

ADDENDUM NO.: 4

DATE OF ADDENDUM: December 17, 2015

**DESPP HQ RESTACKING
FIRST FLOOR SOUTH, CENTER & NORTH
THRID FLOOR SOUTH & CENTER
1111 COUNTRY CLUB ROAD
MIDDLETOWN, CT
BI-N-338**

Original Bid Due Date / Time:

January 6, 2016

1:00 PM

Previous Addendums: Addendum #3 dated 12/16/2015, Addendum #2 dated 12/2/2015,
Addendum #1 dated 12/2/2015

TO: Prospective Bid Proposers:

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated October 1, 2015. Prospective Bid Proposers shall acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form. Failure to do may subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1

Question:

OWI Contractors is requesting if possible electronic copies of the plans and specifications in order for us to properly distribute via our FTP site and to track the CHRO compliance requirements. We are willing to pay a fee for the documents. Please let us know if they can be made available ASAP.

Answer:

No electronic documents are available.

Item 2

Question:

Drawing A3.1.1 shows new transom windows on the interior elevations. However the drawings do not provide a detail through the jamb, head or sill. Please specify if these are to be hollow metal or aluminum frames and provide details.

Answer:

These transom/borrowed lites are to be hollow metal, similar in profile to the door frame details H1 and J1 with added removable stops for glazing. Removable stops will be on the interior of the room side not the open areas. No details to be provided.

Item 3

Question:

There is a specification 101400 for panel signage. However the drawings do not indicate any signage. Is signage part of the contractor's scope of work? If so please provide a schedule with sizes, types and locations.

Answer:

Panel Signage will be provided by the Owner.

Item 4

Question:

Can a set of existing structural drawings be provided to see layout and size of open web joist framing?

Answer:

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PDF versions of original Design Drawings are attached, for reference-information only. These are not as-builts and field confirmation is required. Drawings are from the 1987 Center portion and the 1983 South portion. Drawings attached include A6 (wall sections), A6, S2, S3, S4, S5, and Roll 1 20, Roll 1 22.

Item 5

Question:

I am the Commercial Sales Executive for Graebel CT Moving and Storage located in North Haven. We do a significant amount of work on projects such as these moving the contents around as the renovations are done, sometimes removing them to our warehouse facility. Additionally, we provide logistical support in that the FFE are shipped directly to our warehouse where we store them and then deliver to the site as need.

I assuming one or both of these services will be required on this project. Can you please verify and provide contact information?

Answer:

We do not anticipate any deliveries or moves that require storage. Moves are expected to be from point A to point B on a scheduled basis, yet to be determined.

Item 6

Question:

Reference Demolition of 3rd Floor South. The drawing indicates only to remove ACT pads & grid in the office, conference, and the room in the northwest corner. However on the Reflected Ceiling it indicates that the entire South Wing is to receive new ceilings. Please clarify the demo and new work for this area.

Answer:

For all ceiling areas, the Reflected Ceiling Plans (A2 series) are correct and match up with the Finish Schedule on DWG A1.2. All notes on the Demo Plans (D1 series) as they relate to the ceiling removals are to be adjusted to match the intent of the Reflected Ceiling Plans (A2 series),

Item 7

Item 7.1 Question: The # of shelves listed on drawing – 7 for 2 of the areas and 6 for the other – does that include the top shelf?

Item 7.1 Answer: Yes, top shelf included.

Item 7.2 Question: What are the required shelf opening clearances for the 7 and 6 shelf systems? System hts are called out as 6'8" – can we go higher if necessary – as long as 18" clearance is maintained (ceilings I believe are 9').

Item 7.2 Answer: Shelf Opening Clearances? This question is unclear. System Height can be 6'-8" +/- within a few inches depending on manuf. Overall weight of the system is critical in SLFU.

Item 7.3 Question: It is noted that you require a 2'1" ramp extending beyond the system. Typically the ramps of these systems end at the front panels, so as not to have a ramp in open space – where it can be an obstruction to one walking by. A typical ada ramp is 18" – but we can provide 24". Our recommendation – since these systems are small in depths is to have an ada 18" ramp end at front end panel. Please advise.

Item 7.3 Answer: 18" ramp is acceptable.

Item 7.4 Question: For the slfu system – it is noted a 5'3" width dimension and shows 1 shelving unit per carriage - the longest section of this type of shelving is 4' – so a 5' carriage requires 2-30" long sections – typically – you add 4" to shelving length for end panels – so for both labor relations and SOR – we are assuming the same – 2-3' sections for 6' carriages – so total 6'4" W for both. Please clarify especially slfu.

Item 7.4 Answer: SLFU should follow the plan as a 3' section, total width 3'-4". Weight is critical in this area. Labor Relations and SOR: (2) 30" sections plus end panel.

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Item 8

Item 8.A Question: What size generator should be used? There are small generators that run on gas that would only be strong enough to run the computers in the trailer and not the heat or AC. These are about 8kW and do not hold lots of fuel. Then there are generators that are larger 20kW+ that would be able to power everything in the trailer heat/AC computers and everything else.

Item 8.A Answer: Generator size is by the GC to maintain the trailer operational during construction hours

Item 8.B Question: What will be acceptable for the fuel source? Generators can be liquids i.e., gasoline or diesel. The other option would be propane, however this would require around a 500 gallon tank to be onsite near the trailer. Would the state fire marshal allow this, it would be an above ground tank?

Item 8.B Answer: Fuel shall be determined by the GC, acceptable to local authorities, and with required separation distance from the building.

Item 8.C Question: What are the running requirements? Should the generator run full time in order to maintain power for the heating/AC and to make sure it does not become too humid for computers and hardware.

Item 8.C Answer: Running time is by the GC to maintain the trailer fully operational during hours of occupancy, without damage to equipment.

Item 9

Item 9.A Question: It was mentioned at the pre-bid that the existing ceiling tiles are no longer available. The specification does not provide a product to use for new tile. Please provide a product number for this tile.

Item 9.A Answer: The intent is to reuse salvaged tiles in areas where the ceiling tiles remain. New areas are to have new tiles to match the profile as closely as possible.

Item 9.B Question: If possible please provide the floor to deck heights for each floor.

Item 9.B Answer: See Item 4 above, drawing A6.

Item 9.C Question: Please provide the contact information for the onsite companies that maintain the fire alarm, HVAC controls, and security systems.

Item 9.C Answer: For informational purposes only:

Security System ---- Electronic Control System, Bridgeport

Sprinkler System ----- Fire Protection and Testing, Cheshire

Fire Alarm Panel ----- Simplex / Tyco, Wallingford

HVAC energy management system ----- Automated Building Systems, Glastonbury

Item 10

REMOVE Section 092116 "Gypsum Board Assemblies" from the specifications in its entirety.

SUBSTITUTE new Section 092116 "Gypsum Board Assemblies" consisting of 11 pages attached to this Addendum.

Item 11

Drawing A3.1: Change Detail Tags which reference Drawing A5.1, to read A4.1.

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Item 12

Drawing A1.3: REMOVE Detail 3/A1.3.

SUBSTITUTE new Detail 3/A1.3 per SKA1.3-1 attached to this Addendum.

Item 13

Drawing MD3.1 Add: SKMD3.1-1; clarify ductwork removals/modifications.

Drawing M3.1 Add: SKM3.1-1; clarify new ductwork, add security bars in ductwork.

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting firm Moser Nelson Architects LLC attn.: Hugh Pearson, AIA and Fax Number 860.257.4675) with copies sent to the CT DCS Project Manager (Ward Ponticelli, RA and Fax Number 860.713.7261).

End of Addendum 4



Mellanee Walton, Associate Fiscal Administrative Officer
Department of Administrative Services
On Behalf of the Division of Construction Services

PART 1 - GENERAL**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
1. Interior gypsum wallboard including the following:
 - a. Gypsum Wallboard.
 2. Non-load-bearing steel framing.
 3. Security mesh.
- B. Related Sections include the following:
1. Division 7 Section "Building Insulation" for insulation and vapor retarders installed in gypsum board assemblies.
 2. Division 7 Section "Joint Sealants" for sealants installed with gypsum board assemblies including but not limited to acoustical joint sealants and acoustical putty at items penetrating acoustical wall assemblies.

1.3 DEFINITIONS

- A. Gypsum Board Terminology: Refer to ASTM C 11 for definitions of terms for gypsum board assemblies not defined in this Section or in other referenced standards.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show layout, spacings, sizes, thicknesses, and types of metal framing; fabrication; and fastening and anchorage details, including mechanical fasteners. Show reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, control and expansion joints, accessories, connection details, and attachment to adjoining Work. Show coordination of the work of this Section with the work of other trades affected by the work of this Section.
- C. Samples: For the following products:
1. Trim Accessories: Full-size sample in 12-inch- long length for each trim accessory indicated.

1.5 QUALITY ASSURANCE

- A. Fire-Test-Response Characteristics: For gypsum board assemblies with fire-resistance ratings, provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.
- B. Sound Transmission Characteristics: For gypsum board assemblies with STC ratings, provide materials and construction identical to those tested in assembly indicated according to

ASTM E 90 and classified according to ASTM E 413 by a qualified independent testing agency.

- C. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination." Review methods and procedures for installing gypsum board assemblies.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packages, containers, or bundles bearing brand name and identification of manufacturer or supplier.
- B. Handle and store steel framing materials and related accessories in accordance with AISI "Code of Standard Practice" and as follows:
 - 1. Store materials inside under cover.
 - 2. Keep materials dry and protected against damage from weather, direct sunlight, surface contamination, corrosion, construction traffic, and other causes.
 - 3. Stack gypsum panels flat to prevent sagging.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Comply with ASTM C 840 requirements or gypsum board manufacturer's written recommendations, whichever are more stringent.
- B. Do not install interior products until installation areas are enclosed and conditioned.
- C. Do not install panels that are wet, moisture damaged, or mold damaged

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Steel Framing and Furring:
 - a. ClarkWestern Building Systems.
 - b. CEMCo.
 - c. Dietrich Industries, Inc.
 - d. MarinoWare; Division of Ware Ind.
 - e. Super Stud Building Products, Inc.
 - f. SCAFCO Corporation.
 - 2. Gypsum Board and Related Products:
 - a. American Gypsum Co.
 - b. CertainTeed, Inc.
 - c. Georgia-Pacific Gypsum LLC.
 - d. National Gypsum Company.
 - e. United States Gypsum Co.

2.2 METAL FRAMING - GENERAL

- A. Thicknesses, sizes, gages, diameters and weights of materials, fabrication and fastening requirements, quantities and the like specified in this Section or shown by the Drawings are the minimum acceptable, and not necessarily as required to serve indicated functions. Thickness, depth and structural properties of metal sheets and shapes, and diameters and cross sectional areas and dimensions of items such as rods, bolts and wires shall be as required by analysis to serve the indicated functions and shall not be less than properties of components specified or shown. Increases in material weights, gages, thicknesses, depths of framing members, fabrication requirements, fastening requirements, quantities and the like over the minimums specified herein are the responsibility of the Contractor and shall not be passed on to the Owner.
- B. Spacing of framing shown by Drawings or specified is the maximum allowable. Modifications to framing to accommodate elements of construction including but not limited to vents, HVAC ductwork, structural members, louvers, access panels, electrical panels, fire extinguisher and fire valve cabinets, framed openings for doors and windows, wall hung fixtures and equipment, casework, millwork and the like shall be made as part of the Base Bid, and the costs for increases in materials and labor therefore shall not be passed on to the Owner.
- C. Coordinate modifications to materials affected by framing including but not limited to gypsum board, insulation and related accessory materials with adjustments to framing layout and spacing. Increases in labor and materials required to furnish and install such affected materials shall not be passed on to the Owner.

2.3 STEEL PARTITION AND SOFFIT FRAMING

- A. Components, General: As follows:
 - 1. Comply with ASTM C 754 for conditions indicated.
 - 2. Steel Sheet Components: Complying with ASTM C 645 requirements for metal, and with ASTM A 653/A 653M G40, hot-dip galvanized zinc coating.
- B. Steel Studs and Runners: ASTM C 645.
 - 1. Minimum Base Metal Thickness: 0.0329 inch (20 ga).
 - 2. Depth of studs: As indicated, and measured to the outside of the flanges.
 - 3. Depth of runners and tracks: As indicated, and measured inside the flanges.
- C. Steel Studs and Runners at Secure Area(s): ASTM C 645
 - 1. Base Metal Thickness: 0.0703 inch (14 ga).
 - 2. Depth of studs: As indicated, and measured to the outside of the flanges.
 - 3. Depth of runners and tracks: As indicated, and measured inside the flanges.
- D. Deflection Joints at Head of Walls: Where indicated, provide one of the following:
 - 1. Single Long-Leg Runner System: ASTM C 645 top runner with 2-inch- deep flanges in thickness not less than indicated for studs, installed with studs friction fit into top runner and with continuous bridging located within 12 inches of the top of studs to provide lateral bracing.
 - 2. Double-Runner System: ASTM C 645 top runners, inside runner (deflection track) with 2-inch- deep flanges in thickness not less than indicated for studs and fastened to studs, and outer runner (slip track) sized for friction fit of inside runner and fastened to structure above.

- E. Flat Strap and Backing Plate: Steel sheet for blocking and bracing in length and width indicated.
1. Minimum Base Metal Thickness: 0.027 inch (22 ga)].
- F. Cold-Rolled Channel Bridging: 0.0538-inch (16 ga) bare steel thickness, with minimum 1/2-inch- wide flange.
1. Depth: 1-1/2 inches.
 2. Clip Angle: 1-1/2 by 1-1/2 inch, 0.068-inch- thick (14 ga), galvanized steel.
- G. Hat-Shaped, Rigid Furring Channels: ASTM C 645.
1. Minimum Base Metal Thickness: 0.0179 inch (25 ga).
 2. Depth: 7/8 inch.
- H. Resilient Furring Channels: 1/2-inch- deep, steel sheet members designed to reduce sound transmission.
1. Configuration: Asymmetrical or hat shaped, with face attached to single flange by a slotted leg (web) or attached to two flanges by slotted or expanded metal legs.
- I. Cold-Rolled Furring Channels: 0.0538-inch bare steel thickness (16 ga), with minimum 1/2-inch- wide flange.
1. Depth: 3/4 inch.
 2. Furring Brackets: Adjustable, corrugated-edge type of steel sheet with minimum bare steel thickness of 0.0329 inch (20 ga).
 3. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.0625-inch- diameter wire, or double strand of 0.0475-inch- diameter wire.
- J. Z-Shaped Furring: With slotted or nonslotted web, face flange of 1-1/4 inches, wall attachment flange of 7/8 inch, minimum bare metal thickness of 0.0179 inch (25 ga), and depth required to fit insulation thickness indicated.
- K. Aluminum Breakaway Clips (Burn-off Clips): Fabricated of 0.063 inch (1.60 mm) aluminum in shapes and sizes required for intended application, and which will melt and break away when exposed to fire.
- L. Fasteners for Metal Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates and to each other.
- M. Barrier Mesh and Clips:
1. Barrier Mesh: Carbon steel mesh complying with ASTM F 1267, 1-1/2 inch diamonds by 0.068 inch (13 ga.) thickness.
 - a. Product: ClarkDietrich: Barrier Mesh BM15.
 2. Barrier Mesh Clips for Barrier Mesh: 2-3/4 by 1-1/2 inch by 0.019 inch thick diamond shaped plates with recess for screw head for securement of barrier mesh to framing. Anchor through barrier mesh to framing with fasteners recommended by manufacturer.
 - a. Product: ClarkDietrich: Barrier Mesh Clips.
 - b. Subject to compliance with requirements, provide the named products or comparable products of one of the following manufacturers:
 - 1) ClarkWestern Building Systems.

- 2) CEMCo.
- 3) MarinoWare; Division of Ware Ind.
- 4) Super Stud Building Products, Inc.
- 5) SCAFCO Corporation.

2.4 INTERIOR GYPSUM WALLBOARD

- A. Panel Size: Provide in maximum lengths and widths available that will minimize joints in each area and correspond with support system indicated.
- B. Gypsum Wallboard:
 - 1. Type X, ASTM C 1396/C 1396M, maximum flame spread of 25 and maximum smoke developed of 450 when tested in accordance with ASTM E84:
 - a. Thickness: 5/8 inch (15.9 mm).
 - b. Long Edges: Tapered.
 - c. Location: As indicated.

2.5 TRIM ACCESSORIES

- A. Interior Trim: ASTM C 1047.
 - 1. Material: Galvanized or aluminum-coated steel sheet or rolled zinc.
 - 2. Shapes:
 - a. Cornerbead: Use at outside corners.
 - b. LC-Bead: J-shaped; exposed long flange receives joint compound; use at exposed panel edges.
 - c. Expansion (Control) Joint: Use where indicated.
 - d. Reveal Molding: Use where indicated.
- B. Aluminum Trim: Extruded accessories of profiles and dimensions indicated.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Fry Reglet Corp.
 - b. Gordon, Inc.
 - c. MM Systems Corporation.
 - d. Pittcon Industries.
 - 2. Aluminum: Alloy and temper with not less than the strength and durability properties of ASTM B 221, alloy 6063-T5.
 - 3. Finish: Corrosion-resistant primer compatible with joint compound and finish materials specified.

2.6 JOINT TREATMENT MATERIALS

- A. General: Comply with ASTM C 475.

- B. Joint Tape:
 - 1. Interior Gypsum Wallboard: Paper.
- C. Joint Compound for Interior Gypsum Wallboard: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
 - 1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
 - 2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
 - 3. Fill Coat: For second coat, use drying-type, all-purpose compound.
 - 4. Finish Coat: For third coat, use drying-type, all-purpose compound.
 - 5. Skim Coat: For final coat of Level 5 finish, use drying-type, all-purpose compound.

2.7 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.
- B. Laminating Adhesive: Adhesive or joint compound recommended for directly adhering gypsum panels to continuous substrate.
- C. Steel Drill Screws: ASTM C 1002, unless otherwise indicated.
- D. Steel Drill Screws: Use screws complying with ASTM C 954 for fastening panels to steel members from 0.033 to 0.112 inch thick.
- E. Isolation Strip at Exterior Walls:
 - 1. Asphalt-Saturated Organic Felt: ASTM D 226, Type I (No. 15 asphalt felt), nonperforated.
 - 2. Foam Gasket: Adhesive-backed, closed-cell vinyl foam strips that allow fastener penetration without foam displacement, 1/8 inch thick, in width to suit steel stud size
- F. Thermal Insulation: As specified in Division 7 Section "Building Insulation."
- G. Sound Attenuation Blankets: Mineral wool blankets as specified in Division 7 Section "Building Insulation."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLING STEEL FRAMING, GENERAL

- A. Installation Standards: ASTM C 754, and ASTM C 840 requirements that apply to framing installation.
- B. Install supplementary framing, blocking, and bracing at terminations in gypsum board assemblies to support fixtures, equipment services, heavy trim, grab bars, toilet accessories,

- furnishings, or similar construction. Comply with details indicated and with gypsum board manufacturer's written recommendations or, if none available, with United States Gypsum's "Gypsum Construction Handbook."
- C. Isolate steel framing from building structure at locations indicated to prevent transfer of loading imposed by structural movement.
1. Isolate ceiling assemblies where they abut or are penetrated by building structure.
 2. Where framing extends to structural members, floor decks and roof decks above, install slip-type joints at head of assemblies that avoid axial loading of assembly. Provide lateral support of assembly.
 - a. Use deep-leg deflection track and bridging or deep leg deflection track nested into slip track as specified in this Section where indicated.
- D. Do not bridge building control and expansion joints with steel framing or furring members. Frame both sides of joints independently.
- E. Installation Tolerances:
1. Partitions, vertical shaft-wall framing and soffits: Install each steel framing and furring member so members for panel attachment are plumb to within 1/8 inch in 12 feet measured lengthwise on each member and transversely between parallel members.
 2. Openings: Frame openings such that opening is not out of square by more than 1/8 inch.
 3. Spacing of framing members: Spacing of individual members shall not vary by more than 1/8 inch from indicated spacing with a maximum cumulative error of 1/8 inch.
- 3.3 INSTALLING STEEL PARTITION AND SOFFIT FRAMING**
- A. Install tracks (runners) at floors, ceilings, and structural walls and columns where gypsum board assemblies abut other construction.
1. Where studs are installed directly against exterior walls, install asphalt-felt isolation strip between studs and wall.
- B. Extend partition framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing over frames for doors and openings and frame around ducts penetrating partitions above ceiling to provide support for gypsum board.
1. Deflection Joints at Head of Walls: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
 - a. Where deflection joint at head of wall is provided with single long-leg runner, cut studs 1/2 inch short of full height. To allow independent movement of studs and track, do not fasten studs to top track; fasten studs to bridging.
 - b. Where deflection joint at head of wall is provided with double-runner system, cut studs 1/2 inch (13 mm) short of full height. Slip inner deflection track into outer slip track with space between tracks to allow for vertical movement, and fasten studs to inner track only.
 - c. Where deflection joint at head of wall is provided with proprietary deflection track, install studs and fasten as recommended by track manufacturer to prevent axial loading of studs.

2. Sound-Rated Partitions: Install framing to comply with sound-rated assembly indicated.
 - a. At STC-rated walls install top and bottom stud tracks with continuous resilient isolation pad between track and floor below or floor deck above, and with isolation bushing at each anchor. Install anchors and isolation bushing at spacing recommended by acoustical component manufacturer, but not to exceed 16 inches o.c.
 - b. Install boxes for wall mounted items in opposite faces of STC-rated partition separated by not less than 12 inches in horizontal dimension and separated by not less than one stud.
3. Security Partitions: Securely anchor runners to floor. Extend studs to structural deck above. Provide double runner deflection at head of wall as specified in these specifications. Install security mesh to studs and anchor to framing with fasteners driven through clips at 6 inches o.c. maximum spacing. Install gypsum board over security mesh.
4. Security Ceiling: Anchor horizontal framing to vertical framing. Provide supplemental framing as required to limit deflection of ceiling to L/360. Install security mesh to framing members and anchor to framing with fasteners driven through clips at 6 inches o.c. maximum spacing. Install gypsum board over security mesh.
- C. Install steel studs and furring at 16 inches o.c., unless otherwise indicated.
 1. Variation of spacing of individual members shall not exceed 1/8 inch, with a maximum cumulative error of 1/8 inch.
- D. Install steel studs so flanges point in the same direction and leading edge or end of each panel can be attached to open (unsupported) edges of stud flanges first.
- E. Frame door openings to comply with GA-600 and with gypsum board manufacturer's applicable written recommendations, unless otherwise indicated. Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.
 1. Install two studs at each jamb, unless otherwise indicated.
 2. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch clearance from jamb stud to allow for installation of control joint where indicated.
 3. Extend jamb studs through suspended ceilings and attach to underside of floor or roof structure above and as specified to prevent axial loading of studs by deflection of floor or roof above.
- F. Frame openings other than door openings the same as required for door openings, unless otherwise indicated. Install framing below sills of openings to match framing required above door heads.
- G. Z-Furring Members:
 1. Erect insulation vertically and hold in place with Z-furring members spaced 24 inches o.c.
 2. Except at exterior corners, securely attach narrow flanges of furring members to wall with concrete stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches o.c.
 3. At exterior corners, attach wide flange of furring members to wall with short flange

extending beyond corner; on adjacent wall surface, screw-attach short flange of furring channel to web of attached channel. At interior corners, space second member no more than 12 inches from corner and cut insulation to fit.

- H. Until gypsum board is installed, hold insulation in place with 10-inch staples fabricated from 0.0625-inch- diameter, tie wire and inserted through slot in web of member.

3.4 APPLYING AND FINISHING PANELS, GENERAL

- A. Gypsum Board Application and Finishing Standards: ASTM C 840 and GA-216, and to form a flat, level plane to receive finish materials including but not limited to ceramic tile, wall coverings and paint.
- B. Install sound attenuation blankets before installing gypsum panels.
- C. Install gypsum panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.
- D. Locate edge and end joints over supports. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
- E. Attach gypsum panels to steel studs so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.
- F. Attach gypsum panels to framing provided at openings and cutouts.
- G. Form control and expansion joints with space between edges of adjoining gypsum panels.
- H. Cover both faces of steel stud partition framing with gypsum panels in concealed spaces (above ceilings, etc.), except in chases braced internally.
 1. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area.
 2. Fit gypsum panels around ducts, pipes, and conduits.
 3. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by coffers, joists, and other structural members; allow 1/4- to 3/8-inch- wide joints to install sealant.
- I. Isolate perimeter of non-load-bearing gypsum board partitions at structural abutments, except floors. Provide 1/4- to 1/2-inch- wide spaces at these locations, and trim edges with U-bead edge trim where edges of gypsum panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.
- J. STC-Rated Assemblies: Seal construction at perimeters, behind control and expansion joints, and at openings and penetrations with a continuous bead of acoustical sealant. Install acoustical sealant at both faces of partitions at perimeters and through penetrations. Comply with ASTM C 919 and manufacturer's written recommendations for locating edge trim and closing off sound-flanking paths around or through gypsum board assemblies, including sealing partitions above acoustical ceilings. Install acoustical putty pads on and surrounding items installed into or penetrating STC-rated partitions.
- K. Space fasteners in gypsum panels according to referenced gypsum board application and finishing standard and manufacturer's written recommendations.
 1. Space screws a maximum of 12 inches o.c. for vertical applications.

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3.5 PANEL APPLICATION METHODS

A. Single-Layer Application:

1. On ceilings, apply gypsum panels before wall/partition board application to the greatest extent possible and at right angles to framing, unless otherwise indicated.
2. On partitions/walls, apply gypsum panels vertically (parallel to framing), unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
 - a. Stagger abutting end joints not less than one framing member in alternate courses of board.
 - b. At stairwells and other high walls, install panels horizontally, unless otherwise indicated or required by fire-resistance-rated assembly.
3. On hat-channel and Z-furring members, apply gypsum panels vertically (parallel to framing) with no end joints. Locate edge joints over furring members.

B. Multilayer Application on Partitions/Walls: Apply gypsum board indicated for base layers and face layers vertically (parallel to framing) with joints of base layers located over stud or furring member and face-layer joints offset at least one stud or furring member with base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly. Stagger joints on opposite sides of partitions.

1. Hat-Channel and Z-Furring Members: Apply base layer vertically (parallel to framing) and face layer either vertically (parallel to framing) or horizontally (perpendicular to framing) with vertical joints offset at least one furring member. Locate edge joints of base layer over furring members.

C. Single-Layer Fastening Methods: Apply gypsum panels to supports with steel drill screws.

D. Multilayer Fastening Methods: Fasten base layers and face layers separately to supports with screws.

3.6 INSTALLING TRIM ACCESSORIES

A. General: For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.

B. Control Joints: Install control joints according to requirements of ASTM C 840 and in specific locations approved by Architect for visual effect, but in no case exceeding spacings shown below.

1. Install control joints in acoustic partitions to maintain acoustical rating.
2. Install control joints at locations where a partition, wall or ceiling crosses an expansion joint, seismic joint or building control element in the base building structure.
3. In partitions or walls with an uninterrupted straight plane of 30 linear feet or greater in either horizontal and/or vertical directions, install control joints such that linear distance horizontally and/or vertically between joints does not exceed 30 feet and area bounded by control joints does not exceed 900 sq ft.

C. Aluminum Trim:

1. Install aluminum trim according to manufacturer's written recommendations.

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- 2. Apply and embed joint tape over flanges of aluminum trim accessories if recommended by trim manufacturer.

3.7 FINISHING GYPSUM BOARD ASSEMBLIES

- A. General: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.
- B. Prefill open joints and damaged surface areas.
- C. Apply joint tape over gypsum board joints, except those with trim having flanges not intended for tape.
- D. Gypsum Board Finish Levels: Finish panels to levels indicated below, according to ASTM C 840, for locations indicated:
 - 1. Gypsum Board Finish Level 1:
 - a. Provide Level 1 Finish at joints in ceiling plenum areas, concealed areas, and where indicated.
 - b. Level 1 Finish: Embed tape unless a higher level of finish is required for fire-resistance-rated assemblies and sound-rated assemblies.
 - 2. Gypsum Board Finish Level 4:
 - a. Provide Level 4 Finish where walls are scheduled to receive paint and where indicated.
 - b. Level 4 Finish: Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges at panel surfaces that will be exposed to view.

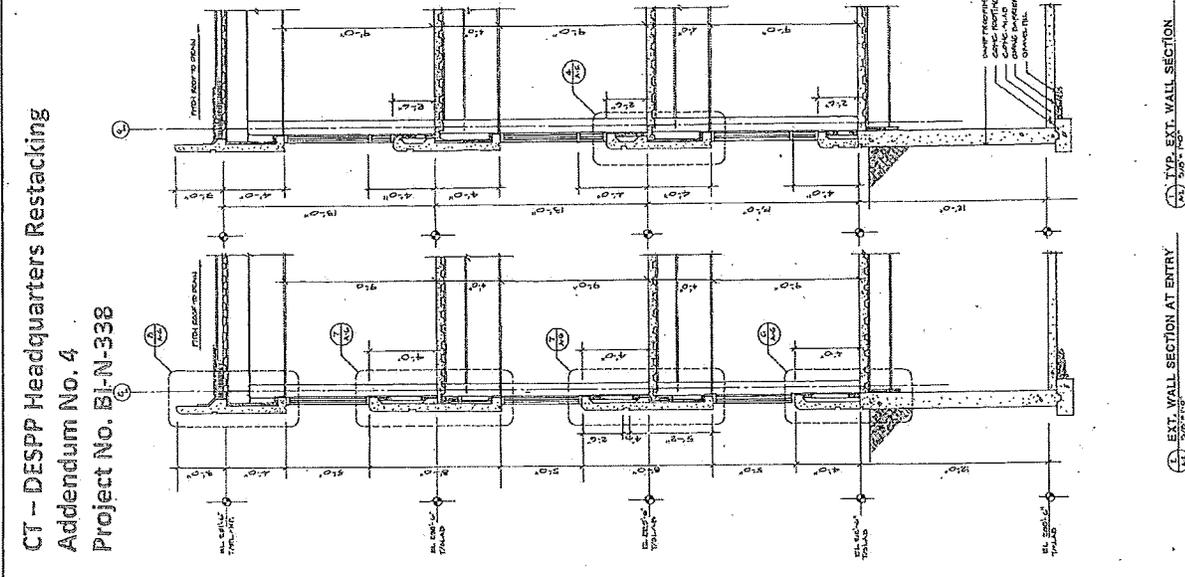
3.8 PROTECTION

- A. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- B. Remove and replace panels that are wet, moisture damaged, or mold damaged.

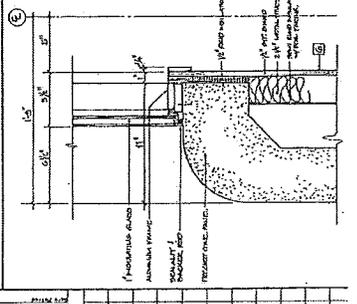
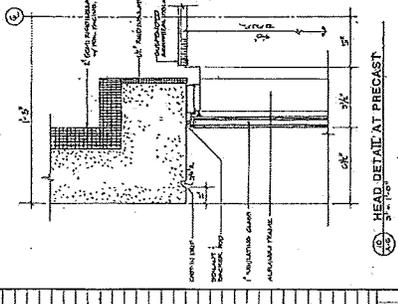
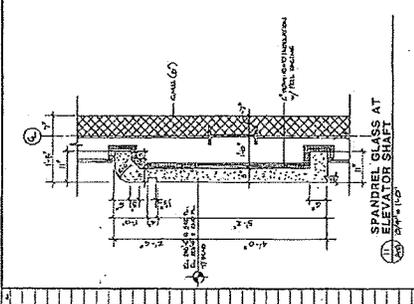
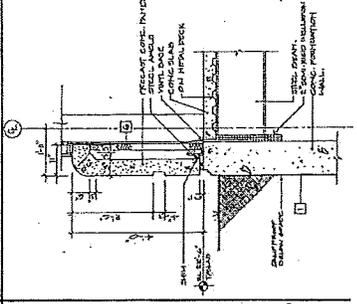
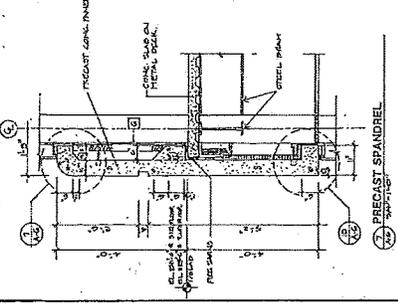
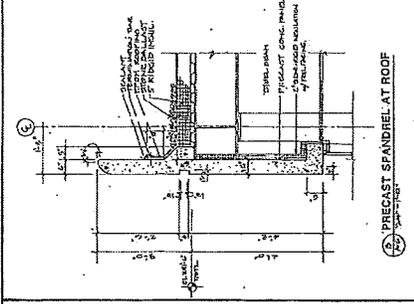
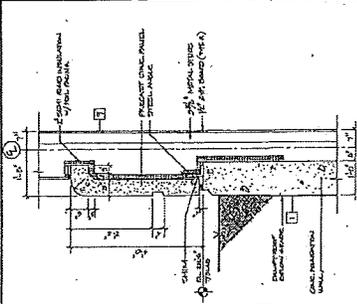
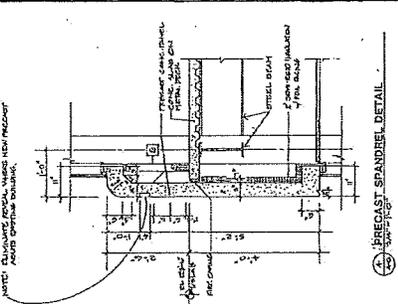
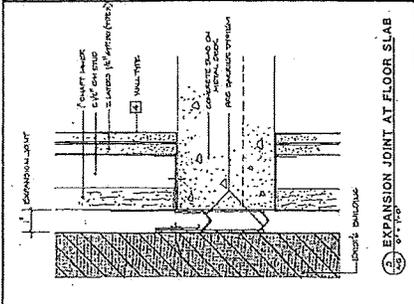
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CT - DESPP Headquarters Restacking
Addendum No. 4
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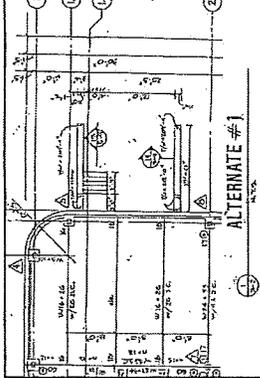
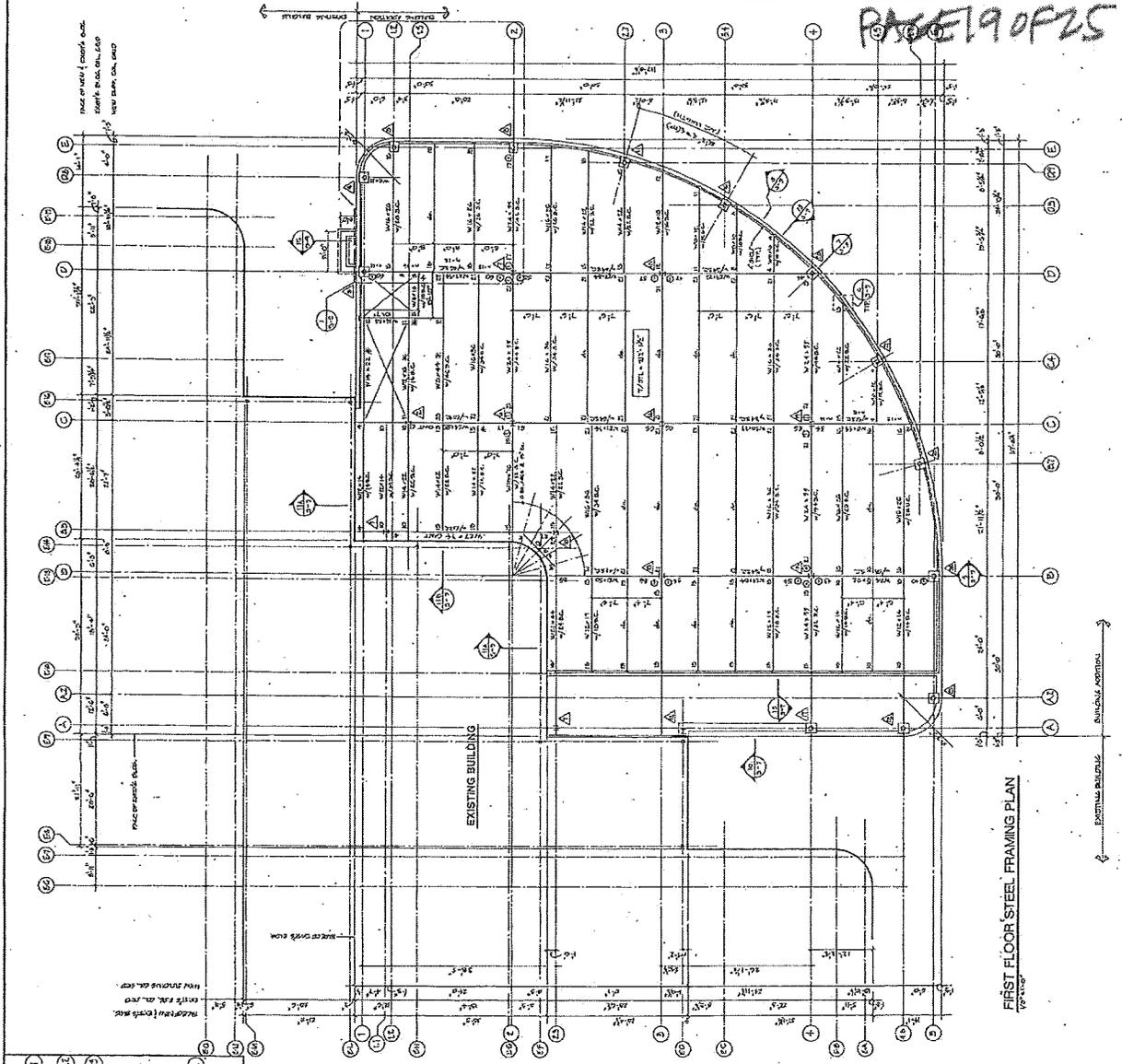


(A7) EXT. WALL SECTION AT ENTRY
 (A8) TYP. EXT. WALL SECTION



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PAGE 19 OF 25



CT - DESPP Headquarters
Restacking
Addendum No. 4
Project No. BI-N-338

PLAN NOTES:

1. See site elevation - 2010-10-10 - 2010-10-10
2. See site elevation - 2010-10-10 - 2010-10-10
3. See site elevation - 2010-10-10 - 2010-10-10
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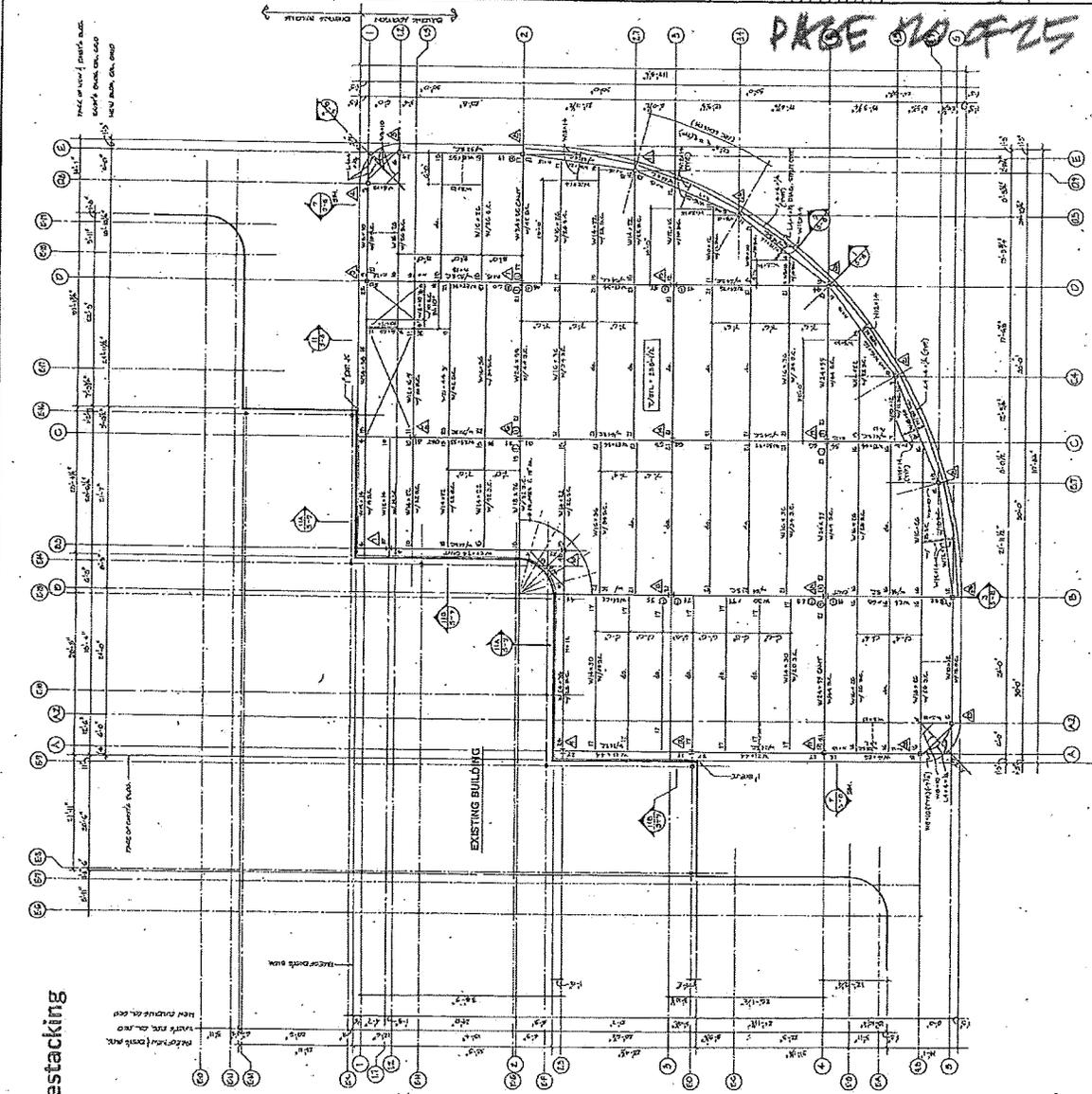
NO.	DESCRIPTION	DATE

NO.	REVISION	DATE

Midpoint One Addition
 MECHANICAL / CONCRETE

SECOND FLOOR FRAMING PLAN
 DATE: 08/14/13
 DRAWN BY: JAC
 CHECKED BY: JAC
 SCALE: S-3

CT - DESPP Headquarters Restacking
Addendum No. 4
Project No. BI-N-338



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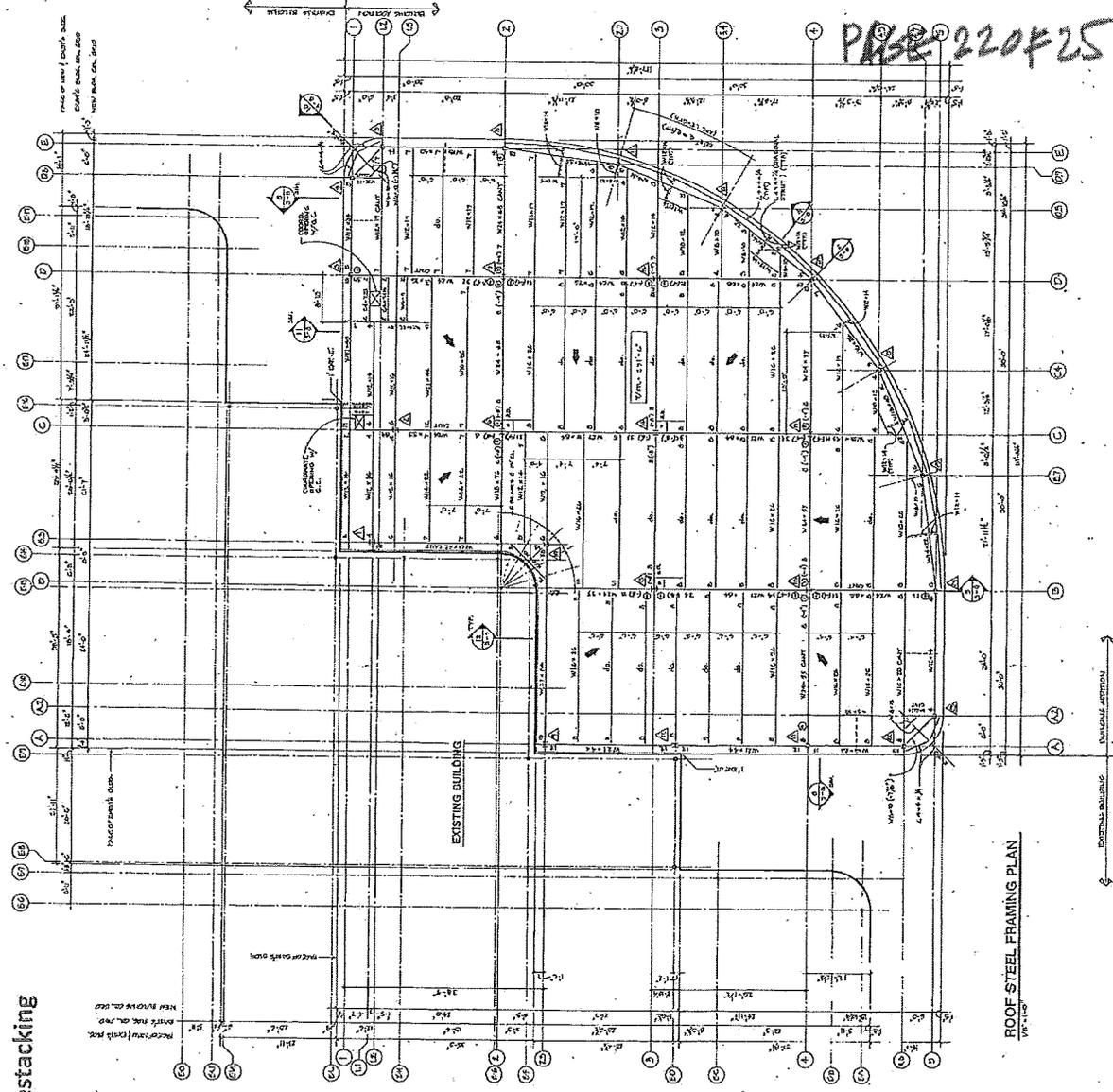
PLAN NOTES:

1. See site conditions.
2. See notes on drawings.
3. Floor composition = 10/12" thick concrete slab on 2" deep, 18" x 18" steel joists.
4. See notes on drawings.
5. See notes on drawings.
6. See notes on drawings.
7. See notes on drawings.
8. See notes on drawings.
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SECOND FLOOR FRAMING PLAN
 10/13/13

NO.	REVISION	DATE

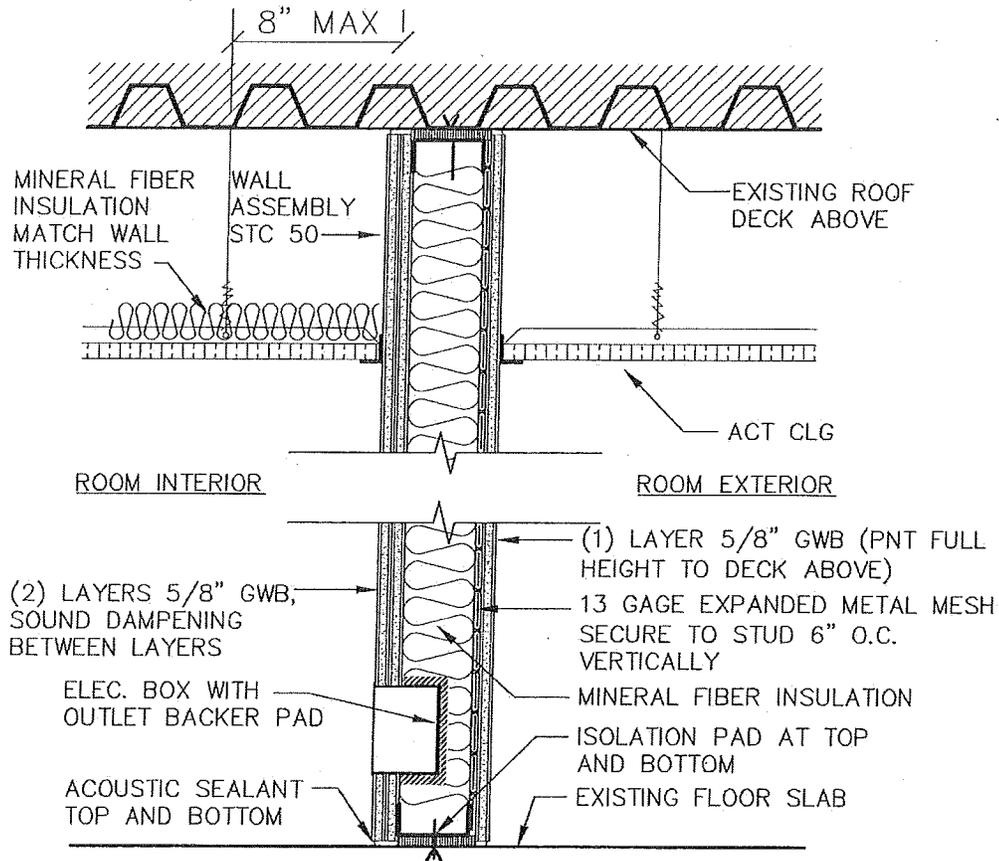
NO.	REVISIONS



CT - DESPP Headquarters Restacking
Addendum No. 4
Project No. BI-N-338

PLAN NOTES:

1. The steel framing is shown in black.
2. All members to be added shall be indicated in red.
3. All members to be removed shall be indicated in red with a diagonal slash.
4. All members to be replaced shall be indicated in red with a diagonal slash and a new member size.
5. All members to be replaced shall be indicated in red with a diagonal slash and a new member size.
6. All members to be replaced shall be indicated in red with a diagonal slash and a new member size.
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12. All members to be replaced shall be indicated in red with a diagonal slash and a new member size.



COMMUNICATIONS ROOM

3 WALL DETAIL
 A1.3 SCALE: 1 1/2"=1'-0"

**moser
 pilon
 nelson
 architects**
30 JORDAN LANE
 WETHERFIELD, CT. 06109
 860 583 8184

PROJECT TITLE
DESPP HQ Restacking
 First Floor South, Center and North, Third Floor South and Center
 1111 Country Club Road, Middletown, Connecticut

SKETCH TITLE
REVISED WALL DETAIL

ADDENDUM NO. 4 PROJECT NO. BI-N-338

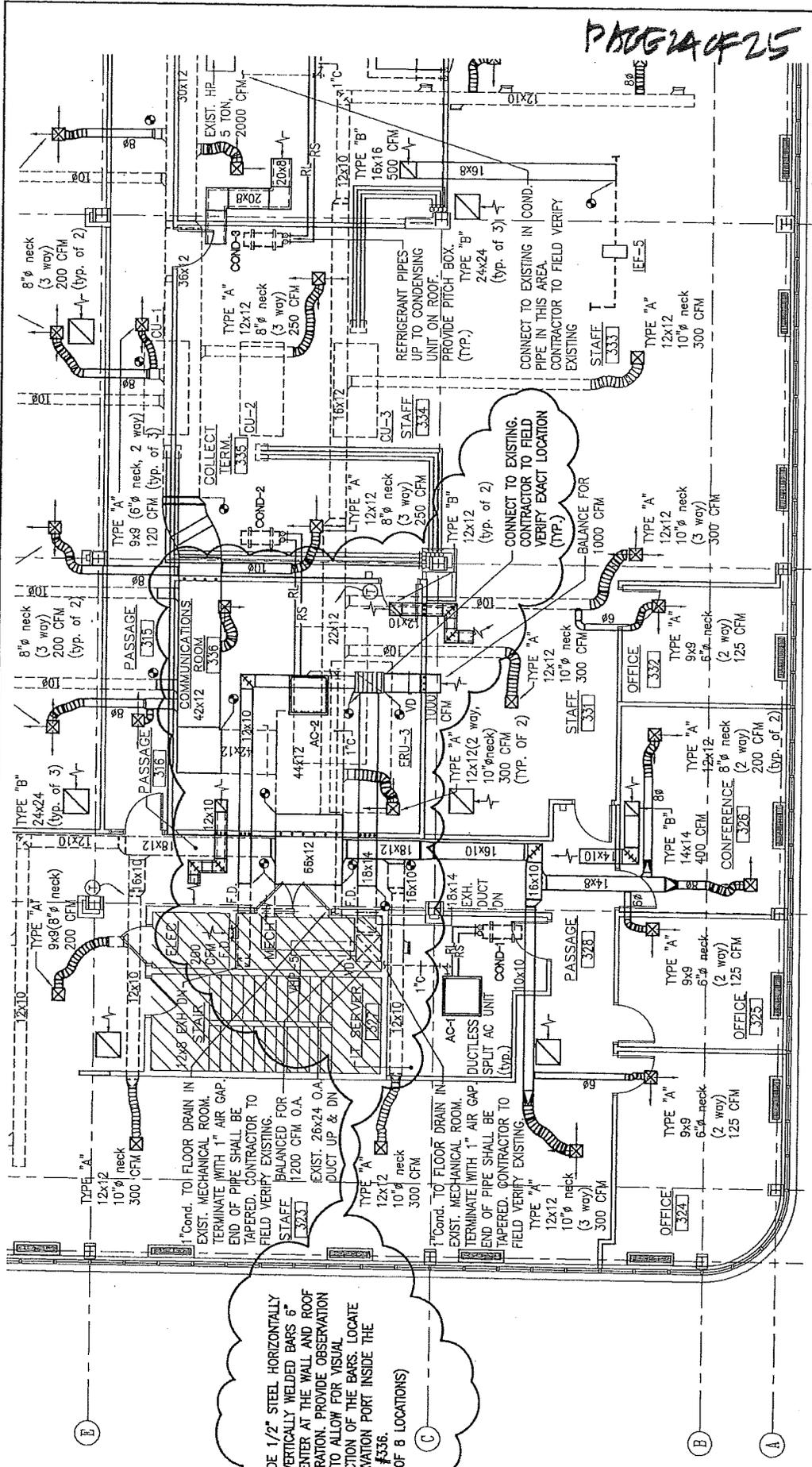
DATE 12/16/2015

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 Moser Pilon Nelson Architects

SCALE: AS NOTED

SKETCH NO.

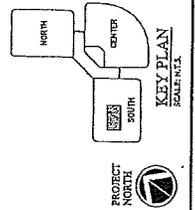
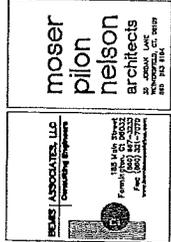
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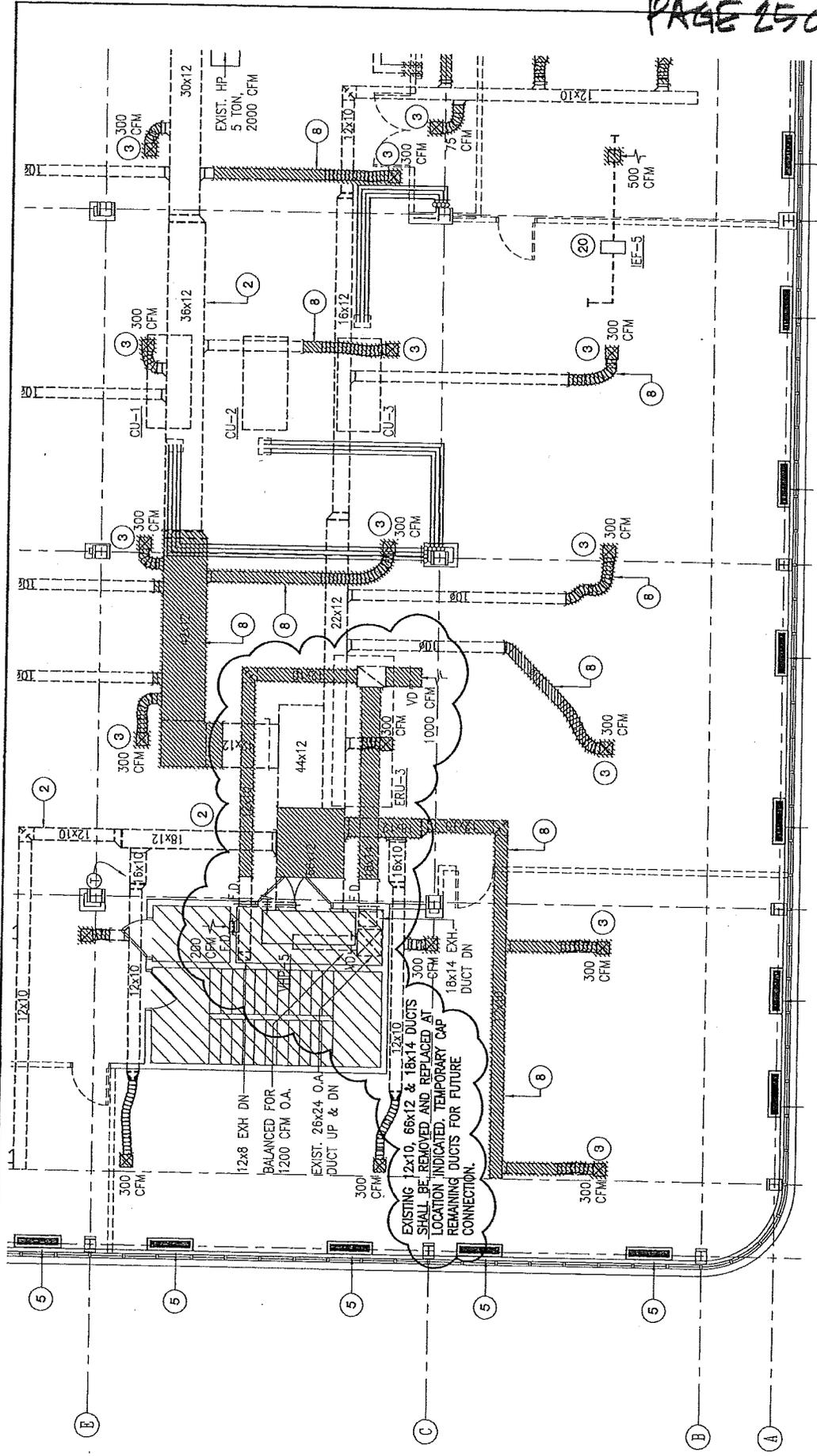
PROVIDE 1/2" STEEL HORIZONTALLY AND VERTICALLY WELDED BARS 6" ON CENTER AT THE WALL AND ROOF PENETRATION. PROVIDE OBSERVATION PORT TO ALLOW FOR VISUAL INSPECTION OF THE BARS. LOCATE OBSERVATION PORT INSIDE THE ROOM #336. (TYP. OF B LOCATIONS)

DATE 12/15/2015
 COP YR(O)HT ©
 Moser Plan Nelson Architects
 SCALE: AS NOTED
 SKETCH NO. SKM3.1-1

PROJECT TITLE
 CT.-DESPP Headquarters Restacking
 First Floor South, Center and North, Third Floor Center
 1111 Country Club Road, Middletown, Connecticut
 PROJECT NO. BI-N-338
 SKETCH TITLE
 REVISED SECURITY NEW DUCTS
 Addendum No. 4



THIRD FLOOR MECHANICAL PART PLAN - SOUTH
 SCALE: 1/8"=1'-0"
 PROJECT NORTH



1 THIRD FLOOR MECHANICAL DEMOLITION PART PLAN - SOUTH
 SCALE: 1/8"=1'-0"

PROJECT TITLE

CT--DESPP Headquarters Reshocking
 First Floor South, Center and North, Third Floor Center
 1111 Country Club Road, Middletown, Connecticut

DATE 12/16/2015

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 Moser Pilon Nelson Architects

SCALE: AS NOTED

SKETCH NO.
 SKMD3.1-1-1

moser pilon nelson architects
 ARCHITECTS
 1111 COUNTRY CLUB ROAD
 MIDDLETOWN, CT 06457
 TEL: (860) 341-7200
 FAX: (860) 341-7201
 www.mpn.com

DESIGN ASSOCIATES, LLC
 Consulting Engineers
 1111 COUNTRY CLUB ROAD
 MIDDLETOWN, CT 06457
 TEL: (860) 341-7200
 FAX: (860) 341-7201
 www.dasinc.com

PROJECT
 NORTH
 CENTER
 SOUTH

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

END OF APPENDUM NO. 4