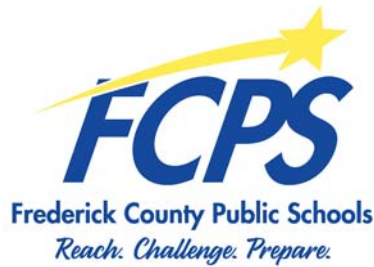


Purchasing Office
191 South East Street
Frederick, Maryland 21701
301-644-5208 phone
301-644-5213 fax



Stephen P. Starmer, C.P.M., CSBA,
Purchasing Manager
Kim Miskell, Assistant Purchasing Manager
Billie Laughland, Buyer Specialist
Bill Meekins, CPPB, CPCP, Buyer Specialist

ADDENDUM

January 9, 2017

ADDENDUM # 2

Bid 17C8, Butterfly Ridge Elementary School – New School Construction
REVISED DUE DATE: January 26, 2017

Bids for Bid Group Package 1: 2A Site Package including Geothermal Well Drilling; 3A Concrete; 4A Masonry; 5A Structural Steel; 6A General Carpentry; 7A Roofing and 8A Storefront and Windows will be received and time stamped in the main lobby of Frederick County Public Schools (FCPS) at 191 South East Street, Frederick, MD 21701, prior to and time stamped no later than **9:00 a.m. local time, January 26, 2017**. Bids received after this time will be returned unopened. All bids will be opened and read aloud **in the Central Office Board Room**.

Bids for Bid Group Package 2: 9A Drywall and Acoustical; 9B Ceramic Wall and Floor Tile; 9C Wood Flooring; 9D Resilient Flooring; 9E Painting; 11A Kitchen Equipment; 11B Gym Equipment; 15A Mechanical (Plumbing, HVAC and Sprinkler) and 16A Electrical including Low Voltage will be received and time stamped in the main lobby of Frederick County Public Schools (FCPS) at 191 South East Street, Frederick, MD 21701, prior to and time stamped no later than **2:00 p.m. local time, January 26, 2017**. Bids received after this time will be returned unopened. All bids will be opened and read aloud **in the Conference Room 5A**.

This addendum is being issued to provide additions, corrections, clarifications and answers to certain questions raised referencing the original bid packages and any resultant contracts for the above bid.

1. Please note the revised bid due date is **January 26, 2017**.
2. **Delete Pages 252 – 259, Non-Prevailing Wage Form of Proposal**. FCPS will only be requesting Wage Scale bids. **Please submit only the Prevailing Wage Form of Proposal (Pages 244 – 251)**.
3. This Addendum includes the following attachments:
 - a. Lend Lease (US) Construction, Inc. - Addendum No. 2 (7 pages)
 - b. Grimm and Parker - Addendum No. 2 (40 pages)

Thank you for your interest in bidding with Frederick County Public Schools and we apologize for any inconvenience this may have caused.

Sincerely,

Kim Miskell

Kim Miskell
Assistant Purchasing Manager

KM/ab

pc: Bradley Ahalt, Senior Project Manager
Jeffrey Henderson and Dave Macklin, Lend Lease
Don Porter, Grimm and Parker



LENDLEASE ADDENDUM NUMBER TWO

January 9th, 2017

BUTTERFLY RIDGE ELEMENTARY – NEW SCHOOL CONSTRUCTION

FREDERICK COUNTY PUBLIC SCHOOLS

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents dated December 1st, 2016. This Addendum is generally separated into sections for convenience; however, Bidders shall be responsible for the entire Addendum. When any paragraph, subparagraph, or sub-subparagraph thereof is modified or deleted by this Addendum, the unaltered provisions of that paragraph, subparagraph, or sub-subparagraph shall remain in effect.

This Addendum consists of one (1) written page and Attachment A – six (6) pages.

CHANGES TO THE SPECIFICATIONS

1. **Section 00 24 13 – Specification Cross Reference**
 - a. Page 61, Package 7A – Roofing, Add Specification Section 10 73 15 – STANDING SEAM MONOLITHIC POLYCARBONATE LOW SLOPE CANOPY.
2. **Section 00 24 16 – Contract Package 2A**
 - a. Page 67, delete reference to “retaining walls” in general description.
 - b. Page 75, item 2.46, delete reference to “retaining walls”
 - c. Page 77, item 2.66, delete two separate references to “retaining walls”
 - d. Page 78, item 2.77, delete item in its entirety
 - e. Page 78, item 2.78, delete item in its entirety
3. **Section 00 24 16 – Contract Package 3A**
 - a. Page 89, item 2.29, delete reference to “retaining walls”
4. **Section 00 24 16 – Contract Package 4A**
 - a. Page 101, item 2.42, delete two separate references to “retaining walls”
5. **Section 00 24 16 – Contract Package 5A**
 - a. Page 113, item 2.38, delete reference to “retaining walls”
6. **Section 00 24 16 – Contract Package 7A**
 - a. Add the following item:
 - 2.22 - 7A Contractor shall furnish and install the standing seam monolithic polycarbonate low slope canopy where indicated in the documents.

Attachments:

Attachment A dated 01/09/2017 – Prebid RFI Responses (6 pages)

END LENDLEASE ADDENDUM 01

**Butterfly Ridge Elementary****Project # 208786****Lendlease (US) Construction Inc.**601 Contender Way
Frederick, MD 21703

Tel: Fax:

RFI Number	Subject	Author Company	Answer Company	Date Created	Date Required	Date Answered	Days Late
Question			Answer				
.PB001	Pavement Details	Lend Lease	Grimm + Parker	12/20/16	01/09/17	01/09/17	0
	Proposed Legend (sheet C-0) calls for ROW asphalt. See detail ST-7.0, Sheet C-3L. Detail ST-7.0 calls out Pavement-1, 2, or 3. Which pavement detail should be used for Butterfly Lane, Contender Way, and McCain Drive.			[1/9/2017 Grimm + Parker - Don Porter] Provide Pavement Section 2 within the City Right-of-Way.			
.PB002	Pavement at McCain Drive	Lend Lease	Grimm + Parker	12/20/16	01/09/17	01/09/17	0
	Pleasants - Existing Conditions plan sheet C-1 call for the removal of the island (only) on existing McCain Drive. Plan sheet C-3 calls for ST-7.0 (new pavement) within the limits of disturbance on McCain Drive. Please clarify if this area receives new pavement or just the reconfiguration of existing at the island as shown on C-1.			[1/9/2017 Grimm + Parker - Don Porter] This area requires new curb and gutter, as well as new pavement, as shown on Sheet C-3A.			
.PB004	Pavement Surface Clarification	Lend Lease	Grimm + Parker	12/20/16	01/09/17	01/09/17	0
	Pleasants - Section 32-12-16 Part 2.1.H states to use 9.5mm surface for HD and LD pavement. Detail on sheet C-3D states to use 4.75mm surface for LD pavement. Please clarify which surface mix to use for LD pavement in both parking areas and play areas.			[1/9/2017 Grimm + Parker - Don Porter] Provide 4.75mm surface on light-duty pavement play areas. Provide 9.5mm surface on light-duty pavement in parking areas.			
.PB005	Pavement Base Course Clarification	Lend Lease	Grimm + Parker	12/20/16	01/09/17	01/09/17	0
	Pleasants - Section 32-12-16 Part 2.1.C states to use 19.0mm surface for HD and LD pavement. Detail on sheet C-3D states to use 12.5mm surface for LD pavement. Please clarify which base mix to use for LD pavement in both parking areas and play areas.			[1/9/2017 Grimm + Parker - Don Porter] Provide 12.5mm base per the details on the drawings.			
.PB007	Thru-wall Flashing Responsibility	Lend Lease	Lend Lease	12/20/16	01/09/17	01/09/17	0
	Heidler Roofing - Please clarify which division is responsible for the thru-wall flashing? It is my understanding that division 7 would be responsible for supplying this to division 4 "above" the roof.			Contract Package 7A is to provide the thru-wall flashing above the roof line for installation by Contract Package 4A.			
.PB008	Flashing Responsibility	Lend Lease	Lend Lease	12/20/16	01/09/17	01/09/17	0
	Heidler Roofing - Is division 7 also responsible for supplying the flashing for division 4 at the foundation (detail A-10, DWG A-5.4) and at all lintels (H-13 & C-16, DWG A-5.4)?			Contract Package 4A is responsible to supply and install all thru-wall flashing below the roof line.			
.PB010	Sone Dust Fill	Lend Lease	Lend Lease	12/22/16	01/09/17	01/09/17	0
	Kinsley - Page 72 Section 2.2 implies that Stone Dust might be required under the building, and to 10 feet beyond the footprint. The costs for dust is to be included in the Base Bid but the specs do not indicate when and if this material is required. Maybe this item should be a contingent item rather than part of the base bid.			Provide as indicated.			
.PB011	Site Retaining Walls	Lend Lease	Lend Lease	12/22/16	01/09/17	01/09/17	0
	Kinsley - In Division 0, site Retaining Walls are referenced numerous times but I do not see any on the plans. Please verify whether or not there are any, and if so, where?			References to site retaining walls within the package description may be disregarded. There are no site retaining walls in this project.			
.PB012	Stockpile to Remove	Lend Lease	Grimm + Parker	12/22/16	01/09/17	01/09/17	0
	Kinsley - It appears that with the new storm drain alignment along Contender Way, revised in Addendum 1, now misses the existing stockpile located at the south end of the project. Does the stockpile still need to be removed?			[1/6/2017 Grimm + Parker - Don Porter] Please clarify what existing stockpile is referenced. No existing stockpiles are noted on this project.			



RFI Log

RFI Number	Subject	Author Company	Answer Company	Date Created	Date Required	Date Answered	Days Late
Question			Answer				
.PB013	Existing Sediment Trap	Lend Lease	Lend Lease	12/23/16	01/09/17	01/09/17	0
Kinsley - Section 2.77 on page 78 says to remove an existing sediment trap. Where is this trap located? There appears to be no traps located within the project's L.O.D.s.		Item 2.77 of Contract Package 2A will be deleted by Addendum.					
.PB014	Handling Topsoil	Lend Lease	Lend Lease	12/22/16	01/09/17	01/09/17	0
Kinsley - Section 2.78 instructs the Contractor to transport any excess topsoil to a location of the Owner's choice or remove it from site at the Contractor's expense. This represents a substantial possible cost to the Contractor, depending on which option is used. If left "on site", please give some indication of a haul distance for pricing purposes. If disposed of off-site, this should be handled as an unit-price extra in order to protect the Owner and ensure a balanced bid.		The term "on site" is used to describe the project location and address. Disposal off-site, if necessary, will be at the contractor's expense.					
.PB015	Roof Drains - Building B	Lend Lease	Grimm + Parker	12/28/16	01/09/17	01/09/17	0
Heidler Roofing - On the east side of building B, there is discrepancy with regards to the roof drains between DWG M-2.9 and P-2.9. P shows 3 drains with crickets and M does not. Also, DWG A-1.9 does not show drains or crickets.		[1/9/2017 Grimm + Parker - Don Porter] Drawing A-1.9 is correct. Plumbing drawings will be revised to delete these drains.					
.PB016	Translucent Canopy Responsibility	Lend Lease	Lend Lease	12/28/16	01/09/17	01/09/17	0
Heidler Roofing - Please confirm that Division 5A is responsible for the translucent canopy in its entirety at the front entrance.		[1/9/2017 Lendlease (US) Construction Inc. - Dave Macklin LEED AP] Contract Package 7A will be responsible for the translucent canopy. The 5A package will be responsible for all structural steel and misc. metals details.					
.PB017	Metal vs Composite Wall Panels	Lend Lease	Grimm + Parker	12/28/16	01/09/17	01/06/17	(3)
Heidler Roofing - Please elaborate the difference between metal wall panels and composite wall panels and which division is responsible for both.		[1/6/2017 Grimm + Parker - Don Porter] No composite metal panels are included in this project. All metal wall panels are insulated metal panels as specified in section 07 42 13.					
.PB018	Facade Material - CMU or Metal Panel	Lend Lease	Grimm + Parker	12/28/16	01/09/17	01/09/17	0
Heidler Roofing - Please confirm facade material on DWG A-2.1, K18 and K11 (partial north elevations) above 2nd floor window. Drawing reads large format CMU between lines M & K and D & B near coping. It "appears" that it should be metal panels.		[1/9/2017 Grimm + Parker - Don Porter] This will be revised by Addendum 3. No Large format HDMU is on this project.					
.PB019	Prequalification Requirements	Lend Lease	Lend Lease	12/28/16	01/09/17	01/09/17	0
Homewood - I need to know if I need to do some kind of Prequalification with emarylandmarketplace. I am registered with them, but the Invitation To Bid from FCPS states "All Frederick County Public School vendors and or contractors interested in bidding on FCPS projects must register at www.emarylandmarketplacre.com. FCPS will no longer accept bidder's applications." Is being registered with them enough or is there some kind of prequalification that needs to be done?		With regard to emarylandmarketplace, registration is all that is required.					
.PB020	Display Cases or Millwork	Lend Lease	Grimm + Parker	01/04/17	01/11/17	01/09/17	(2)
Cabinets By Design - On drawing A1.2, elevation L13/A6.2 looking from the corridor towards the Media Center, and F13/A6.2 looking out to the corridor from inside the Media Center - appears there are 2 display cases, one on each side of the double doors leading into the Media Center but no reference to sections or elevations on A9.9 or A9.10. These could be pre-fabricated display cases or millwork display cases based on references to be given. Please advise.		[1/9/2017 Grimm + Parker - Don Porter] These are millwork display cases. This will be clarified by Addendum 3.					
.PB021	7A Package - Guardrail System	Lend Lease	Lend Lease	01/04/17	01/11/17	01/09/17	(2)
Heidler Roofing - Contract Package 7A 2.20. Please verify the 7A Contractor will only be responsible for providing the Guardrail System on roof areas the contractor is working on and not the entire roof.		[1/9/2017 Lendlease (US) Construction Inc. - Dave Macklin LEED AP] No, the guardrail system is to be installed as soon as practical on all parapets that do not reach the minimum OSHA height requirements and shall be left in place until the permanent system must be installed.					



RFI Log

RFI Number	Subject	Author Company	Answer Company	Date Created	Date Required	Date Answered	Days Late
Question			Answer				
.PB024	Asphalt - Kettles vs Tankers	Lend Lease	Grimm + Parker	01/04/17	01/11/17	01/09/17	(2)
<p>Heidler Roofing - Section 07 51 00 -5, 2.4B Asphalt Materials. Will kettles be allowed in lieu of tankers?</p>			<p>[1/9/2017 Grimm + Parker - Don Porter] Design team takes no exceptions to kettles. Owner and CM to confirm.</p> <p>[1/9/2017 Lendlease (US) Construction Inc. - Dave Macklin LEED AP] CM takes no exception to kettles.</p>				
.PB025	Roof Specialties - 2 or 3 Coat System	Lend Lease	Grimm + Parker	01/04/17	01/11/17	01/06/17	(5)
<p>Heidler Roofing - Section 07 71 00-3 Manufactured Roof Specialties 2.2B 1a. Is the coping and roof edge finish to be two (2) coat or three (3) coat system?</p>			<p>[1/6/2017 Grimm + Parker - Don Porter] 2-coat. This is clarified in Addendum 2.</p>				
.PB027	Vocal Music C106 - Acoustic Wall Panels	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/09/17	(3)
<p>Wenger Corporation: Drawing A-6.2 Views G18, E18, C18, & A18 appear to have acoustic wall panels, but they are not labeled. Can the architect supply a drawing with the wall panels labeled as to which type they are? Drawing A-6.2 View G18 appears to have acoustic wall panels partially covering the aluminum storefront system, and the view does not go all the way up to the ceiling. Can the architect supply a drawing showing the entire elevation and clarify the size and location of the acoustic panels?</p>			<p>[1/9/2017 Grimm + Parker - Don Porter] Panel information has been provided in Addendum 2.</p>				
.PB028	Instrumental Music C106B - Acoustic Wall Panels?	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/06/17	(6)
<p>Wenger Corporation - There isn't an interior elevation for Instrumental Music C106B. Are there any acoustic wall panels in this room? If so, can the architect supply interior elevations for this room?</p>			<p>[1/6/2017 Grimm + Parker - Don Porter] No acoustic panels are required in C106B. This is clarified in Addendum 2.</p>				
.PB030	Mesh Screen at Canopy	Lend Lease	Lend Lease	01/05/17	01/12/17	01/06/17	(6)
<p>Kinsley: Package 5A scope item 2.43 on page 113 includes mesh screen for the front entrance canopy. No mesh screen is indicated on the bid drawings and no details are provided. No description of the mesh screen is found in any division 5 specification sections. Please provide specifications for the mesh screen material, or advise where the specifications can be found. Advise if mesh is steel, aluminum, stainless steel, or other metal. Advise wire size and spacing and orientation of the mesh openings. Any method of attachment details would also be of help.</p>			<p>[1/6/2017 Grimm + Parker - Don Porter] No mesh is required on this project.</p>				
.PB031	Column Covers	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/06/17	(6)
<p>Kinsley: Package 5A scope item 2.1 on page 110 includes steel column covers. It goes on to assign sixteen gauge and lighter column covers to the 9A Contractor. Drawing A-1.2 shows column covers in Media Center B101 noted: 16" Dia. Column Cover, see specs. Please confirm reference to specs. implies Section 055813 - Column Covers.</p>			<p>[1/6/2017 Grimm + Parker - Don Porter] Column covers noted in Media Center are per section 05 58 13.</p>				
.PB032	Trench Cover and Angle	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/06/17	(6)
<p>Kinsley: Does detail A7/A-5.4 of the trench cover and angle support apply to this building? We do not find this trench indicated on any plan, Can we inquire as to where it is located? Detail A7/A-5.4 refers to Struct. Dwgs. for information on the frame, but no information is found. Is the trench cover and angle support material in detail A7/A-5.4 included in the 5A - Steel bid package? Please confirm the frame for detail A7/A-5.4 is installed in the slab by the 3A - Concrete contractor.</p>			<p>[1/6/2017 Grimm + Parker - Don Porter] Provide if indicated on plans.</p>				



RFI Log

RFI Number	Subject	Author Company	Answer Company	Date Created	Date Required	Date Answered	Days Late
Question			Answer				
.PB033	Additional Stair Details	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/09/17	(3)
<p>Kinsley: Can additional details be provided for the roof to roof stair in the plan on drawing A-1.7? This appears in elevation on a11/a4.3. Can information be added to Section 055100 - Metal Stairs for this exterior stair?</p> <p>Can additional details be provided for the three(3) stairs in Mech. Rms. and Corridor in plan A14 on drawing A-1.7?</p> <p>Can additional details be provided for the Mechanical Room Stair in plan A17 on drawing A-1.8?</p>			<p>[1/9/2017 Grimm + Parker - Don Porter] Additional information has been provided by Addendum 2.</p>				
.PB034	Stair Nosings	Lend Lease	Lend Lease	01/05/17	01/12/17	01/06/17	(6)
<p>Kinsley: The 3A Contractor furnishes and installs stair nosings at interior stairs if required by the contract documents per item 2.27 on page 89. Detail A8/A-5.3 refers to the Finish Schedule for stair tread and riser finish materials. The detail also calls for a Reflective/Luminous Tread Strip at the nosing of the tread. The Reflective/Luminous Tread Strip is indicated the same thickness as the tread finish material. The Finish Schedule on A-3.1 indicates RES for Fluid Applied Flooring on the stair treads. Advise where the specification for the Reflective/Luminous Tread Strip is found. Advise which contract package supplies the Reflective/Luminous Tread Strip. Advise which contract package installs the Reflective/Luminous Tread Strip.</p>			<p>[1/6/2017 Grimm + Parker - Don Porter] Nosings are specified in section 05 53 20. Luminous strips are available in the models specified.</p> <p>[1/9/2017 Lendlease (US) Construction Inc. - Dave Macklin LEED AP] 2A contractor shall furnish and install the tread strips.</p>				
.PB041	6A Package Scope	Lend Lease	Lend Lease	01/05/17	01/12/17	01/09/17	(3)



RFI Log

RFI Number	Subject	Author Company	Answer Company	Date Created	Date Required	Date Answered	Days Late
Question			Answer				
.PB041	6A Package Scope	(Continued)					
	<p>Keller Brothers:</p> <p>12. Please confirm that shimming of window jambs, sills, and heads (i.e. as shown in details J7&E7/A-3.4) is the responsibility of the 8A contractor.</p> <p>13. Please confirm that wood blocking / shimming of exterior fixed louver assemblies as shown in detail A16/A-5.4 is not the responsibility of the 6A Contractor.</p> <p>14. Please reference the 6A Package Summary (item 2.1.I) stating that it is the responsibility of the 6A contractor to provide permanent, wall mounted fire extinguishers at all mechanical rooms. Please confirm that all small heat pump closets/mechanical rooms between classrooms such as rooms A121 and A126 do not require fire extinguishers.</p> <p>15. Please confirm that per the 6A Package Summary (item 2.3) it is the responsibility of the 6A contractor to provide temporary doors (interior and exterior) at all mechanical rooms, excluding all small heat pump/mechanical rooms between classrooms such as rooms A121 and A126.</p> <p>16. Please confirm that framed plywood doors shall be acceptable for all temporary door applications.</p> <p>17. Contract Package 6A Summary item 2.1.I indicates that the 6A Contractor is responsible for installing floor safes, though none are shown on the drawings and no such specification has been provided. Please confirm that floor safes are not required as part of this project.</p> <p>18. Display Cases and Recessed Bulletin Boards are not identified/labeled on any floor plans or furnishing plans. Please clarify.</p> <p>19. Please confirm that wood blocking / shimming of exterior fixed louver assemblies as shown in detail A16/A-5.4 is not the responsibility of the 6A Contractor.</p> <p>20. Please confirm that per item 2.49 of the 6A package summary, the 6A Contractor is only responsible for the final cleaning of their own work.</p> <p>21. Please see drawing sheet A4.11, as both details appear to be incomplete. Please clarify.</p> <p>22. Please confirm that temporary wood rails and toe boards by the 6A Contractor will not be required at the entire building perimeter, only the elevator shaft openings.</p> <p>23. The operable partition referenced in Alternate Bid No. 6 is not shown or detailed on the drawings. Please provide a detail and plan view.</p>		<p>[1/9/2017 Lendlease (US) Construction Inc. - Dave Macklin LEED AP]</p> <p>12. Yes, 8A Contractor</p> <p>13. 6A to furnish and install.</p> <p>14. 6A to furnish and install fire extinguishers at all main mechanical rooms per AHJ. HP closets do not require FE's.</p> <p>15. 6A to provide temp doors on all main mechanical rooms and electric rooms. HP closets do not require temp doors.</p> <p>16. Framed plywood doors are acceptable provided they are lockable and properly maintained for the duration of use.</p> <p>17. No floor safes are required.</p> <p>18. Refer to furnishings plans and misc. details sheets for details.</p> <p>19. 6A to furnish and install.</p> <p>20. 6A Contractor is responsible to clean materials furnished under this package only. Final Cleaning of the building is by others.</p> <p>21.</p> <p>22. Safety rails and toe boards are to be provided per item 2.9 of Contract Package 6A.</p> <p>23.</p>				
.PB043	Water Meter Vault, Test Pitting, Pipe Doubl Gaskets	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/09/17	(3)
	<p>Pleasants:</p> <p>1. Section 33 10 05 – Water Distribution System: What is the size of the water meter and vault that will be required?</p> <p>2. Who is to be contacted to set up possible test pitting on the site?</p> <p>3. There is mention of RCP and HDPE pipe having double gaskets, please clarify with description and use in storm drain system.</p>		<p>[1/9/2017 Grimm + Parker - Don Porter]</p> <p>1. Meter shall be a 8" Fire and 2" Domestic FM Meter per City of Frederick Detail W-13, with the manhole cover per Detail W-1.</p> <p>2. Contact the City of Frederick Engineering Department for test pitting within the right-of-way and FCPS for test pitting on the site.</p> <p>3. All pipe is HDPE with double gaskets. The contractor may propose RCP in lieu of HDPE provided all pipe has gaskets and is Class IV.</p>				
.PB044	Door Schedule Clarification	Lend Lease	Grimm + Parker	01/06/17	01/13/17	01/06/17	(7)



RFI Log

RFI Number	Subject	Author Company	Answer Company	Date Created	Date Required	Date Answered	Days Late
Question			Answer				
.PB044	Door Schedule Clarification	(Continued)					
	Waynesboro: 1. The door schedule on page A-3.2 list several different door types but there is no door type schedule. Please clarify if this page is missing. 2. The door schedule also lists a storefront type "SF8", however this storefront type is not on the window schedule page A-3.5. There are two "SF22" types on this page. Is it safe to assume that the "SF22" between "SF7" and "SF9" is the intended elevation for "SF8"? Please clarify.		[1/6/2017 Grimm + Parker - Don Porter] 1. Door type elevations were included in Addendum 1, Item A11 (Sketch SKA-1.3). 2. Correct. This item is corrected in Addendum 2.				
.PB046	Gym Floor	Lend Lease	Grimm + Parker	01/06/17	01/13/17	01/06/17	(7)
	Weyer's Floor: The spec calls for both 25/32" and 33/32" for wood flooring in main gymnasium. Could you please let us know which thickness it is. Also, is there an auxiliary gymnasium also. Or just the main gym?		[1/6/2017 Grimm + Parker - Don Porter] Refer to Addendum 1, Item 9.				
.PB047	Cargo Net	Lend Lease	Lend Lease	01/05/17	01/12/17	01/09/17	(3)
	TJ Distributors: The 11B scope of work, item 2.1 states a cargo net is required but one is not indicated. Will a cargo net be required or can this item be deleted?		[1/9/2017 Grimm + Parker - Don Porter] No cargo net is required. This is a relic of old FCPS projects.				
.PB048	Badminton Floor Sleeves	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/09/17	(3)
	TJ Distributors: Drawings A-1.4, A-8.1 and A-9.4 show three badminton courts but there are no sleeves indicated on these drawings. Will floor sleeves be required (if so, how many for volleyball and how many for badminton)?		[1/9/2017 Grimm + Parker - Don Porter] Sleeve requirements have been clarified/modified in Addendum 2.				
.PB049	Scoreboard Quantity	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/09/17	(3)
	TJ Distributors: How many scoreboards are required for the base bid and how many for the alternate (drawings A-6.1, detail A13 & E-1.4 each show only 1 scoreboard)?		[1/9/2017 Grimm + Parker - Don Porter] 2 scoreboards are required. This was clarified by Addendum 2.				
.PB050	Belt Drive vs Cable Drive Curtain	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/09/17	(3)
	TJ Distributors: Section 116653 specifies a belt drive curtain and drawing A-8.1, item P3 specifies a cable drive curtain. Which is required a belt-drive or cable-drive curtain?		[1/9/2017 Grimm + Parker - Don Porter] Provide unit as specified in 11 66 53.				
.PB051	Divider Curtain	Lend Lease	Grimm + Parker	01/05/17	01/12/17	01/09/17	(3)
	TJ Distributors: Should the divider curtain in Alternate #1 be extended further than in the base bid (the curtain remains the same length for the base bid and alternate #1)?		[1/9/2017 Grimm + Parker - Don Porter] Curtain should be extend further is Alternate #1.				
Total: Butterfly Ridge Elementary (All)							36



Grimm + Parker Architects

11720 Beltsville Dr, Ste #600
Calverton, MD 20705
Tel: 301.595.1000

Visit online at grimmandparker.com

January 6, 2016

**BUTTERFLY RIDGE ELEMENTARY SCHOOL
BID PACKAGE
ADDENDUM NO. 2
21347.00**

TO THE CONTRACT DRAWINGS AND SPECIFICATIONS FOR THE REFERENCED PROJECT, DATED DECEMBER 1, 2016, AS PREPARED BY GRIMM AND PARKER ARCHITECTS, 11720 BELTSVILLE DRIVE, SUITE 600, CALVERTON, MARYLAND 20705.

This Addendum includes changes and clarifications to the Contract Documents. The information includes the following:

SPECIFICATION ITEMS:

- | | | |
|--|--|-------------------------------|
| ITEM NO. 1:
000115-2
ADD | SECTION 00 01 15
ARCHITECTURAL
A-1.12 ROOF DETAILS | LIST OF DRAWINGS |
| ITEM NO. 2:
077100-3
REVISE | SECTION 07 71 00
Paragraph 2.2.B.a
Exterior Finish: Fluoropolymer <i>2-Coat</i> Coating System – Manufacturer’s . . . | MANUFACTURED ROOF SPECIALTIES |
| ITEM NO. 3:
084313-3
REVISE | SECTION 08 43 13
Paragraph 1.10.B.
Correct defective Work within a <i>two</i> year period after Date of Substantial Completion. | ALUMINUM-FRAMED STOREFRONTS |
| ITEM NO. 4:
093000-3
SUBSTITUTE | SECTION 09 30 00
Paragraph 2.1.A.5
b. CT-2: To be selected from any available color/price group.
c. CT-3: To be selected from any available color/price group.
d. CT-4: To be selected from any available color/price group. | TILING |
| 093000-4
ADD | Paragraph 2.1
E Porcelain Wall Tile: ANSI A137.1, conforming to the following:
1. Moisture Absorption: 0 to 0.1 percent.
2. Breaking Strength: ASTM C648: greater than 450 pounds.
3. Size: Alternating courses of 12 x 24 inch and 4 x 48 inch.
4. Shape: Square.
5. Trim: Quarter round at outside corners.
a. Provide manufactured 3” wide bullnose outside corners. Cut standard pieces to match coursing size. Coordinate location of bullnose pieces with Architect.
6. Surface Finish: Light Polished at 12” high pieces; unpolished at 4” high pieces. Bullnose trim pieces to match finish of adjacent coursing.
7. Basis-of-Design: Imagica by Daltile.
8. Color: To be selected from the full line of available colors. | |

BUTTERFLY RIDGE ELEMENTARY SCHOOL

ADDENDUM NO. 2

BID PACKAGE

Page 2

- ITEM NO. 5: SECTION 09 51 33 ACOUSTICAL METAL PAN CEILING
095133-3 Paragraph 2.2.A.1.a.2)
SUBSTITUTE Perforation Pattern: M2 Microperforated.
- ITEM NO. 6: SECTION 10 11 01 VISUAL DISPLAY BOARDS
101101-1 Paragraph 2.1.A
ADD 4 Aarco Products.
- ITEM NO. 7: SECTION 10 73 15 STANDING SEAM MONOLITHIC POLYCARBONATE LOW
SLOPE CANOPY
ADD This Section in its entirety with section included in this Addendum.
- ITEM NO. 8: SECTION 12 24 13 WINDOW SHADE SYSTEMS
122413-4 Paragraph 2.1.G.
REVISE Fascia: Provide *at all exposed locations*.
- ITEM NO. 9: SECTION 22 05 53 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT
220553-1 Paragraph 1.3
ADD F. LEED Submittal: Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
- ITEM NO. 10: SECTION 22 07 00 PLUMBING INSULATION
220700-2 Paragraph 1.3
ADD F. LEED Submittal: Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
- ITEM NO. 11: SECTION 22 13 16 SANITARY WASTE AND VENT PIPING
221316-1 Paragraph 1.5
ADD C. LEED Submittal: Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
- ITEM NO. 12: SECTION 23 05 00 COMMON WORK RESULTS FOR HVAC
230500-3 Paragraph 1.4
ADD C. LEED Submittal.
1. Product Data for IEQ Credit 1: For wall-mounted carbon dioxide sensors, documentation indicating accuracy of plus or minus 15 percent.
2. Product data for Credit IEQ 3 and Credit IEQ 5: For filter media installed during construction and prior to occupancy, documentation indicating MERV rating.
3. Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
4. Product data for Credit IEQ 4.2: For paints and coatings applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
5. Product data for Credit IEQ 4.4: For composite wood installed in the building interior as equipment backer boards, documentation indicating no added urea formaldehyde resins.

BUTTERFLY RIDGE ELEMENTARY SCHOOL

ADDENDUM NO. 2

BID PACKAGE

Page 3

ITEM NO. 13: SECTION 23 05 29 HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

230529-2 Paragraph 1.4

ADD E. LEED Submittal: Product data for Credit IEQ 4.2: For paints and coatings applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.

230529-3 Paragraph 2.3.A.8

ADD a. VOC content not to exceed 250 g/L.

230529-3 Paragraph 2.3.B.7

ADD a. VOC content not to exceed 250 g/L.

ITEM NO. 14: SECTION 23 05 53 IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT

230553-1 Paragraph 1.3

ADD F. LEED Submittal: Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.

ITEM NO. 15: SECTION 23 07 13 DUCT INSULATION

230713-1 Paragraph 1.3

ADD D. LEED Submittal: Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.

ITEM NO. 16: SECTION 23 07 16 HVAC EQUIPMENT INSULATION

230716-1 Paragraph 1.3

ADD D. LEED Submittal: Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.

230716-5 Paragraph 2.3.C.2

REVISE . . . adhesive shall have a VOC content of 250 g/L or less . . .

230716-6 Paragraph 2.4.A.1

REVISE . . . mastics that have a VOC content of 300 g/L or less . . .

ITEM NO. 17: SECTION 23 07 19 HVAC PIPING INSULATION

230719-2 Paragraph 1.3

ADD D. LEED Submittal: Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.

230719-6 Paragraph 2.4.A.1

REVISE . . . mastics that have a VOC content of 250 g/l or less . . .

ITEM NO. 18: SECTION 23 31 13 METAL DUCTS

233113-3 Paragraph 1.4.F

ADD 6. Product data for Credit IEQ 4.2: For paints and coatings applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.

233113-8 Paragraph 2.6.A.4.a

REVISE . . . adhesive that has a VOC content of 250 g/L or less . . .

233113-9 Paragraph 2.7.B.10

REVISE . . . sealant that has a VOC content of 420 g/L or less . . .

233113-9 Paragraph 2.7.C.6

REVISE VOC: Maximum 420 g/L (less water).

233113-10 Paragraph 2.7.D.8

BUTTERFLY RIDGE ELEMENTARY SCHOOL

ADDENDUM NO. 2

BID PACKAGE

Page 4

- REVISE** . . . sealant that has a VOC content of 420 g/L or less . . .
233113-10 Paragraph 2.7.D.9
- REVISE** VOC: Maximum 420 g/l.
233113-10 Paragraph 2.7.E.6
- REVISE** . . . sealant that has a VOC content of 420 g/L or less . . .
- ITEM NO. 19: SECTION 23 33 00 AIR DUCT ACCESSORIES
233300-2 Paragraph 1.3.E
- ADD** 3. Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
233300- Paragraph 2.14.B
- ADD** 1. VOC content not to exceed 250 g/L.
- ITEM NO. 20: SECTION 23 72 00 ENERGY RECOVERY AIR HANDLING UNITS/DEDICATED OUTDOOR AIR UNITS
237200-1 Paragraph 1.3
- ADD** G. LEED Submittal: Product data for Credit IEQ 3 and Credit IEQ 5: For filter media installed during construction and prior to occupancy, documentation indicating MERV rating.
- ITEM NO. 21: SECTION 26 05 00 BASIC ELECTRICAL MATERIALS AND METHODS
260500-1 Paragraph 1.4
- ADD** B. LEED Submittals.
1. Product data for Credit IEQ 4.1: For adhesives and sealants applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
 2. Product data for Credit IEQ 4.2: For paints and coatings applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
 3. Product data for Credit IEQ 4.4: For composite wood installed in the building interior as equipment backer boards, documentation indicating no added urea formaldehyde resins.
- ITEM NO. 22: SECTION 26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS
260553-1 Paragraph 1.3
- ADD** B. LEED Submittal: Product data for Credit IEQ 4.2: For paints and coatings applied within the building water proofing envelope, documentation including printed statement of VOC content in g/L.
- ITEM NO. 23: SECTION 26 09 23 LIGHTING CONTROL DEVICES
260923-8 Paragraph 2.8.B
- ADD** 9. Controllers shall be equipped for fail-safe operation and shall be evaluated for this purpose.
10. Controllers shall be activated by activation of the building fire alarm system.
- ITEM NO. 24: SECTION 26 51 00 INTERIOR LIGHTING
265100-2 Paragraph 1.4
- DELETE** Paragraph I in its entirety.
- ITEM NO. 25: SECTION 28 31 11 FIRE ALARM SYSTEM (ADDRESSABLE TYPE)
283111-16 Paragraph 3.4.B
- ADD** 11. Alarm-initiating connection to activate egress lighting control.

BUTTERFLY RIDGE ELEMENTARY SCHOOL

ADDENDUM NO. 2

BID PACKAGE

Page 5

ITEM NO. 26: SECTION 32 30 00 SITE FURNISHINGS
323000-3 Paragraph 2.4
ADD J. Quantity: Provide 6 benches to be located by Architect.
323000-3 Paragraph 2.5
ADD H. Quantity: Provide 8 Trash Receptacles to be located by Architect.

DRAWING ITEMS: TITLE SHEET

ITEM NO. C1: SHEET TS-2 LIST OF DRAWINGS
ADD Drawing A-1.12 ROOF DETAILS as a part of the Architectural Drawings.

DRAWING ITEMS: ARCHITECTURAL

ITEM NO. A1: SHEET A-0.7 CANOPY DETAILS
SUBSTITUTE This sheet in its entirety with revised sheet included in this Addendum.

ITEM NO. A2: SHEET A-1.3 PARTIAL FIRST FLOOR PLAN-AREA C1
REVISE Plan A15 per attached sketch SKA-2.1.

ITEM NO. A3: SHEET A-1.7 PARTIAL SECOND FLOOR PLAN-AREA C1
REVISE Plan A14 per attached sketch SKA-2.2.

ITEM NO. A4: SHEET A-1.8 PARTIAL SECOND FLOOR PLAN-AREA C2
REVISE Plan A17 per attached sketch SKA-2.3.

ITEM NO. A5: SHEET A-1.12 ROOF DETAILS
ADD This sheet in its entirety with sheet included in this Addendum.

ITEM NO. A6: SHEET A-3.1 FINISH SCHEDULE
REVISE Flooring at Corridors A101B and A101C to CPT.
REVISE All Wall Finishes at Instrumental Music Room C106B to PTD.
ADD Finish Material: Bases – RES FLUID-APPLIED FLOORING.
CLARIFY Toilet Room A113A is listed twice. There is only one of this room. Disregard second reference.
CLARIFY Transition between floor of Corridor A022 and A023 shall be at column line 11.
CLARIFY Transition between floor of Corridor B022 and B023 shall be at column line 2.
CLARIFY Ceiling Finish APC5 shall be Type SATC-1 noted in section 09 52 50.

ITEM NO. A7: SHEET A-3.5 FRAME DETAILS
ADD Numbered Remark Note 1 at Storefronts SF22, SF23 and SF 24.
SUBSTITUTE Numbered Remark Note 5: PROVIDE STOREFRONT FRAME W/ EXTENDED MULLION CAPS AT VERTICAL MULLIONS AND JAMBS.
REVISE Storefront elevation between elevations SF7 and SF9 to be **SF8** in lieu of SF22 as labeled.
CLARIFY Provide translucent window shades typical at all exterior storefront locations UNLESS NOTED OTHERWISE (see Numbered Remark note 1).
CLARIFY Provide opaque window shades typical at all interior storefront locations UNLESS NOTED OTHERWISE (see Numbered Remark note 1).

ITEM NO. A8: SHEET A-5.1 STAIR PLANS AND SECTIONS
SUBSTITUTE This sheet in its entirety with revised sheet included in this Addendum.

BUTTERFLY RIDGE ELEMENTARY SCHOOL

ADDENDUM NO. 2

BID PACKAGE

Page 6

- ITEM NO. A9: SHEET A-5.2 STAIR PLANS AND SECTIONS
SUBSTITUTE This sheet in its entirety with revised sheet included in this Addendum.
- ITEM NO. A10: SHEET A-5.3 STAIR DETAILS
SUBSTITUTE This sheet in its entirety with revised sheet included in this Addendum.
- ITEM NO. A11: SHEET A-5.7 PLAN AND MISC DETAILS
SUBSTITUTE This sheet in its entirety with revised sheet included in this Addendum. No revisions have been made to this sheet. This sheet has been reissued for clarity.
- ITEM NO. A12: SHEET A-6.1 INTERIOR ELEVATIONS
REVISE Elevation J14 per attached sketch SKA-2.4.
- ITEM NO. A13: SHEET A-6.2 INTERIOR ELEVATIONS
REVISE Elevations A18 and C18 per attached sketch SKA-2.5.
REVISE Elevations E18 and G18 per attached sketch SKA-2.6.
- ITEM NO. A14: SHEET A-7.1 REFLECTED CEILING PLAN-FIRST FLOOR-AREA A
REVISE Plan A16 per attached sketch SKA-2.7.
- ITEM NO. A15: SHEET A-7.2 REFLECTED CEILING PLAN-FIRST FLOOR-AREA B
REVISE Plan A16 per attached sketch SKA-2.8.
- ITEM NO. A16: SHEET A-7.3 REFLECTED CEILING PLAN-FIRST FLOOR-AREA C1
REVISE Plan A15 per attached sketch SKA-2.9.
- ITEM NO. A17: SHEET A-9.3 PARTIAL FIRST FLOOR FURNISHING PLAN-AREA C1
REVISE Plan A14 per attached sketch SKA-2.10.
- ITEM NO. A18: SHEET A-9.4 PARTIAL FIRST FLOOR FURNISHING PLAN-AREA C2
REVISE Plan A17 per attached sketch SKA-2.11.

DRAWING ITEMS: STRUCTURAL

- ITEM NO. S1: SHEET S-1.1 FIRST FLOOR PLAN – AREA A
REVISE Foundation Plan per attached sketch SKS-1.
ADD Detail 2/S-1.1 per attached sketch SKS-1.
- ITEM NO. S2: SHEET S-1.7 SECOND FLOOR PLAN – AREA C1
REVISE Second Floor Framing Plan per attached sketch SKS-2.
- ITEM NO. S3: SHEET S-1.8 SECOND FLOOR PLAN – AREA C2
REVISE Second Floor Framing Plan per attached sketch SKS-3.
ADD Section 5/S-1.8 per attached sketch SKS-5.
- ITEM NO. S4: SHEET S-1.9 ROOF FRAMING PLAN – AREA A
REVISE Roof Framing Plan per attached sketch SKS-4.
- ITEM NO. S5: SHEET S-1.10 ROOF FRAMING PLAN – AREA A & B
REVISE Roof Framing Plan per attached sketch SKS-4.

BUTTERFLY RIDGE ELEMENTARY SCHOOL

ADDENDUM NO. 2

BID PACKAGE

Page 7

ITEM NO. S6: SHEET S-4.4 SECTIONS
REVISE Sections 7 and 8 per attached sketch SKS-5.
ADD Section 7A per attached sketch SKS-5.

ITEM NO. S7: SHEET S-4.5 SECTIONS
REVISE Section 7 per attached sketch SKS-6.

ITEM NO. S8: SHEET S-4. 6 SECTIONS
REVISE Section 4 per attached sketch SKS-8.

DRAWING ITEMS: ELECTRICAL

ITEM NO. E1: SHEET E-0.1 LEGEND, SCHEDULES & ABBREVIATIONS
REVISE Lighting Fixture Schedule Note 5 to read:
“Manufacturers shall provide point-by-point calculations for parking and driveway areas prior to approval for review. Fixtures may utilize IES Types II, III, IV, and/or Type V in combination as required. Maintained average illumination shall be 1.60 footcandles, with minimum 0.50 footcandles and uniformity ratio shall not exceed 10:1 maximum-to-minimum and 3:1 average-to-minimum.”
REVISE Description for Manual Motor Starter to read as follows: “Single Pole Manual Motor Starting Switch with HOA Switch (Provide HOA Switch for Mechanical Equipment Only); Mount at 4'-0” AFF to top in Nema 1 Enclosure UON.”

ITEM NO. E2: SHEET E-0.2 LIGHTING FIXTURE SCHEDULE
SUBSTITUTE This sheet in its entirety with revised sheet included in this Addendum.

ITEM NO. E3: SHEET E-1.1 PARTIAL FIRST FLOOR PLAN – AREA A – POWER & SPECIAL SYSTEMS
REVISE Note 9 to read as follows: “2P Motor rated switch. Mount at unit and make all connections to VRF Units and to circuit indicated. Provide 2P, 30A FSS (F@20A) adjacent to Panel R1.”
ADD WP/GFI Duplex receptacle and Note 31 for Bird-X equipment. Refer to Sketch E-1.1.1 for additional information.
ADD Duplex receptacle and Note 30 for Alertus System connected to circuit C1D-64 in Reception A101. Refer to Sketch E-1.1.1 for additional information.

ITEM NO. E4: SHEET E-1.4 PARTIAL FIRST FLOOR PLAN – AREA C2 – POWER & SPECIAL SYSTEMS
REVISE Locations of receptacles for Washer and Dryer in Central Custodial C117. Refer to Sketch E-1.4.1 for additional information.
REVISE Junction box for Scoreboard with Note 7 (Circuit C1C-20) on West Wall in Gymnasium to duplex receptacle and location. Refer to Sketch E-1.4.2 for additional information.
ADD Duplex receptacle on Circuit C1C-20 for scoreboard with Note 7 on East Wall in Gymnasium for Scoreboard. Refer to Sketch E-1.4.2 for additional information.

ITEM NO. E5: SHEET E-2.3 PARTIAL FIRST FLOOR PLAN – AREA C1 – LIGHTING
REVISE Drawing Note 7 shall become ‘Not used.’

ITEM NO. E6: SHEET E-2.4A PARTIAL FIRST FLOOR PLAN – AREA C2 – LIGHTING ALTERNATE NO. 1
REVISE Drawing Note 4 shall become ‘Not used.’

BUTTERFLY RIDGE ELEMENTARY SCHOOL

ADDENDUM NO. 2

BID PACKAGE

Page 8

ITEM NO. E7: SHEET E-4.1 PART PLANS - POWER
REVISE Part Plan - Area C2 - Mechanical C119/Electrical Room C119A & C119b note "VRF Branch Selector Box Disconnects" to read "VRF Unit/Branch Selector Box Disconnects (Quantity of 4)".

ITEM NO. E8: SHEET E-4.2 PART PLAN - KITCHEN C112 - POWER
REVISE Locations of receptacles for Washer and Dryer in Locker C113. Refer to Sketch E-4.2.1 for additional information.

ITEM NO. E9: SHEET E-6.2 DETAILS
REVISE Note 3 shall read as follows: Provide 10-pole lighting contactors (LC1 & LC7) with 20 amp, 277 volt lighting contact rating. All contacts normally closed and electrically held open with 120 volt coil, hinged door lockable steel cabinet. Wall surface mounted adjacent to emergency lighting panel.

**SECTION 10 73 15 - STANDING SEAM MONOLITHIC POLYCARBONATE LOW SLOPE
CANOPY****PART 1 GENERAL****1.1 RELATED DOCUMENTS**

- A. The General Conditions of the Contract, including Supplementary Conditions and Division 1 - General Requirements, apply to the work of this Section.

1.2 WORK INCLUDED

- A. Design, manufacture and installation of Standing Seam Monolithic Polycarbonate system. An assembly of extruded polycarbonate glazing panels incorporated into a complete aluminum framed system that has been tested and warranted by the manufacturer as a single source system.
- B. All anchors, brackets, and hardware attachments necessary to complete the specified structural assembly, weatherability and water-tightness performance requirements. All flashing up to but not penetrating adjoining work are also required as part of the system and shall be included.
- C. Trained and factory authorized labor with supervision to complete the entire panel installation.

1.3 RELATED WORK

- A. Section 05 12 00 - Structural Steel.

1.4 QUALITY ASSURANCE

- A. Materials and Products shall be manufactured by a company continuously and regularly employed in the manufacture of canopies using polycarbonate (not glass) panel systems for a period of at least ten (10) years.
- B. Erection shall be by a factory-approved installer which has been in the business of erecting similar material for at least five (5) consecutive years and can show evidence of satisfactory completion of projects of similar size, scope and type.
- C. The manufacturer shall be responsible for the configuration and fabrication of the complete panel system, and will ensure that it fully meets all requirements of this specification.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Where translucent canopy panels are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.6 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions and profiles of components, and finishes for translucent canopy panels.
- B. Shop Drawings: For translucent canopy panels. Include plans, sections, details, and attachments to other Work.
- C. The manufacturer shall submit written guarantee accompanied by substantiating data, stating that the products to be furnished are in accordance with or exceed these specifications.

- D. The manufacturer shall submit certified test reports made by an independent organization for each type and class of panel system. Reports shall verify that the material will meet all performance requirements of this specification. Previously completed test reports will be acceptable if they are current and indicative of products used on this project. Test reports required are:
1. Self-ignition Temperature (ASTM 1929-3)
 2. Smoke Density (ASTM D-2843)
 3. Burning Extent (ASTM D-635)
 4. Interior Flame Spread per (ASTM E-84)
- E. Submit Installer Certificate signed by installer, certifying compliance with project qualification requirements.

1.7 MAINTENANCE DATA

- A. The manufacturer shall provide recommended maintenance procedures, schedule of maintenance and materials required or recommended for maintenance.

1.8 WARRANTY

- A. Provide a single source canopy system manufacturer warranty for glazing panels and framing system – third party warranty for glazing panels shall not be acceptable.
- B. Provide manufacturer 10 year warranty to include:
1. Change in light transmission of no more than 6% per ASTM D-1003

PART 2 PRODUCTS

2.1 STANDING SEAM MONOLITHIC POLYCARBONATE GLAZING SYSTEM:

- A. The design and performance criteria of this job are based on U-LITE Standing seam Monolithic Polycarbonate system with Type IW Panels as manufactured by CPI Daylighting, Inc.:
1. Website: www.cpidaylighting.com
- B. Equal product by one of the following:
1. DuoGard.
 2. Extech.
 3. Wasco.

2.2 PANEL PERFORMANCE

- A. Appearance:
1. Panel assembly thickness shall be a minimum 0.15" (4mm) single panel with exposed interlocking Aluminum U battens.
 2. Panel Width: Shall not exceed 2' to ensure best performance for wind uplift, vibration, oil canning and visual appearance. Panels over 2' wide will not be approved.
- B. Performance of Type IW Panel:
1. Visible Light Transmission: 55 percent.
 2. Solar Transmission: 58 percent.
 3. Solar Heat Gain Coefficient: 0.61.
- C. Panel Joint System:
1. Panel shall be extruded in one single formable length. Maximum panel width shall not exceed 2'. Transverse connections are not acceptable.

2. The panels should be manufactured with up stands that are integral to the unit.
3. The up stands shall be 90 degrees to the panel face (standing seam dry glazed concept). Welding or gluing of upstands or standing seam is not acceptable.
4. The aluminum U battens shall have a screw down clamping mechanism to ensure the designed uplift capability.
5. Free movement of the panels shall be allowed to occur without damage to the weather tightness of the completed system.

D. Flammability:

1. The panel shall be an approved light transmitting plastic with a CC1 fire rating classification per ASTM D-635. Smoke density no greater than 75 per ASTM D2843 and a minimum self-ignition temperature of 1000°F per ASTM 1929. The panel shall be self-extinguishing. Flame spread no greater than 25 per ASTM E-84

E. Weatherability:

1. Panels shall consist of a polycarbonate resin with a permanent, co-extruded, ultra-violet protective layer. Post-applied coating or films of dissimilar materials are unacceptable.

2.3 METAL FRAME STRUCTURE

- A. Design criteria shall be based on loads described on the structural drawings.
- B. The glazing framing is designed to be self-supporting between the support constructions. The deflection of the structural framing members in a direction normal to the plane of the glazing, when subjected to a uniform load deflection, shall not exceed L/60 for the unsupported span. The canopies will impose reactions to the support construction. All adjacent and support construction must support the transfer of all loads, both horizontal and vertical, exerted by the canopies. Design or structural engineering services for the supporting structure or other building components not included in the canopy scope are not included under this section.
- C. Water Penetration testing of the Metal Frame Structure shall be conducted according to procedures in AAMA 501.2.

2.4 METAL MATERIALS

- A. Extruded Aluminum shall be ANSI/ASTM B221; 6063-T6; 6063-T5 or 6005-T5.
- B. Flashing:
 1. 5005 H34 aluminum 0.04" minimum thickness.
 2. Sheet metal flashings/closures/claddings are to be furnished shop formed to profile - when lengths exceed 10 ft. in nominal 10-ft lengths. Field trimming of the flashing and field forming the ends is necessary to suit as-built conditions. Sheet metal ends are to overlap at least 6-in. to 8-in., set in a full bed of sealant and riveted if required.
- C. All Fasteners for aluminum framing to be stainless steel or cadmium plated steel, excluding the final fasteners to the building.
- D. All exposed ALUMINUM FINISH shall be from CPI standard color range: 70% base resin PVDF wet paint per AAMA-2605 non-exotic, non-metallic with 20 year warranty.

PART 3 EXECUTION

3.1 EXAMINATION

- A. General Contractor to verify when structural support is ready to receive all work in this section and to convene a Pre-Installation Conference at least one week prior to commencing work of

this Section. Attendance required of General Contractor, canopy installer and all parties directly affecting and effected by the work of this section.

- B. All submitted opening sizes, dimensions and tolerances are to be field verified by general contractor unless otherwise stipulated.
- C. Installer to examine area of installation to verify readiness of site conditions. Notify general contractor about any defects requiring correction. Do not work until conditions are satisfactory.

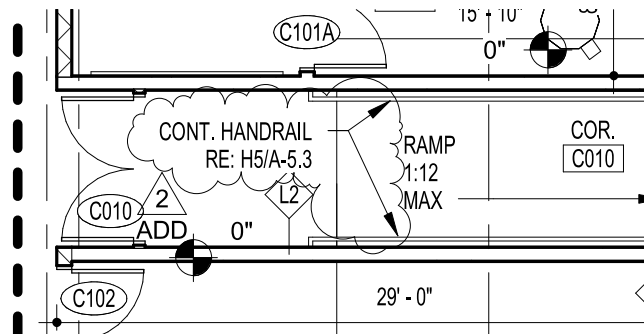
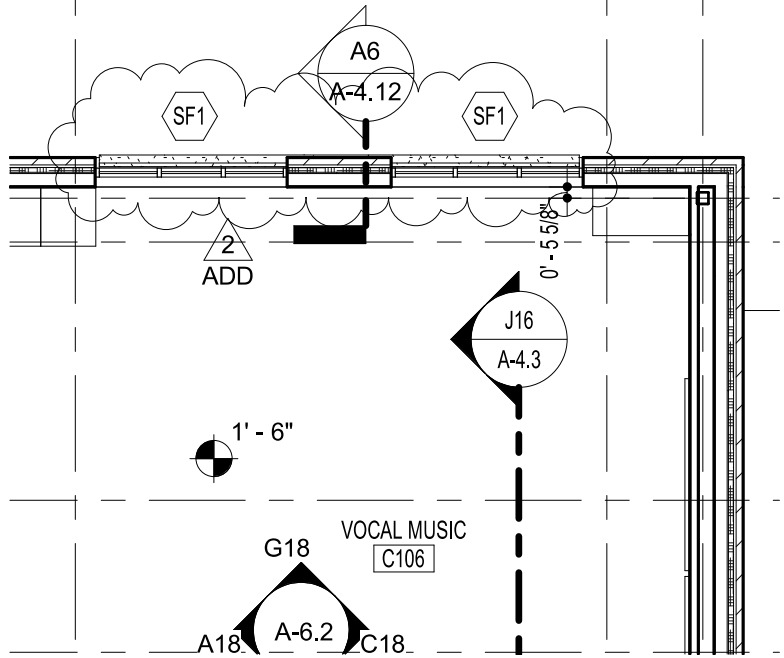
3.2 INSTALLATION

- A. Install components in strict accordance with manufacturer's instructions and approved shop drawings. Use proper fasteners and hardware for material attachments as specified.
- B. Use methods of attachment to structure allowing sufficient adjustment to accommodate tolerances.
- C. Erection Tolerances: Install skylight components true in plane, accurately aligned, and without warp or rack. Adjust framing to comply with the following tolerances:
 - 1. Variation from Plane: Limit variation from plane or location shown to 1/8 inch in 10 feet; 1/4 inch over total length.
 - 2. Alignment: Where surfaces abut in line and at corners and where surfaces are separated by less than 3 inches, limit offset from true alignment to less than 1/32 inch; otherwise, limit offset from true alignment to 1/8 inch.
- D. Remove all protective coverings on panels immediately after installation.

3.3 CLEANING

- A. Follow manufacturer's instructions when washing down exposed panel surfaces using a solution of mild detergent in warm water that is applied with soft, clean wiping cloths. Always test a small area before applying to the entire area.
- B. Follow strict panel manufacturer guidelines when removing foreign substances from panel surfaces requiring mineral spirits or any solvents that are acceptable for use.
- C. Installers shall leave panel system clean at completion of installation. Final cleaning is by others upon completion of project, following manufacturer's cleaning instructions.

END OF SECTION



BUTTERFLY RIDGE ELEMENTARY SCHOOL

REVISION TO SHEET A-1.3

SCALE
1/8"=1'-0"

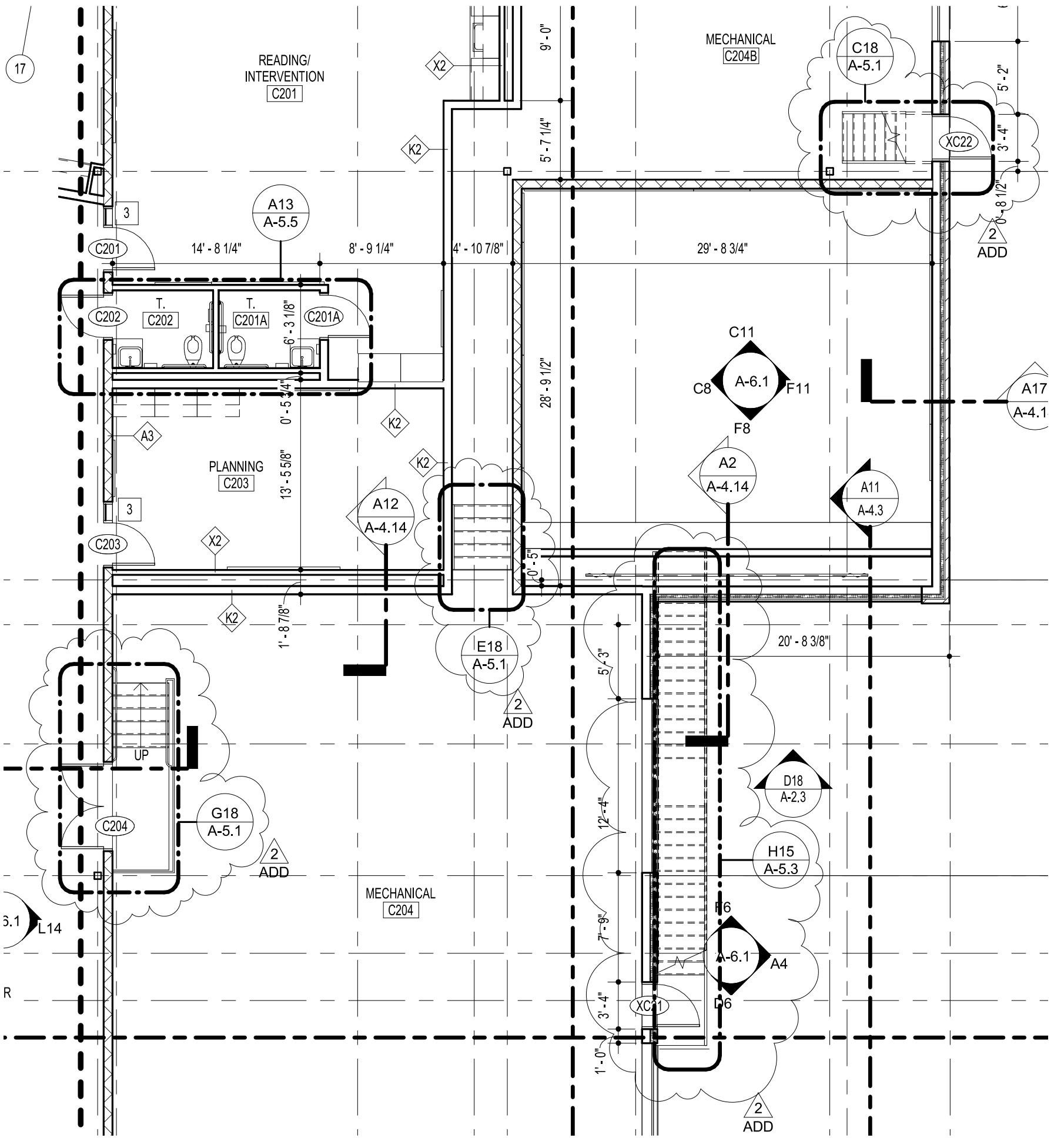
DATE
01/06/17

ADD 2
SKA-2.1



11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com



BUTTERFLY RIDGE ELEMENTARY SCHOOL
 REVISION TO SHEET A-1.7

SCALE
 1/8"=1'-0"

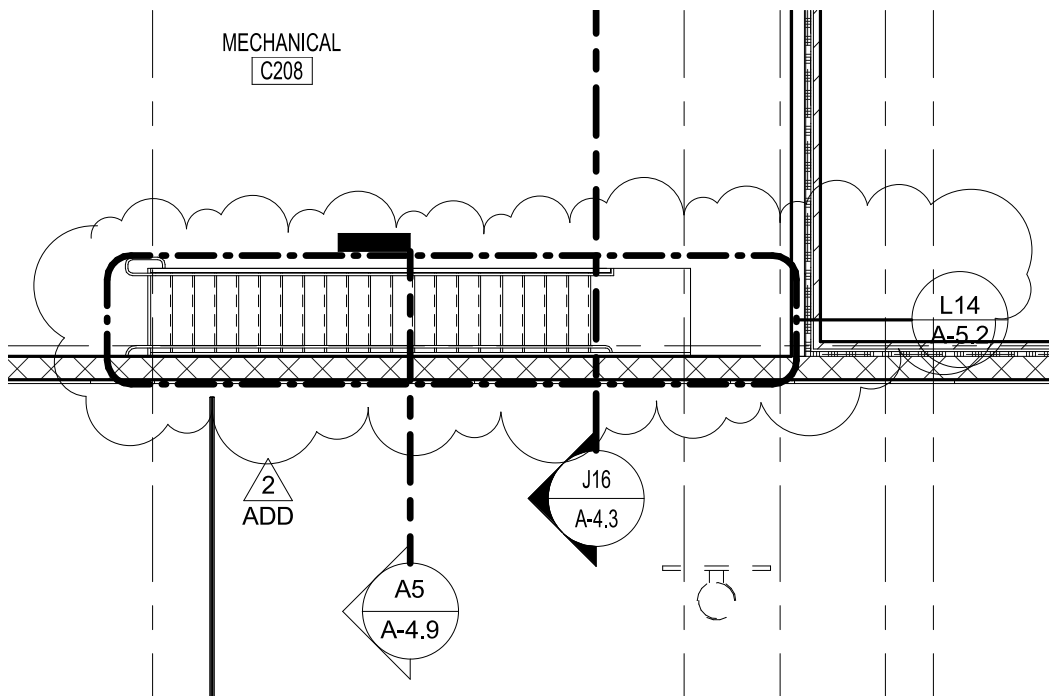
DATE
 01/06/17

ADD 2
 SKA-2.2



11720 Beltsville Drive
 Suite 600
 Calverton, MD 20705

www.grimmandparker.com



BUTTERFLY RIDGE ELEMENTARY SCHOOL

REVISION TO SHEET A-1.8

SCALE
1/8"=1'-0"

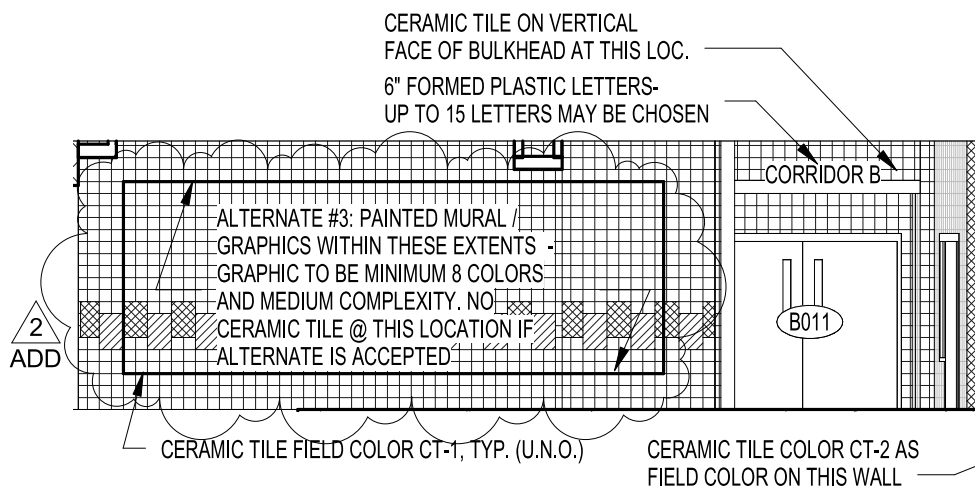
DATE
01/06/17

ADD 2
SKA-2.3



11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com



BUTTERFLY RIDGE ELEMENTARY SCHOOL

REVISION TO SHEET A-6.1

SCALE
1/8"=1'-0"

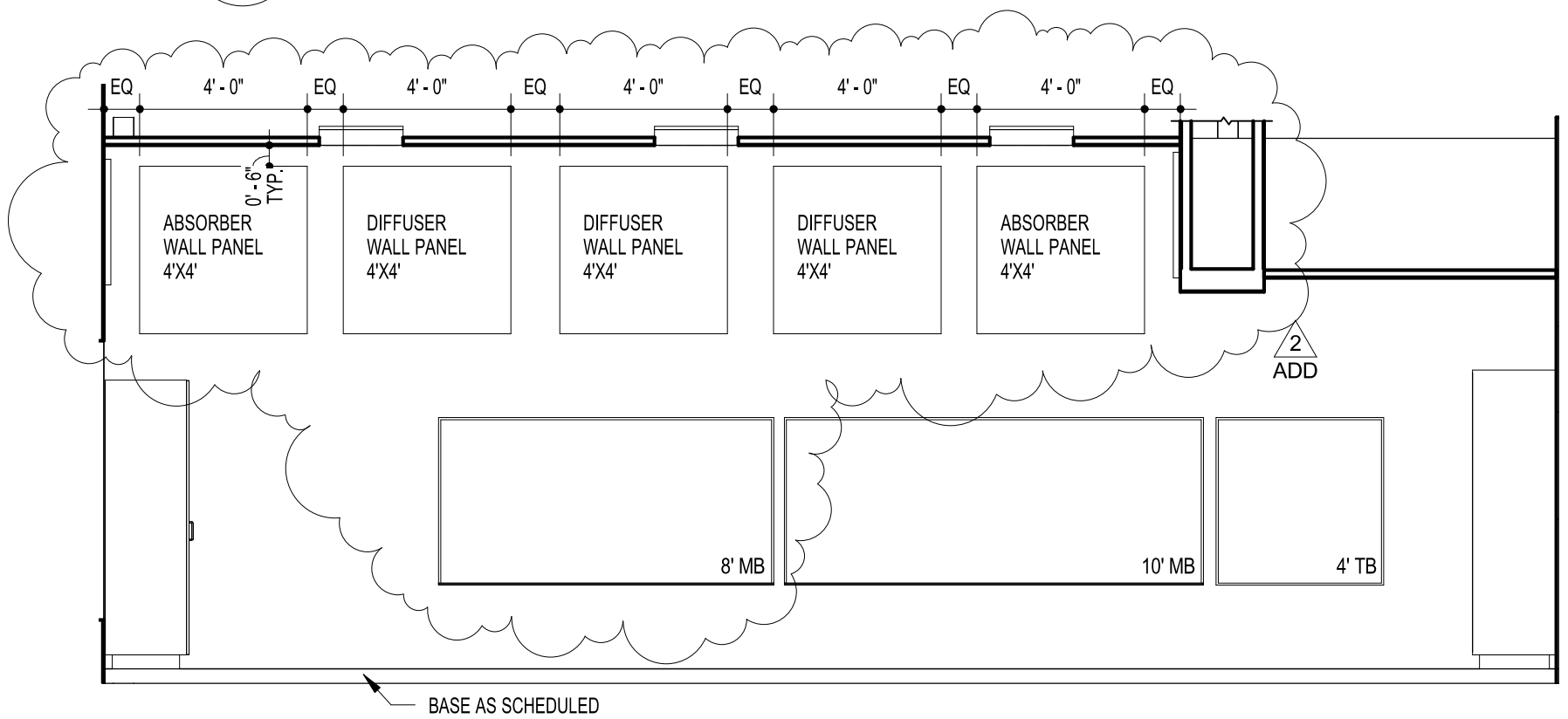
DATE
01/06/17

ADD 2
SKA-2.4



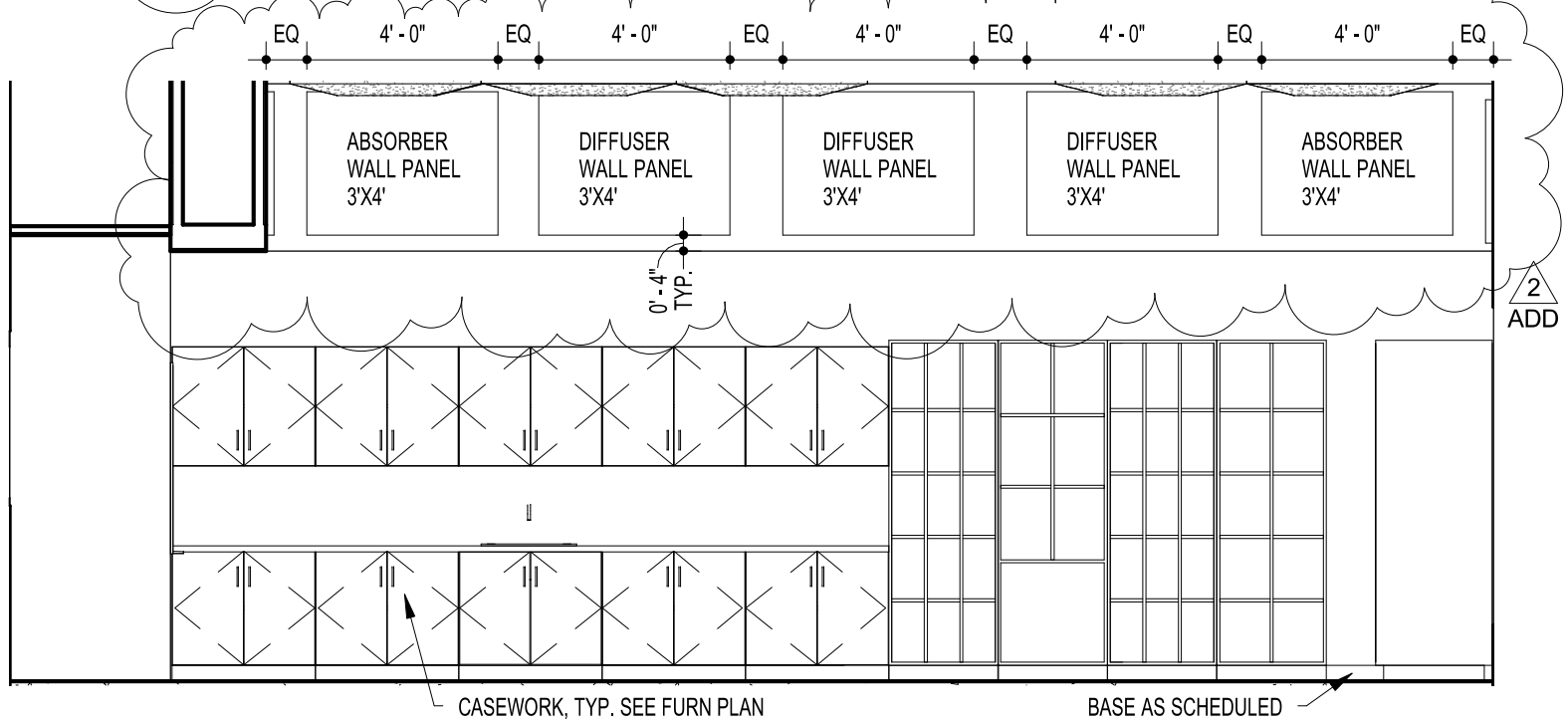
11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com



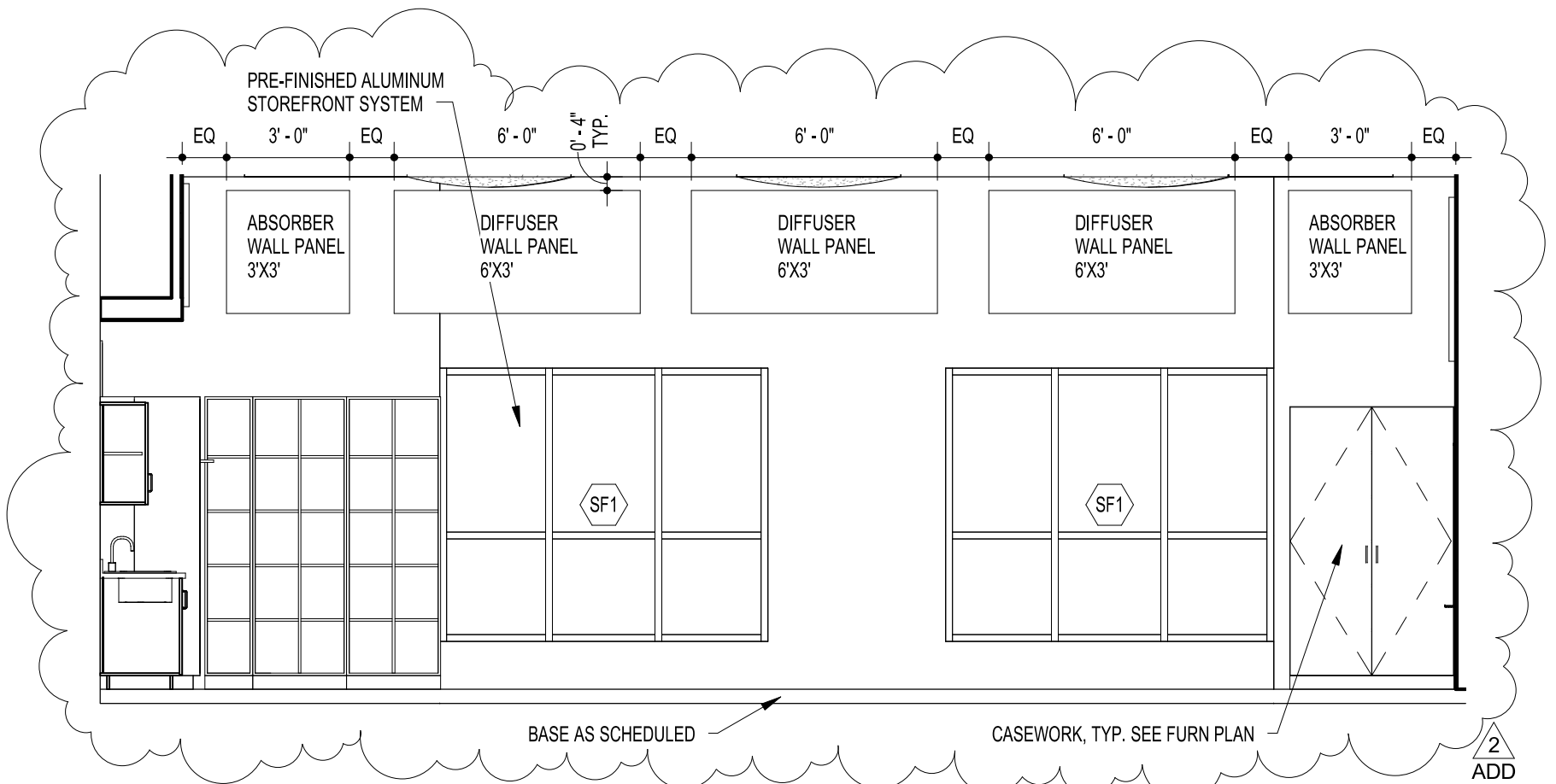
C18 VOCAL MUSIC- EAST ELEVATION

1/4" = 1'-0"

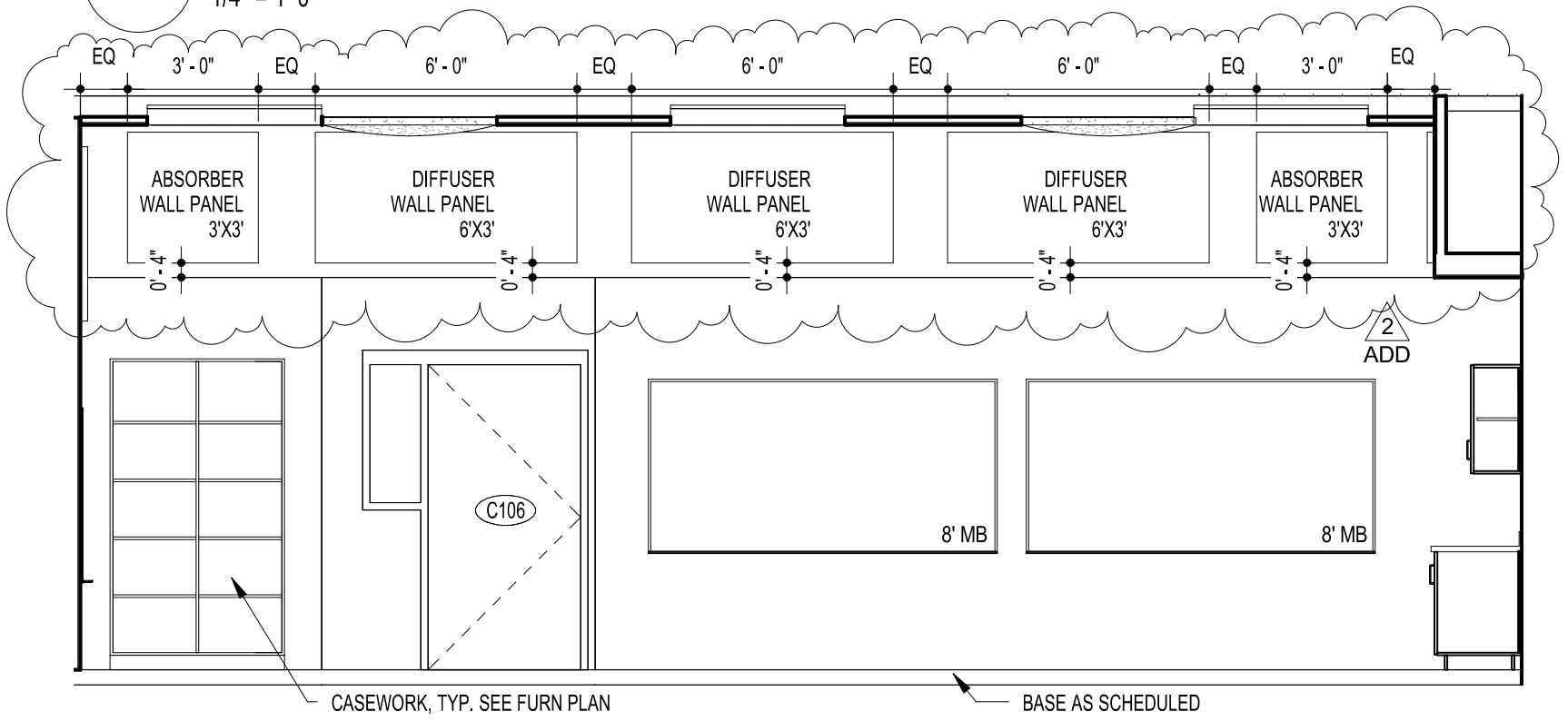


A18 VOCAL MUSIC- WEST ELEVATION

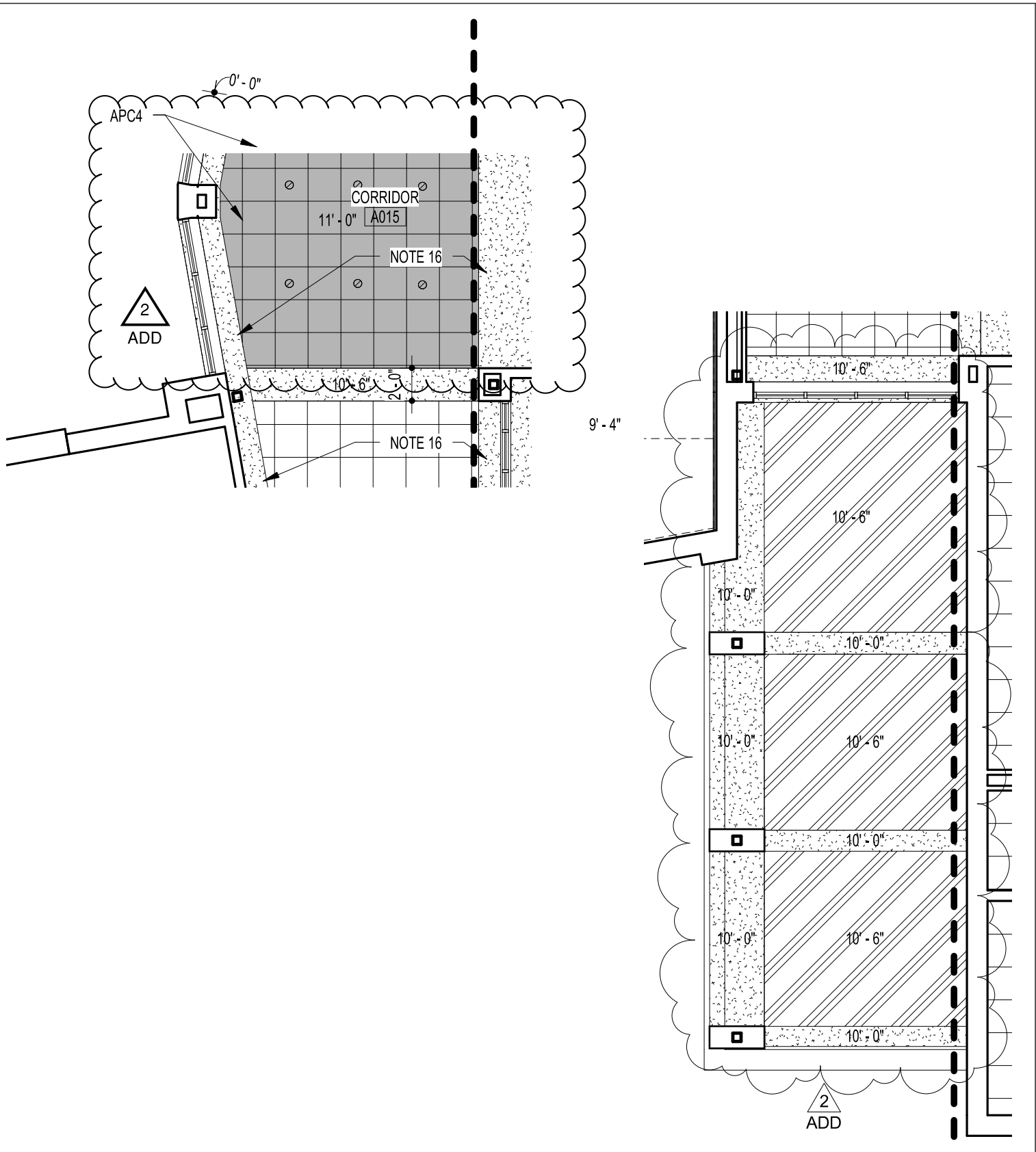
1/4" = 1'-0"



G18 VOCAL MUSIC- NORTH ELEVATION
 1/4" = 1'-0"



E18 VOCAL MUSIC- SOUTH ELEVATION
 1/4" = 1'-0"



BUTTERFLY RIDGE ELEMENTARY SCHOOL

REVISION TO SHEET A-7.2

SCALE
1/8"=1'-0"

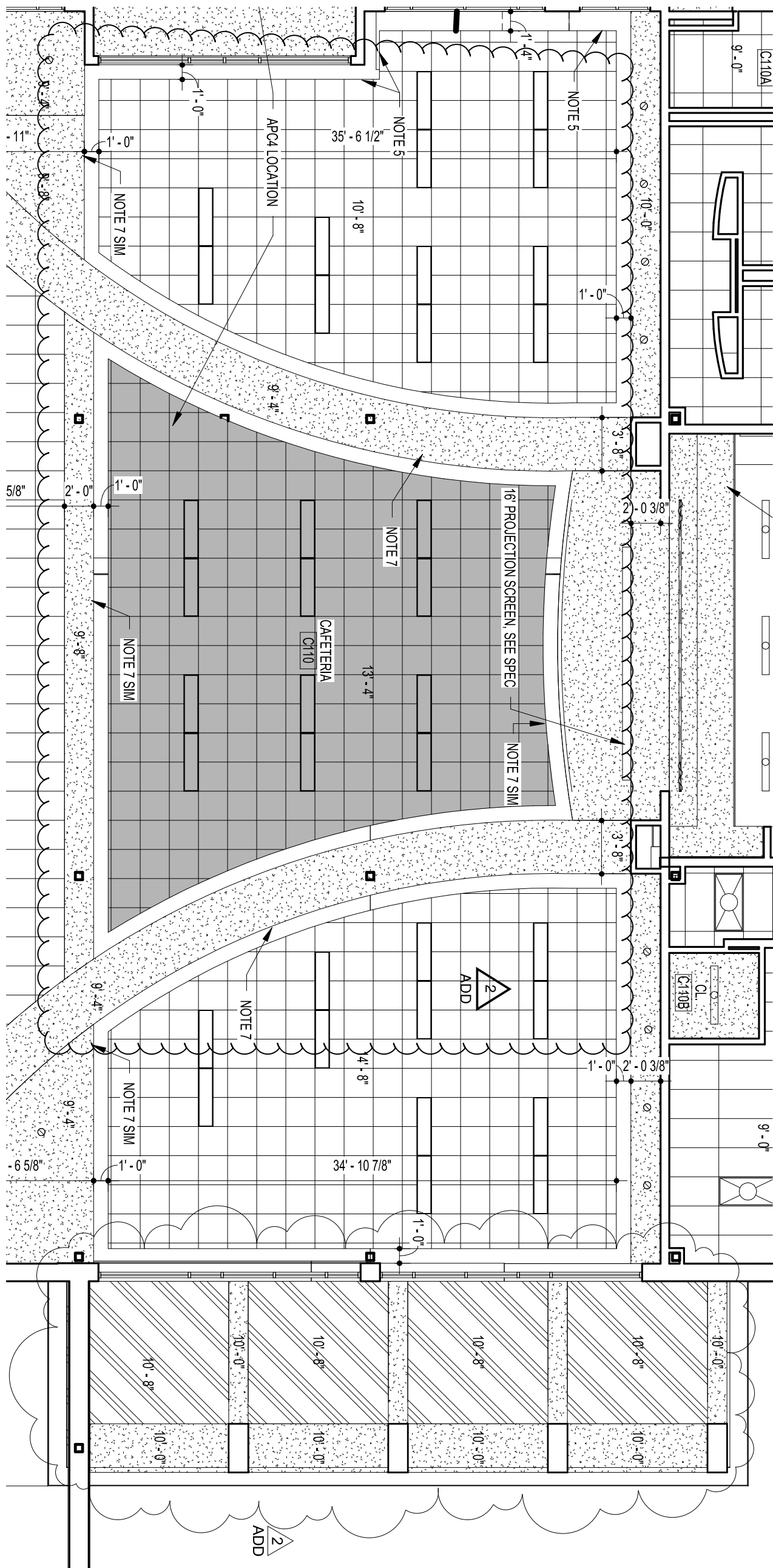
DATE
01/06/17

ADD 2
SKA-2.8



11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com



BUTTERFLY RIDGE ELEMENTARY SCHOOL

REVISION TO SHEET A-7.3

SCALE
1/8"=1'-0"

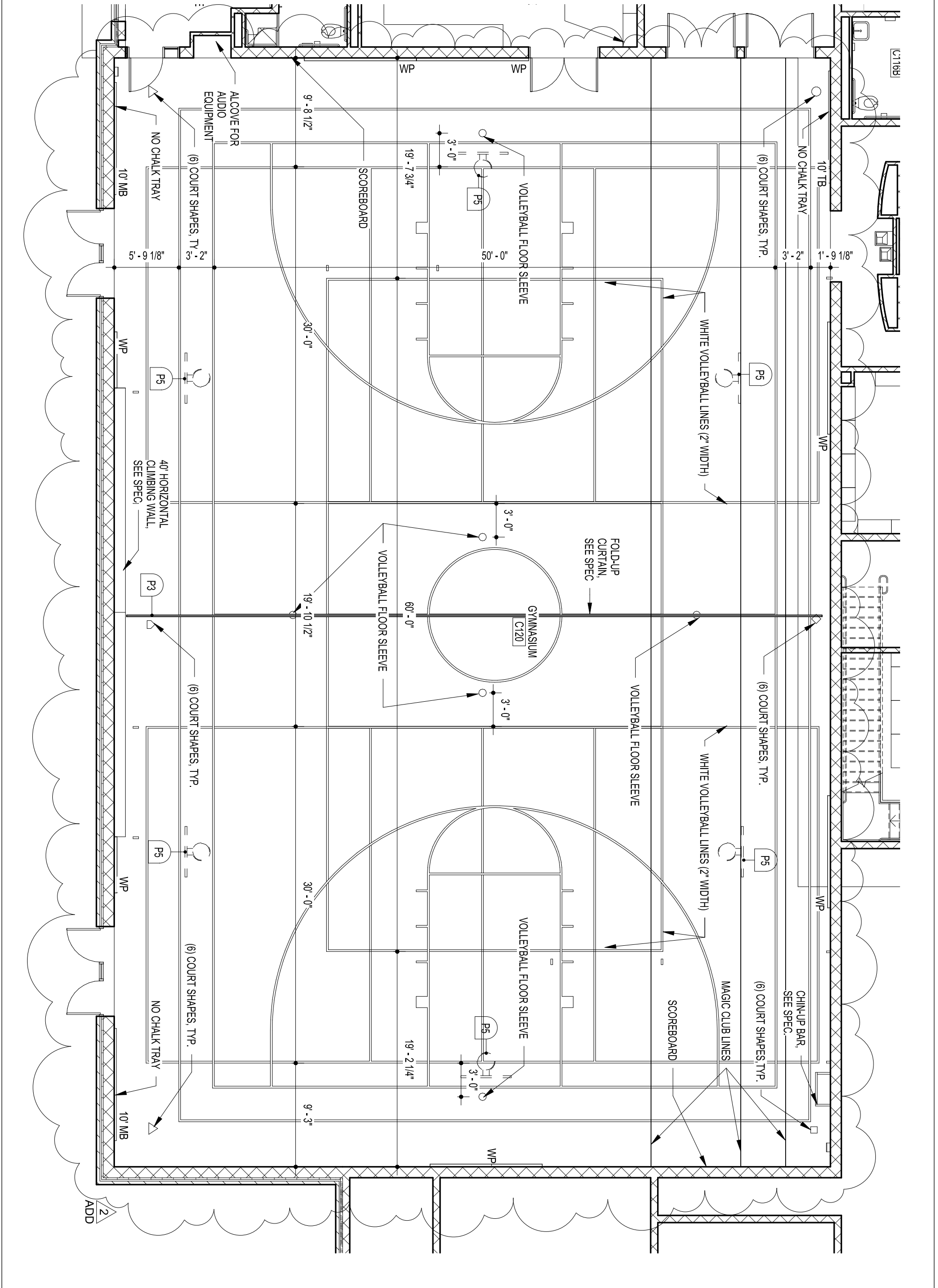
DATE
01/06/17

ADD 2
SKA-2.9



11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com



BUTTERFLY RIDGE ELEMENTARY SCHOOL

REVISION TO SHEET A-9.4

SCALE
1/8"=1'-0"

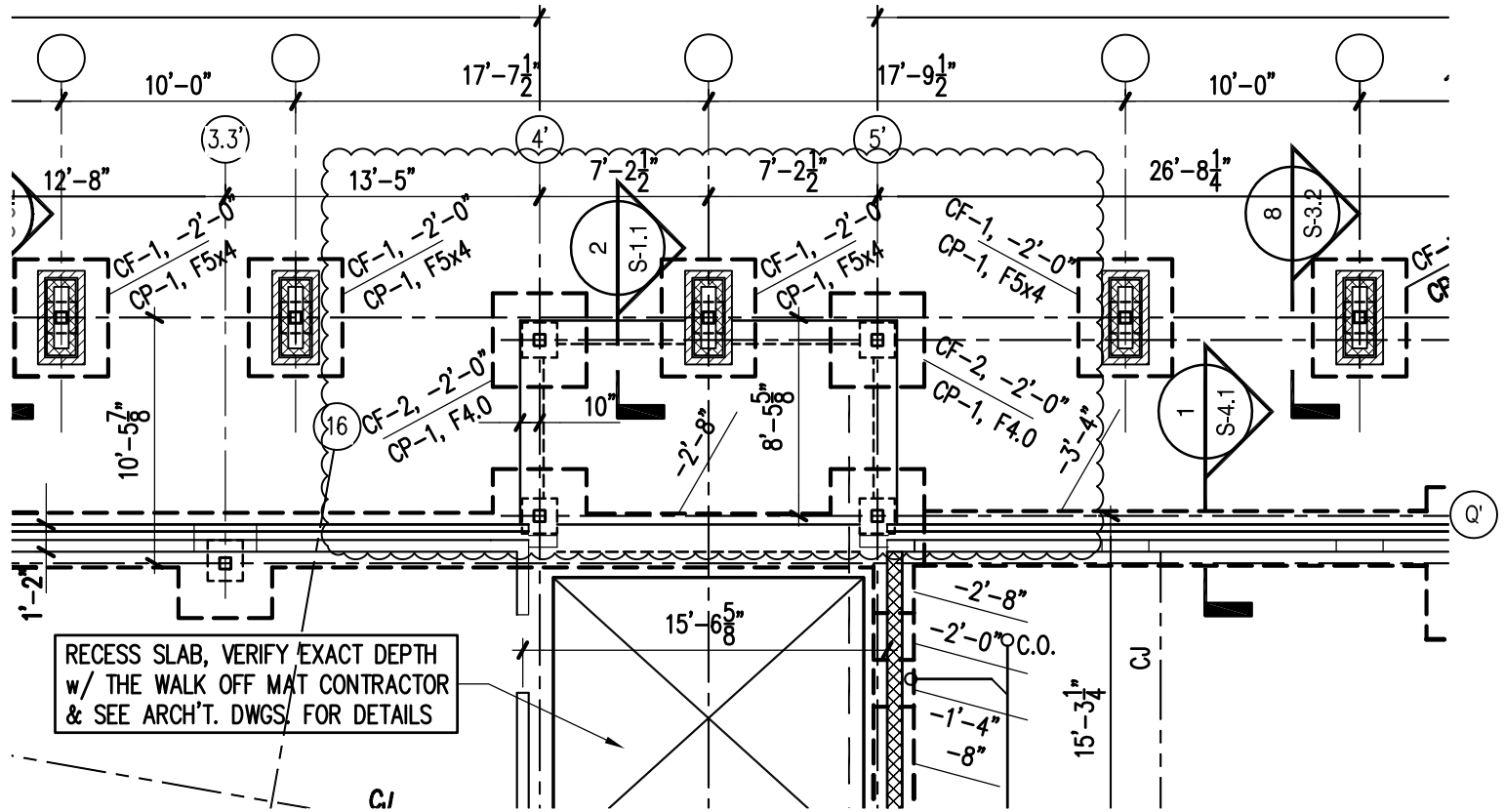
DATE
01/06/17

ADD 2
SKA-2.11



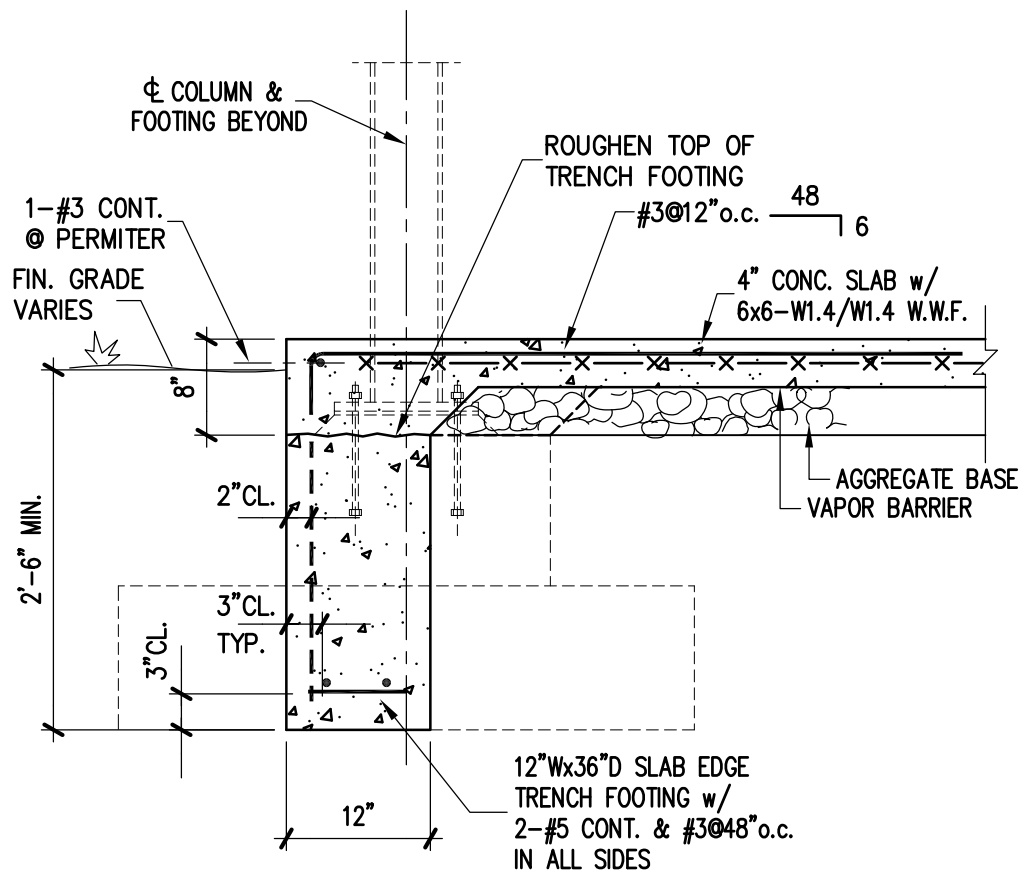
11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com



PARTIAL 1st FLOOR PLAN - AREA A

SHEET S-1.1



SECTION

2

SCALE: 3/4"=1'-0"

S-1.1

BUTTERFLY RIDGE ELEMENTARY SCHOOL
REVISION TO SHEET; S-1.1

SCALE
1/8"=1'-0"

DATE
01/05/17

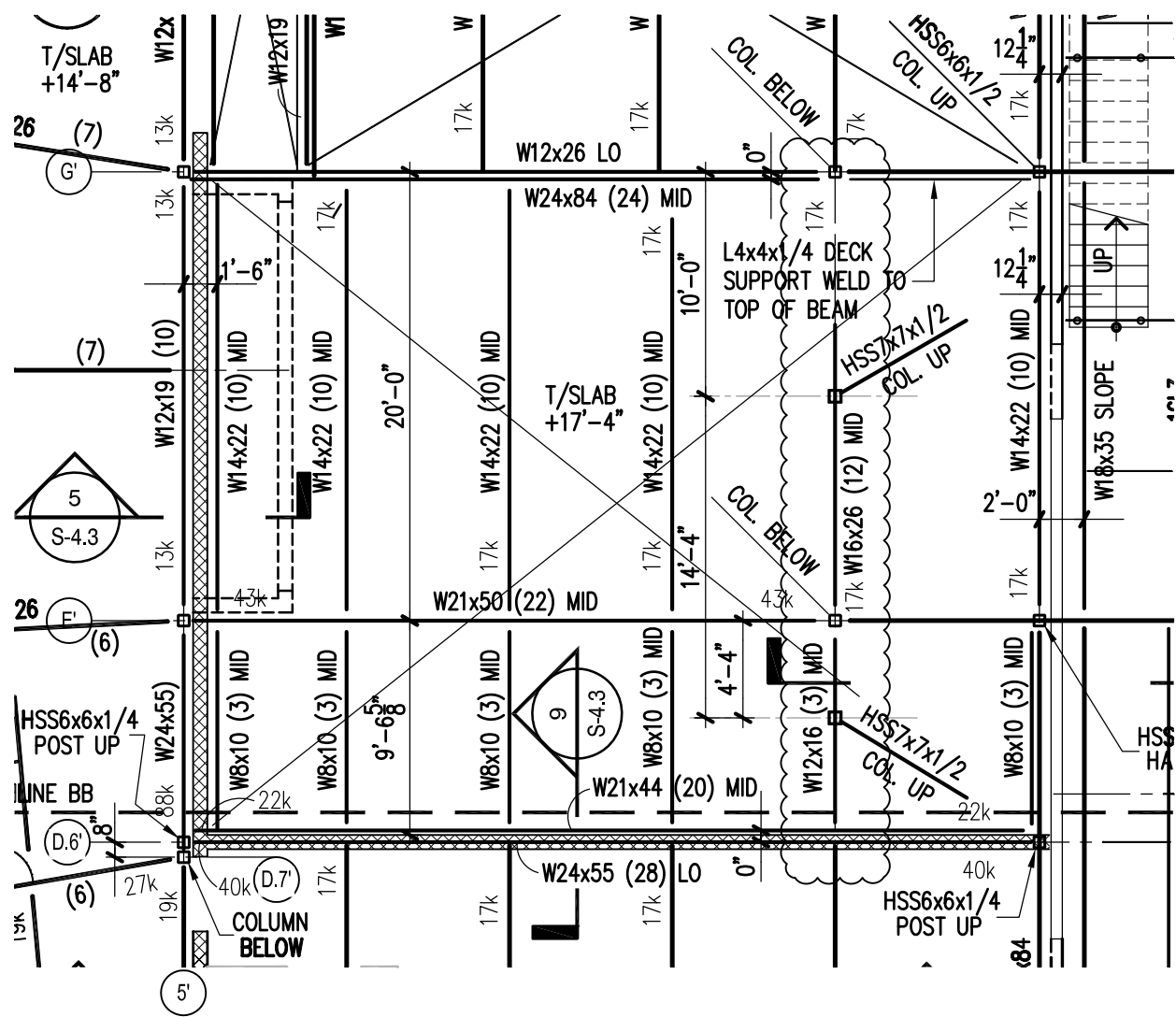
ADD 2
SKS-1



11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com

PARTIAL 2nd FLOOR PLAN - AREA C1



BUTTERFLY RIDGE ELEMENTARY SCHOOL
 REVISION TO SHEET; S-1.7

SCALE
 1/8"=1'-0"

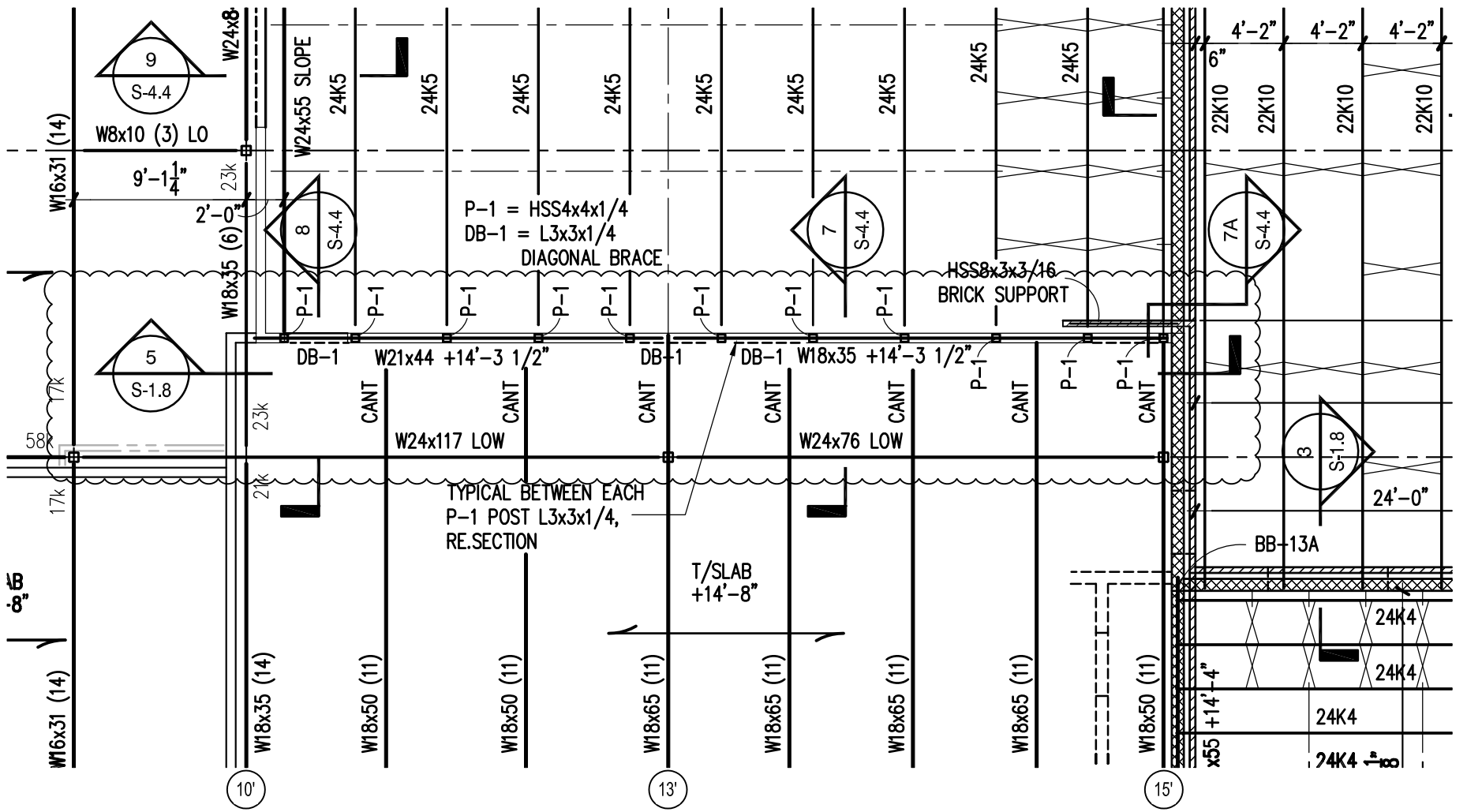
DATE
 01/05/17

ADD 2
 SKS-2

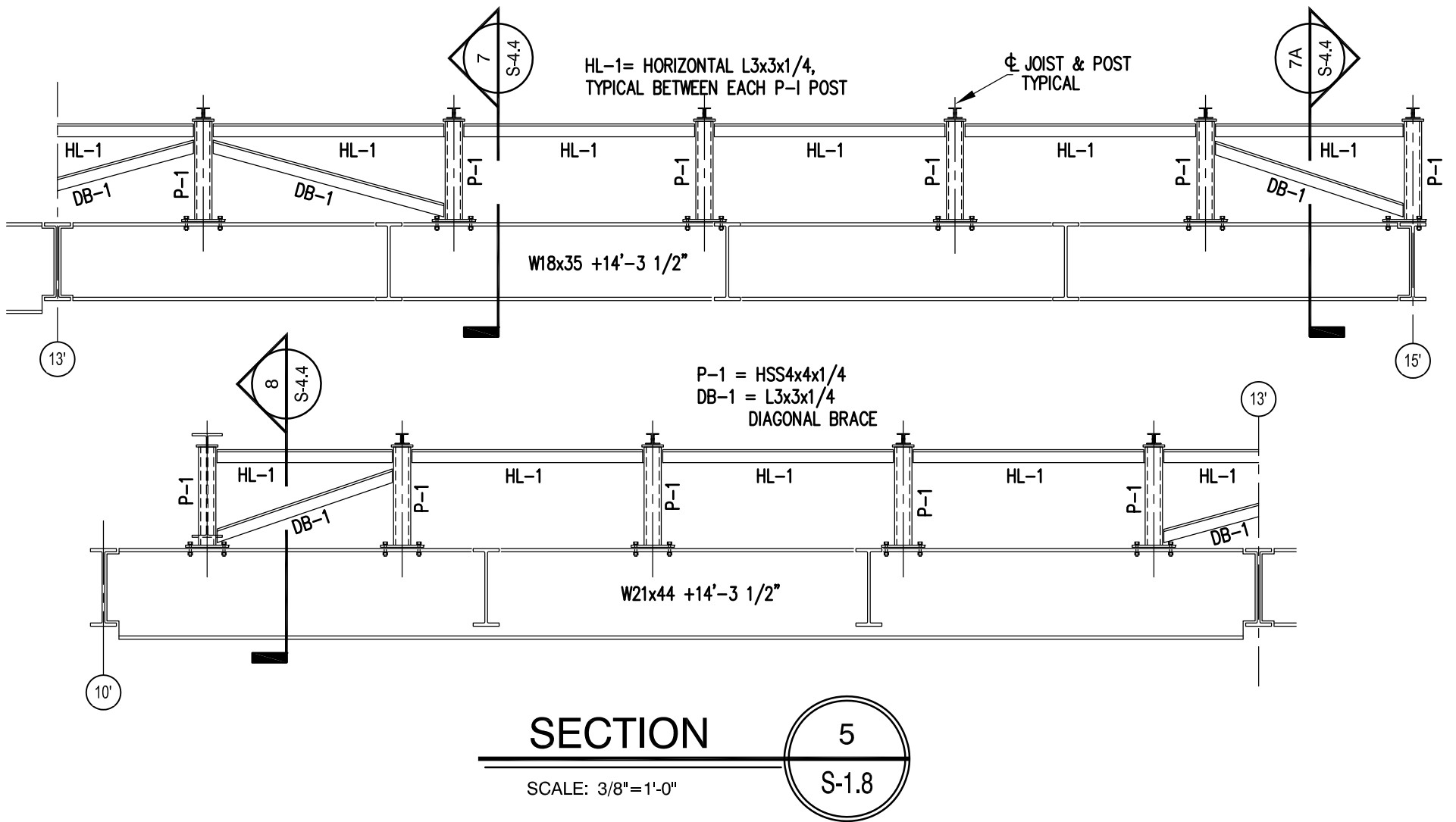


11720 Beltsville Drive
 Suite 600
 Calverton, MD 20705

www.grimmandparker.com



PARTIAL 2nd FLOOR PLAN - AREA C2
SHEET S-1.8



SECTION

5
S-1.8

SCALE: 3/8"=1'-0"

BUTTERFLY RIDGE ELEMENTARY SCHOOL
REVISION TO SHEET; S-1.8

SCALE
N.T.S.

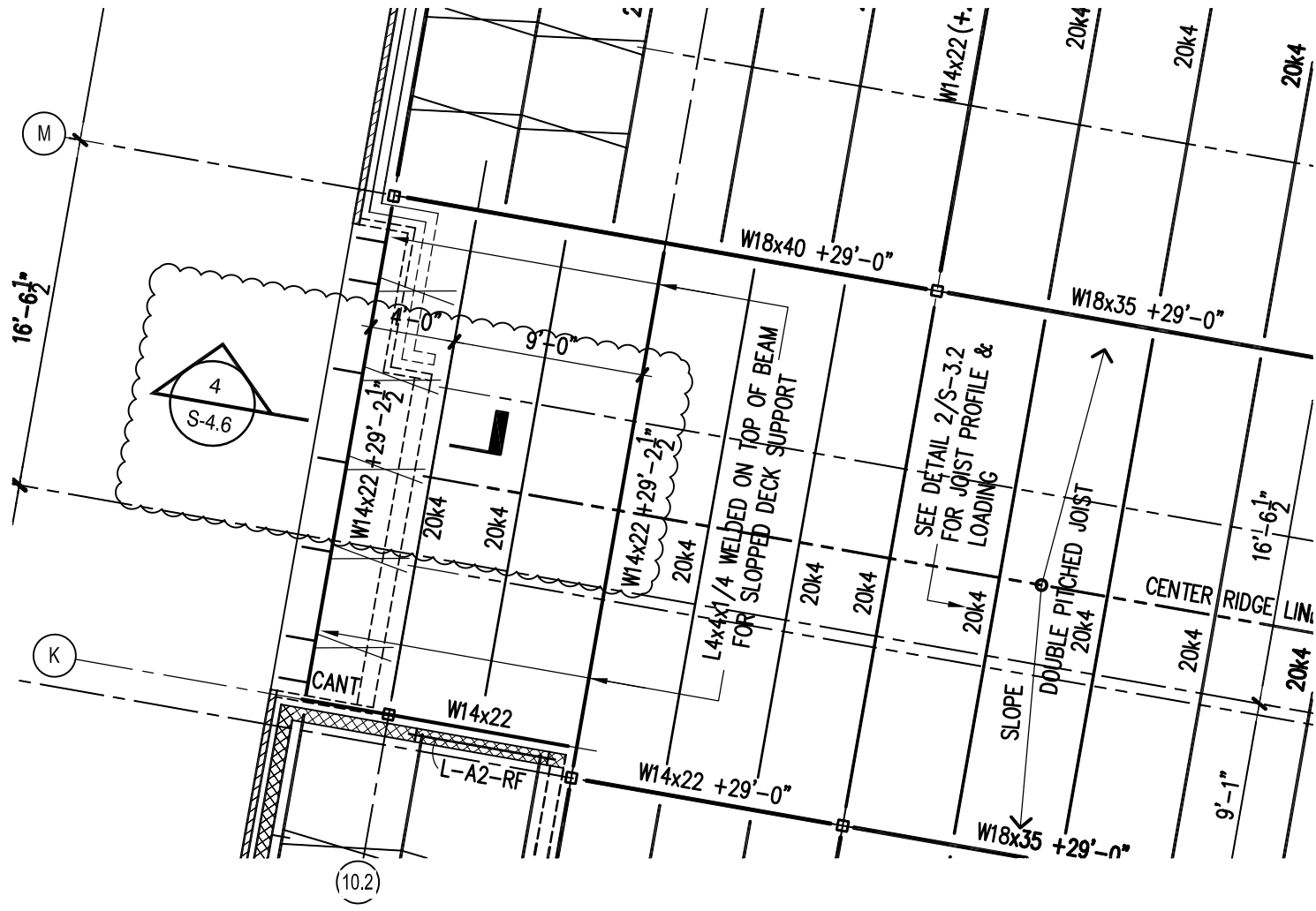
DATE
01/05/17

ADD 2
SKS-3



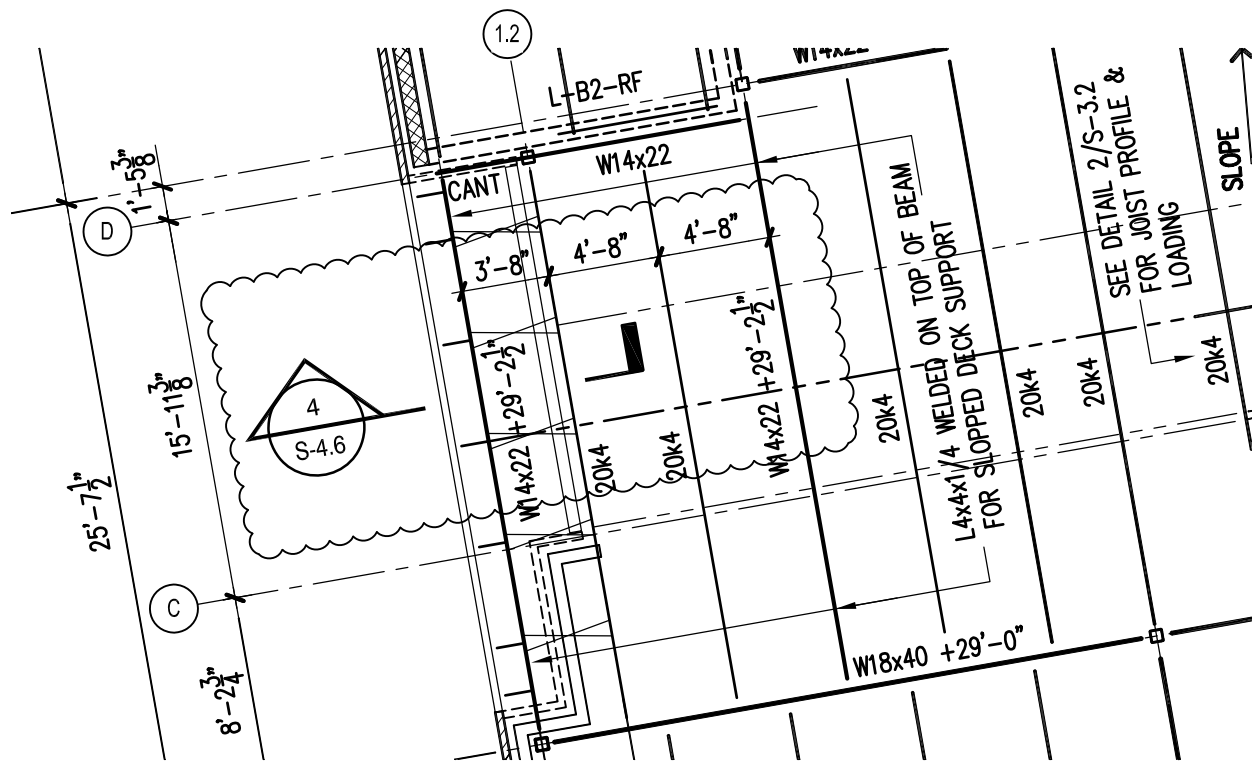
11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com



PARTIAL ROOF PLAN - AREA A

SHEET S-1.9



PARTIAL ROOF PLAN - AREA B

SHEET S-1.10

BUTTERFLY RIDGE ELEMENTARY SCHOOL
 REVISION TO SHEET; S-1.9 and S-1.10

SCALE
 1/8"=1'-0"

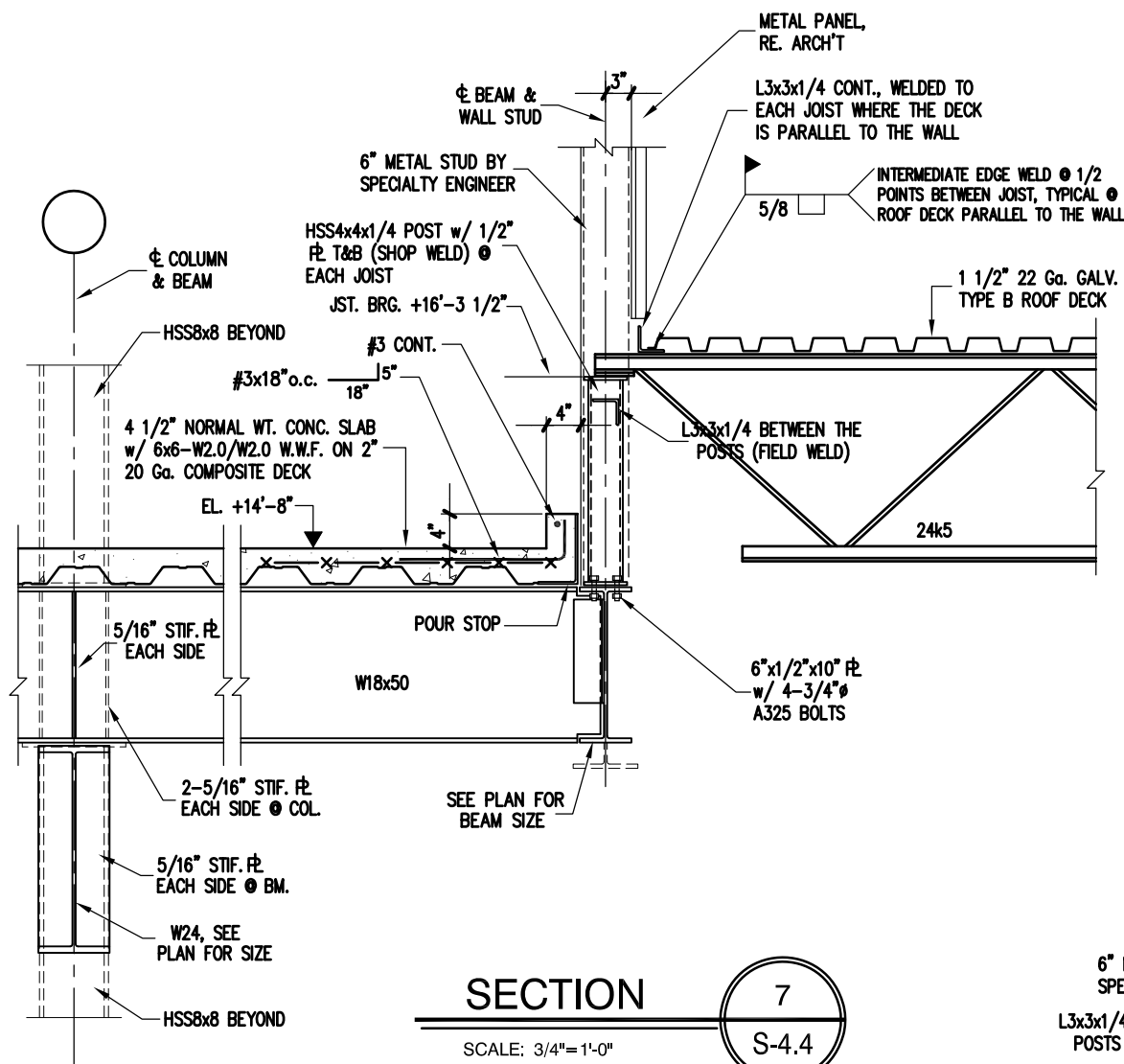
DATE
 01/05/17

ADD 2
 SKS-4

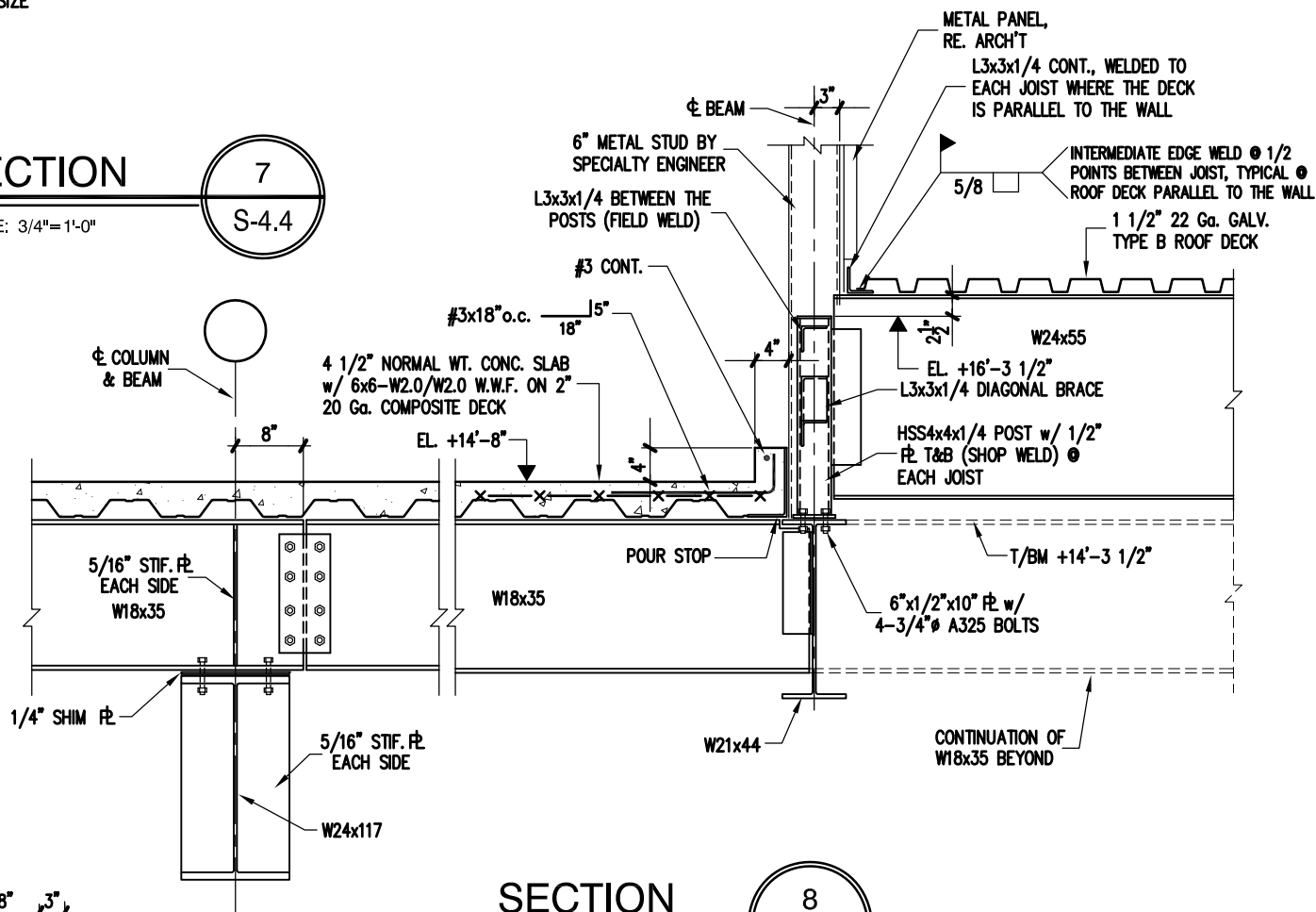


11720 Beltsville Drive
 Suite 600
 Calverton, MD 20705

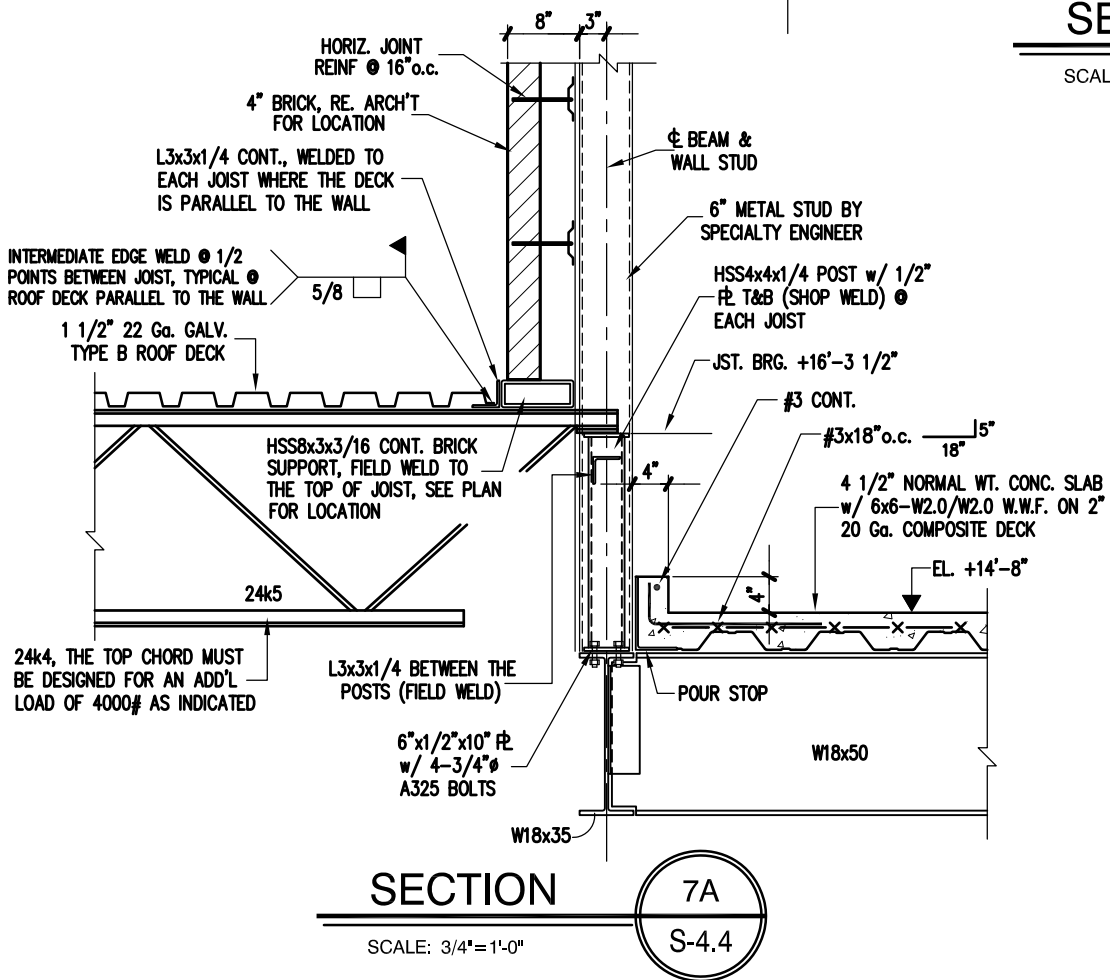
www.grimmandparker.com



SECTION 7
SCALE: 3/4"=1'-0"
S-4.4



SECTION 8
SCALE: 3/4"=1'-0"
S-4.4



SECTION 7A
SCALE: 3/4"=1'-0"
S-4.4

BUTTERFLY RIDGE ELEMENTARY SCHOOL
REVISION TO SHEET; S-4.4

SCALE
N.T.S.

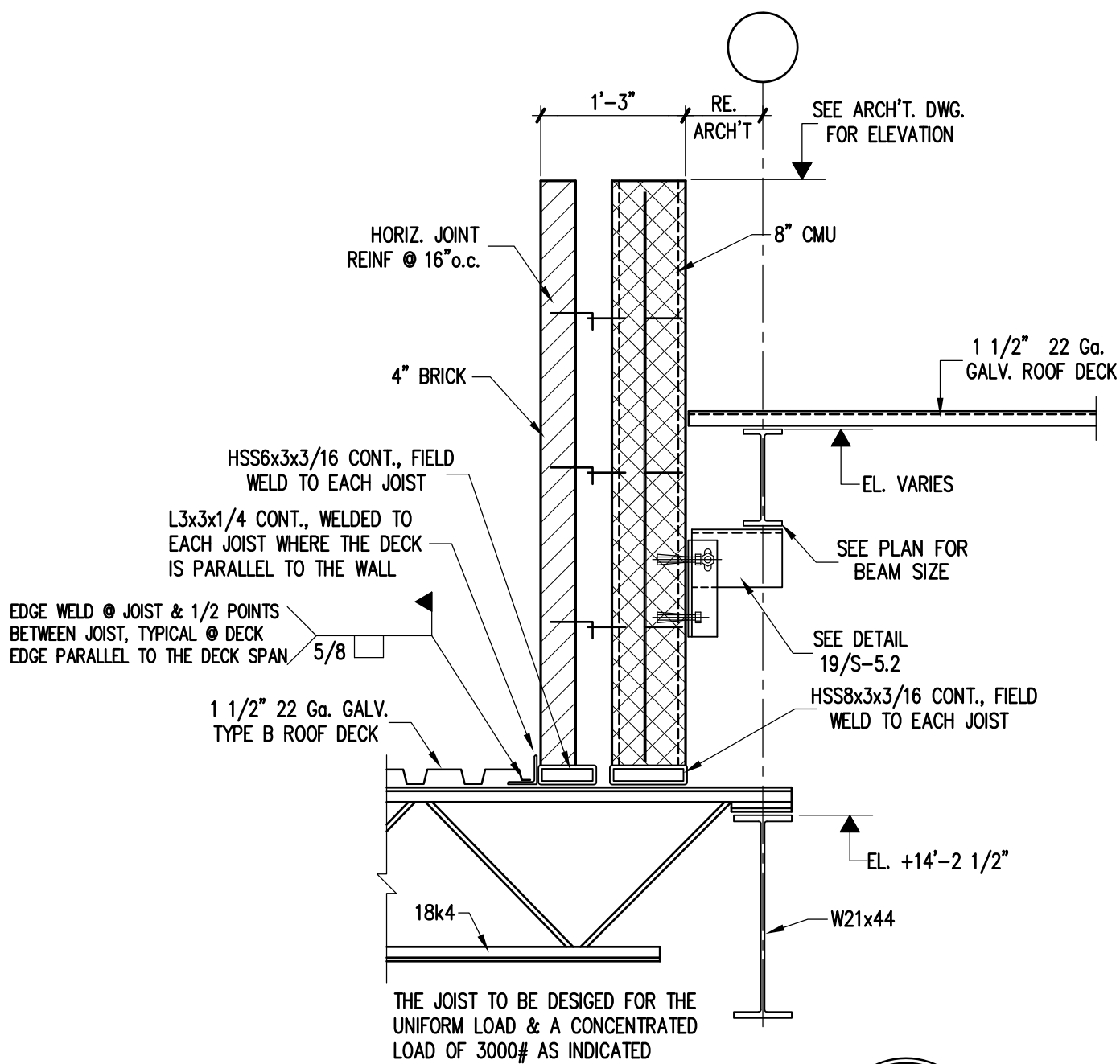
DATE
01/05/17

ADD 2
SKS-5



11720 Beltsville Drive
Suite 600
Calverton, MD 20705

www.grimmandparker.com

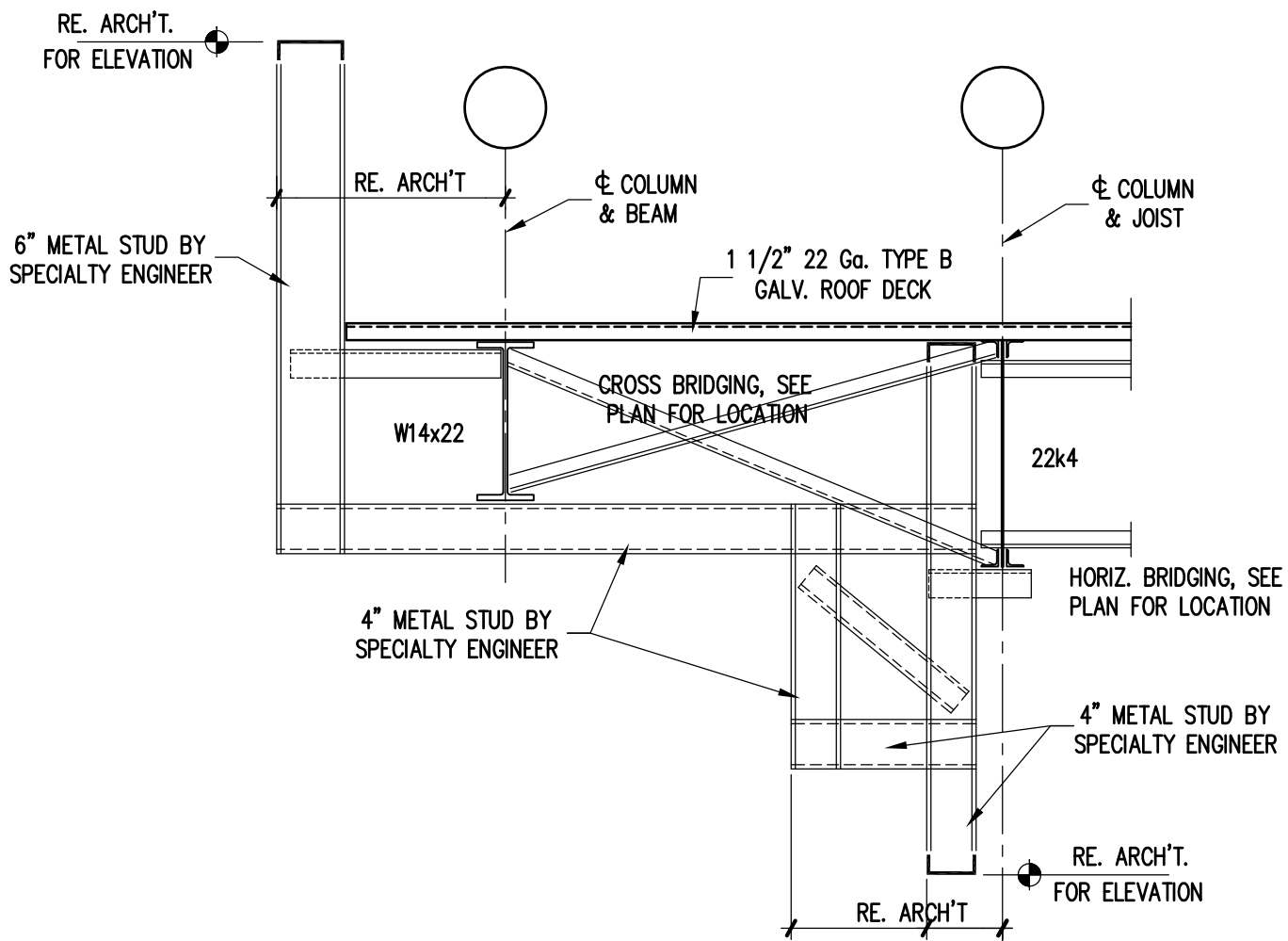


SECTION

7

SCALE: 3/4" = 1'-0"

S-4.5



SECTION

4

SCALE: 3/4" = 1'-0"

S-4.6

BUTTERFLY RIDGE ELEMENTARY SCHOOL
 REVISION TO SHEET; S-4.5 and S-4.6

SCALE
N.T.S.

DATE
01/05/17

ADD 2
SKS-6



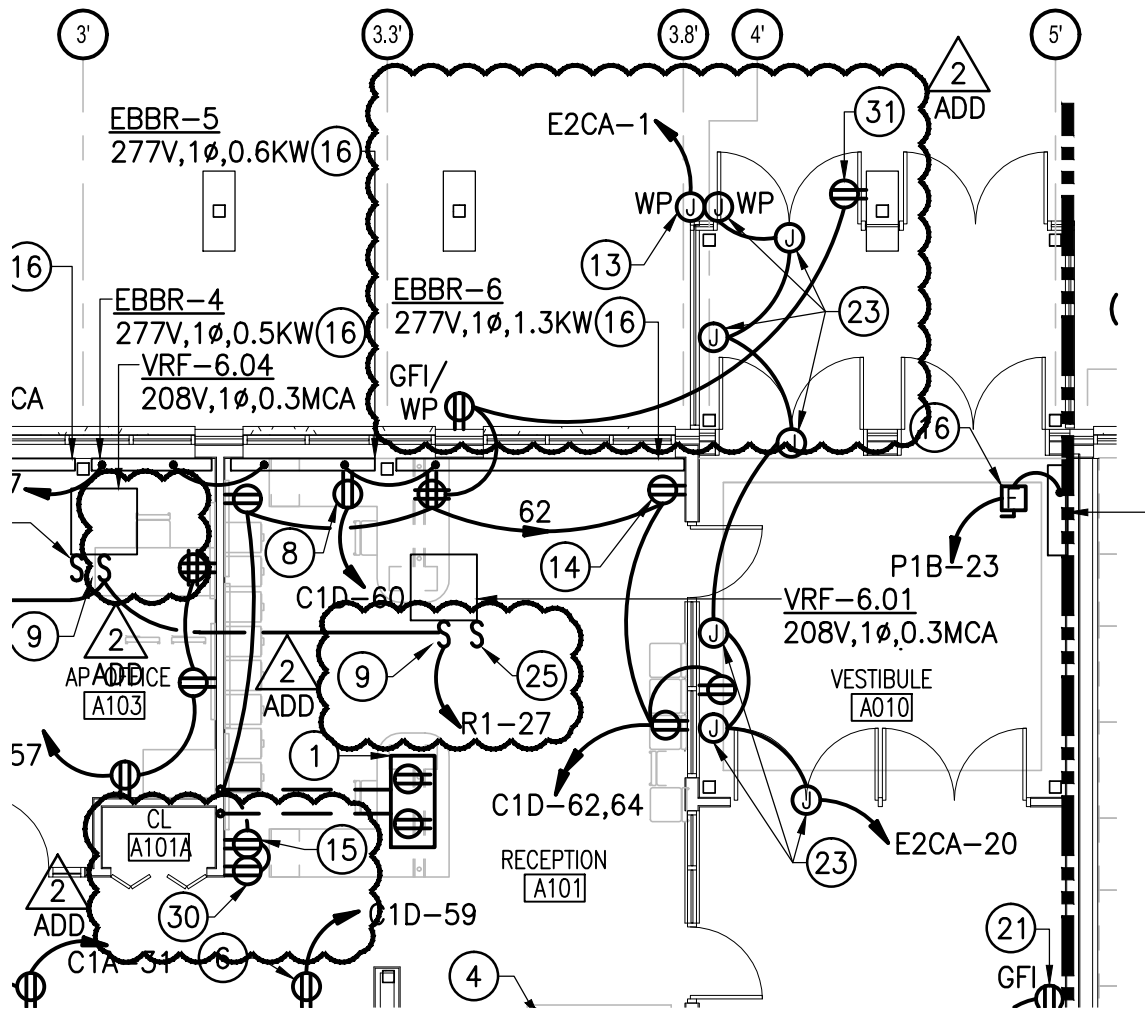
11720 Beltsville Drive
 Suite 600
 Calverton, MD 20705

www.grimmandparker.com

2
ADD

30 RECESS OUTLET IN WALL FOR ALERTUS SYSTEM AT 4'-0" AFF. COORDINATE WITH SECURITY DRAWINGS.

31 PROVIDE WP/GFI DUPLEX RECEPTACLE FOR BIRD-X ULTRASONIC EQUIPMENT. MOUNT 8'-0" TO BOTTOM OF BOX.



BUTTERFLY RIDGE ELEMENTARY SCHOOL
 REVISION TO DRAWING: E-1.1 - PARTIAL FIRST FLOOR PLAN - AREA A - POWER & SPECIAL SYSTEMS

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

DATE
01/04/17

ADD NO. 2
E-1.1.1

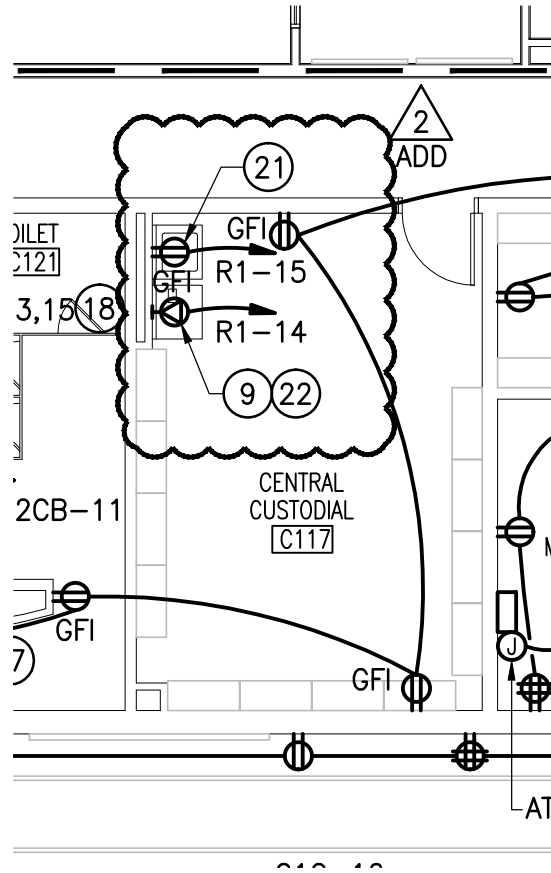


11720 Beltsville Drive
 Suite 600
 Calverton, MD 20705

1355 Beverly Road
 Suite 105
 McLean, VA 22101

Tel 301.595.1000
 Fax 301.595.0089

Tel 703.903.9100
 Fax 703.903.9755



BUTTERFLY RIDGE ELEMENTARY SCHOOL

REVISION TO DRAWING: E-1.4 - PARTIAL FIRST FLOOR PLAN - AREA C2 - POWER & SPECIAL SYSTEMS

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

DATE

01/04/17

ADD NO. 2

E-1.4.1

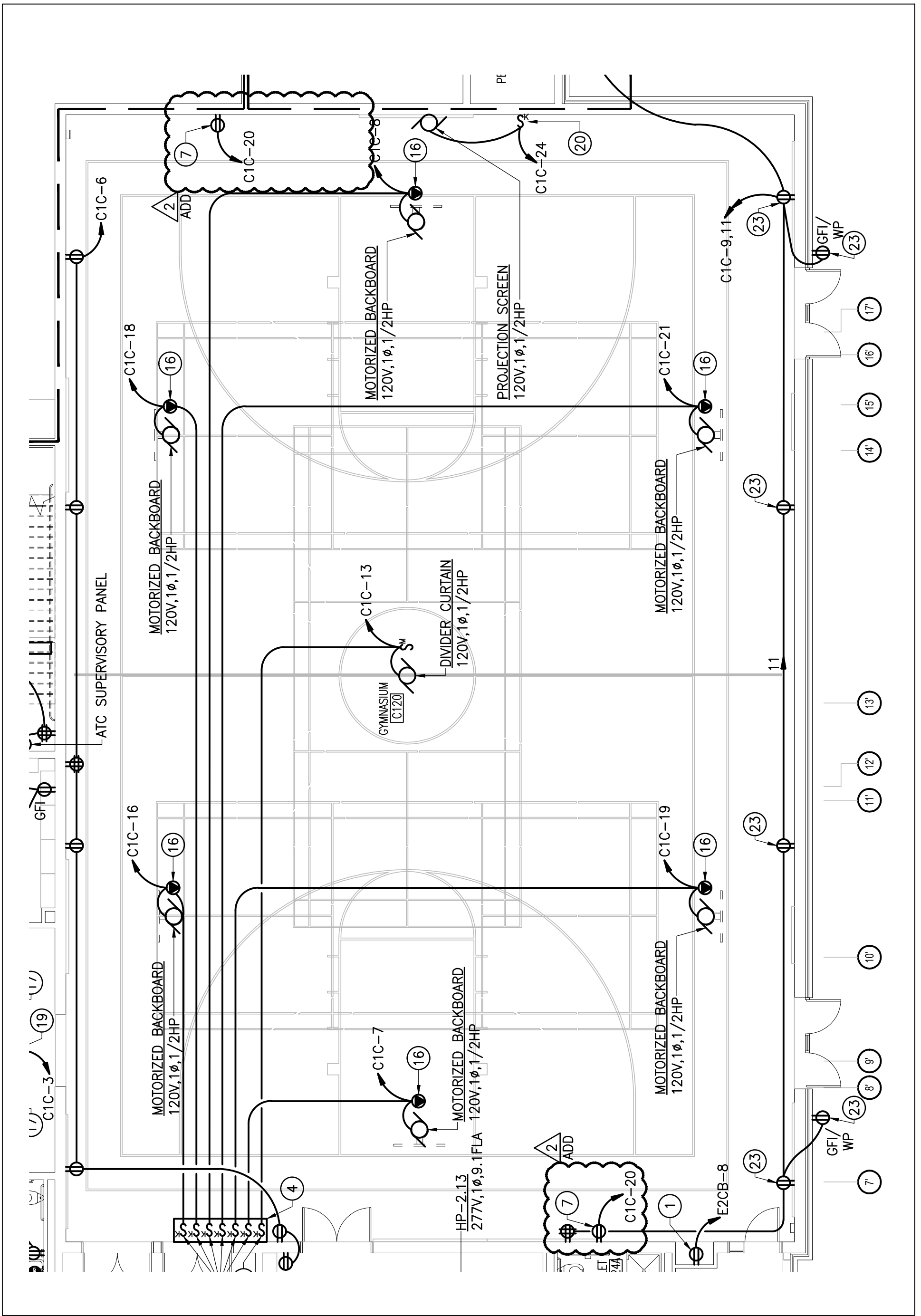


11720 Beltsville Drive
Suite 600
Calverton, MD 20705

1355 Beverly Road
Suite 105
McLean, VA 22101

Tel 301.595.1000
Fax 301.595.0089

Tel 703.903.9100
Fax 703.903.9755



BUTTERFLY RIDGE ELEMENTARY SCHOOL
 REVISION TO DRAWING: E-1.4 - PARTIAL FIRST FLOOR PLAN - AREA C2 - POWER & SPECIAL SYSTEMS

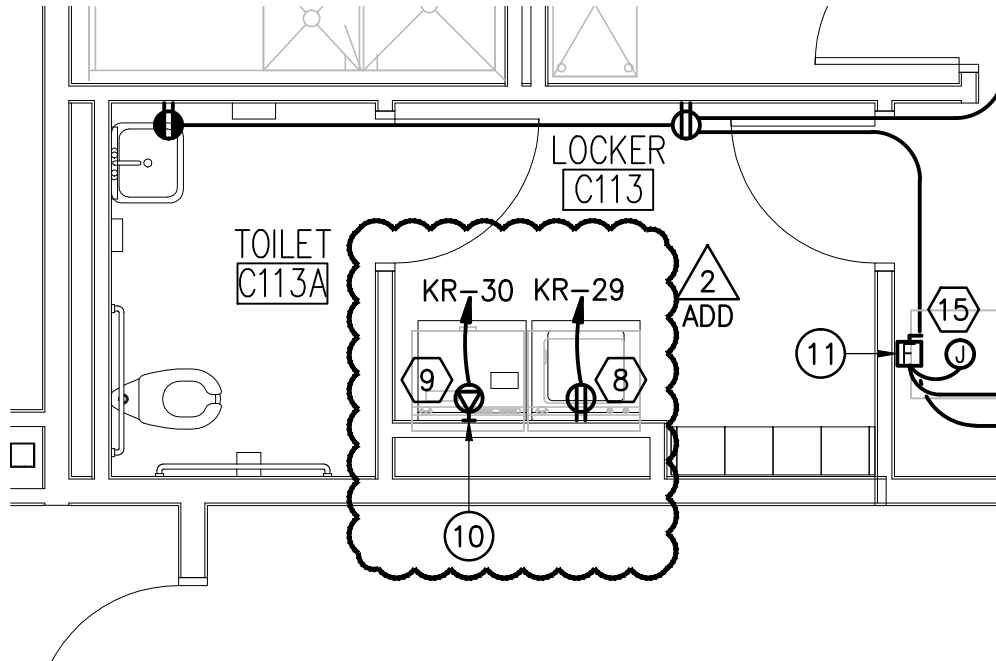
SCALE: 1/8" = 1'-0"

DATE: 01/04/17

ADD NO. 2
E-1.4.2



11720 Beltsville Drive Suite 600 Calverton, MD 20705	1355 Beverly Road Suite 105 McLean, VA 22101
Tel 301.595.1000 Fax 301.595.0089	Tel 703.903.9100 Fax 703.903.9755



BUTTERFLY RIDGE ELEMENTARY SCHOOL
 REVISION TO DRAWING: E-4.2 - PART PLAN - KITCHEN C112 - POWER

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

DATE
01/04/17

ADD NO. 2
E-4.2.1

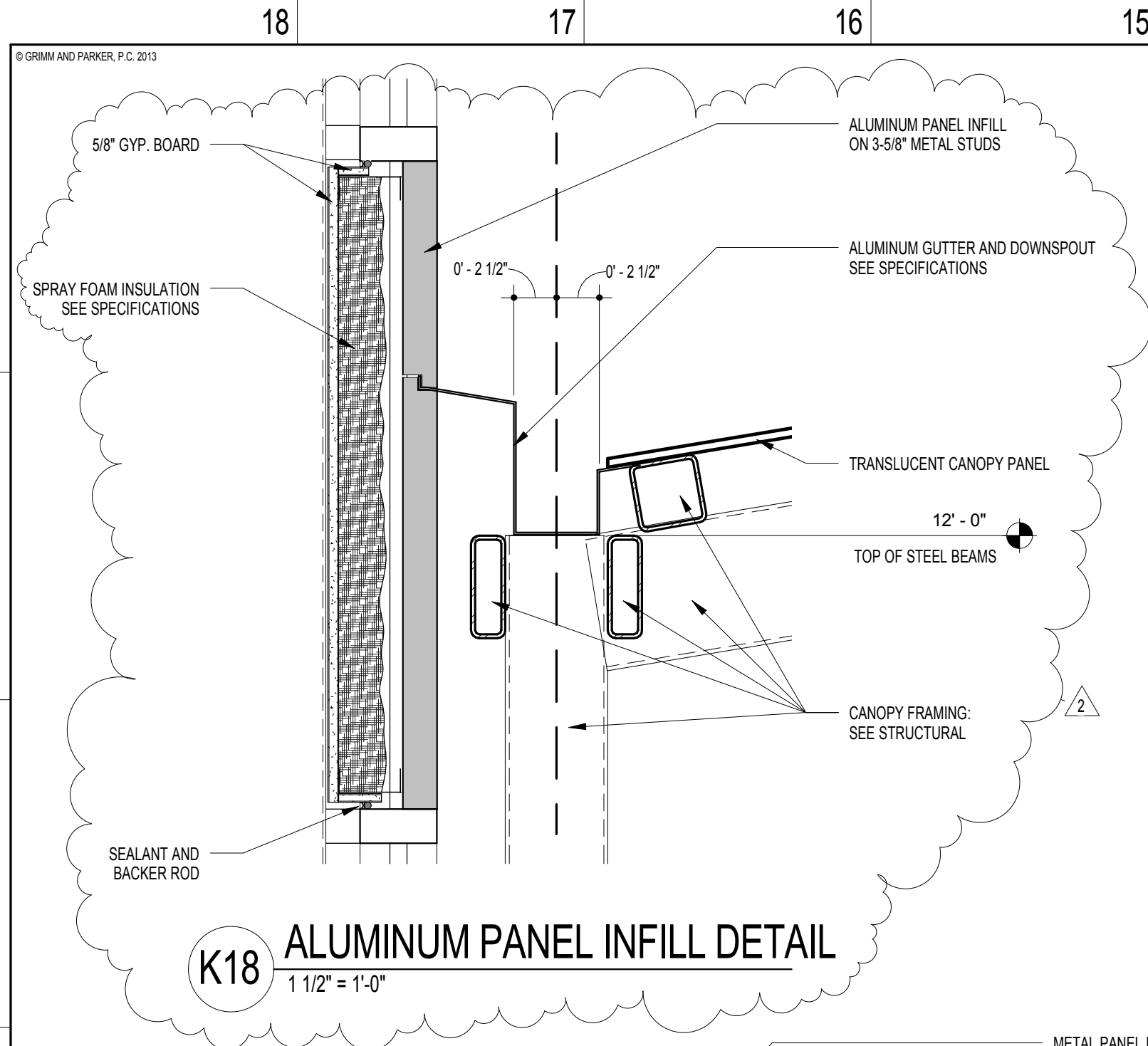


11720 Beltsville Drive
 Suite 600
 Calverton, MD 20705

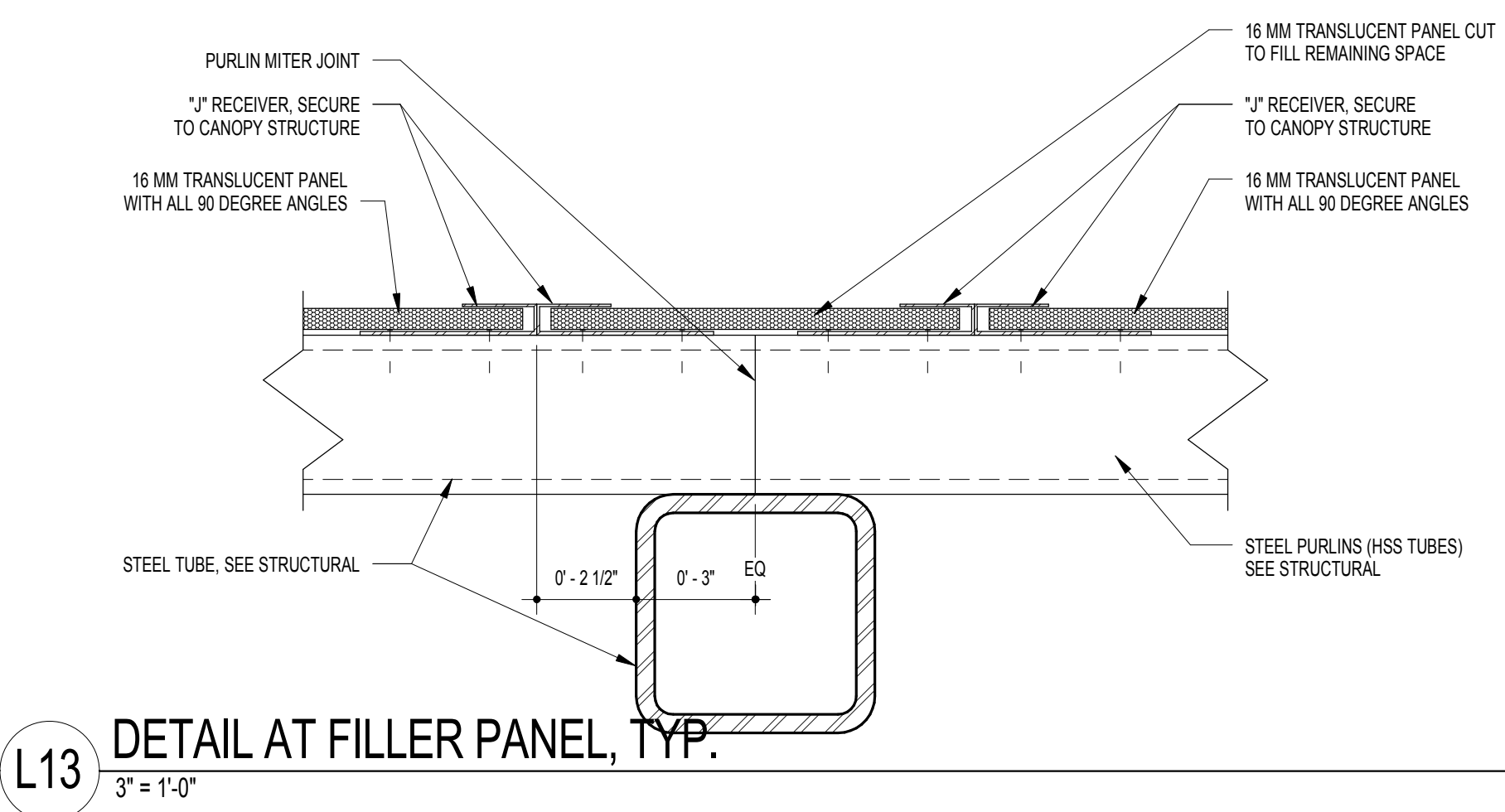
1355 Beverly Road
 Suite 105
 McLean, VA 22101

Tel 301.595.1000
 Fax 301.595.0089

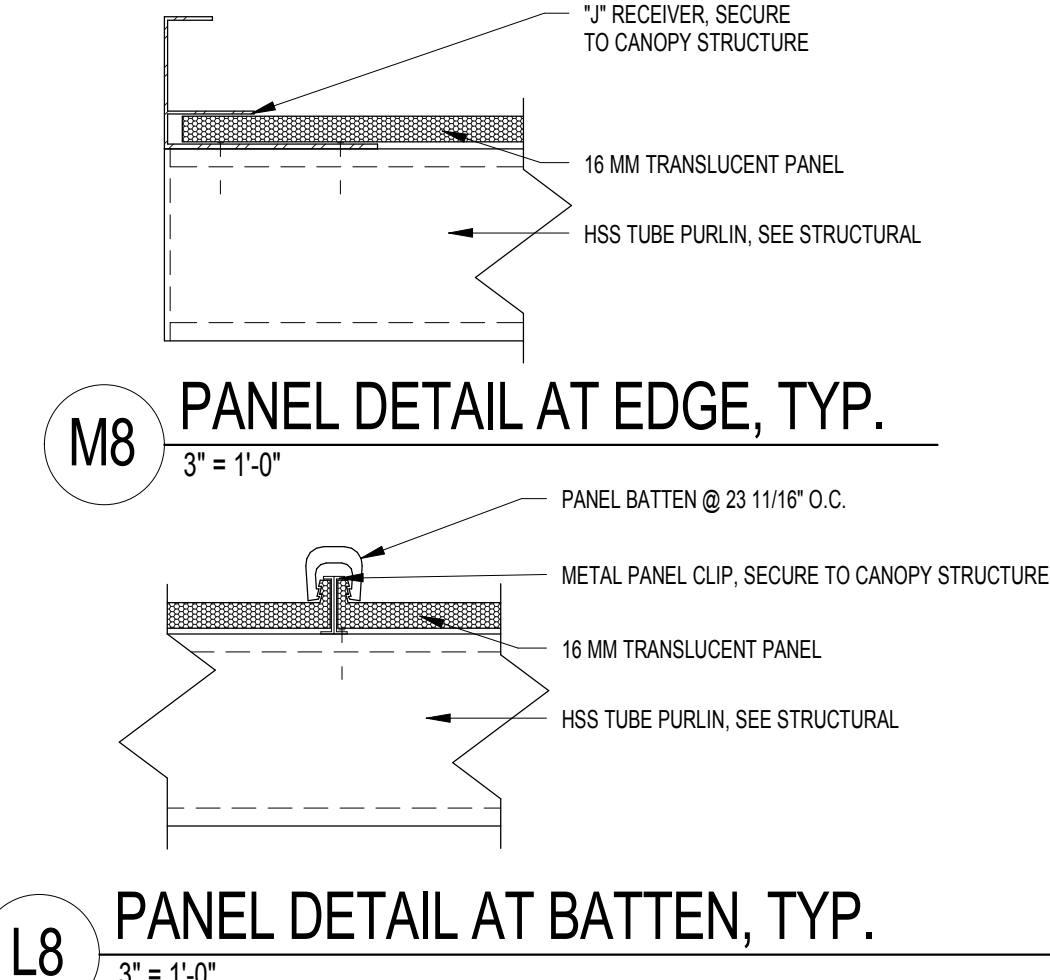
Tel 703.903.9100
 Fax 703.903.9755



K18 ALUMINUM PANEL INFILL DETAIL
1 1/2" = 1'-0"

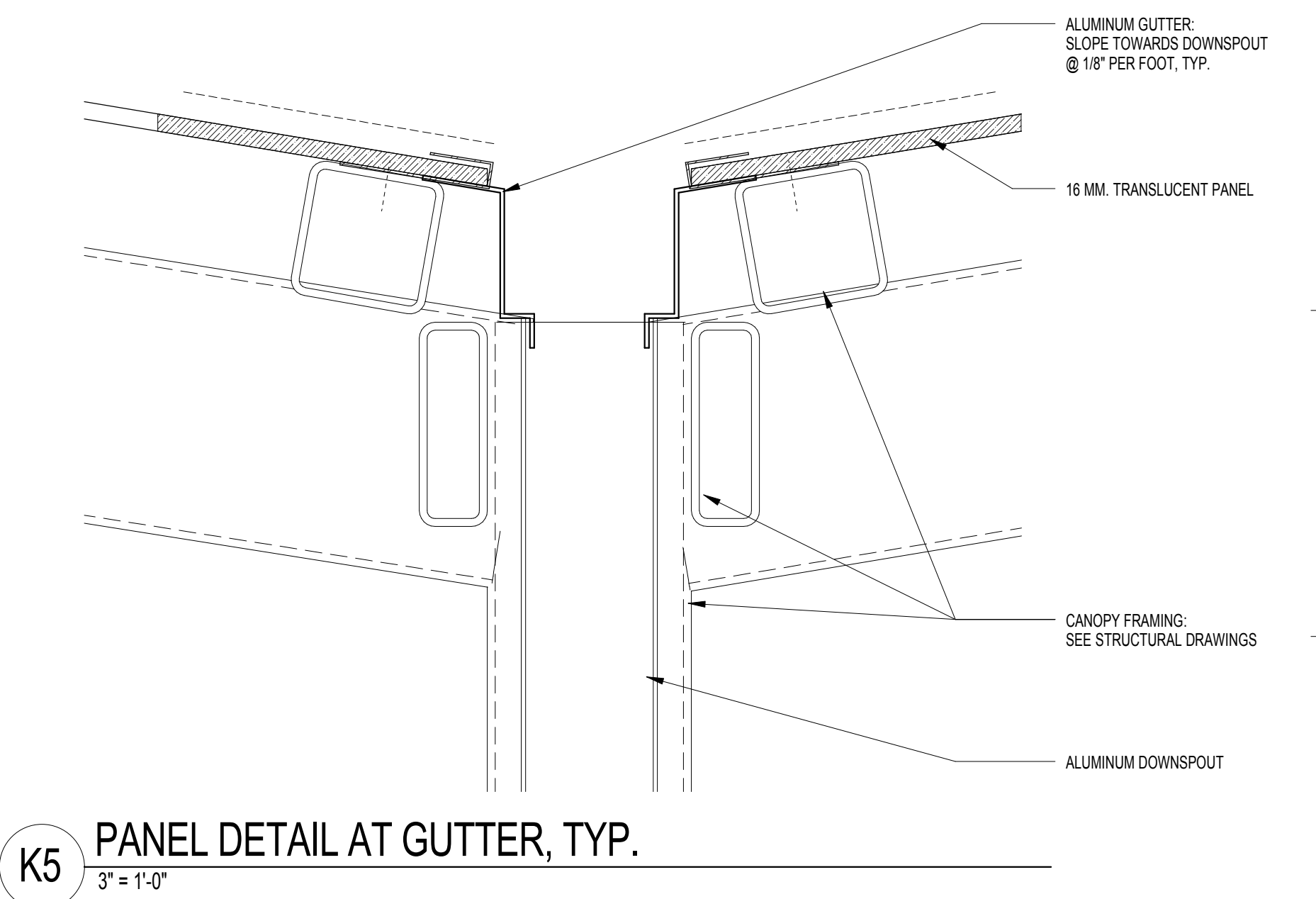


L13 DETAIL AT FILLER PANEL, TYP.
3" = 1'-0"

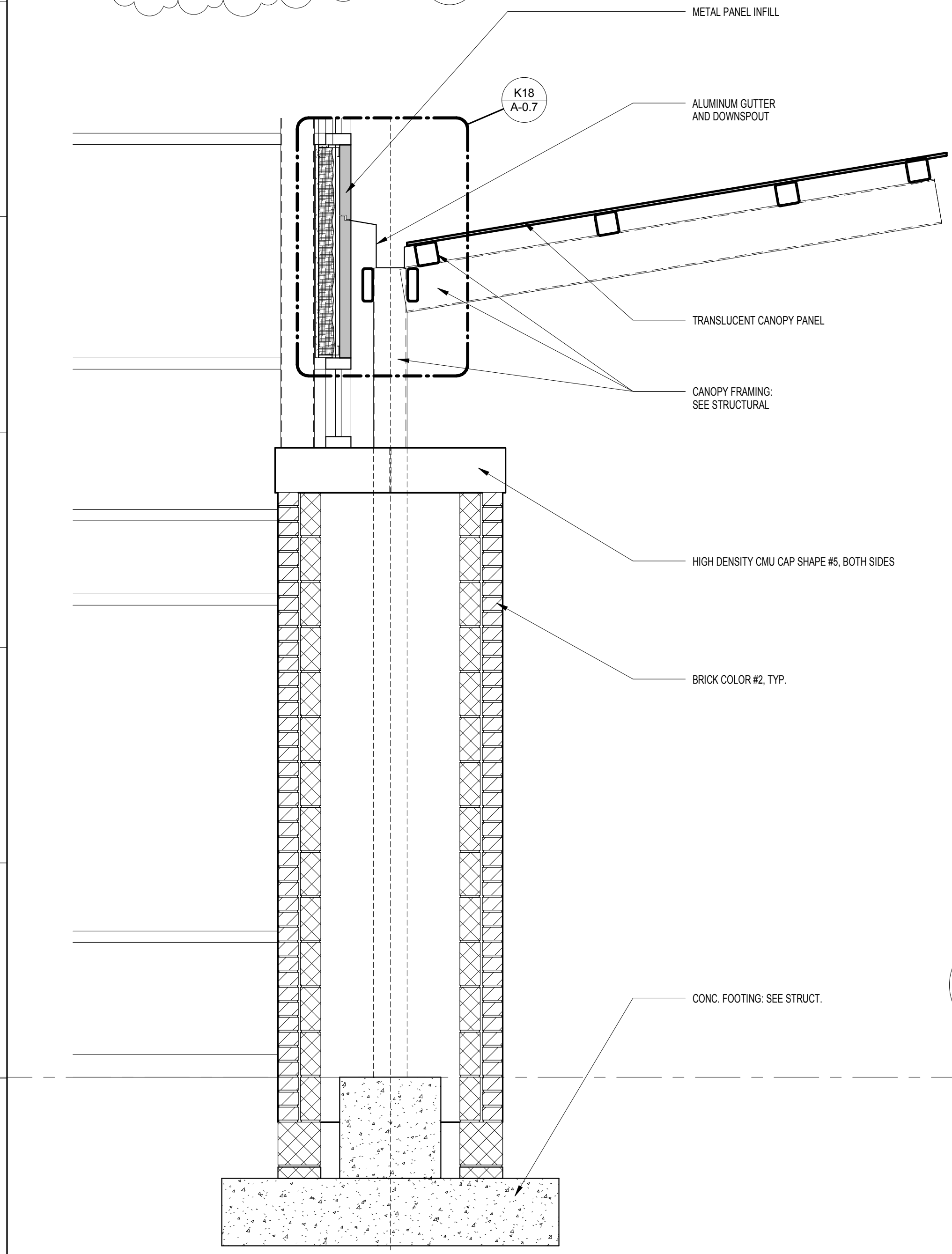


M8 PANEL DETAIL AT EDGE, TYP.
3" = 1'-0"

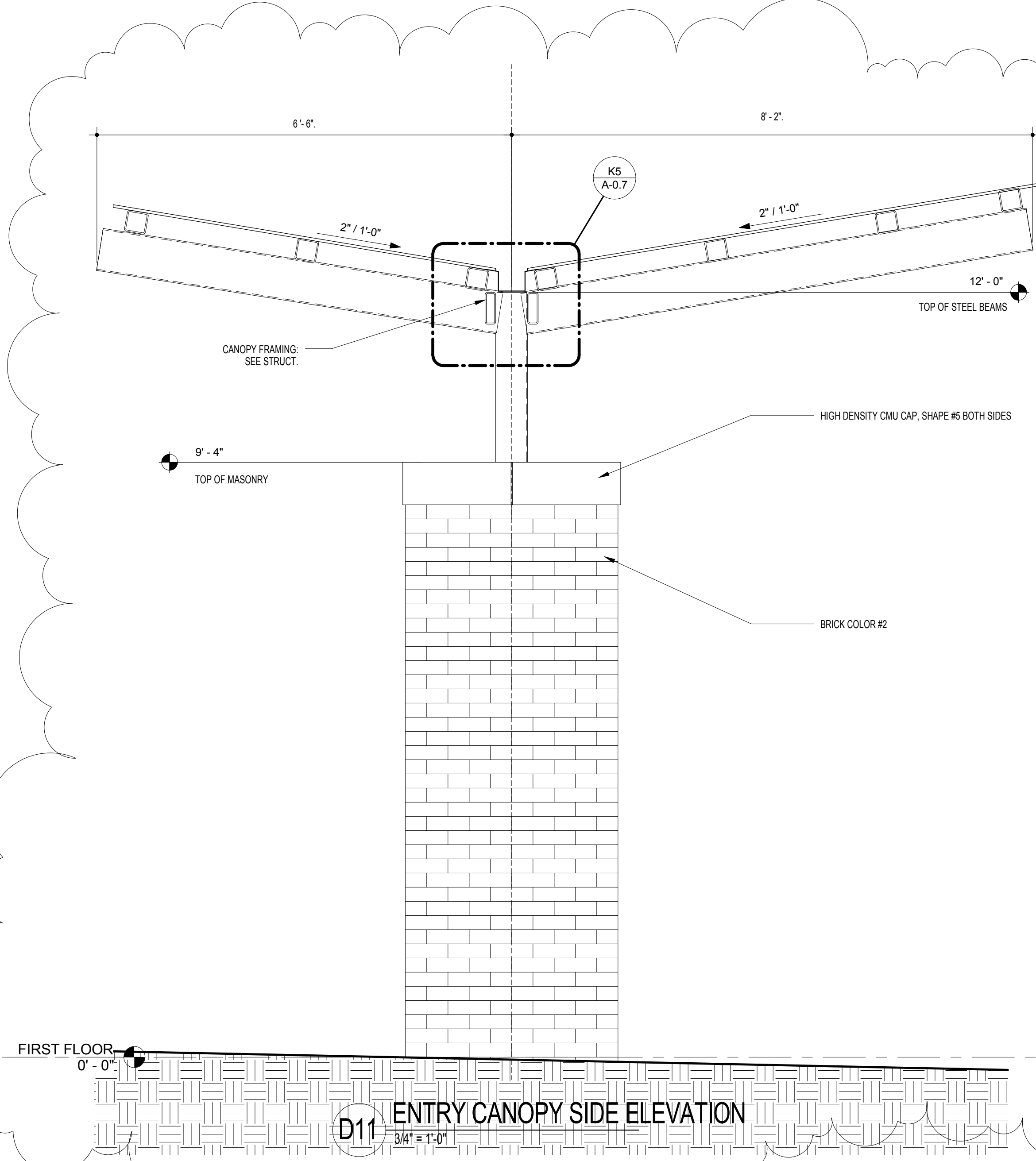
L8 PANEL DETAIL AT BATTEN, TYP.
3" = 1'-0"



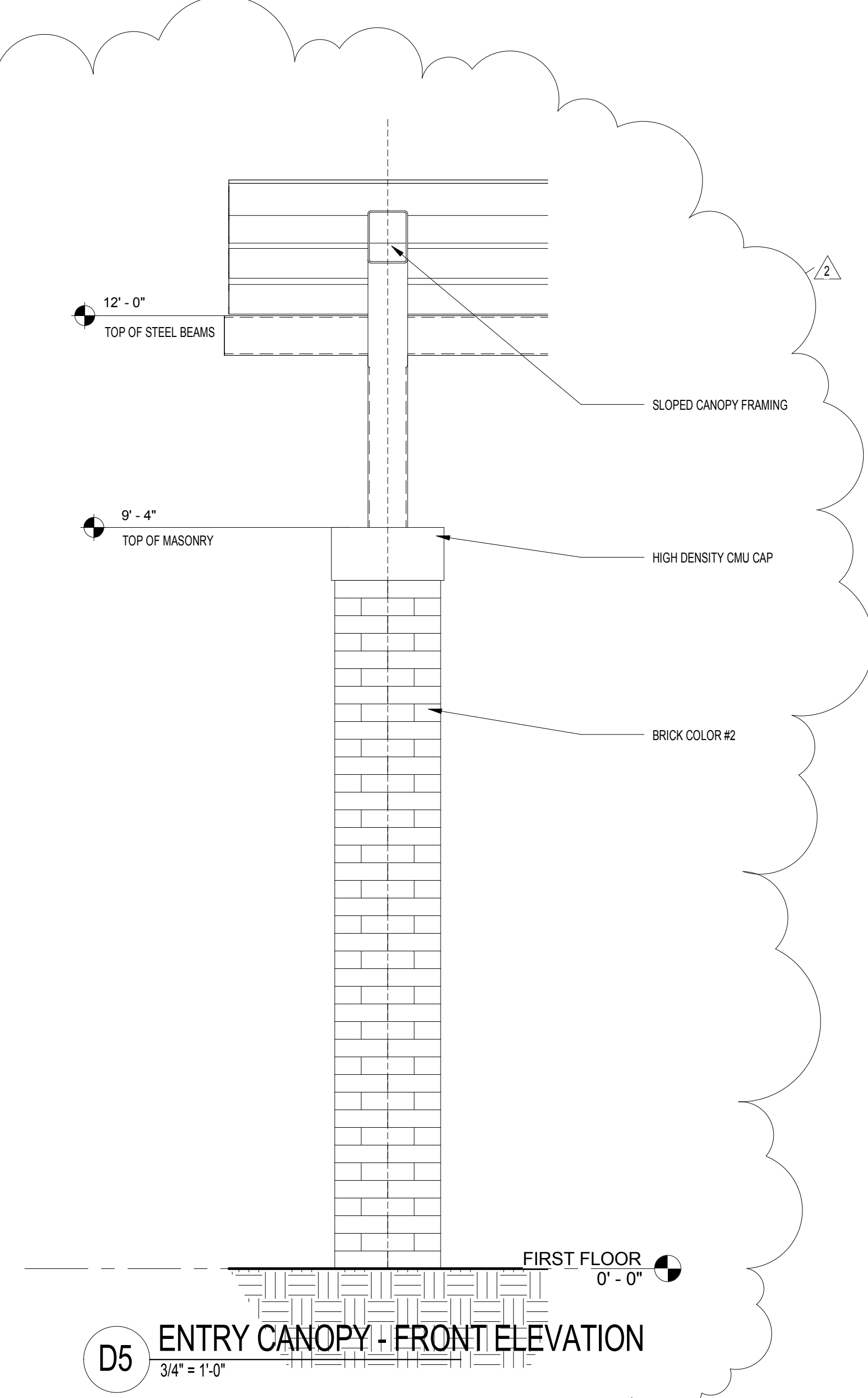
K5 PANEL DETAIL AT GUTTER, TYP.
3" = 1'-0"



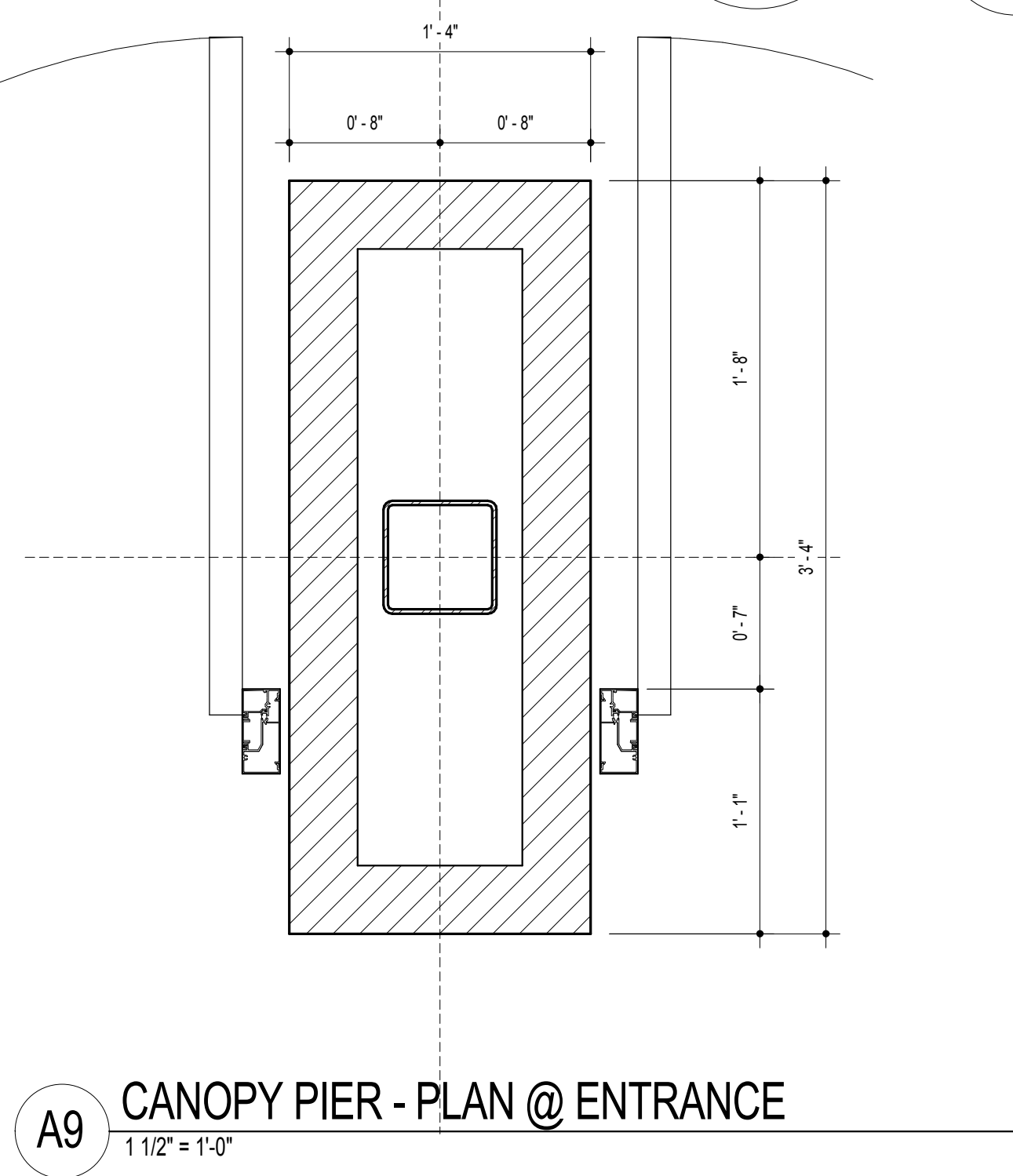
D18 CANOPY @ ENTRANCE
3/4" = 1'-0"



D11 ENTRY CANOPY SIDE ELEVATION
3/4" = 1'-0"



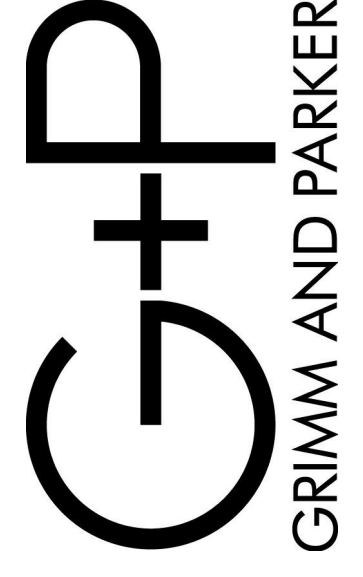
D5 ENTRY CANOPY - FRONT ELEVATION
3/4" = 1'-0"



A9 CANOPY PIER - PLAN @ ENTRANCE
1 1/2" = 1'-0"

PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM
DULY LICENSED ARCHITECT UNDER THE LAWS OF
THE STATE OF MARYLAND
LICENSE NUMBER 1007
EXPIRATION DATE 11/30/2018

11720 Beltsville Drive
Suite 600
Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com

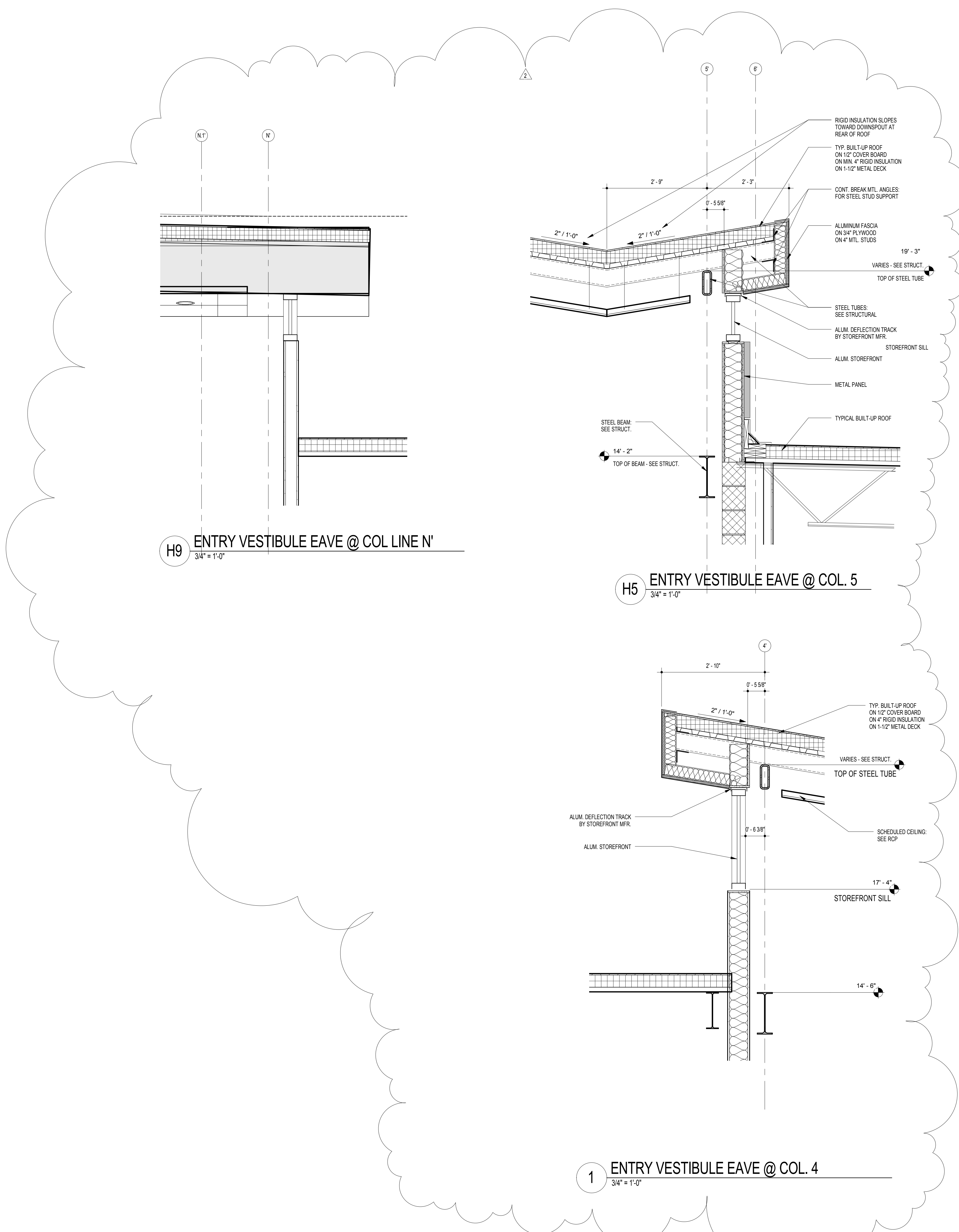


GP #21450

CANOPY DETAILS
BUTTERLY RIDGE ELEMENTARY SCHOOL
FREDERICK COUNTY, MARYLAND

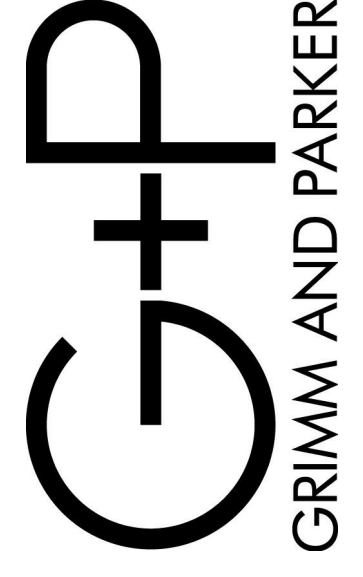
DATE	DESCRIPTION
01/06/17	ADDENDUM 2

A-0.7
12/01/2016
BID SET



PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM
DULY LICENSED ARCHITECT UNDER THE LAWS OF
THE STATE OF MARYLAND
LICENSE NUMBER 1007
EXPIRATION DATE 11/08

11720 Beltsville Drive
Suite 600
Calverton, MD 20705
Tel: 301.595.1000
www.grimmundparker.com

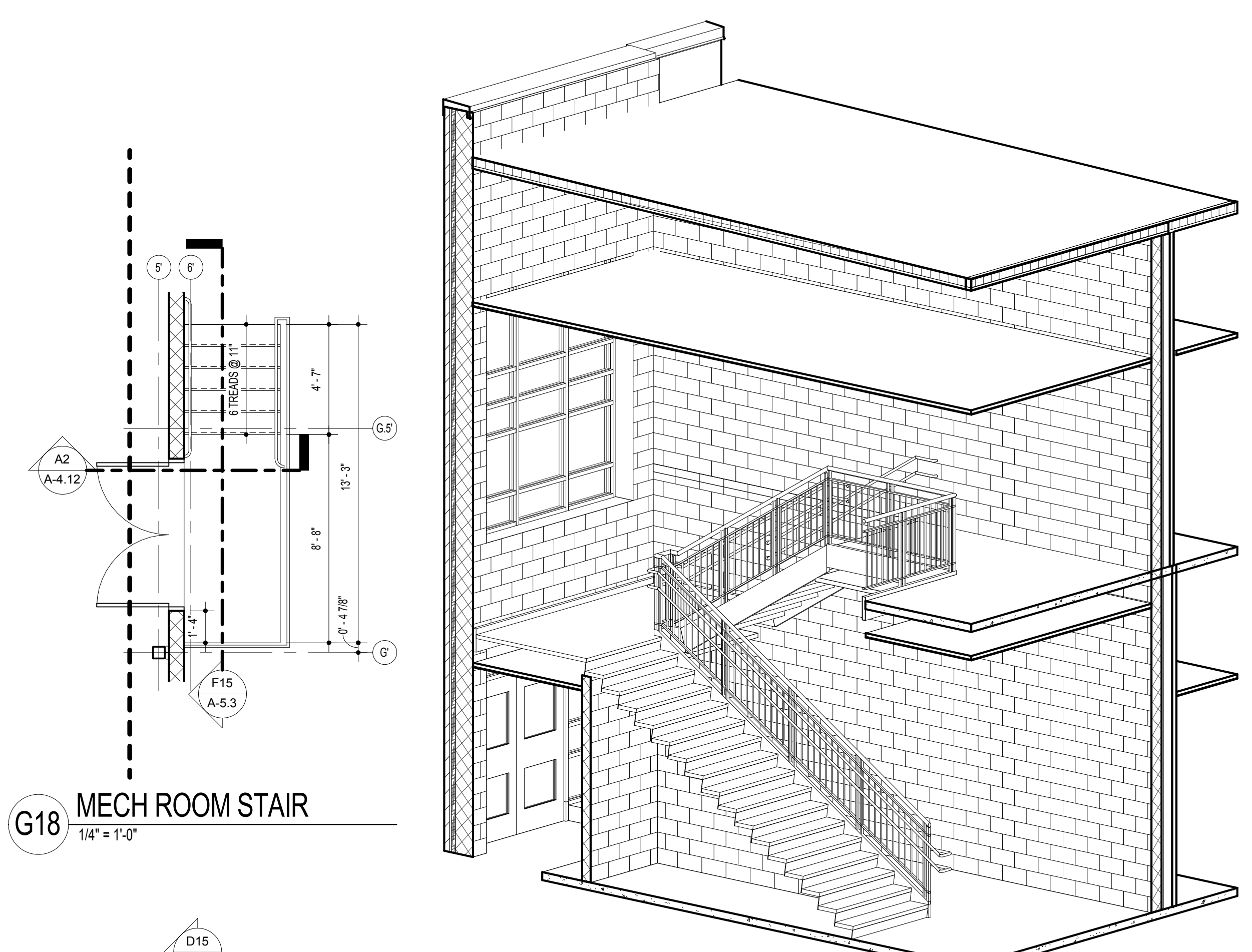


GP #21450

ROOF DETAILS
BUTTERFLY RIDGE ELEMENTARY SCHOOL
FREDERICK COUNTY, MARYLAND

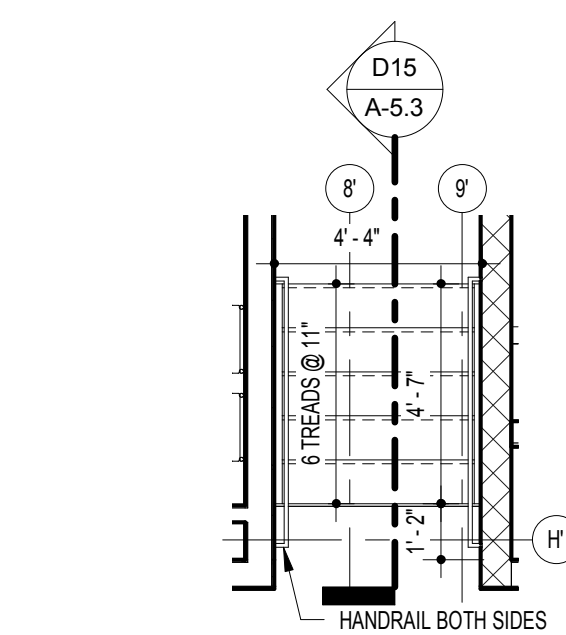
DATE	DESCRIPTION
01/06/17	ADDENDUM 2

A-1.12
12/01/2016
BID SET

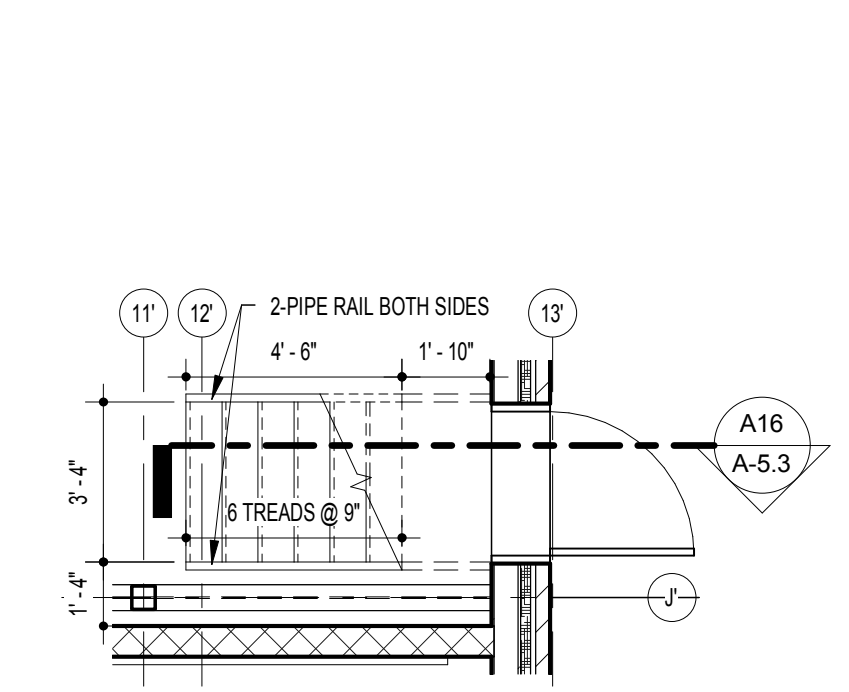


2 AXON-STAIR S4

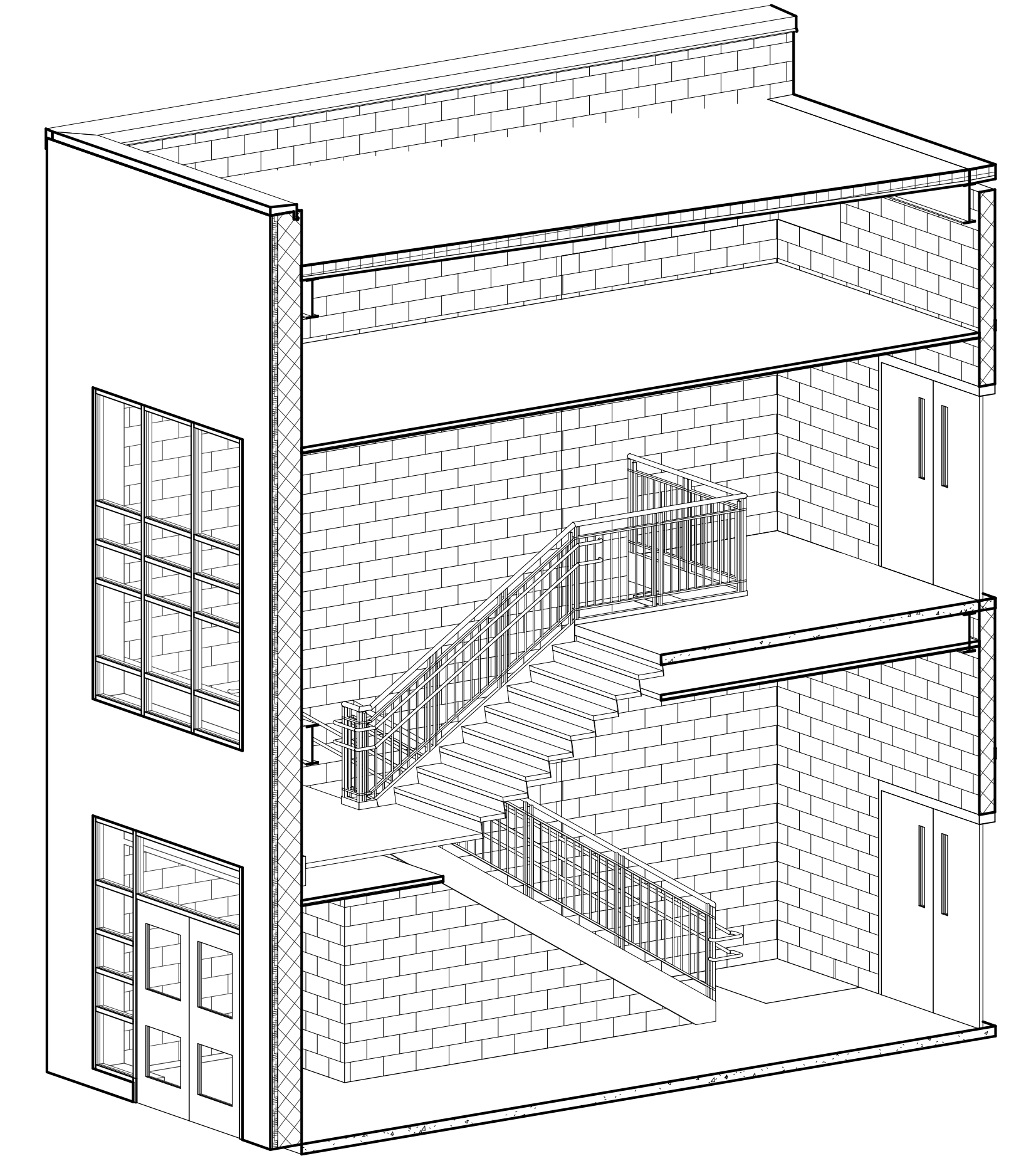
G18 MECH ROOM STAIR
1/4" = 1'-0"



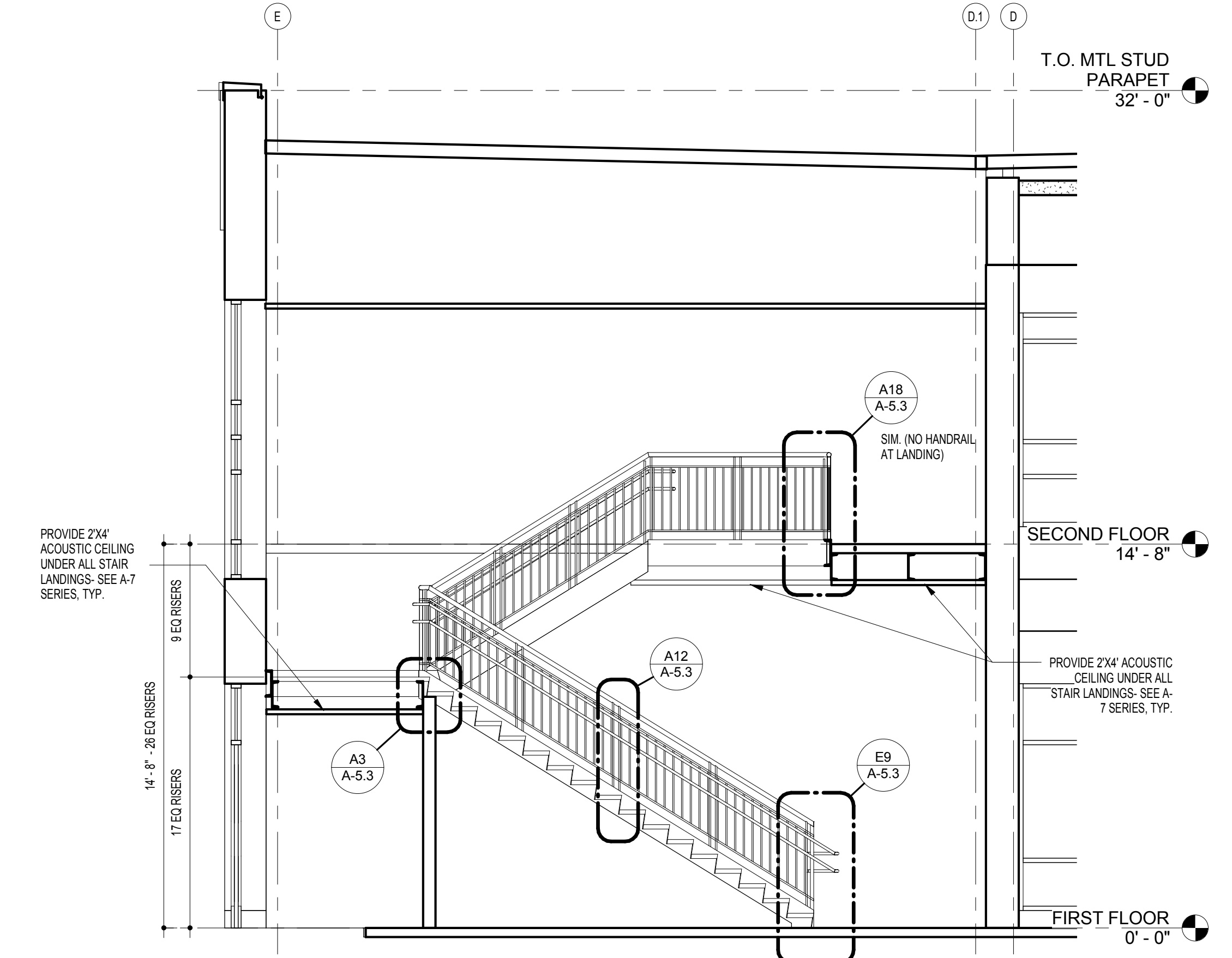
E18 MECH ROOM STAIR 2
1/4" = 1'-0"



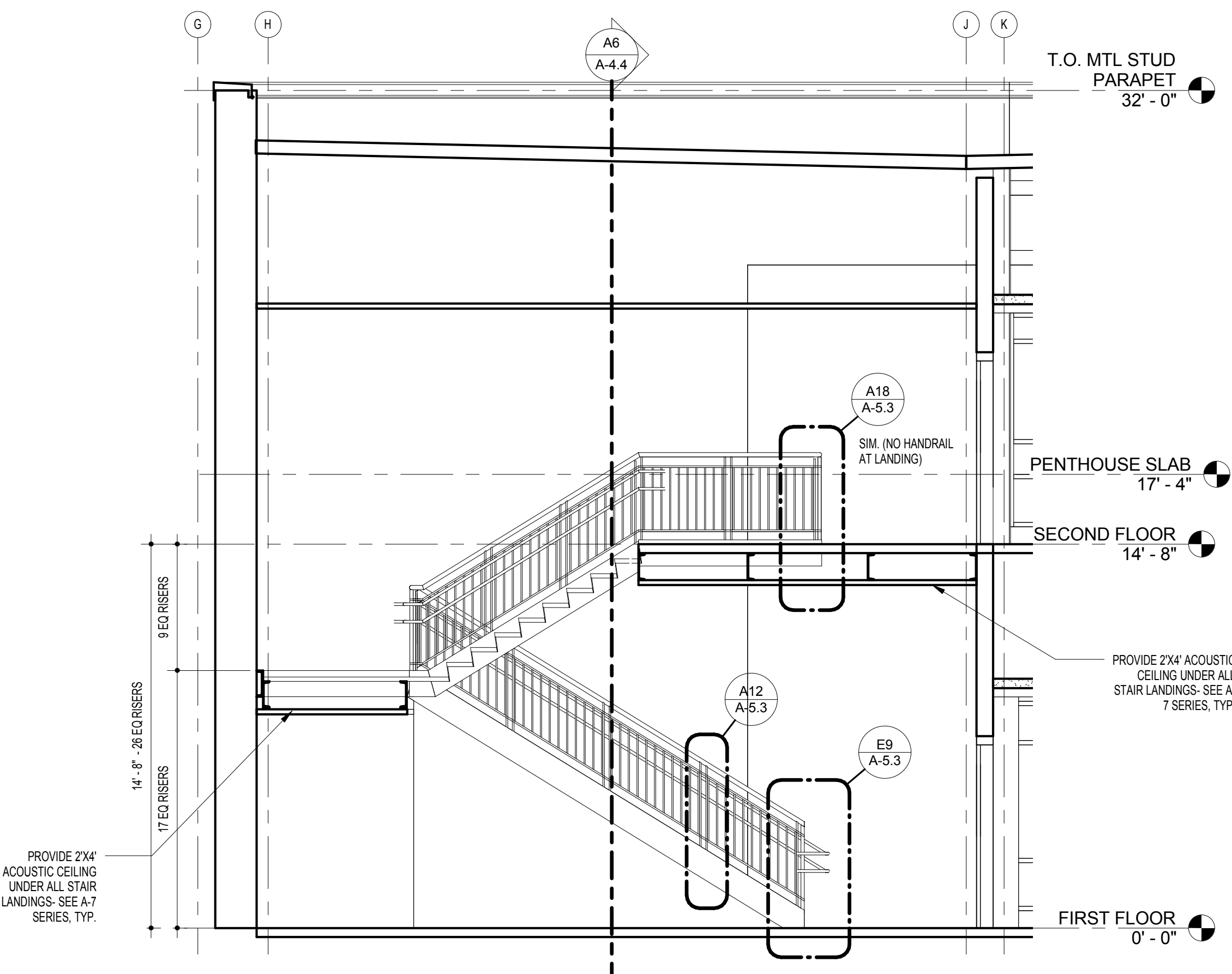
C18 MECH ROOM STAIR 3
1/4" = 1'-0"



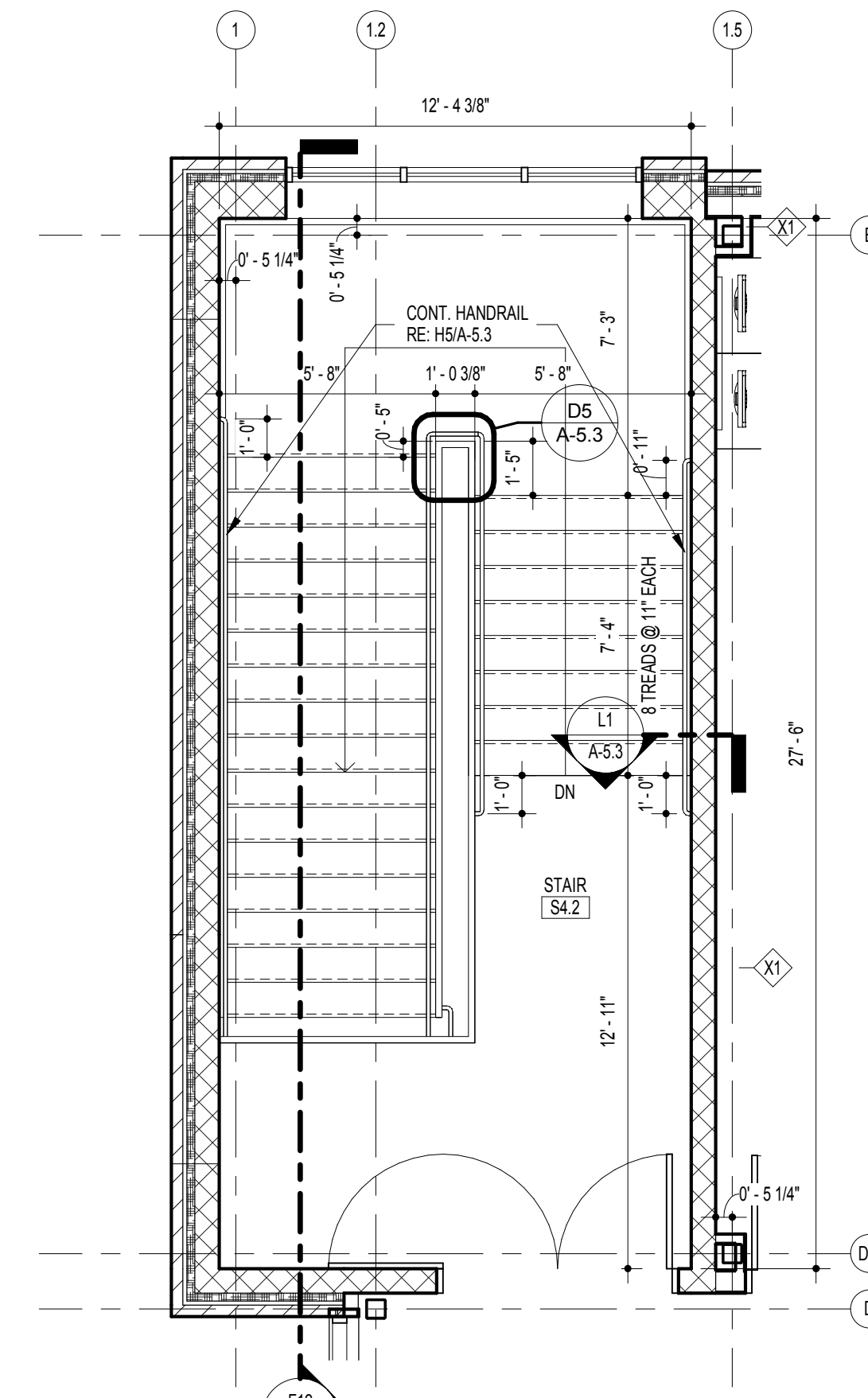
1 AXON-STAIR S2



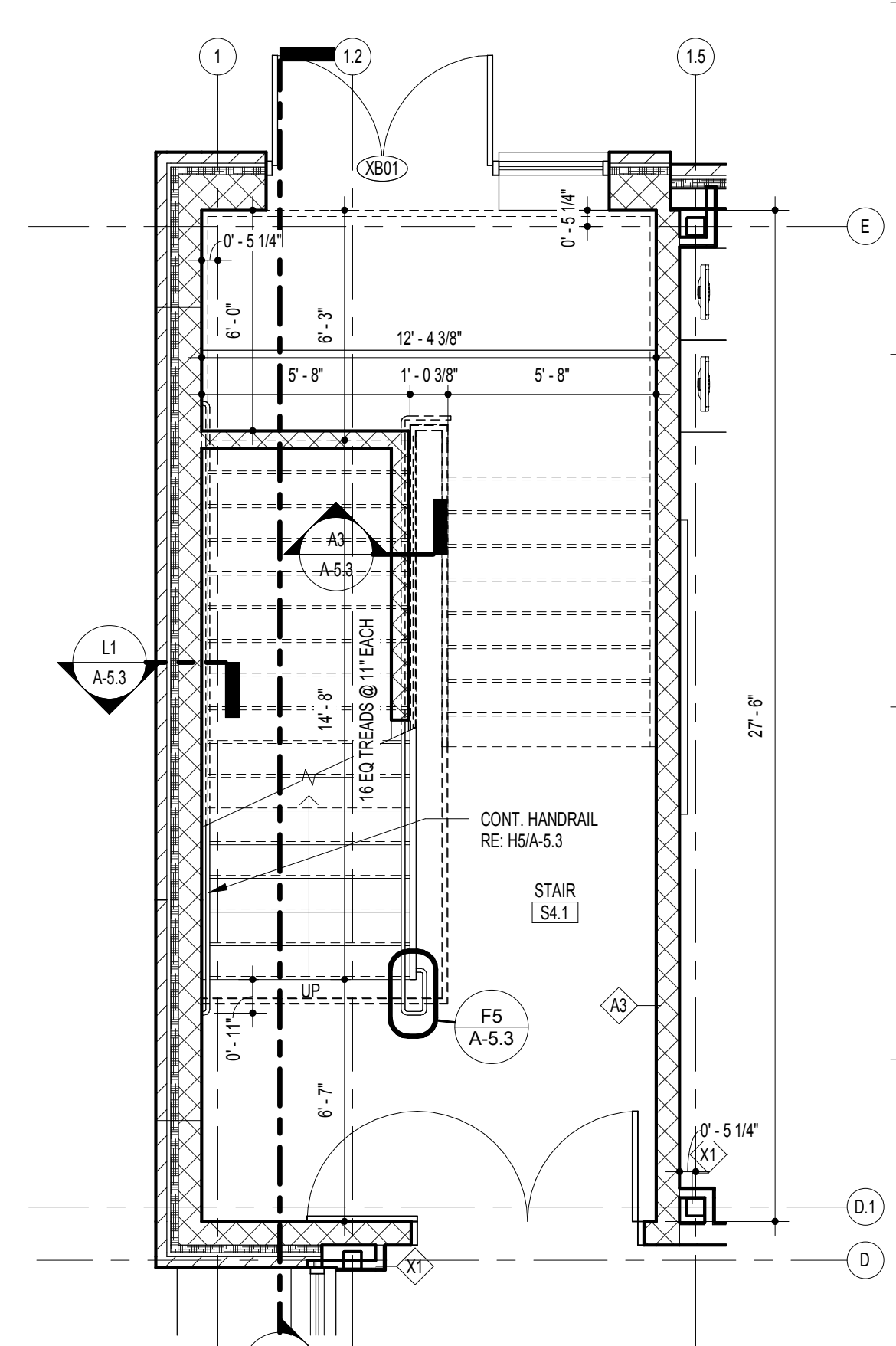
F12 SECTION-STAIR S4
1/4" = 1'-0"



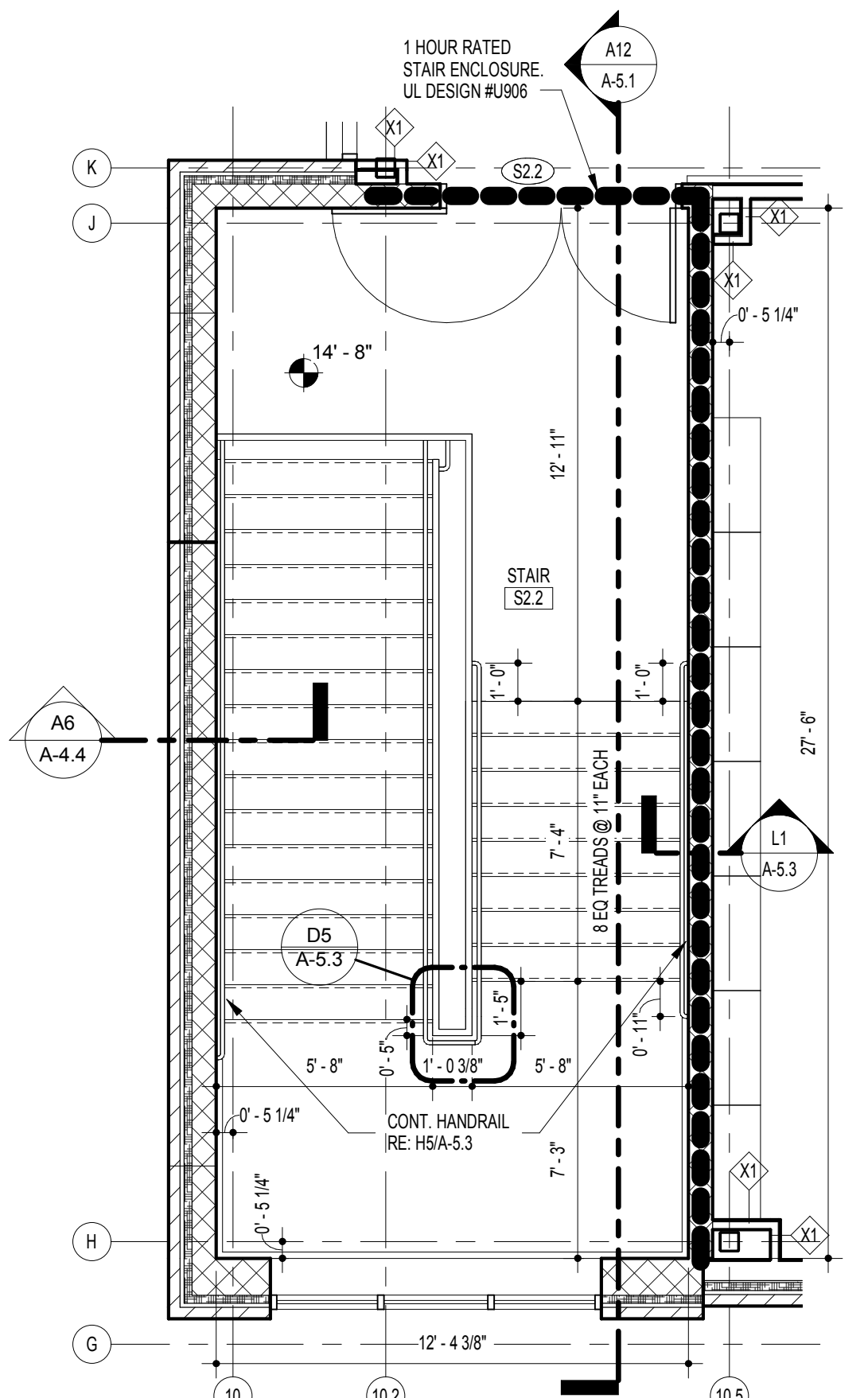
A12 SECTION-STAIR S2
1/4" = 1'-0"



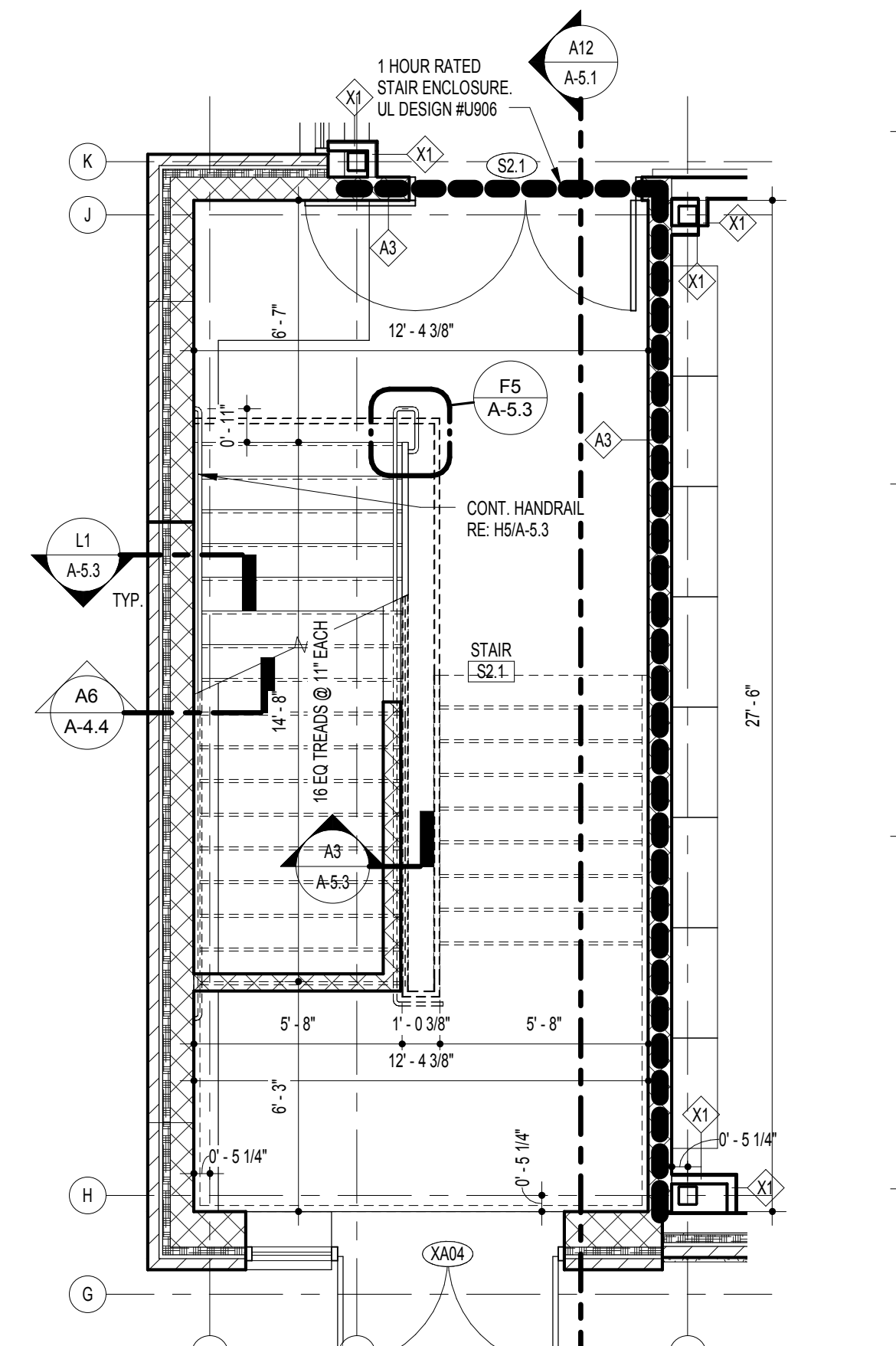
F7 STAIR S4- SECOND FLOOR
1/4" = 1'-0"



F4 STAIR S4- FIRST FLOOR
1/4" = 1'-0"



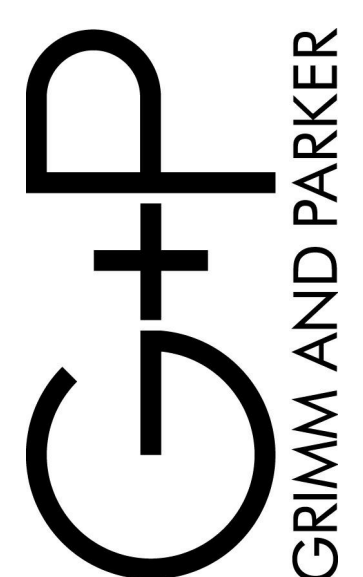
A7 STAIR S2- SECOND FLOOR
1/4" = 1'-0"



A4 STAIR S2- FIRST FLOOR
1/4" = 1'-0"

PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM
A LICENSED ARCHITECT UNDER THE LAWS OF
THE STATE OF MARYLAND
LICENSE NUMBER 1007
EXPIRATION DATE 11/30/2016

11720 Beltsville Drive
Suite 600
Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com

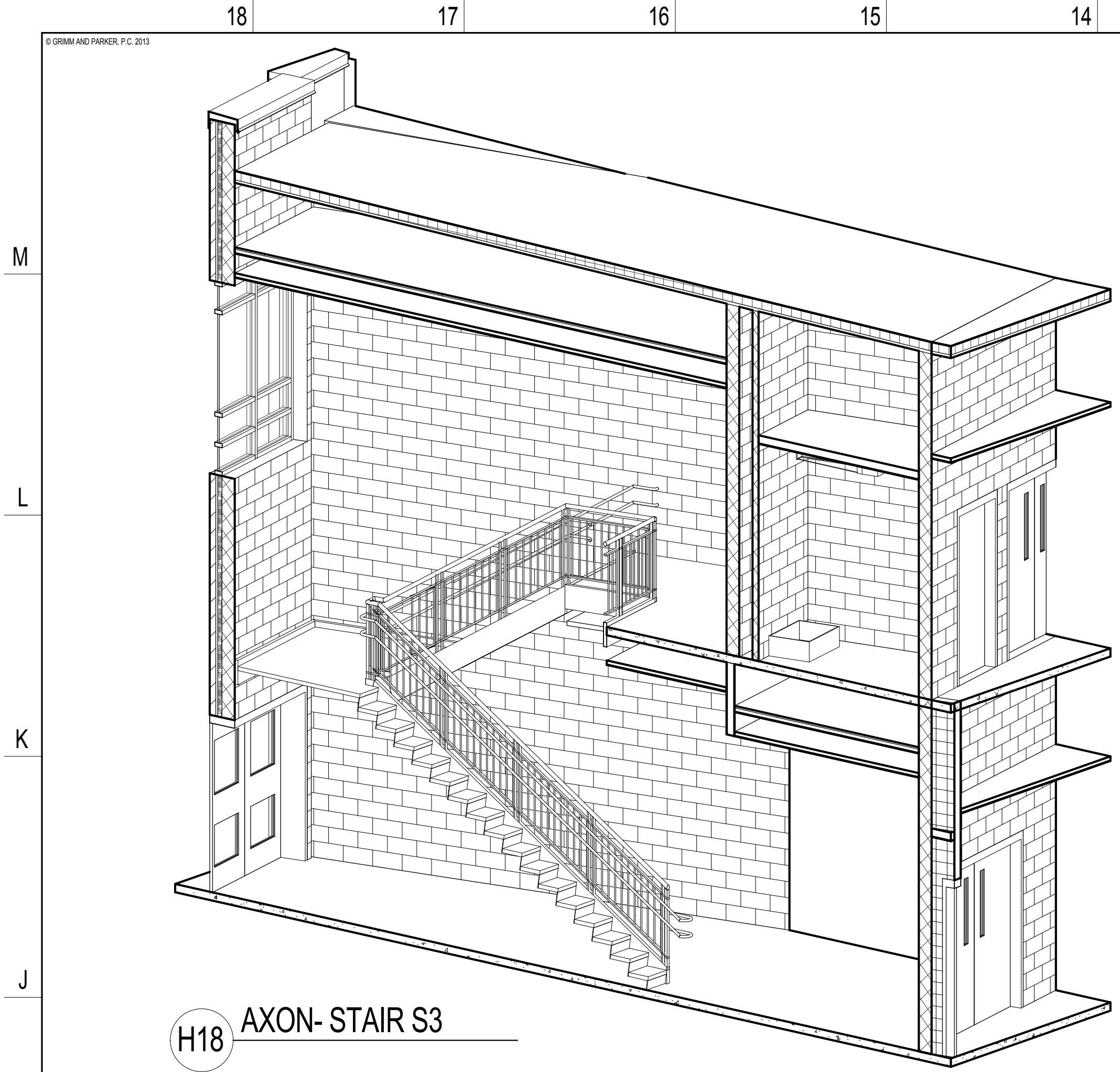


GP #21450

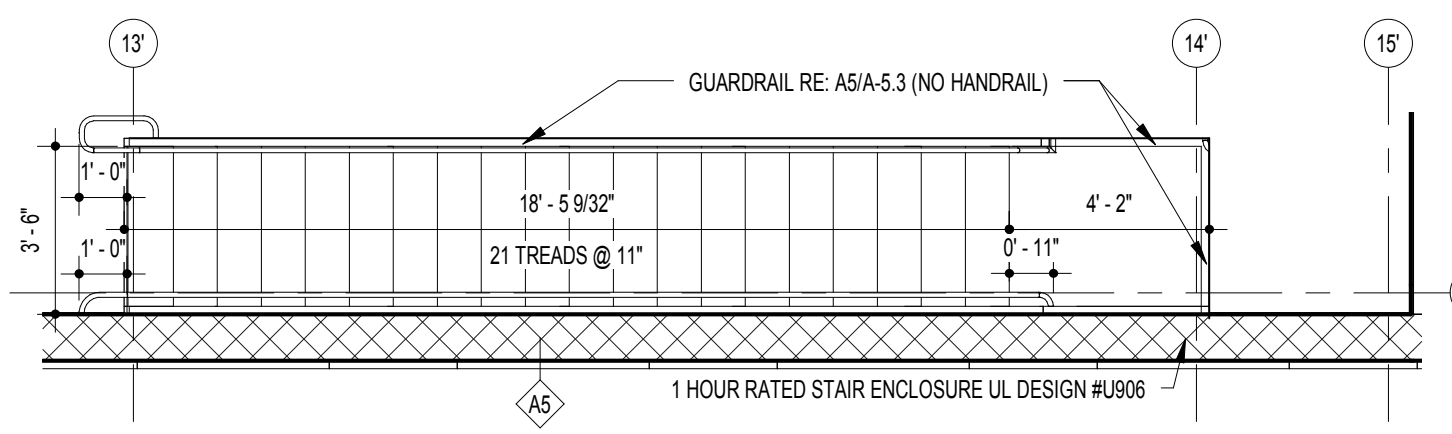
STAIR PLANS AND SECTIONS
BUTTERFLY RIDGE ELEMENTARY SCHOOL
FREDERICK COUNTY, MARYLAND

DATE	DESCRIPTION
01/06/17	ADDENDUM 2

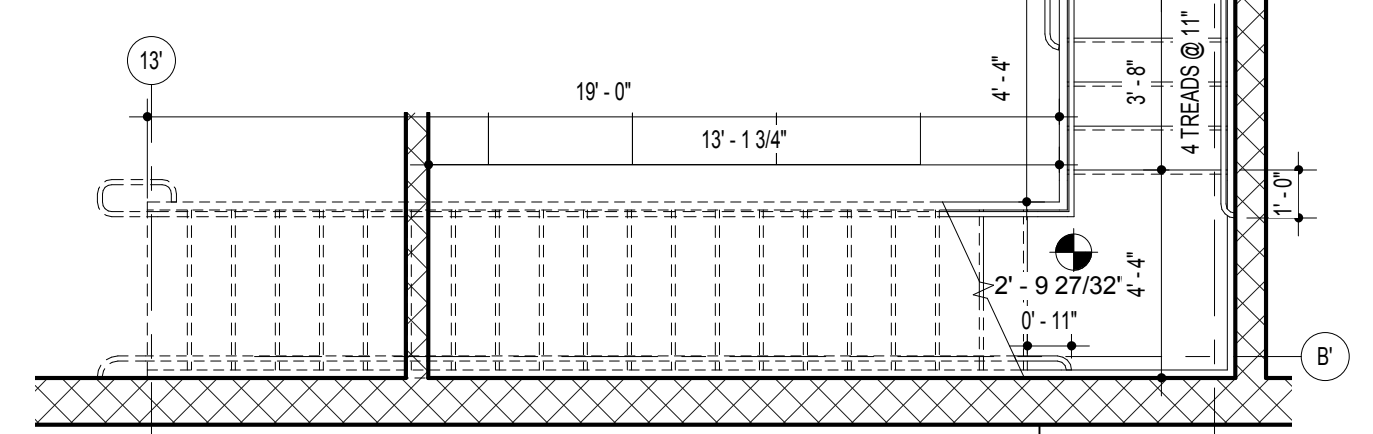
A-5.1
12/01/2016
BID SET
2/2
ADD



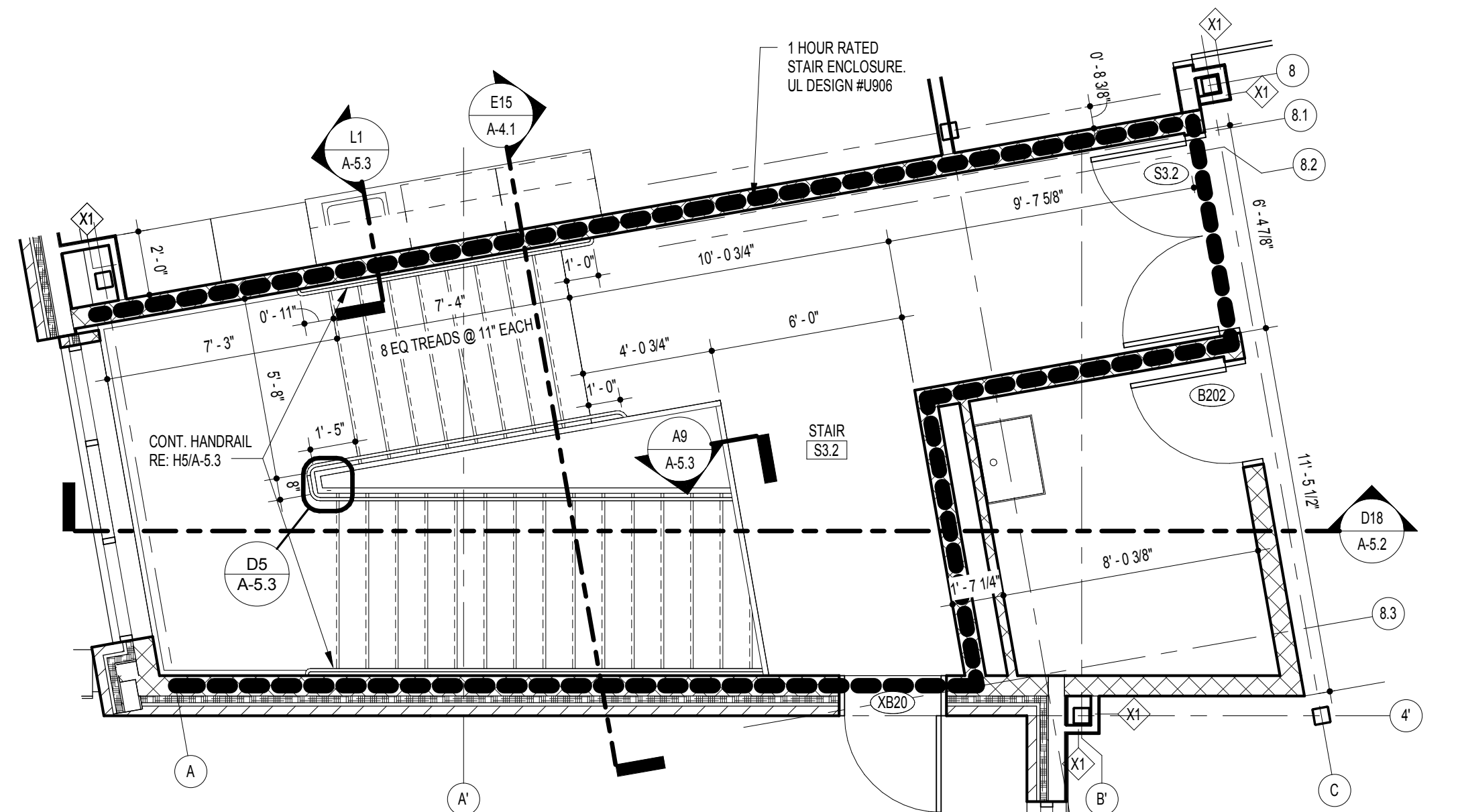
H18 AXON- STAIR S3



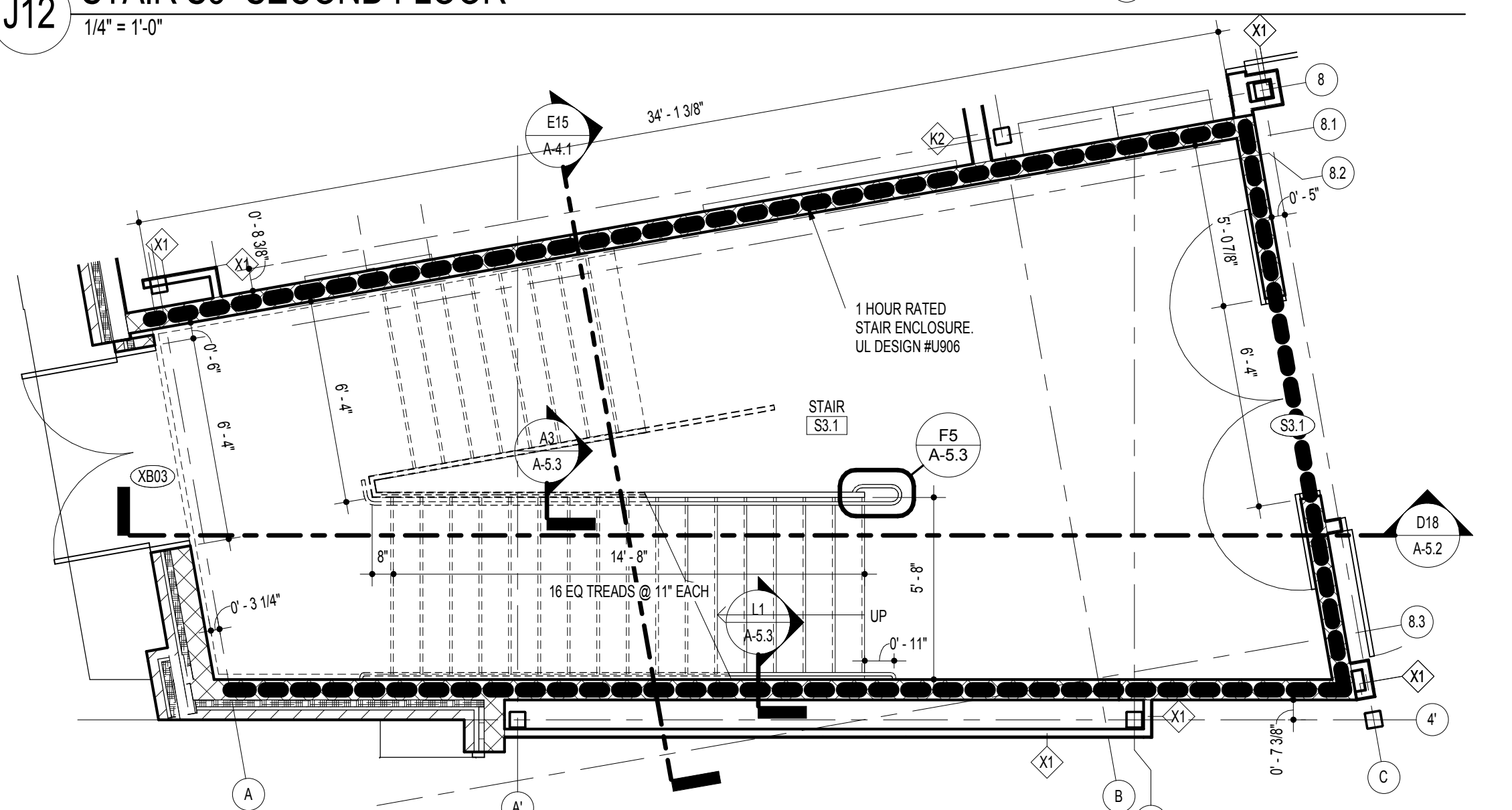
L14 MECHANICAL ROOM STAIR- SECOND FLOOR
1/4" = 1'-0"



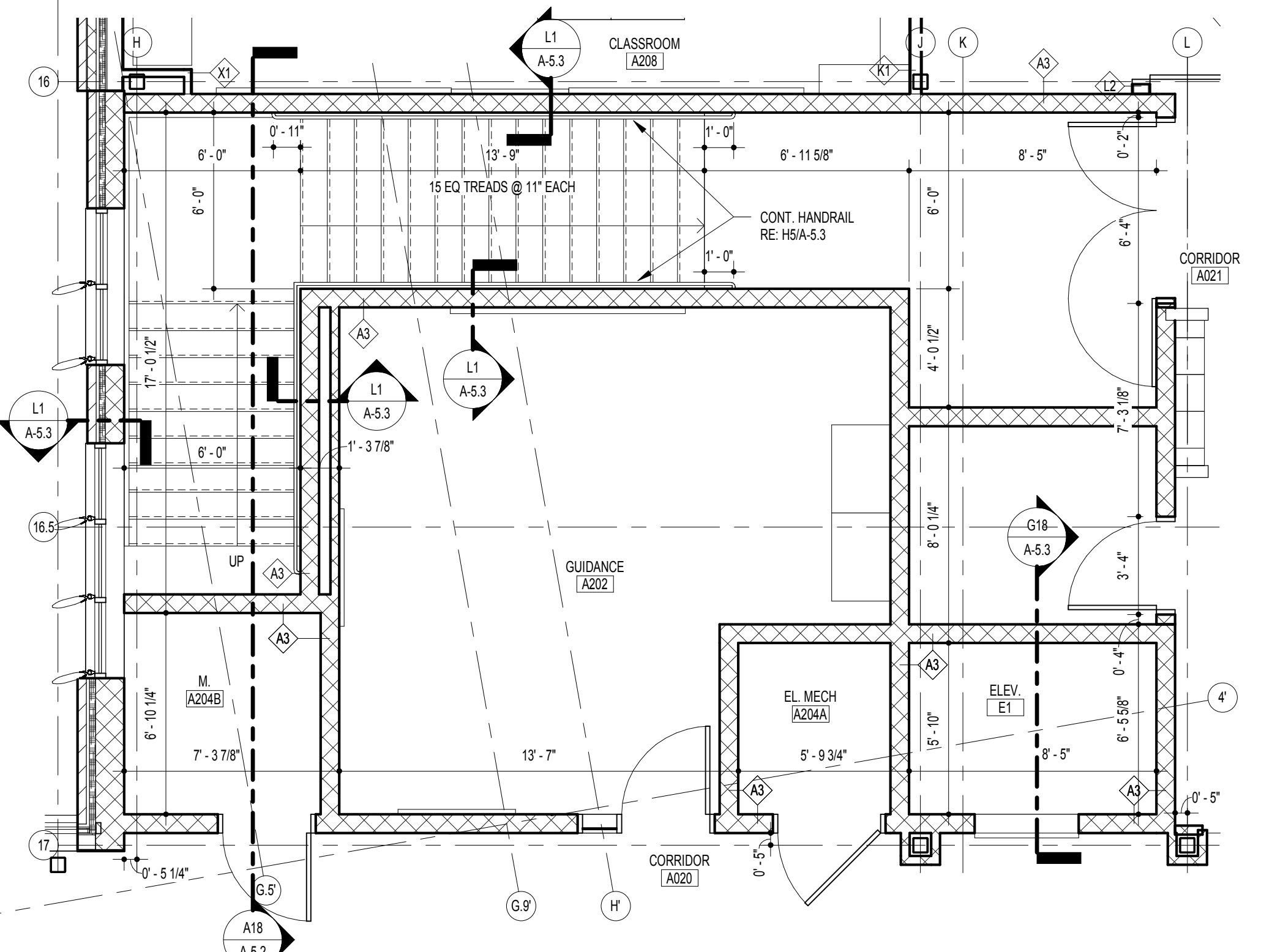
C5 MECHANICAL ROOM STAIR- FIRST FLOOR
1/4" = 1'-0"



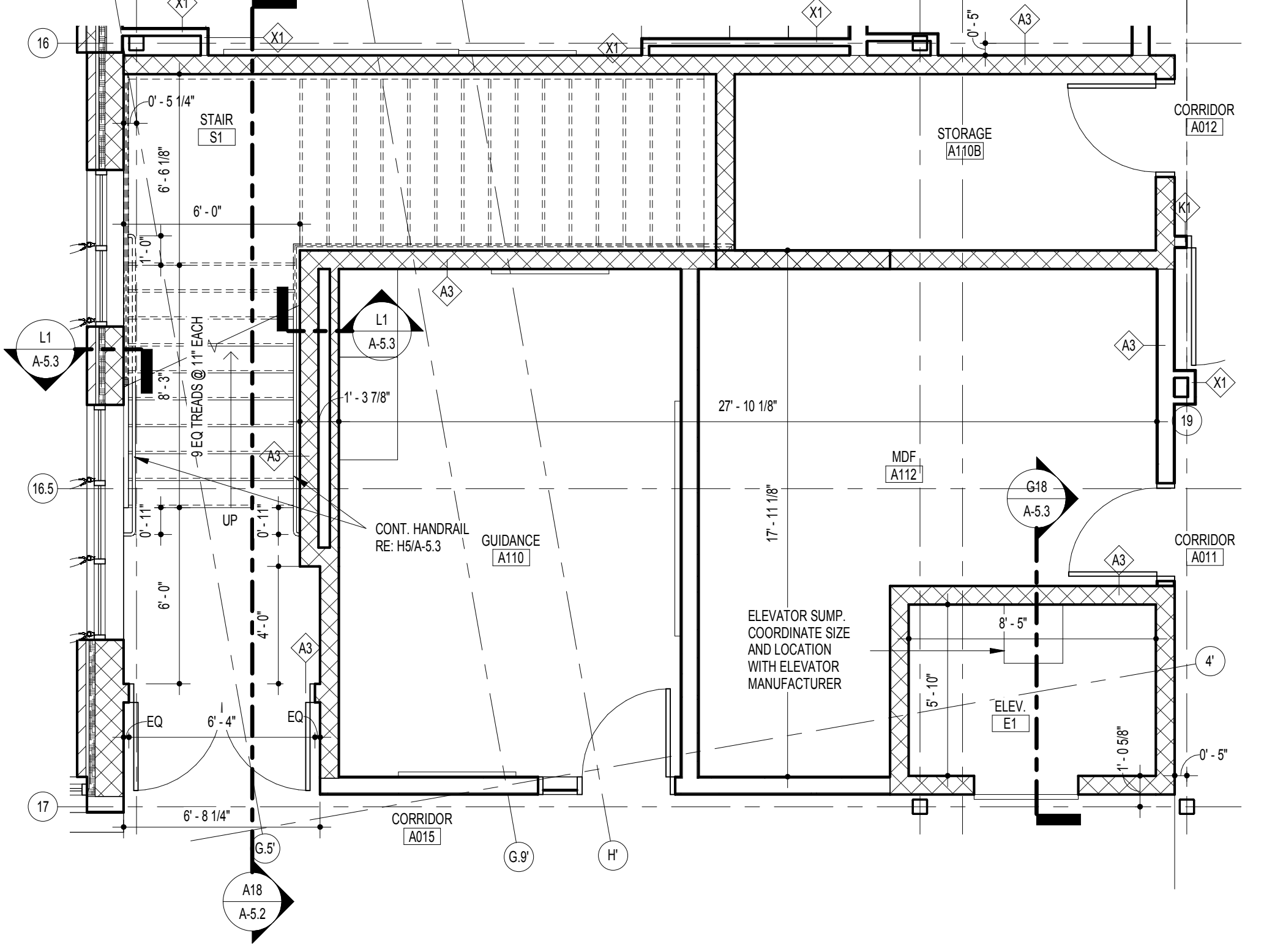
J12 STAIR S3- SECOND FLOOR
1/4" = 1'-0"



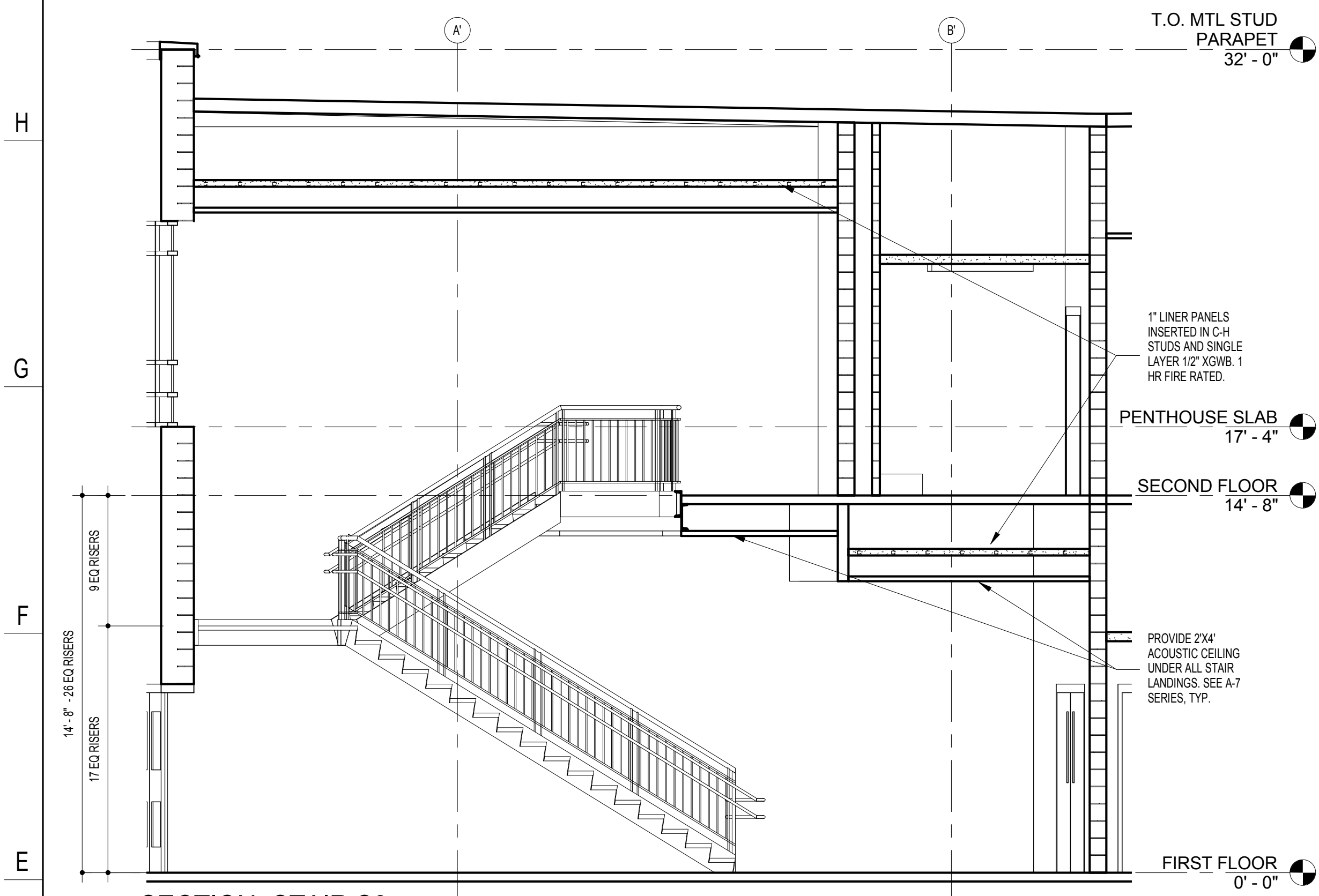
F12 STAIR S3- FIRST FLOOR
1/4" = 1'-0"



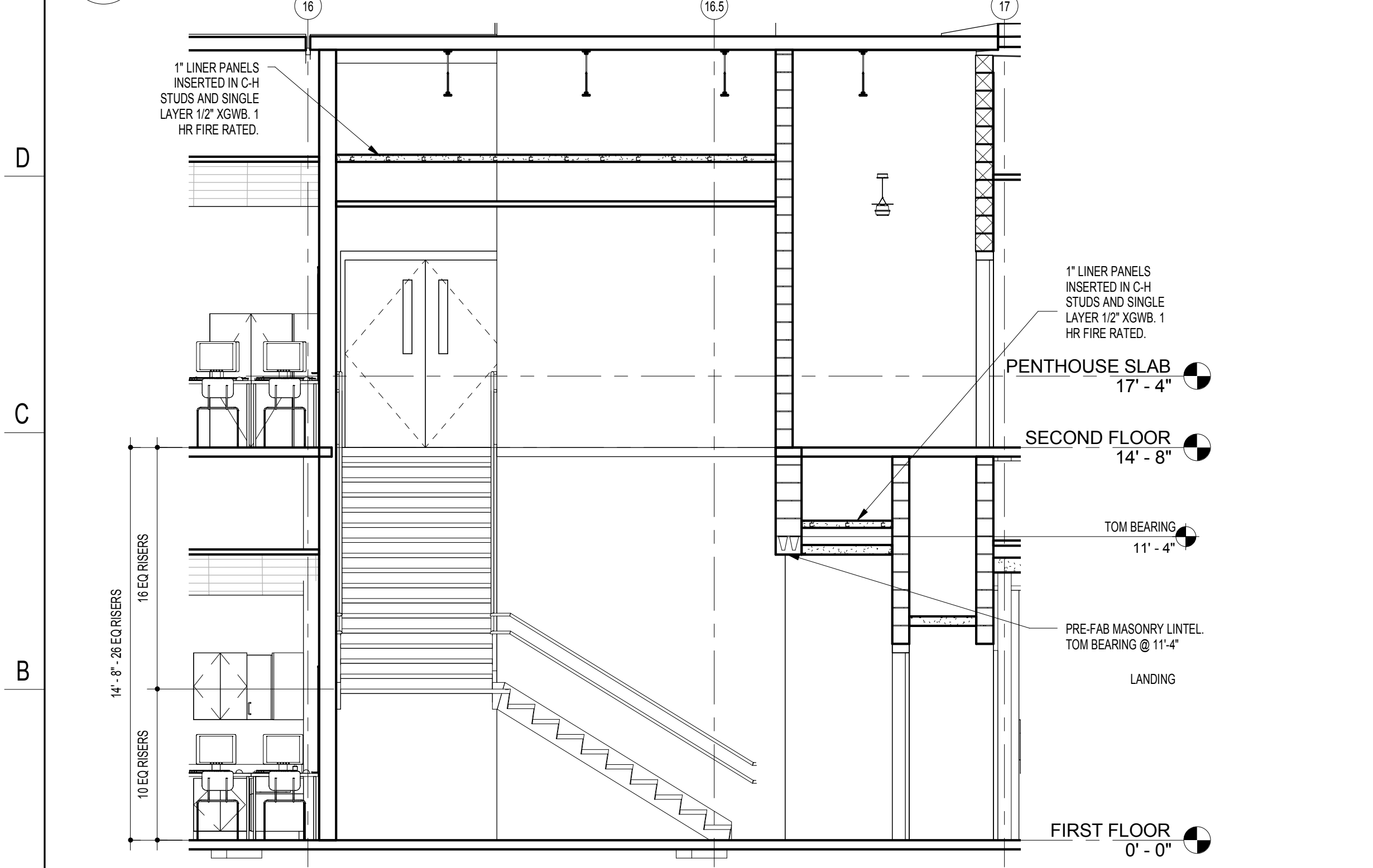
J6 STAIR S1 & ELEVATOR- SECOND FLOOR
1/4" = 1'-0"



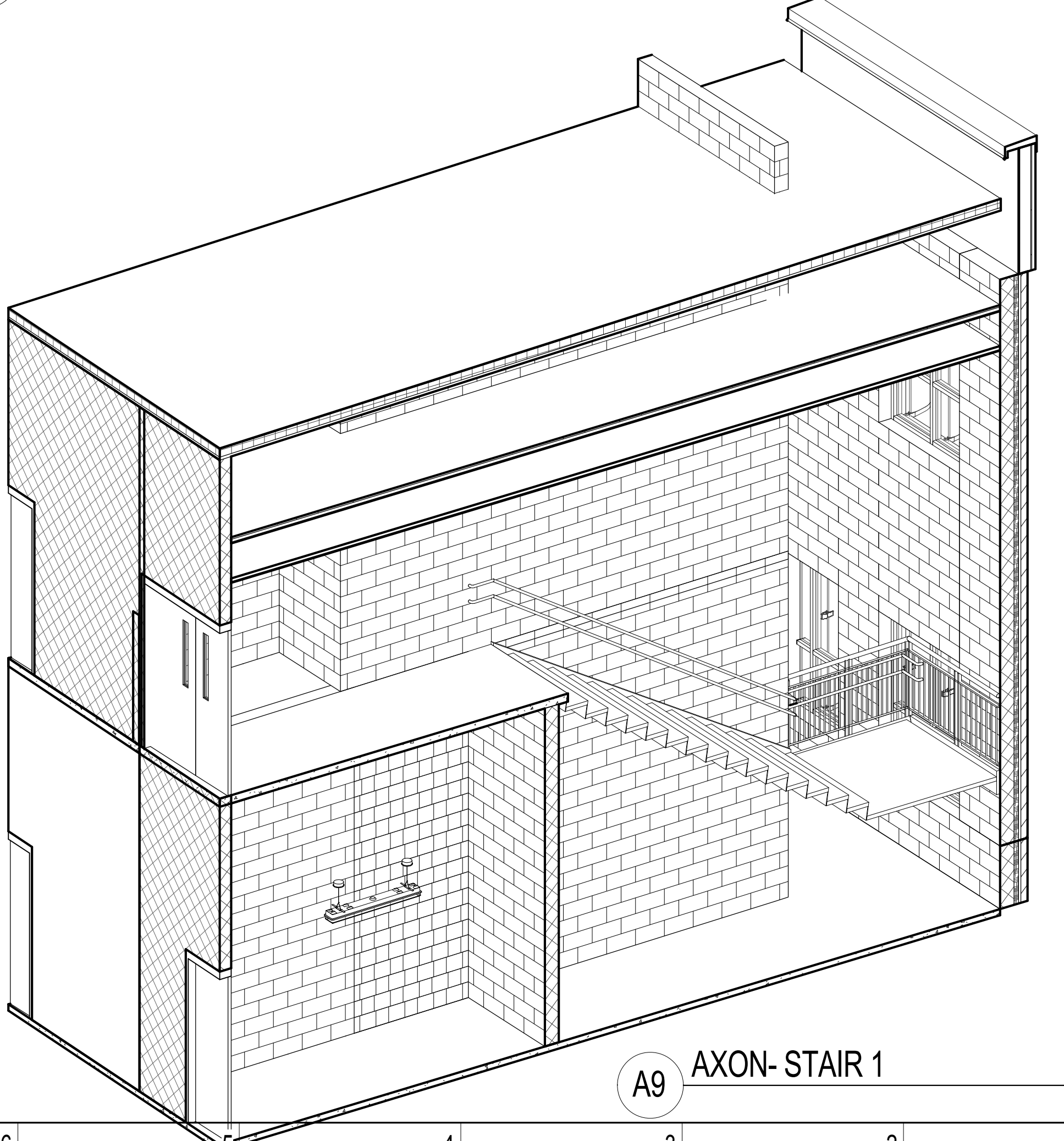
E6 STAIR S1 & ELEVATOR- FIRST FLOOR
1/4" = 1'-0"



D18 SECTION- STAIR S3
1/4" = 1'-0"



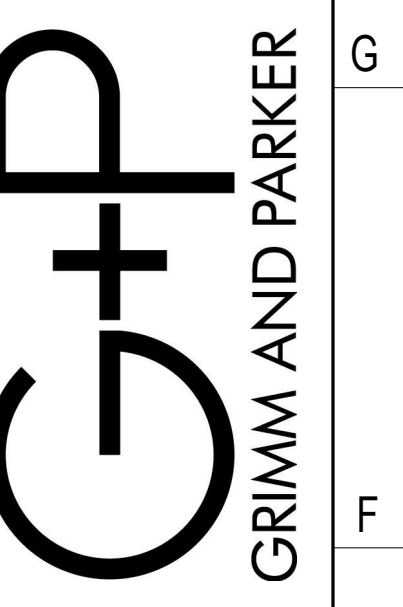
A18 SECTION- STAIR S1
1/4" = 1'-0"



A9 AXON- STAIR 1

PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM
A LICENSED ARCHITECT UNDER THE LAWS OF
THE STATE OF MARYLAND
LICENSE NUMBER 1007
EXPIRATION DATE 11/30/16

11720 Beltsville Drive
Suite 600
Calverton, MD 20705
Tel: 301.595.1000

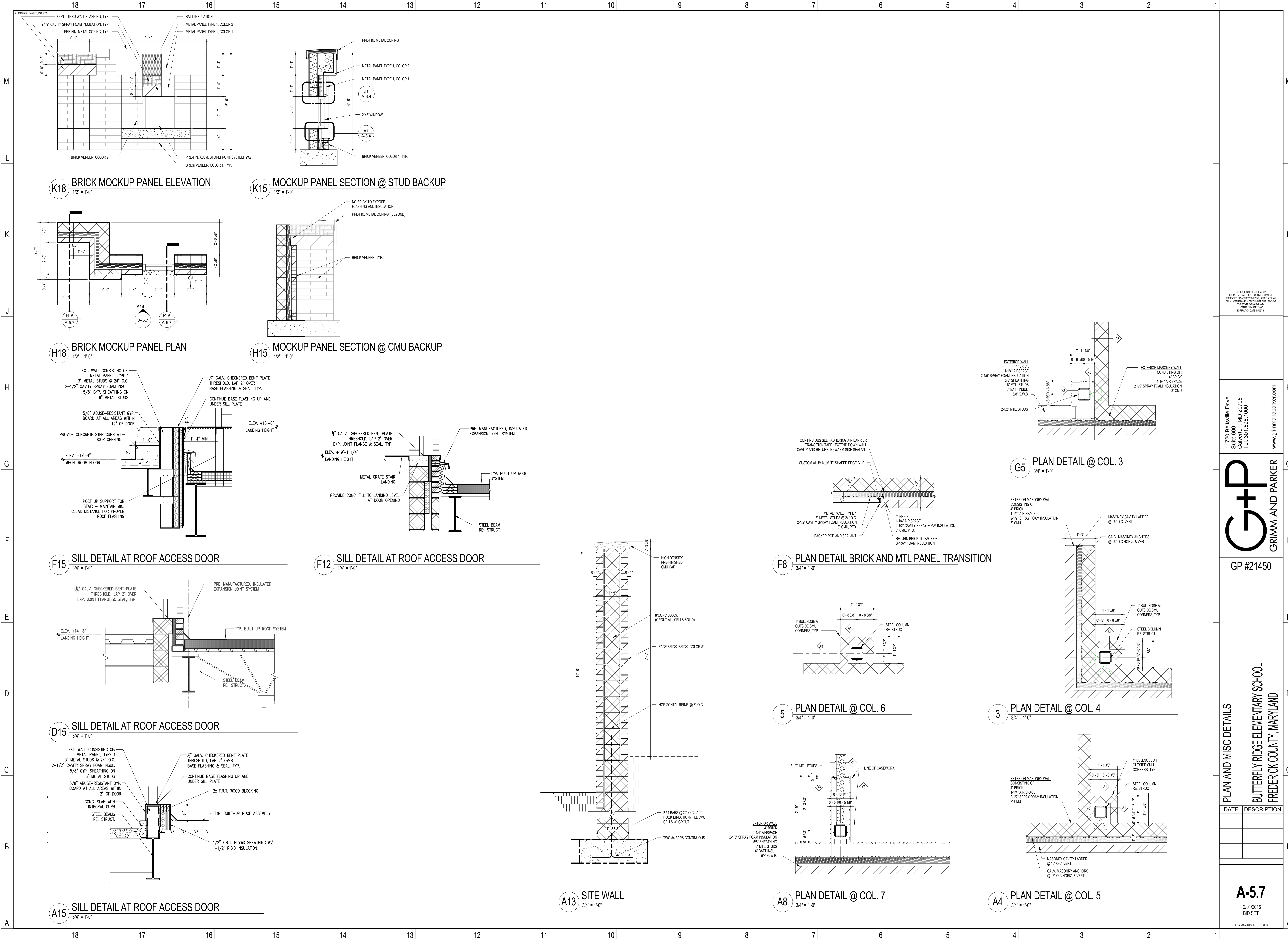


GP #21450

STAIR PLANS AND SECTIONS
BUTTERFLY RIDGE ELEMENTARY SCHOOL
FREDERICK COUNTY, MARYLAND

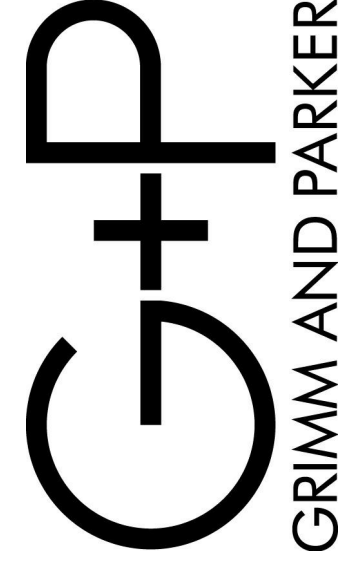
DATE	DESCRIPTION
01/06/17	ADDENDUM 2

A-5.2
12/01/2016
BID SET
2/2 ADD



PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM
A LICENSED ARCHITECT UNDER THE LAWS OF
THE STATE OF MARYLAND
LICENSE NUMBER 1007
EXPIRATION DATE 11/30/16

11720 Beltsville Drive
Suite 600
Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com



GP #21450

PLAN AND MISC DETAILS
BUTTERFLY RIDGE ELEMENTARY SCHOOL
FREDERICK COUNTY, MARYLAND

DATE	DESCRIPTION

A-5.7
12/01/2016
BID SET

© GRIMM AND PARKER, P.C. 2016

INTERIOR LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, DESCRIPTION, MANUFACTURER, CATALOG NO., VOLTS, INPUT WATTS, LAMP, MOUNTING, REMARKS. Rows include various lighting fixtures like recessed troffers, exit signs, and pendant lights.

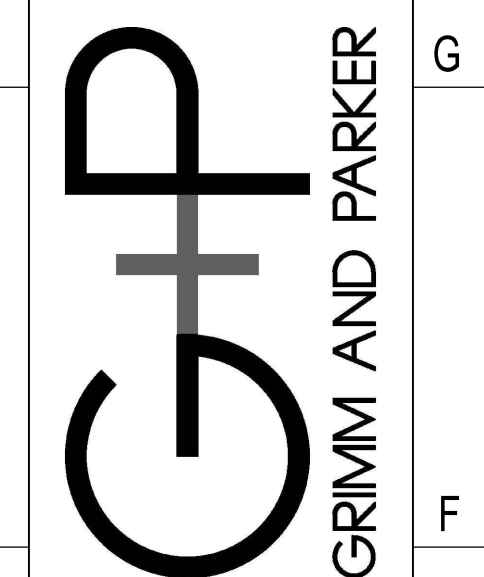
INTERIOR LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, DESCRIPTION, MANUFACTURER, CATALOG NO., VOLTS, INPUT WATTS, LAMP, MOUNTING, REMARKS. Rows include undercabinet fixtures, wall brackets, and task lights.

LIGHTING NOTES
1. COORDINATE LIGHTING FIXTURES INDICATED ON DRAWINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS. VERIFY CEILING CONSTRUCTION IN ALL AREAS WITH ARCHITECTURAL DRAWINGS AND PROVIDE ALL MOUNTING FRAMES AND HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION, SUITABLE FOR THE CEILING TYPE.

W.O.# 14097
THIS DRAWING AND THE DESIGN AND CONSTRUCTION FEATURES DISCLOSED ARE PROPRIETARY TO CIPE ASSOCIATES, INC. AND SHALL NOT BE ALTERED OR REPRODUCED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN PERMISSION OF CIPE ASSOCIATES, INC. Copyright © 2016

11720 Beltsville Drive Suite 600 Calverton, MD 20705 Tel: 301.595.1000 www.grimmandparker.com



GP #21450

LIGHTING FIXTURE SCHEDULE BUTTERFLY RIDGE ELEMENTARY SCHOOL FREDERICK COUNTY, MARYLAND

Table with columns: DATE, DESCRIPTION

E-0.2