

CPA-892	T-1	REPLACE ROOF CIVIC CENTER	Schedule of drawings	01/06/2004
CPA-893	A-1	ENG FILE # FPCC0010 ACCOUNT #	Roof plan	
CPA-894	A-2	02-0200-785-CC0011-00-Z	Sections	
CPA-895	A-3		Details	
CPA-896	A-4		Fascia sections and details	
CPA-897	A-5		Fascia details	
CPA-898	A-6		Elevations	
CPA-899	A-7		Soffit plan	
CPA-899A	A-8		Ladder elev and details	
CPA-899B	A-9		Ladder plans and details	
CPA-899C	A-10		Steel walkway	
CPA-899D	A-11		Electrical panel platform	
CPA-899E	E1 01		Soffit lighting plan	
CPA-899F	E1 02		Electrical details	
CPA-899G	E2 01		Electrical specifications	

REPLACE ROOF CIVIC CENTER

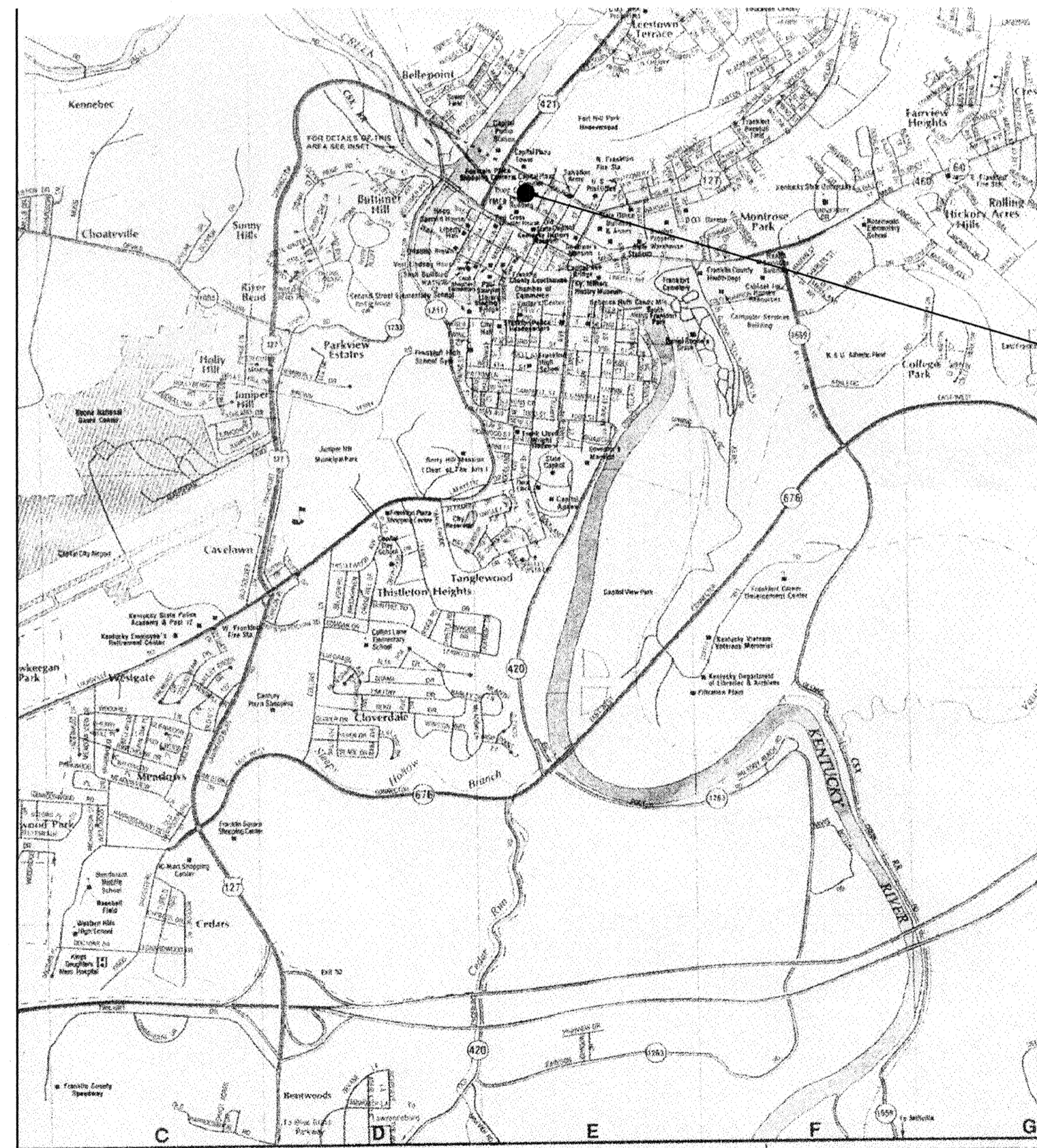
FRANKFORT, KENTUCKY

COMMONWEALTH OF KENTUCKY
FINANCE AND ADMINISTRATION CABINET
DEPARTMENT FOR FACILITIES MANAGEMENT
DIVISION OF ENGINEERING
FRANKFORT, KENTUCKY

PAUL E. PATTON, GOVERNOR
STATE OF KENTUCKY

ENG. FILE NO. FPCC0010

ACCOUNT NO. 02-0200-785-D785-11-011-CC0011-00-Z



SITE LOCATION PLAN

N. T. S.

THIS PROJECT

LEGEND

	BRICK
	CONCRETE
	EARTH
	GRAVEL
	GYPSUM BOARD
	ROUGH LUMBER
	FINISH LUMBER
	INSULATION
	PLYWOOD
	ALUMINUM
	STEEL
	SHEET METAL
	EXIST. GRADE
	SECTION
	ON SHEET

ABBREVIATIONS

AFF.	ABOVE FINISH FLOOR
AL.	ALUMINUM
BLDG.	BUILDING
BOTT.	BOTTOM
B. S.	BRICK SEAT
CAB.	CABINET
C/L	CENTER LINE
CONC.	CONCRETE
CONT.	CONTINUOUS
DET.	DETAIL
D. S.	DOWNSOUT
EA.	EACH
EL.	ELEVATION
EJM	EXPANSION JT. MATERIAL
EQ.	EQUAL
EXIST.	EXISTING
EXT.	EXTERIOR
F. D.	FLOOR DRAIN
FL.	FLOOR
GA.	GAUGE
G. I.	GALVANIZED IRON
GR.	GRADE
GYP. BD.	GYPSUM BOARD
INSUL.	INSULATION
JT.	JOINT
MAT.	MATERIAL
MET.	METAL
M. H.	MAN HOLE
M.O.	MASONRY OPENING
N. T. S.	NOT TO SCALE
P. L.	PLATE
PLY. WD.	PLYWOOD
REQ.	REQUIRED
R. D.	ROOF DRAIN
R. O.	ROUGH OPENING
S/S	STAINLESS STEEL
TOGG.	TOGGLE BOLT
TYP.	TYPICAL
WD.	WOOD
W/O	WITH OUT
W/P	WATERPROOF
C/R	COLD ROLLED
T/E	TAPERED EDGE
VBS	VENTING BASE SHEET
BSF	BASE SHEET FASTNER

BOLTS AND SCREWS

FH	FLAT HEAD
RH	ROUND HEAD
OH	OVAL HEAD
WS	WOOD SCREW
SMS	SHEET METAL SCREW
MB	MACHINE BOLT
PDF	POWER DRIVEN FASTNER

INDEX TO NOTES

1. GENERAL
- 1-4 Thru 1-4 Sh. A-1
2. EXISTING TO REMAIN
- 2-1 Thru 2-21 Sh. A-1, A-6
21. EXISTING TO REMOVE
- 21-1 Thru 21-6 Sh. A-1, A-6
3. Not Used.
4. Not Used.
5. LADDER AND PLATFORM
- 5-A Thru 5-21 Sh. A-8, A-9
51. STEEL STEPS
- 51-A Thru 51-14 Sh. A-10, A-11
52. ELECTRIC PANEL PLATFORM
- 52-A Thru 52-11 Sh. A-11
6. CARPENTRY
- 6-1 Thru 6-15 Sh. A-3
7. INSULATION
- 7-1 Thru 7-9 Sh. A-2
71. ROOFING
- 71-1 Thru 71-15 Sh. A-2
72. ACCESSORIES
- 72-1 Thru 72-6 Sh. A-3
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- 73-1 Thru 73-1 Sh. A-3
74. METAL FACIA PANELS
- 74-1 Thru 74-19 Sh. A-4, A-5, A-6

SCHEDULE OF DRAWINGS

SHEET	TITLE
T-1	TITLE SHEET AND SCHEDULE OF DRAWINGS

SITE DEVELOPMENT

NONE REQUIRED THIS PROJECT

ARCHITECTURAL

- A-1 ROOF PLAN
- A-2 SECTIONS
- A-3 DETAILS
- A-4 FASCIA SECTIONS AND DETAILS
- A-5 FASCIA DETAILS
- A-6 ELEVATIONS
- A-7 SOFFIT PLAN
- A-8 LADDER ELEVATIONS AND DETAILS (C. O.)
- A-9 LADDER PLANS AND DETAILS (C. O.)
- A-10 STEEL WALKWAY (C. O.)
- A-11 ELECTRIC PANEL PLATFORM (C. O.)

STRUCTURAL

NONE REQUIRED THIS PROJECT

PLUMBING

NONE REQUIRED THIS PROJECT

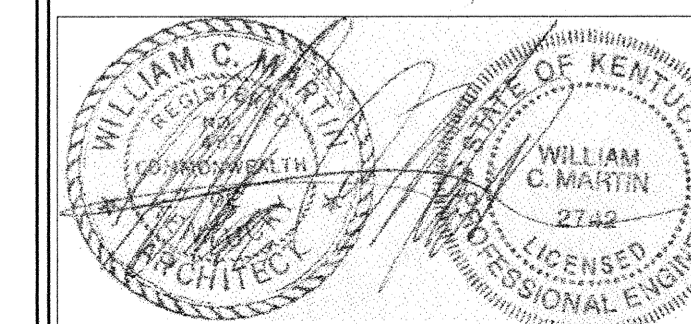
HVAC

NONE REQUIRED THIS PROJECT

ELECTRICAL

- E1.01 Soffit Lighting Plan (C. O.)
- E1.02 Electrical Details (C. O.)
- E2.01 Electrical Specifications (C. O.)

WILLIAM C. MARTIN, P.S.C.
ARCHITECTS - ENGINEERS

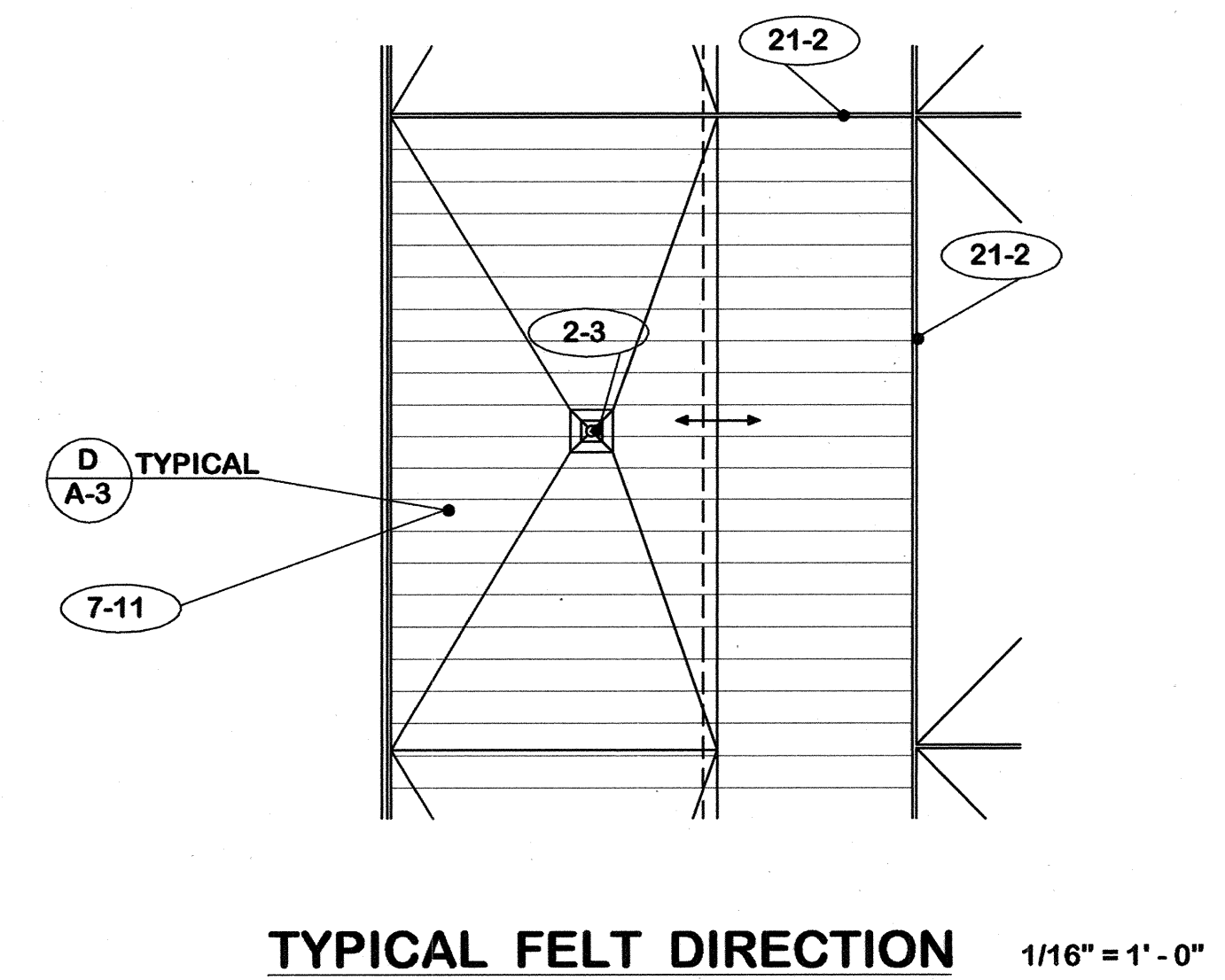
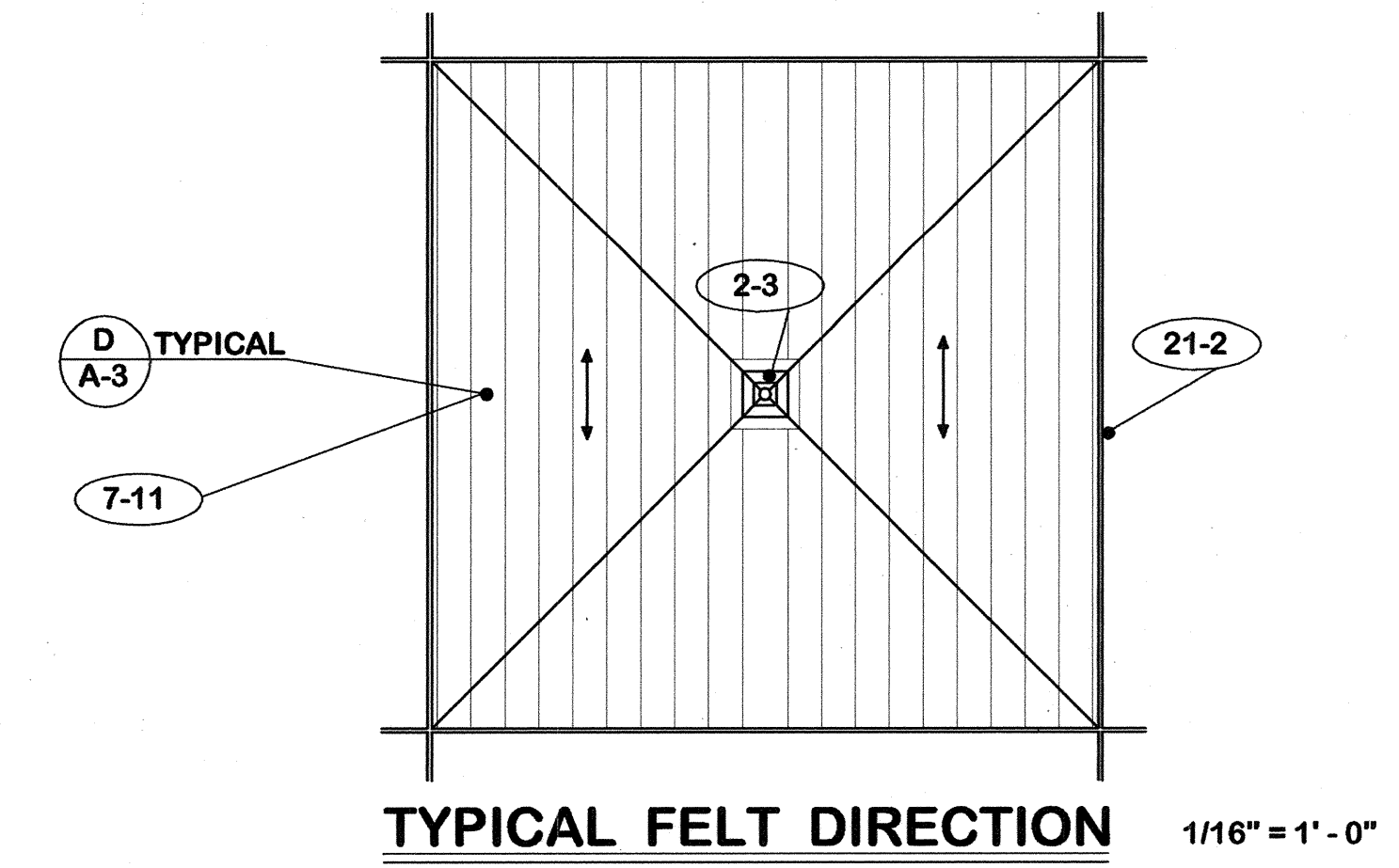
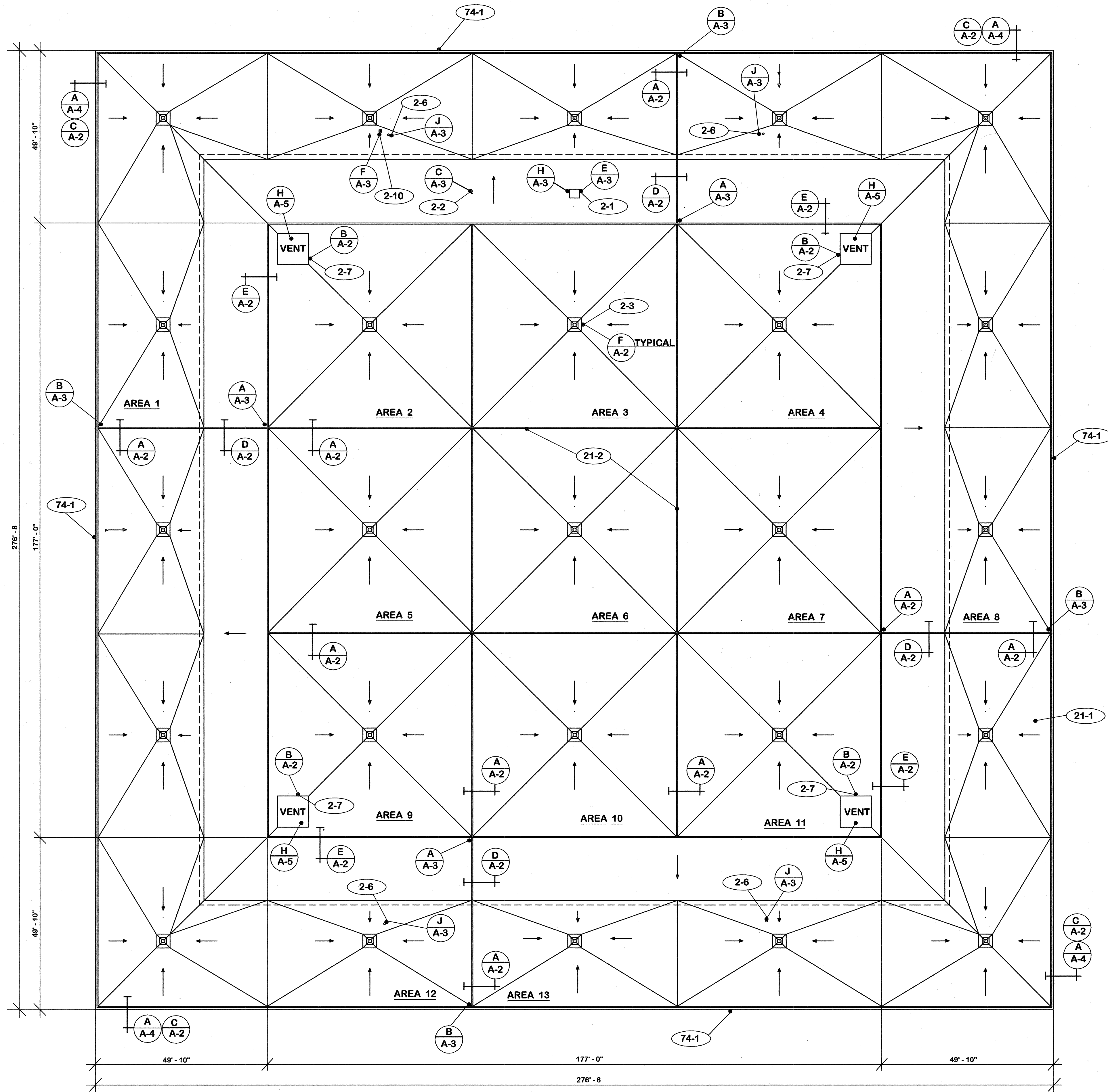


"AS-BUILT" NOTE: 25 July 2005

1. Added sheets A-8, A-9, A-10, A-11, E1.01, E1.02 and E2.01.
2. Added note series 5., 51. and 52.
3. Change total number of drawings to 12.
4. Composite aluminum panels are "Acolobond" by Alcan Industries, 208 West 5th street Benton, Kentucky.

COMM. NO. 573-75 DATE: 18 NOVEMBER 2003 SHEET T-1 OF 12

CPA-892



"AS-BUILT" NOTE:

- Delete notes 2-5, 21-6 and 6-14.
- Add notes 2-14 through 2-21.
- Change total number of drawings to 12.

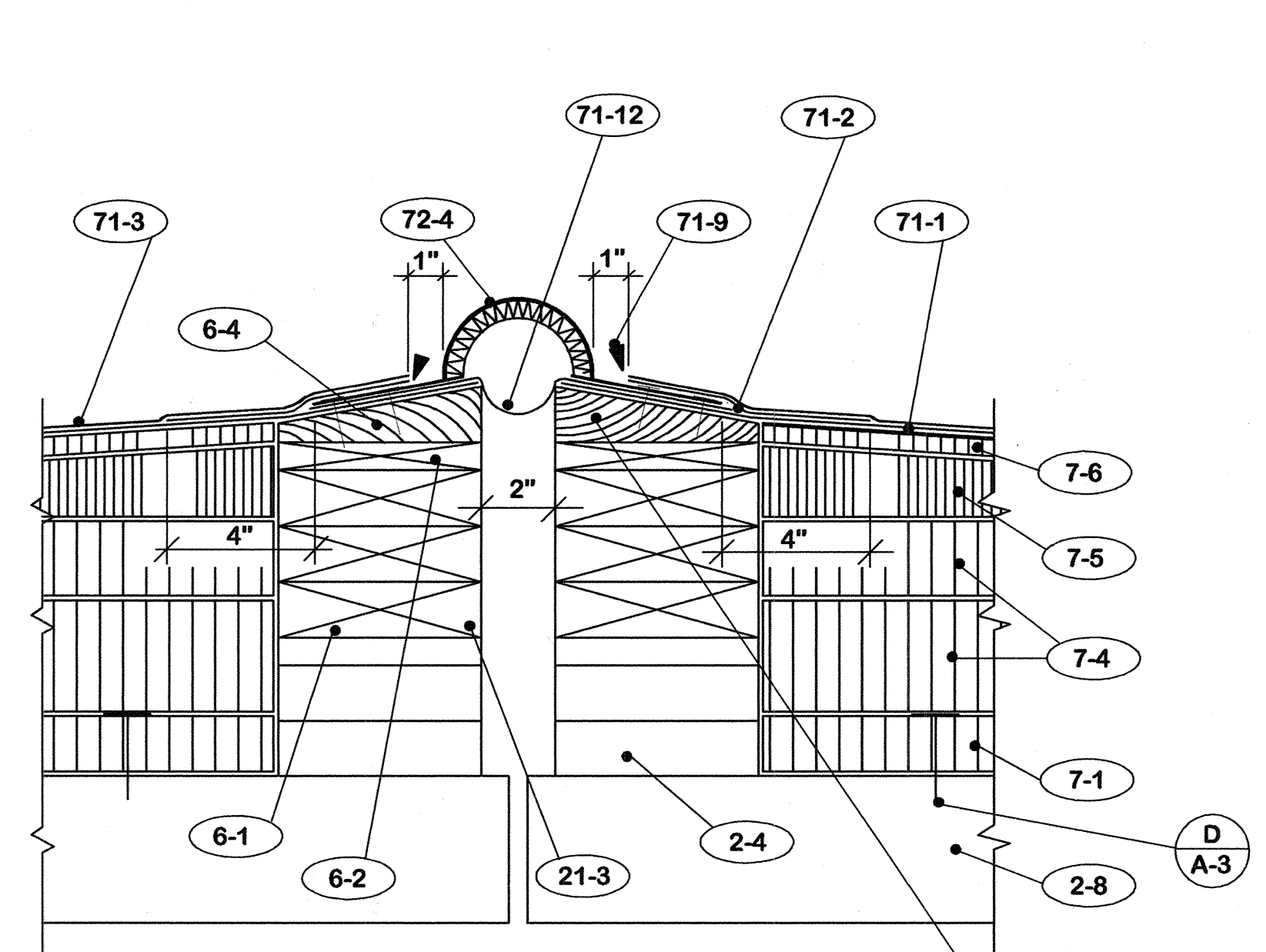
- GENERAL**
 - 1-1 Do not scale drawings.
 - 1-2 Verify field conditions, dimensions and quantities prior to ordering or placing any materials in the work.
 - 1-3 Verify free flow through all roof drains before beginning any demolition.
 - 1-4 Replace damaged or missing roof drain strainers.
- EXISTING TO REMAIN**
 - 2-1 Roof hatch.
 - 2-2 Antenna support.
 - 2-3 Roof drains.
 - 2-4 Wood blocking.
 - 2-5 Deleted.
 - 2-6 Plumbing vent.
 - 2-7 Vent shaft cover.
 - 2-8 Metal deck.
 - 2-9 Wood construction.
 - 2-10 Pipe thru roof.
 - 2-11 2 X 4's @ 2'-0" c/c.
 - 2-12 3" foil faced fiberglass insulation.
 - 2-13 Plaster soffit.
 - 2-14 Steel truss.
 - 2-15 Steel railing.
 - 2-16 Steel grating.
 - 2-17 Steel channel.
 - 2-18 Concrete slab.
 - 2-19 Concrete wall.
 - 2-20 Door and frame.
 - 2-21 1/2" plywood sheathing.
- EXISTING TO REMOVE**
 - 21-1 Flashing, roofing and insulation to roof deck.
 - 21-2 Expansion joint covers.
 - 21-3 Sloped wood members.
 - 21-4 1 x 6.
 - 21-5 Wood blocking.
 - 21-6 1/2" plywood sheathing.
 - 21-7 Metal fascia panels.
- CARPENTRY**
 - 6-1 3-2 x 6's.
 - 6-2 1-1 x 6.
 - 6-3 2 x 10 to patten.
 - 6-4 2 x 6 to patten.
 - 6-5 2 x 4 to patten.
 - 6-6 1 x 4 to patten.
 - 6-7 2 x 6 continuous. secure to deck.
 - 6-8 2 x 4 continuous.
 - 6-9 2-2 x 4 - 4 sides.
 - 6-10 1 x 4 - 4 sides.
 - 6-11 2 x 10 continuous.
 - 6-12 No. 8 RHWS maximum 12" c/c.
 - 6-13 5/8" C-D ext. grade plywood.
 - 6-14 1/2" continuous.
 - 6-15 6 mil polyethylene. Secure 12" c/c each bearing.

ROOF PLAN 1/16" = 1'-0"
PLAN NORTH

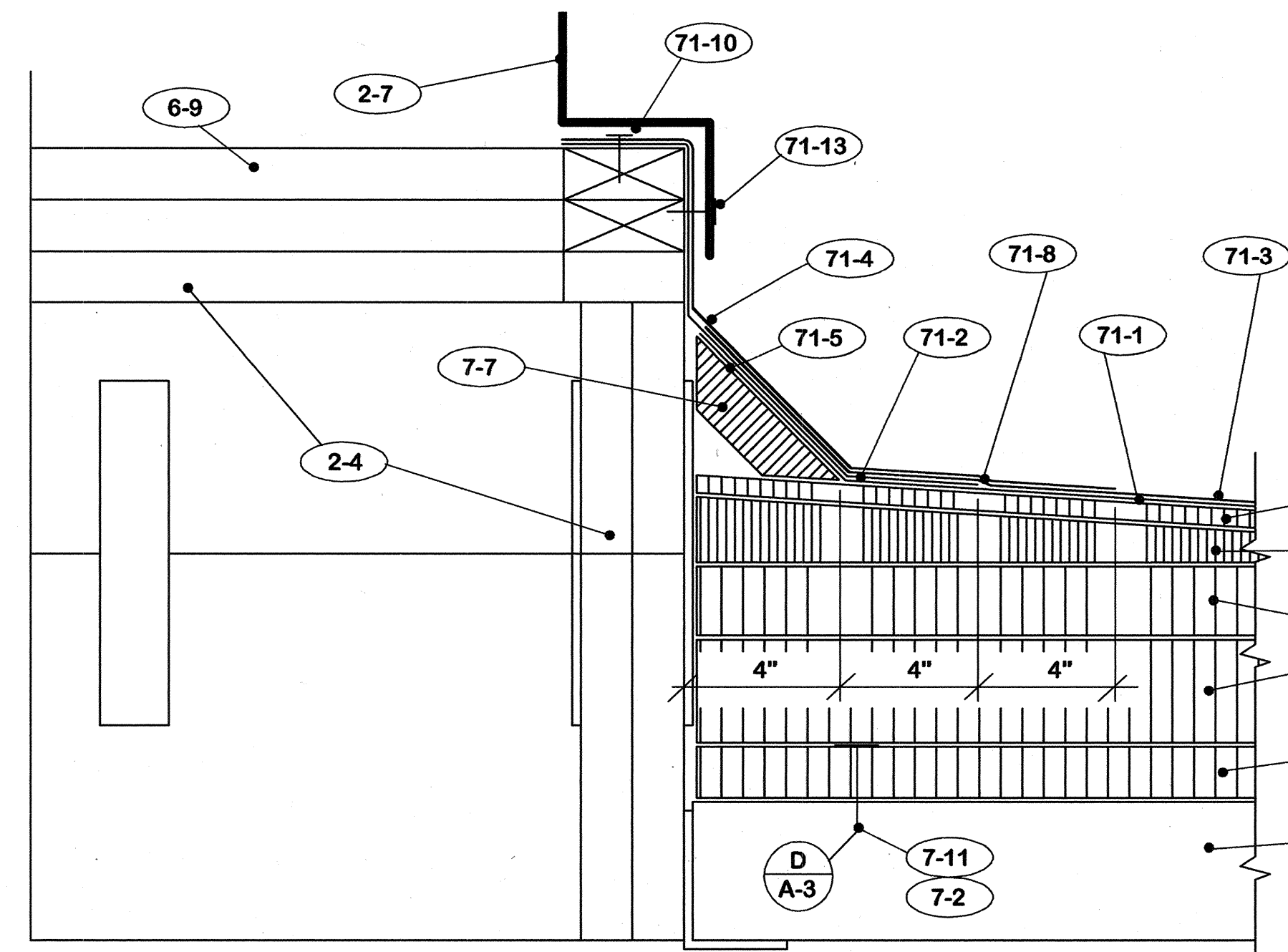
REV.		DATE	DESCRIPTION
A	16/4/04	Corrected to add. no. 1	

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY		DRAWING NO. A-1
AS BUILT DATE 25 JULY 2005	ROOF PLAN	
DRAWN BY <i>MARTIN</i>	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	
CHECKED BY <i>MARTIN</i>	WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY	
A & B FILE 573-75	REVISED BY DATE 18 Nov. 2003	
AGENCY AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY DATE	
DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY DATE	

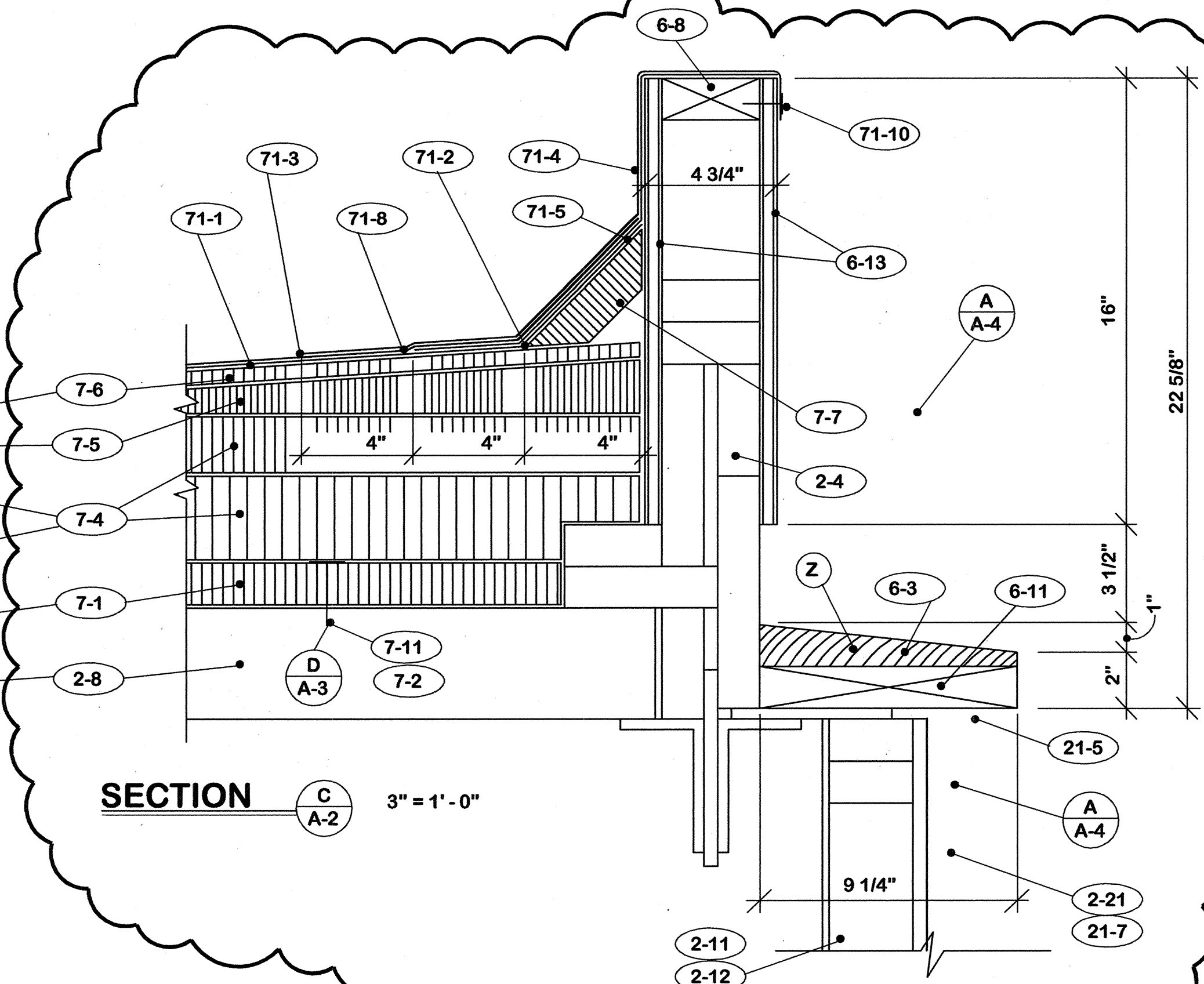
LPA-893



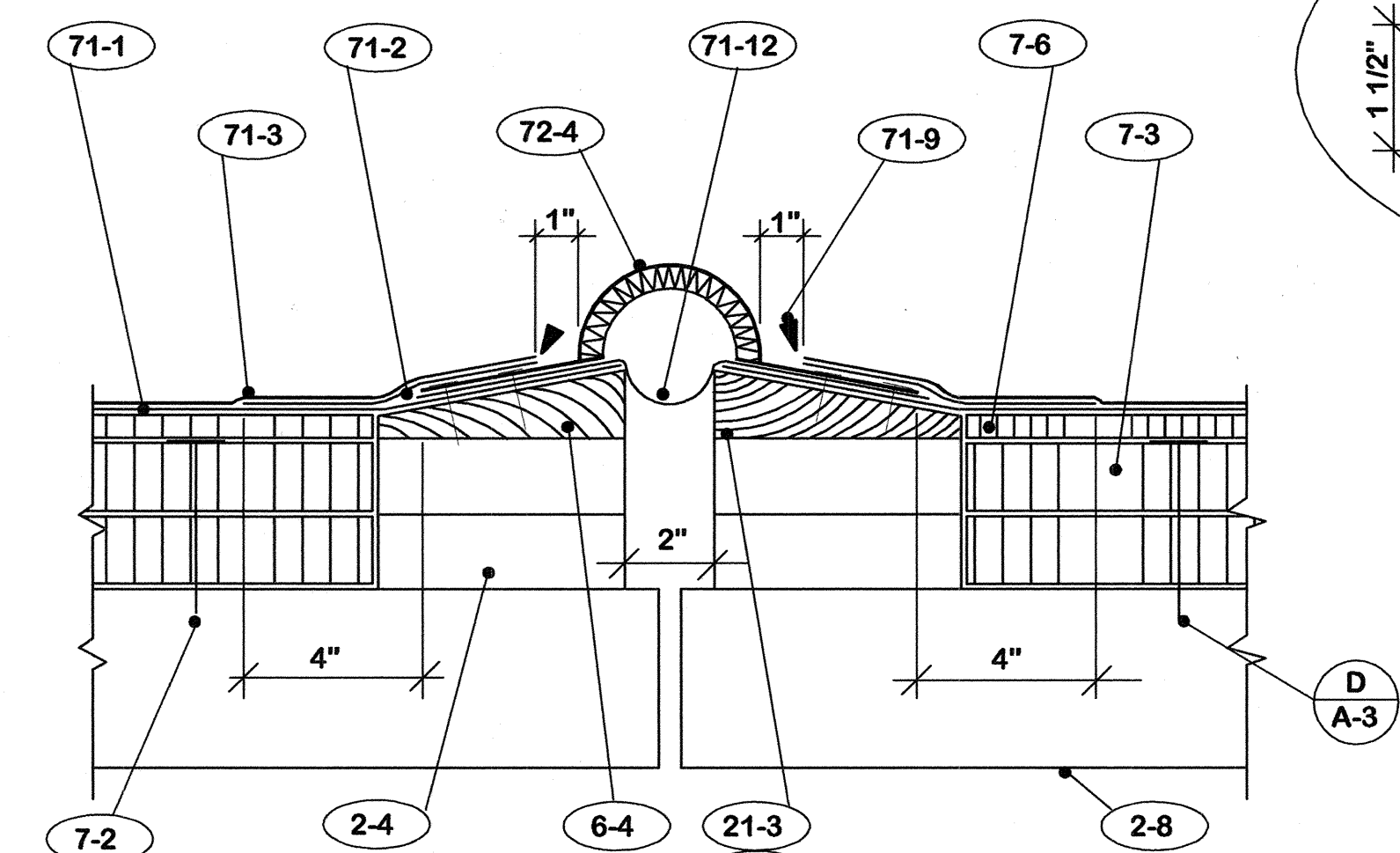
SECTION A-A-2 3" = 1'-0"



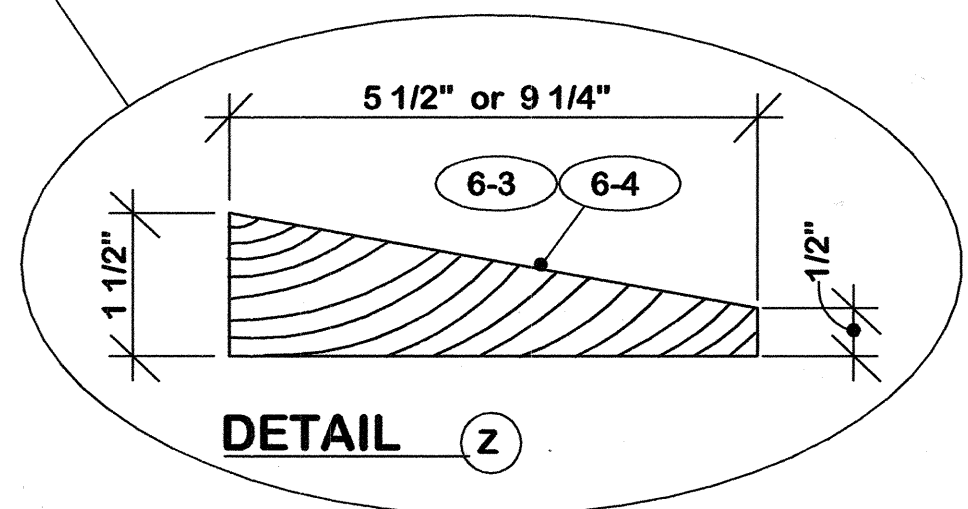
SECTION B-A-2 3" = 1'-0"



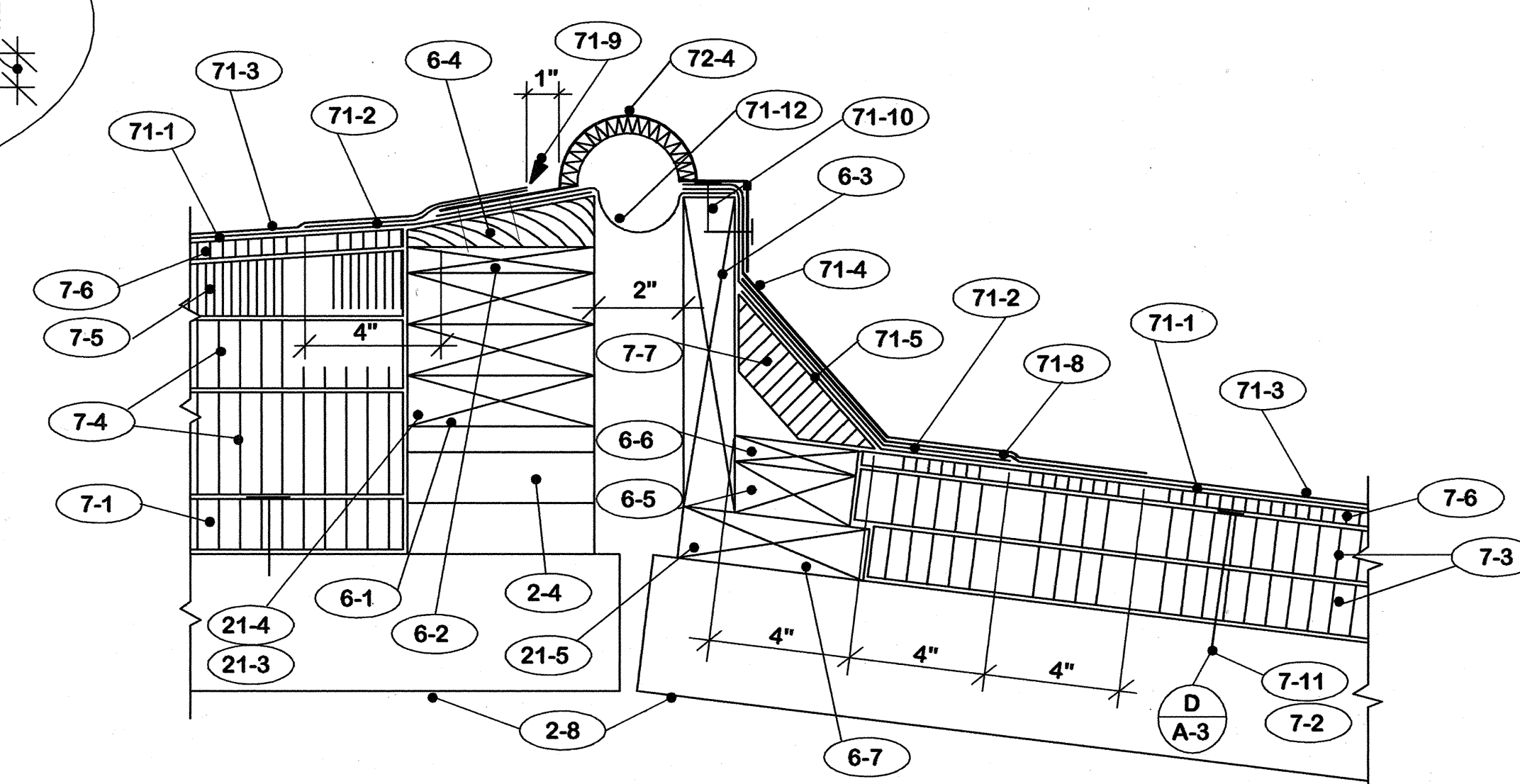
SECTION C-A-2 3" = 1'-0"



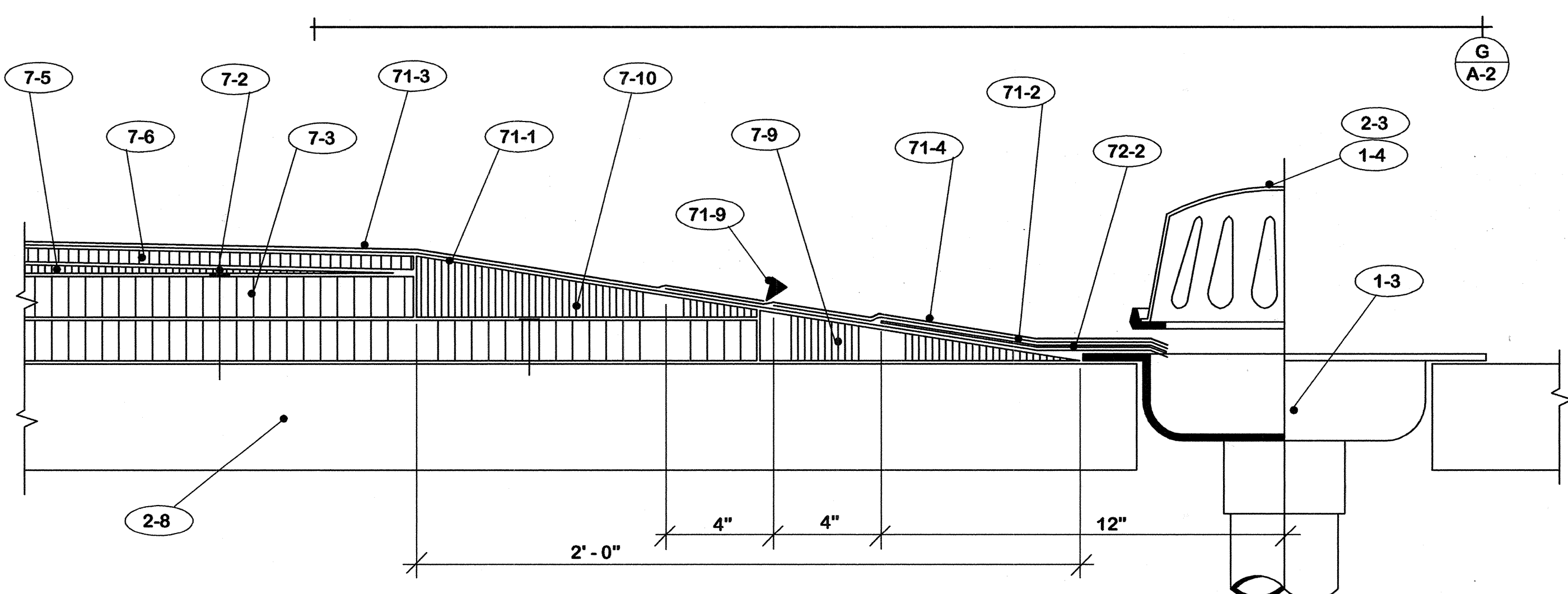
SECTION D-A-2 3" = 1'-0"



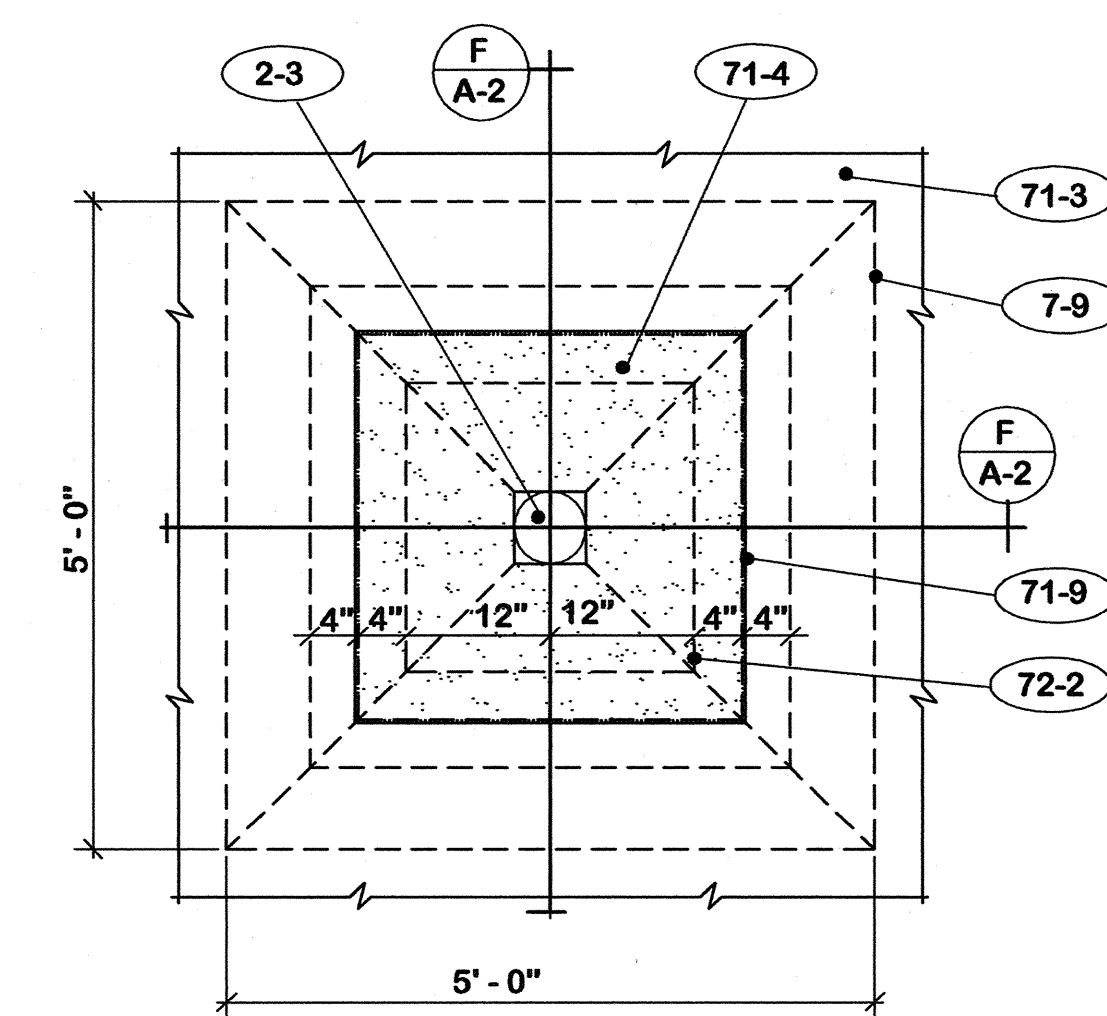
DETAIL Z



SECTION E-A-2 3" = 1'-0"



SECTION F-A-2 3" = 1'-0"



SECTION G-A-2 1" = 1'-0"

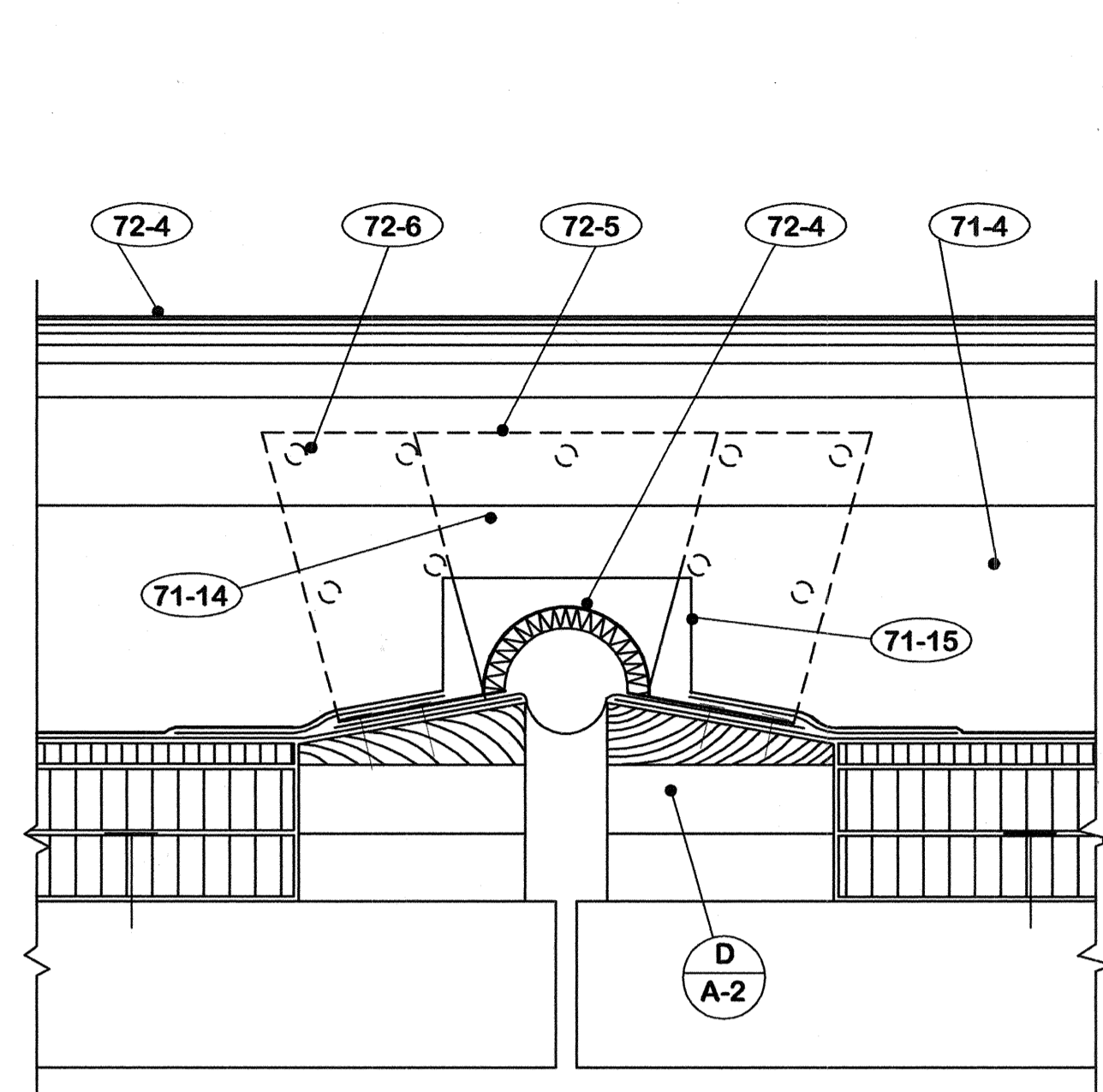
- 7. INSULATION**
- 7-1 1 1/2" polyisocyanurate board. Secure with fasteners to pattern.
 - 7-2 Secure with fasteners to pattern through both layers insulation.
 - 7-3 2 layers 1 1/2" polyisocyanurate board.
 - 7-4 Insulation fill. Secure with adhesive.
 - 7-5 Tapered insulation. Secure with adhesive.
 - 7-6 1/2" wood fiber overlay board. Secure with adhesive.
 - 7-7 1/2" x 4" wood fiber cant.
 - 7-8 Return end of cant.
 - 7-9 1 1/2" x 12" wood fiber tapered edge.
 - 7-10 2" x 12" wood fiber tapered edge.
 - 7-11 Fastner pattern.
- 71. ROOFING**
- 71-A Secure all roofing plies with adhesive except as noted.
 - 71-B Prime all wood surfaces to receive new roofing materials.
 - 71-1 Base ply. Modified bitumen.
 - 71-2 "Strip" flashing. Modified bitumen. Turn over top of top of curbs and parapet walls.
 - 71-3 Cap sheet. Modified bitumen with granule surface.
 - 71-4 Cap flashing. Modified bitumen with metal foil face surface.
 - 71-5 Do not secure base ply to cant strip.
 - 71-6 Seal base ply around all roof protrusions.
 - 71-7 Not used.
 - 71-8 Strike line and thoroughly embed granules with torch before setting cap flashing.
 - 71-9 Caulk continuous or all around.
 - 71-10 Nail 12" c/c.
 - 71-11 6" radius on all cap flashing at exterior corners.
 - 71-12 Extend section of base ply over expansion joint full length.
 - 71-13 Secure equipment to curb on 4 sides.
 - 71-14 Set cap flashing to expansion joint cover in adhesive.
 - 72-15 Cut cap flashing 2" clear of expansion joint cover 3 sides.

"AS-BUILT" NOTE:

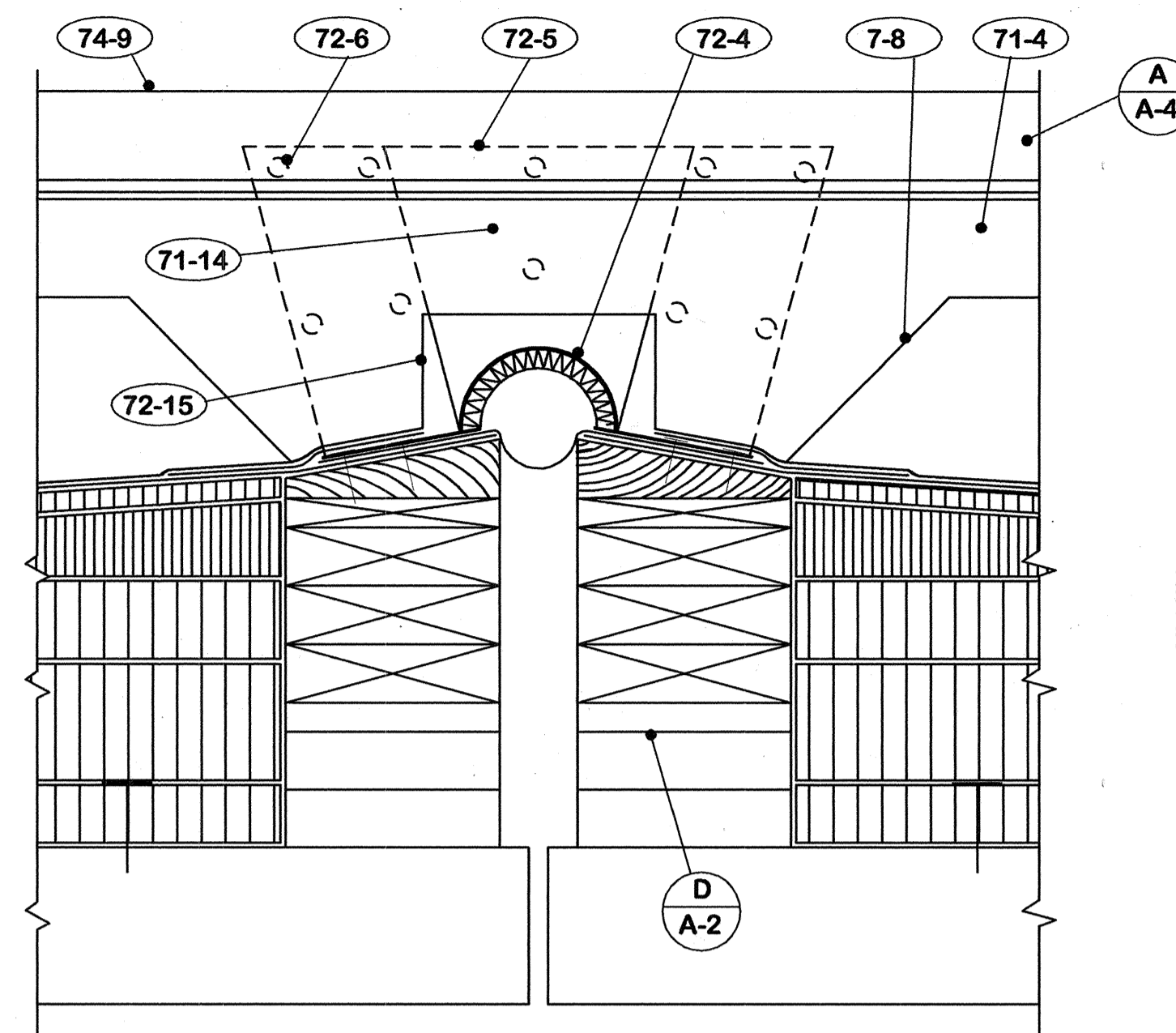
1. Add notes 7-10 and 7-11.
2. Section C/A-2 - Delete note 21-6. Add notes 2-21 and 21-7.
3. Change total number of drawings to 12.

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY		DRAWING NO. A-2 OF 12
AS BUILT DATE 25 July 2005	SECTIONS	REVIEWED BY DIV. OF ENGR.
DRAWN BY M	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	
CHECKED BY M	573-75	WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY LICENSED PROFESSIONAL ENGINEER 2742
A & B FILE	18 Nov. 2003	
REV. DATE DESCRIPTION	AGENCY AUTHORIZED AGENT _____ DATE _____ APPROVED FOR PROGRAM CONCEPT ONLY	
DIVISION OF ENGINEERING _____ DATE _____ APPROVED FOR PROGRAM CONCEPT ONLY		ENG. FILE NO. FPCC0010

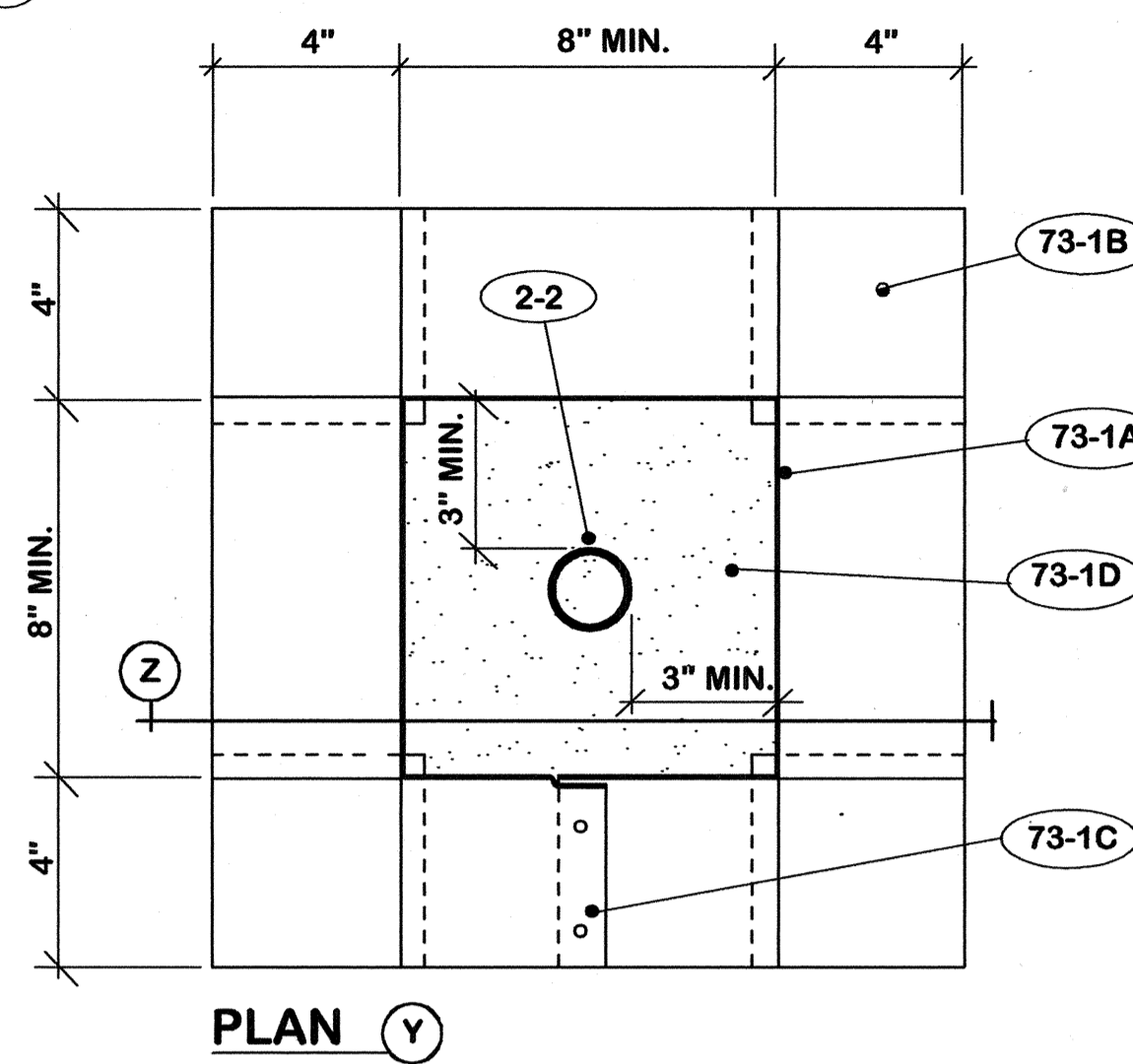
CPA-894



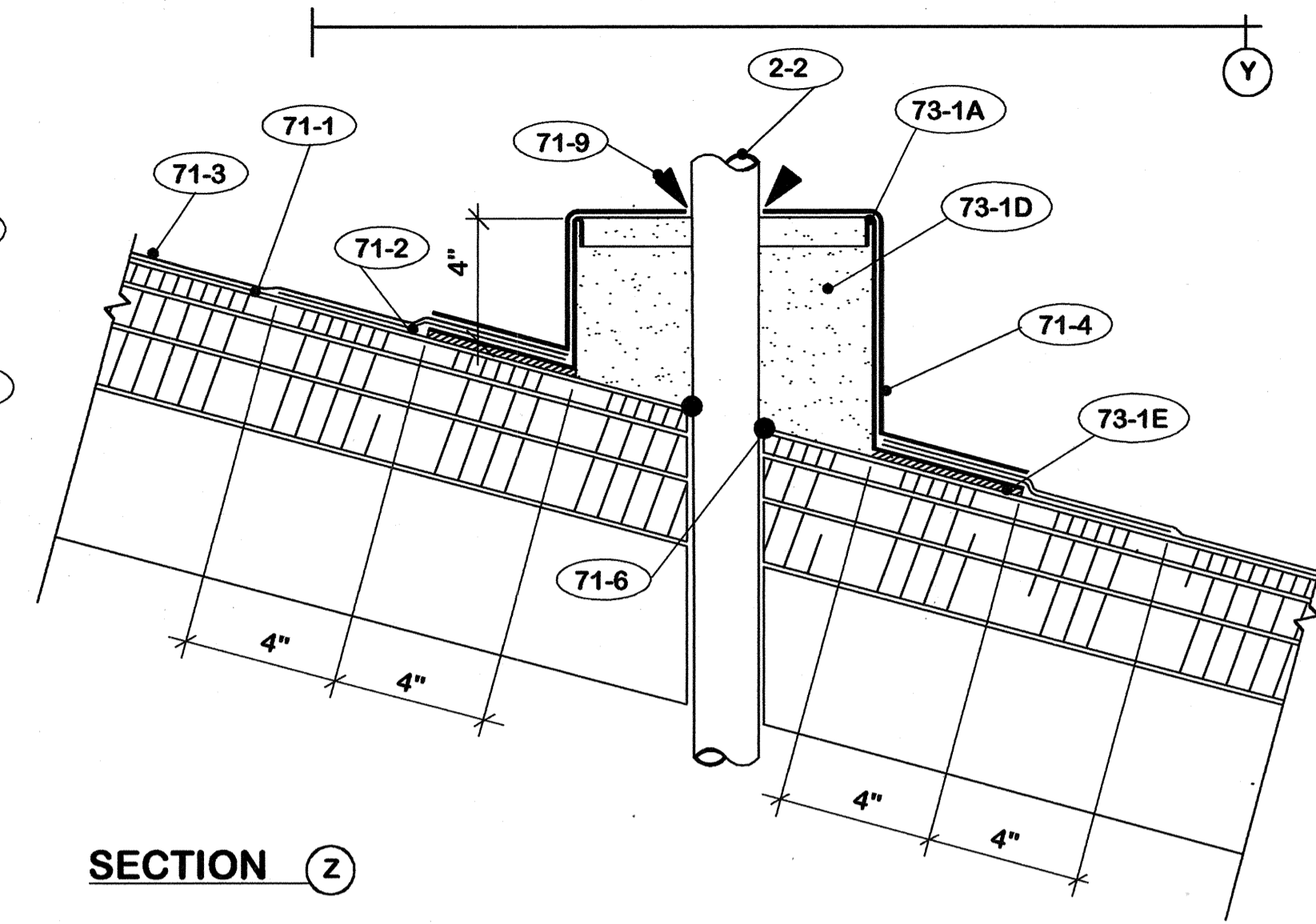
DETAIL A-3 3" = 1'-0"



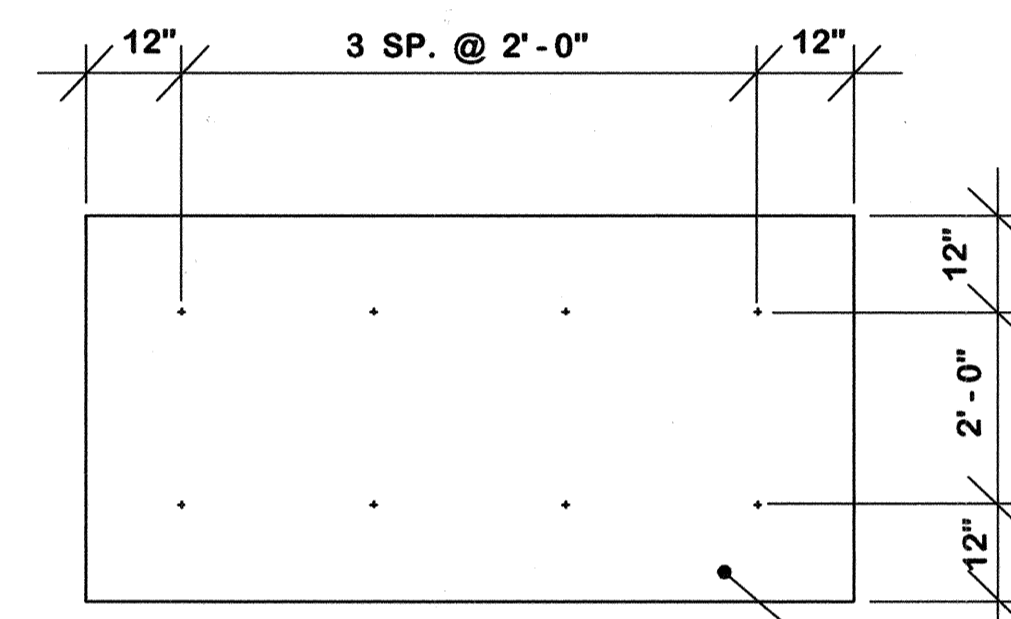
DETAIL B-3 3" = 1'-0"



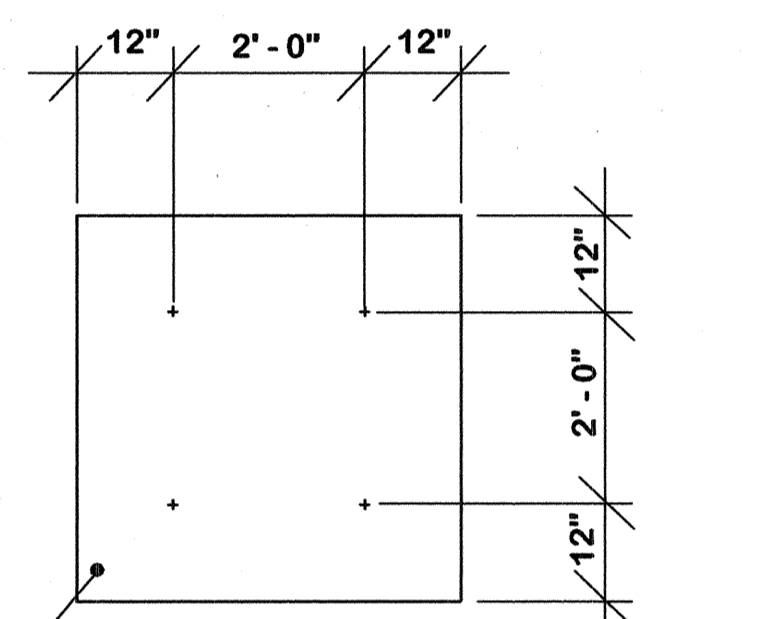
DETAIL C-3 3" = 1'-0"



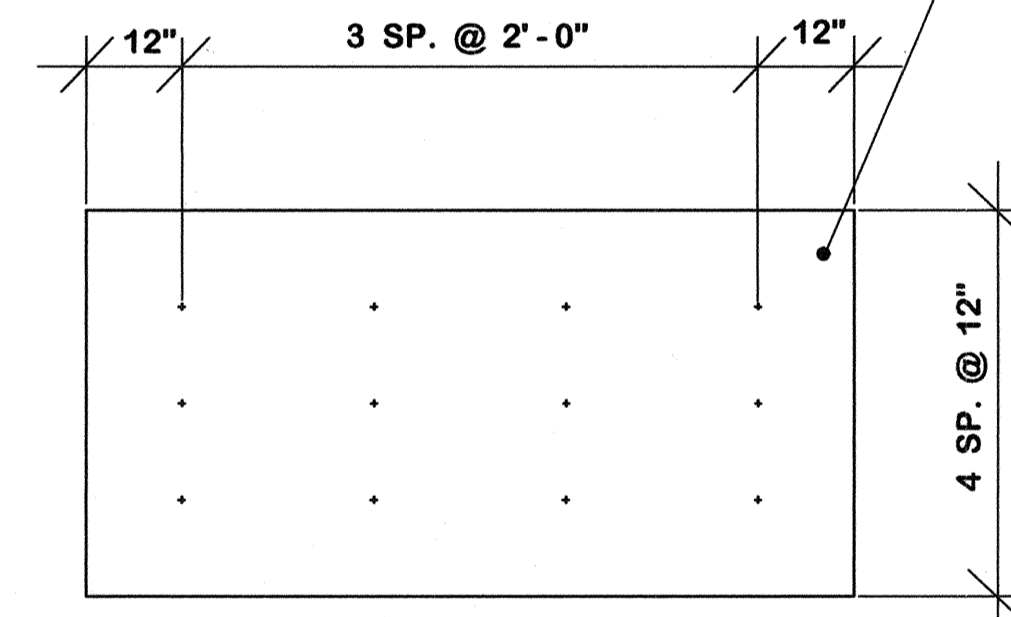
SECTION Z



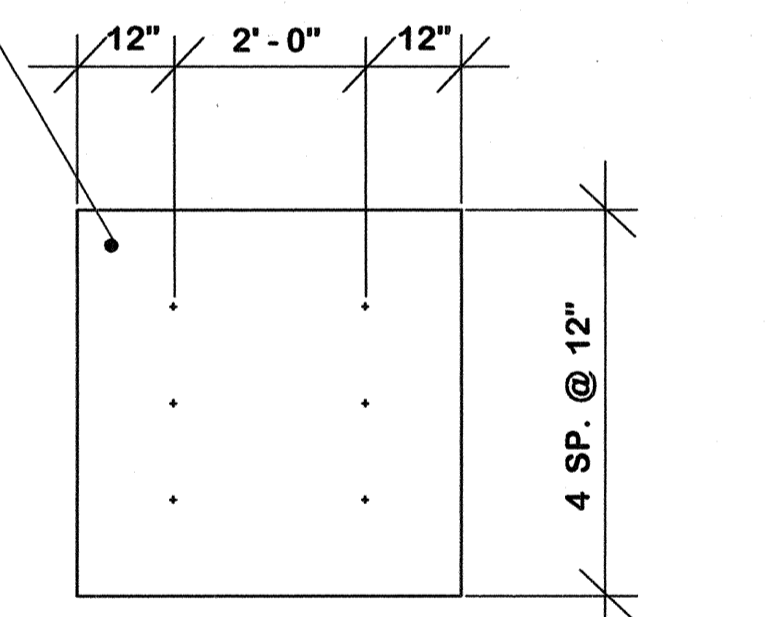
FIELD 4' X 8' BOARD - 6 FASTNERS



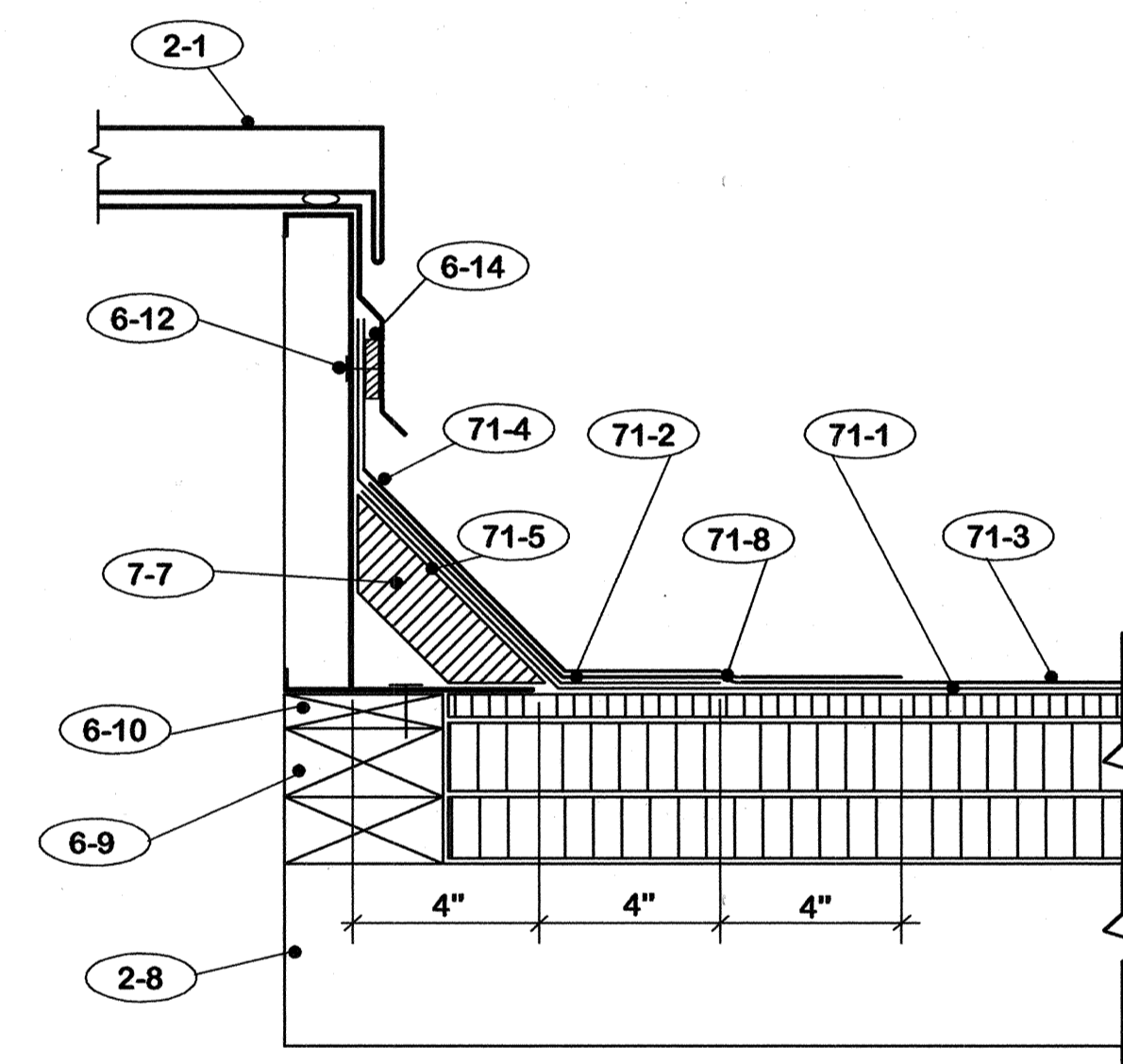
FIELD 4' X 4' BOARD - 4 FASTNERS



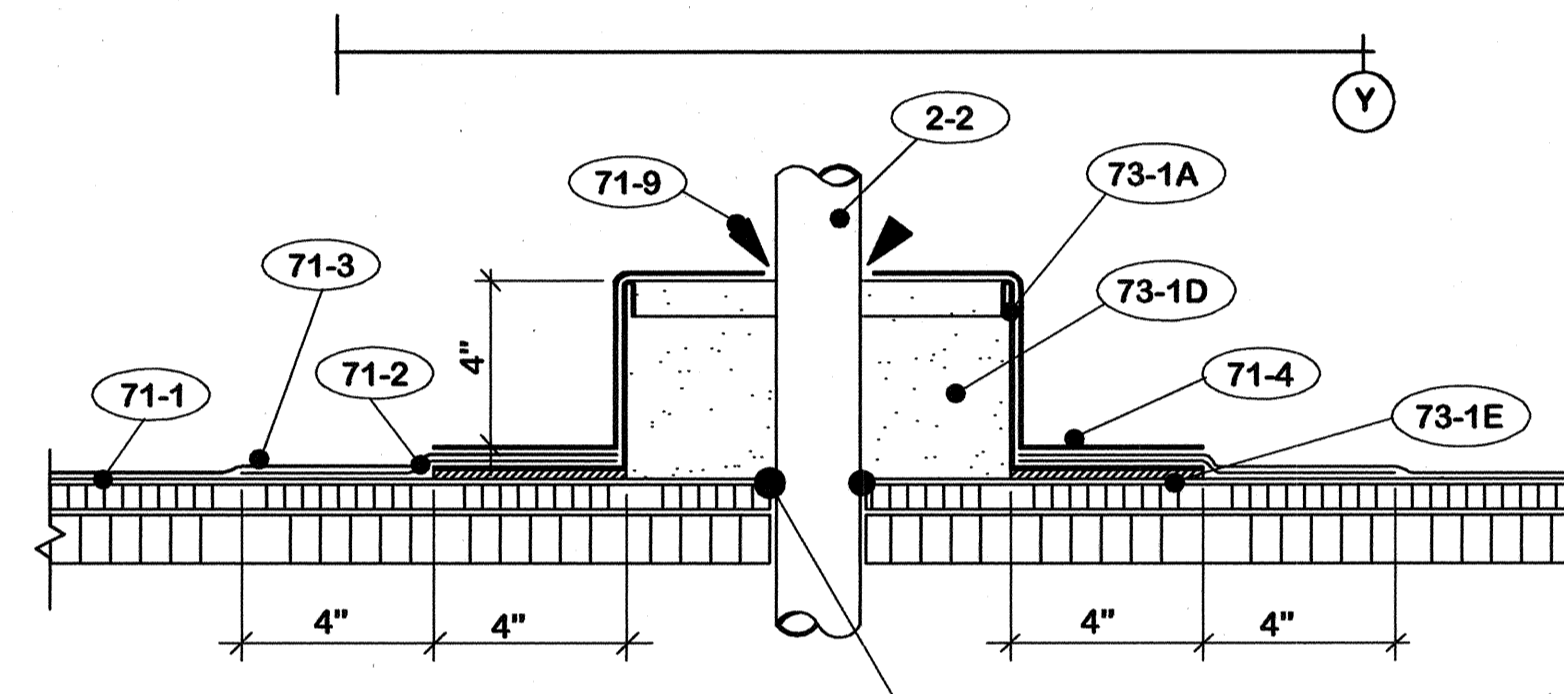
PERIMETER AND CORNERS 4' X 8' BOARD - 12 FASTNERS



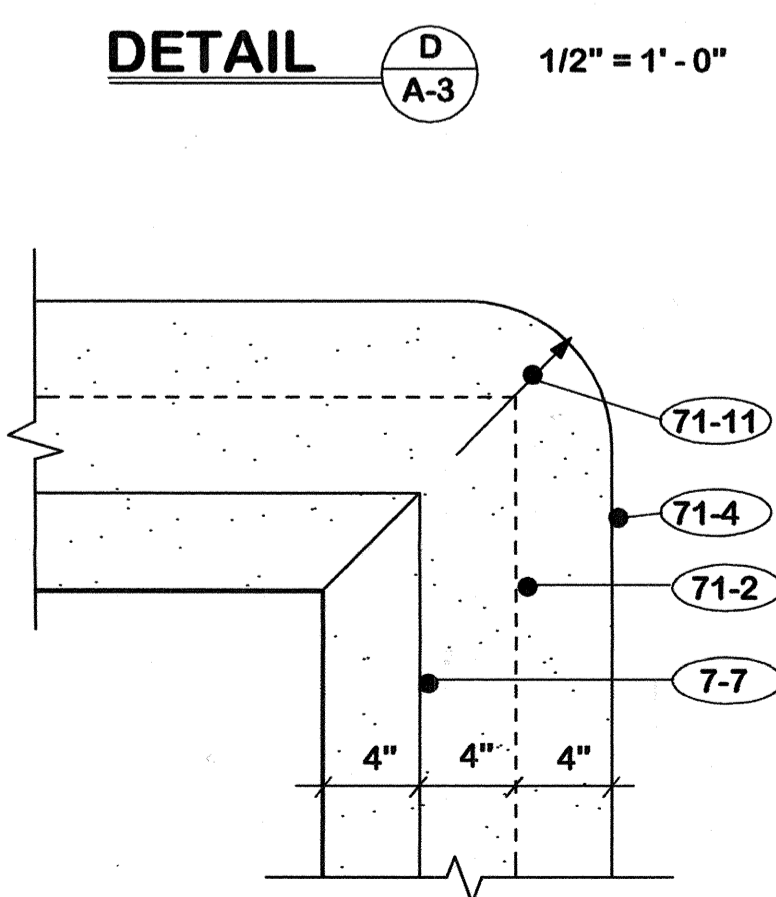
PERIMETER AND CORNERS 4' X 4' BOARD - 9 FASTNERS



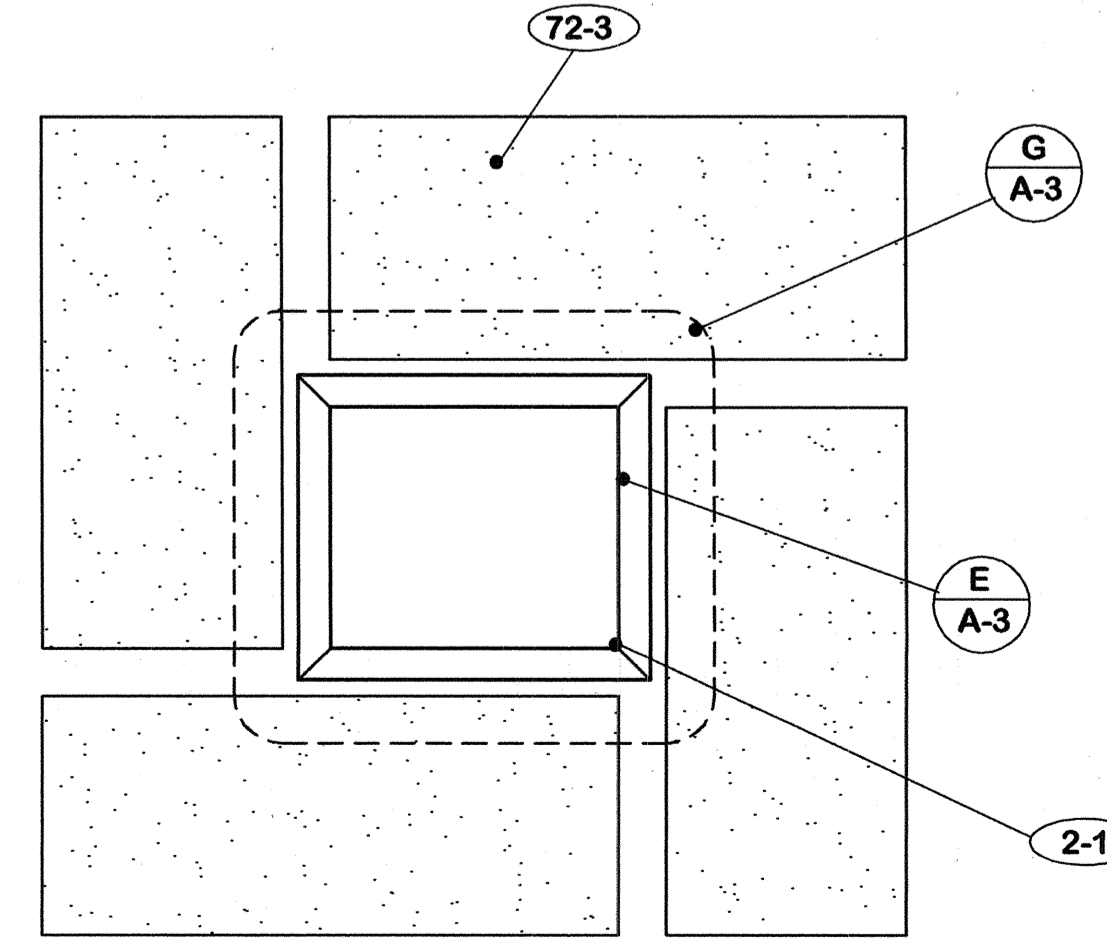
DETAIL E-3 3" = 1'-0"



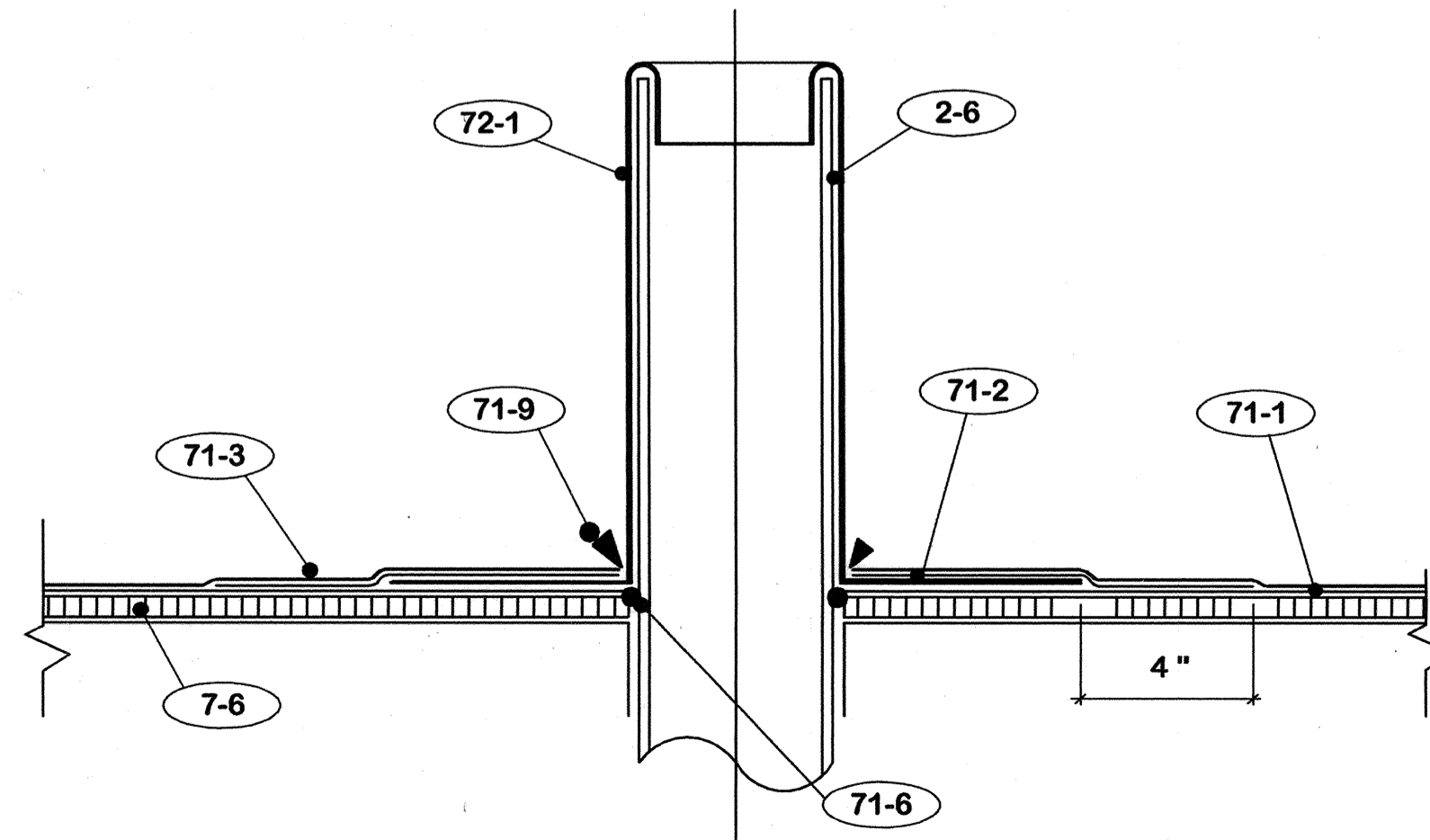
DETAIL F-4 3" = 1'-0"



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



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



DETAIL G-3 3" = 1'-0"

72. ACCESSORIES

- 72-1 Three (3) pound lead boot. Set flange in full bed flashing cement.
- 72-2 2' x 2' x 2 1/2 pound lead flashing sheet.
- 72-3 Walk treads. Roll width by maximum 6' long with 6" between ends.
- 72-4 Expansion joint cover.
- 72-5 Remove foam liner from joint cover. Spread flat and turn up on wall as shown. Secure to structure where shown.
- 72-6 Secure with copper nails where shown.

73. SHEET METAL

- 73-1 Pitch pan assemble.
- 73-1A Form from 24 gauge galvanized metal with hemmed top edge.
- 73-1B Solder in corner fillers.
- 73-1C Pop rivet at connection.
- 73-1D Fill with pourable sealer. No fillers.
- 73-1E Set flange in full bed plastic cement.

6. CARPENTRY

- 6-1 3 - 2 x 6's.
- 6-2 1 - 1 x 6.
- 6-3 2 x 10 to pattenen.
- 6-4 2 x 6 to pattenen.
- 6-5 2 x 4 to pattenen.
- 6-6 1 x 4 to pattenen.
- 6-7 2 x 6 continuous. secure to deck.
- 6-8 2 x 4 continuous.
- 6-9 2 - 2 x 4 - 4 sides.
- 6-10 1 x 4 - 4 sides.
- 6-11 2 x 10 continuous.
- 6-12 No. 8 RHWS maximum 12" c/c.
- 6-13 5/8" C-D ext. grade plywood.
- 6-14 1 x 6 continuous.
- 6-15 2" mil polyethylene. Secure 12" c/c each bearing.

"AS-BUILT" NOTE:
 1. Add note series 6. CARPENTRY.
 2. Delete note 6-14.
 3. Change total number of drawings to 12.

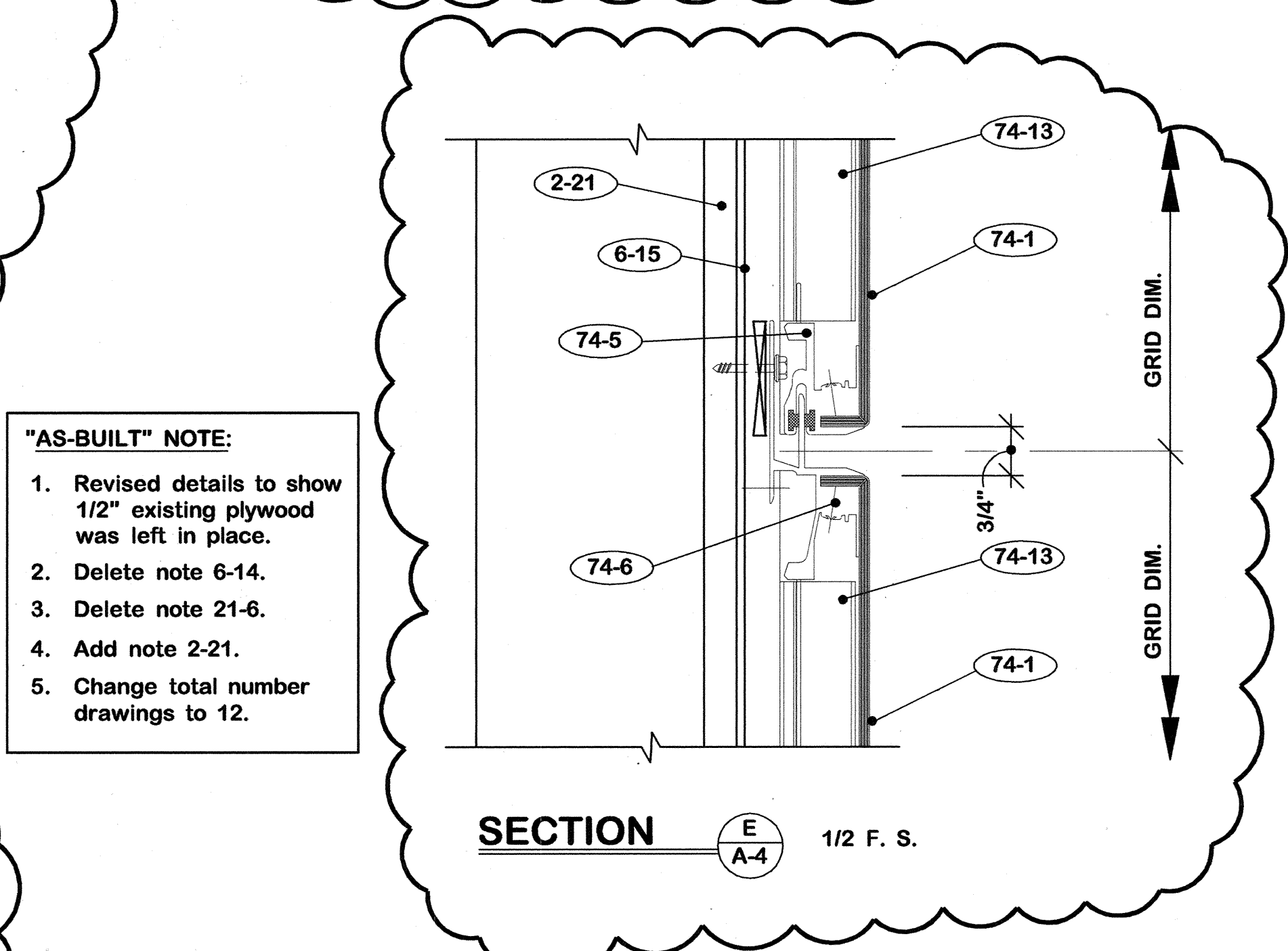
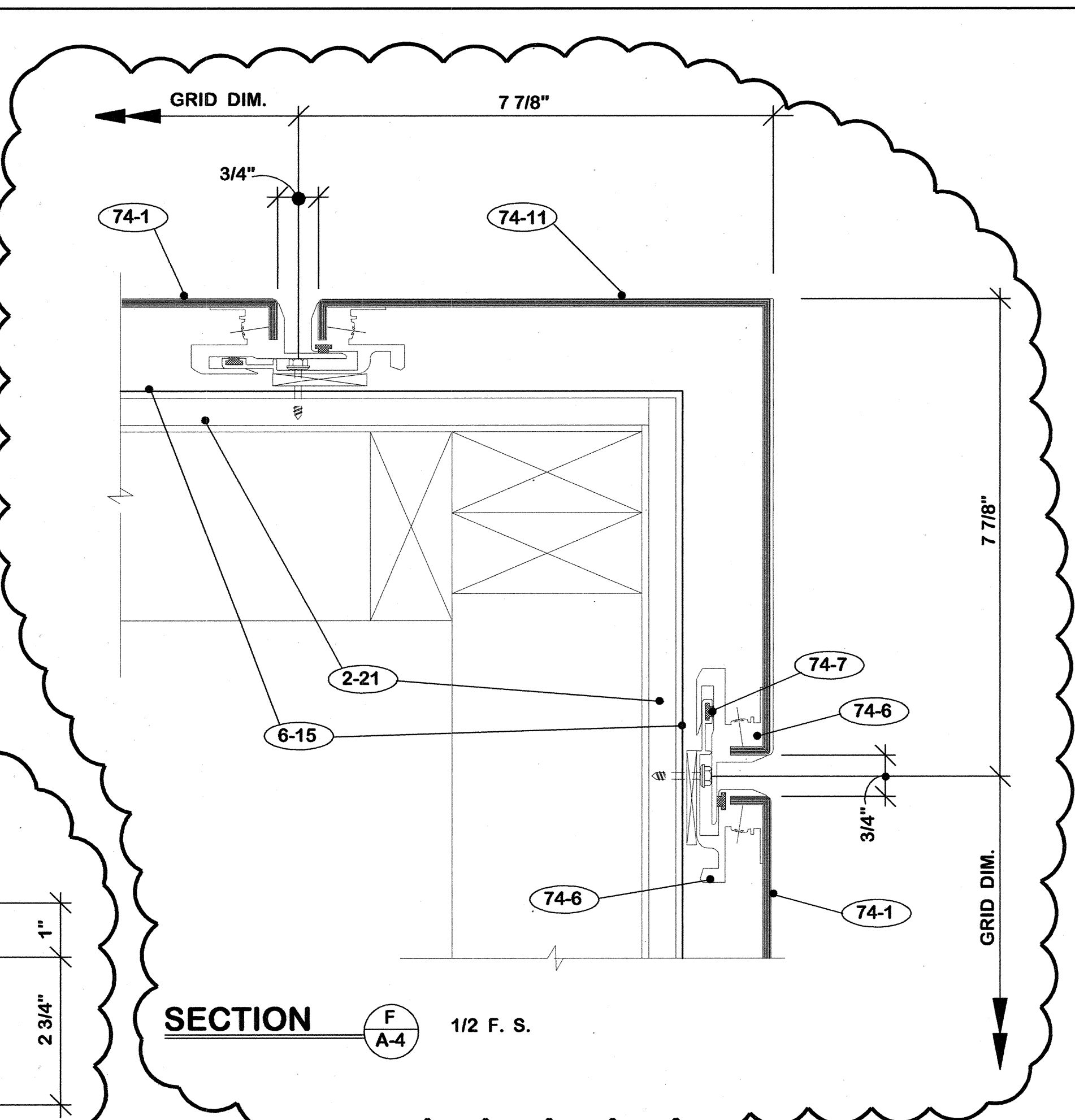
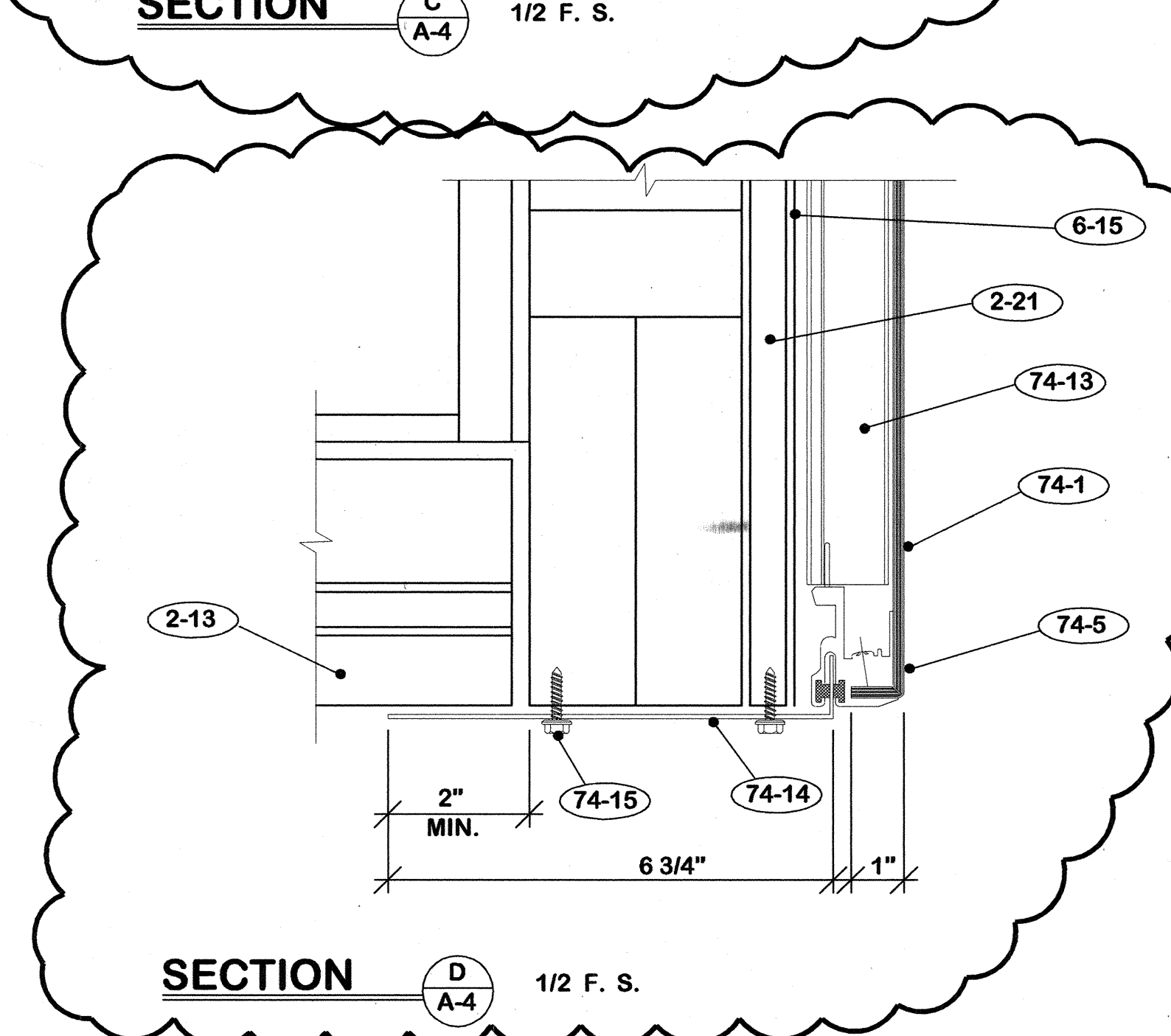
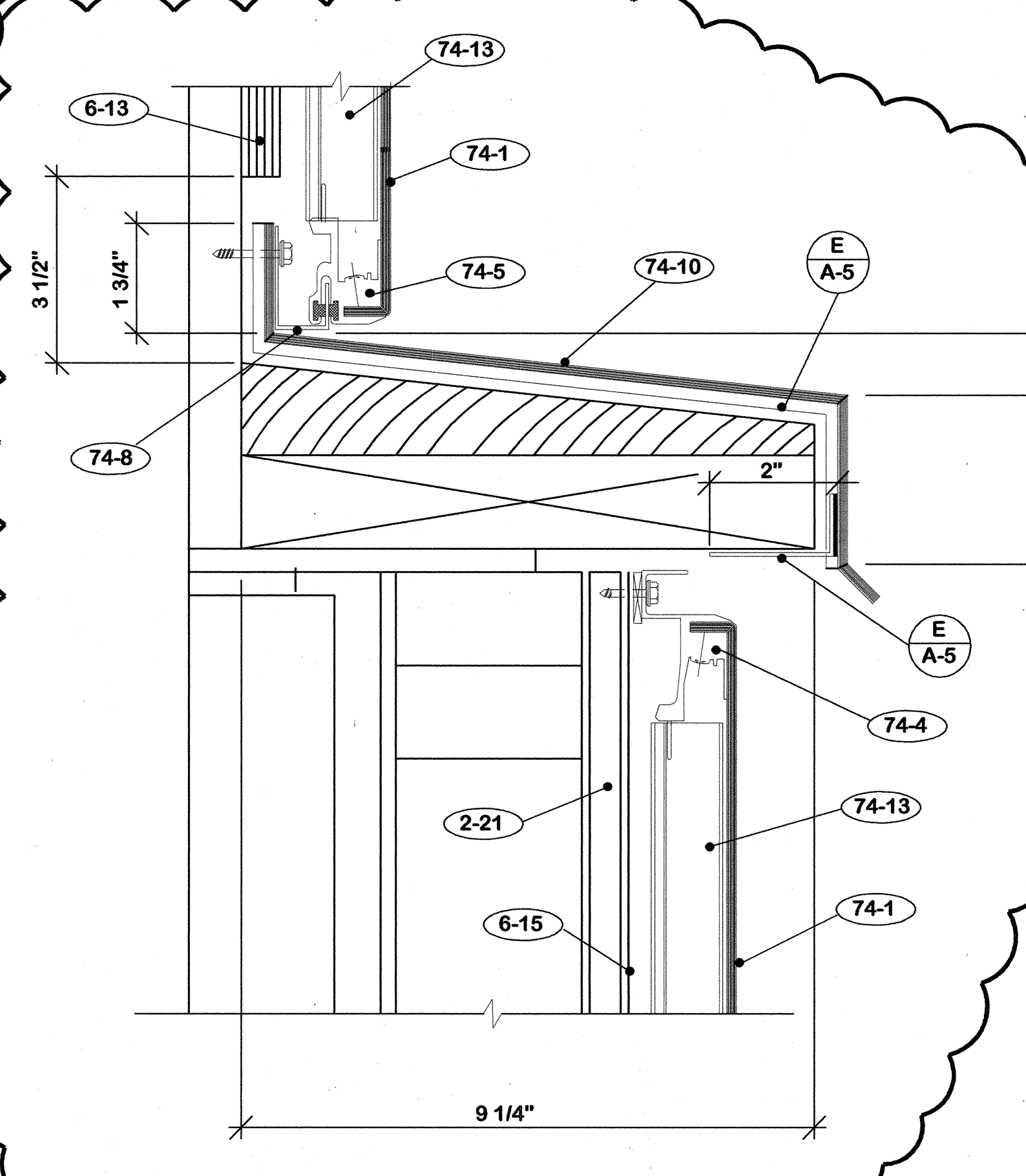
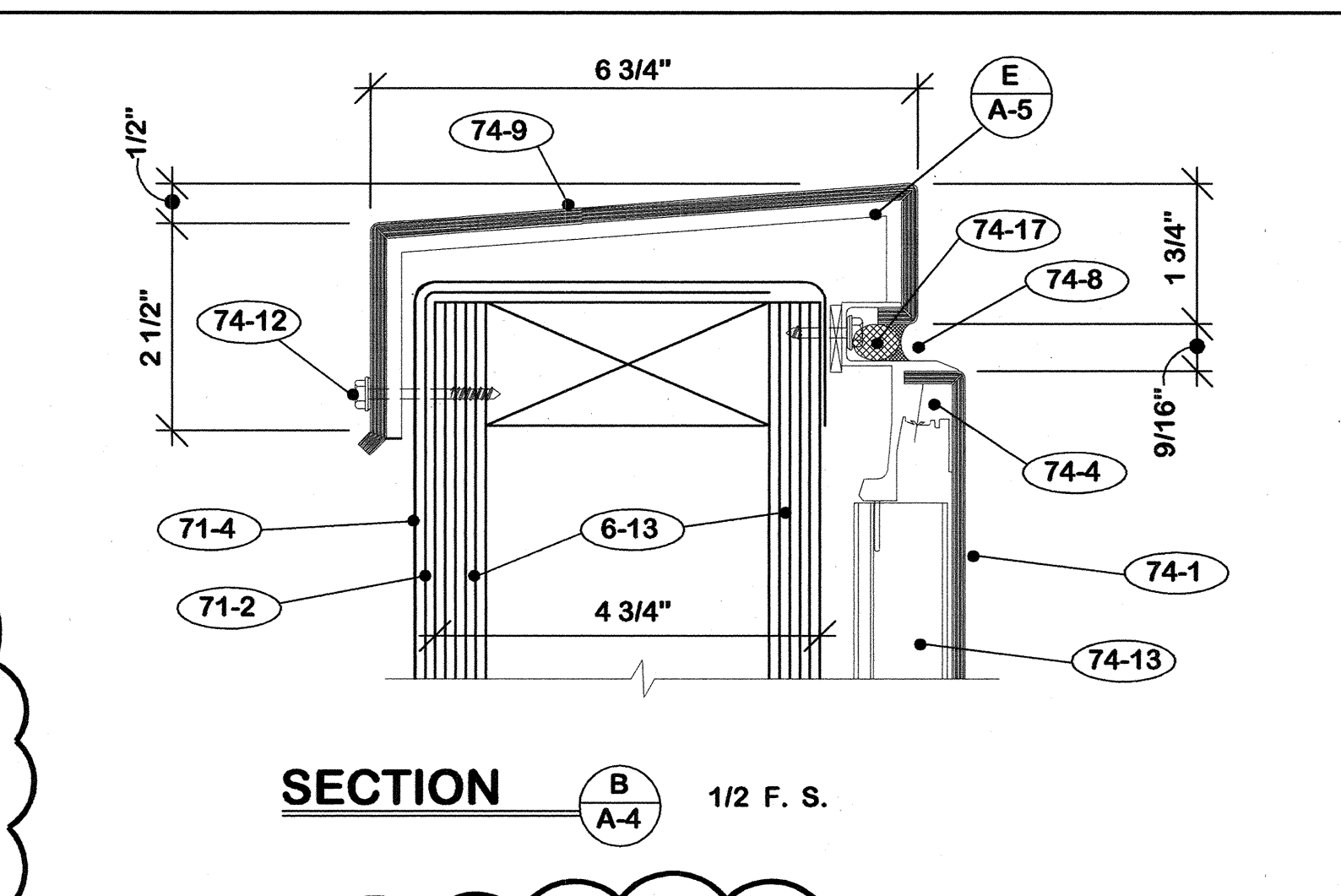
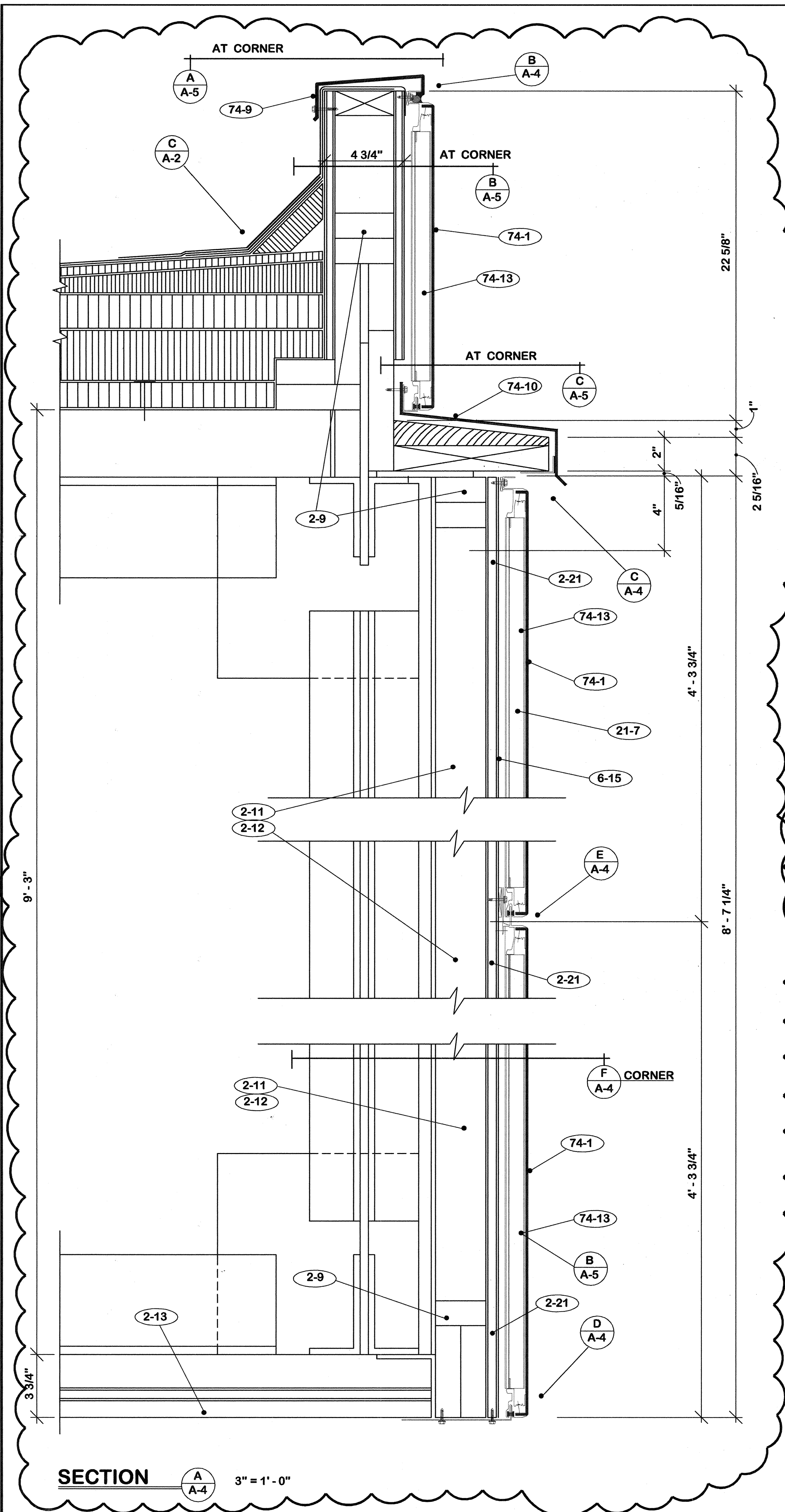
DETAIL G-3 1 1/2" = 1'-0"

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

DETAIL G-3 3" = 1'-0"

CPA-895

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY		DRAWING NO. A-3
DETAILS		OF 12
COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY		REVIEWED DIV. OF ENGR.
WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY		REV. FILE NO. FPCC0010
AS BUILT DATE 25 July 2005	DRAWN BY <i>M</i>	DATE 18 Nov. 2003
CHECKED BY <i>M</i>	A & E FILE 573-75	AGENCY AUTHORIZED AGENT APPROVED FOR PROGRAM CONCEPT ONLY
REV. DATE DESCRIPTION	DIVISION OF ENGINEERING APPROVED FOR PROGRAM CONCEPT ONLY	



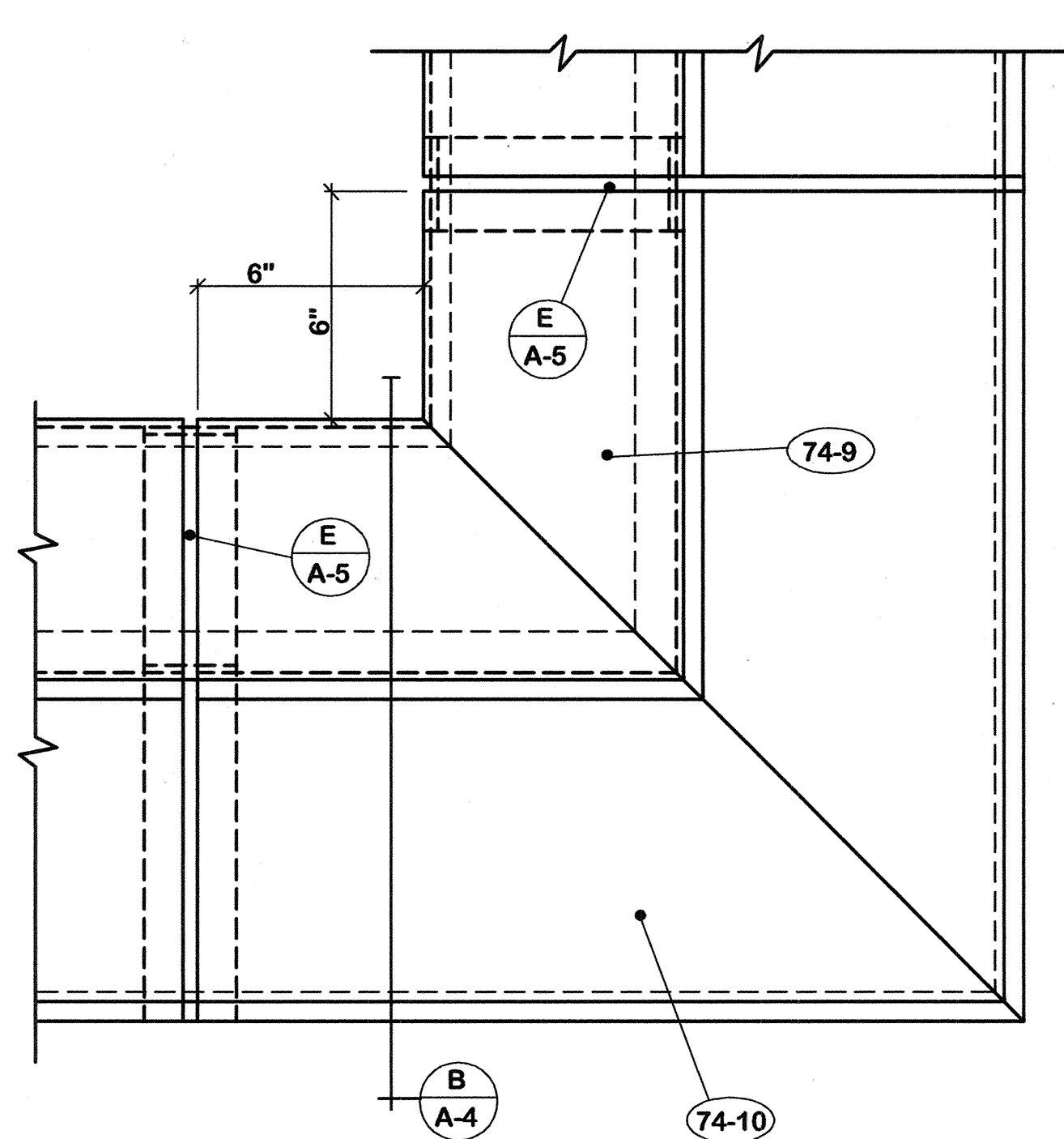
"AS-BUILT" NOTE:

1. Revised details to show 1/2" existing plywood was left in place.
2. Delete note 6-14.
3. Delete note 21-6.
4. Add note 2-21.
5. Change total number drawings to 12.

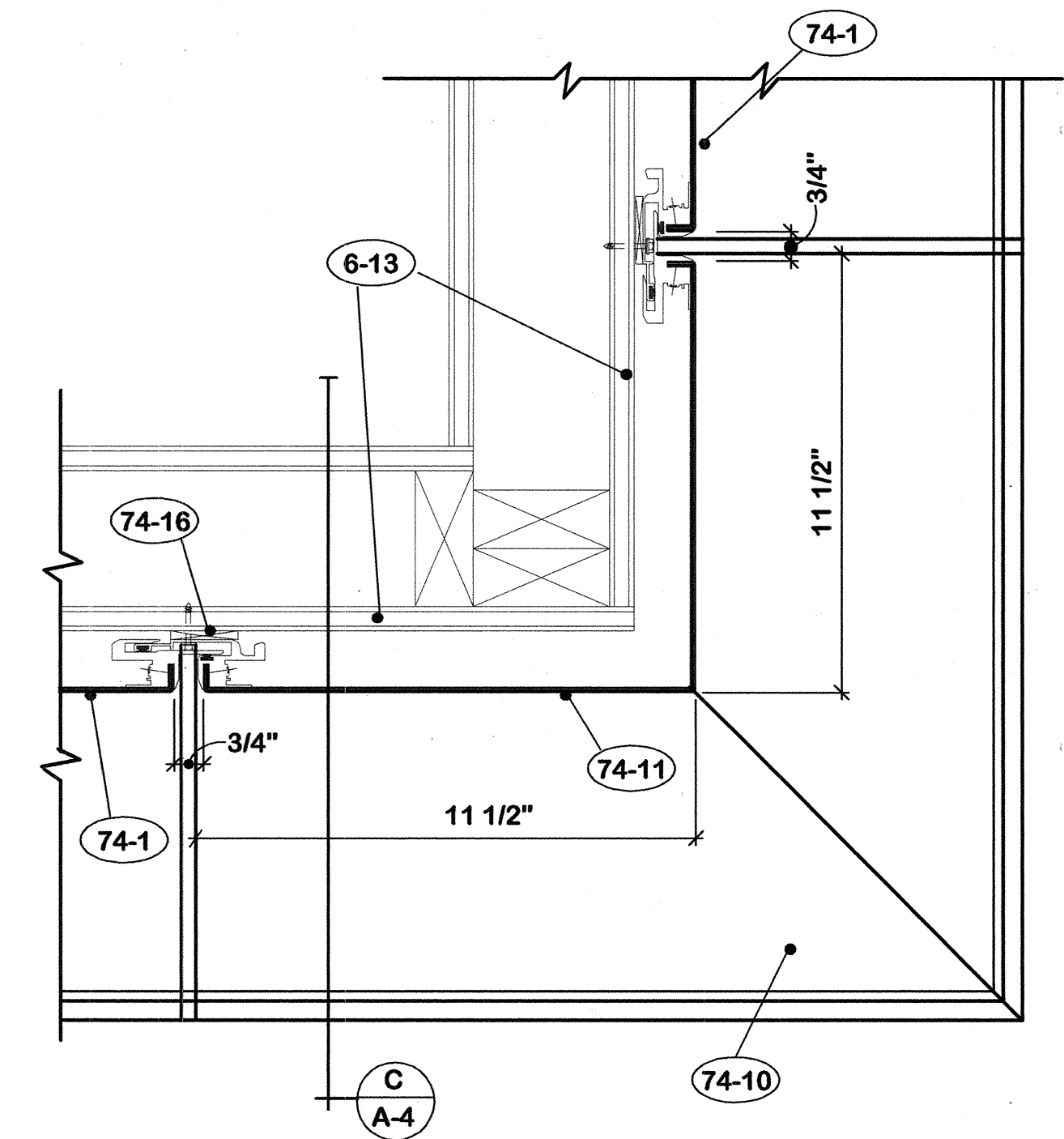
- 74. FASCIA PANELS**
- 74-1 3/16" composite aluminum panels.
 - 74-2 Cut from panel section.
 - 74-3 Structural sealant.
 - 74-4 Top panel extrusion with flashing hook.
 - 74-5 Bottom panel extrusion.
 - 74-6 Continuous aluminum perimeter extrusion.
 - 74-7 Dry gasket seals.
 - 74-8 1/8" aluminum hook continuous to pattern.
 - 74-9 Form wall cap from panel material.
 - 74-10 Form apron from panel material.
 - 74-11 Form corners from panel material.
 - 74-12 Fasteners as required.
 - 74-13 Panel stiffeners.
 - 74-14 1/8" aluminum plate continuous to pattern.
 - 74-15 Stagger fasteners maximum 12" c/c.
 - 74-16 Shim to plumb and level as required.
 - 74-17 Backer rod.
 - 74-18 Caulk continuous. level as required.
 - 74-19 1/8" x 1 1/2" aluminum clips maximum 16" c/c.

REV. DATE		DESCRIPTION	REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY	
A	16/4/04	Corrected to add. no. 1	SHEET METAL DETAILS	
AS BUILT DATE: 25 July 2005 DRAWN BY: M CHECKED BY: M A & B FILE: 573-75 DATE: 18 Nov. 2003			SHEET NO. A-4 OF 12 REVIEWED DIV. OF ENGR. FPCC0010	
WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY			COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	
AGENCY AUTHORIZED AGENT _____ DATE _____ DIVISION OF ENGINEERING _____ DATE _____			APPROVED FOR PROGRAM CONCEPT ONLY	

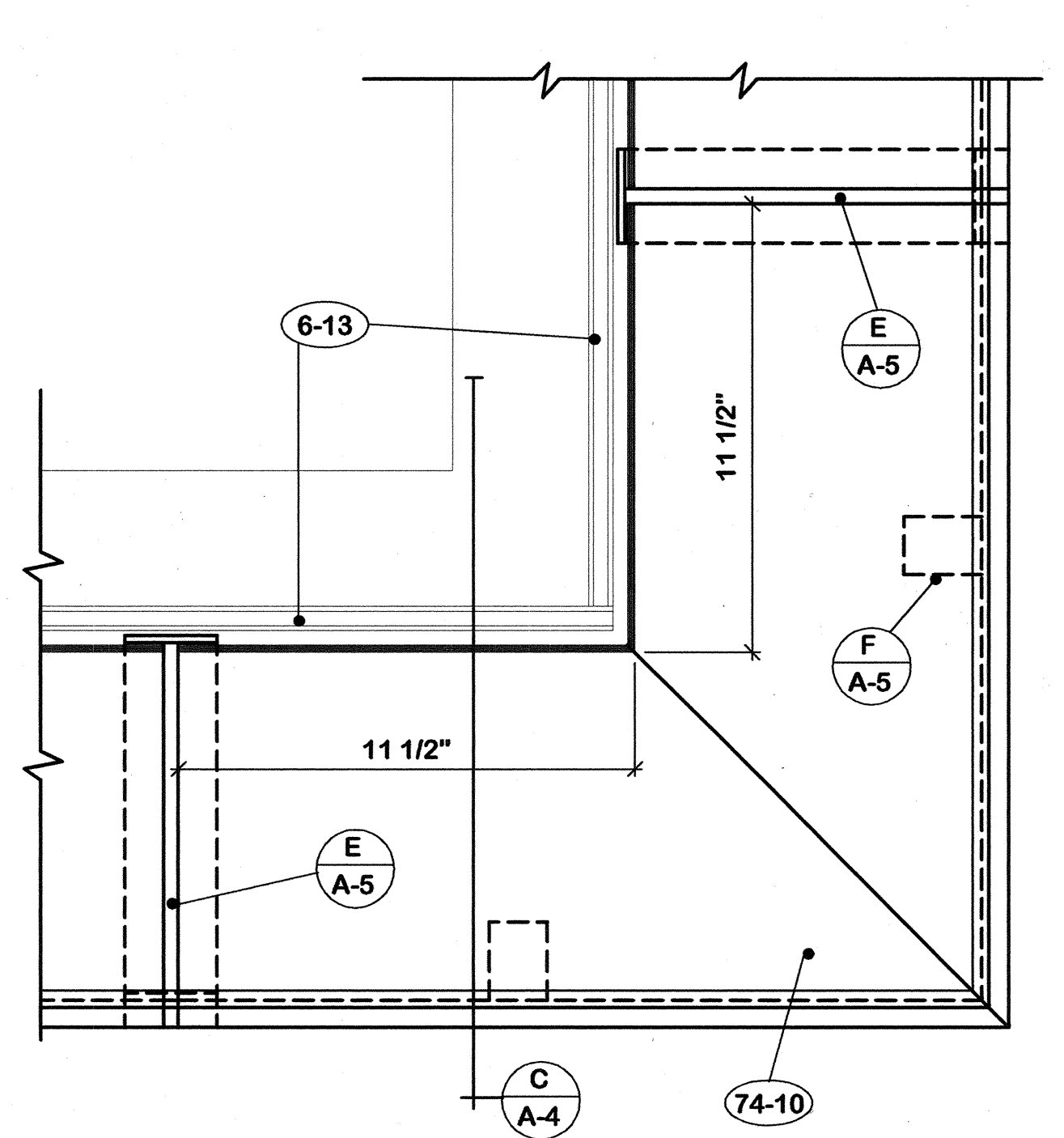
CPA-896



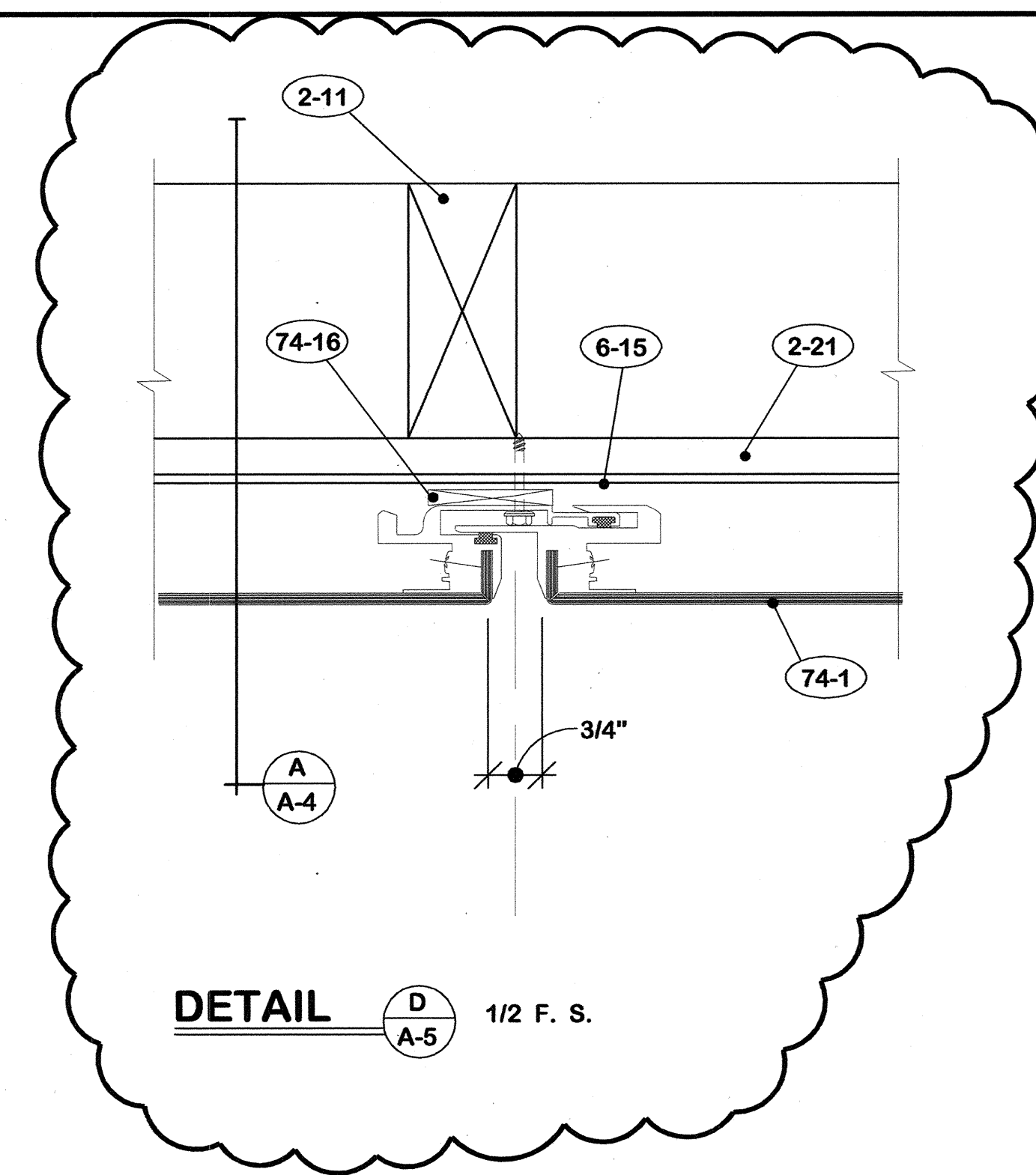
PLAN A-A-5 1/2 F. S.



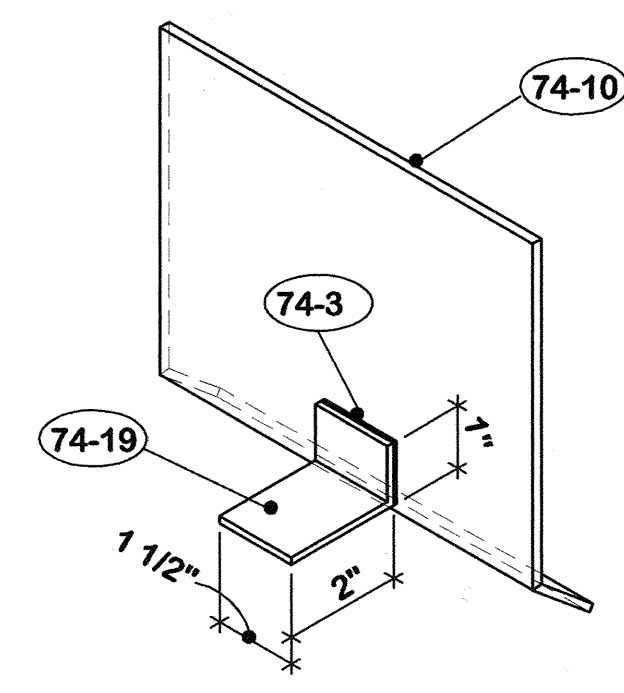
PLAN B-B-5 1/2 F. S.



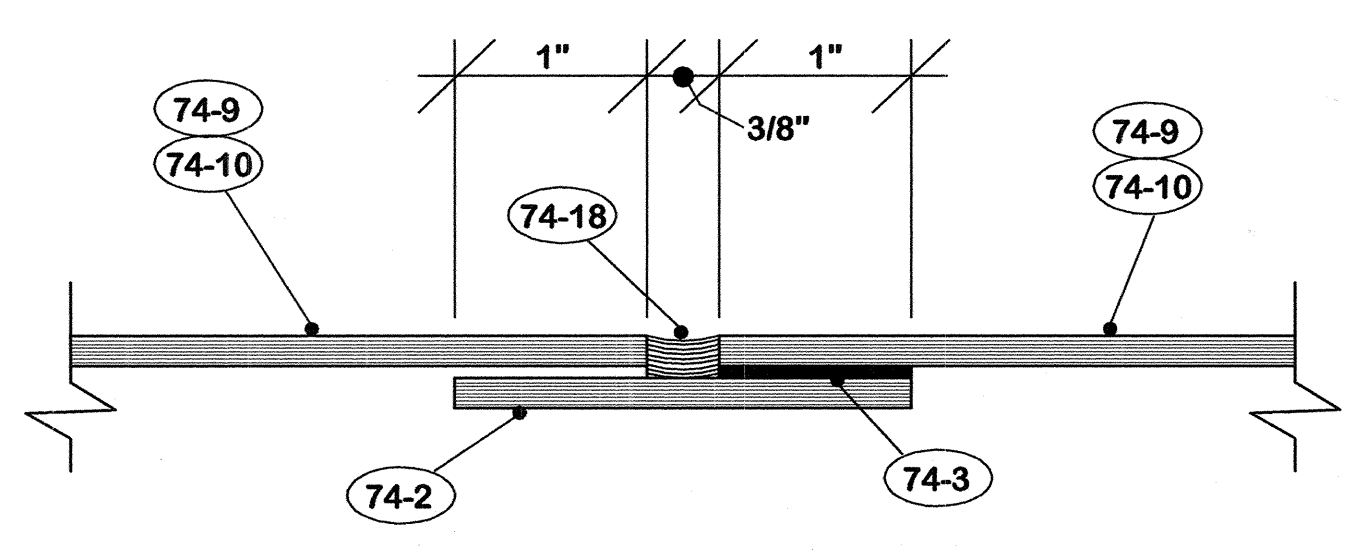
PLAN C-C-5 1/2 F. S.



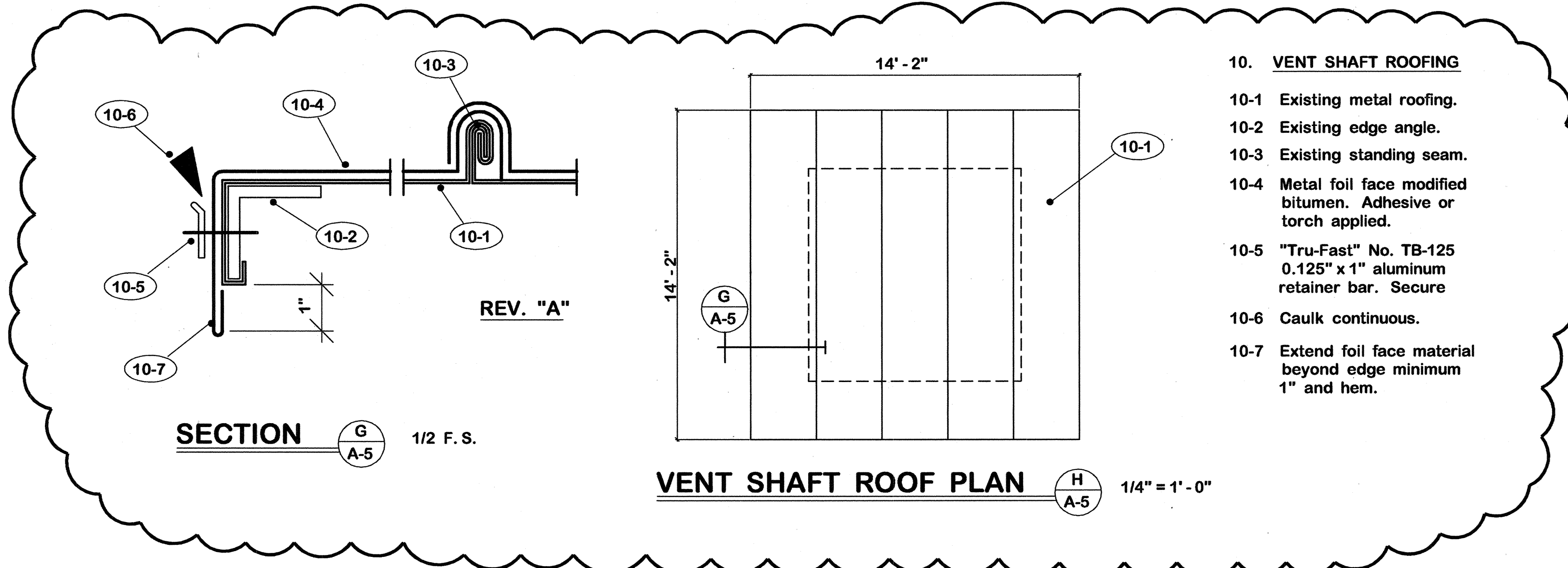
DETAIL D-A-5 1/2 F. S.



DETAIL F-A-5 3" = 1'-0"



DETAIL E-A-5 F. S.



SECTION G-A-5 1/2 F. S.

VENT SHAFT ROOF PLAN H-A-5 1/4" = 1'-0"

10. VENT SHAFT ROOFING

- 10-1 Existing metal roofing.
- 10-2 Existing edge angle.
- 10-3 Existing standing seam.
- 10-4 Metal foil face modified bitumen. Adhesive or torch applied.
- 10-5 "Tru-Fast" No. TB-125 0.125" x 1" aluminum retainer bar. Secure
- 10-6 Caulk continuous.
- 10-7 Extend foil face material beyond edge minimum 1" and hem.

74. FASCIA PANELS
- 74-1 3/16" composite aluminum panels.
 - 74-2 Cut from panel section.
 - 74-3 Structural sealant.
 - 74-4 Top panel extrusion with flashing hook.
 - 74-5 Bottom panel extrusion.
 - 74-6 Continuous aluminum perimeter extrusion.
 - 74-7 Dry gasket seals.
 - 74-8 1/8" aluminum hook continuous to pattern.
 - 74-9 Form wall cap from panel material.
 - 74-10 Form apron from panel material.
 - 74-11 Form corners from panel material.
 - 74-12 Fasteners as required.
 - 74-13 Panel stiffeners.
 - 74-14 1/8" aluminum plate continuous to pattern.
 - 74-15 Stagger fasteners maximum 12" c/c.
 - 74-16 Shim to plumb and level as required.
 - 74-17 Backer rod.
 - 74-18 Caulk continuous. level as required.
 - 74-19 1/8" x 1 1/2" aluminum clips maximum 16" c/c.

"AS-BUILT" NOTES:

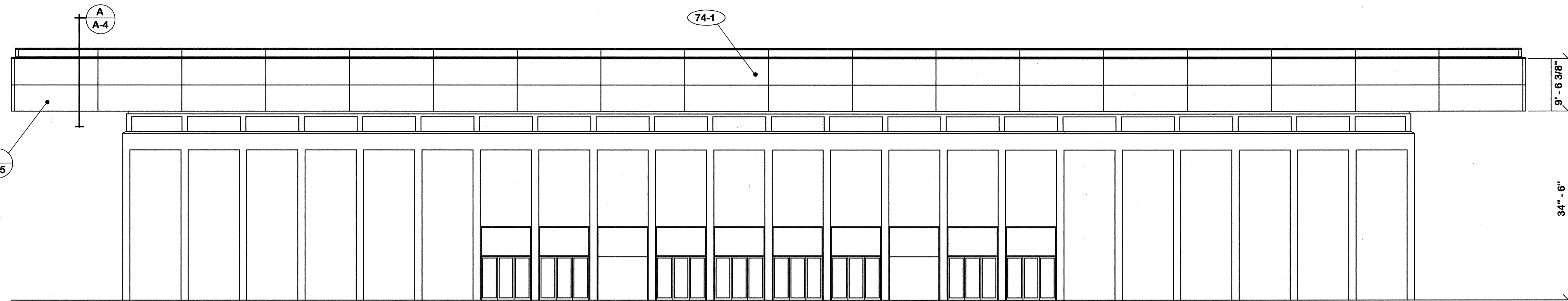
1. Revised detail D/A-5 to show 1/2" existing plywood was left in place. Changed note 6-14 to 2-21.
2. Added details G/A-5 and H/A-5. Vent shaft roof details.
3. Changed total number of drawings to 12.

REV.		DATE	DESCRIPTION
A	19/7/04		Add vent shaft roof, details and notes. (C.O.)

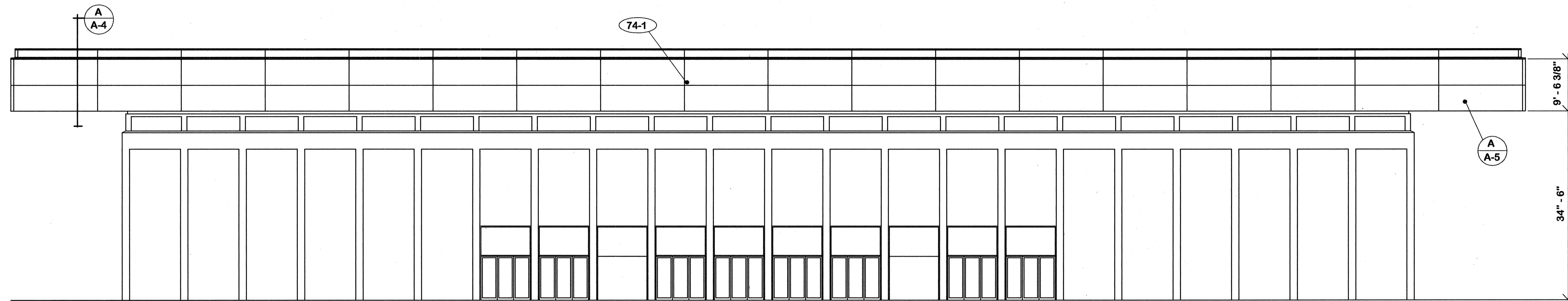
AS BUILT DATE 25 July 2005		DRAWING NO. A-5	
DRAWN BY M		OF 12	
CHECKED BY M		REVIEWED DIV. OF ENGR.	
A & B FILE 573-75		DATE 18 Nov. 2003	
AGENCY AUTHORIZED AGENT		DATE	
DIVISION OF ENGINEERING		DATE	

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY	
COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	
WILLIAM C. MARTIN, P. S. C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY	

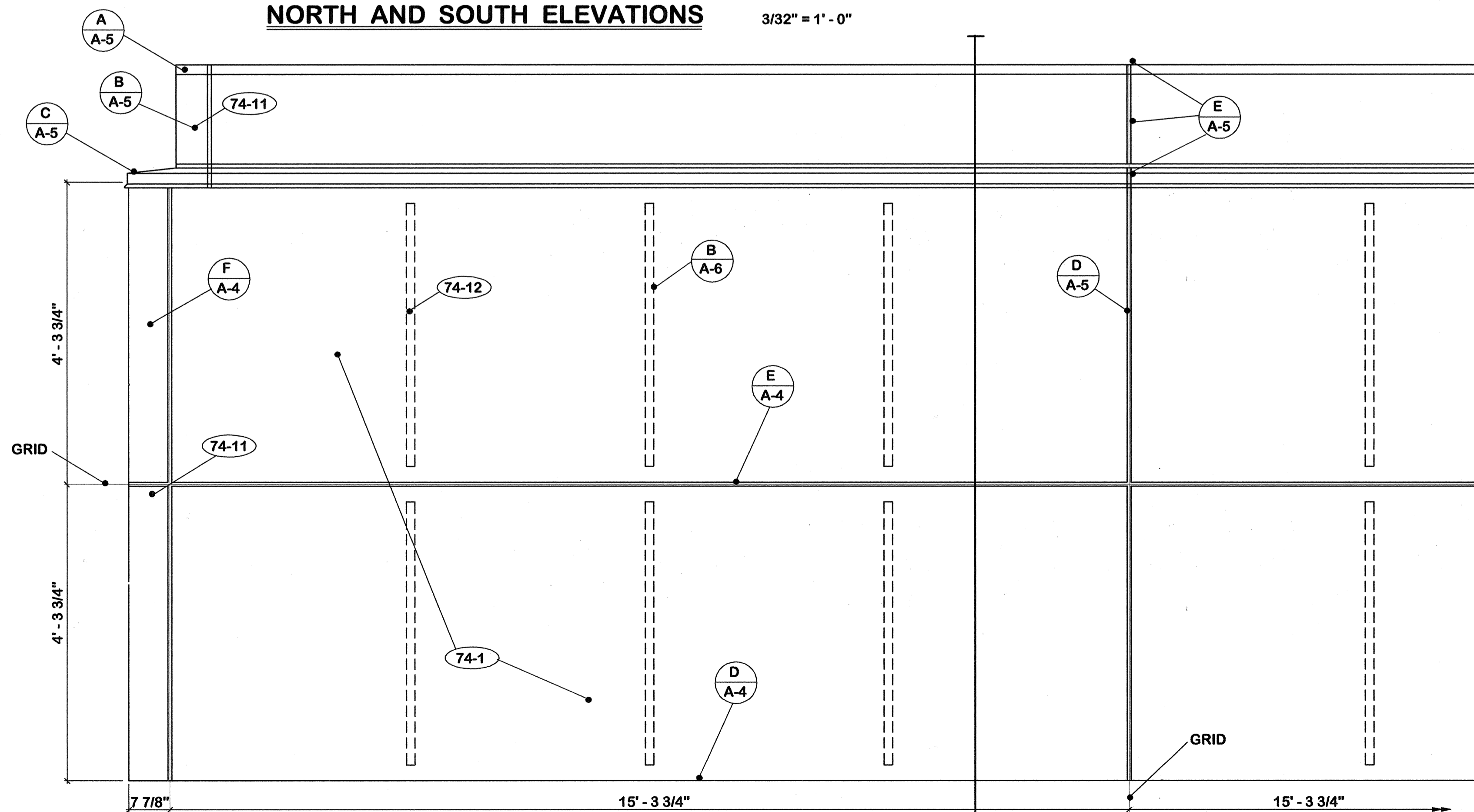
CPA-897



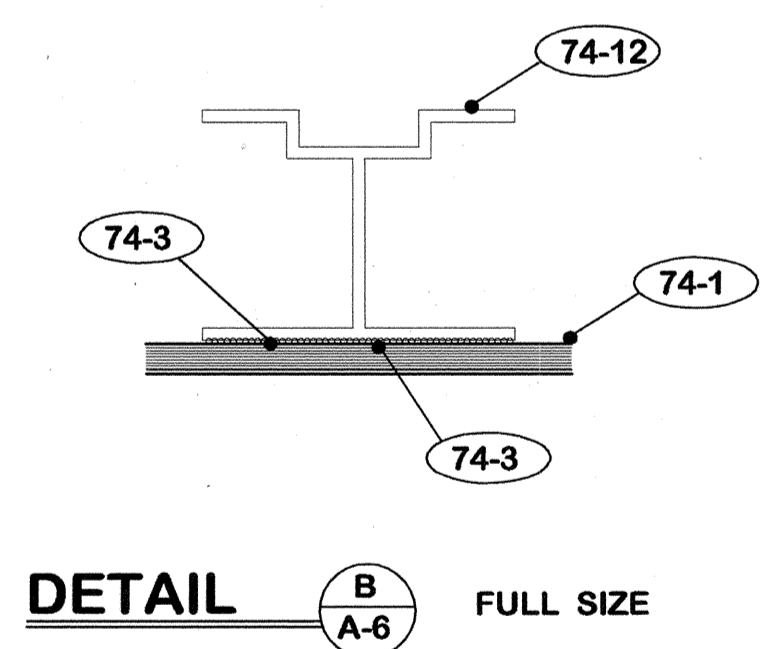
EAST AND WEST ELEVATIONS 3/32" = 1' - 0"



NORTH AND SOUTH ELEVATIONS 3/32" = 1' - 0"



TYPICAL FASCIA PANEL LAYOUT 3/4" = 1' - 0"



"AS-BUILT" NOTE:
 1. Add notes 21-7 and 2-14 through 2-21.
 2. Delete notes 2-5 and 21-6.
 3. Change total number of drawings to 12.

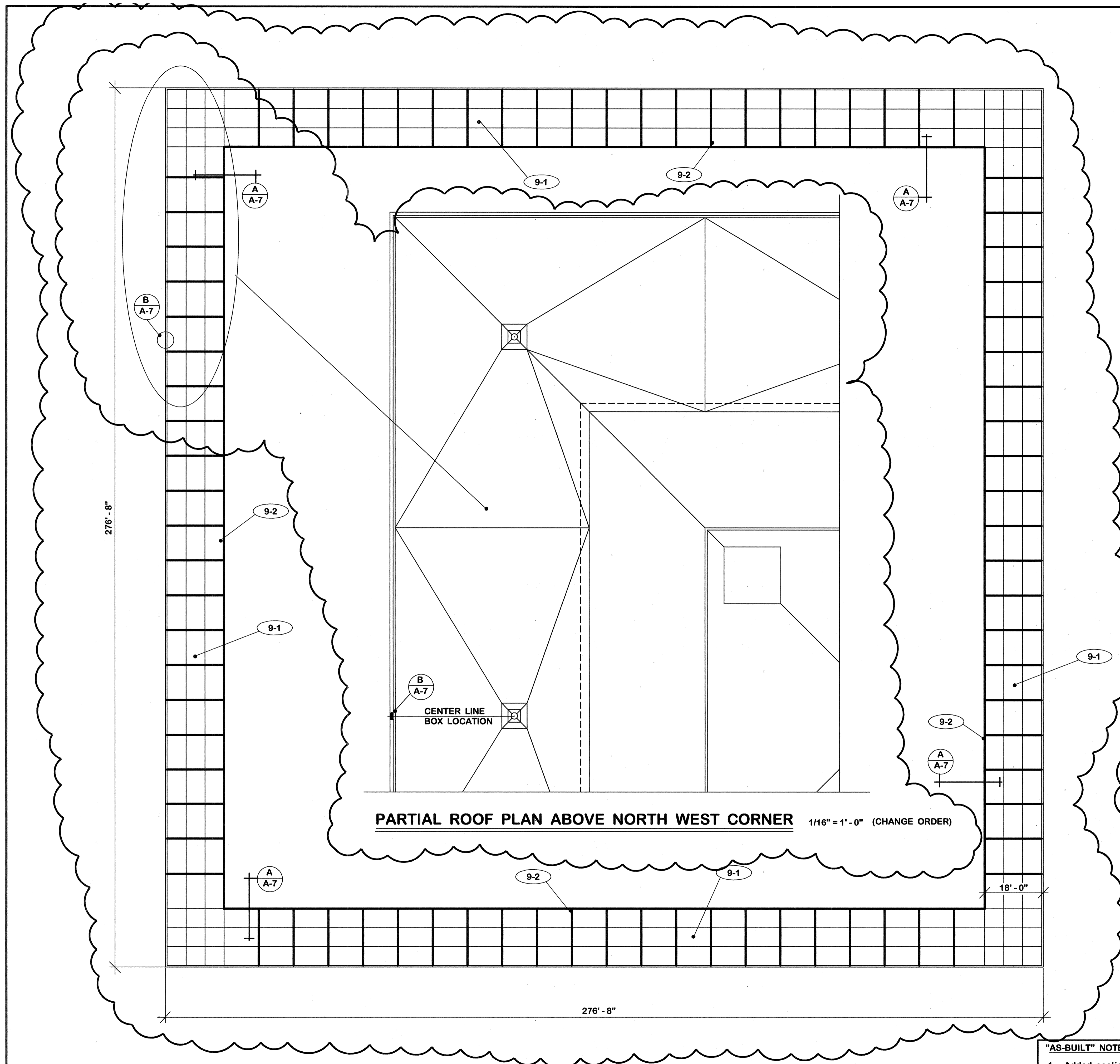
- 2. **EXISTING TO REMAIN**
- 2-1 Roof hatch.
- 2-2 Antenna support.
- 2-3 Roof drains.
- 2-4 Wood blocking.
- 2-5 Deleted.
- 2-6 Plumbing vent.
- 2-7 Vent shaft cover.
- 2-8 Metal deck.
- 2-9 Wood construction.
- 2-10 Pipe thru roof.
- 2-11 2 X 4's @ 2' - 0" c/c.
- 2-12 3" foil faced fiberglass insulation.
- 2-13 Plaster soffit.
- 2-14 Steel truss.
- 2-15 Steel railing.
- 2-16 Steel grating.
- 2-17 Steel channel.
- 2-18 Concrete slab.
- 2-19 Concrete wall.
- 2-20 Door and frame.
- 2-21 1/2" plywood sheathing.

- 21. **EXISTING TO REMOVE**
- 21-1 Flashing, roofing and insulation to roof deck.
- 21-2 Expansion joint covers.
- 21-3 Sloped wood members.
- 21-4 1 x 6.
- 21-5 Wood blocking.
- 21-6 1/2" plywood sheathing.
- 21-7 Metal fascia panels.

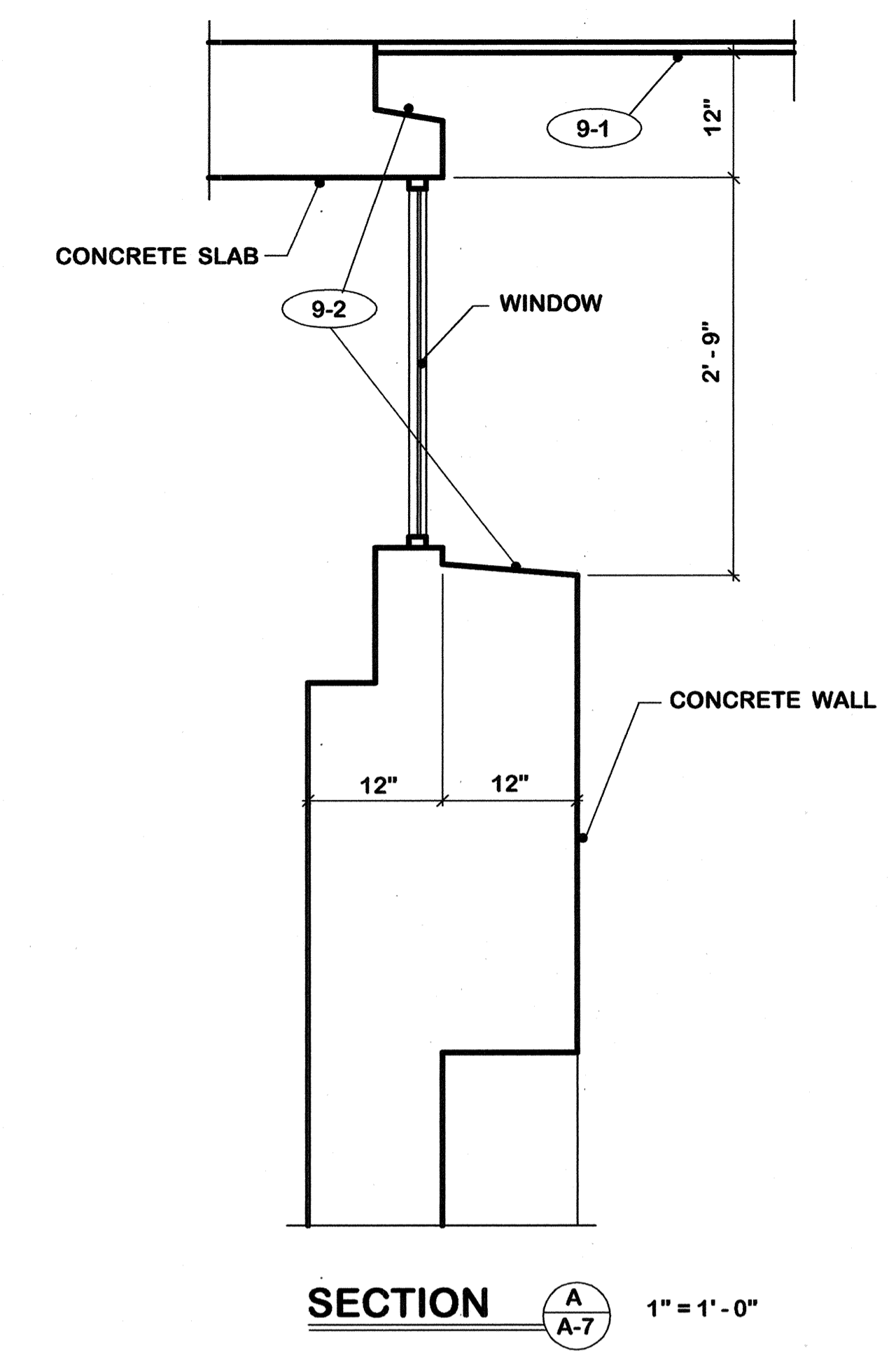
- 74. **FASCIA PANELS**
- 74-1 3/16" composite aluminum panels.
- 74-2 Cut from panel section.
- 74-3 Structural sealant.
- 74-4 Top panel extrusion with flashing hook.
- 74-5 Bottom panel extrusion.
- 74-6 Continuous aluminum perimeter extrusion.
- 74-7 Dry gasket seals.
- 74-8 1/8" aluminum hook continuous to pattern.
- 74-9 Form wall cap from panel material.
- 74-10 Form apron from panel material.
- 74-11 Form corners from panel material.
- 74-12 Fasteners as required.
- 74-13 Panel stiffeners.
- 74-14 1/8" aluminum plate continuous to pattern.
- 74-15 Stagger fasteners maximum 12" c/c.
- 74-16 Shim to plumb and level as required.
- 74-17 Backer rod.
- 74-18 Caulk continuous. level as required.
- 74-19 1/8" x 1 1/2" aluminum clips maximum 16" c/c.

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY		DRAWING NO. A-6 OF 12
AS-BUILT DATE: 25 July 2005	ELEVATIONS	REVIEWED DIV. OF ENGR.
DRAWN BY <i>M</i>	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	ENG. FILE NO. FPCC0010
CHECKED BY <i>M</i>	WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY	DATE 18 Nov. 2003
REV. DATE DESCRIPTION	AGENCY AUTHORIZED AGENT	DATE
	DIVISION OF ENGINEERING	DATE

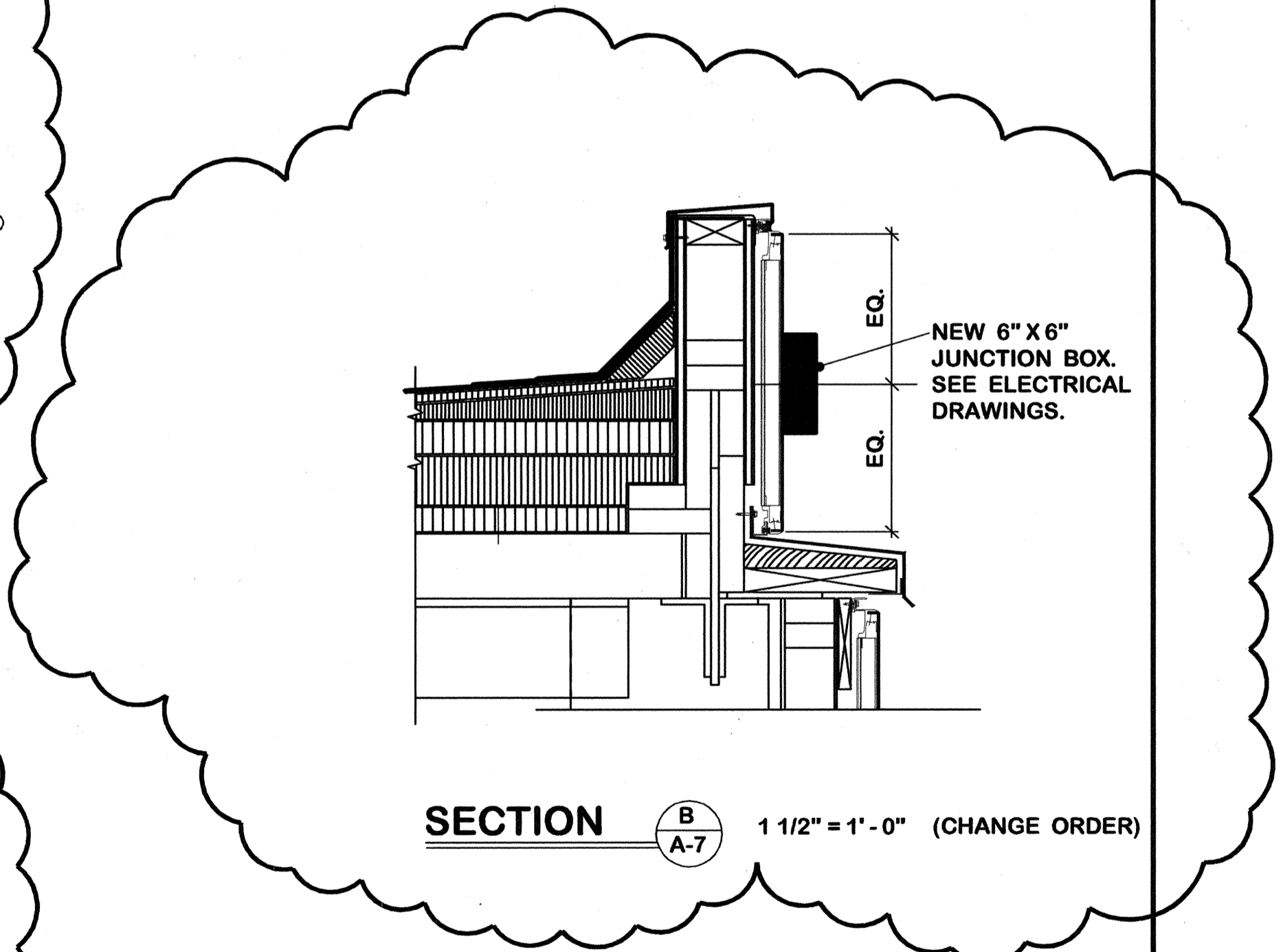
CPA-898



SOFFIT PLAN 1/16" = 1'-0"
PLAN NORTH



SECTION 1" = 1'-0"



SECTION 1 1/2" = 1'-0" (CHANGE ORDER)

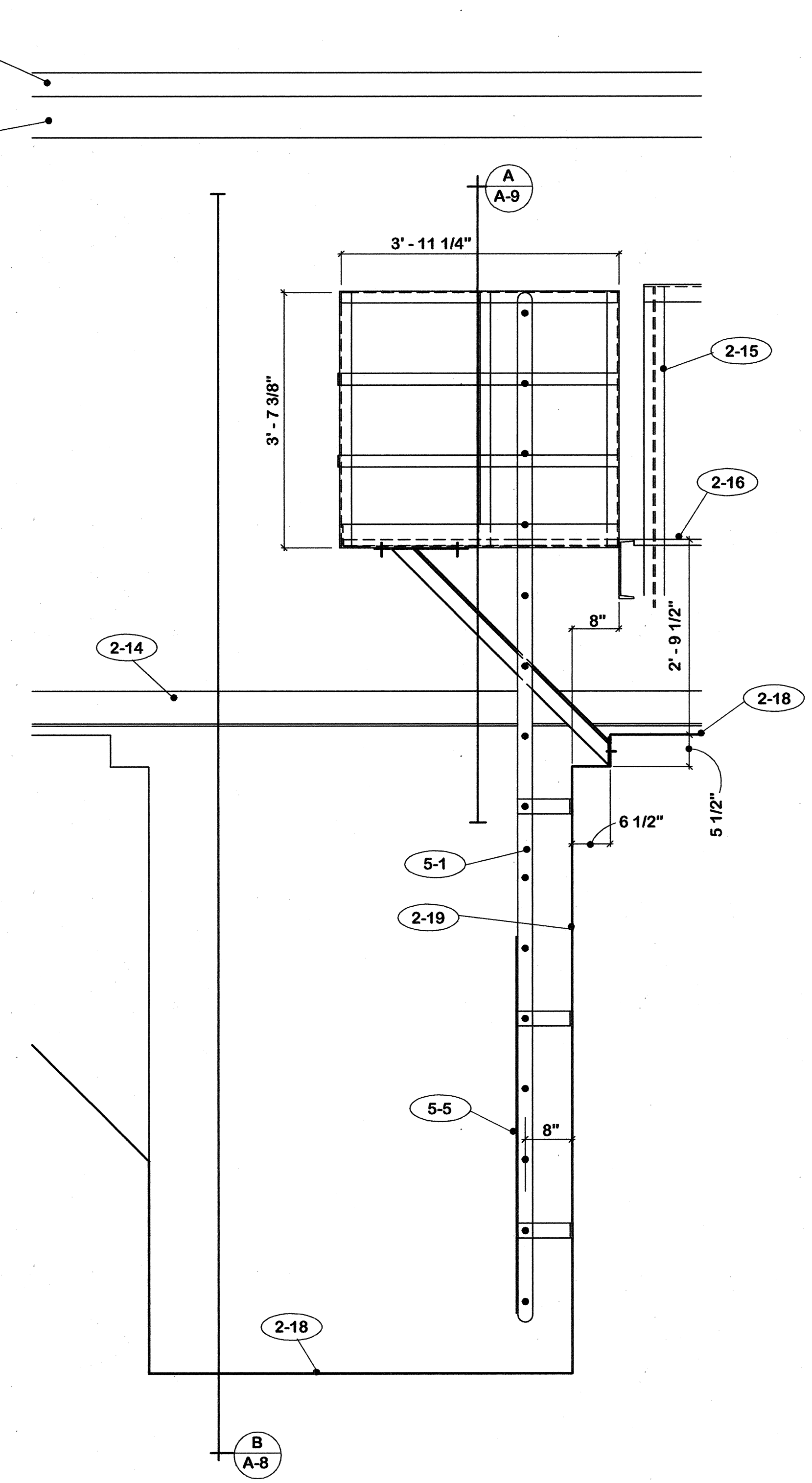
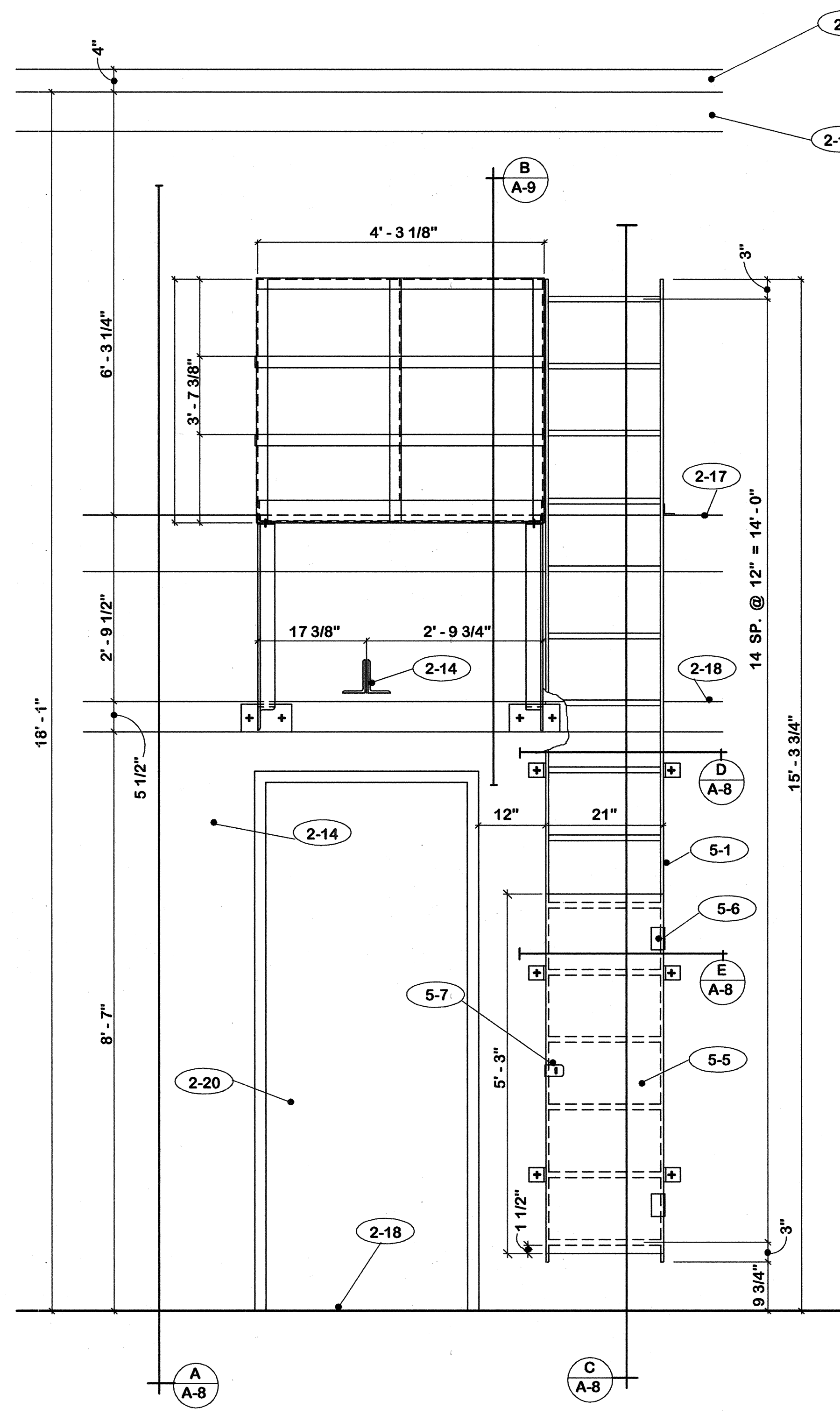
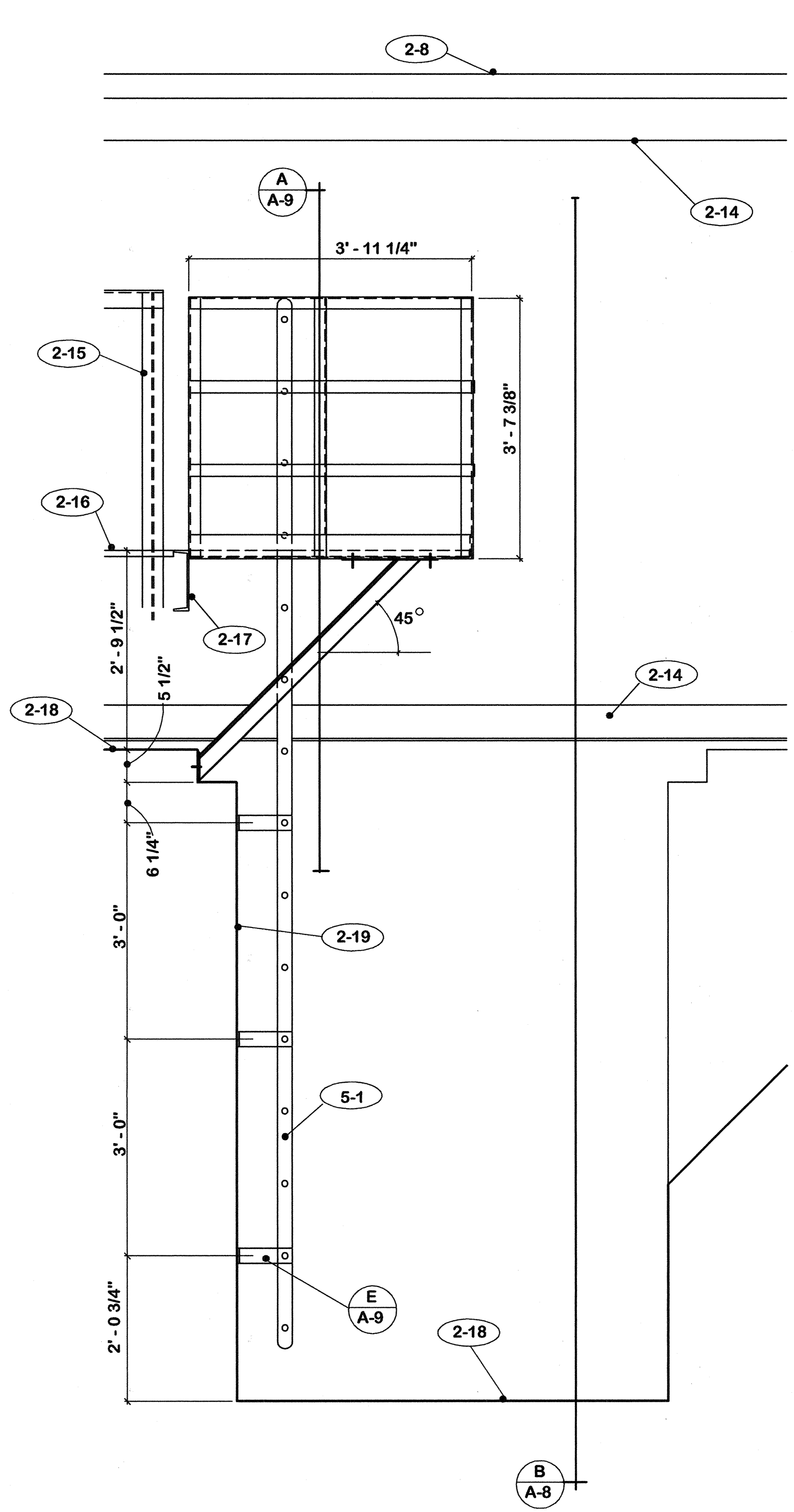
9. PAINTING
 9-1 Paint soffit.
 9-2 Remove pigeon dung from top of wall.

- "AS-BUILT" NOTE:**
1. Added section B/A-7.
 2. Added partial roof plan.
 3. Corrected panel layout in soffit, changed from 20 to 22 panels.
 4. Changed total number of drawings to 12.

REV.	DATE	DESCRIPTION

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY		DRAWING NO. A-7
AS BUILT DATE 25 July 2005	SOFFIT PLAN	OF 12
DRAWN BY <i>M</i>	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT	
CHECKED BY <i>M</i>	DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	
A & B FILE 573-75	WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY	
DATE 18 Nov. 2003	ENG. FILE NO. FPCC0010	
AGENCY AUTHORIZED AGENT _____ DATE _____		APPROVED FOR PROGRAM CONCEPT ONLY
DIVISION OF ENGINEERING _____ DATE _____		APPROVED FOR PROGRAM CONCEPT ONLY

CDA-899



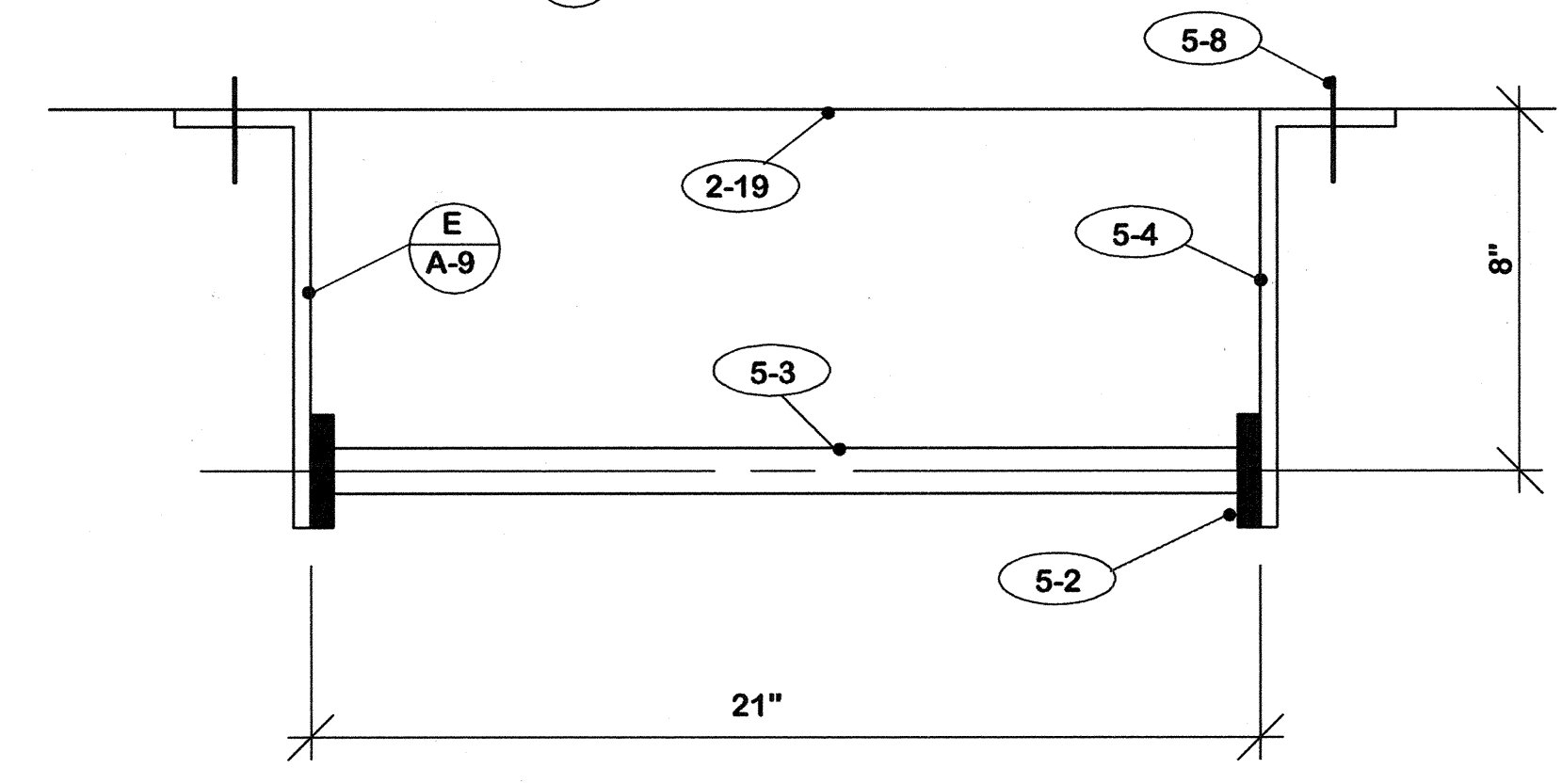
- 2. EXISTING TO REMAIN**
- 2-1 Roof hatch.
 - 2-2 Antenna support.
 - 2-3 Roof drains.
 - 2-4 Wood blocking.
 - 2-5 Deleted.
 - 2-6 Plumbing vent.
 - 2-7 Vent shaft cover.
 - 2-8 Metal deck.
 - 2-9 Wood construction.
 - 2-10 Pipe thru roof.
 - 2-11 2 X 4's @ 2'-0" c/c.
 - 2-12 3" foil faced fiberglass insulation.
 - 2-13 Plaster soffit.
 - 2-14 Steel truss.
 - 2-15 Steel railing.
 - 2-16 Steel grating.
 - 2-17 Steel channel.
 - 2-18 Concrete slab.
 - 2-19 Concrete wall.
 - 2-20 Door and frame.
 - 2-21 1/2" plywood sheathing.

- 5. LADDER AND PLATFORM**
- 5-A All connections to be welded except as noted.
 - 5-B Verify all dimensions in field prior to fabrication.
 - 5-C Radius all exterior corners.
 - 5-1 Steel ladder.
 - 5-2 1/2" x 2 1/2" rails. Punch for rungs.
 - 5-3 1" solid rod rungs.
 - 5-4 3/8" x 2 1/2" brackets.
 - 5-5 3/16" checkered plate door.
 - 5-6 1 pr. Hager No. NHFS 1808 2 1/2" X 2 13/32" full surface welding hinges with riveted steel pin.
 - 5-7 1 Hager no. 1941 extra heavy fixed staple hasp. Weld to rail and door.
 - 5-8 5/8" x 3 1/2" "Rawl-Stud".
 - 5-9 3/4" A-325 bolts.
 - 5-10 4" x 3" x 1/4" steel angle.
 - 5-11 3" x 3" x 1/4" x 9" steel angle.
 - 5-12 3" x 3" x 3/8" steel angle.
 - 5-13 5" x 1/4" x 9" steel plate.
 - 5-14 3" x 1/4" x 12" steel plate.
 - 5-15 R-19-4 (1 x 3/16) welded steel grating.
 - 5-16 2" x 2" x 1/4" steel angle. Weld to channel and ladder.
 - 5-17 2" x 2" x 1/4" steel angle.
 - 5-18 2" x 1/4" steel bars.
 - 5-19 Weld bars to angle and ladder.
 - 5-20 Weld angle to ladder.

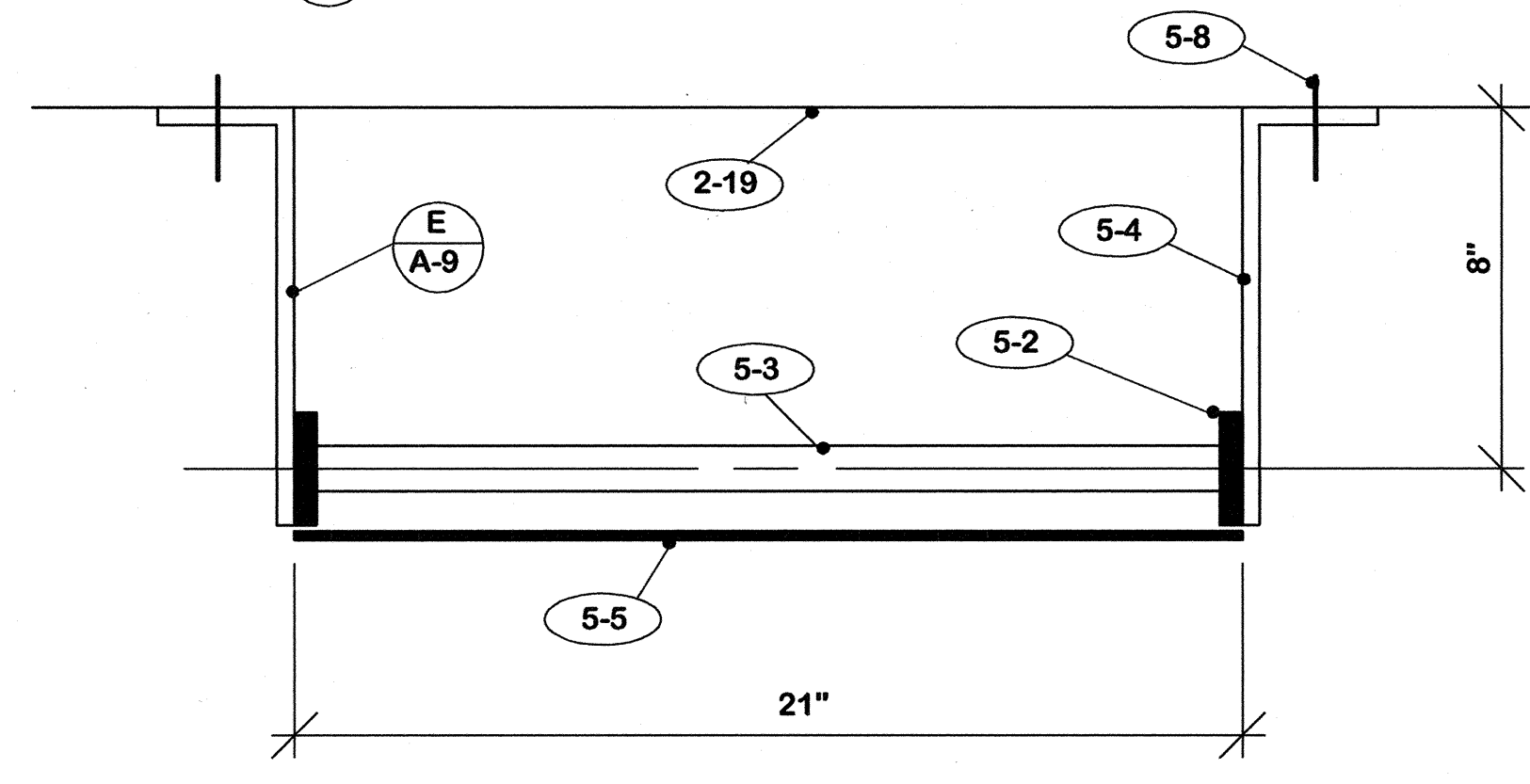
"AS-BUILT" NOTE:

1. Work shown this drawing was added by Change Order.
2. Changed total number of drawings to 12.

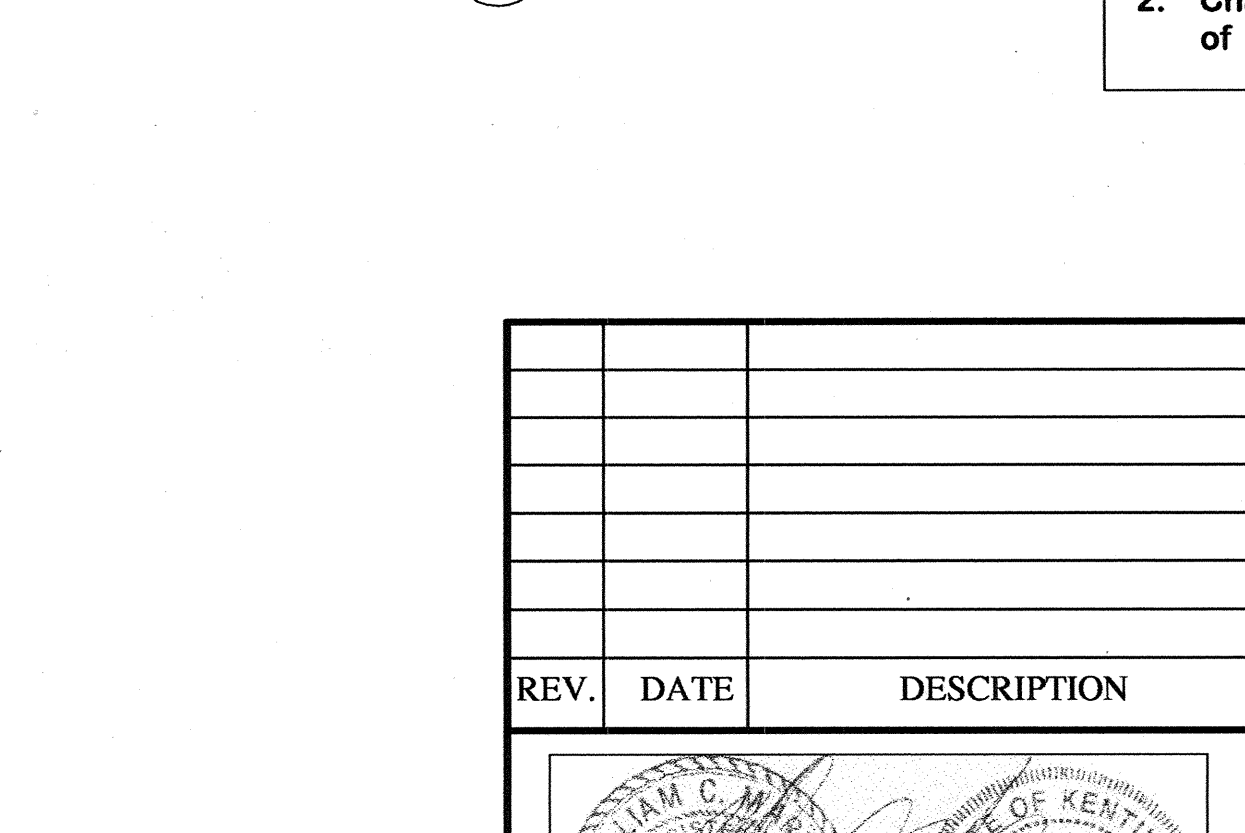
SECTION A-A-8 3/4" = 1'-0"



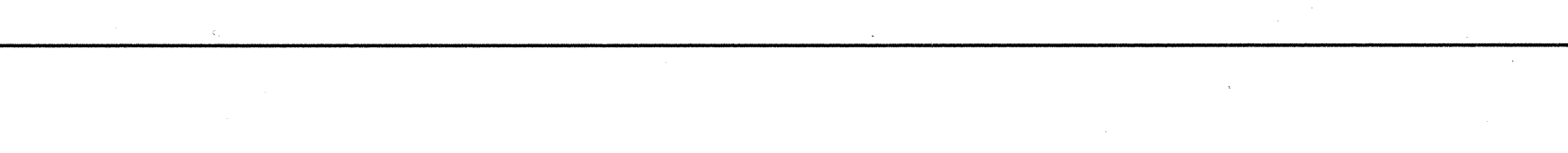
ELEVATION B-A-8 3/4" = 1'-0"



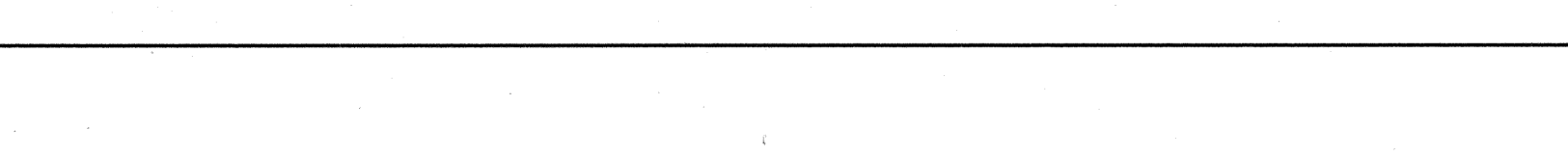
SECTION C-A-8 3/4" = 1'-0"



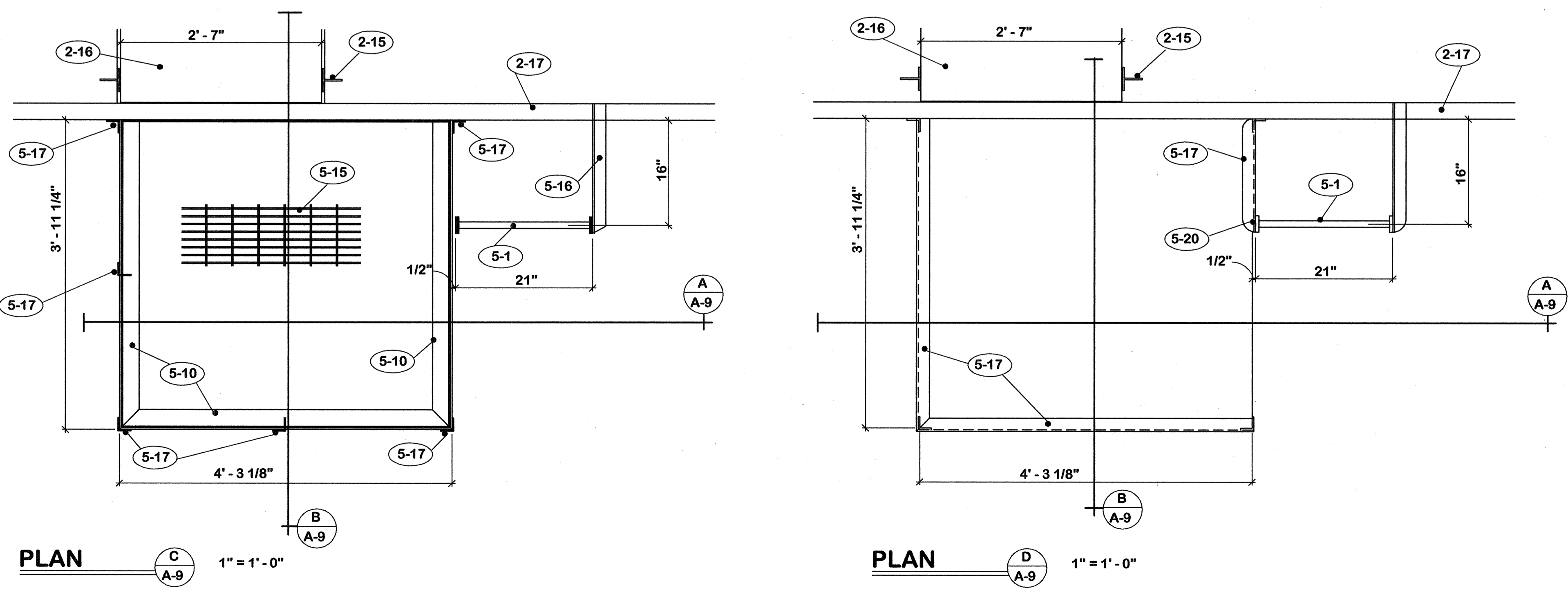
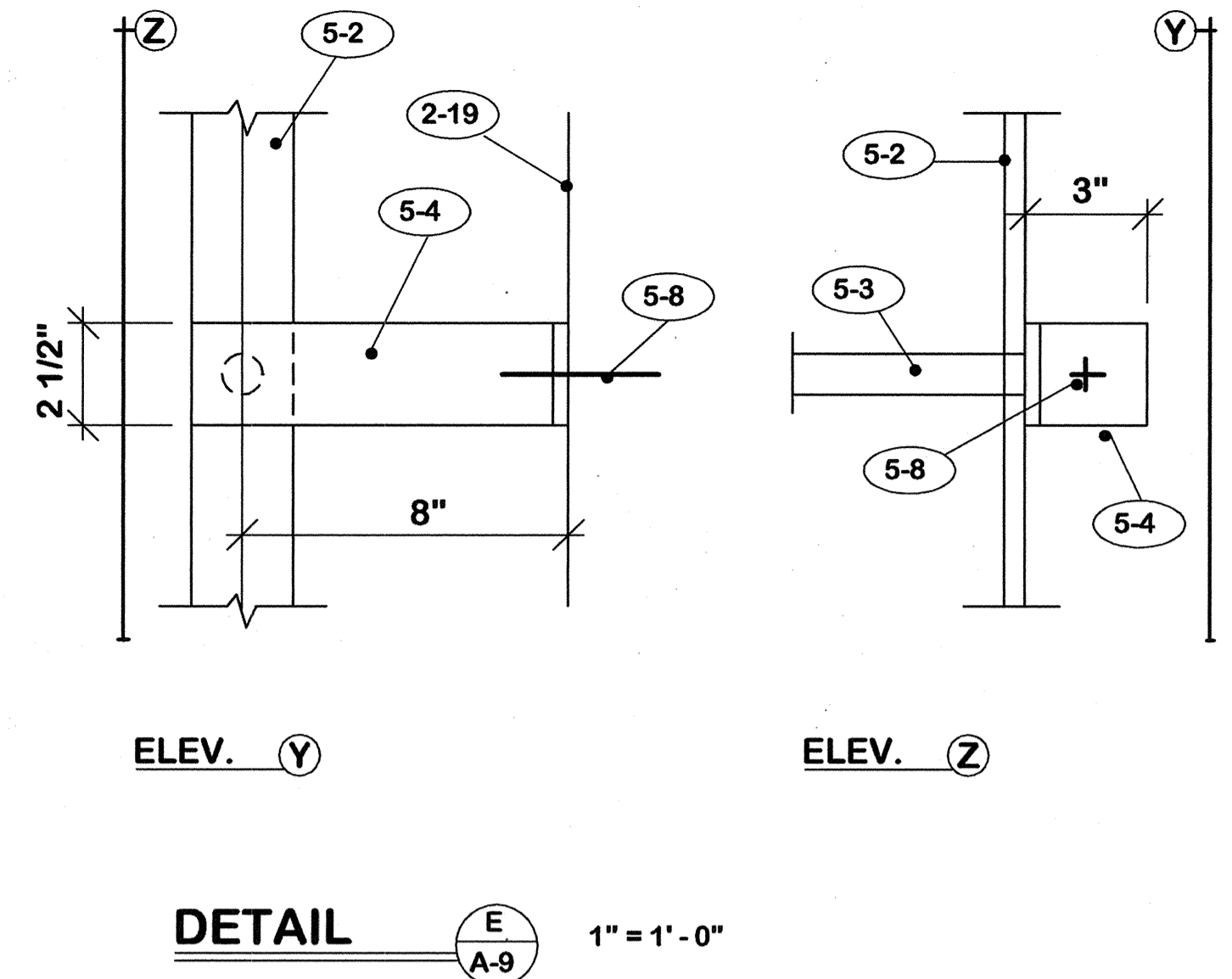
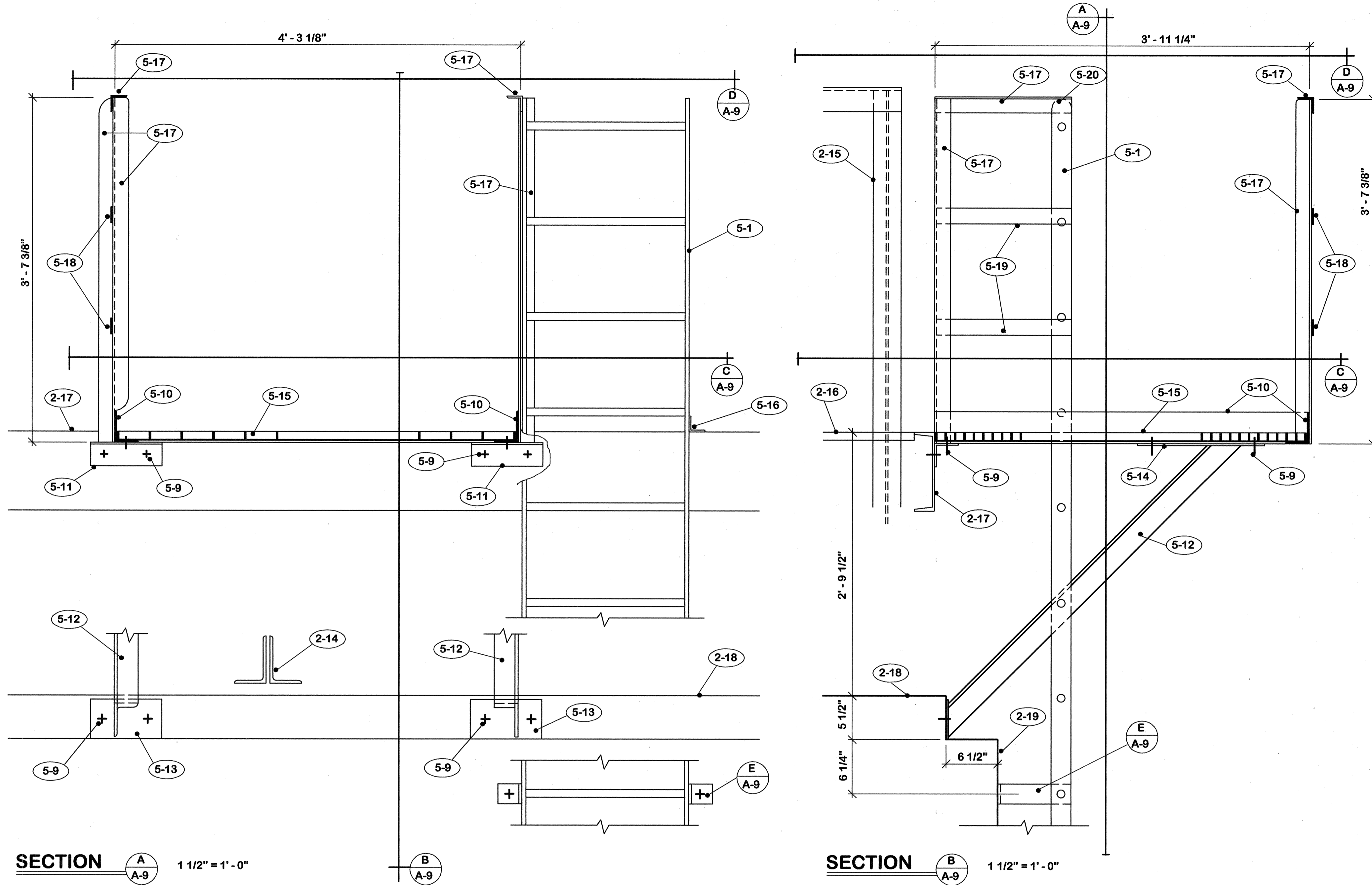
SECTION D-A-8 3" = 1'-0"



SECTION E-A-8 3" = 1'-0"



		REPLACE ROOF -- CIVIC CENTER		A-8
		FRANKFORT, KENTUCKY		
AS BUILT DATE 25 July 2005		LADDER ELEV. AND DETAILS		DRAWING NO. A-8 OF 12
DRAWN BY 		COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY		
CHECKED BY 		573-75		REVIEWED DIV. OF ENGR. ENO. FILE NO. FPCC0010
A & E FILE		DATE 28 June 2004		
REV. DATE DESCRIPTION		AGENCY AUTHORIZED AGENT _____ DATE _____ <small>APPROVED FOR PROGRAM CONCEPT ONLY</small>		DIVISION OF ENGINEERING _____ DATE _____ <small>APPROVED FOR PROGRAM CONCEPT ONLY</small>
CP-899A				



- 2. EXISTING TO REMAIN**
- 2-1 Roof hatch.
 - 2-2 Antenna support.
 - 2-3 Roof drains.
 - 2-4 Wood blocking.
 - 2-5 Deleted.
 - 2-6 Plumbing vent.
 - 2-7 Vent shaft cover.
 - 2-8 Metal deck.
 - 2-9 Wood construction.
 - 2-10 Pipe thru roof.
 - 2-11 2 X 4's @ 2'-0" c/c.
 - 2-12 3" foil faced fiberglass insulation.
 - 2-13 Plaster soffit.
 - 2-14 Steel truss.
 - 2-15 Steel railing.
 - 2-16 Steel grating.
 - 2-17 Steel channel.
 - 2-18 Concrete slab.
 - 2-19 Concrete wall.
 - 2-20 Door and frame.
 - 2-21 1/2" plywood sheathing.

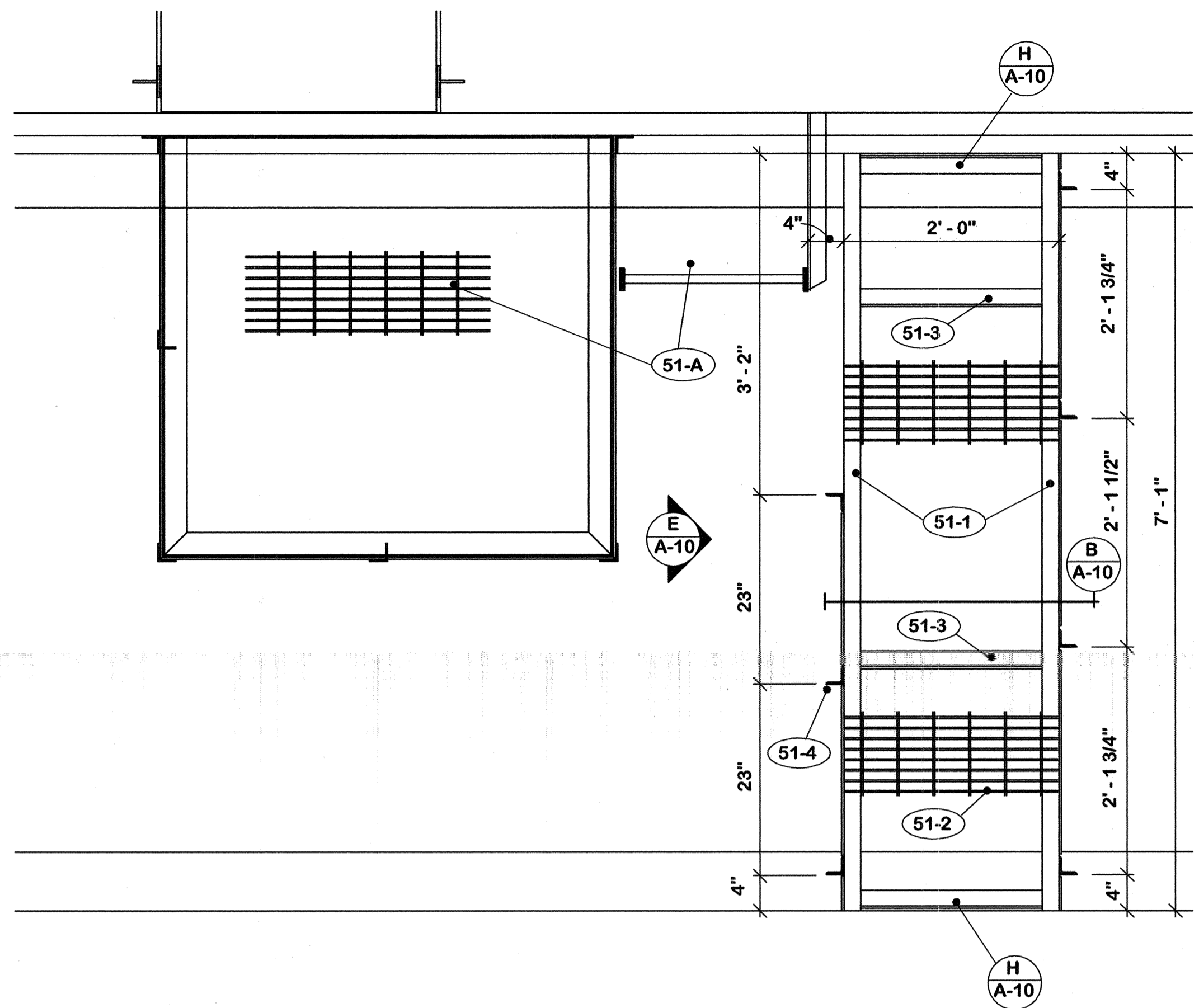
- 5. LADDER AND PLATFORM**
- 5-A All connections to be welded except as noted.
 - 5-B Verify all dimensions in field prior to fabrication.
 - 5-C Radius all exterior corners.
 - 5-1 Steel ladder.
 - 5-2 1/2" x 2 1/2" rails. Punch for rungs.
 - 5-3 1" solid rod rungs.
 - 5-4 3/8" x 2 1/2" brackets.
 - 5-5 3/16" checkered plate door.
 - 5-6 1 pr. Hager No. NHFS 1808 2 1/2" X 2 13/32" full surface welding hinges with riveted steel pin.
 - 5-7 1 Hager no. 1941 extra heavy fixed staple hasp. Weld to rail and door.
 - 5-8 5/8" x 3 1/2" "Rawl-Stud".
 - 5-9 3/4" A-325 bolts.
 - 5-10 4" x 3" x 1/4" steel angle.
 - 5-11 3" x 3" x 1/4" x 9" steel angle.
 - 5-12 3" x 3" x 3/8" steel angle.
 - 5-13 5" x 1/4" x 9" steel plate.
 - 5-14 3" x 1/4" x 12" steel plate.
 - 5-15 R-19-4 (1 x 3/16) welded steel grating.
 - 5-16 2" x 2" x 1/4" steel angle. Weld to channel and ladder.
 - 5-17 2" x 2" x 1/4" steel angle.
 - 5-18 2" x 1/4" steel bars.
 - 5-19 Weld bars to angle and ladder.
 - 5-20 Weld angle to ladder.

"AS-BUILT" NOTE:

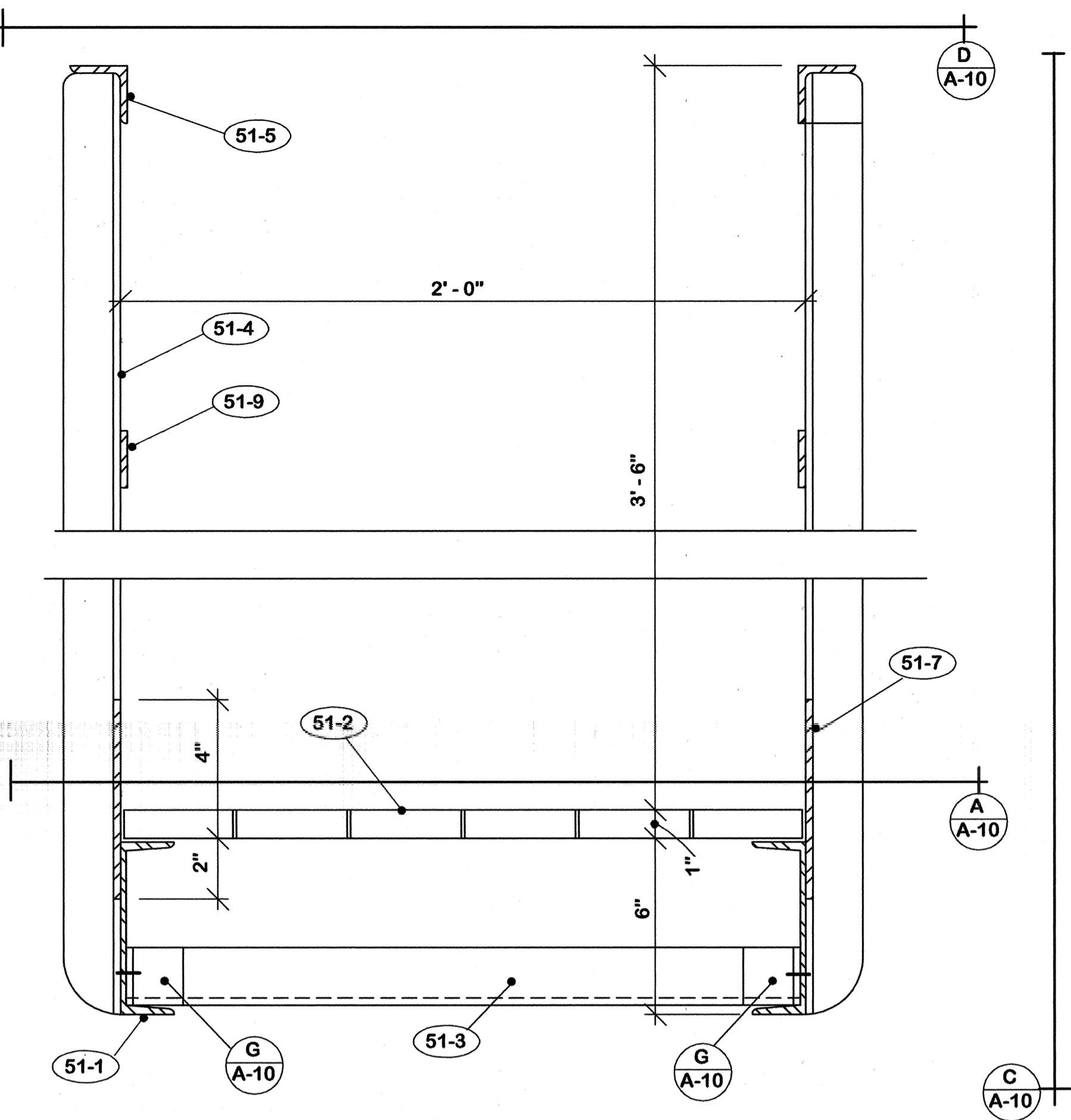
1. Work shown this drawing was added by Change Order.
2. Changed total number of drawings to 12.

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY		DRAWING NO. A-9
AS BUILT DATE 25 July 2005	LADDER PLANS AND DETAILS	OF 12
DRAWN BY M	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	REVIEWED DIV. OF ENGR.
CHECKED BY M	573-75	WILLIAM C. MARTIN, P. S. C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY
DATE 28 June 2004	AGENCY AUTHORIZED AGENT	DATE
DIVISION OF ENGINEERING		DATE

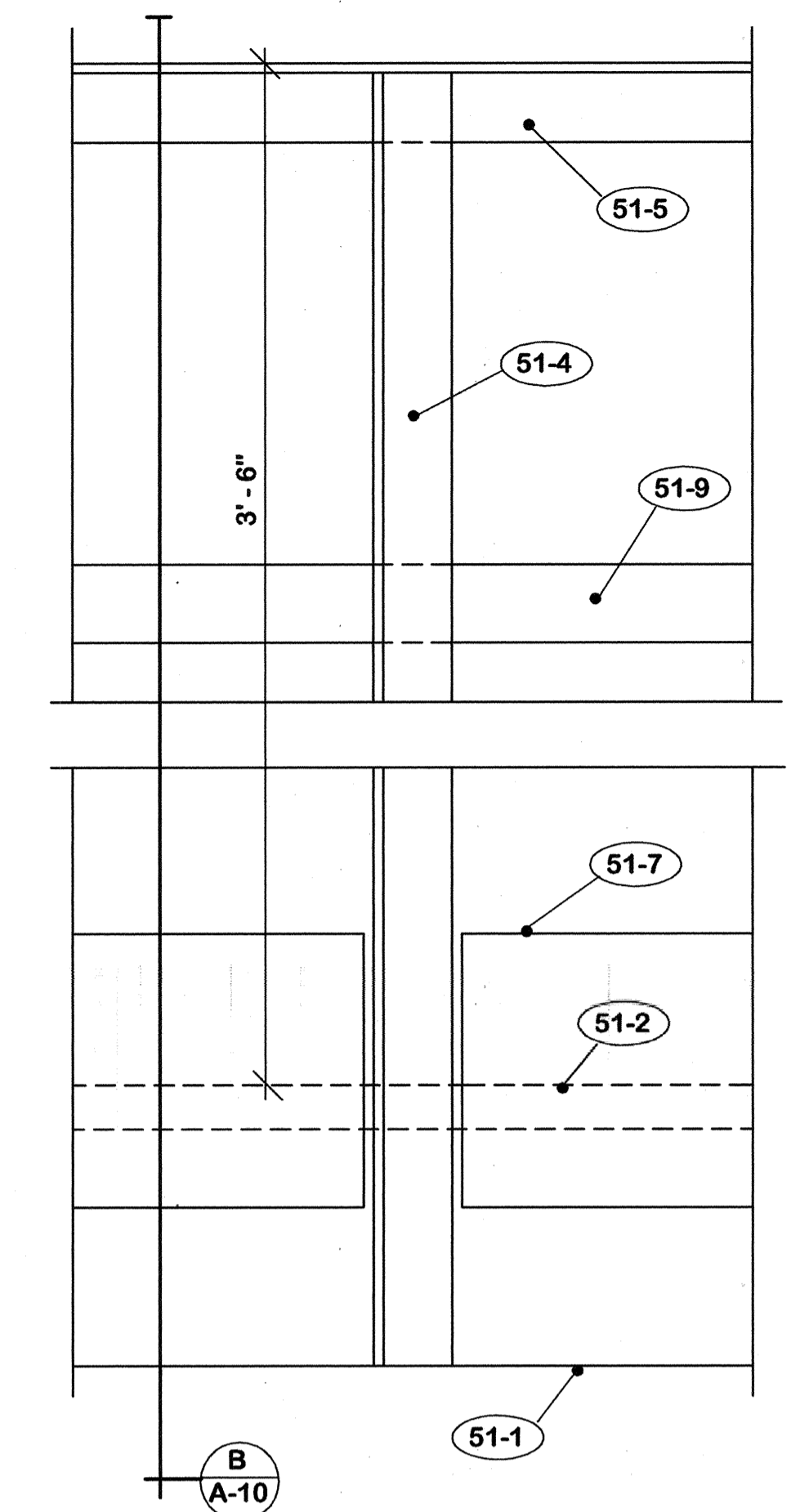
CPA-8998



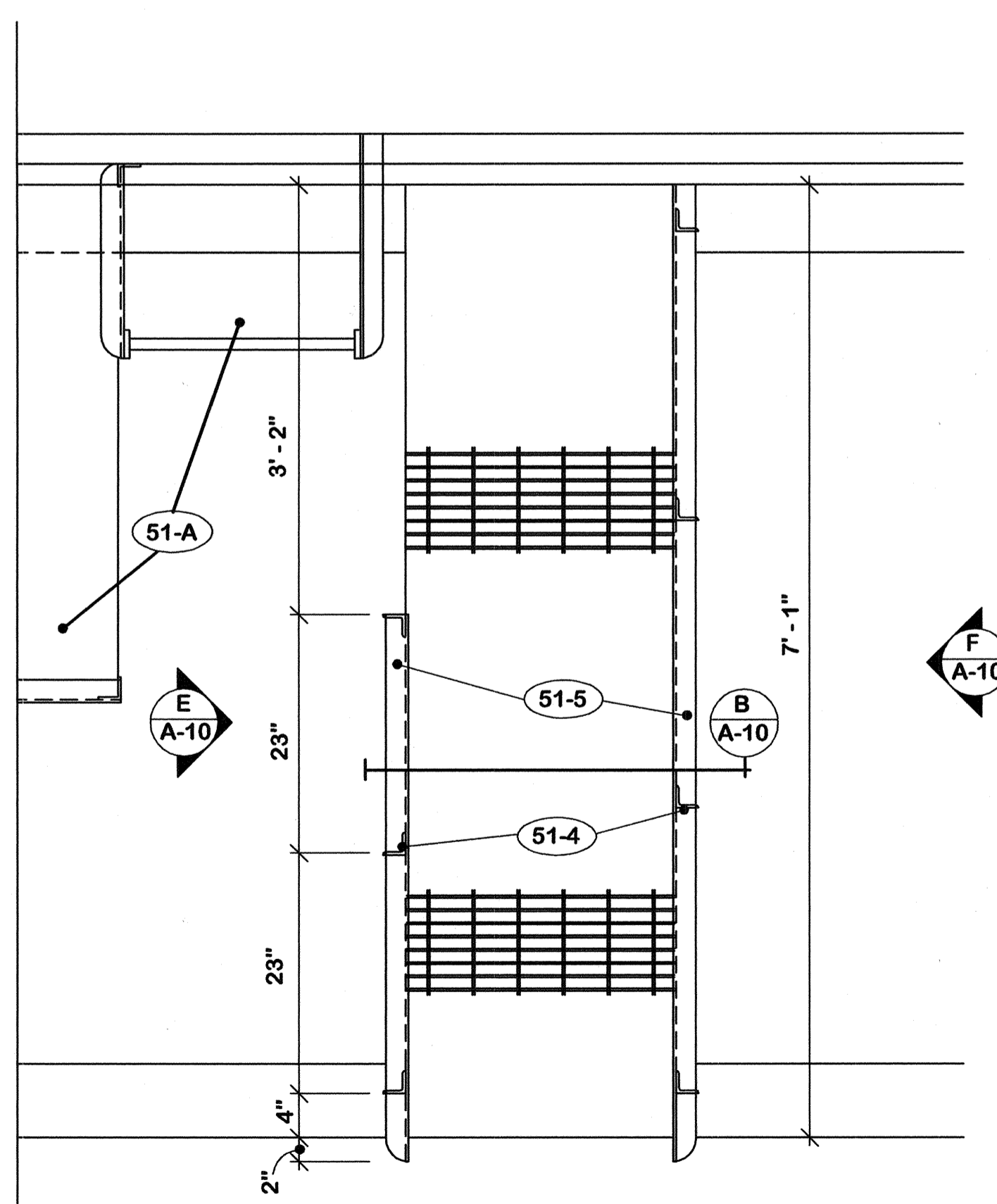
PLAN ^A/_{A-10} 1" = 1'-0"



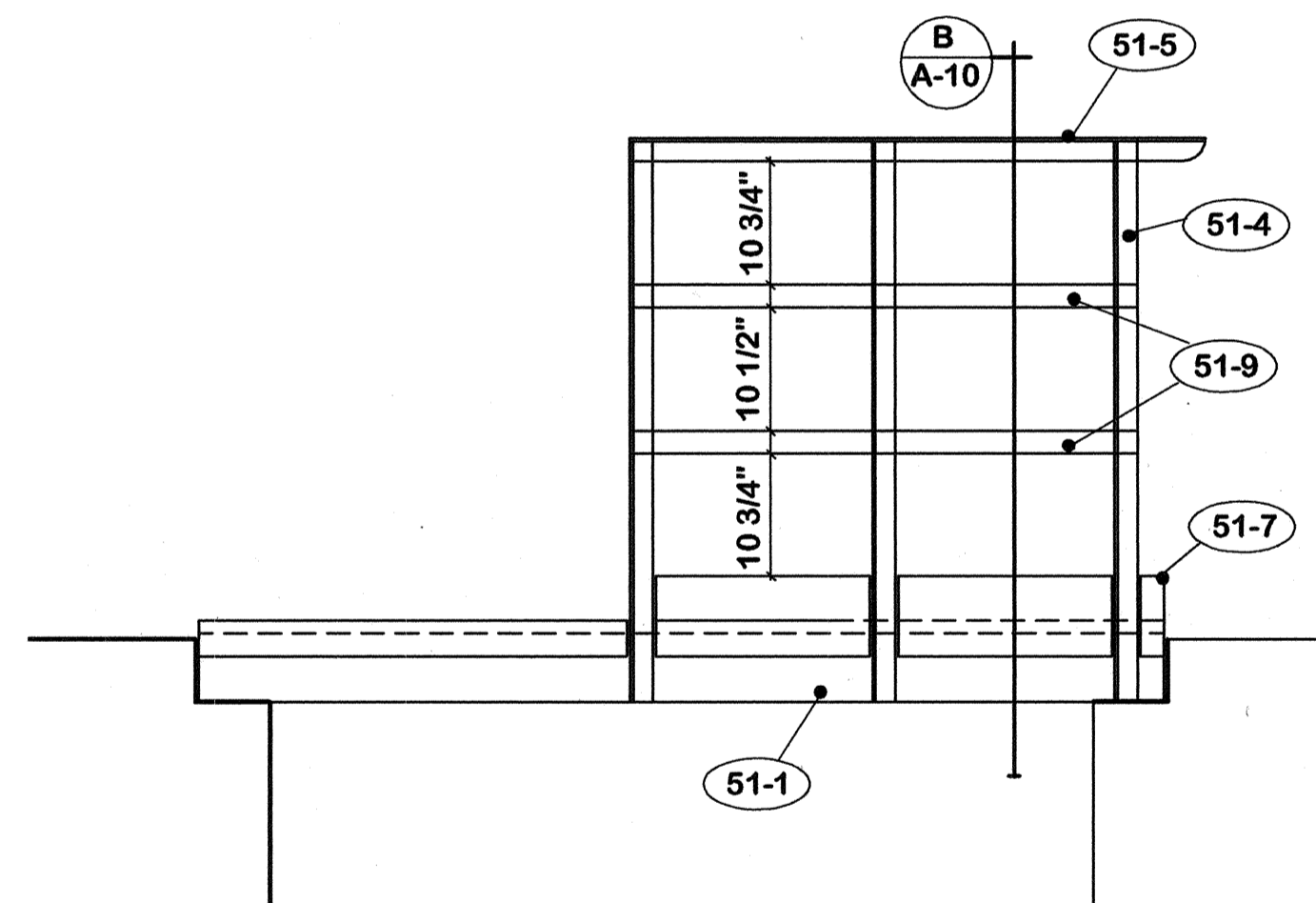
SECTION ^B/_{A-10} 3" = 1'-0"



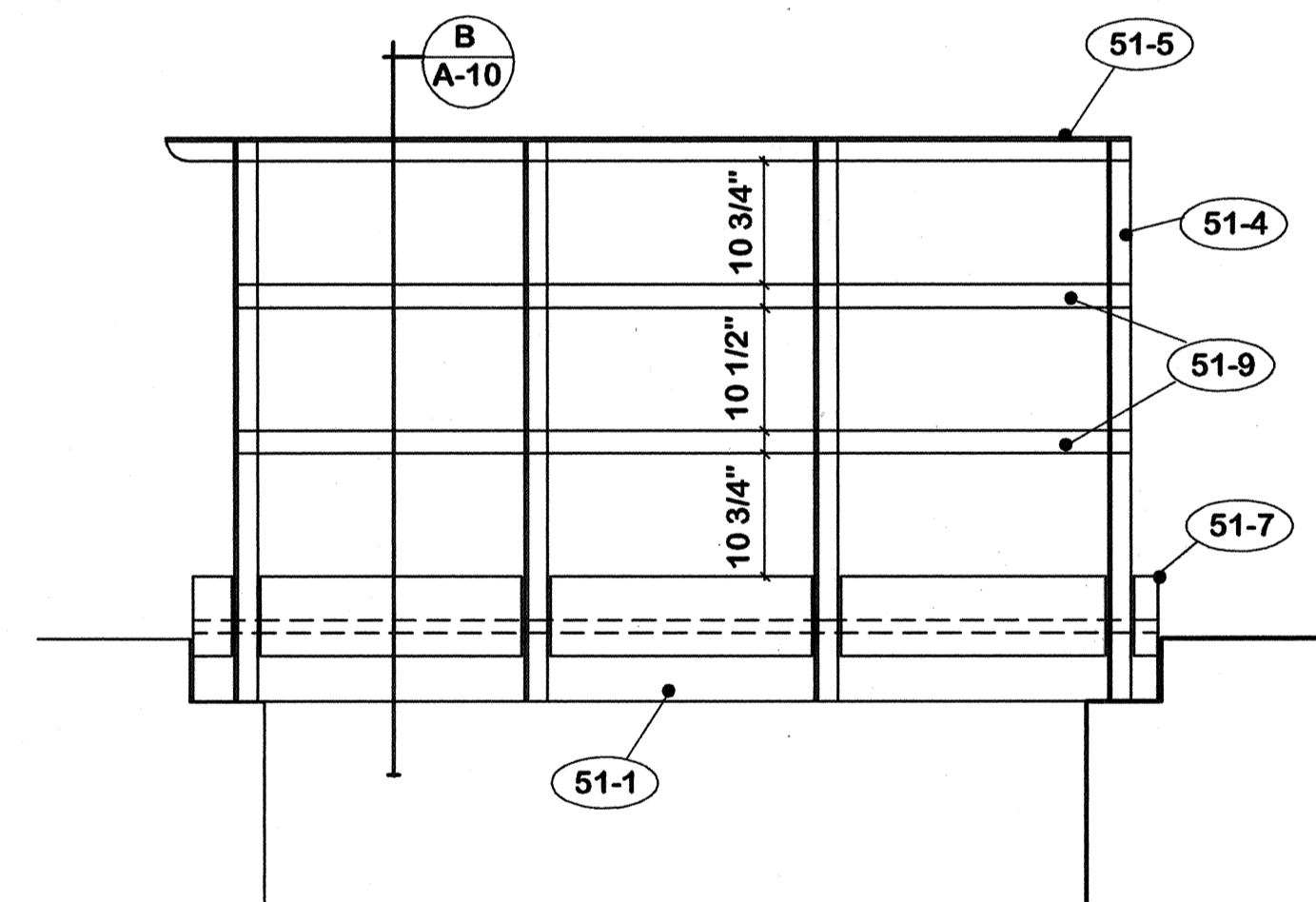
SECTION ^C/_{A-10} 3" = 1'-0"



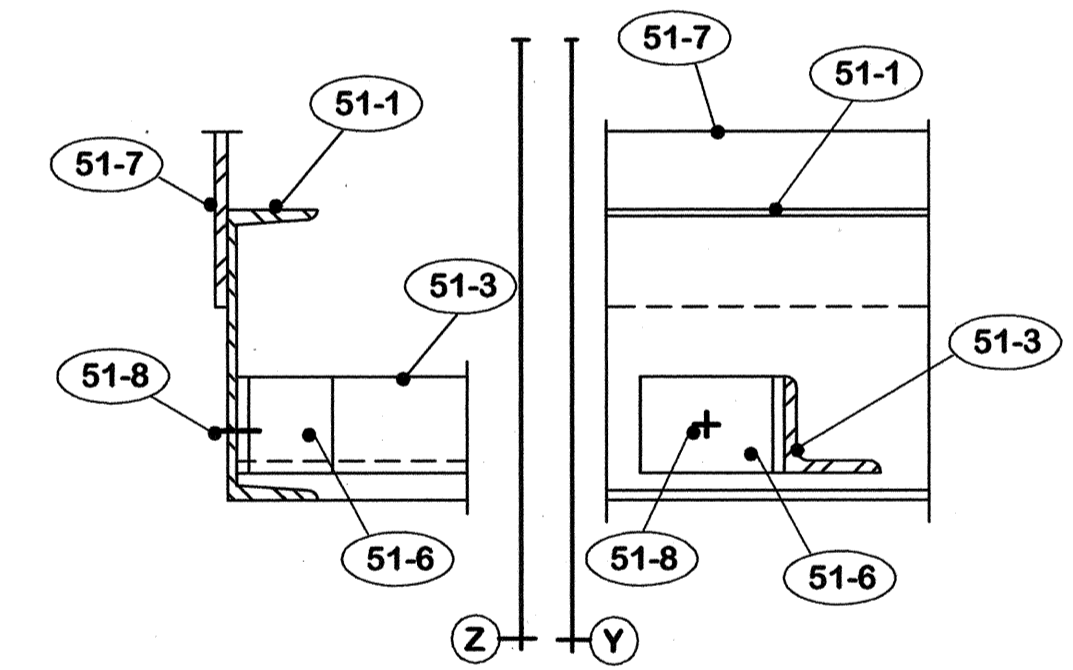
PLAN ^D/_{A-10} 1" = 1'-0"



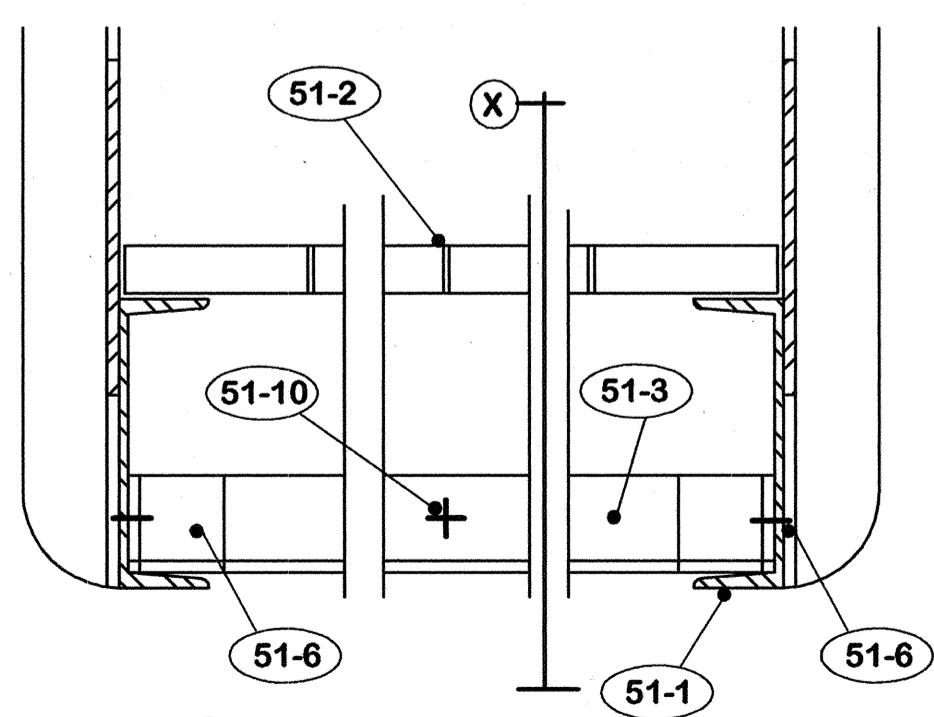
ELEVATION ^E/_{A-10} 3/4" = 1'-0"



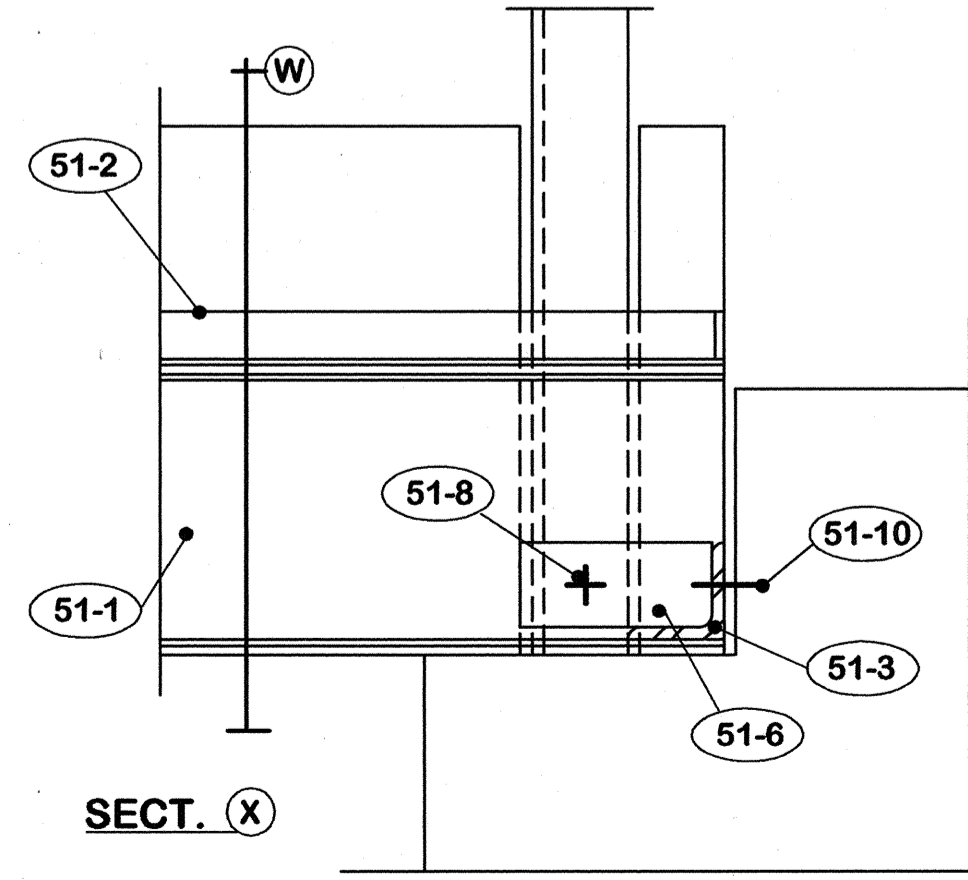
ELEVATION ^F/_{A-10} 3/4" = 1'-0"



DETAIL ^G/_{A-10} 3" = 1'-0"



SECT. W



SECT. X

DETAIL ^H/_{A-10} 3" = 1'-0"

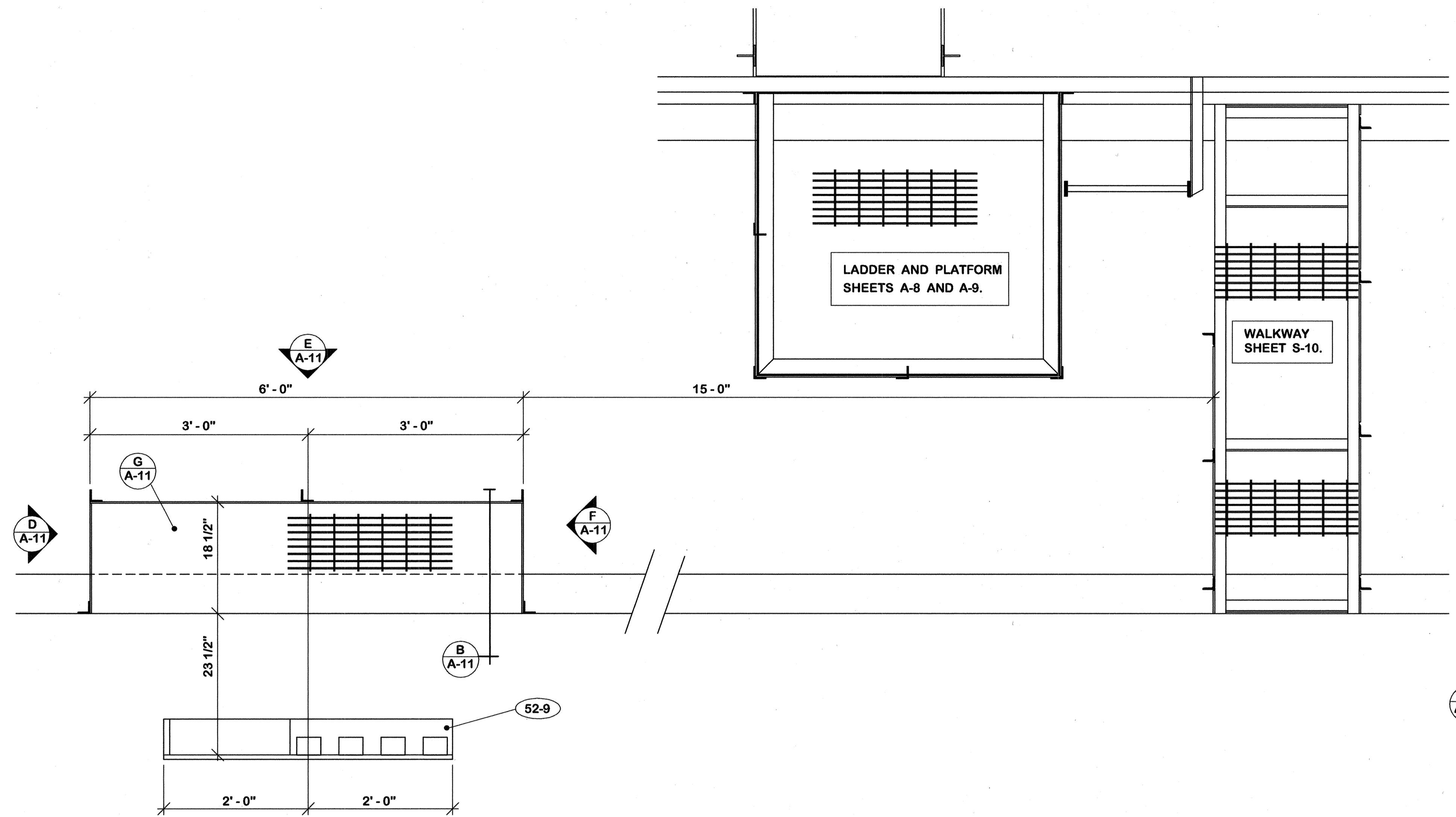
51. STEEL WALKWAY
- 51-A Existing ladder and platform to remain.
 - 51-B All connections to be welded except as shown.
 - 51-1 C 6 x 8.2.
 - 51-2 R-19-4 (1" x 3/16") welded steel grating treads with non-skid nosing.
 - 51-3 2" x 2" x 1/4" angle.
 - 51-4 New 2" x 2" x 1/4" angle post.
 - 51-5 New 2" x 2" x 1/4" angle rail.
 - 51-6 3" x 2" x 1/4" clip angle.
 - 51-7 1/4" x 6" plate.
 - 51-8 3/4" A-325 bolts.
 - 51-9 2" x 1/4" steel bars.
 - 51-10 5/8" X 3 1/2" "RAWL-STUD".

"AS-BUILT" NOTE:
 1. Work shown this drawing was added by Change Order.
 2. Changed total number of drawings to 12.

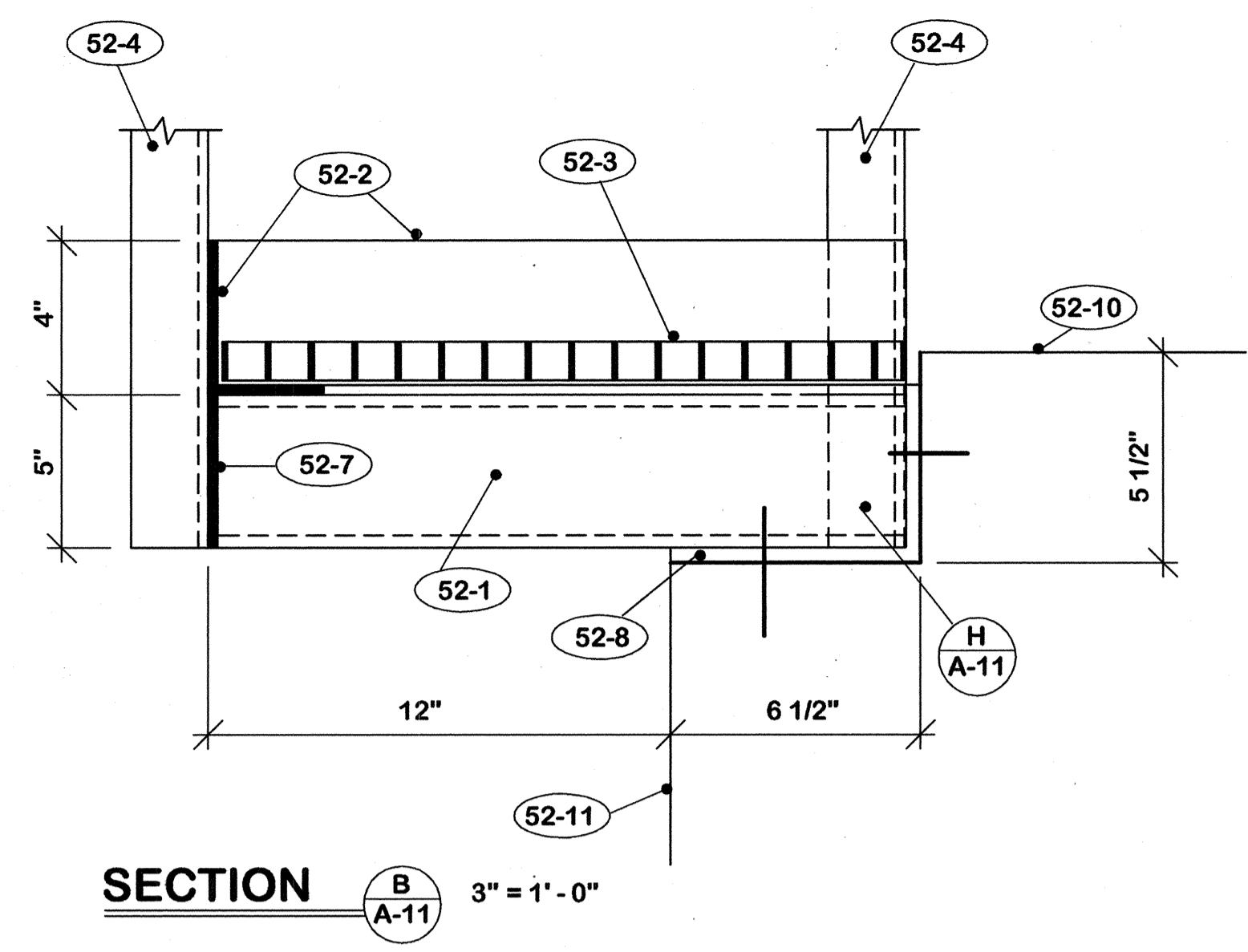
REV.	DATE	DESCRIPTION

REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY		DRAWING NO. A-10
AS BUILT DATE 25 July 2005	STEEL WALKWAY	
DRAWN BY <i>M</i>	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY	
CHECKED BY <i>M</i>	WILLIAM C. MARTIN, P. S. C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY	
A & B FILE 573-75	REVISED DIV. OF ENGR. ENG. FILE NO. FPCC0010	
DATE 15 Dec. 2004	DATE	
AGENCY AUTHORIZED AGENT	DATE	
DIVISION OF ENGINEERING	DATE	

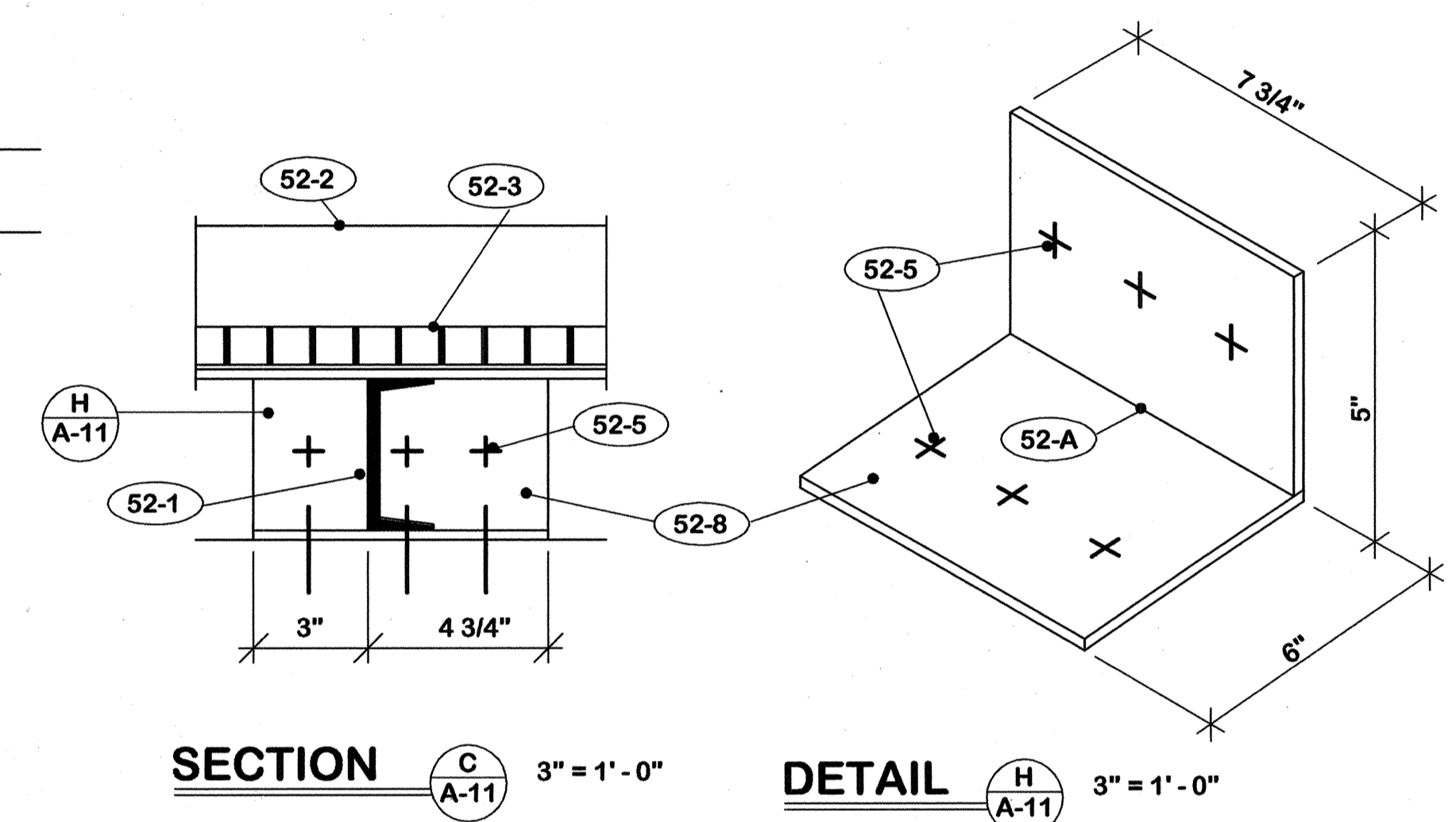
CPA-899C



PLAN 3/4" = 1'-0"



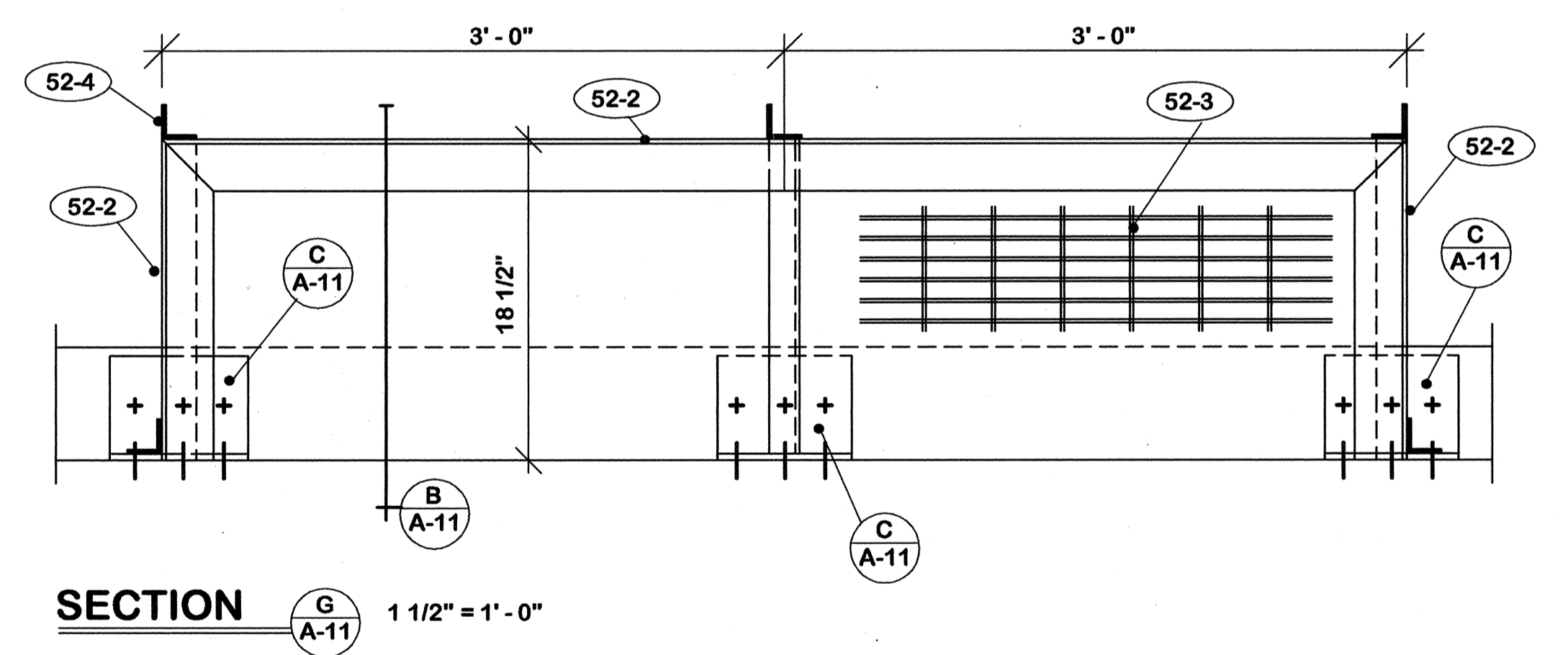
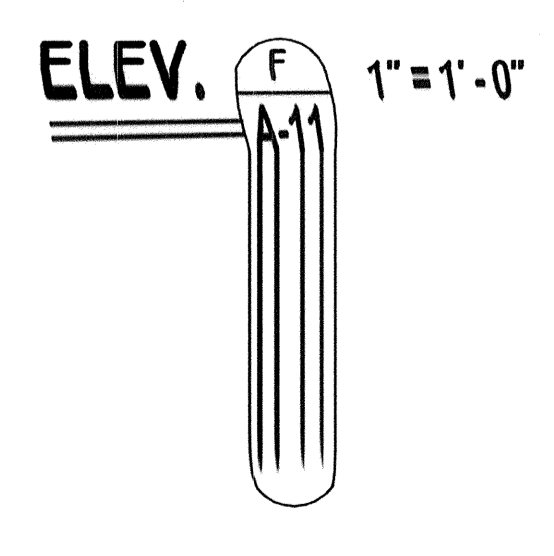
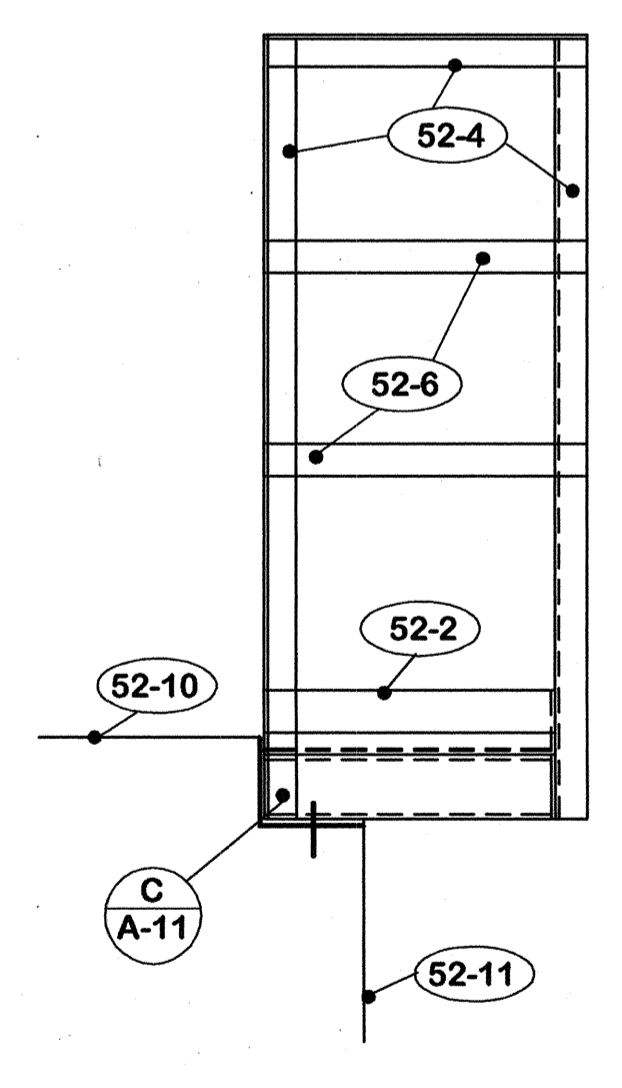
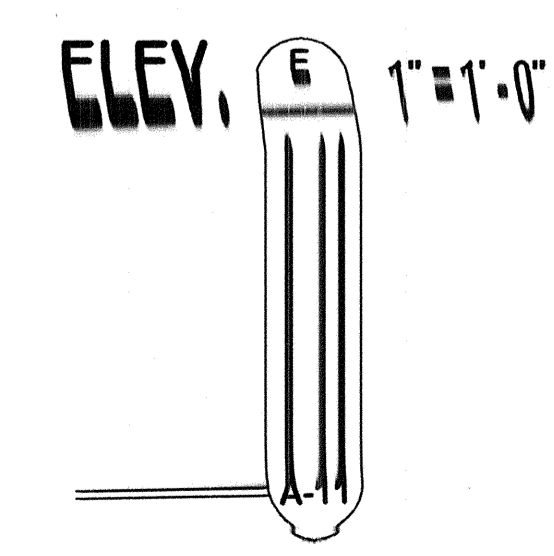
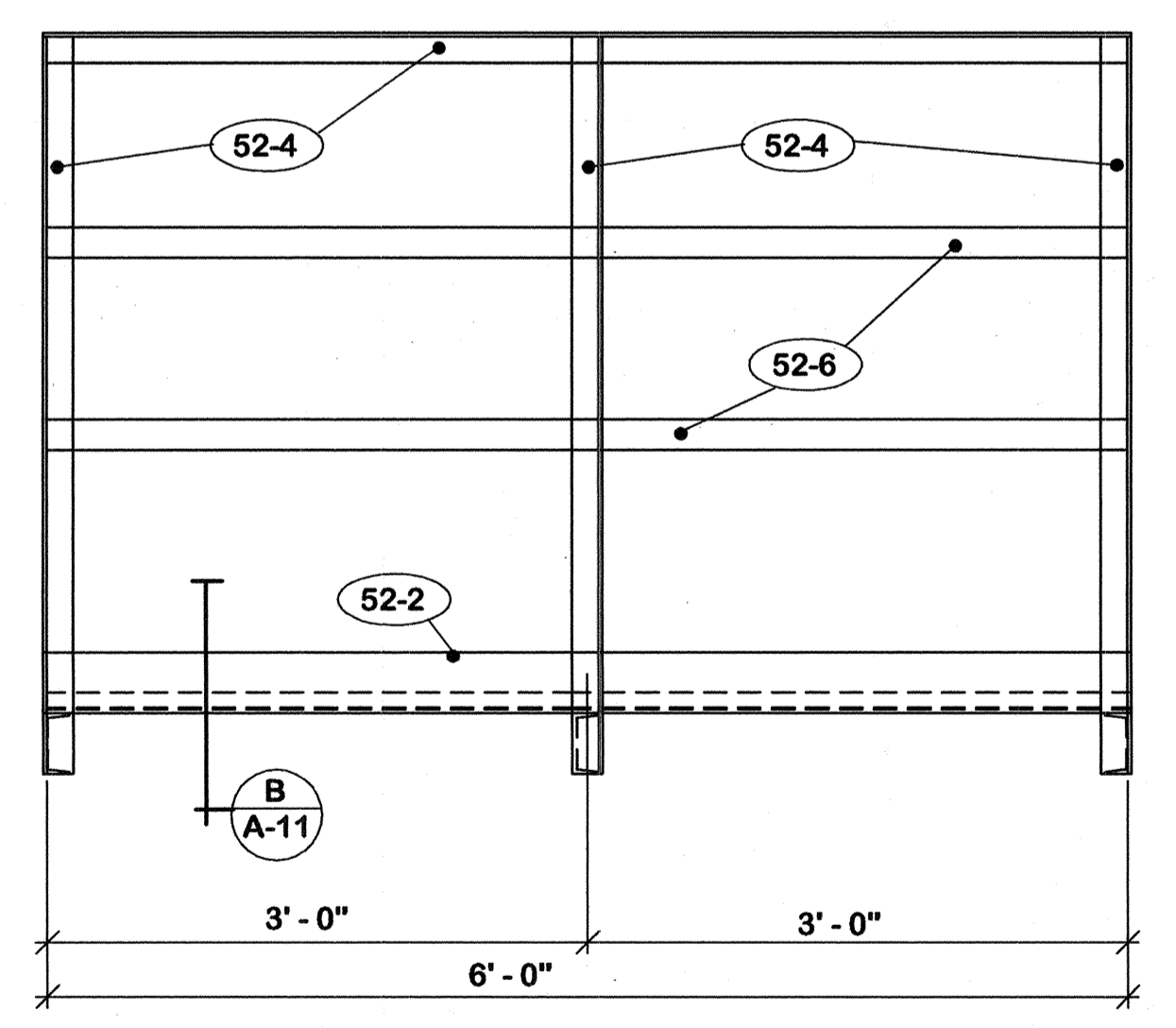
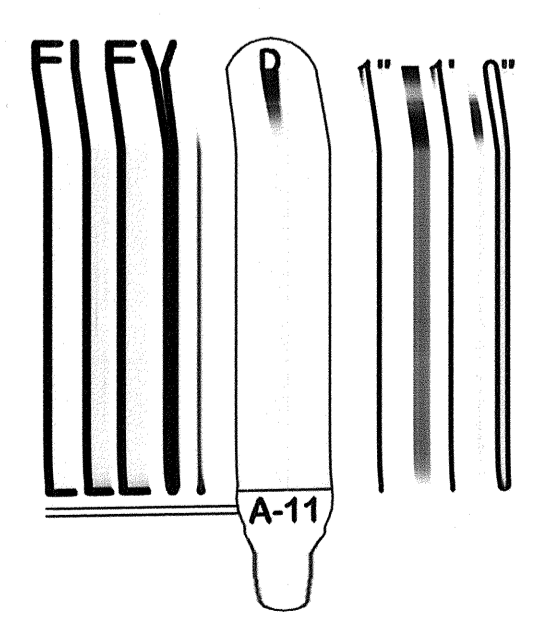
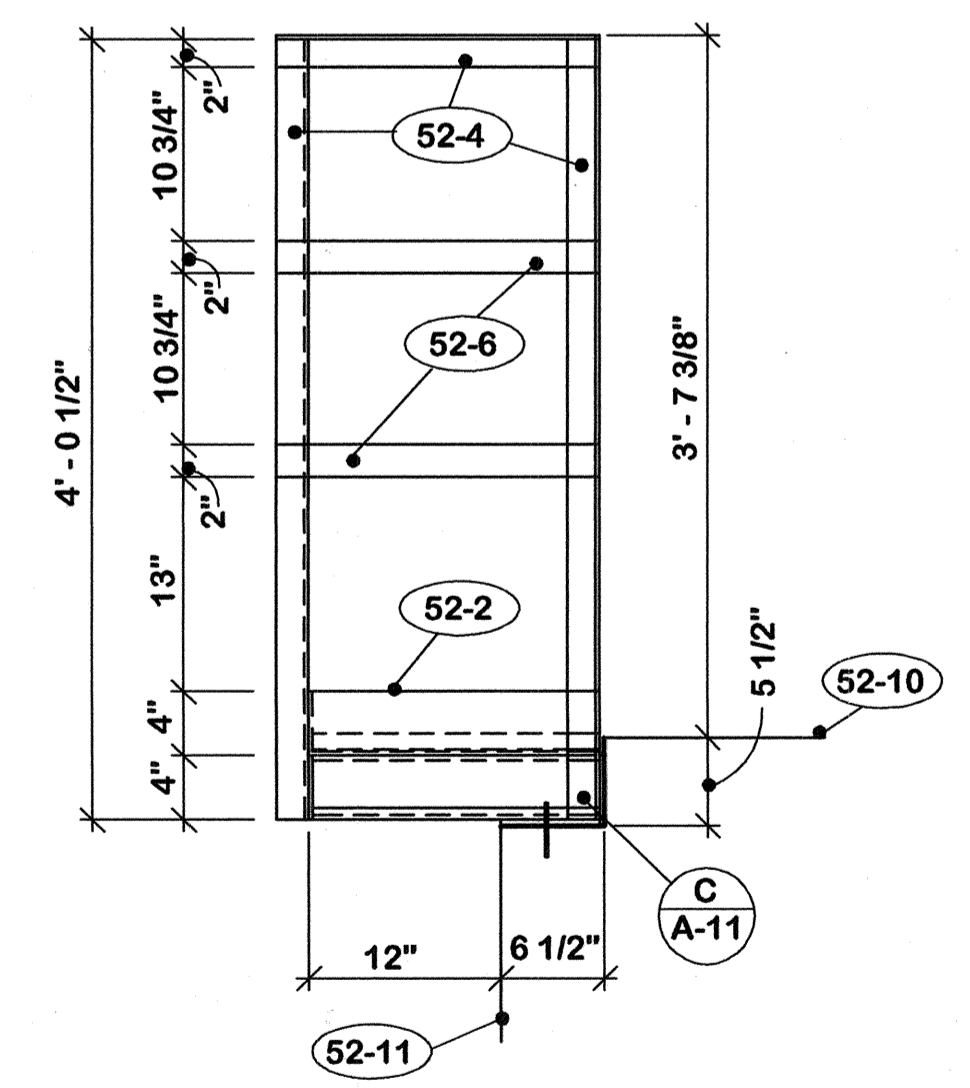
SECTION B-A-11 3" = 1'-0"



SECTION C-A-11 3" = 1'-0"

DETAIL H-A-11 3" = 1'-0"

- 52. ELECT. PANEL PLATFORM**
- 52-A All connections to be welded except as noted.
 - 52-B Verify all dimensions in field prior to fabrication.
 - 52-C Radius all exterior corners.
 - 52-1 C 4 x 5.4.
 - 52-2 4" x 3" x 1/4" angles.
 - 52-3 R-19-4 (1" x 3/16") welded steel grating.
 - 52-4 Angle 2" x 2" x 1/4"
 - 52-5 5/8" x 3 1/2" "Rawl-Stud".
 - 52-6 2' x 1/4" steel bars.
 - 52-7 1/4" x 2 1/2" x 5" plate.
 - 52-8 3/8" plate.
 - 52-9 Existing electrical panel.
 - 52-10 Concrete slab.
 - 52-11 Concrete wall.



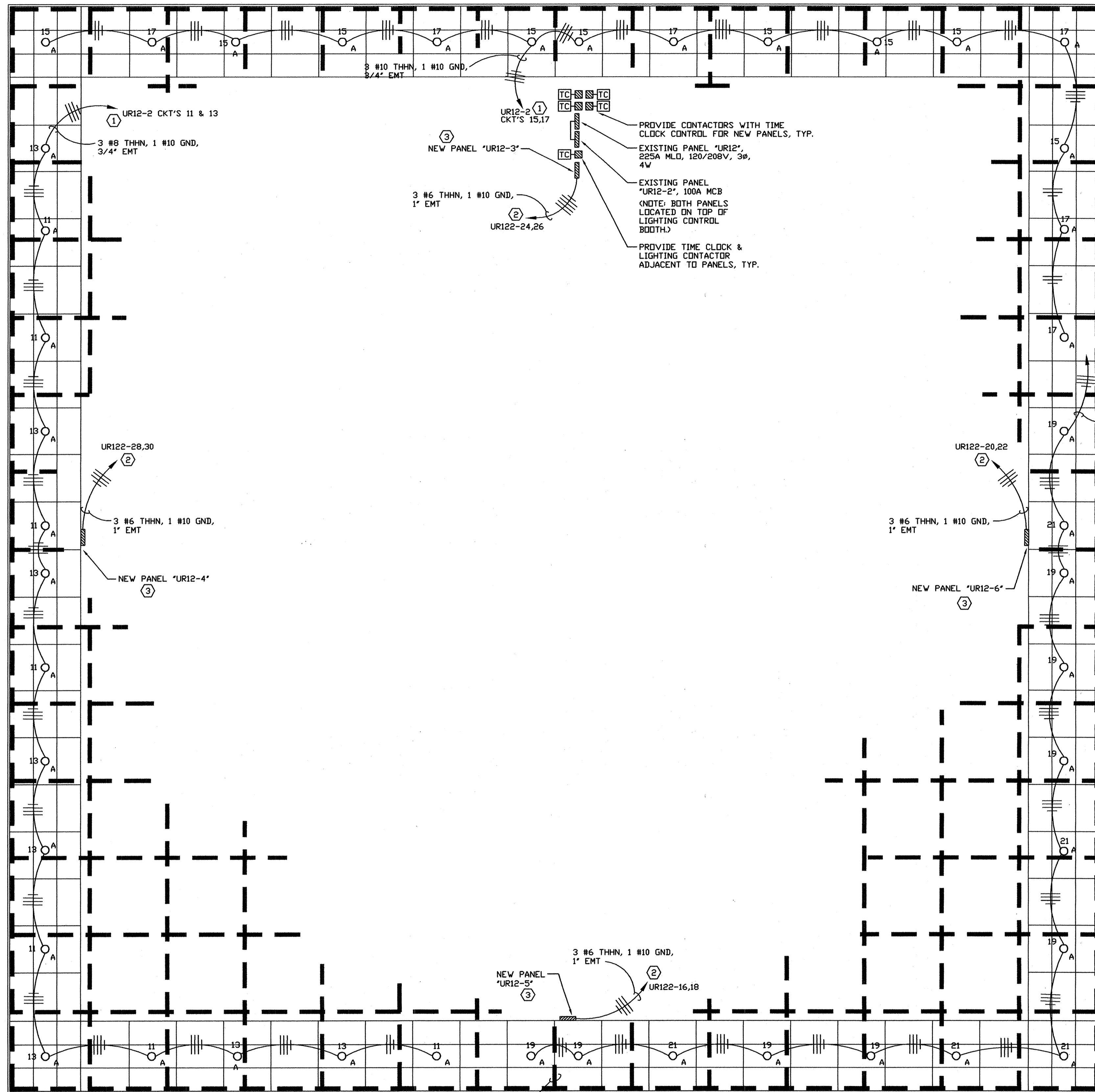
SECTION G-A-11 1 1/2" = 1'-0"

"AS-BUILT" NOTE:

- Work shown this drawing was added by Change Order.
- Changed total number of drawings to 12.

CPA-899D

<table border="1"> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		REV.	DATE	DESCRIPTION				REPLACE ROOF -- CIVIC CENTER FRANKFORT, KENTUCKY									
		REV.	DATE	DESCRIPTION													
<table border="1"> <tr> <td>AS BUILT DATE 25 July 2005</td> <td>DRAWING NO. A-11</td> </tr> <tr> <td>DRAWN BY M</td> <td>OF 12</td> </tr> <tr> <td>CHECKED BY M</td> <td>REVISIONS DIV. OF ENGR.</td> </tr> <tr> <td>A & E FILE 573-75</td> <td>FILE NO. FPCC0010</td> </tr> </table>		AS BUILT DATE 25 July 2005	DRAWING NO. A-11	DRAWN BY M	OF 12	CHECKED BY M	REVISIONS DIV. OF ENGR.	A & E FILE 573-75	FILE NO. FPCC0010	<table border="1"> <tr> <td colspan="2"> ELECTRICAL PANEL PLATFORM </td> </tr> <tr> <td colspan="2"> COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY </td> </tr> <tr> <td colspan="2"> WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY </td> </tr> </table>		ELECTRICAL PANEL PLATFORM		COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY		WILLIAM C. MARTIN, P.S.C. ARCHITECTS-ENGINEERS 620 EUCLID AVENUE LEXINGTON, KENTUCKY	
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<table border="1"> <tr> <td>DATE 17 MAR 2005</td> <td>AGENCY AUTHORIZED AGENT</td> <td>DATE</td> </tr> <tr> <td> </td> <td>DIVISION OF ENGINEERING</td> <td>DATE</td> </tr> </table>		DATE 17 MAR 2005	AGENCY AUTHORIZED AGENT	DATE		DIVISION OF ENGINEERING	DATE	<table border="1"> <tr> <td> </td> <td>APPROVED FOR PROGRAM CONCEPT ONLY</td> <td> </td> </tr> <tr> <td> </td> <td>APPROVED FOR PROGRAM CONCEPT ONLY</td> <td> </td> </tr> </table>			APPROVED FOR PROGRAM CONCEPT ONLY			APPROVED FOR PROGRAM CONCEPT ONLY			
DATE 17 MAR 2005	AGENCY AUTHORIZED AGENT	DATE															
	DIVISION OF ENGINEERING	DATE															
	APPROVED FOR PROGRAM CONCEPT ONLY																
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SOFFIT LIGHTING PLAN
SCALE: 1/16" = 1'-0"

A
E1.01

RECORD DRAWINGS
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LPA-899E

GENERAL SHEET NOTES

- A. CONTRACTOR TO BE RESPONSIBLE FOR ALL FINAL DIMENSIONS.
- B. CONTRACTOR SHALL NOT CUT ANY BUILDING STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- C. CONTRACTOR TO COORDINATE WORK SCHEDULE WITH OTHER TRADES AND OWNER.
- D. CONTRACTOR TO COORDINATE ALL DEMOLITION AND NEW WORK SO AS NOT TO DAMAGE ANY EXISTING OR NEW EQUIPMENT.
- E. CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT PRIOR TO INSTALLING SAME.
- F. ALL WORK AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
- G. CONTRACTOR TO COORDINATE ALL ELECTRICAL CONDUIT AND EQUIPMENT PLACEMENT AND OTHER WORK WITHIN ALL TRADES AND EXISTING CONDITIONS.
- H. THE OWNER WILL RETAIN USE OF THIS FACILITY WHILE ELECTRICAL SYSTEMS ARE BEING INSTALLED.
- I. THIS CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OPENINGS LEFT BY THE REMOVAL OF EQUIPMENT.
- J. THIS CONTRACTOR SHALL CUT, PATCH, SEAL, & PAINT (2 COATS) ALL OPENINGS TO MATCH EXISTING CEILINGS, IF EFFECTED OR DAMAGED BY WORK.

CODED SHEET NOTES:

- ① VIA TIMECLOCK AND LIGHTING CONTACTOR. PROVIDE THREE 20AMP, 1P, C/B'S IN PANEL TO MATCH EXISTING. CONDUITS SHALL BE SUPPORTED TO ROOF STRUCTURAL MEMBERS. LIGHT FIXTURES SHALL BE SUPPORTED FROM ROOF STRUCTURAL MEMBERS WITH #12 GAUGE WIRE ON EACH OF FOUR CORNERS OF FIXTURE HANGER.
- ② PROVIDE 208VOLT, 30AMP, 2P CONTACTOR WITH TIMECLOCK WIRED TO CLOSING COIL CIRCUIT. PROVIDE 30AMP, 2P, C/B IN PANEL TO MATCH EXISTING. CONDUITS AND PANELS SHALL BE SUPPORTED TO STRUCTURAL MEMBERS WITH UNISTRUT BRACING.
- ③ PROVIDE SQUARE D OR EQUAL, MODEL # NODD-424-L100-CU, 120/208V, 3Ø, 4W, 100 AMP MAIN, 30 AMP MCB, 12 POLE SPACES, 12-20 AMP, 1P, C/B'S AS SPARES, SURFACE MOUNTED.

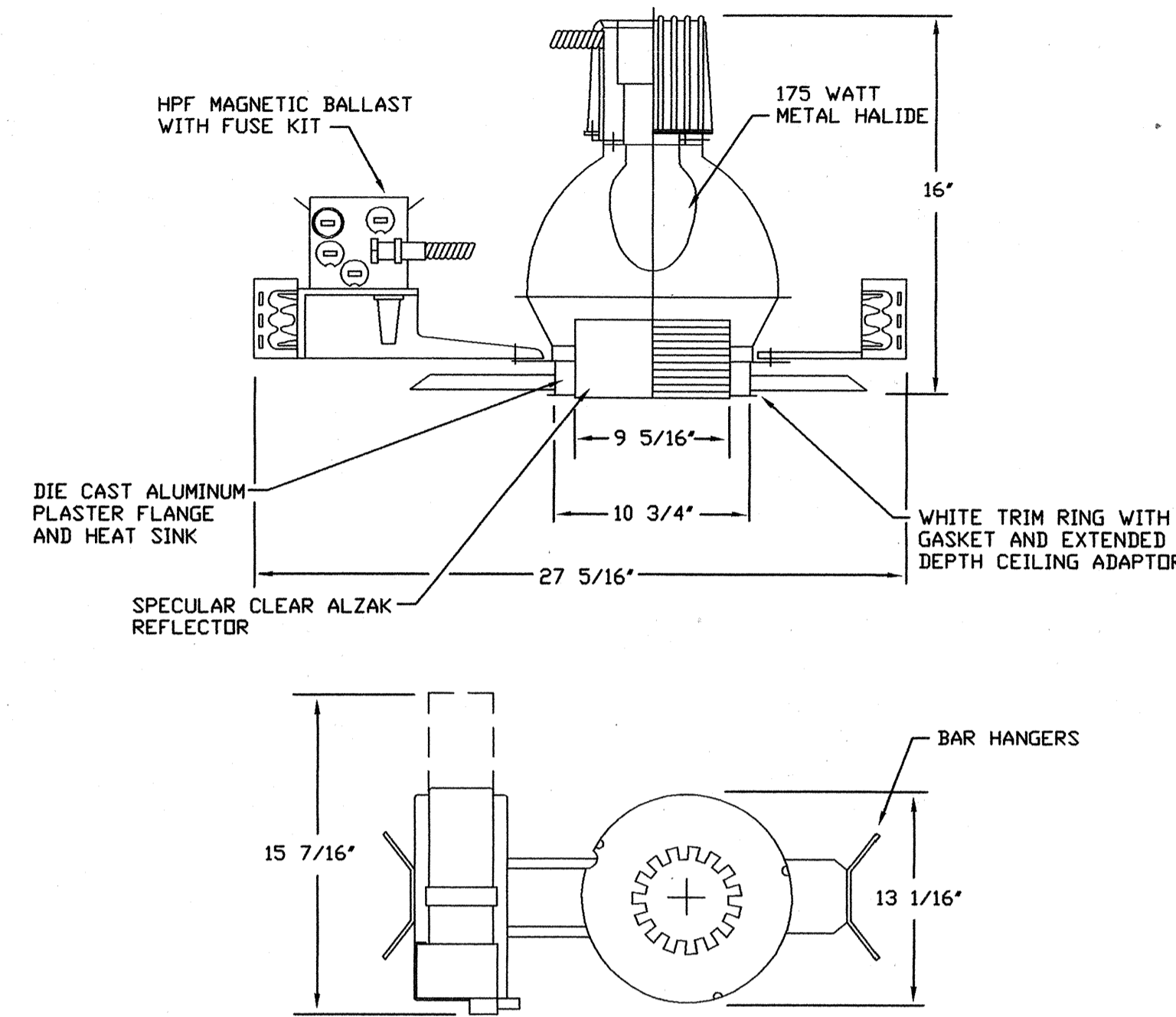
ELECTRICAL SHEET LEGEND

- Ⓛ DUPLEX RECEPTACLE, MOUNT @ 18" AFF TO CENTER. \$ WALL SWITCH
 - Ⓛ DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER, LARGE CLEAR BUBBLE COVER \$3 3-WAY WALL SWITCH
 - Ⓛ DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER, MOUNT @ 18" AFF TO CENTER. \$4 SINGLE GANG WALL DIMMER
 - Ⓛ KEY SWITCH \$5 KEY SWITCH
 - Ⓛ MOTOR RATED STARTER SWITCH \$6 MOTOR RATED STARTER SWITCH
 - Ⓛ ELECTRICAL JUNCTION BOX
- ELECTRICAL DISCONNECT SWITCH A/V/P/H
DENOTES AMPS, VOLTS, PHASE, HERTZ.
NEMA 1 UNLESS OTHERWISE NOTED.

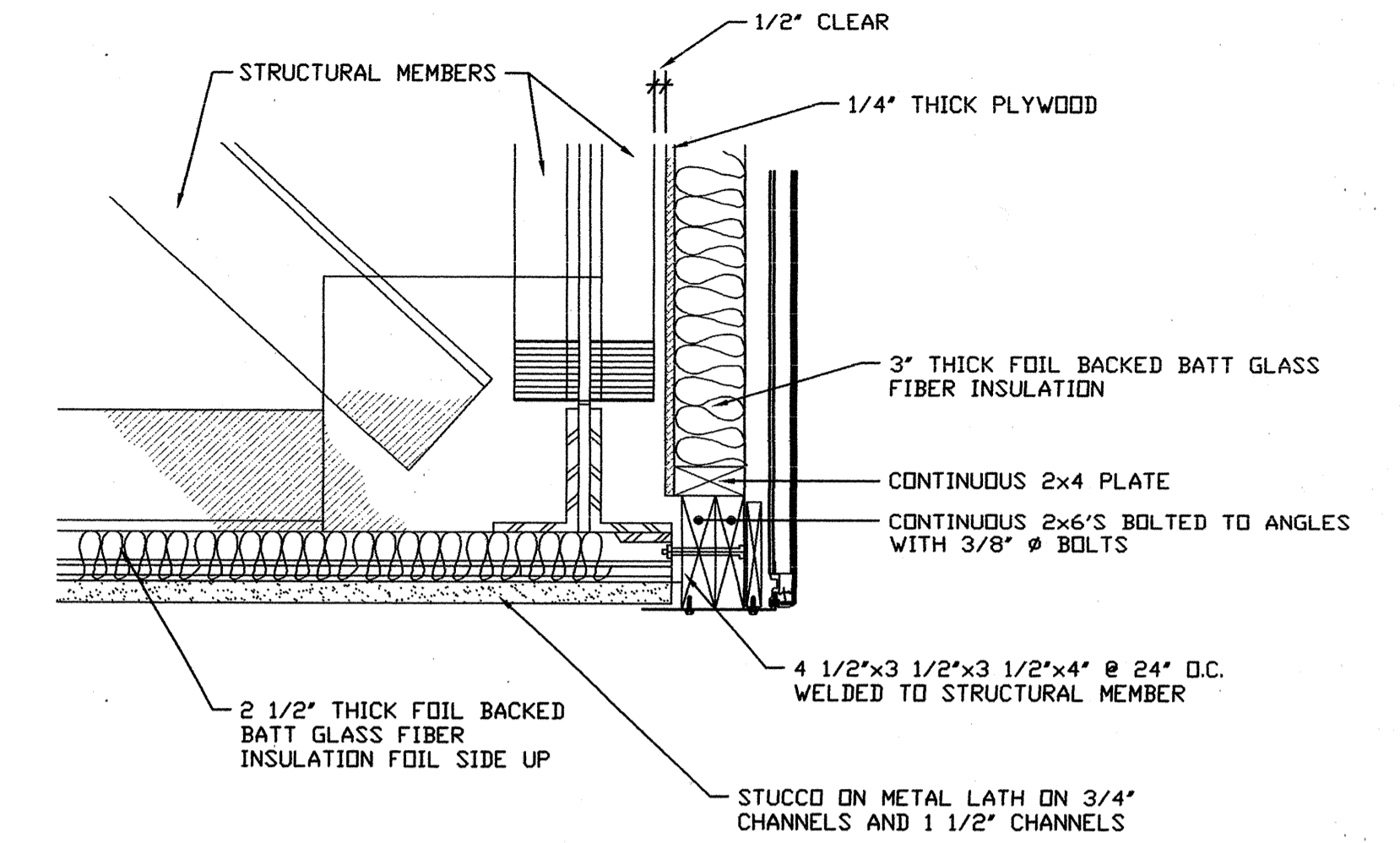
PANEL	VOLTAGE	UR12-2	MOUNTING	SURFACE	AIC	10,000	LOCATION	ELECTRICAL MEZZANINE					
								PHASE	WIRE	4	70	MAIN CIRCUIT BREAKER	70A
1	20/3	12,3/4		A/C UNIT	1	1.6	1.6	0.0	2	MAIN	70/3	2	
3					3	1.6	1.6	0.0	4			4	
5					5	1.6	1.6	0.0	6			6	
7	20/1	12,3/4		FURNACE/AIR HANDLER	7	1.2	2.4	1.2	8	FROSTY/ ROOF	12,3/4	20/1	
9	20/1	12,3/4		FURNACE/AIR HANDLER	9	1.2	2.4	1.2	10	FROSTY/ ROOF	12,3/4	20/1	
11	20/1	8,3/4		SOFFIT (WEST)	11	1.8		3.0	12	SPACE		20/1	
13	20/1	8,3/4		SOFFIT (SOUTHWEST)	13	1.8	3.6	1.8	14	SPACE		20/1	
15	20/1	8,3/4		SOFFIT (NORTH)	15	1.8	3.8	2.0	16	PANEL UR12-5	6,1	30/2	
17	20/1	8,3/4		SOFFIT (NORTHEAST)	17	1.8		3.8	2.0	18		18	
19	20/1	8,3/4		SOFFIT (SOUTH)	19	1.8	3.8	2.0	20	PANEL UR12-6	6,1	30/2	
21	20/1	8,3/4		SOFFIT (SOUTHEAST)	21	1.8	3.8	2.0	22			22	
23	20/1	12,3/4		TIME CLOCK	23	0.0		2.0	24	PANEL UR12-3	6,1	30/2	
25	20/1			SPACE	25	0.0	2.0	2.0	26			26	
27	20/1			SPACE	27	0.0	2.0	2.0	28	PANEL UR12-4	6,1	30/2	
29	20/1			SPACE	29	0.0	2.0	2.0	30			30	
31					31	0.0			32			32	
33					33				34			34	
35					35		0.0	0.0	35			35	
37					37		0.0		38			38	
39					39		0.0		40			40	
41					41			0.0	42			42	
						13.4	13.6	12.4					
TOTAL CONNECTED					39.4	KVA	DEMAND LOAD		31.52	KVA	BUSSING		COPPER ONLY

REVISIONS	DATE	REPLACE ROOF CIVIC CENTER FRANKFORT, KENTUCKY	
1		Record DATE	DRAWING NO.
2		DRAWN BY	E1.01
3		STAFF	
4		CHECKED BY	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY
5		WGW	
6		DATE	E-TECH CONSULTANTS, PLLC CONSULTING ENGINEERS 118 OLD LAFAYETTE AVENUE LEXINGTON, KENTUCKY 40502
7		JULY 2004	
8		AGENCY AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY
9		DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY

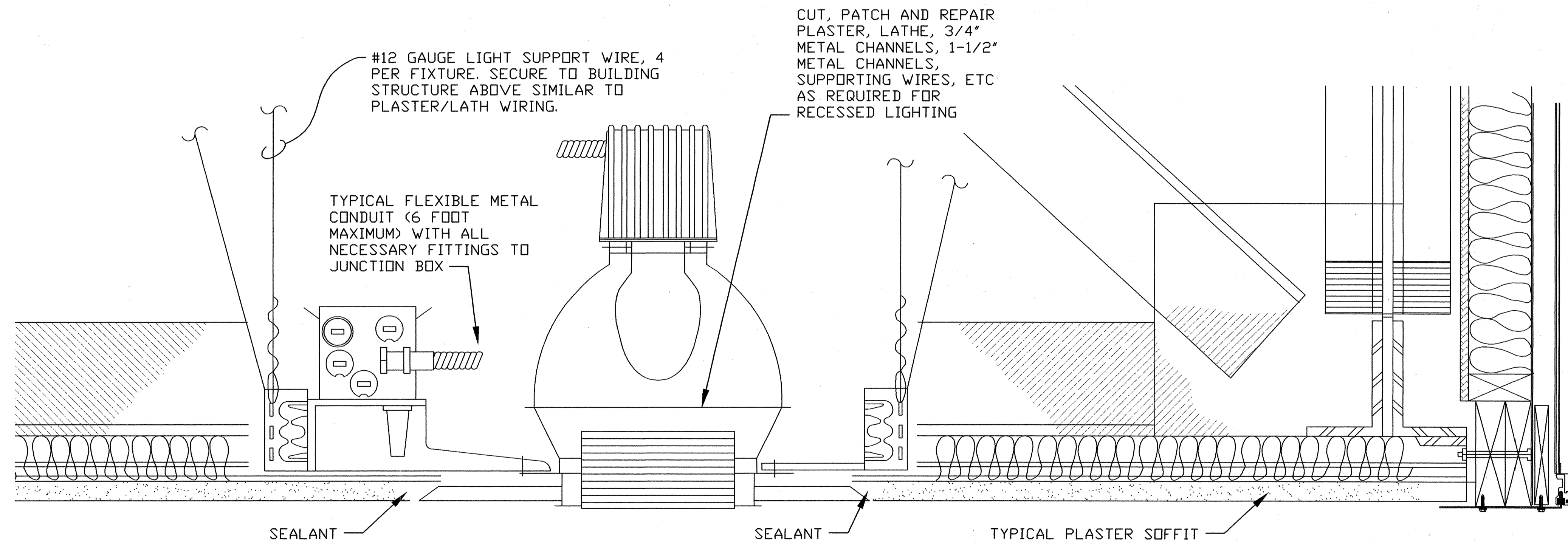
LIGHT FIXTURE SCHEDULE							
TYPE	SYMBOL	MANUFACTURER	MODEL NUMBER	VOLTS	QUA.-LAMP	DESCRIPTION	REMARKS
A	○	PRESCOLITE	1061-M9-FSDFA-175MHFE-836L-WT-TRG-B6-SCA10	120	(1) 175W METAL HALIDE	10" ELLIPSOIDAL METAL HALIDE DOWNLIGHT, UL LISTED, DAMP LOCATION, RECESSED WHITE TRIM RING, FUSE KIT, EXTENDED DEPTH CEILING ADAPTER, SPECULAR CLEAR ALZAK REFLECTOR, OPEN	SEE DETAILS FOR MOUNTING REQUIREMENTS. PROVIDE (1) 175W MH E/B1-28 LAMP. BALANCE LAMPS EQUALLY AMONG ALL THREE PHASES.



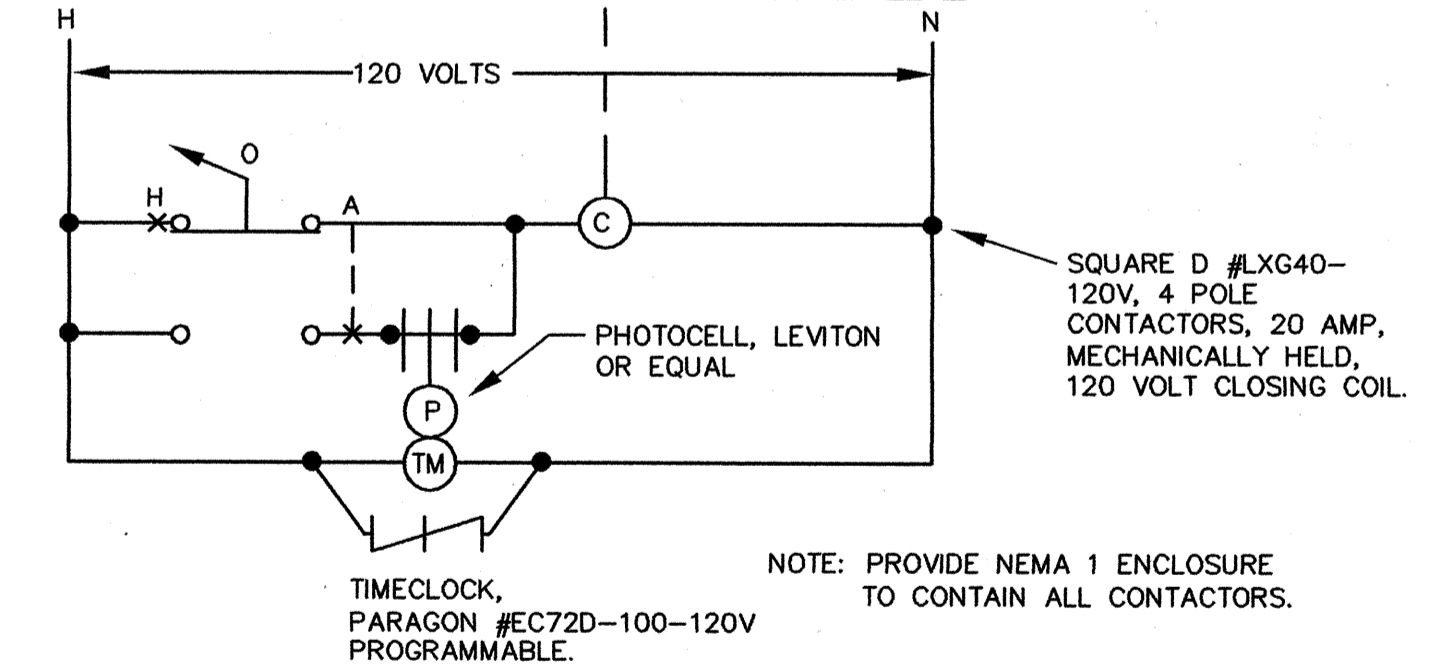
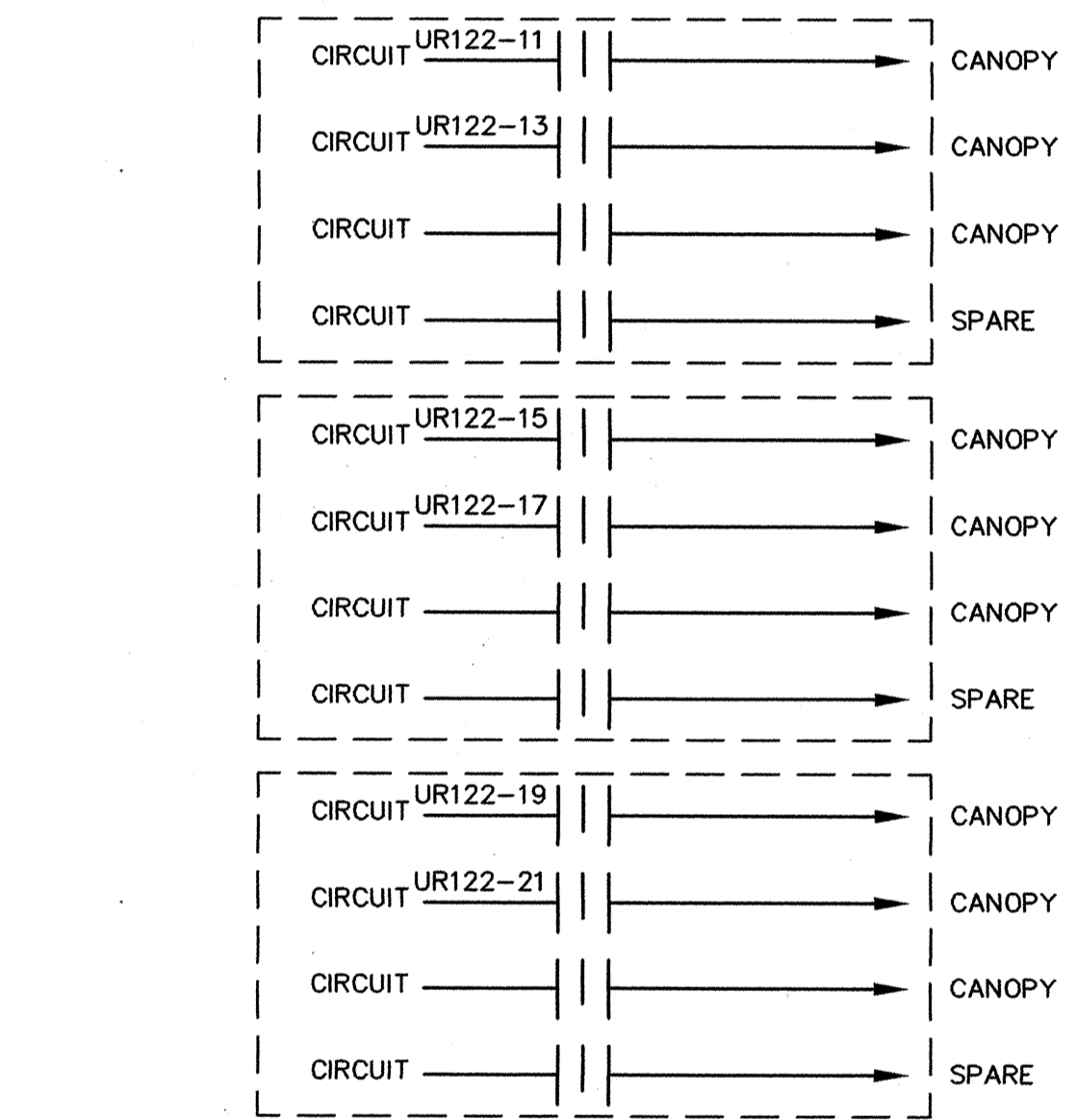
RECESSED SOFFIT LIGHT FIXTURE DETAIL (A)
SCALE: N.T.S. E1.02



EXISTING SOFFIT DETAIL (B)
SCALE: N.T.S. E1.02



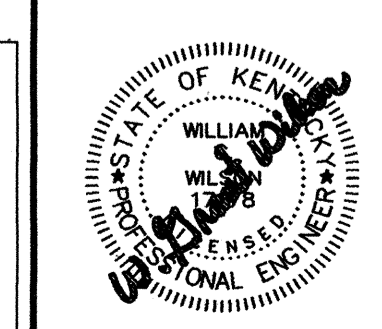
SOFFIT LIGHTING DETAIL (C)
SCALE: 3" = 1'-0" E1.02



TIME CLOCK/CONTACTOR DETAIL (D)
SCALE: N.T.S. E1.02

RECORD DRAWINGS
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REVISIONS	DATE	REPLACE ROOF CIVIC CENTER FRANKFORT, KENTUCKY	
1		Record DATE	ELECTRICAL DETAILS
2		DRAWN BY STAFF	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES MANAGEMENT DIVISION OF ENGINEERING FRANKFORT, KENTUCKY
3		CHECKED BY GWV	
4		DATE JULY 2004	E-TECH CONSULTANTS, PLLC CONSULTING ENGINEERS 118 OLD LAFAYETTE AVENUE LEXINGTON, KENTUCKY 40502
5		AGENCY AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY
6		DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY



CPA-899F

SECTION 16000 - ELECTRICAL GENERAL PROVISIONS

- PART 1 GENERAL
1.1 WORK INCLUDED
A. PROVIDE LABOR, EQUIPMENT, MATERIALS, SUPPLIES AND COMPONENTS...
1.2 QUALITY ASSURANCE
A. MINIMUM STANDARDS FOR ALL ELECTRICAL WORK SHALL BE LATEST REVISION OF NATIONAL ELECTRICAL CODE (NEC)...

SECTION 16050 - BASIC ELECTRICAL MATERIALS AND METHODS

- PART 1 GENERAL
1.1 SUMMARY
A. THIS SECTION INCLUDES THE FOLLOWING:
1. SUPPORTING DEVICES FOR ELECTRICAL COMPONENTS.
1.2 QUALITY ASSURANCE
A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES...
PART 2 - PRODUCTS
2.1 SUPPORTING DEVICES
A. MATERIAL - COLD-FORMED STEEL, WITH CORROSION-RESISTANT COATING...
PART 3 - EXECUTION
3.1 ELECTRICAL EQUIPMENT INSTALLATION
A. HEADROOM MAINTENANCE...
3.2 ELECTRICAL SUPPORTING DEVICE APPLICATION
A. DRY LOCATIONS: STEEL MATERIALS.
3.3 SUPPORT INSTALLATION
A. INSTALL SUPPORT DEVICES TO SECURELY AND PERMANENTLY FASTEN AND SUPPORT ELECTRICAL COMPONENTS.

SECTION 16100 - CONDUIT AND RACEWAYS

- PART 1 GENERAL
1.1 WORK INCLUDED
A. PROVIDE LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR PROPER AND COMPLETE INSTALLATION OF ELECTRICAL RACEWAYS.
B. THE REQUIREMENTS OF THIS SECTION APPLY TO ELECTRICAL RACEWAY WORK SPECIFIED ELSEWHERE IN THESE SPECIFICATIONS.
C. DO NOT INSTALL ANY CONDUITS IN ELEVATOR SHAFTS...
D. SIZE MAIN TRUNK CONDUITS AND RACEWAY FOR 90% FILL...
PART 2 - PRODUCTS
2.1 CONDUIT REQUIREMENTS
A. PROVIDE ASSEMBLY OF CONDUIT, TUBING OR DUCT, AND FITTINGS FOR EACH ELECTRICAL RACEWAY SYSTEM INDICATED INCLUDING, BUT NOT NECESSARILY LIMITED TO, CONNECTORS, COUPLINGS, OFFSETS, ELBOWS, STRAPS, BUSHINGS, EXPANSION JOINTS, HANGERS, AND OTHER COMPONENTS AND ACCESSORIES NEEDED FOR A COMPLETE SYSTEM.
B. PROVIDE METAL CONDUIT, TUBING AND FITTINGS OF TYPES, GRADES, SIZES AND WEIGHTS (WALL THICKNESSES) FOR EACH SERVICE INDICATED...
C. MINIMUM SIZE: 3/4 INCH UNLESS OTHERWISE NOTED...
D. DIE-CAST ZINC-ALLOY FITTINGS AND FITTINGS MADE OF INFERIOR MATERIALS...
PART 3 - EXECUTION
3.1 INSTALLATION
A. INSTALL CONDUIT, TUBING AND DUCT PRODUCTS AS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS...
B. CONDUIT SUPPORTS
1. PROVIDE INDIVIDUAL PIPE HANGERS, MULTIPLE (TRAPEZE) PIPE HANGERS, AND RISER CLAMPS AS NECESSARY TO SUPPORT CONDUITS...
2. ALL EMT AND CONDUITS SHALL BE SECURELY AND INDEPENDENTLY SUPPORTED SO THAT NO STRAIN WILL BE TRANSMITTED TO OUTLET BOX AND PULL BOX SUPPORTS...
3. HANGERS AND CONDUIT SUPPORTS SHALL NOT UTILIZE OR DEPEND UPON THE SUPPORT SYSTEMS OF OTHER TRADES...
4. SUPPORT INDIVIDUAL HORIZONTAL CONDUITS BY ONE HOLE PIPE STRAPS OR SEPARATE PIPE HANGERS FOR SIZES 1-1/2 INCH AND SMALLER...
C. UNLESS OTHERWISE SPECIFIED OR INDICATED ON DRAWINGS, ALL CONDUIT AND EMT MAY BE RUN EXPOSED ON UNFINISHED WALLS, UNFURRED BASEMENT CEILINGS, IN PENHOUSES, AND ATTIC SPACES UNLESS OTHERWISE NOTED.
D. EMERGENCY POWER CIRCUITS SHALL BE INSTALLED IN SEPARATE RACEWAY SYSTEM FROM REMAINDER OF ELECTRICAL SYSTEM...
3.2 CONDUIT CONCEALED ABOVE FINISHED CEILING
A. CONDUITS LESS THAN 2 INCH DIAMETER SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES.
B. CONDUIT, INCLUDING BRANCH CIRCUITS AND CONDUIT FEEDING CEILING LIGHTING SHALL NOT BE SUPPORTED BY THE SUSPENDED CEILING OR ITS SUPPORTING MEMBERS...
C. RECESSED LIGHTING FIXTURES SHALL BE CONNECTED TO CONDUIT RUNS WITH NOT OVER SIX FEET OF FLEXIBLE METAL CONDUIT EXTENDING FROM A JUNCTION BOX TO THE FIXTURE.
END OF SECTION

SECTION 16120 - CABLE, WIRE AND CONNECTORS

- PART 1 GENERAL
1.1 WORK INCLUDED
A. PROVIDE LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR PROPER AND COMPLETE INSTALLATION OF CABLE, WIRE AND CONNECTORS.
B. REQUIREMENTS OF THIS SECTION APPLY TO CABLE AND WIRE WORK SPECIFIED ELSEWHERE IN THESE SPECIFICATIONS.
PART 2 - PRODUCTS
2.1 BUILDING WIRE
A. PROVIDE FACTORY-FABRICATED CABLE, WIRE AND CONNECTORS OF SIZES, RATINGS, MATERIALS AND TYPES INDICATED FOR EACH SERVICE...
B. USE SINGLE CONDUCTOR ANNEALED COPPER TYPE FOR ALL WIRES AND CABLES FOR SECONDARY SERVICE...
C. USE NO. 12 AWG OR NO. 10 AWG SOLID CONDUCTOR FOR BRANCH CIRCUIT WIRING CONNECTED TO RECEPTACLES, LIGHTING SWITCHES AND SNAP SWITCHES.
D. USE MINIMUM 90 DEGREE C RATED INSULATION UNLESS SPECIFIED OTHERWISE...
E. USE 600 VOLT INSULATION RATING UNLESS SPECIFIED OR INDICATED OTHERWISE...
PART 3 - EXECUTION
3.1 INSTALLATION
A. PROVIDE COMPLETE WIRING FROM POINT OF SERVICE CONNECTION TO ALL RECEPTACLES, LIGHTING FIXTURES, DEVICES, UTILIZATION EQUIPMENT AND OUTLETS FOR FUTURE EXTENSIONS...
B. UNLESS OTHERWISE INDICATED, INSTALL ALL WIRING IN RIGID METAL CONDUIT, ELECTRIC METALLIC TUBING, OR FLEXIBLE METALLIC CONDUIT AS SPECIFIED OR INDICATED ON DRAWINGS.
C. INSTALL ELECTRICAL CABLE, WIRE AND CONNECTORS AS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS...
D. USE PULLING COMPOUND OR LUBRICANT, WHEN NECESSARY...
E. COLOR CODE: ALL SECONDARY SERVICE, FEEDER AND BRANCH CIRCUIT CONDUCTORS THROUGHOUT PROJECT AS FOLLOWS:
PHASE 120/208V VOLTS 277/480V VOLTS
A BLACK BROWN
B RED BRN/WH
C BLUE BLUE
NEUTRAL WHITE WHITE
GROUND GREEN GREEN
F. INSULATION ON SIZES 8 AWG AND SMALLER SHALL BE COLOR-CODED...
G. NEATLY TRAIN AND LACE WIRING INSIDE BOXES, EQUIPMENT AND PANELBOARDS.
H. ALL CONDUCTORS NO. 10 AND SMALLER LOCATED IN BRANCH CIRCUIT PANELBOARDS, SIGNAL CABINETS, SIGNAL CONTROL BOARDS, SWITCHBOARDS AND MOTOR CONTROL CENTERS SHALL BE NEATLY AND SECURELY BUNDLED...
I. PLACE AN EQUAL NUMBER OF CONDUCTORS FOR EACH PHASE OF A CIRCUIT IN SAME RACEWAY OR CABLE...
J. NOT MORE THAN ONE MULTI-WIRE OR THREE CIRCUITS SHALL BE INSTALLED IN EACH RACEWAY UNLESS NOTED OTHERWISE ON PLANS...
K. NOT MORE THAN ONE 120 OR 277 VOLT BRANCH CIRCUIT SHALL BE SERVED WITH A COMMON NEUTRAL...
L. DO NOT INSTALL WIRE IN RACEWAY UNTIL INTERIOR OF BUILDING HAS BEEN PHYSICALLY PROTECTED FROM THE WEATHER...
M. ALL CONDUCTORS SHALL BE PERMANENTLY TAGGED BY CIRCUIT NUMBER OR TERMINAL NUMBER...
N. MINIMUM WIRE SIZE FOR REMOTE D.C. EMERGENCY LAMPS SHALL BE NO. 10 AWG...
3.2 CABLE INSTALLATION
A. PROVIDE PROTECTION FOR EXPOSED CABLES WHERE SUBJECT TO DAMAGE.
B. SUPPORT CABLES ABOVE ACCESSIBLE CEILINGS...
C. USE SUITABLE CABLE FITTINGS AND CONNECTORS...
D. PROVIDE CONDUIT SLEEVES WITH BUSHINGS AT ALL WALL PENETRATIONS.
E. MAINTAIN SEPARATION OF CABLES FROM PARALLEL POWER CONDUIT OR HOT PIPING SYSTEMS AND DUCTS.
F. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR PULLING TENSION...
3.3 WIRING CONNECTIONS AND TERMINATIONS
A. SPLICE ONLY IN ACCESSIBLE JUNCTION BOXES AND USE SPLICE AND TAP CONNECTORS WHICH ARE COMPATIBLE WITH CONDUCTOR MATERIAL.
B. SPLICES IN NO. 8 AWG AND SMALLER SHALL BE MADE WITH SPRING PRESSURE, INSULATED WIRE NUT CONNECTOR...
END OF SECTION

SECTION 16130 - ELECTRICAL ENCLOSURES, BOXES AND FITTINGS

- PART 1 GENERAL
1.1 WORK INCLUDED
A. PROVIDE LABOR, MATERIALS, EQUIPMENT, AND SERVICES FOR PROPER AND COMPLETE INSTALLATION OF ELECTRICAL BOXES AND FITTINGS...
B. EXTENT OF ELECTRICAL BOX AND ELECTRICAL FITTING WORK IS INDICATED BY DRAWINGS AND SCHEDULES...
PART 2 - PRODUCTS
2.1 INTERIOR OUTLET BOXES
A. PROVIDE GALVANIZED PRESSED STEEL INTERIOR OUTLET WIRING BOXES...
B. INTERIOR OUTLET BOX ACCESSORIES...
C. CEILING LIGHT OUTLET BOXES SHALL BE STANDARD 4" OCTAGONAL...
PART 3 - EXECUTION
3.1 INSTALLATION
A. INSTALL ELECTRICAL BOXES AND FITTINGS AS INDICATED, OR IN COMPLIANCE WITH NEC REQUIREMENTS...
END OF SECTION
SECTION 16140 - WIRING DEVICES
PART 1 GENERAL
1.1 WORK INCLUDED
A. PROVIDE LABOR, MATERIAL, EQUIPMENT AND SERVICES FOR PROPER AND COMPLETE INSTALLATION OF WIRING DEVICES.
PART 2 - PRODUCTS
2.1 MATERIAL
A. PROVIDE FACTORY-FABRICATED WIRING DEVICES...
2.2 SWITCHES
A. PROVIDE GENERAL-DUTY FLUSH TOGGLE SWITCHES...
2.3 COVERPLATES
A. PROVIDE SWITCH AND OUTLET WALL PLATES FOR WIRING DEVICES...
PART 3 - EXECUTION
3.1 INSTALLATION
A. INSTALL WIRING DEVICES WHERE INDICATED, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS...

SECTION 16450 - ELECTRICAL GROUNDING

- PART 1 GENERAL
1.1 WORK INCLUDED
A. PROVIDE LABOR, MATERIAL, EQUIPMENT AND SERVICES FOR PROPER AND COMPLETE ELECTRICAL GROUNDING SYSTEM...
1.2 SYSTEM DESCRIPTION
A. SIZE REQUIRED EQUIPMENT GROUNDING CONDUCTORS IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE...
1.4 QUALITY ASSURANCE
A. COMPLY WITH NFPA NO. 70, NATIONAL ELECTRICAL CODE...
PART 2 - PRODUCTS
2.1 MATERIALS
A. ELECTRICAL CABLE, WIRE, CONNECTORS, CLAMPS, AND RACEWAY WORK ARE SPECIFIED IN APPLICABLE DIVISION 16 SECTIONS.
PART 3 - EXECUTION
3.1 INSTALLATION
A. INSTALL ELECTRICAL GROUNDING SYSTEMS, IN ACCORDANCE WITH APPLICABLE PORTIONS OF NATIONAL ELECTRICAL CODE...
END OF SECTION

SECTION 16500 - LIGHTING SYSTEMS

- PART 1 GENERAL
1.1 WORK INCLUDED
A. PROVIDE MATERIAL, EQUIPMENT, LABOR AND SERVICES NECESSARY FOR PROPER AND COMPLETE INSTALLATION OF A LIGHTING SYSTEM.
B. WORK INCLUDED UNDER THIS SECTION:
(1) INTERIOR LIGHT FIXTURES
(2) LAMPS
(3) BALLASTS
PART 2 - PRODUCTS
2.1 LIGHT FIXTURES:
1. LITHONIA
2. HUBBELL
3. HOLIDPHANE
4. DAYBRITE
B. LIGHT FIXTURES SHALL CONSIST OF, BUT NOT BE LIMITED TO LAMPS, LAMPHOLDERS, REFLECTORS, BALLASTS, STARTERS, AND WIRING.
2.2 LAMPS:
A. PROVIDE NEW LAMPS IN ALL FIXTURES AS MANUFACTURED BY GENERAL ELECTRIC, PHILLIPS, OR WESTINGHOUSE...
2.3 BALLASTS:
A. FLUORESCENT BALLASTS
1. BALLAST SHALL BE HIGH PERFORMANCE ELECTRONIC TYPE TO OPERATE AT A FREQUENCY OF 20 KHZ OR HIGHER...
2. BALLASTS SHALL HAVE AN "A" SOUND RATING...
3. SECURELY FASTEN BALLASTS IN PLACE WITH MOUNTING SURFACE OF BALLAST MAKING AS COMPLETE CONTACT WITH SURFACE OF BALLAST MOUNTING AREA OF FIXTURE AS PRACTICAL...

PART 3 - EXECUTION

- 3.1 INSTALLATION
A. DELIVER LIGHTING FIXTURES INDIVIDUALLY WRAPPED IN FACTORY-FABRICATED FIBERBOARD TYPE CONTAINERS.
B. HANDLE FIXTURES CAREFULLY TO PREVENT BREAKAGE, DENTING AND SCORING OF FIXTURE FINISHES...
C. STORE LIGHTING FIXTURES IN A CLEAN, DRY SPACE...
D. EXIT AND EMERGENCY/NIGHT LIGHT LUMINAIRES SHALL BE CONNECTED TO UNSWITCHED CIRCUITS WITH EMERGENCY POWER FROM THE EMERGENCY GENERATOR CIRCUITS.
E. SET LIGHTING FIXTURES AND EQUIPMENT PLUMB, SQUARE, AND LEVEL AND SECURE TO STRUCTURAL SUPPORT MEMBERS OF BUILDING...
F. INSTALL RECESSED FLUORESCENT FIXTURES WITH FLEXIBLE METALLIC CONDUIT OF APPROXIMATELY 6 FEET IN LENGTH...
G. CLEAN INTERIOR OF LIGHTING FIXTURES OF DIRT AND DEBRIS UPON COMPLETION...
H. HANDLE REFLECTORS, LENSES AND LOUVERS WITH CARE...
3.2 LIGHTING FIXTURE SCHEDULE
A. AS SCHEDULED ON DRAWINGS.
END OF SECTION

RECORD DRAWINGS
THESE REVISED DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT, DATED 08/01/05.

Table with columns for REVISIONS, DATE, DRAWING NO., and project details for REPLACE ROOF CIVIC CENTER FRANKFORT, KENTUCKY. Includes E2.01 drawing number and E-TECH CONSULTANTS, PLLC information.

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