

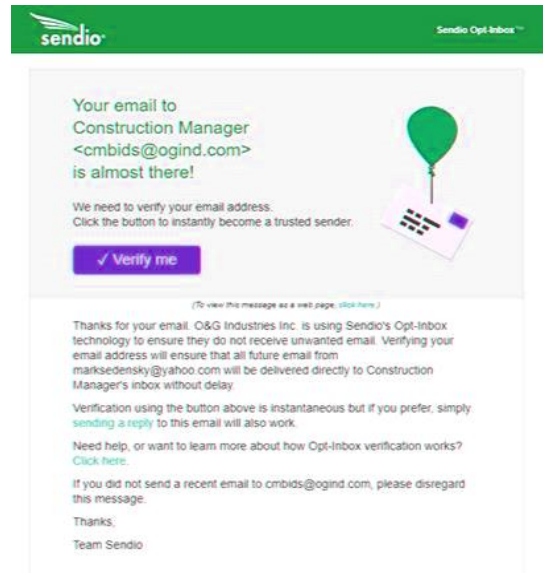
**BOWERS ELEMENTARY SCHOOL
MANCHESTER, CONNECTICUT
STATE PROJECT NO. 077-0239 RNV
ADDENDUM NO. 7
March 2, 2022**

**THE BID DUE DATE FOR ALL BID PACKAGES REMAINS
MARCH 8, 2022 @ 2:00 P.M.**

IN ORDER TO BE CONSIDERED A VALID BID, EMAIL YOUR BID PROPOSAL, WITH ACCOMPANYING BID BOND AND CTDAS UPDATE STATEMENT (if applicable), TO THE FOLLOWING TWO EMAIL ADDRESSES:

- cmbids@ogind.com
- tradepackagesbowers@manchesterct.gov

Be aware that O&G has a spam filter in place. If the following graphic appears when submitting your electronic bid, please click on “Verify me” in order for your bid to be accepted.



THE FOLLOWING DOCUMENTS MUST ACCOMPANY YOUR BID, OR YOUR PROPOSAL WILL BE DEEMED NON-RESPONSIVE:

1. FORM OF PROPOSAL
2. BID SECURITY (BID BOND OR CERTIFIED CHECK) (excluding 1.07f – Firestopping and 1.10a – Construction & Final Cleaning)
3. CTDAS UPDATE STATEMENT (if bid exceeds \$500,000.00)

The bid opening is open to the public at the GoTo Meeting link below:

Bowers Elementary School - Bid Opening
Tue, Mar 8, 2022 2:00 PM - 6:30 PM (EST)

Please join my meeting from your computer, tablet or smartphone.
<https://meet.goto.com/479775709>

You can also dial in using your phone.
United States: [+1 \(408\) 650-3123](tel:+14086503123)

Access Code: 479-775-709

Get the app now and be ready when your first meeting starts: <https://meet.goto.com/install>

I. REVISIONS TO SPECIFICATIONS

1. Specification Section 002413 – Bid Packages

a. All Bid Packages

II. SPECIAL INSTRUCTIONS

Replace the following Special Instruction:

6. After MEP cut/cap/make safe, the demolition and abatement contractor is responsible for all demolition unless specifically noted otherwise. The demolition and abatement contractor shall perform required selective demolition in order for MEP contractors to cap or safe off exiting utilities within walls or slabs. During this selective demolition the demolition and abatement contractor shall not over demo and if required will employ proper trades (masons, etc..) to perform a neat and clean selective demolition. After selective demolition and in order to facilitate patching by the correct finish trade (drywall, masonry, etc..) to be coordinated by CM, 1.21 Fire Suppression, 1.22 Plumbing, 1.23 HVAC, and 1.26 Electrical shall include Fifty hours of Journeyman time in their base bid for the purpose of patching walls, floors, ceilings, etc. to match the surrounding surface if required (the value of the hours will be used to reimburse the correct trade through offsetting CO or direct payment).

b. Bid Package 1.01 – Demolition & Abatement

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #18, #31, #33, #34, #35 and #39

Replace the following Special Instructions:

8. The demolition and abatement contractor shall comply with all requirements regarding working on materials containing lead-based paint as it pertains to their scope of work, refer to Section 02833 - Lead Paint Activity. Any contractor requiring lead abatement in order to perform their scope of work is responsible for the lead abatement (including all disposal costs) and shall include the cost of pollution liability insurance in the specified amount in their base bid proposal.
23. Unless specifically noted otherwise, it shall be the responsibility of the abatement and demolition contractor to perform all structural, architectural building demolition work that is required. The MEP contractors are responsible for cut, cap and make safe of mechanical systems. The building abatement and demolition contractor shall be responsible for all other MEP demolition including removal of roof top equipment. All demolition shall include, but not be limited to, what is shown on the ASB, PCB, D, A, FPD, PD, ED, MD Series drawings.

Add the following Special Instructions:

41. It shall be the responsibility of the plumbing contractor to cap existing floor drains as called for on the plumbing drawings. If required at floor slabs to remain, the demolition and abatement contractor will chip out concrete area around piping to allow plumbing contractor to install permanent cap, the concrete contractor will provide concrete infill as required.

42. The sitework contractor is responsible for all excavation and backfill on the interior of the building (existing and new) and site as required by the concrete contractor, plumbing contractor, fire protection contractor, HVAC contractor and Electrical contractor. Each of the above contractors shall provide line and grade including markings on the ground (line) to the sitework contractor for excavation. With the line and grade given to the sitework contractor, it shall be the responsibility of the sitework contractor to obtain the proper depth and location of the excavation required. The sitework contractor is responsible for furnishing and installing all special bedding or backfill material requirements for the installation of underground plumbing, fire protection, mechanical or electrical items located within the building (existing and new) or exterior of the building that is specified in the plumbing/mechanical/electrical specifications or shown on the plumbing/mechanical/electrical drawings. Backfill/bedding shall be compacted by the site contractor to prevent settling of installation.
43. Where concrete slab removal is required for underground MEPFP installations in the building: The MEPFP contractor will provide centerline layout, the Demolition and Abatement contractor shall sawcut/remove/dispose of concrete (concrete trench width to be assumed at 3' wide), the sitework contractor shall excavate and provide proper backfill and compaction, the concrete contractor shall provide for replacement of concrete slab with connection to existing. The site contractor shall provide OSHA approved temporary cover at the work area which will be maintained by the contractor currently performing their work at all times, the temporary cover will be removed by the site contractor at the completion of the work.
44. Prior to demolition and abatement, the MEPFP contractors shall be responsible for disconnecting and making safe any and all utilities required so that the abatement and demolition work can be completed. If for any reason existing MEP systems need to remain temporarily or permanently (temp heat, systems to remain), the MEP contractors shall notify the CM and demolition and abatement contractor prior to and during the pre-demolition conference. After utilities have been made safe, unless specifically noted otherwise, it shall be the responsibility of the abatement and demolition contractor to perform all MEPFP building demolition work that is required including removal of roof top equipment. This shall include, but not be limited to, what is shown on the ASB, PCB, D, A, FPD, PD, ED, MD Series drawings.
45. Bid Package 1.01 Demolition and Abatement will provide all engineered shoring required for their demolition work.
46. Salvage/reinstall: Stair rail to be salvaged and reinstalled by 1.05 Structural Steel. Climbing wall to be salvaged by and reinstalled by 1.10 General Trades. Wardrobes to be salvaged by and reinstalled by 1.06 Architectural Woodwork. Brick to be salvaged by 1.01 Demolition and Abatement and stored neatly onsite for use by 1.03 Masonry.
47. REF: D1.03, A1.03A, A1.03B – After units Where existing roof is being removed and infilled, the roofing contractor shall strip back the existing roofing material to allow for demolition by the demolition and abatement contractor. The roofing contractor will provide temporary weathertight cover and OSHA protection. The roofing contractor is responsible for maintaining water tightness at all times except for when the demolition and steel contractors are performing their work. The demolition and abatement contractor will provide demolition as required, structural steel contractor will provide roof deck infills as required in

preparation for final roofing infill at these areas. After structure has been installed the roofer shall verify that the temporary weathertight cover is reinstalled properly to prevent water infiltration until the permanent roofing is installed.

48. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

c. Bid Package 1.02 – Sitework

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #23, #24, #33 and #60

Add the following Special Instructions:

62. The sitework contractor is responsible for all excavation and backfill on the interior of the building (existing and new) and site as required by the concrete contractor, plumbing contractor, fire protection contractor, HVAC contractor and Electrical contractor. Each of the above contractors shall provide line and grade including markings on the ground (line) to the sitework contractor for excavation. With the line and grade given to the sitework contractor, it shall be the responsibility of the sitework contractor to obtain the proper depth and location of the excavation required. The sitework contractor is responsible for furnishing and installing all special bedding or backfill material requirements for the installation of underground plumbing, fire protection, mechanical or electrical items located within the building (existing and new) or exterior of the building that is specified in the plumbing/mechanical/electrical specifications or shown on the plumbing/mechanical/electrical drawings. Backfill/bedding shall be compacted by the site contractor to prevent settling of installation.
63. Where concrete slab removal is required for underground MEPFP installations in the building: The MEPFP contractor will provide centerline layout, the Demolition and Abatement contractor shall sawcut/remove/dispose of concrete (concrete trench width to be assumed at 3' wide), the sitework contractor shall excavate and provide proper backfill and compaction, the concrete contractor shall provide for replacement of concrete slab with connection to existing. The site contractor shall provide OSHA approved temporary cover at the work area which will be maintained by the contractor currently performing their work at all times, the temporary cover will be removed by the site contractor at the completion of the work.
64. Bid Package 1.01 Demolition and Abatement will provide all engineered shoring required for their demolition work.
65. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

d. Bid Package 1.03 – Concrete

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #13 and #35

Replace the following Special Instruction:

39. For Specification Section 07500 – Expansion Control, The general trades contractor shall furnish and install floor to floor joint systems. The mason contractor shall furnish and install wall to wall masonry joint systems (if required). The drywall & acoustical contractor shall furnish and install wall to ceiling joint systems and exterior expansion joints (typical 1 & 2 on Drawing A4.31).

Add the following Special Instructions:

32. It shall be the responsibility of the plumbing contractor to cap existing floor drains as called for on the plumbing drawings. If required at floor slabs to remain, the demolition and abatement contractor will chip out concrete area around piping to allow plumbing contractor to install permanent cap, the concrete contractor will provide concrete infill as required.
33. The sitework contractor is responsible for all excavation and backfill on the interior of the building (existing and new) and site as required by the concrete contractor, plumbing contractor, fire protection contractor, HVAC contractor and Electrical contractor. Each of the above contractors shall provide line and grade including markings on the ground (line) to the sitework contractor for excavation. With the line and grade given to the sitework contractor, it shall be the responsibility of the sitework contractor to obtain the proper depth and location of the excavation required. The sitework contractor is responsible for furnishing and installing all special bedding or backfill material requirements for the installation of underground plumbing, fire protection, mechanical or electrical items located within the building (existing and new) or exterior of the building that is specified in the plumbing/mechanical/electrical specifications or shown on the plumbing/mechanical/electrical drawings. Backfill/bedding shall be compacted by the site contractor to prevent settling of installation.
34. Where concrete slab removal is required for underground MEPFP installations in the building: The MEPFP contractor will provide centerline layout, the Demolition and Abatement contractor shall sawcut/remove/dispose of concrete (concrete trench width to be assumed at 3' wide), the sitework contractor shall excavate and provide proper backfill and compaction, the concrete contractor shall provide for replacement of concrete slab with connection to existing. The site contractor shall provide OSHA approved temporary cover at the work area which will be maintained by the contractor currently performing their work at all times, the temporary cover will be removed by the site contractor at the completion of the work.
36. Bid Package 1.01 Demolition and Abatement will provide all engineered shoring required for their demolition work.
37. Salvage/reinstall: Stair rail to be salvaged and reinstalled by 1.05 Structural Steel. Climbing wall to be salvaged by and reinstalled by 1.10 General Trades. Wardrobes to be salvaged by and reinstalled by 1.06 Architectural Woodwork. Brick to be salvaged by 1.01 Demolition and Abatement and stored neatly onsite for use by 1.03 Masonry.
38. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

e. Bid Package 1.04 – Masonry

I. SCOPE OF WORK

B. SPECIFIC

Add 079500 Expansion Control (partial)

II. SPECIAL INSTRUCTIONS

Delete Special Instruction #30

Replace the following Special Instructions:

17. Where sealants and/or acoustical fillers and or firestopping is called for at the tops of fire-rated, smoke and non rated interior partitions, it shall be furnished and installed by the 1.07f Firestopping contractor. . Where either a drywall or masonry partition stops at the underside of a structural steel member, the 1.07f Firestopping contractor shall also be responsible for the required firestopping, smokestopping or acoustical filler above the structural steel member, between the steel member and the metal deck above.

25. The responsibility of Specification Section 078413 Penetration Firestopping shall be as follows: 1.07f Firestopping shall be responsible for any firestopping or smokestopping that is required as a result of penetrations in walls, floors or ceilings by conduits, ductwork, piping or other penetrating items provided by all contractors. All firestopping and smokestopping shall be provided by one manufacturer approved by the architect and owner. Identification of each firestopped/smokestopped area per the Technical Specifications will be strictly enforced.

Add the following Special Instruction:

41. Bid Package 1.01 Demolition and Abatement will provide all engineered shoring required for their demolition work.

42. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

f. Bid Package 1.05 – Structural Steel

II. SPECIAL INSTRUCTIONS

Add the following Special Instructions:

20. Bid Package 1.01 Demolition and Abatement will provide all engineered shoring required for their demolition work.

21. Salvage/reinstall: Stair rail to be salvaged and reinstalled by 1.05 Structural Steel. Climbing wall to be salvaged by and reinstalled by 1.10 General Trades. Wardrobes to be salvaged by and reinstalled by 1.06 Architectural Woodwork. Brick to be salvaged by 1.01 Demolition and Abatement and stored neatly onsite for use by 1.03 Masonry.

22. REF: D1.03, A1.03A, A1.03B – After units Where existing roof is being removed and infilled, the roofing contractor shall strip back the existing roofing material to allow for demolition by the demolition and abatement contractor. The roofing contractor will provide temporary weathertight cover and OSHA protection. The roofing contractor is responsible for maintaining water tightness at all times except for when the demolition and steel contractors are performing their work. The demolition and abatement contractor will provide demolition as required, structural steel contractor will provide roof deck infills as required in preparation for final roofing infill at these areas. After structure has been installed the roofer shall verify that the temporary weathertight cover is reinstalled properly to prevent water infiltration until the permanent roofing is installed.
23. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

g. Bid Package 1.06 – Architectural Woodwork

II. SPECIAL INSTRUCTIONS

Add the following Special Instructions:

15. Salvage/reinstall: Stair rail to be salvaged and reinstalled by 1.05 Structural Steel. Climbing wall to be salvaged by and reinstalled by 1.10 General Trades. Wardrobes to be salvaged by and reinstalled by 1.06 Architectural Woodwork. Brick to be salvaged by 1.01 Demolition and Abatement and stored neatly onsite for use by 1.03 Masonry.
16. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

h. Bid Package 1.07f – Firestopping

I. SCOPE OF WORK

B. SPECIFIC

Delete 078446 – Fire Resistive Joints

II. SPECIAL INSTRUCTIONS

Replace the following Special Instructions:

12. Where sealants and/or acoustical fillers and or firestopping is called for at the tops of fire-rated, smoke and non rated interior partitions, it shall be furnished and installed by the 1.07f Firestopping contractor. . Where either a drywall or masonry partition stops at the underside of a structural steel member, the 1.07f Firestopping contractor shall also be responsible for the required firestopping, smokestopping or acoustical filler above the structural steel member, between the steel member and the metal deck above.
15. The responsibility of Specification Section 078413 Penetration Firestopping shall be as follows: 1.07f Firestopping shall be responsible for any firestopping or smokestopping that is required as a result of penetrations in walls, floors or ceilings by conduits, ductwork, piping or other penetrating items provided by all contractors. All firestopping and smokestopping shall be provided by one

manufacturer approved by the architect and owner. Identification of each firestopped/smokestopped area per the Technical Specifications will be strictly enforced.

Add the following Special Instruction:

16. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

i. Bid Package 1.07r – Roofing

II. SPECIAL INSTRUCTIONS

Delete Special Instruction #26

Add the following Special Instructions:

31. REF: D1.03, A1.03A, A1.03B – After units Where existing roof is being removed and infilled, the roofing contractor shall strip back the existing roofing material to allow for demolition by the demolition and abatement contractor. The roofing contractor will provide temporary weathertight cover and OSHA protection. The roofing contractor is responsible for maintaining water tightness at all times except for when the demolition and steel contractors are performing their work. The demolition and abatement contractor will provide demolition as required, structural steel contractor will provide roof deck infills as required in preparation for final roofing infill at these areas. After structure has been installed the roofer shall verify that the temporary weathertight cover is reinstalled properly to prevent water infiltration until the permanent roofing is installed.

32. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

j. Bid Package 1.08 – Windows, Curtainwall

I. SCOPE OF WORK

B. SPECIFIC

Add 086300 – Metal-Framed Skylights and Canopies

II. SPECIAL INSTRUCTIONS

Replace the following Special Instruction:

26. For Specification Section 07500 – Expansion Control, The general trades contractor shall furnish and install floor to floor joint systems. The mason contractor shall furnish and install wall to wall masonry joint systems (if required). The drywall & acoustical contractor shall furnish and install wall to ceiling joint systems and exterior expansion joints (typical 1 & 2 on Drawing A4.31).

Add the following Special Instruction:

29. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

k. Bid Package 1.09 – Drywall & Acoustical

I. SCOPE OF WORK

B. SPECIFIC

Add 079500 Expansion Control (partial)

II. SPECIAL INSTRUCTIONS

Delete Special Instruction #32

Replace the following Special Instructions:

17. The responsibility of Specification Section 078413 Penetration Firestopping shall be as follows: 1.07f Firestopping shall be responsible for any firestopping or smokestopping that is required as a result of penetrations in walls, floors or ceilings by conduits, ductwork, piping or other penetrating items provided by all contractors. All firestopping and smokestopping shall be provided by one manufacturer approved by the architect and owner. Identification of each firestopped/smokestopped area per the Technical Specifications will be strictly enforced.
33. For Specification Section 07500 – Expansion Control, The general trades contractor shall furnish and install floor to floor joint systems. The mason contractor shall furnish and install wall to wall masonry joint systems (if required). The drywall & acoustical contractor shall furnish and install wall to ceiling joint systems and exterior expansion joints (typical 1 & 2 on Drawing A4.31).
58. Where sealants and/or acoustical fillers and or firestopping is called for at the tops of fire-rated, smoke and non rated interior partitions, it shall be furnished and installed by the 1.07f Firestopping contractor. . Where either a drywall or masonry partition stops at the underside of a structural steel member, the 1.07f Firestopping contractor shall also be responsible for the required firestopping, smokestopping or acoustical filler above the structural steel member, between the steel member and the metal deck above.

Add the following Special Instruction:

21. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

l. Bid Package 1.09f – Flooring

II. SPECIAL INSTRUCTIONS

Add the following Special Instruction:

16. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

m. Bid Package 1.09p – Painting

II. SPECIAL INSTRUCTIONS

Add the following Special Instruction:

21. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

n. Bid Package 1.10 – General Trades

I. SCOPE OF WORK

B. SPECIFIC

Change 079500 Expansion Control to 079500 Expansion Control (partial)

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #29 and #36

Replace the following Special Instruction:

57. For Specification Section 07500 – Expansion Control, The general trades contractor shall furnish and install floor to floor joint systems. The mason contractor shall furnish and install wall to wall masonry joint systems (if required). The drywall & acoustical contractor shall furnish and install wall to ceiling joint systems and exterior expansion joints (typical 1 & 2 on Drawing A4.31).

Add the following Special Instructions:

58. Bid Package 1.01 Demolition and Abatement will provide all engineered shoring required for their demolition work.
59. Salvage/reinstall: Stair rail to be salvaged and reinstalled by 1.05 Structural Steel. Climbing wall to be salvaged by and reinstalled by 1.10 General Trades. Wardrobes to be salvaged by and reinstalled by 1.06 Architectural Woodwork. Brick to be salvaged by 1.01 Demolition and Abatement and stored neatly onsite for use by 1.03 Masonry.
60. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

o. Bid Package 1.10a – Construction & Final Cleaning

II. SPECIAL INSTRUCTIONS

Add the following Special Instruction:

16. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

p. Bid Package 1.11 – Food Service

II. SPECIAL INSTRUCTIONS

Add the following Special Instructions:

25. The food service contractor is responsible for employing a licensed electrical, plumbing, controls and/or HVAC contractor to complete all work associated with the installation of the food service equipment that is not specifically called out to be completed by the electrical, plumbing, controls or HVAC contractor on the bid documents. This includes, but is not limited to interconnect wiring for UDS, controls interconnect for hoods and ansul systems, controls for air curtains, etc. Specifically Note: Supplying the hood is by the Bid Package 1.11 Food Service contractor; Bid Package 1.23 HVAC contractor is responsible to hang the hood and for final connections from the hood to the ductwork.
26. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

q. Bid Package 1.21 – Fire Suppression

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #11, #14 and #15

Replace the following Special Instructions:

19. The responsibility of Specification Section 078413 Penetration Firestopping shall be as follows: 1.07f Firestopping shall be responsible for any firestopping or smokestopping that is required as a result of penetrations in walls, floors or ceilings by conduits, ductwork, piping or other penetrating items provided by all contractors. All firestopping and smokestopping shall be provided by one manufacturer approved by the architect and owner. Identification of each firestopped/smokestopped area per the Technical Specifications will be strictly enforced.
25. Except where it has been identified as work by others (ex. duct penetration/openings on demolition plans), it shall be the responsibility of the MEPFP contractors to core drill or saw cut any existing walls where new duct, conduits, pipe/other routing enter or leave or pass through the building.
32. The MEP contractors are responsible for cut, cap and make safe. Unless specifically noted otherwise the building abatement and demolition contractor shall be responsible for all other MEP demolition shown on the FPD, PD, ED, MD Series drawings.

Add the following Special Instructions:

33. The sitework contractor is responsible for all excavation and backfill on the interior of the building (existing and new) and site as required by the concrete contractor, plumbing contractor, fire protection contractor, HVAC contractor and Electrical contractor. Each of the above contractors shall provide line and grade including markings on the ground (line) to the sitework contractor for excavation. With the line and grade given to the sitework contractor, it shall be the responsibility of the sitework contractor to obtain the proper depth and location of

the excavation required. The sitework contractor is responsible for furnishing and installing all special bedding or backfill material requirements for the installation of underground plumbing, fire protection, mechanical or electrical items located within the building (existing and new) or exterior of the building that is specified in the plumbing/mechanical/electrical specifications or shown on the plumbing/mechanical/electrical drawings. Backfill/bedding shall be compacted by the site contractor to prevent settling of installation.

34. Where concrete slab removal is required for underground MEPFP installations in the building: The MEPFP contractor will provide centerline layout, the Demolition and Abatement contractor shall sawcut/remove/dispose of concrete (concrete trench width to be assumed at 3' wide), the sitework contractor shall excavate and provide proper backfill and compaction, the concrete contractor shall provide for replacement of concrete slab with connection to existing. The site contractor shall provide OSHA approved temporary cover at the work area which will be maintained by the contractor currently performing their work at all times, the temporary cover will be removed by the site contractor at the completion of the work.
35. Prior to demolition and abatement, the MEPFP contractors shall be responsible for disconnecting and making safe any and all utilities required so that the abatement and demolition work can be completed. If for any reason existing MEP systems need to remain temporarily or permanently (temp heat, systems to remain), the MEP contractors shall notify the CM and demolition and abatement contractor prior to and during the pre-demolition conference. After utilities have been made safe, unless specifically noted otherwise, it shall be the responsibility of the abatement and demolition contractor to perform all MEPFP building demolition work that is required including removal of roof top equipment. This shall include, but not be limited to, what is shown on the ASB, PCB, D, A, FPD, PD, ED, MD Series drawings.
36. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

r. Bid Package 1.22 – Plumbing

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #11, #14, #15, #16, #25, #28, #33, #44, #45, #46 and #50

Replace the following Special Instructions:

23. The responsibility of Specification Section 078413 Penetration Firestopping shall be as follows: 1.07f Firestopping shall be responsible for any firestopping or smokestopping that is required as a result of penetrations in walls, floors or ceilings by conduits, ductwork, piping or other penetrating items provided by all contractors. All firestopping and smokestopping shall be provided by one manufacturer approved by the architect and owner. Identification of each firestopped/smokestopped area per the Technical Specifications will be strictly enforced.
35. Except where it has been identified as work by others (ex. duct penetration/openings on demolition plans), it shall be the responsibility of the MEPFP contractors to core drill or saw cut any existing walls where new duct, conduits, pipe/other routing enter or leave or pass through the building.

47. The MEP contractors are responsible for cut, cap and make safe. Unless specifically noted otherwise the building abatement and demolition contractor shall be responsible for all other MEP demolition shown on the FPD, PD, ED, MD Series drawings.

Add the following Special Instructions:

48. It shall be the responsibility of the plumbing contractor to cap existing floor drains as called for on the plumbing drawings. If required at floor slabs to remain, the demolition and abatement contractor will chip out concrete area around piping to allow plumbing contractor to install permanent cap, the concrete contractor will provide concrete infill as required.
49. The sitework contractor is responsible for all excavation and backfill on the interior of the building (existing and new) and site as required by the concrete contractor, plumbing contractor, fire protection contractor, HVAC contractor and Electrical contractor. Each of the above contractors shall provide line and grade including markings on the ground (line) to the sitework contractor for excavation. With the line and grade given to the sitework contractor, it shall be the responsibility of the sitework contractor to obtain the proper depth and location of the excavation required. The sitework contractor is responsible for furnishing and installing all special bedding or backfill material requirements for the installation of underground plumbing, fire protection, mechanical or electrical items located within the building (existing and new) or exterior of the building that is specified in the plumbing/mechanical/electrical specifications or shown on the plumbing/mechanical/electrical drawings. Backfill/bedding shall be compacted by the site contractor to prevent settling of installation.
51. Where concrete slab removal is required for underground MEPFP installations in the building: The MEPFP contractor will provide centerline layout, the Demolition and Abatement contractor shall sawcut/remove/dispose of concrete (concrete trench width to be assumed at 3' wide), the sitework contractor shall excavate and provide proper backfill and compaction, the concrete contractor shall provide for replacement of concrete slab with connection to existing. The site contractor shall provide OSHA approved temporary cover at the work area which will be maintained by the contractor currently performing their work at all times, the temporary cover will be removed by the site contractor at the completion of the work.
52. Prior to demolition and abatement, the MEPFP contractors shall be responsible for disconnecting and making safe any and all utilities required so that the abatement and demolition work can be completed. If for any reason existing MEP systems need to remain temporarily or permanently (temp heat, systems to remain), the MEP contractors shall notify the CM and demolition and abatement contractor prior to and during the pre-demolition conference. After utilities have been made safe, unless specifically noted otherwise, it shall be the responsibility of the abatement and demolition contractor to perform all MEPFP building demolition work that is required including removal of roof top equipment. This shall include, but not be limited to, what is shown on the ASB, PCB, D, A, FPD, PD, ED, MD Series drawings.
53. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

s. Bid Package 1.23 – HVAC

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #11, #14, #15, #33, #35, #36, #45 and #56

Replace the following Special Instructions:

31. Except where it has been identified as work by others (ex. duct penetration/openings on demolition plans), it shall be the responsibility of the MEPFP contractors to core drill or saw cut any existing walls where new duct, conduits, pipe/other routing enter or leave or pass through the building.
55. The MEP contractors are responsible for cut, cap and make safe. Unless specifically noted otherwise the building abatement and demolition contractor shall be responsible for all other MEP demolition shown on the FPD, PD, ED, MD Series drawings.

Add the following Special Instructions:

57. The sitework contractor is responsible for all excavation and backfill on the interior of the building (existing and new) and site as required by the concrete contractor, plumbing contractor, fire protection contractor, HVAC contractor and Electrical contractor. Each of the above contractors shall provide line and grade including markings on the ground (line) to the sitework contractor for excavation. With the line and grade given to the sitework contractor, it shall be the responsibility of the sitework contractor to obtain the proper depth and location of the excavation required. The sitework contractor is responsible for furnishing and installing all special bedding or backfill material requirements for the installation of underground plumbing, fire protection, mechanical or electrical items located within the building (existing and new) or exterior of the building that is specified in the plumbing/mechanical/electrical specifications or shown on the plumbing/mechanical/electrical drawings. Backfill/bedding shall be compacted by the site contractor to prevent settling of installation.
58. Where concrete slab removal is required for underground MEPFP installations in the building: The MEPFP contractor will provide centerline layout, the Demolition and Abatement contractor shall sawcut/remove/dispose of concrete (concrete trench width to be assumed at 3' wide), the sitework contractor shall excavate and provide proper backfill and compaction, the concrete contractor shall provide for replacement of concrete slab with connection to existing. The site contractor shall provide OSHA approved temporary cover at the work area which will be maintained by the contractor currently performing their work at all times, the temporary cover will be removed by the site contractor at the completion of the work.
59. Prior to demolition and abatement, the MEPFP contractors shall be responsible for disconnecting and making safe any and all utilities required so that the abatement and demolition work can be completed. If for any reason existing MEP systems need to remain temporarily or permanently (temp heat, systems to remain), the MEP contractors shall notify the CM and demolition and abatement contractor prior to and during the pre-demolition conference. After utilities have been made safe, unless specifically noted otherwise, it shall be the responsibility of the abatement and demolition contractor to perform all MEPFP building demolition work that is required including removal of roof top equipment. This shall include, but not be limited to, what is shown on the ASB, PCB, D, A, FPD, PD, ED, MD Series drawings.

60. The food service contractor is responsible for employing a licensed electrical, plumbing, controls and/or HVAC contractor to complete all work associated with the installation of the food service equipment that is not specifically called out to be completed by the electrical, plumbing, controls or HVAC contractor on the bid documents. This includes, but is not limited to interconnect wiring for UDS, controls interconnect for hoods and ansul systems, controls for air curtains, etc. Specifically Note: Supplying the hood is by the Bid Package 1.11 Food Service contractor; Bid Package 1.23 HVAC contractor is responsible to hang the hood and for final connections from the hood to the ductwork.
61. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

t. Bid Package 1.26 – Electrical

II. SPECIAL INSTRUCTIONS

Delete Special Instructions #11, #14 and #15

Replace the following Special Instructions:

25. The responsibility of Specification Section 078413 Penetration Firestopping shall be as follows: 1.07f Firestopping shall be responsible for any firestopping or smokestopping that is required as a result of penetrations in walls, floors or ceilings by conduits, ductwork, piping or other penetrating items provided by all contractors. All firestopping and smokestopping shall be provided by one manufacturer approved by the architect and owner. Identification of each firestopped/smokestopped area per the Technical Specifications will be strictly enforced.
40. Except where it has been identified as work by others (ex. duct penetration/openings on demolition plans), it shall be the responsibility of the MEPFP contractors to core drill or saw cut any existing walls where new duct, conduits, pipe/other routing enter or leave or pass through the building.
63. The MEP contractors are responsible for cut, cap and make safe. Unless specifically noted otherwise the building abatement and demolition contractor shall be responsible for all other MEP demolition shown on the FPD, PD, ED, MD Series drawings.

Add the following Special Instructions:

64. The sitework contractor is responsible for all excavation and backfill on the interior of the building (existing and new) and site as required by the concrete contractor, plumbing contractor, fire protection contractor, HVAC contractor and Electrical contractor. Each of the above contractors shall provide line and grade including markings on the ground (line) to the sitework contractor for excavation. With the line and grade given to the sitework contractor, it shall be the responsibility of the sitework contractor to obtain the proper depth and location of the excavation required. The sitework contractor is responsible for furnishing and installing all special bedding or backfill material requirements for the installation of underground plumbing, fire protection, mechanical or electrical items located within the building (existing and new) or exterior of the building that is specified in the plumbing/mechanical/electrical specifications or shown on the plumbing/mechanical/electrical drawings. Backfill/bedding shall be compacted by the site contractor to prevent settling of installation.

65. Where concrete slab removal is required for underground MEPFP installations in the building: The MEPFP contractor will provide centerline layout, the Demolition and Abatement contractor shall sawcut/remove/dispose of concrete (concrete trench width to be assumed at 3' wide), the sitework contractor shall excavate and provide proper backfill and compaction, the concrete contractor shall provide for replacement of concrete slab with connection to existing. The site contractor shall provide OSHA approved temporary cover at the work area which will be maintained by the contractor currently performing their work at all times, the temporary cover will be removed by the site contractor at the completion of the work.
66. Prior to demolition and abatement, the MEPFP contractors shall be responsible for disconnecting and making safe any and all utilities required so that the abatement and demolition work can be completed. If for any reason existing MEP systems need to remain temporarily or permanently (temp heat, systems to remain), the MEP contractors shall notify the CM and demolition and abatement contractor prior to and during the pre-demolition conference. After utilities have been made safe, unless specifically noted otherwise, it shall be the responsibility of the abatement and demolition contractor to perform all MEPFP building demolition work that is required including removal of roof top equipment. This shall include, but not be limited to, what is shown on the ASB, PCB, D, A, FPD, PD, ED, MD Series drawings.
67. The 1.26a Photovoltaic Contractor shall furnish and install the photo voltaic (PV) system in its entirety, including all cabling, conduit, supports, racks, PV panels, inverters, and any miscellaneous devices, components, etc. required to provide a complete and operational PV system including all hoisting, rigging and cleanup associated with the installation of the PV system as indicated on contract drawings PV1.00, PV2.00, PV3.00 & PV4.00. Work noted as "base bid" on these drawings shall be provided by the 1.26 Electrical Contractor.
68. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

u. Bid Package 1.26a – Photovoltaic

II. SPECIAL INSTRUCTIONS

Add the following Special Instructions:

11. The 1.26a Photovoltaic Contractor shall furnish and install the photo voltaic (PV) system in its entirety, including all cabling, conduit, supports, racks, PV panels, inverters, and any miscellaneous devices, components, etc. required to provide a complete and operational PV system including all hoisting, rigging and cleanup associated with the installation of the PV system as indicated on contract drawings PV1.00, PV2.00, PV3.00 & PV4.00. Work noted as "base bid" on these drawings shall be provided by the 1.26 Electrical Contractor.
12. The photovoltaic contractor will coordinate all installations with the Construction Manager and other trade contractors (specifically roofing and electrical) for a complete and coordinated photovoltaic system installation.

13. The photovoltaic contractor shall coordinate the installation of the photovoltaic system so as not to void warranty of the roof system being installed as part of the ongoing Buckley Elementary School project.

14. All contractors are responsible for providing OSHA-approved temporary protection while performing their work at the roof level.

2. Specification Section 006313 - Bidders' Prebid Requests for Information (Prebid RFI's)

Attached to this Addendum No. 7 is the CM Prebid RFI Log. All information contained in these responses is to be used by all contractors in the preparation of their bids and will form part of their scope of work.

II. REVISIONS TO TECHNICAL SPECIFICATIONS

Revise Technical Specifications per TSKP Studio Addendum No. 4, dated March 1, 2022, consisting of 3 pages, prepared by TSKP Studio, attached to this Addendum No. 7.

III. REVISIONS TO DRAWINGS

Revise drawings per TSKP Studio Addendum No. 4, dated March 1, 2022, consisting of 3 pages, prepared by TSKP Studio, attached to this Addendum No. 7.

IV. ATTACHMENTS TO ADDENDUM

Section 006313 – Bidders’ RFI Log	12
TSKP Addendum No. 4	3
Drawings	6
018113 Sustainable Design Requirements Attachment	4

END OF ADDENDUM NO. 7

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
1	1.26a		After looking over the attached documents and beginning the design for this project , Zackery from Greenskies, noticed that the "Solar Layout" does not match the current imagery of the roof. They seem to exclude several ac units and other obstructions which makes me wonder if there is going to be a re-roof. Do you have any information on this? Attached are the image of the layout and a satellite images for reference.	Existing roof mounted units are being replaced. New HVAC equipment, roof drains, etc. are shown on the plans.
1.1	1.26a		As mentioned the Helioscope and PV 1 drawings do not match total system kW. Also the specified Trina modules are no longer available. 1.Which kW are we looking to achieve with this system? (PV1 Panel layout quantified kW or Helioscope calculated ?) 2.Will an alternate package be acceptable at bid time? Or are the drawings being revised? We would be happy to put together an alternate for you. We just need to verify total system kW.	Refer to PV system summary for system size, generation, acceptable alternates, etc. Additional alternates are acceptable but cutsheets will need to be submitted and approved prior to bid.
2	1.26a		I wanted to confirm whether this project will be a front of the meter connection and therefore has no design limit or if it will be behind the meter and will be limited to building consumption. I tried to dig through the RFP material but did not see a sure answer. Lastly, I would like to know if the site owners are okay with tree removal or trimming. The southern (and largest) part of the building suffers heavily from tree shading.	This is a behind the meter connection.
3	1.07r		In my scope of work (items 29 & 30) there is mention of "typical coordination sheets" that shows which trade owns what regarding the install of the sheathing, blocking and batt insulation. Will you be providing these sheets?	Pending clarification memo forthcoming.
4	1.10, 1.11		According with 1.10 General Trades Package- Spec Section list, GT own 114000 Food Service Equipment Spec Section. This project also have a food service equipment package 1.11 that own the same spec section. Please clarify.	Work covered under specification section 114000 is to be provided Bid Package 1.11 Food Service Equipment.
5	1.10		Where can I find the smalls signage locations on the drawings for 101423 Signage spec section on Part2-Product Section 2. Sign point F. F. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows: 1. Character Material: Cast aluminum. 2. Character Height: 8 inch. 3. Thickness: Manufacturer's standard for size of character. 4. Finishes: a. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard, in color as selected by Architect from manufacturer's full range. 5. Mounting: Concealed flush mounting 6. Typeface: Helvetica Medium 7. Text: MEDIA CENTER, GYMNASIUM, STEM, CAFETERIA, ART, MUSIC Symbol: Provide two 8 inch by 16 inch triangles	Information on small signages are shown on A0.01 and A11.01 sheets. Refer to sketch PB_SKA-06 for cast alum. signage locations.
6	All		Are there liquidated damages?	Liquidated damages are \$1,000 per Section 003113 6. b.
7	1.11		Food Service Item 8 - Spec calls for Victory (model # incomplete) but eq schedule shows Traulsen Item 9 - Quantity on drawing = 3, schedule = 4 Item 17C & 20 - No sizes for shelving Item 24 - No model # listed for T&S faucet Item 47 - Need to clarify model numbers and colors	Item 8 - VICTORY Model RS-2D-S1* Item 9 - Quantity is (4) sinks, (1) in, tray wash area, and service area, and (2) attached to the #26 chase unit. Item 17C & 20 - Shelving to be 22" wide as specified. The lengths not shown.... To be verified by the KEC because of possible field conditions. Item 24 - T&S #B-0710-HW Single Sill Faucet with red hat water label. Item 47 -See 114000 spec's, Color by Architect / owner.
8	All, 1.10		1. Under 1.10 GT Bid Package- Special Instruction #36 says: 36. The general trades contractor is responsible for any and all structural framing that is not shown on the structural drawings and is required for the installation of any of the wheelchair lifts. We need Spec information and we need to know how many of wheelchair lift is in this bid. Please advise. 2. Under table of contents 003113 Project schedule and phasing section 2.G says: All trades must recognize the fact that due to phasing, some out-of-sequence work will be required in order to make systems in other phases operational. The cost of this out-of-sequence work is to be included in each contractor's base bid. We need to know the schedule of this out-of-sequence work. Please advise.	1. Disregard this instruction 2. This is a general note that may not apply. Schedule and Phasing plans issued via addenda.
9	1.05, All		1.What is the intended finish for the high roof canopy between grids A-B and G-F? 2.Will there be a steel staging/laydown area provided on site? 3.Are there any Buy America requirements?	1. Provide primer and paint. 2. See site logistics plan. There will be general laydown storage areas onsite. Specific trade requests will be coordinated with O&G Superintendent in the field. 3. No.
10	1.05, 1.08, 1.09, 1.09p, 1.10		1.Please confirm door #'s 019, 020 & 024 are wood doors, type D1 located in AL Storefront frames SF1,2 & 3. If wood doors who is responsible for hanging these doors? Please review and advise. 2.Door schedule on A11.01 shows door #'s 012, 102 & 134 as a wood door, type D4. Is this door type correct? Review and advise 3.Door #102.1 on A11.01 shows this door as AL type D4 door in F1 frame. Details show this frame as HM. Please review and advise on door type & material. 4.Who is responsible for the glass canopy? Also, please provide spec section for the glass canopy. We do not see one issued within the documents.	1. These are Wood doors. General Trades is responsible to supply and install wood doors. 2.Refer to TSKP Add. #3. 3. Refer to TSKP Add. #3. Revise door 102 and 102.1 to aluminium frame and panel. See PB_SKA-07 4. Framing is shown on structural. Refer to 088000 for glazing , new spec 086300 included in TSKP addendum #3 for alum frame and 099120 for painting spec. 4. continued: Structural Steel is by package 1.05, aluminum fram and glazing is by 1.08.
11	1.10, 1.11		I see Food Service package 1.11 and that spec 114000 Food Service Equipment is also in the GT package 1.10. I'm presuming it will be a separate package 1.11.	Specification Section 114000 Food Service is by 1.11 Food Service Equipment. Delete this specification section from Bid Package 1.10 SCOPE OF WORK B. SPECIFIC
12	1.04, 1.09, 1.10		Can you please clarify which bid package owns the Fluid Applied Membrane Air Barriers? Also who owns installing the doors and hardware?	1.09 Drywall and Acoustical is assigned 072726 1.10 is assigned 081416 and 087100

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
13	All		<p>1.I don't find a schedule for construction. I don't think we can quote a publicly read project when we have no idea when the schedule for steel/erection is? Am I overlooking it?</p> <p>2.I don't find the A310 (2010 Edition) bond form included</p> <p>3.I don't find the retainage % qualified for the bond</p> <p>4.I don't find anything about LD's applying or not</p> <p>5.I don't find the Wage Rate sheets included in 007343</p> <p>6.In "Instruction To Bidders", 8. Contract – it states AIA 201 Contract Agreement per Section 00 52 00 (Without Revision) to be executed with the Town of Manchester. Spec section 00 52 00 has AIA Contract Document 132 – 2019. Which is it?</p> <p>7.Form of Proposal, pg. 6, 1.05 – Structural Steel 27 & 28 appear to reflect UNIT prices. Under Allowances pg. 3, 1.05 – Structural Steel 26, 27 (same items) are reflected as lump some allowances with no place to record them on the bid form. Is this intended to be one or the other, or numbers for both allowance and unit pricing?</p>	<p>1. See addendum for bid schedule</p> <p>2. AIA A310 is not included in the bid documents</p> <p>3. Retainage is 5%. CHRO requires an additional 2% be held until the CHRO plan is approved by the State.</p> <p>4. Liquidated Damages are \$1,000 per day.</p> <p>5. See addendum #2</p> <p>6. 002113 Form of Proposal should state AIA 132. The sample agreement AIA A132 contained in section 005200 is the basis of the contract that will be issued between the Town and the Contractor.</p> <p>7. For this particular case, the unit prices are the allowance. (ex. Unit price 28 = \$1,500 EA = Allowance 28, 5EA x \$1,500 = \$7,500)</p>
14	1.09f	096566	Substitution Request: MomentumXT	Rejected.
15	1.10	122413	Spec Section 122413 Roller Window Shades question from one of our subcontractors: The specs indicated all windows except corridor vestibule gym or stairs get shades, but the finish plans show some other windows not receiving shades as well. Which should we be following, the plans or specs?	Refer to finish plans.
16	All		Please Clarify/Simplify Scope of Work Responsibility, By Trade, for Saw-cutting, Slab Removal, Excavation/Backfill/Compaction and Concrete Patch for UG Plumbing. 002413 BP1.22 Plumbing Special Instructions 14, 15, 16, 25, 28, 44, 45 and 46 all touch on this work and appear to be Contradictory. Please Clarify/Simplify.	<i>Instruction issued in Addendum 7. Demo and removal of slab is by 1.01 Demo and Abatement, excavation (and backfill/bedding/compaction) is by 1.02 Sitework, MEP work by trade requiring the work, concrete infill by 1.03 Concrete.</i>
17	All	1.09	Does bid package 1.09 Drywall own the spray foam insulation on this project?	Yes
18	1.05	S3.01, S3.03	See drawings S3.01 and S3.03 Pour Stop at Elevation 316-0. Is this gage metal, Bent Plate or Angle?	Gage Metal
19	1.10		<p>1.Spec Section 101100 Visual Display Boards. There are multiples TB- Tackboard and WB-Markerboards shown on some rooms on the floor plans without any elevation information. Its shows as TB4-TB6-TB8-WB4-WB6-WB8. These TB and WB shown on: -Drawing A1.01A, rooms Behavior 015, SCL WRK 014, Psyc 013, Speech 011, PT/PT 008, Lobby 012, Fmly Res 001, CONF 002, Lounge 005 -Drawing A1.01B, rooms Work Room 027, Resource 029 -Drawing A1.02A, rooms CONF 101C, Admin Recep 101, Admin Waiting 102 -Drawing A1.02B, rooms Reading 133, Library/Media 134(next to door#134), Office 134A, Video 134B, ELL 135 Are these products included on the scope of work? Please clarify</p>	TBs and WBs are 4' high unless otherwise noted on the drawings and are in the project scope. Installation height will be clarified by a RFI during construction.
20	All		Due to the PLA on this project there are several items in our scope that involves saw cutting, excavation, backfilling and slab replacement that should be removed and placed in the general trades scope. Those scope numbers are 6, 14, 15, 25, 36, 44 and 46.	<i>Instructions clarified/issued in Addendum 7.</i>
21	1.09	A4.21, 2/A4.24	Can you please have the design team confirm that the CFMF and Window Sill Blocking is structural strong enough to support the weight of the window.	Refer to addendum #2 for updated details.
22	1.10		<p>1.Drawing A1.02B, Seclusion Rooms 103B & 132A call for wall pads. Are these wall pads to be 6'-0" high as they are in the OT/PT Room and Gym or are they to be 8'-0" high? Experience has these types of rooms reflecting 8'-0" high and the door also being padded.</p> <p>2.Drawing A8.07, Elevation 2 (Gym-West) has a wall pad leader pointing to the door frame. Are these three doors to be padded? Experience has doors that open into the gym padded in most cases. Please advise.</p> <p>3.Drawing A8.07, Elevation 4 (Gym-East) shows removable wall pads across the retractable stage. To supply wall pads in this location requires pads the do not have plywood backers and are attached using "hook & loop" application. 1. Because of the weight of the wall pads (even without the plywood backer) these pads will not meet the same specification characteristics. 2. This application would require a strip of "Velcro" being applied to the finished floor of the stage. We would like to know if the architect has a particular design approach for these removable pads so as to avoid having the strip applied to the finished floor of the stage. Please advise.</p> <p>4.Are there structural drawings of the gymnasium? It is difficult to determine the attachment height of the ceiling suspended backstops and walk-draw divider curtain, especially with a drop ceiling. The backstops will require "cradles" and the walk-draw divider will require chain drop so as to get below the drop ceiling. This may cause an issue with the folding backstop, which is what we are trying to decipher.</p>	<p>1.6' H similar to GYM pads on walls and door panel. Secured to surface.</p> <p>2.Yes. Provide pads on doors.</p> <p>3.Understood. This was the intent.</p> <p>4.Location and height of existing structure should be field verified.</p>
23	All		<p>1.Please confirm demolition contract owns all structural demolition and abatement?</p> <p>2.Will free and clear access be given to areas of reinforcement/infill steel?</p> <p>3.Which package is responsible for the reinstallation of the existing wall rails at stair #3?</p>	<p>1. Bid Package 1.01 Demolition and Abatement provides all structural demolition and abatement in the building. Bid Package 1.02 Sitework provides site and utility demolition located on exterior of building.</p> <p>2. Access is based on jobsite conditions, safe access is provided by the contractor performing work. for the installation of all work.</p> <p>3. 1.05 Structural steel shall salvage (remove) and reinstall existing wall rails.</p>
24	1.05, 1.09p		<p>1. Please provide reinforcement for shorter joists. (S1.03A - 3 @ approximately 26', 3 @ approximately 13')</p> <p>2. Please confirm entrance glass roof canopy to be primer galvanized, finish coat by Painter in field.</p>	<p>1. Joist reinforcing detail has been updated, reference latest drawing. All steel at canopy to be primer galvanized. Reference Architectural drawings for additional information.</p> <p>2. Finish per specification in field by 1.09p Painting</p>

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
25	1.07r		<p>1. Can you confirm/clarify the extent of the demo/removal the roofer owns? (ref. Drawing D1.03, Roof Demolition Keynotes) I am assuming only demolition note # 1??</p> <p>2. In the roofers scope of work, special instructions, page 48, item # 26. Can you confirm there are NO column covers that the roofer is to furnish/install. The detail that is referenced (6/A151, does not exist).</p> <p>3. Please clarify what the roofing contractor is to furnish/install at parapet/wall assemblies. (ref. attached drawing A4.21 – typ/similar details)</p> <p>4. Who is to furnish/install the spray foam insulation at the roof deck as shown in detail 13/A4.22.</p>	<p>1. The roofer is responsible for note 1 on D1.03 as well as roofing removal at infills. All other demolition at roof area is by the demolition and abatement contractor.</p> <p>2. Instruction deleted in Addendum 7</p> <p>3. Clarification Memo to be issued</p> <p>4. Clarification Memo to be issued</p>
26	1.07r		Please confirm roof spec 076100 Sheet Metal Roofing is correct. Copper standing seam roofing?? (Just so you know that is about 450K more than using the standard red copper. Regular copper is going to patina over time?? Can you please confirm this is what the architect/owner wants. Please advise.)	Provide as specified.
27	1.09f		Dynamic Sports Construction, Inc. request the consideration, and approval of our DynaForce®8mm Flooring System in Lieu of and superior the product specified in above referenced section. Attached, you will find specifications for the proposed systems as well as recent DynaForce® installation photos sent for your review.	Rejected.
28	1.09	95113	Reference - Spec Section – 095113; Section 2.3 - ACT-1 Basis of Design – Armstrong Ultima High NRC. The Basis of Design (Armstrong Ultima High NRC) does not meet the NRC Rating of .95 which is listed in the spec. Also this tile does not have a square regular edge. The tile with the closest NRC rating would be Armstrong's Calla #2846 tile which has a NRC of .90 and does have the square regular edge (See attached). Please clarify if the Ultima High NRC tile is acceptable while not meeting the NRC rating and edge tile listed?	Refer to TSKP Addendum #2.
29	1.10		1. There are 3 side action security grills listed on the door schedule as SG1, SG2 and SG3. There is no spec or any details. a. Please provide a spec, details, etc. b. Please assign to a package	Refer to spec. 115000 for info on security gate.
29.1	1.11	114000	2. This is a standalone Food Service package 1.11. Spec 114000 Food Service Equipment is also in the GT package 1.10. Please clarify which package is providing 114000.	1.11 Food Service Equipment
29.2			3. Width of the copper composite panels (as currently drawn) exceeds the available width of available raw material. Max sheet width is 38". Max length is 196". Please provide revised layout to work within available material size.	Refer to TSKP Add. #3.
29.3	1.09		4. Width of the cement panels (as currently drawn) exceeds the available width of available raw material in some locations. Max sheet width is 48". Max length is 120". Please provide revised layout to work within available material size.	Refer to TSKP Add. #3.
29.4	1.10		5. Room 008 OT/PT – please provide structural & related ceiling detail to support the swing hook. a. Confirm the Steel package 1.05 will provide this support.	Pre-fab joist installation kit has been specified. Refer to spec. 115000. a. General Trades to furnish and install 2x10 (3 wide) header 10' long attached and braced to existing structure to accommodate joist installation kit.
29.5	1.10		6. Elevation 2/A8.04: a. Please confirm the work Cafeteria is simply misspelled (10 letter shown), and only nine (9) letters are required. b. This elevation shows three (3) arrows/triangles. Are these to be a cast sign item too? If so, provide intended dimensions.	Refer to PB_SKA-06.
29.6	1.10, 1.11		7. Please confirm the Food Service Package is providing the following items noted on K1.0, because the General Trade package is responsible for these items outside of the Kitchen: a. Soap dispenser & Towel Dispenser, Items #9, 10 b. Lockers, Item #16 c. Waste/Recycle Cans, Item #47 d. Washer, Dryer, Items #50 & 51 e. Mop Rack, Item #53 f. Corner Guards, Item #55	These items listed on K1.0 are by Bid Package 1.11 Food Service Equipment
29.7	1.02, 1.10		8. Please consider moving Spec 101401 Site Signage (PARKING SIGNS) to the Site package 1.02 because they are already doing excavation and backfill and site concrete.	See O&G Addendum 5
29.8	1.02, 1.10		9. Detail 04/C5.01 – the details calls for several items for these signs. Please define responsibility for each item, noting furnish or install as required: a. Excavation/backfill b. Concrete footing c. Concrete filled steel bollard d. Bollard sleeve cover e. Sign post f. Two parking sign panels.	See O&G Addendum 5. 101401 Site Signage is by the sitework contractor.
29.9	1.02		10. Detail 06/C5.01 calls for two sign panels, the parking sign and the van accessible, where appropriate. C1.12 Sing Legend D only calls for the parking sign. Please define the number of van accessible spaces.	Four total van accessible spaces. Confirmed on parking data table on sheet C0.00. Since van accessible spaces vary in dimensions, the four spaces are called out with a leader on sheet C1.12.
29.10	1.02		11. C1.12 Handicap Parking Sign detail: a. The three (3) handicap parking signs at the east parking note details 04,06/A5.01. b. The three (3) handicap parking signs at the west parking do NOT note details 04,06/A5.01. c. Please clarify if ALL six (6) are to be installed per 04,06/A5.01, or only the east; and the west are installed per 07/C5.01, Signage and Pavement Marking Note #7.	All six accessible parking signs to be installed using details 04 and 06 on sheet C5.01.
29.11	1.02		12. C1.12 notes approx. ten (10) conditions where 2 sign panels are to be installed on 1 post Please provide a detail for this condition, because Detail 07/C5.01 only shows 1 sign panel. Example: at the north entry of the west lot, Type C & I on one post & C & H one post	Any sign installed on a post adjacent to the sidewalk must have a minimum vertical clearance of 7' (measured from the bottom of the sign to top of the sidewalk). If two signs are proposed to be installed on one post then a minimum vertical clearance of 7' is required from bottom of the lowest sign to the top of the sidewalk. The second sign would then be mounted directly above.
29.12	1.02		13. Spec 101401 – please confirm all the custom sign panels are to be aluminum.	
29.13	1.10		14. Elevation 9/A8.03 – please clarify if there are 1 or 2 u/c refrigeration/freezer appliances.	Provide Two
29.14	1.10		15. A1.01A Room 023 calls for single tier lockers. Spec 105113 calls for double tier, which we find in the corridors. Please provide single tier spec, or confirm double tier.	Refer to TSKP Addendum #3.

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
29.15	1.10		16. Please confirm the corridor lockers have a FLAT (not sloped) top. The elevation show flat top and the RCP notes a soffit but does not provide an elevation.	Refer to TSKP Addendum #3.
29.16	All		17. Drawings A1.02A Room 110 note elevation 5/A8.04. This elevation does not look correct. Please clarify intended elevation.	Reference removed.
29.17	1.05, 1.10		18. Detail 11/A4.32 – please confirm the tube steel support (for the coiling grille) is provided by the Steel Package 1.05.	<i>This tube support steel for the coiling grilles are specific to 083326 and are to be provided by 1.10 General Trades.</i>
29.18	1.10		19. Floor Plans – Plan Legend and Notes #6 – please clarify the corner guard scope. a. This note refers to ALL corners in CERTAIN public areas. b. The Interior Elevations note corner guards at locations, but not all. c. The Floor Plans note corner guards at specific locations, but not all.	In addition to CG shown on drawings, refer to updated note on the floor plans. PROVIDE 7' HIGH CORNER GUARDS ON ALL GWB WALL CORNERS AT ALL PUBLIC AREAS SUCH AS CAFETERIA, BREAKOUT ROOM, LIBRARY / MEDIA, RAMPS, CORRIDOR ENTRANCES OF BOYS & GIRLS RESTROOMS AND CORRIDORS.
29.19	1.10		20. Spec 102123 Para 3.2B calls for track to be in 1 continuous length, requiring shipping a large L-shaped track. Please clarify if the radius corners can be separate piece (requiring a splice), which I will save shipping costs.	OK to provide separate radius corners.
29.20			21. Spec 102123 – please provide a Basis of design fabric in order to provide pricing.	Pricing can be provided based on one of the manufacturers specified.
29.21			22. Spec 102800 does not have a spec for Baby Changing Station. Please provide.	Refer to TSKP Addendum #3.
29.22	1.08, 1.10		23. A7.01 & A7.02 – please confirm the frameless mirrors (TA #9 & 12) are provided by the Glass Package #1.08.	By 1.10 General Trades
29.23	1.10		24. A7.01 & A7.02 – we did not find these toilet accessories on the drawings. Please confirm there are NONE, or provide intended count: a. #6 Swing up Grab Bar b. #7 Grab Bar Shower c. #10 Sanitary Napkin Disposal	- Remove grab bar shower from toilet accessory key and indicate "NOT USED" for item 7. - Insert following note; " TOILET PAPER DISPENSER IS TO BE INSTALLED IN ALL TOILETS AND TOILET COMPARTMENTS." - Swing bars to be provided and installed for Toilets 028, 103B and 129 - Sanitary Napkin Disposal to be FURNISHED and installed in Toilets 028, 101D, 103B, 129 and 131.
29.24	1.10		25. Many accessories were note specifically noted on the drawing, so we made these assumptions. Please confirm or correct: a. One OFCI TP dispenser per toilet b. At each HC toilet, provide (3) Grab bars - 18", 36" & 42" (no swingup)	All single toilets and HC compartments to receive grab bars. See item above for swing up bars and toilet paper dispenser.
29.25	1.10		26. Elevation 3/A8.07: a. please clarify if the window jambs are to have gym wall padding. b. please clarify if the window sills are to have gym wall padding.	a. Yes. Refer to 4/A4.06 indicating wall pads at GYM window jambs. b. Yes. Refer to 8/A4.24 showing window pads below sill.
29.26	1.10		27. Room 008 OT/PT – Please confirm the 6' high wall padding is the same for the specified gym wall padding.	OT /PT will have 6' HIGH REMOVABLE WALL PADS.
29.27	1.10		28. Seclusion Rooms 130A & 132A: a. Please provide wall pad heights. b. Please confirm the doors do NOT have wall padding. c. Please confirm the wall padding is the same for the specified gym wall padding.	6' high wall pads similar to GYM and installed on walls and door panel. Panels to be secured to walls and door panels, so kids can not remove them in seclusion rooms.
29.28	1.10		29. Gym divider curtain height – RCP notes the heights of 17'5" & 17'6"; spec 116653 Para 2.4E calls for 19' curtain height. Please clarify the curtain height.	17' -6"
30			Please review and respond to the questions below relating to the site scope for Bowers Elementary, Manchester, CT a. Will a proposed construction schedule be released to be considered for bidding purposes. b. Will a more broken down scope sheet be released than page 28 of volume 1 specs so that all contractors are bidding the same scope. c. The site plans clearly show curbing, details provide for five different curb types as options, which curb type should be carried for bidding? d. 321313 - Cast in Place Site Concrete – Is site proposal to include the concrete forming and pouring for all site walls/amphitheater/seatwalls/stairs etc or will that be awarded to the concrete foundation contractor and the site package is to only include all excavation/prep/backfill? e. There are a Pre-K play area and playscape area noted on site plans, with no clarification of the scope in these areas. Please provide either details or note that they are excluded. If areas are included, will there be playground structures included, and will the purchase and installation be included in the site scope. f. Basketball Court – specs are vague, will this include court painting above and beyond lines only? g. Site amenities – please provide product information for the basketball hoop, nothing in specs, plans only show footing detail	a. see previous addendum b. Question to vague to answer c. Unless otherwise noted, all curbing shall be Pre-Cast Concrete Curb. d. See sitework and concrete scope of work. and response to PreBid RFI 96. e. Playground equipment, its structure and finish grade will be furnished and installed in a later phase bid separately from this project. The contractor is responsible to provide fencing, its curb and subgrades as defined in civil drawings in this project's scope. f. The Basketball Court shall be painted with white acrylic paint. All lines shall be 2" wide and per the detail on Sheet C5.04. g. See Specification Section 116800 - Athletic Equipment for Basketball Hoop reference specification.
31	1.22, 1.23, 1.26		Reference MEP Demo a. Please confirm that the MEP contractors own cutting, capping and making safe for removal by others b. See attached sketch from P1.01A Lower Level A Plumbing that does not have a TAG or show water piping to the Cafeteria water fountain. Please provide.	a. Revised instruction to be issued. MEP will provide cut/cap/make safe for demo by 1.01 b. Refer to PB_SKP-4
32	All		The specified copper standing seam is VERY expensive, not to mention hard to get pricing on the specified weathertight warranty. Are you sure this is what the town/architect wants? Not to mention the (12) month lead time on the copper right now. I would think getting a copper colored aluminum panel would be much more cost effective and a lot less lead time a. Can you confirm/clarify the extent of the demo/removal the roofer owns? (ref. Drawing D1.03, Roof Demolition Keynotes) I am assuming only demolition note # 1?? b. In the roofers scope of work, special instructions, page 48, item # 26. Can you confirm there are NO column covers that the roofer is to furnish/install. The detail that is referenced (6/A151, does not exist). c. Please clarify what the roofing contractor is to furnish/install at parapet/wall assemblies. (ref. attached drawing A4.21 – typ/similar details) d. Who is to furnish/install the spray foam insulation at the roof deck as shown in detail 13/A4.22. e. Please confirm roof spec 076100 Sheet Metal Roofing is correct. Copper standing seam roofing??	a. revised instruction to be issued b. remove this instruction c. Clarification Memo to be issued d. Clarification Memo to be issued e. Provide as specified.

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
33	1.09	97200	Spec Section 097200 Special Wall Covering and panels calls for Fiberglass reinforced plastic panels (FRP). The only place where I found this material is on A10.01A Finish floor plan at 016 Kitchen Room. I was not able to find any information on the floor service plans. Please clarify,	Correct,. All wall surfaces, full height, to receive FRP in kitchen as shown on finish plans.
34	1.10	ce	1.Spec Section 101100 Visual Display Boards. There are multiples TB- Tackboard and WB-Markerboards shown on some rooms on the floor plans without any elevation information. Its shows as TB4-TB6-TB8-WB4-WB6-WB8. These TB and WB shown on: -Drawing A1.01A, rooms Behavior 015, SCL WRK 014, Psys 013, Speech 011, PT/PT 008, Lobby 012, Fmly Res 001, CONF 002, Lounge 005 -Drawing A1.01B, rooms Work Room 027, Resource 029 -Drawing A1.02A, rooms CONF 101C, Admin Recep 101, Admin Waiting 102 -Drawing A1.02B, rooms Reading 133, Library/Media 134(next to door#134), Office 134A, Video 134B, ELL 135 Are these products included on the scope of work? Please clarify	All TBs or WBs are included in project scope and to be 4' high unless otherwise noted on drawings. Installation height to be determined with a RFI during construction.
35	1.10	122413	1.Spec Section 122413 Roller Window Shades question from one of our subcontractors: The specs indicated all windows except corridor vestibule gym or stairs get shades, but the finish plans show some other windows not receiving shades as well. Which should we be following, the plans or specs?	Furnish and install as shown on finish plans.
36			NOT USED	
37	1.10, 1.11	114000	According with 1.10 General Trades Package- Spec Section list, GT own 114000 Food Service Equipment Spec Section. This project also have a food service equipment package 1.11 that own the same spec section. Please clarify.	Food service equipment is by 1.11 Food Service Equipment
38	1.10		Where can I find the smalls signage locations on the drawings for 101423 Signage spec section on Part2-Product Section 2. Sign point F. F. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows: 1. Character Material: Cast aluminum. 2. Character Height: 8 inch. 3. Thickness: Manufacturer's standard for size of character. 4. Finishes: a. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard, in color as selected by Architect from manufacturer's full range. 5. Mounting: Concealed flush mounting 6. Typeface: Helvetica Medium 7. Text: MEDIA CENTER - GYMNASIUM - STEM - CAFETERIA - ART - MUSIC - Symbol: Provide two 8 inch by 16 inch triangles. Please clarify	Refer to PB_SKA-06.
39	All	002113	Would the Bid Bond for Bowers be made out to O&G or Town of Manchester? Thanks	Bid Bonds are to be made payable to the Town of Manchester, refer to Section 002113 Instructions to Bidders, para. 2.
40	1.05, 1.08		Steel and Glass Canopy 1.Is there a project schedule? It was not in the bid docs. 2.What is the Glass Assembly? It is not shown in Spec 088000. We would be happy to provide one, just let me know. 3.Can the aluminum mullions be substituted for clamps? It would have dissimilar metal issues, plus it would be a cleaner application. 4.For scope definition. Please confirm. a.Includes outriggers from the canopy to the primary steel columns b.Excludes the primary steel columns c.Excludes wall, panel, insulation, waterproofing.	1. Schedule issued 2.Spec 088000 , 2.10/B 3.Provide per drawings and spec 086300. 4. Steel and glass canopy to be provide3d per plans and specs.
41	1.10		Scranton Products: We respectfully submit for your consideration a request to approve products as an accepted substitute on Bowers Elementary School Renovation (21-777745); please find substitution request form attached.	Rejected for lockers.
42	1.05		When is steel required onsite? Also, any idea on retainage amount?	See schedule. Retainage is 5%. CHRO requires an additional 2% be held until the CHRO plan is approved by the State.
43	1.07f		Not much fire rated here for our package, through penetrations and wall to wall to wall joints in fire rated walls w/TOW in Drywall and Mason's BP. Do you plan on adding any additional work to our package as I don't see any RFIs.	Revised instruction to be issued
44	1.08	A5.01	1.What type of glass is shown in frame CW21 shown on A5.01 above the doors. This glass type is not indicated in the window legend shown on A5.01. Please review and advise. 2.Storefront frames SF-1,2 & 3 are interior storefronts. Is the glass labeling correct for these frames? Should these be 1" insulated or 1/4" Lami. Review and advise on glass type.	1.Change to insulated glazing. 2. Insulating laminated glass for Interior Storefront. Refer to TSKP Add. #3.
45	1.02, 1.26	SP1.01	1.Drawing SP1.01 shows 2 Electrical Vehicle Charging Stations. I can not locate any info on these in the specs or on the drawings. 2.Also please confirm what bid package will supply them.	1.Refer to updated spec 260500 included in TSKP Add. #3 2. 260500 is by 1.26 Electrical
46	1.26	C5.02, EP2.05, SP1.01	1.Drawing C5.02 Detail #4 indicates a flagpole light and the lighting schedule on drawing E5.01 has a part number the problem is that there are no flagpole lights shown on drawing UE1.0 or circuiting for them. please advise if there will be any flagpole lights. 2.Please advise on the conductor sizing for the External Ground ring shown on drawing SP1.01. 3.Drawing EP2.05 calls for 3000 amp bussing in the main switchboard and the specifications call for 2000 amp please advise on the correct bussing. 4.Drawing EP2.05 indicates feeder F1 to be 5 parallel sets of 600 mcm while the specifications call for 8 parallel sets of 350 mcm please advise.	1. Type FF fixture is shown on UE1.0, in the middle of the four SC fixtures. SHALL BE 4/0 AWG CONCENTRIC STRANDED BARE COPPER CABLE. 3. EP2.05 IS CORRECT, 3000A BUSSING. 4. EP2.05 IS CORRECT, PROVIDE 5 SETS EACH OF 4#600 KCMIL COPPER. 2. GROUND RING

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
47	1.26, 1.26a		<ol style="list-style-type: none"> 1.Please clarify PV scope BP 1.26a Drawing EP2.06indicates conduits by BP 1.26a Drawing PV3.00 indicates PV conduits by 1.26 2.Scope item #6 calls for electrical contractor to carry 40 hours for patching masonry. I don't think we can perform this work under a PLA please confirm. 3.Confirm substitute equipment is allowed for IP Network Video, PA and Clocks. Over at Buckley they provided a change order to purchase a specific vendor to match the rest of the town 4.Drawings are showing SE 50KW inverters. Due to supply chain issues would SMA 50KW be acceptable with the installation of a Transformer and RSD Tigo's? 5.Drawing's reference Canadian Solar 430w modules as BOD. Would an Equal alternate be acceptable? Q Cell, Jinko Solar, or Trina Solar based upon availability at time of project? 	<ol style="list-style-type: none"> 1. Clarification to be issued. Intent will be that "base bid conduit is by 1.26 Electrical 2. The hours will be converted to dollars pere the labor rate and the value used by the correct trade (coordinated by the CM) 3. Substitutions are listed in the IP Network Video, PA and Clocks spec sections. 4. Please submit proposed alternate cutsheets, and any additional changes to system required for that change, for approval prior to bid. 5. Alternates have been added to the PV system summary, additional alternates are acceptable but cutsheets will need to be submitted and approved prior to bid.
48	1.08		<i>Please provide spec section for the Insulated metal panels shown within our curtainwall systems. We do not see a spec section provided for these. Review and advise.</i>	<i>Custom formed 18 GA alum panel matching window frame inserted into glazing pocket as shown on details.</i>
49	1.01, 1.05	S3.04,S1.02B	<ol style="list-style-type: none"> 1. Please confirm that joists to be connected back to new roof canopy column per detail 8/S3.04 to be shored by others. 2. Please confirm that joist bridging will be removed and reconnected per detail 3/S1.02B by others. 	<ol style="list-style-type: none"> 1. All demolition and shoring in the building is by 1.01 Demolition and Abatement. 2. This specific surgical demolition 3/S1.02B is to be performed by 1.05 Structural Steel. 1.05 is to re-install bridging after required work is completed. 1.05 to provide temporary bridging as required during removal period.
50	1.22	PI.02B	Drawing PI .02B note P40 calls for 2" cold water drop, yet the water main is only 1 1/4". Please review & advise.	Please refer to TSKP Addendum#3
51	1.22, 1.26		<ol style="list-style-type: none"> 1. Which Bid Package Furnishes the Electric Heat Trace for the Grease Waste Piping? 2. Which Bid Package Installs the Electric Heat Trace for the Grease Waste Piping? 	1 + 2.: Electric heat trace for the grease pipe shall be furnished and installed by the Electrical Contractor. Please refer to specification Section 22 05 00.
52			Please provide the retainage percentage for the monthly progress payments.	See previous response
53	1.04	002413	<ol style="list-style-type: none"> 1. Masonry Scope 15 – States to extend all existing masonry partitions to deck and to seal and firestop. I can't find this on the drawings. Further it calls for allowance (for work not shown) but there is no allowances for masonry. Please clarify. 2. Masonry Scope 26 - On any wall section where bituminous damp-proofing or air infiltration/vapor barrier is called for on metal stud or masonry backup, the masonry contractor shall furnish and install these barriers. Would mason own AVB at metal panels and fiber cement panels ? 	<ol style="list-style-type: none"> 1. Scope revised in instructions 2. Clarification Memo to be issued
54		05200	<ol style="list-style-type: none"> a. In the contract form that you will sign as the winning bidder, there is reference to an Exhibit A - Insurance and Bonds. However, the exhibit is not provided. Is there a way you can get your hands on a copy? b. The specs do provide a sample Certificate of Insurance that spells out coverages, limits and forms that are required but I need to see this exhibit to make sure we are addressing/meeting all requirements. 	<ol style="list-style-type: none"> a. refer to section 007316 and 006113 b. a. refer to section 007316
55	1.01, 1.05, All	S1.02A	<ol style="list-style-type: none"> 1.Please clarify/provide more information regarding duct penetration note on S1.02A along column line B. Please provide quantity or detail. 2.Please confirm shoring for existing joists per detail 3/S3.03 to be by others. 3.Rebar scanning for post installed anchors by others? If not, will GPR scanning be acceptable? 4.Please provide further information on mechanical, electrical equipment, and steel framing/supports not specified in other sections per spec section 055000 – Metal Fabrication. 	<ol style="list-style-type: none"> 1. At existing bearing walls, where duct penetrations are 12" or less below the joist seat, the existing wall is to be reinforced as called for. B. Reference MEP drawings for locations. 2. Shoring for demolition work is to be provided 1.01 Demolition and Abatement. 3. Rebar scanning to be by contractor performing required work. GPR acceptable 4. Refer to construction documents.
56	1.21, 1.22, 1.23	P1.01A, P2.01, P3.01	Drawing P1.01A, P2.01 & P3.01do not show a backflow preventer on the water main. Please review & advise.	Backflow preventers serve mechanical systems are shown on 3/P2.01 Backflow preventer serves sprinkler system shown on the Fire Protection Drawings
57	1.08, 1.09, 1.10	098413,102800,102800,105113,115000, S-4100,A1.01A	<ol style="list-style-type: none"> 1.Spec Section 098413 Fixed Sound-Absorbing Panels. According with the basic of design information you are calling for S-4100 High Abuse Wall Panel by Sound Seal. Please note that S-4100 is no longer available from Sound Seal; the replacement is S-4000. 2.Spec Section 102800 Toilet Accessories which package owns 30"x60" framed Mirror shown on floor plan A1.01A rooms 011 speech and 013 PSYC Rooms. Please clarify 3.Spec Section 102800 Toilet Accessories, does 1.10 GT own toilet accessories item # 9&12 frameless mirror? The spec only calls for mirror with frame. Please clarify 4.Spec Section 105113 Metal Lockers, who owns Single tier lockers on 023 Cust Room, the spec calls only for double tier lockers. Where can I find more info regarding size and material for these single tier lockers? Pleas clarify. 5.Spec Section 115000 Miscellaneous Equipment, I was not able to find any AED Defibrillator & cabinet. Please indicate the location or quantity. 	<ol style="list-style-type: none"> 1.Refer to TSKP Add. #3 for updated spec. 2.1.10 General Trades 3.1.10 General Trades 4.Refer to TSKP Addendum #3 for updated spec.. By 1.10 General Trades 5.Corridor side of Health 103. Refer to 4/A8.05.
58	1.08	88000	Please provide glass make up/thickness for the Armorgarde glazing called out in spec section 088000 2.12 Security Glass Type. We do not see this information provided, please advise.	Provide as specified.
59			<i>Detail 5 on S2.02 calls for High Density Rigid Insulation. There is no spec for this</i>	<i>Foamular 600 High compressive strength rigid foam insulation. To be provided by 1.02 Sitework</i>
60	1.21, All	210500	<ol style="list-style-type: none"> 1. Spec Section 10500 Section 1.4 (K) states "cutting of holes through concrete and block walls" are excluded from the fire protection scope. Is this true? 2. Will the use of flexible sprinkler drops (Flexheads) be allowed? 3. What is the state funded portion (%) of the CHRO requirements for this project? 4. The structural notes say that the project is in a "Seismic Category "B" zone." Per NFPA 13, seismic bracing is not required. Please verify. 	<ol style="list-style-type: none"> 1. No, see revised instruction "Except where it has been identified as work by others (ex. duct penetration/openings on demolition plans), it shall be the responsibility of the MEPFP contractors to core drill or saw cut any existing walls where new duct, conduits, pipe/other routing enter or leave or pass through the building," to be issued 2. Yes, flex hoses are acceptable when installed per manufacturer's recommendation 3. State Funded Portion of Contract Value (66.43%) 4. Seismic Bracing is not required
61	1.02		<ol style="list-style-type: none"> 1. What is the height of the fence in the courtyard? 2. There is a spec section for Metal Fences and Gates (Ameristar Montage Plus), I can't find this material anywhere on the plans, there is also no detail in the plans. Is this material located or required anywhere on the project? 	<ol style="list-style-type: none"> 1. 5' height chain link fence and gates. 2. This item has been eliminated from the project.

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
62	1.05	D103,A103A&B,S103A,S103A	The hatched areas as shown on drawing D103, are listed as removals of roof top equipment, with no mention of removing the existing roof and metal deck. Drawing A103A & B show the same hatched areas as D103, but now call them out as new roof infills. The only area shown on the steel plans as an infill is at the chimney demo area on S103A between grid lines 111 & 12. Please verify if the other (11) infill areas as shown on A103A & B, are to be assumed as deck infill with support angles as shown in section S/S103A, or the typical roof infill details on S5.00	Existing roof deck to remain on those area, if feasible (VIF). A new deck to be installed per detail on S5.00, and existing roof system to be patched and repaired as shown on 4/A1.03A. Similar detail is applicable areas where existing roof drain and vents are removed (VIF).
63	1.04, 1.05, 1.09		<i>Please verify the light gage clips and struts as shown on S6.00 are not provided by structural steel bid package</i>	<i>Referring to the details typical on S6.00: all 12ga bent plates, clips, angles, etc.. shall be provided by the structural steel contractor. All 16ga is to be provided by the drywall and acoustical contractor. All other reinforcement, clips, anchors indicated in the details on this drawing shall be provided by the masonry contractor.</i>
64	All	012300	<i>-Bid package No1.02 Sitework bullet point #12 mentions alternates No. 1 and No. 2 per section 01 23 00. This section does not exist in the specifications package and the drawings do not call for alternates. Please clarify.</i>	<i>Alternates are listed on the Form of Proposal 004200. Provide pricing as required, necessary.</i>
65	1.08	074243,A4.04	1. Please clarify that 074243 - Metal Composite Wall Panels are the responsibility of the General Trades Contractors as listed in Bid Package 1.10 2. Please provide additional information with regards to the Glass Canopy detailed on A4.04. There is no information with regards to this system in any of the specifications.	1. See addendum #5 2. System components have been indicated in drawings and specifications.
66	1.01, MEPPF		1. Please have the design team provide pipe sizing for the heat pumps. 2. Please confirm the all mechanical equipment, including roof top equipment will be removed by the demo contractor	1. Please refer to drawing P4.01 for Heat pump piping diagram and pipe sizes 2. Revised instructions issued, rooftop equipment to be removed by 1.01 Demolition and Abatement
67	1.05	S1.02B,S5.00	1. Typical joist reinforcing detail "RJ" per 2/S1.02B has a note to provide angles as shown in "Typical Joist reinforcing detail at concentrated loads" which was removed from drawing S5.00 in Addendum #1. Would you be able to confirm that angles are no longer needed at concentrated loads at existing joists? 2. Would you be able to provide ladder heights and a detail for the tunnel access ladders? Will floor hatches be provided by others?	1. Detail on S1.02B has been updated to indicate additional reinforcing angles. 2. Assume 5' for bidding purposes
68	1.05	S3.07	Please reference drawing S3.07, details for new roof drain openings 1 & 2. Please verify what existing roof plan areas have the bulb Tee framing, and which are beams and joists.	This is to be VIF.
69	1.10	122413,A4.05/6	Media Center - Bottom of Window is 7.6' off the ground. Shade is mounted inside the window well. Please note that optimum manual shade operation is a vertical pull, not a pull at an angle. With this installation, it could cause issues with the operation of the shade. 1. This is a possible location for Motorized Shades? 2. Is there a Fascia or Pocket with Closure required?	Provide as specified.
70	1.05, All	S1.02A	On S1.02A in the clouded area on the attachment, please explain what has to be done here by raising the joist here.	Existing joist seats are to be built up to required elevation.
71	1.10, 1.02	115000/101401	Spec Section 115000 Miscellaneous Equipment. One of the distributors of LL Kilns has some questions regarding the kilns for this project. The E23T kiln is a 3 inch brick, L&L kilns is not selling 2.5 inch brick due to supplier issues. I can quote the E23T-3 BUT I need the voltage and phase. I will quote the furniture kits too, that is the posts and shelving to stack the pottery on while in the kiln. This is needed. I can quote 1 vent sure and the vent doubler BUT if you are using the double and 1 vent sure you cannot have a vent control. You can have a vent control if each kiln has its own vent sure and no doubler is used. 1. Can you let me know if you want 2 vents each with the vent control or just one with the doubler and no controls? 2. Spec Section 101401 Site Signage. Please verify if General Trade Package own Site Signage.	1. one for each, no doubler. 2. Spec Section 101401 Site Signage by 1.02 Sitework.
72	1.02	321313	Spec Section 321313 states that the site rebar is to be epoxy coated, while the mesh is to be plain. However, C5.04 says the rebar is to be uncoated. Can you please verify if epoxy-coated reinforcement will be necessary? If so, please clarify	The walls don't require epoxy coated reinforcement but the rebar for the stairs and sidewalk shall be epoxy coated.
73	1.02		1. The sidewalk on Henry Street that runs along the school is not shown to be removed and replaced, but is included in the limit of disturbance and there are faint lines that make it look like it's getting replaced with new ramps and ada tiles? Please advise. 2. It looks like all the gas lines to the building get removed but not replaced. I realize the building is going solar and geothermal, does this eliminate the need for a gas service? Please advise. 3. How much oil should be figured to remove from the 10,000 gallon tank and transferred to another town tank? 4. Is this oil tank fiberglass or steel, single wall or double wall? 5. There is an 18" sugar maple in the bus loop parking lot denoted to be saved, please see the following from our arborist - There is one 18" DBH Sugar Maple indicated for Tree Preservation on this plan. Based on the Layout and Landscaping Plan, it appears there will be the potential for a significant amount of root loss due to excavation for improvements. As this tree is currently in an open area with free running roots, impacts to the roots on the west side of the tree may be significant. This will likely kill this tree due to its nature. Please advise.	1. Only minor portions of sidewalk along Henry St to be replaced including at proposed egress locations. 2. Yes, solar and geothermal eliminate need for gas service. 3. 1,000 gallons 4. Refer to spec 026500. 5. Agreed, however, we are proposing to keep tree to remain. May require additional protection from construction activities.
74	ALL		<i>Is there any work inside the existing building included in the site work bid package? The specs note electrical and plumbing are responsible for their own E&B inside the building.</i>	<i>Revised instructions issued. Due to PLA, excavation in building for UG MEP will be by 1.02 Sitework</i>
75	1.01, 1.06, 1.10		<i>Several elevations have notes that read 'RELOCATE EXISTING WARDROBES' (see A8.02/19, A8.02/24, etc.). Please confirm that this will not be the responsibility of the millworker and will be by another package.</i>	<i>Salavage and relocation is by 1.06 Architectural Woodwork</i>
75.1	1.06		Elevation A8.03/13 has a note that reads '9 EQ SPACES' but there are only 8 cubbies shown. Please confirm which is correct, 9 equal spaces for cubbies or 8 cubbies.	Changed to 8 EQ spaces
75.2	1.06		Details on drawings A9.01 & A9.02 have notes that read 'WOOD VENEER DRAWER FRONTS W 3MM PVC EDGES'. This will add extra costs because we will need to tape the edges to finish the cabinets. Please advise 3mm wood tape instead of 3mm PVC would be acceptable	Ok. Acceptable.

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
75.3	1.06		Specifications do not identify a manufacturer or colour(s) for plastic laminate, but instead indicate they are to be chosen later from the full range of colours & finishes. The default stipulation per AWI is for non-premium-priced standard pattern, colour, and finish high pressure decorative laminate (HPDL). Please confirm it is acceptable for the millworker to allow for North American laminates that meet the default stipulation. If not, please provide manufacturer and colors including finishes.	See 064023, 2.1 D.1.a
75.4	1.06		Due to adverse reaction of some veneers laminated to fire-rated (FR), low emitting formaldehyde (ULEF or NAUF) particleboard or MDF cores, causing discoloration of the wood veneer even months after installation, major core manufacturers have issued disclaimers in the use of FR cores. They strongly suggest that use of FR ULEF/NAUF particleboard and MDF cores should be done only after testing compatibility of adhesives, wood veneer and cores and consulting with the board suppliers. Discolouration of veneers caused by use of FR ULEF/NAUF particleboard and MDF cores is not the responsibility of the millworker or board suppliers.	See 064023, 2.2 A.2
75.5	1.06, 1.23		Recently we have noticed O&G bid packages including this "the architectural woodwork contractor is to provide additional environmental controls (specifically, humidity & temperature) beyond what HVAC provides if needed to meet AWI requirements". The millworker is not responsible for providing or maintaining environmental controls. Per AWI the GC (or CM) is responsible.	Humidity control by 1.23 HVAC should be sufficient. If additional humidity control is required due to job conditions notify CM immediately.
75.6	1.06		<i>Please confirm that this project will be awarded to an FSC-certified millwork company. Companies who are not certified cannot maintain the chain of custody, meaning that, although they may have purchase FSC-certified wood, the project will not receive any credit for anything that has been fabricated from it. As soon as an uncertified millworker takes possession, the chain of custody is broken. If the intent is to award this project to an FSC-certified millwork company, please confirm that bidders must be certified at time of tender.</i>	<i>Omit FSC certification requirements. See TSKP Addendum 4</i>
76	1.23		1. Drawings M6.01 and section 233700-2.1.6 indicates that Geothermal Heat Pump Units shall be provided with field installed controller. Could not locate reversing valve control sign on drawings M6.01 points list. Should point list include binary output control signal for reversing valve control? 2. Drawing M6.01 indicates that ATC shall monitor geothermal control valve position via analog input control signal. Since the valve is two-position type per Section 233700-2.1.21, should the control signal be binary input instead? 3. Section 233700-2.1.21 indicates Hose-Kit & Piping Package will be furnished with a 2-way, two position geothermal condense water control valve. Drawing M6.01 indicates that ATC shall pick-up valve position via analog input control signal. Please confirm valve is provided with valve position feedback control signal or with end-switch since valve is two-position. 4. Note 1 on Heat Pump Unit sequence of operations indicate that each heat pump shall be furnished with a pilot light interface for compressor operation. Since compressor run status is monitored at the Alerton central campus wide operator work station, would it be acceptable to omit the use of a local pilot light feedback? 5. Drawing M6.01 indicates that ATC shall monitor occupancy sensor status. Sequence of operations and points list (1) occupancy sensor status per zone. However, several rooms utilize multiple occupancy sensor. It's our understanding that (1) Occupancy sensor per zone shall be monitored ever if multiple occupancy sensor is utilized. Please confirm. 6. Drawing M6.01 indicates T1 and T2 symbols. Could not locate T1 and T2 symbol on drawings. Please provide direction regarding T1 and T2. 7. Geothermal sequence of operations calls for F-3200 with matching temperature sensors for BTU calculations. Specification calls for F-1200 flow meter with System -10 BTU meter. Please confirm F-3200 with matching temperature sensors for BTU calculation is acceptable. 8. Per M6.05 Homepage remarks note #1, ATC to provide touchscreen with LCD display. However, the touchscreen isn't included in the specification document. Please confirm if 43" touchscreen with standard mount is acceptable & please clarify mounting requirements & location.	1.All heat pumps have reversing valves and shall be included as a DDC point. 2. The intent is for the three-wire valve to provide position feedback. Coordinate with the hose kit vendors.. 3. The intent is for the three-wire valve to provide position feedback. Coordinate with the hose kit vendors. 4. No. The intent is for a visual indication for on-site personnel. 5. No. Multiple occupancy inputs shall be made available for control. 6. 'T' symbol references thermostats. Some zones control with more than one thermostats. (T1 - one thermostat & T2 - two thermostats.) See Chart on sheet M6.01 for quantities. 7. F-3200 is correct 8. 43" is acceptable mounted to wall. Coordinate location in the field near the front entrance. See architectural/technology/power sketches for more information. PB_SKT-05
77	All		Other than the LDs called out in the Project Schedule spec (003113) and HVAC Scope of Work #43 (002413-112), are there any other LDs on this project? Additionally, is there a cap to the LDs?	See 003113.
77.1	1.23		<i>Please verify if a separate Geothermal Contractor will be responsible for all work shown on drawing UM1.01 & UM1.02 including penetrating the building and capping at interior location shown on M3.01B, and the HVAC Contractor will take over from interior cap and valve left by Geothermal contractor? OR, is the geothermal contractor a subcontractor under the BP 1.23 HVAC Bid Package?</i>	<i>Geothermal is under 1.23 HVAC</i>
77.2	1.23		Can the glycol makeup unit required for this project be added to the HVAC schedule, HVAC floor plans, and HVAC specification? If it is currently there and I just missed it, please advise on the location, so we can get that accurately quoted?	No glycol tank required. The intent is to provide a fill port and premix the solution into the loop.
77.3	1.23		Is the coil connection at the DOAS-1 a single point of connection for the 3" DTWS&R as shown on M5.01, Detail #3? If there is a stacked coil with multiple DTWS&R connections, can this detail be updated to show the additional appurtenances that will be required and coil connection pipe sizes?	There are two coil connections. Each connection is 2". Detail is updated.
77.4	1.23		Vendor reached out requesting the spec for the heat pump chiller (HPC-1). Please provide a spec for this chiller for accurate pricing from approved manufacturers, or if it is within the HVAC specification, can you please point out the spec section and subsection where it is currently located?	Reference Specification section 233700-2.2 'GEOTHERMAL WATER-TO-WATER HEAT PUMP'
77.5	1.23, 1.11		Please add the piping routes and sizes to the floor plans, for the work required to the kitchen equipment? Currently P-4 pump is scheduled and shown on the controls diagram and Detail on M7.01, but piping route from mains to the kitchen equipment location not currently shown on the floor plans. Please add this in an upcoming addendum.	Refrigerant piping by is sized by freezer/cooler vendor. Refer to K serier prepared by food service consultant for more infoformation. Refer detail sheet. Defer to CM for delineation of scope of work between trades and bid packages.
77.6	1.23		Spec 233700, subsection 2.5 is calling out for Needlepoint air purification system. Please confirm this is required by the Heat Pump manufacturer to be installed within their unit? Just wanted to verify its installation location and unit types that require needlepoint air purification.	It is required by design documents shown on sheet M6.01. The heat pump units are manufactured in a way that they easily accept the needlepoint air purification. It is required in all units. Factory installed vs field installed shall be coordinated and installed per the equipment vendors requirements - we do not have a preference.
77.7	1.23		Can a spec be provided for the duct mounted reheat coils (RHC-1 & 2)?	Reference TSKP Addendum #3 for specification - 233700-2.9 'GEOTHERMAL DUCT-MOUNTED REHEAT COILS'
77.8	1.23, 1.26		Can a spec be provided for the electric unit heaters (EUH-1~EUH-7)?	Refer to model number in schedule.
77.9	MEPFP		Please advise if Nelson could be added as an approved manufacturer for the heat trace if they can meet the spec and Plumbing plan requirements?	Need a substitution request for this.
78	MEPFP		Can a spec be provided for the Plumbing Heat Pump (HP-01)?	Refer to TSKP addendum #3
78.1	MEPFP		Can a spec and equipment schedule be provided for the Plumbing Storage Tanks (ST-1 & ST-2)	Refer to TSKP addendum #3

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RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
78.2	MEPFP		Can the geothermal vault be a poly vault in-lieu of a concrete vault?	This is acceptable, provided the dimensions are maintained and that the installation techniques comply with the alternative vendor's requirements.
78.3	1.02, 1.23		Regarding the HVAC geothermal drawings, the slurry control and preventative measures are called out to be by the well contractor and mechanical contractor? With the P.L.A in place, can we push this back onto the union site contractor? They will have equipment on site and having them provide this will drastically lower the geothermal install cost. Of course, we will still be working together and coordinating with the site contractor.	Revised instruction to be issued.
78.4	MEPFP		Insulation Contractor has the following RFI: In spec section 230700 (HVAC Insulation for Equipment, Ductwork and Piping), on page 23 0700 - 4 of 4 Part 6.3, it states that External Insulation for Supply Air and Outside Air requires Insulation. But on Part 6.3 C, it states Outside Air Supply Ductwork downstream of OA UNIT (Under Positive Pressure) and Exhaust Air Ductwork Upstream of OA UNIT (Under Negative Pressure) Does NOT Require Insulation Unless otherwise noted. My Questions are: 1. Is Outside Air Supply Ductwork Downstream of OA Unit Under Positive Pressure? 2. Is Exhaust Air Ductwork Upstream of OA Unit Under Negative Pressure? There is a conflict between Part 6.3 and Part 6.3 C, and I want to make sure I am carrying the insulation correct for this project.	Install insulation on ductwork per specification section 23 0700. Item C is a specific exception where insulation is not required. OA ductwork downstream of the supply fan in the OA unit is under positive pressure and EA ductwork upstream of the exhaust fan is under negative pressure.
78.5	MEPFP		Would special order geothermal vaults (which come designed and stamped from the manufacturer) be acceptable to the engineer for this project? Please see the attachment from one of the manufacturers that we have had great success with on many projects. They would love to bid the project if the engineer is open to their products being used for this project?	This is acceptable, provided the dimensions are maintained and that the installation techniques comply with the alternative vendor's requirements.
78.6	MEPFP		Can the 2-1/2" piping shown for the geothermal system on drawing UM1.01 be changed to either 2" or 3" (as acceptable per the engineer's flow design calculations). 2-1/2" piping not available in HDPE. Also, the design shows no 1-1/2" piping? All geothermal piping loops decrease from 2" down to 1-1/4"? Just wanted to make sure this was also acceptable, and that none of the flows call for 1-1/2" rather than 1-1/4", before finalizing our takeoff?	It is acceptable to utilize larger piping, not reduce in size due to availability (i.e. use 3" in lieu of 2-1/2").
78.7	MEPFP		Please verify that all Smoke Detectors, Smoke Dampers and Fire Dampers required for this project are shown on the drawings? If not, please update drawings to show all required dampers and detectors so our Sheet Metal and Controls subs can account for any additional ones required other than the ones shown with their bids. Sheet Metal & Control subs will not account for any not shown, due to this being a life safety device that needs to be designed and shown on the drawings for accurate bidding and installation purposes.	Smoke detectors are referenced in floor plan notes, control drawings, and shown on electrical plans. Fire dampers are shown at perimeter of gymnasium.
78.8	All		Please verify if the demolition scope for the MEP trades will be cut cap and make safe and the demolition contractor would be responsible for full demolition and removal with the PLA in place? Need to confirm as the scope of works have conflicting notes especially between the MEP trades and the demolition scope.	Revised instructions issued.
78.9	All		Who is responsible for patching holes in existing walls (masonry & sheetrock) when demo is removed (i.e. piping, ductwork, CUHs, etc.)? With the P.L.A, we are assuming the masons would own masonry walls, sheetrockers would own sheetrock walls, etc., but please confirm?	Revised instructions issued.
79	All		Who is responsible for opening & closing existing walls for any new piping, ductwork, etc.? With the P.L.A, we are assuming the masons would own masonry walls, sheetrockers would own sheetrock walls, etc., but please confirm?	Revised instructions issued.
79.1	All		Who is responsible for closing up the concrete slabs when existing piping or ductwork is removed? With the P.L.A, we are assuming the concrete contractor, but please advise?	Revised instructions issued.
79.2	All		Who owns cutting up any interior slabs for mechanical piping & ductwork for existing and/or new construction? With the P.L.A, we are assuming the concrete contractor, but please advise? Concrete contractor scope of work #35 states they will own this scope of work, but some plumbing scope of work notes contradict this.	Revised instructions issued.
79.3	All		Who owns trenching, excavating, and backfilling for the interior and exterior underground mechanical (PLBG or HVAC) piping? With P.L.A, we are assuming the site contractor, but please verify this is not on the MEP contractors?	Revised instructions issued.
79.4	All		Are there any associated CAD fees with signing over the release forms from the Architect to start our 3D coordination?	No.
79.5	All		Please confirm the sitework contractor or demolition contractor is responsible for excavation and backfill within the existing building and new addition? With the P.L.A. in place, this work would be in one of their jurisdictions and not MEP contractors.	Revised instructions issued.
79.6	1.23		The Geothermal heat pump loop specification has type L copper up to 2" and schedule 40 steel from 2-1/2" and larger. This is the typical specification for hydronic systems. However, the chilled and hot water specification lists copper pipe up to 3" then schedule 40 steel pipe 3" and above, which is not typical. Please advise if the chilled and hot water hydronic piping specification 232200-5.2 can match the Geothermal heat pump loop piping specifications 232200-5.3.G.	The intent is for the 2-pipe loop to be copper as specified.
79.7			Please advise who owns Temp heat? In addition, who owns Temp fuel and equipment?	See 015000
79.8	1.21		Please advise if standard cast iron fittings and/or malleable iron fittings would be acceptable for all fire protection piping 2" and smaller?	UL/FM labeled cast iron fittings/or malleable iron fittings are acceptable for fire protection piping 2" and smaller
79.9	1.21		Section 2.3C in fire protection spec 210500 states " C. Fittings shall be exact size required; use of bushings shall not be permitted. Fittings shall be of approved type.", however, the types of fittings approved for this project are not listed. Please advise if thread-o-lets and mechanical tees are acceptable.	Thread-o-lets are not acceptable. Mechanical tees are acceptable
80	1.21		Detail #3 on drawing FP1.01A shows a 3-D model of the fire protection riser system in room "Water 008" with two existing alarm check valves and an existing backflow preventer. Please confirm the size of the existing alarm check valves and the size of the existing backflow preventer.	Contractor shall field verify.
80.1	1.22		Schedule on P0.01 includes urinals C, C1, and C2 as "water free", however note P32 on P2.01 calls for 3/4" DCW to urinals. Please advise which is correct, and if water is needed, please adjust schedule to not be water free. Additionally, this same note P32 calls for 1/2" DCW to each wall hydrant while the schedule states 3/4" DCW. Please advise which size is correct.	Please refer to TSKP Addendum#3
80.2	1.02, 1.23		Plumbing scope of work item number 17 states that plumbing contractor is to furnish and install the grease waste piping from the building to the grease interceptor tank. Civil drawing C1.60 inset view shows this line to be furnished and installed with SDR35-PVC. SDR35-PVC is normally installed by the sitework contractor. The underground waste plumbing specification 220500-3.4A states for the pipe and fittings to be cast iron bell and spigot. Please advise if the sitework contractor will own furnishing and installing this line as SDR-35 PVC, or if the plumbing contractor will own furnishing and installing this line as cast iron bell & Spigot.	Clarification Memo to be issued
80.3	1.21		Section 2.10A on in fire protection spec 210500 states to provide a Potter Roemer free standing fire department Siamese connection, however, drawing FP1.01A shows a wall mounted Siamese fire department connection in the water room. Please verify if the intent is to install a wall mounted Siamese fire department connection. Additionally, would Croker be an acceptable manufacturer for the wall mounted fire department connection if it can meet the spec?	Fire department siamese connection shall be wall mounted. Croker is an acceptable manufacturer

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RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
80.4	1.21		<i>Please advise if the fire protection contractor is responsible for underground fire protection piping up to 5' from the building and the site contractor will be responsible for piping past 5' from the building. Need to confirm as the fire protection scope of work #15 describes the excavation and backfill of utilities past 5' from the building, but does not note who is responsible for utilities past 5' from the building.</i>	<i>Revised instructions issued.</i>
80.5	1.22		On P.102A in room Cust. 113 there is an untagged piece of equipment, assumed to be Janitor Sink F listed on the schedule. Please confirm whether or not this is correct and provide tag on drawing P1.02A for clarity.	Please refer to TSKP Addendum#3
80.6	1.22		On P1.02A and P1.02B there is note P45 listed for the 4" OST piping, however this note and description is not listed at the top of this page with the other Plumbing Keyed Notes, only on the schedules page P0.01. Please provide this note on the pages which it is tagged to be sure it is accounted for.	Please refer to TSKP Addendum#3
80.7	1.23		On drawing M3.01A pump P-4 is tagged along column lines B and 6. There is a note underneath the tag that states "TYP 2". Please verify if the intent is for there to be two P-4 pumps in this location or if there should only be one.	There are 2 pumps (P-4) in this location. As depicted on the detail sheet M7.01
80.8	MEPFP		On drawing M2.01A along column line C and 12 there are two heat pump units VHP-48 and VHP-36. However, on drawing M3.01a in the same location is shows two VHP-48s and two VHP-36s. Please verify that the intent is for only one of each unit to be in this location.	There is only one of each unit in this location. Zone 0.8 and 0.9 are the unique identifiers for these. The matchline indicates the separation between sheets.
80.9	1.23		On air distribution plan M2.02A detail 3 & 4 shows the mezzanine plan for the air distribution and piping plan. However, the piping for this mezzanine area is only shown here and not shown on the piping plan on M3.02. Please provide an updated M3.02A to include the mezzanine piping to ensure it is included by all bidding mechanical contractors.	See keynote 5 on sheet M3.02A. Reference sheet M2.02A for pipe sizing. GS/GR shall be 3" in this space.
81	1.23		Spec section 230700 (HVAC Insulation), Part 5 (Piping Systems), note 5.8.2 states that insulation is not required on geothermal piping in a mechanical room. Is the geothermal manifold vault considered a mechanical room or does the piping within the vault require insulation?	The geothermal vault piping does not require piping insulation.
81.1	ALL		<i>Please confirm that spec 220500-Part1.5.E can be disregarded, and that Permit Fees are not required for this project (other than the \$0.26/\$1,000 state educational fee) for all subcontractors, not just plumbing contractors?</i>	<i>See common special instruction 4 for all trades: Contractors that must obtain a local building permit (MEPFP, etc.) will need to include the State Education Fee of .26/1000. The Town of Manchester Fee is waived. Any special permit fee's (outside of building permit (example State Elevator Fee, Town/State Road Cut or Tap Fee)) should be included.</i>
81.2	1.23		General Duty Valve for HVAC specification 230523-2.5 calls for ball valves for pipe sizes 2-1/2" and 3". Please verify if butterfly valves will also be acceptable, in lieu of ball valves for 2-1/2" and 3" which are currently spec'd.	Utilize valve types for the various pipe sizes as specified without deviation.
81.3	1.01, 1.23		Will the HVAC contractor be responsible for removing the existing roof top units? If so, please provide the approximate weights of the RTUs for riggers to provide accurate pricing.	See previous response
81.4	1.21		Fire protection specification 2.3b calls for the material specification for the fire suppression system. However, the specifications do not list the pipe and fittings material required for the drainage portion of the fire suppression system. Please verify if the galvanized portion of specification 210500-2.3B would be acceptable, or please add to specifications, if another material would be required.	Drainage pipe shall be galvanized. Specifications 21 05 00, paragraph 2.3B applies
81.5	1.23		Spec section 230700 (HVAC Insulation), Part 5 (Piping Systems), note 5.8.2 states that insulation is not required on geothermal piping in a mechanical room. Is the geothermal manifold vault considered a mechanical room or does the piping within the vault require insulation?	The geothermal vault piping does not require piping insulation.
82	1.26		Attached is Apex Lighting Solutions light fixture substitution request for Bowers Elementary School.	Approved as noted. Refer to TSKP Addendums for changes on lighting fixtures, types and locations. Fixtures in this request have been reviewed for their design and compliance with the aesthetic requirements of basis of design fixtures. The contractor to match electrical requirements listed on construction documents.
83	ALL		<i>RFI Bid Package NO. 1.21 (Fire Suppression), Is Sprinkler Demo Scope to cut, cap & make safe only, or are we to drop to floor and remove also?</i>	<i>Cut, cap and make safe by MEPFP. Remove and dispose by Demo and Abatement. Revised instructions have been issued.</i>
84			Detail PB_SKA-01 in TSKP Addendum #2: Please let me know where this detail applies - there is nowhere that I can find where this detail would apply.	This detail is applicable to areas where existing eaves removed for new construction adjacent to north addition, east and west canopies.
85	1.05		<i>I just got to Ramp #4 and the stair guardrail. This looks as if it's a main entrance to the school. It's a 2-line rail and I don't believe this is OSHA approved. It also too tempting for kids to climb up on. Somebody needs to review.</i>	<i>Noted</i>
86	1.05, 1.10		1.Elevator sump pit frame and cover- Nothing is shown or called is one required 2.Elevator sill support angle- Nothing is shown or called is one required	1. Provide mtl frame and cover. 2. Per elevator manufacturer.
87	1.10		We would like to submit (per attached) our manually operated NEXD Roller Shade product as a comparable equivalent to the products specified for consideration on bid day.	Submit substitution for consideration
88	1.02, 1.03	S3.01	1. Drawing S3.01 does not provide dimensions for the wall thickness at the elevator pit. 2. Which bid package is responsible for waterproofing at the elevator pit?	1. Reference updated drawing included in TSKP Add. #3. 2. 1.03 Concrete

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RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
89	1.02		<p>1. Bid Form Proposal, 1.02 – Sitework, Item #20 – Please provide the soils environmental report with analyticals to price the correct levels of contamination. If no report is available please direction on the specific levels of contamination to price.</p> <p>2. Bid Package No 1.02 – Sitework, II Special Instructions, Item #25 – please confirm this refers to all concrete encasement outside of the building (see item #24). Also please confirm all conduit and spacers/chairs within the concrete encasement are by the electrician.</p> <p>3. Bid Package No 1.02 – Sitework, II Special Instructions, Item #46 – please confirm if “all traffic control and safety for safe access in and out of project site during construction” is referring to site work only or for the entire projects including traffic control for all trades.</p> <p>4. Detail 05/C5.02 Note: “Cast in place class PCC04462 concrete curb between fence posts”. Detail 09/C5.02: this detail does not show a curb between fence posts.</p> <p>a. Please clarify if there is a curb between fence posts.</p> <p>b. If there is a curb, please provide a detail for the curbing</p> <p>5. Plan C1.60, Utility Notes, #6 – Who is providing this engineer?</p> <p>6. Please define all subcontractors scope of work and material responsibility for details 02/C5.02, 04/C5.02, 05/C5.02, 09/C5.03, 03/5.04, 05/5.04, 06/C5.04</p> <p>7. C1.60 – please confirm AD12.1 Top of Frame 323.1’.</p> <p>8. 6/C5.00, 11/C5.00 – please identify the location of all pavement details. C1.10 only call out the asphalt detail leading up to the dumpster pad from Henry Str</p> <p>9. 04/5.00 – please identify the locations of the 4 different curb types.</p> <p>10. 10/5.06 – please identify the location of the pavement underdrain. C1.60 and C1.61 identify a few minor areas but only 300+ lf seems to be under curbs (C1.61</p> <p>11. Is there any work inside the existing building included in the site work bid package? The specs note electrical and plumbing are responsible for their own E&B inside the building.</p> <p>12. Grounding cable: is the site contractor to excavate and backfill for the grounding conduit shown on SP1.01?</p>	<p>1. Ignore this Unit Price</p> <p>2. Encasement if required and specified</p> <p>3. This is in the performance of sitework - not for all trades</p> <p>4. Detail 05/C5.02 Note: “Cast in place class PCC04462 concrete curb between fence posts”. Detail 09/C5.02: this detail does not show a curb between fence posts.</p> <p>a. Pretty sure referencing Detail 05 on C5.01, not C5.02. Concrete curb is specific to the playscape areas, while detail 09 on C5.02 is detail for all CLF on site. Detail 05 on C5.01 called out flush, cast-in-place concrete curb to a depth of 18”, represented by dark horizontal line in line with center of underdrain. Use (4) #4 rebar with 2” cover minimum as reinforcement, instead of six bars originally shown.</p> <p>b. See previous comment.</p> <p>5. SLR, design engineer, will observe preparation of subgrade, placement of stone and fabric & installation of UG chambers.</p> <p>6. by 1.02 Sitework unless otherwise noted</p> <p>7. Revise TF to 311.00.</p> <p>8. See sheet C1.12 for delineation between standard duty and heavy duty pavement applications on West Parking Lot. Heavy duty in bus loop only (dotted line division with west parking area). East parking lot shall be standard duty pavement.</p> <p>9. Use precast concrete curb unless noted otherwise.</p> <p>10. Pavement underdrain on west edge of eastern parking lot at bottom of cut slope shown on Sheet C1.61.</p> <p>11. See revised instructions</p> <p>12. See RFI response in other RFI</p>
90	1.02		<p>13. UE1.0 shows what appears to be light poles possibly lighted bollards? Please confirm all indications on UE1.0 are to utilize the detail 8/5.02.</p> <p>14. Dewatering for TP3 & TP4. Please clarify the type of dewatering system needed. Various spec sections and drawings contradict each other. Are frac tanks needed or can the water be filtered through a dewatering stone pit with perforated piping?</p> <p>15. Spec 015000-6, 11 Temporary Shoring, a:</p> <p>a. Please provide a “Site Logistics Plan” per the language within this item.</p> <p>b. Please also note where Column line AK can be found.</p> <p>c. Bid Package 1.02 Sitework, Item #13 states “site contractor is responsible for all site temporary facilities which shall include, but not be limited to”. Below is the scope of work found in section 015000 Construction Controls and Temp facilities. Please clarify what the site work contractor is responsible for as “but not limited to” is open ended.</p>	<p>13. Detail 04 on C5.04 represents the LED bollard foundation detail, while detail 08 on C5.02 is the site light foundation detail. Refer to E5.01 for type of lighting fixture.</p> <p>14. Per specification if required</p> <p>15. site logistics issued</p>
91	1.10		<p>1. Spec Section 102800 Toilet Accessories. There is a Baby Changing Station shown on Drawing A7.01 elevation 6A. but the spec section don’t show any baby changing station information. If there is a required baby changing station on this project please send the spec information or clarify if this product is a NIC.</p>	<p>Refer to TSKP Add. #3.</p>
92	1.10	122413	<p>122413-Roller Window Shades - The Spec and/or the drawings normally specifies Fascia and end caps as a requirement to cover the bracket mechanism, but there is no mention in the spec or the drawings. Please clarify if fascia’s and/or end caps are intended.</p>	<p>Provide as specified.</p>
93	1.10		<p>Drawing A1.02B – Room C104B</p> <p>1. Confirm the shelving is provided by the millwork package.</p> <p>2. Provide detail for whoever providing</p> <p>3. General Trades Scope Item #24 – this package is assigned utility shelving. Please clarify where these show on the drawings. Provide details, section, spec, etc. as required.</p> <p>4. General Trades Scope Item #29 – this package is assigned some concrete scope. The GT scope has no concrete work. Please consider moving this scope to the concrete package to provide these infills.</p>	<p>1. Refer to detail 14/A9.01.</p> <p>2. Milwork Scope</p> <p>3. Shelving not required</p> <p>4. Instruction deleted</p>
94	1.04		<p>1. Elevation Keynote No.3 – “Repoint All Horizontal & Vertical mortar joints in this area” Details 6 & 7 / A3.02 Show (1) Tag EA, please clarify extent required.</p> <p>2. MEP “New” MO’s @ Existing: There are a considerable amount of “new” MO’s required on this project, and they can be pricy. Please clarify if the jambs will require masonry repairs, or just the head toothed-in with lintels.</p> <p>3. Existing Masonry: Please clarify if any cleaning is to be preformed on the existing masonry on project, other than the repaired areas.</p>	<p>1. include 5 lf for each area.</p> <p>2. Masonry opening to be saw cut and clean.</p> <p>3. Yes to all existing masonry.</p>
95	1.04		<p>1. Dampproofing / AVB: Please confirm that mason owns any required at areas of infill /repairs.</p> <p>2. Fire Stopping TOW: Please confirm that mason owns TOW Fire stopping, (Very small quantity of “New” masonry walls to structure above).</p> <p>3. Extend existing walls to structure above - Please clarify where required, nothing found on plans.</p>	<p>1. Yes.</p> <p>2. Instructions revised</p> <p>3. VIF.</p>

BOWERS PREBID RFI LOG

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
96	All		<p>1.What elevation is the Demolition Contractor leaving the addition areas at? Proposed slab subgrade?</p> <p>2.Who owns the foam infill on the structural drawings?</p> <p>3.Who own the courtyard and amphitheater seat walls as it directs us to architectural plans for finishes? Sheet C1.11</p> <p>4.How tall is the fence in the courtyard? Sheet C1.11</p> <p>5.Who owns the stairs at the east side of the building that are attached to the building? Sheet C1.11</p> <p>6.How deep is the grounding ring and does it need to be excavated all the way around the building? Who owns digging and backfilling it? Is there a bedding material required? Sheet SP1.01</p> <p>7.Who is responsible for the geothermal well line excavation and backfill? Sheet UM1.01 & UM1.02</p> <p>8.Who owns the geothermal well installation and associated piping? Sheet UM1.01 & UM1.02</p> <p>9.Who is responsible for the geothermal well slurry containment and erosion control for the well drilling? Sheet UM1.01 & UM1.02</p> <p>10.On past O&G projects there was a cost/percentage for Aconex/Oracle. The spec section 01 35 13, page 5, letter "f" says there are not any fees or percentage required for this project. Please confirm the only fee we will need to account for is the Textura fee please.</p> <p>11.The site fence on Henry Street sheet C1.01 has a note to remove and replace, please confirm it is only the section on Henry Street and not all the way around the playing field?</p> <p>12.Who owns removing the retaining walls and stairs the east side of the building by the basketball court?</p> <p>13.Who owns removing the retaining wall at the main entrance?</p> <p>14.There are several large trees at the southwest corner of the existing building that are not marked for removal and do not show tree protection? Please advise.</p> <p>15.There are existing walks and bituminous at the south end of the existing building that are not marked for removal but would likely need to be removed for new work or damaged during construction? Please advise</p> <p>16.Who owns the foundation and masonry for the dumpster enclosure? Please advise.</p> <p>17.Who owns structural excavation or backfill in the existing building if needed? Please advise.</p>	<p>1. Ref: SD1.01, Demolition and Abatement to remove footings and foundations and backfill and compact excavation to -2' below subgrade and in safe condition for 1.02 Sitework contractor to start work.</p> <p>2. REF: S2.02 High density rigid and rigid insulation below slab (typical) to be furnished and installed by 1.02 Sitework.</p> <p>3. Courtyard amphitheater seatwalls by 1.02 Sitework (with a rubbed rubbed finish). Dumpster pad by 1.02 Sitework. Foundation for brickwall and brickwall by 1.03 Concrete and 1.04 Masonry.</p> <p>4. See previous response.</p> <p>5. REF: C1.11, due to location of complementary work, both stairs at these locations are by 1.03 Concrete.</p> <p>6. Excavation and backfill by 1.02 Sitework, 1.26 Electrical supply wires, ground well, accessories.</p> <p>7. + 8. + 9.: 1.02 Sitework is responsible for excavation, backfill/bedding, eroision and slurry control. 1.23 HVAC responsible for piping/fusing, vault, wells. The intent is that the sitework contractor performs typical sitework activities to assist with the Geothermal installation.</p> <p>10. Only fee is for Textura (and background checks)</p> <p>11. See previous response.</p> <p>12. + 13.: See response to question 1 in this RFI.</p> <p>14. REF: C1.01 SW corner near playground (26" Oak x2, 12" Oak, 18" Oak), price removal in base bid. RFI architect/owner to confirm removal prior to starting work.</p> <p>15. Provide work per plans.</p> <p>16. See response to question 3 in this RFI.</p> <p>17. 1.02 Sitework. See revised instructions.</p>
96.1	1.01, 1.02		<p>18. NOT USED</p> <p>19. Fence Detail 05 on C1.01 shows the fence post imbedded 3' deep in the cast in place curb, typically we core drill into these curbs 6" deep and grout the posts into place with non-shrink grout. Can this process be done on this project where fence posts are set in a cast in place curb?</p> <p>20. There is a note on sheet SD1.01 "Shore walls as required prior to backfilling" is this shoring and backfill by the demo contractor?</p>	<p>19. Install per detail</p> <p>20. See question #1 on RFI 96, shoring by 1.01.</p>
97	1.26		<p>Please provide the following information so the DVR for CCTV storage can be properly quoted: - RAID level - frame rates - method of recording (on motion or continuous) - hours of recording per days</p>	<p>Refer to spec section 282300 Part 2.2</p>
98	1.01, 1.05		<p>There is shoring called out on S1.03B to be installed to support existing joists where we have a new beam going in. who is designing/installing the shoring?</p>	<p>1.01 Demolition and Abatement contractor</p>

100% CD BID PACKAGE Addendum #4

Date: March 1st, 2022

Project: Manchester Bowers Elem. School, State Proj. #077-0239 RNV

Architect: TSKP Studio

Construction Management Agency: O&G Industries

The following changes take precedence over anything to the contrary in the Drawings and Specifications:

DRAWING CHANGES

-Upon request, existing building drawings can be provided to bidders.

Cover

N/A

Civil

1. C1.01:
 - Revise grading elevation along north wall of east entrance stair per attached sketch PB_SKA-09.
2. C1.60:
 - Revise AD12.1 Top of Frame to 311.00 from 323.1.

Hazmat

N/A

Architectural Demo

N/A

Architectural

3. A1.01B:
 - Extend railing along north wall of east entrance stair as shown on sketch PB_SKA-09.
4. A3.02;
 - Replace sheet with attached A3.02.
5. A3.03
 - Elevation 8; Revise per PB_SKA-09.
6. A3.11
 - Section 2; Revise per PB_SKA-09.

7. A4.01;
- Replace sheet with attached A4.01.
8. A4.21;
- Replace sheet with attached A4.21.
9. A4.22
- Detail 4; Refer to revised sketch PB_SKA-05R
10. A4.24
- Detail 2; Refer to revised sketch PB_SKA-05R
11. A4.31;
- Replace sheet with attached A4.31.

Kitchen

N/A

Structural Demo

N/A

Structural

N/A

Fire Protection

N/A

Plumbing

N/A

Electrical Power

N/A

Electrical Lighting

N/A

Mechanical

N/A

Telecom and Security

N/A

SPECIFICATION CHANGES:

12. Section 06 Series; Remove FSC (Forest Stewardship Council) certification requirements from specs.
13. Section 018113:
- Replace CT HP Building Construction Standards Checklist attached to this addendum.

14. Section 114000:

- Revise equipment as follows;

ITEM NO. 8 REFRIGERATOR QTY- 1
VICTORY Model RS-2D-S1*
Refrigerator, 2-Section, Self-Contained. Air Cooled.
stainless steel interior & exterior, standard depth cabinet, wide full-height door, Adj. TRAY
& PAN slides BOTH SIDES. Stainless finished back, and upper grill.
(1 ea.) 115v/60/1ph, w/cord & plug attached
(1 ea.) 1-year service-labor & 5 yr. compressor warranty
(1 ea.) Locking hasp, per door

ITEM NO. 9 SINK, HAND : Change quantity to 4.

ITEM NO. 17C COOLER/FREEZER SHELVING QTY-LOT
Make-Intermetro "MetroMAX Q", 5-tier shelving units on (2) each #5MP and #5MPB casters.
Quantity as shown on drawing. Shelving to be 22" wide, length to be field verified by the contractor because of possible field condition.

ITEM NO. 20 STORAGE SHELVING QTY-lot
Make-Intermetro "METROMAX Q", 5-tier shelving units on (2) each #5MP and #5MPB casters.
Quantity as shown on drawing Shelving to be 22" wide, length to be field verified by the contractor because of possible field condition. -See K-1.4 drawing.

ITEM NO. 24 HOT FOOD UNIT FILL FAUCET QTY-1
Mtd. On Item #30, **T&S #B-0710-HW Single Sill Faucet with red hat water label.**

ITEM NO. 47 TRASH/ RECYCLE CONTAINERS QTY - LOT
Rubbermaid, Units to fit under #41 soiled dish table . **Color by Architect / owner.**

(6) #SKU: 2060850 SLIM JIM LEGACY RECYCLE CAN
(8) #2620
(4) #2619-Lids
(4) #2640-Dollies
(NOT ALL SHOWN ON DRAWING OR SCHEDULE)

LIST OF DRAWINGS ISSUED:

PB_SKA-05R, PB_SKA-09, A3.02, A4.01, A4.21, A4.31

SPECIFICATIONS ISSUED:

CT HP Building Construction Standards Checklist

Machester Bowers Elem. School
Connecticut High Performance Building Construction Standards Checklist

Item #	Descriptions of State of Connecticut Regulations § 16a-38k, Sub-Paragraphs 1 through 9	Certain	Likely	Not Likely	Not Possible	Responsible Party
Mandatory Requirements						
1	3(a)					CES, Contractor
2	3(b)					A/E, Ower and Owner Rep
3	3(c)					A/E
4	3(d)					A/E
5	3(e)					Contractor
6	3(f)					A/E
7	3(g)					Owner
8	3(h)					Contractor
9	3(i)					Owner, Contractor
10	3(j)					Owner
11	3(k)					Contractor
12	3(l)					A/E
13	5(a)					A/E
14	5(b)					A/E
15	5(c)					not applicable
16	5(d)					Contractor
17	5(e)					Owner, A/E
18	5(f)					Contractor

Building Standard Options (minimum of 28 required)			33	7	3	16
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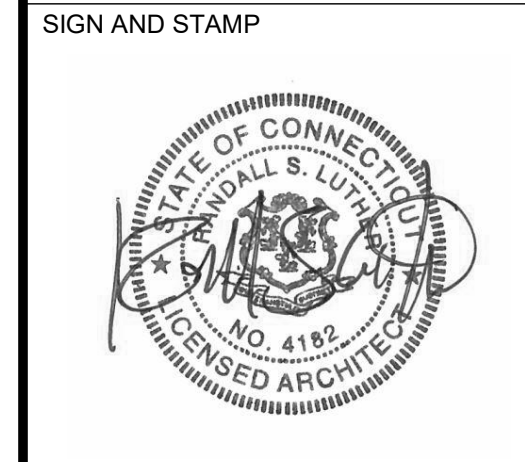
Subsection (a) - at least one measure			9	1	0	1	
19	6(a)(1)	Base Energy Performance - 24.5% Better Than Code	1				A/E
20	6(a)(2)	Base Energy Performance - 28% Better Than Code	1				A/E
21	6(a)(3)	Base Energy Performance - 31.5% Better Than Code	1				A/E
22	6(a)(4)	Base Energy Performance - 35% Better Than Code	1				A/E
23	6(a)(5)	Base Energy Performance - 38.5% Better Than Code	1				A/E
24	6(a)(6)	Base Energy Performance - 42% Better Than Code	1				A/E
25	6(a)(7)	On-Site Renewable Energy - 3%	1				A/E
26	6(a)(8)	On-Site Renewable Energy - 7%	1				A/E
27	6(a)(9)	On-Site Renewable Energy - 10%	1				A/E
28	6(a)(10)	Purchase Renewable Energy				1	not applicable
29	6(a)(11)	Energy Measurement and Verification Plan		1			Owner, A/E

Subsection (b) - at least two measures			7	2	3	1	
30	6(b)(1)	Permanent Indoor Air Monitoring Systems	1				A/E
31	6(b)(2)	Provide Increased Outdoor Ventilation			1		A/E
32	6(b)(3)	Building Flushout			1		A/E
33	6(b)(4)	Composite Wood and Agrifiber Products (submit documentation)	1				Contractor
34	6(b)(5)	Individual Lighting Control	1				A/E
35	6(b)(6)	Individual Thermal Comfort Controls	1				A/E
36	6(b)(7)	Building Occupant Survey			1		Owner, A/E
37	6(b)(8)	Daylight Contribution		1			A/E
38	6(b)(9)	Visual Glazing - Views to the Outdoor Environment	1				A/E
39	6(b)(10)	Mold Prevention		1			A/E
40	6(b)(11)	Low VOC Furniture	1				A/E
41	6(b)(12)	Isolation of Chemical Use Areas	1				Owner, A/E
42	6(b)(13)	Control of Particulates at Pedestrian Entryways				1	not applicable

Subsection (c) - at least one measure			3	1	0	0	
43	6c(1)	Reduce Potable Water Usage by 30%	1				A/E
44	6c(2)	Reduce Water Consumption for Landscaping 50% (renovation only)	1				A/E
45	6c(3)	Eliminate Potable Water Usage for Landscaping	1				A/E
46	6c(4)	Reduce Potable Water Usage by 50% (renovation only)		1			A/E

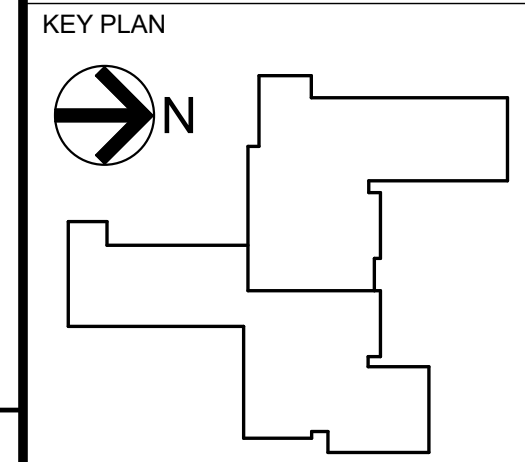
Subsection (d) - at least two measures			5	2	0	6	
47	6(d)(1)	Maintain 75% of an Existing Building Structure	1				A/E
48	6(d)(2)	Maintain 95% of an Existing Building Structure				1	not applicable
49	6(d)(3)	Re-use of at least 50% of Existing Non-Structural Building Elements				1	not applicable
50	6(d)(4)	Recycle or Salvage 50% of Construction & Demolition Debris (see specs 017419)	1				Contractor
51	6(d)(5)	Recycle or Salvage 75% of Construction & Demolition Debris (see specs 017419)	1				Contractor
52	6(d)(6)	Use 5% Refurbished, Salvaged, or Reused Materials				1	not applicable
53	6(d)(7)	Use 10% Refurbished, Salvaged, or Reused Materials				1	not applicable
54	6(d)(8)	Use 10% Recycled Content Materials (submit documentation)	1				Contractor
55	6(d)(9)	Use 20% Recycled Content Materials (submit documentation)		1			Contractor
56	6(d)(10)	Use 10% Local Materials (within 500 miles; submit documentation)	1				Contractor
57	6(d)(11)	Use 20% Local Materials (within 500 miles; submit documentation)		1			Contractor
58	6(d)(12)	Use 2.5% Building Materials Made from Short Harvest Cycle Plants				1	not applicable
59	6(d)(13)	Use Forest Stewardship Council (FSC) Certified Wood Products				1	not applicable

Subsection (e) - at least two measures			7	0	0	8	
60	6(e)(1)	Re-develop a Local Site				1	not applicable
61	6(e)(2)	Select a Site with Public Transportation Access	1				A/E
62	6(e)(3)	Encourage Bicycle Transportation				1	not applicable
63	6(e)(4)	Encourage Low-Emission Vehicle Use with Preferred Parking	1				A/E
64	6(e)(5)	Encourage Car and Van-pooling				1	not applicable
65	6(e)(6)	Protect Natural Areas at the Construction Site				1	not applicable
66	6(e)(7)	Maximize Open Space				1	not applicable
67	6(e)(8)	Implement a Stormwater Management Plan Reducing Run-off by 25%				1	not applicable
68	6(e)(9)	Implement a Stormwater Management Plan that Treats 90% of Annual Rainfall	1				A/E
69	6(e)(10)	Reduce Non-Roof Heat Island Effect				1	not applicable
70	6(e)(11)	Reduce Roof Heat Island Effect				1	not applicable
71	6(e)(12)	Reduce Outdoor Light Pollution	1				A/E
72	6(e)(13)	Orient Building for Daylighting and Energy Performance	1				A/E
73	6(e)(14)	No Building in Flood Plain and Sustainable Site Development	1				A/E
74	6(e)(15)	Site Building away from External Source of Excessive Noise	1				A/E
Subsection (f) - no minimum measures			2	1	0	0	
75	6(f)(1)	Use of CFCs, HCFCs and Halons	1				A/E
76	6(f)(2)	Building Innovation	1				A/E
77	6(f)(3)	Curriculum on Sustainable Building Feature		1			Owner
PROJECT TOTALS			33	7	3	16	



BOWERS ELEMENTARY SCHOOL
 141 PRINCETON STREET
 MANCHESTER, CONNECTICUT 06042

CD SET - 100%



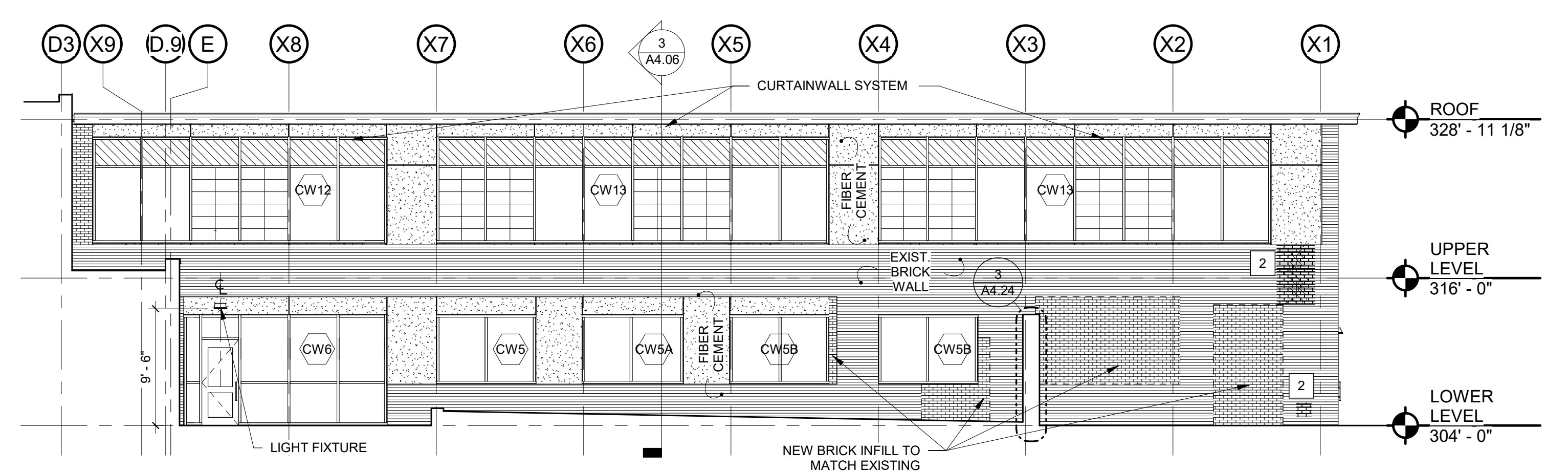
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EXTERIOR ELEVATIONS

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 PROJ. NO. 200500
 SCALE As Indicated
 DATE 12/10/2021
 DRAWN BY Author
 APPROVED BY Approver

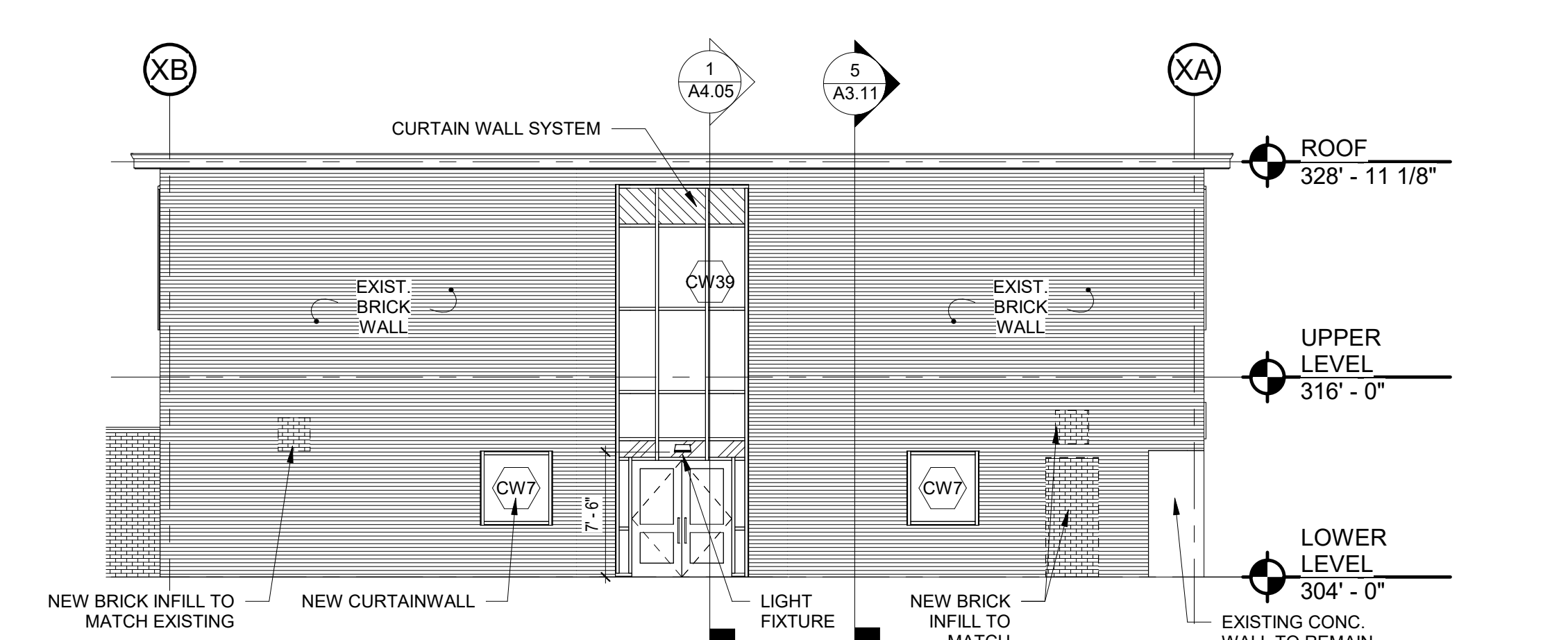
ISSUE DATES

NO.	DATE	PURPOSE
1	03/24/2022	Addendum #3
2	03/01/2022	Addendum #4

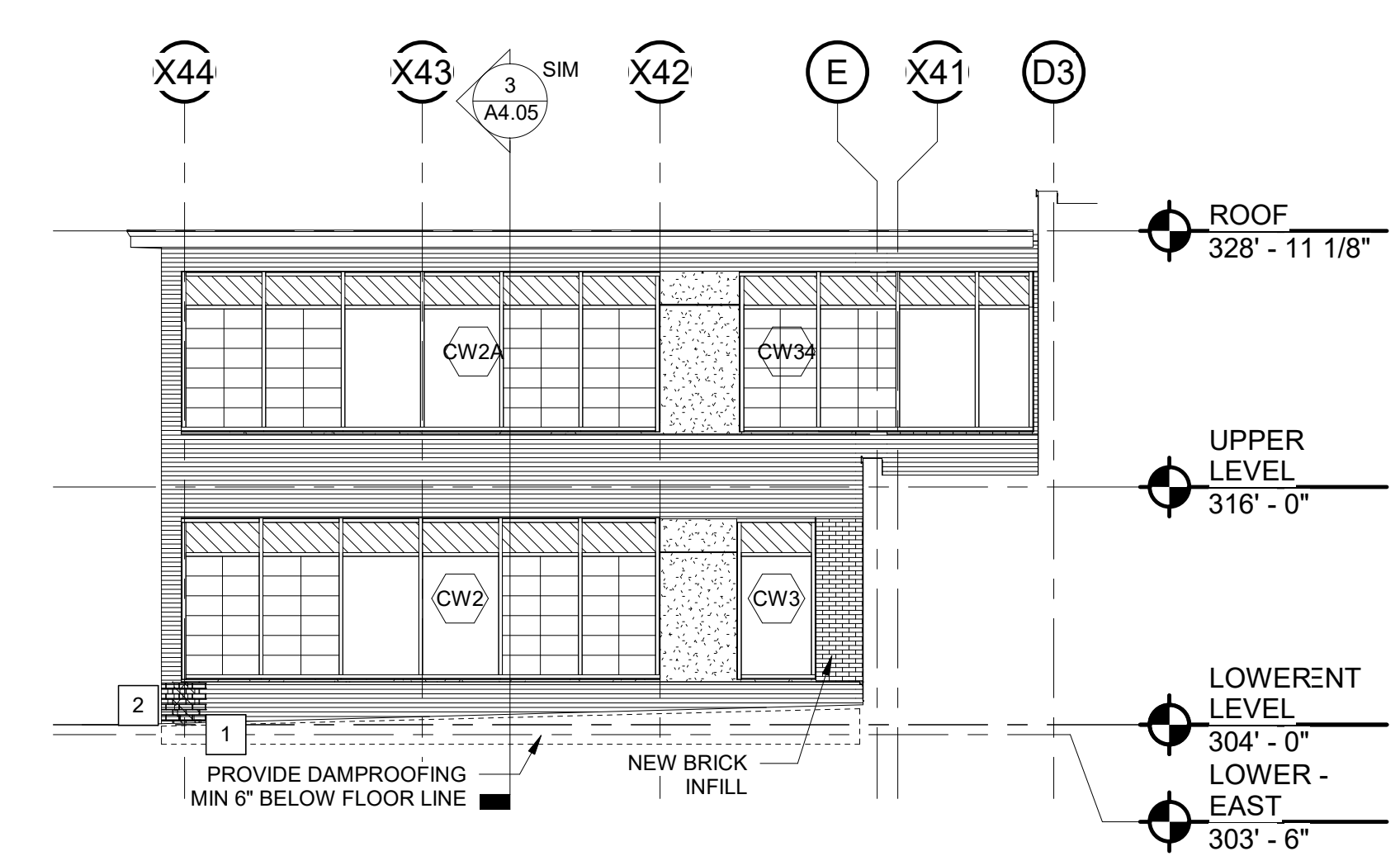
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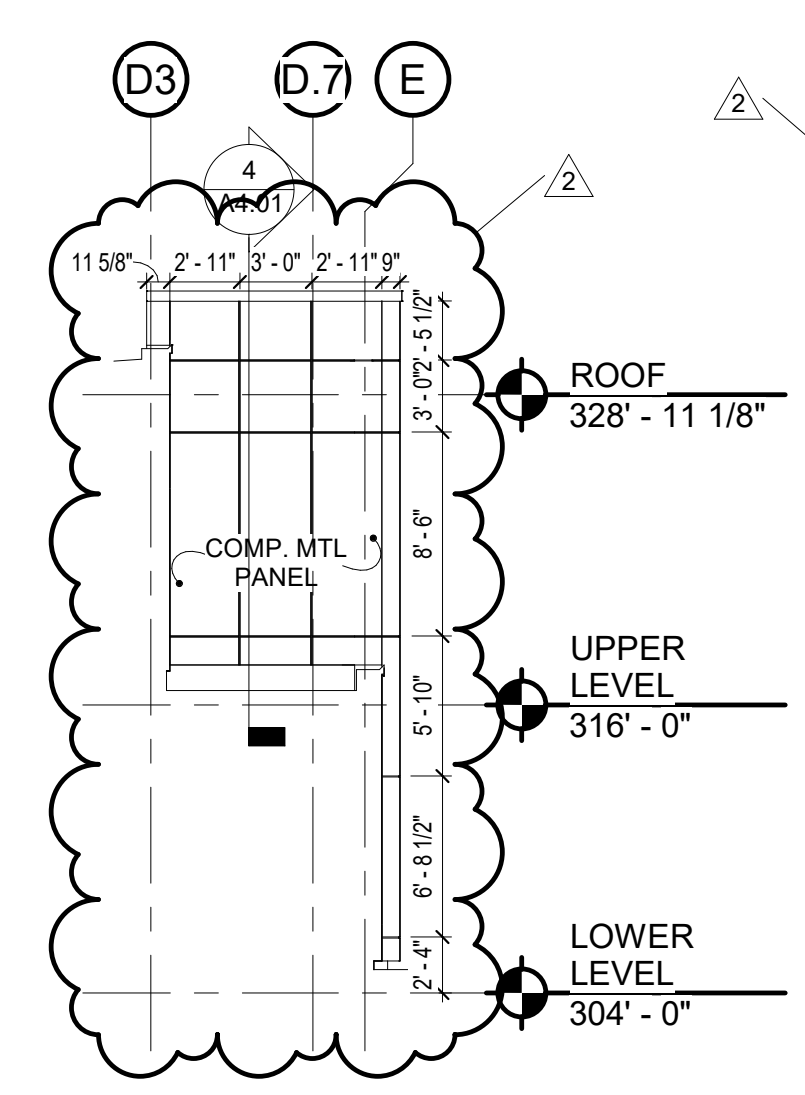
2 EAST PARTIAL I
 1/8" = 1'-0"



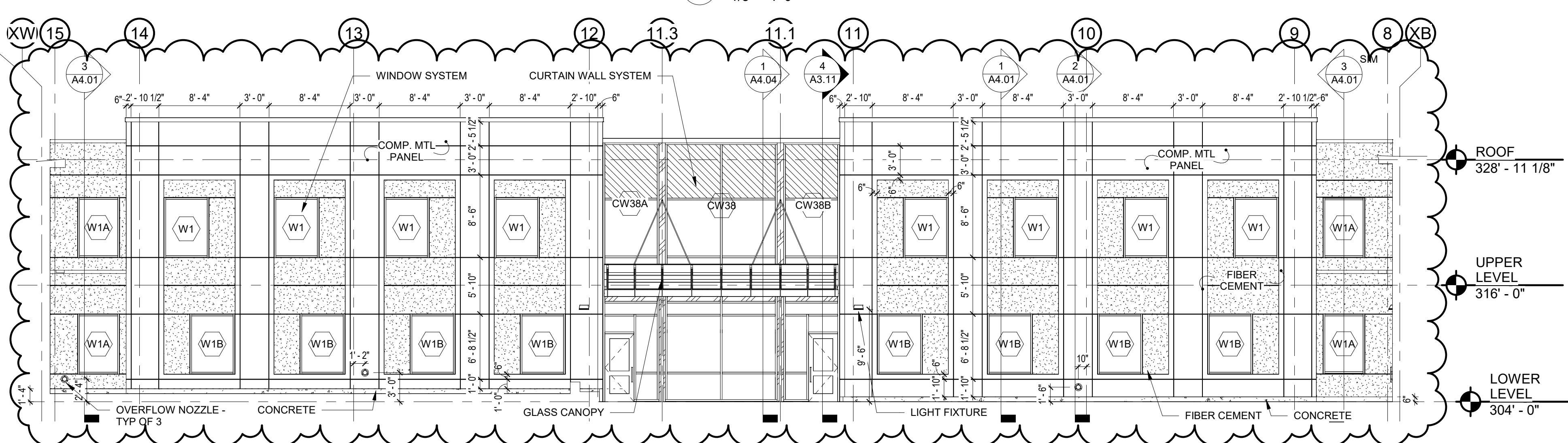
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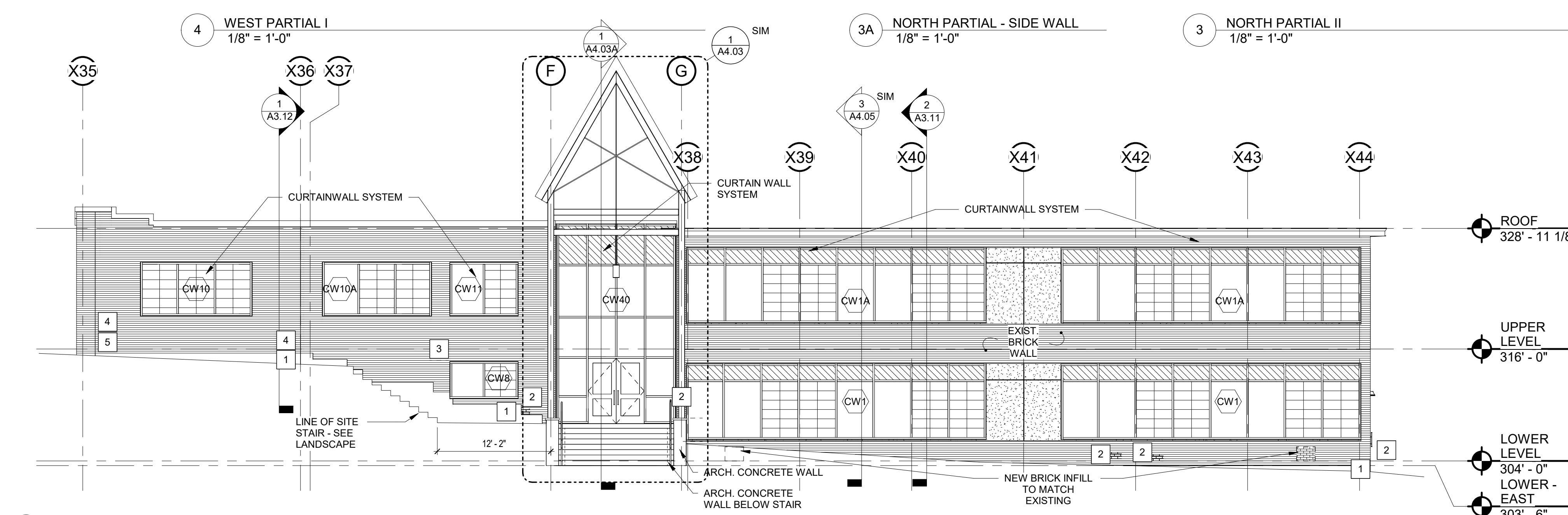
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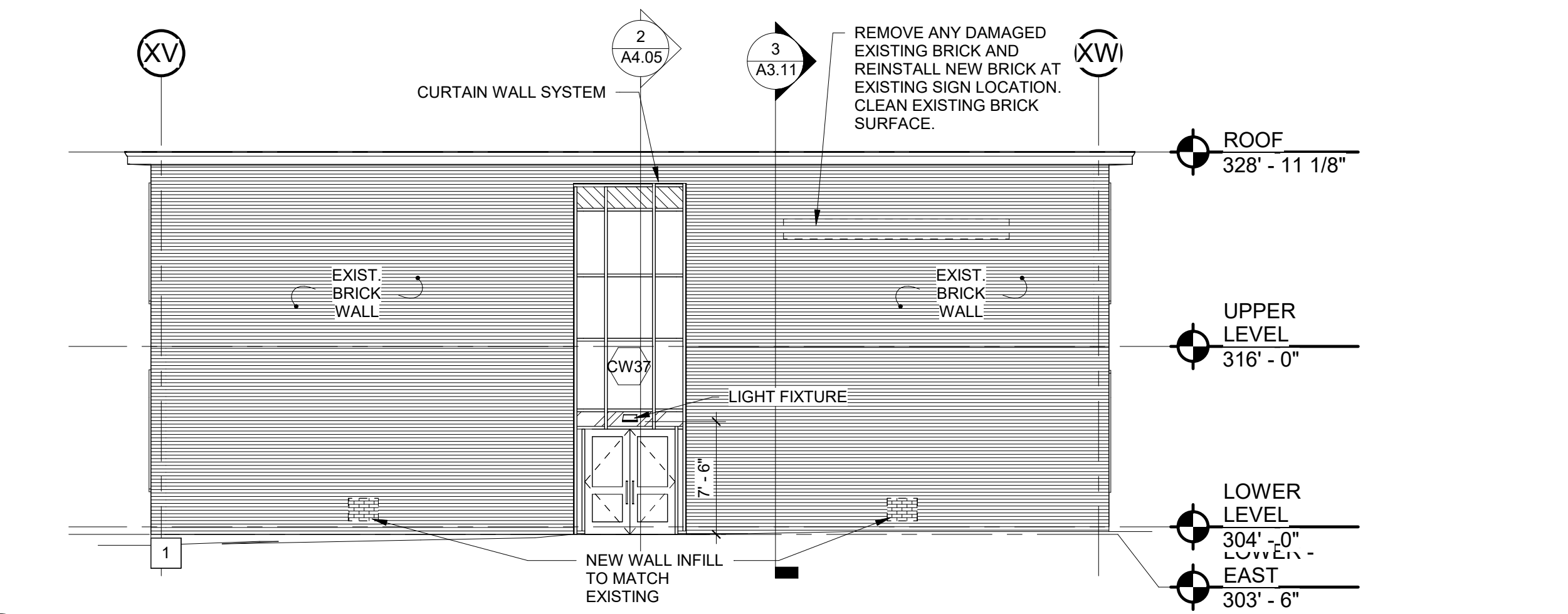
3A NORTH PARTIAL - SIDE WALL
 1/8" = 1'-0"



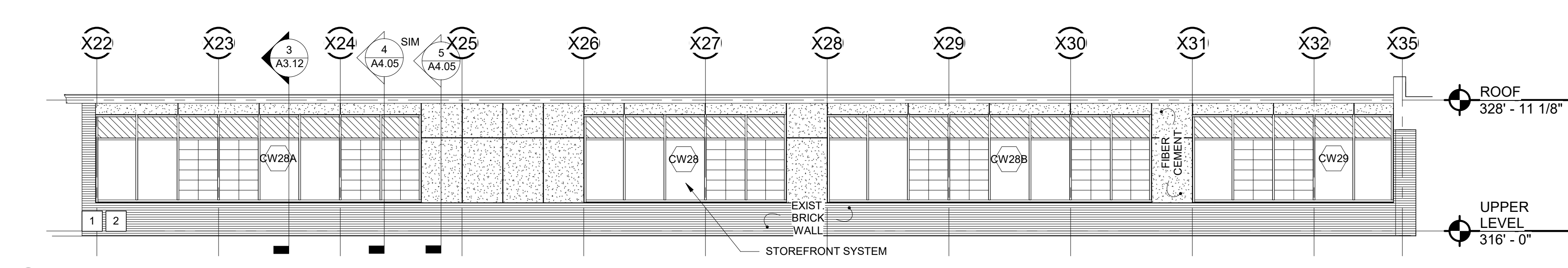
3 NORTH PARTIAL II
 1/8" = 1'-0"



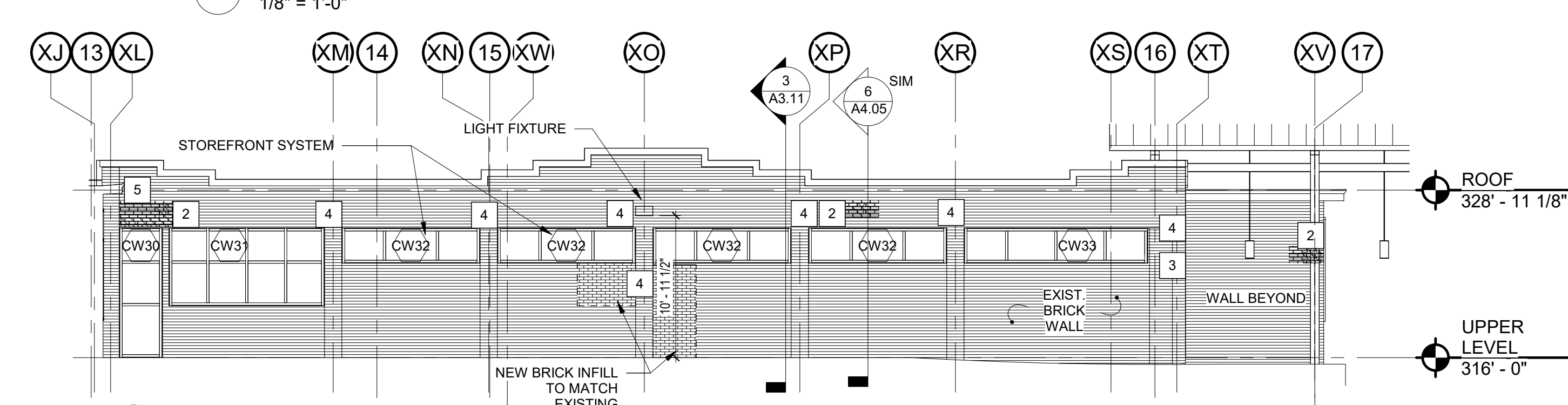
6 EAST PARTIAL II
 1/8" = 1'-0"



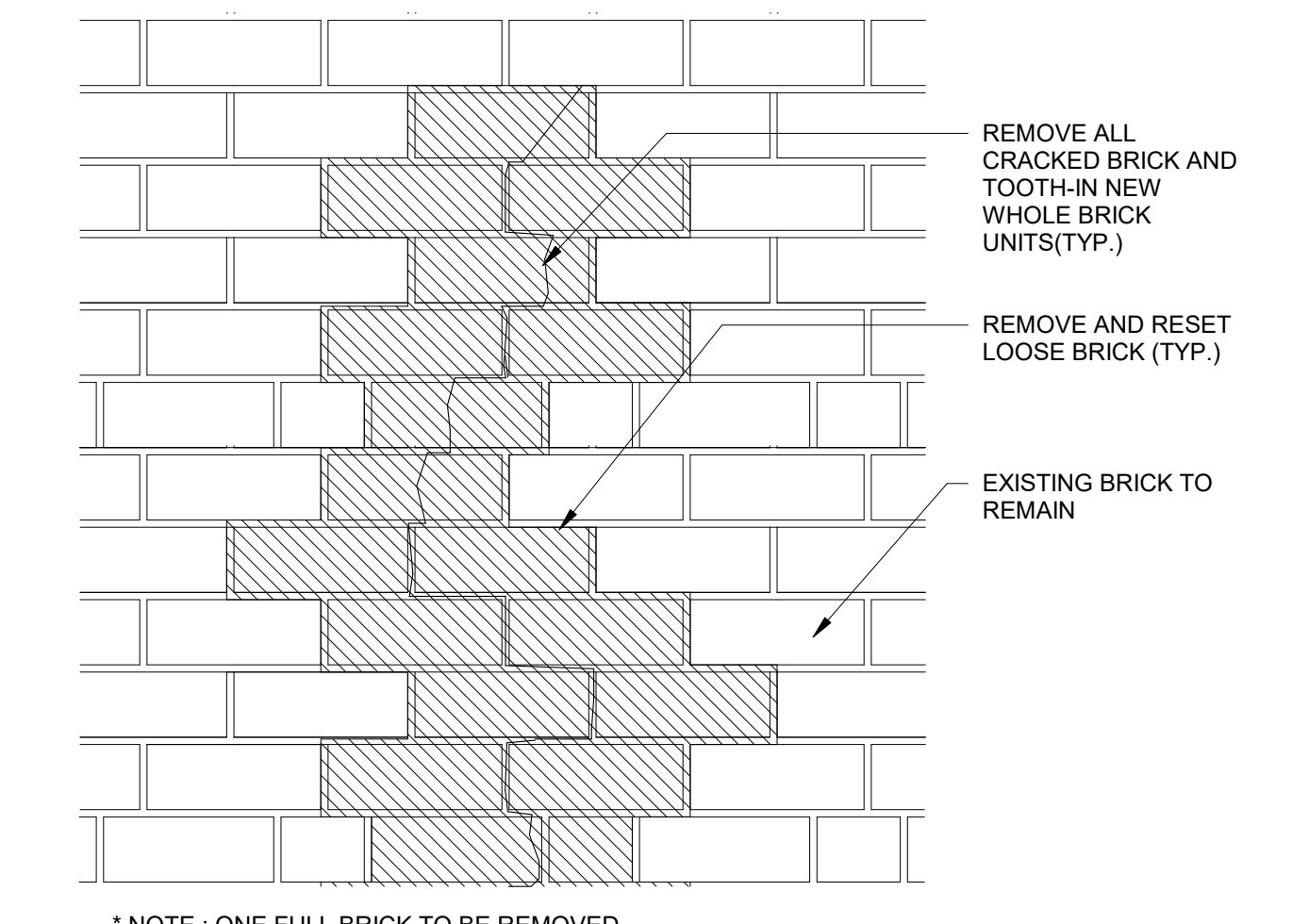
5 NORTH PARTIAL III
 1/8" = 1'-0"



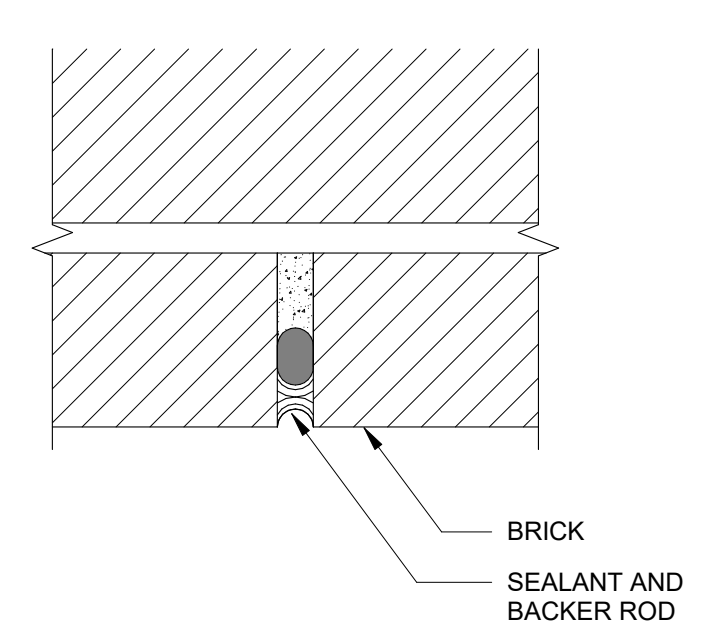
8 EAST PARTIAL III
 1/8" = 1'-0"



7 SOUTH PARTIAL I
 1/8" = 1'-0"



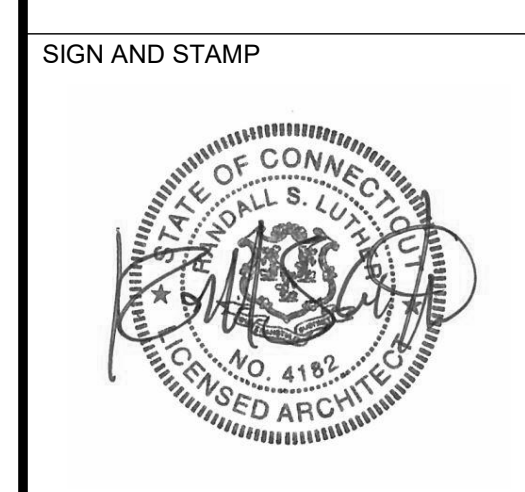
10 MASONRY CRACK REPAIR
 1 1/2" = 1'-0"



9 MASONRY CONTROL JOINT
 3" = 1'-0"

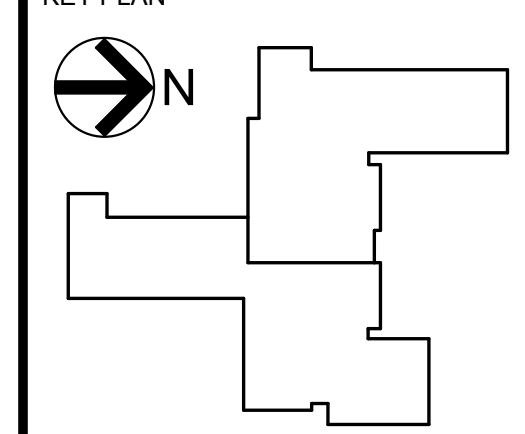
- ELEVATION KEY NOTES**
- REMOVE EXISTING COATING AND PARGE EXISTING CONCRETE WALL
 - REPLACE ALL CRACKED, DAMAGED, OR SPALLED BRICK MASONRY UNITS W/SALVAGED BRICK, SEE 10/A3.02
 - REPOINT ALL HORIZONTAL AND VERTICAL MORTAR JOINT IN THIS AREA. SEE 10/A3.02
 - REPLACE EXISTING MASONRY CONTROL JOINT. SEE DETAIL 9/A3.02
 - ADD CONTROL JOINT. SEE DETAIL 9/A3.02
- NOTE: PROVIDE NEW BRICK AT NEW INFILL AND SALVAGED BRICK AT REPAIR AREAS.**

- WINDOW LEGEND**
- ALL OPENINGS SHALL BE FIELD VERIFIED.
 - (T) TEMPERED GLASS
 - (L) LAMINATED GLASS
 - (IG) INSULATED GLAZING
 - [Pattern] FIBERGLASS
 - [Pattern] CLEAR GLASS
 - [Pattern] SPANDREL
 - [Pattern] FIBERGLASS SANDWICH PANEL
 - [Pattern] METAL PANEL
- NOTE:**
 - ALL OPENINGS SHALL BE FIELD VERIFIED.
 - PROVIDE WINDOW NUMBER DECAL ON EXTERIOR WINDOWS AND CWs ONE FOR EACH SPACE.



BOWERS ELEMENTARY SCHOOL
141 PRINCETON STREET
MANCHESTER, CONNECTICUT 06042

CD SET - 100%

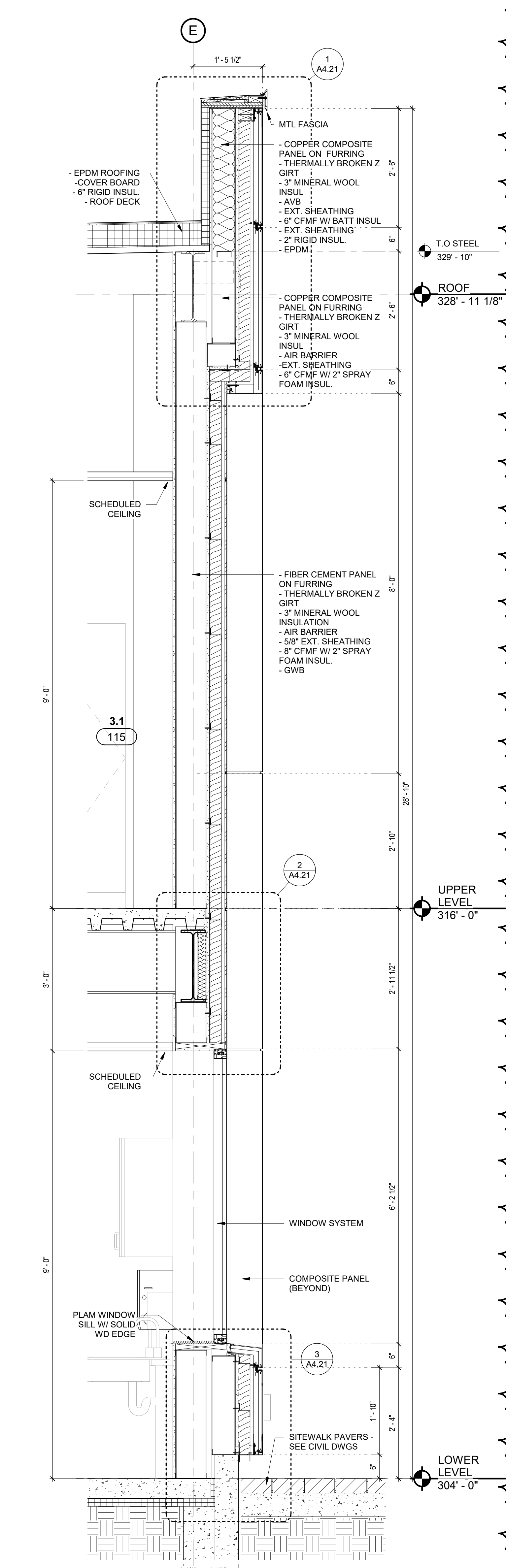
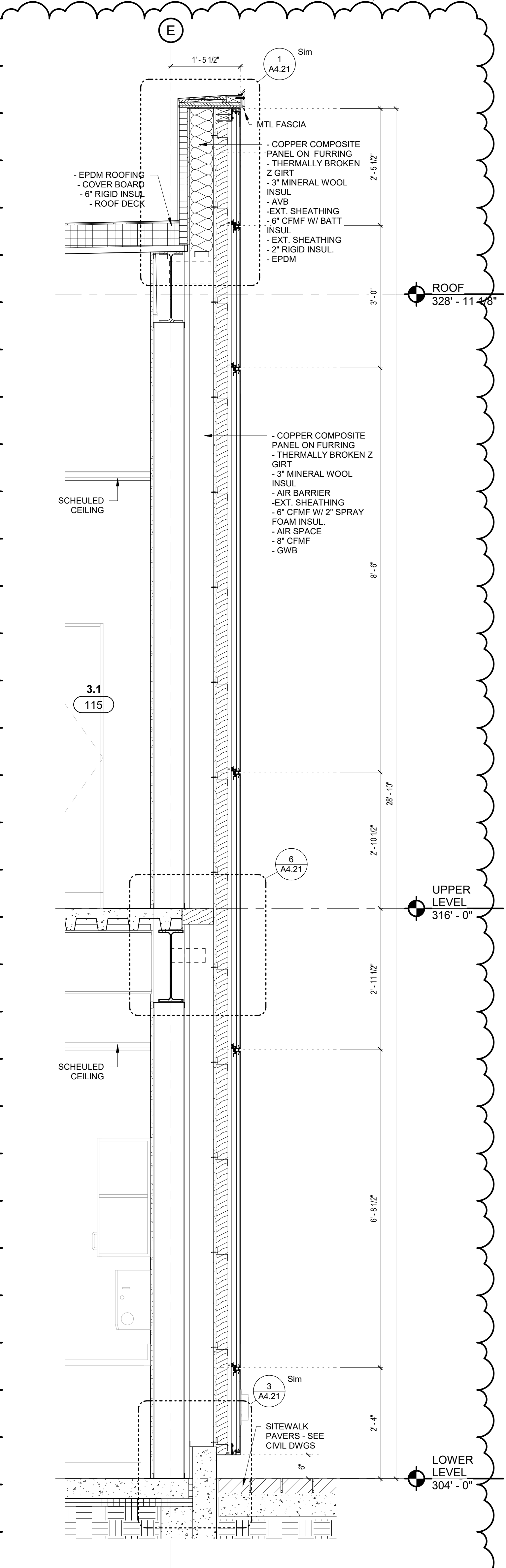
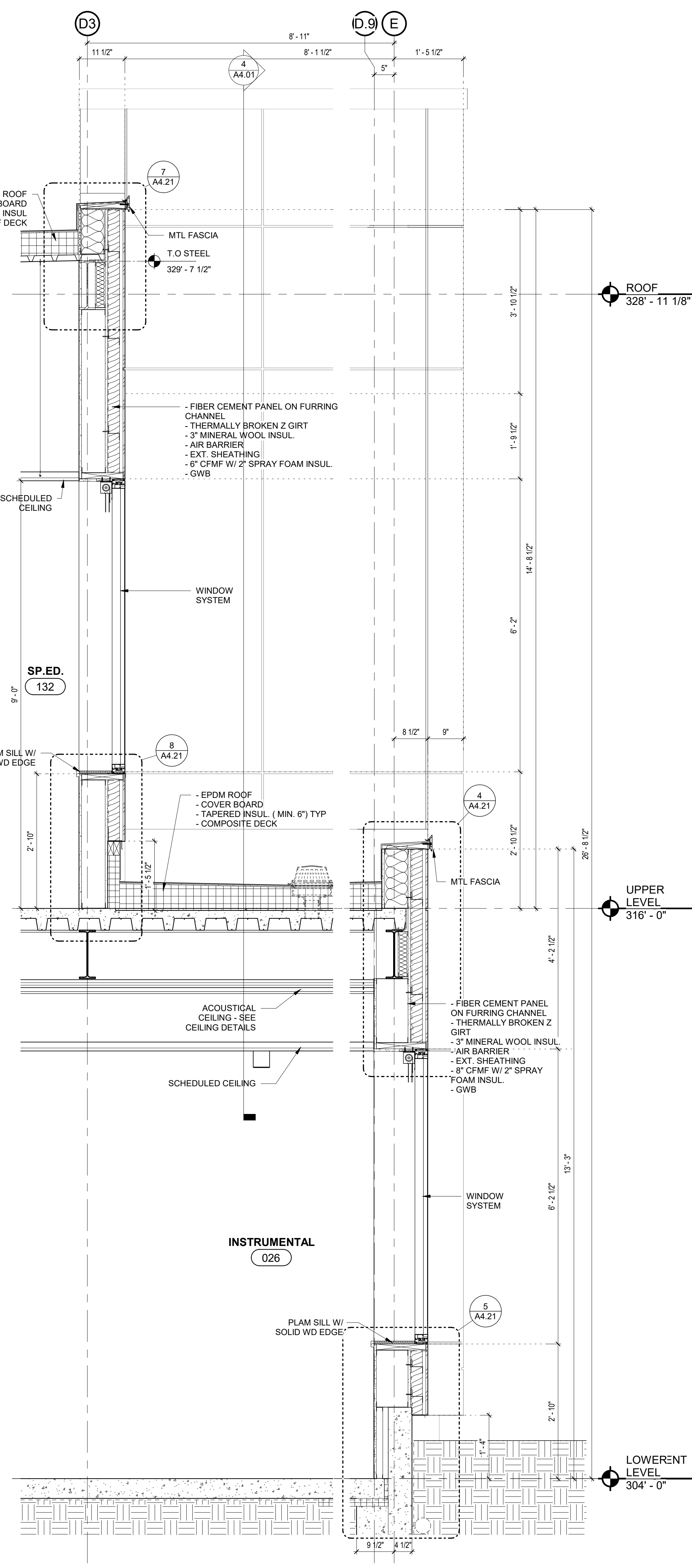
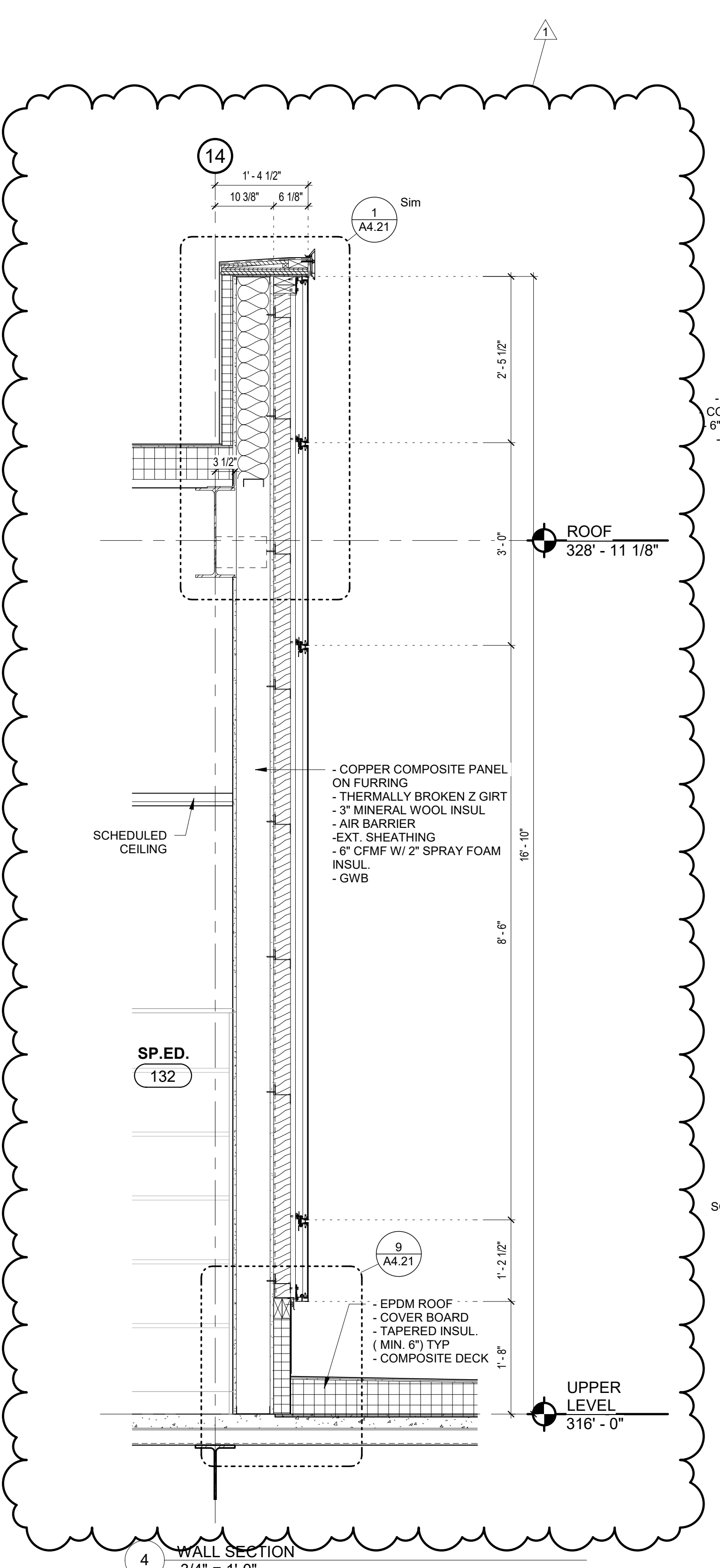


DRAWING TITLE
WALL SECTIONS

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PROJ. NO.	200509
SCALE	3/4" = 1'-0"
DATE	12/10/2021
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE
1	03/01/2022	Addendum #4

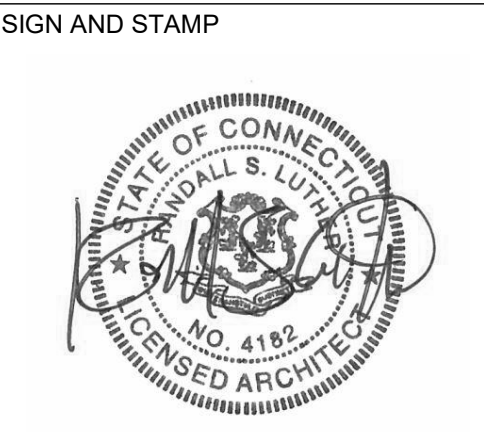
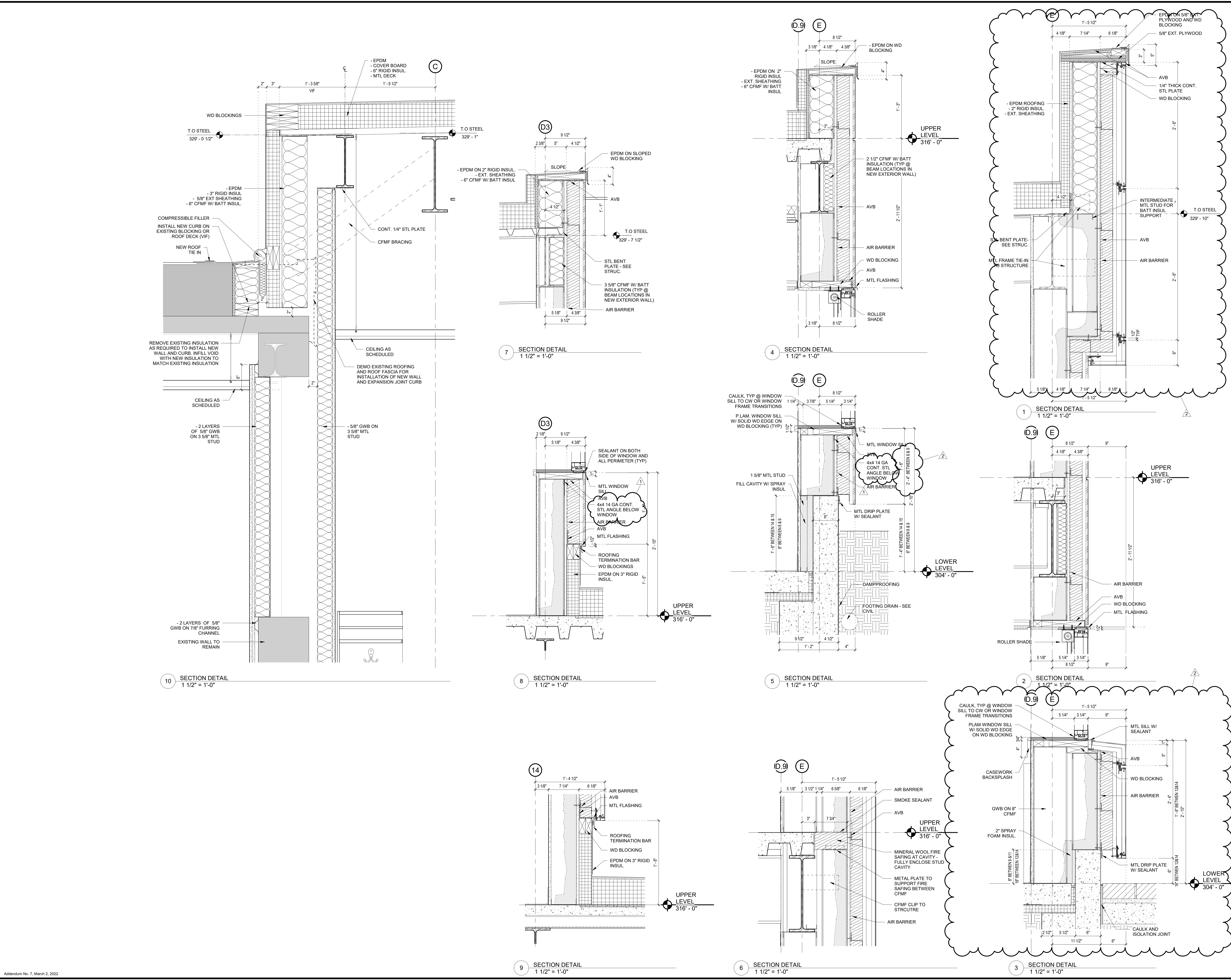
A4.01



3/10/2022 7:16:05 PM BM 390:/Bowers Elementary School/200509 Manchester Bowers-ARCH Centre-2021.rvt

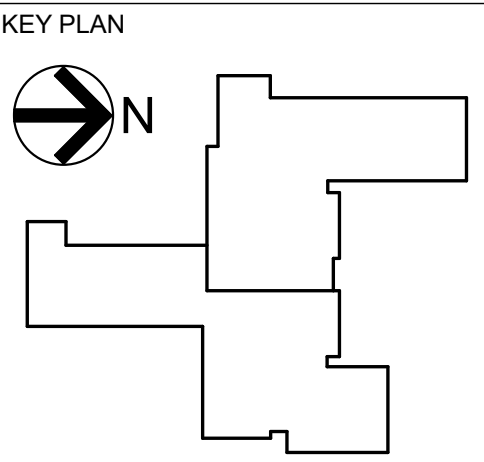
Addendum No. 7, March 2, 2022

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BOWERS ELEMENTARY SCHOOL
 141 PRINCETON STREET
 MANCHSTER, CONNECTICUT 06042

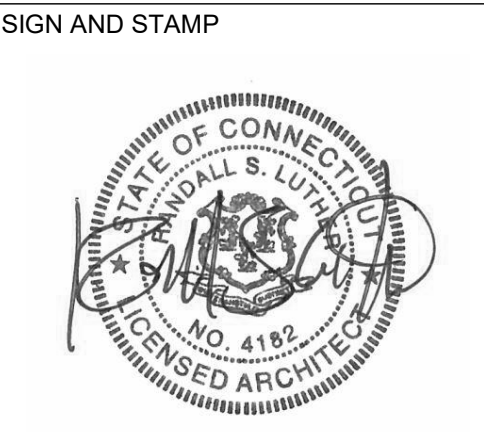
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SECTION DETAILS

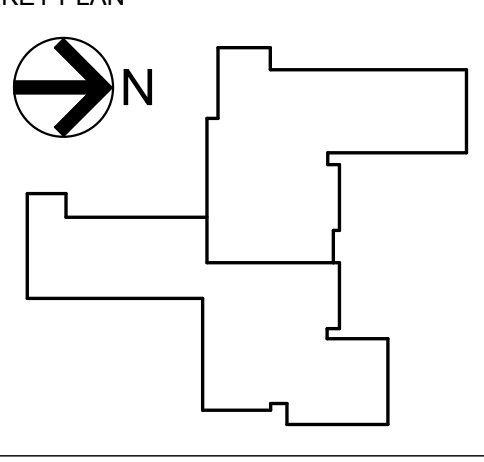
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 PROJ. NO. 200500
 SCALE 1 1/2" = 1'-0"
 DATE 12/10/2021
 DRAWN BY Author
 APPROVED BY Approver

ISSUE DATES		
NO.	DATE	PURPOSE
1	03/19/2022	Addendum #2
2	03/01/2022	Addendum #4



BOWERS ELEMENTARY SCHOOL
 141 PRINCETON STREET
 MANCHESTER, CONNECTICUT 06042

CD SET - 100%

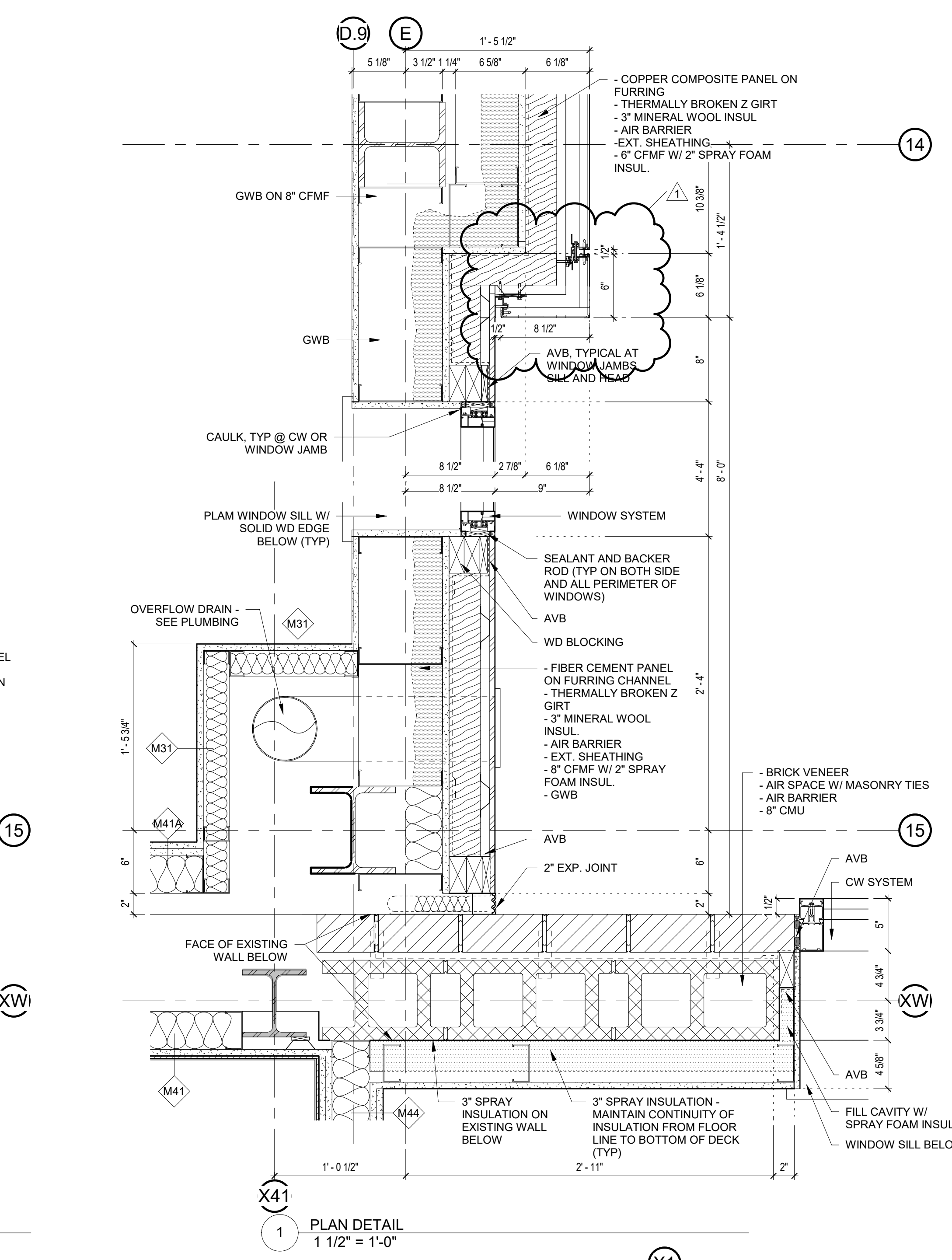


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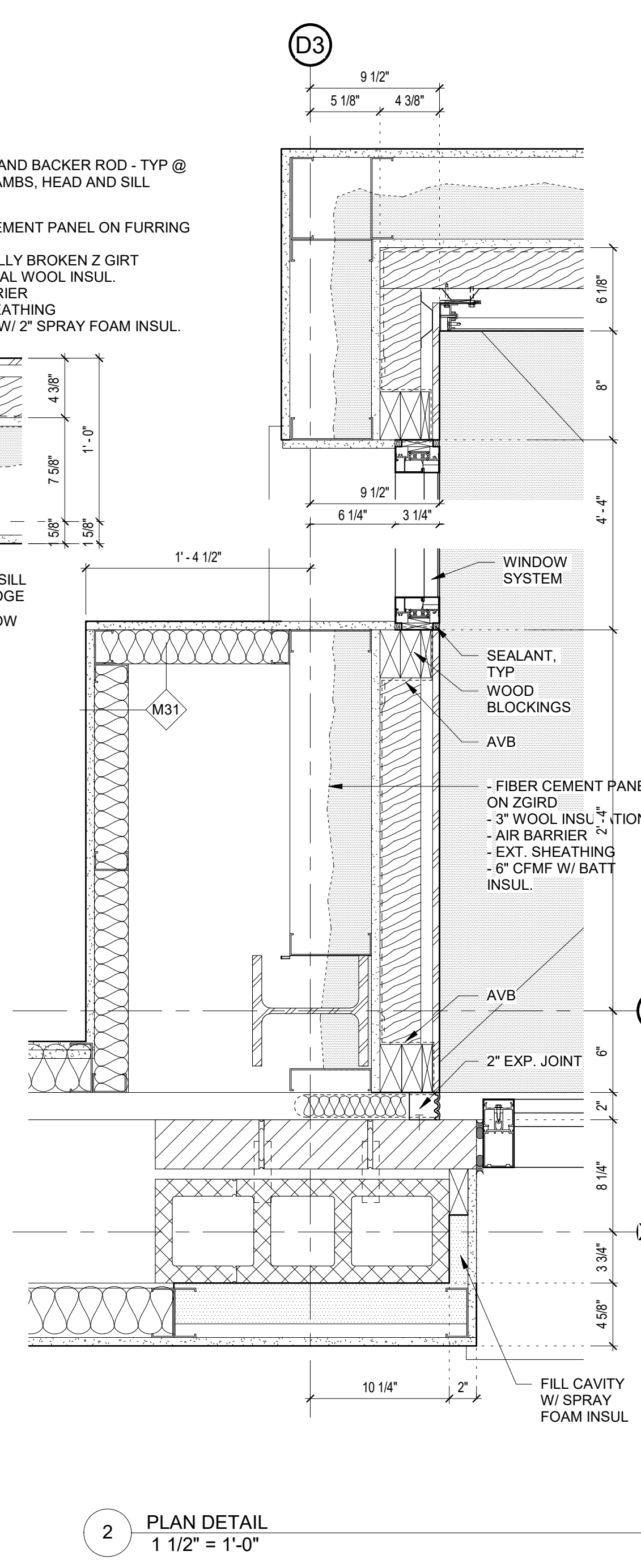
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PROJ. NO.	200509
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DATE	12/10/2021
DRAWN BY	Author
APPROVED BY	Approver

ISSUE DATES		
NO.	DATE	PURPOSE
1	03/01/2022	Adendum #4

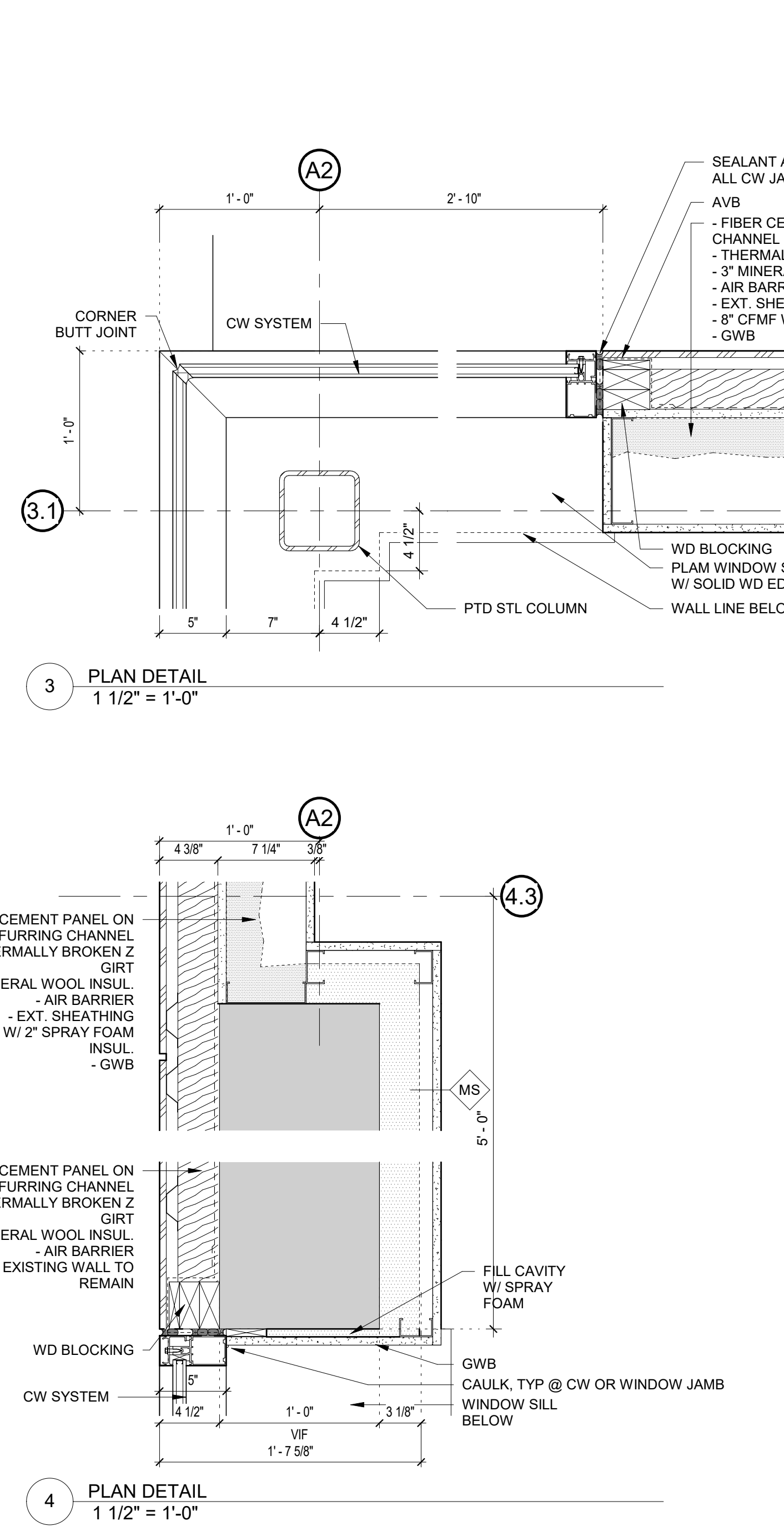
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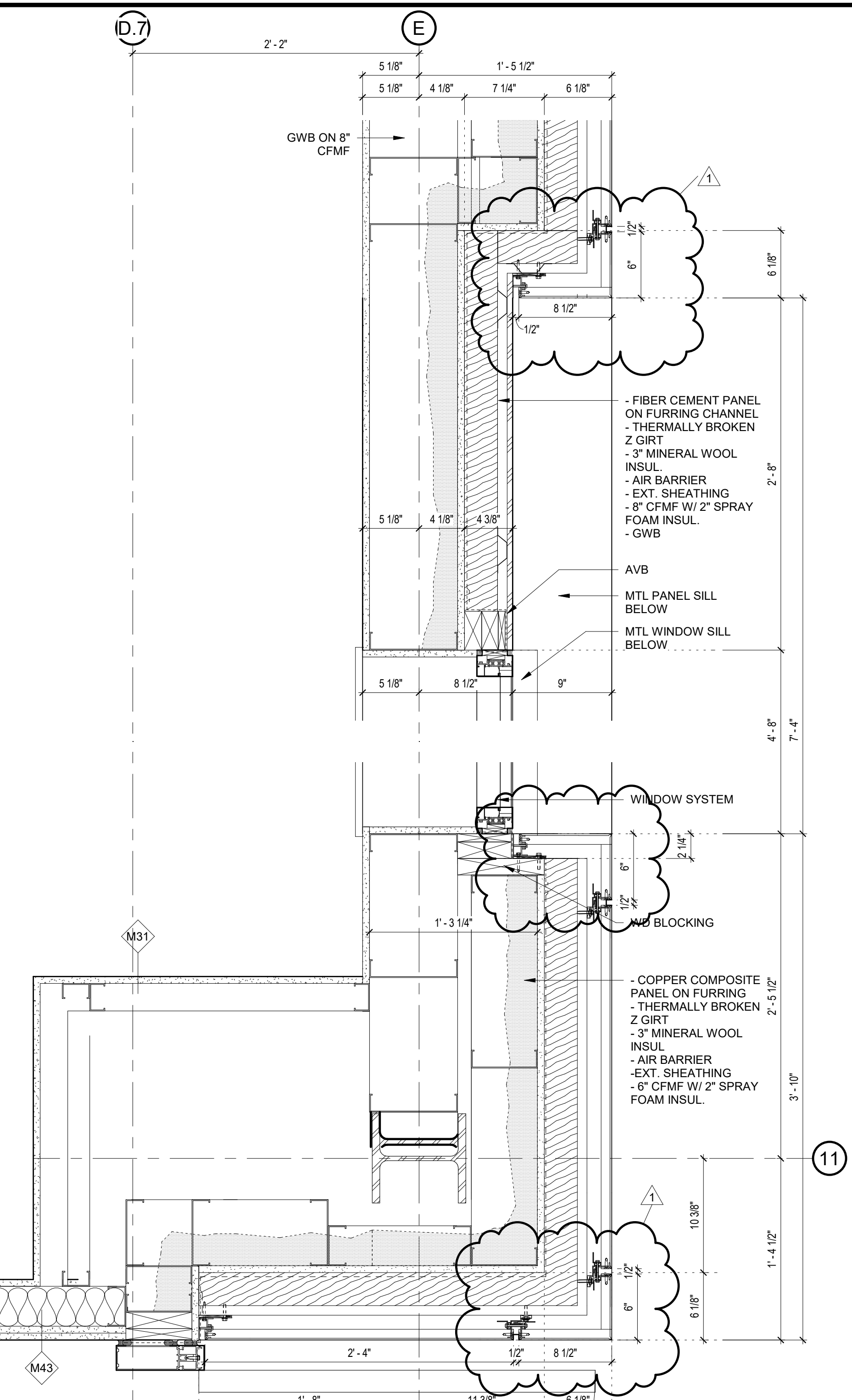
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3 PLAN DETAIL
 1 1/2" = 1'-0"

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

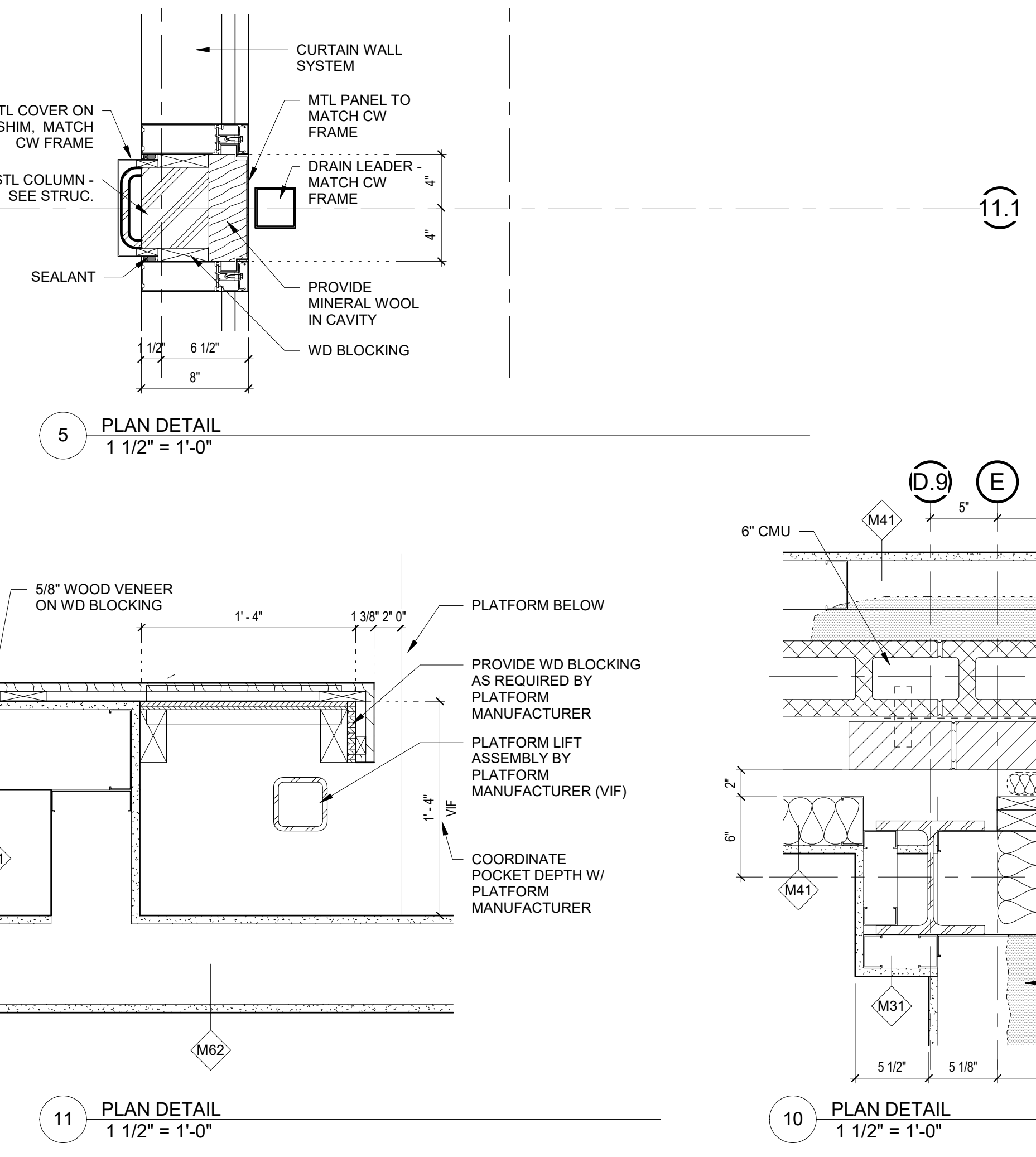
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5 PLAN DETAIL
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11

11.1



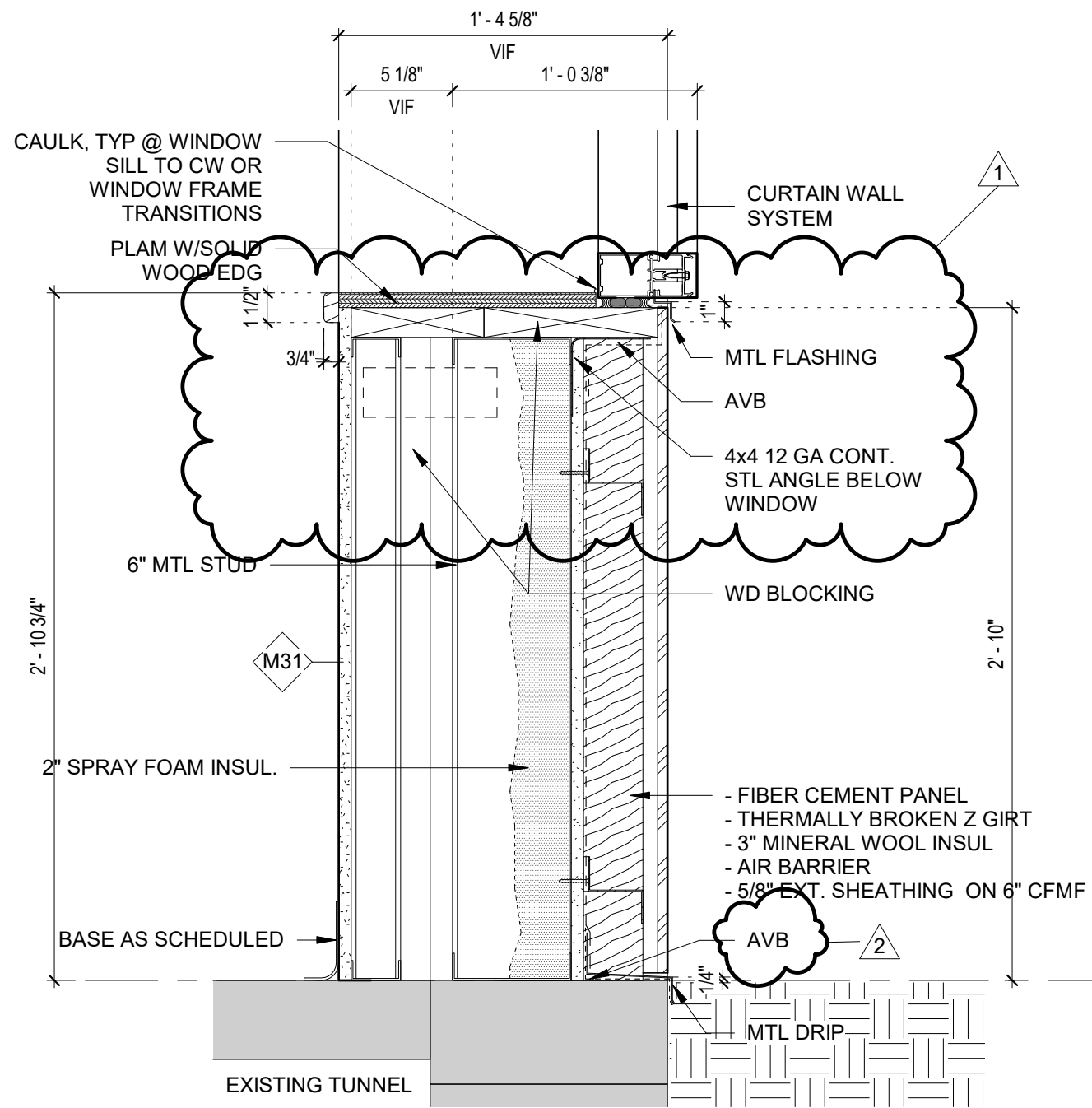
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9 PLAN DETAIL
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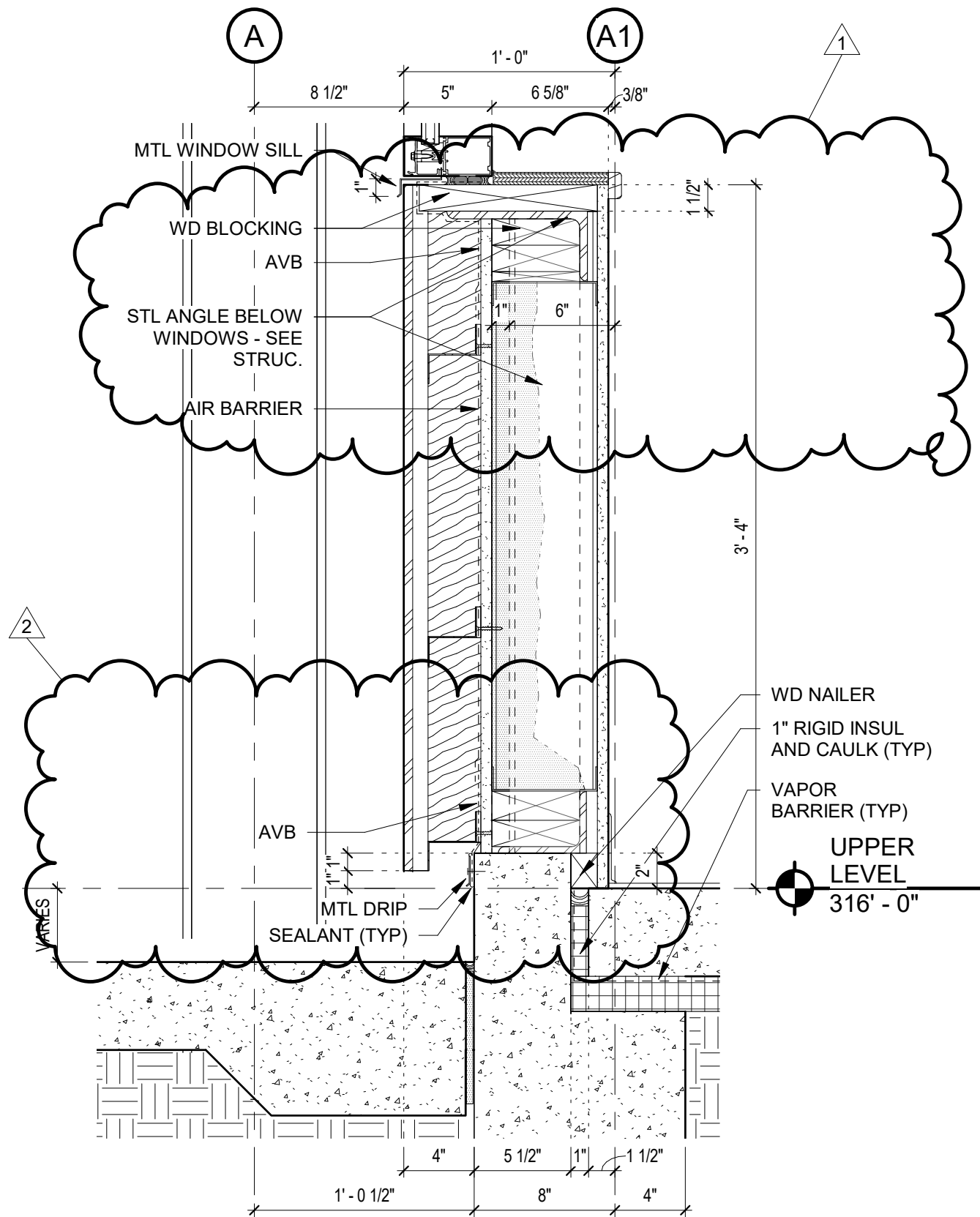
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 1 1/2" = 1'-0"

11 PLAN DETAIL
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3/10/2022 7:20:04 PM BM 380:\Bowers Elementary School\200910\Manchester-Bowers-ARCH-Centris-2021.rvt



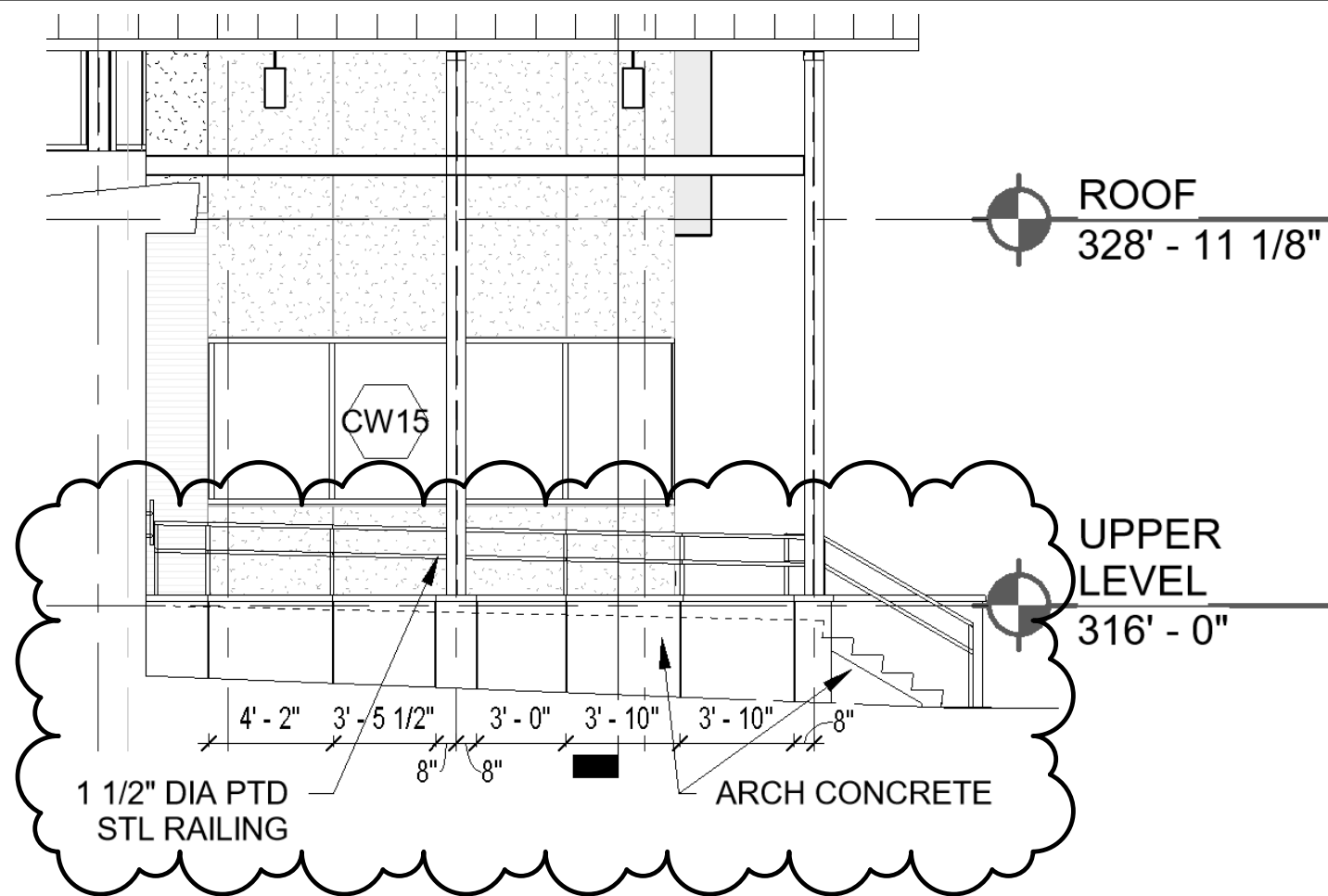
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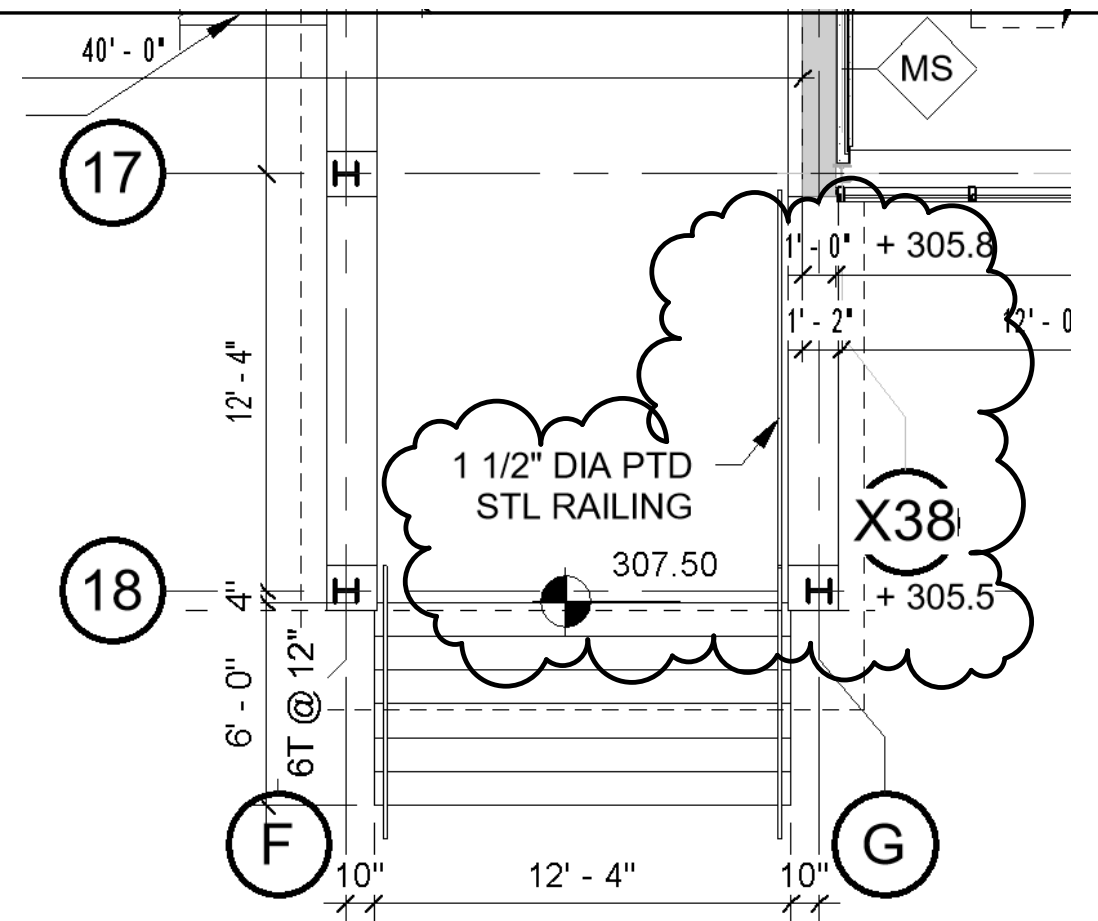
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 REFERENCE ADDENDUM: #2, #4
 REFERENCE RFI:
 REFERENCE SUPPLEMENTAL INFORMATION:
 REFERENCE CHANGE ORDER PROPOSAL REQUEST:
 REFERENCE SUBMITTAL:

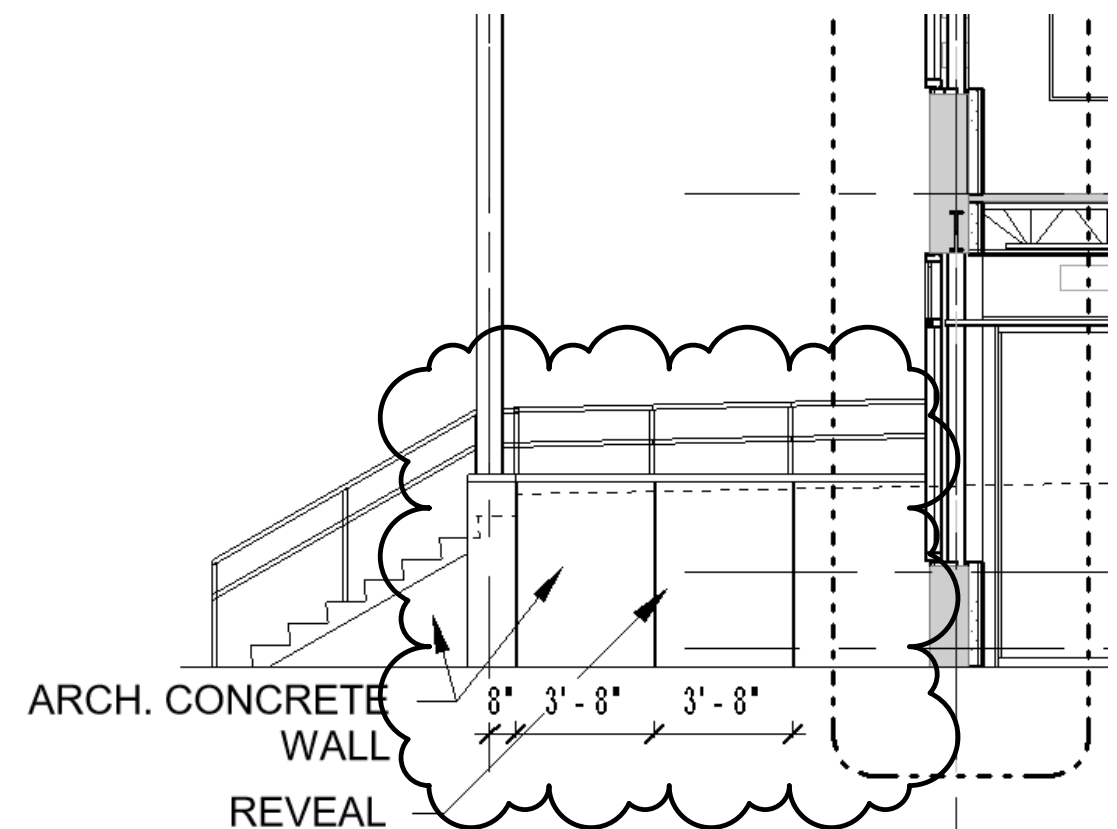
TSKP STUDIO One Hartford Square West 146 Wyllys Street, Bldg 1-203 Hartford, CT 06106 • 860.547.1970	JOB NAME / NUMBER: BOWERS ELEMENTARY SCHOOL	TITLE: DETAIL REVISIONS	DRAWING NO: PB_SKA-05R
	SCALE: 1/8" = 1'-0"		
	Addendum No. 7, March 2, 2022 DATE: 02/15/22	PREPARED BY: MS	



PARTIAL ELEVATION AT WEST ENTRANCE
SCALE: NTS, REFERENCE SHEET: 8/A3.03



PARTIAL FLOOR PLAN AT EAST ENTRANCE
SCALE: NTS, REFERENCE SHEET: A1.01B



PARTIAL BUILDING SECTION
SCALE: NTS, REFERENCE SHEET: 2/A3.11

REFERENCE SHEET:
REFERENCE ADDENDUM: #4
REFERENCE RFI:
REFERENCE SUPPLEMENTAL INFORMATION:
REFERENCE CHANGE ORDER PROPOSAL REQUEST:
REFERENCE SUBMITTAL:

TSKP STUDIO One Hartford Square West 146 Wyllys Street, Bldg 1-203 Hartford, CT 06106 • 860.547.1970	JOB NAME / NUMBER: BOWERS ELEMENTARY SCHOOL	TITLE: WEST AND EAST ENTRANCE RAILING AND WALL REVEAL REVISION	DRAWING NO: PB_SKA-09
	SCALE: Addendum No. 7, March 2, 2022		
	DATE: 02/28/22	PREPARED BY: MS	