Unit F

ADDENDUM NO. 1

11 September 1978

First Addendum to conditions, specifications, related documents and drawings entitled:

UNIT F - PHARMACY AND NURSING FACILITY (P/N)

UNIVERSITY OF MINNESOTA - MINNEAPOLIS CAMPUS
HEALTH SCIENCES EXPANSION
PROJECT NOS. MINN. BHRD-HP-5C-063
BHRD-NU-5C-077

THE ARCHITECTS COLLABORATIVE, INC. Cambridge, Massachusetts

HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.
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The additions, revisions, omissions, corrections and clarifications contained herein shall be made to drawings and specifications for the project and shall be included in the scope of work and proposals to be submitted. References made below to specifications and drawings shall be used as a general guide only. Bidders and Contractors shall determine for themselves the work affected by Addendum items.

PROJECT IDENTIFICATION - ALL CONTRACTS

1. Project Identification: (A) There are some locations throughout the Conditions, Specifications and related documents where Project identification titles and acronyms are incorrect. The correct Project Identification is:

   UNIT F - PHARMACY AND NURSING FACILITY (P/N)

   (B) Bidders are advised that the term "Unit P/N" is incorrect and should be changed to "Unit F" except in page identification where the word "Unit" should be omitted.

BIDDING REQUIREMENTS - ALL CONTRACTS

2. Section A1 - Advertisement for Bids: (A) The correct date for receipt of bids is:

   2:00 P.M. C.D.T., September 28, 1978

   as published on the line starting "Bids Close:" In the fourth line of the first paragraph of text change "September 21" to read: September 28.

3. Section A2 - Instructions to Bidders: (A) Paragraph 1.2.1; Change to read:

   1.2.1 Bids will be received for lump sum contracts as listed in the Advertisement for bids.

(B) Add:

ARTICLE 17 - PRE BID CONFERENCE

17.1 University and Bidders Pre-Bid Conference

17.1.1 The University will conduct a pre-bid conference for the benefit of bidders and all bidders are encouraged to attend. It is the intent to include pertinent interpretations, clarifications and other information which may be discussed, and which is not already a part of the Contract Documents, in subsequent addenda. Any discussion items not included in subsequent addenda are subject to the provisions of Article 6 of these Instructions to Bidders.

17.1.2 The pre-bid conference will be held:

Time: September 18, 1978 starting at 1:30 P.M.

Place: Room 2-520, Unit A Health Sciences Building

ARTICLE 18 - EXAMINATION OF EXISTING CONDITIONS

18.1 Arrangements for Examination

18.1.1 Bidders may examine exterior areas and public spaces (i.e. corridors and lobbies) in adjacent buildings at their convenience at any time from 8:30 a.m. to 4:30 p.m.

18.1.2 For all other interior areas of adjacent spaces, the Bidders shall make arrangements to examine the areas by appointment. Arrangements may be made to examine the areas each Monday and Wednesday, starting at 9:00 a.m. Arrangements shall be made with Oliver Hughes at the University, phone (612) 376-1391.

(C) Article 5, paragraph 5.5: Add:

5.5.3 Partial Sets, as grouped sets, may be obtained from the Architect/Engineer by Bidders for a contract with the University for use as second or additional sets, and by subcontract bidders for the deposit amount scheduled below. Refunds for these partial sets will be made as scheduled, provided the full partial set is returned to the Architect/Engineer in good condition within 10 days after bid date. Any partial sets issued will be used at the Bidder's risk and shall not relieve the Bidder from thoroughly examining the complete set of drawings and specifications and all other Contract Documents.

	Deposit	Refund
General Construction Drawings (set A) (Architectural/Structural/Vertical Transportation)	$120.00	$ 60.00
Mechanical Construction Drawings (set M)	$100.00	$ 50.00
Electrical Construction Drawings (set E)	$ 80.00	$ 40.00
Bidding Requirements, Contract Forms, Conditions of Contract and Division 1, General Requirements, all Contracts (Volume 1)	$ 25.00	$ 12.50
Specifications, Division 2 thru 14 (Volume 2)	$ 25.00	$ 12.50
Specifications, Divisions 15, 16 (Volume 3)	$ 25.00	$ 12.50

DIVISION 1 - GENERAL REQUIREMENTS - ALL CONTRACTS

4. Section 01010 - Summary of Work and Special Requirements: (A) Article 1.3, paragraph A.1: Add:

d. Traffic Signal and sign sleeves.

(B) Article 1.24. Add:

G. General Contractor shall provide covered and protected walkway past site along Washington Avenue and shall maintain walkway until it is no longer required. General Contractor shall obtain and pay for use of street permit, if required, and shall coordinate provision and maintenance of this walkway with the City of Minneapolis Traffic Department.

5. Section 01070 - Cutting, Removal and Patching: (A) Article 3.6, paragraph A: In the second line, change "BC/ECX" to read "P/N-ECX."

6. Section 01100 - Description of Alternates: (A) Article 2.1, Deductive Alternate No. 11: In line 2 change the remainder of the sentence after "fluorescent lighting in" to read: "rooms listed under Electrical Construction E-11 below."

7. Section 01500 - Temporary Facilities: (A) Page 01500-1: The page identification on the bottom of this page is incorrect. Change "Unit B/C" to read "P/N".

SPECIFICATIONS - GENERAL CONSTRUCTION

8. Section 04200 - Unit Masonry: (A) Article 3.3, paragraph J: Change detail reference to read "37A/A11-4."

9. Section 04260 - Brick Pavers: (A) Article 1.1, paragraph B: Add: "... for exterior use and Paver Tile - for Interior use."

(B) Article 1.1, Paragraph C: Add.

2. Paver Tile: Installed under Section 09300."

(C) Article 2.1, add:

"B. Paver Tile: Provide same manufacture and blend as brick pavers, except modular 4" x 8" x 1" thick."

10. Section 05500 - Metal Fabrications: (A) Article 1.1, paragraph C: Add:

12. Galvanized grating at cage and rack washer pit: Section 11770, (see 46/A11-6).

(B) Article 2.4, paragraph 0.2: Change to read: 2 FOK #2 zinc plated eye bolts to be tapped into frame reinforcement by General Contractor 3'-4" above sill.

(C) Article 2.4, paragraph P: Change tree grate catalog number to R-8611, 180° square.

(D) Article 2.4. Add:

"R. Provide support assembly for each ceiling electrical service reel (equipment item M471) consisting of four 3/8" diameter rods approximately 36" long fastened to Akerman nuts at fixture and to structural construction above, with 4 anti-sway bars (1/8" x 1") at maximum 60 degree slope from fixture to ceiling, one per side."

(E) Article 2.6, paragraph A. Add to list of fabricated items: Changing room bench pedestals.

11. Section 06400 - Custom Woodwork: (A) Article 2.9, paragraph A: Add: Redwood shall be California Redwood Association grade "Construction Heart".

(B) Page 5, Article 2.10 is the end of Section 06400. Custom Woodwork items are installed under Section 06100.

12. Section 06412 - Plastic Laminate Casework: (A) Article 1.1, paragraph B.1: At the end of line 2: Change "Lockers" to "Locker Enclosures".

(B) Article 2.5, paragraph A.4: Change: "in 1-1/8" thickness (total top thickness - 1-1/4")" to read "in 3/4" thickness with edges built up to 1-1/4", 3-1/2" wide."

(C) Article 2.6

1. Delete paragraphs, G, H, I, L, M, N, O, P, Q, R, and S.

2. Add new paragraph G - Locks: Provide locks for doors and drawers where indicated on casework elevations. Locks for the purpose of coordinating keying systems, shall be Illinois "Duo", Type A, or approved equal, offering 2 sets of 5 primary tumblers and one set of 4 secondary tumblers. Locks shall be Grand Master keyed to Owner's existing GM Key System. Controlled key blanks and registered key plan shall be used to assure a complete security system. Locks offering other than a non-duplicating system will not be accepted. Keying as directed by Owner. Casework contractor shall meet with Owner to establish keying schedule.

3. Add new paragraph H - Elbow Catches: Cadmium plated steel elbow catches and strike plates shall be used on left-hand doors of double door cases where locks are used.

(D) Article 2.6, paragraph J; Line 5: Change the word "surface" to "recess".

(E) Article 2.9, paragraph A: Delete reference to perforated hardboard.

(F) Article 3.1, paragraph I. Delete paragraph I in entirety.

13. Section 07600 - Sheet Metal Work: (A) Article 1.2, paragraph A.12. Delete subparagraph 12. Re: Enclosure for trash chute.

14. Section 08700 - Finish Hardware: (A) Article 1.2. Add:

"E. Samples.

1. The Contractor shall, prior to ordering hardware, submit samples of all items of hardware to be used on the project for approval by the Architect/Engineer. The samples shall be properly identified as to make and number and shall be furnished in the specified finish.

2. Hardware samples of substituted items shall be accompanied by a sample of the specified items for purpose of comparison.

3. Hardware items such as door closers, exit devices, three-point locks, etc., need not be submitted as samples, but shall be submitted by listing as to Number, Make, and Finish.

4. Approved samples will be forwarded by the Architect/Engineer to the University and if approved will be placed in the hands of the Owner's Construction Superintendent; who will use samples to check the quality and details of hardware furnished. Finally the samples will be returned to the Contractor for disposition or return to the Hardware Supplier."

(B) Article 2.15. Add.

"B. Each pair of doors with transom panel (types B and D) shall be trimmed with a Bommer 1072-26D plain door stop at the top of each door 2" away from meeting margin attached to the transom panel. See detail 19/A11-5.

15. Section 08800 - Glass and Glazing: (A) Article 2.5, paragraphs B and C:

1. Delete paragraphs B and C.

2. Add

B. Provide Garcy Hardware Assembly #3837 for four 1/4" thick tempered sliding glass doors. End doors to be fixed in each side of track with No. 4779 two-way stops screwed into opposite sides of lower track. Provide two #2460 portable locks.

(B) Article 2.6. Delete Article 2.6 in entirety.

(C) Article 3.5. Delete Article 3.5 in entirety.

16. Section 08900 - Curtainwall Systems: (A) Part 3; Add:

3.14 Reuse of Existing Windows (Contractor's Option)

A. Curtainwall Contractor may, at his option, reuse existing windows from Unit "A" that are removed to accommodate the new construction, subject to the following requirements:

1. Window shall fit new location without modification. Do not use elsewhere.

2. Profile of the new windows to match exactly the profile of existing windows to be reused. Shop drawings of existing windows in Unit "A" are available at Architect's office for Contractor's inspection.

3. Finish of new windows to match finish of existing windows to be reused within the approved permissible color variation sampers per Unit "A". Approved color variation samples per Unit "A" are available at Architect's office for Contractor's inspection. Owner reserves the right to reject up to 10% of the existing removed windows for poor finish match.

4. Provide new glazing gaskets for existing windows to be reused.

5. Procedure for re-using windows to be as follows:

a. Carefully remove glass and store and protect, conform to Article 1.8 herein.

b. Remove existing glazing gaskets and properly dispose of. Do not reuse existing glazing gaskets.

c. Remove window frames and store and protect - conform to Article 1.8 herein.

d. Clean window frames. Remove all sealant residue.

e. Install window assemblies in nes construction.

f. Furnish and install new glazing gaskets.

g. Reglaze units.

h. Replace any broken, scratched or otherwise damaged glass and any glass that does not fit properly.

17. Section 09100 - Lath, Plaster and Gypsum Drywall: (A) Article 2.1, paragraph R:

(1) Delete the words: "as detailed".

(2) Add: Refer to Section 13500, Article 2.1 for criteria for Contractor's design of spring suspension system.

18. Section 11611 - Metal Lab Casework: (A) Article 1.1, paragraph C: Add.

7. Desk units designated as DU48LH or RH or DU48LH or RH: Section 06412.

19. Section 11613 - Lab Tops & Accessories: (A) Article 2.3, paragraph A: Line 3, change 1-1/4" dimension to 3/4" (see Detail 45/A12-4.)

(B) Article 2.3, paragraph B: Add: "...for Laboratory Tops; solid colors, general purpose grade, colors as selected by Architect at all other locations. Equivalent products of Wilson Art, Micarta and Textolite are acceptable.

20. Section 11770 - Sterilizers: (A) Page 11770-4. At tope of page, change Article No. "2."to read: 2.6.

(B) Article 2.6 - Add:

P. Provide galvanized steel grating and galvanized angle framing as detailed for cage and rack washer pit. (See 46/A-11-6)

21. Section 13500 - Integrated Ceiling System: (A) Article 1.3, paragraph B.2. Line 3 - change "detail 1/4-10" to "detail 3/A4-2."

(B) Article 2.1, paragraph A. Add:

(1) In the last sentence, delete the words "as detailed."

(2) Contractor is to design spring or resilient suspension to satisfy above criteria.

22. Section 13713 - Environmental Rooms: (A) Article 2.1, paragraph A.5. Add: All wall panels shall have 2x6 cast-in at top, 10" from ceiling and 2x6 cast-in 6" from floor. Provide additional 2x6 members in panels as required to support wall mounted casework, fixtures and/or equipment. Confirm locations on shop drawings.

SPECIFICATIONS - MECHANICAL CONSTRUCTION

23. Section 15010 - General Provisions: (A) Article 1.14, paragraph E.6.c. Add the following to the end of the paragraph: Pressure changes due to temperature changes will be permitted.

24. Section 15120 - Valves: (A) Article 2.2, paragraph 6.10. Add the following item number 9 of paragraph G:

10. Balancing cocks over 4" size shall be lubricated plug type Walworth.

25. Section 15130 - Piping Specialties: (A) Article 2.13, paragraph A.3. Delete subparagraph 3 in entirety.

26. Section 15140 - Mechanical Supporting Devices: (A) Article 2.1, paragraph D. In the 5th sentence of the paragraph, delete the word "sul.l" and add the following in its place: "full".

27. Section 15150 - Vibration Isolation: (A) Article 2.2, paragraph B.9.a. In the only sentence of Subsection 9, delete the word "interior" and add the following in its place: "inertia".

28. Section 15260 - Soil & Waste System: (A) Article 2.4, paragraph D.1. Delete the item number "ZN-1400-6" and add the following in its place: "Z-1400-6".

29. Section 15500 - Fire Protection System: (A) Article 2.3. In the 2nd sentence of the paragraph, delete the item number "#UR-20-25" and add the following in its place: #UR-20-2.5.

30. Section 15570 - Fuel Handling System: (A) Article 2.3, paragraph A. Delete the last two sentences of this paragraph and replace with the following: Necessary wiring and transmission to Unit "A" data center will be provided by the University.

(B) Article 2.3, paragraph C. In 4th sentence of the paragraph, delete the words "drip tank" and add the following in their place: "drip pan".

31. Section 15600 - Steam Heating System: (A) Article 2.5, paragraph A. In the 1st sentence of the paragraph, delete the letters "CVD" and add the following in their place: "CUB".

32. Section 15650 - Hot Water Heating System: (A) Article 2.7, paragraph C. In 4th sentence of the paragraph, delete the letters "PM" and add the following in their place: "RPM".

33. Section 15710 - Radiator Coolant System: (A) Article 2.1, paragraph A. Replace the first sentence with the following: Furnish and install a removable bundle, shell and tube, single pass, glycol/water to glycol/water heat exchanger having steel channels, 3/8" O.D. admiralty brass tubes, steel tube sheets and steel shell.

(B) Article 2.3, paragraph A.3. Replace subparagraph 3 with the following:

3. Furnish and install McDonnell Miller Series 69 float switch set at one quarter level to indicate a low level condition in the tank. Necessary wiring and transmission to Unit "A" data center will be provided by the University.

(C) Article 2.6, paragraph B.3. Delete the word "Vicking" and add the following in its place: "Viking".

34. Section 15800 - Ventilation and Air Conditioning: (A) Article 1.1, paragraph D.4. Delete the word "flor" and add the following in its place: "flow".

(B) Article 2.9, paragraph G.

1. In 2nd sentence of the paragraph, delete the word "Soes" and add the following in its place: "Sones".

2. In the 5th sentence of the paragraph, delete the word "corved" and add the following in its place: "curved".

3. In the 7th sentence of the paragraph, delete the word "plus" and add the following in its place: "plug".

(C) Article 2.11, paragraph E. Delete the number "2.11" and add the following in its place: "2.12".

(D) Article 2.13, paragraph C: In the 1st sentence of the paragraph, delete "6/M-S8 and 7/M-S8" and add the following in its place: "6/M-58 and 7/M-58".

35. Section 15900 - Air Conditioning Refrigeration: (A) Article 2.1, paragraph E.2.a. In the 2nd sentence of the paragraph, delete the word "linet" and add the following in its place: "inlet".

36. Section 15950 - Environmental Control Systems: (A) Article 2.2, paragraph B: In the 2nd sentence of the paragraph, delete the word "cost" and add the following in its place" "test".

(B) Article 2.8, paragraph L.4. Add the following to the 4th sentence of the paragraph after the word Sheet: "M-61".

(C) Article 2.8, paragraph 0.6. Add the following to subparagraph 6:

"The pneumatic controller shall have three control mode capabilities of proportional, automatic reset, and rate (derivative) within the following minimum performance and application criteria:

Tracking Accuracy: Within 0.5% of span

Repeatability: Within 0.1% of span

Controller shall be capable of remote set point adjustment and shall be permanently mounted in air flow control panel unless otherwise indicated. Each controller shall be provided with instruments (pressure gauges) to indicate the magnitude of the output signal in both the medium of the signal (psig) and the percentage of full output signal."

(D) Article 2.9, paragraph A.1.1 In the 1st sentence of the sub-paragraph, delete the word "discrimator" and add the following in its place: "discriminator".

(E) Article 2.9, paragraph I.1.g In the first sentence of the sub-paragraph delete the word "united" and add the following in its place: "unit".

(F) Article 2.9, paragraph I.1.j In the 1st sentence of the subparagraph delete the word "discrimator" and add the following in its place: "discriminator".

(G) Article 2.9, paragraph L.2.a Delete the word "Nide" and add the following in its place: "Mode".

(H) Article 2.9, paragraph DD.1. In the last sentence of the paragraph, delete the word "controlle" and add the following in its place: "controller".

(I) Article 3.0, paragraph D. For item #6, the work required is "Flow Switches (liquid)." For Item #12, the work required is "Provide auxiliary contacts". For Item #13, the work required is "Provide auxiliary contacts."

DRAWINGS - GENERAL CONSTRUCTION

37 - Drawing A2-1 - (A) Site Plan Notes: Add note:

6. See sheet A2-2 for more detailed extent of sitework and concrete sidewalk work.

38. Drawing A2-1, A5-2: (A) Detail 38/A5-2. Trees will not be planted immediately. General Contractor shall fill voids in sidewalks under tree grates with granular fill material. Strike off and compact flush with top of tree grate. Fill will be removed under a (future) landscaping contract.

39. Drawing A2-2: (A) Provide exposed aggregate strip in new sidewalk from east-west line between grid N/S and S1 to the edge of the first riser to the south. This dimension varies from the wall at the east to the western extent of the building.

(B) Change elevation 846-10 at top of precast rail at 3rd Floor at Grid E27 to read 847-6.

(C) Add Note: "Nitrogen valve box and Door P-1, see door elevation P on Sheet A11-5". Valve box is located 3'-1" west of Grid E31 in wall at Grid S6.

(D) Between Grids S25 and S26 and Grids E18 and E20, note should read "Mechanical Contractor to remove and replace concrete access panels as required for installation of Mechanical equipment".

(E) Delete "lights by Electrical" at 3rd Floor at grids E25 and E27 between Grids S9 and S10.

40. Drawing A3-1: (A) Basement Floor Plan. Indicate "Hardware Group 47" at each gate in wire mesh partition. Change wire mesh partition height to 8'-0" and indicate 3'-0" wide gates.

(B) Elevator pit at elevator number One should show floor drain with floor sloped to it rather than floor sloped to sump. Elevation at drain (- 1").

41. Drawing A3-2: (A) Reference at locker head should be 44/A12-5 sim and also 5/A4-1.

(B) Door Schedule Notes; add:

14. Unless otherwise indicated, all doors are 1-3/4" thick.

42. Drawing A3-3: (A) Door Schedule Floor 2.

(1) Delete Note 3 for Door #105B.

(2) Door 105B on Door Schedule Notes Column should read "See Spec. Section 08113."

(3) At Door #86, delete Note 13.

(4) On door schedule, Door P-1, Note should read "See Sheet A2-2 and Door Elevation P, Sheet A11-5".

43. Drawings A3-3, A3-4, A3-5: (A) Dimensjon from Grid S2 to insulated metal panel at south side of air intake shaft at core F2 should read 2'-3".

44. Drawing A3-4: (A) In Corridor 95, move F.E. cabin et from 3-1 west of Grid E18, to 3-1 south of Grid S5 in Corridor 96.

(B) Add F.E. Cab(s) 6'-2" west of Grid E14 at Grid S6 in Room 101.

(C) Add F.E. Cab(s) 6'-2" east of Grid E26 at Grid S6 in Room 114.

(D) Cabinet unit heater should be shown on north wall of Stair B at landing at Door 99B. See Mechanical and detail 25/A11-2.

(E) Blank section reference at Grid S10 between Grids E26 and E27 should be omitted.

45. Drawing A3-4, A3-5: (A) Section reference 35/A8-1 at Grid S9 between E16 and E17 should be 36/A8-1.

46. Drawing A3-5: (A) Door Schedule Floor 4.

(1) Delete Note 3 for Door #129C.

(2) Door 106 on door schedule should read "Width - 5'-5-1/2".

(B) 4th Floor Plan:

(1) Locate door 4-106 so that south jamb abuts east-west partition.

(2) At Room 129, add elevations:

56/A12-5 at north wall
57/A12-5 at east wall
58/A12-5 at south wall

(3) Add wall mounted curtain tracks above observation windows as per detail 3/A11-5 in Room 4-121 and 4-122.

(4) Reference on Grid E27 between Grids S3 and S4 should read 8/A11-1 rather than 28/A11-5.

(5) Relocate Item M427 in Exam Rooms #107, 109, 110, 111, 112, 113, 114, 115 and 116 as follows: Rooms 109, 114 and 116: To south wall 3'-0" west of east wall.

(6) Rooms 107, 113 and 115: To North wall 3'-0" west of east wall.

(7) Room 111: To west wall 3'-1" each way from Grid S4.

(8) Room 112: To north wall 3'-0" east of west wall.

(9) Room 110: To south wall 3'-0" east of west wall.

47. Drawings A3-5 and A3-10: (A) At Door 90A omit 4'-1" dimension from Grid E19. At Door 90B omit 4-3-1/2 dimension from Grid E21.

48. Drawing A3-6: (A) Partition at Grid S8 between Grids E19 and E22 should be wall type Q - 2 hour.

(B) On Door Schedule, Door 80 should be frame profile Type 10.

49. Drawing A3-7: (A) Detail reference at Grid NS and E20 should read 28/A11-1 rather than 28/A7-1.

50. Drawing A3-8: (A) Door Schedule Floor 7. Delete note 3 for Doors #154, 155, 156.

51. Drawing A3-9: (A) Floor Plan. Revising sliding door 8-124C to indicate 3 doors side by side (each with its own track). See Appendix A, Sheet 1, for clarification.

(B) Floor drains should be shown outside of Environmental Control Rooms Numbered: 116, 127, 129. See Sheet M-11 for locations.

52. Drawing A3-10: (A) Floor drains should be shown outside of Environmental Control Rooms Number: 111, 122, 144. See Sheet M-12 for location.

(B) In Corridor 97, move F.E. Cab(s) from Grid E17/S3 area to east side of Corridor 96, 3 '-1" north of Grid S3 and change to fully recessed model.

(C) At Room #126 Dog Runs:

(1) Elevation at start of floor slope is 924-0.

(2) Elevation at end of floor slope is 923-11.

(3) Elevation at trench high point is 923-8.

(4) Elevation at trench low point is 923-5-1/2

(5) Elevation at tops of curbs is 924-4.

(a) Note also that sloped portion of floor extends from south wall to north wall. See Sheet S10 and Detail 2/S10.

(b) 4" wide curb should not be shown at west end of individual dog runs.

(D) In Room 130, south and east partitions should be Type F with filled or solid cores.

(E) Masonry partition along south side of Corridor 98 should be Type E with filled or solid core, and 1 hour rated.

53. Drawing A3-11: (A) Indicate "Hardware Group 47" at each 3'-0" wire mesh gate.

(B) Add Note: "At roof slabs, elevation of flat portions around roof drains is at normal structural slab elevation. Roof slopes are either 1/4" per foor or 1/2" per foot as indicated on plan to an elevation at roof edge of plus 1-1/4" or plus 2-1/2:.

(C) At Greenhouse Rooms 104 and 103, foor drains should be shown 18" west of Grid E25 and depressed (- 1").

(D) At catwalk to core F7, remove reference "Catwalk, see 7/A11-5".

(E) Masonry wall at Grid S2 between Grids E19 and E21 is 8" type F partition to structure above. Masonry returns to precast at Grids E19 and E21.

(F) Detail reference shown at jambs of Doors 98A and 98B should be 38/A11-4 rather than 11/A8-2.

54. Drawing A4-2: (A) Detail 3. "Required integrated ceiling System" should read "Required sample integrated ceiling system".

(B) Detail 4. In note that refers to screw track in top of main runner change 10 to 7/16" - 24 UNC (UNC is the thread series symbol designation of ANSI B1.1-1966.

55. Drawing A4-3: (A) Linear diffuser shown between Grids S1 and S2 and Grids E21 and E22 should be shown 6'-2" west of Grid E22.

56. Drawing A4-5: (A) Light fixture over lavatories at south side of Room 94, Floor 5, should align with fixture at north side of room. See Electrical.

57. Drawing A5-1: (A) Detail 1 and 2.

(1) Dimension from elevation 952-4-1/2 to 957-2-1/2 should read 4'-10"

(2) Dimension from elevation 957-2-1/2 to 970-7-1/4 should read 13'-4-3/4".

(B) Detail 3. Add Note: "See 4/A5-1 for new elevation of this work."

(C) Detail 11.

(1) Replace R28 panel, 3rd floor, Grid E18 with new corner. panel with the designation of R10.

(2) Replace panel R34 panel, 3rd Floor, Grid E17, with new corner panel with the designation of R11.

58. Drawing A5-2.: (A) Detail 1. Between Grids S7 and S6, J31 panel should read J1.

(B) Detail 5. Elevation should show hollow metal door and frame in lower right hand portion of louver. See 18/A9-3.

(C) Detail 20. Panel F4 should read "F3" and Panel F3 should read "F4".

(D) Detail 35. Panels between louver and window at Grid S2 at 3rd and 4th Floors should read F3, F4, F2 from top down.

(E) Detail 41. Precast panel at retaining wall should be shown extending west of Grid E28 4-1/4" to an elevation of 839-3-3/4. See 9/A7-3 reverse and 30/A8-3 reverse.

(F) Detail 42. Change note to read: "See 6/A5-1 for new elevation of this core."

(G) Detail 43. Add note: "See 5/A5-1 for new elevation of this work."

(H) Detail 44. The overall length and width remaining unchanged, see Appendix A, Sheets 2 and 3 for new profile and end conditions.

59. Drawing A6-1: (A) Detail 3. Panels C10 and C11. the overall length and bottom section remain unchanged, see Appendix A, Sheets 2 and 3 for new profile of upper section and for new end conditions Panel C10 and C11 are identical.

(B) Detail 6. At Panel F4, dimension from floor grid elevation to centerline of false joint should read 6-1/4" rather than 8-1/4".

(C) Detail 9.

(1) Delete Note: Cont slot formed w/met flash reglet.

(2) Panel I3 front elevation; overall panel height dimension is 4'-11-1/2".

(D) Detail 10.

(1) Rear elevation of panel J20 should show X'ed area the reverse of the X'ed area on front elevation.

(2) Lower lateral load connection above door opening should be 5'-8-1/4" below top of panel.

(3) At Panels J18 and J19, width should be 8-2.

(4) At Panel J36 vertical false joint should be shown 5'-1-3/8" from left edge to joint centerline rather than equidistant from each edge. Panel J37 is opposite of Panel J36.

(5) Panels J1 and J2 should have width dimension of 10'-2-3/4" and should show scupper opening at top of panel with reference to detail 29/A8-2.

(6) At Panels J24 and J25, omit all references to false joints shown dashed.

(7) Omit EQ-2/EQ-2/3-1/2" dimensions.

(8) At upper right corner of panel, 3-1/2" dimension refers to "X'ed area" omitted at J24 and J25 panels rather than to centerline of joint.

(E) Detail 12. Change overall vertical dimension of Panels L5 and L7 from 13'-6-3/4" to 13'-7-1/2".

60. Drawing A6-2: (A) Detail 2.

(1) At Panel N8 elevations A and B should show dimension of 4'-2" from top of panel to centerline of false joint.

(2) Add panel notation N2 directly below Panel N3. Dimension for Panel N2 at elevation A is 2'-3-1/2", at Elevation B it is 2'-0-1/4", and at Elevation D it is 2'-3-1/2".

(3) Note at elevations A and B should read "dashed lines indicate false joint at Panels N2 and N3." In addition, omit lower two false joints shown dashed and retain upper false joint shown dashed at 4'-2" below top of panel to centerline.

(4) At Panels N5 and N6, dimension from top of panel to centerline of upper false joint is 4'-2" and then down 8-1/2" to centerline of lower false joint.

(5) An additional false joint should be shown 4-2 from the bottom of Panel N5 to centerline, and 1'-9-1/2" from the bottom of Panel N6 to centerline.

(6) Overall height of panel N5 should be 18'-2-1/2" (not 18'-2-1/4").

7 Overall height of Panel N6 should be 14'-9-3/4".

(B) Detail 3.

(1) Dimension from FL4 to bottom of Panels S4 and S5 is 1-1/2".

(2) Dimension from bottom of panel S4 and S5 to Floor 5 is 13'-2-1/2".

(3) Overall width of panel is 9'-5-1/2" (verify).

(C) Detail 6.

(1) Add the new panel R10 under the R28 bubble. R10 is to be the same size and shape as Panel R28 in every respect.

(2) Add new Panel R11 under the R34 bubble. R11 is to be the same size and shape as Panel R34 in every respect.

(3) Add Note: R10 is the opposite of R11.

(4) Refer to Appendix A, Sheet 4 for detail references.

(5) Refer to Appendix A, Sheets 5 and 6 for detail references and details.

(D) Detail at upper center portion of Sheet (Panel S3) should be detail 6A rather than 6.

(E) Detail 6A. At Panel S3, dimension from 3rd Floor level to bottom of Panel is 3'-9-1/16".

(F) Detail 11. Overall panel height is 14-7.

(G) Detail 12.

(1) Panel 09 should be shown 5'-7" high.

(2) Panel 07 should be shown 4'-1-3/4" high.

(3) Front elevation of Panel 09, false joint cross reference should be 7/A6-3 (not 3/A6-3).

(H) Detail 14. Panels 07, 08, 09, rear elevation note should read "extent of Panels 07 and 08."

61. Drawing A6-3: (A) Detail 1. Add note "Panel A17 has a false scupper, see 20/28-2."

62. Drawing A6-4: (A) Detail 1:

(1) Add cast-in reglet for Panels J36 and J37.

(2) Overall height of Panels J1 and J2 is 18'-2-1/2".

(3) Omit dimensions for Panels J22 and J23.

(4) Overall height of Panel J30 is 14'-9-3/4".

(B) Detail 7. Add cast-in reglet similar to detail 5/A6-4.

(C) Detail 11.

(1) Title should read: Panel Type R and G3".

(2) Omit dimension "2'-1-3/4" at R6" from bottom of panel to centerline of lateral connection.

(3) Change overall vertical dimension of panel R28 from 13'-6-3/4" to 13'-7-1/2".

(4) Change overall vertical dimension of Panel R34 from 13'-1-1/2" to 13'-7-1/2".

(D) Detail 12. Change note "replace Z bracket vertical connection at R29, R30,R31, R32, R34, R37, R38 with angles in this location" to read: Replace Z bracket vertical connection at R10, R11, R29, R30, R31, R32, R34, R37, R38 with angles in this location.

(E) Detail 16.

(1) Title should read: "Panel Types L, Y, J and S."

(2) Change overall vertical dimension of Panels L5 and L7 from 13'-6-3/4" to 13'-7-1/2".

63. Drawing A6-5: (A) Detail 6.

(1) Overall height of Panel H3 is 4'-11-1/4".

(2) The K3 notation at overall dimension should be changed to K5.

(B) Detail 8. Delete all overall panel dimensions and refer to Sheet A6-2 for specific panel dimensions.

(C) Detail 23.

(1) Dimension from bottom of panel to centerline of false joint at Panel J27 is 4'-2".

(2) Delete any mention of Panel J31.

(D) Detail 38.

(1) The 4-'3-1/2" dimension should be changed to 3'-11-1/2".

(2) Dimension from top of steel to bottom of panel is 6".

64. Drawing A6-6: (A) Detail 23. See Appendix A, Sheet 2 for new profile of upper section of Panel C10 and C11.

(B) Detail 31. Vertical dimension of 7" at bottom of Panel should read 6".

(C) Detail 33. Dimension centerline of lateral load connection to top of panel 1'-1" and cross reference lateral load connection to 9/A6-3 similar.

65. Drawing A7-1: (A) Detail 13.

(1) Stair up to floor five should be shown against wall at Grid S8 rather than 6" away. See Plan A3-5.

(2) Refer to Appendix A, Sheet 7 for detail of rail cap at wall on Grid S8.

66. Drawing A7-2: (A) Detail 7. Masonry wall at Grid S_2 between Grids E19 and E21 is 8" type F partition and should be shown extending to structure above.

(B) Detail 25. Section should show W8x17's 1'-2" from Grids S6 and S7 at 4th Floor basic steel elevation. See Structural. Both beams should also be referenced to 41/A8-2.

67. Drawing A7-3: (A) Detail 5. Section should show W8x17's 1'-2" from Grids E17 and E18 at Third Floor basic steel elevation. See Structural. Both beams should also be referenced to 41/A8-2.

(B) Detail 6.

(1) Section should show beams 1'-2" from Grids E12 and E13 at basic steel elevation. See Structural.

(2) 1-1/2" rigid insulation on inside of walls should extend down to existing floor.

(C) Detail 7. See 33/S21 for accurate profile of wall at Grid E29.

(D) Detail 9.

(1) At Floor 2, "precast panel at retaining wall" should show an elevation of 339-3-3/4 to start of notch at upper left portion of panel. Add note "See 41/A5-2 (reverse) for retaining wall."

(2) Elevation at top of precast rail at 3rd Floor at Grid E27 should read 847-6 rather than 846-10. See Appendix A, sheets 2 and 3 of this Addendum for detail.

(E) Detail 17. Top of rail elevation between Grid S7 and S9 at 3rd Floor is 847-6 (not 846-10).

68. Drawing A8-1: (A) Detail 35. Wall Section. 35/A8-1 is used for 2 details. Change wall section reference to 36/A8-1.

69. Drawing A8-2: (A) Detail 2. Omit reference to 2/A6-3. Corner of side panel should be square, not beveled.

(B) Detail 18. Dimension from grid to interior face of 4" louver is 1'-11-3/4" rather than 1'-8".

(C) Detail 19. Dimension from grid to interior face of 4" louver is 1'-11-3/4" rather than 1'-8".

(D) Detail 23. Eliminate dashed lines showing location of insulated metal panel at Core F2. Eliminate dashed lines showing 2 pipes at Core F2. Eliminate dimension 13" at Core F2.

(E) Detail 29. Dimension to bottom of scupper opening (at exterior side of panel) from floor grid elevation is 9".

(F) Detail 35.

(1) Plaza to right of grid is existing and should be shown shaded.

(2) Existing plaza to left of grid is removed for building construction and rebuilt to new elevation shown on Sheet A2-2.

70. Drawing A8-3: (A) Detail 1. Replace 3/4" plywood with insulated 16 gauge metal panel on metal stud back-up; metal stud to occur at radiation enclosure support bracket and horizontal brace locations.

71. Drawing A9-1: (A) Detail 19. Include following note: "dashed line indicates support brackets below."

(B) Detail 23. Formed steel fixed panel dimension should be 1'-2-5/8" rather than 1'-0". Formed steel removable panel dimension should be 10-5/8" rather than 1'-1-1/4".

72. Drawing A9-2: (A) Detail 13.

(1) Add dashed-in grid line 1/2" to the left of the grid line shown.

(2) Add dashed-in line extending up the "line of concrete base".

(3) Label new dashed-in grid line and wall line: "Grid and wall location at Type R-4 radiation enclosure jamb detail".

73. Drawing A9-3: (A) Detail 23. Detail should show 2x8 blocking for cant instead of insulated cant.

(B) Detail 31. Delete detail.

(C) Detail 35. Galvanized heavy duty grate should be described as having 4" x 1/4" bearing bars L-3/8" on center with 1" x 1/4" rectangular cross bars 4" on center.

(D) Detail 35D. Note should read "precast concrete light bollard, see 23/A10-1."

74. Drawing A10-2: (A) Detail 7.

(1) Section at Floor 3 should show existing slab poche'd as 2" concrete on 3" metal deck with 1-1/4" concrete topping added new this contract.

(2) Change new paver tile in mortar bed on left side of detail to 1-1/4" concrete topping.

75. Drawing A11-1: (A) Detail 2.

(1) Change note to read "4x8x2-1/4 bricks, reinforce as required".

(2) Change cut brick note to read "at brick over 3" metal deck, saw cut brick as required to match brick pattern at treads."

(3) For brick pattern see Appendix A, Sheet 8.

(4) 2'-5-1/2" dimension should be 2'-5-3/4".

(B) Detail 3. Change note to read "4x8x2-1/4 bricks, reinforce as as required."

(C) Detail 23

(1) Change note to read "4x8x2-1/4 bricks, reinforce as required. At brick over 3" metal deck, saw cut brick as required to match brick pattern at treads."

(2) For brick pattern see Appendix A, Sheet 8.

(3) Arrow from note "concrete filled steel pan" should point to steel pan to the left of beam rather than to metal deck to the right.

(D) Detail 24.

(1) Dimension from top of metal rail cap to top of 1" reveal is 1'-2-5/8" (verify) at Grid E21 and 1'-0" at right hand side of section.

(2) Concrete slab note shead read "3-1/4" concrete slab on 3" metal deck with top of slab depressed 1-1/4" where paver tiles are installed."

(3) Slab should stop 1-1/2" to the right (east) of Grid E21.

(4) 2'-5-1/2" width dimension of handrail should begin 1/4" right (east) of E21.

76. Drawing A11-2: (A) Detail 1.

(1) Section should show beams 1'-2" from both E19 and E21 at elevation 946-10, and should be referenced to 24/A8-1.

(2) Reference to detail 29/A8-1 at door head should say reverse. Reference to detail 30/A8-1 at door threshold should say reverse.

(B) Detail 25. Grid shown should be S1 and dimension to face of wall should read 2'-0".

77. Drawing A11-3: (A) Detail 20.

(1) Exterior precast shown adjacent to hollow metal frame should be core wall.

(2) Grids shown should be S2 and E19.

(3) Title of detail should read "Column Detail at door to Stair B at 3rd and 4th Floors."

78. Drawing A11-4: (A) Detail 12. 2" x 3" x 1/4" angles are continuous, with the 3" leg vertical. Dimension from bottom of slab or metal deck to top of concrete block partition is 1".

(B) Detail 17.

(1) Note 8 should read: "Align steel studs to maintain constant wall faces. Corridor wall faces are to be located based upon partition Type A unless noted otherwise. Partitions are typically located by steel stud centerline."

(2) Note 10 should read: "Head conditions at partitions to structure."

(C) Detail 38. Dimension from centerline of joint to exterior face of hollow metal should be 3" rather than 3-1/4".

(D) Detail 39. Recess at base of locker should be 1-1/2".

(E) Detail 40. Detail should show and note "acoustic insulation and vapor barrier" at interior side of air chambers. Acoustic insulation and vapor barrier to extend into door masonry opening and abut door frame.

(F) Detail 41. Note should read "acoustic insulation with vapor barrier" rather than "rigid insulation".

79. Drawing A11-5: (A) Detail 1. At door elevation P, detail reference should read 25K/A11-5 rather than 25B/A11-5.

(B) Detail 15. Note should read "for catwalk plan see 8/A11-3 and 41/A11-3."

(C) Detail 17.

(1) Reference 31/A11-4 should read 18/A9-2.

(2) Wall shown dashed centered on grid should be noted "partition where shown on plan - see detail 4/A3-5 sim for partition end".

(D) Detail 18. Change title for A to "head"; add title for B "jamb". Delete dimension 6-1/8" at 8-124C and refer to Appendix A of this Addendum for sliding door head detail for Door 8-124C.

(E) Detail 26. Change note "Alum. stop by Hdwe" to "thermal weatherseal".

(F) Detail 30. Change 1" x 3/4" x 3/4" x 1/4" steel angle to 1" x 3/4" x 1/4" cont. steel angle.

(G) Detail 32. Change detail key to 30/A11-5 instead of 31/A11-5.

80. Drawing A11-6: (A) Detail 20. Wall type 'D' note in ceiling space should read "Partition Type 'D' - 2 hour, seal around beams and truss as required".

(B) Detail 21.

(1) Dashed panel above dashed "telephone panel at Floor 4" should be noted "blank panel at Floor 4".

(2) Partition type 'D' note in ceiling space should read "partition type 'D' - 2 hour, seal around beams and truss as required."

(C) Detail 31.

(1) Elevation at trench high point is 923-8.

(2) Elevation at trench low point is 923-5-1/2. Spray flush (by Mechanical) should be shown 1-1/2" above bottom of trench at trench ends.

(D) Detail 38. Dimension from Grid S5 to wall is 6". Trench is 5-1/2" wide, from wall to 1/2" north of Grid S5. See structural detail 4/S10.

81. Drawing A12-2: (A) Detail 43. RElocate services at north end of south fume hood to south end of fume hood.

82. Drawing A12-5: (A) Detail 15. Locks are required for pairs of 6'-8" high doors. Doors are to be 7/8" thick.

(B) Details 21 and 53. Delete elevation 21 and detail 53.

(C) Detail 22. Add note "wood adjustable shelves, see 9/A12-4".

(D) Detail 26. Change detail key to 45/A12-5 instead of 39/A12-5.

(E) Detail 32: Indicate plywood dimension of 1-1/4" at sides and bottom. Hardwood at exposed edges. Indicate G.I. liner as #20 gauge by custom woodwork. Continuous aluminum angle 2x2x1/4 by Section 05500.

(F) Details 35 and 47

(1) Add note "desk units (DU) by plastic laminate casework" at each detail.

(2) Add Room "9-110" to title for detail 47.

(G) Detail 44: Add note: "Combustible materials shall be kept a minimum of 1/2" from light fixture."

(H) Detail 45. Section should show light fixture recessed in soffit over counter. See Electrical.

(I) Detail 47. Change key 56/A12-5 to 55/A12-5.

(J) Detail 52. Indicate hardwood by custom woodwork and steel pedestal assembly by metal fabrications.

83. Drawing S1: (A) Trench between grids S2 and S3 at air plenum #96 and trenches between Grids S2 and S3 and between S8 and S9 at air plenum #87 should be noted "4" deep x 12" wide trench; see Sheet A3-1 and detail 1/A3-1."

(B) Detail 9/S1

(1) Dimension from inside of elevator pit to Grid S7 should read 2'-2".

(2) 2-1/2" deep x 8" wide sill recess should be shown at south side of pit.

84. Drawing S20: (A) Structural Component Schedule.

(1) Concrete panel type "B" should be "B1"

(2) Concrete panel Type E5, floors 7 and 8, lateral component type should be S-6 and N (not S-6 and 5).

(3) Add Panel F4 to Structural Components Schedule, and add note in remarks column "See Note @ 6/A6-1."

(4) Panel I3, lateral component type, lower should be M.

(5) Panel J20, lower lateral connection should be D2 and C.

(6) Add another P5 and P7:
Upper Z and Z-10
Lower R and J at 8WF and 6WF - structural framing system detail 4
Vertical P

(7) Add new Panels R10 and R11 with upper lateral component Type R and lower lateral component type R and Z.

(B) Detail 25. Component R-1 is horizontal slot 4" below top of steel beam.

(C) Detail 26. Dimension from top of beam to underside of precast at panels C10 and C11 is 7-1/2" (not 6-3/4").

85. Drawing S21: (A) Detail 28. Add component Z-10; same as 2-9 except angle is welded to column flange 2" south of structure centerline.

DRAWINGS = MECHANICAL CONSTRUCTION

86. Drawings M-3, M-14, M-23 and M-50: (A) Incorporate Appendix B, Sheet 1, in Contract Documents. Drawings shows construction of concrete encasement for vertical drop of 6" domestic water and 8" fire mains.

87. Drawing M-6 (A) Partial Site Plan - Irrigation Piping. Pipe adjacent to 1" quick coupler south of building shall be identified as "1-1/2" polyethylene pipe capped for future".

88. Drawing M-13: (A) Delete 2" vent through roof shown over Greenhouse Link, Room 102. Extend 1-1/2" vent from sink in Greenhouse Room 103 to 2" vent through roof shown over Room 101.

89. Drawing M-34: (A) Add static pressure sensing station to 24x14 duct riser S-2F/3 in Core F7 at 1st Floor.

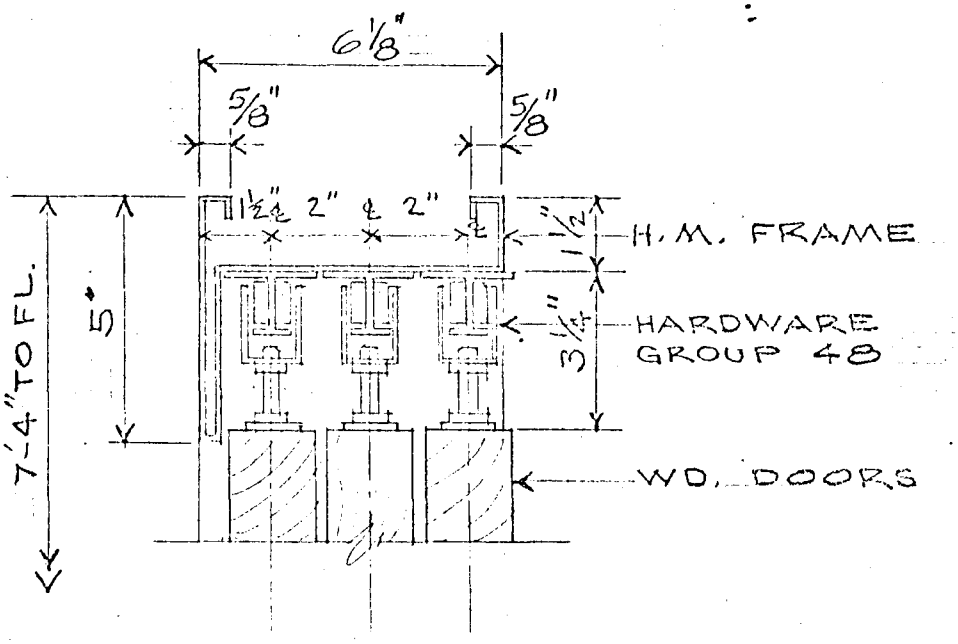
90. Drawing M-35: (A) The following change is to avoid conflict with light in Room 2-103. VAV Box serving Room 2-103 shall be located over corridor approximately 5' east of location shown. Supply connection shall be from east side of 16x10 main. 8x8 duct to diffuser shall enter Room 2-103 over the door of the room.

91. Drawing M-53: (A) Air flow monitor station shown for Supply Fan S-1F shall be 72" x 36" deep in a 72" x 36" duct section.

92. Drawing M-55: (A) Air flow monitor station shown for REturn Fan RE-6F shall be fan inlet diameter in a section of ductwork which is fan inlet diameter.

END OF ADDENDUM - SEE APPENDICES A & B.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON BID FORM.



1 SLIDING DOOR HEAD DET.

DOOR NO. S-124-C

3"=1'-0"

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JOB NO UNIT 1F
DRAWN AN
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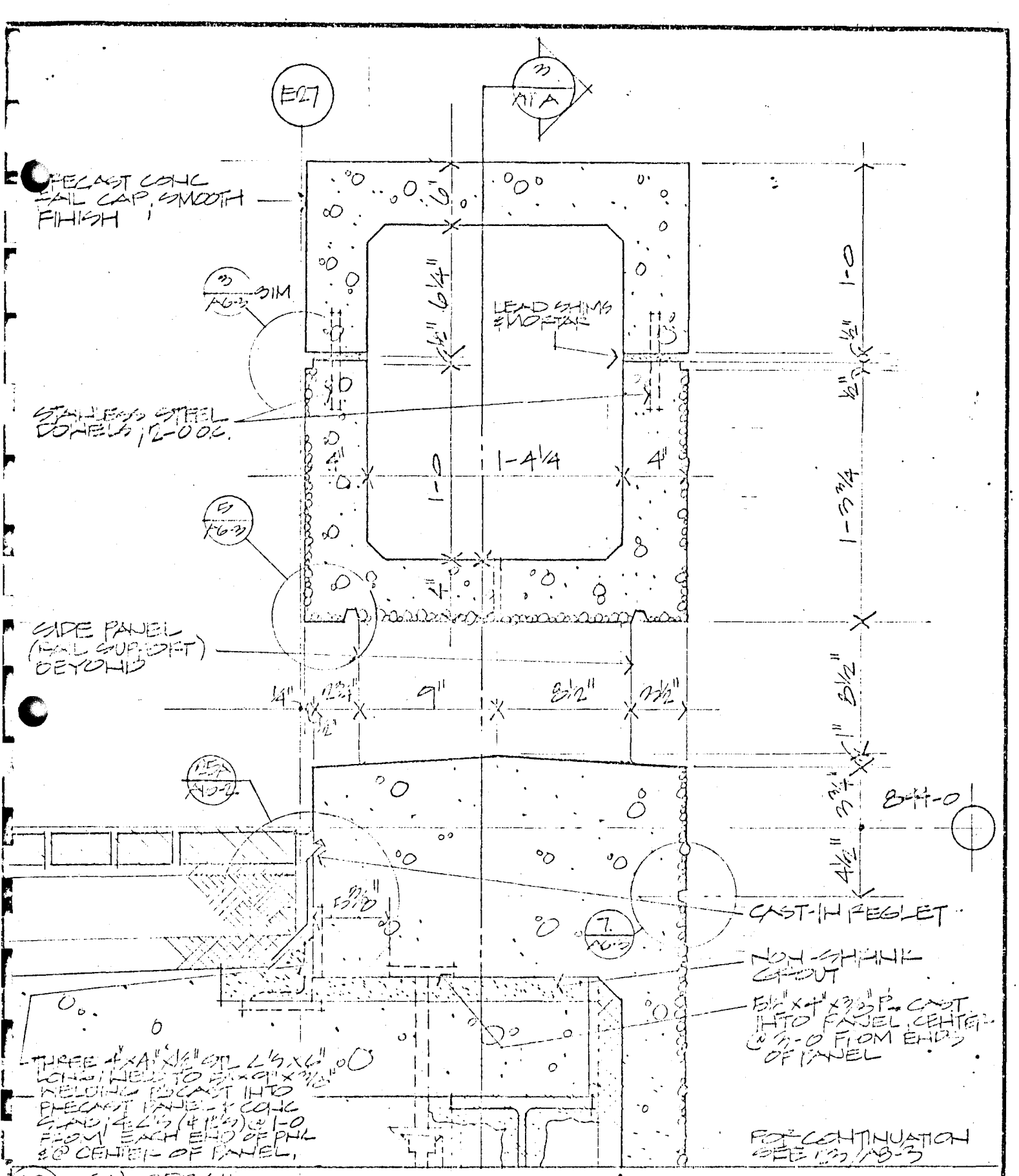
SCALE 3"=1'-0"
DATE 8 SEPT. 78

ADDENDUM NO. 1

REVISED DOOR HEAD DETAIL

SHEET NO APPENDIX A SHEET 1



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JOB NO. 0417
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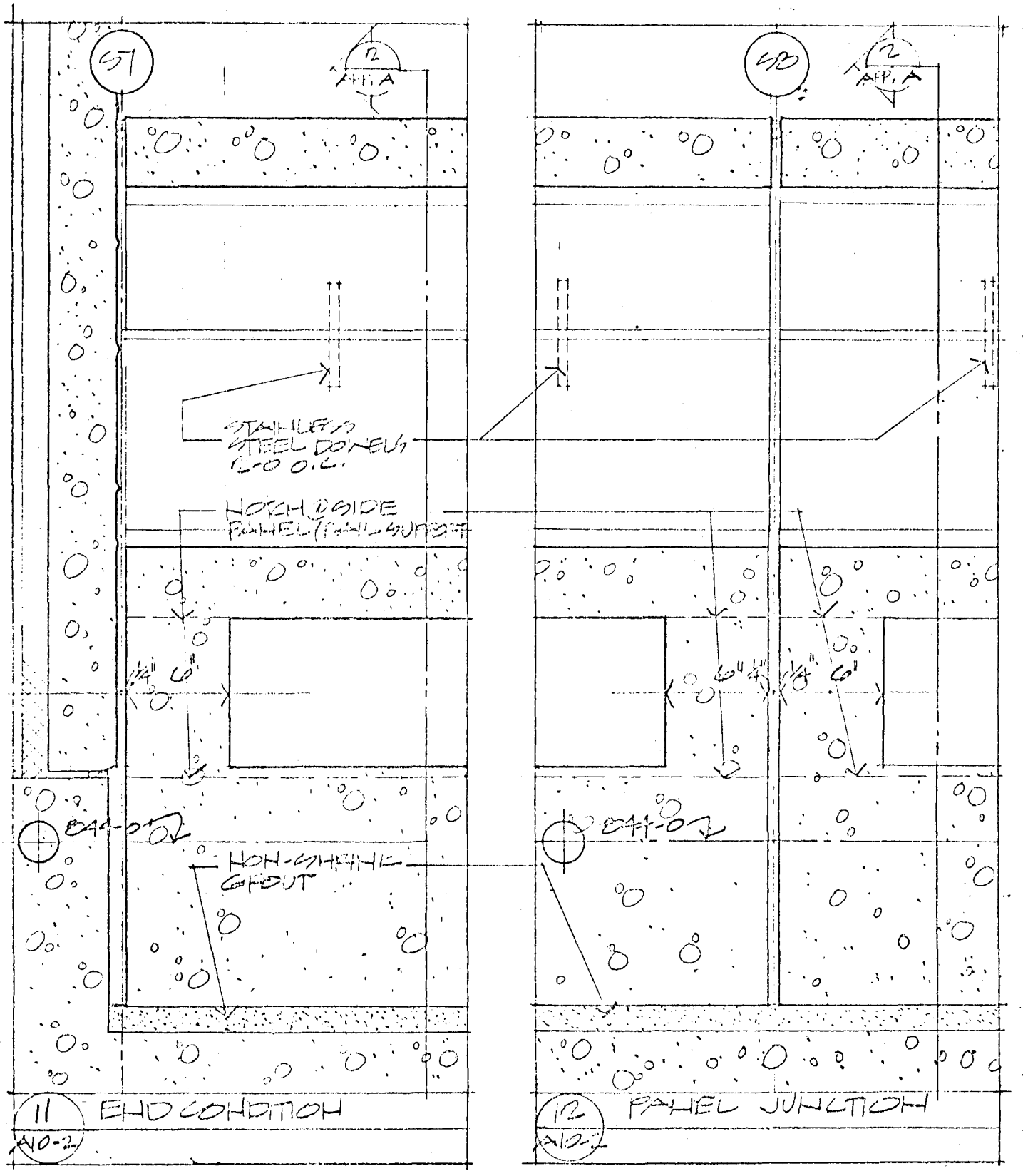
DATE

ADDENDUM NO 1

REVISED P.C. CONC. GUARDRAIL

APPENDIX

SHEET 2



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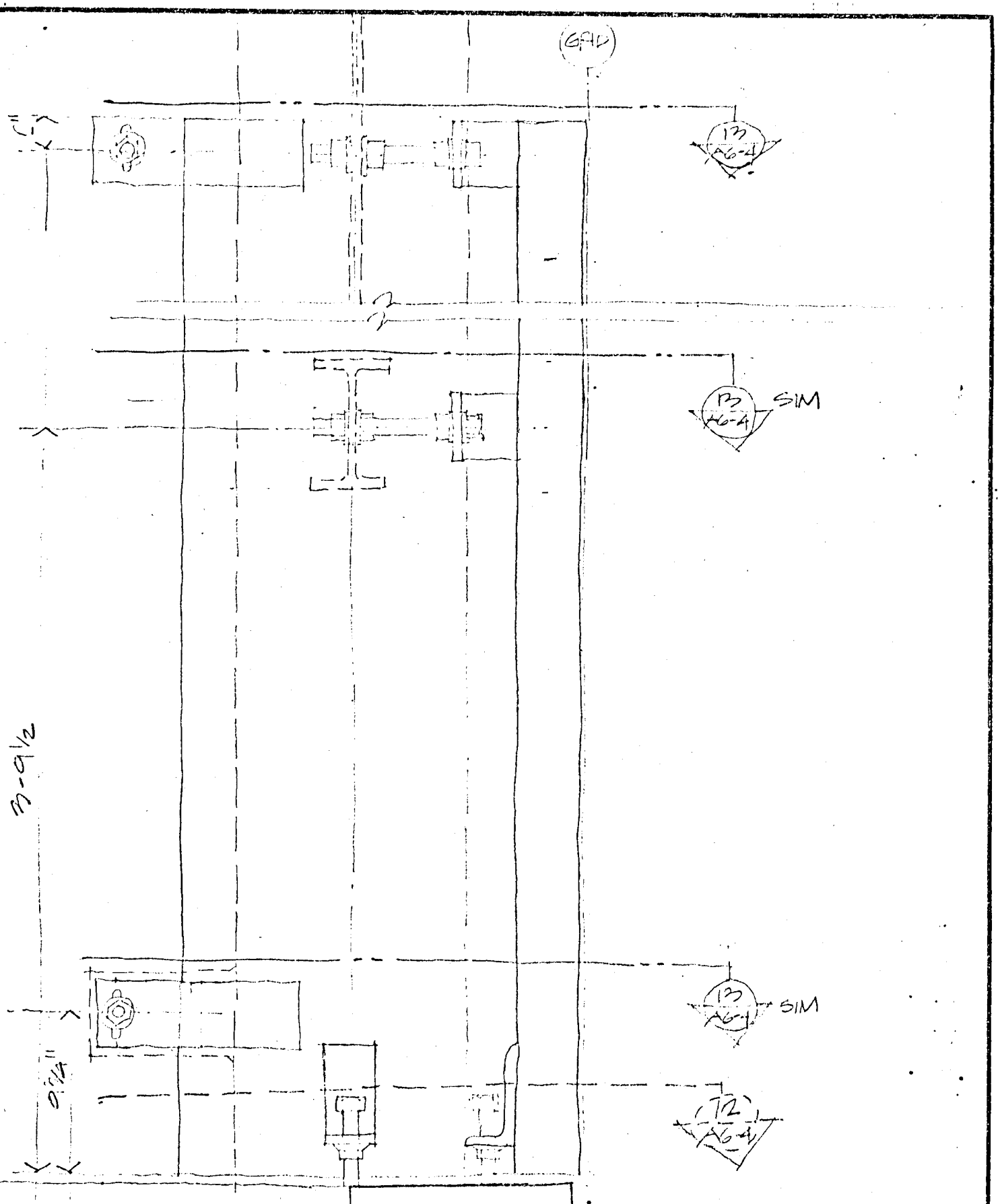
UNIT E

ADDENDUM NO 1

REVISED PC. CONC. EQUIPMENT PAD

APPENDIX A

SHEET 23



1) PANEL TYPE R10 (R11 OPPOSITE)

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JOB NO. UNIT 1
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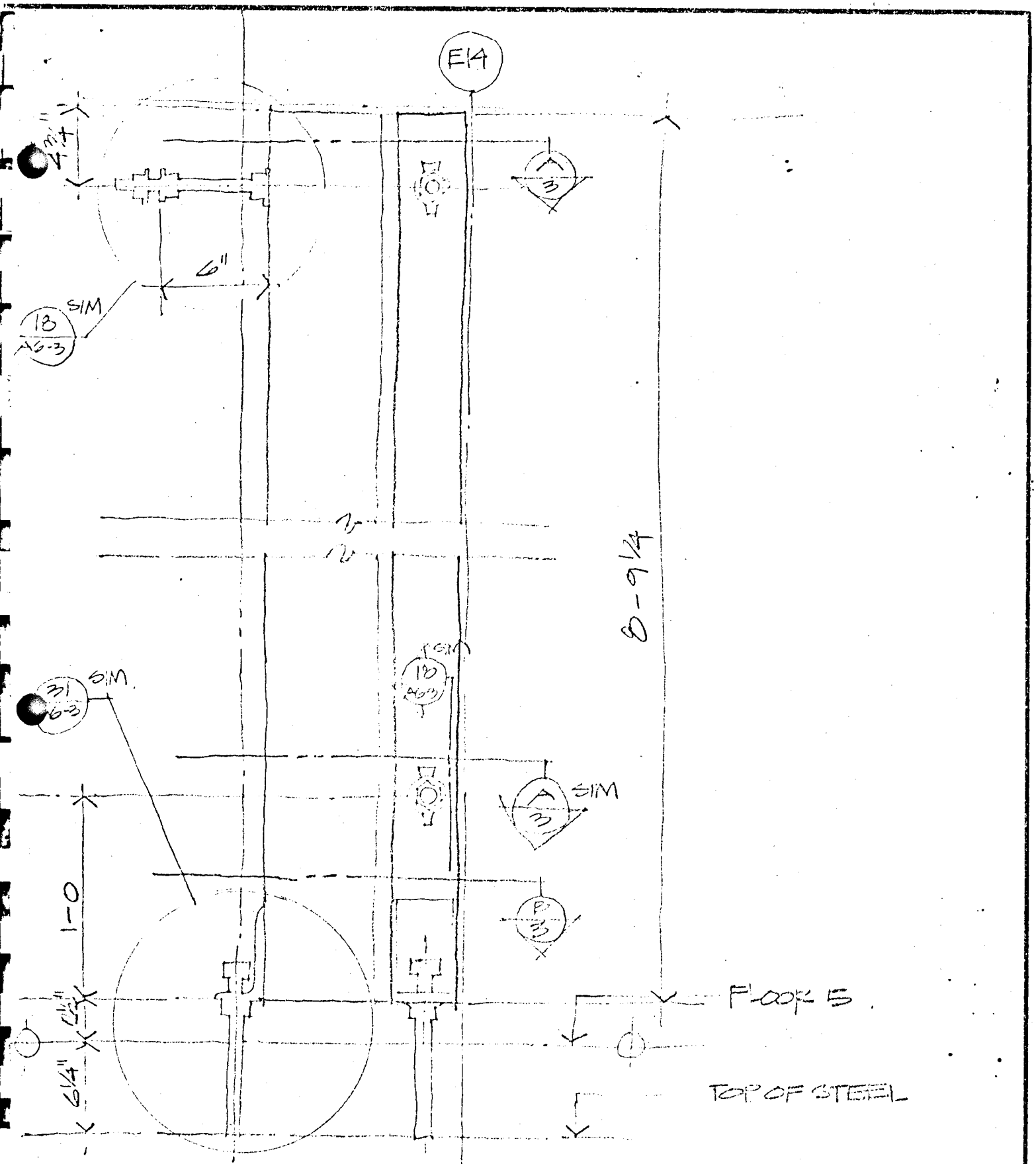
SCALE 1/2" = 1'-0"
DATE

ADDENDUM NO. 1

SHEET NO. APPENDIX A SHEET 4



A PANEL TYPE R35

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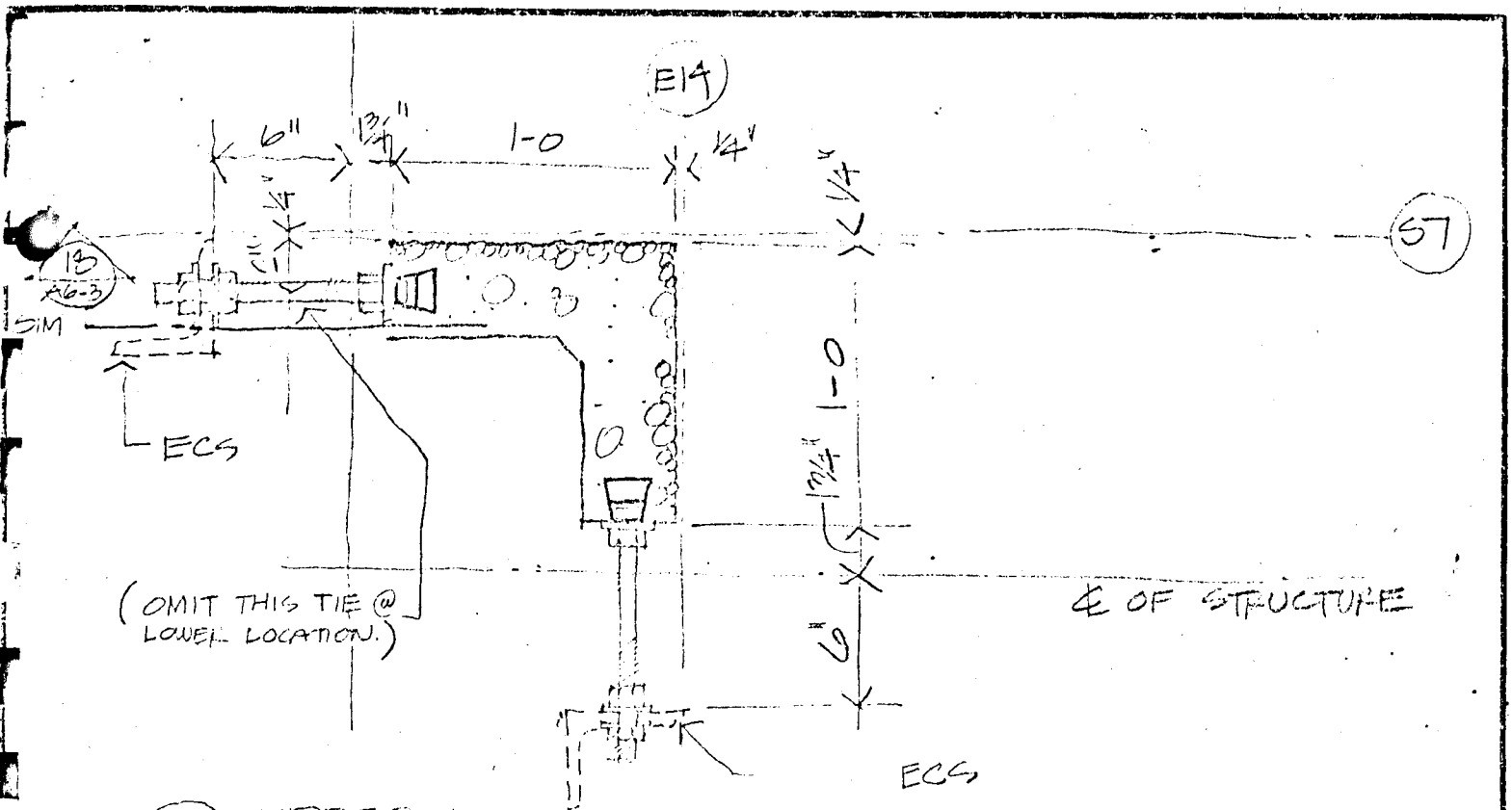
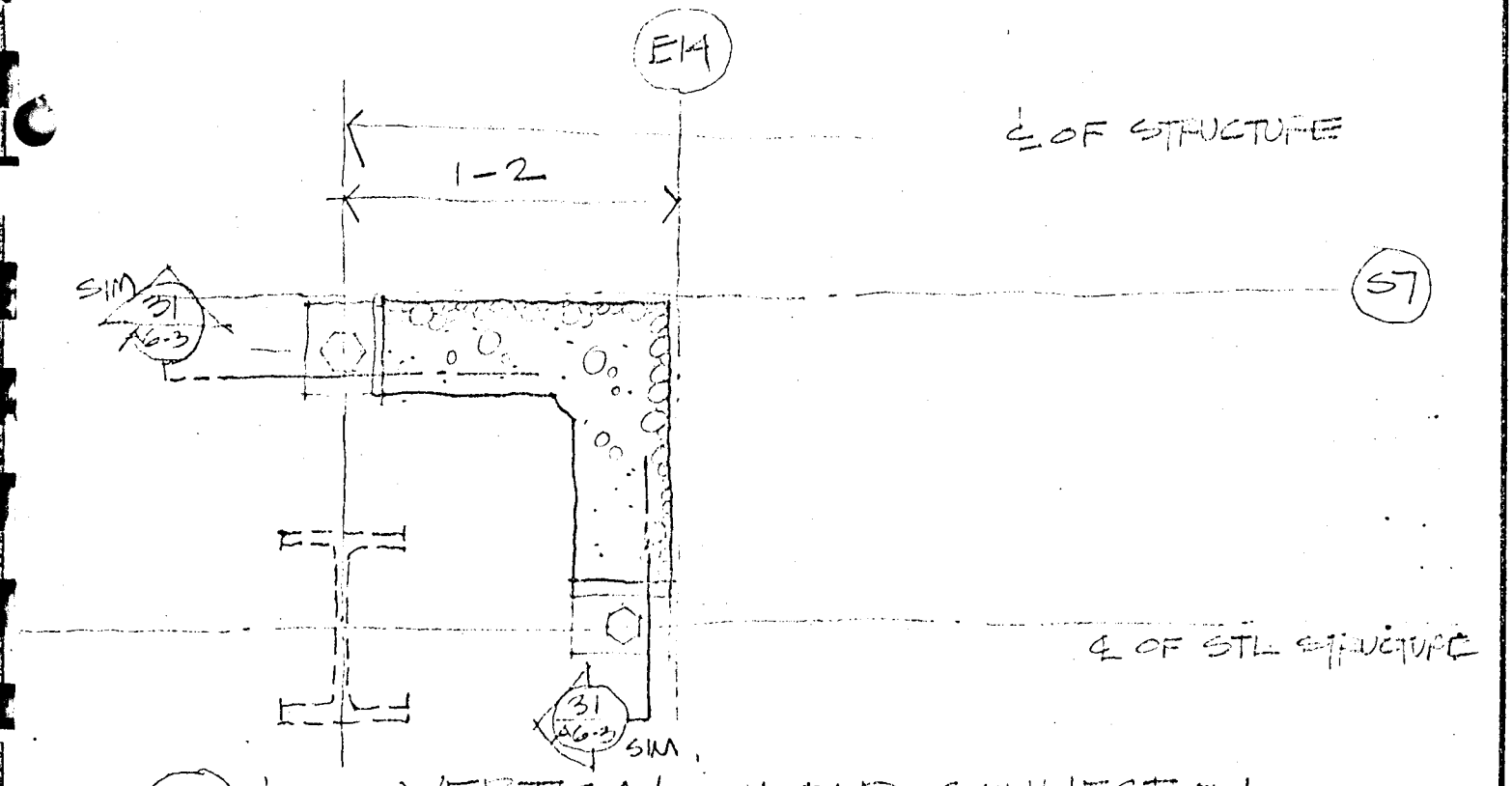
ADDENDUM NO 1

PRECAST CONC
PANEL TYPES R35

SHEET NO
APPENDIX
A
SHEET 5



A UPPER LATERAL LOAD CONNECTON
PANEL R35



B VERTICAL LOAD CONNECTION
PANEL TYPE R35

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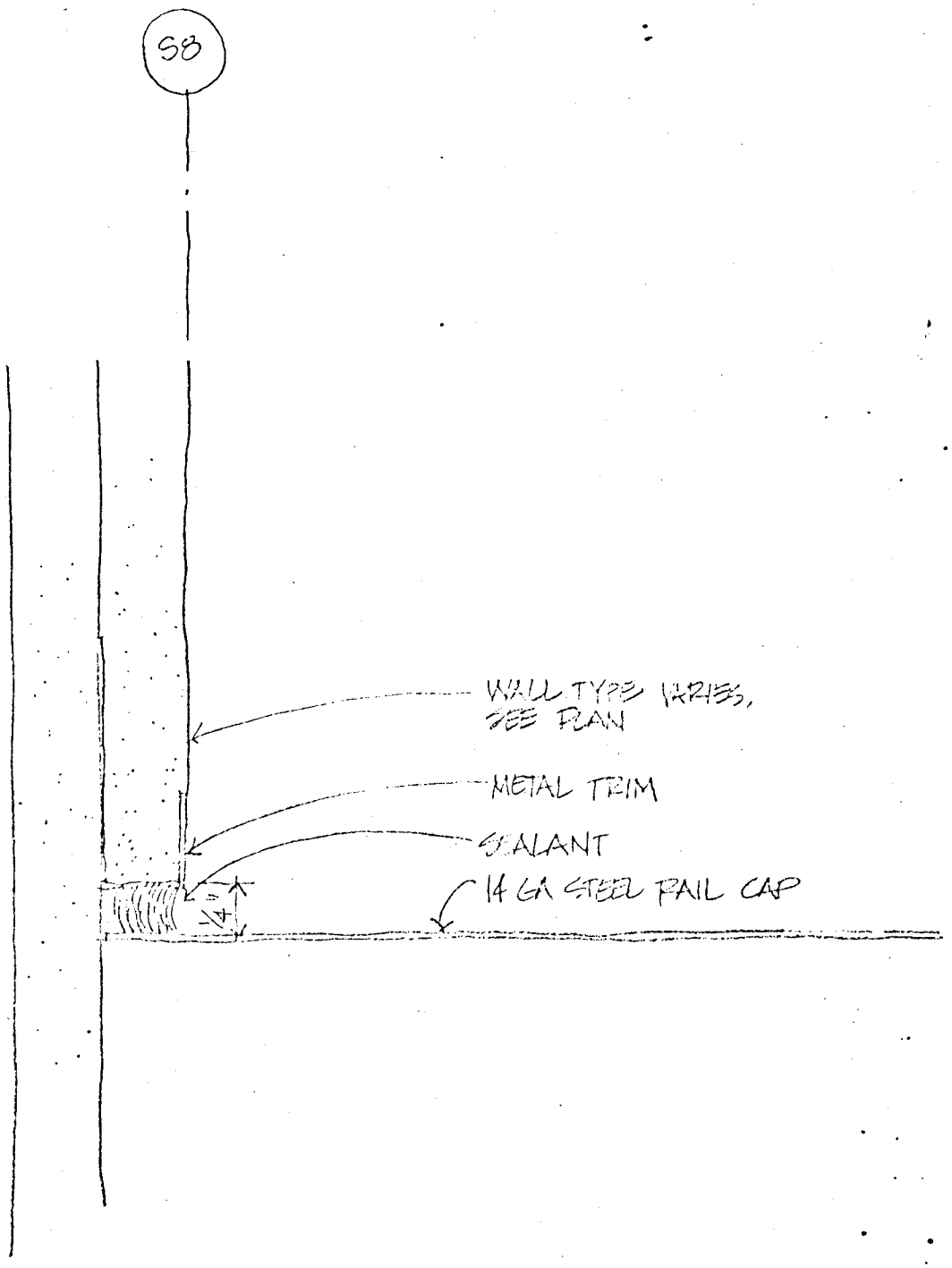
ADDENDUM NO. 1

PRECAST CONC
PANEL TYPE R35

SHEET NO. APPENDIX A
SHEET 6



ADDENDUM #1

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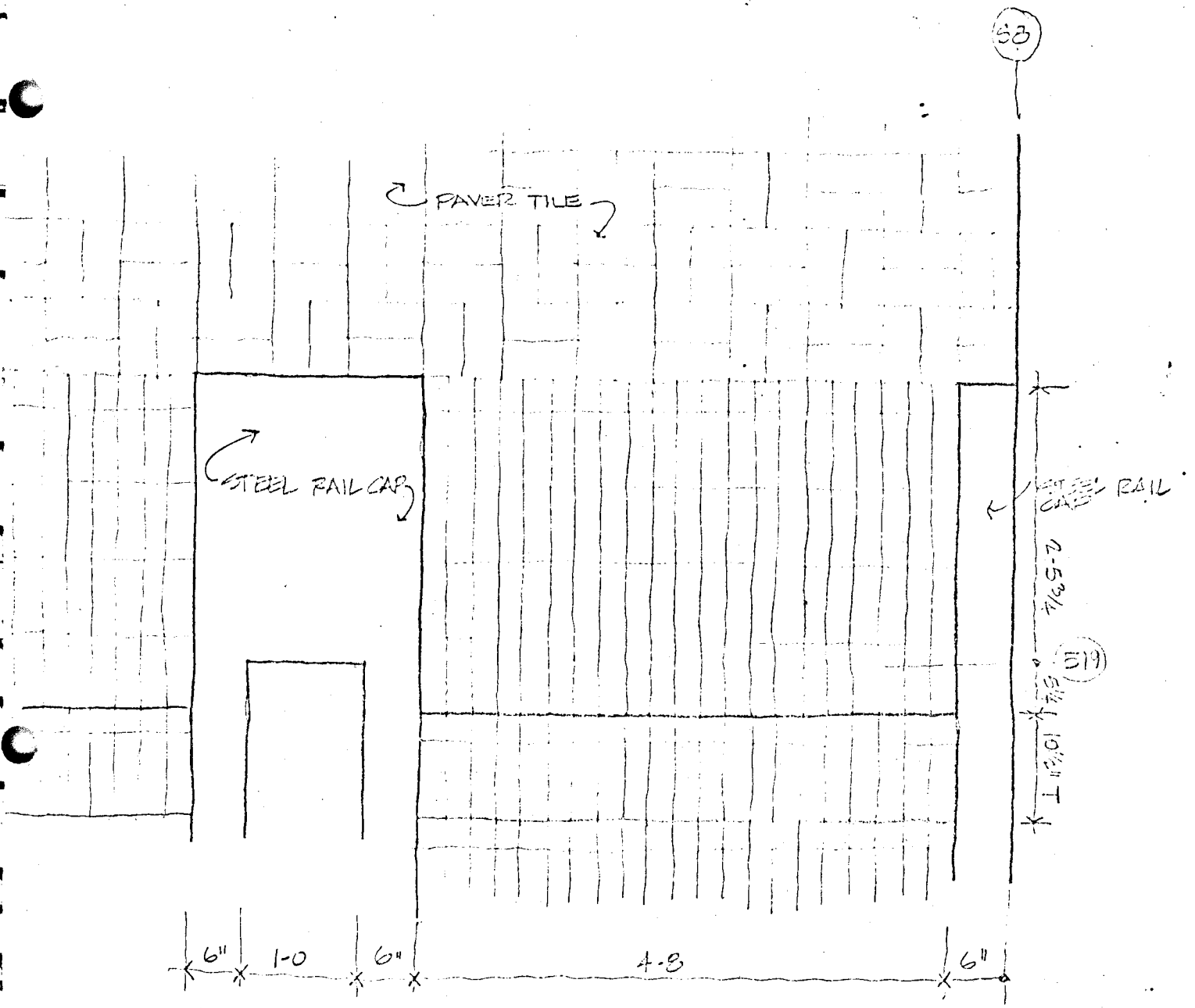
SCALE
DATE

TYPICAL JOINT - STEEL RAIL CAP AT STAIR 'A' ENGAGED TO WALL BETWEEN FLOORS

SHEET NO
ATTACHMENT A
SHEET 7



ADDENDUM NO 1

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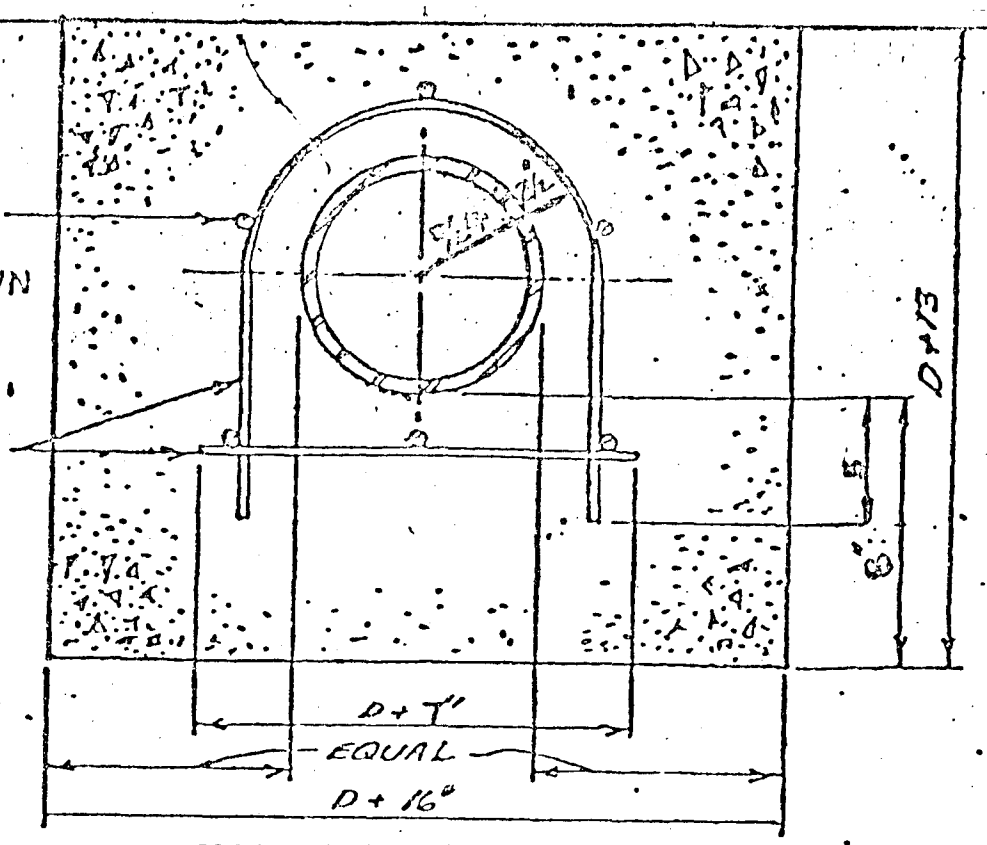
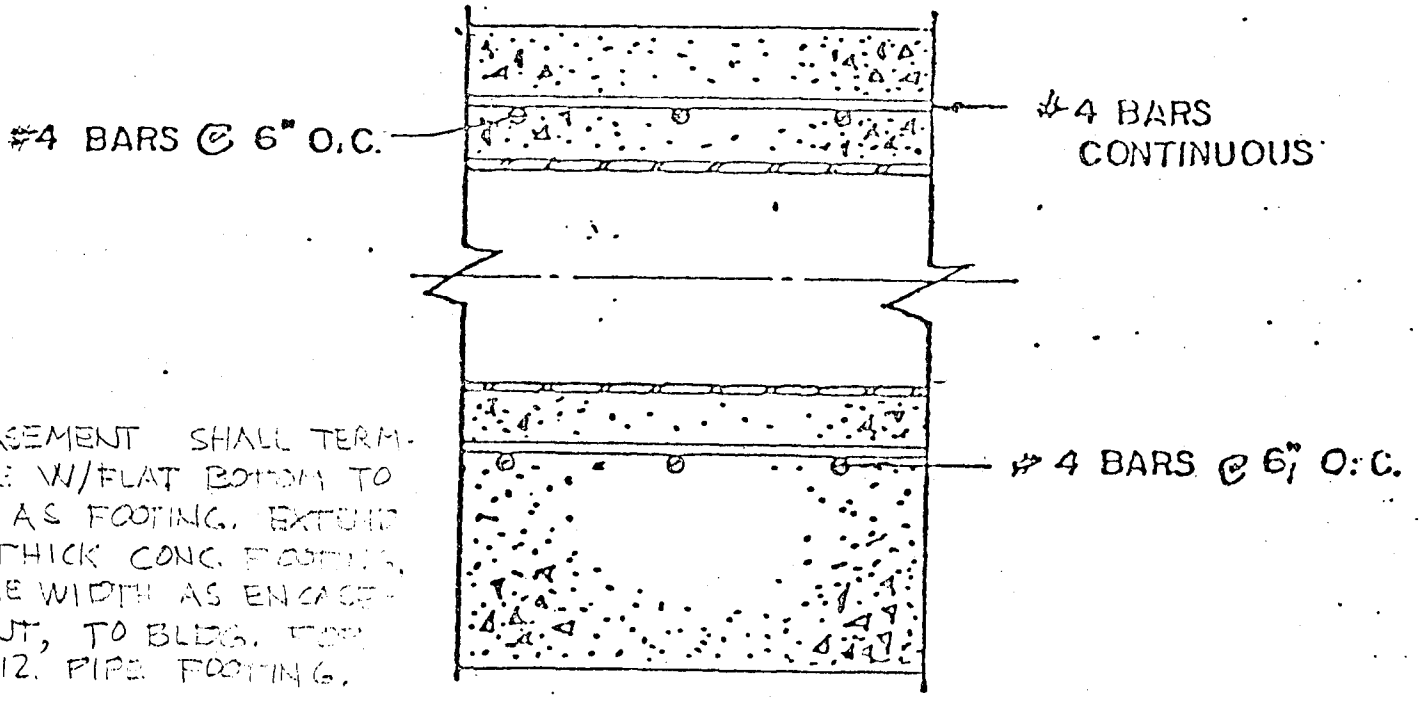
JOB NO
DRAWN NTC
CHECK
SCALE
DATE

TYPICAL BRICK PAVER PATTERN AT STAIR 'A' TREADS AND LANDINGS

SHEET NO
APPENDIX A
SHEET 8



TRANSVERSE SECTION



LONGITUDINAL SECTION

NOTE: CONCRETE U of M CLASS 3000-06.
D = DIAM. OF PIPE AS SHOWN ON PLAN.

UNIVERSITY OF MINNESOTA
HEALTH SCIENCES EXPANSION

THE ARCHITECTS COLLABORATIVE, INC. CAMBRIDGE, MASS. &
THE HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.

ADDENDUM NO 1
CONCRETE ENCASEMENT OF PIPING

APPENDIX B
SHEET 1

ADDENDUM NO. 2 19 September 1978

Second Addendum to conditions, specifications, related documents and drawings entitled:

UNIT F - PHARMACY AND NURSING FACILITY (P/N)

UNIVERSITY OF MINNESOTA - MINNEAPOLIS CAMPUS
HEALTH SCIENCES EXPANSION
PROJECT NOS. MINN. BHRD-HP-5C-063
BHRD-NU-5C-077

THE ARCHITECTS COLLABORATIVE, INC. Cambridge, Massachusetts

HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.
University Park Plaza - Suite 704
2829 University Avenue Southeast Minneapolis, Minnesota
(612) 378-3833 55414

- -

The additions, revisions, omissions, corrections and clarifications contained herein shall be made to drawings and specifications for the project and shall be included in the scope of work and proposals to be submitted. References made below to specifications and drawings shall be used as a general guide only. Bidders and Contractors shall determine for themselves the work affected by Addendum items:

BIDDING REQUIREMENTS - ALL CONTRACTS

1 - Section A1 - Advertisement for Bids and A3 - Bid Form: (A) The title given for Robert James is incorrect. Change "Purchasing Agent" to read: Director of Purchasing and Stores.

CONDITIONS OF CONTRACT - ALL CONTRACTS

2 - Section C1 - General Conditions: (A) Article 9, paragraph 9.5.1. In the second line, change "7.12.5 and 7.12.6" to read: 7.11.5 and 7.11.6.

3 - Division C - General Conditions of the Contract: (A) Under Article 11, Insurance, delete Paragraphs 11.2 and 11.3 in their entirety (Paragraphs 11.1, 11.4 and 11.5 remain) and insert the following in lieu thereof:

11.2 Property Insurance

11.2.1 The University insures its buildings under a master Property Insurance policy. Unless otherwise provided in the Contract Documents, the Work under this Contract will be included as insured under the master policy, to 100% of the insurable value of the Work, including specified allowances, plus debris removal and architectural/engineering fees for services which may be required as a result of a loss. If required by the University, the Contractor shall assist in establishing the insurable value of the Work under this Contract.

11.2.2 Coverage will be provided in accordance with the terms of the master policy of the University. Upon request, the Contractor may obtain a certificate indicating the coverage, terms and exclusions of the "Builders Risk" provisions of the University's master policy. For the Work under construction the policy

will insure against all risks of direct physical loss or damage to the property insured from any external cause except for the exclusions contained in the policy. In general, the policy will provide "Builders Risk" type coverage and as a minimum will insure against loss from perils of Fire, Extended Coverage, Vandalism and Malicious Mischief, Theft, and Surface Water, except for the exclusions of the policy.

11.2.3 The policy does not insure:

.1 Contractor's machinery, tools, and equipment (except temporary structure) not destined to become a part of the completed Project;

.2 Accounts, bills, currency, deeds, evidences of debt, notes, money or securities;

.3 Land, trees, shrubs, plants or lawns;

.4 Licensed motor vehicles;

.5 Licensed aircraft;

.6 Nuclear reactors;

.7 Loss of use or occupancy, penalties for non-completion of or in delay in completion of the Contract, or non-compliance with the Contract Documents.

11.2.4 The policy does not insure against the following perils, which are listed here for general information, but shall not be construed as superceding or altering the actual policy exclusions:

.1 Loss or damage caused by or resulting from:

a. Earthquake, landslide, mudflow, or earth sinking, rising or shifting;

b. Flood, waves, tidal water or tidal wave, overflow of streams or other bodies or water, all whether driven by wind or not;

c. Water which backs up through sewers or drains;

d. Water below the surface of the ground including that which exerts pressure on or flows, seeps or leaks through sidewalks, driveways, foundations, walls or floors;

unless fire or explosion ensues and then the Company shall be liable only for such ensuing loss. This exclusion does not apply to personal property off premises or in transit.

.2 Loss or damage to hot water boilers, steam boilers, steam pipes, steam turbines or steam engines caused by any condition or occurrence within such boilers, pipes, turbines or engines; nor explosion of steam boilers, steam pipes, steam turbines or steam engines if owned by, leased by, or operated under the control of

the insured. This exclusion does not apply to direct loss resulting from the explosion of accumulated gases or unconsumed fuel within the fire box, or combustion chamber, of any fired vessel or within the flues or passages which conduct the gases of combustion therefrom.

.3 Infidelity or dishonesty of the Insured or its employees; nor any unexplained loss, mysterious disappearance, or loss or shortage disclosed on taking inventory.

.4 Loss or damage caused by electrical current artificially generated unless fire or explosion ensues and then the Insurance Company shall be liable only for such ensuing loss, but electrical arcing is not a fire or explosion within the meaning of this policy.

.5 Loss or damage from freezing to plumbing, heating, air conditioning or other equipment (except fire protective systems) or the resulting leakage or overflow unless the Insured shall have exercised due diligence in maintaining heat or such equipment had been drained and the water supply shut off.

.6 Loss to real property in process of construction caused by or resulting from error, omission or deficiency in design, specifications, workmanship or materials. This exclusion does not apply to loss by fire, lightning, windstorm, hail, explosion, riot or civil commotion, aircraft, vehicles, smoke or discharge from fire protection or building service equipment to the extent that such perils are insured against in this policy.

.7 Loss or damage to watercraft while waterborne.

.8 Loss or damage caused by mechanical breakdown, wear and tear, deterioration, inherent or latent defects; and settling, cracking, bulging, shrinking or expansion of pavements, foundations, walls, floors or ceilings unless loss by a peril not otherwise excluded ensues and then the Insuring Company shall be liable only for such ensuing loss.

.9 Loss or damage caused by or resulting from:

a. Hostile or warlike action in time of peace or war, including action in hindering, combating, or defending against an actual, impending or expected attack, (1) by any government or sovereign power [de jure or de facto], or (2) by military, naval or air forces, or (3) by an agent of any such government, power, authority or forces;

b. Any weapon of war employing atomic fission or radioactive force whether in time of peace or war;

c. Insurrection, rebellion, revolution, civil war, usurped power, or action taken by governmental authority in hindering, combating, or defending against such an occurrence; seizer or destruction under quarantine or customs regulations, confiscation by order of any government or public authority, or risks of contraband or illegal transportation or trade;

.10 Loss or damage by nuclear reaction or nuclear radiation or radioactive contamination, all whether controlled or uncontrolled, or due to any act or condition incident to any of the foregoing, whether such loss be direct or indirect, proximate or remote, or be in whole or in part caused by, contributed to, or aggravated by any of the perils insured against by this policy except that:

a. The Insuring Company shall be liable for direct loss or damage caused by sudden and accidental radioactive contamination including resultant radiation damage resulting directly from the following perils except as excluded elsewhere hereunder: fire, lightning, windstorm, hail, explosion, riot and civil commotion, vandalism and malicious mischief, water discharged accidentally from sprinkler equipment, impact of falling aircraft or objects falling therefrom, impact of vehicles (except aircraft) moving on land or tracks, heat from molten metal which shall have accidentally escaped from equipment, sonic shock waves (generally known as sonic boom), and smoke except accumulative damage resulting from the sudden, unusual and faulty operation of stationery furnace located on the described premises; provided such radioactive contamination arises from materials used or stored or from processes conducted on the described premises, and provided at the time of loss there is neither a nuclear reactor nor any new or used nuclear fuel on the described premises;

b. If fire or sprinkler leakage ensues, liability is specifically assumed for direct loss by such ensuing fire or sprinkler leakage but not including any loss due to nuclear reaction, nuclear radiation or radioactive contamination.

11.2.5 The University's policy contains a loss deductible clause. For any loss which may occur, the Contractor shall be responsible for payment of the first $1,000. of each and every loss occurrence, except the Contractor shall be responsible for the first $5,000. of each and every loss occurrence resulting from surface water. The Contractor shall be responsible for any loss not covered by the University's insurance, including any loss under the deductible amounts specified, and the Contractor may self insure or obtain insurance to cover any losses, at his option. The University will be responsible for and pay the amount of any loss occurrence above the deductible amounts specified herein, up to the deductible amount of the policy as it may be applied to the loss under this Contract. The insuring Company is responsible to pay for the insured loss above the deductible amount of the policy as it is applied to a loss under this Contract.

11.2.6 For the Work under this Contract, the Architect/Engineer, the Contractor and all his subcontractors and lower tier sub-subcontractors, and other agents shall be named, designated or deemed to be in such capacity as insured jointly under the "Builders Risk" coverage of the University's master policy.

11.2.7 Any property not covered by the University's insurance policy, such as the Contractor's tools, machinery or equipment and property of a similar nature not destined to become a part of the Project, shall be the Contractor's responsibility and the Contractor may self-insure or provide other insurance at his option. The University or Architect/Engineer shall not be responsible for any loss or damage to property of any kind owned or leased by

Contractor, his subcontractors, his or their employees, servants, or agents. Any policy of insurance covering the Contractor's and subcontractors' owned or leased machinery, tools, and equipment against loss by physical damage shall provide that Underwriters waive their rights of subrogation against the University, Architect, Contractor and all subcontractors.

11.2.8 Any property owned by any of the insureds and destined to become a permanent part of the Project, shall be covered while off the premises or in transit to a maximum of $250,000. per loss occurrence, subject to the same payment for losses under the deductible as specified under 11.2.5 above.

11.2.9 The University, the Architect, the Contractor, other separate Contractors, and the subcontractors and lower tier sub-subcontractors of all Contractors automatically, upon entering into construction agreements in connection with this Project, waive all rights, each against others, for damages caused by fire or other perils insured under the University's Property and Boiler and Machinery Insurance, to the extent of the insurance coverage, except such rights as they may have to proceeds of insurance held by Trustees, the University or the insurer. It is a part of this Contract that no insured shall be held responsible for damage to property of another if the loss is caused by a peril insured under the University's Property and Boiler and Machinery Insurance. The Contractor shall arrange for, and require, similar waivers by Subcontractors and Sub-subcontractors in accordance with Clause 5.3.1.5 of these General Conditions, if necessary.

11.2.10 In addition to the coverage at the actual site of the Project, equivalent coverage will be provided to include any nearby work site established by the University or Contractor for use by the Owner, Architect, Contractor or Sub-contractors for office space or exclusively for delivery or storage of materials or equipment, or for the fabrication of materials to be used on the Project, but excluding fabrication at the Contractor's or any subcontractors' permanent facilities. Such nearby work or storage sites shall be deemed the Project Site and property will not be subject to off-premise or in-transit limitations.

11.2.11 The University's policy provides coverage after the Project is complete. Coverage under the "Builder's Risk" period of coverage will not be invalidated or negated in the event of partial occupancy by the University or other occupants. The University will notify the insurance carrier when the Project is substantially complete.

11.2.12 All losses, whether they appear to be below the specified deductible loss amounts the Contractor is responsible for or not, shall be immediately reported to the University and the Property Insurance carrier, under loss notice procedures as directed by the University.

11.2.13 In the event of a loss which is less than deductible amounts the Contractor is responsible for, the Contractor shall take immediate steps to repair, replace or otherwise remedy the loss to prevent or minimize a delay in progress of the Project. In the event of a loss in excess of the deductible amounts the Contractor is responsible for, the University will provide authorization and/or obtain permission of the insurance carrier to allow the Contractor to immediately replace,repair, rebuild or remedy the loss so the work is accomplished as quickly as practicable and to prevent or minimize any delay in progress of the Project. The University will arrange to compensate

the Contractor for the replacement, repairs, rebuilding or other remedy. The Contractor shall cooperate with the University and the insuring company's adjuster to determine the value of the loss. Payment for losses which are satisfactorily rebuilt or remedied shall be made promptly to the Contractor and in the event the work to remedy a loss extends for a period over 30 days, partial payments shall be made at the same time as other Requests for Payment are paid. Any claim for an extention of time as a result of a loss shall be approved by the University.

11.2.14 All losses shall be adjusted by and be payable to the University. Should any insured party have objection to the University adjusting a loss, a committee of the insured parties shall be named to cooperate with and assist the University in settling the loss, with all subcontractors represented by one of the insured subcontractors. After the Contractor has received payment on a loss the Contractor shall pay each Subcontractor a just share of any uninsured loss the Contractor is responsible for (including deductible amounts) and of any insurance moneys received by the Contractor, and by appropriate agreement, written where legally required for validity, shall require each Subcontractor to make payments to his Sub-subcontractors in similar manner.

11.2.15 In the event of a loss, the University shall act as Trustee for any proceeds paid by insurance. The University shall deposit money received from insurance in an account separate from other funds and shall distribute it in accordance with such agreement as parties in interest may reach, or under an award of arbitrators. However, the University shall have no liability for the division, application and payment of proceeds from the insurance except for any improper management, allocations or disbursements made as a result of intentional or willful misconduct. If, after loss, no special agreement is made, replacement of damaged work may be ordered and executed, as provided for under Changes in Work.

11.2.16 After substantial completion of the Work, or upon full occupancy by the University, whichever occurs first, the University's insurance will become permanent property insurance on the Work or the Project under the master policy. When the permanent property insurance is in effect, the University hereby waives all subrogation rights (as required under paragraph 11.2.9 above) under the permanent insurance for any loss due to an insured peril which may occur during the remainder of the Contract.

11.2.17 With respect to Work under this Contract in existing buildings, inasmuch as the University deems his existing property to be adequately covered by his permanent Property Insurance, the University hereby waives any claim against the Architect/Engineer, the Contractor, and all subcontractors and lower tier Sub-subcontractors on the Work or the Project for possible damage to his existing properties from fire or any other peril insured under the University's Property Insurance during construction and any specified guarantee periods under this Contract, except losses resulting from or arising out of the misconduct or negligence of the Contractor, any subcontractors, any sub-subcontractor, or the employee, business visitors, or agents of any of them.

11.2.18 The University's insurance company may advise and assist the Contractor in establishing a loss prevention program and in eliminating potential loss hazards. While this service shall be advisory only, the Contractor shall comply with all reasonable requests and requirements of the insurance company's loss control engineer. The Fire Safety Director, specified under Article 1.27 of Section 01010 shall consult and cooperate with the

insurance company's loss control engineer in developing procedures and regulations, as well as the enforcement of these.

11.3 STEAM BOILER AND MACHINERY INSURANCE

11.3.1 Under a separate master policy, the University has insurance to cover loss or damage to hot water boilers, steam boilers, steam pipes, steam turbines or steam engines caused by any condition or occurrence within such boilers, pipes, turbines or engines; as well as explosion of steam boilers, steam pipes, steam turbines or steam engines if owned by, leased by, or operated under the control of the University as the Insured.

11.3.2 Prior to the testing, use or start up of any equipment of item as enumerated under 11.3.1 which is provided under the Contract, the Contractor, or appropriate subcontractor, shall advise the University in ample time so it may arrange for any required inspections.

11.3.3 The Waiver of Subrogation as provided for under Sub-paragraph 11.2.9 of the preceding Paragraph 11.2 Property Insurance shall also apply to the insurance under this Paragraph 11.3, the same as though repeated herein.

DIVISION 1 - GENERAL REQUIREMENTS - ALL CONTRACTS

4 - Section 01010 - Summary of Work and Special Requirements: (A) Article 1.4. Title. Change "(B/C-ECX)" to read: (P/N-ECX).

(B) Article 1.5

1. Identify the first paragraph "A".

2. In the first line of paragraph A, change the fourth word to read: awarded.

(C) Article 1.7, paragraph B. Change "Crown Iron works, Inc., Minneapolis" to Paper Calmenson & Company, Saint Paul.

(D) Article 1.12.

1. Delete the final line of the paragraph.

2. Paragraph B; change to read:

"B. The University's property insurance will provide coverage for the pre-purchased steel in the amount of $1,393,000.00."

(E) Article 1.13, paragraph C. In the fourth line, change "made in" to read: made by.

5 - Section 01070 - Cutting, Removal and Patching: (A) Article 1.1, paragraph E. On first and second lines, delete "(existing animal quarters at Mayo)".

6 - Section 01100 - Description of Alternates : (A) Article 2.1 Deductive Alternate No. 15. Add: At second floor lobby area, Room 84, omit brick at benches and planter, and replace with ceramic tile, color and style selected by Architect. See 14 and 15/A3-3.

(B) Article 3.1; after the title, add paragraph:

Materials alternates shall be quoted on the base bid only; if deductive alternates affect the quantity of materials alternates, and appropriate adjustment will be made in the Contract Sum before execution of the Contract, according to the election of alternates by the University.

(C) Article 2.1; after Material Alternate C, add:

Material Alternate D: - Substitute plastic laminate laboratory work surfaces for all glazed composition stone tops.

General Construction D:

Refer to Section 11613, Articles 2.2 and 2.3, and Drawings A12-1 through A12-5.

Acceptance of this alternate substitutes plastic laminate counter tops specified in Article 2.3 of Section 11613 for glazed composition stone tops specified in Article 2.2 at all locations shown on drawings.

7 - Section 01200 Contract Time/Coordination: (A) Article 3.1. Add:

G. All contractor's use of Construction Materials Elevator shall be completed prior to May 19, 1980 at which time elevator shall be returned to Vertical Transportation Subcontractor for completion of permanent cab. Refer to Section 01500, Article 4.3, paragraph O (this addendum).

8 - Section 01310 - Construction Schedule: (A) Article 1.6, paragraph A. In the second line, delete "and Vertical Transportation."

9 - Section 01400 - Testing and Inspection: (A) Article 1.8, paragraphs C and D. Delete in entirety.

10 - Section 01500 - Temporary Facilities: (A) Article 4.3, paragraph M. In the second line, after the word "Section", add: A5.

(B) Article 4.3, paragraph O. Add: So that construction elevators may be brought to finished condition, the construction materials elevator (Temporary cab) shall be turned back to the Vertical Transportation Subcontractor on May 19, 1980 for removal of temporary cab and construction of new permanent cab and completion, balancing and adjusting the entire permanent elevator plant. Elevator plant shall be complete and operational by the specified date for final completion.

(C) Article 4.3, paragraph S.10. Change references to B/C and B/C elevators to read "Unit F."

(D) Article 5.2, paragraph B.1 should read "all exterior soffits at Floor 6 of Unit F, ..." rather than "At floor 7."

(E) Article 6.6, paragraph C. In the sixth line, change "B/C" to read: Unit F.

11 - Section 04200 - Unit Masonry: (A) Article 2.1, paragraph B. Delete in entirety.

(B) Article 2.1. Add paragraph E. Facing brick at 2nd floor planters to match paver tiles (brick pavers).

12 - Section 05122 - Structural Steel Erection: (A) Article 3.1, paragraph M. Delete in entirety.

13 - Section 05302 - Metal Decking Erection: (A) Article 3.2, paragraph A. Reference should be to "Sheet S1" rather than to Sheet S31.

14 - Section 05500 - Metal Fabrication: (A) Article 2.4, paragraphs E, K, M and N. Delete paragraphs E, K, M and N in entirety.

15 - Section 06412 - Plastic Laminate Casework: (A) Article 1.1, paragraph C.5. Change to read:

5. Laboratory equipment: Sections 11600, 11770; and Group II equipment: by University.

(B) Article 1.3, paragraph E.2. Delete "including examination room shelves."

16 - Section 07220 - Building Insulation: (A) Article 1.1, paragraph C.1. Delete in entirety.

(B) Article 1.1, paragraph C.2; change "under" to read: at.

(C) Article 1.1, paragraph C.7; delete the words "and sheet metal roofing".

(D) Article 2.1, paragraph D. In the first line, in the blank space, add: acceptance.

(E) Article 2.2, paragraph A.2 should read "thermal insulation under sound isolated slabs in air chambers on tenth floor."

(F) Article 2.4, paragraph A.4 should read "where noted on plans, at air chambers and air plenums, apply vapor barrier to the concrete block, or concrete plank surfaces before application of acoustical insulation."

17 - Section 07511 - Insulated Membrane Roofing: (A) Article 1.1, paragraph B.1. In the first line, delete the words "and gravel".

(B) Article 1.3, paragraph A:

1. In the second line, change "Down" to read: Dow.

2. In the last sentence change "Owner's acceptance of the completed construction work" to completion of roofing work.

18 - Section 07900 - Gaskets, Caulking & Sealants: (A) Article 2.3, paragraph D. Delete in entirety.

(B) Article 3.5. Delete in entirety.

19 - Section 08110 - Hollow Metal: (A) Article 2.1, paragraph E.1.a. Delete paragraph that makes reference to "jambs that receive lead lined doors."

(B) Article 2.1, paragraph F.2. Revise paragraph 2 to read:

2. Prepare hollow metal frames to receive Glynn-Johnson GJ64 door silencers as specified by Section 08700, Finish Hardware.

20 - Section 08113 - Acoustical Hollow Metal: (A) After Article 1.3, paragraph a, Add:

PART 2: PRODUCTS

2.1 MATERIALS AND MANUFACTURERS

A. This specification is based on Overly Manufacturing Company Acoustical Hollow Metal Door and Frames.

(B) At top of page 08113-2, change paragraph B to read:

B. Comparable products manufactued by Sonic Bar Division of Rysdon Products Co., or approved equal, which conforms to these specifications will be acceptable.

21 - Section 08200 - Wood Doors: (A) Article 2.3, paragraphs A and B. Delete paragraphs A and B. No natural finish doors.

22 - Section 08700 - Finish Hardware: (A) Article 2.4, paragraph D.1. Add after 1. All hinges shall be steel "with the following exceptions:
exterior doors - stainless steel
aluminum frame vestibule doors - stainless steel
air chamber doors - steel, US26D finish over heavy copper plate base."

(B) Article 2.14, paragraph A and B. Delete Article 2.14 in its entirety.

(C) Part 3 - Hardware Groups: Add Item F to Group 9.

"F. Provide one electric strike for Doors 4-129C."

23 - Section 08730 - Weatherstripping and Soundstripping: (A) Article 2.2, paragraph B. Change last line to: "Provide in aluminum with Duranodic 313 finish."

(B) Article 2.3, paragraph B, Article 2.5, paragraphs A and B: Change "anodic hard coating (313S)" to "Duranodic 313 Finish".

(C) Article 2.4, paragraph A. Change "prime coat of zinc coating" to "Duranodic 313 Finish".

(D) Article 2.4. Add after Thermal Weatherstripping (Note 4).

(E) Article 2.6, paragraph A. Delete "in bottom recess of door" at end of sentence.

24 - Section 08800 - Glass and Glazing: (A) Article 2.1, paragraph A.3. Add "one-way" characteristic to acoustic glass at Room 121, Fourth Floor.

25 - Section 08900 - Curtainwall Systems: (A) Article 1.1, paragraph B.1. Delete subparagraph in entirety.

(B) Article 2.1, paragraph P. Delete paragraph P in its entirety.

26 - Section 09100 - Lath, Plaster & Gypsum Drywall: (A) Article 2.6, paragraphs A.1, A.2, A.3. After "1/2"" add: , or 5/8" as indicated, ...

(B) Article 2.8, paragraph A. Delete Article 2.8 in its entirety.

27 - Section 10500 - Lockers: (A) Article 2.3, paragraph F should read: "Each upper compartment door in locker type 'A' shall have a 1/2" x 8" cutout for mail slot."

28 - Section 11600 - Laboratory Equipment: (A) Article 2.6, paragraphs C and D. Change "Article 2.3" in line 3 of paragraph C to "Article 2.11". Lines 3 and 4 of paragraph D; delete "mate with the transfer cart specified under Article (2.3) and".

(B) Article 2.11, paragraph B. Change "Castle K-7504" to "Castle 7520".

(C) Article 2.11, paragraph D. In line 1, delete "with a double buillotine door."

(D) Article 2.11, paragraph J. Provide 3/4" NPT connection at washer for condensate return.

29 - Section 11613 - Laboratory Tops and Accessories: (A) Article 2.4, paragraph A.

1. In line 1 change "AISI type 302/304" to read "AISI type 316".

2. Vertical stainless steel turrets and horizontal closure panels below reagent shelves at stainless steel tops may be 18 gauge stainless steel, type 316.

(B) Article 2.4, paragraph E.4. In line 1 change "Type 302/304" to "Type 316".

30 - Section 11770 - Sterilizers: (A) Article 2.2.

1. Paragraph A. Change end of line 1 to read: "gravity air removal". Change end of line 2 to read "manual or power".

2. Paragraph B. Change Amsco Model to: AP 31-010-531-5102.

3. Paragraph C. After "Int. Fed. Spec GG-S-", change to read: "001340, size 5, style B, except manual door may be used."

4. Paragraph F. In line 2 change wording after "one side and" to read: 8 half-width half-length shelves adjustable to 8 heights.

(B) Article 2.3.

1. Change title after S-294 to (Room 2-114). Delete "GMP)"

2. Paragraph C. Delete "rear" from line 2.

3. Paragraph D. In line 1 change Fed. Spec. No. to GG-S-001340. In line 2, change Stype B to "Style A" and delete "rear".

(C) Article 2.4, paragraph A. Add sentence at end of paragraph A: Provide control panel at cabinet end in Room 8-140 with indicator panel in Room 8-135.

(D) Article 2.5.

1. Paragraph A. Delete the following from lines 1 and 2. "with low temperature control" and change sentence at end of line 4 to read: "sterilizer shall be for recessing through two partition walls with stainless steel fronts."

2. Paragraph D. End sentence with the word required at the middle of line 2. Delete the remainder.

3. Paragraph F. Delete all of paragraph F.

4. Paragraph H. Add same paragraph as F of Article 2.3 regarding removable rack and etc.

(E) Article 2.6, paragraph B. Change last sentence to read: Provide Graham 9 WXF-14S heliflow heat exchanger.

(F) Article 2.6, paragraph D.1.a. Change first part of line 4 to read: "shall be variable from .0 to 3/4 ounce etc...."

31. Section 13500 - Integrated Ceiling System: (A) Article 2.4, paragraph B. Change output of panels as follows:

1. Type A Panel shall have an output of 205 BTUH/sq.ft. with 180° average water temperature.

2. Type B Panel shall have an output of 180 BTUH/sq.ft. with 180° average water temperature.

32. Section 13610 - Greenhouse: (A) Article 2.6, paragraph A. Add: Supporting cables shall be stretched between eaves; fabric shall be Saran screening; stack sun shades at west eaves.

33. Section 13713 - Environmental Rooms: (A) Article 2.4, paragraph B.

1. Title shall be 'Deviation from Setpoint" instead of "Control Sensitivity."

2. Deviation shall be + or - .75°C or better in Plant Growth Room.

3. Uniformity shall be + or - 1.5°C or better in Plant Growth Room.

34. Section 13800 - Sound Isolation: (A) Article 2.1, paragraph A.1 Delete in entirety.

35 - Sections 14010, 14210, 14230 and 14240: (A) Article 1.1, paragraph A. In each section change paragraph A of Article 1.1 to read:

A. Conditions of Contract and Division 1 - General Requirements, apply to all work of this section. Refer to Article 12 of the Instructions to Bidders, Article 7 of the General Conditions and Section 01600 - Materials and Equipment for requirements on pre-bid and post-bid evaluation of proposed substitute products, methods and other conditions.

36 - Section 14010 - General Provisions - Vertical Transportation: (A) Article 1.7.

1. Paragraph A; add: Following are acceptable manufacturers:

Armor
Dover
Haughton
Montgomery
Otis
U.S. Elevator
Westinghouse

2. Paragraphs B and C: Delete "Dahlstrom Manufacturing Company", Add: Western Manufacturing Company.

37 - Section 14210 - Traction Elevators: (A) Article 1.1.

1. Paragraph D.6; change to read:

6. NUMBER OF STOPS: 11 (10 FRONT, 5 REVERSE) 9 IN LINE. The "9 IN LINE" refers to Elevators 2, 3, 4. The "10 FRONT, 5 REVERSE" refers to Elevator 1.

2. Paragraph D.8,; change to read:

8. Travel: 142'-2" 109'-4".

(B) Article 21., paragraph H. Change "Elevators 2, 3 and 4:" to read: All elevators.

(C) Article 2.1, paragraph I; change "221" to read: 211.

(D) Article 2.2, paragraph F.5. Delete second sentence.

(E) Article 2.2, paragraph I; in the first line, change "machines" to read: generators.

(F) Article 2.3, paragraph A.2. In the second sentence, after the word "compensation", add the word: sheave.

(G) Article 2.3, paragraph C, Add:

5. Buffer switch: Provide switch to limit elevator speed if buffer is partially compressed.

(H) Article 2.4, paragraph K.2. In the sixth and seventh lines, delete the words "with infra red filters over the lens."

(I) Paragraph K.3.C; change the words "more than 20 seconds" to read: an adjustable period . . .

(J) Paragraph K.4; delete in entirety.

(K) Paragraph L; add:

12. Provide key switch for firemen's operation activation on each elevator. Include visual and audible signal for alerting operator when car is not operating automatically.

(L) Article 2.6, paragraph D. Change "director-type" to read: directory-type.

38 - Section 14230 - Elevator Cabs: (A) Article 1.1, paragraph D16. Change to read:

16. Door Type:	Two speed, side opening at rear (No. 1 only).
	Single speed center opening at front. (All)

39 - Section 14240 - Elevator Entrances: (A) Article 1.1, paragraph B. Add: All elevator entrances shall meet testing requirements of referenced elevator codes.

(B) Article 2.5, paragraph A. Delete the last sentence.

SPECIFICATIONS - MECHANICAL CONSTRUCTION

40 - Section 15020 - Irrigation: (A) Article 2.1, paragraph B. Change second sentence to read: One-piece valve, double slot vinyl top (yellow) to be flush with grade, catalog #4R.

(B) Article 2.1, paragraph G; in second line change "80#" to read: 160#...

41 - Section 15300 - Plumbing Fixtures and Trim: (A) Article 2.7. Fixture F-3D, by General Contractor, shall have foot operated controls instead of wrist blade as noted.

SPECIFICATIONS - ELECTRICAL CONSTRUCTION

42 - Section 16200 - Electrical Substations: (A) Article 2.5, paragraph G. Add paragraph g as follows:

g. Include with the shop drawings for switchboard complete catalog data sheets and catalog numbers of all metering components. Wiring diagrams shall constitute a part of these shop drawings.

43 - Section 16300 - Service & Equipment Grounding System: (A) Article 2.5, paragraph 6. Change the third sentence in this paragraph to read: "Furnish a set of three (3) ..."

44 - Section 16400 - Lighting Fixtures: (A) Article 2.5.

1. Add to Type A-4 fixture description:

"Provide engraved metal plate on fixture to read as follows: Center lamp is connected to emergency power, outer lamps on normal power. Center lamp is normally Off. Screw or rivet plate to fixture at a location easily seen with fixture installed and all lamps in place."

2. Delete all reference to Sechrist as an approved manufacturer for type "G", "G-1" and "G-2 fixture types and replace with Keene #DIFKA-240-277V.

3. Add to Fixture Type V and V1 description: "Fixture shall be approved for damp location."

DRAWINGS - GENERAL CONSTRUCTION

45 - Drawing A2-2: (A) Add new light (by Electrical) reference to detail 6/A10-1 located on Grid Line E20, centered between Grid Lines S14 and S15. Top of light fixture will be at e;evatopm 849-1 (see Appendix C, Sheet 2).

(B) Add two new lights (by Electrical) referenced to detail 6/A10-1 located on the north face of retaining wall on Grid Line S10. Center lights 3'-1" on each side of Grid Line E29. Top of fixture to be at elevation 830-2. See Appendix C, Sheet 2.

(C) Add two new lights (by Electrical) referenced to Detail 6/A10-1 located on the south face of retaining wall on Grid Line S6. Center lights 3'-1" on each side of Grid Line E29. Top of fixture to be at Elevation 830-2 9see Appendix C, sheet 2).

(D) Add new light (by Electrical) referenced to detail 6/A10-1, centered at 4'-1-3/8" from Grid Line E28 on north face of Core F11 and an identical on the south face of Core F8, also centered at 4'-1-3/8" from Grid Line E28. Top of both fixtures to be at elevation 830-2.

(E) All slabs on grade, flat or stepped, at exterior plaza, will have expansion joints centered on north/south and east/west grid lines.

46 - Drawing A3-1: (A) Detail 7. Add Addendum #2, Appendix A, Sheet 7 attached.

47 - Drawing A3-3: (A) Door Schedule. At Door 109, change hardware group from 35 to 38.

48 - Drawing A3-5: (A) At Room 129, delete Door 129A and replace with adjacent wall type.

(B) Door Schedule:

1. Delete Door 129A.

2. At Door 129B, change door type from C to H and hardware group from 9 to 37.

3. At Door 130C, door is Type B.

4. At Door 130D, door is Type B and width is 5'-3".

49 - Drawing A3-9: (A) Move door 8-105 to 4'-4" south from grid S7 next to wall.

(B) Move coat rack M111 east beyond door.

50 - Drawing A3-10: (A) 9th Floor Plan, At Room 129, add wall around sterilizer S297, change door number 129 to 129A, and add door 129B. See Appendix A, Sheet 9 for revised plan.

(B) Door Schedule:

1. Change door number 129 to 129A.

2. Add door number 129B, size and construction identical to door 128B.

51 - Drawing A4-1: (A) Detail 5. Add dimension "1'-0" at wall cabinets" from ceiling to bottom of soffit.

52 - Drawing A4-2: (A) 1st Floor Ceiling Plan.

1. At Room 108, show 2 light fixtures 3'-1" north of Grid S2 at east and west side of room. Delete fixture in northwest corner of room.

2. At Room 109, show 2 light fixtures 3'-1" north of Grid S2 at west and east side of room. Delete fixture in northeast corner of room.

53 - Drawing A4-3: (A) Reflected Ceiling Plan - 2nd Floor. At Room 108, revise reflected ceiling plan. See Appendix A, sheet 8.

54 - Drawing A4-5: (A) At 4th Floor Reflected Ceiling Plan, add soffit lights at Grids E14, E16, E24, E26, midway between Grids E18 and E19, and midway between Grids E21 and E22, all 6'-2" south of Grid S1, and also at Grids E24 and E26 both 6'-2" north of Grid S10. See Addendum 2, Appendix C, Sheets 2 and 3.

55 - Drawing A4-6: (A) 7th Floor. At Room 139, change location of light fixture at southeast corner of room to south center of room.

56 - Drawing A5-2: (A) Show recessed lights in lower right hand side of Panel L3, centered at 4'-1-3/8" from grid line E28.

(B) Detail 31. Show recessed light in lower left hand side of panel L3, centered at 4'-1-3/8" from grid line E28.

57 - Drawing A6-1: (A) Detail 12. Dash-in and add note: "Provide opening, for recessed light at Panel L3 as shown on elevations 29 and 31/A5-2; opening to be 6-3/4" high by 1'-1-1/2" wide, centered at 2'-0-3/8" from edge of panel and at 1'-3" above bottom of panel; reference opening to 6/A10-1.

58 - Drawing A6-2: (A) Detail 11. Clarification of Addendum #1, item 60(F).

1. Dimension from floor 5 to top of panel is 1'-4-1/2".

2. 14'-4-1/2" vertical dimension at front elevation should be 14'-6".

3. 14'-4-1/2" vertical dimension at rear elevation should be 14'-7" and 2-1/2" dimenshion should be 1-1/2".

59 - Drawing A6-6: (A) Detail 1. Floor gid at Panel C7 and C9 is 857-4 not 857-9.

60 - Drawing A7-3: (A) Detail 16. Revise concrete shelf elevations and joint locations as per drawings 2 and 3 of Appendix A.

61 Drawing A8-3: (A) Detail 2. At 3-1/2 x 5 x 1/4" continuous angle, add note to "discontinue at gutter drain as required."

62 - Drawing A9-1 (A) Detail 23. 1-1/8" and 3-3/8" dimensions at aluminum grille should be 1" and 3-1/2' respectively.

(B) Details 28, 33, 34. Details should show and note "Acoustic Coating" on the back side of formed steel panels.

63 - Drawing A9-3: (A) Details 1, 2 and 3. Vertical M.O. dimension should be 9'-0-1/4". Vertical 5'-7-1/2" dimension should be 5'-7-3/4".

(B) Detail 12. Vertical dimension of aluminum frame head is 3-1/4" with a joint of 1/4" between it and the ceiling at the interior.

(C) Detail 20. Detail reference 40/A8-2 "@ Type 'D' Louver" should read "@ Type 'E' louver".

64 - Drawing A10-1: (A) The joint detail shown on Appendix A, Sheet 1, applies to details 9, 11, 15, 18 and 23.

(B) Detail 5. Locate additional light (by Electrical) centered between grids S14 and S15 at the same elevation as all other lights in that detail; reference to detail 6/A10-1.

(C) Detail 12. Revise detail as per Appendix A, Sheet 4.

(D) Detail 15. Revise detail as per Appendix A, Sheet 2.

(E) Detail 16. Revise detail as per Appendix A, Sheet 3.

(F) Detail 28. Stepped slab shall be 5" thick, reinforced as specified. Any required construction joints will occur at the juncture of vertical and horizontal faces of slab. A horizontal construction joint is required between the lowest vertical face of slab and the horizontal slab at elevation 842-6-1/2.

(G) Detail 29. Stepped slab shall be 5" thick reinforced as specified. Any required construction joints will occur at the juncture of vertical and horizontal faces of slab. A horizontal construction joint is required between the lowest vertical face of slab and the horizontal slab at elevation 843-2-1/2.

65 - Drawing A10-2: (A) Except for detail 23, all other "lights by Electrical" should be referenced to detail 6/A10-1.

(B) Detail 5. Revise note: "12" x 12" x 1/2" steel plate by structural. Center on handrail supports" to read: "12" x 12" x 1/2" steel plate by miscellaneous metals. Center on handrail supports."

(C) Detail 17. Revise concrete slab shown east of Grid E28 to brick pavers on 3/4" bituminous setting bed on 3" bituminous paving. Include snow melting (by Electrical) 4" below top of plaza.

66 - Drawing A11-5: (A) Detail 3

1. Glass type note should read "1/2" acoustic one-way glass with mirror finish on room 122 side."

2. Change ceiling mounted curtain track to "wall mounted curtain track."

67 - Drawing A11-6: (A) Details 23 and 44. Stainless steel nosing to be "mill finish".

68 - Drawing A12-2: (A) Detail 22. Indicate two fume hoods and casework below at west end of Rooms 3-103 and 3-112 as part of Alternate No. 9.

(B) Detail 42. Indicate fume hood and casework below adjacent to casework assembly as part of Alternate No. 9 (Room 8-110).

(C) Detail 53. Indicate fume hood with base HB36E3 as part of Alternate No. 9.

69 - Drawing A12-3: (A) Detail 27. Indicate fume hood with casework below at north side of grid S4 as part of Alternate No. 9.

70 - Drawing A12-4: (A) Detail 44. Revise detail to eliminate the cover integral backsplash. Indicate the backsplash set on the countertop in manufacturer's recommended chemical resistant sealing compound.

71 - Drawing A12-5: (A) Detail 12:

1. Change swing of 2'-3" full height door to indicate hinges on right side.

2. Note that all cabinets this elevation are 18" deep.

(B) Detail 12. Note that clock outlet is to be centered on north wall.

(C) Details 35 and 47:

1. End panels of student desk units are to be 2-1/4" thick of construction similar to that of the countertop.

2. Add note: "Lights by Electrical Contractor".

(D) Detail 36. Indicate base below countertop by Plastic Laminate Casework and the countertop with shelves above by laboratory tops and accessories.

(E) Detail 54. Change 1'-4" dimension to 1'-6".

(F) Detail 58. Increase dimension 3'-1-3/8" by 6". Decrease dimension 2'-4-3/8" by 6".

72 - Drawing S1: (A) Move elevator pit sump to location shown on Sheet A3-1.

73 - Drawing S3: (A) Section 10/S3. Show slab 6" thick from east end, to 5" west of Grid E27; continuous from Grid S7 to Grid S9. Lower top steel in slab to provide 3/4" concrete cover. Omit all reference to precast supports.

(B) Omit detail 11/S3.

74 - Drawing S4: (A) See Appendix A, Sheet 6 for floor trench detail at S4-E19.

(B) Add W8 x 17, Grid E12, S1 to S2.

75 - Drawings S5: (A) Grid S1, E19 to E21. Omit 3/8" plate at W16 x 88.

76 - Drawing S6: (A) Grid S1, E19 to E21. Omit 3/8" plate at W16 x 88.

(B) Grid E26, S6 to S7. W8 x 24 to be 3'-0-1/8" below basic steel elevation.

77 - Drawing S7: (A) Grid S1, E19 to E21. Add W8 x 31 (-3'-9").

78 - Drawing S11: (A) Tenth floor and roof framing plan. Pour slab 10S8, 8-1/4" thick at walkway in Room 98. See Sheet A3-11 for location.

(B) Penthouse roof framing plan. Elevation of W8 x 24, Grid S7, E25 to E26 is - 15'-2'7/8". Elevation of W12 x 27 and 3/8 plate, Grid E19, S1 to S2; and E21, S1 to S2 is 5'-6-1/4". Elevation of W12 x 40 and 3/8" plate, Grid S2, E19 to E21 is 946'-4".

79 - Drawing S12: (A) Framing elevation for Grid S6. Omit W8 x 17 at Grid E22, between 10th floor and mechanical penthouse roof.

80 - Drawing S17: (A) Omit column detail 5/S17. See Appendix A, Sheet 5 for revised detail.

(B) Column detail 8/S17. Omit W8 x 17 at elevation 947'-9-3/4".

81 - Drawing S20: (A) Details 1/S20 and 20/S20. Change 8 x 4 x 3/8 angles to 8 x 4 x 7/16 angles.

(B) Detail 19/S20. Change 8 x 6 x 3/8 angle to 8 x 6 x 7/16 angle.

(C) Structural Components Schedule: See "Component Connection Detail and Structural Frame", column 8WF and 6WF. Detail 4 should appear at panel C9 not C8.

82 - Drawing S21: (A) Detail 26/S21. Change 6 x 3 x 1/2 angle to 6 x 3-1/2 x 1/2 angle.

83 - Drawing S22: (A) Wall section 3/S22. Add #6 x 2'-0" dowels at 12" o.c. from concrete wall into slab on grade. Embid 9" in wall.

(B) Section thru planter 5/S22. Top of precast panel at wall on E30 shown as El. 833'-4", change to El. 830'-6". Precast panel ledge on walls to right of E30, reading from left to right, change as follows:

El. 830'-6-1/4" change to El. 830'-1-1/2".
El. 833'-4" change to El. 832'-11-1/2".
El. 836'-2" change to El. 835'-9-1/2"

Other elevations remain unchanged.

DRAWINGS - MECHANICAL CONSTRUCTION

84 - Drawing M-35: (A) Transfer grille in Room 2-108 shall be located approximately 5 feet east of location shown. See revised Reflected Ceiling Plan Appendix A, sheet 8.

DRAWINGS - ELECTRICAL CONSTRUCTION

85 - Drawings E-2 thru E-12: (A) In all mechanical and electrical cores where light switch and receptacle are both located near the door, the switch and receptacle shall be ganged together with the switch located nearest the door. Mounting height shall be 48". Provide barrier between the switch and receptacle where voltages are different.

86 - Drawing E3: (A) In Room 1-108 relocate fixture from northwest corner of "b" bank of fixtures to southeast spot of the "b" bank.

(B) In Room 1-109 relocate "b" switched fixture nearest to Grid S-2 from the east side of the room directly west to align with fixtures on the west side of the room.

(C) Change lighting fixture type in Rooms 1-83 and 1-91 from Type "G-1" to type "G-2".

(D) Change all lighting fixtures in Room 1-117 from Type "G" to Type "K".

87 - Drawing E4: (A) Change lighting fixture type of fixture at south end of Room 2-109 from Type "A-2" to Type "A-1".

(B) Change lighting fixture type in Rooms 2-103 and 2-104 from Type "A-2" to Type "A". Provide "a,b,a" switching at each fixture.

(C) Type "Q" light fixture in Room 2-111 should be shown as recessed.

(D) Refer to Appendix C, sheet 1, for changes to lighting in Room 2-108.

88 - Drawing E5: (A) Detail 2. Refer to Appendix C, sheets 2 and 3, for changes to exterior lighting.

89 - Drawing E6: (A) Change all lighting fixtures in Room 4-101 with Type "A-4" designation to Type "A-3".

90 - Drawing E7: (A) Change lighting fixture type in Room 5-120 from Type "A-2" to Type "A". Provide "a,b,a" switching at each fixture.

(B) In Room 5-134 relocate switch "b" from east entrance to west entrance. Change wire quantities in switch legs accordingly.

(C) In Room 5-138 relocate switch "b" from east entrance to south entrance. Change wire quantities in switch legs accordingly.

91 - Drawing E8: (A) Delete lighting fixture nearest the door in Rooms 6-169, 6-170 and 6-171.

92 - Drawing E-9: (A) Change lighting fixture type in Room 7-153 from Type "A-2" to Type "A-1".

(B) In Room 7-139 shift lighting fixture nearest the door west to centerline of room.

93 - Drawing E11: (A) Type "Q" light fixture in Room 9-138 should be shown as recessed.

94 - Drawings E13 thru E23: (A) Duplex outlets shown immediately adjacent to each other shall be installed in a 2-gang box with a single 2-gang plate.

95 - Drawing E17: (A) Room #4-92. Delete telephone outlet located near grids S6/E23-1/2. Install 3/4" empty conduit from telephone outlet in Room 4-129 to telephone zone junction box above ceiling of Room #4-130.

(B) Room 4-101. Install five (5) double duplex outlets shown on north side of wall located on Grid S2 at 12" above floor in lieu of 42" as shown.

(C) Room 105. Install duplex outlet located on south wall at 42" above floor in lieu of 12" as shown.

(D) Change numbered note #10 to read: multi outlet raceway mounted at 42" above floor.

96 - Drawing E18: (A) Room 5-129. Telephone and receptacle outlets shown on south wall shall be installed 7'-0" east of where shown.

(B) Room 5-143. Flush floor coupling identified by numbered note 11 shall be installed 4'-0" south of north wall.

(C) Delete home run identified as ELF5-1, circuit #3 feeding duplex outlet for equipment item #R-619 located near Grids S4/E15. Pull in (1) additional circuit in home run identified as LF5-4, circuit #12 and feed duplex outlet for equipment item #R-619 from duplex outlet for equipment item #k500. Connect the additional circuit to spare 20A-1 pole circuit breaker in Panel #LF5-4.

(D) Delete home run identified as ELF5-1, circuit #1, 2 feeding duplex outlet for equipment item #R-619 located near Grids S3-1/2/ E24-1/2. Delete branch circuit conductors and conduit between this duplex outlet and duplex outlet located near Grids S2/E27 for equipment item #R-619. Pull in (1) additional circuit in home run identified as LF5-1, circuit #7 and feed duplex outlet for equipment item #R-619 from duplex outlet for equipment item #K500. Connect additional circuit to spare 20A-1 pole circuit breaker in Panel #LF5-1. Install a 3/4" 2#12 home run from duplex outlet for equipment item #R-619 located near Grids S2/E27 to Panel #ELF5-1.

97 - Drawing E-19: (A) Room #6-112. Duplex outlet on east wall shall be installed at 12" above floor in lieu of 42" as shown.

98 - Drawing E41: (A) Detail #9. Maximum depth of circuit breaker enclosure shall be 4-1/4" in lieu of 4" as shown.

99 - Drawing E42: (A) Details 3 and 4.

1. 600 amp primary switches shall contain 600 amp bus.

2. Change numbered note referring to ground fault relay on substation (elevation only) from #1 to #3.

ACCEPTABLE MANUFACTURERS - ALL CONTRACTS

100 - The below listed manufacturers of materials, equipment or systems are acceptable subject to final acceptance of the specific products as to satisfying all requirements of the Contract Documents. The cost of any changes in the work of all trades as a result of substitutions shall be borne by the Contractor making the substitutions:

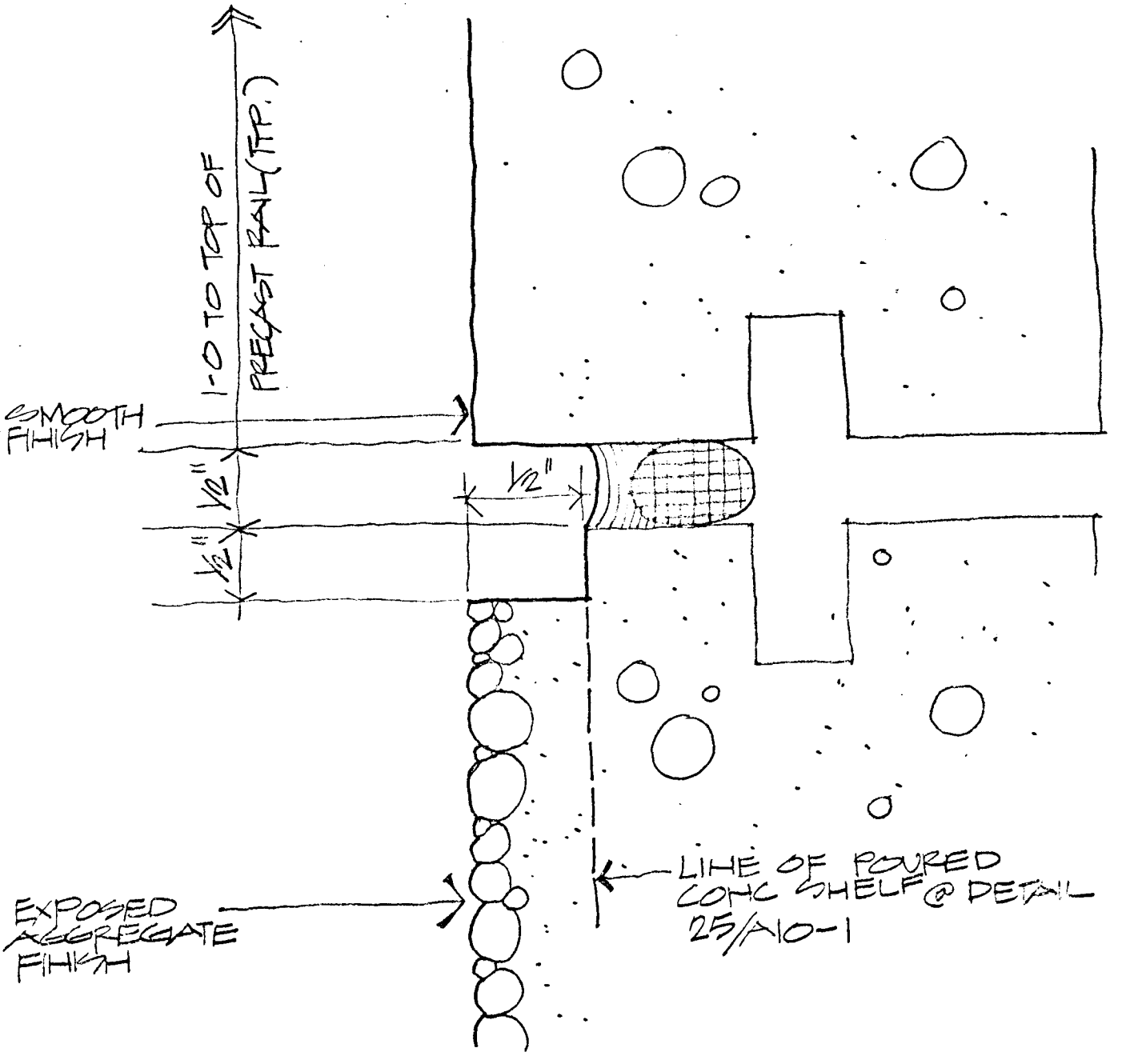
Specification Reference	Item	Acceptable Manufacturers
03300-2.1-F.7	Grout	Grace Vibro-Foil
03300-2.1-F.8	Latex Concrete	Sikabond
03300-2.1-G.1	Floor Sealer	N. C. Clear Cote
03300-2.1-G.3	Bonding Agent	Sikabond
03300-2.2-C.2	Expansion Joint Filler	North Central
07570-2.2-B	Deck Coating	Karnak
07900-2.2-A	Primary Sealant	Sikaflex 1a Tremco Dymeric
08900-1.3-B	Curtainwall Fabricator	Wausau

NOTE: 08900-2.1-E.1 Poured-in-Place Thermal Break is acceptable.

15120-2.2-C.2	Gas Plug Valves	Homestead
15120-2.2-G.9	Balancing Cocks	Homestead
15120-2.2-G.11	Butterfly Valves	Demco
15150-2.2	Equipment Isolator Assemblies	Amber Booth
15150-2.3.A	Flexible Pipe Connectors	EGC
15260-2.7	Backwater Valves	Jay R. Smith
15300-2.3.F	Carriers	Jay R. Smith
15300-2.7	F-7 Surgical Scrub Station	Amsco
15300-2.7	F-10 Emergency Shower & Eyewash	Haws
15650-2.3A	Reheat Coils - Hot Water	Airtherm
15650-2.4.A	Finned Tube Radiation	Airtherm
15650-2.6.A	Expansion Tank	Wessels John Wood Thrush

Specification Reference	Item	Acceptable Manufacturers
15710-2.3.A	Radiator Coolant System Expansion Tank	Wessels John Wood Thrush
15800-2.4	Access Doors, Panels and Cleanouts	Cesco
15800-2.6	Built-up Sheet Metal Housings	Semco
15800-2.7	Noise Attenuators	Gale Semco
15800-2.8	Flexible Duct	Anco-Flex
15800-2.9.B	Centrifugal Fans	Peerless Bayley Barry Twin City Fan & Blower
15800-2.9C	Propeller Fans	American Coolair Powerline Fan
15800-2.9D	Fume Hood Exhaust Fans	Peerless Bayley Barry Twin City Fan & Blower
15800-2.9E	Utility Fan Sets	Peerless Bayley Barry Twin City Fan & Blower
15800-2.10	Registers, Grilles, Diffusers - Type M	Titus
15800-2.12F	Automatic Fire Dampers	Action Air Prefco Products
15830-2.3	Exhaust Hood Filter for Radioactive Hoods	Flanders Filters
15830-2.4	Throwaway Filters	Continental Air Filters
15900-2.3A	Chilled Water System Expansion Tank	Wessels John Wood Thrush
15990	Chemical Treatment	Chemtex

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON BID FORM.



TYPICAL JOINT BETWEEN SMOOTH TOP RAIL & WALL BELOW WITH EXPOSED ~~AGG~~REGATE FINISH

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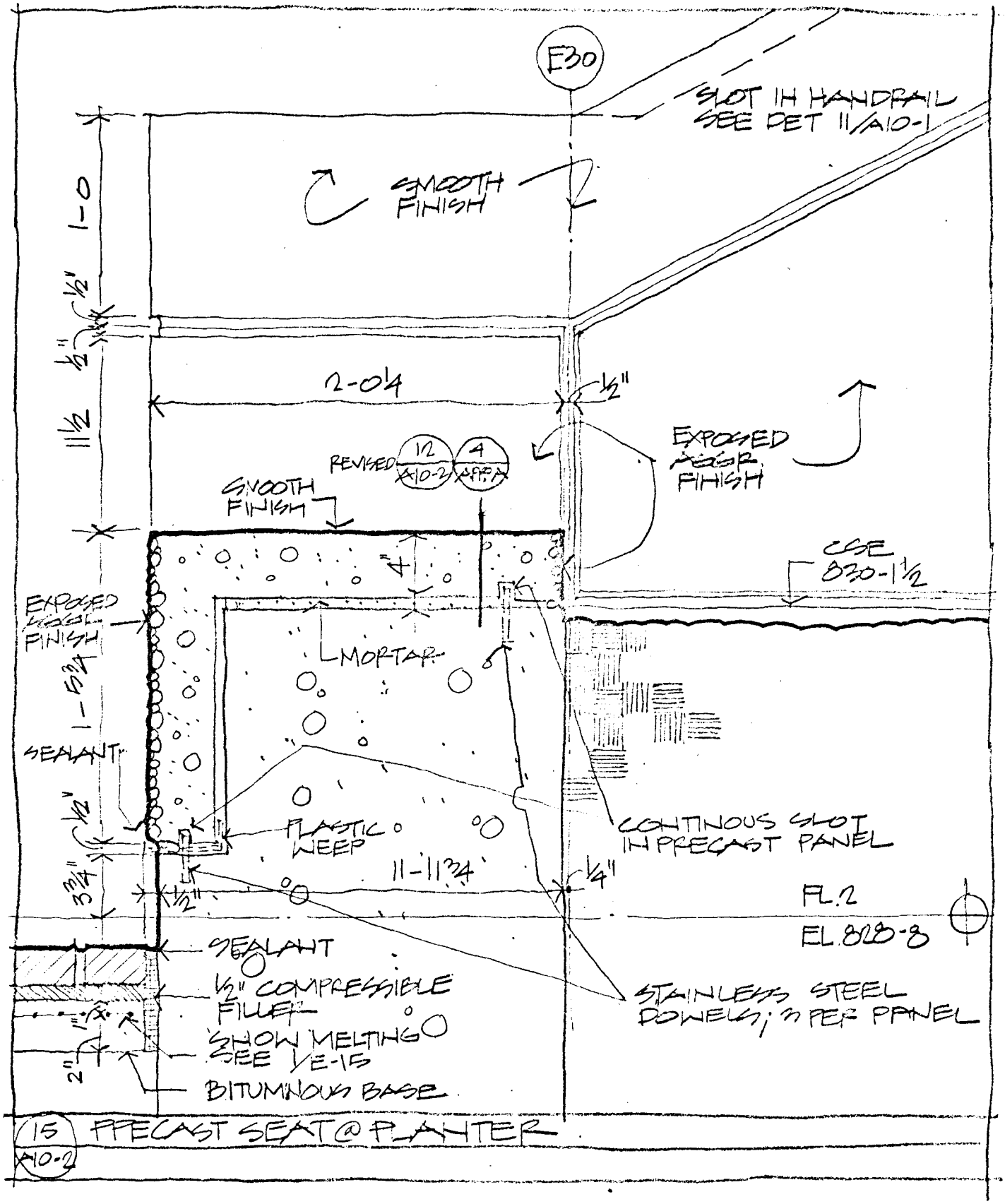
A
SHEET 1



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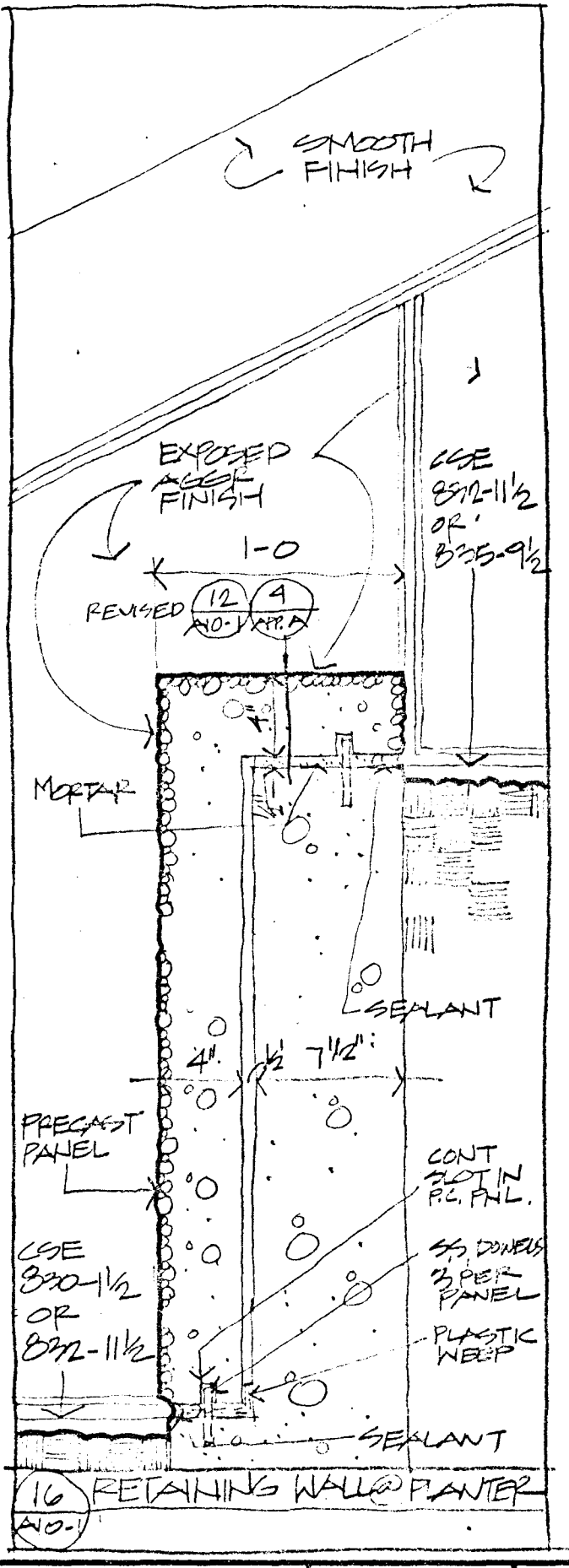
ADDENDUM # 2

SHEET NO. APPENDIX A

SHEET 2



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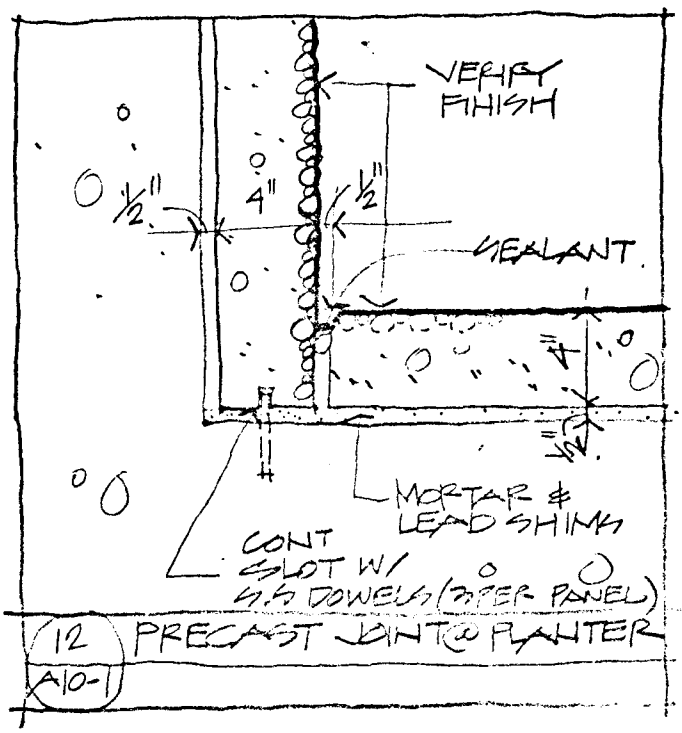

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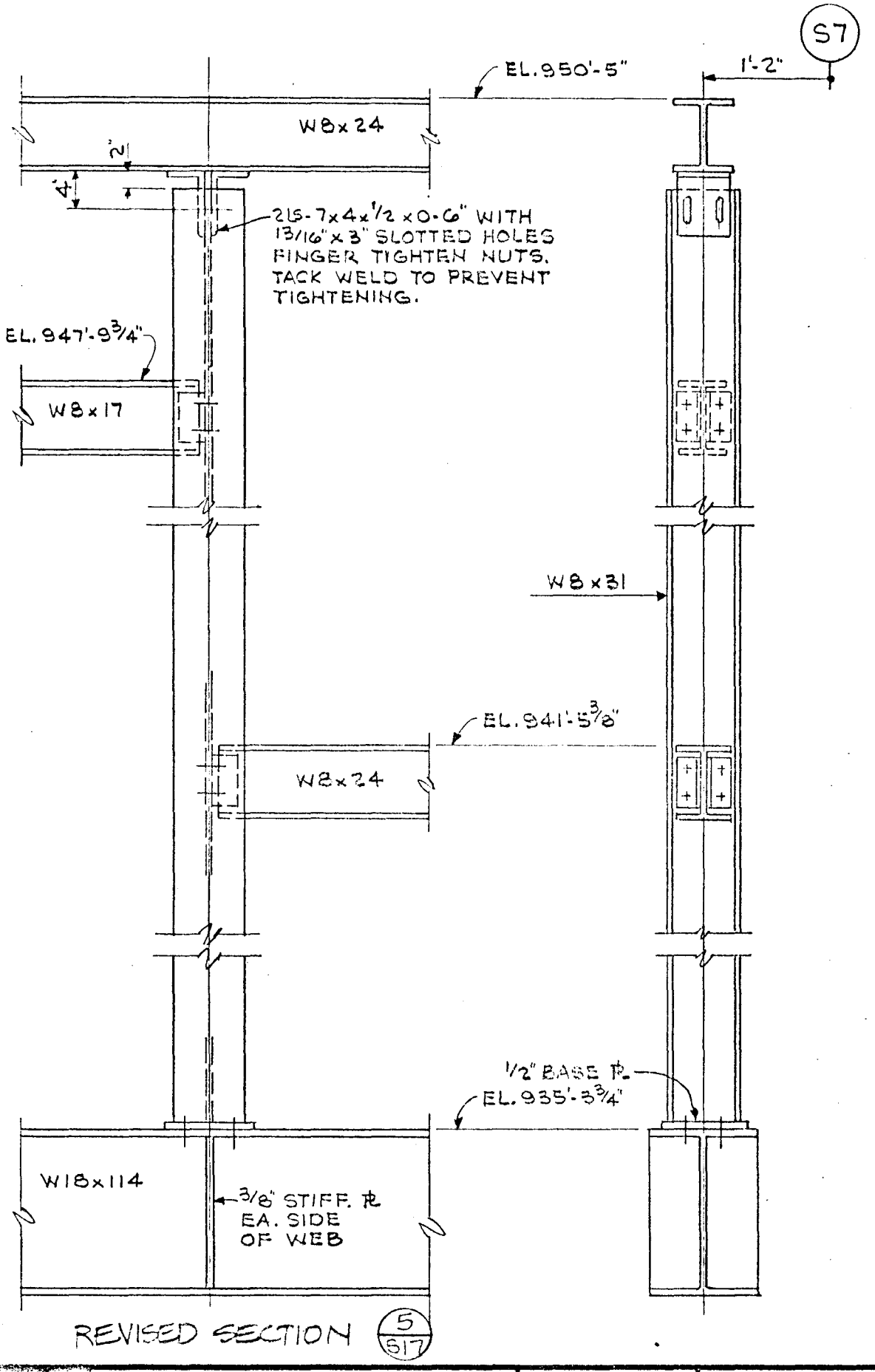
SHEET 4



REVISED SECTION (5/S17)

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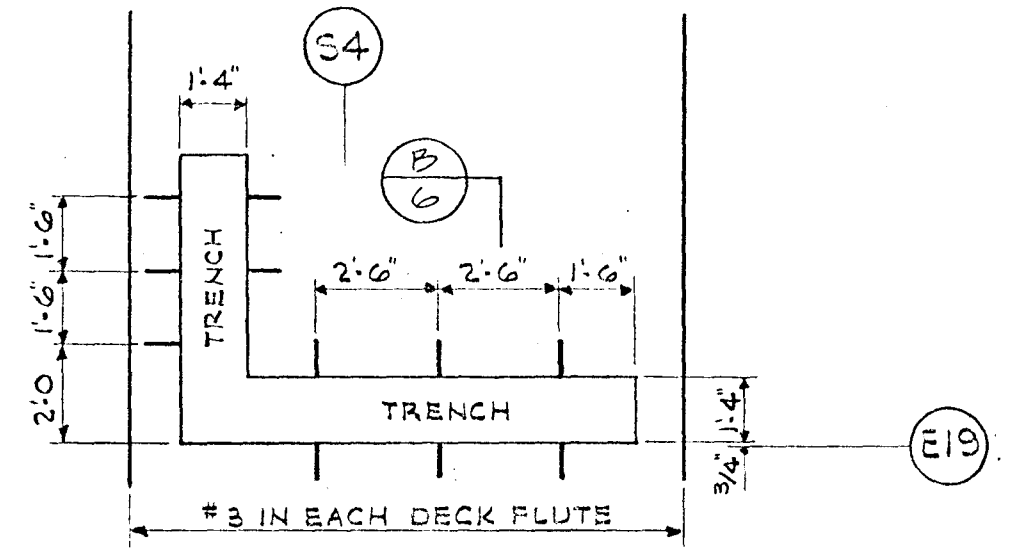
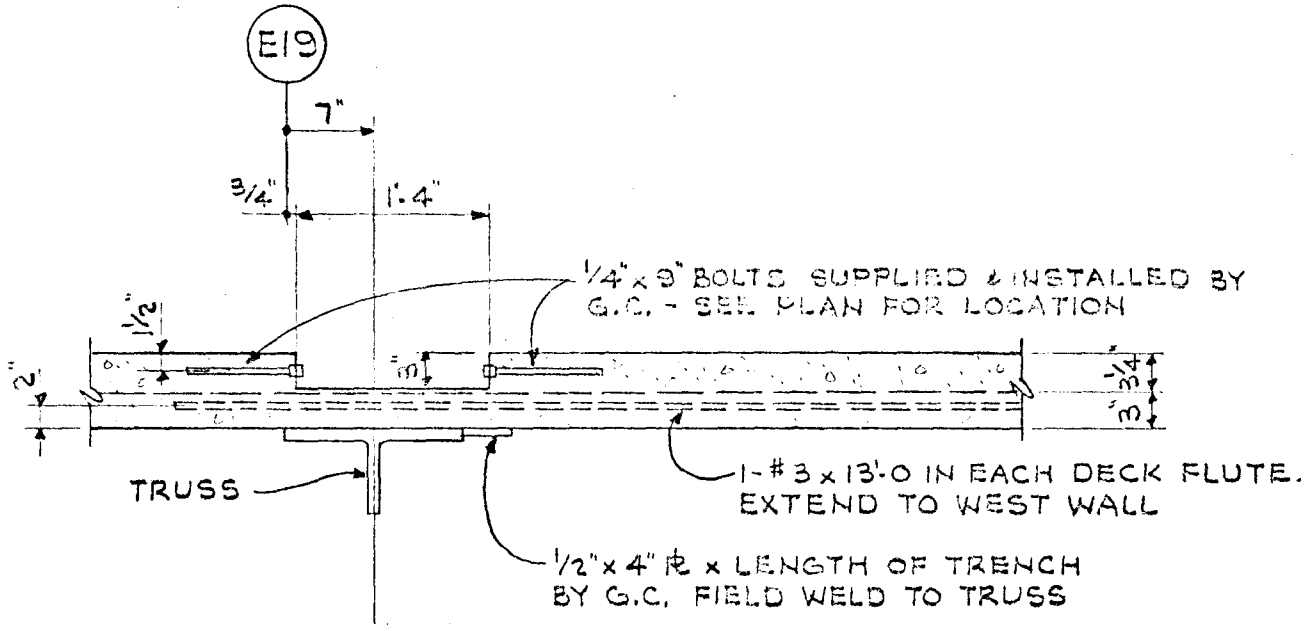


PLAN - ELECTRICAL FLOOR TRENCH IN ROOM 3-107

A/6

VERIFY DIMENSIONS WITH ELEC. CONT'R.



B/6 3/4" = 1'-0

ELECTRICAL FLOOR TRENCH — 3RD FLOOR - ROOM 107

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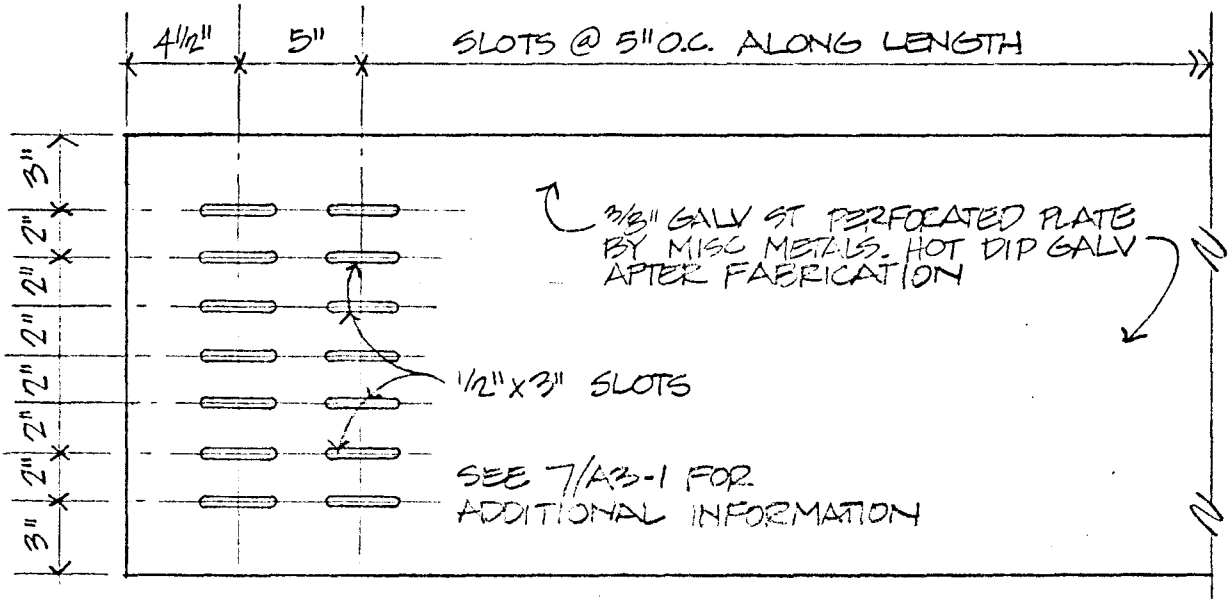
JOB NO	345.00
DRAWN	J.C.D.
CHECK	P.A.
SCALE	NONE
DATE	10 SEP 79

ADDENDUM NO. 2

SHEET NO APPENDIX A SHEET 6



PLAN OF PERFORATED PLATE @ BASEMENT FLOOR TRENCH

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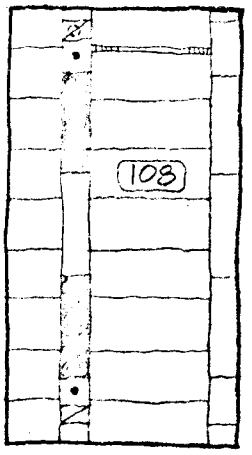
JOB NO 8-18.00
DRAWN MP
CHECK
SCALE 1/2" = 1'-0"
DATE 11.29.78

ADDENDUM NO 2

SHEET NO APPENDIX A
SHEET 7



REVISED REFLECTED CEILING PLAN - 2ND FLOOR ROOM 108

UNIVERSITY OF MINNESOTA
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THE ARCHITECTS COLLABORATIVE, INC. CAMBRIDGE, MASS. &
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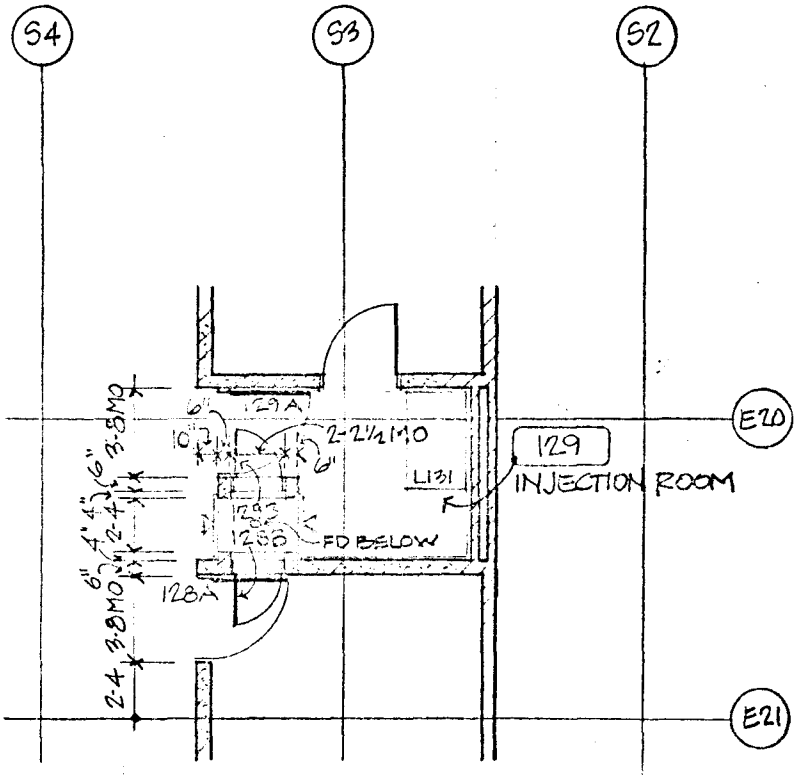
JOB NO 5465.00
DRAWN
CHECK
SCALE
DATE

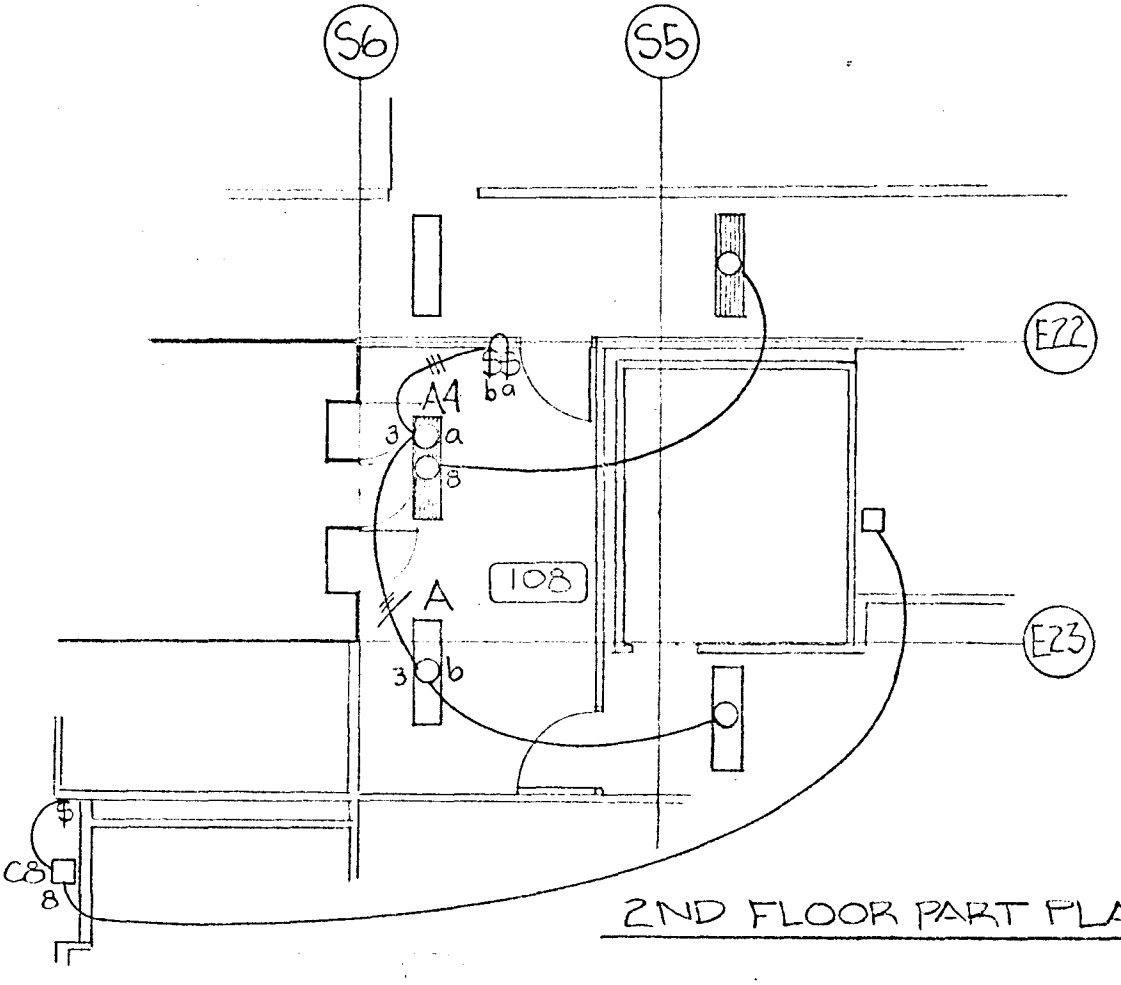
ADDENDUM NO 2

SHEET NO
APPENDIX
A
SHEET 8



REVISED PLAN FLOOR 9 ROOM 129

UNIVERSITY OF MINNESOTA HEALTH SCIENCES EXPANSION THE ARCHITECTS COLLABORATIVE, INC. CAMBRIDGE, MASS. & THE HEALTH SCIENCES ARCHITECTS & ENGINEERS, INC.	JOB NO 345.09 DRAWN MD CHECK BEJ SCALE 1/2" = 1-0 DATE 19 SEP 73	ADDENDUM NO 2	SHEET NO APPENDIX A SHEET 9



2ND FLOOR PART PLAN

NOTES:

DELETE TYPE C2 FIXTURES IN ROOM 2-108 AND INSTALL FLUORESCENT FIXTURES AS SHOWN

DELETE CIRCUIT LF2-3 #31. CONDUIT, WIRE AND CIRCUIT BREAKER

CONNECT FIXTURE C8 AS SHOWN

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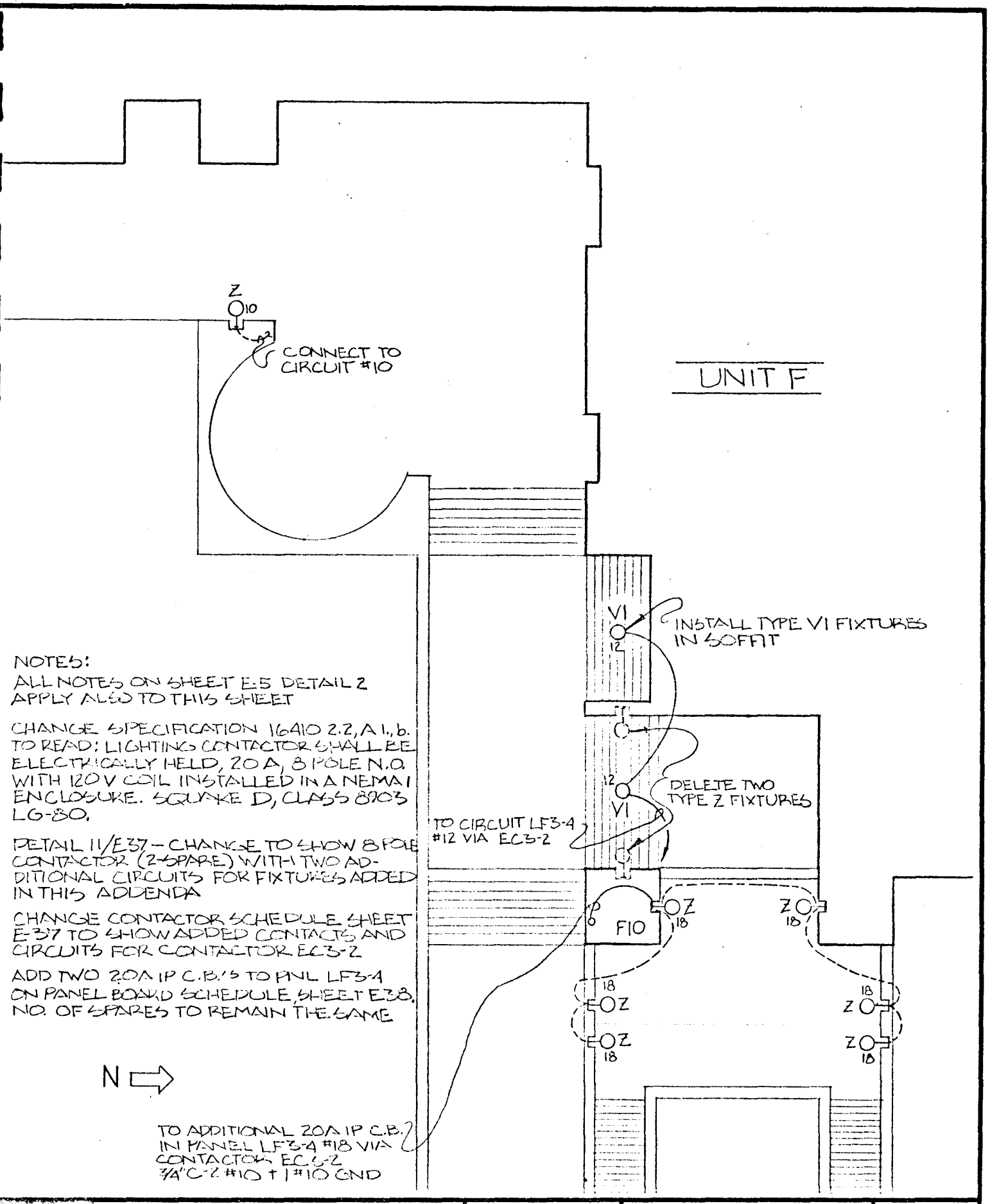
JOB NO 5[illegible]
DRAWN [illegible]
CHECK GAH
SCALE [illegible]
DATE 11 SEPT 75

ADDENDUM NO 2
LIGHTING
ROOM 2-108

SHEET NO
APPENDIX
C
SHEET 1



NOTES:
ALL NOTES ON SHEET E-5 DETAIL 2 APPLY ALSO TO THIS SHEET

CHANGE SPECIFICATION 16410 2.2, A 1., b. TO READ: LIGHTING CONTACTOR SHALL BE ELECTRICALLY HELD, 20 A, 8 POLE N.O. WITH 120 V COIL INSTALLED IN A NEMA 1 ENCLOSURE. SQUARE D, CLASS 8903 LG-80.

DETAIL 11/E37 – CHANGE TO SHOW 8 POLE CONTACTOR (2-SPARE) WITH 1 TWO ADDITIONAL CIRCUITS FOR FIXTURES ADDED IN THIS ADDENDA

CHANGE CONTACTOR SCHEDULE SHEET E-37 TO SHOW ADDED CONTACTS AND CIRCUITS FOR CONTACTOR EC3-2

ADD TWO 20A 1P C.B.'S TO PNL LF3-4 ON PANEL BOARD SCHEDULE, SHEET E38. NO. OF SPARES TO REMAIN THE SAME

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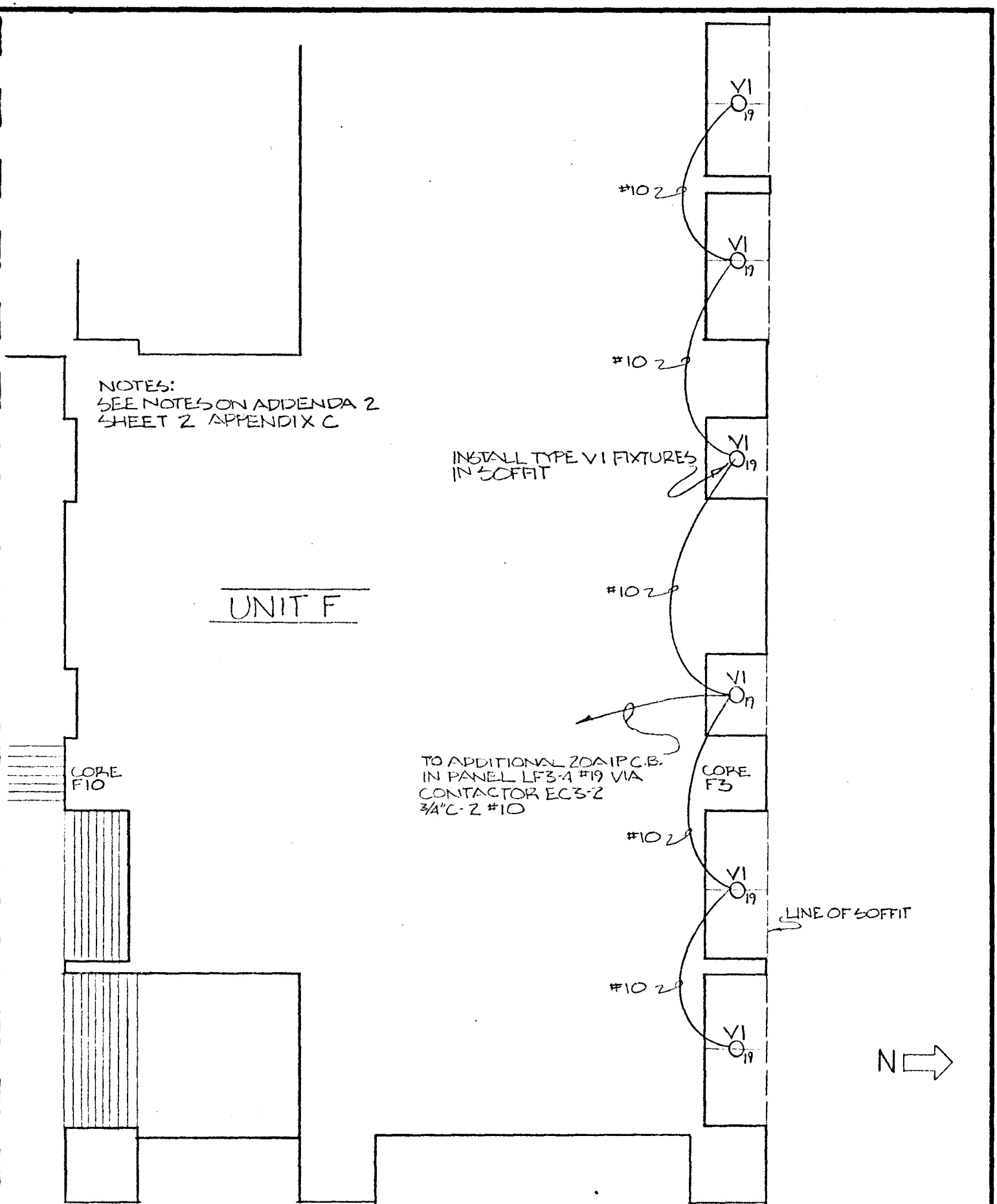
JOB NO.
DRAWN
CHECK GAH
SCALE 1/8" = 1'-0"
DATE

ADDENDUM NO 2
EXTERIOR LIGHTING

SHEET NO
APPENDIX C
SHEET 2



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JOB NO
DRAWN
CHECK CAH
SCALE
DATE

ADDENDUM NO 2
EXTERIOR LIGHTING

SHEET NO APPENDIX C SHEET 3