



State of Utah

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Division of Facilities Construction and Management

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ADDENDUM NO. 5

Date: May 5, 2011
To: Shortlisted Contractors
From: Matthias Mueller - Project Manager
Reference: Residential Halls Buildings 2 and 3
Weber State University – Ogden, Utah
DFCM Project No. 10176810 and 11008810

Subject: Addendum No. 5

Pages	Addendum Cover Page	1 page
	<u>Architect's Addendum No. 5</u>	<u>94 pages</u>
	Total	95 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

5.1 SCHEDULE CHANGES: There are no Project Schedule changes.

5.2 GENERAL ITEMS: See attached Architect's Addendum No. 5 dated May 5, 2011.



**Addendum No. Five
for the
Weber State University
Residential Life Phase II - Buildings 2 and 3
DFCM Project Nos. 10176810 and 11008810
MHTN Project No. 2010543**

All Contractors submitting proposals on the above captioned project shall be governed by the following addendum, changes and explanations to the Request for Proposals for Construction Services documents dated March 15, 2011, Construction Documents dated April 14, 2011, Addendum No. 1 dated April 5, 2011, Addendum No. 2 dated April 25, 2011, Addendum No. 3 dated April 26, 2011 and Addendum No. 4 dated April 28, 2011 and shall submit information in accordance therewith:

For Clarification, the following questions, comments, revisions are addressed:

A5.1 Pre-Bid Conference from April 27, 2011.

- A. See attached Minutes and List of Attendees.

A5.2 Questions/comments from existing building walk through April 29, 2011

- A. See attached List of Attendees.
- B. Door hardware will be removed by WSU.
- C. We are targeting one point under Materials and Resources Credit 2 (MRc2).
- D. The Promontory Tower plant only serves Promontory Tower. It does not serve any other buildings.
- E. The kitchen equipment in Promontory Tower will be removed by the contractor.
- F. The radio tower (antenna) on the high roof will be removed by the contractor.
- G. The T-Mobile relay equipment will be removed by T-Mobile.
- H. As we walked through Wasatch Hall, Scott Thompson with WSU stated that everything that the owner wants to salvage has been removed. Promontory Tower will remain occupied for another year, but it will be turned over to the contractor in a similar condition.

A5.3 Questions/comments from Contractors

Question # 1: Reference sheet AE101B - It appears the exterior elevations detailed on this sheet are not correct. For example, the elevation details between grids T and U as well and Y and Z are not correct.

Answer: See Changes to Building 2 Drawings below.

Question # 2: Reference sheet ES101 - This drawing shows a detail through the duct bank which identifies the detail 1 on sheet EE004. I believe this detail is actually shown on EE005.

This is relatively, pretty, but could allow electrical subcontractors to overlook the 'red' concrete requirement.

Answer: This is correct. Please refer to the duct bank details on sheet EE005.

Question # 3: During our recent meeting held at the DFCM with all short-listed contractors, it was state the coating found on the CMU for both buildings contained a "small" amount of asbestos. Furthermore, it was state in this meeting that normal demolition procedures could be used while using water to minimize the friable content in the air. After discussing this with the demolition contractor for phase 1, it was the disposal process that affects both the costs and schedule. For bidding purposes, can we assume all demolition material will be safe to dispose of with all other debris and no separation of materials will be required?

Answer: See Changes to Project Manuals below.

Question # 4: During our recent formal project walk on Friday, April 29, 2011 we noticed there were tree's identified with a yellow ribbon which were to be saved, but these same trees were shown on sheet CD-001 to be removed. More specifically, the trees on the North East corner of the existing Wasatch Hall were inconsistent. Please clarify.

Answer: The notes on the plans indicate that the owner will be marking trees with green flagging to keep and red flagging to remove. Coordinate all tree demolition with the owner. The yellow flagging is not the final color of trees to keep or kill but was an earlier attempt to identify trees. WSU should have the trees identified with red or green flagging by May 6, 2011.

Question # 5: Reference sheet CS101 – The existing parking lot east of the Wasatch Hall makes reference to bid alternate # 3, however the alternate bid schedule as defined in the project manual section 012200 makes no reference to this same alternate. Please clarify.

Answer: See Section 012300 - Alternates, for Schedule of Alternates.

Question # 6: The mechanical "Site Piping" as defined on sheet MP201 of Building # 2 depicts this contract will include tying onto the (2) 6" pipes and running them to the Building # 2. However the building # 3 does not have this same drawing nor does it show the mechanical "Site Piping" from this building to the Building # 3. I would assume these same lines from Building # 2 will have to be taken over to the site for Building # 3, please clarify the site mechanical distribution requirements for building # 3.

Answer: See sheets MP101-bldg 3 set, MP101B-bldg 2 set and CU-301 for piping to Building 3.

Question #7: The specification section 101400 provides a signage bill of sale – is it the intent that the general contractors are to carry this cost as defined in the specification manual in our bid proposals?

Answer: Bidder is responsible for verifying that these costs are accurate and will remain in effect when the items are purchased.

Question # 8: The kitchen equipment is not specified on the drawings nor is there a specification listed in the project manual. Will the equipment be provided by others?

Answer: The kitchen equipment will be bid independently and installed by others. Selected general contractor is responsible for coordination and rough-in as shown in the

contract documents.

Question # 9: To further expand on our previous question regarding demolition and disposal of the CMU block, our understanding based on discussions with Grant Mackay is this block can be demolished with the balance of the building, but unless it is removed separately, you cannot obtain the LEED points for this material. Therefore in order to receive credit for LEED recycling, the CMU block must be removed and hauled separately which will take additional time on each building. This may be especially important because the current LEED MRc2 credit includes diverting 50% from the landfill for waste and demolition debris.

a. Can you verify if this same requirement will apply to Promontory Tower?

Answer: For both buildings, we are targeting one point under Materials and Resources Credit 2 (MRc2).

Question # 10: To further expand on the trees to be removed which are presently tagged with yellow ribbon but which do not show as being removed on the demo drawings, the trees presently marked at located at the N.E. corner of Wasatch Hall; at the North side of the West entry to Wasatch Hall and on the NW corner of Wasatch Hall.

Answer: See response to Question # 4 above.

Question # 11: Drawing CU-301 has a Gas utility note stating the Contractor is responsible for all Questar fees. We have a call into Scott with Questar (801-395-6781) to inquire what these fees may be but have not been able to receive information back yet. Do you have a separate contact or can you tell us if the current design has been submitted and approved by Questar so these fees can be determined? If design has not been submitted to Questar, how shall we price this item in the bid as the amount would be unknown?

Answer: Mike Kuhn has a copy of the drawings and should be able to determine the fees for the gas work. Bidders can contact Mike Kuhn with Questar (801.791.0902).

Question # 12: Specification Section 024117-2.A says the Owner will remove fluid from existing tanks prior to demolition. Will all tanks have fluid removed prior to contractor starting demolition activities to avoid any delays in demolition schedule?

Answer: Section 024117.2.A refers only to underground storage tanks. The owner will pump out the liquid fuel. Contractor is responsible for removal of sludge and residue. Contractor is also responsible for the removal and disposal of any contaminated soil that occurs as a result of removing the tanks. See Changes to Project Manuals below.

Question # 13: DFCM stated in our April 28th meeting at DFCM that the demolition subcontractor must have a structural engineer approve the demolition process. Will this be listed in the addenda to ensure all demo subcontractors clearly understand this requirement?

Answer: For Building 3 (Promontory Tower Demolition) See Section 024116 - STRUCTURE DEMOLITION Paragraph 1.5.B.2. Engineering drawings shall be prepared by an engineer licensed in the State of Utah.

Question # 14: As discussed in our April 28th meeting at DFCM, Okland will be demolishing Stansbury Hall in June and therefore may damage the existing irrigation lines during that process. Current drawings require landscaper to verify existing damage on site and bid to repair. How can this be addressed to ensure new damage which may occur during Oklands demolition will not be placed on the phase 2 Contractor?

Answer: Okland is under contract to leave the irrigation system operational

including the area in the vicinity of Stansbury Hall

Question # 15: Reference Specification section 092115 GYPSUM BOARD ASSEMBLIES. In this specification section under 1.2 Summary #2 of A it states “Abuse Resistant Throughout. In addition, in this same specification section under 2.4 GYPSUM BOARD PRODUCTS item B it states....”Abuse Resistant....where indicated or required....” Is it the intent to have this abuse resistant wall board on every wall from floor to ceiling and also the ceiling wall board? Please clarify.

Answer: The intent is to have abuse resistant gypsum board on the ceilings and on every wall from floor to ceiling.

Question # 16: The RFP Reads: A bid bond properly signed by a qualified surety, as indicated on the DFCM Bid Bond form provided along with this Instruction to Bidders, in the amount of 5% of the bid, shall accompany the bid submission to DFCM. THIS BID BOND MUST BE ON THE DFCM BID BOND FORM PROVIDED WITH THIS INSTRUCTION TO BIDDERS IN ORDERS TO BE CONSIDERED AN ACCEPTABLE BID unless only one bid is received by DFCM, or the failure to comply with the bid bond requirements is determined by the Director of DFCM to nonsubstantial based on the following: the bid bond is submitted on a form other than DFCM’s required Bid Bond form and the bid bond meets all other requirements including being issued by a surety firm authorized to do business in the State of Utah and be listed in the U.S. Department of the Treasury Circular 570, Companies Holding Certificates of Authority as Acceptable Securities on Federal Bonds and as Acceptable Reinsuring Companies for an amount not less than the amount of the bond to be issued. A co-surely may be utilized to satisfy this requirement; and the contractor provides a bid bond properly signed by a qualified surety and on the required DFCM Bid Bond form by the close of business of the next succeeding business day after the DFCM notifies the bidder of the defective bid bond. Attention Bidders.

Answer: No Question To Respond To

Question # 17: Specification Section 02 4117 Hazardous Material Abatement Reads: There is approximately xxx square feet of currently non-friable block filler to be removed. Contractor shall wet the material prior to and as it is removed and shall place it in poly-lined dumpsters prior to transport. Block filler is considered a Category 1 non-friable material according to Utah DAQ. Attention Bidders

Answer: See Changes to Project Manuals below.

Question # 18: Specification Section 02 4117 Hazardous Material Abatement Reads: Contractor shall exercise due care and caution to avoid unnecessary dust during the demolition. Industrial hygiene personnel will be collecting daily air samples in the area of the demolition (upwind and downwind) and will stop or slow the work as necessary to ensure dust remains at an acceptable level.

Answer: See Changes to Project Manuals below.

Question # 19: Specification Section 02 4117 Hazardous Material Abatement Reads: Contractor shall remove and dispose of the underground storage tanks as detailed on the enclosed drawing. Please provide “enclosed drawing”.

Answer: See Changes to Project Manuals below.

Question # 20: Specification Section 02 4117 Hazardous Material Abatement Reads: Contractor shall ensure that a 40-hour asbestos-trained project supervisor is in attendance

during all phases of the work. Attention bidders.

Answer: See Changes to Project Manuals below.

Question # 21: Specification Section 07 2726 Fluid-Applied membrane Air Barriers Reads: Applicator Qualifications: A firm experienced in applying air barrier material similar in material design, and extent to those indicated for this project, whose work has resulted in applications with a record of successful in-service performance and that is an ABAA-licensed contractor, employs certified and registered installers, and complies with ABAA's Quality Assurance Program. Attention bidders.

Answer: No Question To Respond To

Question # 22: Specification Section 07 2726 Fluid-Applied Membrane Air Barrier Reads: Product Certificates: For air barriers, certifying compatibility of air barrier and accessory materials with Project materials that connect to or that come in contact with the barrier; signed by product manufacturer. Please verify that specified products and details for construction comply with this requirement.

Answer: The contractor shall be responsible for verifying compliance with the specifications.

Question # 23: Specification Section 07 5419 Polyvinyl Chloride Membrane Roofing Reads: Warranty Period: 30 years from date of Substantial Completion, with 90 mph Wind rating. Please verify that roofing membrane manufacturers listed can provide said warranty and meet all other specified requirements listed.

Answer: The contractor shall be responsible for verifying compliance with the specifications.

Question # 24: Specification Section 09 2115 Gypsum Board Assemblies Reads: Moisture and Mold Resistant Abuse resistant Type for Wet Areas. Please verify location of Moisture/Mold Resistant/Abuse Resistant drywall.

Answer: Shower Rooms, Toilet Rooms, Bathrooms and Restrooms

Question # 25: Specification Section 09 6566 Resilient Athletic Flooring Reads: Manufacturer – Mondo Advanced. Attention bidders.

Answer: No Question To Respond To

Question # 26: Specification Section 10 1400 Interior Signage Reads: Signage package to be purchased through the State Contract from Utah Correctional Industries Attn: Perri Flory. Attention bidders.

Answer: No Question To Respond To

Question # 27: Specification Section 10 2116 Shower Compartments Reads: Manufacturers – Best Bath. Attention bidders.

Answer: No Question To Respond To

Question # 28: CD-001 – Note 7 Reads: If Asbestos is found, the Asbestos must be removed in a legal manner by a contractor licensed to handle Asbestos material. (Not a part of contract.) Is asbestos abatement included as described in specification diction 02 4117 or

not? Please clarify

Answer: See Changes to Drawings below.

Question # 29: CD-002 Unable to read/decipher overlapping data points. Please remove overlaps or rearrange data point on drawing.

Answer: See Changes to Drawings below.

Question # 30: CS-101 – Caution Notice to Contractor Reads: It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvement shown on the plans. Please verify that where existing utilities are not in locations shown on drawings and conflict with proposed improvements, owner will be responsible for added relocation costs.

Answer: The contractor is to base the bid on the shown relocations / crossings. Un-marked crossings or unknown relocations will be paid as a change order basis.

Question # 31: CS-01 – Utility Location Requirements Reads: The contractor shall at his cost, provide GPS Coordinates for all utilities found during demolition, marked or not marked, all utility relocation, all utility connections and all new utility lines. Please provide software compatibility requirements for GPS data.

Answer: Provide the points in an ASCII Text file as well as in an AutoCAD Civil drawing file.

Question # 32: CS-101 Tree Demolition Note Reads: These trees will also have 6' tall chain link fencing placed around them at the drip line (location must be approved by owner). Section 01 5639 Temporary Tree and Plant Protection Reads: Install protection-zone fencing along edges of protection zones before materials or equipment are brought on the site and demolition operations begin. Does this include interior demolition of clock walls as described in section 02 4117 or not. Please verify.

Answer: It is the contractor's responsibility to protect the trees throughout the construction phase. Tree protection does not have to be in place when interior block demolition takes place depending on the haul route and dumpster location. When this demolition takes place, if the haul route is near trees to remain or the dumpster will be near trees to remain, then at least these trees will need to have the required protection prior to the beginning of the interior block demolition.

Question # 33: CG-200 – Note 13 Reads: All public & University roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operations. Please verify that daily instead of "as needed" cleaning of roadways is intended.

Answer: Daily is intended because on the last several projects as needed has resulted in significant race tracks coming out of the construction site.

Question # 34: CG-200 – Reads: All Construction to Conform to WSU Standards and Specifications. Please confirm that WSU Residential Life Building Phase 2 & 3 drawings & specifications conform to "WSU Standards and Specifications".

Answer: The plans and specifications have been approved by WSU and are in compliance as far as we know.

Question # 35: Section 01 5639 Temporary and Plant Protection: Please verify that should

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damage occur during the course of construction, contractor is responsible for replacement of trees designated to remain, located in or near utility and building excavations/construction and requiring "root pruning" and/or "regrading".

Answer: Section 015639 is clear regarding the penalties for tree damage.

Question # 36: Section 01 5639 Temporary and Plant Protection Reads: The campus irrigation systems may or may not be operable at any given time. During periods of operation, will contractor be able to use campus irrigation to maintain trees/vegetation? Will use of campus irrigation be back charged to contractor? Please provide dates of campus irrigation operation and shutdown.

Answer: Contractor may use the campus irrigation to maintain trees / vegetation without being back charged. The campus irrigation system is generally fully energized from April 15 through September 30. The system may be down for four or five days throughout this period due to other repairs. Down time is generally less than 24 hours per occurrence

Question # 37: CU-301 - Retaining Wall Drainage Note Reads: Construct 3" perforated HDPE pipe behind All rock retaining walls. Attention bidders

Answer: No Question To Respond To

Question # 38: CS-401 - Note Reads: Add PentraSil 244+ before curing compounds, add fiber mesh at rate of 1 " lb/yd of Concrete. Attention bidders.

Answer: No Question To Respond To

Question # 39: CW-501 - Equipment and Vehicle Washdown Area: Will WSU provide water for equipment/vehicle washdown areas or will it be the responsibility of the contractor to provide said water? Please verify.

Answer: Refer to Section 015000 for use and metering of temporary utilities.

Question # 40: LI101 - Irrigation Remodel Note Reads: This contractor shall be responsible for field verification of existing sprinkler irrigation system in terms of flow capacity, valve wiring, valve and head layout and controller capacity. Should verification of existing landscape irrigation system prove incompatibility between existing and new irrigation systems, and should incompatibility result in additional cost, will WSU or contractor be responsible for additional cost?

Answer: The intent of the irrigation remodel notes is to allow the successful contractor to verify the existing irrigation system and temporarily remodel said system in order to water the existing plant material to remain during the course of construction. At some point during the course of construction, the remodeled sections will be removed and the new system constructed.

Question # 41: LI101 - Irrigation Remodel Note Reads: This contractor shall be responsible for the complete remodel of a section of the existing irrigation system as shown and for providing for full coverage of all system heads and for the full and complete operation of both the new and existing system in the areas being modified. "Remodel" section of existing irrigation system unclear. Please clarify with separate drawing. Please verify operational status of all system heads and existing system.

Answer: See Answer to Question # 40

Question # 42: LI502 - Note 18 Reads: The contractor shall furnish to the owner a complete "as built" drawing on mylar. Please verify use of mylar for "as built" drawing.

Answer: One of the sets of the landscape irrigation "as built" drawings shall be delivered on mylar.

Question # 43: LI502 - Note 20 Reads: Irrigation contractor shall maintain the system for the duration of the maintenance period and shall water on a daily basis. Attention bidders.

Answer: No Question To Respond To

Question # 44: LI502 - Note 25 Reads: The irrigation controller assembly shall be certified by John Deere Green Tech. Attention bidders.

Answer: No Question To Respond To

Question # 45: LP501 - General Planting Notes Read: The contractor shall spread topsoil to a depth of 6" in all lawn planting areas and 12" in all shrub and perennial beds. Attention bidders.

Answer: No Question To Respond To

Question # 46: LP501 - General Planting Notes Read: All mowstrips are to be installed prior to the installation of the irrigation system and the landscape planting. Attention bidders.

Answer: No Question To Respond To

Question # 47: AS501 - Detail C4: Rope Light - See Electrical. Attention bidders.

Answer: No Question To Respond To

Question # 48: AS501 - Details A4 & A5: #4 Bar Cont. Please verify no #4 cont. in ornamental fence mow strip.

Answer: Reinforcing bar is not required at ornamental fence mowstrip.

Question # 49: AS501 - Details C1, C2 & C3: 12" Concrete Mow Strip (C1 & C3) & 24" Concrete Mow Strip (C2) shown. Please verify width of ornamental fence mow strip. Additionally, 12" mow strip does not provide "6" Min. Coverage All Sides" at fence posts. Please advise.

Answer: Revise width of mowstrip at ornamental fence to be 2'-0" wide.

Question # 50: AS502 - Please verify all exterior handrail/guardrail to be stainless steel.

Answer: Yes

Question # 51: SG001 - L. Open Web Joists and Girders Note 3 Reads: Any bracing required for miscellaneous items must connect to the top chord of the joist or girder. Bracing to the bottom chord is not allowed unless specifically detailed that way on the plans. Attention bidders.

Answer: No Question To Respond To

Question # 52: SG001 - M. Masonry Note 7 Reads: All block cells containing reinforcing,

bolts, or anchors shall be grouted solid. M. Masonry Note 9 Reads: All masonry walls shall be grouted solid. Should all block cells or just block cells containing reinforcing, bolts, or anchors be grouted solid? Please verify.

Answer: All cells of all masonry walls shall be grouted solid.

Question # 53: SG001 – M. Masonry Note 22 Reads: Electrical conduit shall not be placed in cells that contain rebar. Conduit is allowed to pass through reinforced cells when it occurs perpendicular to the rebar. Conduit shall not contact rebar as it passes. There shall be 1” clear between conduit and rebar. Attention bidders.

Answer: No Question To Respond To

Question # 54: SG001 – N. Deferred Submittals Note 1 Reads: Deferred submittals are complete packages to be submitted for review that include drawings and calculations for all elements and for connections of items listed below. Deferred submittals shall bear the stamp and signature of the design professional responsible for the design. Attention bidders.

Answer: No Question To Respond To

Question # 55: Section 03 3300 Cast-in-Place Concrete & Sheet & Sheet AS-503 – Please provide a more detailed definition of “Class A” concrete finish.

Answer: Section 033000 defines “Class A” concrete surface irregularities.

Question # 56: AE-001 – All interior partitions terminate at the underside of the deck. Attention bidders.

Answer: No Question To Respond To

Question # 57: AE-001 – Fill all annular space of all penetrations through deck with fire safing material. Attention bidders.

Answer: No Question To Respond To

Question # 58: AE004 – Provide insulation at all exposed piping beneath sinks. Attention bidders.

Answer: No Question To Respond To

Question # 59: AE006 through AE010 – Please verify all UL ratings have been incorporated throughout drawings and specifications.

Answer: The UL ratings shown are part of the Contract Documents.

Question # 60: AE011 – Building mock-up drawing & details. Attention bidders.

Answer: No Question To Respond To

Question # 61: AC101A – General Notes 3 Reads: All ceilings are to be seismically braced. A minimum of one brace required in any space of 1000 SF or larger. See A1/AE551 for typical suspended ceiling seismic bracing. Attention bidders.

Answer: No Question To Respond To

Question # 62: AC101A – General Notes 5 Reads: See detail B1/AE551 for ceiling suspension details below ductwork or other obstructions. Attention bidders.

Answer: No Question To Respond To

Question # 63: AC101A – General Notes 8 Reads: RE: A4/AE551 for suspended ceiling perimeter seismic attachment. Attention bidders.

Answer: No Question To Respond To

Question # 64: AE501 – Detail E1 Reads: Roof membrane to extend up parapet, over top & face of sheathing. Please verify roof membrane to wrap over top of parapet cap and over top of wall; with membrane seam at top of wall/parapet transition.

Answer: See Changes to Drawings below.

Question # 65: AE501 – Detail C1 Reads: Masonry thru wall flashing in (2) sealant beds. Please verify all through wall flashings to be copper.

Answer: Section 042000 indicates masonry flashing to be stainless steel.

Question # 66: AE 521 – Head, Sill & Jamb Details: Details show that fluid applied air barrier does not wrap around or onto window support angles, thru wall flashings, and sheet flashings. Please verify fluid applied air barrier to terminate at window openings as shown on drawings.

Answer: See Changes to Drawings below

Question # 67: AE601 – Partition Types 1-11 Read: 5/8” Type X Abuse Resistant Gypsum Board. Partition Type 12 Reads: 5/8” Gypsum Board. Details A1, A2, A3 & A4 show all gypsum board to be taken to deck. Attention bidders.

Answer: See Changes to Drawings below.

Question # 68: AE601 –Details A1, A2, A3 & A4 Read: Acoustic Batt Insulation. 3” Wide Backing Plate Flat Bar @ 24” O.C. Where Partition Location Is Between Flutes. Acoustical Sealant Both Sides. Attention bidders.

Answer: See Changes to Drawings below.

Changes to the Building 2 Project Manual:

A5.4 SECTION 024117 – HAZARDOUS MATERIAL ABATEMENT

- A. Replace this section in its entirety with the attached Section 024117 - HAZARDOUS MATERIALS ABATEMENT.

A5.5 SECTION 075419 - POLYVINYL CHLORIDE MEMBRANE ROOFING

- A. Revise paragraph 2.2.A to add the following manufacture
Fiber-Tite

A5.6 SECTION 087100 - DOOR HARDWARE

- A. Revise paragraph 2.1.A.1.b to add the following manufactures:

4) Exit Devices: Add Corbin Russwin

10) Rem Mullion: Add Corbin Russwin

A5.7 SECTION 096813 - TILE CARPETING

A. Revise the allowance shown in paragraph 1.2.A to be \$25.00 per yard.

A5.8 SECTION 096516.13 - LINOLEUM FLOORING

A. Revise paragraph 2.3.F.2 to add the following manufacture:
Pliteq, Inc.

A5.9 SECTION 107315 - EXTERIOR SUN CONTROL DEVICES

A. Revise paragraph 2.01.A to add the following manufactures:
ASCA, Inc.
Ohio Gratings, Inc.

Changes to the Building 2 Drawings:

A5.10 Sheet AS501

A. Detail C1/AS501 - Revise width of concrete mowstrip to be 2'-0".
B. Detail C3/AS501 - Revise width of concrete mowstrip to be 2'-0"..

A5.11 Sheet LI101

A. Delete paragraphs 6 and 7 of the irrigation remodel notes.
B. All remaining irrigation remodel notes apply to the preservation of the existing system and its use in watering the existing plant material to remain.

A5.12 Sheet AE101A

A. Delete elevation callouts 7/AE201, 8/AE201, 12/AE201, AND 13/AE201. These elevations are included in the "unfolded" elevation 1/AE201.

A5.13 Sheet AE101B

A. Delete elevation callout 14/AE611. The drawing referenced is Window Type 14, noted on the plans by the window type symbol.
B. Revise elevation callout 10/AE201 to read 2/AE201. Locate callout in similar location as shown on AE102B.

A5.14 Sheet AE102A

A. Delete elevation callouts 7/AE201, 8/AE201, 12/AE201, AND 13/AE201. These elevations are included in the "unfolded" elevation 1/AE201.

A5.15 Sheet AE102B

A. Delete elevation callout 10/AE201. This elevation is included in the "unfolded" elevation 2/AE201.

A5.16 Sheet AE103A

A. Delete elevation callouts 7/AE201, 8/AE201, 12/AE201, AND 13/AE201. These elevations are included in the "unfolded" elevation 1/AE201.

A5.17 Sheet AE103B

- A. Delete elevation callout 10/AE201. This elevation is included in the "unfolded" elevation 2/AE201.

A5.18 Sheet AE104A

- A. Delete elevation callouts 7/AE201, 8/AE201, 12/AE201, AND 13/AE201. These elevations are included in the "unfolded" elevation 1/AE201.

A5.19 Sheet AE104B

- A. Delete elevation callout 10/AE201. This elevation is included in the "unfolded" elevation 2/AE201.

A5.20 Sheet AE501

- A. Detail E2/AE501 revise note "SHEET FLASHING" to read "ROOF MEMBRANE STRIP OVER TOP & FACE OF BLKG, SEAL TO PARAPET ROOF MEMBRANE".
- B. Detail C3/AE501 add note "ROOF VAPOR RETARDER - EXTEND 4" BEHIND ROOFING MEMBRANE". Show continuous vapor retarder above steel deck and along outboard face of 1 1/2" rigid insulation to 4" behind roofing membrane at parapet. Show continuous air/weather barrier bridging the expansion joint at parapet. See sheet AD05-A01.

A5.21 Sheet AE502

- A. Details D4 & D5/AE502 revise note "SHEET FLASHING" to read "ROOF MEMBRANE STRIP OVER TOP & FACE OF BLKG, SEAL TO PARAPET ROOF MEMBRANE".
- B. Details E4 & E5/AE502 add note "ROOF MEMBRANE STRIP OVER TOP & FACE OF BLKG, SEAL TO PARAPET ROOF MEMBRANE" at location similar D4/AE502.

A5.22 Sheet AE503

- A. Detail A1/AE503 add a callout at the curtainwall sill condition to reference B2/AE501 SIM.
- B. Detail A2/AE503 add note "ROOF VAPOR RETARDER, EXTEND 4" BEHIND ROOFING MEMBRANE". Show continuous vapor retarder above steel deck and along outboard face of 1 1/2" rigid insulation to 4" behind roofing membrane at parapet.
- C. Detail B1/AE503 add note "ROOF VAPOR RETARDER, EXTEND 4" BEHIND ROOFING MEMBRANE". Show continuous vapor retarder above steel deck and along outboard face of cementitious backer unit to 4" behind roofing membrane at parapet.
- D. Details D1 & D3/AE503 add note "WATERPROOFING" to top surface of topping slab. Extend waterproofing over parapets at ends of topping slab.

A5.23 Sheet AE504

- A. Revise all details to show continuous air/weather barrier as shown. Delete note "30 lb BUILDING FELT" from details D1, C1, A1/AE504. See Sheet AE504

A5.24 Sheet AE505

- A. Revise details D1 & C1/AE505 to show continuous air/weather barrier as shown. Delete note "30 lb BUILDING FELT". See Sheets AD05-A02 & AD05-A03

A5.25 Sheet AE506

- A. Revise detail A1/AE506 to show continuous air/weather barrier as shown. Delete note "30 lb BUILDING FELT". See Sheet ADO5-A04

- B. Detail A4/AE506 add note "CONT. AIR/WEATHER BARRIER" between 1 1/2" Rigid Insulation and Glass Mat Gypsum Sheathing.

A5.26 Sheet AE507

- A. Detail C2/AE507 wrap Continuous Vapor Retarder between 1 1/2" Rigid Insulation and CMU.

A5.27 Sheet AE508

- A. Detail D1/AE508 show 5/8" gypsum sheathing perpendicular to Grid XX at curtainwall system. Show Cont. Air/Weather Barrier applied to exterior face of gyp. sheathing. See AD05-A05

A5.28 Sheet AE510

- A. Details B2 & B4/ AE510 add R-13 Batt Insulation at stud cavities. Add note "ROOF VAPOR RETARDER - EXTEND 4" BEHIND ROOFING MEMBRANE". Show continuous vapor retarder above steel deck and along outboard face of 1 1/2" rigid insulation to 4" behind roofing membrane at parapet. Show continuous air/weather barrier bridging the expansion joint at parapet. Show flexible insulation at expansion gap. Add continuous vapor retarder at expansion gap. See sheets AD05-A06 & AD05-A07.
- B. Detail A2/AE510 revise note "VAPOR RETARDER" to read "VAPOR RETARDER - EXTEND ONTO SUMP RECEIVER, TYP".
- C. Detail A4/AE510 revise note "VAPOR RETARDER" to read "VAPOR RETARDER - LAP ONTO PIPE".
- D. Detail A5/AE510 revise note "VAPOR RETARDER" to read "VAPOR RETARDER - EXTEND 4" BEHIND ROOF MEMBRANE". Details B2 & B4/AE510 add R-13 Batt Insulation at stud cavities. Add note "ROOF VAPOR RETARDER - EXTEND 4" BEHIND ROOFING MEMBRANE". Show continuous vapor retarder above steel deck and along outboard face of treated plywood to 4" behind roofing membrane at parapet.

A5.29 Sheet AE521

- A. Details B1, B2, B3, & B4/AE521 revise note "SHEET FLASHING" to read "SHEET FLASHING - WRAP AROUND SUPPORT ANGLE"
- B. Details A1 & A2/AE521 revise note "SHEET FLASHING" to read "SHEET FLASHING - WRAP AROUND LIGHT GAUGE ANGLE". Show light gauge angle attached to metal stud. See sheets AD05-A08 & AD05-A09.

A5.30 Sheet AE601

- A. Detail A2/AE601 revise inner gypsum layers to be held back from the metal deck an equal distance to outer gypsum layers.
- B. Detail A3/AE601 increase extents of fire safing perpendicular to deck to extend beyond width of wall. Add galvanized steel angle and gyp backing on both sides of partition as shown on sheet AD05-A10. Revise note "ACOUSTICAL SEALANT BOTH SIDES" to read "FIRE STOP SEALANT BOTH SIDES".
- C. Detail A4/AE601 increase extents of fire safing perpendicular to deck to extend beyond width of wall. Revise note "ACOUSTICAL SEALANT BOTH SIDES" to read "FIRE STOP SEALANT BOTH SIDES". Revise inner gypsum layers to be held back from the metal deck an equal distance to outer gypsum layers. See sheet AD05-A11.
- D. Partition Type 9 revise note to read " 5/8" TYPE 'X' ABUSE RESISTANT GYPSUM

BOARD"

- E. Partition Type 11 revise note "NOM 8 x 8 x 16 C.M.U." to read "NOM 10 x 8 x 16 C.M.U."
- F. Rename Wall Type 12 to Partition Type 12. Revise note to read " 5/8" TYPE 'X' ABUSE RESISTANT GYPSUM BOARD"

A5.31 Civil

- A. See attached Building 2 Civil Addendum No. 5 from GBE

A5.32 Structural

- A. See attached Building 2 Structural Addendum No. 5 from ARW

A5.33 Mechanical

- A. See attached Building 2 Mechanical Addendum No. 5 from CEA

A5.34 Electrical

- A. See attached Building 2 Electrical Addendum No. 5 from ECE

Changes to the Building 3 Project Manual:

A5.35 SECTION 024117 - HAZARDOUS MATERIAL ABATEMENT

- A. Replace this section in its entirety with the attached Section 024117 - HAZARDOUS MATERIALS ABATEMENT..

A5.36 SECTION 075419 - POLYVINYL CHLORIDE MEMBRANE ROOFING

- A. Revise paragraph 2.2.A to add the following manufacture
Fiber-Tite

A5.37 SECTION 087100 - DOOR HARDWARE

- A. Revise paragraph 2.1.A.1.b to add the following manufactures:
4) Exit Devices: Add Corbin Russwin
10) Rem Mullion: Add Corbin Russwin

A5.38 SECTION 096813 - TILE CARPETING

- A. Revise the allowance shown in paragraph 1.2.A to be \$25.00 per yard.

A5.39 SECTION 096516.13 - LINOLEUM FLOORING

- A. Revise paragraph 2.3.F.2 to add the following manufacture:
Pliteq, Inc.

A5.40 SECTION 107315 - EXTERIOR SUN CONTROL DEVICES

- A. Revise paragraph 2.01.A to add the following manufactures:
ASCA, Inc.
Ohio Gratings, Inc

Changes to the Building 3 Drawings:

A5.41 Sheet LI101

- A. Delete paragraphs 6 and 7 of the irrigation remodel notes.

- B. All remaining irrigation remodel notes apply to the preservation of the existing system and its use in watering the existing plant material to remain.

A5.42 Sheet AE100B

- A. Revise Canopy Columns and locations at entry. See AD05_A24 and Sheet AE509

A5.43 Sheet AE501

- A. Delete Detail A4/AE501
- B. Detail C3/AE501 revise note "STOREFRONT SYSTEM" at door to read "CURTAINWALL SYSTEM". Show HSS Column from Structural drawings. Add sheathing and blocking at storefront system. Extend air/weather barrier to meet vapor retarder at rough openings. See Sheet AD05-A13
- C. Detail B1/AE501 add sheathing at curtainwall system and extend air/weather barrier to meet vapor retarder at rough opening. See Sheet AD05_A14
- D. Detail B3/AE501 add sheathing at curtainwall system and extend air/weather barrier to meet vapor retarder at rough opening. See Sheet AD05_A15
- E. Detail A2/AE501 add sheathing at curtainwall system and extend air/weather barrier to meet vapor retarder at rough opening. See Sheet AD05_A16

A5.44 Sheet AE503

- A. Detail B3/AE503 revise note to read "SEALANT & BACKER ROD, DISCONTINUOUS AT 16" OC" See Sheet AD05_A17

A5.45 Sheet AE509

- A. Revise Canopy design as shown on Sheet AE509. Additional composite metal panel and single membrane roofing to be added to canopy.

A5.46 Sheet AE510

- A. Detail A2/AE510 revise note "VAPOR RETARDER" to read "VAPOR RETARDER - EXTEND ONTO SUMP RECEIVER, TYP".
- B. Detail A4/AE510 revise note "VAPOR RETARDER" to read "VAPOR RETARDER - LAP ONTO PIPE".
- C. Detail A5/AE510 revise note "VAPOR RETARDER" to read "VAPOR RETARDER - EXTEND 4" BEHIND ROOF MEMBRANE". Details B2 & B4/AE510 add R-13 Batt Insulation at stud cavities. Add note "ROOF VAPOR RETARDER - EXTEND 4" BEHIND ROOFING MEMBRANE". Show continuous vapor retarder above steel deck and along outboard face of treated plywood to 4" behind roofing membrane at parapet.

A5.47 Sheet AE521

- A. Details D1, B2, & B1/AE521 revise note to read "SEALANT & BACKER ROD, DISCONTINUOUS AT 16" OC". Wrap sheet flashing around support angle. Revise note "SEALANT BED" to read "CONT. SEALANT BED AT BACK DAM". See Sheets AD05_A18, AD05_A21, & AD05_A22
- B. Detail A3/AE521 revise note to read "SEALANT & BACKER ROD, DISCONTINUOUS AT 16" OC". Revise note "SEALANT BED" to read "CONT. SEALANT BED AT BACK DAM". See Sheet AD05_A19
- C. Detail B3/AE521 revise note to read "SEALANT & BACKER ROD, DISCONTINUOUS AT 16" OC". Wrap sheet flashing around support angle. See Sheet AD05_A20
- D. Details A1 & A2/AE521 revise to show metal closure trim at jamb. Wrap sheet

flashing around trim and return to lap cont. vapor retarder. Add Sealant between window system and interior gyp board. See Sheets AD05_A23 & AD05_A12.

A5.48 Sheet AE601

- A. Detail A2/AE601 revise inner gypsum layers to be held back from the metal deck an equal distance to outer gypsum layers.
- B. Detail A3/AE601 increase extents of fire safing perpendicular to deck to extend beyond width of wall. Add galvanized steel angle and gyp backing on both sides of partition as shown on sheet AD05-A10. Revise note "ACOUSTICAL SEALANT BOTH SIDES" to read "FIRE STOP SEALANT BOTH SIDES".
- C. Detail A4/AE601 increase extents of fire safing perpendicular to deck to extend beyond width of wall. Revise note "ACOUSTICAL SEALANT BOTH SIDES" to read "FIRE STOP SEALANT BOTH SIDES". Revise inner gypsum layers to be held back from the metal deck an equal distance to outer gypsum layers. See sheet AD05-A11.
- D. Partition Type 9 revise note to read " 5/8" TYPE 'X' ABUSE RESISTANT GYPSUM BOARD"
- E. Rename Wall Type 12 to Partition Type 12. Revise note to read " 5/8" TYPE 'X' ABUSE RESISTANT GYPSUM BOARD"

A5.49 Sheets AE605, AE606 and AE607

- A. Revise wall designation W3 to CMU.

A5.50 Civil

- A. See attached Building 3 Civil Addendum No. 5 from GBE

A5.51 Structural

- A. See attached Building 3 Structural Addendum No. 5 from ARW

A5.52 Mechanical

- A. See attached Building 3 Mechanical Addendum No. 5 from CEA

A5.53 Electrical

- A. See attached Building 3 Electrical Addendum No. 5 from ECE

Attachments Common to Entire Project:

Pre-Bid Conference Minutes and Attendance Log (4 pages)
Existing Building (Demo) Walk Through Attendance Log (1 page)

Building 2 Attachments:

Section 024116 HAZARDOUS MATERIAL ABATEMENT (2 pages)
AD05_A01
AD05_A02 through AD05_A04 (11 x 17)
AD05_A05 through AD05_A09
AD05_A10 through AD05_A11 (11 x 17)
Sheet AE504 (30 x 42)
Building 2 Civil Addendum No. 5 [1 (8-1/2 x 11) + 2 (30 x 42) = 3 pages]
Building 2 Structural Addendum No. 5 [6 (8-1/2 x 11) + 1 (30 x 42) = 7 pages]
Building 2 Mechanical Addendum No. 5 [9 (8-1/2 x 11) + 2 (30 x 42) = 11 pages]
Building 2 Electrical Addendum No. 5 (1 page)

Building 3 Attachments:

Section 024116 HAZARDOUS MATERIAL ABATEMENT (2 pages)
AD05_A12 through AD05_A24
AD05_A25 through AD05_A26 (11 x 17)
AE509 (30 x 42)
Building 3 Civil Addendum No. 5 [1 (8-1/2 x 11) + 2 (30 x 42) = 3 pages]
Building 3 Structural Addendum No. 5 (7 pages)
Building 3 Mechanical Addendum No. 5 (7 pages)
Building 3 Electrical Addendum No. 5 (1 page)

End of Addendum No. 5



MHTN
ARCHITECTS

Pre-Bid Conference Minutes

Project Name: **WSU Residential Life Phase 2**

DFCM Project No.: 11008810

MHTN Project No.: 2010543

Date: April 27, 2011

Time: 7:30 am

Location: DFCM Offices

Agenda:

The purpose of the Pre-Bid Conference is:

- To brief interested Contractors of the project requirements, site conditions and contract requirements.
- To clarify or explain unique conditions of the project.
- To clarify any questions about the contract documents.

A. Attendance:

All present please print name and firm on attendance sheet.

B. Discussion items:

1. Hazardous Materials abatement

- ***To clarify: the block filler material may remain in place, but depending upon the facility selected for disposal, you may or may not have to separate it from other demolition debris. This is solely up to the bidder to resolve in his management plan. However, all costs associated with the removal of the materials are to be included in the bid.***

2. Submittals

- Schedule: ***is included in the spec and must be followed as indicated. Incomplete submittals will not be accepted and the "time clock" continues to run until a complete submittal is received and accepted.***
- LD's at \$100/day: ***no exceptions, this is to be considered finite.***

3. Deferred Submittals

- Schedule: ***is included in the spec and must be followed as indicated. Incomplete submittals will not be accepted and the "time clock" continues to run until a complete submittal is received and accepted.***

Note that all of these submittals will be sent to the Building Official in one package. No work contemplated by these submittals may begin until approval is received from the Building Official.

- LD's at \$100/day: *no exceptions, this is to be considered finite.*
4. BIM Coordination: *please note all requirements in this section. The Construction Model must be submitted for review prior to beginning any above ceiling work.*
 5. GPS location of site utilities: *please note all requirements in this section.*
 6. "Save the trees"
 - Penalties: *will apply as noted. If one tree within a grouping of trees is damaged, the cost of the full grouping will apply.*
 - *The chain link fencing may not have to be in place prior to beginning interior demolition, depending upon the haul routes selected.*
 - *If the roots are damaged of a tree during excavation, this will trigger the penalty for that tree.*
 - *WSU will water landscaping for Building 3 while Building 2 is under construction; upon start of Building 3, watering becomes the responsibility of the GC. The existing irrigation system may be reviewed now, if desired.*
 7. Parking lot usage: *the east portion of the east lot is the separated by chain link or "Jersey barriers". The demolition of Promontory Tower is to be completed by August 15, 2012, to allow re-opening of the Hurst Center parking lot.*
 8. Bldg 2 roof complete by 11.15.11
 9. Envelope mock-up
 - air barrier integration
 - *A complete, continuous system is contemplated and must be demonstrated in the submittals and on the mock-up.*
 - *All personnel, and the company, involved in the air barrier application must be ABAA certified.*
 - *If individuals or the company involved in the application of the system on the mock-up fail to perform satisfactorily, they must be removed and any work done to that point must be removed and reapplied by new personnel, prior to beginning work on the building.*
 - *Any re-testing costs will be borne by the GC.*
 - same personnel: *doing the mock-up must be involved in the work on the building.*
 - schedule: *the mock-up must be completed and accepted by WSU prior to beginning any of the included work on the building. Schedule this effort accordingly.*

10. Suite mock-up

- same personnel: *doing the mock-up must be involved in the work on the building.*
- schedule: *the mock-up must be completed and accepted by WSU prior to beginning any of the included work on the building. Schedule this effort accordingly.*
- public access: *must be allowed for review of the suite mock-up by prospective students. This access will be determined by the GC and regulated as to number and time of trips per week.*

11. Subcontractor selection: *DFCM encourages inclusion of subcontractors who are appropriate for the selected task, capable of performing to the quality standards expected, and within the time frames required.*

12. Q & A

- a. *A structural engineer, licensed in Utah, must provide an evaluation of the Promontory Tower demolition plan proposed. This will be treated as a deferred submittal.*
- b. *Scheduling review: PCM will be assisting DFCM & WSU in this effort; please take the scheduling of this project very seriously.*
- c. *Please address the limit of the Phase 1 GC work scope in your management plan, as there will be a two month overlap in the phases.*
- d. *The Mechanical and Electrical Cost Breakdown sheets may be delivered a day after the bids are due.*
- e. *See the specification for Temporary Utility costs to be borne by the bidder.*

End of Pre-Bid Conference



MHTN
ARCHITECTS

Attendance Log

Project Name: WSU Residential Life Phase 2

DFCM Project No.: 11008810

MHTN Project No.: 2010543

Date: April 27, 2011

Meeting Reference: Pre-Bid Conference

Name Company

Name	Company	Phone:	e-mail:
Mick Gaviglio	MHTN	801.595.6700	mick.gaviglio@mhtn.com
Matthias	DFCM	801.538.3018	mmueller@utah.gov
Slade Ophertkens	RTO	801.430.1303	Slades@randoco.com
MATT BELL	RTO	801.388.9472	MATTB@RANDO.CO.COM
Cris Hogan	Hogan	801.951.7000	chogan@hoganconstruction.com bids@hoganconstruction.com
DOUG ARCHIBALD	HOGAN	801-951-7000	bids@hoganconstruction.com
PAUL LAWRENCE	JCC	801-949-5979	pbl@jacobsenconstruction.com
JOHN FORTUNA	JACOBSEN	801-983-5132	JOHNF@JACOBSENCONSTRUCTION.COM
Bruce Daley	WSU	801-626-6675	bruce.daley@weber.edu
DAN PENNOCK	OCC	486.0144	dan.pennock@okland.com
JAMES WHEATLEY	OCC	486.0144	james.wheatley@okland.com
Bryan Utley	OCC	486-0144	Bryan.Utley@okland.com
		Phone:	e-mail:
		Phone:	e-mail:
		Phone:	e-mail:

4-29-11

DEMO WALK THROUGH

WASATCH HALL 9:00

NAME	COMPANY
DALE THOMAS	MHTN
Chad Ovard	Okland
Pull Jensen	Jacobsen
Shawn Bishop	Impact Demo
Rick Zampetti	RFO
MATT BELL	RFO
Glade Ophelkens	RFO
Jason Eupay	RFO
Bryce Christensen	Grant Mackay
Josh Mackay	Grant Mackay
Dennis Forbush	Hogan & Associates
Jim Hyde	Hogan & Asso.
Scott Bryner	Hogan & Asso.
JOSH MACKAY	GRANT MACKAY CO

HAZARDOUS MATERIAL ABATEMENT

The work of this Section is provided by the Owner to incorporate into the General Construction Contract and is provided for information to Bidders

Scope of Work: Wasatch Hall Building, Ogden, Utah,

1. Interior Wall Removal During Demolition

- A. Contractor shall remove all walls containing "block filler" from the building with the demolition debris. The block filler contains approximately 1% chrysotile asbestos; this material is bound up in the paint which was applied to the block throughout the inside of the building. There is approximately 10,000 square feet of currently non-friable block filler to be removed. Contractor shall wet the material prior to and as it is removed and shall place it in poly-lined dumpsters prior to transport. Block filler is a Category II non-friable material according to Utah DAQ (Utah Air Quality Rules, R-307-801 Asbestos); this material is being treated as a Category I non-friable under Alternative Work Practice approval; OSHA considers this a Class 2 operation (29 CFR 1926.1101).
- B. Contractor shall exercise due care and caution to avoid unnecessary dust during the demolition. Industrial hygiene personnel will be collecting daily air samples in the area of the demolition (upwind and downwind) and will stop or slow the work as necessary to ensure dust remains at an acceptable level. Air samples will be analyzed to determine if more extensive dust control procedures will be necessary (such as wetting the block with encapsulant prior to demolition). Small-scale interior demolition of this material has shown no significant elevation of airborne asbestos levels; elevated levels during demolition is not expected.
- C. Contractor shall ensure equipment operators are trained as per OSHA requirements prior to working on the site. This training shall last at least 5 hours.
- D. Contractor shall perform asbestos air sampling (TWA and EL) for his workers to guarantee adequate respiratory protection is utilized during the work. Sampling shall be performed daily during the project.
- E. Contractor shall ensure each load of debris from the site is in leak-tight containers. Contractor shall line his dumpsters with heavy duty poly sheeting and enclose the load in a leak-tight manner prior to transport.
- F. Contractor shall ensure this material is not recycled in any way and that it is deposited in a landfill approved for non-friable asbestos waste. Contractor shall ensure this waste is approved by the intended landfill prior to transport. Contractor shall include all applicable landfill fees associated with this waste in his bid.
- G. It is the responsibility of the contractor to determine if the receiving facility requires separation of materials.

2. Underground Storage Tank Removal

- A. Contractor shall remove and dispose of the underground storage tanks located approximately 20 feet north of the east entry to Wasatch Hall. These are old heating oil tanks and shall be removed and disposed of in their entirety. Owner will remove any remaining fluid prior to Contractor's work.

3. General

- A. Contractor shall ensure that a 40-hour asbestos-trained project supervisor is in attendance during all phases of the work.
- B. The most stringent regulations in effect for the work site shall apply. Contractor shall determine the extent of city, county, state, federal and all other applicable regulations and perform the work in compliance with these regulations.
- C. Contractor shall provide an English-speaking interpreter on-site any time Contractor personnel are non-English-speaking.
- D. Damaged or "disturbed" block filler material shall be contained and removed to the disposal site as soon as practicable. Contractor shall exercise due care and caution to make the site secure from unauthorized entry. All asbestos-containing waste shall be transported in leak-tight containers.
- E. All dimensions, quantities and areas provided in this scope of work are approximations to assist Contractor in determining the amount of ACM designated for removal. Contractor is entirely responsible for accurately determining the amount of ACM included in the scope of work.

END OF SECTION



WSU NEW RESIDENTIAL LIFE – BUILDING 2

ADDENDUM - 05

.....

ATTENTION

ACTION

Installation and Gas Meter Location

HANDOUT INFORMATION

Addendum

- 1. None.

HANDOUT INFORMATION

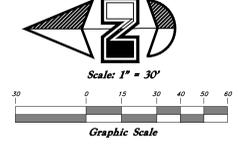
Addendum

- 1. CD-002: Remove and arrange existing spot elevations for drawings clarity. See attached drawing ADD05-C1
- 2. CU-301: Relocated Gas Meter from south side of building to the north side of the building. See attached drawing ADD05-C2

ATTACHMENT

Addendum

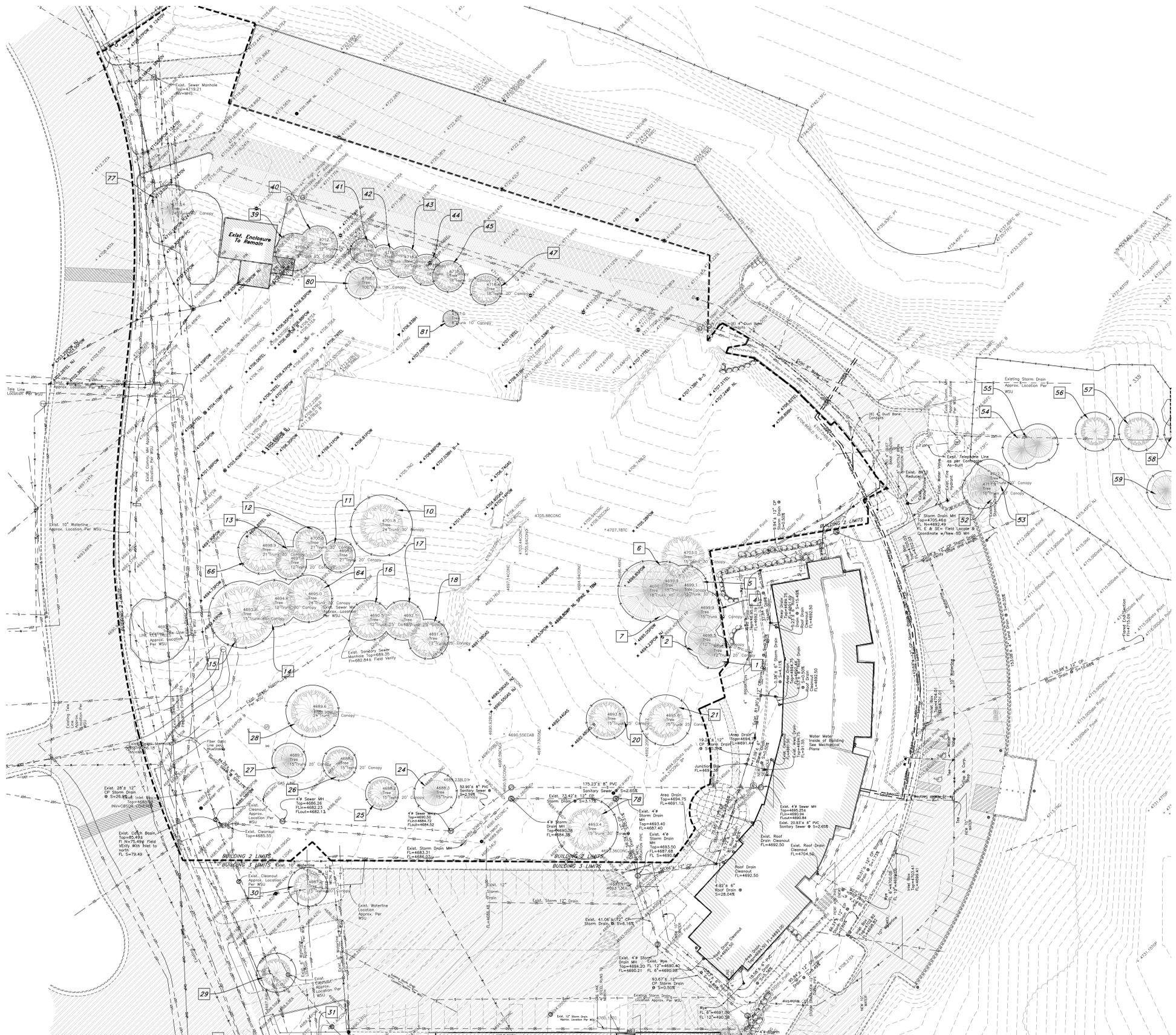
Sheet #: ADD05-C1, ADD05-C2



Legend
(Note: All items may not appear on drawing)

San Sewer Manhole	⊙
Water Manhole	⊙
Storm Drain Manhole	⊙
Electrical Manhole	⊙
Catch Basins	⊙
Exist. Fire Hydrant	⊙
Fire Hydrant	⊙
Exist. Water Valve	⊙
Water Valve	⊙
Sanitary Sewer	—
Culinary Water	—
Irrigation Line	—
Storm Drain	—
Telephone Line	—
Secondary Waterline	—
Fire Line	—
Land Drain	—
Power pole	⊙
Power pole w/guy	⊙
Light Pole	⊙
Fence	—
Flowline of ditch	—
Overhead Power line	—
Corrugated Metal Pipe	—
Concrete Pipe	—
Reinforced Concrete Pipe	—
Ductile Iron	—
Polyvinyl Chloride	—
Top of Asphalt	—
Edge of Asphalt	—
Centerline	—
Flowline	—
Finish Floor	—
Top of Curb	—
Top of Wall	—
Top of Concrete	—
Natural Ground	—
Finish Grade	—
Fire Department Connection	—
Exist. Contour	—
Finish Grade	—
Exist. Grade	—
Ridge Line	—
Direction of Flow	—
Existing Asphalt	—
New Asphalt	—
Heavy Duty Asphalt	—
Concrete	—
Open Face	—
Curb & Gutter	—
Demo Tree	—

Project Benchmark:
Spike in Landscaping West of
West Entrance to Washsch Hall
Northing= 311608.7400
Easting= 1877807.1900
Elevation= 4698.795



- General Demolition Notes:**
1. Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
 2. Refer to site improvement plans for more details on limits of removal.
 3. Retain and protect existing buildings, including all footings and foundations.
 4. All utilities, sewer, water, gas, telephone and electrical services to be disconnected and capped according to city, county and utility company requirements, unless otherwise shown.
 5. Clear and grub trees, shrubs, and vegetation within construction limits, disposal to be off-site except where noted otherwise.
 6. DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
 7. If ASBESTOS is found, the Asbestos must be removed in a legal manner by a contractor licensed to handle asbestos materials (Not a part of contract.)
 8. Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
 9. The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies, Weber State University Record Drawings, and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
 10. Stockpiles shall be graded to maintain slopes not greater than 3 horizontal to 1 vertical. Provide erosion control as needed to prevent sediment transport to adjacent drainage ways.
 11. Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such material. Burning onsite is not permitted.
 12. Install traffic warning devices as needed in accordance with local standards.
 13. Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.

TREE DEMOLITION NOTE:
Coordinate with Owner and Specifications for Trees to be retained or removed. Trees with GREEN Cautions are to remain. Trees with RED Cautions are to be removed. These trees will also have 6' tall chain link fencing placed around them at the drip line (location must be approved by owner). The fencing will not be removed without written approval of from the architect and the owner. Any trees removed or damaged will be paid for by the contractor at the schedule of values shown in specifications.

CAUTION NOTICE TO CONTRACTOR
The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records from WSU and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. The contractor must call the utility owner at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.

UTILITY LOCATION REQUIREMENTS
The contractor shall at his cost, provide GPS Coordinates for all utilities found during demolition, marked or not marked, all utility connections, and all new utility lines. Coordinates will contain a Northing, Easting, Elevation, and Description. Coordinates will be based on the same coordinate system shown on these plans. Coordinates will be recorded at the following minimum locations, storm drain manholes top and flowline, catch basins top and flowline, inlet boxes top and flowline, clearouts: water line angle points, valves, tees, elbows, and connections; chilled water supply and return lines angle points, valves, tees, elbows, and connections; gas line angle points, tees, elbows, valves, and connection points; sanitary sewer manholes top and flowline; clearouts, tees, wyes, and connection points; electrical conduit runs, angle points, elbows, and connections; telephone and data, conduit runs, angle points, elbows, and connections; irrigation angle points, tees, elbows, valves, and connection points. All of these coordinates are to be inserted into a record drawing set of plans and provided to the owner and to the civil engineer. Additionally, all of these data points are to be provided to the owner and civil engineer on a weekly basis. Failure to record these data points will result in the contractor excavating, locating, providing the coordinates, and backfilling at no additional expense to the owner.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS
The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

ALL CONSTRUCTION TO CONFORM TO WSU STANDARDS AND SPECIFICATIONS

WSU PROJECT NO. 201043.00
DRAWN BY: BB CHECKED BY: DRW

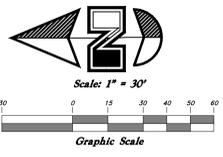
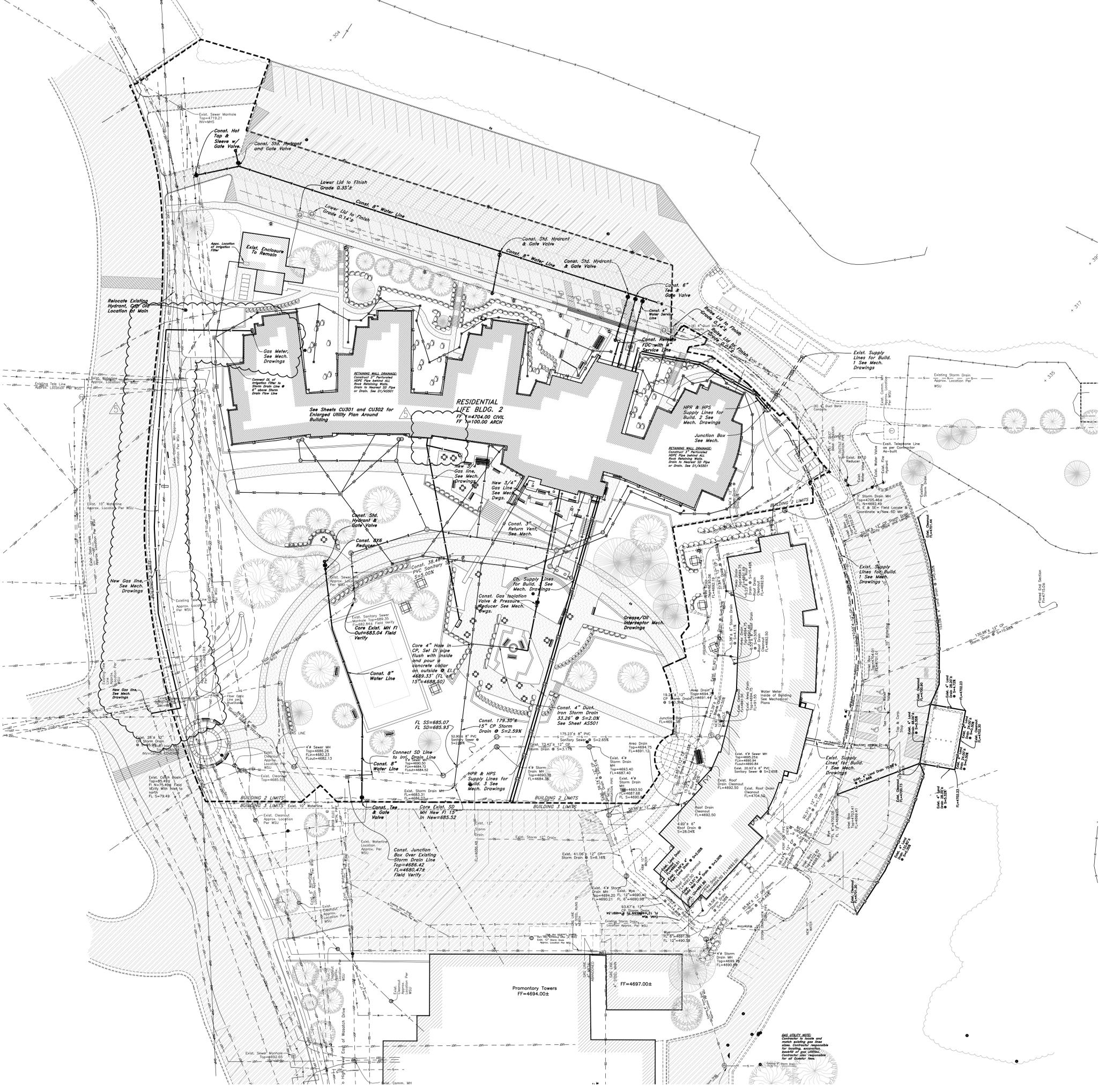
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NO.	DATE DESCRIPTION
1	04/20/11 CONSTRUCTION DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE	
NO.	DATE DESCRIPTION

SHEET NAME
POST DEMOLITION PLAN - BLDG. 2

CONST. DOCUMENTS
MAY 05, 2011

SHEET NUMBER
CD-002
ADD05-C1



Legend
 (Note: All items may not appear on drawing)

San. Sewer Manhole	Symbol
Water Manhole	Symbol
Storm Drain Manhole	Symbol
Electrical Manhole	Symbol
Catch Basins	Symbol
Exist. Fire Hydrant	Symbol
Exist. Water Valve	Symbol
Water Valve	Symbol
Sanitary Sewer	Symbol
Culinary Water	Symbol
Gas Line	Symbol
Irrigation Line	Symbol
Telephone Line	Symbol
Secondary Waterline	Symbol
Power Line	Symbol
Fire Line	Symbol
Land Drain	Symbol
Power pole	Symbol
Power pole w/guy	Symbol
Light Pole	Symbol
Fence	Symbol
Flowline of ditch	Symbol
Overhead Power line	Symbol
Corrugated Metal Pipe	Symbol
Concrete Pipe	Symbol
Reinforced Concrete Pipe	Symbol
Ductile Iron Pipe	Symbol
Polyvinyl Chloride	Symbol
Top of Asphalt	Symbol
Edge of Asphalt	Symbol
Centerline	Symbol
Finish Floor	Symbol
Top of Curb	Symbol
Top of Wall	Symbol
Top of Concrete	Symbol
Natural Ground	Symbol
Finish Grade	Symbol
Fire Department Connection	Symbol
Finish Contour	Symbol
Exist. Contour	Symbol
Finish Grade	95.5374
Ridge Line	Symbol
Direction of Flow	Symbol
Existing Asphalt	Symbol
New Asphalt	Symbol
Heavy Duty Asphalt	Symbol
Concrete	Symbol
Open Face Curb & Gutter	Symbol
Demo Tree	Symbol

- General Utility Notes:**
1. Coordinate all utility connections to building with plumbing plans and building contractor.
 2. Verify depth and location of all existing utilities prior to constructing any new utility lines. Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
 3. All catch basin and inlet box grates are to be bicycle proof.
 4. Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
 5. Gas lines, telephone lines, and cable TV lines are not a part of these plans unless otherwise noted.
 6. Water meters are to be installed inside the building per WSU standards and specifications. It will be the contractor's responsibility to install all items required. Contractor is responsible to construct any vertical adjustments necessary to clear sewer, storm drain or other utilities as necessary including valve boxes and hydrant spools to proper grade.
 7. Field verify all existing and/or proposed Roof Drain/roof Drain down spout connections to Storm Water System with Civil, Plumbing & Architectural plans. Notify Engineer of any discrepancies.
 8. Coordinate with Landscape plan for New Maxilines, Controllers, and their locations.

Utility Piping Materials:
 All piping to be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

- Culinary Service Laterals**
1. 3/4" to 2" Pipe - Copper Tube ASTM B, Type K, Soft Temper
 2. 2-1/2" to 3" Pipe - HDPE PEX400 Poly Pipe, DR9
 3. Over 4" Pipe - AWWA C-900 Class 150 pipe

- Irrigation Water Lines**
1. AWWA C-900 Class 200 pipe.

- Water Main Lines and Fire Lines**
1. Class 350 ductile iron pipe.

- Sanitary Sewer Lines**
1. All exterior sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D 3034, Type PSM, SDR 35.
 2. All sewer piping inside tunnel to be AWWA C-900 Class 150 pipe.

- Storm Drain Lines**
1. 10" Pipes or Smaller - Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35
 2. 12" to 21" pipes - Concrete Pipe, ASTM C14, Class III up to 13' of cover. For greater than 13' feet of cover, use reinforced concrete pipe and classes listed below.
 3. 24" pipes or larger - Reinforced Concrete Pipe, ASTM C76, Class III up to 13' of cover, Class IV for 13' to 21' of cover, Class V for 21' to 32' of cover, and Special Design for cover greater than 32' feet.

CAUTION NOTICE TO CONTRACTOR
 The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records from WSU and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the utility owner at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.

UTILITY LOCATION REQUIREMENTS
 The contractor shall at his cost, provide GPS Coordinates for all utilities found during demolition, marked or not marked, all utility relocations, all utility connections, and all new utility lines. Coordinates will contain a Northing, Easting, Elevation, and Description. Coordinates will be recorded at the following minimum locations: storm drain manholes top and flowline, catch basins top and flowline, inlet boxes top and flowline, cleanouts: water line angle points, valves, tees, elbows, and connections: chilled water supply and return lines angle points, valves, tees, elbows, and connections: gas line angle points, tees, elbows, valves, and connection points: sanitary sewer manholes top and flowline, cleanouts, tees, wyes, and connection points: electrical conduit runs, angle points, elbows, and connections: telephone and data, conduit runs, angle points, elbows, and connections: irrigation angle points, tees, elbows, valves, and connection points. All of these coordinates are to be inserted into a record drawing set of plans and provided to the owner and to the civil engineer. Additionally, all of these data points are to be provided to the owner and civil engineer on a weekly basis. Failure to record these data points will result in the contractor excavating, locating, providing the coordinates, and backfilling at no additional expense to the owner.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS
 The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

ALL CONSTRUCTION TO CONFORM TO WSU STANDARDS AND SPECIFICATIONS

RETAINING WALL DRAINAGE:
 Construct 3" Perforated HDPE Pipe behind ALL Rock Retaining Walls. Drain to Nearest SD Pipe or Drain. See D1/AS501

TREE DEMOLITION NOTE:
 Coordinate with Owner and Specifications for Trees to be retained or removed. Trees with Green Caution Tape are to remain. Trees with RED Caution Tape are to be removed. These trees will also have 6' tall chain link fencing placed around them at the drip line (location must be approved by owner). The fencing will not be removed without written approval of from the architect and the owner. Any trees removed or damaged will be paid for by the contractor at the schedule of values shown in specifications.

MHTN PROJECT NO: 201043.00
 DRAWN BY: BB CHECKED BY: DRW

REVISIONS

NO.	DATE	DESCRIPTION
1	04/14/2011	CONSTRUCTION DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE

NO.	DATE	DESCRIPTION
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SHEET NAME
UTILITY PLAN
BLDG. 2

CONST. DOCUMENTS
 MAY 05, 2011

SHEET NUMBER
CU-301
ADD05-C2



ADDENDUM #5

Project: WSU Res. Life Phase 2 Building 2

Project No.: 10613

Location: Ogden, Utah

Date: 5 May 2011

Addendum by: Jeremy Achter, S.E.

Sheet SF104A

-A detail cut was revised. Please see the attached sheet AD05_S01.

Sheet SF105

-Sheet SF105 has been revised. Please see the new sheet SF105.

Sheet SF503

-Detail C5/SF503 has been revised. Please see the attached sheet AD05_S02.

Sheet SF504

-Detail C3/SF504 has been revised. Please see the attached sheet AD05_S03.

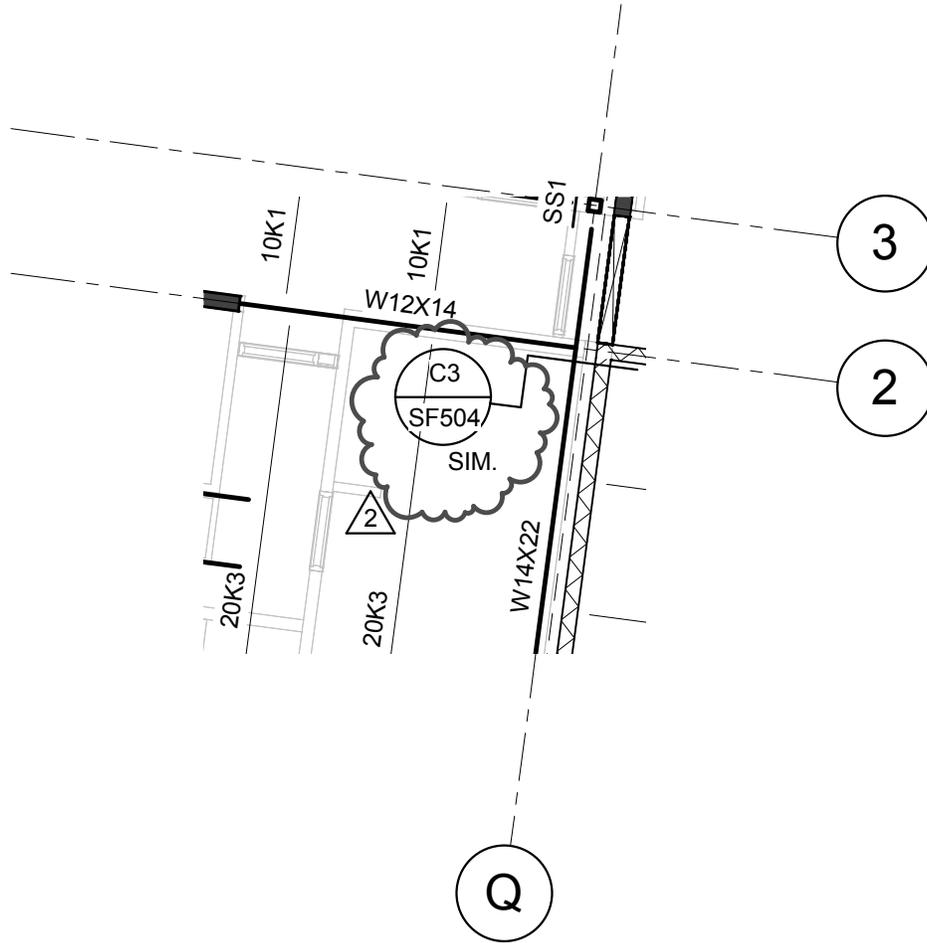
-Detail A2/SF504 has been revised. Please see the attached sheet AD05_S04.

Sheet SF505

-Detail C4/SF505 is a new detail. Please see the attached sheet AD05_S05.

Filing:(x) project file () other

WSU Res. Life Phase 2 Bldg 2_Struct ADD05_050511



ROOF FRAMING PLAN - AREA A

SCALE : NONE

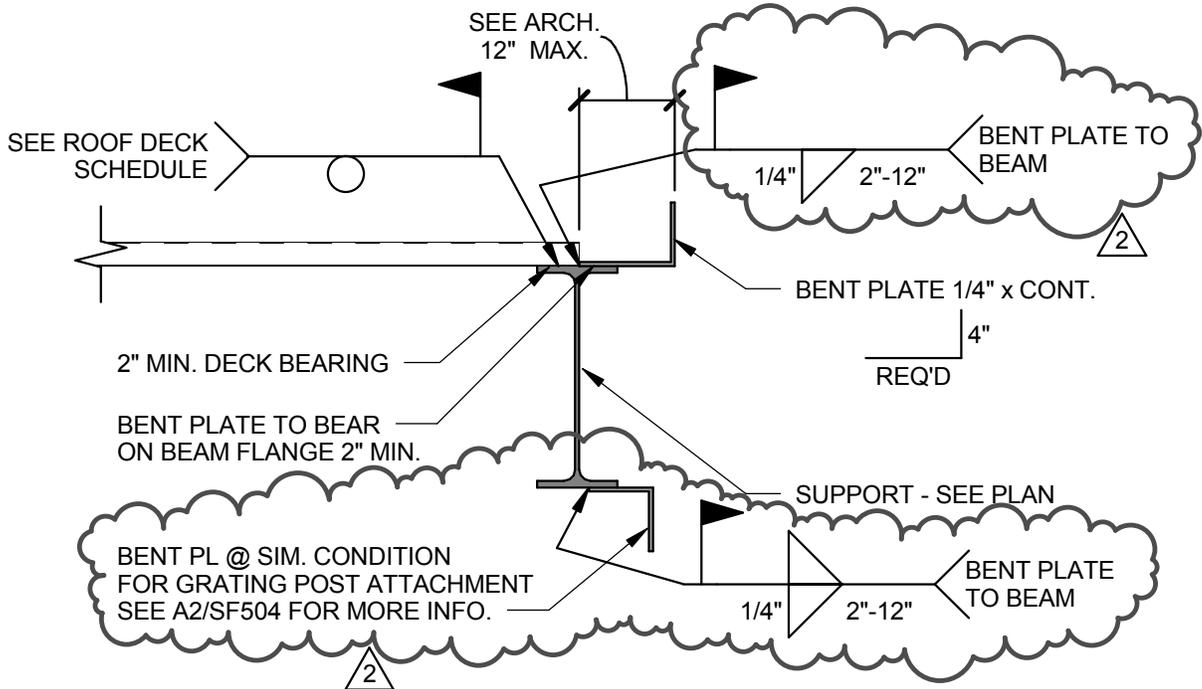
A
SF104A



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 PROJECT NO. 2010543
 DATE: 05/05/2011

SHEET NUMBER
AD05_S01
 SHEET REFERENCE
SF104A



DETAIL

SCALE : NONE

C5
SF503



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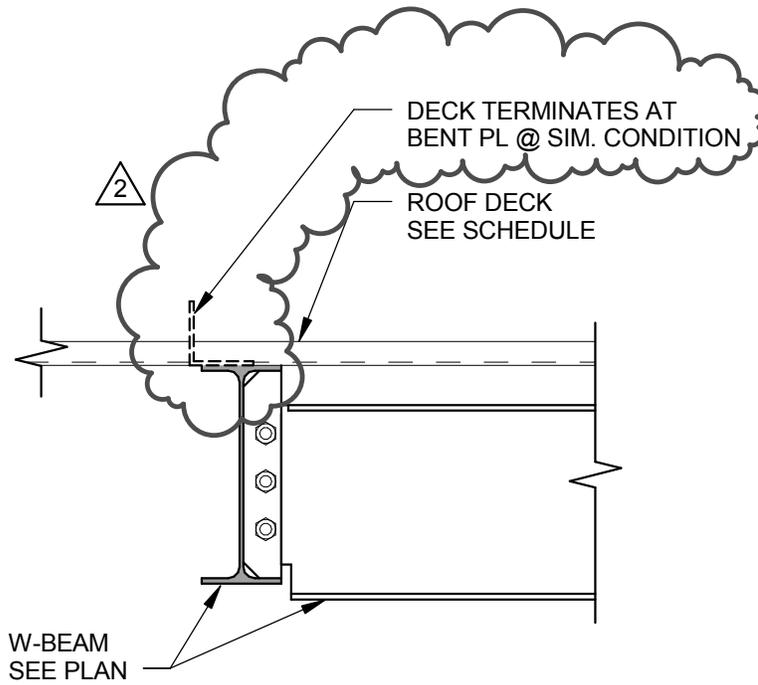
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SHEET NUMBER
AD05_S02
SHEET REFERENCE
SF503



DETAIL

SCALE : NONE

C3
SF504



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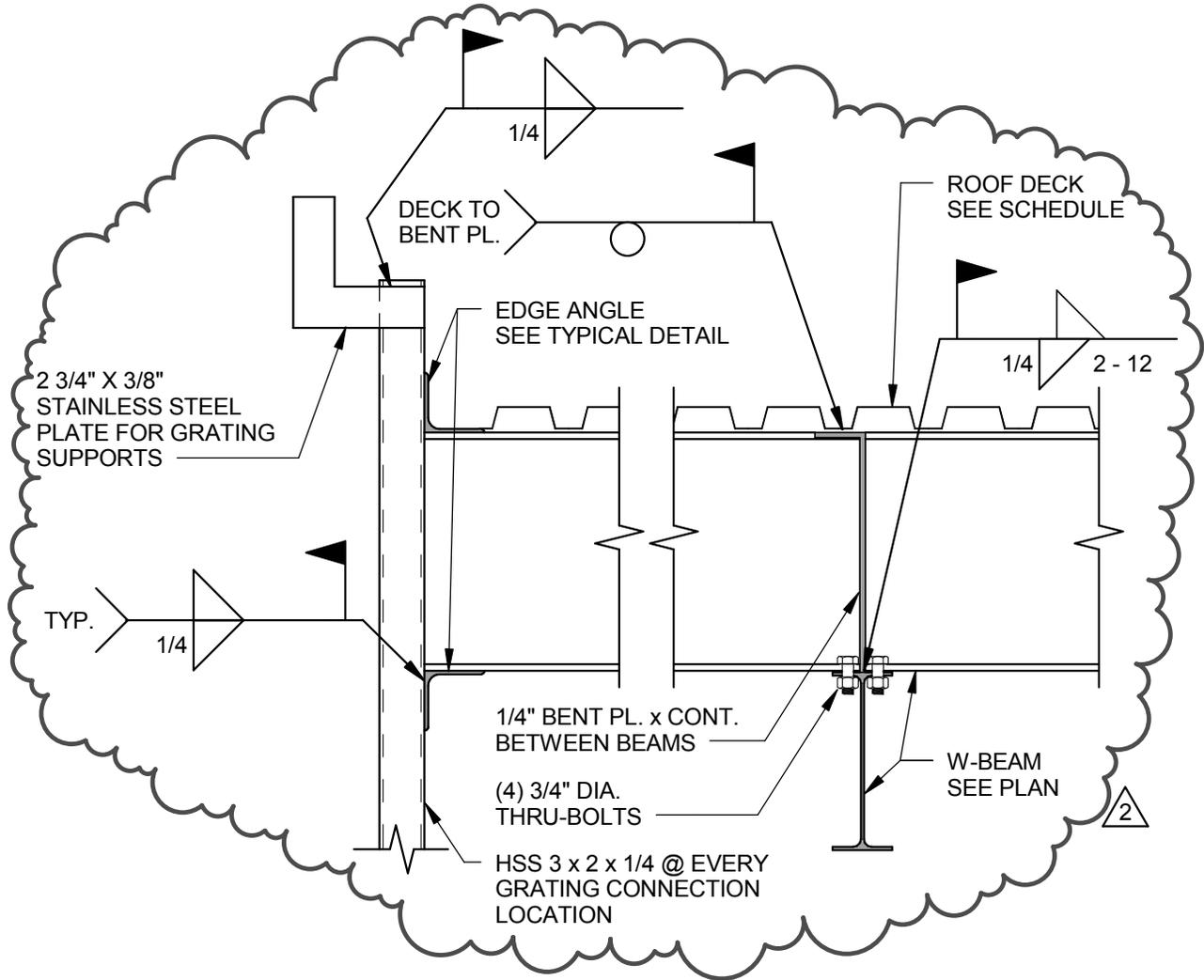
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DATE: 05/05/2011

SHEET NUMBER
AD05_S03

SHEET REFERENCE
SF504



DETAIL

SCALE : NONE

A2
SF504



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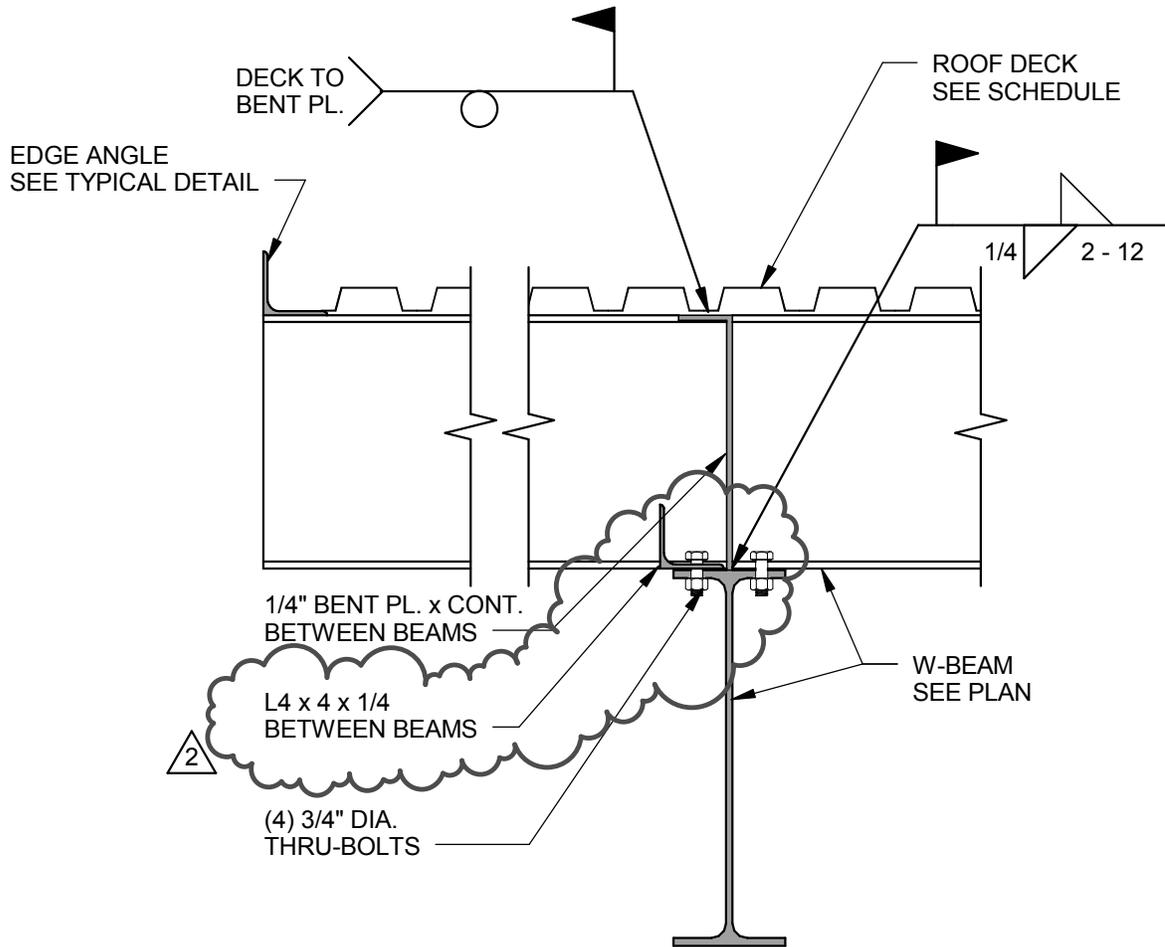
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SHEET NUMBER
AD05_S04
SHEET REFERENCE
SF504



DETAIL

SCALE : NONE

C4
SF505



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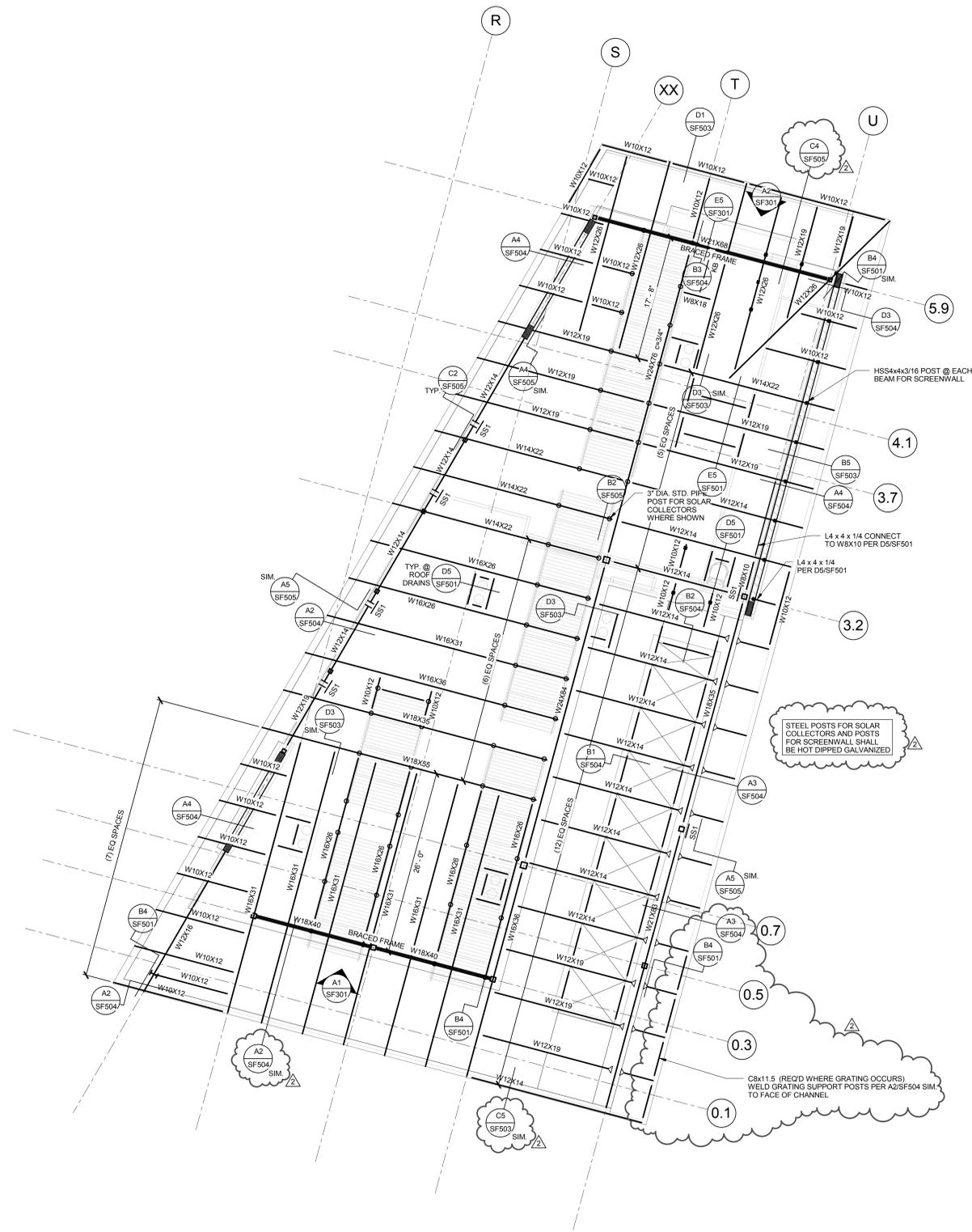
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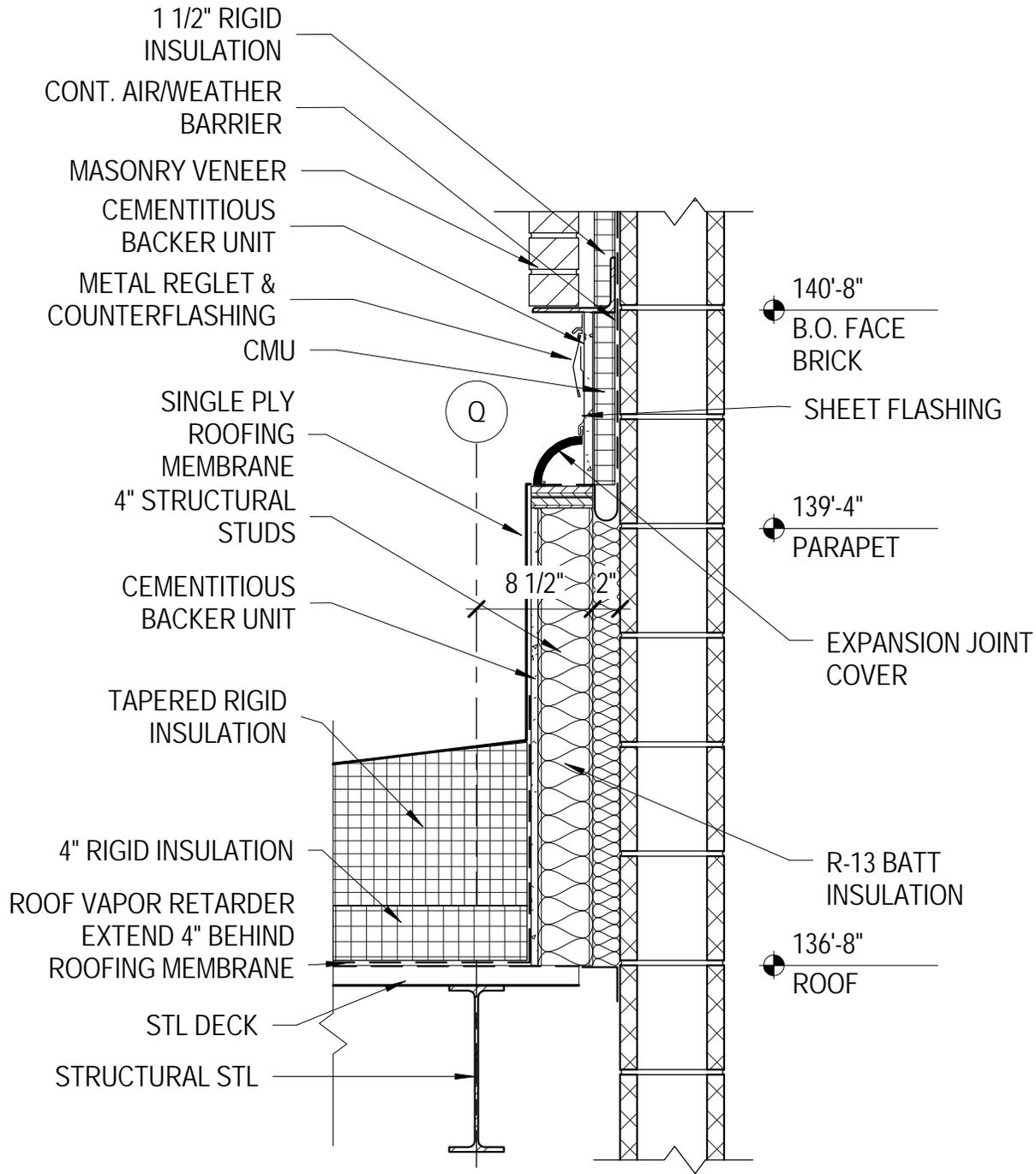
PROJECT NO. 2010543

DATE: 05/05/2011

SHEET NUMBER
AD05_S05
SHEET REFERENCE
SF505

**WEBER STATE UNIVERSITY
RESIDENTIAL LIFE PHASE II - BLDG 2**
DFCM PROJECT NUMBER: 10176810
WEBER STATE UNIVERSITY
OGDEN, UTAH 84408





SECTION

C3

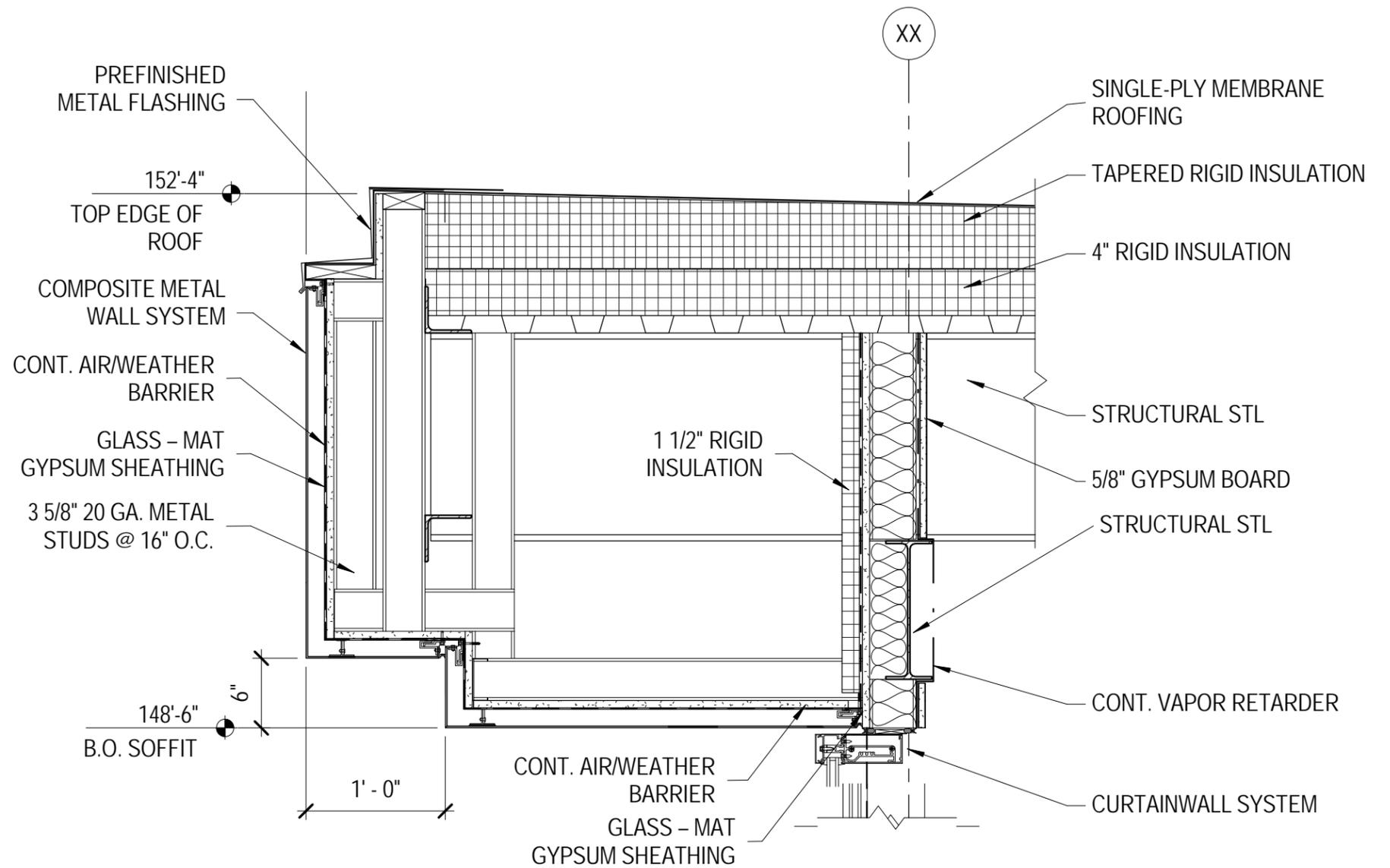
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SHEET NUMBER
AD05-A01
 SHEET REFERENCE
 AE501

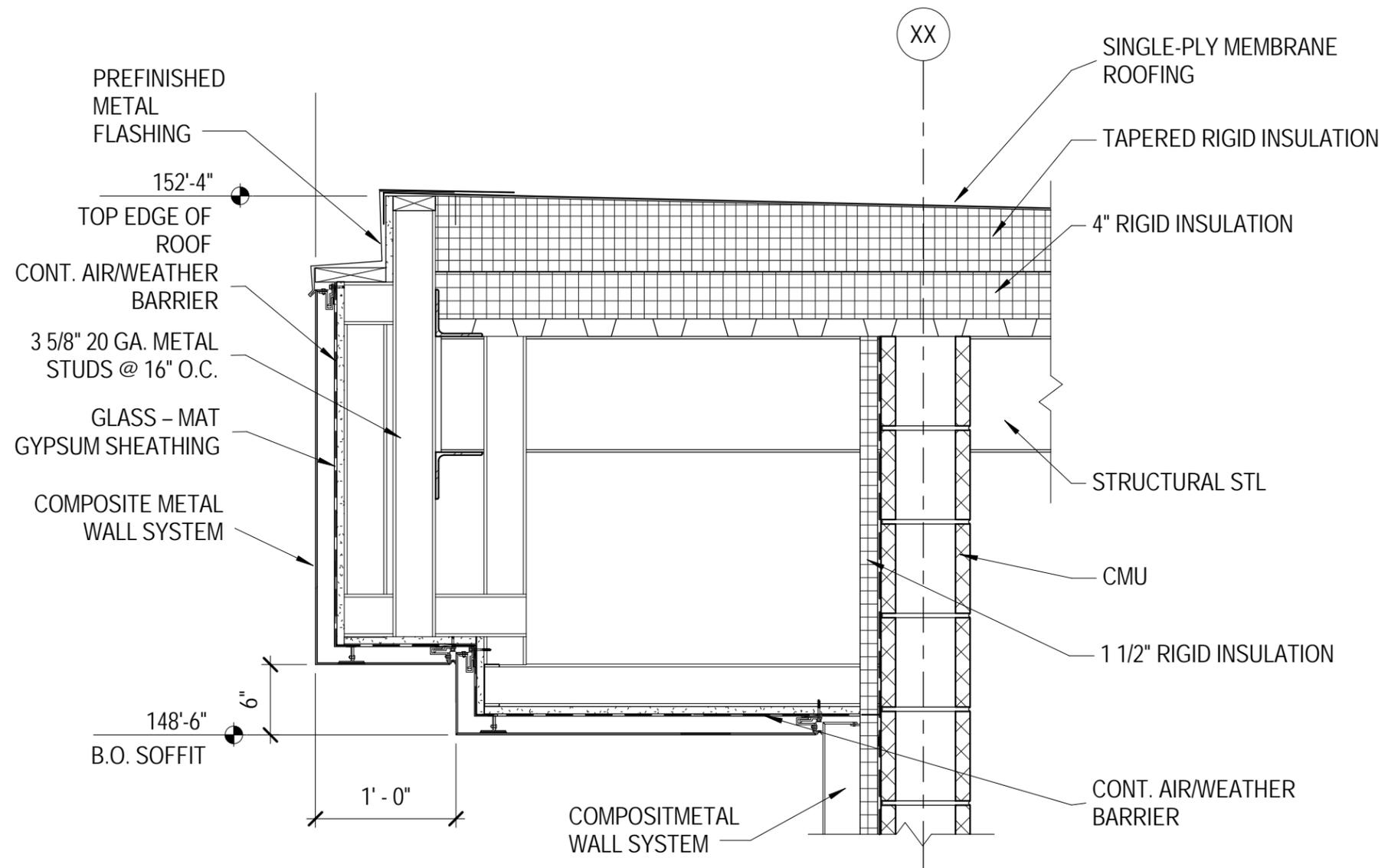


D1 SECTION
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 DATE: 05/05/11

SHEET NUMBER
AD05-A02
 SHEET REFERENCE
 AE505

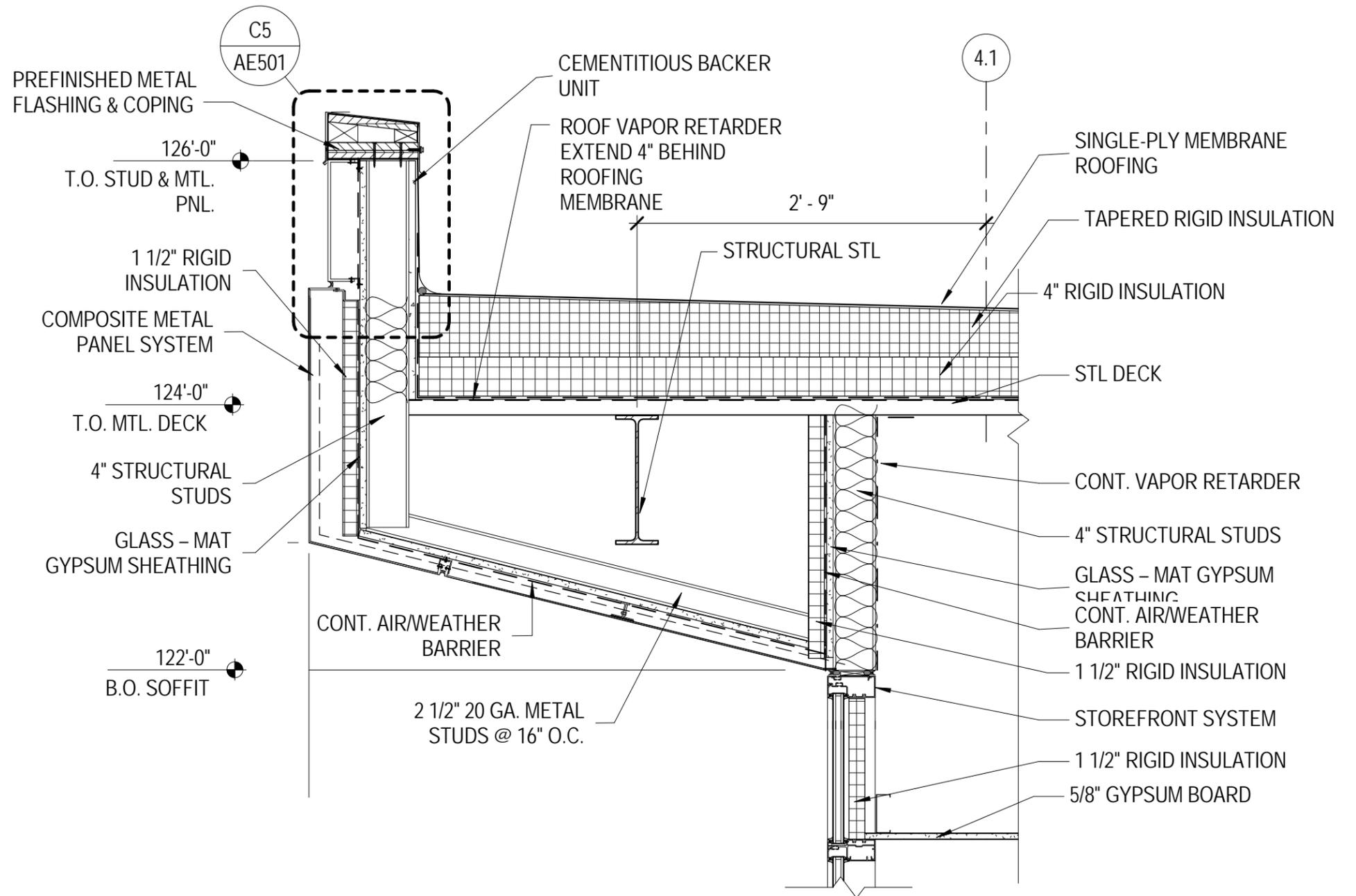


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PROJECT NO. 2010543
DATE: 05/05/11

SHEET NUMBER
AD05-A03
SHEET REFERENCE
AE505



A1

SECTION

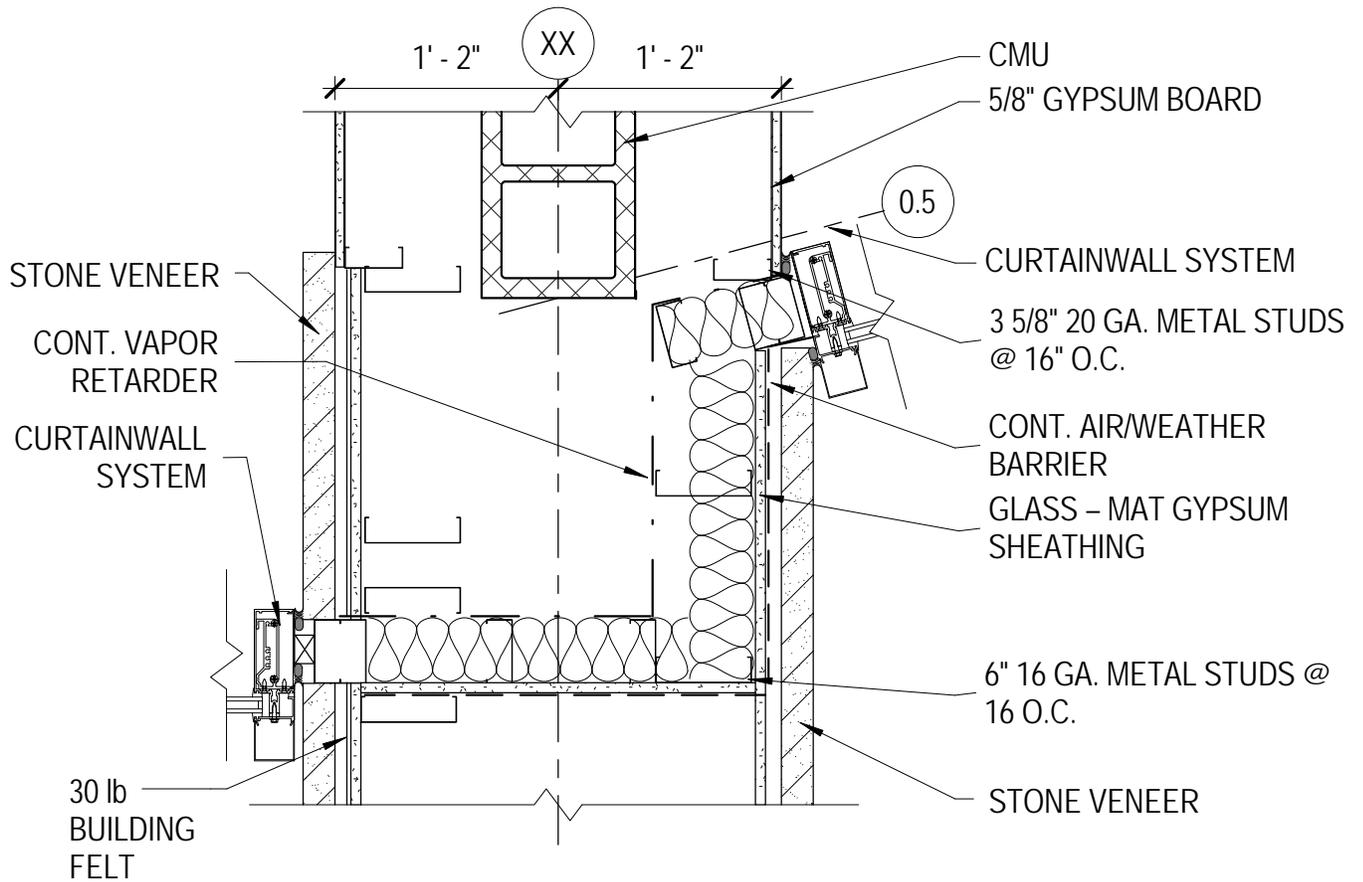
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SHEET NUMBER
AD05-A04
 SHEET REFERENCE
 AE506



D1

DETAIL

SCALE: 1" = 1'-0"



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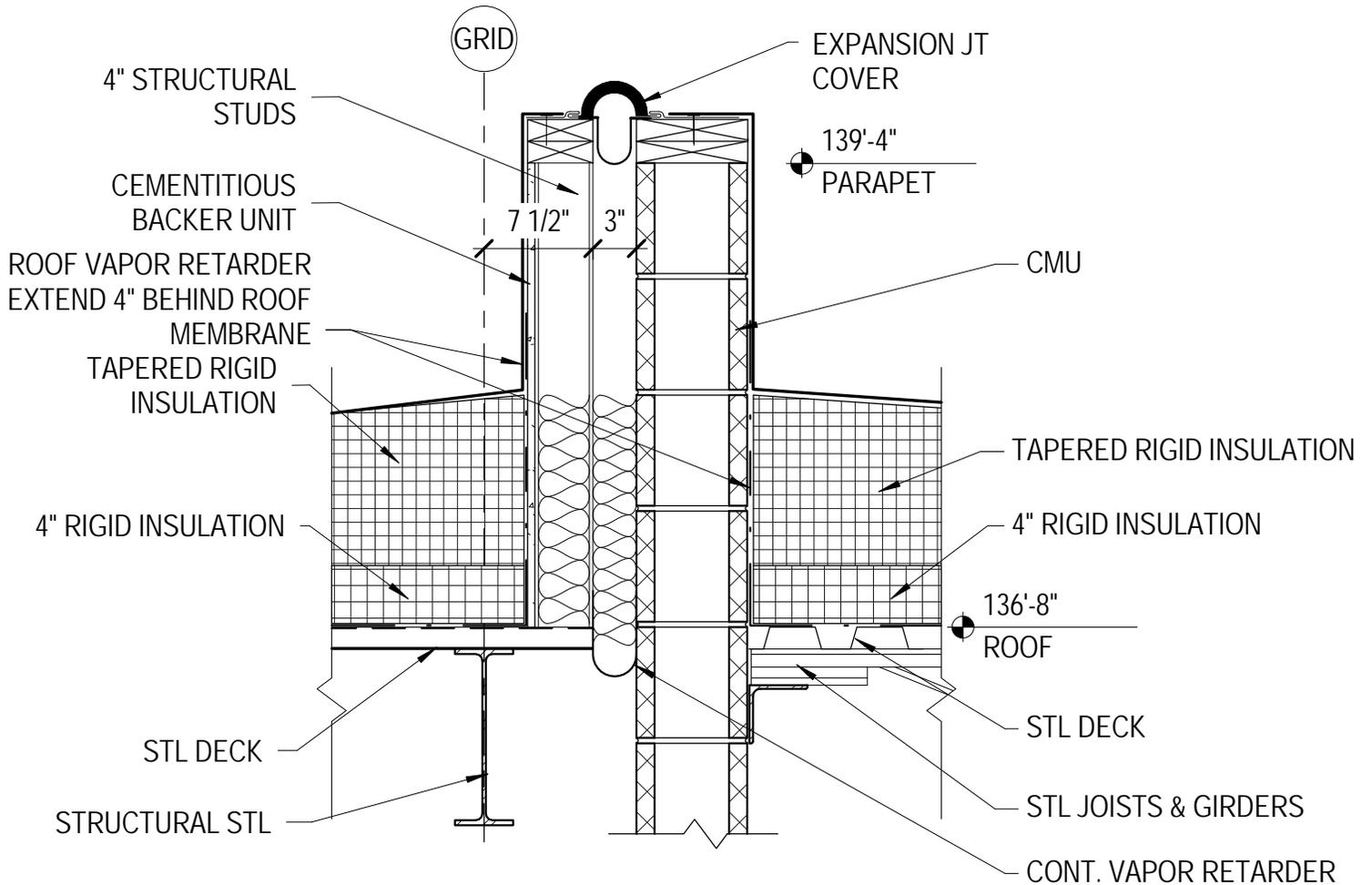
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PROJECT NO. 2010543

DATE: 05/05/11

SHEET NUMBER
AD05-A05

SHEET REFERENCE
AE508



SECTION

B2

SCALE: 1" = 1'-0"



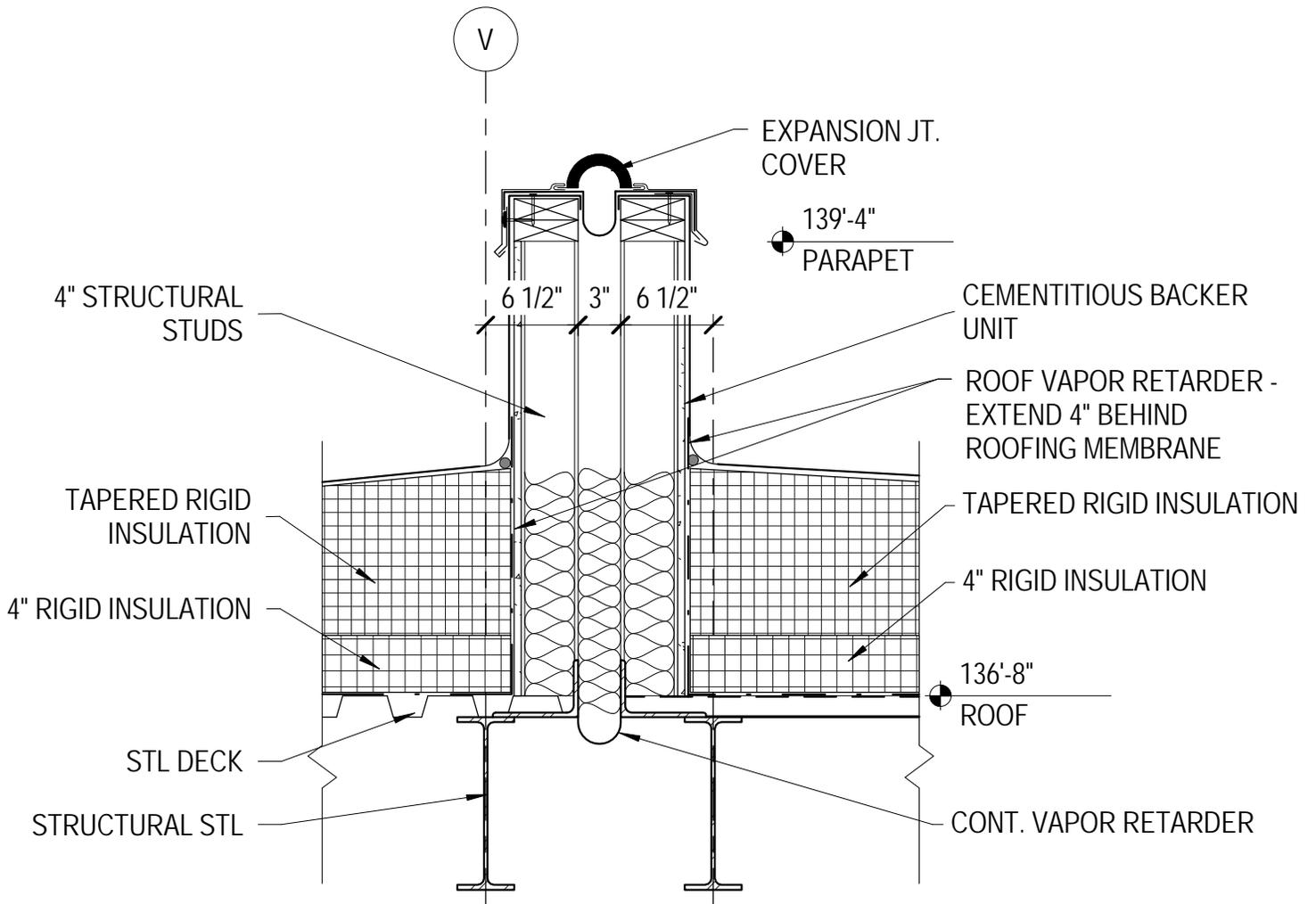
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PROJECT NO. 2010543

DATE: 05/05/11

SHEET NUMBER
AD05-A06
 SHEET REFERENCE
 AE510



SECTION

B4

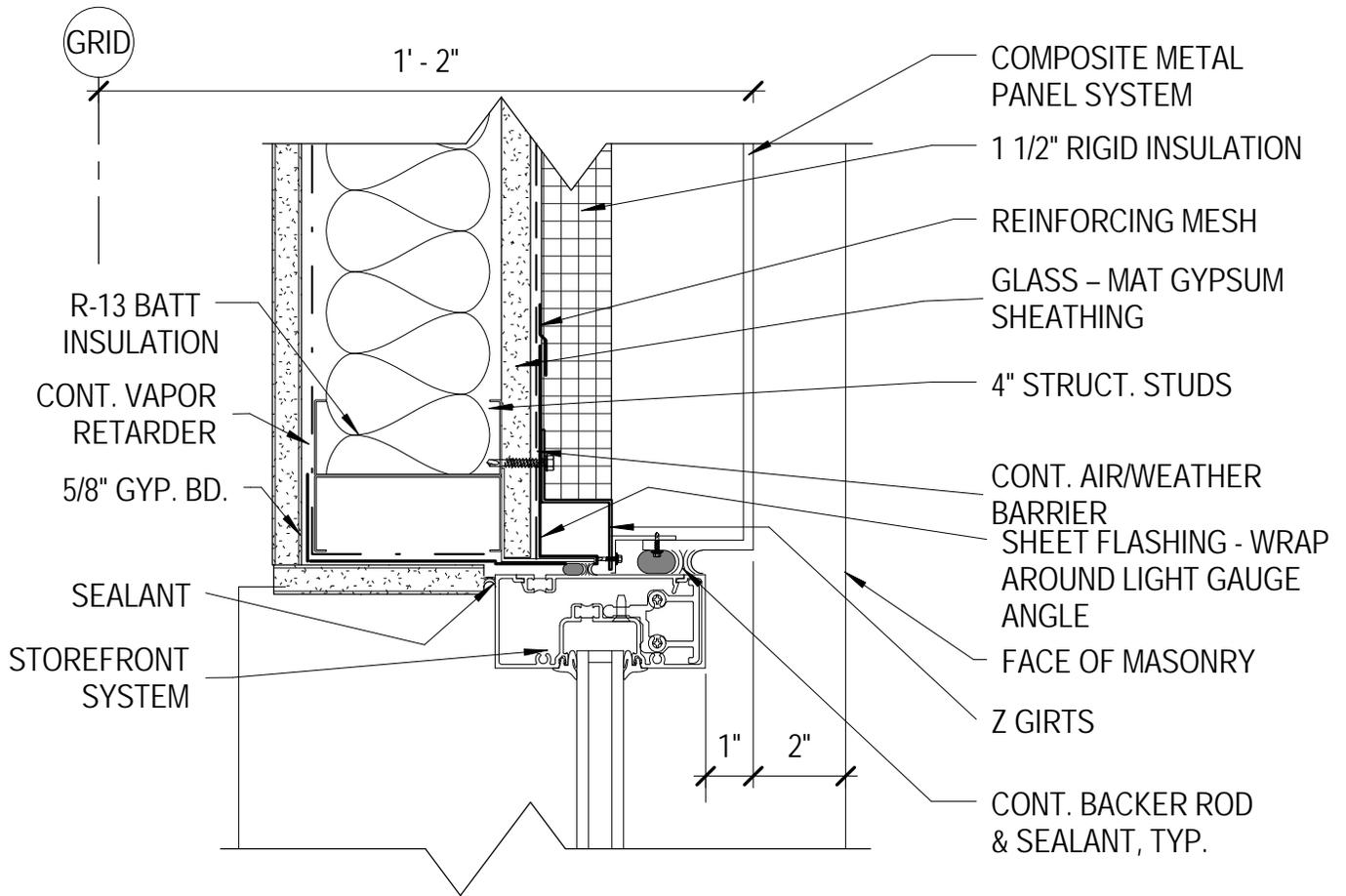
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 PROJECT NO. 2010543
 DATE: 05/05/11

SHEET NUMBER
AD05-A07
 SHEET REFERENCE
 AE510



A1

JAMB DETAIL

SCALE: 3" = 1'-0"



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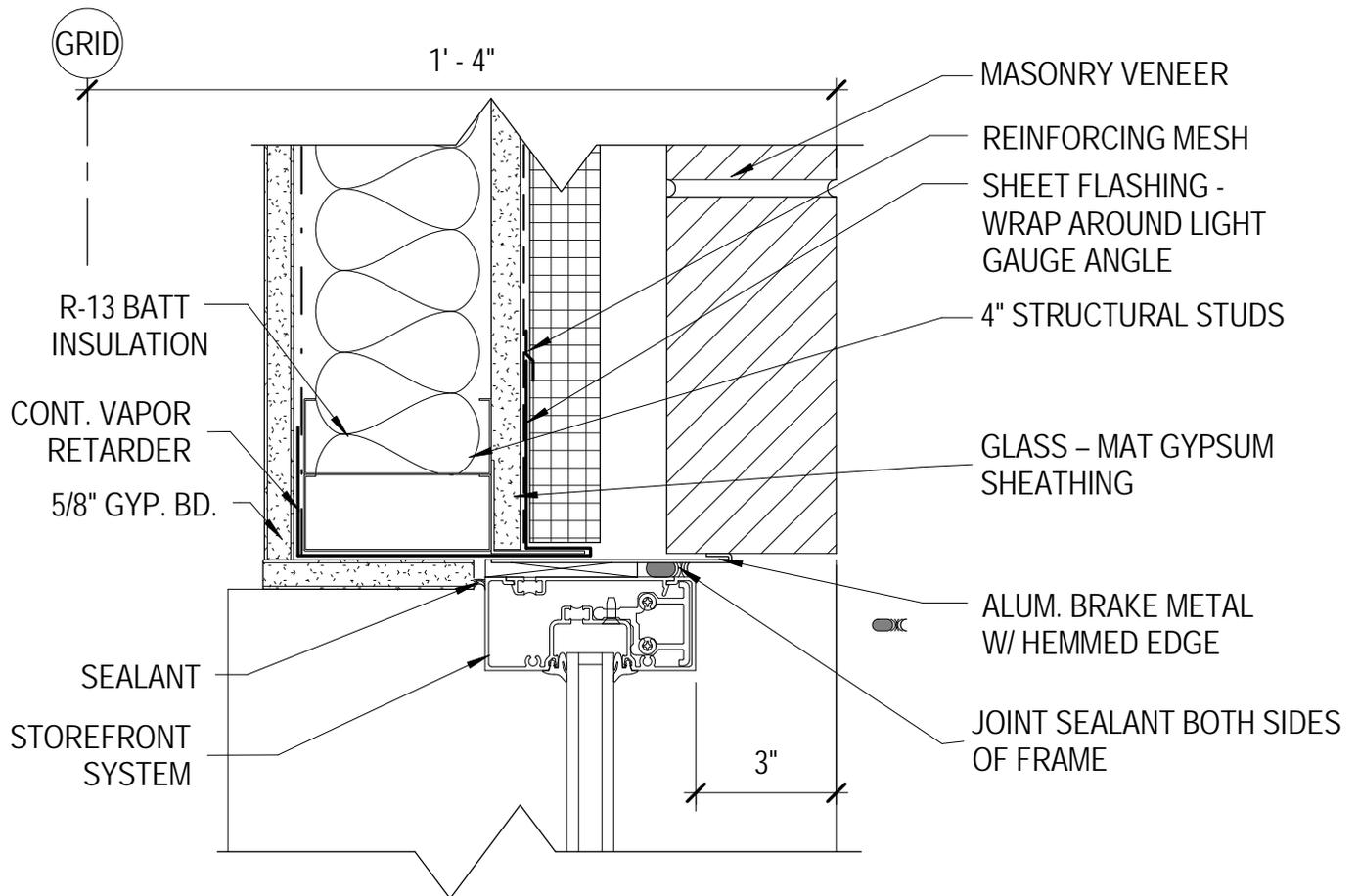
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PROJECT NO. 2010543

DATE: 05/05/11

SHEET NUMBER
AD05-A08

SHEET REFERENCE
AE521



A2

JAMB DETAIL

SCALE: 3" = 1'-0"



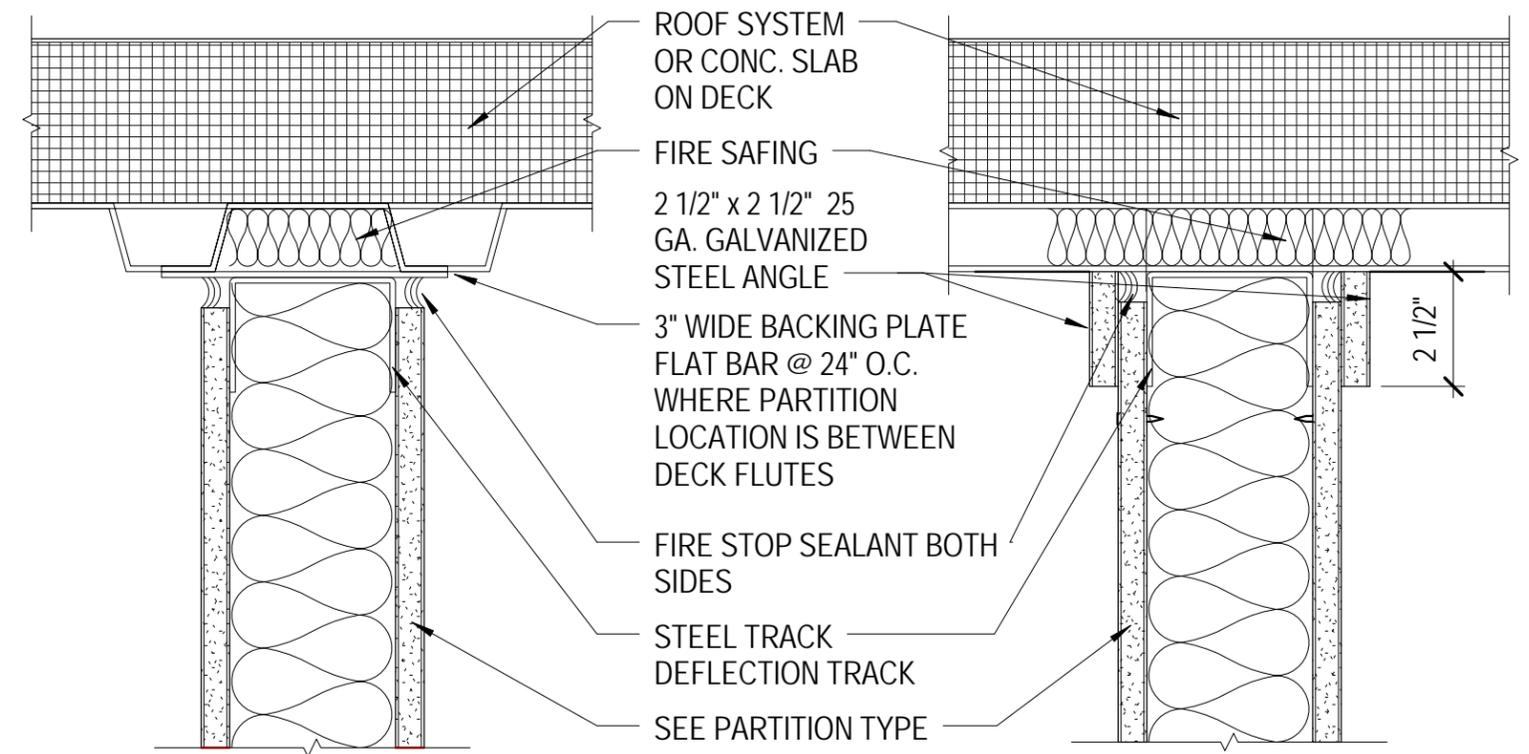
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PROJECT NO. 2010543

DATE: 05/05/11

SHEET NUMBER
AD05-A09
 SHEET REFERENCE
AE521



WALL PARALLEL W/ DECK FLUTES

WALL PERPENDICULAR TO DECK

A3

DETAIL

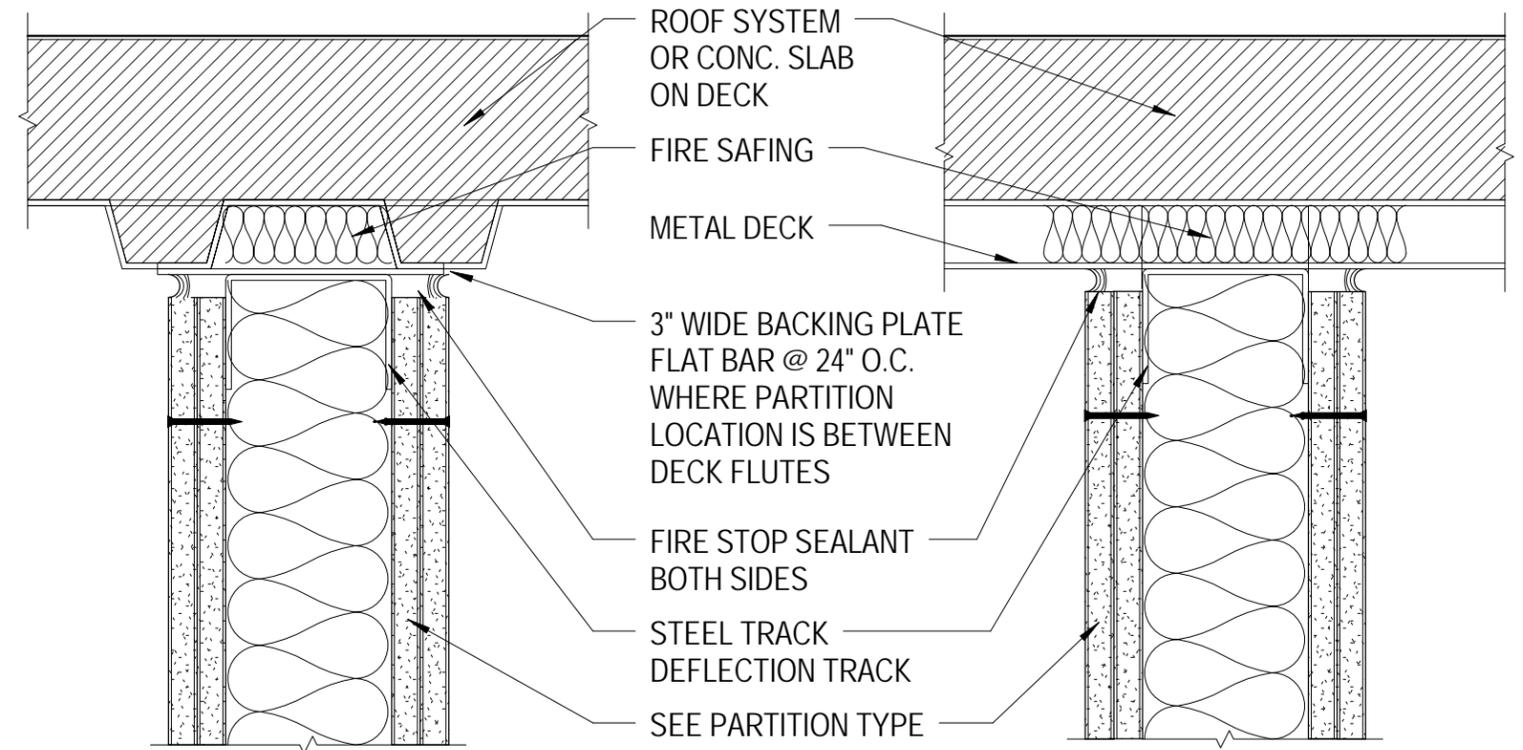
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 PROJECT NO. 2010543
 DATE: 05/05/11

SHEET NUMBER
AD05-A10
 SHEET REFERENCE
 AE601



WALL PARALLEL W/ DECK FLUTES

WALL PERPENDICULAR TO DECK

A4

DETAIL

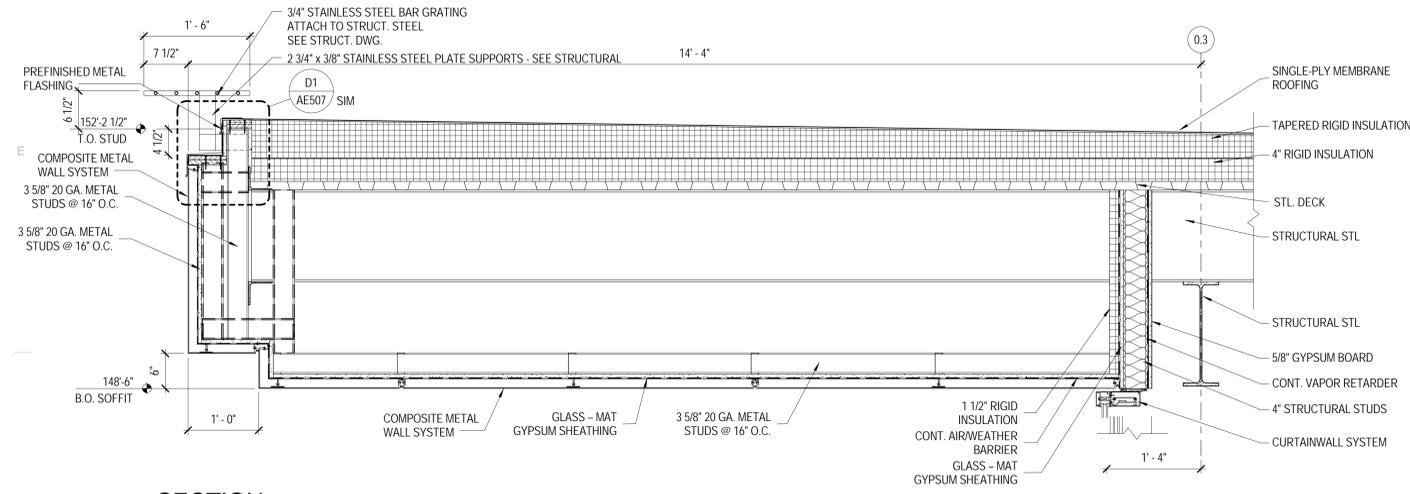
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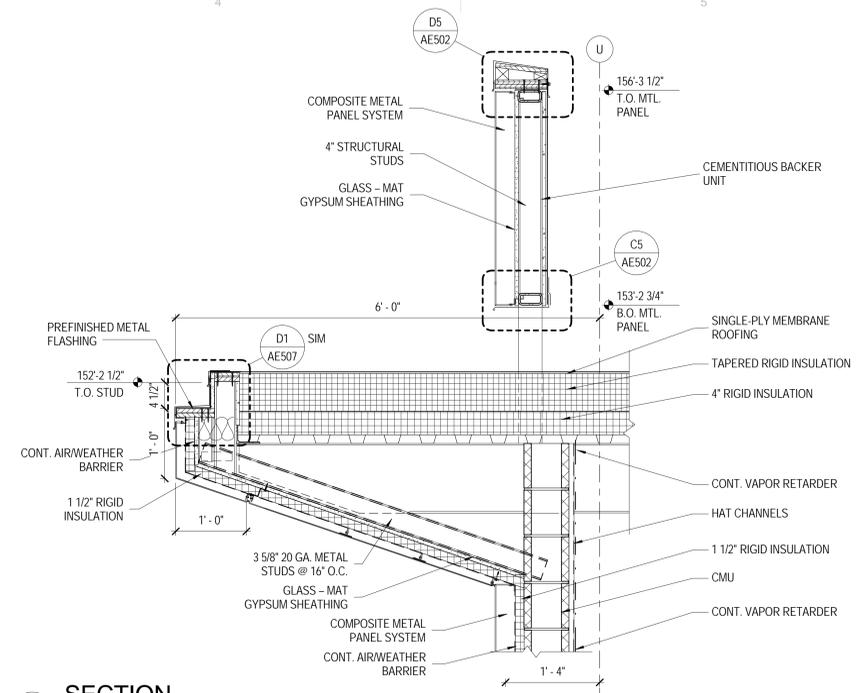
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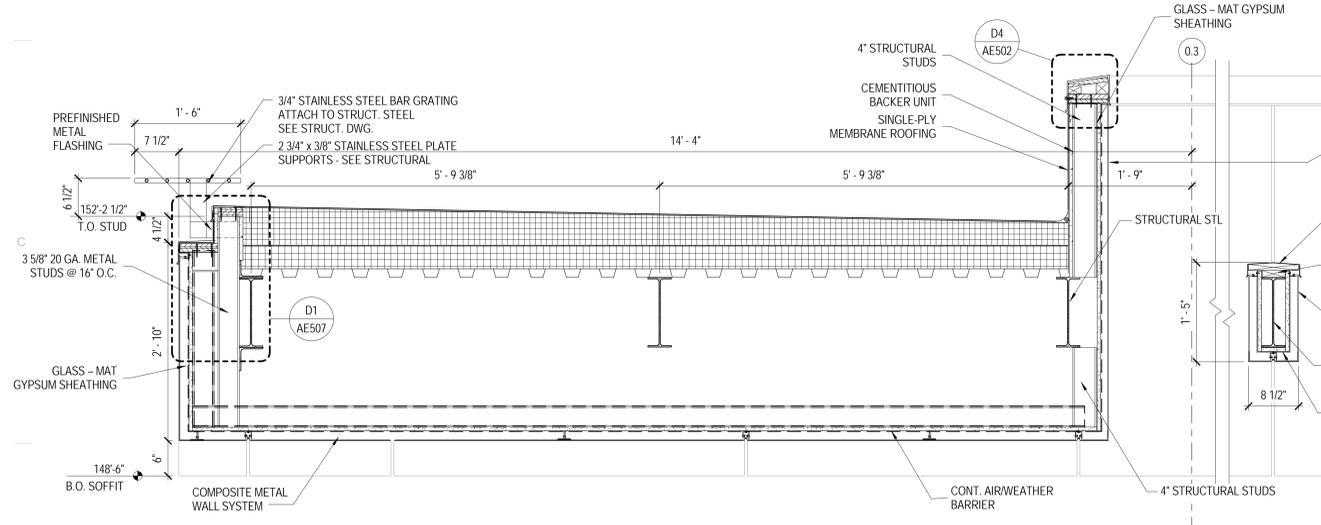
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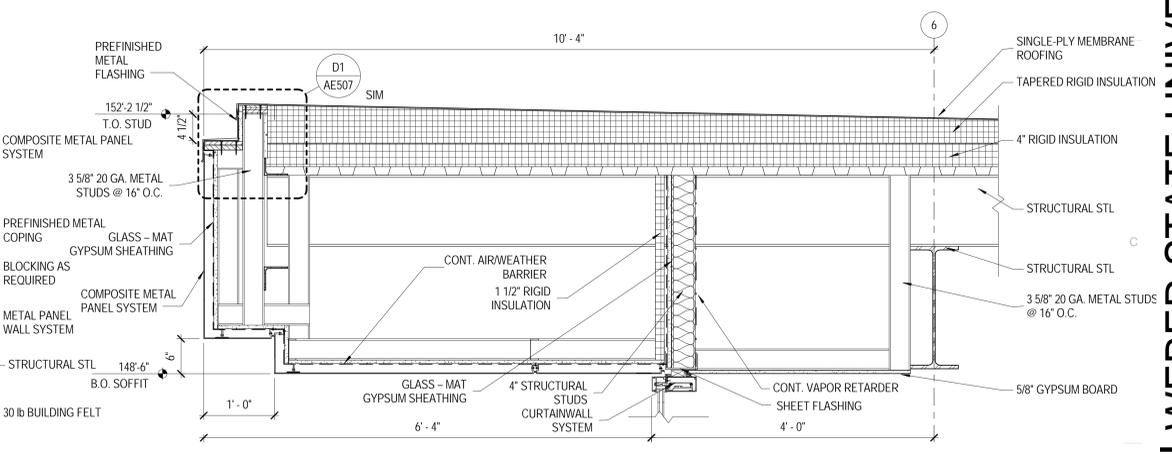
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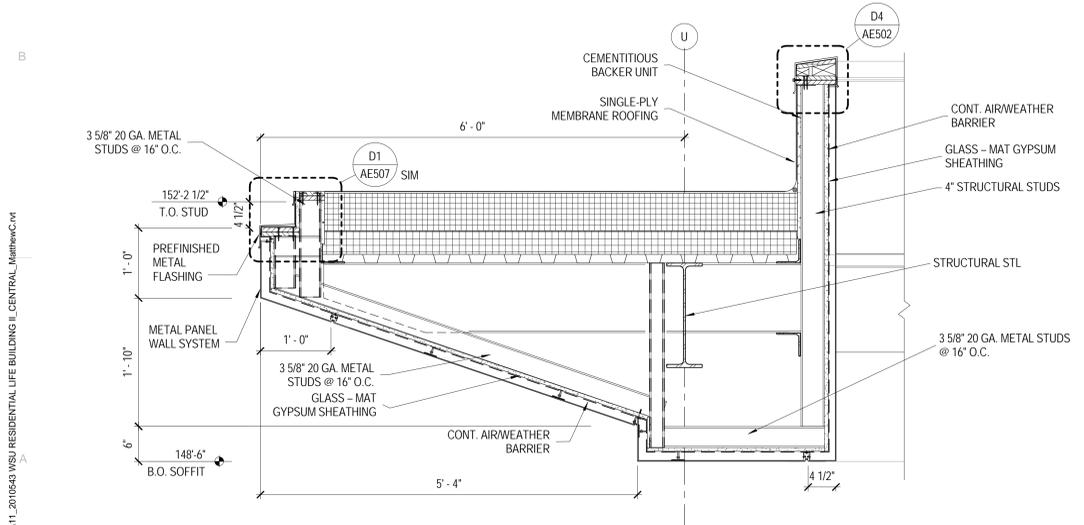
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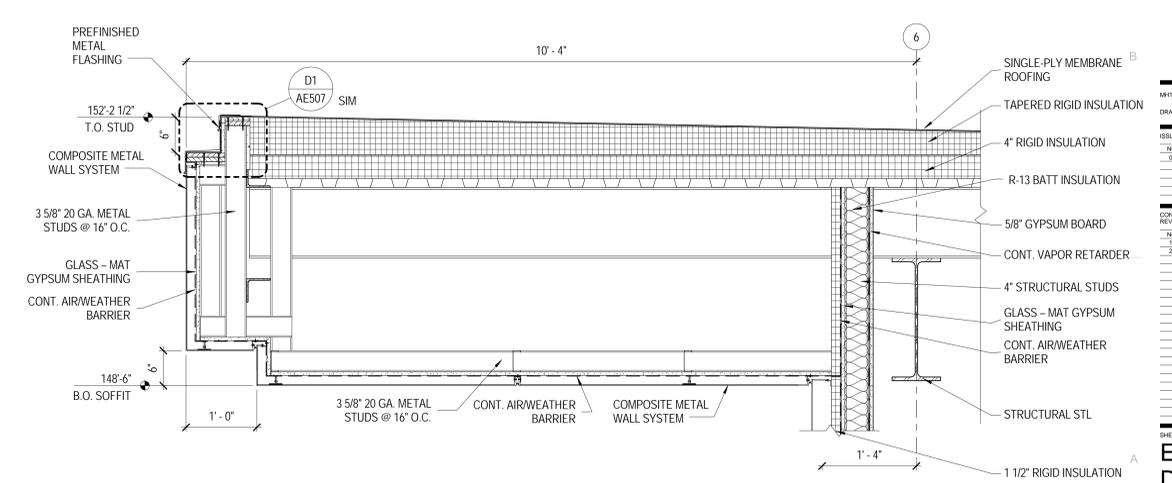
C1 SECTION
 SCALE: 1" = 1'-0"



C4 SECTION
 SCALE: 1" = 1'-0"



A1 SECTION
 SCALE: 1" = 1'-0"



A3 SECTION
 SCALE: 1" = 1'-0"

WEBER STATE UNIVERSITY
RESIDENTIAL LIFE PHASE II - BLDG 2
 DFCM PROJECT NUMBER: 10176810
 WEBER STATE UNIVERSITY
 OGDEN, UTAH 84408



MHTN PROJECT NO. 2010543
 DRAWN BY: PAW
 CHECKED BY: MG

ISSUED	NO.	DATE	DESCRIPTION
1	01	14 APR 2011	CONSTRUCTION DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE

NO.	DATE	DESCRIPTION	ADDENDUM NO.
1	20 APR 2011	ADDENDUM 01	
2	05 MAY 2011	ADDENDUM 02	

EXTERIOR DETAILS

CONSTRUCTION DOCUMENTS
 14 APRIL 2011

AE504

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MECHANICAL ADDENDUM NO. 5

WSU Residential Life Phase II Prg/Design Bldg. 2

CEA PROJECT NO. 2010-074.00

May 5, 2011

All contractors submitting proposals for this project shall be governed by the following addendum, changes, and explanations to the bidding documents. Bids shall be submitted in accordance with the following:

Item No.	Add, Delete or Clarify	Specificatio n Section or Drawing No.	Reference / Description:
1	ADD	230529	Add Spec. section 230529, 2.5, A, #6 (Provide detail of proposed hanging and attachment methods for review before any installation begins.)
2	ADD	MH501	Add strap hanger with screw see detail 4/MH501. Add filter box with piano hinge and sash locks see detail 7/MH501. See attached drawings ADD 5.0 and ADD 5.01.
3	CLARIFY	MH001	Identify abbreviation SLD as slab land drain.
4	CLARIFY	PL101A, PL101B, PL401, PL402 and PL601	Relocated gas meter to North end of building. Routed associated piping to coordinate with new gas meter location. See attached drawings PL101A, PL101B, ADD 5.4, ADD 5.5 and ADD 5.6. Clarified gas regulator schedule for boilers, MAU and main laundry dryers. See attached drawing ADD 5.3.

PRODUCT SUBSTITUTIONS / PRIOR APPROVALS

Product Type	Alternate Manufacturers
Fire Sprinkler Contractor	Quality Fire Protection, Inc.
Ceiling Slot Diffusers, Wall Registers & Grilles, Gravity Roof Hoods	Carnes
Floor drains, Hydrants, Water Hammer Arrestors, Trap Primers	Mifab
Heat Pumps	Geofinity
Heat Exchanger (HX-2)	Lochinvar, HTPProducts
Boiler Storage Tank	Lochinvar, HTPProducts
Water Heater	Lochinvar
Storage Tank	Lochinvar, Riverside Hydronics

I:\PROJECTS\2010 Projects\2010-074.00 WSU Housing Phase II\Addenda\Mechanical Addendum #5 Bldg. 2.docx

Solar Collectors	Lochinvar by TiSun, Cinco Solar
Solar Water Pump	Flo Fab, Cinco Solar
Solar Air Separator	Flo Fab, Cinco Solar
Air Separator	Wheatley
Pumps and Specialties	Paco/Grundfos
Heat Exchanger (HX-1)	Flo Fab, Polaris
Expansion Tanks	Flo Fab, Wessels/Flexcon
Domestic Circ. Pumps	Flo Fab
Domestic Expansion Tanks	Flo Fab, Elbi
Gas Regulators	Governor
Pump Suction Diffusers, Triple Duty Valves, Pressure Gauges, Thermometers, Airtrol Fittings, Flex Connectors, Y-Strainers, Manual Air Vents, Auto Air Vents	Flo Fab
Shower/Tub	Symmons
Toilet Seats	Comfort
Water Softener	Pacific
VFD Controllers	Grundfos
Balancing Valves	Danfoss, Nexus Valve
Flexible Pump Connectors	Twin City Hose
Boilers	Mestek, KN/RBI

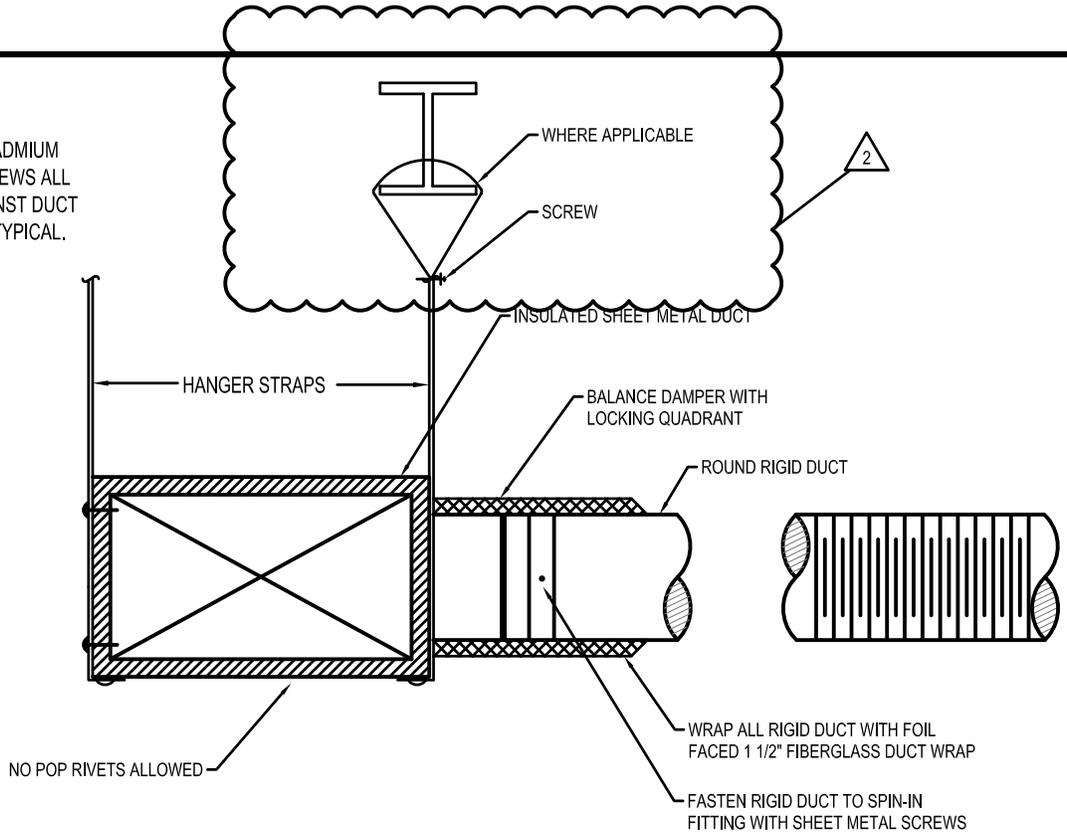
The above named alternate equipment manufacturers stand approved in name only. Approval here in no way relieves the supplier from complying with all other engineering, weight spatial, and quality requirements of equipment indicated in the contract documents. Contractors using products from the above named alternate manufacturers shall refer to Specification Section 15010 for detailed contractor responsibilities related to the use of alternate brands not used as the Basis of Design.

END OF ADDENDUM NO. 5

1

NO SCALE

#10 X 3/4" SELF TAPPING CADMIUM PLATED SHEET METAL SCREWS ALL STRAPS TO BE TIGHT AGAINST DUCT AND SUPPORT MEMBERS, TYPICAL.

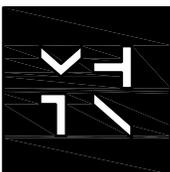


4

FLEX DUCT/SPIN-IN FITTING

NO SCALE

15880/23310



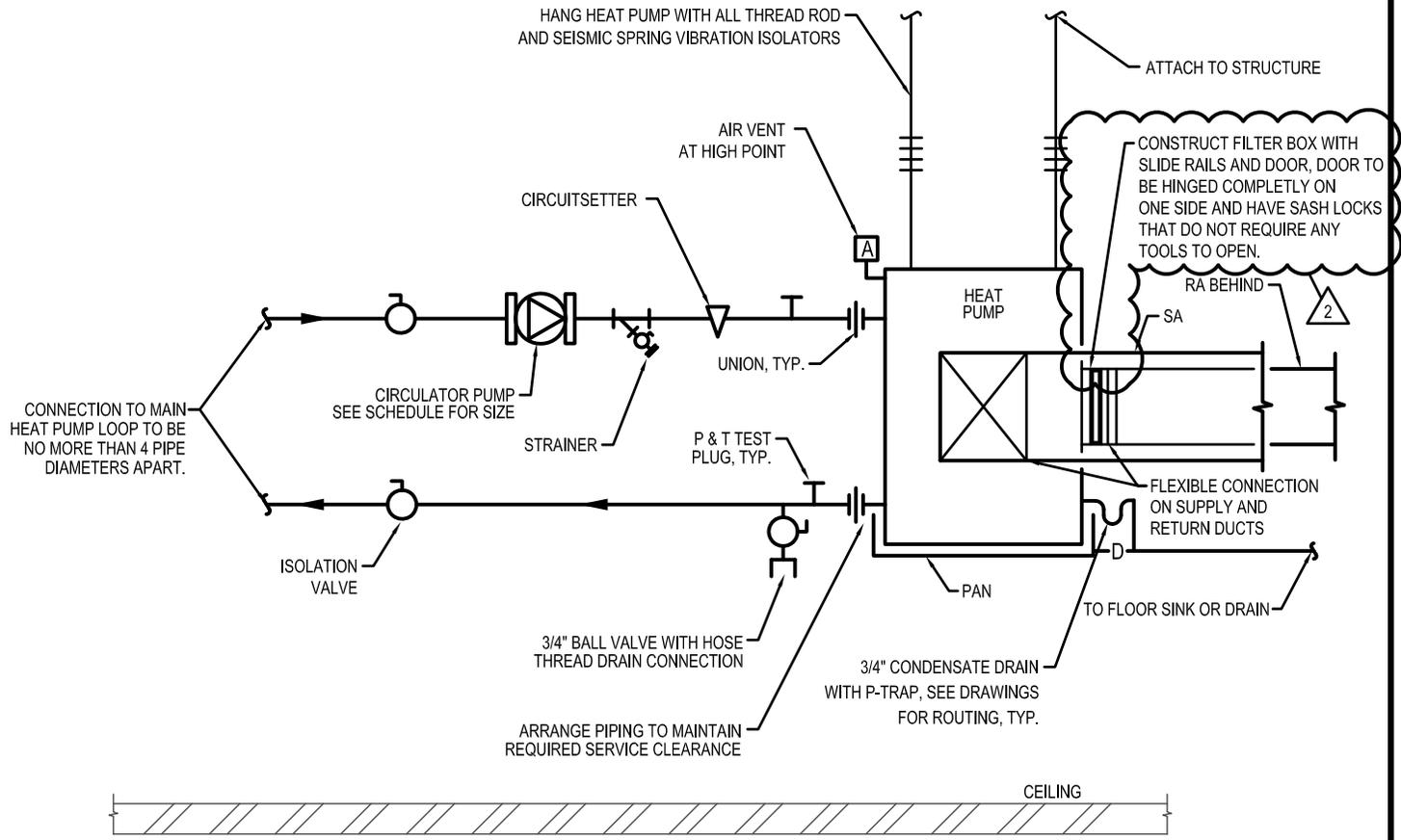
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 FAX 801.595.6717
 www.mhtn.com

WEBER STATE UNIVERSITY
 RESIDENTIAL LIFE PHASE II - BLDG 2
 PROJECT NO. 2010543
 DATE: 05/03/11

SHEET NUMBER
ADD 5.0
 SHEET REFERENCE
MH501

NO SCALE

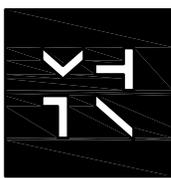
15880/23310



7

ABOVE CEILING HEAT PUMP PIPING PLAN

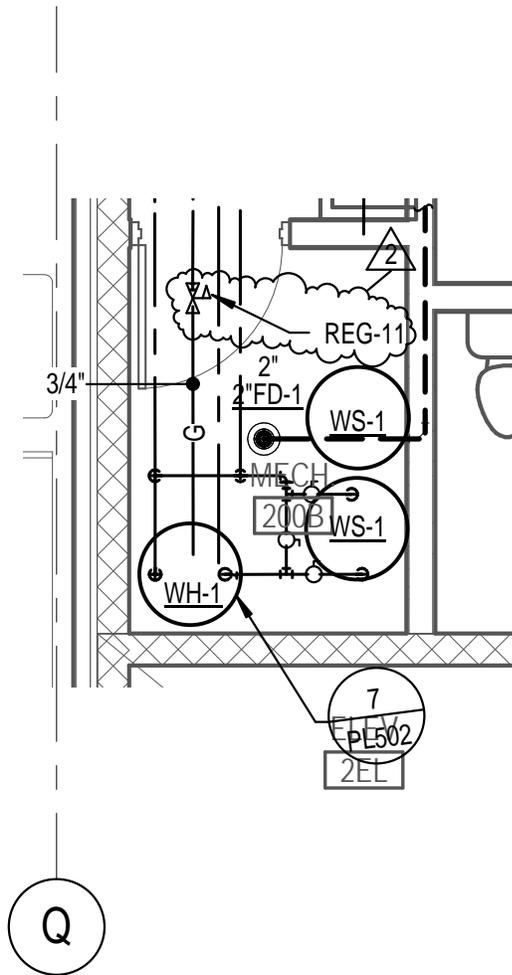
NO SCALE



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 PROJECT NO. 2010543
 DATE: 05/03/11

SHEET NUMBER
ADD 5.01
 SHEET REFERENCE
MH501



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 RESIDENTIAL LIFE PHASE II - BLDG 2
 PROJECT NO. 10176810
 DATE: 05/05/11

SHEET NUMBER
ADD 5.2
 SHEET REFERENCE
PL402

NATURAL GAS PRESSURE REGULATOR SCHEDULE (REG) ①

PLAN CODE	TYPE	EQUIPMENT SERVED	INLET PRESSURE (PSIG)	OUTLET PRESSURE (OZ./SQ. IN.)	LOAD (MBH)	GAS DELIVERY (CU.FT./H)	NOTES
REG-1	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-2	SELF-OPERATING SPRING LOADED DIAPHRAGM	DRYERS	5 LB.	4 OZ.	25	28	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-3	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-4	SELF-OPERATING SPRING LOADED DIAPHRAGM	DRYERS	5 LB.	4 OZ.	25	28	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-5	SELF-OPERATING SPRING LOADED DIAPHRAGM	DRYERS	5 LB.	4 OZ.	25	28	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-6	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68 ²	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-7	SELF-OPERATING SPRING LOADED DIAPHRAGM	DRYERS	5 LB.	4 OZ.	300	337	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-8	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-9	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-10	SELF-OPERATING SPRING LOADED DIAPHRAGM	KITCHEN	5 LB.	4 OZ.	1,065	1,197	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-11	SELF-OPERATING SPRING LOADED DIAPHRAGM	WH-1	5 LB.	4 OZ.	150	169	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-12	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-13	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-14	SELF-OPERATING SPRING LOADED DIAPHRAGM	STOVE	5 LB.	4 OZ.	60	68	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-15	SELF-OPERATING SPRING LOADED DIAPHRAGM	BARBECUE	5 LB.	4 OZ.	80	90	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-16	SELF-OPERATING SPRING LOADED DIAPHRAGM	BOILER	5 LB.	4 OZ.	3,000	3,371	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-17	SELF-OPERATING SPRING LOADED DIAPHRAGM	BOILER	5 LB.	4 OZ.	3,000	3,371	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE
REG-18	SELF-OPERATING SPRING LOADED DIAPHRAGM	MAU-1	5 LB.	4 OZ.	915	1,028	VENT LIMITER W/ OVER PRESSURE PROTECTION DEVICE

① VENT REGULATOR TO EXTERIOR AS REQUIRED UNLESS DEAD-END LOCKUP VENTLESS TYPE IS APPROVED BY LOCAL JURISDICTION.

②



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RESIDENTIAL LIFE PHASE II - BLDG 2

PROJECT NO. 2010543

DATE: 05/03/11

SHEET NUMBER

ADD 5.3

SHEET REFERENCE

PL601

T

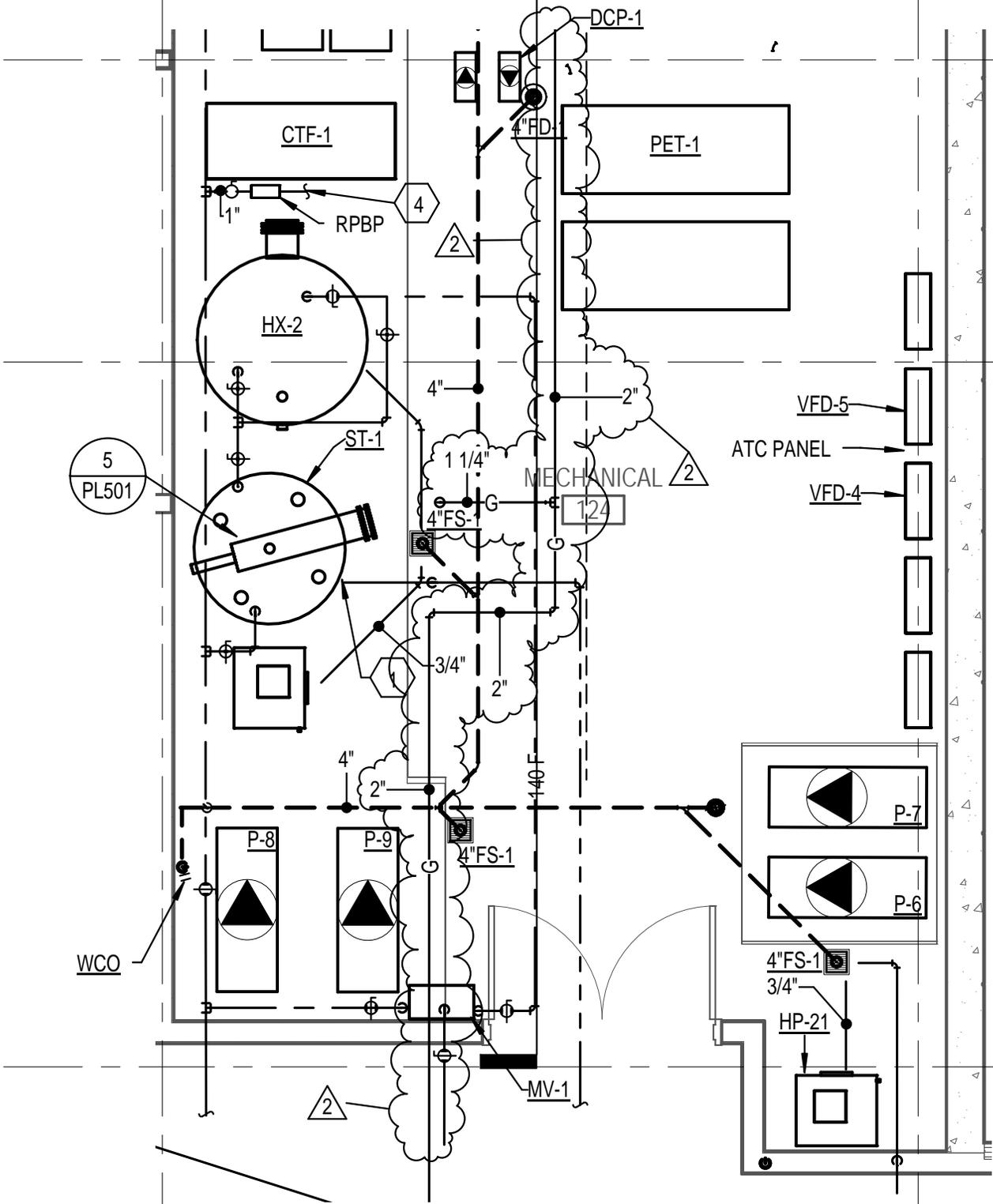
2
MH302

U

4.1

3.7

3.2



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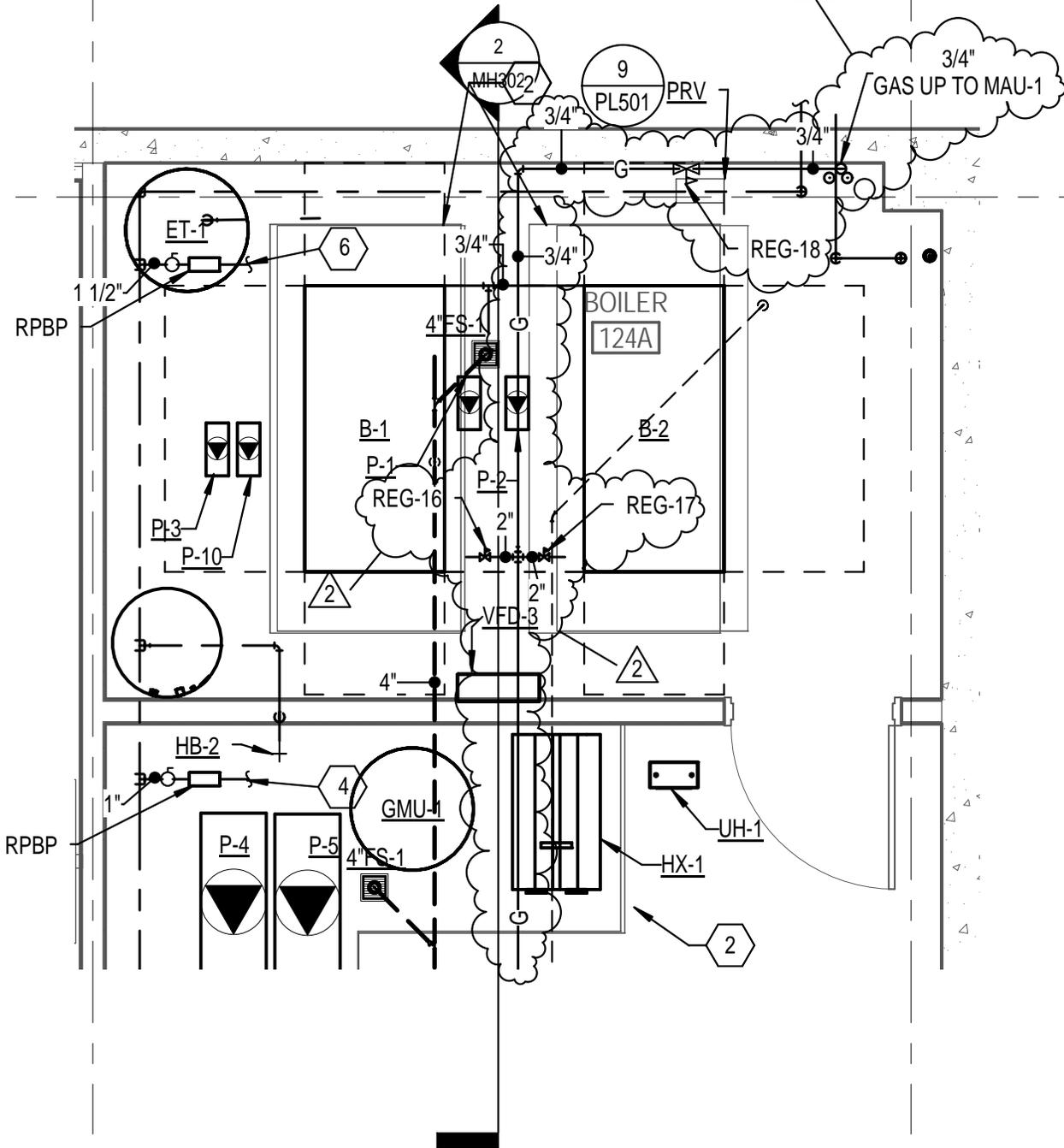
WEBER STATE UNIVERSITY
 RESIDENTIAL LIFE PHASE II - BLDG 2
 PROJECT NO. 10176810
 DATE: 05/05/11

SHEET NUMBER
ADD 5.4
 SHEET REFERENCE
PL401

T

U

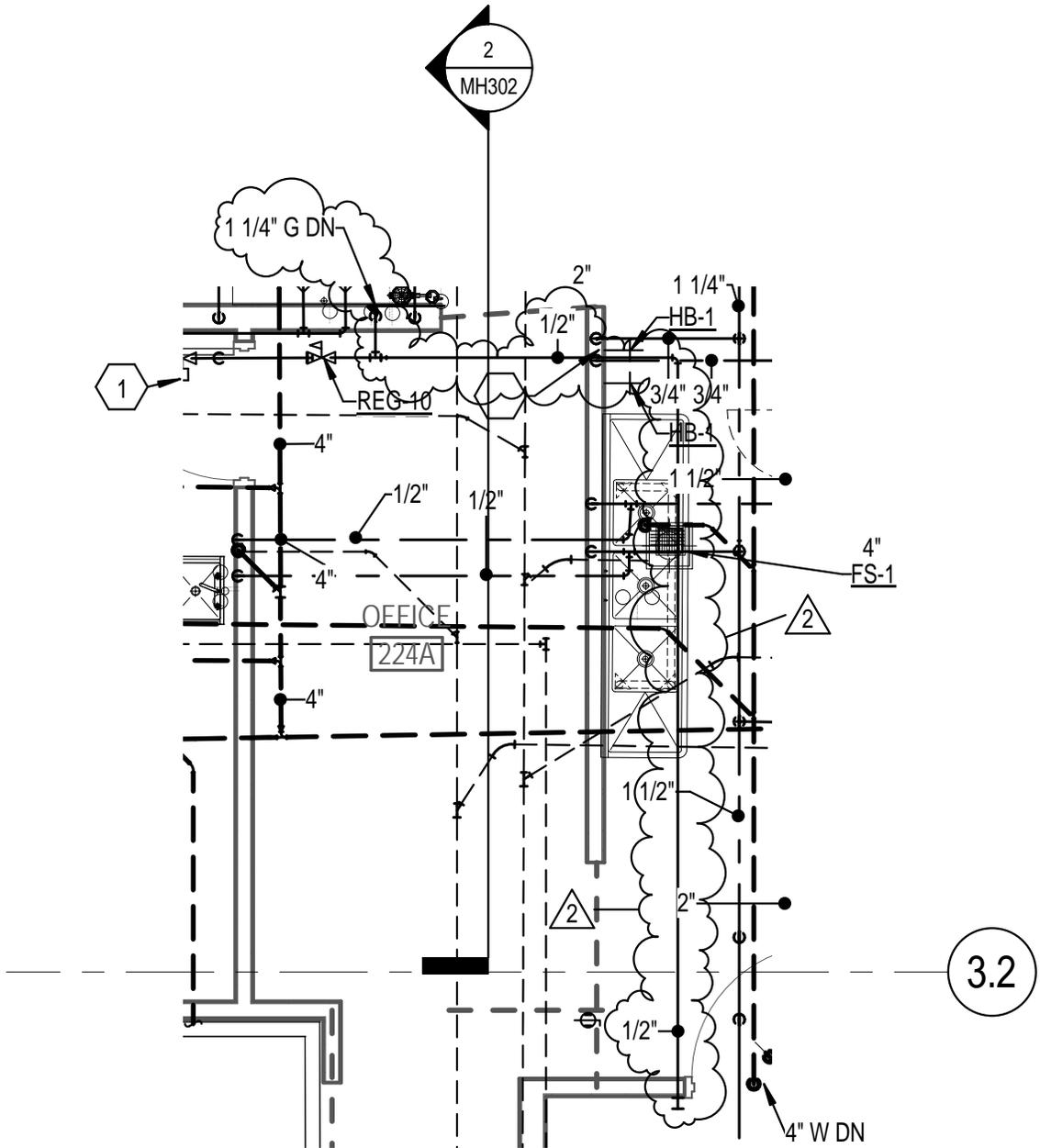
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WEBER STATE UNIVERSITY
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 PROJECT NO. 10176810
 DATE: 05/05/11

SHEET NUMBER
ADD 5.5
 SHEET REFERENCE
PL401



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 PROJECT NO. 10176810
 DATE: 05/05/11

SHEET NUMBER
ADD 5.6
 SHEET REFERENCE
PL402

WEBER STATE UNIVERSITY
RESIDENTIAL LIFE PHASE II - BLDG 2
 DFCM PROJECT NUMBER: 10176810
WEBER STATE UNIVERSITY
 OGDEN, UTAH 84408



MHTN PROJECT NO. 10176810
 DRAWN BY: GM CHECKED BY: BRG

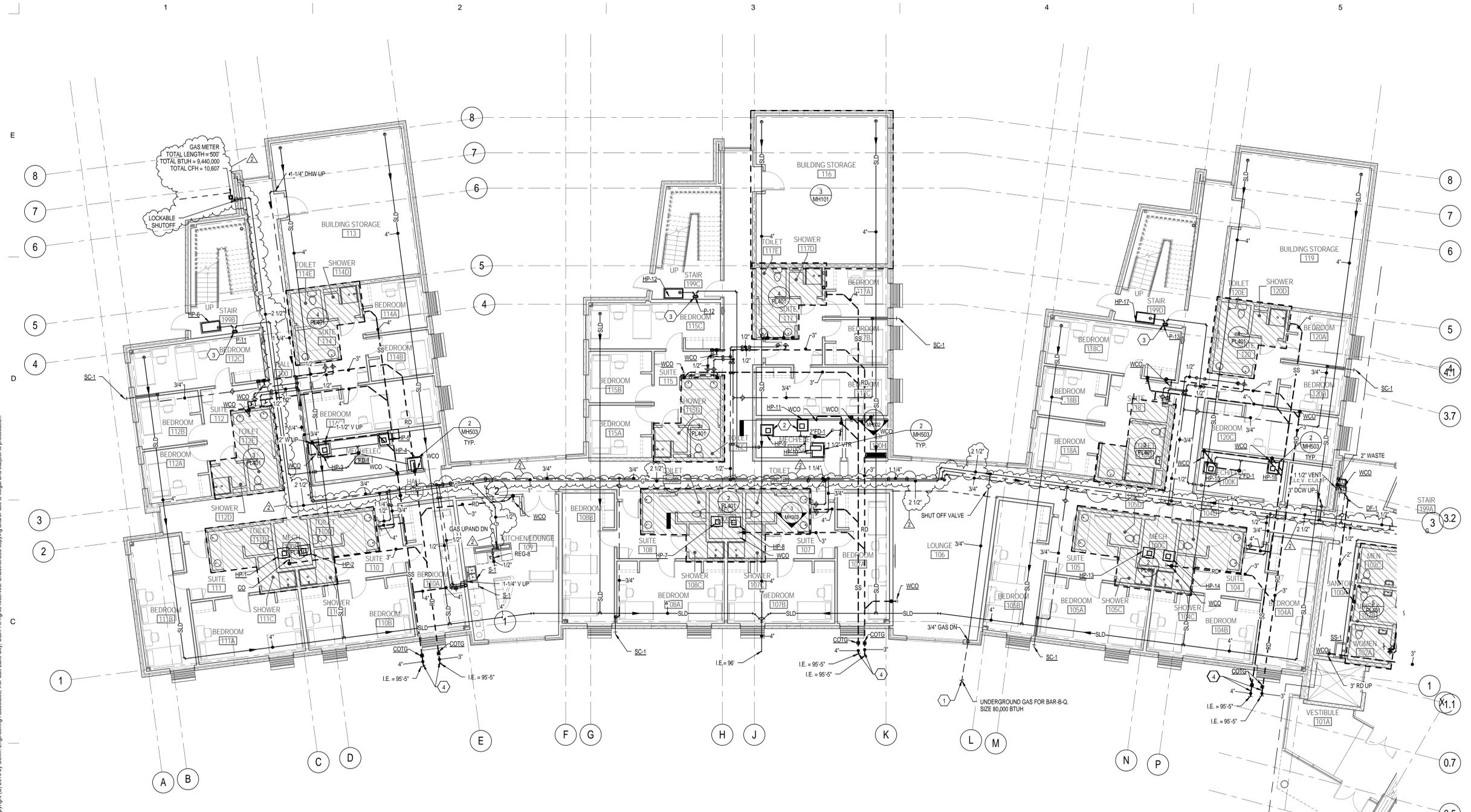
ISSUED	NO.	DATE	DESCRIPTION

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE

NO.	DATE	DESCRIPTION	ISSUED BY

SHEET NAME
LEVEL ONE PLUMBING PLAN - AREA 'A'
 CONSTRUCTION SET
 14 APRIL 2011
 SHEET NUMBER

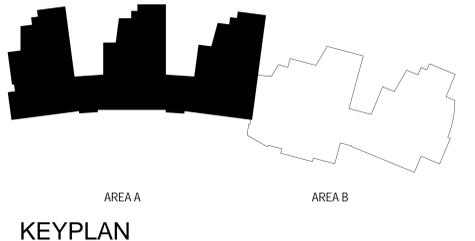
PL101A



1 LEVEL ONE PLUMBING PLAN - AREA 'A'
 SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
- ALL UNDER SLAB DRINS TO SLOPE 1/8"
 - ALL HEAT PUMPS TO HAVE SHEETMETAL PAN THAT DRAINS TO FLOOR DRAINS.
 - ALL WASTE, ROOF DRAINS AND OVERFLOW DRAINS TO BE RUN AT 1/8" PER FOOT SLOPE UNLESS NOTED OTHERWISE.
 - PROVIDE ACCESS DOORS TO ALL MIXING VALVES, TRAP PRIMERS, SHUTOFF VALVES, ETC.
 - COORDINATE PLUMBING PIPING ROUTING AND LOCATION WITH ALL TRADES.
 - PROVIDE A WATER TIGHT PAN THAT IS 2" DEEP AND 6" LARGER THAN ANY PLUMBING, MECHANICAL PIPING OR MECHANICAL EQUIPMENT INSTALLED OVER ANY ELECTRICAL EQUIPMENT OR GEAR.

- KEYED NOTES**
- ROUTE 3/4" GAS PIPING UNDERGROUND TO NATURAL GAS BBQ. COORDINATE EXACT LOCATION WITH ARCHITECT. UNDERGROUND PIPING TO BE PVC PIPING. PROVIDE AND INSTALL A LOCKING SHUT OFF VALVE AT BBQ LOCATION. ESTIMATED 40,000 BTUH.
 - ROUTE CONDENSATE DRAIN FROM DRAIN PAN TO FLOOR SINK.
 - CONDENSATE DRAIN TO DROP FROM UNIT DRAIN PAN TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO NEAREST FLOOR DRAIN.
 - SEE STRUCTURAL DETAIL (C3/SB501) FOR PIPING CROSSING UNDER FOOTING.



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KEYED NOTES

- ROUTE 1 1/2" GAS PIPING UNDERGROUND TO NATURAL GAS FIRE PIT. COORDINATE EXACT LOCATION WITH ARCHITECT. UNDERGROUND PIPING TO BE PVC PIPING. PROVIDE AND INSTALL A LOCKING SHUT OFF VALVE AT FIRE PIT LOCATION. ESTIMATED 375,000 BTUH. PROVIDE WITH GAS PRESSURE REGULATOR OUTLET PRESSURE 4 OZ.
- GAS COCK MOUNT AT 42" A.F.F.
- CONDENSATE DRAIN TO DROP FROM UNIT DRAIN PAN TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO NEAREST FLOOR DRAIN.
- ROUTE CONDENSATE DRAIN FROM DRAIN PAN TO FLOOR SINK.
- ROUTE 3/4" CONDENSATE PIPE FROM PAN AS SHOWN.
- CONNECT THE DISHWASHER TO THE WASTE PIPE AND CONNECT HOT AND COLD WATER.
- SEE STRUCTURAL DETAIL (C3) SB501 FOR PIPING CROSSING UNDER FOOTING.
- CONNECT 1/2" COLD WATER TO REFRIGERATOR AS REQUIRED.

GENERAL NOTES

- ALL UNDER SLAB DRINS TO SLOPE 1/8"
- ALL HEAT PUMPS TO HAVE SHEETMETAL PAN THAT DRAINS TO FLOOR DRAINS.
- ALL WASTE, ROOF DRAINS AND OVERFLOW DRAINS TO BE RUN AT 1/8" PER FOOT SLOPE UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS DOORS TO ALL MIXING VALVES, TRAP PRIMERS, SHUTOFF VALVES, ETC.
- COORDINATE PLUMBING PIPING ROUTING AND LOCATION WITH ALL TRADES.
- PROVIDE A WATER TIGHT PAN THAT IS 2" DEEP AND 6" LARGER THAN ANY PLUMBING, MECHANICAL PIPING, OR MECHANICAL EQUIPMENT INSTALLED OVER ANY ELECTRICAL EQUIPMENT OR GEAR.

**WEBER STATE UNIVERSITY
RESIDENTIAL LIFE PHASE II - BLDG 2**
DFCM PROJECT NUMBER: 10176810
WEBER STATE UNIVERSITY
OGDEN, UTAH 84408



MHTN PROJECT NO. 10176810
DRAWN BY: GM CHECKED BY: BRG

NO.	DATE	DESCRIPTION
1	05/03/2011	ADD RS
2	05/03/2011	ADD RS

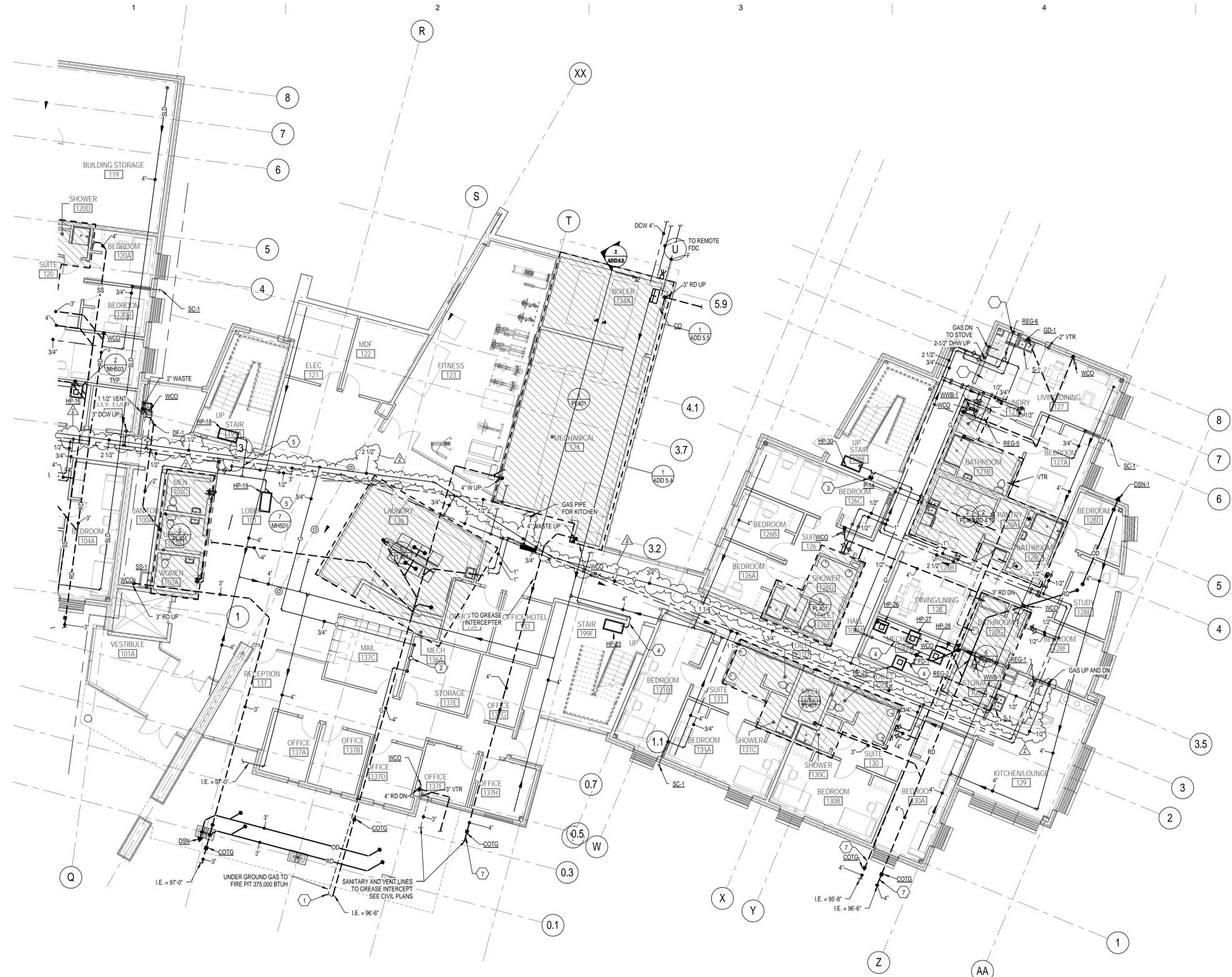
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE

SHEET NAME
**LEVEL ONE
PLUMBING PLAN -
AREA 'B'**
CONSTRUCTION SET
14 APRIL 2011
SHEET NUMBER

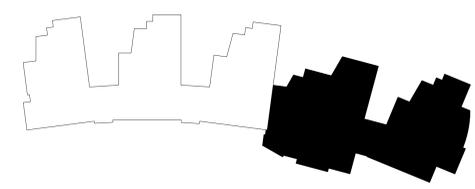
PL101B

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5/5/2011 11:16:01 AM



1 LEVEL ONE PLUMBING PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"



KEYPLAN

**Addendum No. Five
for the
Weber State University Residential Life Phase 2 Building 2
Construction Documents
DFCM Project No. 10176810**

All Contractors submitting proposals on the above captioned project shall be governed by the following addendum, changes and explanations to the bidding documents dated 14 April, 2011 and shall submit their bids in accordance therewith:

CHANGES TO THE DRAWINGS: IN ORDER AS FOLLOWS:

E1.1 SHEET EE001

1. Light Fixture Schedule:

The following additional manufacturers are approved to bid. Approval of the equipment from catalog information indicates that the brand name and general characteristics are acceptable to the Engineer. Any conflict arising from use of the substituted equipment shall be the responsibility of the Supplier who shall bear all costs required to make the equipment comply with the intent of plans and specifications.

T-3	HE Williams
T-4	HE Williams
T-5	HE Williams
T-7	HE Williams
T-8	Ark
T-9	Prima
T-11	Peach Tree
T-12	Peach Tree
T-16	Vantage
T-19	HE Williams
T-20	HE Williams
T-21	Prima
T-22	HE Williams
T-23	Peach Tree
T-24	Peach Tree
T-25	HE Williams
EX-1	Exitronix
EX-2	Exitronix

E1.2 SHEET EE002

1. Add the following special note:

"Shutting down and re-energizing of any medium voltage switches shall be done by the electrical contractor and coordinated at least 2 weeks in advance with WSU. Step by step method of procedure will be required and shall be approved by the engineer and WSU prior to this work. This applies to the entire job."

E1.3 SHEET ES101

1. Install the transformer for the rope light around the fire pit in a Nema 3R flush mounted electrical box next to the gas box.

END OF ADDENDUM No. 5

HAZARDOUS MATERIAL ABATEMENT

The work of this Section is provided by the Owner to incorporate into the General Construction Contract and is provided for information to Bidders

Scope of Work: Interior, Ogden, Utah,

1. Interior Wall Removal During Demolition

- A. Contractor shall remove all walls containing "block filler" from the building with the demolition debris. The block filler contains **chromite** asbestos; this material is bound up in the paint which was applied to the block throughout the inside of the building. There is approximately **5,000 square feet** of currently **nonfriable** block filler to be removed. Contractor shall wet the material prior to and as it is removed and shall place it in poly-lined dumpsters prior to transport. Block filler is a Category II non-friable material according to Utah DAQ (Utah Air Quality Rules, R-307-801 Asbestos); this material is being treated as a Category I non-friable under Alternative Work Practice approval; OSHA considers this a Class 2 operation (29 CFR 1926.1101).
- B. Contractor shall exercise due care and caution to avoid unnecessary dust during the demolition. Industrial hygiene personnel will be collecting daily air samples in the area of the demolition (upwind and downwind) and will stop or slow the work as necessary to ensure dust remains at an acceptable level. Air samples will be analyzed to determine if more extensive dust control procedures will be necessary (such as wetting the block with encapsulant prior to demolition). Small-scale interior demolition of this material has shown no significant elevation of airborne asbestos levels; elevated levels during demolition is not expected.
- C. Contractor shall ensure equipment operators are trained as per OSHA requirements prior to working on the site. This training shall last at least 5 hours.
- D. Contractor shall perform asbestos air sampling (TWA and EL) for his workers to guarantee adequate respiratory protection is utilized during the work. Sampling shall be performed daily during the project.
- E. Contractor shall ensure each load of debris from the site is in leak-tight containers. Contractor shall line his dumpsters with heavy duty poly sheeting and enclose the load in a leak-tight manner prior to transport.
- F. Contractor shall ensure this material is not recycled in any way and that it is deposited in a landfill approved for non-friable asbestos waste. **Contractor shall ensure this waste is approved by the intended landfill prior to transport. Contractor shall include all applicable landfill fees associated with this waste in his bid.**
- G. It is the responsibility of the contractor to determine if the receiving facility requires separation of materials.

2. General

- A. Contractor shall ensure that a 40-hour asbestos-trained project supervisor is in attendance during all phases of the work.
- B. The most stringent regulations in effect for the work site shall apply. Contractor shall determine the extent of city, county, state, federal and all other applicable regulations and perform the work in compliance with these regulations.

- C. Contractor shall provide an English-speaking interpreter on-site any time Contractor personnel are non-English-speaking.
- D. Damaged or "disturbed" block filler material shall be contained and removed to the disposal site as soon as practicable. Contractor shall exercise due care and caution to make the site secure from unauthorized entry. All asbestos-containing waste shall be transported in leak-tight containers.
- E. All dimensions, quantities and areas provided in this scope of work are approximations to assist Contractor in determining the amount of ACM designated for removal. Contractor is entirely responsible for accurately determining the amount of ACM included in the scope of work.

END OF SECTION



**WEBER STATE UNIVERSITY
RESIDENTIAL LIFE PHASE II - BLDG. 3**
DFCM PROJECT NUMBER: 11008810



SEAL

MHTN PROJECT NO. 201043.00

DRAWN BY: BB CHECKED BY: DRW

ISSUED:

NO.	DATE	DESCRIPTION
1	04/15/2011	CONSTRUCTION DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD. REFLECT LAST REVISION ONLY.

NO.	DATE	DESCRIPTION

SHEET NAME

DEMOLITION PLAN

BLDG. 3

CONSTRUCTION

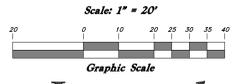
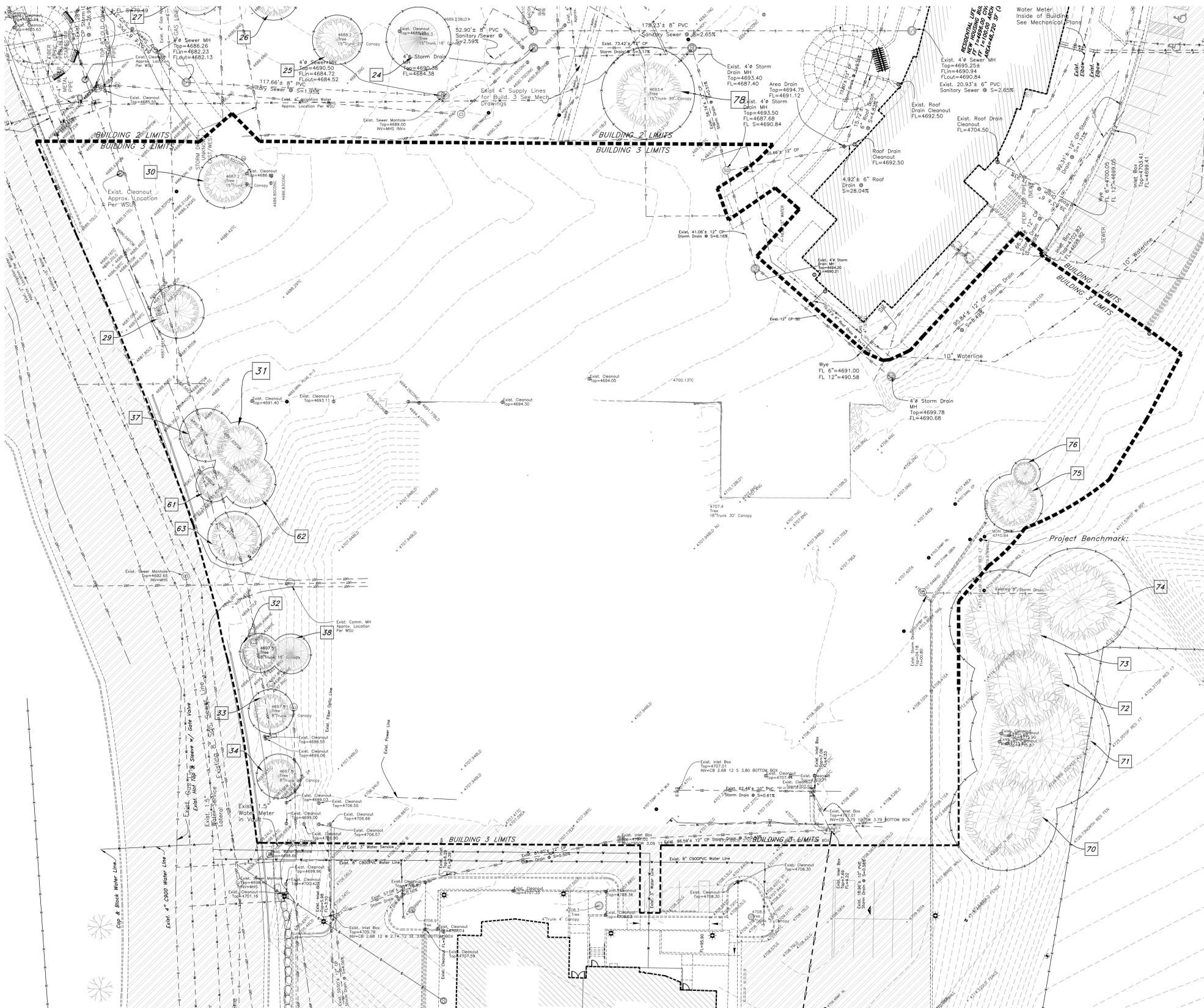
DOCUMENTS

MAY 05, 2011

SHEET NUMBER

CD-002

ADD05-C3



Legend

(Note: All items may not appear on drawings)

- San. Sewer Manhole
- Water Manhole
- Storm Drain Manhole
- Electrical Manhole
- Catch Basins
- Exist. Fire Hydrant
- Fire Hydrant
- Exist. Water Valve
- Water Valve
- Sanitary Sewer
- Storm Drain
- Gas Line
- Telephone Line
- Storm Line
- Secondary Waterline
- Fire Line
- Land Drain
- Power Pole
- Power Pole w/guy
- Light Pole
- Fence
- Flowline of ditch
- Overhead Power line
- Corrugated Metal Pipe
- Concrete Pipe
- Reinforced Concrete Pipe
- Ductile Iron
- Polyvinyl Chloride
- PVC
- Top of Asphalt
- EA
- CL
- Flowline
- Finish Floor
- Top of Curb
- Top of Wall
- TW
- Top of Walk
- TW
- Natural Ground
- FG
- Fire Department Connection
- FDC
- Exist. Contour
- 95.3374
- Exist. Grade
- 95.215
- R
- Ridge Line
- Direction of Flow
- Existing Asphalt
- New Asphalt
- Heavy Duty Asphalt
- Concrete
- Open Face
- Curb & Gutter
- Demo Tree

Project Benchmark:
Monument set in concrete near corner of retaining wall and corner of pond
Northing = 311431.3450
Easting = 1877464.7610
Elevation = 4710.640

General Demolition Notes:

- Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
- Refer to site improvement plans for more details on limits of removal.
- Retain and protect existing buildings, including all footings and foundations.
- All utilities, sewer, water, gas, telephone and electrical services to be disconnected and capped according to city, county and utility company requirements, unless otherwise shown.
- Clear and grub trees, shrubs, and vegetation within construction limits, disposal to be off-site except where noted otherwise.
- DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
- If ASBESTOS is found, the Asbestos must be removed in a legal manner by a contractor licensed to handle asbestos materials. (Not a part of contract)
- Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
- The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies, Weber State University Record Drawings, and where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
- Stockpiles shall be graded to maintain slopes not greater than 3 horizontal to 1 vertical. Provide erosion control as needed to prevent sediment transport to adjacent drainage ways.
- Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such material. Burning onsite is not permitted.
- Install traffic warning devices as needed in accordance with local standards.
- Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.

TREE DEMOLITION NOTE:
Coordinate with Owner and Specifications for Trees to be retained or removed. Trees with GREEN Caution Tape are to remain. Trees with RED Caution Tape are to be removed. These trees will also have 6' tall chain link fencing placed around them at the drip line (location must be approved by owner). The fencing will not be removed without written approval of from the architect and the owner. Any trees removed or damaged will be paid for by the contractor at the schedule of values shown in specifications.

CAUTION NOTICE TO CONTRACTOR
The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records from WSU and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the utility owner at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.

UTILITY LOCATION REQUIREMENTS
The contractor shall at his cost, provide GPS Coordinates for all utilities found during demolition, marked or not marked, all utility relocations, all utility connections, and all new utility lines. Coordinates will contain a Northing, Easting, Elevation, and Description. Coordinates will be based on the same coordinate system shown on these plans. Coordinates will be recorded at the following minimum locations: storm drain manholes top and flowline, catch basins top and flowline, inlet boxes top and flowline, cleanouts, tees, wyes, and connection points; electrical conduit runs, angle points, elbows, and connections; telephone and data, conduit runs, angle points, elbows, and connections; gas line angle points, tees, elbows, valves, and connection points; sanitary sewer manholes top and flowline, cleanouts, tees, wyes, and connection points; electrical conduit runs, angle points, elbows, and connections; telephone and data, conduit runs, angle points, elbows, and connections; irrigation angle points, tees, elbows, valves, and connection points. All of these coordinates are to be inserted into a record drawing set of plans and provided to the owner and to the civil engineer. Additionally, all of these data points are to be provided to the owner and civil engineer on a weekly basis. Failure to record these data points will result in the contractor excavating, locating, providing the coordinates, and backfilling at no additional expense to the owner.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS
The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

ALL CONSTRUCTION TO CONFORM TO WSU STANDARDS AND SPECIFICATIONS



ADDENDUM #5

Project: WSU Res. Life Phase 2 Building 3

Project No.: 10613.a

Location: Ogden, Utah

Date: 5 May 2011

Addendum by: Jeremy Achter, S.E.

Sheet SB101

-The columns at the west canopy have been revised. Please see the attached AD05_S01.

Sheet SB501

-Detail D1/SB501 has been revised. Please see the attached sheet AD05_S02.

Sheet SF102

-The framing plan for the west canopy has been revised. Please see the attached sheet AD05_S03.

Sheet SF502

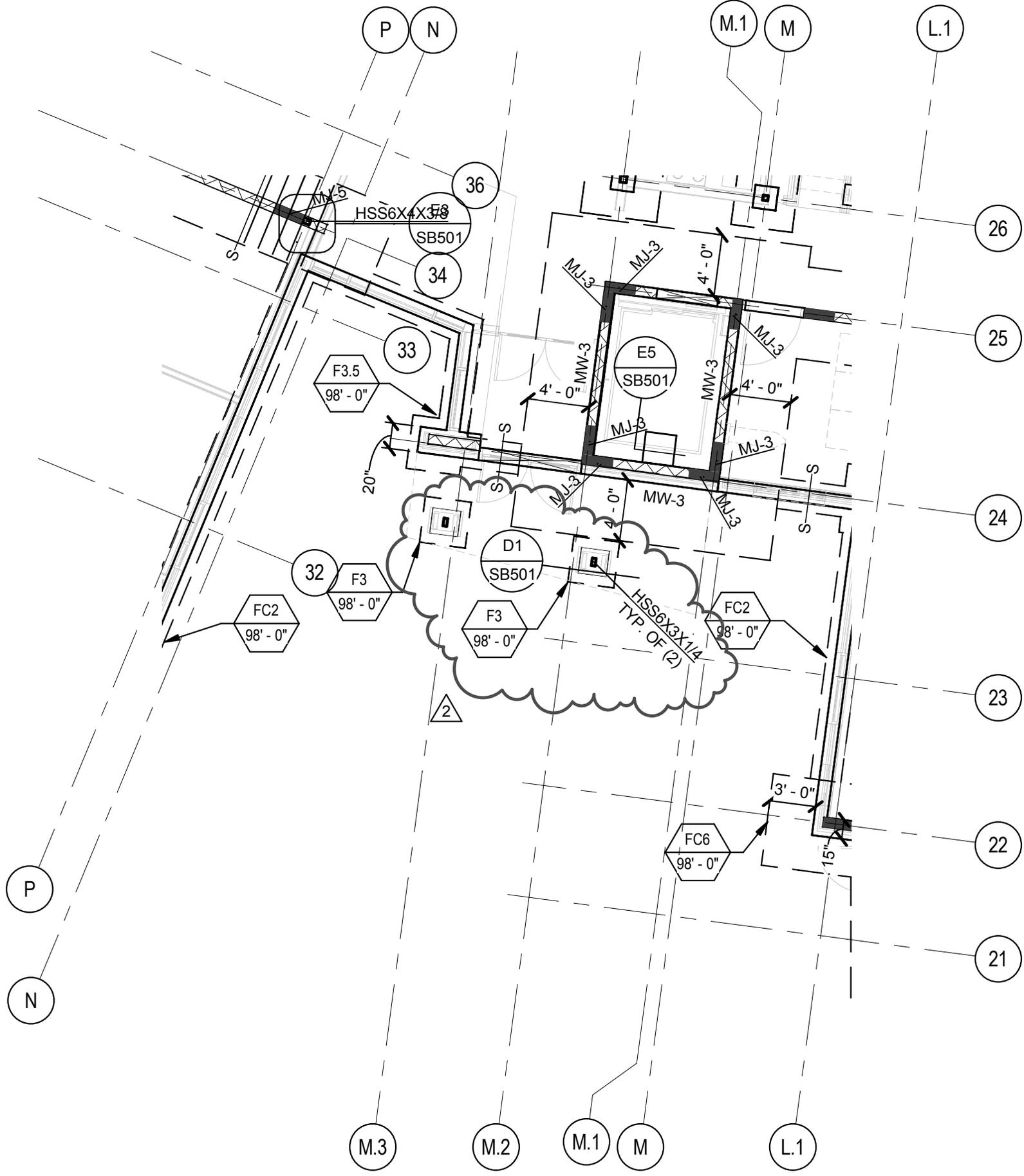
-Detail A1/SF502 has been revised. Please see the attached sheet AD05_S04.

-Detail B5/SF502 has been revised. Please see the attached sheet AD05_S05.

-Detail E5/SF502 has been revised. Please see the attached sheet AD05_S06.

Filing:(x) project file () other

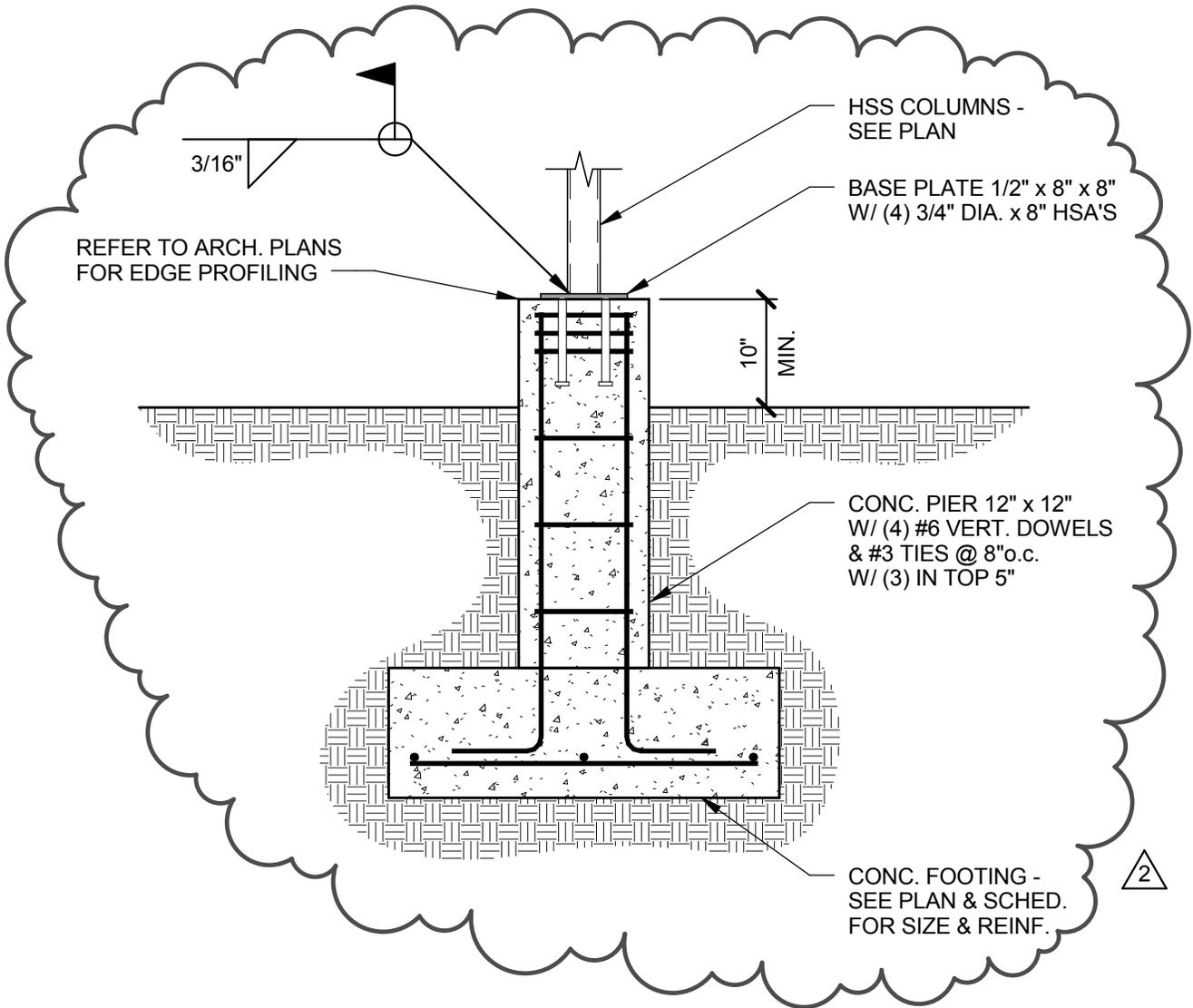
WSU Res. Life Phase 2 Bldg 3_Struct ADD05_050511



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RESIDENTIAL LIFE PHASE II - BLDG 3
 PROJECT NO. 2010543
 DATE:

SHEET NUMBER
AD05_S01
 SHEET REFERENCE
SB101



DETAIL

SCALE : NONE

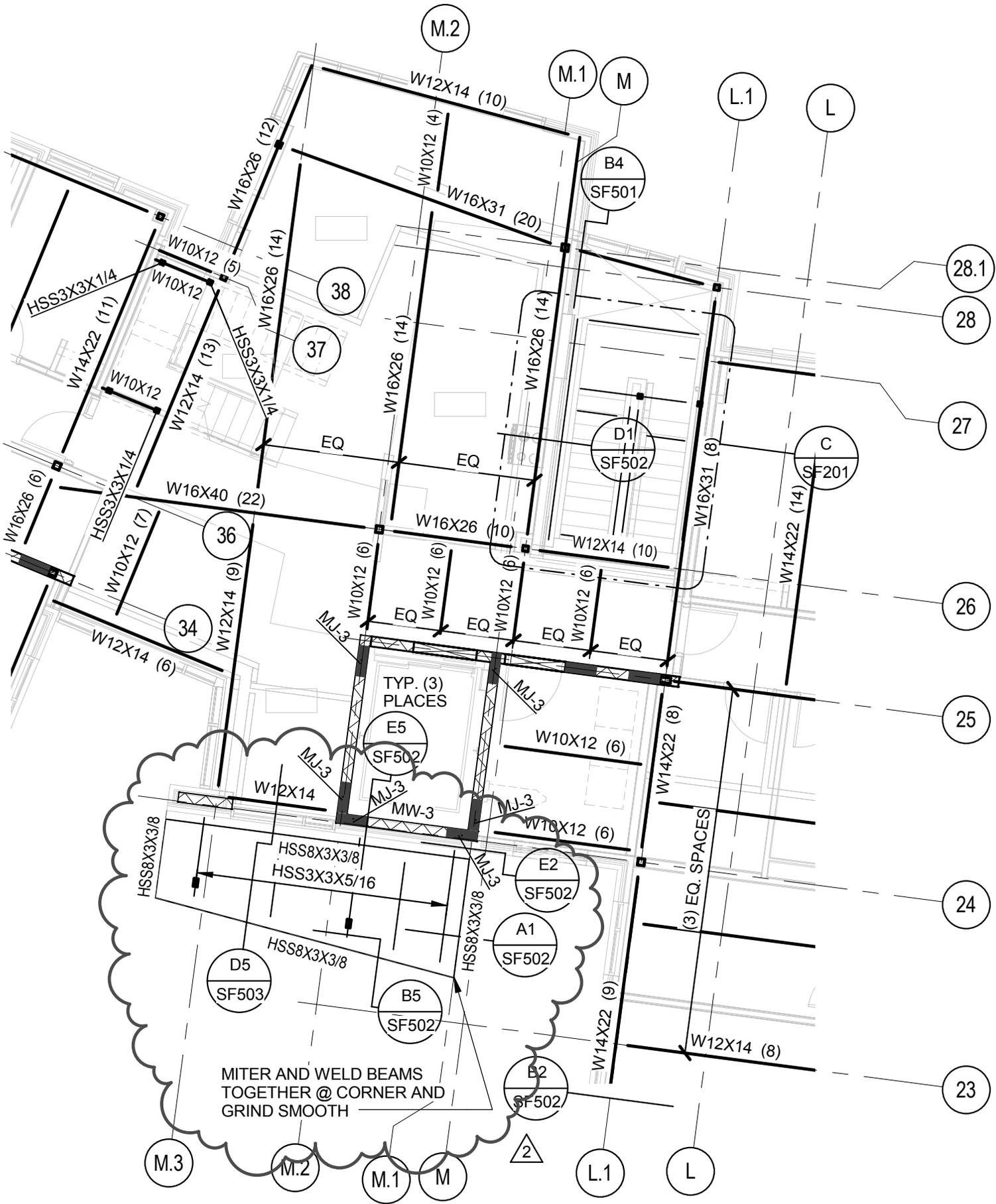
D1
SB501



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 PROJECT NO. 2010543
 DATE: 05/05/2011

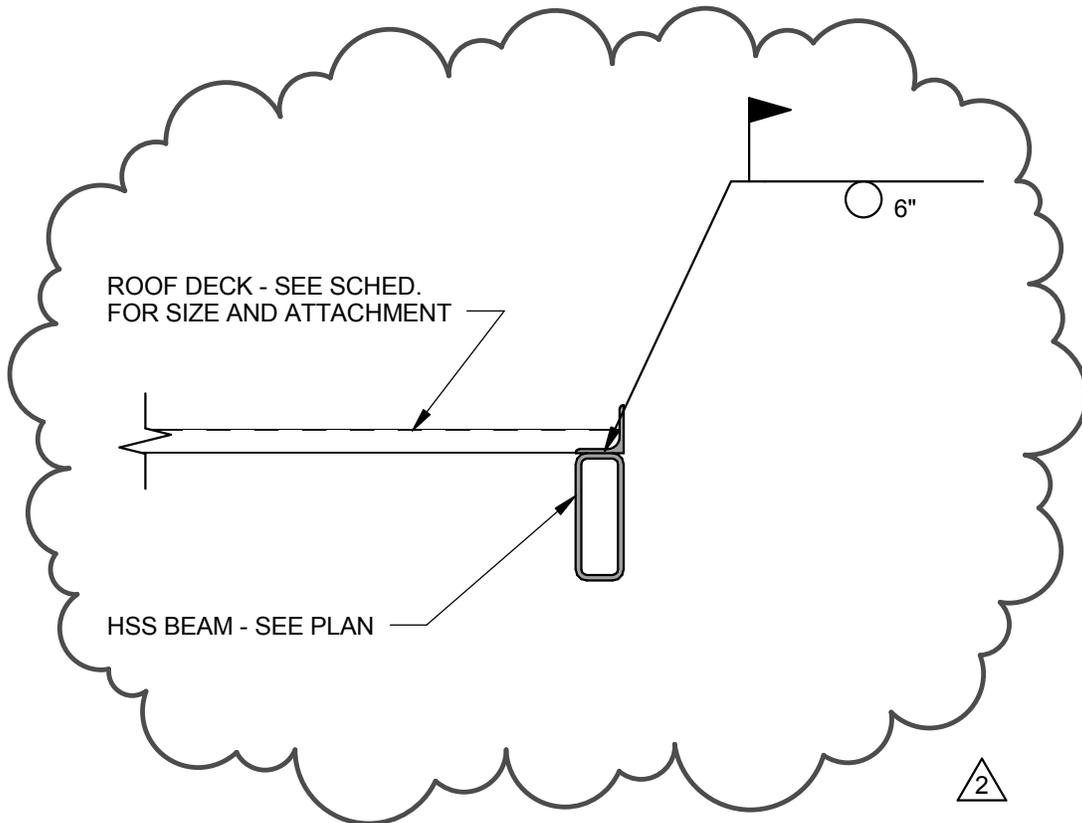
SHEET NUMBER
AD05_S02
 SHEET REFERENCE
 SB501



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 PROJECT NO. 2010543
 DATE:

SHEET NUMBER
AD05_S03
 SHEET REFERENCE
SF102



DETAIL

SCALE : NONE

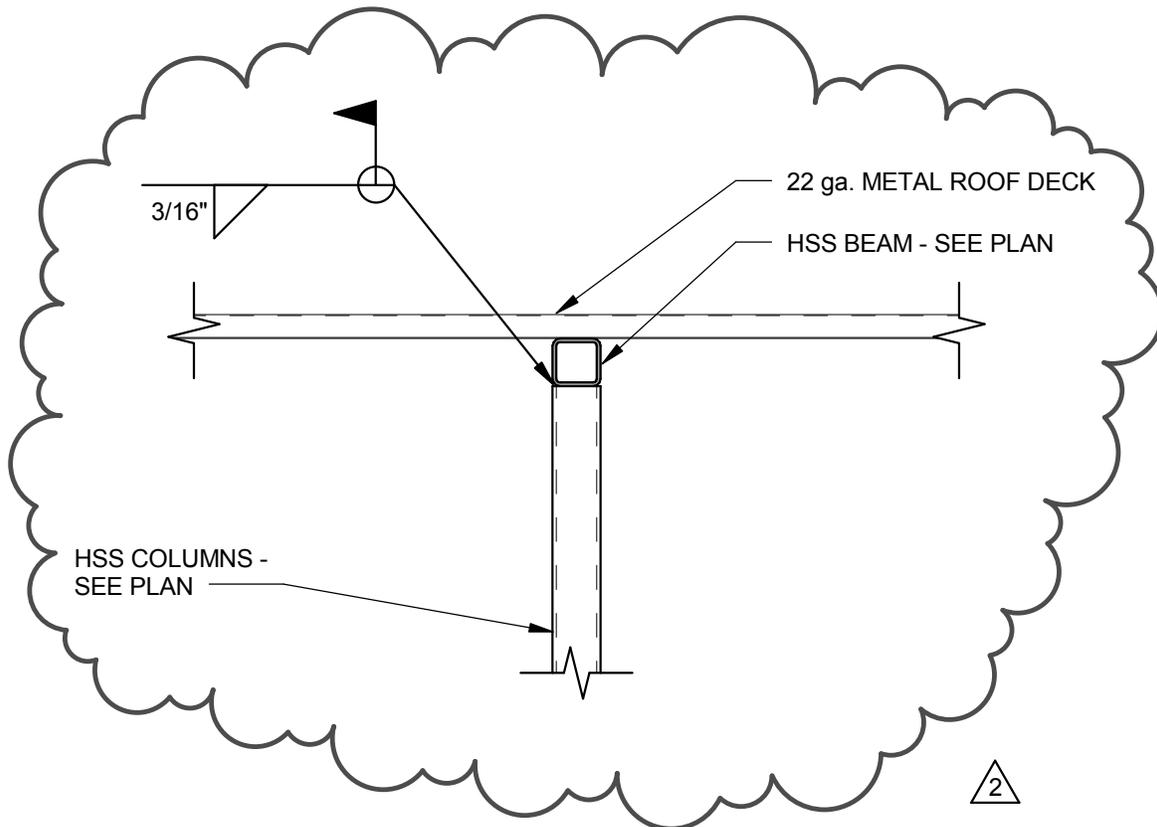
A1
SF502



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 PROJECT NO. 2010543
 DATE: 05/05/2011

SHEET NUMBER
AD05_S04
 SHEET REFERENCE
SF502



DETAIL

SCALE : NONE

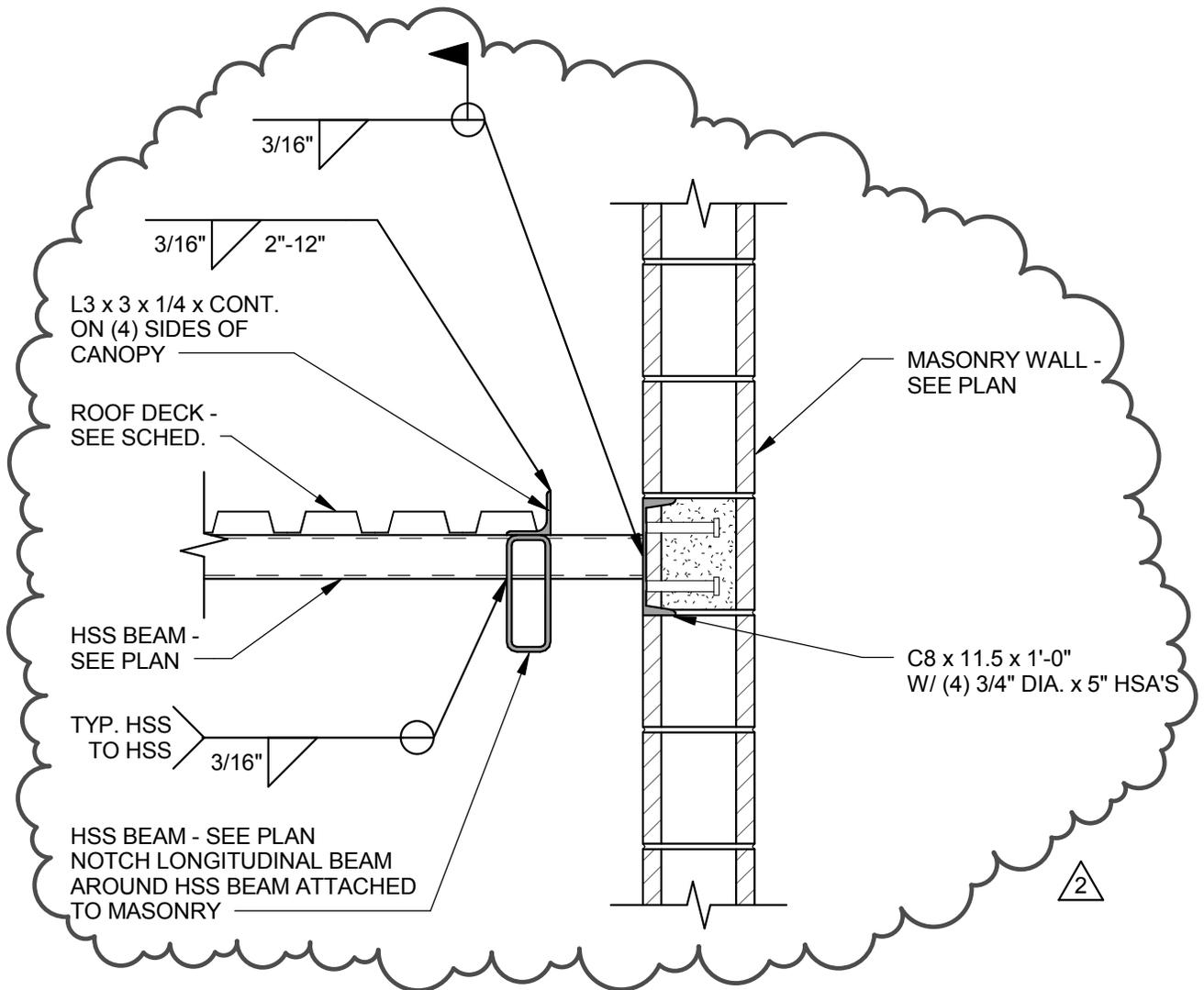
B5
SF502



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PROJECT NO. 2010543
DATE: 05/05/2011

SHEET NUMBER
AD05_S05
SHEET REFERENCE
SF502



DETAIL

SCALE : NONE

E5
SF502



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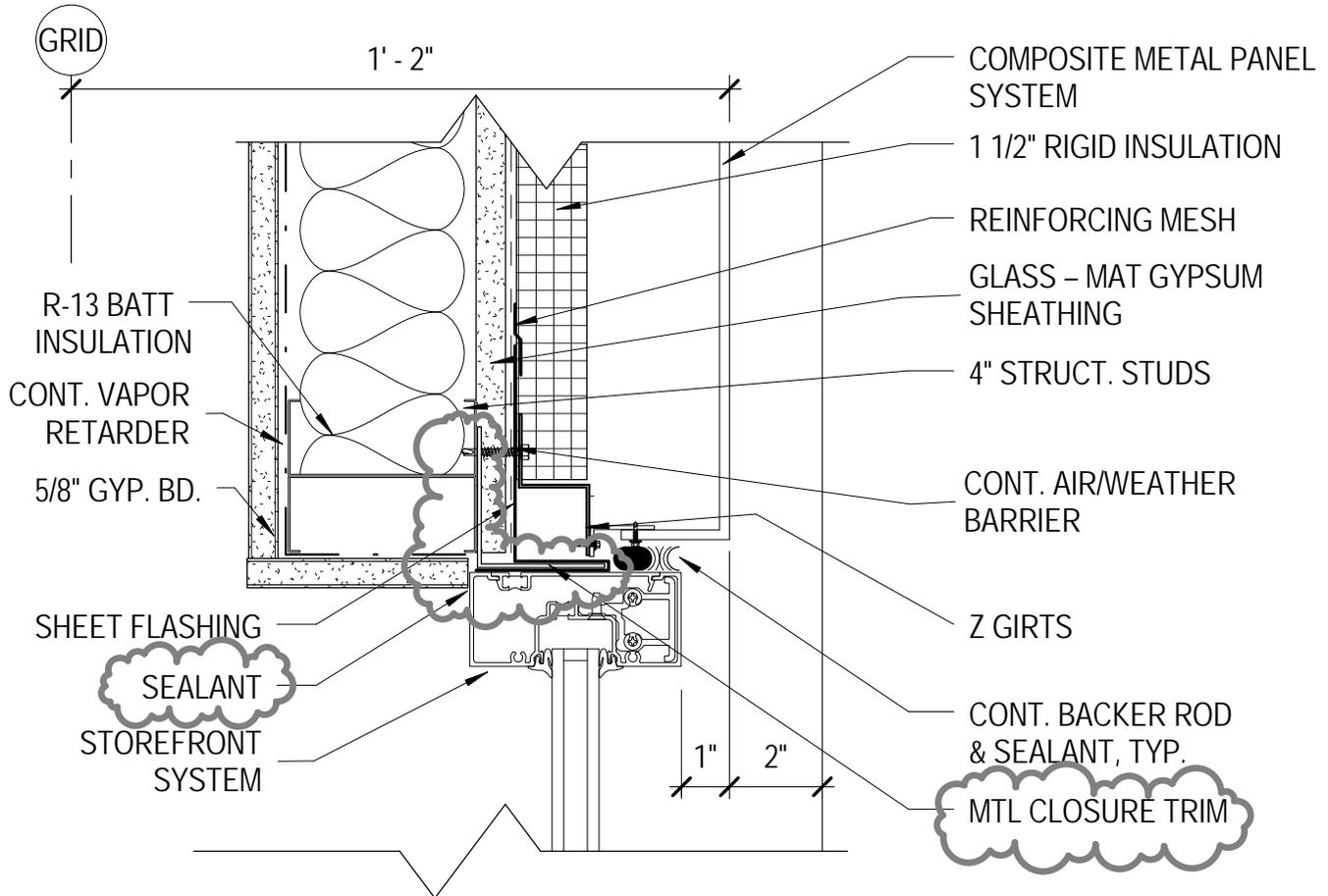
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RESIDENTIAL LIFE PHASE II - BLDG 3

PROJECT NO. 2010543

DATE: 05/05/2011

SHEET NUMBER
AD05_S06
SHEET REFERENCE
SF502



A2

JAMB DETAIL

SCALE: 3" = 1'-0"



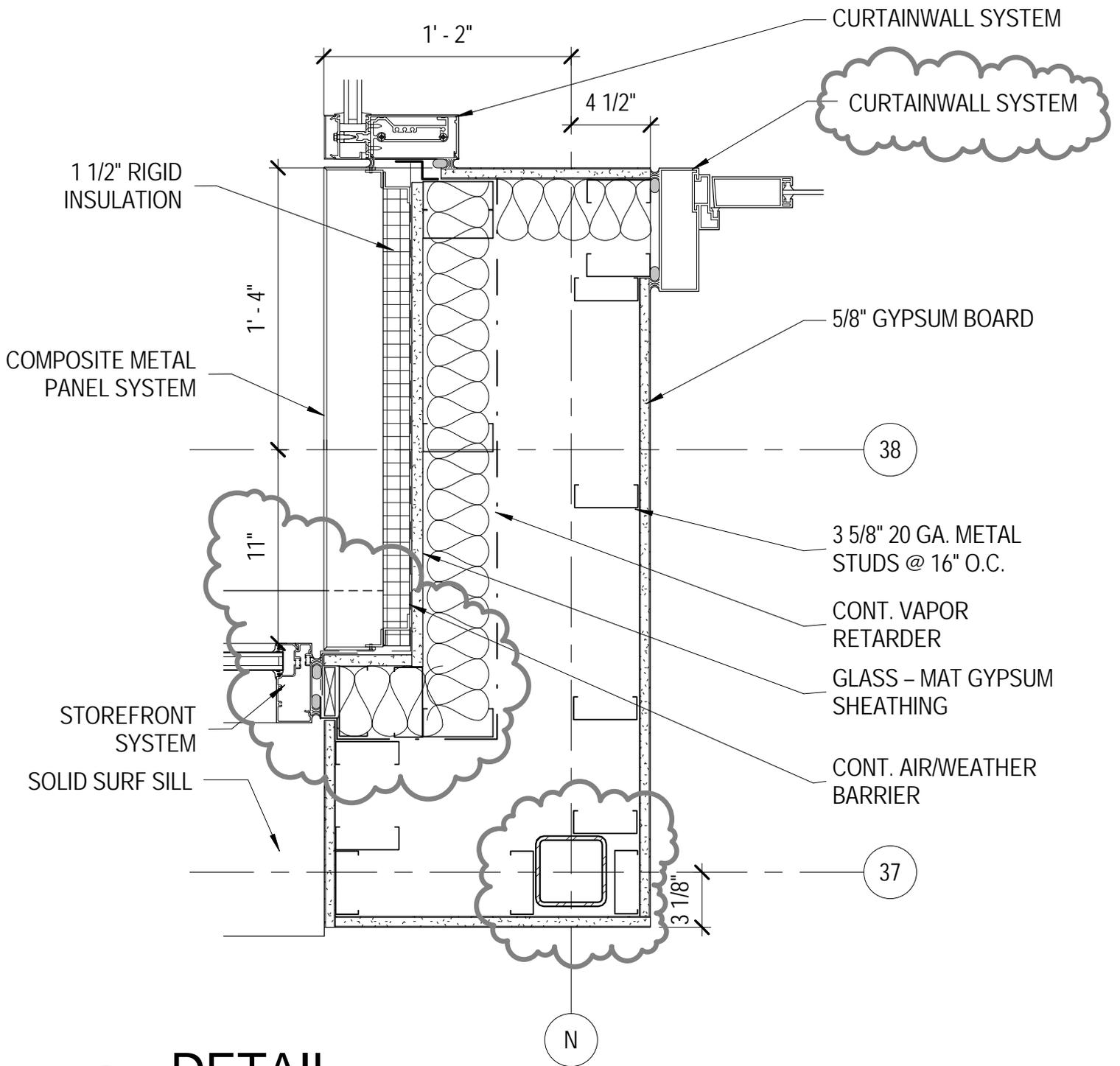
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 RESIDENTIAL LIFE PHASE II - BLDG 3

PROJECT NO. 2010543

DATE: 05 MAY 2011

SHEET NUMBER
AD05_A12
 SHEET REFERENCE
 AE521



DETAIL

C3

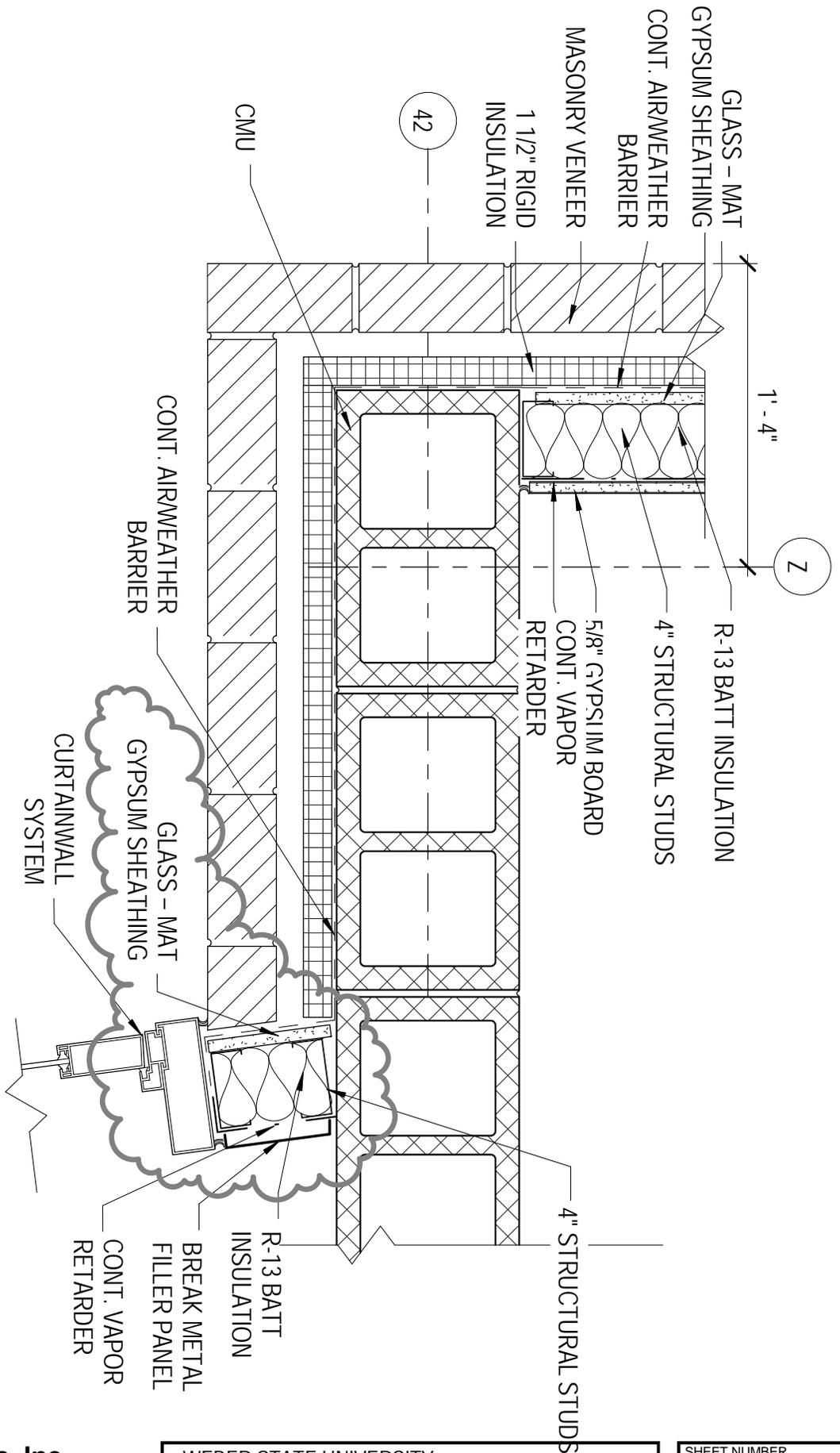
SCALE: 1 1/2" = 1'-0"



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 PROJECT NO. 2010543
 DATE: 05 MAY 2011

SHEET NUMBER
AD05_A13
 SHEET REFERENCE
AE501



B1

DETAIL

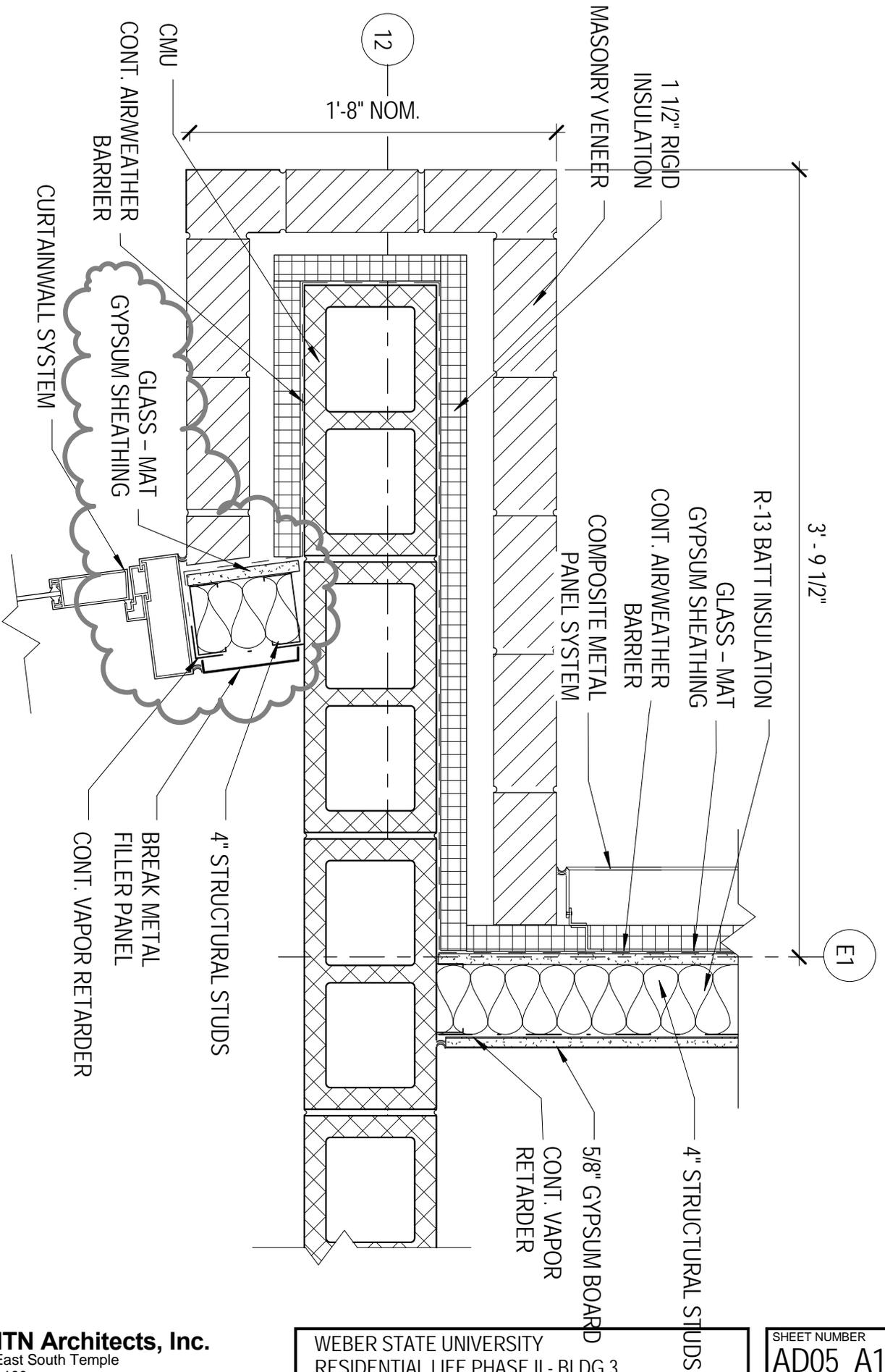
SCALE: 1 1/2" = 1'-0"



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 PROJECT NO. 2010543
 DATE: 05 MAY 2011

SHEET NUMBER
AD05_A14
 SHEET REFERENCE
AE501



B3

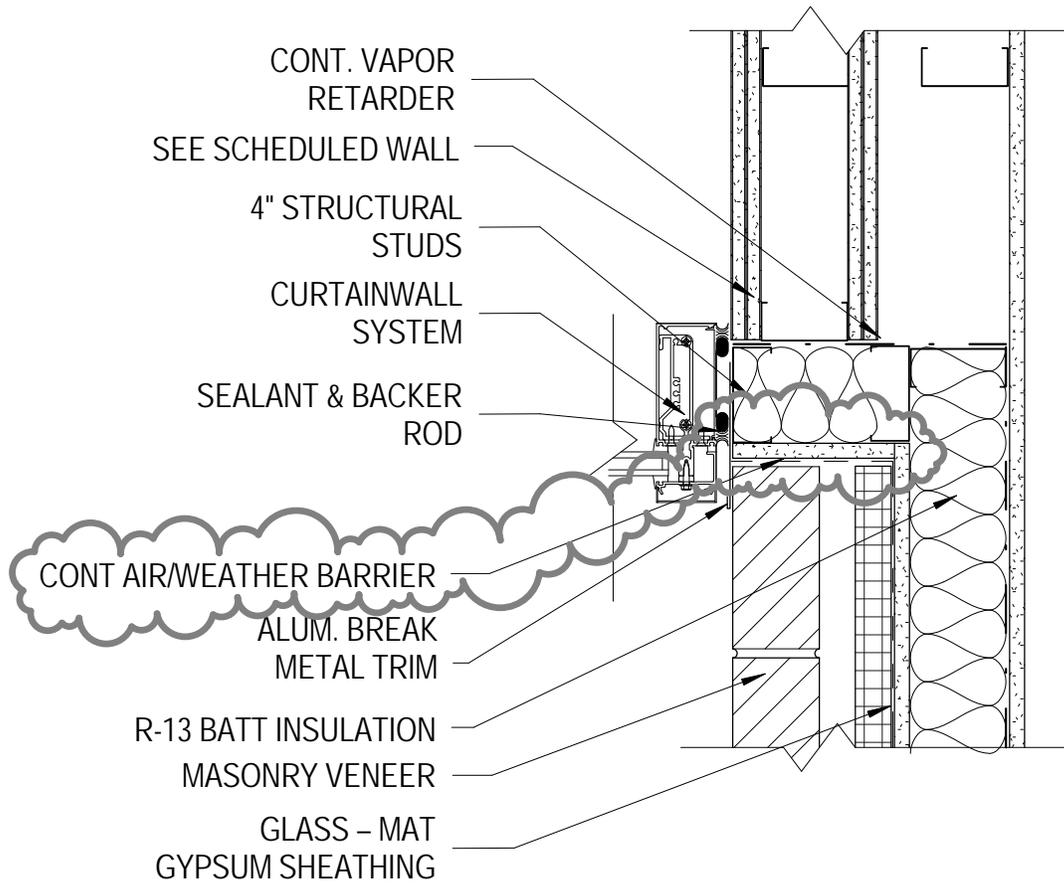
SCALE: 1 1/2" = 1'-0"

DETAIL

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 PROJECT NO. 2010543
 DATE: 05 MAY 2011

SHEET NUMBER
AD05_A15
 SHEET REFERENCE
AE501



DETAIL

A2

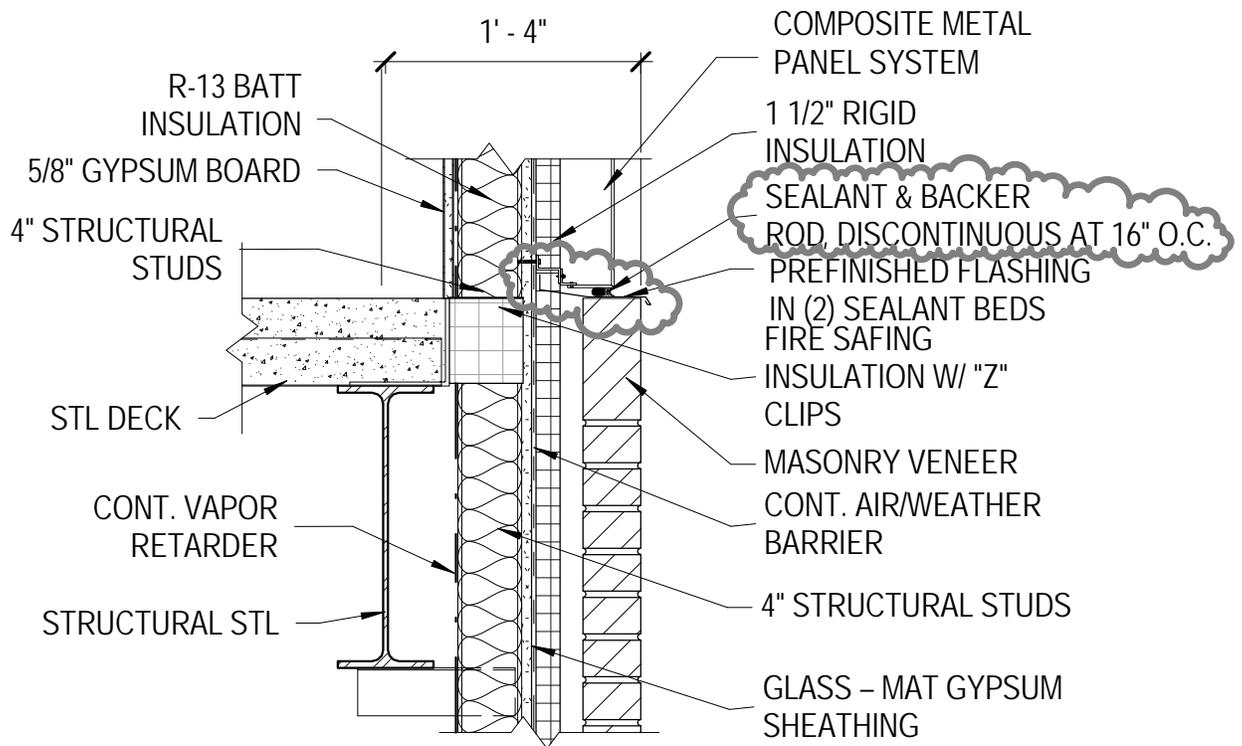
SCALE: 1 1/2" = 1'-0"



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 PROJECT NO. 2010543
 DATE: 05 MAY 2011

SHEET NUMBER
AD05_A16
 SHEET REFERENCE
AE501



B3

SECTION

SCALE: 1" = 1'-0"



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PROJECT NO. 2010543

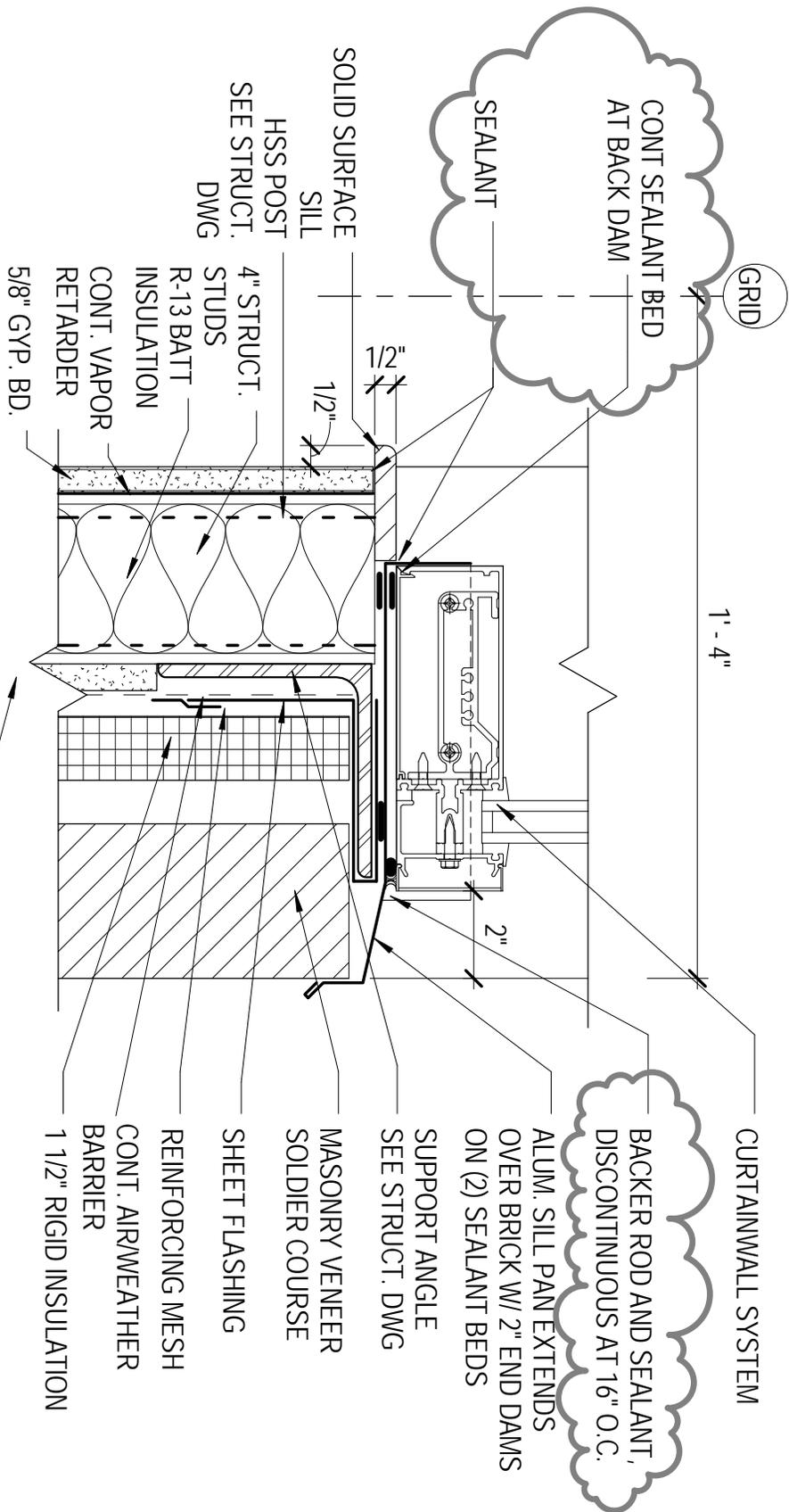
DATE: 05 MAY 2011

SHEET NUMBER

AD05_A17

SHEET REFERENCE

AE503



SILL DETAIL

D1

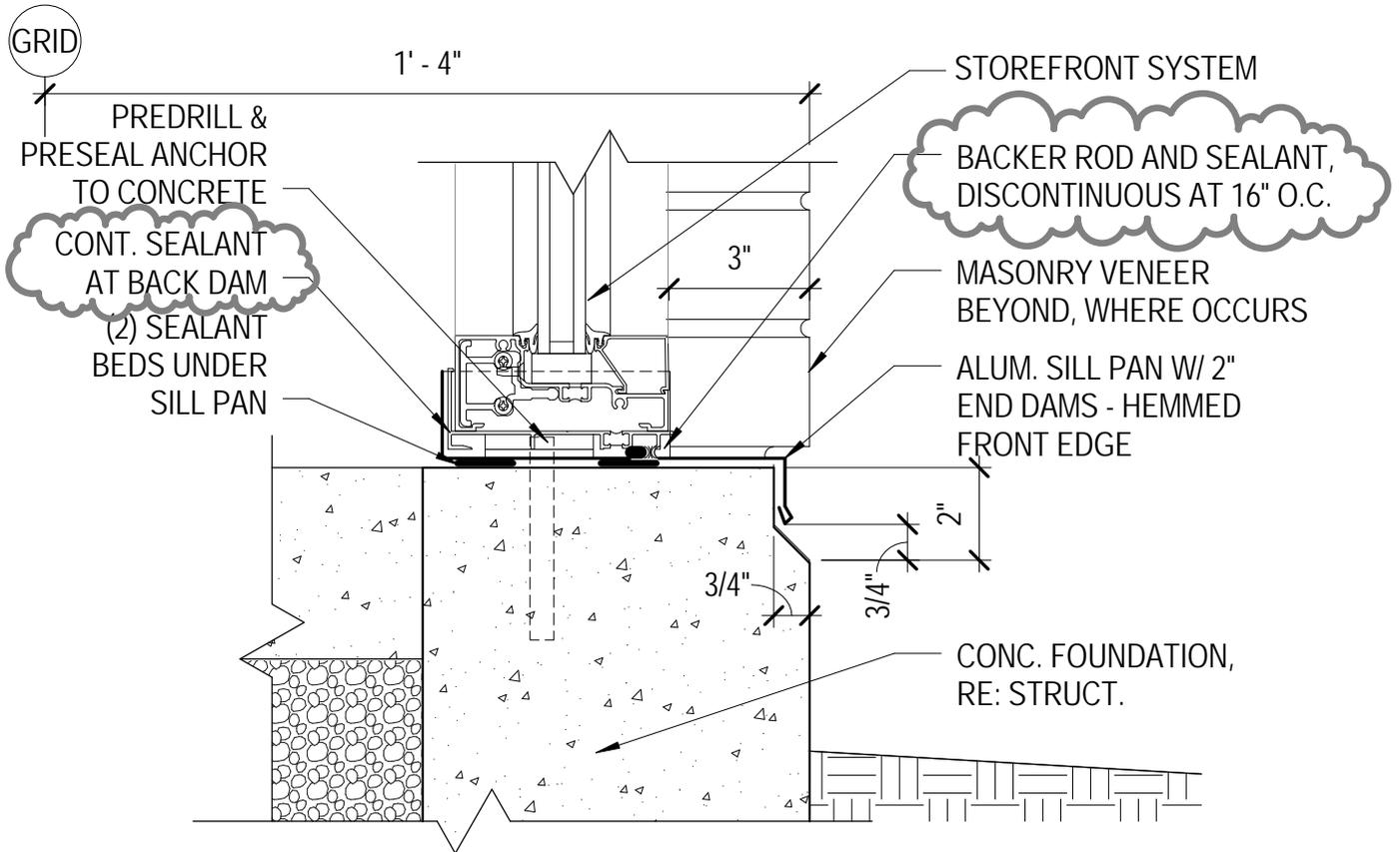
SCALE: 3" = 1'-0"



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 PROJECT NO. 2010543
 DATE: 05 MAY 2011

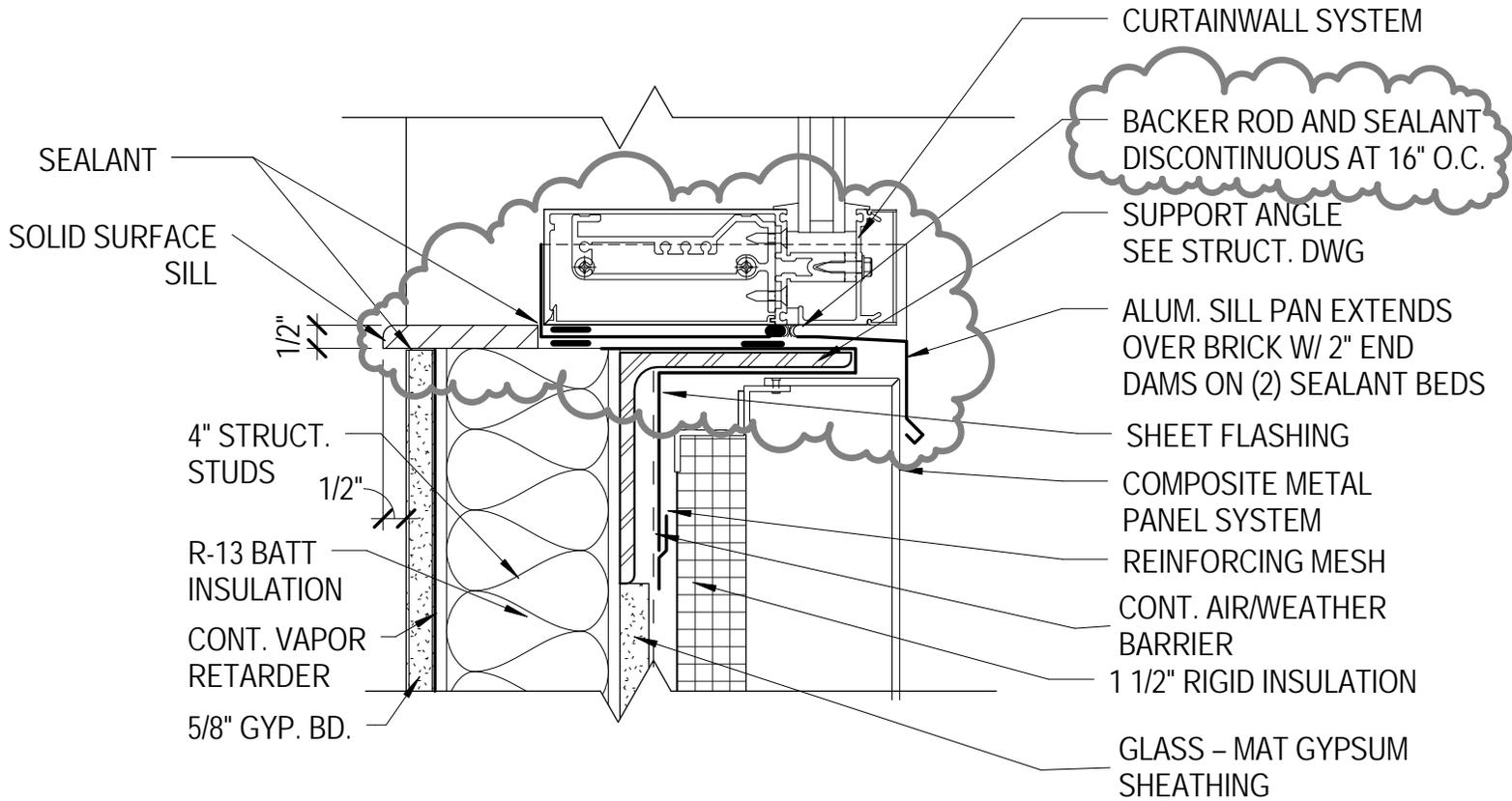
SHEET NUMBER
AD05_A18
 SHEET REFERENCE
AE521



A3

SILL DETAIL

SCALE: 3" = 1'-0"



SILL DETAIL

B3

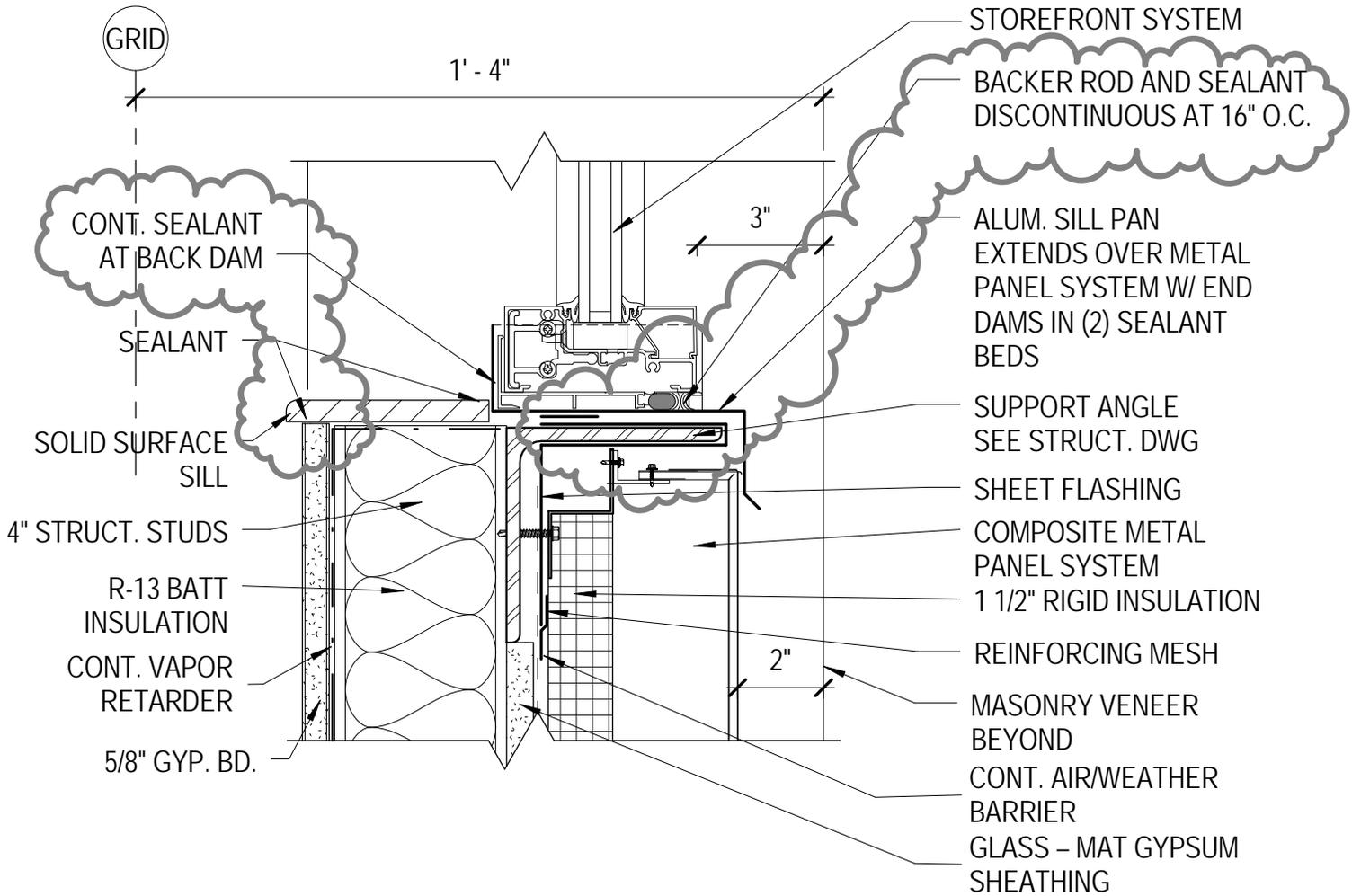
SCALE: 3" = 1'-0"



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 RESIDENTIAL LIFE PHASE II - BLDG 3
 PROJECT NO. 2010543
 DATE: 05 MAY 2011

SHEET NUMBER
AD05_A20
 SHEET REFERENCE
AE521



SILL DETAIL

B2

SCALE: 3" = 1'-0"



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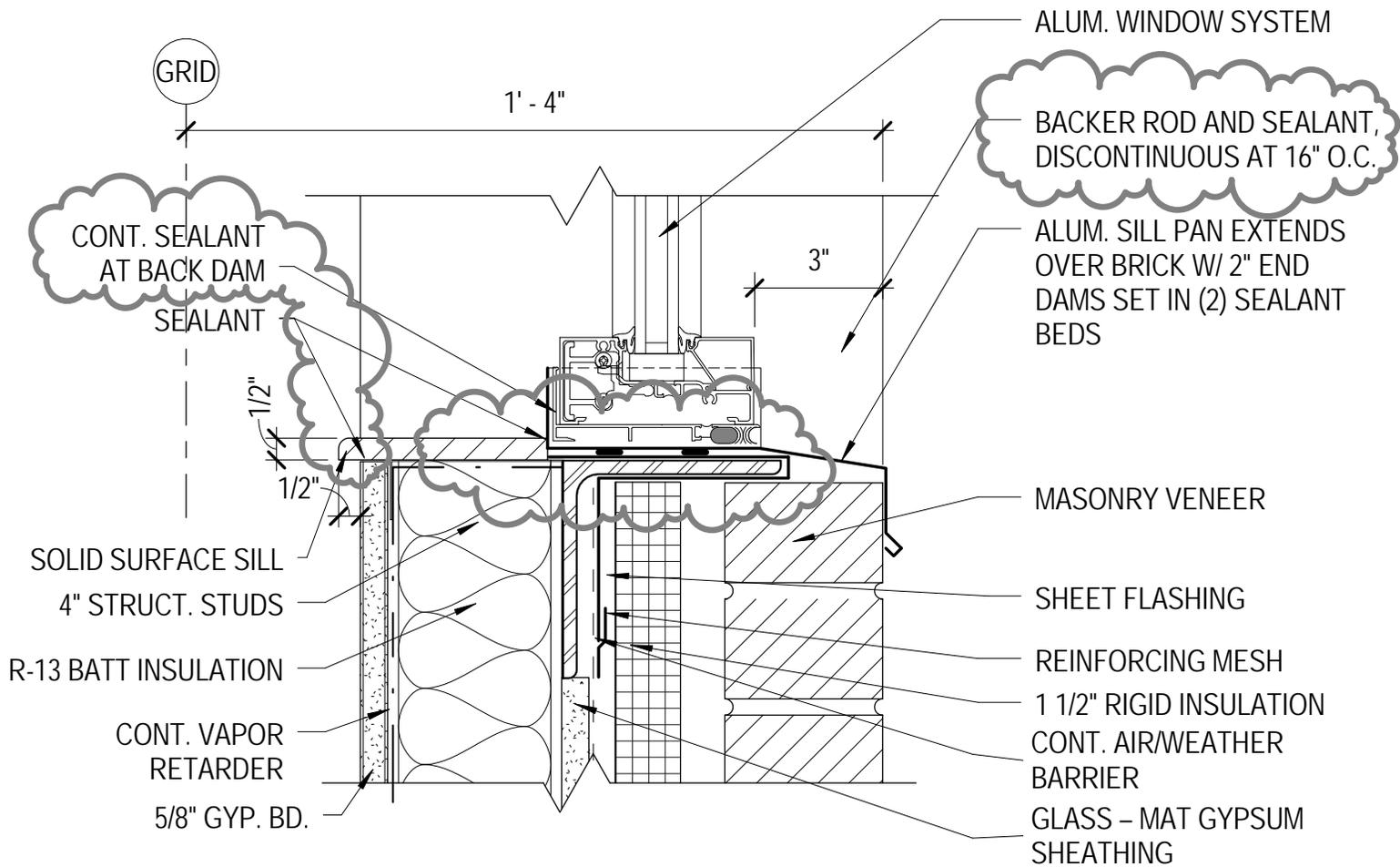
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RESIDENTIAL LIFE PHASE II - BLDG 3

PROJECT NO. 2010543

DATE: 05 MAY 2011

SHEET NUMBER
AD05_A21
SHEET REFERENCE
AE521



SILL DETAIL

B1

SCALE: 3" = 1'-0"



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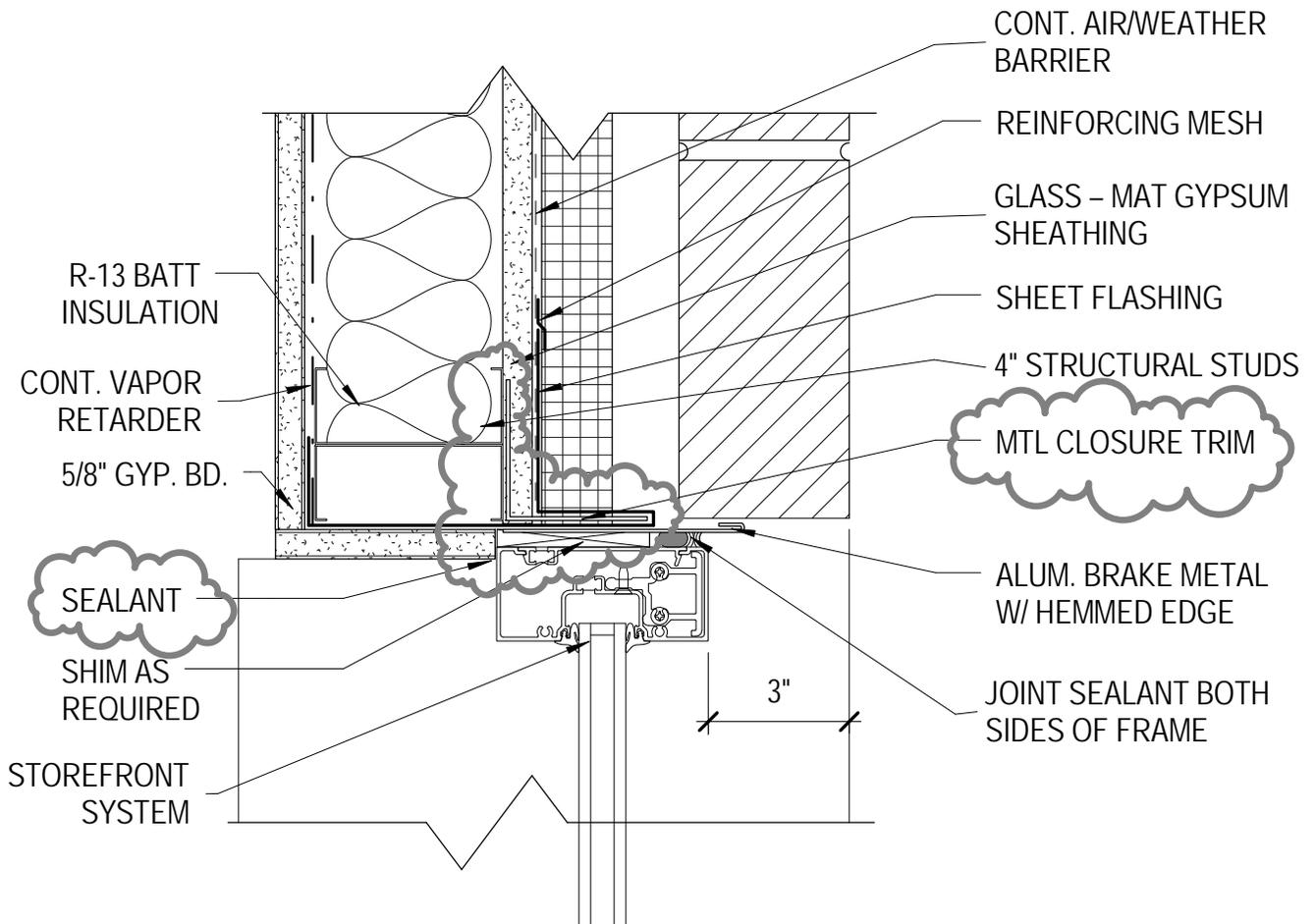
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RESIDENTIAL LIFE PHASE II - BLDG 3

PROJECT NO. 2010543

DATE: 05 MAY 2011

SHEET NUMBER
AD05_A22
SHEET REFERENCE
AE521



JAMB DETAIL

A1

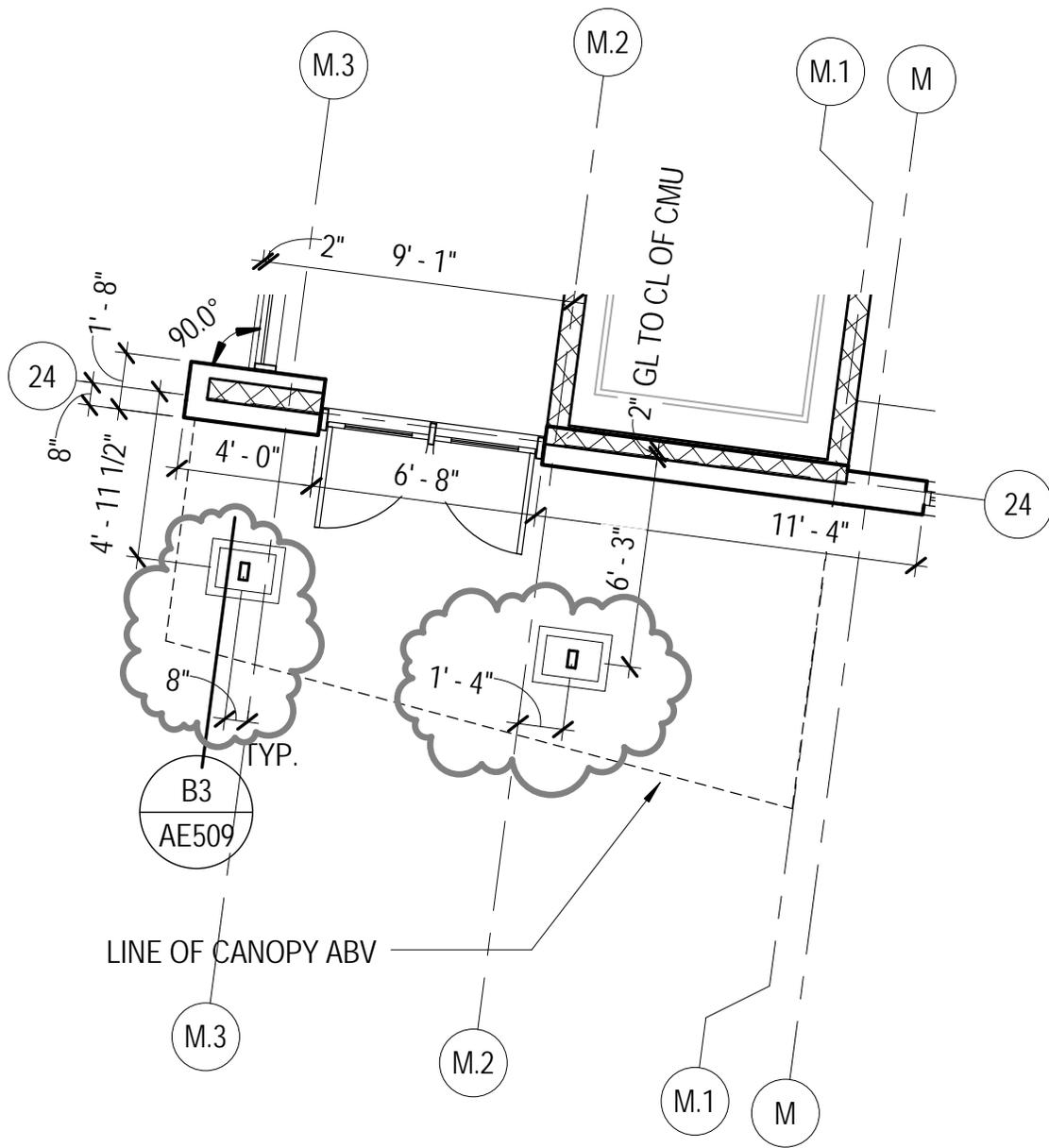
SCALE: 3" = 1'-0"



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 PROJECT NO. 2010543
 DATE: 05 MAY 2011

SHEET NUMBER
AD05_A23
 SHEET REFERENCE
 AE521



1

LEVEL 1 - LAYOUT PLAN (PARTIAL)

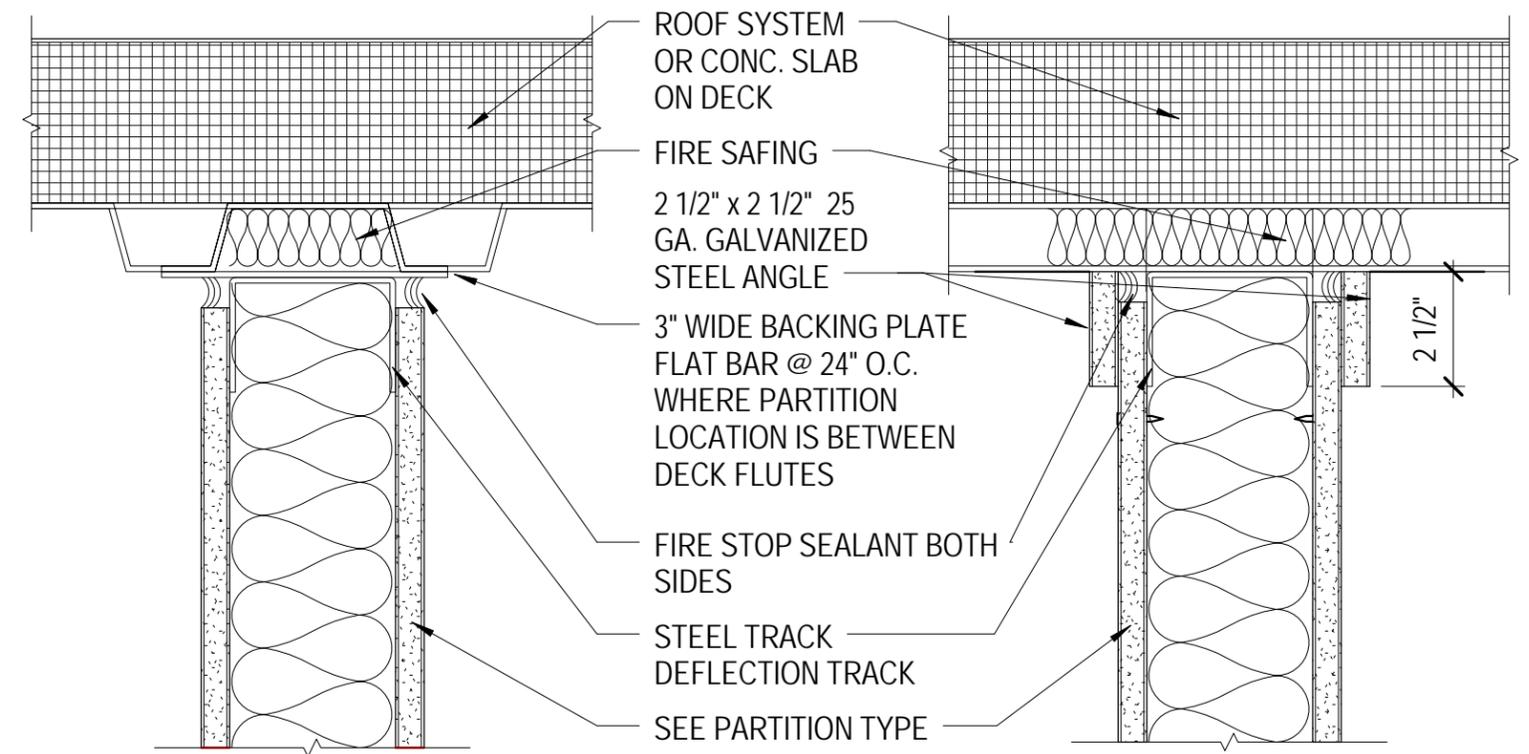
SCALE: 3/16" = 1'-0"



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 PROJECT NO. 2010543
 DATE: 05 MAY 2011

SHEET NUMBER
AD05_A24
 SHEET REFERENCE
 AE100B



WALL PARALLEL W/ DECK FLUTES

WALL PERPENDICULAR TO DECK

A3

DETAIL

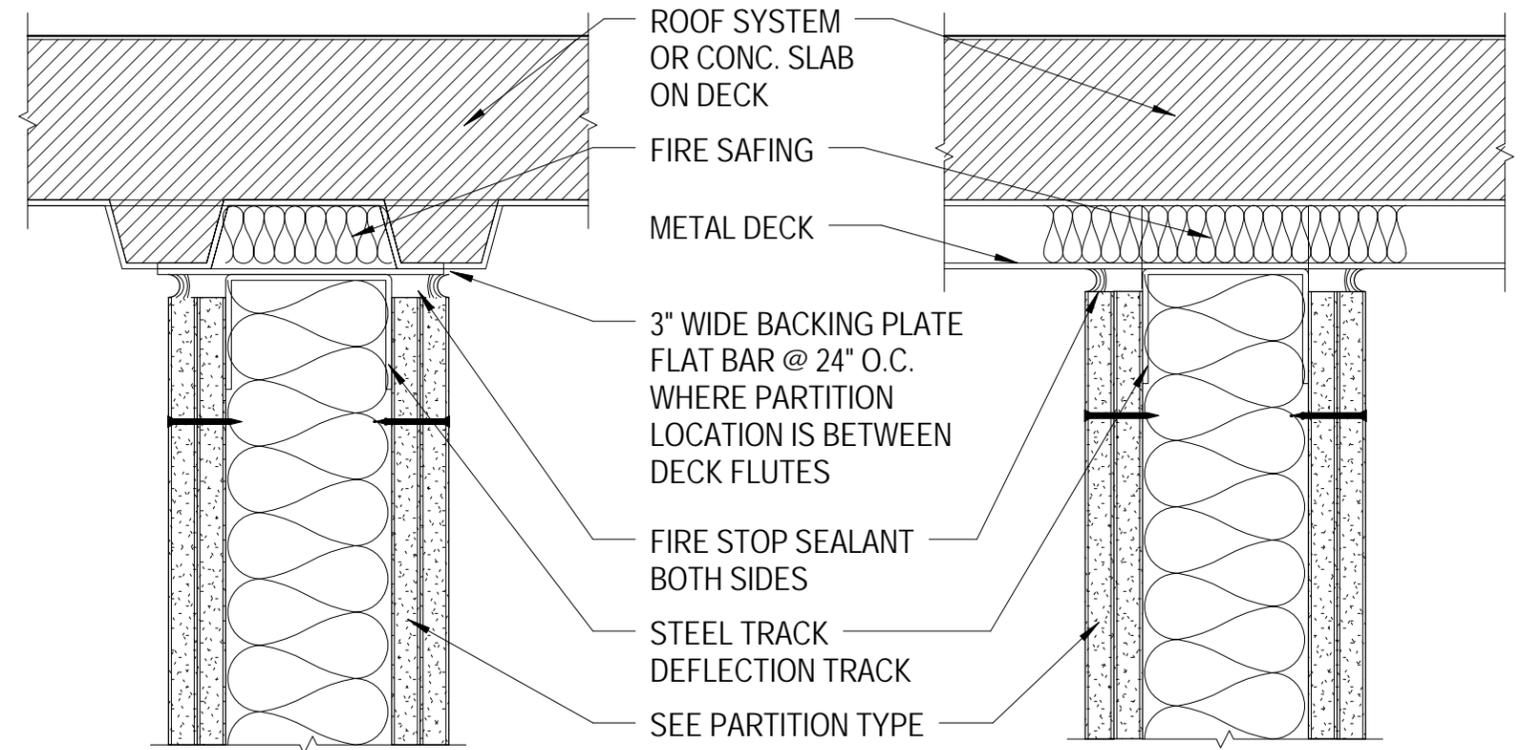
SCALE: 3" = 1'-0"



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WEBER STATE UNIVERSITY
 RESIDENTIAL LIFE PHASE II - BLDG 3
 PROJECT NO. 2010543
 DATE: 05/05/11

SHEET NUMBER
AD05-A25
 SHEET REFERENCE
 AE601



WALL PARALLEL W/ DECK FLUTES

WALL PERPENDICULAR TO DECK

A4

DETAIL

SCALE: 3" = 1'-0"

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 RESIDENTIAL LIFE PHASE II - BLDG 3
 PROJECT NO. 2010543
 DATE: 05/05/11

SHEET NUMBER
AD05-A26
 SHEET REFERENCE
 AE601



MHTN PROJECT NO. 2010543
 DRAWN BY: PAL/RK CHECKED BY: MG

NO.	DATE	DESCRIPTION
01	14 APR 2011	CONSTRUCTION DOCUMENTS

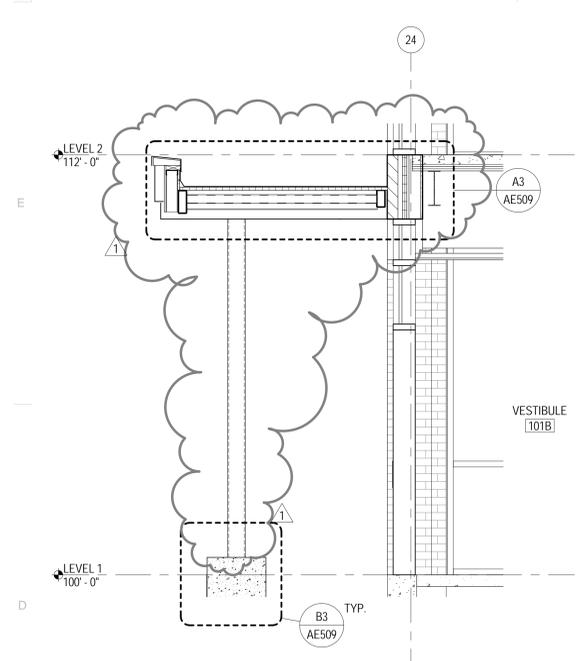
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION	APPROVED BY
1	05 MAY 2011	REVISION 1.5	

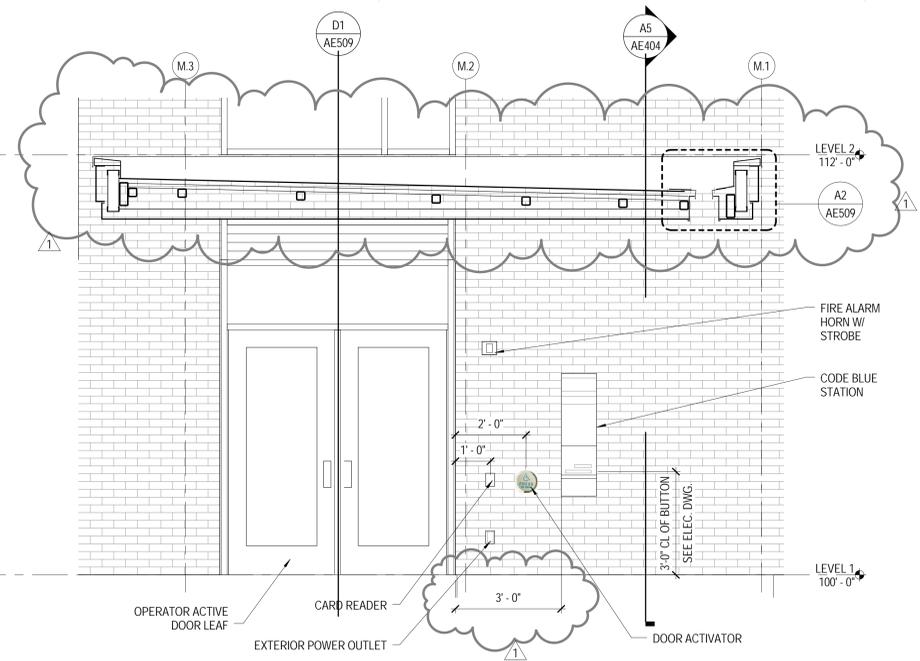
CANOPY PLAN & DETAILS

CONSTRUCTION DOCUMENTS
 14 APRIL 2011

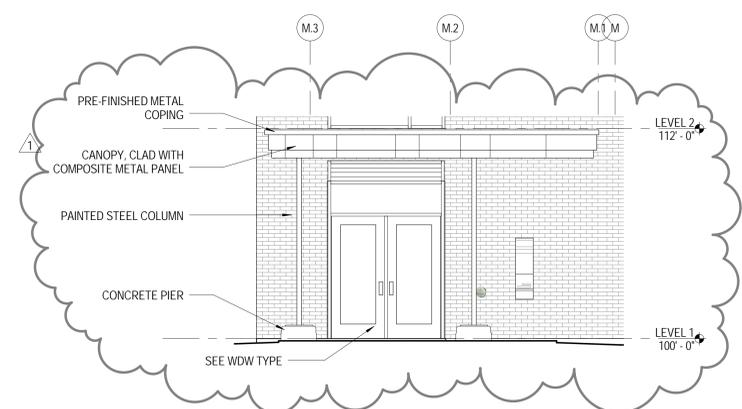
AE509



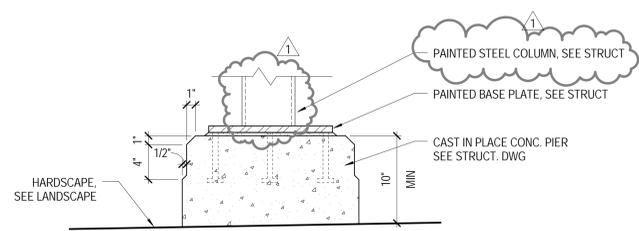
D1 SECTION
 SCALE: 1/2" = 1'-0"



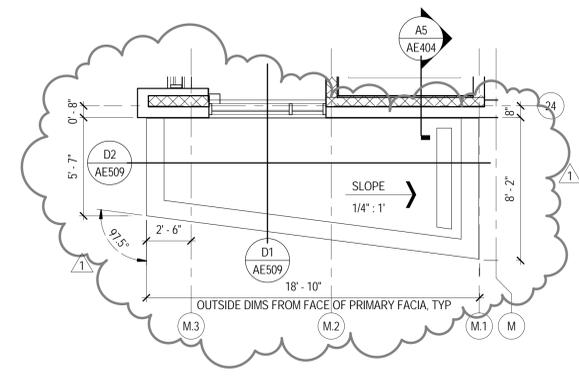
D2 SECTION
 SCALE: 1/2" = 1'-0"



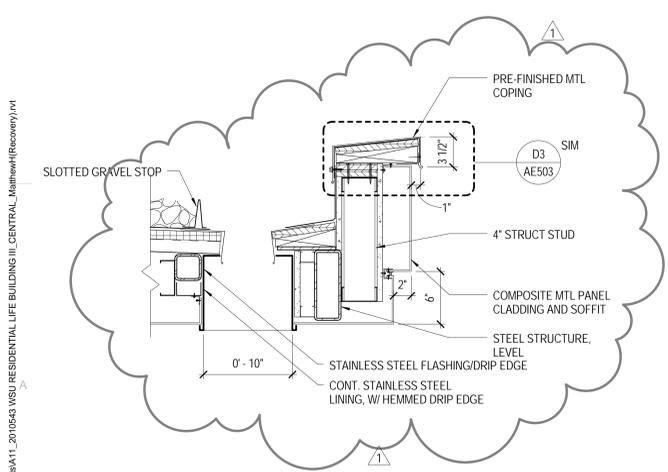
D4 DETAIL ELEVATION - CANOPY
 SCALE: 1/4" = 1'-0"



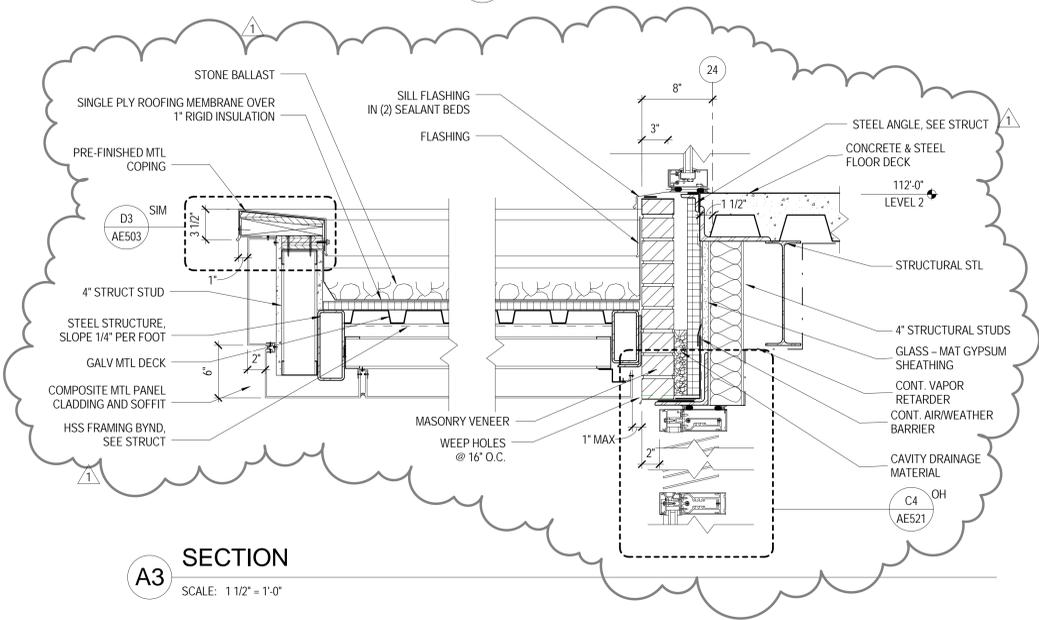
B3 SECTION
 SCALE: 1 1/2" = 1'-0"



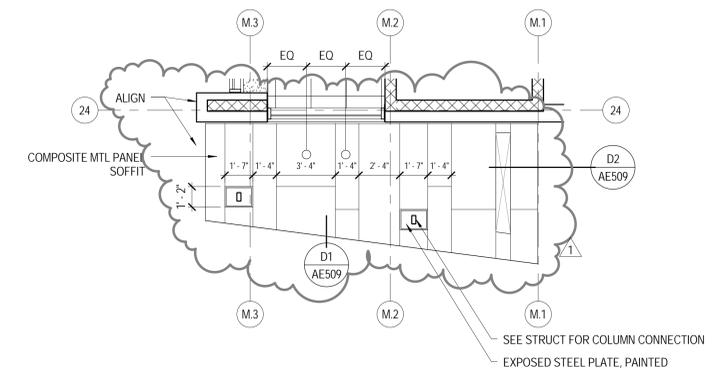
B4 CANOPY ROOF PLAN
 SCALE: 1/4" = 1'-0"



A2 SECTION
 SCALE: 1 1/2" = 1'-0"



A3 SECTION
 SCALE: 1 1/2" = 1'-0"



SEE AE100B FOR COLUMN LOCATIONS
A4 CANOPY CEILING PLAN
 SCALE: 1/4" = 1'-0"

C:\Users\Bandy\Documents\A1_2010543 WSU RESIDENTIAL LIFE BUILDING III_CENTRAL_Main\mhtn\Recovery.rvt
 5/5/2011 12:29:00 PM

MECHANICAL ADDENDUM NO. 5

WSU Residential Life Phase II Prg/Design Bldg. 3

CEA PROJECT NO. 2010-074.00

May 5, 2011

All contractors submitting proposals for this project shall be governed by the following addendum, changes, and explanations to the bidding documents. Bids shall be submitted in accordance with the following:

Item No.	Add, Delete or Clarify	Specification Section or Drawing No.	Reference / Description:
1	ADD	230529	Add Spec. section 230529, 2.5, A, #6 (Provide detail of proposed hanging and attachment methods for review before any installation begins.)
2	ADD	MH501	Add strap hanger with screw see detail 4/MH501. Add filter box with piano hinge and sash locks see detail 7/MH501. See attached drawings ADD 5.0 and ADD 5.01.
3	CLARIFY	MH001	Identify abbreviation SLD as slab land drain.
4	CLARIFY	PL101 and PL401	Relocated gas meter to West side of building and routed associated piping to coordinate with new location. See attached drawings ADD 5.2, ADD 5.3 and ADD 5.4.

PRODUCT SUBSTITUTIONS / PRIOR APPROVALS

Product Type	Alternate Manufacturers
Fire Sprinkler Contractor	Quality Fire Protection, Inc.
Ceiling Slot Diffusers, Wall Registers & Grilles, Gravity Roof Hoods	Carnes
Floor drains, Hydrants, Water Hammer Arrestors, Trap Primers	Mifab
Heat Pumps	Geofinity
Heat Exchanger (HX-2)	Lochinvar, HTPProducts
Boiler Storage Tank	Lochinvar, HTPProducts
Water Heater	Lochinvar
Storage Tank	Lochinvar, Riverside Hydronics
Solar Collectors	Lochinvar by TiSun, Cinco Solar
Solar Water Pump	Flo Fab, Cinco Solar

I:\PROJECTS\2010 Projects\2010-074.00 WSU Housing Phase II\Addenda\Mechanical Addendum #5 Bldg. 3.docx

Solar Air Separator	Flo Fab, Cinco Solar
Air Separator	Wheatley
Pumps and Specialties	Paco/Grundfos
Heat Exchanger (HX-1)	Flo Fab, Polaris
Expansion Tanks	Flo Fab, Wessels/Flexcon
Domestic Circ. Pumps	Flo Fab
Domestic Expansion Tanks	Flo Fab, Elbi
Gas Regulators	Governor
Pump Suction Diffusers, Triple Duty Valves, Pressure Gauges, Thermometers, Airtrol Fittings, Flex Connectors, Y-Strainers, Manual Air Vents, Auto Air Vents	Flo Fab
Shower/Tub	Symmoms
Toilet Seats	Comfort
Water Softener	Pacific
VFD Controllers	Grundfos
Balancing Valves	Danfoss, Nexus Valve
Flexible Pump Connectors	Twin City Hose
Boilers	Mestek, KN/RBI

The above named alternate equipment manufacturers stand approved in name only. Approval here in no way relieves the supplier from complying with all other engineering, weight spatial, and quality requirements of equipment indicated in the contract documents. Contractors using products from the above named alternate manufacturers shall refer to Specification Section 15010 for detailed contractor responsibilities related to the use of alternate brands not used as the Basis of Design.

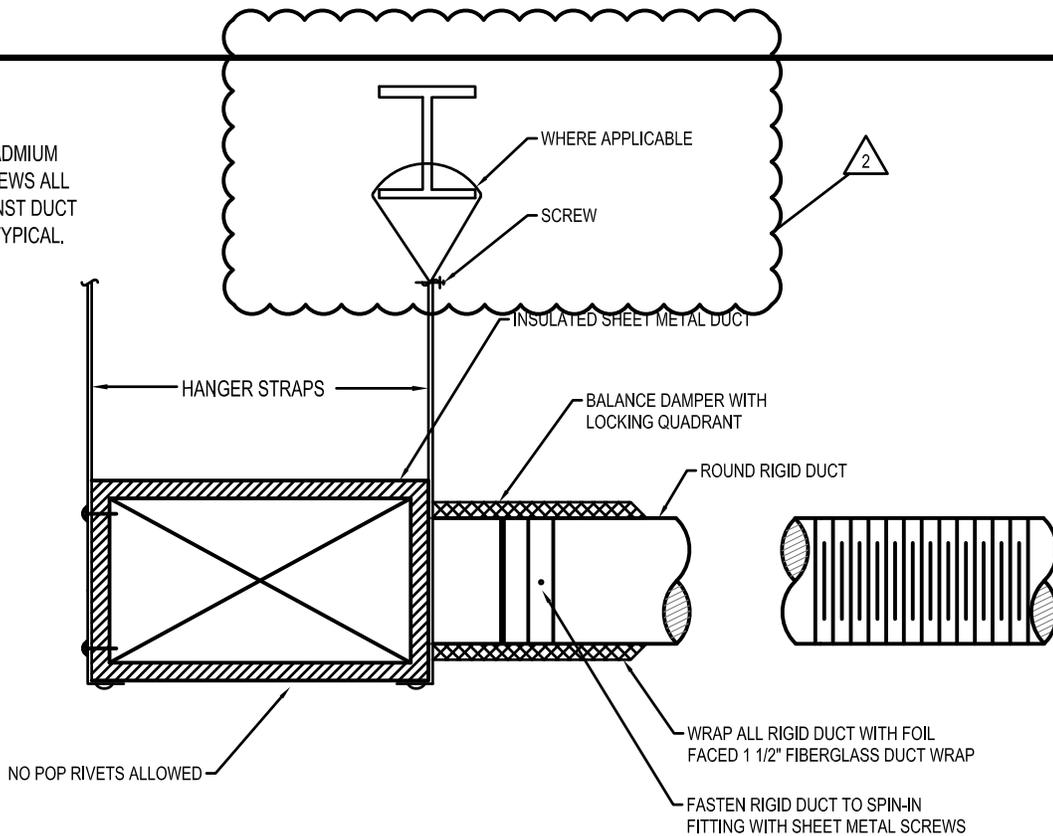
END OF ADDENDUM NO. 5

1

SIDE BY SIDE FLEX TO RIGID DUCT DETAIL (SIMILAR FOR CIRCLE DUCT)

NO SCALE

#10 X 3/4" SELF TAPPING CADMIUM PLATED SHEET METAL SCREWS ALL STRAPS TO BE TIGHT AGAINST DUCT AND SUPPORT MEMBERS, TYPICAL.

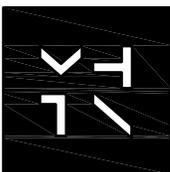


15880/23310

4

FLEX DUCT/SPIN-IN FITTING

NO SCALE



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WEBER STATE UNIVERSITY
RESIDENTIAL LIFE PHASE II - BLDG 3

PROJECT NO. 11008810

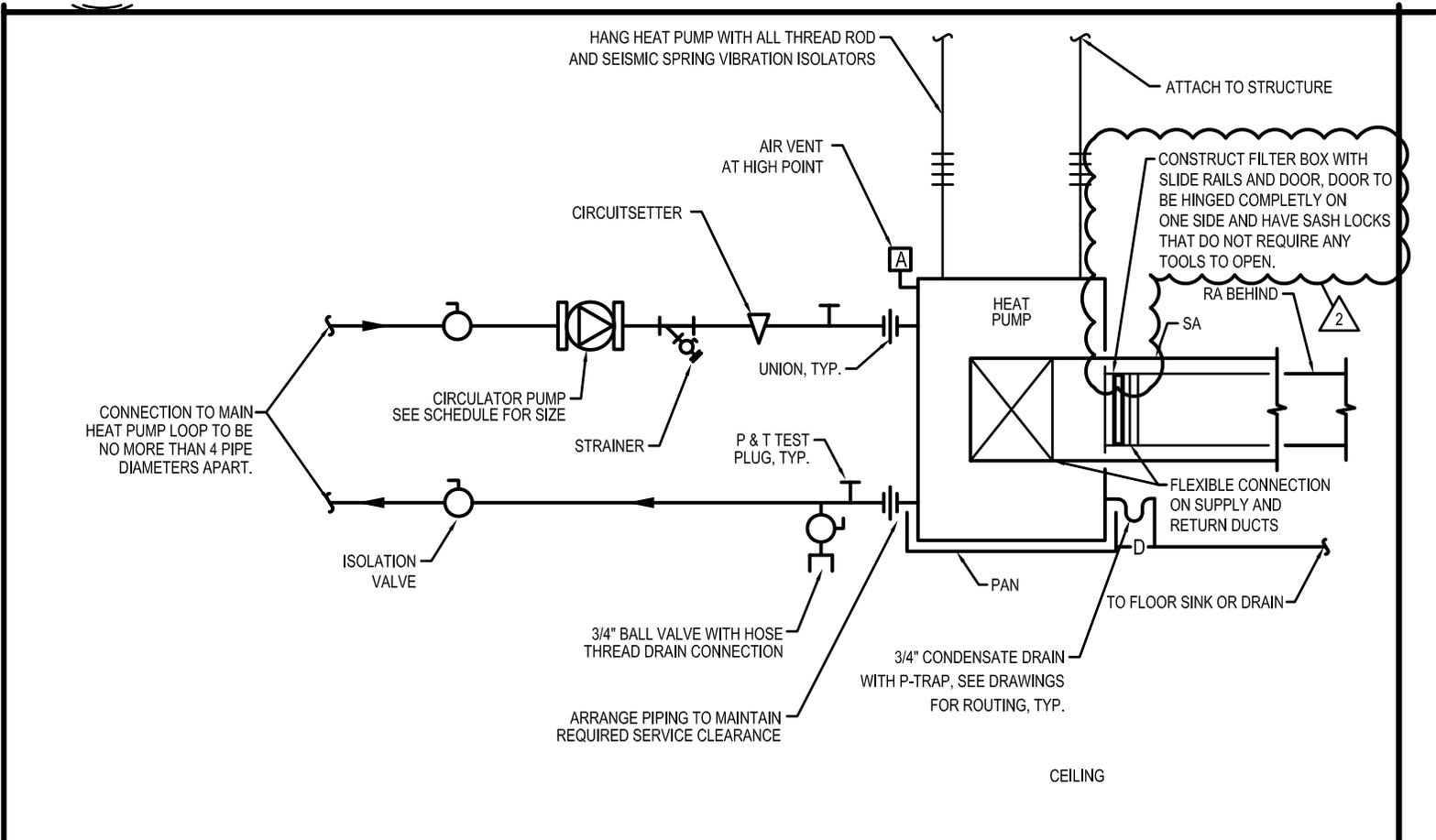
DATE: 05/03/11

SHEET NUMBER

ADD 5.0

SHEET REFERENCE

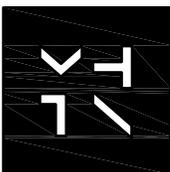
MH501



7

ABOVE CEILING HEAT PUMP PIPING PLAN

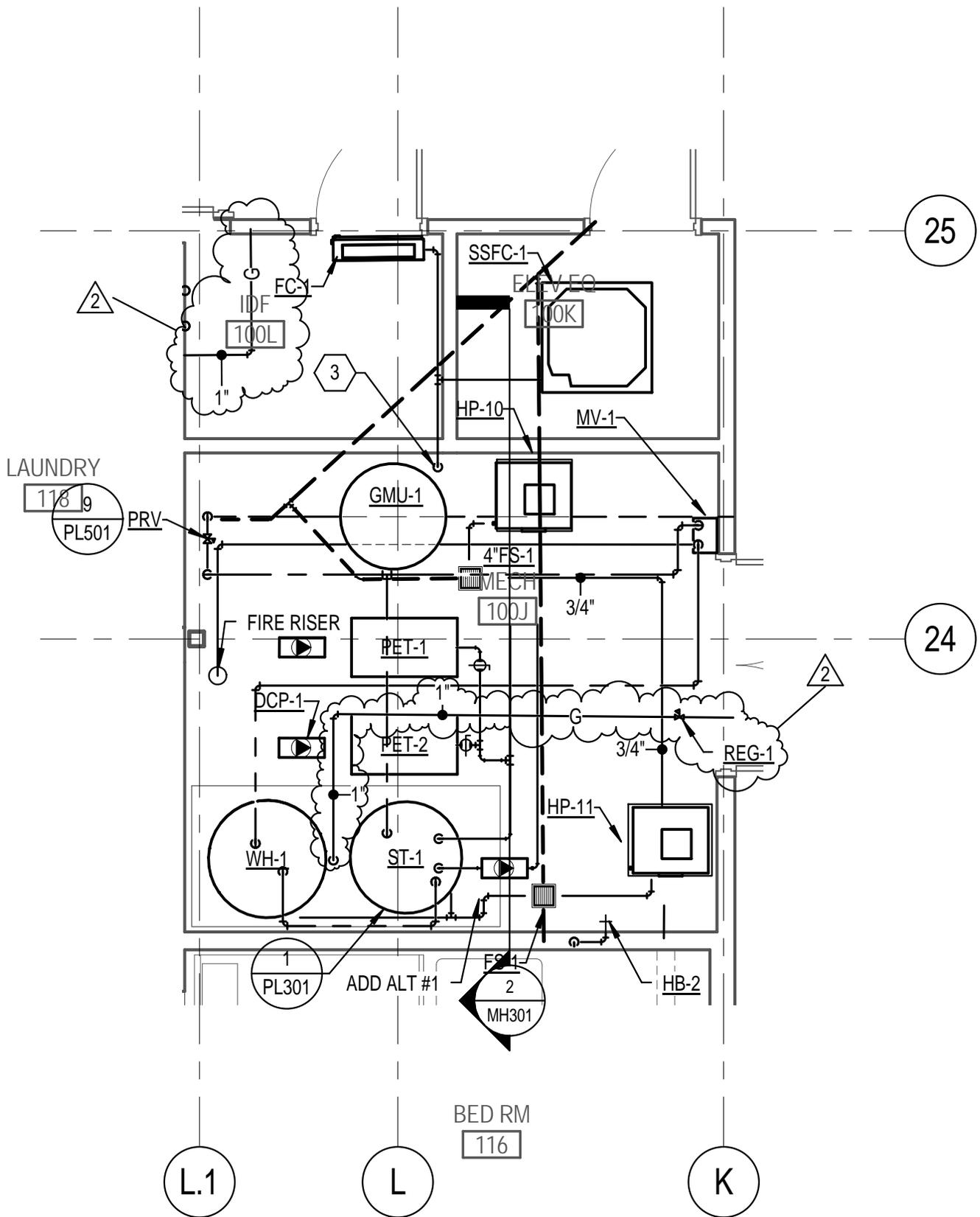
NO SCALE



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WEBER STATE UNIVERSITY
 RESIDENTIAL LIFE PHASE II - BLDG 3
 PROJECT NO. 11008810
 DATE: 05/03/11

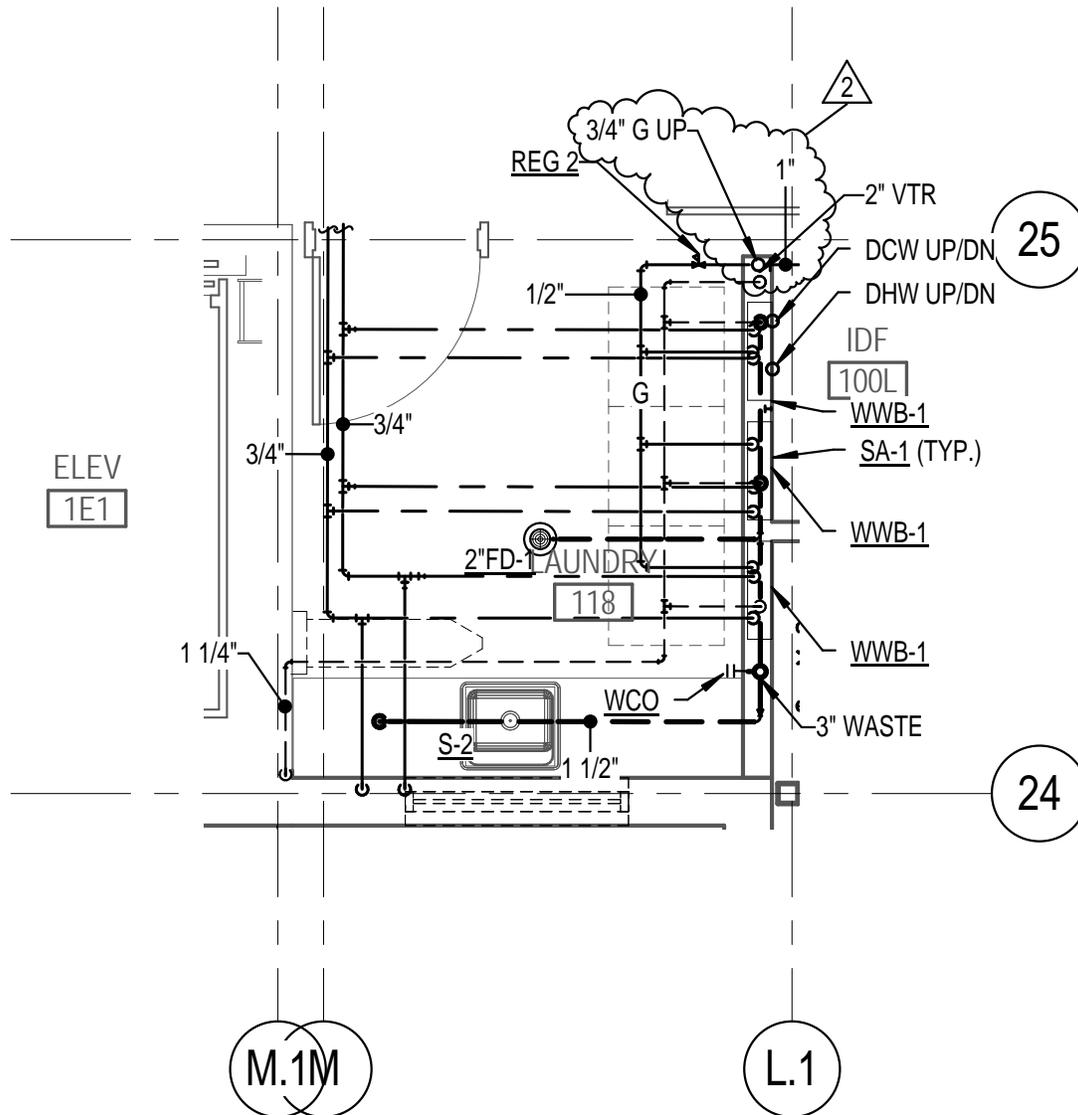
SHEET NUMBER
ADD 5.01
 SHEET REFERENCE
MH501



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WEBER STATE UNIVERSITY
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 PROJECT NO. 11008810
 DATE: 05/05/11

SHEET NUMBER
ADD 5.2
 SHEET REFERENCE
PL401



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WEBER STATE UNIVERSITY
 RESIDENTIAL LIFE PHASE II - BLDG 3
 PROJECT NO. 11008810
 DATE: 05/05/11

SHEET NUMBER
ADD 5.3
 SHEET REFERENCE
PL401

**Addendum No. Five
for the
Weber State University Residential Life Phase 2 Building 3
Construction Documents
DFCM Project No. 11008810**

All Contractors submitting proposals on the above captioned project shall be governed by the following addendum, changes and explanations to the bidding documents dated 14 April, 2011 and shall submit their bids in accordance therewith:

CHANGES TO THE DRAWINGS: IN ORDER AS FOLLOWS:

E1.1 SHEET EE001

1. Light Fixture Schedule:

The following additional manufacturers are approved to bid. Approval of the equipment from catalog information indicates that the brand name and general characteristics are acceptable to the Engineer. Any conflict arising from use of the substituted equipment shall be the responsibility of the Supplier who shall bear all costs required to make the equipment comply with the intent of plans and specifications.

T-3	HE Williams
T-4	HE Williams
T-5	HE Williams
T-7	HE Williams
T-8	Ark
T-9	Pal
T-11	Peach Tree
T-12	Peach Tree
T-16	Vantage
T-17	HE Williams
T-19	Pal
EX-1	Exitronix
EX-2	Exitronix

E1.2 SHEET EE002

1. Add the following special note:

"Shutting down and re-energizing of any medium voltage switches shall be done by the electrical contractor and coordinated at least 2 weeks in advance with WSU. Step by step method of procedure will be required and shall be approved by the engineer and WSU prior to this work. This applies to the entire job."

END OF ADDENDUM No. 5