHERING WEATHER BARRIERS                   |
| 07 27 26.A01 | VAPOR RETARDING FLUID-APPLIED AIR BARRIER        |
| 07 27 26.A03 | TRANSITION MEMBRANE                              |
| 07 42 13.A07 | FLASHING AND TRIM                                |
| 07 42 43.A05 | TRIM   |
| 07 48 00.A01 | RAINSCREEN FURRING SYSTEM                        |
| 07 52 16.A01 | MODIFIED BITUMINOUS ROOFING SYSTEM               |
| 07 52 16.A10 | BASE FLASHING                                    |
| 07 52 16.A11 | VERTICAL WALL FLASHING (MODIFIED BITUMINOUS)     |
| 07 52 16.A22 | INSULATION CANT STRIPS                           |
| 07 62 00.A04 | FLEXIBLE MEMBRANE CLOSURE                        |
| 07 62 00.A15 | ROOF TO WALL EXPANSION JOINT COVER               |
| 07 62 00.A18 | COUNTER FLASHING                                 |
| 07 62 00.A35 | PRE-FINISHED MISC METAL FLASHING                 |
| 07 62 00.A36 | CLEAT  |
| 07 92 00.A01 | SEALANT  |
| 07 92 00.A02 | SEALANT W/BACKER ROD                             |
| 07 95 00.A11 | CEILING-TO-WALL JOINT SYSTEM                     |
| 07 95 00.A20 | EXTERIOR PRE-FORMED CELLULAR FOAM                |
| 07 95 00.A23 | PRE-FORMED CELLULAR FOAM SECONDARY SEAL          |
| 08 80 00.A12 | 3/8" CLEAR FULLY-TEMPERED MONOLITHIC FLOAT GLASS |

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1828 Walnut Street Suite 922  
Kansas City, MO 64108  
816.442.7700

115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
720.949.1689

HOLLISANDMILLER.COM

Hollis + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 0000101  
Structure # 200601333

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
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11827 W 112th Street, Suite 200  
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**Discovery Middle School Storm Shelter Addition**  
Liberty Public Schools  
800 Midjay Dr, Liberty, MO 64068

**REVISIONS:**

| # | Description | Date       |
|---|-------------|------------|
| 1 | Addendum 01 | 09/14/2023 |

**Kevin E. Nelson**  
A-2019015618  
ARCHITECT

SEPTEMBER 14, 2023

Kevin E. Nelson  
A-2019015618

This Professional Address and seal are placed on the sheet as a sign of the architect's responsibility for the work. All drawings, specifications and schedules are submitted to the client and are intended to be used as a guide only. The architect assumes no responsibility for the construction of the work unless specifically stated in the contract documents.

JOB NO: 23018  
DRAWN BY: KL  
CHECKED BY: JB  
DATE: 08.31.2023

# A371





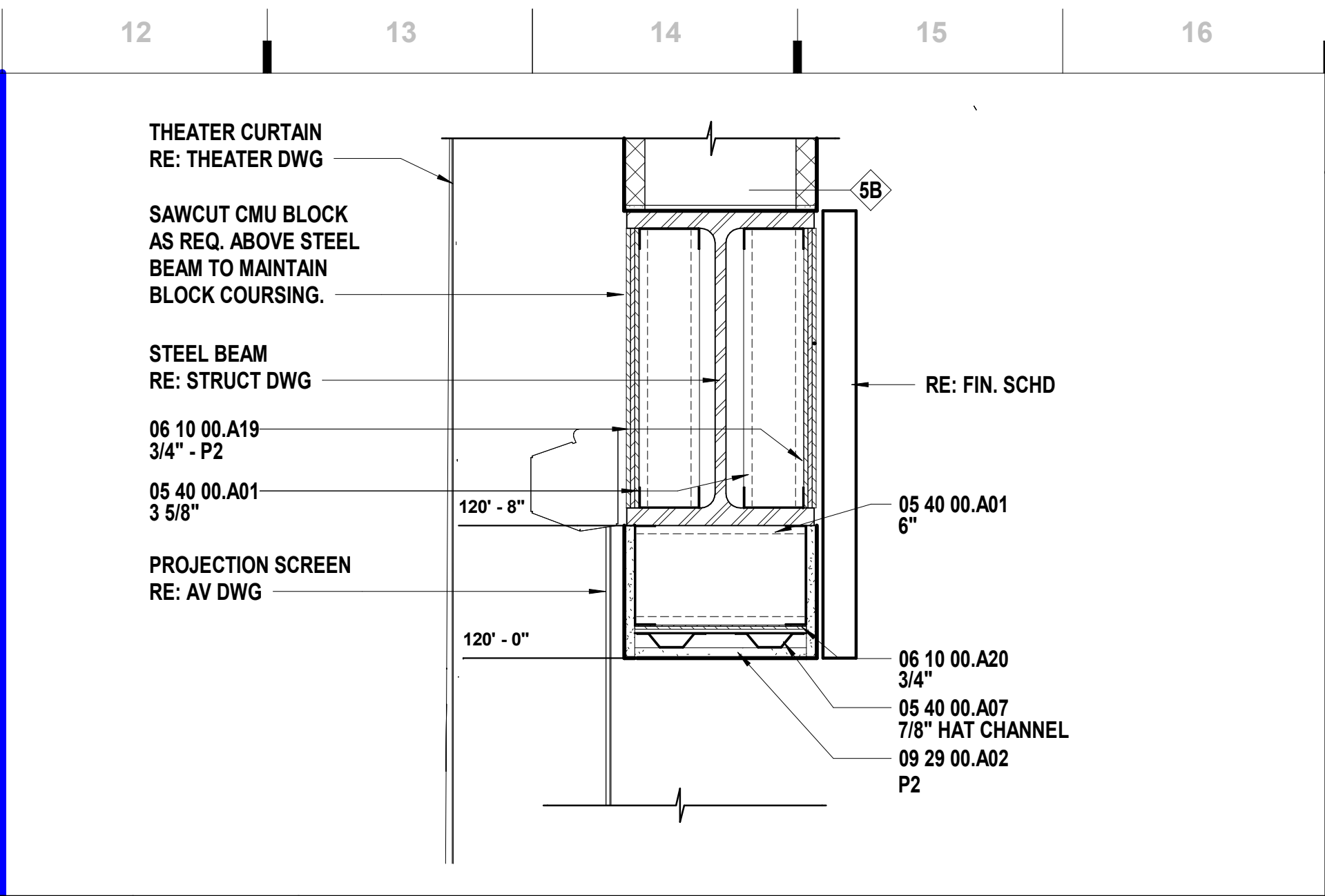
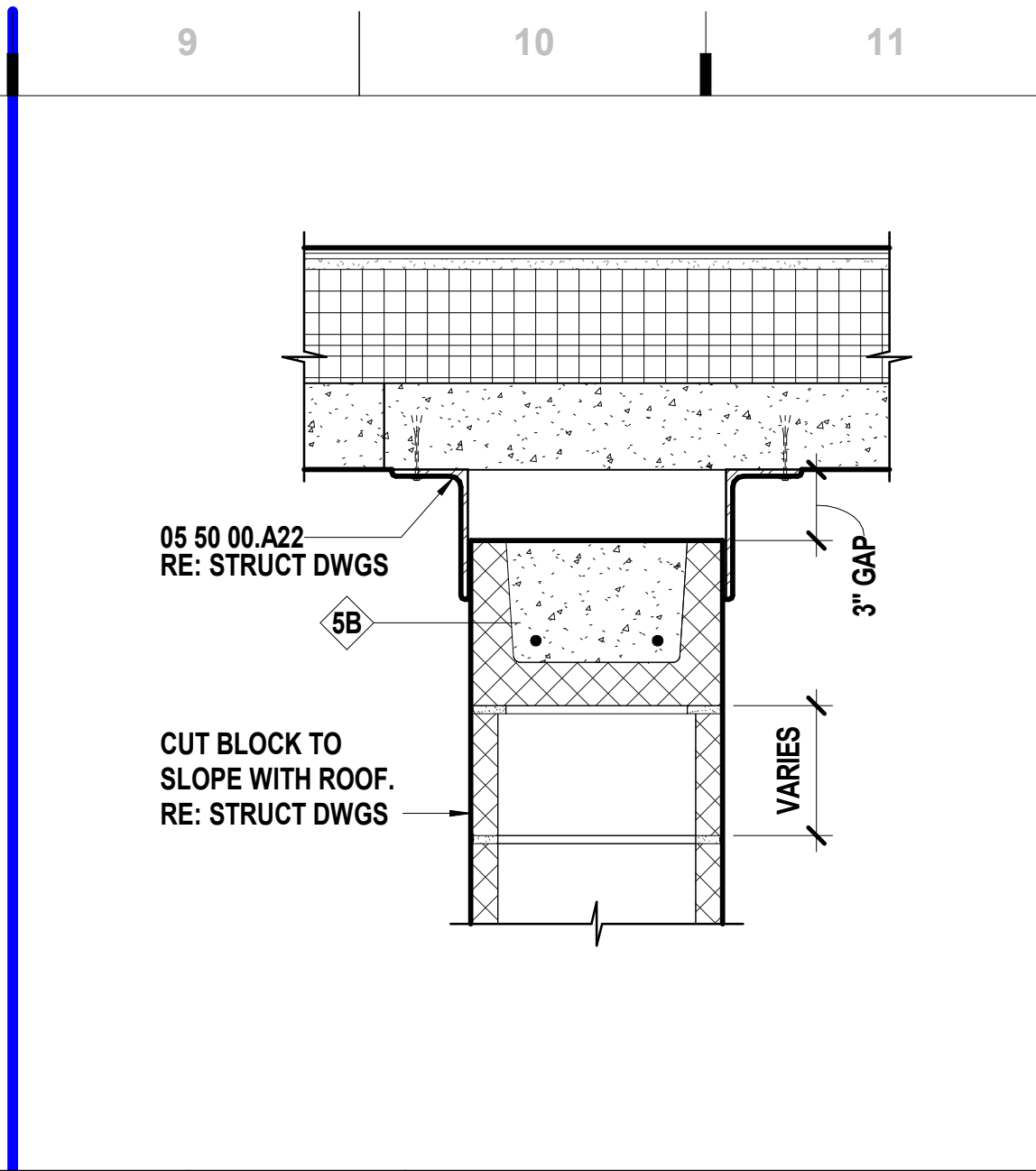
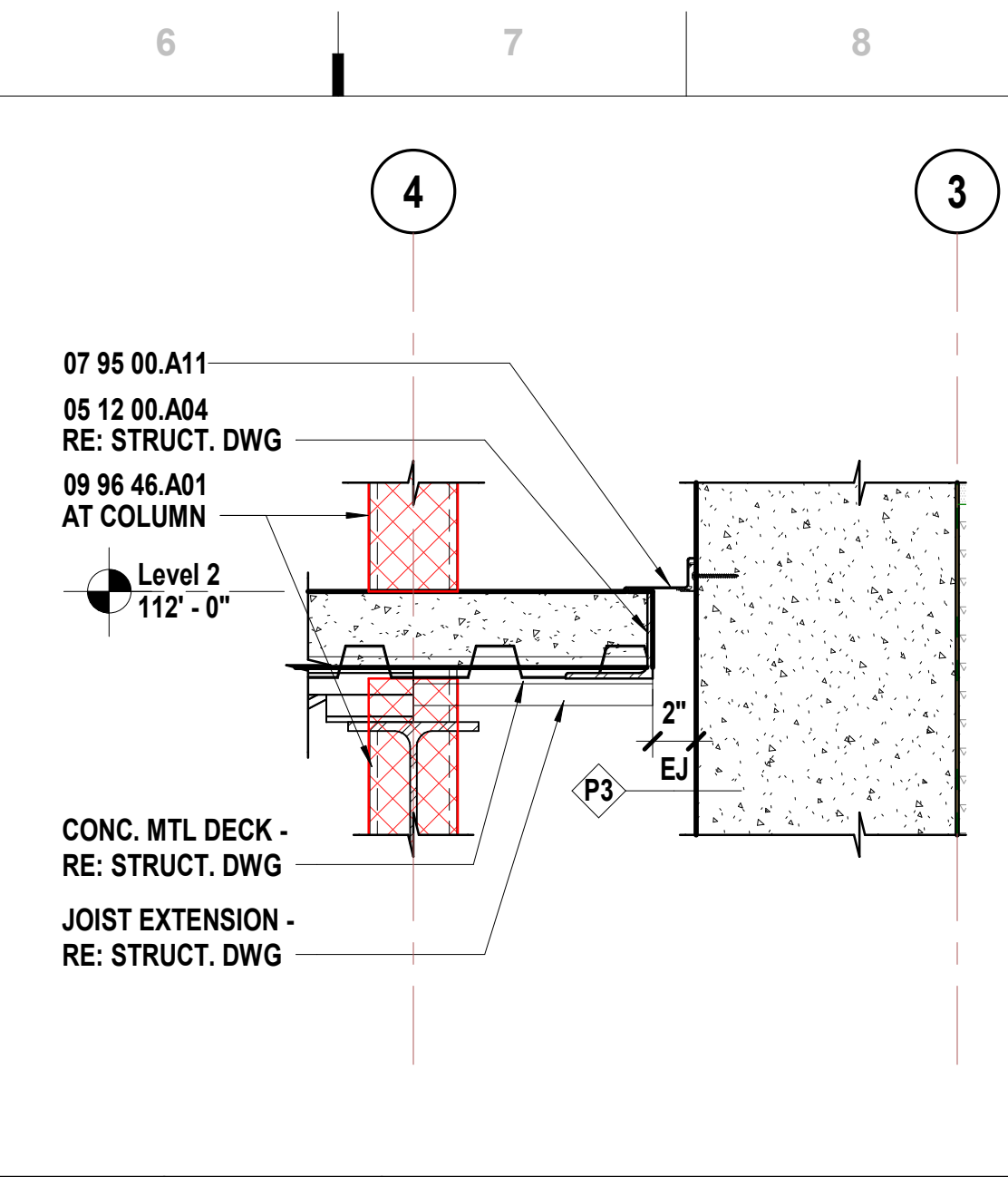
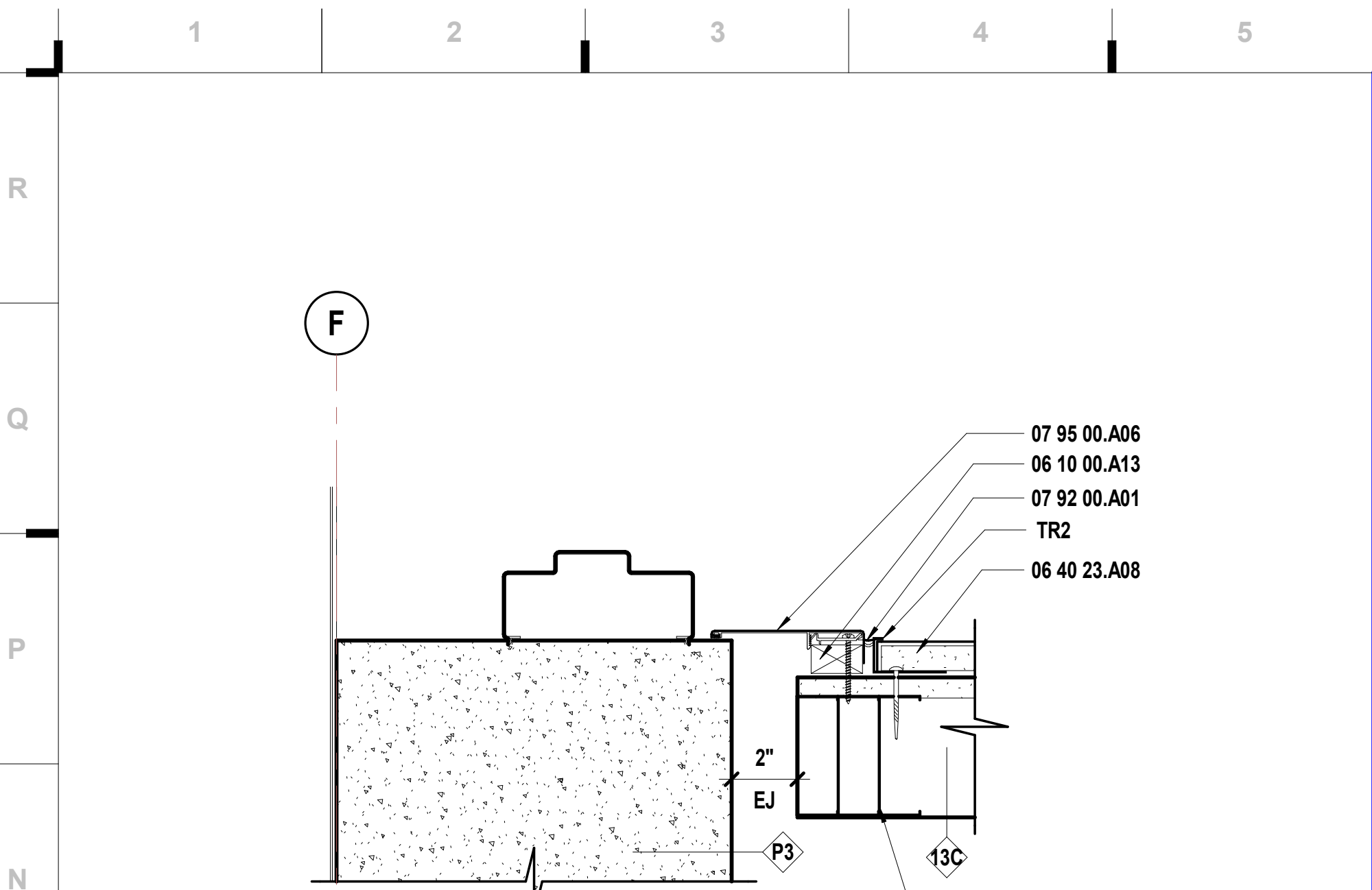








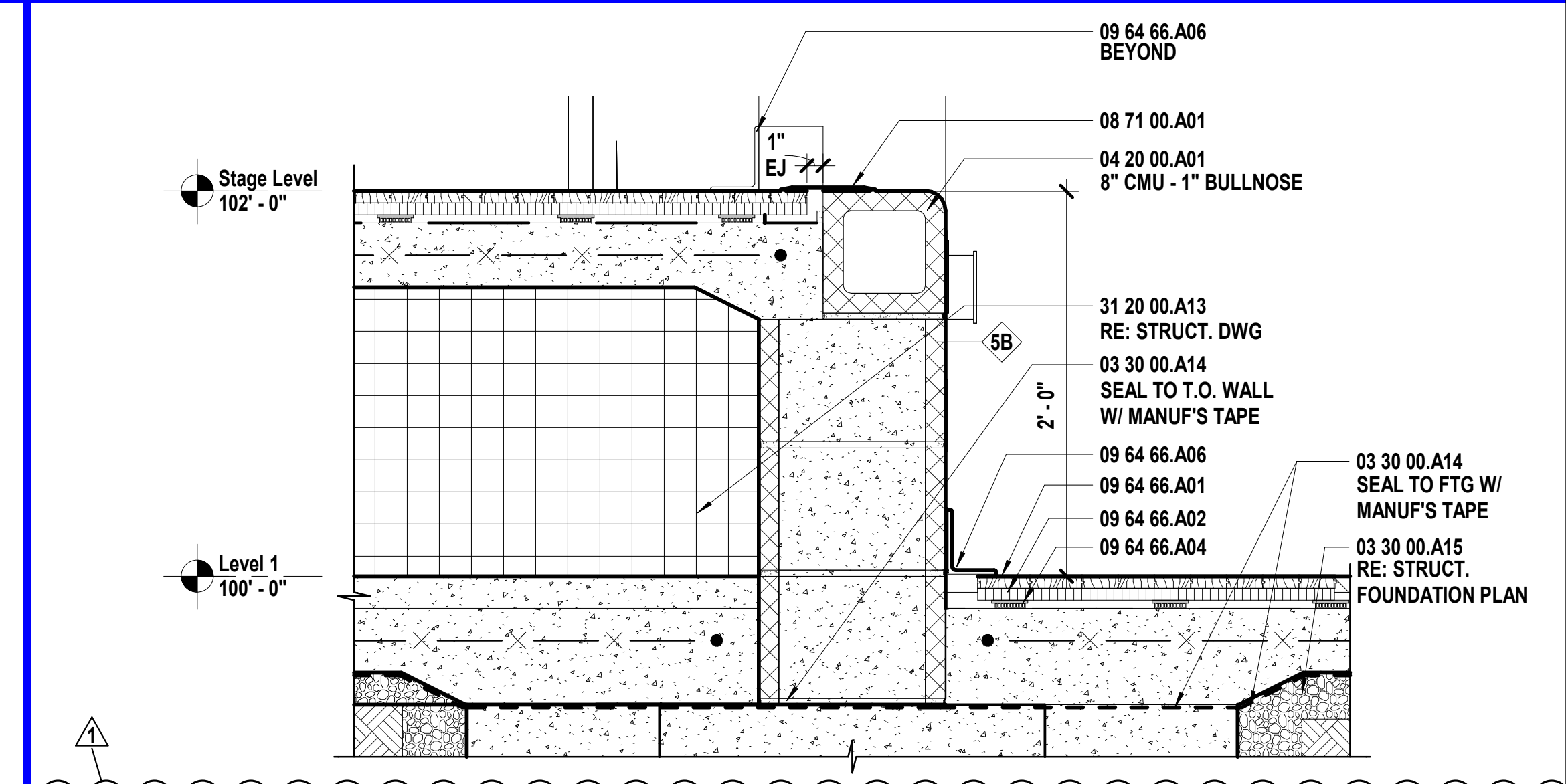
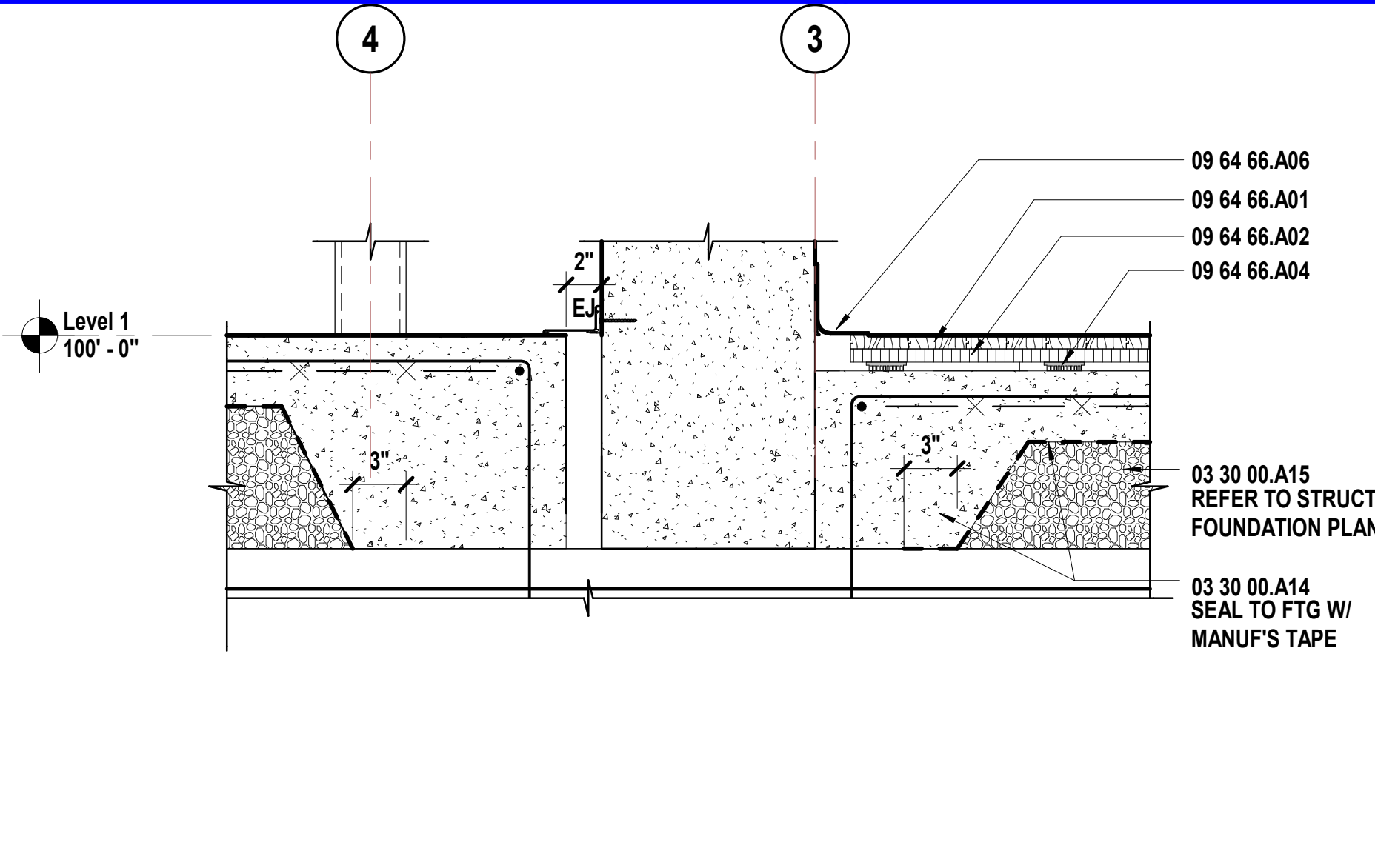




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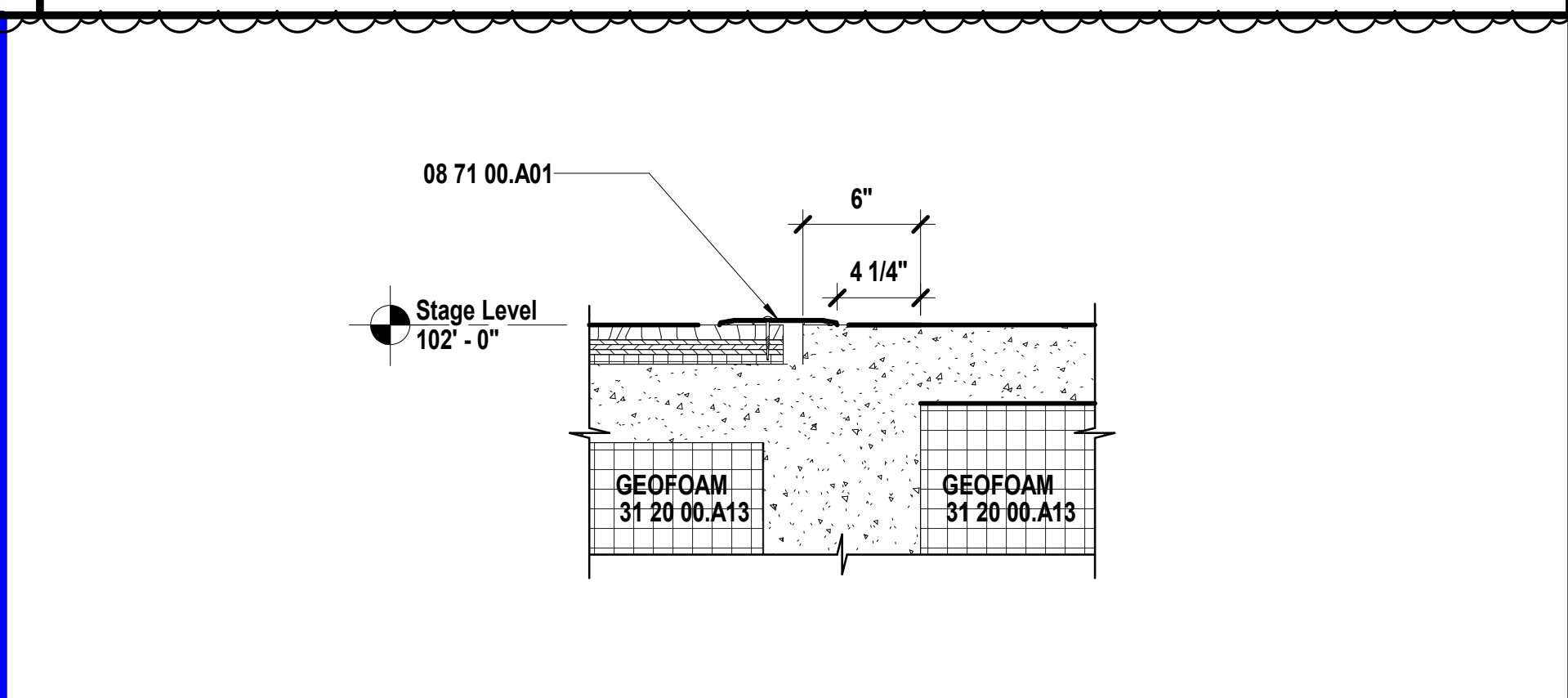
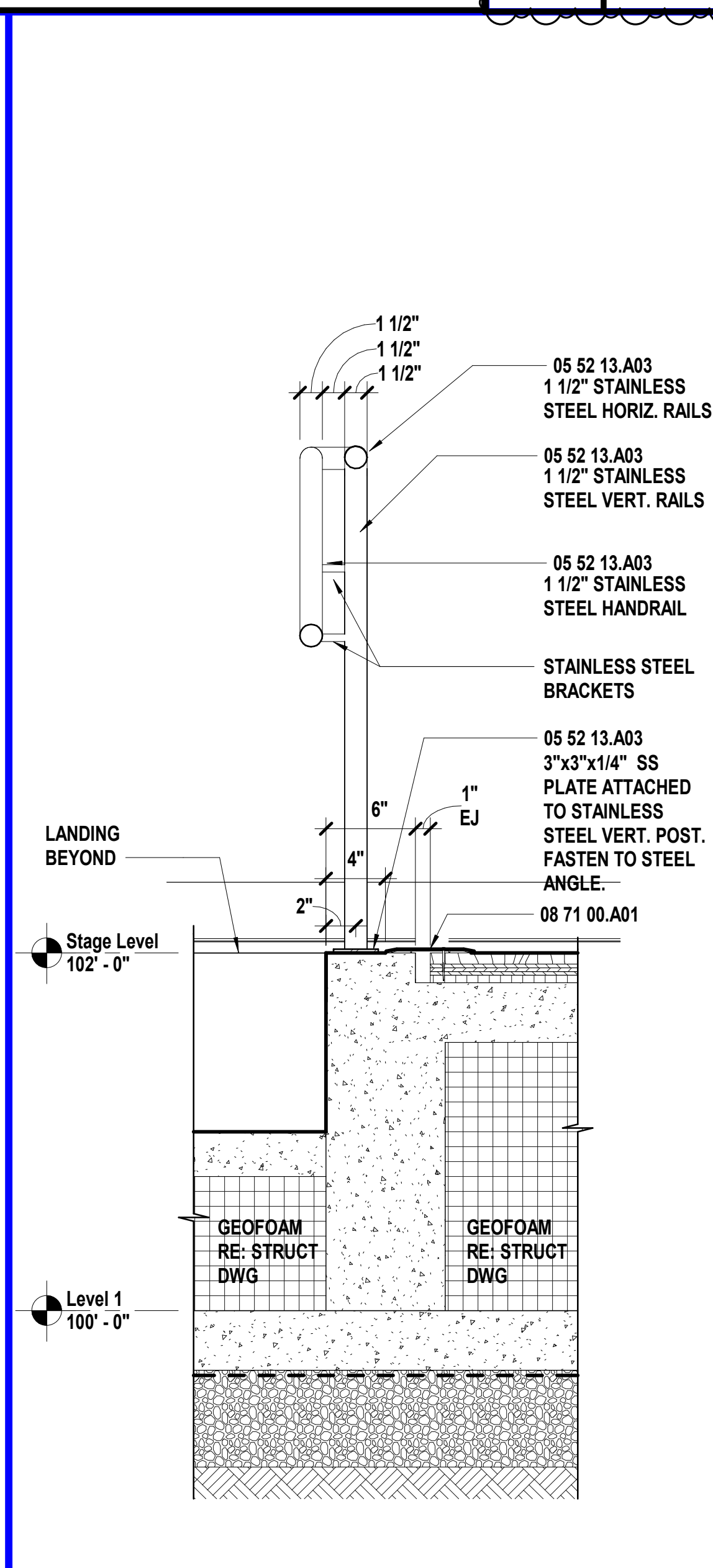
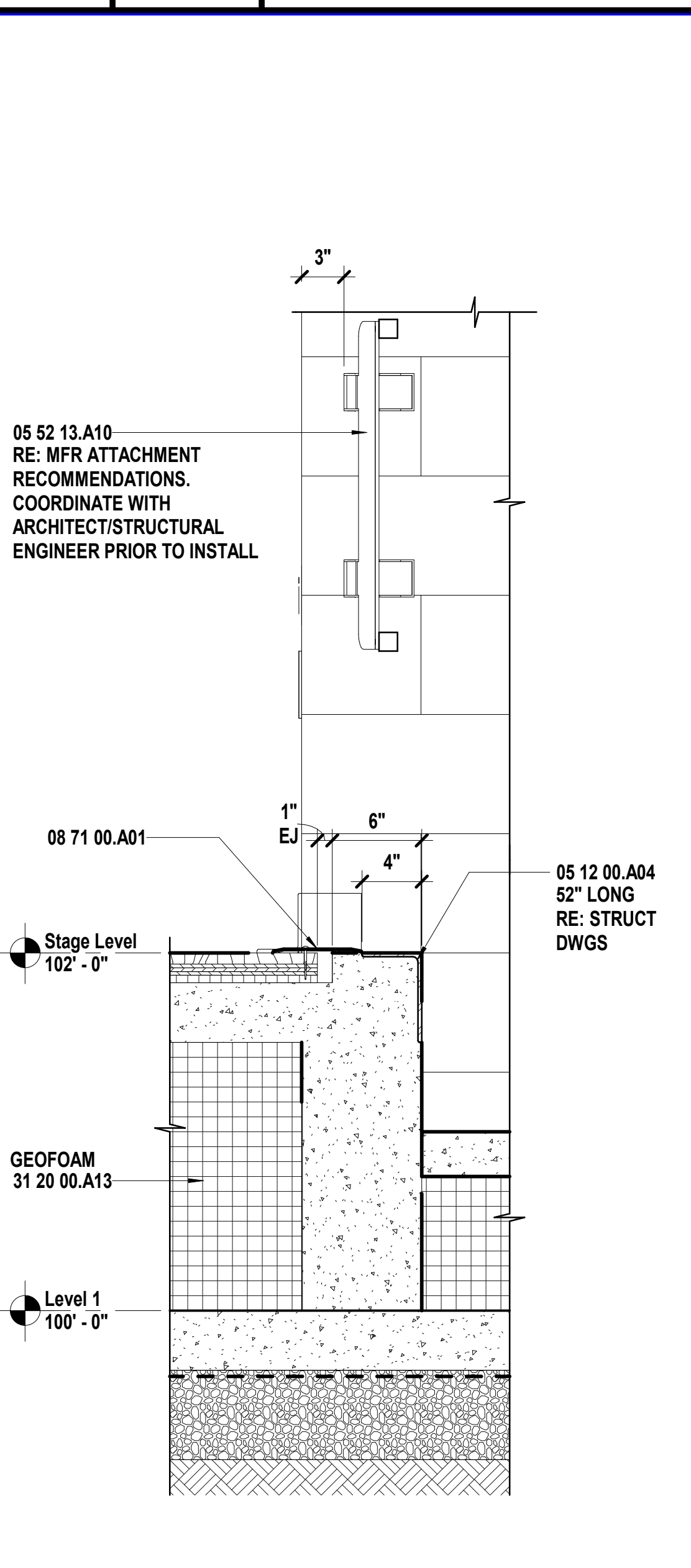
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**N12** Scale 1 1/2\"/>

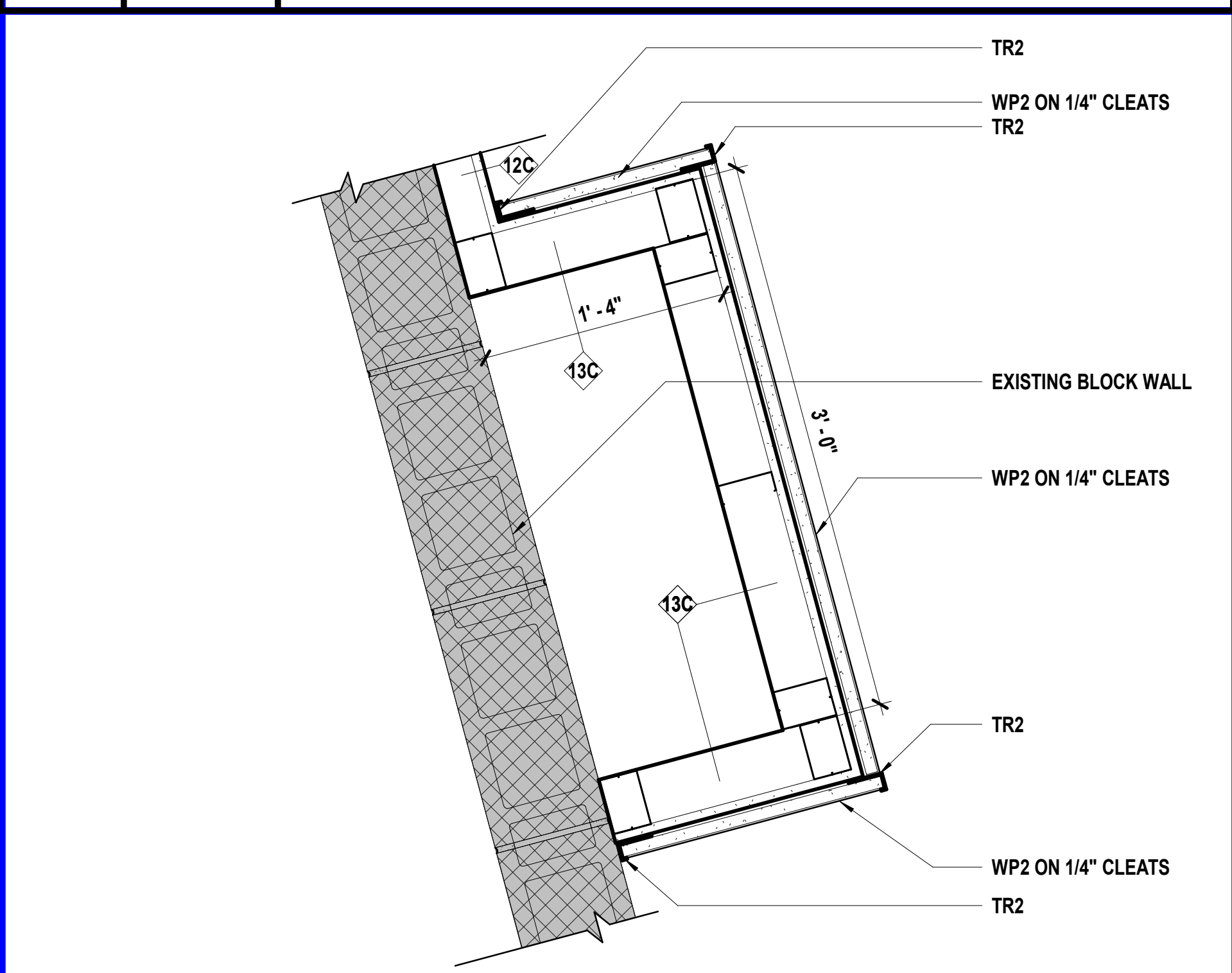


**J6** Scale 1 1/2\"/>

**J11** Scale 1 1/2\"/>



**F12** Scale 1 1/2\"/>

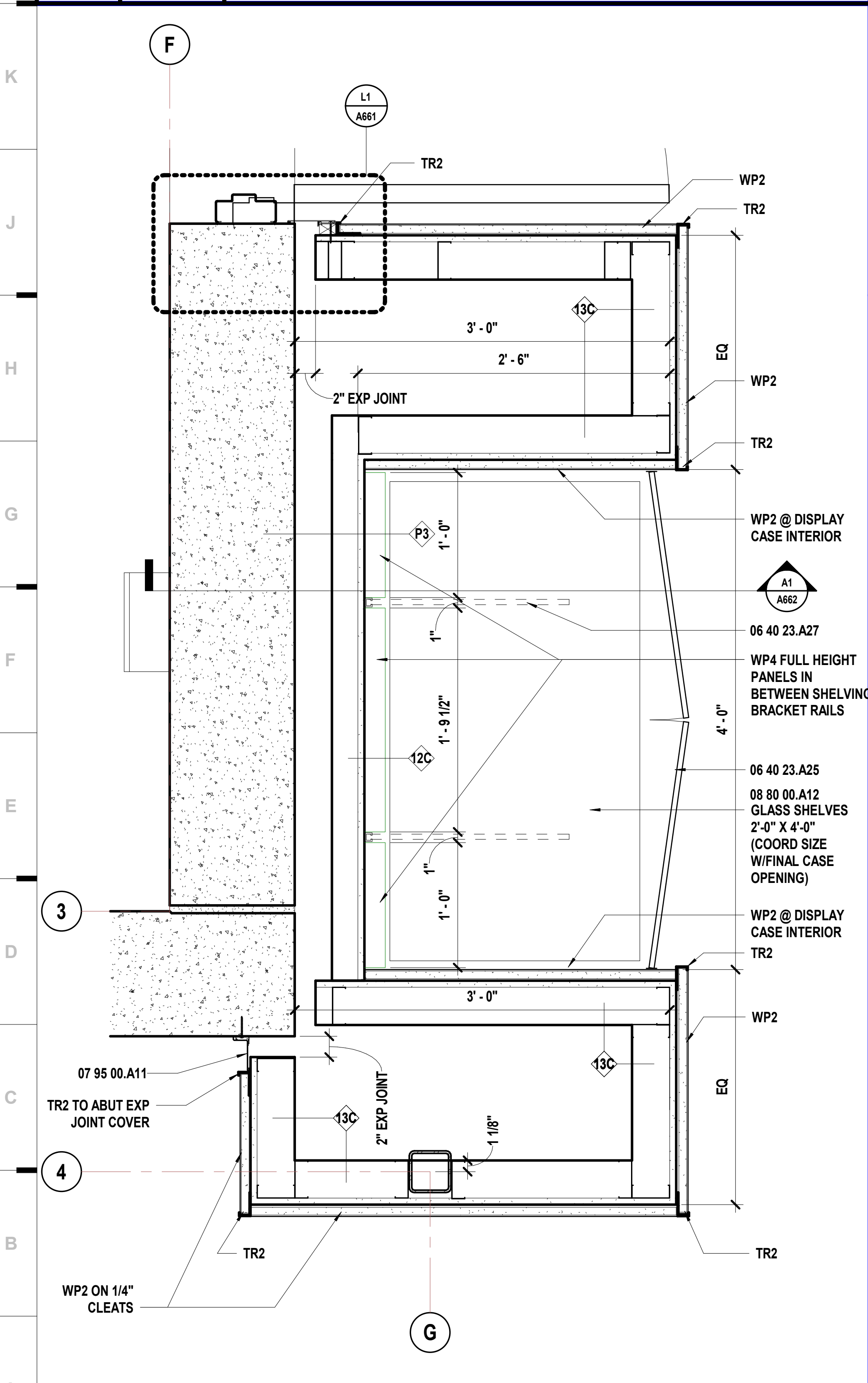


**A6** Scale 1 1/2\"/>

**A9** Scale 1 1/2\"/>

**A12** Scale 1 1/2\"/>

**L1** Scale 3\"/>



**A1** Scale 1 1/2\"/>

## SHEET KEYNOTE LEGEND

|              |  |
|--------------|--|
| 03 30 00.A14 | VAPOR RETARDERS  |
| 03 30 00.A15 | GRANULAR DRAINAGE FILL                                     |
| 04 20 00.A01 | CONCRETE MASONRY UNITS                                     |
| 05 12 00.A04 | ANGLE  |
| 05 40 00.A01 | COLD-FORMED METAL FRAMING                                  |
| 05 40 00.A07 | MISCELLANEOUS FRAMING/FURRING                              |
| 05 50 00.A22 | LOOSE STEEL LINTEL   |
| 05 52 13.A03 | STAINLESS STEEL PIPE AND TUBE RAILINGS                     |
| 05 52 13.A10 | GATE   |
| 06 10 00.A13 | WOOD BLOCKING/NAILERS                                      |
| 06 10 00.A19 | PLYWOOD BLOCKING AND BACKING PANELS                        |
| 06 10 00.A20 | FIRE-RETARDANT TREATED PLYWOOD BLOCKING AND BACKING PANELS |
| 06 40 23.A08 | PLASTIC LAMINATE-CLAD PANELS                               |
| 06 40 23.A25 | SWINGING DISPLAY CASE DOOR SYSTEM                          |
| 06 40 23.A27 | DISPLAY CASE SHELVING SYSTEM                               |
| 07 92 00.A01 | SEALANT  |
| 07 95 00.A06 | WALL-TO-WALL JOINT SYSTEM                                  |
| 07 95 00.A11 | CEILING-TO-WALL JOINT SYSTEM                               |
| 08 71 00.A01 | THRESHOLDS   |
| 08 80 00.A12 | 3/8\"/>  |
| 09 21 16.A01 | NON-STRUCTURAL FRAMING                                     |
| 09 29 00.A02 | GYPSUM BOARD - TYPE X                                      |
| 09 64 66.A01 | WOOD ATHLETIC FLOOR  |
| 09 64 66.A02 | UNDERLAYMENT   |
| 09 64 66.A04 | RESILIENT PADS   |
| 09 64 66.A06 | RESILIENT WALL BASE (VENTED)                               |
| 09 96 46.A01 | INTUMESCENT PAINT  |
| 31 20 00.A13 | GEOFOAM  |

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Kansas City, MO 64108  
816.442.7700  
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Castle Rock, CO 80104  
720.949.1689  
HOLLISANDMILLER.COM

Holla + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 000001  
Structure # 200001333

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

**Smith & Boucher, Inc.**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC000178  
25615 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

**MKEC Engineering, Inc.**  
Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027139  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.9390 phone

**Peerbolte Creative**  
Theatrical Consultant  
109 E Pine St.  
Warrensburg, MO 64093-0752  
660.429.1383 phone

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AV/Acoustics Consultant  
14827 West 95th St.  
Lenexa, KS 66215  
913.888.9111 phone

## Discovery Middle School Storm Shelter Addition

Liberty Public Schools  
800 Midjay Dr, Liberty, MO 64068

## CONSTRUCTION DOCUMENTS

| # | Description | Date       |
|---|-------------|------------|
| 1 | Addendum 01 | 09/14/2023 |



SEPTEMBER 14, 2023  
Kevin E. Nelson  
A-2019015618

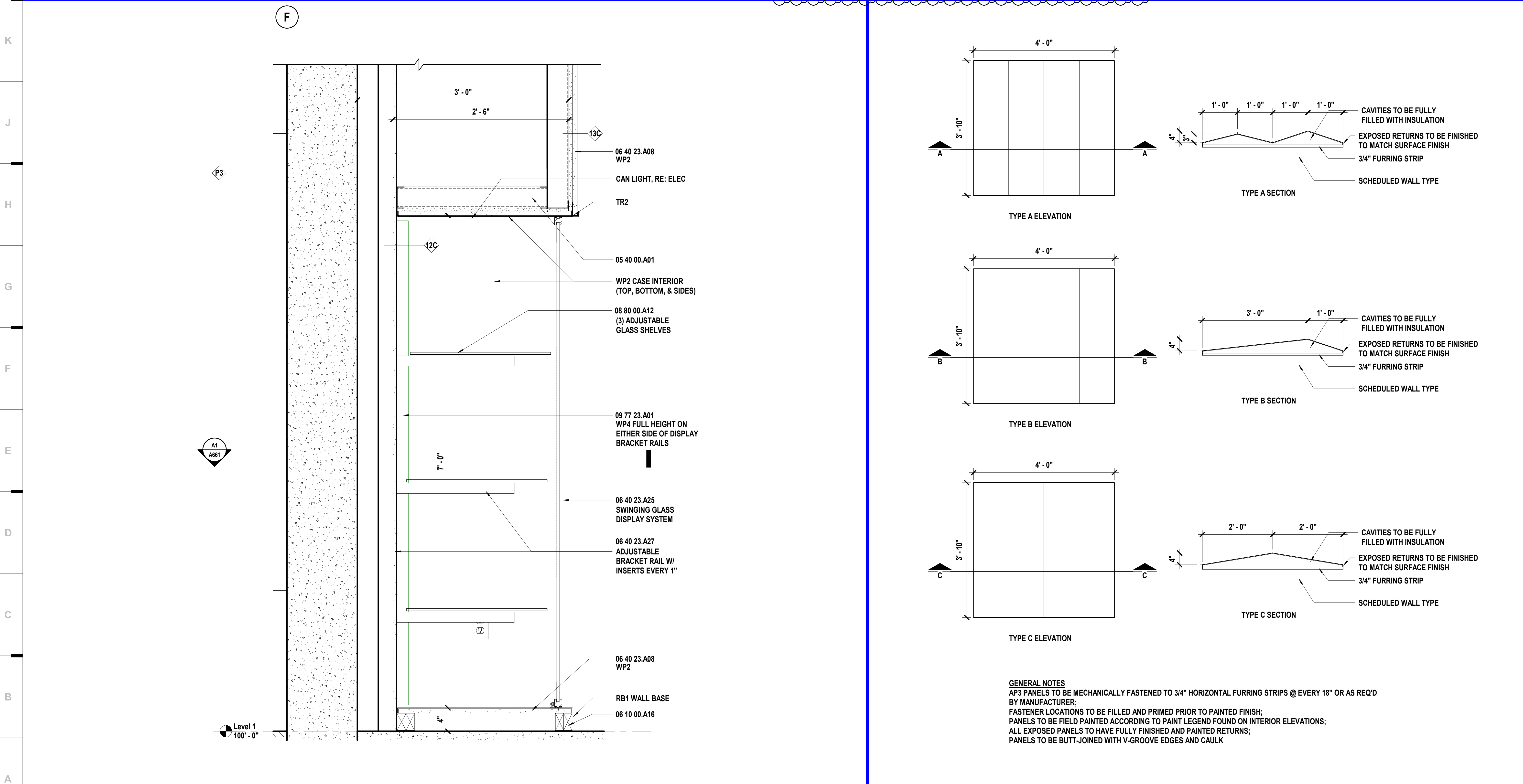
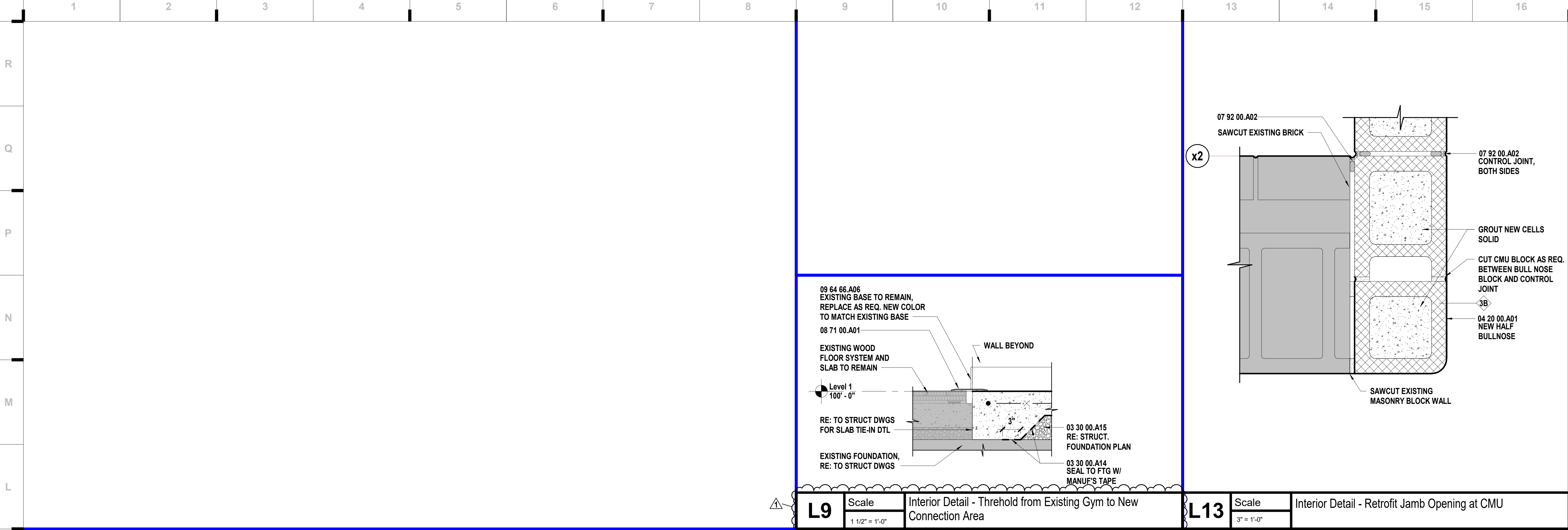
This Professional Address and Office is the design authority for the project and shall be responsible for the project. All design, construction and other documents are subject to the design authority's review and approval. The design authority shall not be responsible for any errors or omissions on the part of the contractor or other parties.

JOB NO: 23018  
DRAWN BY: ES  
CHECKED BY: JB  
DATE: 08.31.2023

# A661

## INTERIOR DETAILS





|     |                |  |
|-----|----------------|--|
| A1  | Scale          | Interior Detail Section - Display Case |
|     | 1 1/2" = 1'-0" |  |
| A10 | Scale          | AP3 - GFRG Panel Details               |
|     | 3/4" = 1'-0"   |  |

SHEET KEYNOTE LEGEND

|              |  |
|--------------|--|
| 03 30 00.A14 | VAPOR RETARDERS                                  |
| 03 30 00.A15 | GRANULAR DRAINAGE FILL                           |
| 04 20 00.A01 | CONCRETE MASONRY UNITS                           |
| 05 40 00.A01 | COLD-FORMED METAL FRAMING                        |
| 06 10 00.A16 | FIRE-RETARDANT TREATED WOOD BLOCKING & NAILERS   |
| 06 40 23.A08 | PLASTIC LAMINATE-CLAD PANELS                     |
| 06 40 23.A25 | SWINGING DISPLAY CASE DOOR SYSTEM                |
| 06 40 23.A27 | DISPLAY CASE SHELVEING SYSTEM                    |
| 07 92 00.A02 | SEALANT W/BACKER ROD                             |
| 08 71 00.A01 | THRESHOLDS                                       |
| 08 80 00.A12 | 3/8" CLEAR FULLY-TEMPERED MONOLITHIC FLOAT GLASS |
| 09 64 66.A06 | RESILIENT WALL BASE (VENTED)                     |
| 09 77 23.A01 | FABRIC-WRAPPED PANELS                            |

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7816.442.7700

115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
7720.949.1689

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Holla + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 0000101  
Structure # 200601333

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

**Smith & Boucher, Inc.**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC000178  
25615 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

**MKEC Engineering, Inc.**  
Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027139  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.9390 phone

**Peerbolte Creative**  
Theatrical Consultant  
109 E Pine St.  
Warrensburg, MO 64093-0752  
660.429.1383 phone

**Avant Acoustics**  
AV/Acoustics Consultant  
14827 West 95th St.  
Lenexa, KS 66215  
913.888.9111 phone

Discovery Middle School Storm Shelter Addition

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CONSTRUCTION  
DOCUMENTS

REVISIONS:

| # | Description | Date       |
|---|-------------|------------|
| 1 | Addendum 01 | 09/14/2023 |

STATE OF MISSOURI

KEVIN E. NELSON

A-2019015618

SEPTEMBER 14, 2023

Kevin E. Nelson

A-2019015618

JOB NO: 23018

DRAWN BY: ES

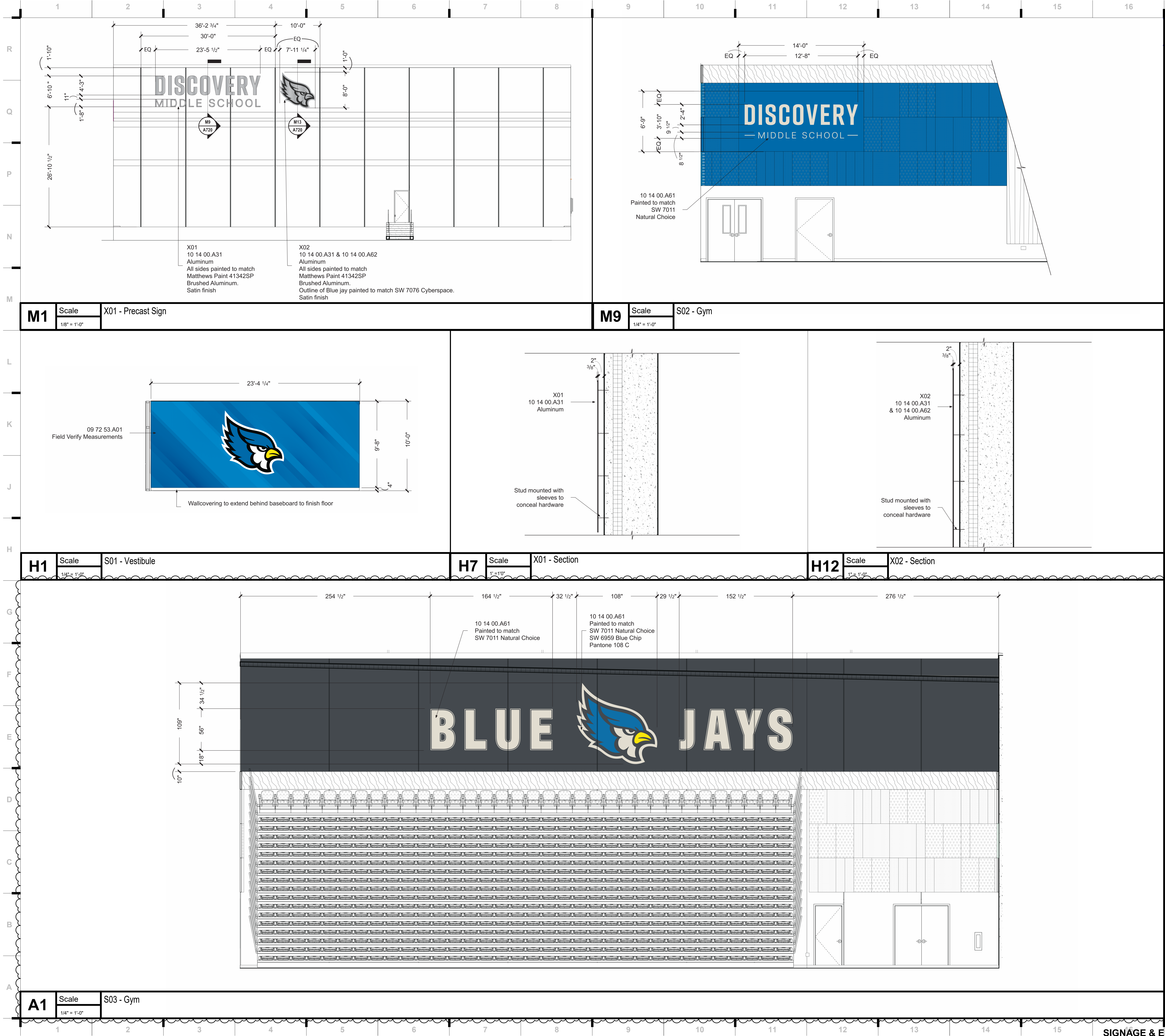
CHECKED BY: JB

DATE: 08.31.2023

A662

INTERIOR DETAILS





SHEET KEYNOTE LEGEND

09 72 53.A01 - WALLCOVERING

10 14 00.A31 - CUSTOM FLAT CUT

10 14 00.A61 - HIGH EPOXY PAINT

10 14 00.A62 - EXTERIOR PAINT

ARTWORK TO BE SUPPLIED BY ARCHITECT

ALL DIMENSIONS AND MOUNTING CONDITIONS MUST BE VERIFIED IN THE FIELD PRIOR TO FINAL ARTWORK RELEASE

ALL ATTACHMENTS TO BE CONCEALED UNO. PROVIDE BLOCKING AS REQUIRED FOR SECURE ANCHORAGE. SEE ARCHITECTURAL WALL FOR CONSTRUCTION

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Kansas City, MO 64108  
1 816.442.7700

115 Wilcox Street Suite 210  
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Bob D Campbell

Structural Engineer

State Certificate of Authority #000442

4338 Bellevue Ave

Kansas City, MO 64111

816.531.4144 phone

Smith & Boucher, Inc.

Mechanical, Electrical, & Plumbing

State Certificate of Authority #EGC000178

25615 W 103rd Street

Olathe, KS 66061

913.345.2127 phone

MKEC Engineering, Inc.

Civil Engineer

State Certificate of Authority

Engineering #2001009364

Landscape #2006027139

Surveying #2006027138

11827 W 112th Street, Suite 200

Overland Park, KS 66210

913.317.9390 phone

Peerbolte Creative

Theatrical Consultant

109 E Pine St.

Warrensburg, MO 64093-0752

660.429.1383 phone

Avant Acoustics

AV/Acoustics Consultant

14827 West 95th St

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913.888.9111 phone

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REVISIONS:

| # | Description | Date       |
|---|-------------|------------|
| 1 | Addendum 01 | 09/14/2023 |

STATE OF MISSOURI

KEVIN E. NELSON

A-2019015618

SEPTEMBER 14, 2023

Kevin E. Nelson

A-2019015618

JOB NO: 23018

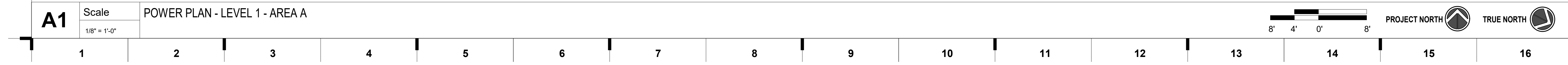
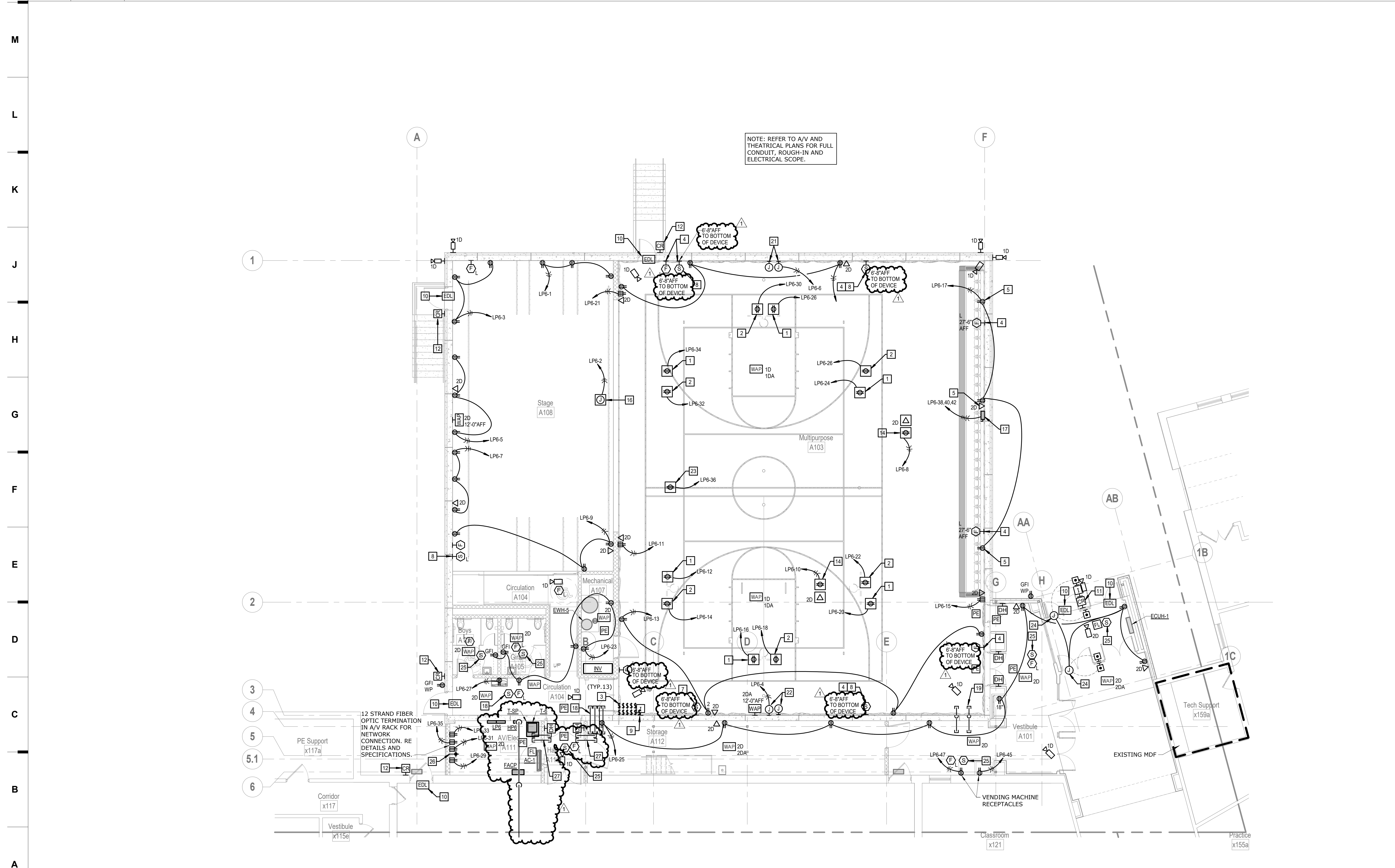
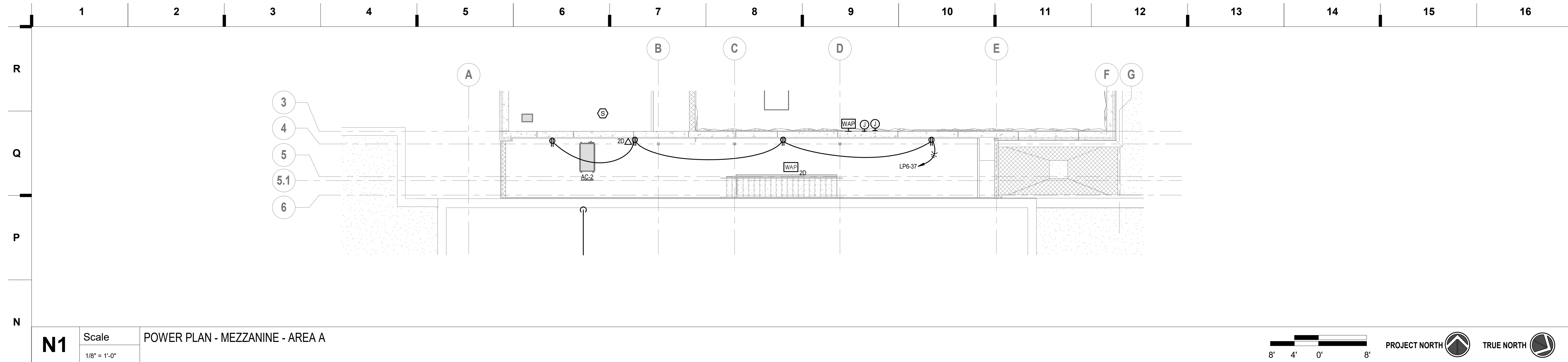
DRAWN BY: MM

CHECKED BY: JCC

DATE: 08.31.2023

A720





### SHEET KEYNOTE LEGEND

**GENERAL NOTES:**

1. REFER TO E200 FOR GENERAL NOTES.

**PLAN NOTES:**

1 RECEPTACLE AND POWER FOR RETRACTABLE GOAL WINCH. CIRCUIT THROUGH KEYED LIMIT SWITCH ON WALL. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH GYM EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.

2 RECEPTACLE AND POWER FOR RETRACTABLE ELECTRIC GOAL HEIGHT ADJUSTER. CIRCUIT KEYED LIMIT SWITCH ON WALL. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH GYM EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.

3 KEYED LIMIT SWITCH FOR GYM EQUIPMENT MOTORS, COORDINATE WITH BASKETBALL SHOP DRAWINGS PRIOR TO INSTALLATION.

4 PROVIDE WIREGUARD OVER DEVICE.

5 DEVICE MOUNTED ABOVE TOP ROW OF BLEACHERS. COORDINATE WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

6 8" RECESSED TWO-WAY CEILING SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

7 WALL MOUNTED 5W TWO-WAY LOUD SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

8 WALL MOUNTED 5W ONE-WAY SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

9 PROVIDE INTERCOM PUSHBUTTON AND ALL CABLING BACK TO HEAD END UNIT AND SPEAKER FOR COMPLETE WORKING SYSTEM. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

10 ELECTRIC DOOR LOCK LOCATION, PROVIDE CONTROL CABLING PER SPECIFICATIONS, ROUTE BACK TO DOOR CONTROL HEAD END PANEL. COORDINATE EXACT REQUIREMENTS WITH OWNER AND ARCHITECT.

11 CARD READER MOUNTED IN MULLION AT 48" AFF, COORDINATE PATHWAY WITH DOOR HARDWARE PROVIDER.

12 CARD READER MOUNTED AT 48" AFF, COORDINATE PATHWAY WITH DOOR HARDWARE PROVIDER.

13 NOT USED.

14 DECK MOUNTED CEILING RECEPTACLE FOR PENDANT MOUNTED PROJECTOR IN GYM CEILING. COORDINATE EXACT LOCATION WITH AV DRAWINGS.

15 NOT USED.

16 POWER FOR PROJECTION SCREEN. COORDINATE LOCATION AND ALL REQUIREMENTS WITH PROVIDED PROJECTOR SCREEN. COORDINATE WITH AV DRAWINGS.

17 RETRACTABLE BLEACHER POWER. PROVIDE 30A-3P NF BLEACHER SAFETY SWITCH. CIRCUIT WITH (4) #10, #10G, 1/2" C. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH BLEACHER SHOP DRAWINGS PRIOR TO ROUGH-IN.

18 (8) 2" CONDUIT SLEEVES THRU THE WALL ABOVE THE CEILING FOR LOW VOLTAGE CABLING.

19 (2) 2" CONDUIT SLEEVES STUBBED IN CORRIDOR PLENUM SPACE AND ROUTED IN THE WALL STUBBED UP TIGHT TO GYM ROOF DECK FOR LOW VOLTAGE CABLING.

20 (1) 2" CONDUIT SLEEVE THRU THE WALL ABOVE THE CEILING FOR LOW VOLTAGE CABLING.

21 PROVIDE POWER AND LOW VOLTAGE ROUGH-IN FOR FUTURE SCORE BOARD. PROVIDE WITH (2) BACK BOXES AND (3) 1-1/2" CONDUITS STUBBED TIGHT TO DECK. CONTINUE ONE CONDUIT BACK TO AV LOCATION FOR CONTROL OF SCOREBOARD, COORDINATE WITH AV PLANS. COORDINATE ROUGH-IN HEIGHT WITH ARCHITECTURAL ELEVATIONS AND SCOREBOARD SHOP DRAWINGS.

22 PROVIDE POWER AND LOW VOLTAGE FOR SCORE BOARD. PROVIDE WITH (2) BACK BOXES AND (3) 1-1/2" CONDUITS STUBBED TIGHT TO DECK. CONTINUE ONE CONDUIT BACK TO AV LOCATION FOR CONTROL OF SCOREBOARD, COORDINATE WITH AV PLANS. COORDINATE ROUGH-IN HEIGHT WITH ARCHITECTURAL ELEVATIONS AND SCOREBOARD SHOP DRAWINGS.

23 RECEPTACLE AND POWER FOR RETRACTABLE DIVIDER CURTAIN. CIRCUIT THROUGH GYM EQUIPMENT CONTACTOR PANEL. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH GYM EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.

24 POWER AND MULLION MOUNTED PUSH BUTTON CONTROL FOR MOTORIZED ACCESSIBLE DOOR. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH DOOR HARDWARE PROVIDER. PROVIDE 6-PAIR CABLE PER DISTRICT STANDARDS BACK TO ACCESS CONTROL CABINET FOR INTEGRATION WITH ACCESS CONTROLS.

25 8" RECESSED ONE-WAY CEILING SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

26 GROUND BUS BAR CONNECTED TO SERVICE MAIN GROUND. REFER TO DETAILS.

27 (2) 4" CONDUIT SLEEVES THRU THE WALL TIGHT TO CEILING DECK FOR LOW VOLTAGE CABLING

**smith & boucher** ENGINEERS  
25518 west 103rd St. Olathe, KS 66061  
phone 913.345.2127 fax 913.345.0617  
project number 2314702

### KEY PLAN

**POWER PLAN - LEVEL 1 & MEZZANINE - AREA A**

**REVISIONS:**

| # | Description | Date     |
|---|-------------|----------|
| 1 | ADDENDUM #1 | 09-14-23 |

**JOB NO: 23018**  
**DRAWN BY: SBI**  
**CHECKED BY: RJD**  
**DATE: 08.31.2023**

# E201A

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HOLLISANDMILLER.COM

Hollis + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 00001051  
Structure # 2006031333

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

**Smith & Boucher, Inc.**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC000178  
25518 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

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Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027139  
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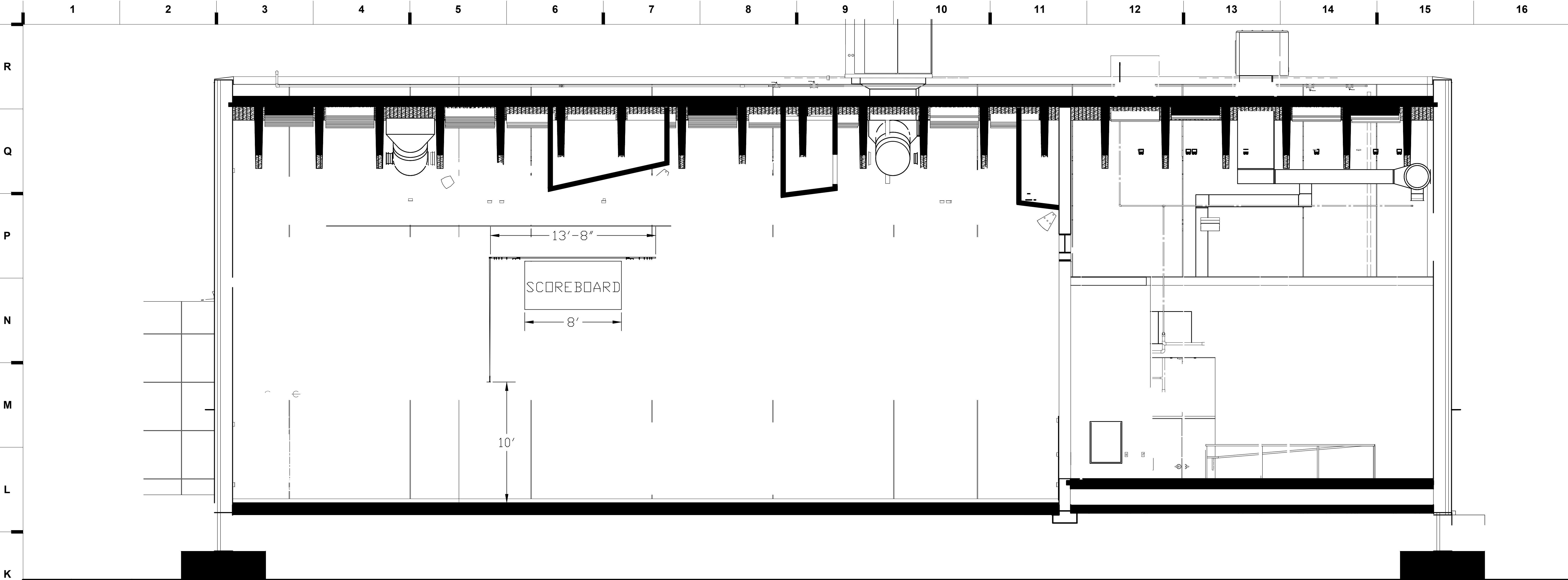
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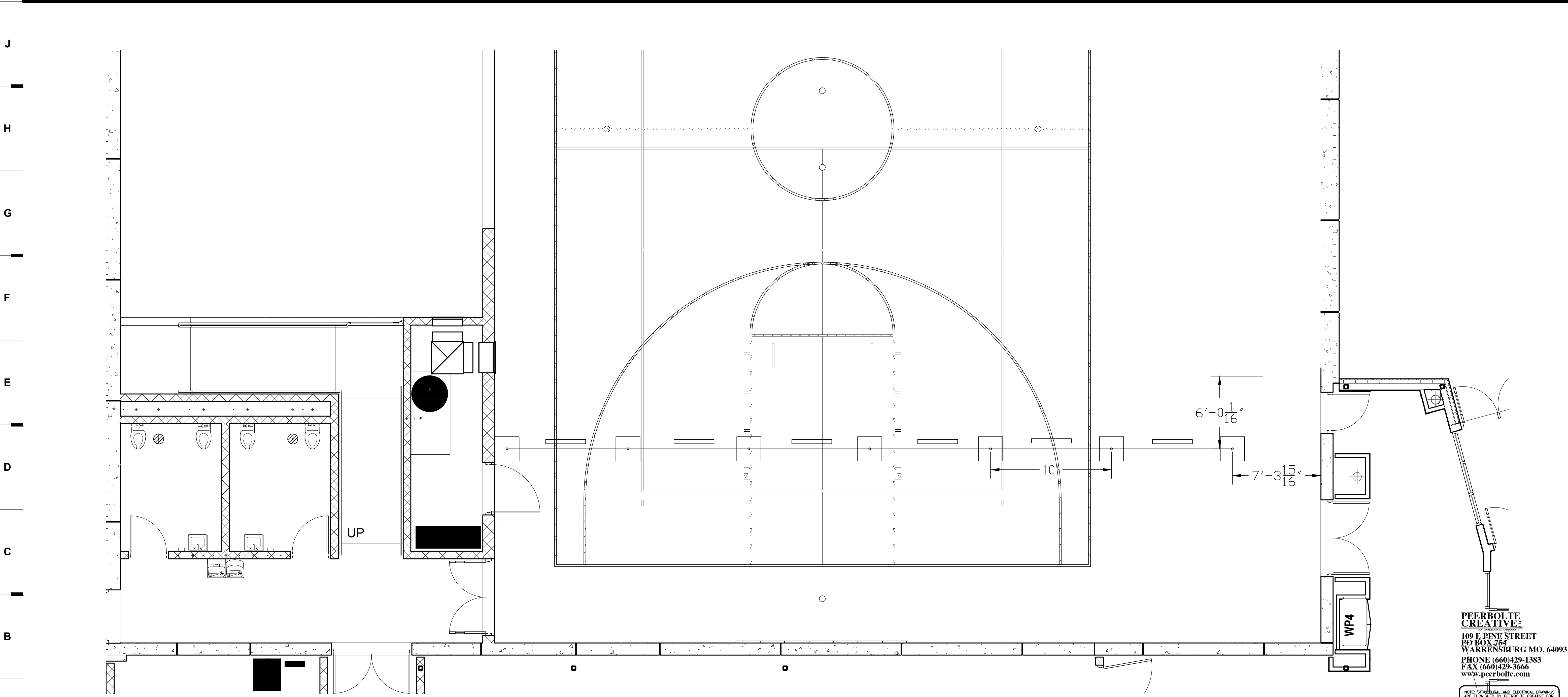
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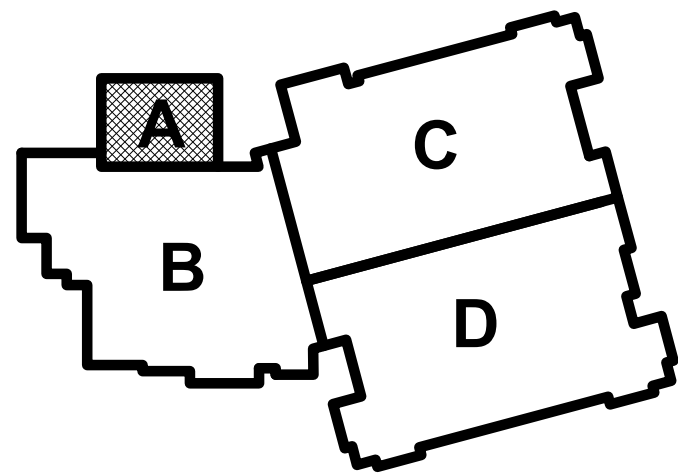
**K1** Scale SCOREBOARD MASKING CURTAIN  
1/4" = 1'-0"



**A1** Scale PIPE AND DRAPE PLAN  
1/4" = 1'-0"

SHEET KEYNOTE LEGEND

KEY PLAN



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Missouri State Certificate of Authority  
Architecture # 000181  
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**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

**Smith & Boucher, Inc.**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC000178  
25619 W 103rd Street  
Olathe, KS 66061  
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Engineering #2001009364  
Landscaping #2006027138  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.8390 phone

**Peerbolte Creative**  
Theatrical Consultant  
109 E Pine St.  
Warrensburg, MO 64093-0752  
866-429-1385 phone

**Avant Acoustics**  
AV/Acoustics Consultant  
14827 West 95th St.  
Lenexa, KS 66215  
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| REVISIONS: |             |            |
|------------|-------------|------------|
| #          | Description | Date       |
| 1          | Addendum 01 | 09/14/2023 |

JOB NO: 23018  
DRAWN BY: SCJ  
CHECKED BY: SCJ  
DATE: 08.31.2023

TH102



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RE: MEP DRAWINGS FOR EXTENT



REMOVE EXISTING MARKERBOARDS INCLUDING BRACKETS, SALVAGE TO OWNER

RELOCATE ANY/ALL WALL DEVICES. RE: MEP DRAWINGS FOR EXTENT


RE: MEP DRAWINGS FOR EXTENT



REMOVE EXISTING MECH. UNIT. RE: MEP DRAWINGS OF EXTENT.


RELOCATE ANY/ALL WALL DEVICES. RE: MEP DRAWINGS FOR EXTENT

REMOVE EXISTING CANOPY. RE: ARCHITECTURE AND STRUCTURAL DRAWINGS OF EXTENT.



RE: CIVIL DRAWINGS FOR EXTENT OF SITE DEMO.

REMOVE EXISTING CANOPY. RE: ARCHITECTURE AND STRUCTURAL DRAWINGS OF EXTENT.



RE: MEP DRAWINGS FOR EXTENT.

RE: CIVIL DRAWINGS FOR EXTENT OF SITE DEMO.

N1

Scale

Existing Vestibule - Right - For Reference Only

Not to Scale

N5

Scale

Existing Vestibule - Left - For Reference Only

Not to Scale

N9

Scale

Existing Exterior Canopy To Be Demo'd - For Reference Only

Not to Scale

N13

Scale

Existing Exterior Gym Wall - For Reference Only

Not to Scale

A1

Scale

Overall Demolition Floor Plan - Level 1

1" = 20'-0"

20' 10' 0' 20'

PROJECT NORTH

TRUE NORTH

DEMOLITION NOTES

FLOORS & BASE

1 REMOVE EXISTING PORCELAIN TILE AND BASE INCLUDING ADHESIVE. SALVAGE FOR OWNER TO REPLACE MISMATCH TILES IN BUILDING. PREPARE SLAB FOR NEW FLOORING.

2 REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR NEW CONSTRUCTION. SAW CUT CONCRETE PRIOR TO REMOVAL. DO NOT SAW CUT INTO EXISTING FOUNDATIONS OR OTHER STRUCTURAL MEMBERS.

3 REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR UNDER SLAB MECHANICAL, ELECTRICAL AND PLUMBING WORK. SAW CUT CONCRETE PRIOR TO REMOVAL. DO NOT SAW CUT INTO EXISTING FOUNDATIONS OR OTHER STRUCTURAL MEMBERS. COORDINATE WITH MEP SHEETS FOR NEW WORK AND CAPPING OF ABANDONED SERVICES

WALLS

1 REMOVE ALL/PORTION OF EXISTING CMU/BRICK WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/REROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK. SALVAGE BRICK FOR REUSE AS MAY BE REQUIRED.

2 REMOVE ALL/PORTION OF EXISTING CMU WALL. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/REROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK WITH MEP DRAWINGS.

3 REMOVE EXISTING ALUMINUM OR HOLLOW METAL FRAMED GLAZING SYSTEM.

4 PREP EXISTING DOOR AND FRAME FOR NEW PAINT AND NEW HARDWARE.

5 REMOVE ALL/PORTION OF EXISTING FACE BRICK, INSULATION, AND BRICK TIES. COORDINATE EXTENTS OF REMOVAL WITH NEW CONSTRUCTION AND REMOVAL/REROUTING OF CONDUIT, WIRING, SWITCHES AND DUCTWORK. SALVAGE BRICK FOR REUSE AS MAY BE REQUIRED.

CEILINGS

1 REMOVE EXISTING LAY-IN ACOUSTICAL TILE AND SUSPENSION SYSTEM. EXISTING HANGER WIRE MAY BE REUSED FOR NEW SUSPENSION SYSTEM.

2 REMOVE EXISTING SOFFITS AND ALL EXISTING FRAMING.

3 REMOVE EXISTING GYPSUM BOARD CEILINGS AND SUSPENSION SYSTEM. EXISTING HANGER WIRE MAY BE REUSED FOR NEW SUSPENSION SYSTEM

DEMOLITION LEGEND

ALTERNATE 1: EXISTING LAY-IN ACOUSTICAL TILE & SUSPENSION SYSTEM TO BE REMOVED. EXISTING HANGER WIRE MAY BE REUSED FOR NEW SUSPENSION SYSTEM.

GENERAL DEMOLITION NOTES

1. DEMOLITION INCLUDES THE REMOVAL OF EXISTING CONSTRUCTION WHICH CONFLICTS WITH WORK TO BE BUILT/INSTALLED IN NEW CONSTRUCTION. TRANSITIONS BETWEEN DEMOLITION AND EXISTING TO REMAIN TO BE CAREFULLY COORDINATED

2. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE DEMOLISHED/REMOVED

3. HALF-TONE SHADING INDICATES EXISTING CONSTRUCTION TO REMAIN

4. EVERY DETAIL OF THE DEMOLITION WORK MAY NOT BE COVERED ON THESE DRAWINGS, BUT THE DEMOLITION CONTRACTOR SHALL COORDINATE WITH THE GC/IO TO ENSURE ALL REQUIRED ITEMS ARE REMOVED IN ORDER FOR NEW WORK TO BE COMPLETED

5. IN AREAS SCHEDULED FOR DEMOLITION, ALL ACCESSORIES ATTACHED TO THE CEILINGS, FLOOR AND WALLS ARE TO BE REMOVED, INCLUDING BRACKETS, SCREWS, SIGNAGE, SURFACE MOUNTED ELECTRICAL AND TECHNOLOGY; REMOVE ALL WINDOW COVERINGS; MINI-BLINDS, ROLLER SHADES AND ALL BRACKETS

6. THE OWNER WILL IDENTIFY ALL ITEMS TO BE SALVAGED PRIOR DEMOLITION STARTING. CONTRACTOR SHALL SALVAGE AND TURN OVER TO THE OWNER ALL EQUIPMENT IDENTIFIED. ALL REMAINING ITEMS SHALL BE REMOVED BY THE DEMOLITION CONTRACTOR

7. DO NOT DISTURB SOIL UNDER EXISTING FOOTINGS AND/OR FLOOR SLABS NOTED TO REMAIN

8. COORDINATE THE REMOVAL OF ALL/PORTIONS OF LOAD BEARING ELEMENTS WITH THE STRUCTURAL ENGINEER PRIOR TO REMOVAL. PROVIDE TEMPORARY SHORING AS REQUIRED

9. REFER TO MEP DEMOLITION SHEETS FOR EXISTING MECHANICAL, ELECTRICAL AND PLUMBING TO BE REMOVED

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Structural Engineer  
State Certificate of Authority #000442  
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816.631.4144 phone

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Warrensburg, MO 64093-0752  
660.429.1383 phone

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South Valley Middle School Storm Shelter Addition  
Liberty Public Schools  
1000 Midjray Dr, Liberty, MO 64068

REVISIONS:

| # | Description | Date       |
|---|-------------|------------|
| 1 | Addendum 01 | 09.14.2023 |

SEPTEMBER 14, 2023

Kevin E. Nelson  
A-2019015618

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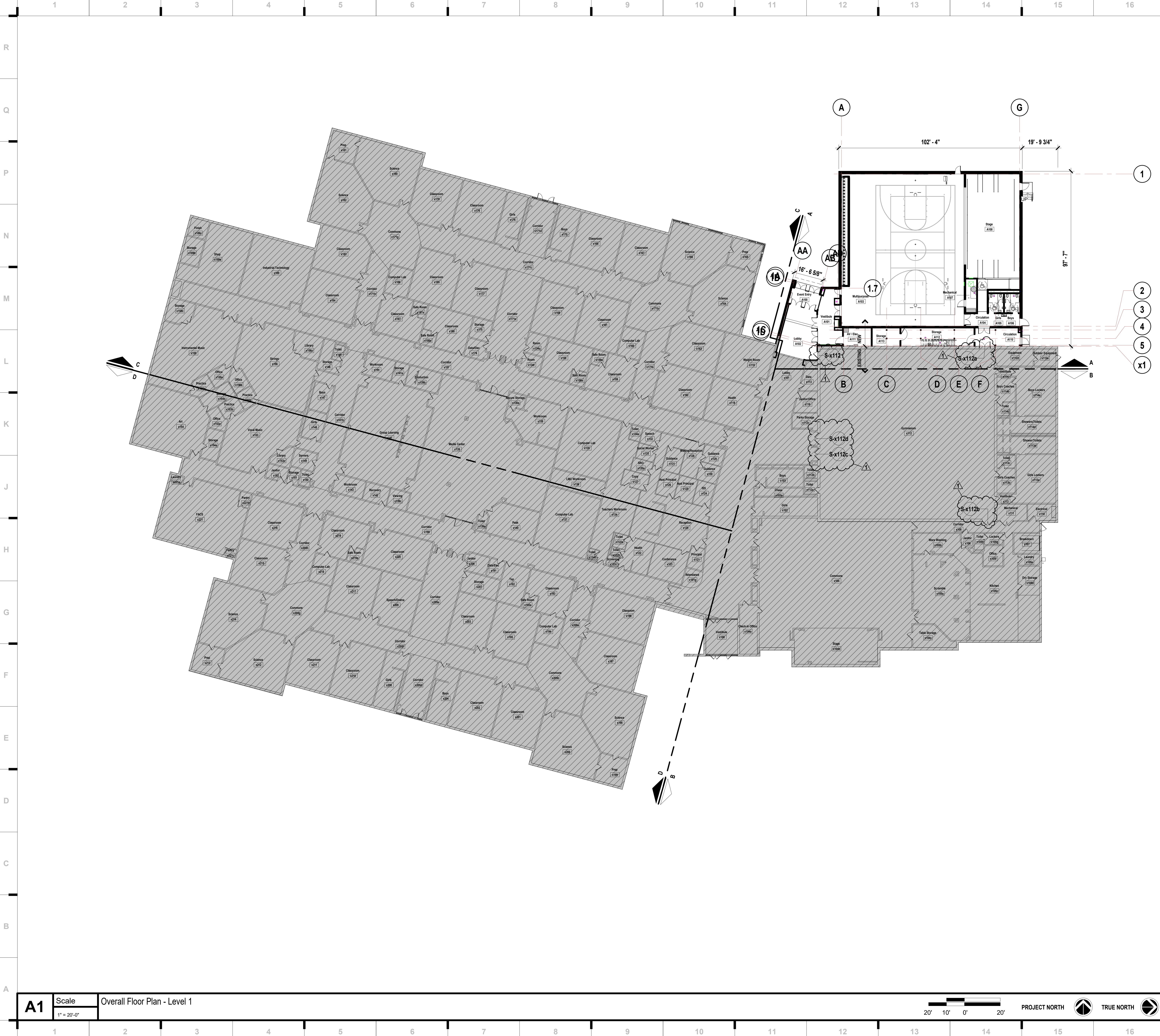
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DA101

DEMOLITION FLOOR PLAN - OVERALL - LEVEL 1

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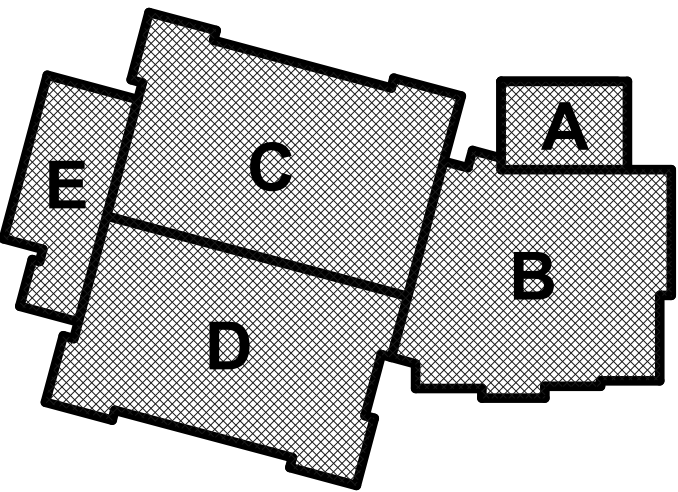
SHEET KEYNOTE LEGEND

- 1
- 2
- 3
- 4
- 5
- X1

SHEET NOTES

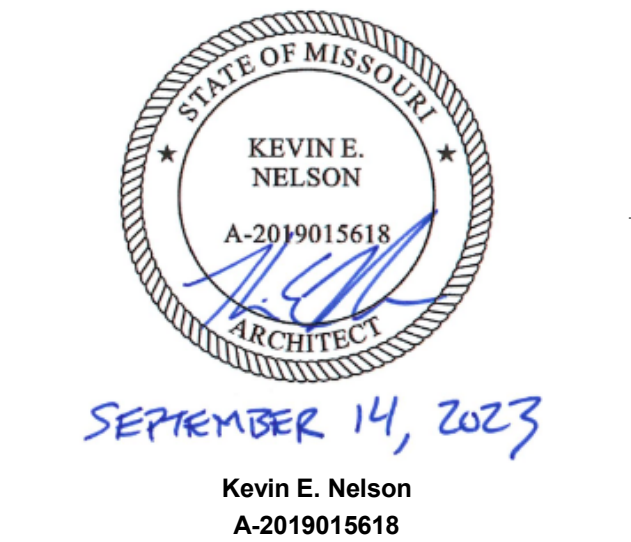
- 1. REFER TO SHEET G000 FOR SHEET INDEX
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  - A. TO FACE OF STUD
  - B. TO FACE OF MASONRY UNIT
  - C. TO FACE OF DOOR AND WINDOW ROUGH OPENINGS
- 4. EXTERIOR DIMENSIONS ARE TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
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  - B. TO FACE OF MASONRY UNIT
  - C. TO FACE OF PRECAST
- 5. COORDINATE LOCATIONS WHERE BACKING IS REQUIRED FOR WALL HUNG CASEWORK, MARKERBOARDS, WALL HUNG ACCESSORIES AND TECHNOLOGY
- 6. COORDINATE FINISHES TO REMAIN WITH DEMOLITION SHEET

KEY PLAN



South Valley Middle School Storm Shelter Addition  
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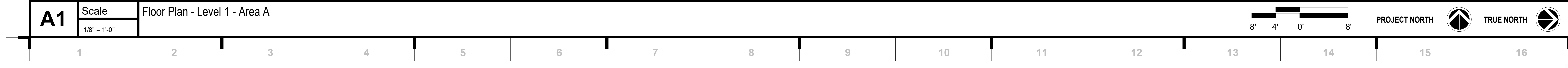
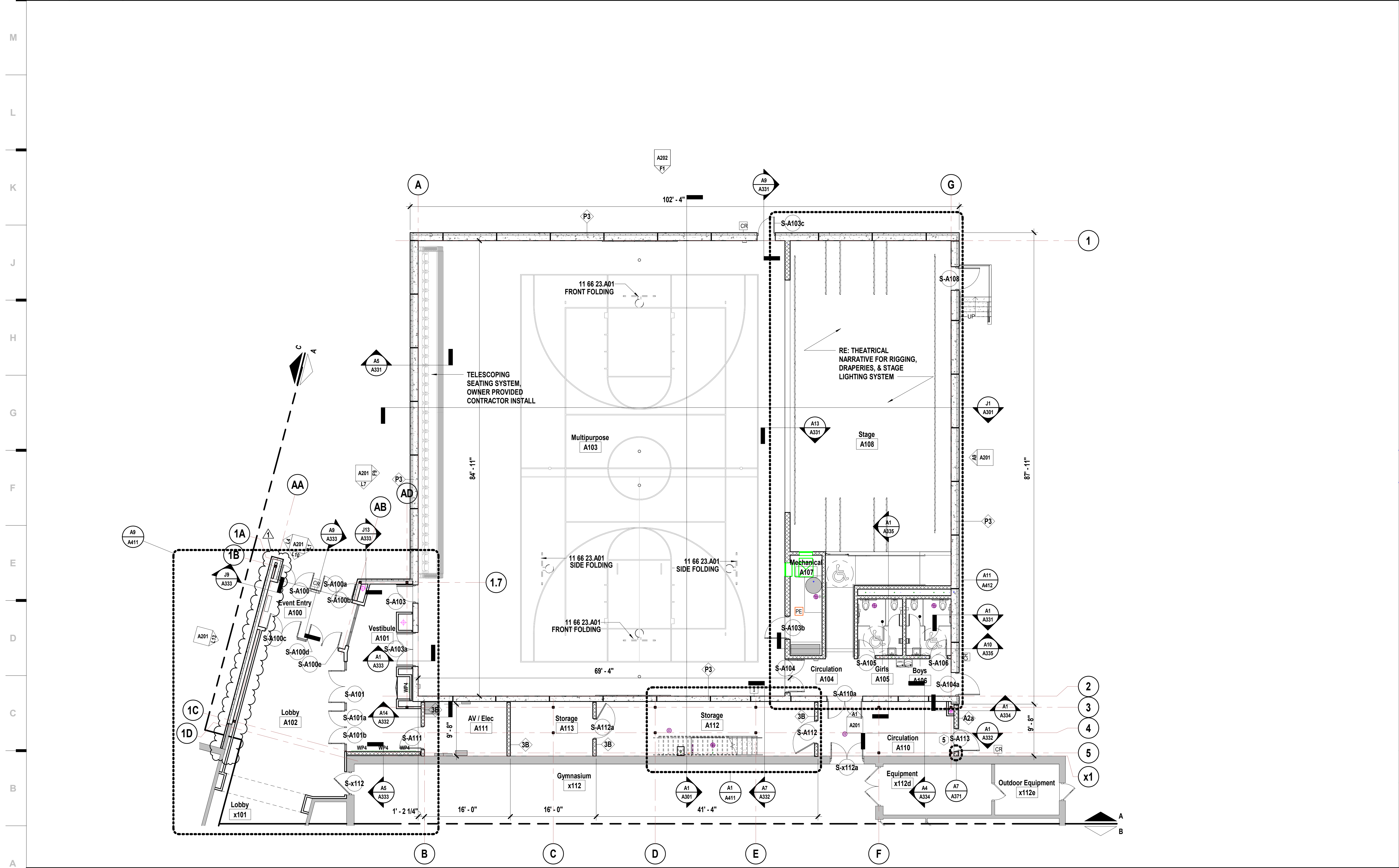
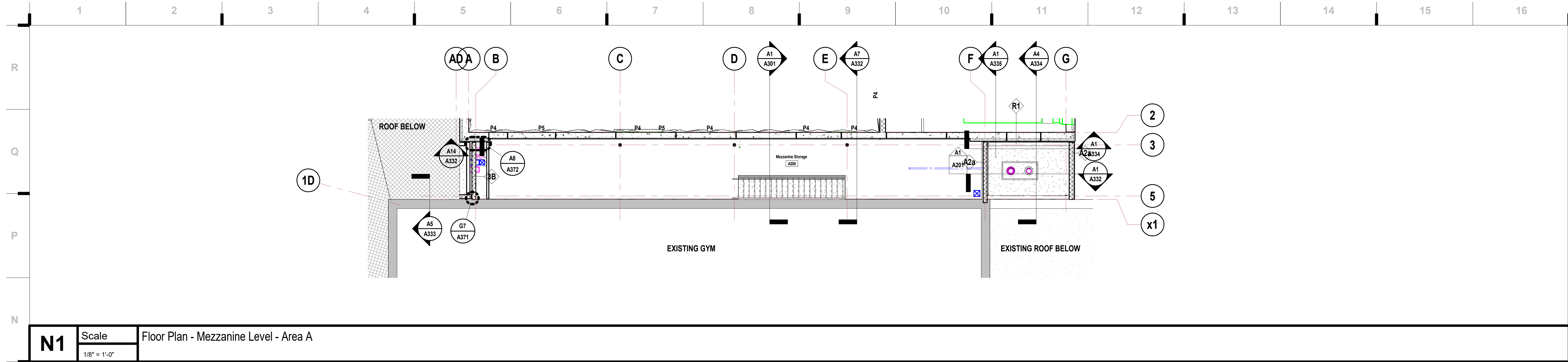
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A101





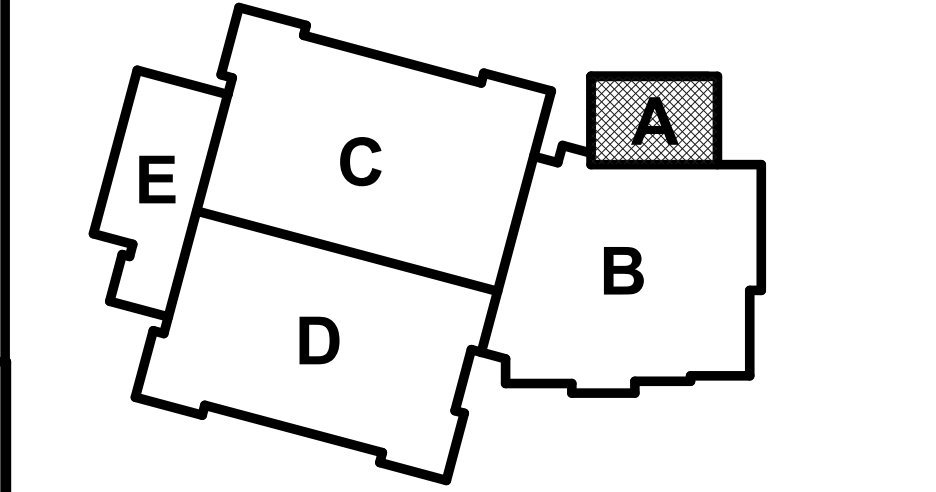
# SHEET KEYNOTE LEGEND

11 66 23.A01 OVERHEAD BACKBOARD SUPPORTS

# SHEET NOTES

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Hollis + Miller Architects  
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Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
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Engineering #2001009364  
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**REVISIONS:**

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**SEPTEMBER 14, 2023**

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A-2019015618

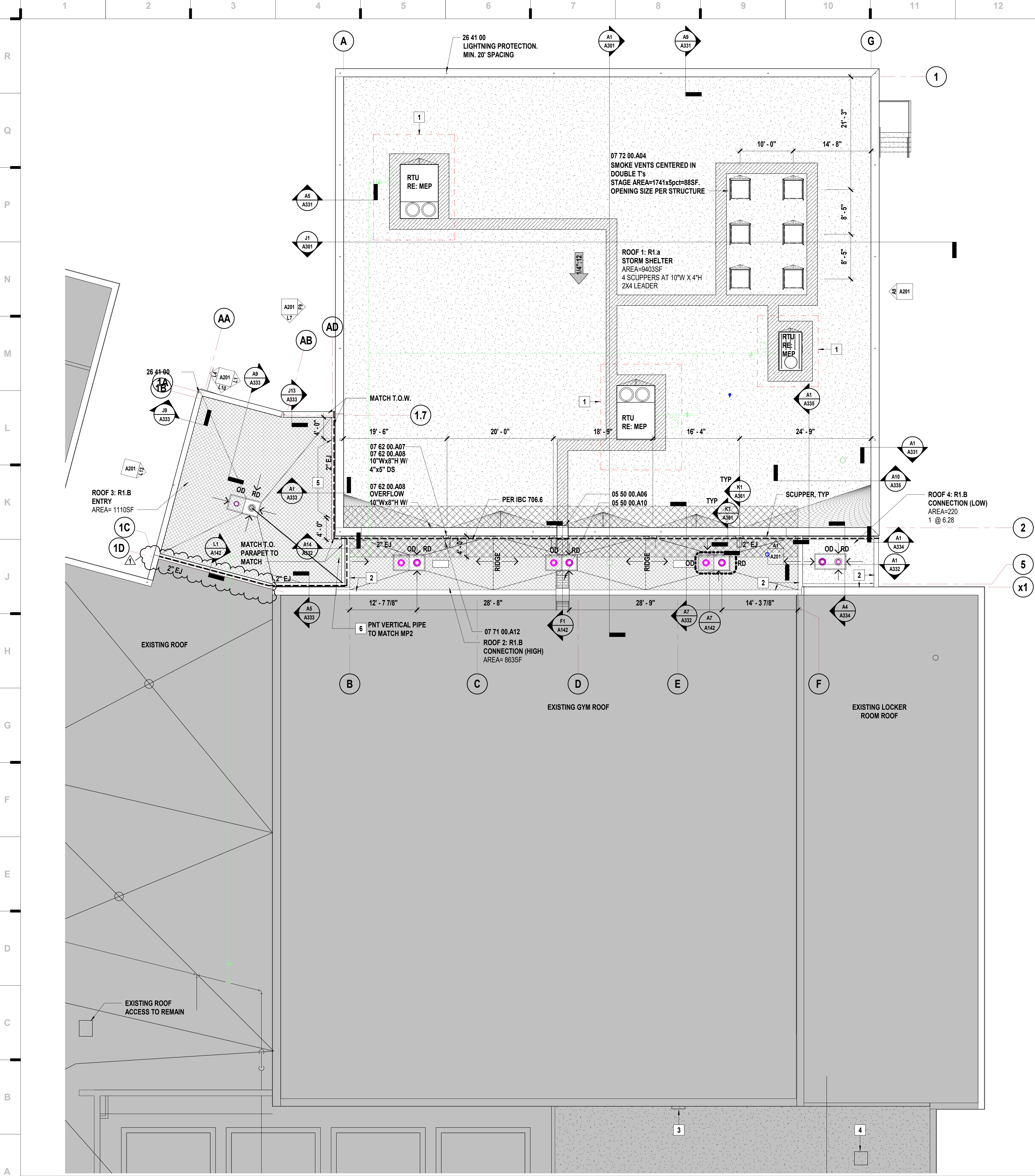
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**A101A**

FLOOR PLAN - LEVEL 1 - AREA A





ROOF TYPE LEGEND

R1.a

MOD BIT W/ 5.2" INSULATION

R1.b

MOD BIT TAPERED INSULATION

SHEET KEYNOTE LEGEND

|              |                                    |
|--------------|------------------------------------|
| 03 52 16.A02 | SUBSTRATE BOARD                    |
| 03 52 16.A04 | INSULATION                         |
| 05 50 00.A06 | METAL LADDER                       |
| 05 50 00.A10 | SHIP'S LADDER WITH PLATFORM RETURN |
| 07 52 16.A01 | MODIFIED BITUMINOUS ROOFING SYSTEM |
| 07 52 16.A20 | ROOF INSULATION                    |
| 07 52 16.A25 | COVERBOARD                         |
| 07 62 00.A07 | DOWNSPOUTS                         |
| 07 62 00.A08 | SCUPPERS                           |
| 07 71 00.A12 | SPLASH PANS                        |
| 07 72 00.A04 | HEAT AND SMOKE VENTS               |
| 26 41 00     |                                    |

ROOF PLAN LEGEND

SLOPED STRUCTURE  
RE: STRUCTURAL FOR ROOF BEARING HEIGHTS/SLOPE

SLOPE PROVIDED BY TAPERED INSULATION OVER FLAT STRUCTURE @ SLOPE INDICATED

TAPERED INSULATION CRICKET

ROOF MEMBRANE 07 52 16.A01

WALKWAY PADS 07 52 16.A16

EXISTING ROOF AREA

BUILDING EXPANSION JOINTS PATH. REFER TO SPECIFIC DETAILS FOR MORE INFORMATION.

SHEET NOTES

1.

REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN DETAILS

2.

REFER TO MECHANICAL DRAWINGS FOR ROOF MOUNTED EQUIPMENT AND CURBS

3.

REFER TO PLUMBING DRAWINGS FOR EXPOSED GAS PIPING AND SUPPORTS

KEYNOTES

1

UNIT MOUNTED SCREEN. MFR TO PROVIDE FULL COLOR RANGE IN SUBMITAL. FINAL COLOR TO BE SELECTED BY ARCHITECT  
RE: MEP FOR MORE INFORMATION

2

NEW T.O.W. TO ALIGN WITH EXISTING T.O.W. COPING TO MATCH. SM2

3

EXISTING ROOF LADDER TO EXISTING GYM ROOF TO REMAIN

4

EXISTING ROOF ACCESS TO REMAIN

5

SLOPE TOP OF PAREPET. FIELD CUT REGLET PER PRECAST MFR

6

GAS LINE, RE: MEP

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HOLLISANDMILLER.COM

Bob D Campbell

Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

Smith & Boucher, Inc.

Mechanical, Electrical, & Plumbing  
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Olathe, KS 66061  
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11827 W 112th Street, Suite 200  
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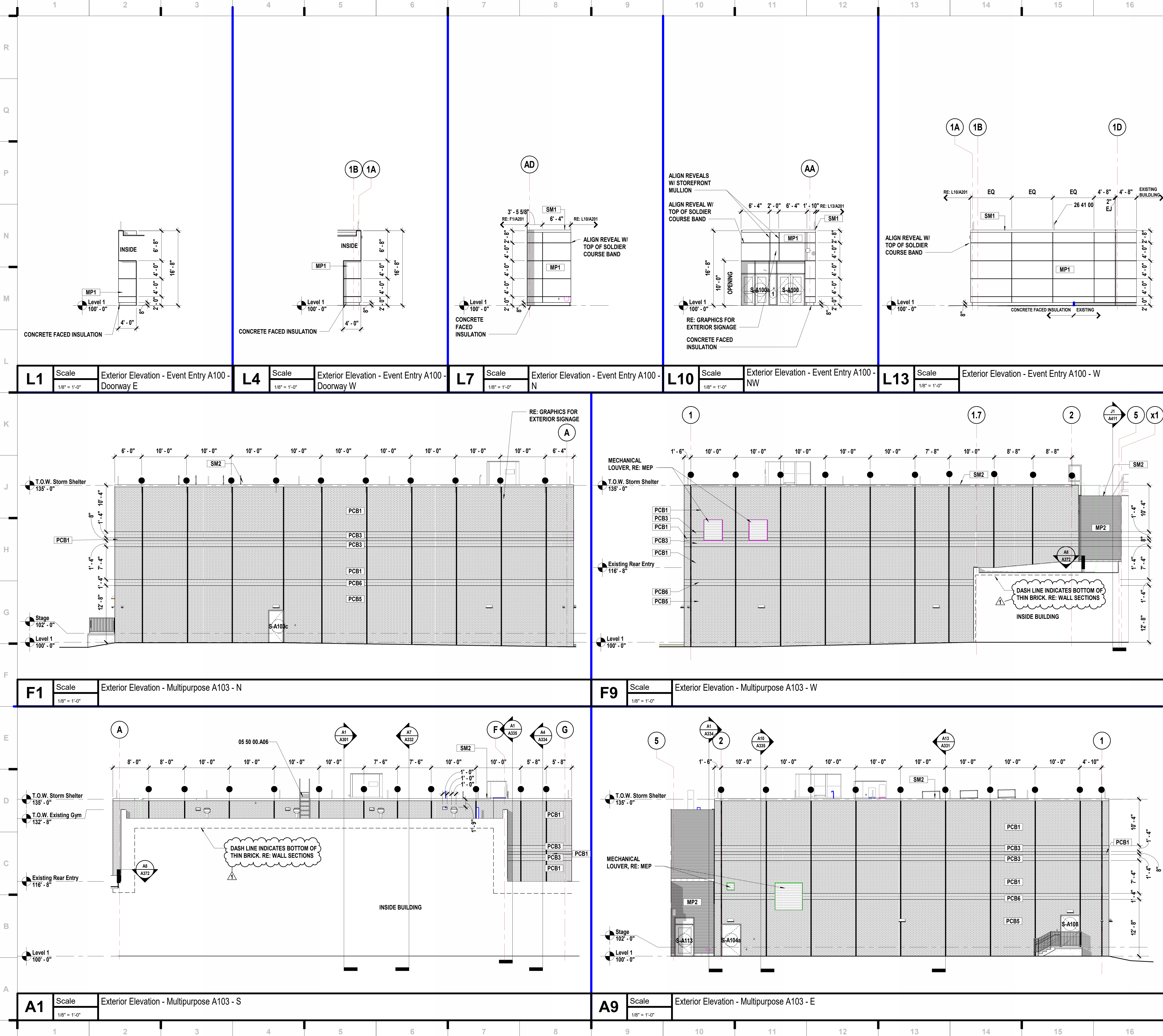
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A141

ROOF PLAN

9/14/2023 11:23:00 AM





## SHEET KEYNOTE LEGEND

|              |  |
|--------------|--|
| 03 41 00.A03 | BRICK-FACED PRECAST STRUCTURAL CONCRETE    |
| 05 50 00.A06 | METAL LADDER                               |
| 07 42 13.A03 | CONCEALED FASTENER METAL WALL PANELS       |
| 07 42 43.A01 | METAL-FACED COMPOSITE MATERIAL WALL PANELS |
| 07 62 00.A13 | COPING                                     |
| 26 41 00     |  |

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Hollis + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 0000161

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## EXTERIOR MATERIAL LEGEND

**PCB1 = PRECAST W/ THIN BRICK - BLEND 1**  
03 41 00.A03 BRICK-FACED PRECAST STRUCTURAL CONCRETE

BOD: METROBRICK  
COLOR: 45% 350 MAINSTREET - FLASHED  
25% 310 MAINSTREET - RED  
30% 458 BROWNSTONE - FLASHED  
SIZE/ PATTERN: MODULAR SIZE, RUNNING BOND

**PCB5 = PRECAST W/ THIN BRICK**  
03 41 00.A03 BRICK-FACED PRECAST STRUCTURAL CONCRETE

BOD: ENDICOTT  
COLOR: EXECUTIVE IRON SPOT VELOUR  
SIZE/ PATTERN: MODULAR SIZE, RUNNING BOND

**PCB3 = PRECAST W/ THIN BRICK - BLEND 1**  
03 41 00.A03 BRICK-FACED PRECAST STRUCTURAL CONCRETE

BOD: METROBRICK  
COLOR: 45% 350 MAINSTREET - FLASHED  
25% 310 MAINSTREET - RED  
30% 458 BROWNSTONE - FLASHED  
SIZE/ PATTERN: MODULAR SIZE, SOLDIER COURSE

**PCB6 = PRECAST W/ THIN BRICK**  
03 41 00.A03 BRICK-FACED PRECAST STRUCTURAL CONCRETE

BOD: SUMMERVILLE  
COLOR: 96 - WILLIAMSTOWN  
SIZE/ PATTERN: MODULAR SIZE, SOLDIER COURSE

**MP1 = METAL PANEL TYPE 1**  
07 42 43.A01 METAL-FACED COMPOSITE MATERIAL WALL

PANELS  
BOD: CITADEL - ENVELOPE 2000 REVEAL (RV)  
COLOR: SERIES G: PREMIUM KYNAR 500 - REGAL  
BLUE  
SIZE/ PATTERN: FLAT ACM W/EXTRUSIONS

**MP2 = METAL PANEL TYPE 2**  
07 42 13.A03 CONCEALED FASTENER METAL WALL PANELS

BOD: CENTRIA CS-660  
COLOR: SAGE BROWN  
SIZE/ PATTERN: HORIZONTAL

**SM1 = SHEET METAL TYPE 1**  
07 62 00.A13 COPING

BOD: N/A  
COLOR: MATCH MP1 = METAL PANEL TYPE 1  
SIZE/ PATTERN: PER DETAILS

**SM2 = SHEET METAL TYPE 2**  
07 62 00.A13 COPING

BOD: N/A  
COLOR: DARK BRONZE (MATCH EXISTING COPING)  
SIZE/ PATTERN: PER DETAILS

## SHEET NOTES

- REFER TO SHEET G000 FOR SHEET INDEX
- DO NOT SCALE THIS DRAWING
- WALL MOUNTED LIGHT FIXTURES, LAMBS TONGUES AND OTHER MEP ITEMS ARE SHOWN FOR PLACEMENT ONLY

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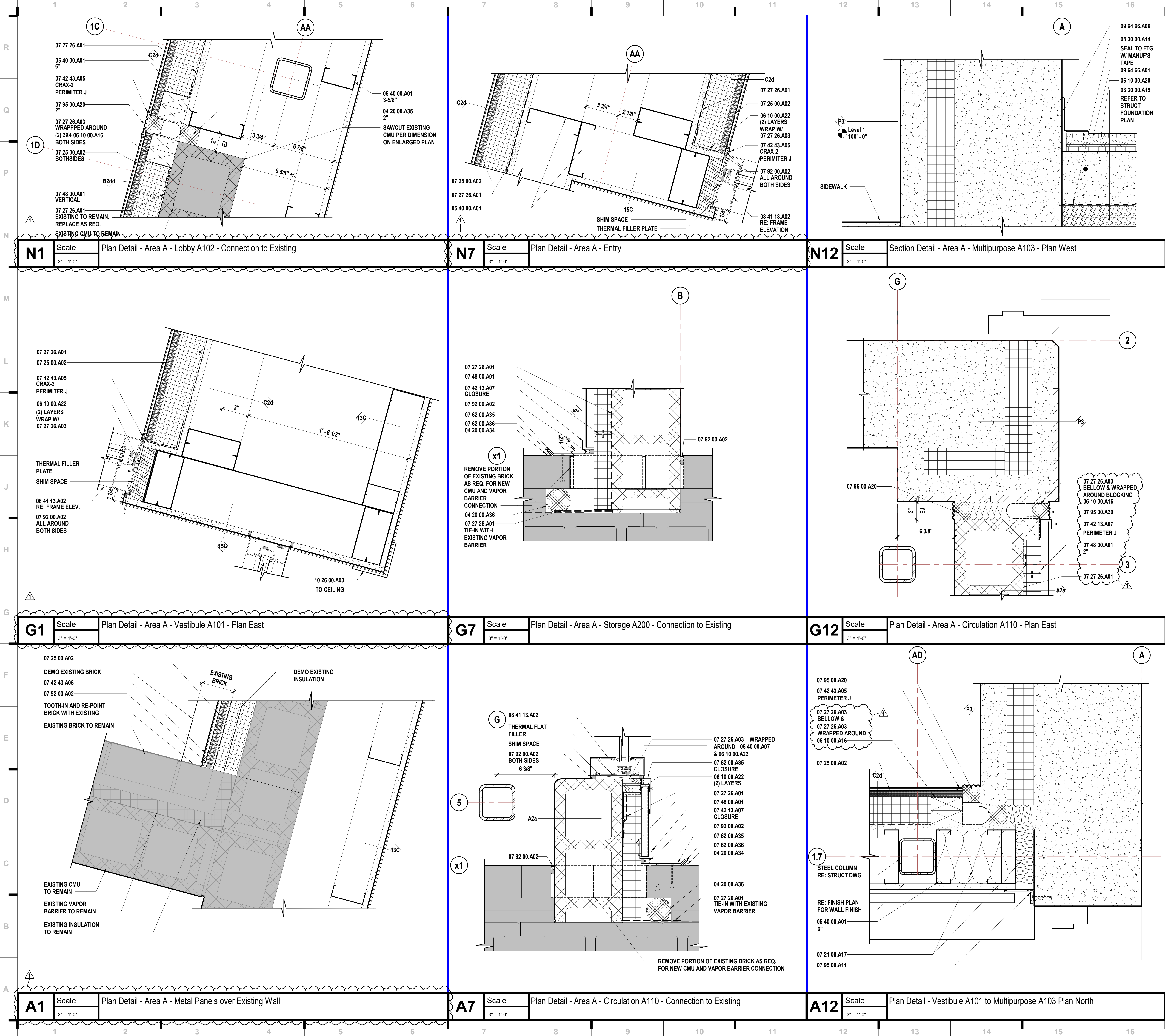
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EXTERIOR ELEVATIONS - OVERALL

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### SHEET KEYNOTE LEGEND

|              |  |
|--------------|--|
| 03 30 00.A14 | VAPOR RETARDERS  |
| 03 30 00.A15 | GRANULAR DRAINAGE FILL                                     |
| 04 20 00.A34 | FLASHING TERMINATION BARS                                  |
| 04 20 00.A35 | COMPRESSIBLE FILLERS                                       |
| 04 20 00.A36 | TUBULAR COMPRESSIBLE FILLERS                               |
| 05 40 00.A01 | COLD-FORMED METAL FRAMING                                  |
| 05 40 00.A07 | MISCELLANEOUS FRAMING/FURRING                              |
| 06 10 00.A16 | FIRE-RETARDANT TREATED WOOD BLOCKING & NAILERS             |
| 06 10 00.A20 | FIRE-RETARDANT TREATED PLYWOOD BLOCKING AND BACKING PANELS |
| 06 10 00.A22 | PRESERVATIVE TREATED PLYWOOD BLOCKING                      |
| 07 21 00.A17 | MINERAL WOOL   |
| 07 25 00.A02 | SELF-ADHERING WEATHER BARRIERS                             |
| 07 27 26.A01 | VAPOR RETARDING FLUID-APPLIED AIR BARRIER                  |
| 07 27 26.A03 | TRANSITION MEMBRANE  |
| 07 42 13.A07 | FLASHING AND TRIM  |
| 07 42 43.A05 | TRIM   |
| 07 48 00.A01 | RAINSCREEN FURRING SYSTEM                                  |
| 07 62 00.A35 | PRE-FINISHED MISC METAL FLASHING                           |
| 07 62 00.A36 | CLEAT  |
| 07 92 00.A02 | SEALANT W/BACKER ROD                                       |
| 07 95 00.A11 | CEILING-TO-WALL JOINT SYSTEM                               |
| 07 95 00.A20 | EXTERIOR PRE-FORMED CELLULAR FOAM                          |
| 08 41 13.A02 | THERMAL BROKEN STOREFRONT FRAMING (6")                     |
| 09 64 66.A01 | WOOD ATHLETIC FLOOR  |
| 09 64 66.A06 | RESILIENT WALL BASE (VENTED)                               |
| 10 26 00.A03 | CORNER GUARDS  |

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CONSTRUCTION  
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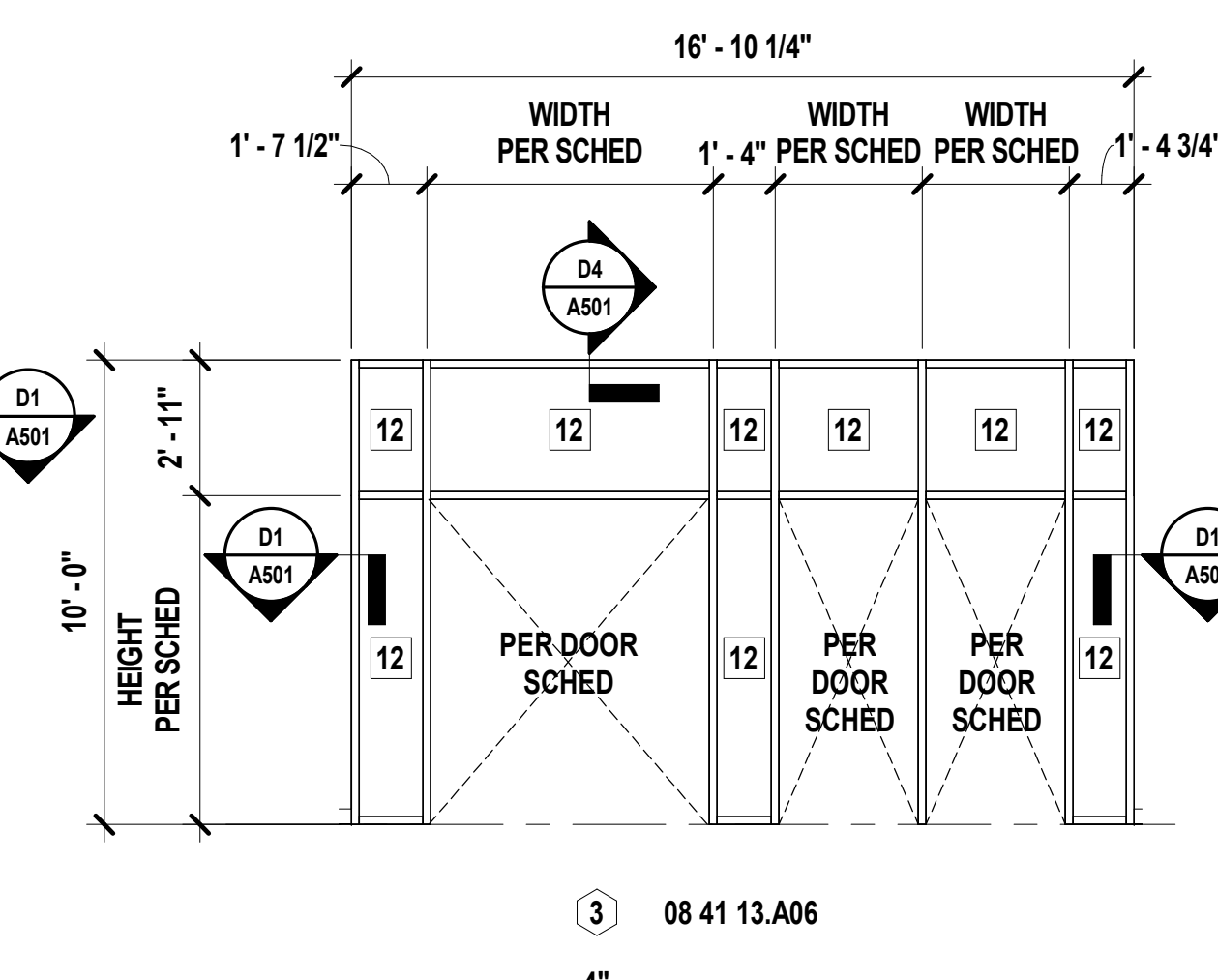
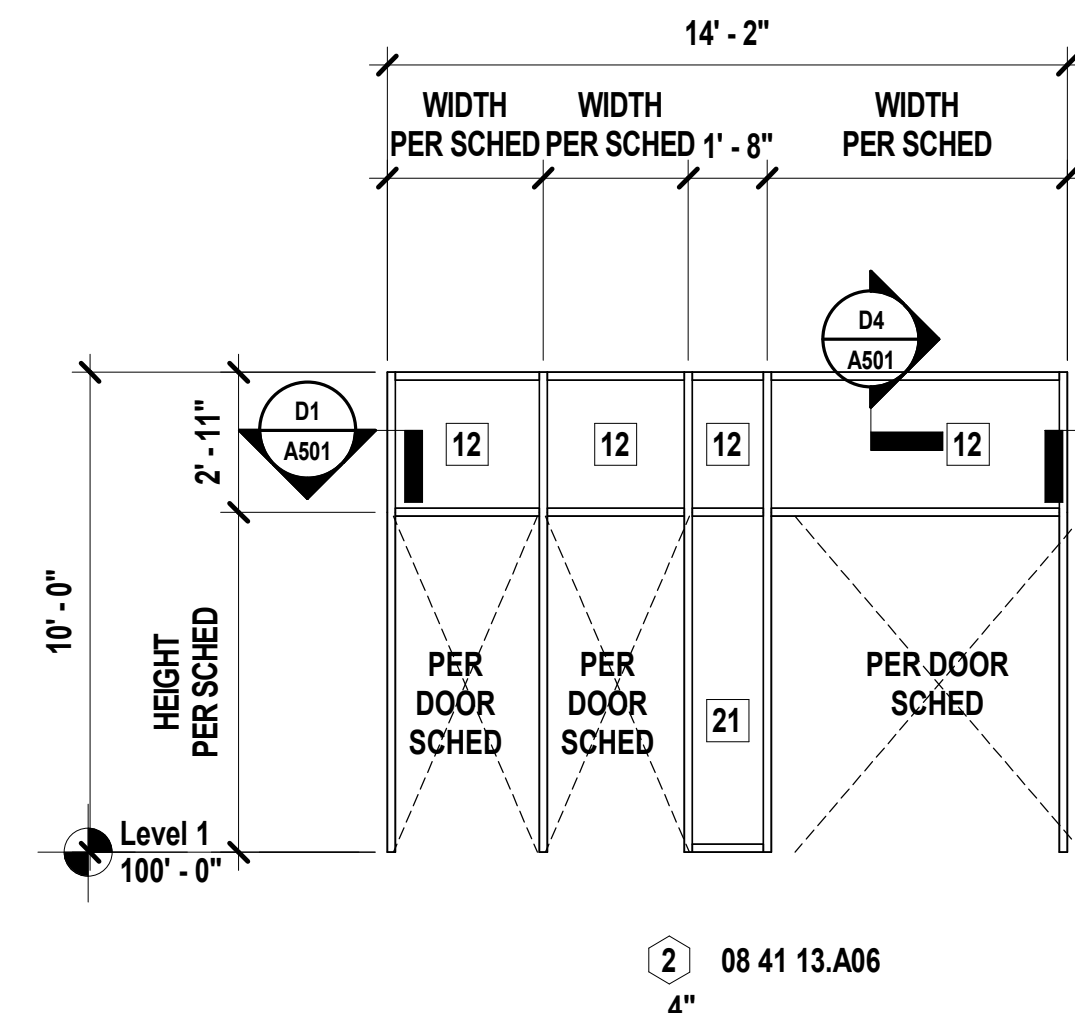
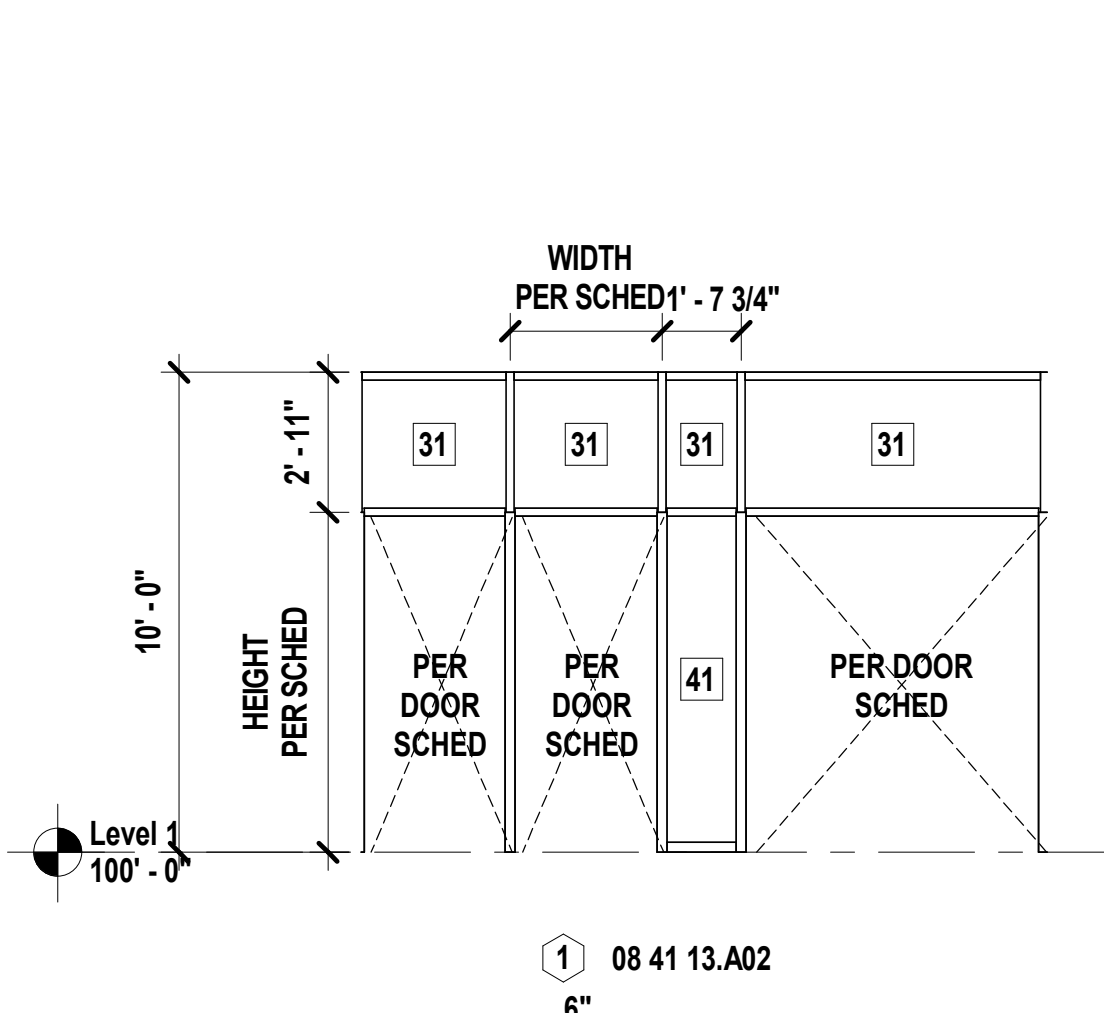






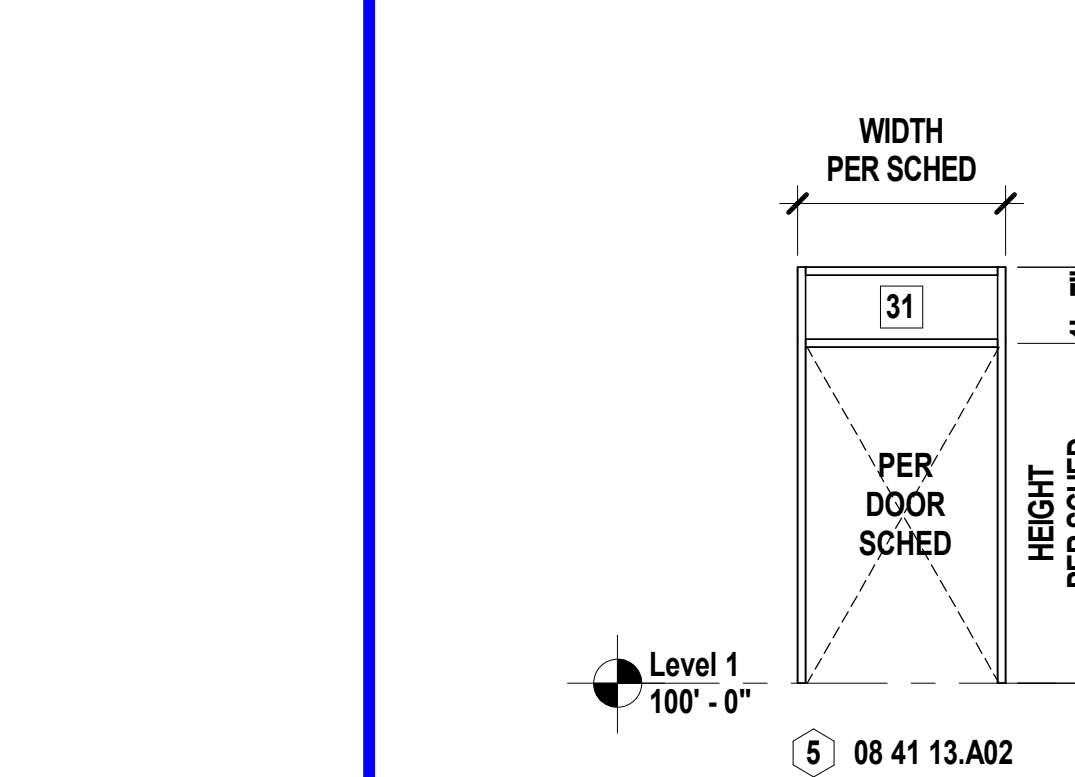
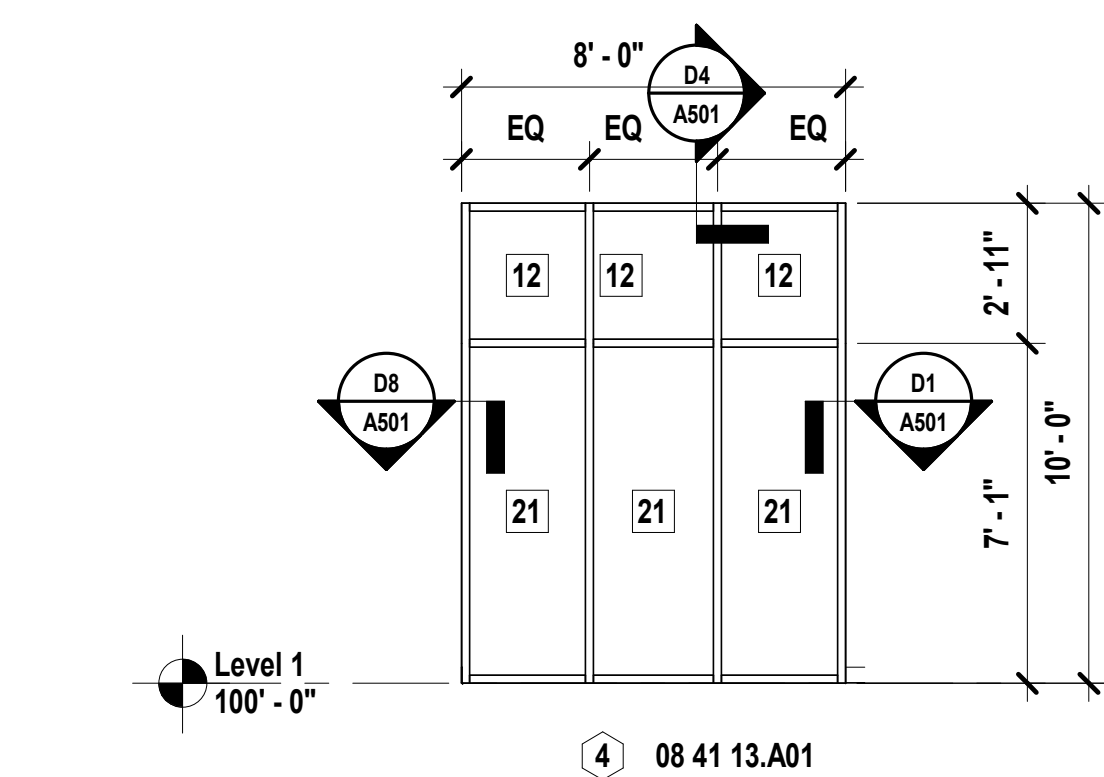
## DOOR SCHEDULE

| DOOR    |                           |      |       | Frame |          |                | All DETAILS on A501 UNO |                   |        |    | Fire Rating | Remarks  |
|---------|---------------------------|------|-------|-------|----------|----------------|-------------------------|-------------------|--------|----|-------------|--|
| Number  | Size                      | Type | Glass | Type  | Material | Head           | Strike                  | Hinge             | Thresh |    |             |  |
| S-A100  | PR 3'-0" x 7'-0" x 1 3/4" | E9   | 31    | 1     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- | 90MIN       | REMOVABLE CENTER MULLION                         |
| S-A100a | 3'-0" x 7'-0" x 1 3/4"    | E9   | 31    | 1     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- |             | FIXED CENTER MULLION                             |
| S-A100b | 3'-0" x 7'-0" x 1 3/4"    | E9   | --    | 1     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | F11/A501          | --     | -- |             | FIXED CENTER MULLION, CR, CALL BOX, ADA CONTROL  |
| S-A100c | PR 3'-0" x 7'-0" x 1 3/4" | E9   | 21    | 2     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- | 90MIN       | REMOVABLE CENTER MULLION                         |
| S-A100d | 3'-0" x 7'-0" x 1 3/4"    | E9   | 21    | 2     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- |             | FIXED CENTER MULLION                             |
| S-A100e | 3'-0" x 7'-0" x 1 3/4"    | E9   | --    | 2     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- |             | FIXED CENTER MULLION, CR                         |
| S-A101  | PR 3'-0" x 7'-0" x 1 3/4" | E9   | 21    | 3     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- | 90MIN       | REMOVABLE CENTER MULLION                         |
| S-A101a | 3'-0" x 7'-0" x 1 3/4"    | E9   | --    | 3     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- |             | FIXED CENTER MULLION                             |
| S-A101b | 3'-0" x 7'-0" x 1 3/4"    | E9   | --    | 3     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- |             | FIXED CENTER MULLION                             |
| S-A103a | PR 3'-0" x 7'-0" x 1 3/4" | F1   | --    | A     | HM       | A14/A501       | A14/A501                | A14/A501          | --     | -- | 90MIN       |  |
| S-A103b | 4'-0" x 7'-0" x 1 3/4"    | A3   | --    | A     | HM       | A7/A501        | A3/A501                 | A3/A501           | --     | -- |             |  |
| S-A103c | 3'-0" x 7'-0" x 1 3/4"    | F1   | --    | A     | HM       | F14/A501       | F11/A501                | F11/A501          | --     | -- |             |  |
| S-A104  | PR 3'-0" x 7'-0" x 1 3/4" | B3   | --    | A     | HM       | A7/A501        | --                      | A1/A501 & A3/A501 | --     | -- | 90MIN       |  |
| S-A104a | 4'-0" x 7'-0" x 1 3/4"    | F1   | --    | A     | HM       | F14/A501       | F11/A501                | F11/A501          | --     | -- |             |  |
| S-A105  | 3'-0" x 7'-0" x 1 3/4"    | A3   | --    | A     | HM       | A7/A501        | A3/A501                 | A5/A501           | --     | -- |             |  |
| S-A106  | 3'-0" x 7'-0" x 1 3/4"    | A3   | --    | A     | HM       | A7/A501        | A3/A501                 | A3/A501           | --     | -- | 90MIN       |  |
| S-A108  | 4'-0" x 7'-0" x 1 3/4"    | F1   | --    | A     | HM       | F14/A501       | F11/A501                | F11/A501          | --     | -- |             |  |
| S-A110a | PR 3'-2" x 7'-0" x 1 3/4" | F1   | --    | A     | HM       | A14/A501       | --                      | A14/A501          | --     | -- |             |  |
| S-A111  | 4'-0" x 7'-0" x 1 3/4"    | A3   | --    | A     | HM       | A7/A501        | A3/A501                 | A3/A501           | --     | -- | 90MIN       |  |
| S-A112  | 4'-0" x 7'-0" x 1 3/4"    | A3   | --    | A     | HM       | A7/A501        | A3/A501                 | A3/A501           | --     | -- |             |  |
| S-A112a | 3'-6" x 7'-0" x 1 3/4"    | A3   | --    | A     | HM       | A7/A501        | A3/A501                 | A3/A501           | --     | -- |             |  |
| S-A113  | 4'-0" x 7'-0" x 1 3/4"    | E9   | 21    | 5     | ALUM     | RE: FRAME ELEV | RE: FRAME ELEV          | RE: FRAME ELEV    | --     | -- |             |  |
| S-x112  | 4'-0" x 7'-0" x 1 3/4"    | --   | --    | --    | --       | --             | --                      | --                | --     | -- |             | EXISTING DOOR & FRAME TO REMAIN, PNT             |
| S-x112a | PR 3'-0" x 7'-0" x 1 3/4" | --   | --    | --    | --       | --             | --                      | --                | --     | -- |             | EXISTING DOOR & FRAME TO REMAIN, PNT             |
| S-x112b | PR 3'-0" x 7'-0" x 1 3/4" | --   | --    | --    | --       | --             | --                      | --                | --     | -- |             | EXISTING DOOR & FRAME TO REMAIN, REMOVE MAGLOCKS |
| S-x112c | PR 3'-0" x 7'-0" x 1 3/4" | --   | --    | --    | --       | --             | --                      | --                | --     | -- |             | EXISTING DOOR & FRAME TO REMAIN, REMOVE MAGLOCKS |
| S-x112d | PR 3'-0" x 7'-0" x 1 3/4" | --   | --    | --    | --       | --             | --                      | --                | --     | -- |             | EXISTING DOOR & FRAME TO REMAIN, REMOVE MAGLOCKS |



**N10** Scale 1/4" = 1'-0" Exterior Window Frame

**N13** Scale 1/4" = 1'-0" Interior Window Frame



**K12** Scale 1/4" = 1'-0" Interior Window Frame by Gym

**K15** Scale 1/4" = 1'-0" Exterior Window Frame 2

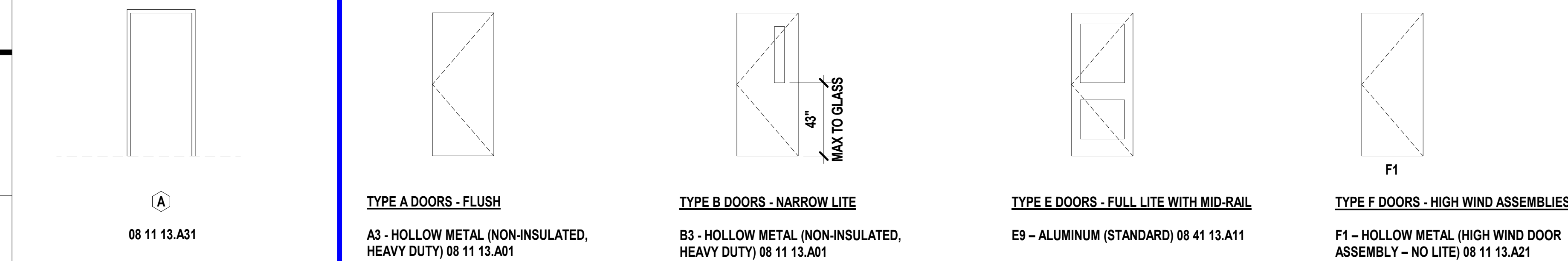
## SHEET KEYNOTE LEGEND

|              |  |
|--------------|--|
| 06 10 00.A19 | PLYWOOD BLOCKING AND BACKING PANELS          |
| 07 62 00.A27 | DRIP EDGES                                   |
| 07 84 46.A01 | FIRE RESISTIVE JOINT SYSTEM                  |
| 07 92 00.A01 | SEALANT                                      |
| 07 92 00.A02 | SEALANT W/BACKER ROD                         |
| 08 11 13.A21 | HOLLOW METAL DOOR - HIGH WIND DOOR ASSEMBLY  |
| 08 11 13.A31 | HOLLOW METAL FRAME                           |
| 08 41 13.A01 | THERMAL BROKEN STOREFRONT FRAMING (4.5")     |
| 08 41 13.A02 | THERMAL BROKEN STOREFRONT FRAMING (6")       |
| 08 41 13.A06 | NON-THERMAL BROKEN STOREFRONT FRAMING (4.5") |
| 09 21 16.A01 | NON-STRUCTURAL FRAMING                       |
| 09 29 00.A11 | GYPSUM BOARD TRIM                            |

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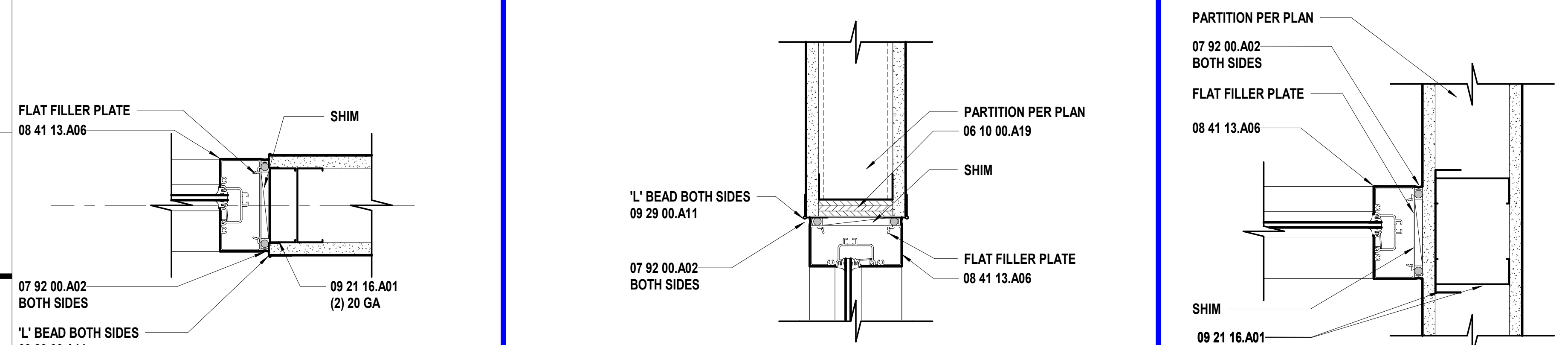
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**K1** Scale 1/4" = 1'-0" Hollow Metal Frame Types

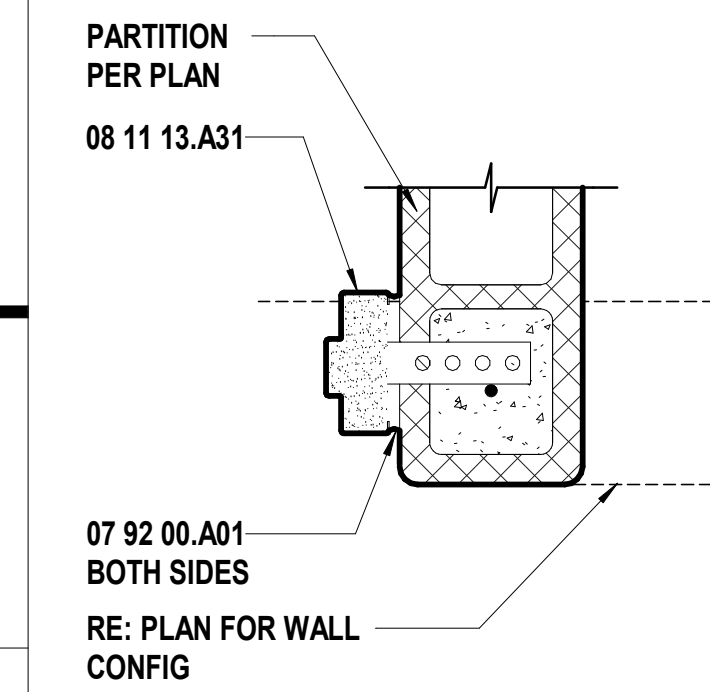
**K3** Scale 1/4" = 1'-0" Door Types



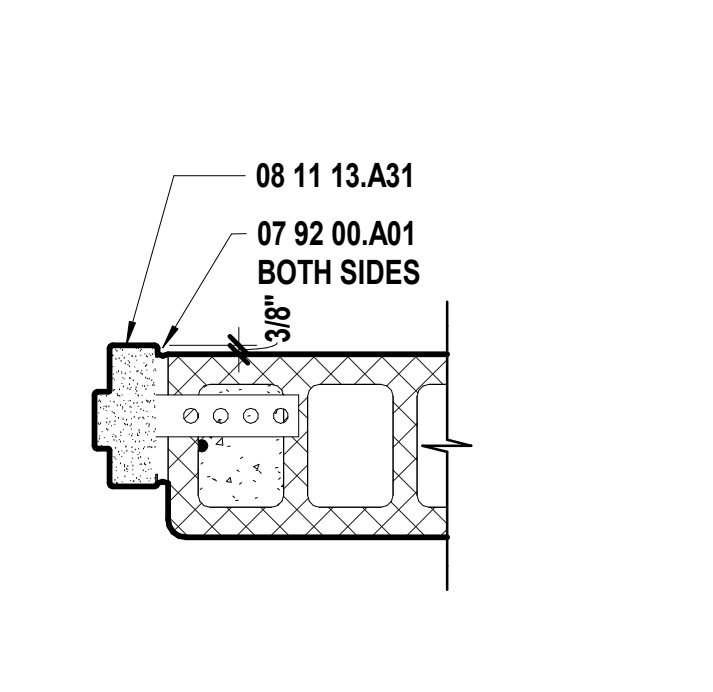
**D1** Scale 3" = 1'-0" Storefront Jamb @ Stud Wall (Interior)

**D4** Scale 3" = 1'-0" Storefront Head @ Stud Wall (Interior)

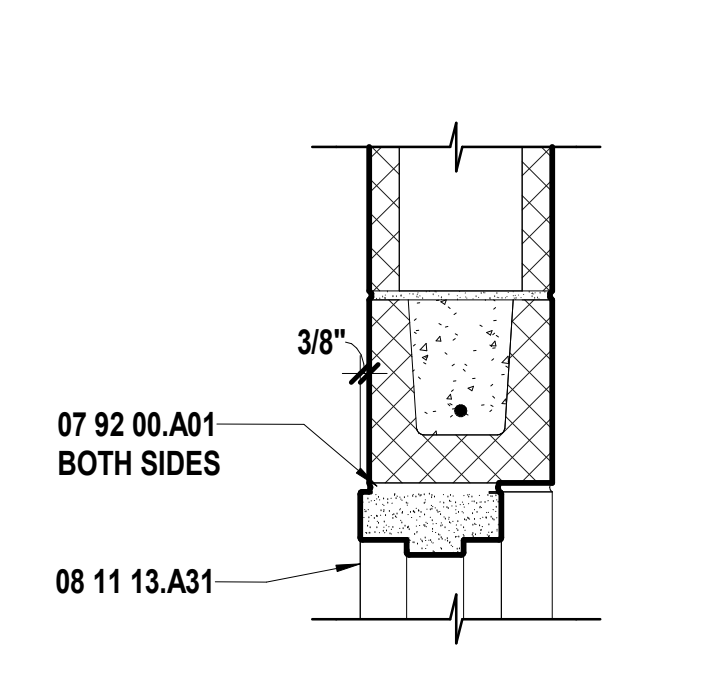
**D8** Scale 3" = 1'-0" Storefront Jamb Along Stud Wall (Interior)



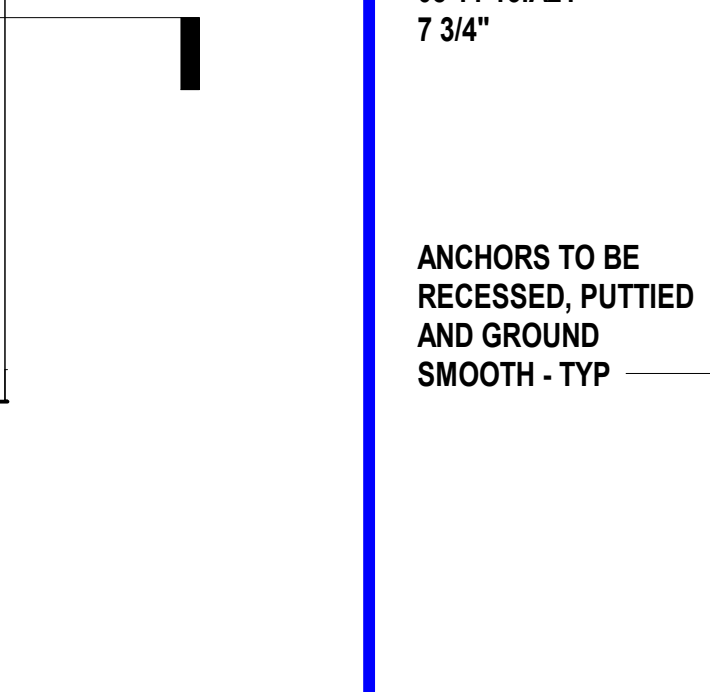
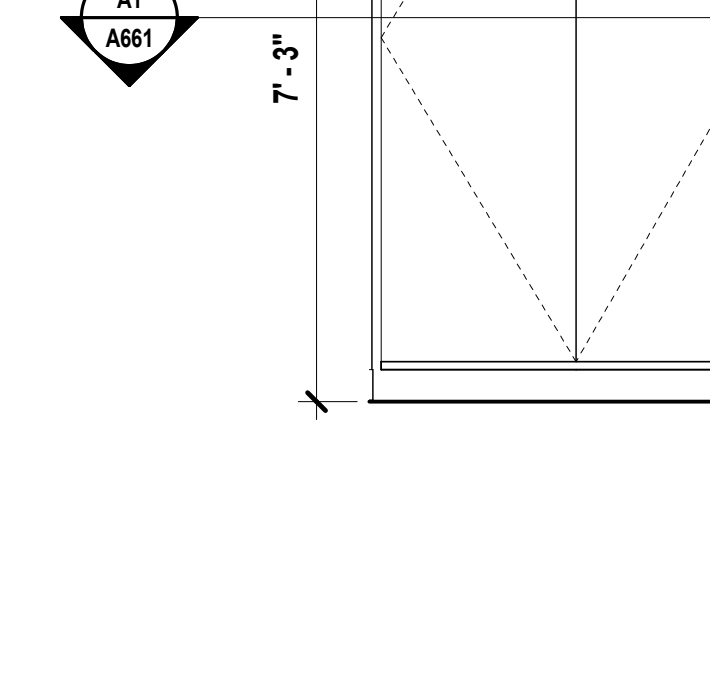
**A1** Scale 1 1/2" = 1'-0" HM Jamb @ CMU



**A3** Scale 1 1/2" = 1'-0" HM Jamb @ CMU



**A5** Scale 1 1/2" = 1'-0" HM Jamb @ CMU



**A7** Scale 1 1/2" = 1'-0" HM Head @ CMU

**A11** Scale 1/2" = 1'-0" Display Case Frame

**A14** Scale 3" = 1'-0" HIGH WIND DETAIL - Interior HM Door Frame @ Wall Type 43

## DOOR TYPE NOTES

- REFER TO DOOR SCHEDULE FOR OVERALL DOOR DIMENSIONS
- DIMENSIONS ASSOCIATED WITH VISION LITES ARE TO THE OUTSIDE OF THE VISION LITE FRAME UNLESS NOTED OTHERWISE
- REFER TO DOOR SCHEDULE TO DETERMINE WHICH DOORS ARE REQUIRED TO BE FIRE RATED
- REFER TO DOOR SCHEDULE FOR GLASS TYPES IN DOORS

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1 Addendum 01 09.14.2023



SEPTEMBER 14, 2023  
Kevin E. Nelson  
A-2019015618

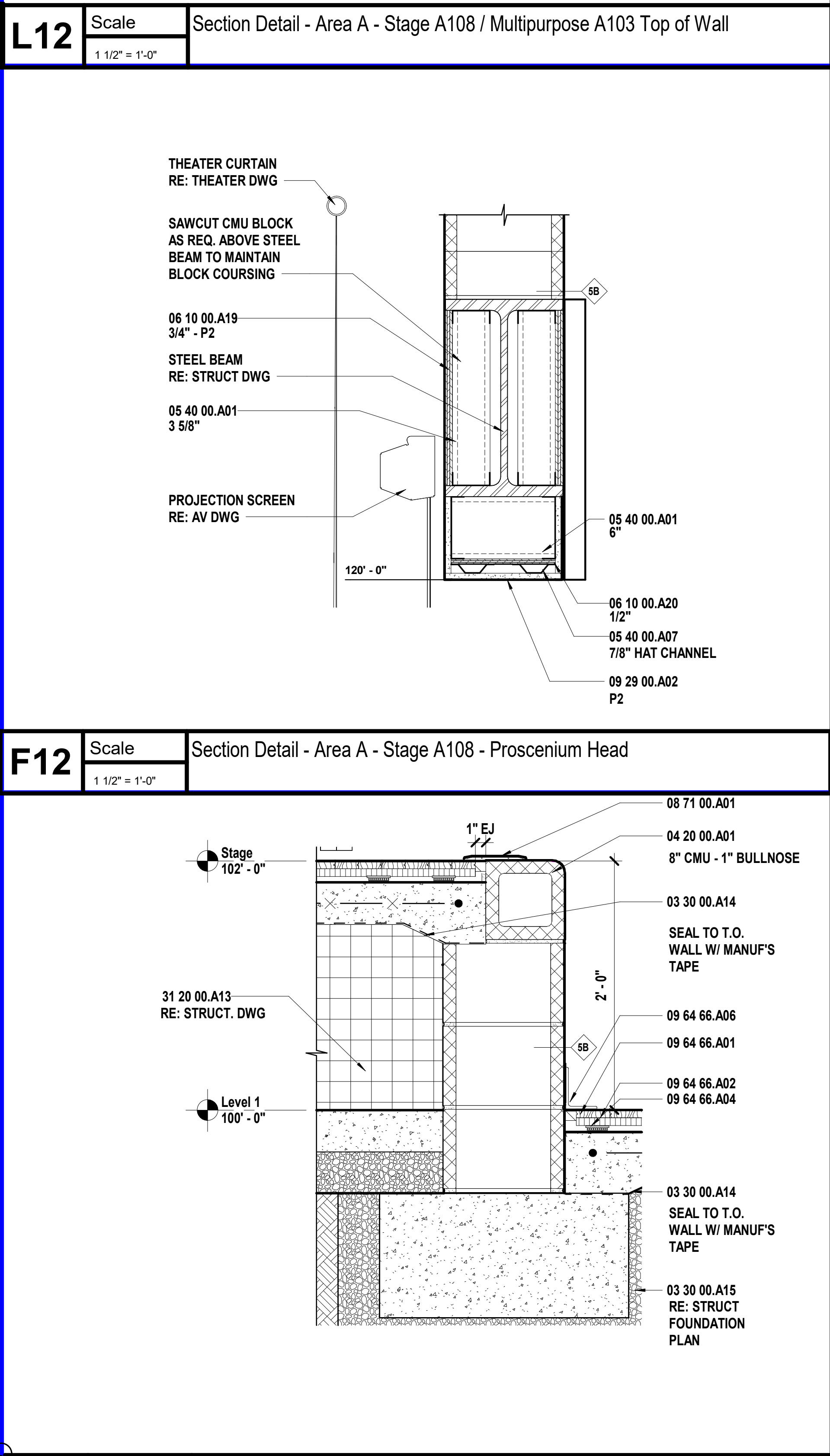
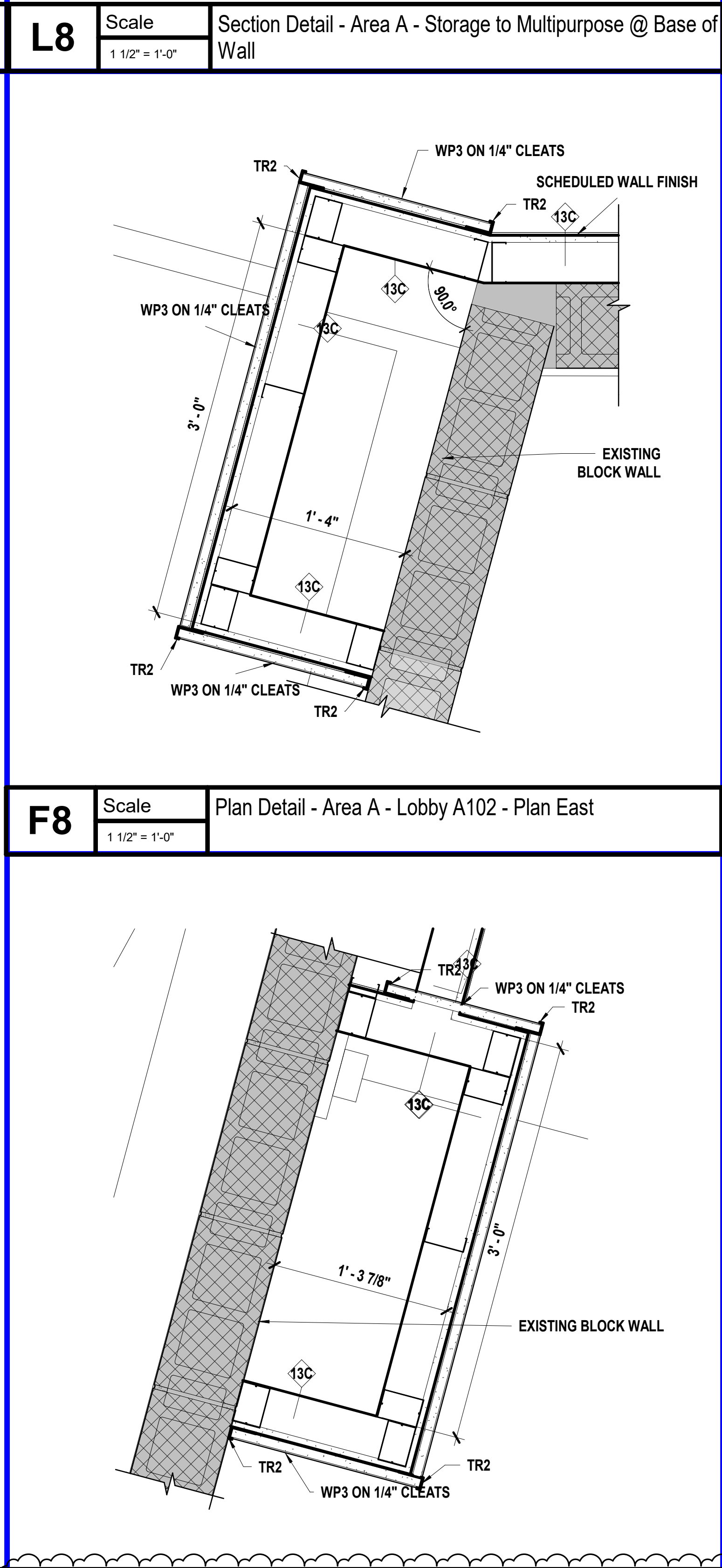
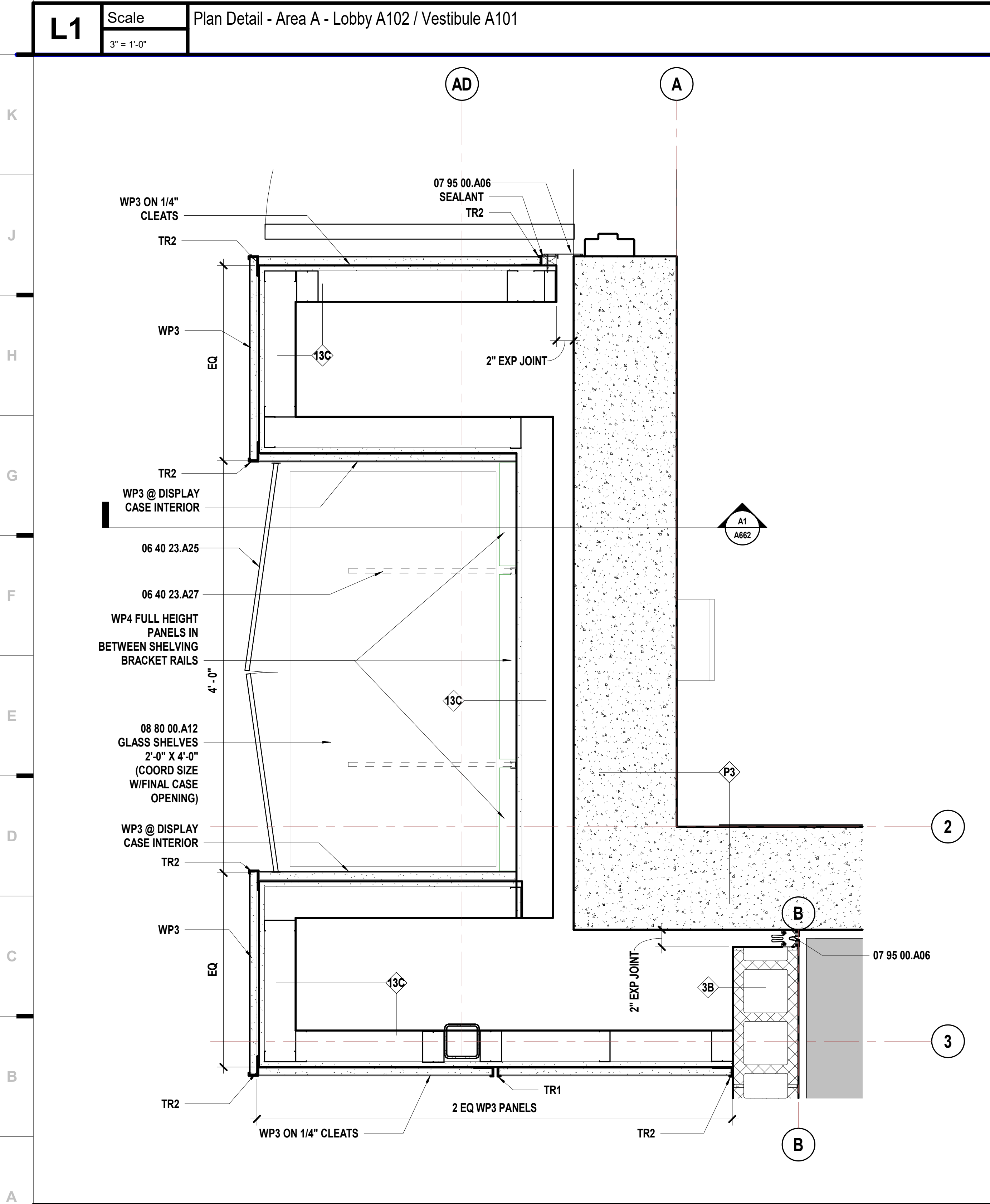
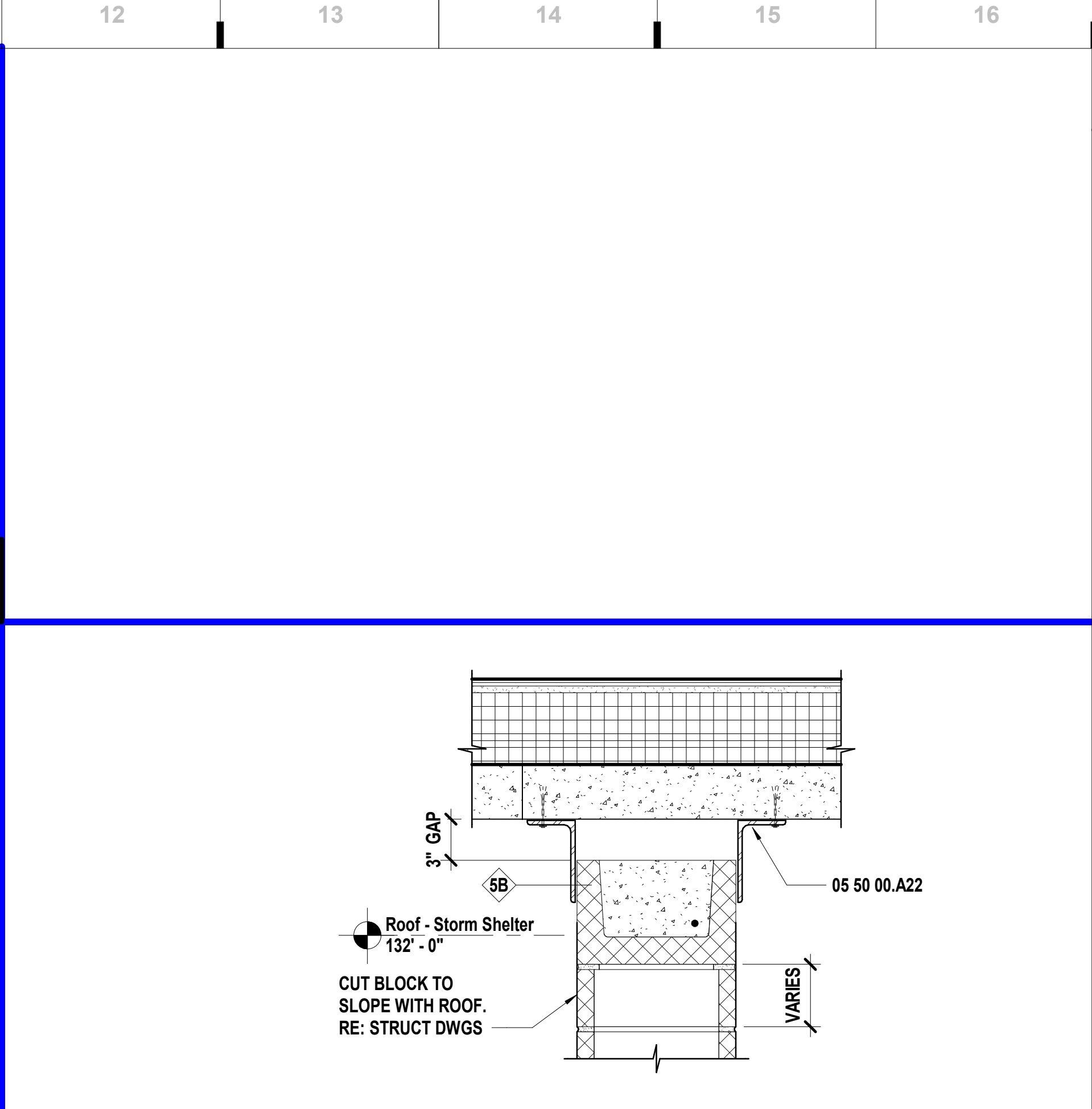
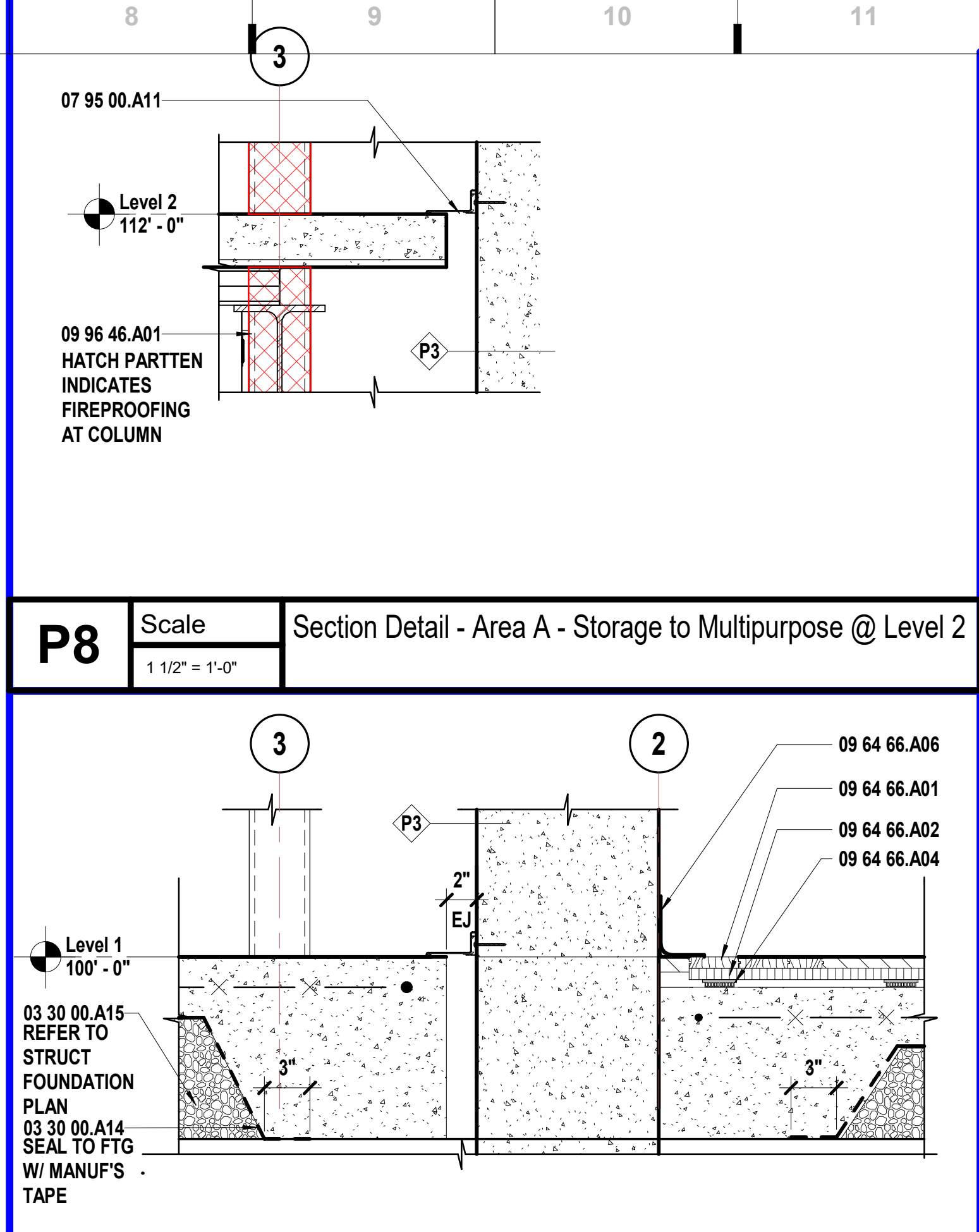
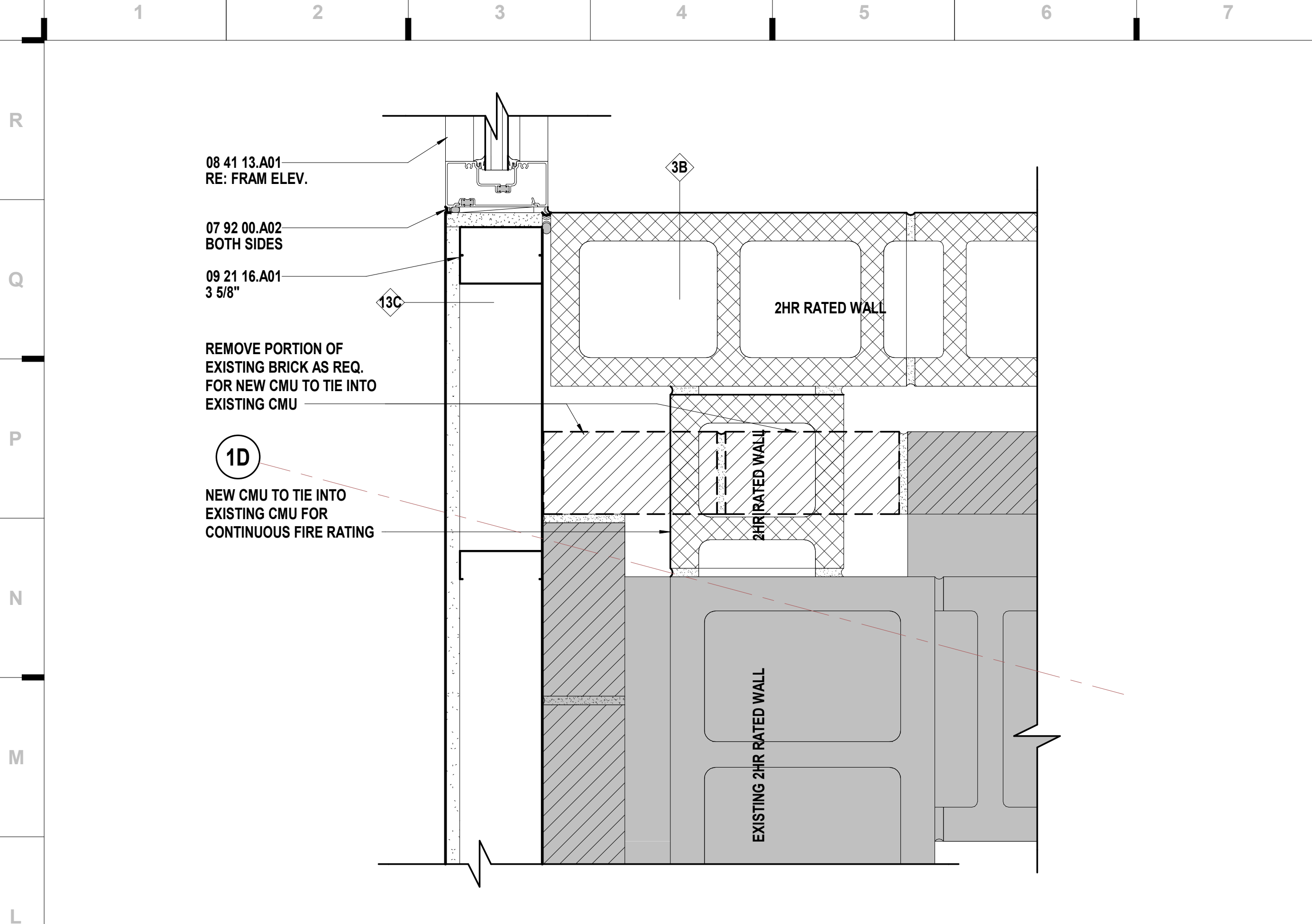
JOB NO: 23019  
DRAWN BY: KL  
CHECKED BY: JB  
DATE: 08.31.2023

**A501**









| SHEET KEYNOTE LEGEND |  |
|----------------------|--|
| 03 30 00.A14         | VAPOR RETARDERS  |
| 03 30 00.A15         | GRANULAR DRAINAGE FILL                                     |
| 04 20 00.A01         | CONCRETE MASONRY UNITS                                     |
| 05 40 00.A01         | COLD-FORMED METAL FRAMING                                  |
| 05 40 00.A07         | MISCELLANEOUS FRAMING/FURRING                              |
| 05 50 00.A22         | LOOSE STEEL LINTEL   |
| 06 10 00.A19         | PLYWOOD BLOCKING AND BACKING PANELS                        |
| 06 10 00.A20         | FIRE-RETARDANT TREATED PLYWOOD BLOCKING AND BACKING PANELS |
| 06 40 23.A25         | SWINGING DISPLAY CASE DOOR SYSTEM                          |
| 06 40 23.A27         | DISPLAY CASE SHELVEING SYSTEM                              |
| 07 92 00.A02         | SEALANT W/BACKER ROD                                       |
| 07 95 00.A06         | WALL-TO-WALL JOINT SYSTEM                                  |
| 07 95 00.A11         | CEILING-TO-WALL JOINT SYSTEM                               |
| 08 41 13.A01         | THERMAL BROKEN STOREFRONT FRAMING (4.5\"/>                 |
| 08 71 00.A01         | THRESHOLDS   |
| 08 80 00.A12         | 3/8\"/>  |
| 09 21 16.A01         | NON-STRUCTURAL FRAMING                                     |
| 09 29 00.A02         | GYPSUM BOARD - TYPE X                                      |
| 09 64 66.A01         | WOOD ATHLETIC FLOOR  |
| 09 64 66.A02         | UNDERLAYMENT   |
| 09 64 66.A04         | RESILIENT PADS   |
| 09 64 66.A06         | RESILIENT WALL BASE (VENTED)                               |
| 09 96 46.A01         | INTUMESCENT PAINT  |
| 31 20 00.A13         | GEOFOAM  |

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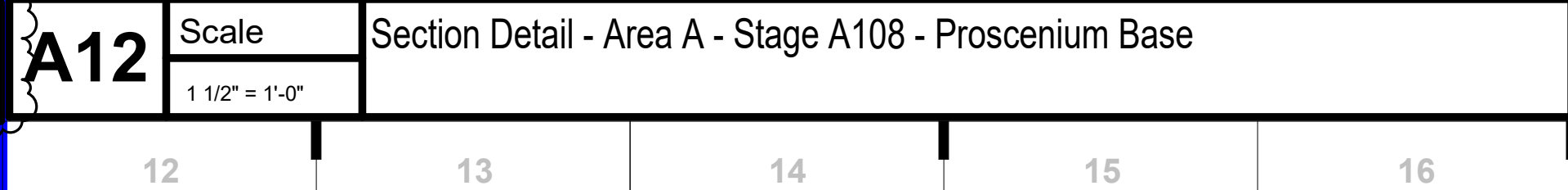
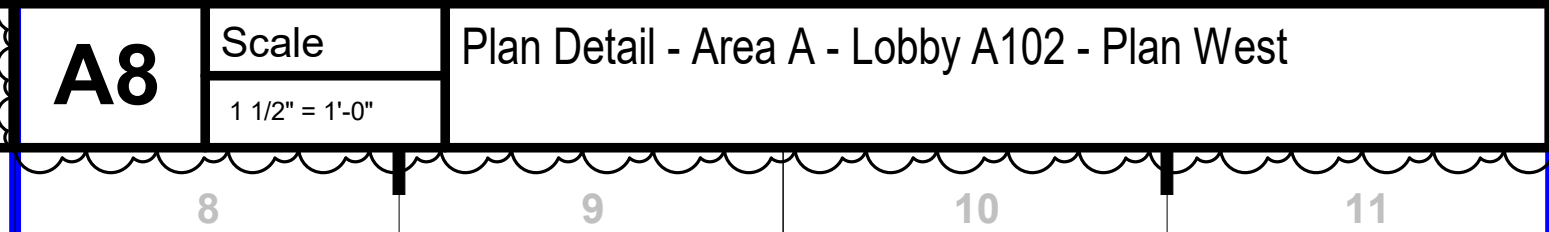
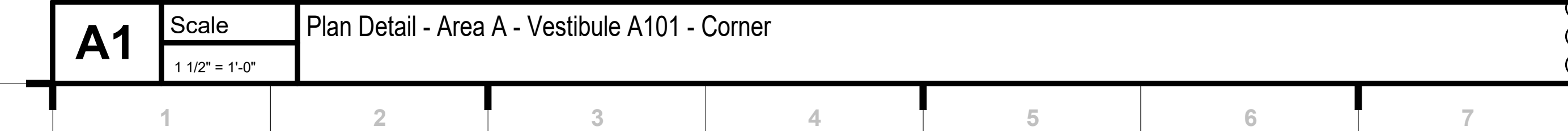
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Structural Engineer  
State Certificate of Authority #000442  
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Olathe, KS 66061  
913.345.2127 phone

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11827 W 112th Street, Suite 200  
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913.317.9390 phone

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SEPTEMBER 14, 2023

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A-2019015618

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A-2019015618

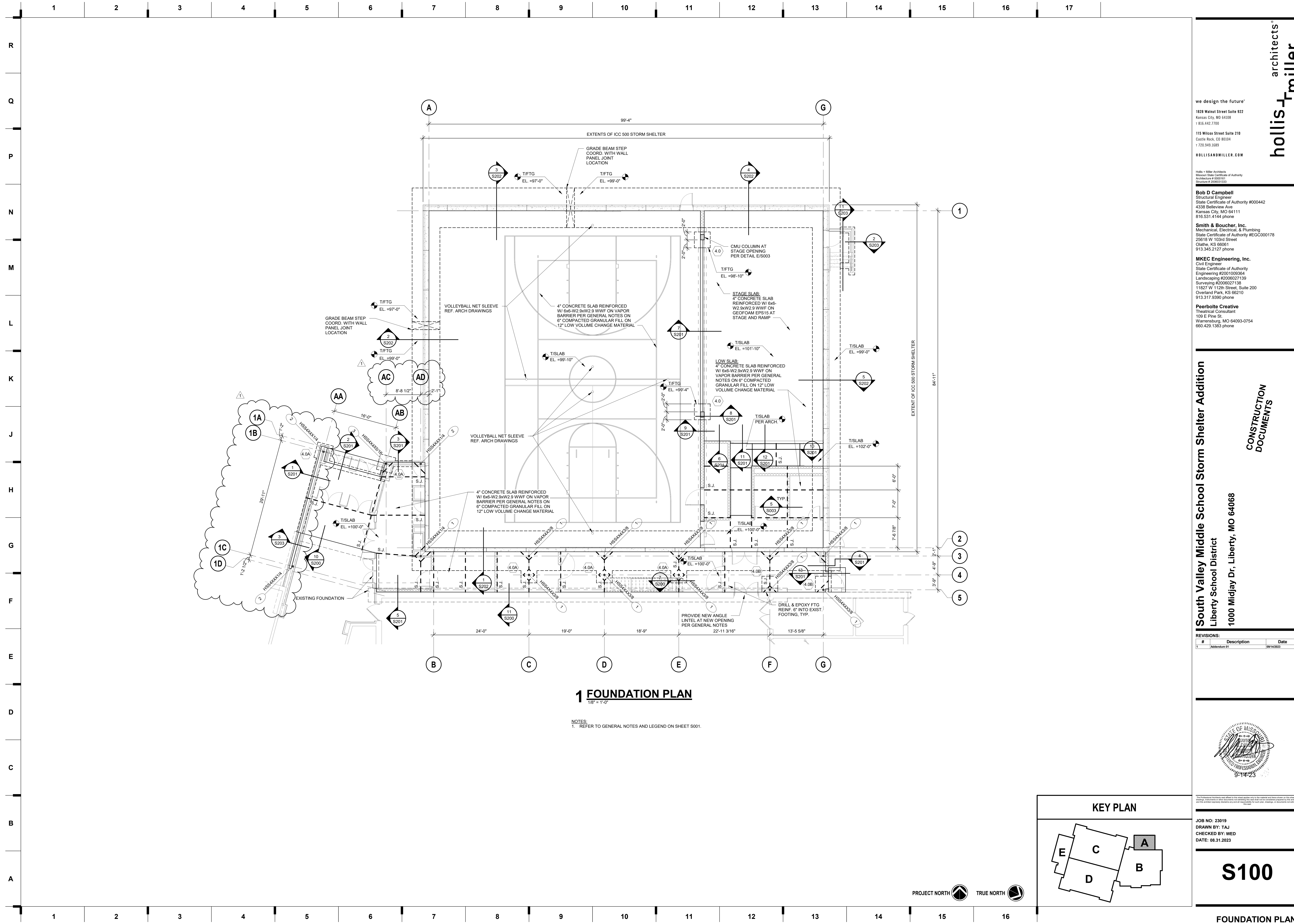
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A661

INTERIOR DETAILS





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Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

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This Professional Addendum is effective for the stated application to the original and shall remain in effect until the original is amended or replaced by a subsequent addendum. It is the responsibility of the engineer to ensure that all addenda are properly filed and that all addenda are properly filed and that all addenda are properly filed.

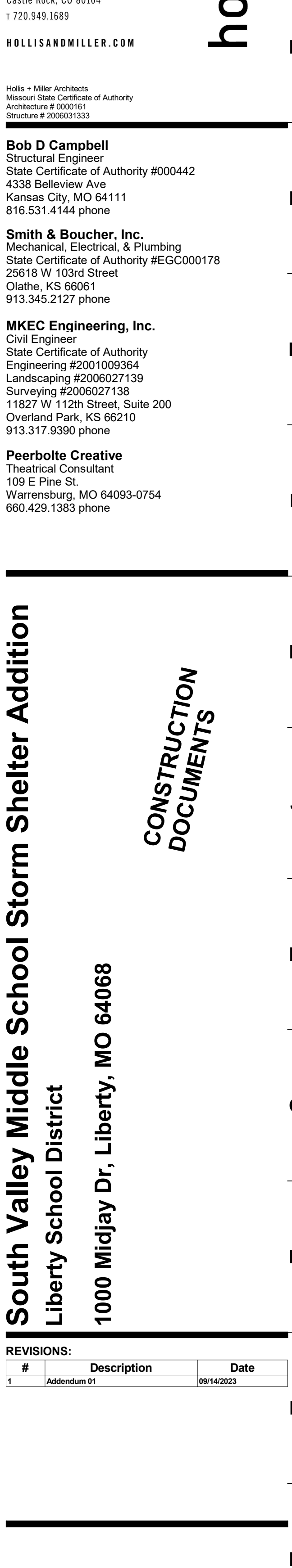
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**S100**

FOUNDATION PLAN

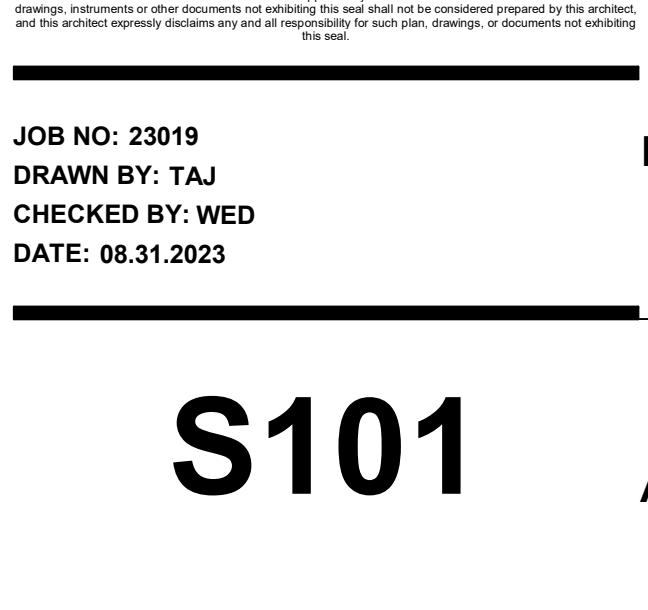
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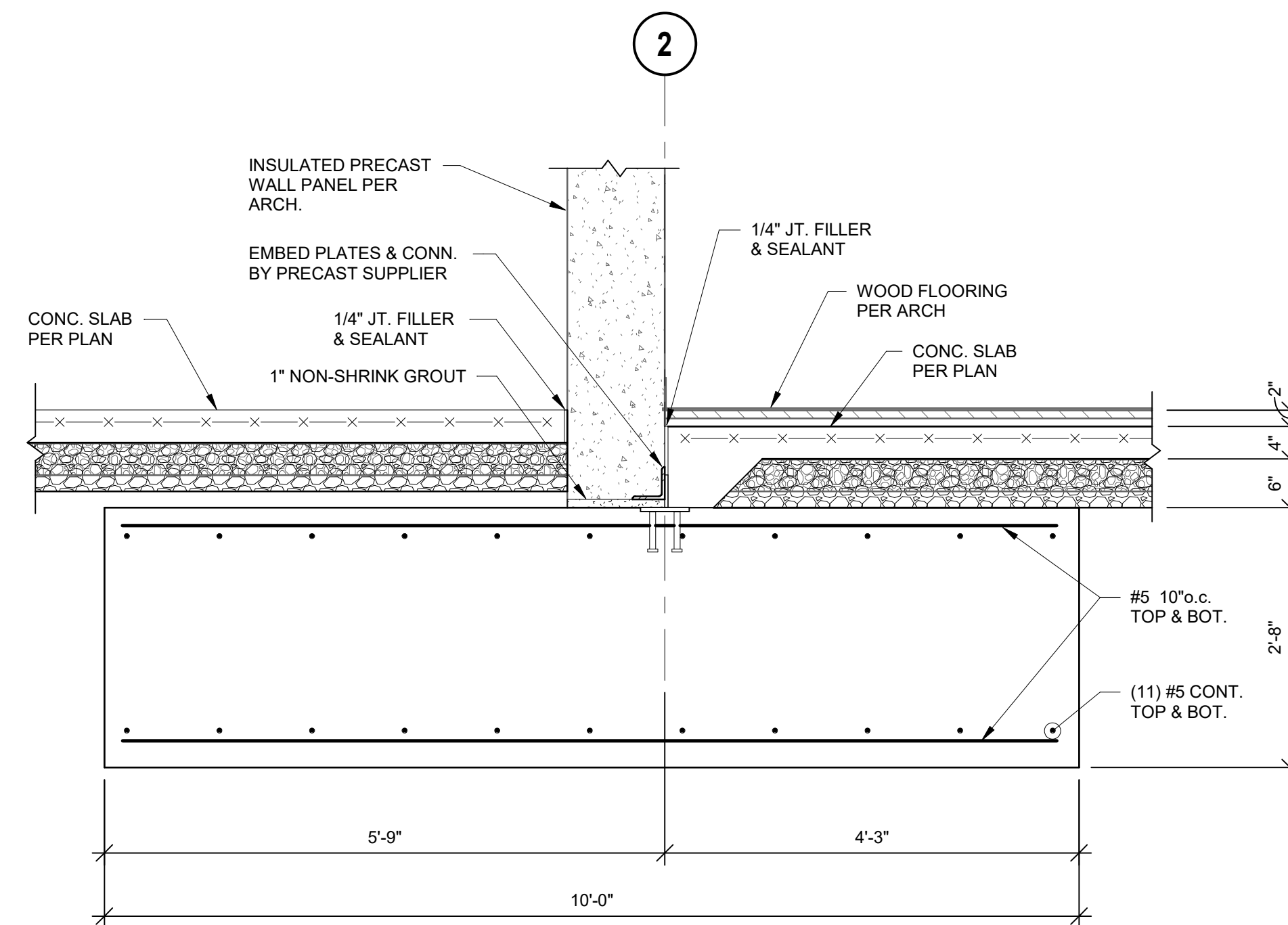
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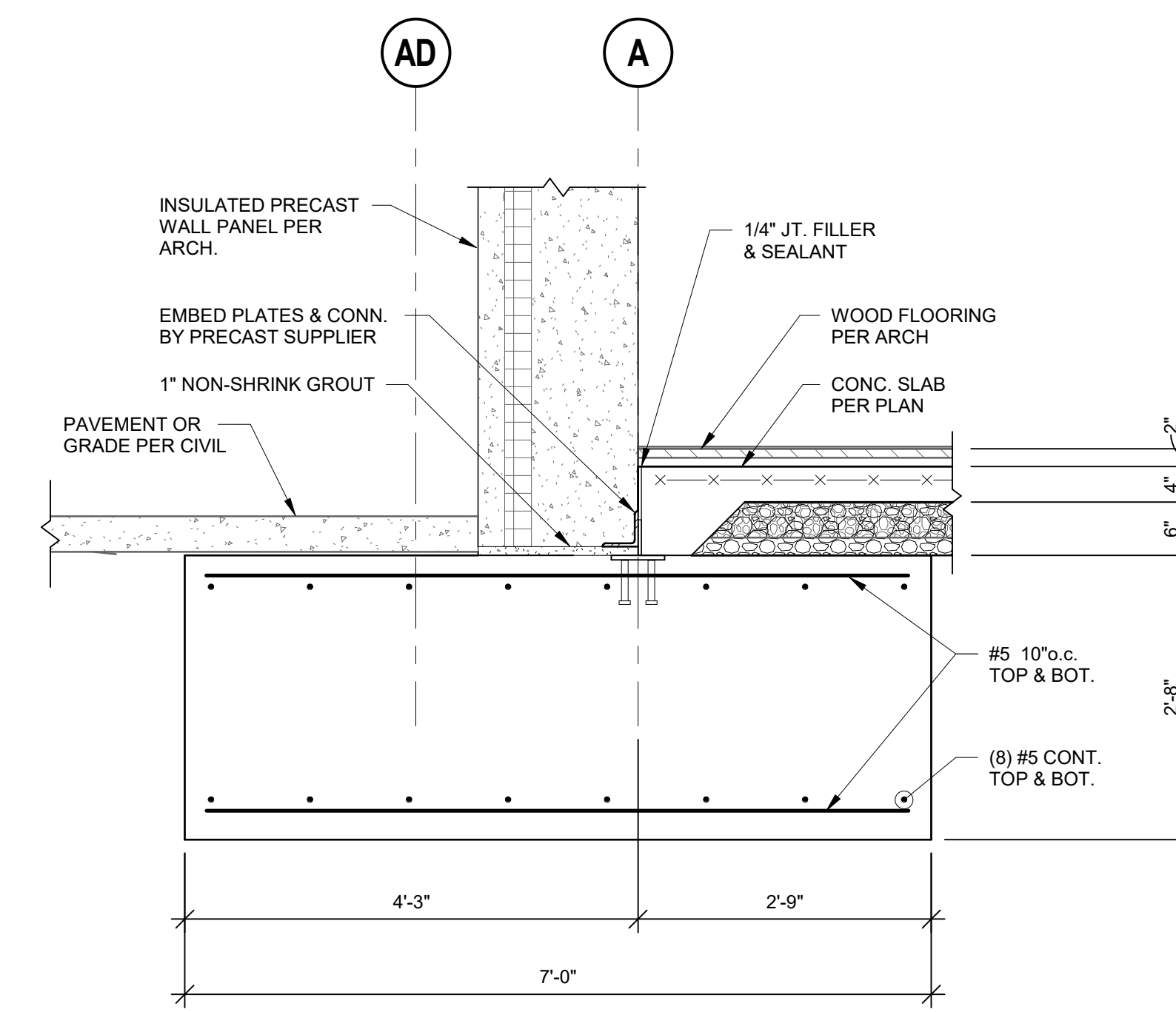


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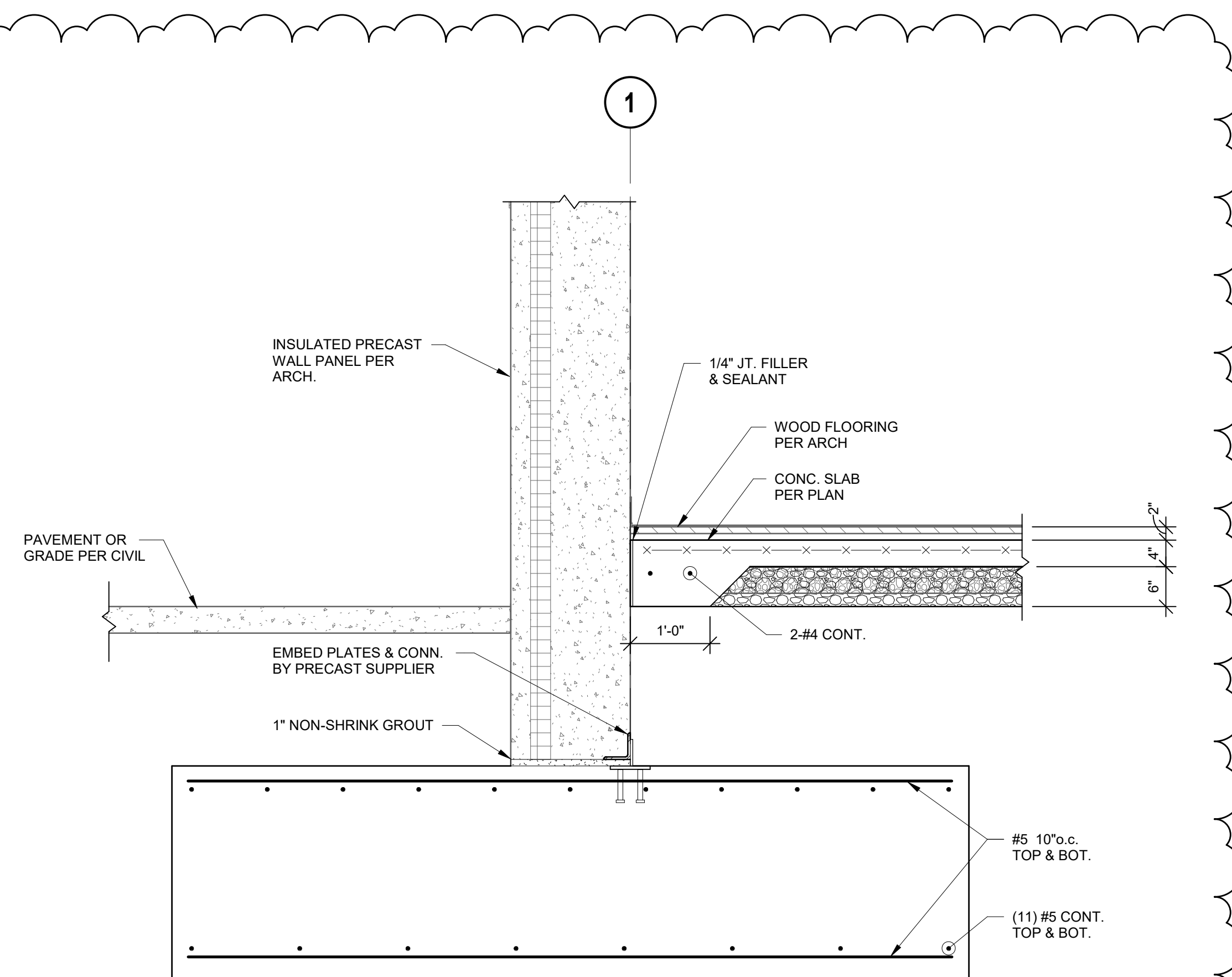




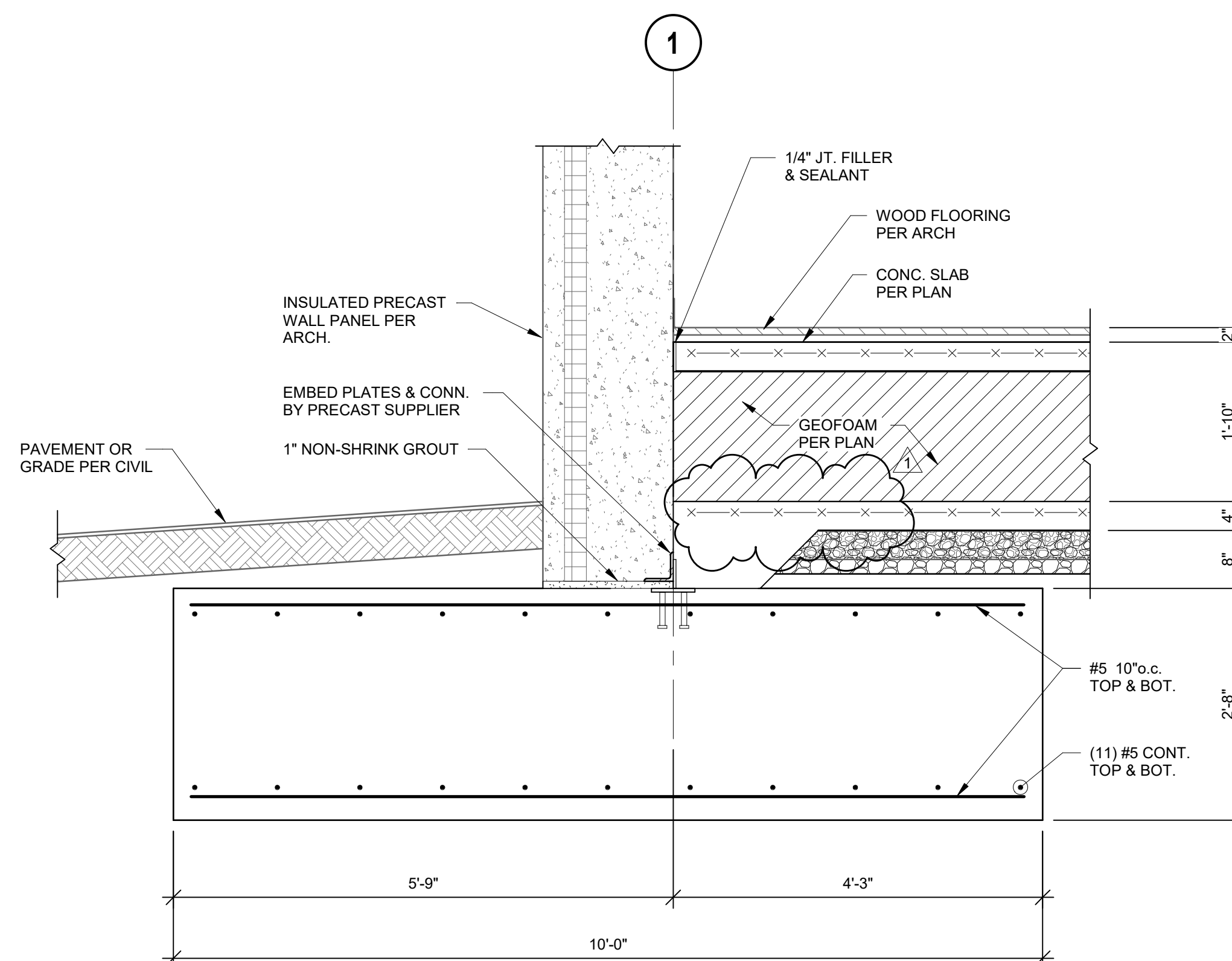
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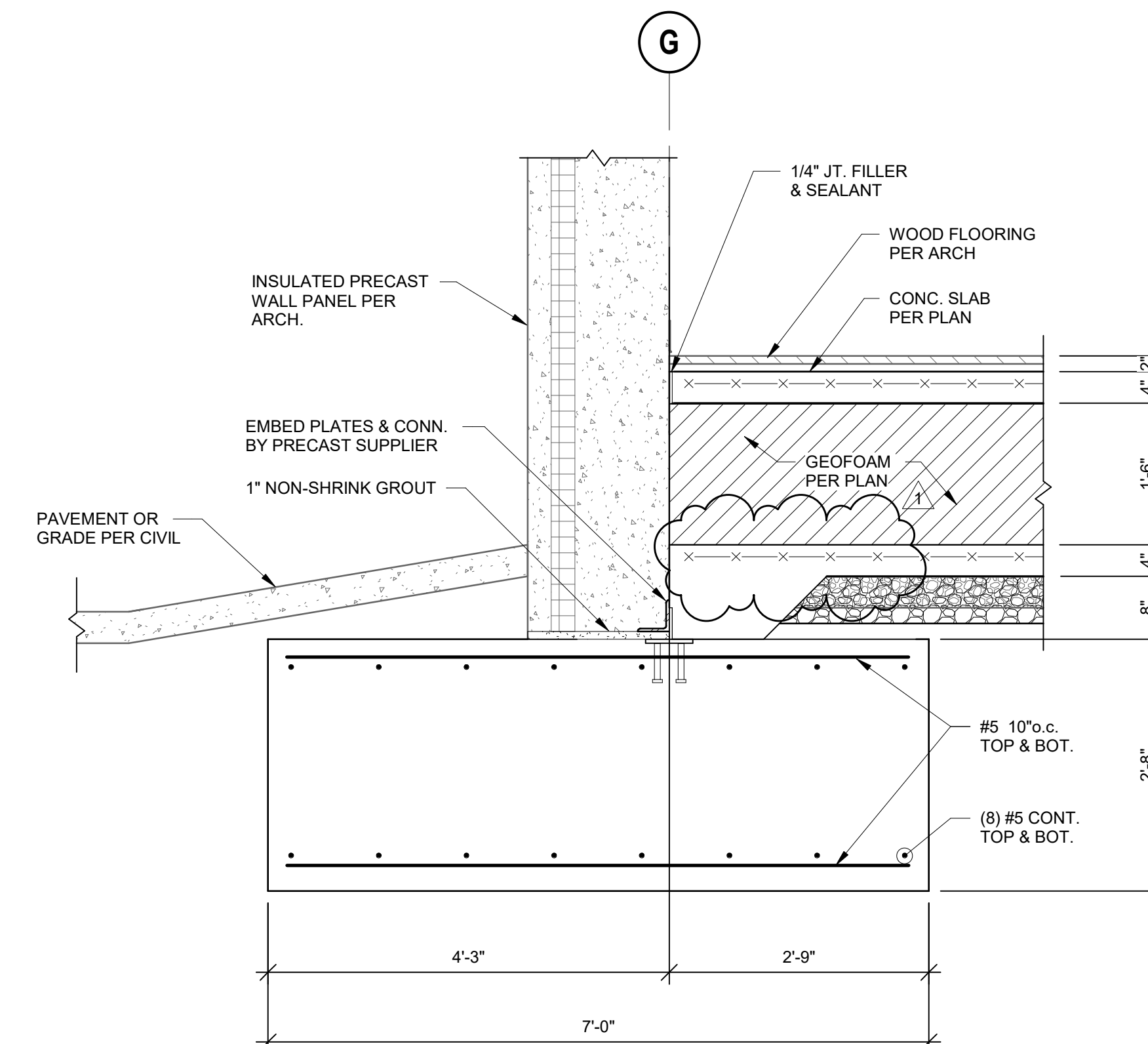
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### 3 SECTION



## 4 SECTION

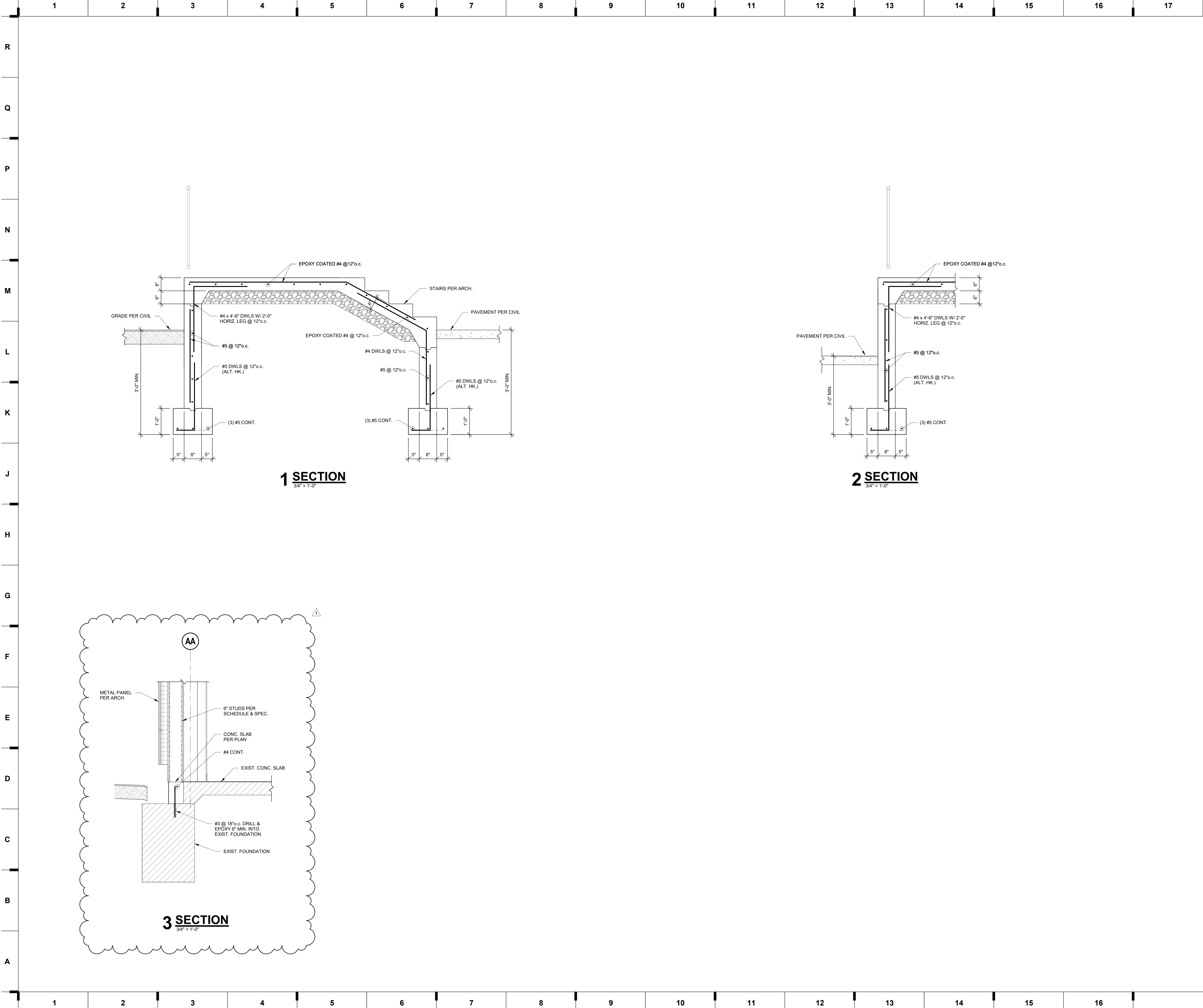


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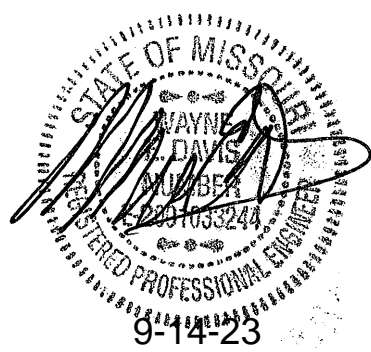
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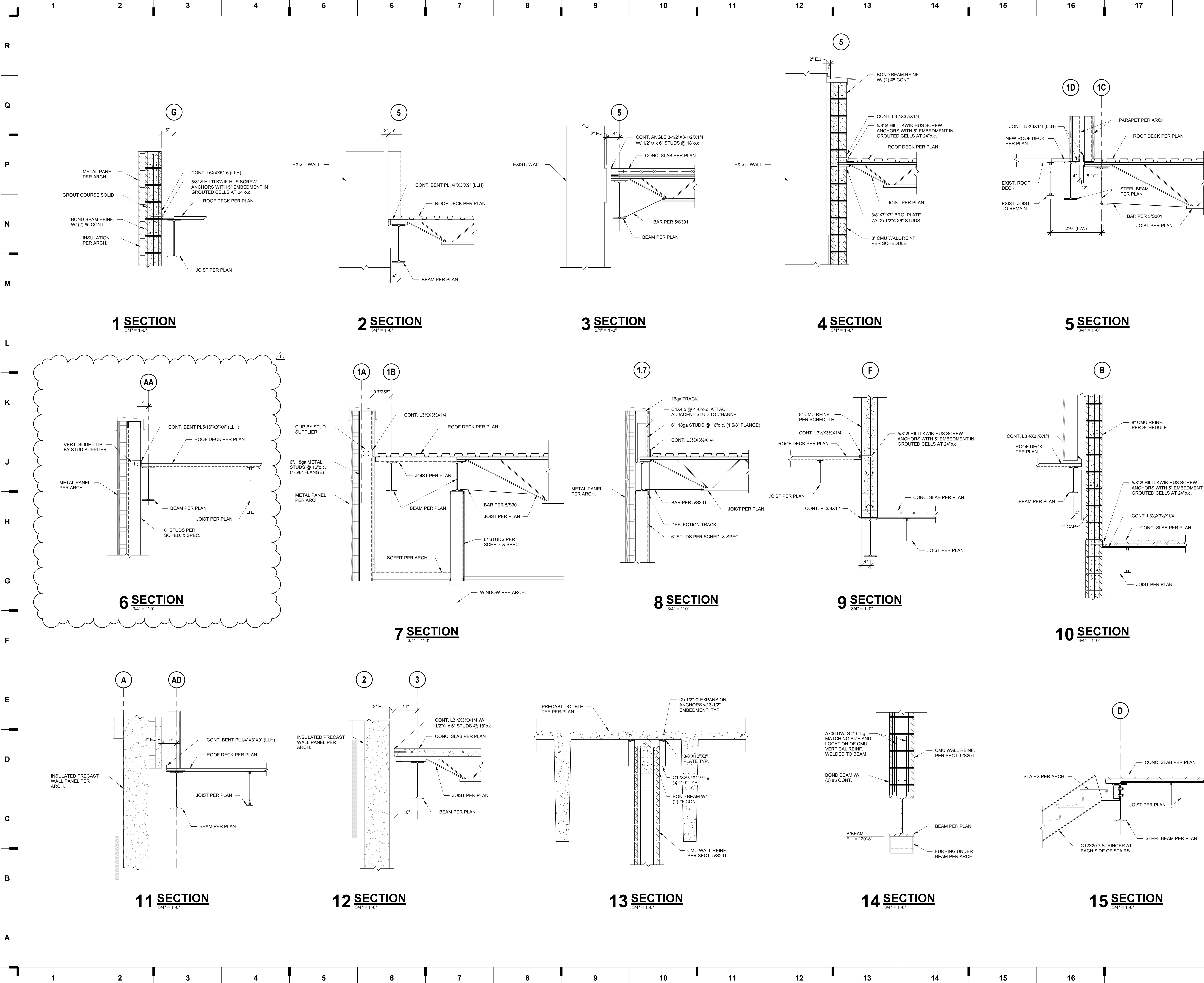
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Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
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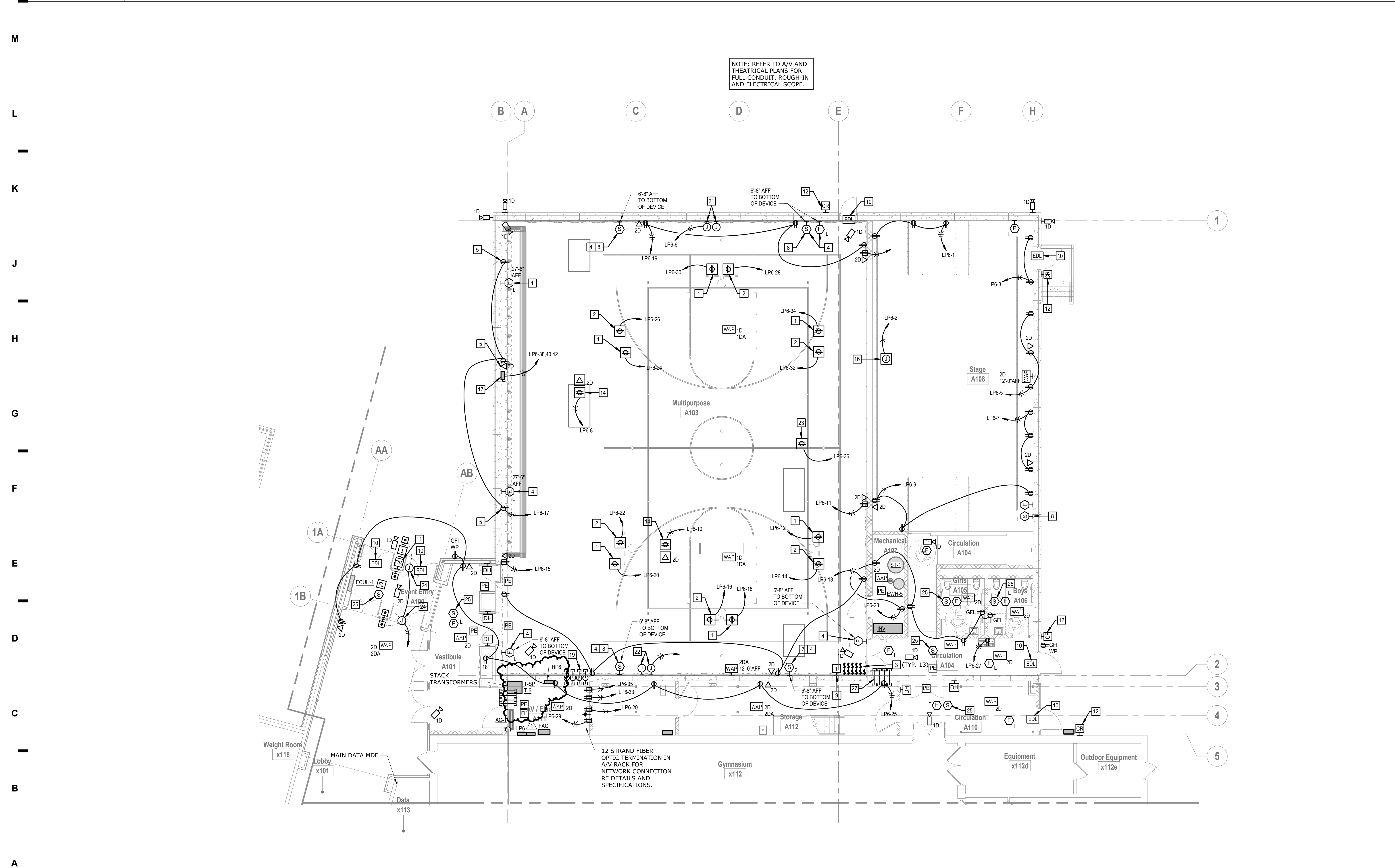
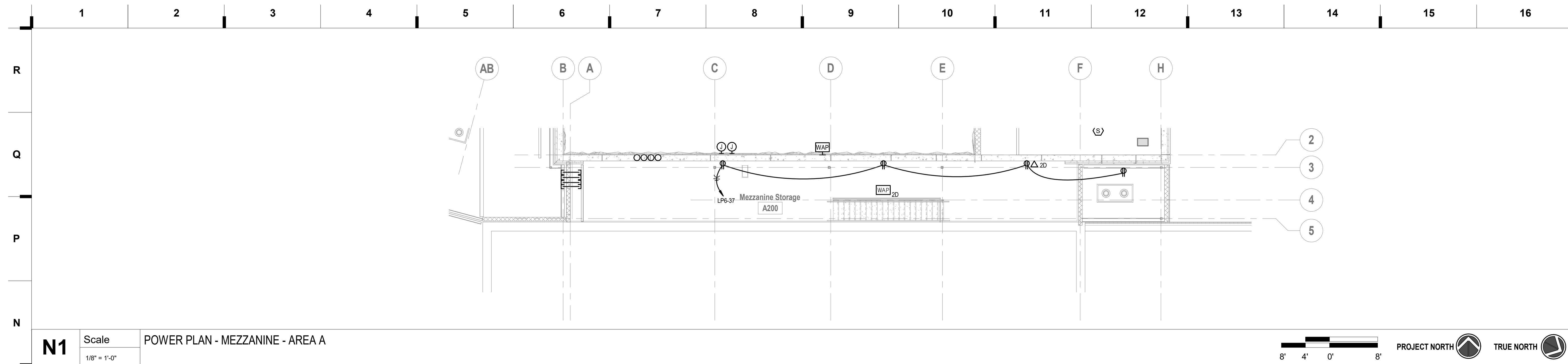


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**S302**

FRAMING SECTIONS





17

SHEET KEYNOTE LEGEND

GENERAL NOTES:

1. REFER TO E200 FOR GENERAL NOTES.

PLAN NOTES:

1 RECEPTACLE AND POWER FOR RETRACTABLE GOAL WINCH. CIRCUIT THROUGH GYM EQUIPMENT CONTACTOR PANEL. COORDINATE EXACT KEYED LIMIT SWITCH ON WALL EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.

2 RECEPTACLE AND POWER FOR RETRACTABLE ELECTRIC GOAL HEIGHT ADJUSTER. CIRCUIT THROUGH GYM EQUIPMENT CONTACTOR PANEL. COORDINATE KEYED LIMIT SWITCH ON WALL GYM EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.

3 KEYED LIMIT SWITCH FOR GYM EQUIPMENT MOTORS, COORDINATE WITH BASKETBALL SHOP DRAWINGS PRIOR TO INSTALLATION.

4 PROVIDE WIREGUARD OVER DEVICE.

5 DEVICE MOUNTED ABOVE TOP ROW OF BLEACHERS. COORDINATE WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

6 8" RECESSED TWO-WAY CEILING SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

7 WALL MOUNTED 5W TWO-WAY LOUD SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

8 WALL MOUNTED 5W ONE-WAY SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

9 PROVIDE INTERCOM PUSHBUTTON AND ALL CABLING BACK TO HEAD END UNIT AND SPEAKER FOR COMPLETE WORKING SYSTEM. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

10 ELECTRIC DOOR LOCK LOCATION, PROVIDE CONTROL CABLING PER SPECIFICATIONS, ROUTE BACK TO DOOR CONTROL HEAD END PANEL. COORDINATE EXACT REQUIREMENTS WITH OWNER AND ARCHITECT.

11 CARD READER MOUNTED IN MULLION AT 48" AFF, COORDINATE PATHWAY WITH DOOR HARDWARE PROVIDER.

12 CARD READER MOUNTED AT 48" AFF, COORDINATE PATHWAY WITH DOOR HARDWARE PROVIDER.

13 NOT USED.

14 DECK MOUNTED CEILING RECEPTACLE FOR PENDANT MOUNTED PROJECTOR IN GYM CEILING. COORDINATE EXACT LOCATION WITH AV DRAWINGS.

15 NOT USED.

16 POWER FOR PROJECTION SCREEN. COORDINATE LOCATION AND ALL REQUIREMENTS WITH PROVIDED PROJECTOR SCREEN. COORDINATE WITH AV DRAWINGS.

17 RETRACTABLE BLEACHER POWER. PROVIDE 30A-3P NF BULDER SAFETY SWITCH. CIRCUIT WITH (4) #10, #10G, 1/2". COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH BLEACHER SHOP DRAWINGS PRIOR TO ROUGH-IN

18 (4) 2" CONDUIT SLEEVES THRU THE WALL ABOVE THE CEILING FOR LOW VOLTAGE CABLING.

(4) 2" CONDUIT SLEEVES STUBBED IN CORRIDOR PLENUM SPACE AND ROUTED IN THE WALL STUBBED UP TIGHT TO GYM ROOF DECK FOR LOW VOLTAGE CABLING.

20 (1) 2" CONDUIT SLEEVE THRU THE WALL ABOVE THE CEILING FOR LOW VOLTAGE CABLING.

21 PROVIDE POWER AND LOW VOLTAGE ROUGH-IN FOR FUTURE SCORE BOARD. PROVIDE WITH (2) BACK BOXES AND (3) 1-1/2" CONDUITS STUBBED TIGHT TO DECK. COORDINATE PLACEMENT OF BOXES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

22 PROVIDE POWER AND LOW VOLTAGE FOR SCORE BOARD. PROVIDE WITH (2) BACK BOXES AND (3) 1-1/2" CONDUITS STUBBED TIGHT TO DECK. CONTINUE ONE CONDUIT BACK TO AV LOCATION FOR CONTROL OF SCOREBOARD. COORDINATE WITH AV PLANS. COORDINATE ROUGH-IN HEIGHT WITH ARCHITECTURAL ELEVATIONS AND SCOREBOARD SHOP DRAWINGS.

23 RECEPTACLE AND POWER FOR RETRACTABLE DIVIDER CURTAIN. CIRCUIT THROUGH GYM EQUIPMENT CONTACTOR PANEL. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH GYM EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.

24 POWER AND MULLION MOUNTED PUSH BUTTON CONTROL FOR MOTORIZED ACCESSIBLE DOOR. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH DOOR HARDWARE PROVIDER. PROVIDE 6-PAIR CABLE PER DISTRICT STANDARDS BACK TO ACCESS CONTROL CABINET FOR INTEGRATION WITH ACCESS CONTROLS.

25 8" RECESSED ONE-WAY CEILING SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.

26 GROUND BUS BAR CONNECTED TO SERVICE MAIN GROUND. REFER TO DETAILS.

27 (4) 4" CONDUIT SLEEVES THRU THE WALL INTO PLENUM SPACE OF CIRCULATION FOR LOW VOLTAGE CABLING.

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1828 Walnut Street Suite 922  
Kansas City, MO 64108  
1 816.442.7700

115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
1 720.949.1689

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Holla + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 0000501  
Structure # 200005333

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

**Smith & Boucher, Inc.**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC0000178  
25915 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

**MKEC Engineering, Inc.**  
Civil Engineer  
State Certificate of Authority #  
Engineering #2001005964  
Landscaping #2006027139  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.9390 phone

**Peerbolt Creative**  
Theatrical Consultant  
109 E Pine St.  
Warrensburg, MO 64693-0752  
660.420.1385 phone

**Avant Acoustics**  
AV/Acoustics Consultant  
14827 West 95th St.  
Lenexa, KS 66215  
913.888.9111 phone

South Valley Middle School Storm Shelter Addition  
Liberty School District  
1000 Midjay Dr, Liberty, MO 64068

CONSTRUCTION  
DOCUMENTS

REVISONS:

| # | Description | Date     |
|---|-------------|----------|
| 1 | ADDENDUM #1 | 09-14-23 |

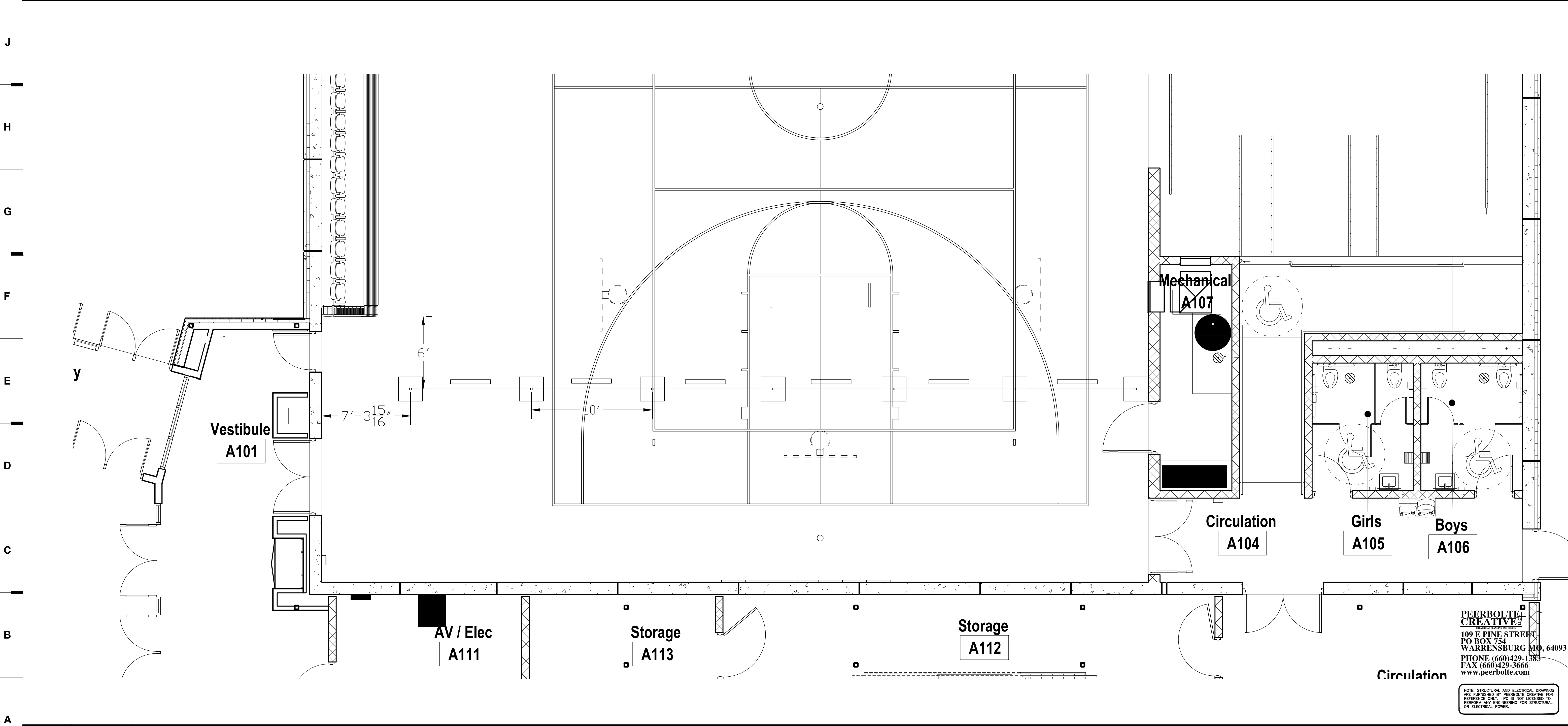
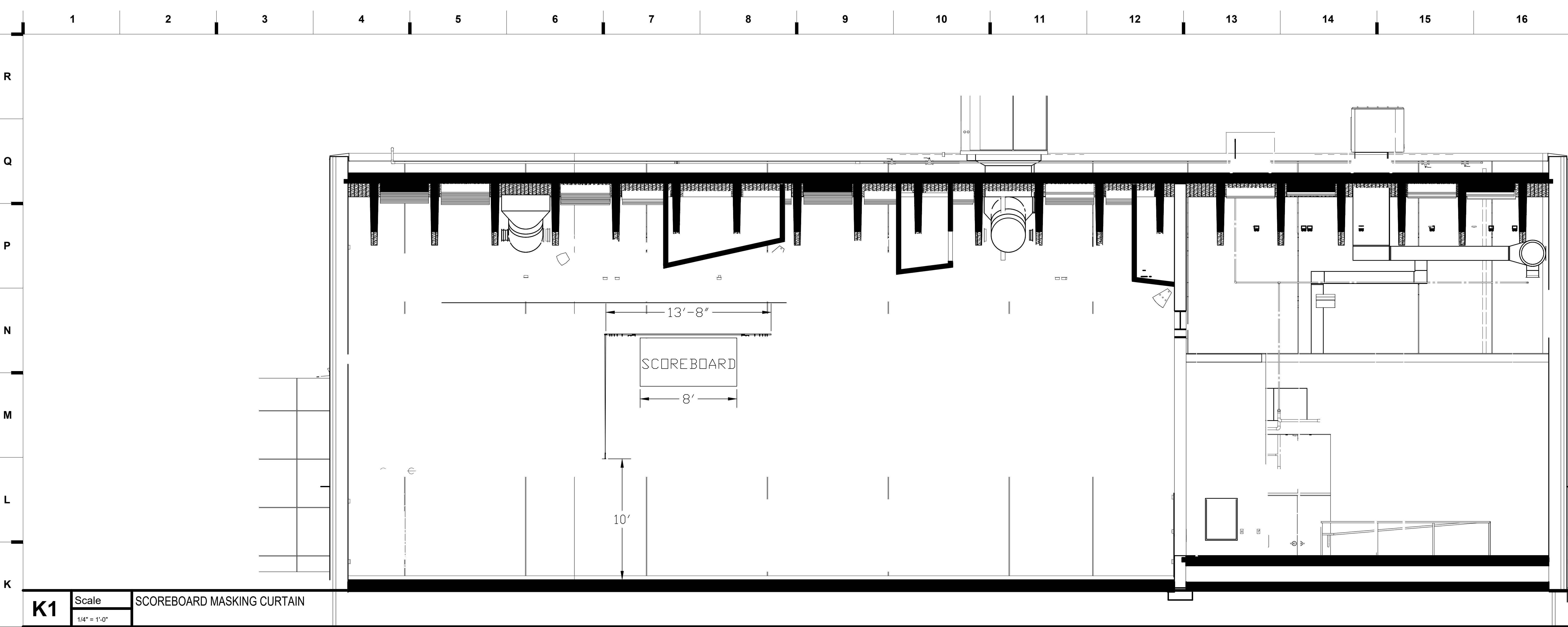
**smith & boucher**  
engineers  
25618 west 103rd st olathe, ks 66061  
phone 913.345.2127 fax 913.345.0617  
project number 2314703

KEY PLAN

JOB NO: 23019  
DRAWN BY: SBI  
CHECKED BY: RJJ  
DATE: 08.31.2023

E201A





## SHEET KEYNOTE LEGEND

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1828 Walnut Street Suite 922  
Kansas City, MO 64108  
T 816.442.7700  
115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
T 720.949.1689  
HOLLISANDMILLER.COM

Hollis + Miller Architects  
Missouri State Certificate of Authority  
Architectural # 000181

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

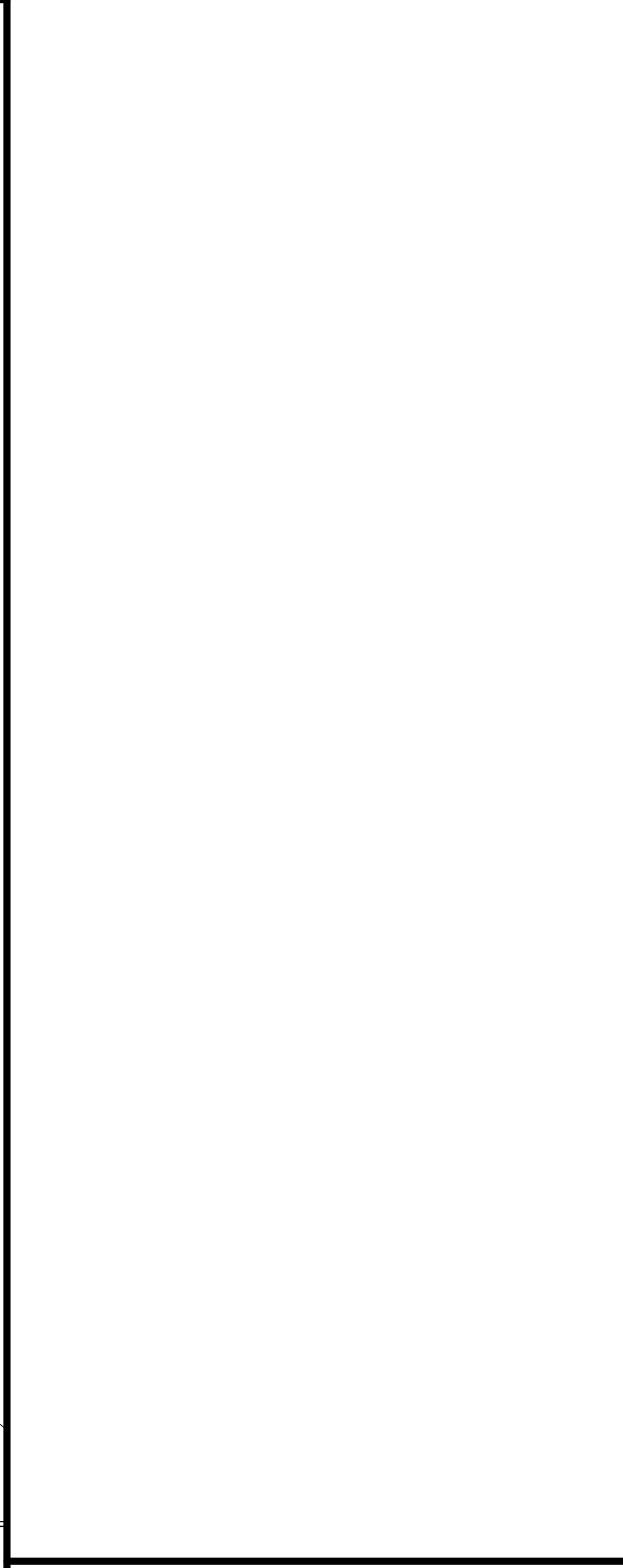
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Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC000178  
25619 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

**MKEC Engineering, Inc.**  
Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027138  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.8390 phone

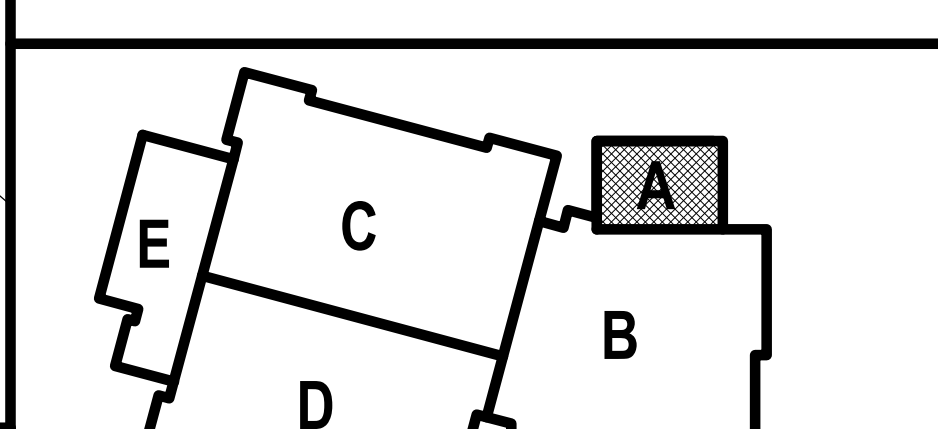
**Peerbolte Creative**  
Theatrical Consultant  
109 E Pine St.  
Warrensburg, MO 64093-0752  
866-429-1385 phone

**Avant Acoustics**  
AV/Acoustics Consultant  
14827 West 95th St.  
Lenexa, KS 66215  
913.888.9111 phone

**K1** Scale 1/4" = 1'-0"



## KEY PLAN



## PIPE AND DRAPE LAYOUT

PIPE AND DRAPE LAYOUT

hollis + miller architects®

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1828 Walnut Street Suite 922  
Kansas City, MO 64108  
T 816.442.7700  
115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
T 720.949.1689  
HOLLISANDMILLER.COM

Hollis + Miller Architects  
Missouri State Certificate of Authority  
Architectural # 000181

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

**Smith & Boucher, Inc.**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC000178  
25619 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

**MKEC Engineering, Inc.**  
Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027138  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.8390 phone

**Peerbolte Creative**  
Theatrical Consultant  
109 E Pine St.  
Warrensburg, MO 64093-0752  
866-429-1385 phone

**Avant Acoustics**  
AV/Acoustics Consultant  
14827 West 95th St.  
Lenexa, KS 66215  
913.888.9111 phone

**South Valley Middle School Storm Shelter Addition**  
Liberty Public Schools  
1000 Midjay Dr, Liberty, MO 64068

**CONSTRUCTION DOCUMENTS**

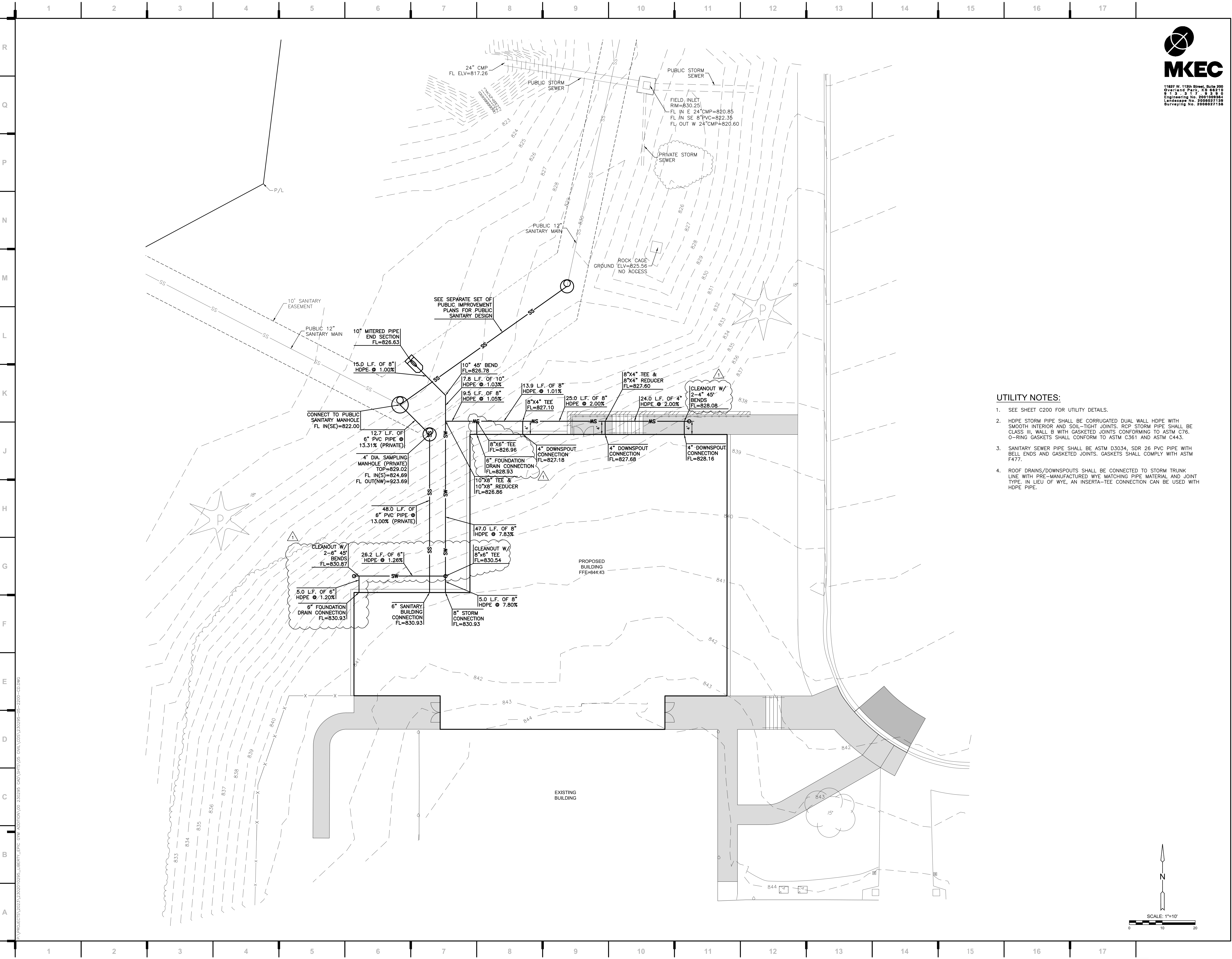
**REVISIONS:**

| # | Description | Date       |
|---|-------------|------------|
| 1 | Addendum 01 | 09/14/2023 |

JOB NO: 23019  
DRAWN BY: SCJ  
CHECKED BY: SCJ  
DATE: 08.31.2023

**TH102**





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1828 Walnut Street Suite 922  
Kansas City, MO 64108  
T 816.442.7700

115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
T 720.949.1689

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Hollis + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 000181  
Structure # 2006031333

**MKEC Engineering, Inc.**  
Civil Engineering / Landscape Architecture  
State Certificate of Authority #:  
Engineering: 2001009364  
Landscaping: 2006027139  
Surveying: 2006027138  
11827 W. 112th St. Ste 200  
Overland Park, KS 66210  
913.317.5395 phone

**Smith & Boucher Engineers**  
Mech/Elect/Plumb Engineer  
State Certificate of Authority #ECC-0001787  
25501 W. Valley Parkway, Ste 200  
Olathe, KS 66061  
913.345.2127 phone

**Bob D Campbell**  
Structural Engineer  
State Certificate of Authority #000442  
4338 Bellevue Ave  
Kansas City, MO 64111  
816.531.4144 phone

- UTILITY NOTES:**
- SEE SHEET C200 FOR UTILITY DETAILS.
  - HDPE STORM PIPE SHALL BE CORRUGATED DUAL WALL HDPE WITH SMOOTH INTERIOR AND SOIL-TIGHT JOINTS. RCP STORM PIPE SHALL BE CLASS III, WALL B WITH GASKETED JOINTS CONFORMING TO ASTM C76. O-RING GASKETS SHALL CONFORM TO ASTM C361 AND ASTM C443.
  - SANITARY SEWER PIPE SHALL BE ASTM D3034, SDR 26 PVC PIPE WITH BELL ENDS AND GASKETED JOINTS. GASKETS SHALL COMPLY WITH ASTM F477.
  - ROOF DRAINS/DOWNSPOUTS SHALL BE CONNECTED TO STORM TRUNK LINE WITH PRE-MANUFACTURED WYE MATCHING PIPE MATERIAL AND JOINT TYPE. IN LIEU OF WYE, AN INSERT-TEE CONNECTION CAN BE USED WITH HDPE PIPE.

**EPiC Elementary Addition**  
Liberty Public Schools  
650 Conistor St  
Liberty, MO 64068

| REVISIONS: |             |            |
|------------|-------------|------------|
| #          | Description | Date       |
| 1          | ADDENDUM 01 | 09/14/2023 |
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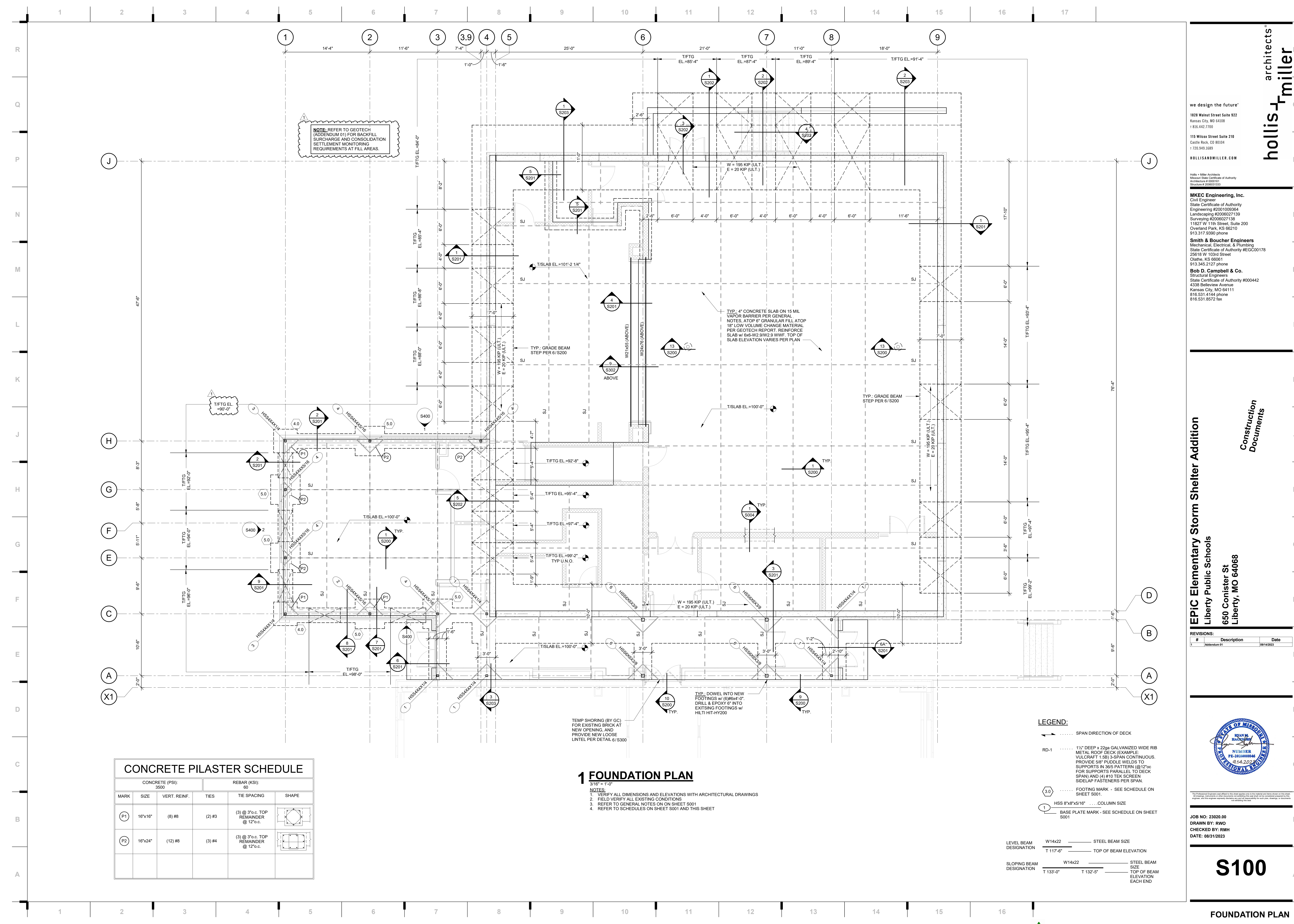


BRADEN L. TAYLOR, P.E.  
LISC. #2021001896

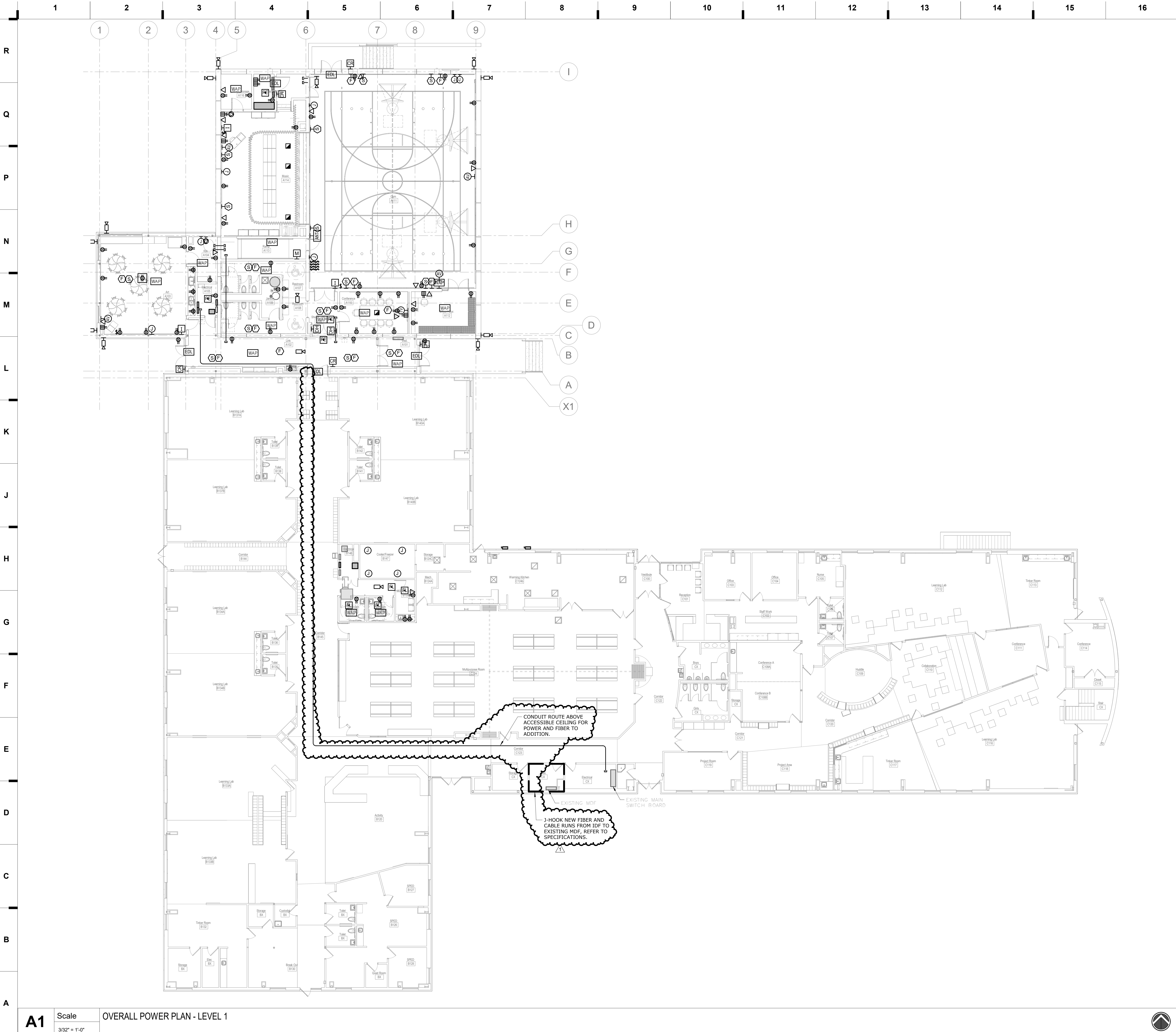
JOB NO: 23020.00  
DRAWN BY: SEK  
CHECKED BY: BLT  
DATE: 08.31.2023

**C103**









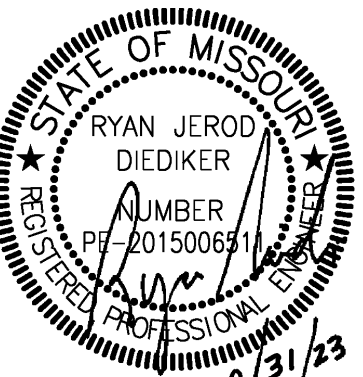
**A1** Scale OVERALL POWER PLAN - LEVEL 1  
3/32" = 1'-0"

**SHEET KEYNOTE LEGEND**

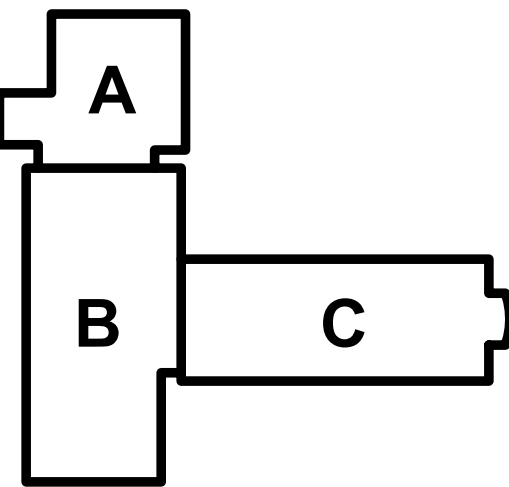
**GENERAL NOTES:**

1. PROVIDE (11)1/2" CONDUIT FROM ALL THERMOSTAT/TEMPERATURE SENSORS TO ASSOCIATED HVAC EQUIPMENT. REFER TO MECHANICAL PLANS FOR LOCATIONS.
2. REFER TO M/E AND PLUMBING SCHEDULES AND DETAILS FOR MECHANICAL EQUIPMENT CIRCUITING INFORMATION AND ADDITIONAL INFORMATION.
3. PROVIDE A DUCT MOUNTED SMOKE DETECTOR AT EACH FIRE/SMOKE DAMPER LOCATION. PROVIDE ALL ASSOCIATED TRANSFORMERS, MODULES AND CONNECTIONS REQUIRED FOR CORRECT OPERATION. VERIFY LOCATIONS AND QUANTITIES REQUIRED WITH HVAC FLOOR PLANS.
4. EXTEND (1)1/2" CONDUIT WITH PULLSTRING FROM EACH PHONE OR DATA OUTLET SHOWN ON THIS SHEET UP TO ABOVE NEAREST ACCESSIBLE CEILING UNLESS NOTED OTHERWISE.
5. MOUNTING HEIGHTS NOTED ON PLANS ARE MEASURE TO THE CENTER OF THE JUNCTION/OUTLET BOX.
6. 120V 15A AND 20A BRANCH CIRCUITING SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE. GROUND CONDUCTORS AND RACEWAYS SHALL BE INCREASED AS REQUIRED.  
  
0-100' = #12AWG  
101-150' = #10AWG  
151-250' = #8AWG
7. PATCH AND REPAIR ALL OPENINGS CREATED THAT PENETRATE FIRE RATED WALLS, FLOORS AND CEILINGS USING UL APPROVED METHODS AND MATERIALS CONSISTENT WITH THE RATING OF THE SURFACE PENETRATED.
8. WHERE ANY DEVICE JUNCTION BOXES ARE RECESSED IN OPPOSITE SIDES OF A FIRE RATED WALL AND ARE WITHIN 24" OF EACH OTHER MEASURED HORIZONTALLY, FURNISH AND INSTALL AN INTUMESCENT MOLDABLE FIRE STOP PUTTY PAD AROUND EACH JUNCTION BOX.
9. IN EXISTING PORTIONS OF BUILDING WHERE EXISTING CMU/CONCRETE WALLS OR STRUCTURE WILL BE EXPOSED, PROVIDE SURFACE RACEWAY AS REQUIRED FOR PATHWAY FROM DEVICES TO NEAREST ACCESSIBLE CEILING, OR BETWEEN DEVICES.  
  
RECEPTACLES - WIREMOLD 500 SERIES  
THERMOSTATS - WIREMOLD 500 SERIES  
FIRE ALARM - WIREMOLD 500 SERIES  
SECURITY DEVICES - WIREMOLD 500 SERIES  
TELECOM DEVICES - WIREMOLD 2000 SERIES
10. PROVIDE POWER TO ALL FIRE/SMOKE DAMPERS. PROVIDE A DUCT MOUNTED SMOKE DETECTOR AT EACH LOCATION. PROVIDE ALL NECESSARY RELAYS AND RELAYS AND CONNECTION REQUIRED FOR A FULLY WORKING SYSTEM. VERIFY LOCATIONS AND QUALITY REQUIRED WITH HVAC PLANS.
11. FURNISH AND INSTALL DUCT MOUNTED SMOKE DETECTORS AT EACH RTU RETURN AIR INLET AND FPVAV TERMINAL 2000 CFM AND ABOVE. PROVIDE ALL ASSOCIATED TRANSFORMERS, MODULES AND CONNECTIONS REQUIRED FOR CORRECT OPERATION. VERIFY LOCATIONS AND QUANTITIES WITH HVAC FLOOR PLANS AND EQUIPMENT SCHEDULES.
12. ALL RECEPTACLES WITH 'USB' TAG SHOWN ON PLANS TO BE A DUPLEX RECEPTACLE WITH (1) USB-A AND (1) USB-C TYPE PORTS. USB PORTS TO BE RATED AT MINIMUM OF 5A AT 5VDC.
13. LABEL ALL RECEPTACLES WITH CIRCUIT NUMBER ON DEVICE COVER PLATE.  
  
**TELECOMMUNICATIONS GENERAL NOTES:**  
1. ALL CONDUIT SHALL BE INSTALLED WITH NYLON PULL STRING.  
2. PROVIDE NYLON BUSHING FOR ALL TELECOMMUNICATIONS CONDUIT AND SLEEVES.  
3. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR FULLY COORDINATING CONDUIT, SLEEVE, ETC. ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION.  
4. LABEL TERMINATIONS PER SPECIFICATIONS, AND ADDITIONALLY WITHIN 6" OF ENTERING TELECOMMUNICATIONS ROOMS.  
5. SEAL ALL PENETRATIONS MADE FOR TELECOMMUNICATIONS CABLING AND INFRASTRUCTURE USING APPROPRIATE METHOD AND MATERIAL TO MAINTAIN FIRE RATING OF PENETRATED STRUCTURE.

**smith & boucher**  
engineers  
25616 west 103rd St. Olathe, KS 66061  
phone 913.345.2127 fax 913.345.0817  
project number 2314704



**KEY PLAN**



JOB NO: 23020.00  
DRAWN BY: SBI  
CHECKED BY: RJD  
DATE: 08/31/2023

**E201**

**EpIC Elementary Storm Shelter Addition**

**Liberty Public Schools**  
**650 Conister St**  
**Liberty, MO 64068**

| REVISIONS: |             |          |
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| #          | Description | Date     |
| 1          | ADDENDUM #1 | 09-14-23 |

**Construction Documents**

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Kansas City, MO 64108  
1.816.442.7700

115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
1.720.949.1689

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Architecture # 00001081  
Structural # 200601333

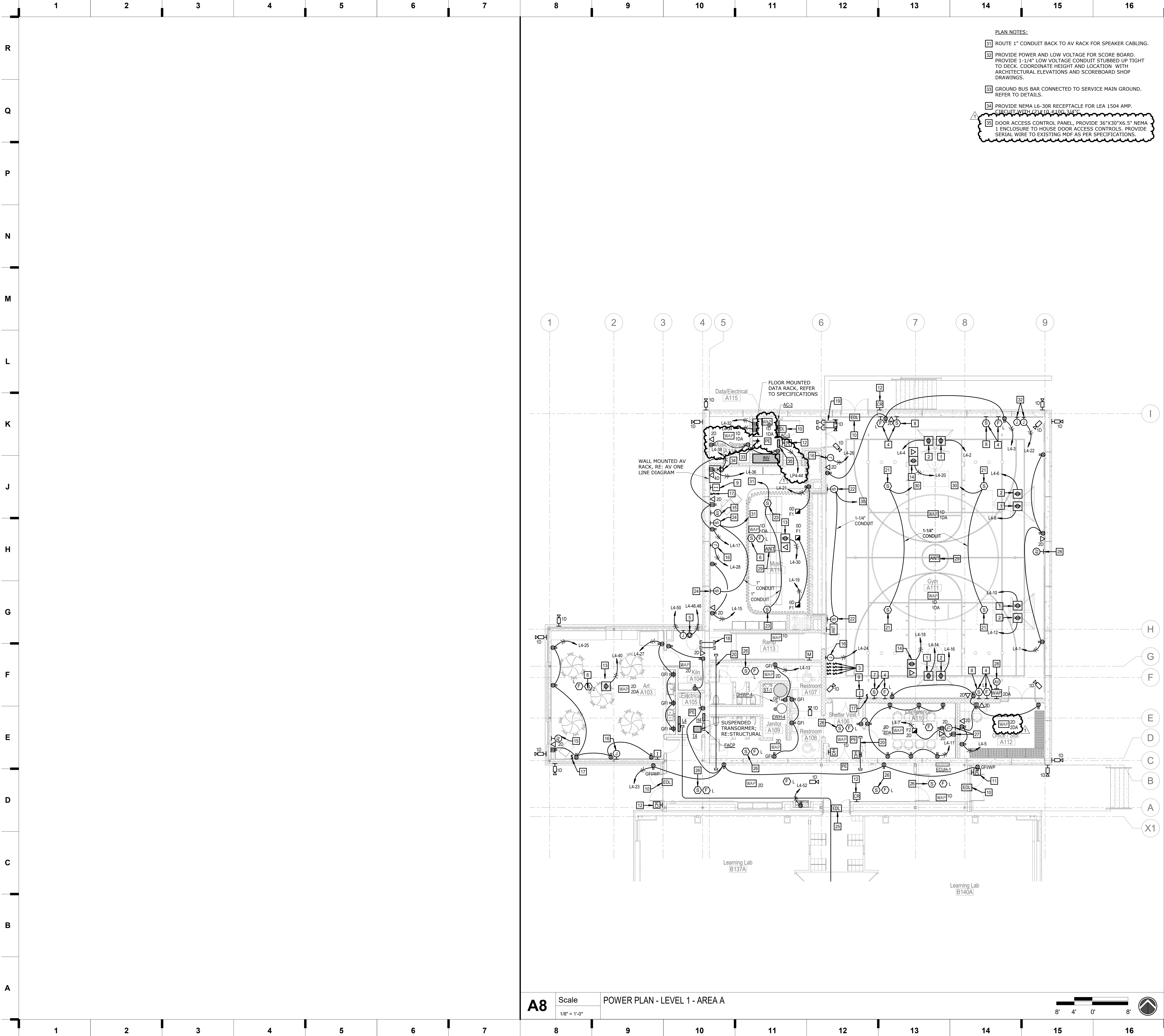
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Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027139  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.5590 phone

**Smith & Boucher Engineers**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC00178  
25616 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

**Bob D. Campbell & Co.**  
Structural Engineers  
State Certificate of Authority #000442  
4338 Bellevue Avenue  
Kansas City, MO 64111  
816.531.4144 phone  
816.531.8572 fax



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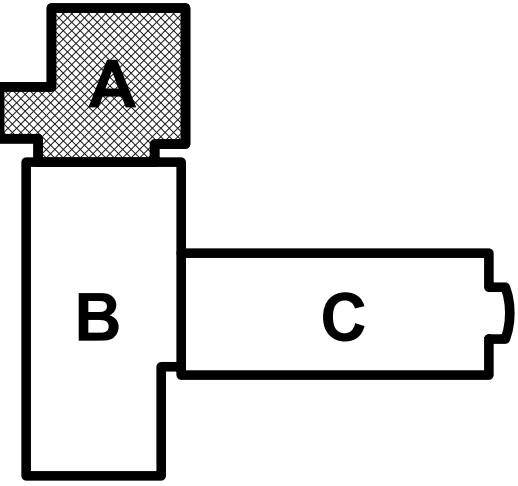
- PLAN NOTES:
- 31 ROUTE 1" CONDUIT BACK TO AV RACK FOR SPEAKER CABLING.
  - 32 PROVIDE POWER AND LOW VOLTAGE FOR SCORE BOARD. PROVIDE 1-1/4" LOW VOLTAGE CONDUIT STUBBED UP TIGHT TO DECK. COORDINATE HEIGHT AND LOCATION WITH ARCHITECTURAL ELEVATIONS AND SCOREBOARD SHOP DRAWINGS.
  - 33 GROUND BUS BAR CONNECTED TO SERVICE MAIN GROUND. REFER TO DETAILS.
  - 34 PROVIDE NEMA L6-30R RECEPTACLE FOR LEA 1504 AMP. CIRCUIT WITH (3) #6, #10G, 3/4"C.
  - 35 DOOR ACCESS CONTROL PANEL, PROVIDE 36"x30"x6.5" NEMA 1 ENCLOSURE TO HOUSE DOOR ACCESS CONTROLS. PROVIDE SERIAL WIRE TO EXISTING MDF AS PER SPECIFICATIONS.

SHEET KEYNOTE LEGEND

- GENERAL NOTES:
- REFER TO E201 FOR GENERAL NOTES.
- PLAN NOTES:
- RECEPTACLE AND POWER FOR RETRACTABLE GOAL WINCH. CIRCUIT THROUGH KEYED LIMIT SWITCH ON WALL. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH GYM EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.
  - RECEPTACLE AND POWER FOR RETRACTABLE ELECTRIC GOAL HEIGHT ADJUSTER. CIRCUIT THROUGH KEYED LIMIT SWITCH ON WALL. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH GYM EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLATION.
  - KEYED LIMIT SWITCH FOR BASKETBALL GOAL MOTORS. COORDINATE WITH BASKETBALL SHOP DRAWINGS PRIOR TO INSTALLATION.
  - PROVIDE WIREGUARD OVER DEVICE.
  - KILN POWER; PROVIDE 1PH 50A 208V NEMA 6-50 RECEPTACLE, CIRCUIT WITH (3) #6, #10G, 3/4"C.
  - 8" RECESSED TWO-WAY CEILING SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.
  - WALL MOUNTED 5W TWO-WAY LOUD SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.
  - WALL MOUNTED 5W ONE-WAY SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.
  - PROVIDE INTERCOM PUSHBUTTON AND ALL CABLING BACK TO HEAD END UNIT AND SPEAKER FOR COMPLETE WORKING SYSTEM. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
  - ELECTRIC DOOR LOCK LOCATION. PROVIDE CONTROL CABLING PER SPECIFICATIONS. ROUTE BACK TO DOOR CONTROL HEAD END PANEL. COORDINATE EXACT REQUIREMENTS WITH OWNER AND ARCHITECT.
  - CARD READER MOUNTED IN MULLION AT 48" AFF. COORDINATE PATHWAY WITH DOOR HARDWARE PROVIDER.
  - CARD READER MOUNTED AT 48" AFF. COORDINATE PATHWAY WITH DOOR HARDWARE PROVIDER.
  - FLUSH MOUNT CEILING RECEPTACLE FOR PROJECTOR. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE 10FT EXCESS MC CABLING COILED IN CEILING TO ALLOW RELOCATING RECEPTACLE WITHIN 8 FT RADIUS FROM CENTER OF ROOM.
  - DECK MOUNTED CEILING RECEPTACLE FOR PENDANT MOUNTED PROJECTOR IN GYM CEILING. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
  - AV STATION AT TEACHER'S DESK/CABINET. REFER TO AV ONE LINE DIAGRAM. REFER TO DETAILS AND SCHEDULES.
  - POWER FOR PROECTION SCREEN. COORDINATE LOCATION AND ALL REQUIREMENTS WITH PROVIDED PROJECTOR SCREEN.
  - PROJECT SCREEN SWITCH. COORDINATE LOCATION WITH OWNER, AND ALL REQUIREMENTS WITH PROVIDED PROJECTOR SCREEN.
  - (2) 2" CONDUIT SLEEVES THRU THE WALL ABOVE THE CEILING FOR LOW VOLTAGE CABLING.
  - (2) 2" CONDUIT SLEEVES STUBBED IN IT CLOSET AND ROUTED IN THE WALL STUBBED UP TIGHT TO GYM ROOF DECK FOR LOW VOLTAGE CABLING.
  - (1) 2" CONDUIT SLEEVE THRU THE WALL ABOVE THE CEILING FOR LOW VOLTAGE CABLING.
  - LOUD SPEAKER SUSPENDED FROM DECK AND AIMED DOWN TO FLOOR AREA. REFER TO AV ONE-LINE DIAGRAM FOR DETAILS AND CABLING. ROUTE CONDUIT BACK TO AV RACK FOR SPEAKER CABLING.
  - LOUD SPEAKER MOUNTED HORIZONTALLY ON WALL HUNG FROM CEILING ABOVE AND AIMED TOWARDS AUDIENCE. REFER TO AV ONE-LINE DIAGRAM FOR DETAILS AND CABLING. ROUTE CONDUIT BACK TO AV RACK FOR SPEAKER CABLING.
  - STAGE MONITOR SURFACE MOUNTED TO CEILING WITH ADJUSTABLE BRACKET. SUPPORT STRUCTURALLY FROM CEILING DECK. REFER TO AV ONE-LINE DIAGRAM FOR DETAILS AND CABLING. ROUTE CONDUIT BACK TO AV RACK FOR SPEAKER CABLING.
  - STAGE MONITOR WALL MOUNTED WITH ADJUSTABLE BRACKET. REFER TO AV ONE-LINE DIAGRAM FOR DETAILS AND CABLING. ROUTE CONDUIT BACK TO AV RACK FOR SPEAKER CABLING.
  - REUSE SALVAGED DOOR ACCESS CONTROLS AND CONTROL CABLING FOR RECONNECTION TO NEW DOORS. COORDINATE WITH DISTRICT STANDARDS AND DOOR HARDWARE PROVIDER.
  - 8" RECESSED ONE-WAY CEILING SPEAKER FOR INTERCOM/PUBLIC ADDRESS SYSTEM. ROUTE CABLING BACK TO MAIN HEAD END AND COORDINATE WITH EXISTING SYSTEM.
  - POWER AND DATA FOR TV. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT AND LOCATION. PROVIDE 1-1/4" CONDUIT DOWN TO FLOOR BOX FOR HDMI CABLING.
  - HDMI AND BLUE TOOTH WALL INPUT. REFER TO A/V ONE-LINE DIAGRAM, PROVIDE ALL COMPONENTS NECESSARY FOR HDMI AND AUDIO REQUIREMENTS, ROUTE CONDUIT TO EACH DEVICE. COORDINATE CONDUIT WITH AV SHOP DRAWINGS.
  - WIRELESS MIC ANTENNA. REFER TO AV ONE-LINE DIAGRAM FOR MORE INFORMATION. ROUTE 3/4" CONDUIT BACK TO AV RACK.
  - ROUTE 1-1/2" CONDUIT BACK TO AV RACK FOR SPEAKER CABLING.

smith & boucher  
engineers  
25618 west 103rd st olathe, ks 66061  
phone 913.345.2127 fax 913.345.0617  
project number 2314704

KEY PLAN



we design the future<sup>®</sup>  
1828 Walnut Street Suite 922  
Kansas City, MO 64108  
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115 Wilcox Street Suite 210  
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1.720.949.1689  
HOLLISANDMILLER.COM

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Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027139  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.5590 phone

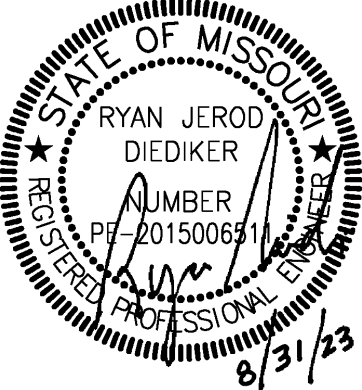
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Olathe, KS 66061  
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Bob D. Campbell & Co.  
Structural Engineers  
State Certificate of Authority #000442  
4338 Bellevue Avenue  
Kansas City, MO 64111  
816.531.4144 phone  
816.531.8572 fax

EPiC Elementary Storm Shelter Addition

Liberty Public Schools  
650 Conister St  
Liberty, MO 64068

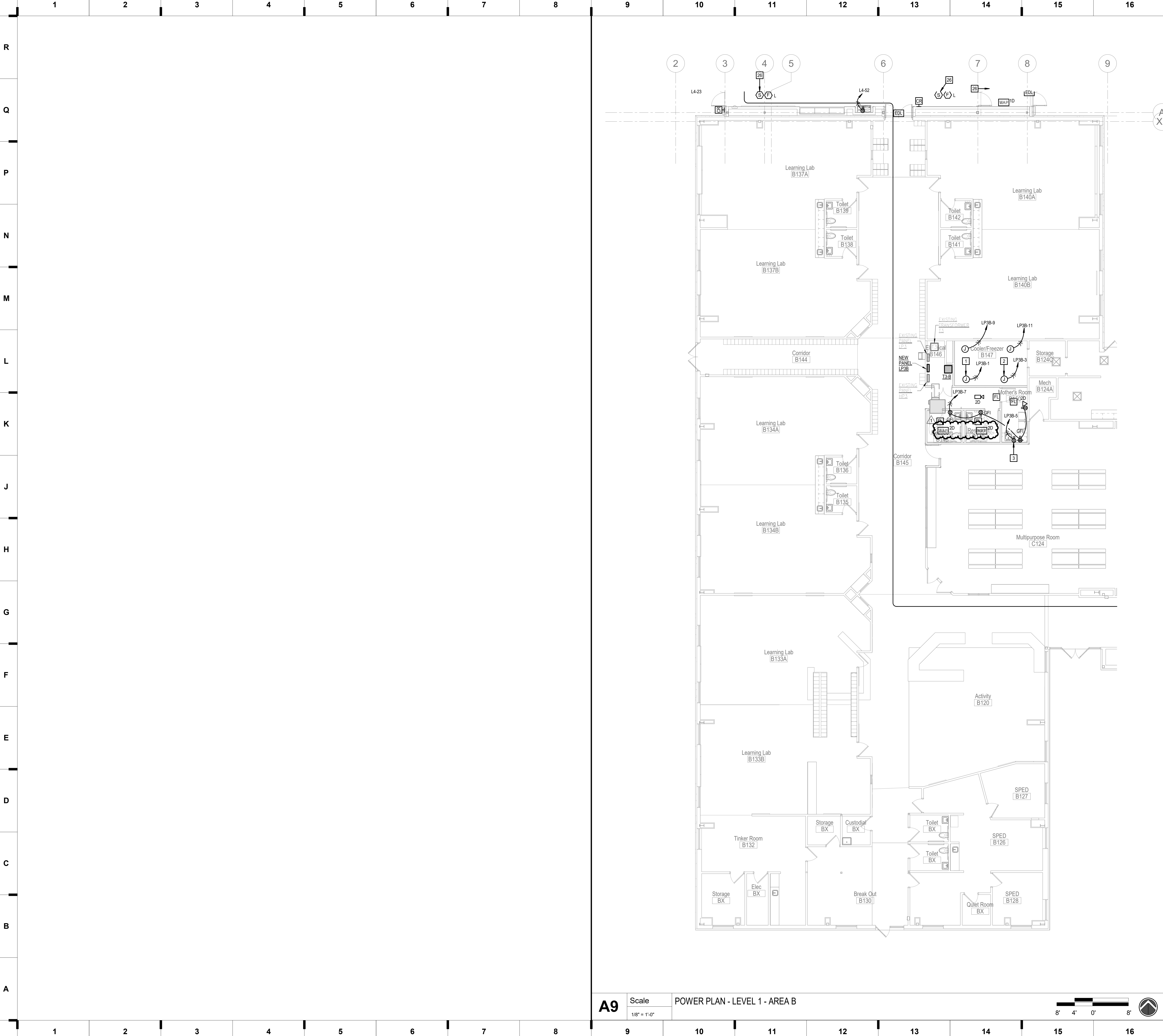
| REVISIONS: |             |          |
|------------|-------------|----------|
| #          | Description | Date     |
| 1          | ADDENDUM #1 | 09-14-23 |



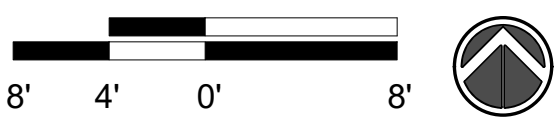
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DATE: 08/31/2023

E201A





**A9** Scale  
1/8" = 1'-0"  
POWER PLAN - LEVEL 1 - AREA B



**SHEET KEYNOTE LEGEND**

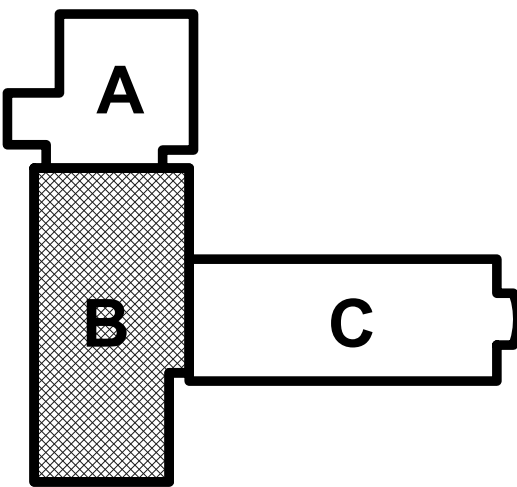
**GENERAL NOTES:**  
REFER TO E200 FOR GENERAL NOTES.

**PLAN NOTES**

- 1** ELECTRICAL CONNECTION TO WALK-IN FREEZER ACCESSORIES, COORDINATE WITH FOOD SERVICE PLANS.
- 2** ELECTRICAL CONNECTION TO WALK-IN COOLER ACCESSORIES, COORDINATE WITH FOOD SERVICE PLANS.
- 3** RECEPTACLE MOUNTED IN CASE WORK FOR UNDER COUNTER FRIDGE, COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.

**smith & boucher**  
engineers  
25618 west 103rd St. olathe, ks 66061  
phone 913.345.2127 fax 913.345.0817  
project number 2314704

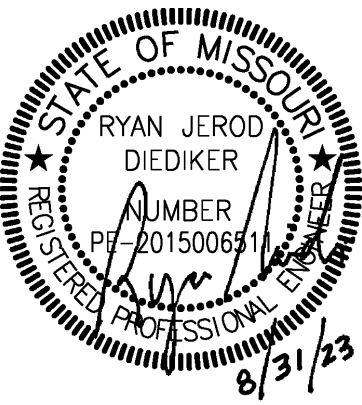
**KEY PLAN**



**EPiC Elementary Storm Shelter Addition**

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1828 Walnut Street Suite 922  
Kansas City, MO 64108  
t 816.442.7700  
115 Wilcox Street Suite 210  
Castle Rock, CO 80104  
t 720.949.1689  
HOLLISANDMILLER.COM

Holls + Miller Architects  
Missouri State Certificate of Authority  
Architecture # 00001001  
Structure # 2006011333

**MKEC Engineering, Inc.**  
Civil Engineer  
State Certificate of Authority  
Engineering #2001009364  
Landscaping #2006027139  
Surveying #2006027138  
11827 W 112th Street, Suite 200  
Overland Park, KS 66210  
913.317.5590 phone

**Smith & Boucher Engineers**  
Mechanical, Electrical, & Plumbing  
State Certificate of Authority #EGC00176  
25618 W 103rd Street  
Olathe, KS 66061  
913.345.2127 phone

**Bob D. Campbell & Co.**  
Structural Engineers  
State Certificate of Authority #000442  
4338 Bellevue Avenue  
Kansas City, MO 64111  
816.531.4144 phone  
816.531.8572 fax