

ADDENDUM

Project: Renovation and Expansion Alpha Zeta Pi Kappa Alpha Fraternity House Addendum #: 3

Location: 320 Arkansas Avenue, Fayetteville Arkansas Addendum Date: July 9, 2013

This Addendum forms a part of the Pricing Documents and modifies previous Documents, Specifications, and Drawings pertaining to these items dated 6.20.13. The Construction Manager and Bidders shall notify the Engineer immediately with any discrepancies, or errors found in these documents.

Item No.

Specifications

- ADD 3.1 Section 072726 Fluid Applied Membrane Air Barriers: (See attached specification section)**
- A. Add section to specifications
- ADD 3.2 Section 084113 – aluminum Framed Storefronts (narrative only):**
- A. Part 2.7.B.1 Factory Finishing
Revise color to match from P8 to P2 Sherman Williams – SW 7675 Sealskin.
- ADD 3.3 Approved Substitutions:**
- A. Section 042113, 042200
 1. Hohmann & Barnard, Inc: Mortar Trap.
 2. Hohmann & Barnard, Inc: 220 Ladder-Mesh, 120 Truss-Mesh.

Drawing Revisions

- ADD 3.4 Drawing A104: (Narrative Only)**
- A. Commons Wing Roof Plan 1/A104
Revise note from “24”x24”x18”H Wood Cube Seat TYP 17” to “24”x24”x18”H Bison IPE Hardwood Cubes with IPE Hardwood Tops TYP 17”.
 - B. Commons Wing Roof Plan 1/A104
Revise note from “24”x24”x18”H Wood Cube Planter TYP 3” to “24”x24”x18”H Bison IPE Hardwood Cube Planters TYP 3”.
- ADD 3.5 Drawing A503: (Sheet included in Addendum)**
- A. Revise 5/A503 per attached A503
 - B. Add detail 6/A503 Detail at Rolling Partition.

Bid RFI Question

- ADD 3.6 Question: Can you advise where to find a spec on the fluid applied air barrier or provide a specification?**

Response: Please see the attached Specification 072726 Fluid Applied Membrane Air Barriers. Refer to ADD 3.1

ADD 3.7 Question: Will a brick sealer/water repellent be required? If so, can you provide a specification?

Response: No brick sealer/water repellent will be required.

ADD 3.8 Question: Can you please verify the paint color for the Storefront metal system and the sun shades. The spec says to match paint P8 but I cannot find a P8 color.

Response: Revise the specification and drawings to show Storefront color to match P2 Sherman Williams - SW 7675 Sealskin.

ADD 3.9 Question: In regards to the paving on the project, the Specification calls for a Superpave mix and the details call out a Marshall mix surface type 2. Can you tell me what the intent is for the paving? The Superpave will cost approximately \$1000 more.

Response: The intent is for all paving to be Marshall Type 2.

ADD 3.10 Question: Spec section 051200 states that the steel erector is to be AISC Certified. This severely limits the Arkansas-licensed steel erectors who will be able to bid on this project. Can this requirement be waived?

Response: The AISC Certification is required for all steel fabricators.

ADD 3.11 Question: Some square boxes are shown on the wood roof deck on sheet A100.4 and detail 2/A302. Please verify what these are.

Response: Refer to 1/A104 "24"x24"x18"H Wood Cube Seat TYP 17" and "24"x24"x18"H Wood Cube Planter TYP 3". Wood Cube seats and Planters are provided by wood deck manufacture. Bison IPE Hardwood Cube and IPE Hardwood Tops. Refer to ADD 3.4

ADD 3.12 Question: Please reference detail 5/A503. Are any intermediate supports required for these panels?

Response: Refer to ADD 3.5.

ADD 3.13 Question: Any chance that the bid date will be extended a few more days?

Response: Please refer to Addendum #2 for revised Bid Date and Time.

ADD 3.14 Question: Please reference 1/A302. The sleeping wing hallway walls are CMU, topped with metal stud framing to deck. Do the walls in between the sleeping rooms go to deck, or are they to be constructed the same as the hallways?

Response: Refer to Partition Types 2/A602.

ADD 3.15 Question: Please provide further information concerning the litter receptacle i.e. name, top or side opening, free standing or surface mount.

Response: The trash receptacles are from the U of A standards. Please see the attached specification.

End of Addendum 3

SECTION 072726 - FLUID-APPLIED MEMBRANE AIR BARRIERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Fluid-applied membrane air barrier, vapor permeable.
- B. Related Sections include the following:
 - 1. Division 04 Section "Unit Masonry" for embedded flashings.
 - 2. Division 06 Section "Sheathing" for wall sheathings, wall sheathing joint-and-penetration treatments, building paper, and building wraps.
 - 3. Division 07 Section "Thermal Insulation" for foam-plastic board insulation.
 - 4. Division 07 Section "Sheet Metal Flashing and Trim" for sheet metal flashings.
 - 5. Division 07 Section "Joint Sealants" for joint-sealant materials and installation.

1.3 DEFINITIONS

- A. ABAA: Air Barrier Association of America.
- B. Air Barrier Assembly: The collection of air barrier materials and auxiliary materials applied to an opaque wall, including joints and junctions to abutting construction, to control air movement through the wall.

1.4 PERFORMANCE REQUIREMENTS

- A. General: Air barrier shall be capable of performing as a continuous vapor-permeable air barrier and as a liquid-water drainage plane flashed to discharge to the exterior incidental condensation or water penetration. Air barrier assemblies shall be capable of accommodating substrate movement and of sealing substrate expansion and control joints, construction material changes, and transitions at perimeter conditions without deterioration and air leakage exceeding specified limits.
- B. Air Barrier Assembly Air Leakage: Not to exceed ASTM E 283.

1.5 SUBMITTALS

- A. Product Data: Include manufacturer's written instructions for evaluating, preparing, and treating substrate; technical data; and tested physical and performance properties of air barrier.

- B. 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.
- C. Qualification Data: For Applicator.
- D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for air barriers.

1.6 QUALITY ASSURANCE

- A. Applicator Qualifications: A firm experienced in applying air barrier materials 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.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store liquid materials in their original undamaged packages in a clean, dry, protected location and within temperature range required by air barrier manufacturer.
- B. Remove and replace liquid materials that cannot be applied within their stated shelf life.
- C. Store rolls according to manufacturer's written instructions.
- D. Protect stored materials from direct sunlight.

1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Apply air barrier within the range of ambient and substrate temperatures recommended by air barrier manufacturer. Protect substrates from environmental conditions that affect performance of air barrier. Do not apply air barrier to a damp or wet substrate or during snow, rain, fog, or mist.

PART 2 - PRODUCTS

2.1 FLUID-APPLIED MEMBRANE AIR BARRIER

- A. Fluid-Applied, Vapor-Retarding Membrane Air Barrier: Elastomeric, modified bituminous or synthetic polymer membrane.
 - 1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
 - 2. Products: Subject to compliance with requirements, provide one of the following:
 - a. Elastomeric Modified Bituminous Membrane:
 - 1) Carlisle Coatings & Waterproofing; Barriseal.

- 2) Henry Company; Air-Bloc 06.
 - 3) Meadows, W. R., Inc.; Air-Shield LM.
 - 4) NEI; AC AVS1.
 - 5) Tremco Incorporated; ExoAir.
- b. Synthetic Polymer Membrane:
- 1) Grace, W. R. & Co.; Perm-A-Barrier Liquid.
 - 2) Henry Company; Air-Bloc 21 or 21S
 - 3) Rubber Polymer Corporation; Rub-R-Wall Airtight.
3. Physical and Performance Properties:
- a. Membrane Air Permeance: Not to exceed 0.004 cfm x sq. ft. of surface area at 1.57-lbf/sq. ft. pressure difference; ASTM E 2178.
 - b. Membrane Vapor Permeance: Not to exceed 0.1 perm ASTM E 96.
- B. Fluid-Applied, Vapor-Permeable Membrane Air Barrier: Elastomeric, modified bituminous, or synthetic polymer membrane.
1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
 2. Products: Subject to compliance with requirements, provide one of the following:
 - a. Elastomeric, Modified Bituminous Membrane:
 - 1) Henry Company; Air-Bloc 07.
 - b. Synthetic Polymer Membrane:
 - 1) Henry Company; Air-Bloc 31.
 3. Physical and Performance Properties:
 - a. Membrane Air Permeance: Not to exceed 0.004 cfm/ sq. ft. of surface area at 1.57-lbf/sq. ft. pressure difference; ASTM E 2178.
 - b. Membrane Vapor Permeance: Not less than 10 perms; ASTM E 96.

2.2 AUXILIARY MATERIALS

- A. General: Auxiliary materials recommended by air barrier manufacturer for intended use and compatible with air barrier membrane. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Primer: Liquid waterborne primer recommended for substrate by manufacturer of air barrier material.
- C. Counterflashing Strip: Modified bituminous, 40-mil-thick, self-adhering sheet consisting of 32 mils of rubberized asphalt laminated to an 8-mil-thick, cross-laminated polyethylene film with release liner backing.
- D. Butyl Strip: Vapor-retarding, 30- to 40-mil-thick, self-adhering; polyethylene-film-reinforced top surface laminated to layer of butyl adhesive with release liner backing.

- E. Modified Bituminous Strip: Vapor-retarding, 40-mil-thick, smooth-surfaced, self-adhering; consisting of 36 mils of rubberized asphalt laminated to a 4-mil-thick polyethylene film with release liner backing.
- F. Joint Reinforcing Strip: Air barrier manufacturer's glass-fiber-mesh tape.
- G. Substrate Patching Membrane: Manufacturer's standard trowel-grade substrate filler.
- H. Adhesive and Tape: Air barrier manufacturer's standard adhesive and pressure-sensitive adhesive tape.
- I. Sprayed Polyurethane Foam Sealant: 1- or 2-component, foamed-in-place, polyurethane foam sealant, 1.5 to 2.0 lb/cu. ft density; flame spread index of 25 or less according to ASTM E 162; with primer and noncorrosive substrate cleaner recommended by foam sealant manufacturer.
- J. Modified Bituminous Transition Strip: Vapor-retarding, 40-mil-thick, smooth-surfaced, self-adhering; consisting of 36 mils of rubberized asphalt laminated to a 4-mil-thick polyethylene film with release liner backing.
- K. Adhesive-Coated Transition Strip: Vapor-permeable, 17-mil- thick, self-adhering strip consisting of an adhesive coating over a permeable laminate with a permeance of 37 perms.
- L. Elastomeric Flashing Sheet: ASTM D 2000, 2BC415 to 3BC620, minimum 50- to 65-mil-thick, cured sheet neoprene with manufacturer's recommended contact adhesives and lap sealant with galvanized steel termination bars and fasteners.
- M. Preformed Silicone-Sealant Extrusion: Manufacturer's standard system consisting of cured low-modulus silicone extrusion, sized to fit opening widths, with a single-component, neutral-curing, Class 100/50 (low-modulus) silicone sealant for bonding extrusions to substrates.
- N. Joint Sealant: ASTM C 920, single-component, neutral-curing silicone; Class 100/50 (low-modulus), Grade NS, Use NT related to exposure, and, as applicable to joint substrates indicated, Use O. Comply with Division 07 Section "Joint Sealants."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance.
 - 1. Verify that substrates are sound and free of oil, grease, dirt, excess mortar, or other contaminants.
 - 2. Verify that concrete has cured and aged for minimum time period recommended by air barrier manufacturer.
 - 3. Verify that concrete is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - 4. Verify that masonry joints are flush and completely filled with mortar.
 - 5. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 SURFACE PREPARATION

- A. Clean, prepare, treat, and seal substrate according to manufacturer's written instructions. Provide clean, dust-free, and dry substrate for air barrier application.
- B. Mask off adjoining surfaces not covered by air barrier to prevent spillage and overspray affecting other construction.
- C. Remove grease, oil, bitumen, form-release agents, paints, curing compounds, and other penetrating contaminants or film-forming coatings from concrete.
- D. Remove fins, ridges, mortar, and other projections and fill honeycomb, aggregate pockets, holes, and other voids in concrete with substrate patching membrane.
- E. Remove excess mortar from masonry ties, shelf angles, and other obstructions.
- F. At changes in substrate plane, apply sealant or termination mastic beads at sharp corners and edges to form a smooth transition from one plane to another.
- G. Cover gaps in substrate plane and form a smooth transition from one substrate plane to another with stainless-steel sheet mechanically fastened to structural framing to provide continuous support for air barrier.

3.3 JOINT TREATMENT

- A. Concrete and Masonry: Prepare, treat, rout, and fill joints and cracks in substrate according to ASTM C 1193 and air barrier manufacturer's written instructions. Remove dust and dirt from joints and cracks complying with ASTM D 4258 before coating surfaces.
 - 1. Prime substrate and apply a single thickness of preparation coat strip extending a minimum of 3 inches along each side of joints and cracks. Apply a double thickness of air barrier membrane and embed a joint reinforcing strip in preparation coat.
- B. Gypsum Sheathing: Fill joints greater than 1/4 inch with sealant according to ASTM C 1193 and with air barrier manufacturer's written instructions. Apply first layer of fluid air barrier membrane at joints. Tape joints with joint reinforcing strip after first layer is dry. Apply a second layer of fluid air barrier membrane over joint reinforcing strip.

3.4 TRANSITION STRIP INSTALLATION

- A. Install strips, transition strips, and auxiliary materials according to air barrier manufacturer's written instructions to form a seal with adjacent construction and maintain a continuous air barrier.
 - 1. Coordinate the installation of air barrier with installation of roofing membrane and base flashing to ensure continuity of air barrier with roofing membrane.
 - 2. Install modified bituminous strip on roofing membrane or base flashing so that a minimum of 3 inches of coverage is achieved over both substrates.

- B. Apply primer to substrates at required rate and allow to dry. Limit priming to areas that will be covered by air barrier sheet in same day. Reprime areas exposed for more than 24 hours.
 - 1. Prime glass-fiber-surfaced gypsum sheathing with number of prime coats needed to achieve required bond, with adequate drying time between coats.
- C. Connect and seal exterior wall air barrier membrane continuously to roofing membrane air barrier, concrete below-grade structures, floor-to floor construction, exterior glazing and window systems, glazed curtain-wall systems, storefront systems, exterior louvers, exterior door framing, and other construction used in exterior wall openings, using accessory materials as indicated.
- D. At end of each working day, seal top edge of strips and transition strips to substrate with termination mastic.
- E. Apply joint sealants forming part of air barrier assembly within manufacturer's recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
- F. Wall Openings: Prime concealed perimeter frame surfaces of windows, curtain walls, storefronts, and doors. Apply adhesive-coated transition strip so that a minimum of 3 inches of coverage is achieved over both substrates. Maintain 3 inches of full contact over firm bearing to perimeter frames with not less than 1 inch (25 mm) of full contact.
 - 1. Adhesive-Coated Transition Strip: Roll firmly to enhance adhesion.
 - 2. Elastomeric Flashing Sheet: Apply adhesive to wall, frame, and flashing sheet. Install flashing sheet and termination bars, fastened at 6 inches o.c. Apply lap sealant over exposed edges and on cavity side of flashing sheet.
 - 3. Preformed Silicone-Sealant Extrusion: Set in full bed of silicone sealant applied to walls, frame, and membrane.
- G. Fill gaps in perimeter frame surfaces of windows, curtain walls, storefronts, and doors, and miscellaneous penetrations of air barrier membrane with foam sealant.
- H. Seal strips and transition strips around masonry reinforcing or ties and penetrations with termination mastic.
- I. Seal top of through-wall flashings to air barrier with an additional 6-inch wide, counterflashing strip.
- J. Seal exposed edges of strips at seams, cuts, penetrations, and terminations not concealed by metal counterflashings or ending in reglets with termination mastic.
- K. Repair punctures, voids, and deficient lapped seams in strips and transition strips. Slit and flatten fishmouths and blisters. Patch with transition strips extending 6 inches beyond repaired areas in strip direction.

3.5 AIR BARRIER MEMBRANE INSTALLATION

- A. Apply air barrier membrane to form a seal with strips and transition strips and to achieve a continuous air barrier according to air barrier manufacturer's written instructions.
- B. Apply air barrier membrane within manufacturer's recommended application temperature ranges.
- C. Apply primer to substrates at required rate and allow to dry. Limit priming to areas that will be covered by air barrier sheet in same day. Reprime areas exposed for more than 24 hours.
 - 1. Prime glass-fiber-surfaced gypsum sheathing with number of prime coats needed to achieve required bond, with adequate drying time between coats.
- D. Apply a continuous unbroken air barrier to substrates according to the following minimum thickness. Apply membrane in full contact around protrusions such as masonry ties.
 - 1. Vapor-Permeable Membrane Air Barrier: 120-mil wet film thickness.
- E. Apply strip and transition strip a minimum of 1 inch onto cured air membrane or strip and transition strip over cured air membrane overlapping 3 inches onto each surface according to air barrier manufacturer's written instructions.
- F. Do not cover air barrier until it has been tested and inspected by Owner's testing agency.
- G. Correct deficiencies in or remove air barrier that does not comply with requirements; repair substrates and reapply air barrier components.

3.6 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections and prepare test reports.
- B. Inspections: Air barrier materials and installation are subject to inspection for compliance with requirements. Inspections may include the following:
 - 1. Continuity of air barrier system has been achieved throughout the building envelope with no gaps or holes.
 - 2. Continuous structural support of air barrier system has been provided.
 - 3. Masonry and concrete surfaces are smooth, clean and free of cavities, protrusions, and mortar droppings.
 - 4. Site conditions for application temperature and dryness of substrates have been maintained.
 - 5. Maximum exposure time of materials to UV deterioration has not been exceeded.
 - 6. Surfaces have been primed, if applicable.
 - 7. Laps in strips and transition strips have complied with minimum requirements and have been shingled in the correct direction (or mastic has been applied on exposed edges), with no fishmouths.
 - 8. Termination mastic has been applied on cut edges.
 - 9. Strips and transition strips have been firmly adhered to substrate.
 - 10. Compatible materials have been used.

11. Transitions at changes in direction and structural support at gaps have been provided.
 12. Connections between assemblies (membrane and sealants) have complied with requirements for cleanliness, preparation and priming of surfaces, structural support, integrity, and continuity of seal.
 13. All penetrations have been sealed.
- C. Tests: Testing to be performed will be determined by Owner's testing agency from among the following tests:
1. Quantitative Air Leakage Testing: Testing not to exceed the test pressure differential, positive and negative, indicated in "Performance Requirements" Article for air barrier assembly air leakage according to ASTM E 283.
- D. Remove and replace deficient air barrier components and retest as specified above.

3.7 CLEANING AND PROTECTION

- A. Protect air barrier system from damage during application and remainder of construction period, according to manufacturer's written instructions.
1. Protect air barrier from exposure to UV light and harmful weather exposure as required by manufacturer. Remove and replace air barrier exposed for more than 60 days.
 2. Protect air barrier from contact with creosote, uncured coal-tar products, TPO, EPDM, flexible PVC membranes, and sealants not approved by air barrier manufacturer.
- B. Clean spills, stains, and soiling from construction that would be exposed in the completed work using cleaning agents and procedures recommended by manufacturer of affected construction.
- C. Remove masking materials after installation.

END OF SECTION 072726

TRASH CAN - Contemporary



Petoskey Litter Receptacle with polyethylene liner

Item	Petoskey Litter Receptacle
Material	Cold-rolled Steel body / Spun Steel lid
Dimensions	20dia x 42H
Capacity	30 gallons
Color	Stone (Panguard II® polyester powdercoat)

MANUFACTURER

Landscape Forms, Inc.
431 Lawndale Avenue
Kalamazoo, MI 49048

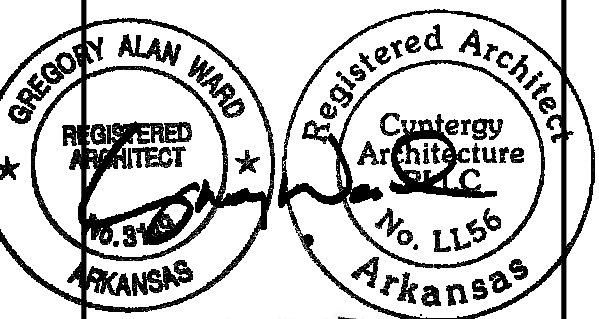
Regional Sales Office, Dallas, TX
Phone 214.343.1145 / 888.667.1145
Fax 214.340.6769

specify@landscapeforms.com
www.landscapeforms.com

**see Campus Landscape Standards for footing detail*



CYNTERGY AEC
300 S. BOSTON, 12TH FLOOR, TULSA, OK 74103
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07.09.13

GREGORY ALAN WARD, AIA
ARCHITECT OF RECORD

PROJECT INFORMATION

PROJECT ADDRESS:
320 ARKANSAS AVE
FAYETTEVILLE, AR 72701

PROJECT NO. MCPK09-0001-001

DATE

DRAWN BY D. CLUTTER

CHECKED BY L. WILLIAMS

RENOVATION AND EXPANSION OF
**ALPHA ZETA PI KAPPA ALPHA
FRATERNITY HOUSE**
FAYETTEVILLE, ARKANSAS

ISSUE / REVISIONS

6/20/2013 BID ISSUE

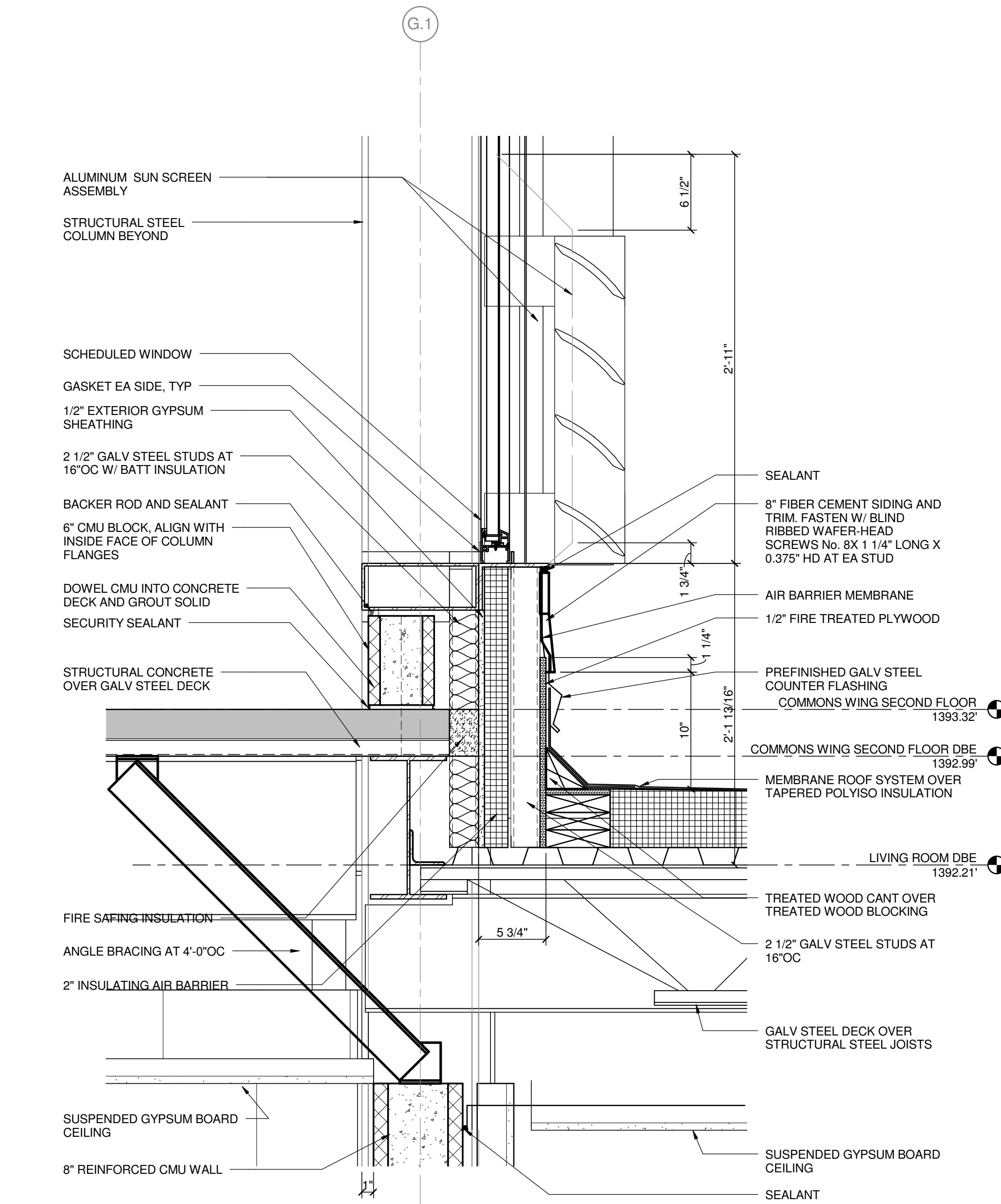
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RENOVATION AND EXPANSION OF

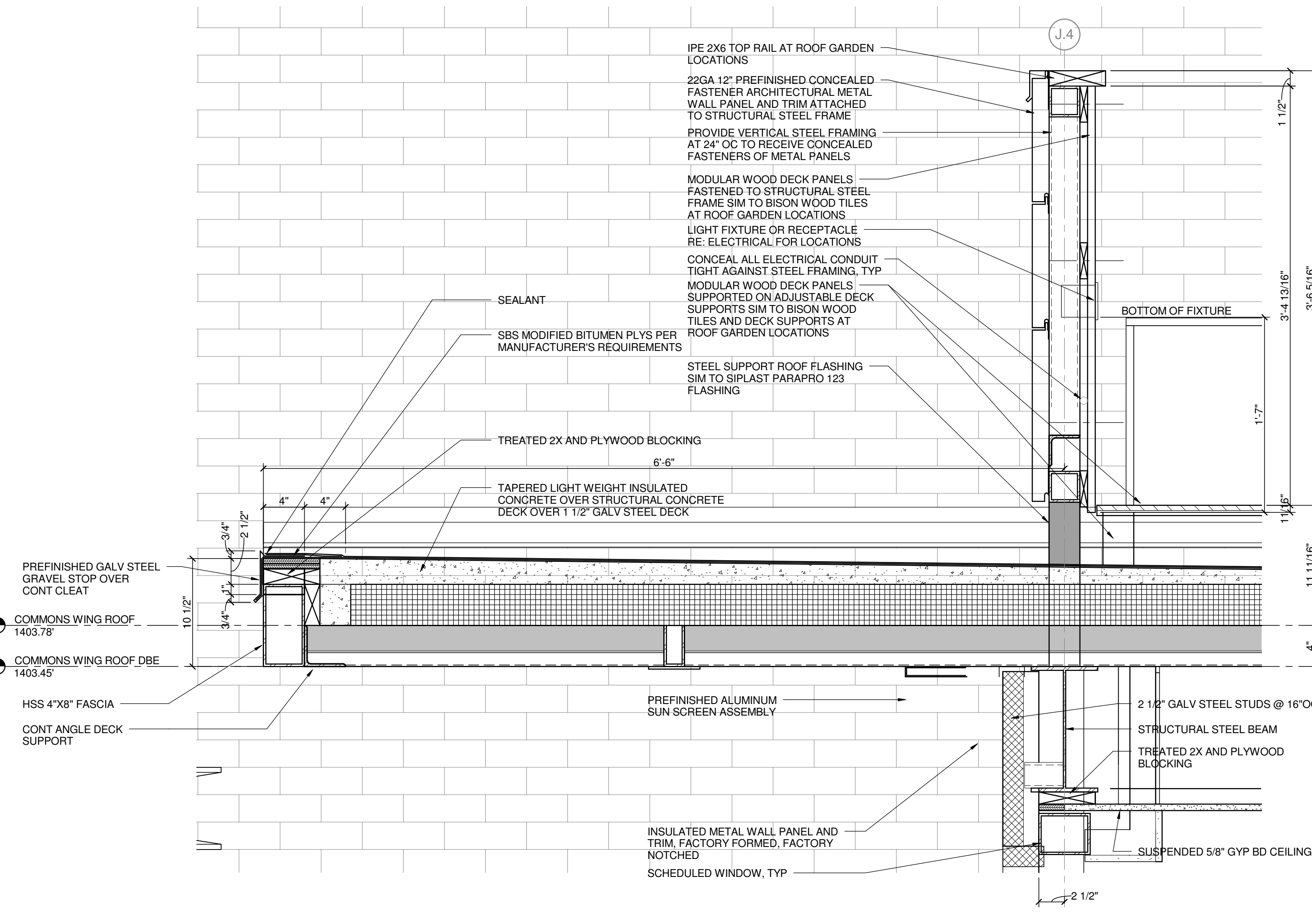
**ALPHA ZETA
PI KAPPA ALPHA
FRATERNITY HOUSE**
FAYETTEVILLE, ARKANSAS

A503

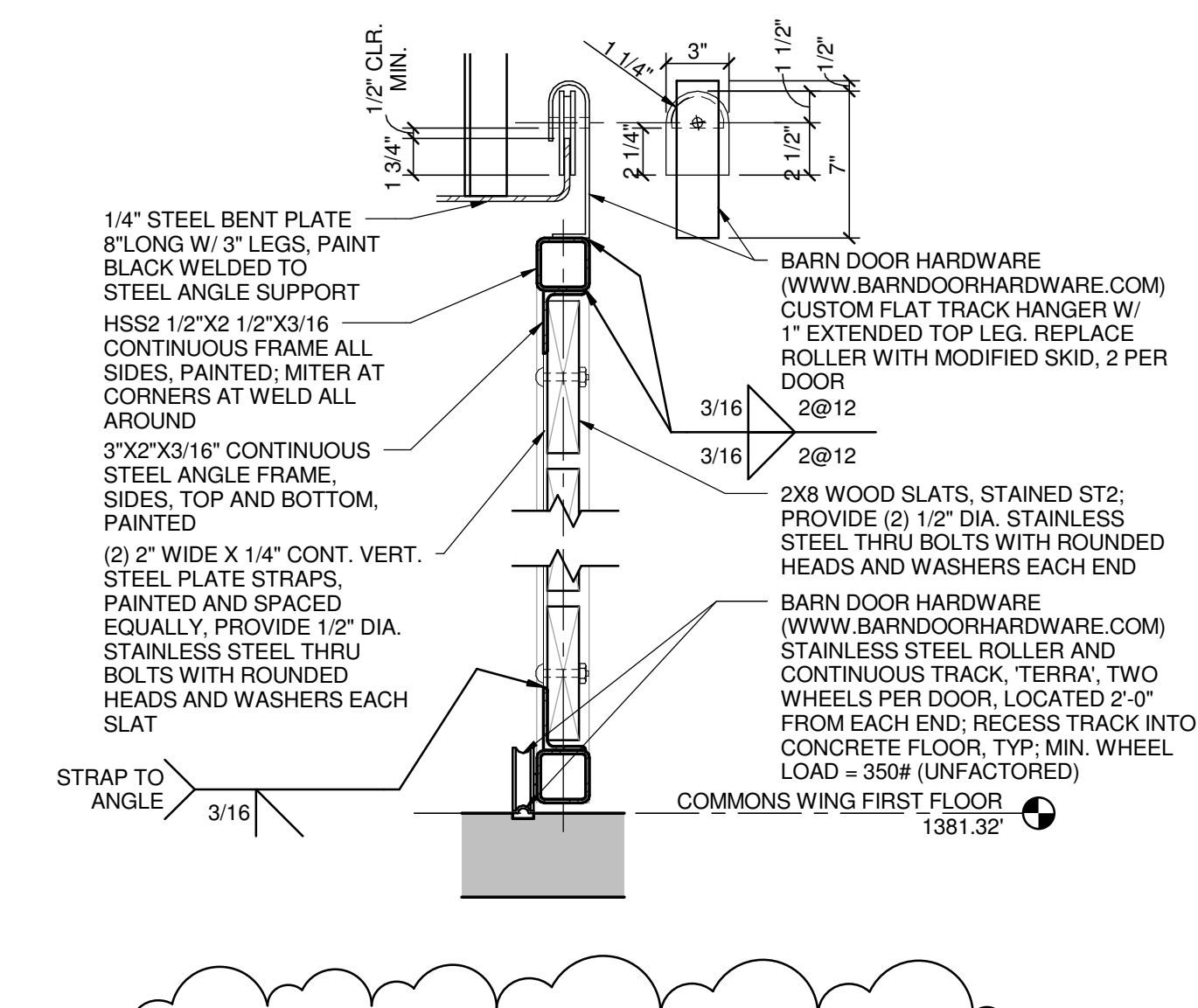
COMMONS WING
DETAILS



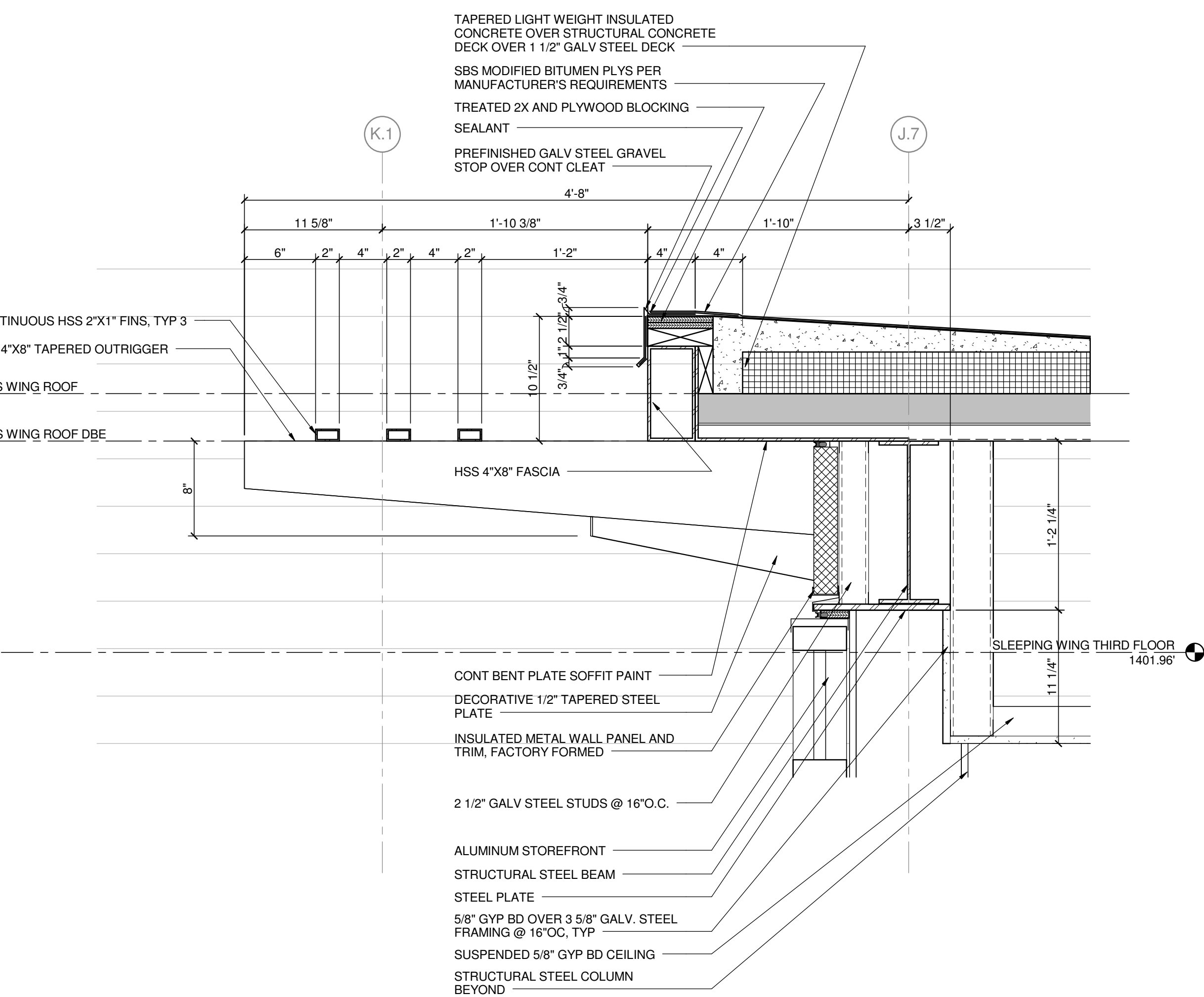
1 SECTION DETAIL @ EAST 2ND FLR COMMONS WALL
1 1/2" = 1'-0"



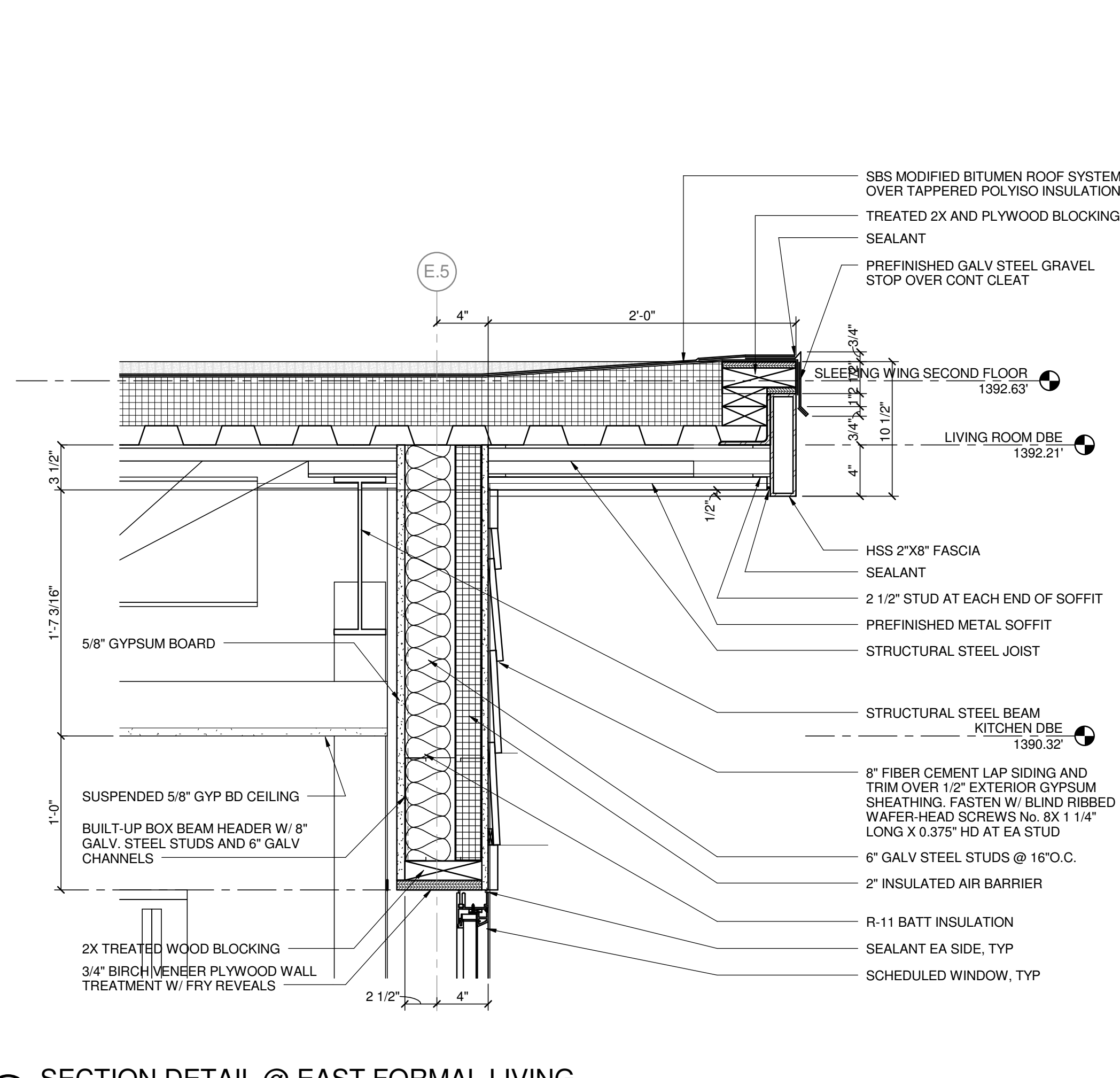
2 SECTION DETAIL @ WEST ENTRY OVERHANG
1 1/2" = 1'-0"



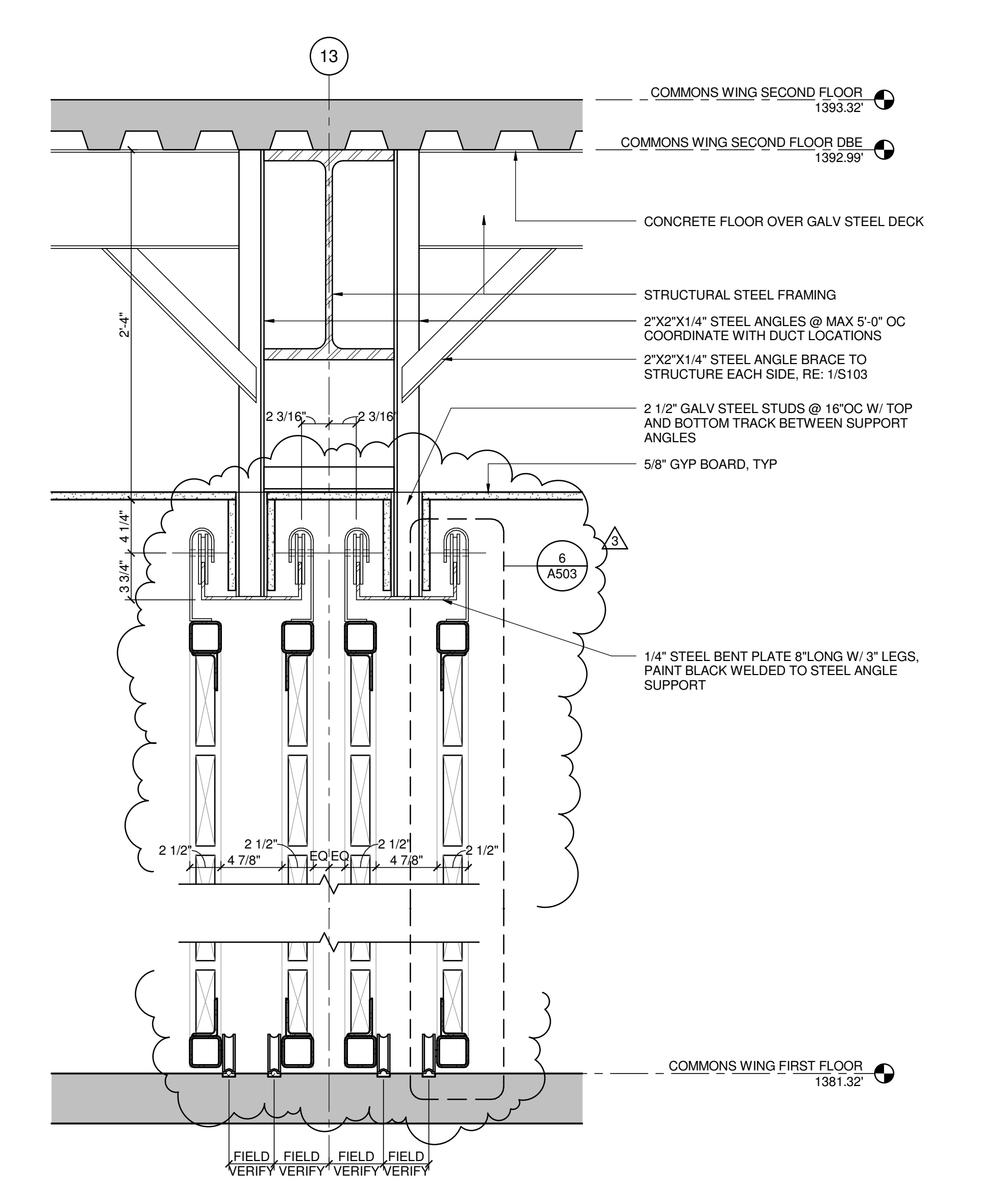
6 DETAIL AT ROLLING PARTITION
1 1/2" = 1'-0"



3 SECTION DETAIL @ COMMONS ROOF OVERHANG
1 1/2" = 1'-0"



4 SECTION DETAIL @ EAST FORMAL LIVING
1 1/2" = 1'-0"



5 SECTION DETAIL @ ROLLING PARTITION
1 1/2" = 1'-0"