

## ADDENDUM 5

DATE: September 20, 2017  
PROJECT: SPH MEP Upgrades  
RFP NO: 744-R1726  
OWNER: The University of Texas Health Science Center at Houston  
TO: Prospective Proposers

This Addendum forms part of and modifies Proposal Documents dated, June 30, 2017, with amendments and additions noted below.

On Addendum 4, question 108 was incomplete. The complete question and response is as follows:

108. Can level 2 lobby and corridor floors support the weight of the heaviest switchgear piece with the weight of steel plates and all required manpower and equipment?

**The structural engineer has reviewed this and verified that a steel plate of 3/16" thick is recommended.**

In regards to the HVAC Air Duct Cleaning:

Include this cost in the Base Price, and provide a line item in your Schedule of Values.

1. Are full set of prints going to be available for both sides of the building  
**Yes, these will be sent from IA later today.**
2. It's been stated that the scope is "all existing medium pressure supply air ductwork" to be cleaned
  - a. Does this mean all duct on the floor inside and outside of designated work areas? **ALL Medium Pressure ductwork is to be cleaned whether it is inside the work area or not.**
  - b. What about low pressure ductwork and terminal diffusers? **These are not required.**
  - c. Does this include any new ductwork associated with AHU replacement? **New ductwork should already be cleaned and free from debris. This should not be included in the cleaning.**
3. There are numerous concerns relating to systems shut down requirements for the cleaning process in occupied areas. Accessibility to the system and infection control procedures greatly affect phasing, production and completion of this work. **Provide cleaning on weekends and after hours to limit exposure to tenants.**
4. Will there be client verification processes relating to duct cleaning? Specifications call for standard NADCA verification, however, we would request more specific discussions with the client regarding cleanliness expectations. **Yes, that is fine. For bidding purposes, pricing should be based on NADCA.**
5. One or more site visits are going to be required to accurately create a scope, phasing, critical path and pricing proposal. **Coordination of the cleaning is to be done during the project. Occupied spaces can be temporarily shut off to allow cleaning.**

ADDENDUM NO. 05  
SEPTEMBER 18, 2017

PROJECT: **School of Public Health MEP Renovation**  
FROM: **Infrastructure Associates, Inc.**  
**6117 Richmond Ave.**  
**Houston, Texas 77057**  
TO: **Prospective Bidders**

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THE SOLICITATION MENTIONED ABOVE IS AMENDED AS SET FORTH BELOW.

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This Addendum uses the "change-page" method as follows:

For Revisions to the Project Manual:

Remove obsolete pages and delete, replace, or add pages as indicated issued under this Addendum.

For Revisions to Drawings:

Remove obsolete sheets and replace or add sheets issued as indicated under this Addendum.

#### PART 1 - CHANGES TO PROJECT MANUAL

- A. Revise specification sections 230923 DIRECT DIGITAL CONTROL FOR HVAC, paragraph 2.1.A as follows:

##### ACCEPTIBLE BIDDERS

- A. The specifications are intended to describe the microprocessor based Energy Management System – **Johnson Controls is the acceptable manufacturer. Preapproved Johnson Controls installers include JCI Houston and Lange Mechanical.** Lab controls shall be by "Phoenix Controls". Controls contractor shall be responsible to provide interface between Phoenix controls and existing Johnson Controls.

#### PART 2 - CHANGES TO DRAWINGS

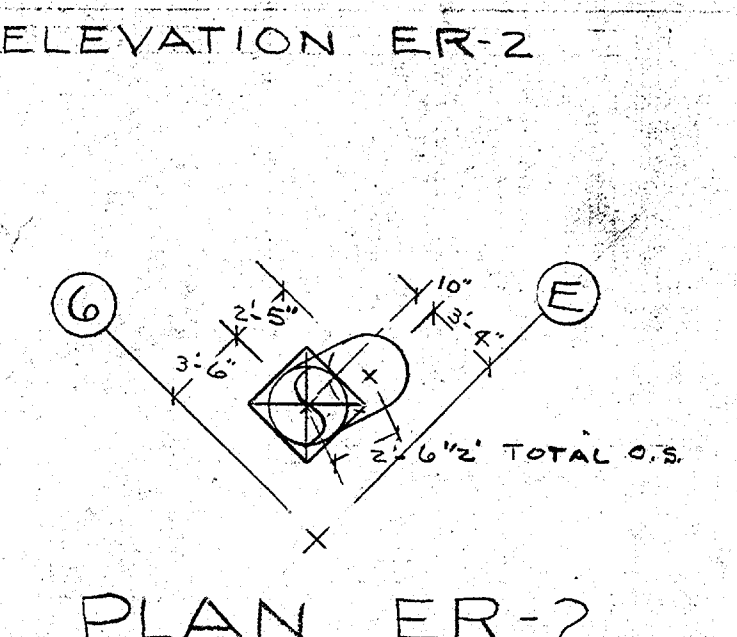
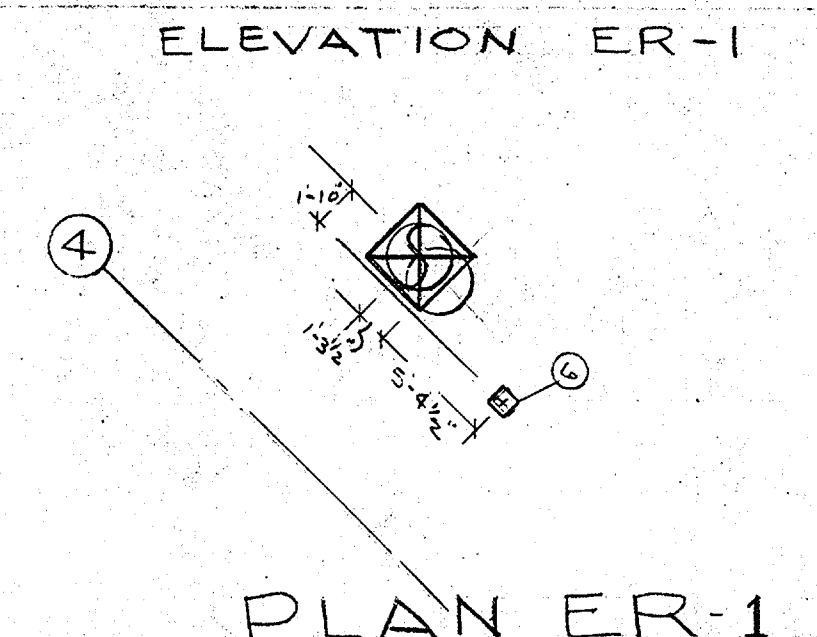
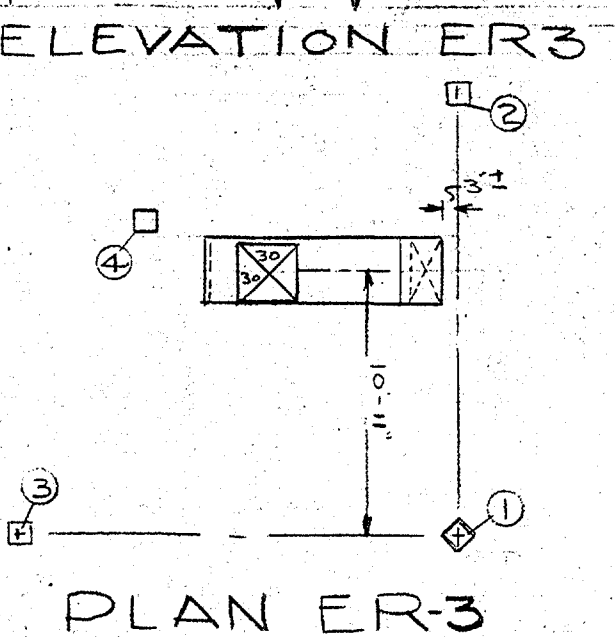
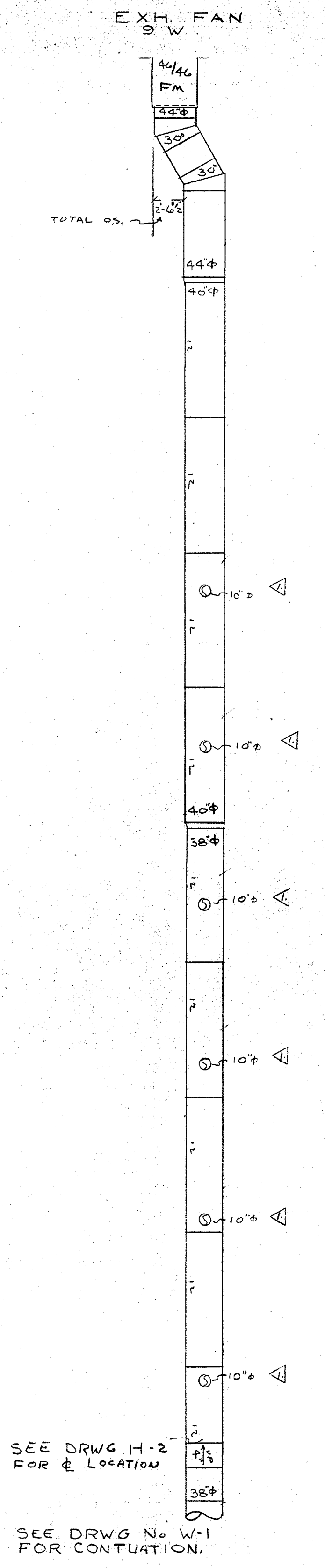
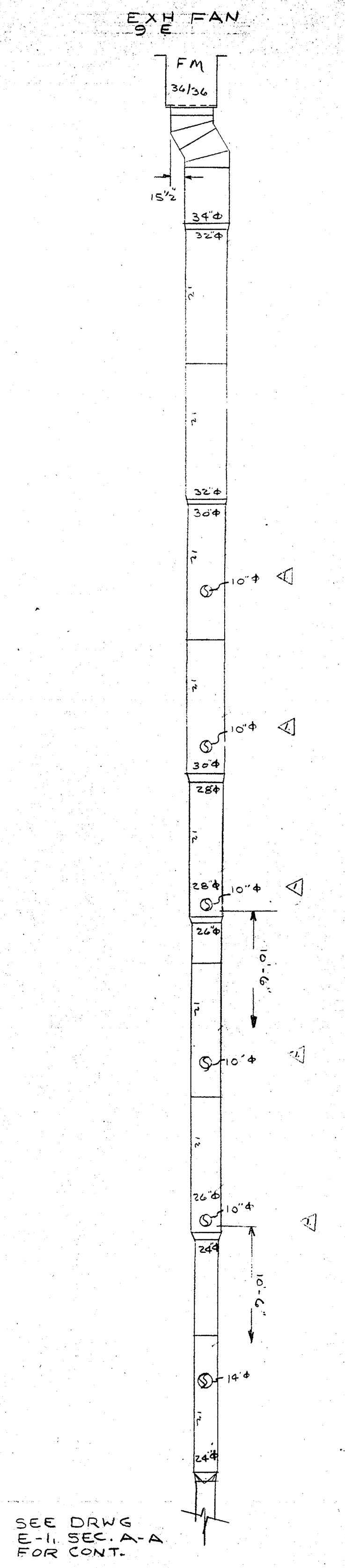
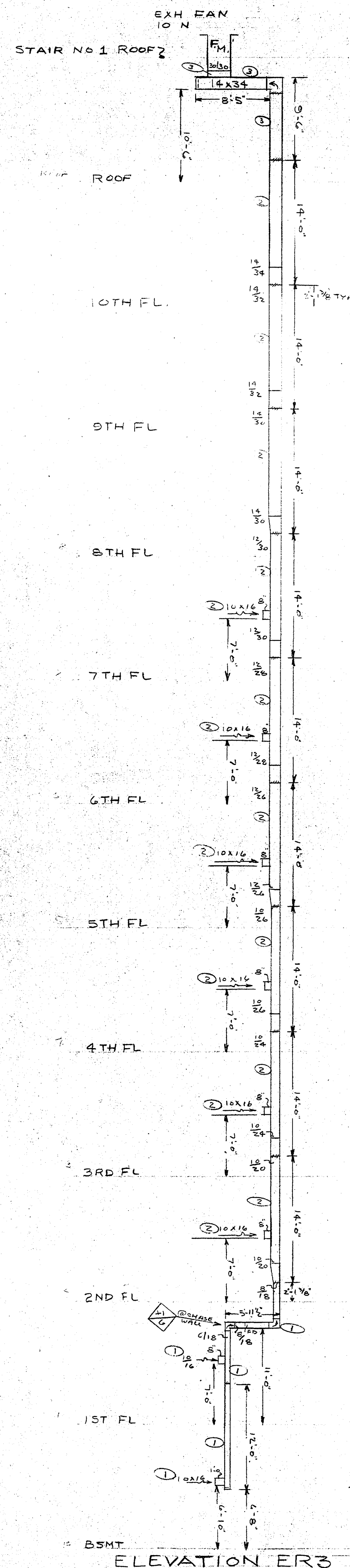
- A. This addendum includes no changes to drawings.

#### PART 3 – SUPPLEMENTAL INFORMATION

- A. Reference separate electronic copy of International Sheet Metal, Inc. record ductwork shop drawings dated 1975 for use in pricing HVAC duct cleaning. Note that floors 8 thru 10 are not included, however, ductwork layout is similar to floors 3 thru 7.

- END -





SEE DRWG H-2 FOR LOCATION

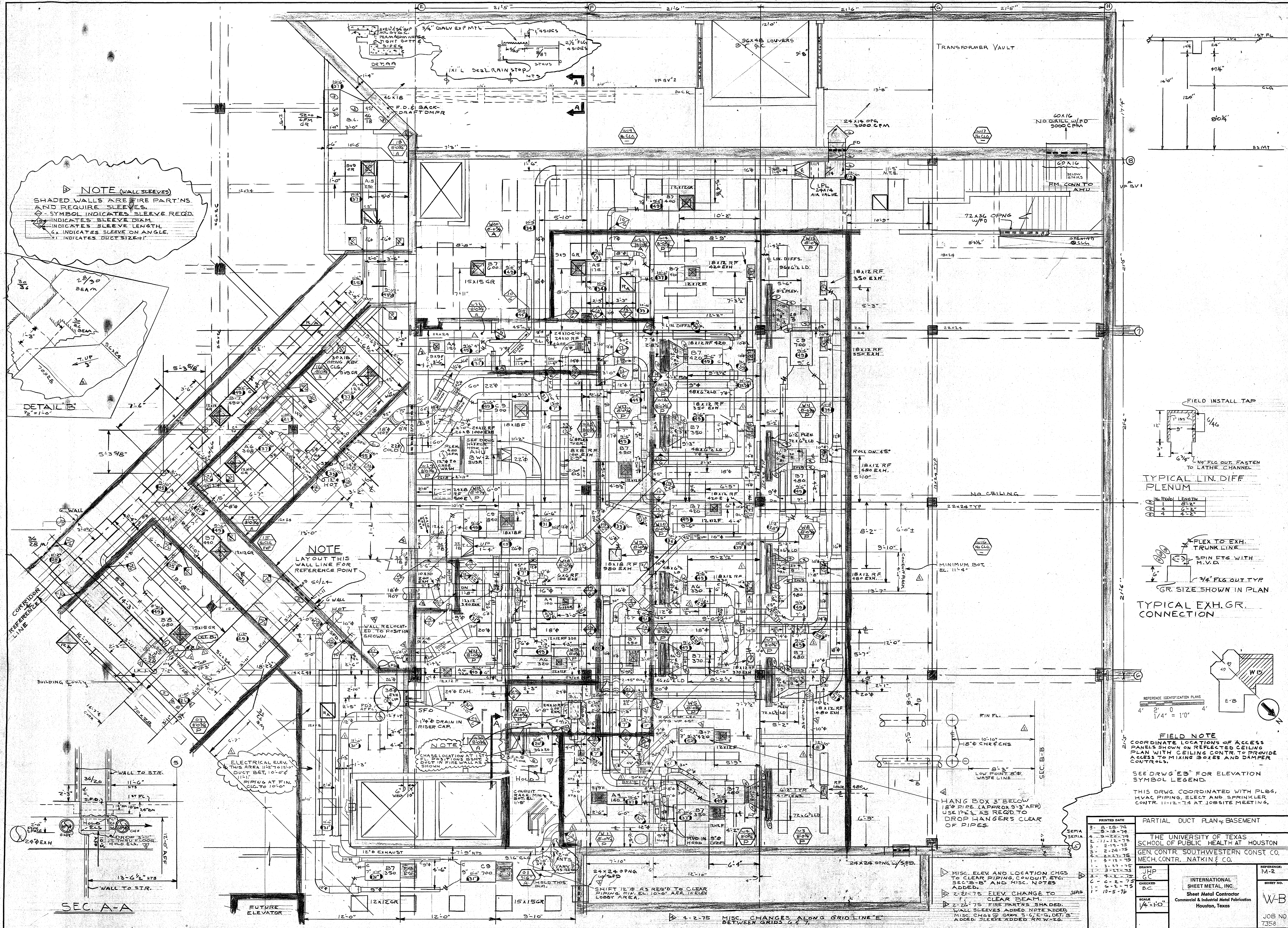
SEE DRWG No W-1 FOR CONTINUATION.

SEE DRWG T-1, SEC. A-A FOR CONT.

4-21-75 RISER TAPS CHANGED FROM 12" TO 10"

PRINTED DATE	RISERS	
3 4-17-75	SOPH	
3 5-2-75	HOUSTON TEXAS	
0 6-2-75	NATKIN & CO MECH. CONTR.	
1 6-2-75		
SEP 2 1-10-5-78		
DRAWN	GC	REFERENCE: M-8
CHECKED	BC	SHEET NO.
SCALE	1/8" = 1'-0"	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas
		R-1
		Job No. 7358





**NOTE (WALL SLEEVES)**  
 SHADED WALLS ARE FIRE PARTNS AND REQUIRE SLEEVES.  
 ◊ SYMBOL INDICATES SLEEVE REQD.  
 ○ INDICATES SLEEVE DIAM.  
 — INDICATES SLEEVE LENGTH.  
 ◊ INDICATES SLEEVE ON ANGLE.  
 T INDICATES DUCT SIZE+T

**DETAIL B**  
 1/2" = 1'-0"

**NOTE**  
 LAYOUT THIS WALL LINE FOR REFERENCE POINT

**NOTE**  
 CHASE LOCATION AT LISTED POSITIONS SHOWN IN FIRE WALL. WALL THICKNESS SHOWN

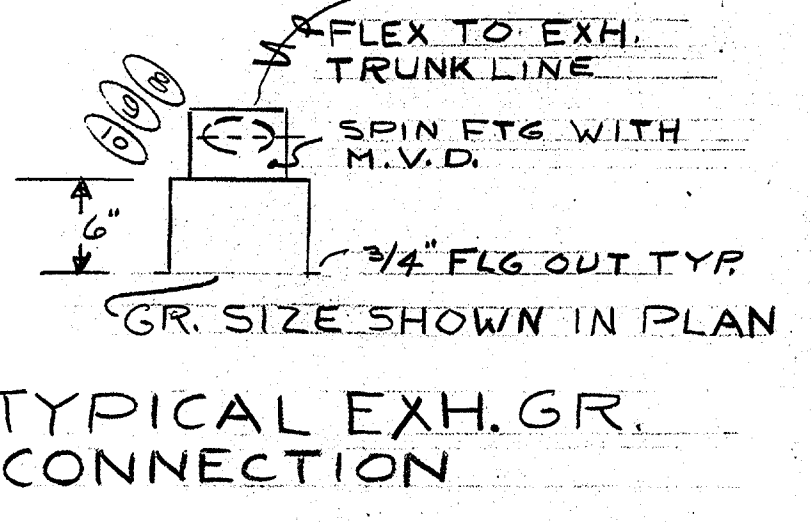
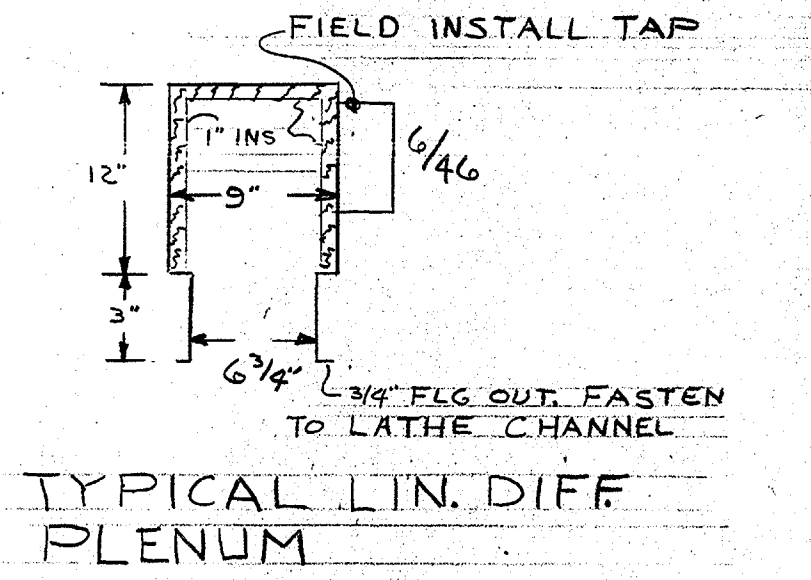
**ELECTRICAL ELEV.**  
 THIS AREA 11'-2" TO 12'-0" DUCT BET. 10'-0" TO 11'-0" PIPING AT FIN. CLG. TO 10'-0"

SEC A-A

FUTURE ELEVATOR

4-2-75 MISC. CHANGES ALONG GRID LINE "E" BETWEEN GRIDS 4 & 7

MISC. ELEV AND LOCATION CHGS TO CLEAR PIPING, COUPLER ETC. SEC "B" AND MISC. NOTES ADDED.  
 2-21-75 ELEV. CHANGE TO CLEAR BEAM.  
 2-22-75 FIRE PARTNS. SHADED. WALL SLEEVES ADDED. NOTE ADDED. MISC. CHGS @ GRIDS 5-6, 8-9, DET. 5 ADDED. SLEEVE ADDED RM W-26.



**FIELD NOTE**  
 COORDINATE LOCATIONS OF ACCESS PANELS SHOWN ON REFLECTED CEILING PLAN WITH CEILING CONTR. TO PROVIDE ACCESS TO MIXING BOXES AND DAMPER CONTROLS.  
 SEE DRAWG "E" FOR ELEVATION SYMBOL LEGEND.

THIS DRWG. COORDINATED WITH PLB6, HVAC PIPING, ELECT AND SPRINKLER CONTR. 11-12-74 AT JOBSITE MEETING.

PRINTED DATE	PARTIAL DUCT PLAN OF BASEMENT
3-8-74	
3-18-74	
4-9-74	
11-12-74	THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH AT HOUSTON
2-19-75	GEN. CONTR. SOUTHWESTERN CONST. CO.
2-24-75	MECH. CONTR. NATHAN & CO.
2-27-75	
3-12-75	
3-17-75	
4-2-75	
4-2-75	
6-2-75	
10-5-76	

INTERNATIONAL SHEET METAL, INC.  
 Sheet Metal Contractor  
 Commercial & Industrial Metal Fabrication  
 Houston, Texas

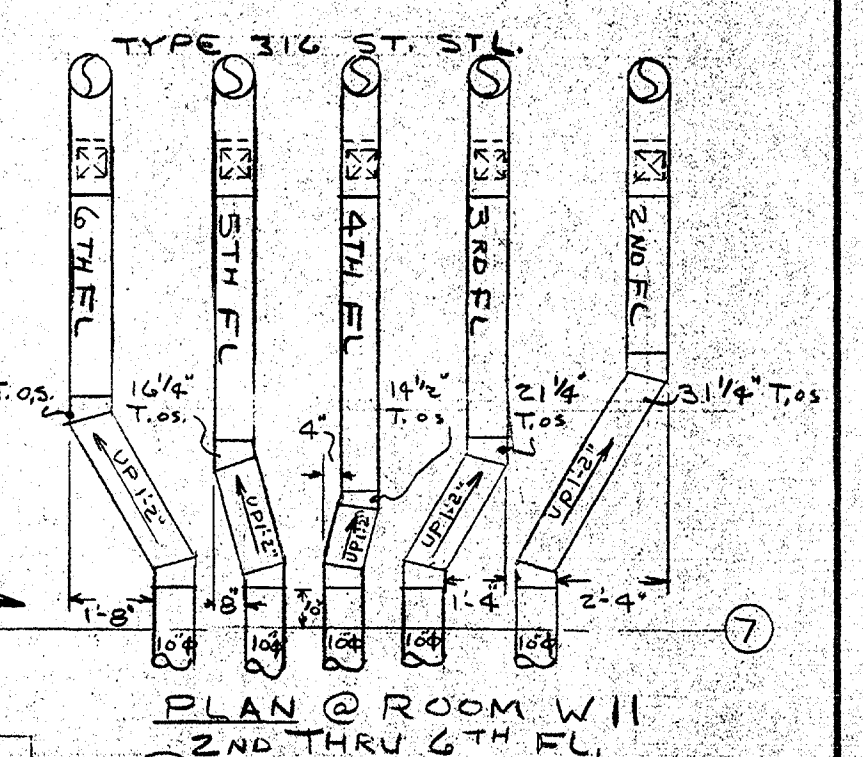
W-B  
 JOB NO 7358







STAIR N° 3



INDICATES FLOOR SERVED  
LEGEND ST. STL. RISERS

INDICATES HOOD N°

PLAN @ E-G 2ND FLOOR ONLY

SEE DRWG H-2 3,4,5,6 FLOORS, SEE DRWG H-3 @ 2ND FL

96 x 30 1/4" SND. ATTS. TYPICAL @ 3,4,5,6 FLS ONLY

SMOKE PART'N ABOVE CEILING MUST BE RE-LOCATED TO POSITION SHOWN TO PROVIDE SPACE FOR 2" x 4" THRU TRUSSES

NOTE  
AG-2'S BOXES ARE B7 350 CFM BOXES WITH 12 X 12 GR @ 2ND FLOOR ONLY  
18-C50 BOXES ARE C9 700 CFM @ 2ND FL

REFERENCE IDENTIFICATION PLANS  
4' 0" / 1/4" = 1' 0"

5-7-75 NOTE ADDED MIXING BOX CHANGED FROM RH TO LH COLD.  
4-9-75 MISC. CHANGES SHOWN ENCLOSED IN BALCONS.

SEC. B-B

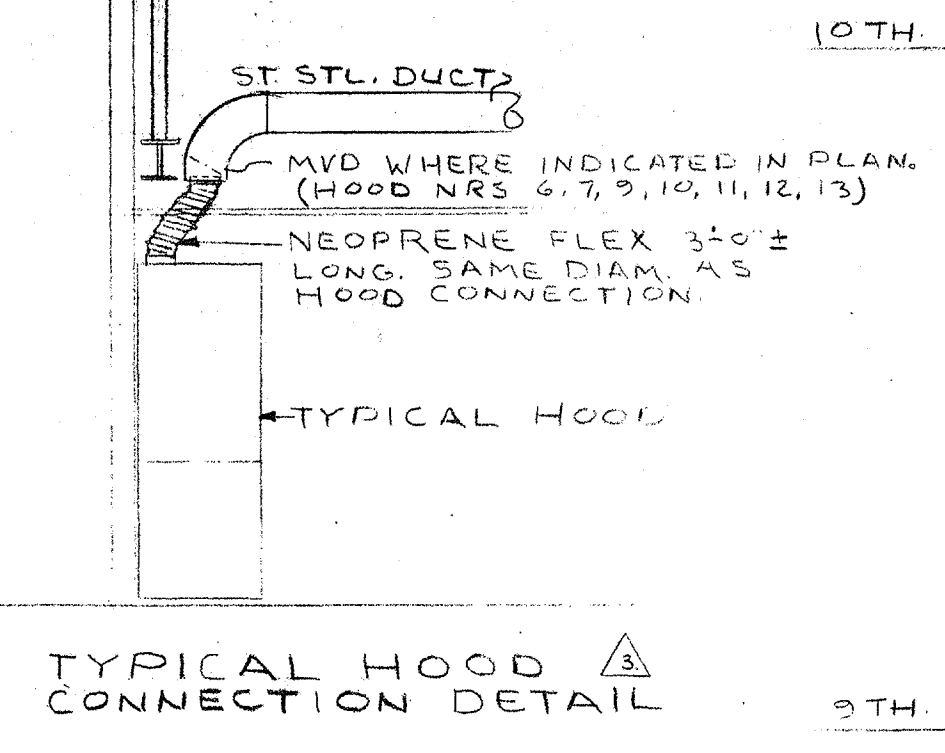
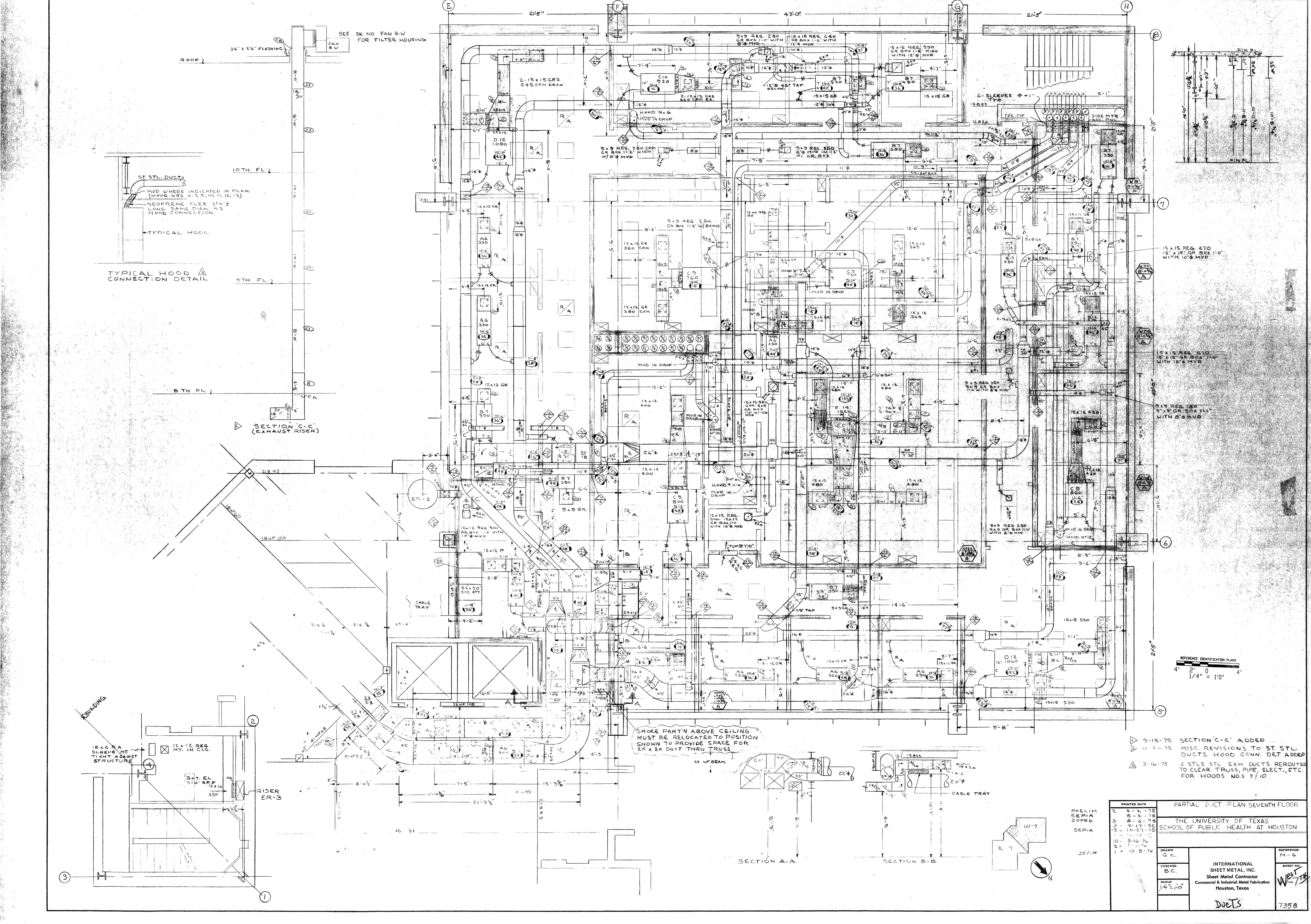
FIN. FL. STRUCTURAL ELEVATION

PRINTED DATE:	3-10-75	AC DUCTWORK FOR THE WEST WING, 2ND THROUGH 6TH FLS.
PRELIM. SERIES:	3-24-75	SCHOOL OF PUBLIC HEALTH
COMPLETE:	4-24-75	HOUSTON, TEXAS
DATE:	5-7-75	NATHAN & CO. MECH. CONTR.
DATE:	5-20-75	
DATE:	5-23-75	
DATE:	6-30-75	
DATE:	7-1-75	
DATE:	9-7-75	
DATE:	1-10-76	

INTERNATIONAL SHEET METAL, INC.  
Sheet Metal Contractor  
Commercial & Industrial Metal Fabrication  
Houston, Texas

W. J. Nathan  
D.J.C.S.





SECTION C-C (EXHAUST RISER)

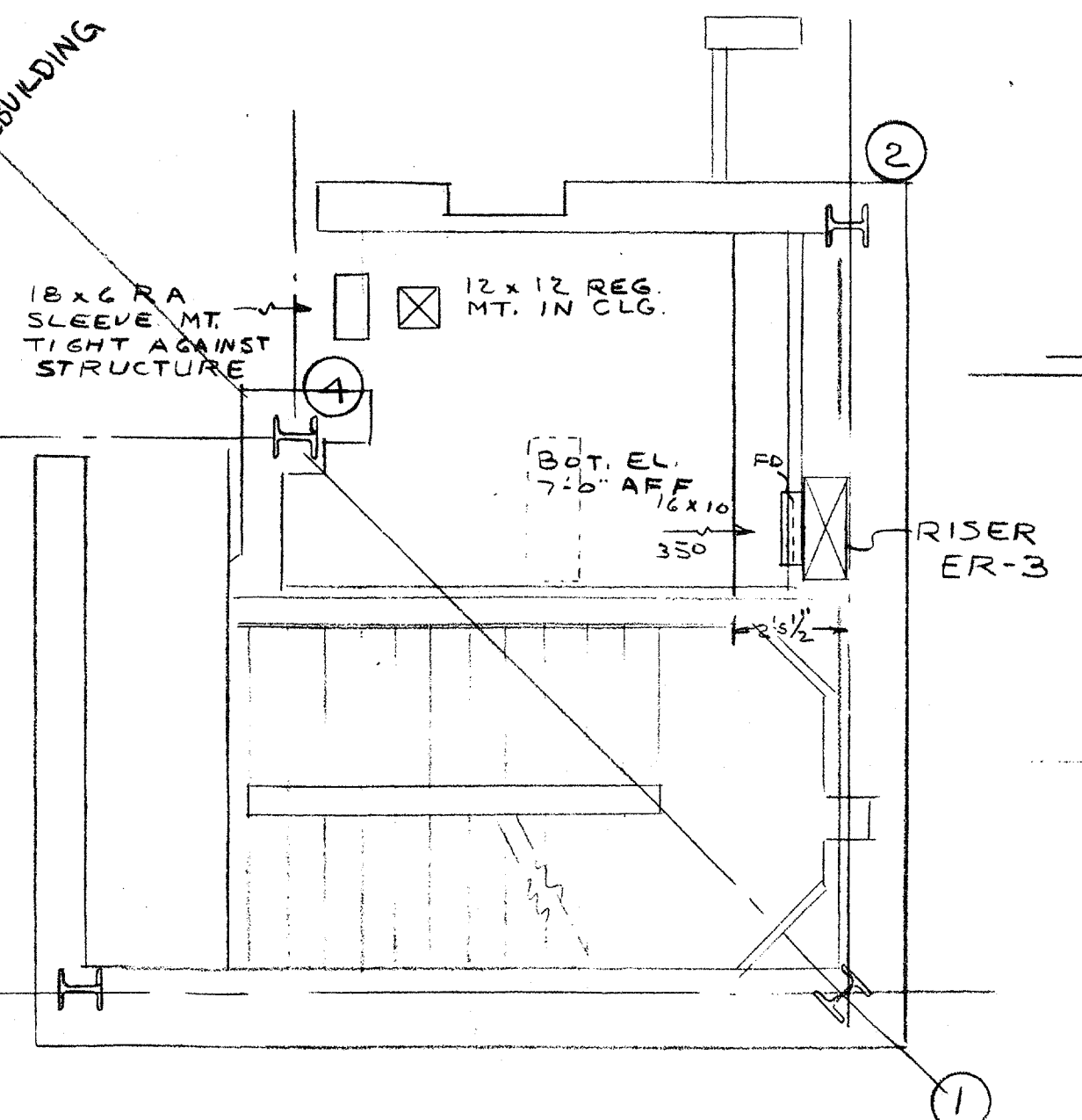
SECTION A-A

SECTION B-B

- ▷ 9-15-75 SECTION C-C ADDED
- ▷ 10-21-75 MISC. REVISIONS TO ST. STL. DUCTS. HOOD CONN. DET. ADDED
- ▷ 3-16-75 2 STL'S STL. EXH. DUCTS REROUTED TO CLEAR TRUSS, PIPE, ELECT., ETC. FOR HOODS NOS. 9 & 10

PRINTED DATE		PARTIAL DUCT PLAN SEVENTH FLOOR	
2	4-2-76	THE UNIVERSITY OF TEXAS	
3	8-4-78	SCHOOL OF PUBLIC HEALTH AT HOUSTON	
3	9-17-76		
3	10-27-75		
10	3-16-76		
9	1-17-76		
1	10-20-76		
DRAWN G.C.		INTERNATIONAL SHEET METAL, INC.	
CHECKED B.C.		Sheet Metal Contractor	
SCALE 1/4" = 1'-0"		Commercial & Industrial Metal Fabrication	
		Houston, Texas	
		Ducts	
		7358	

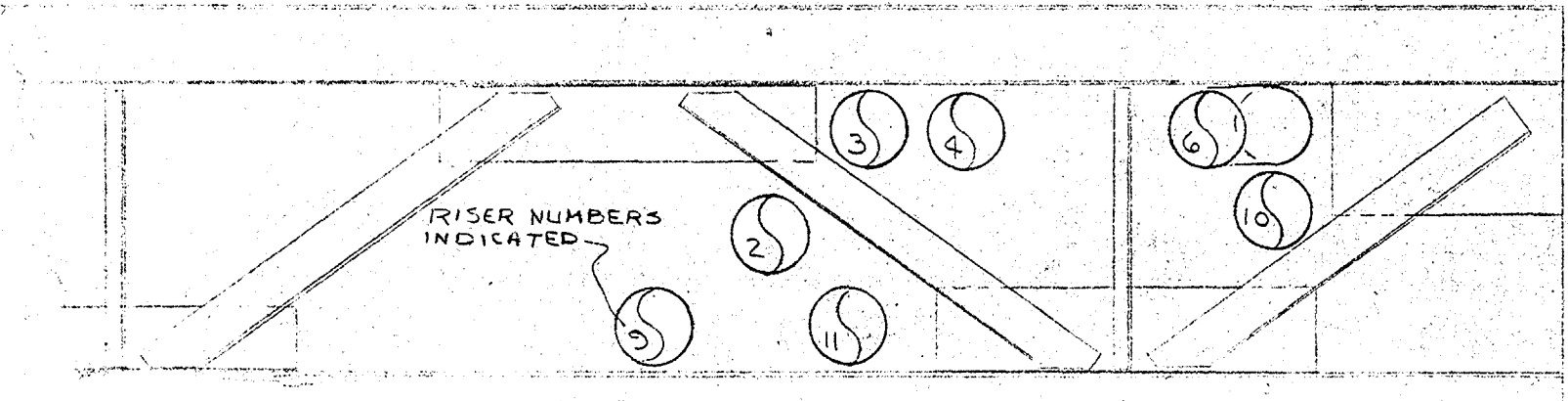
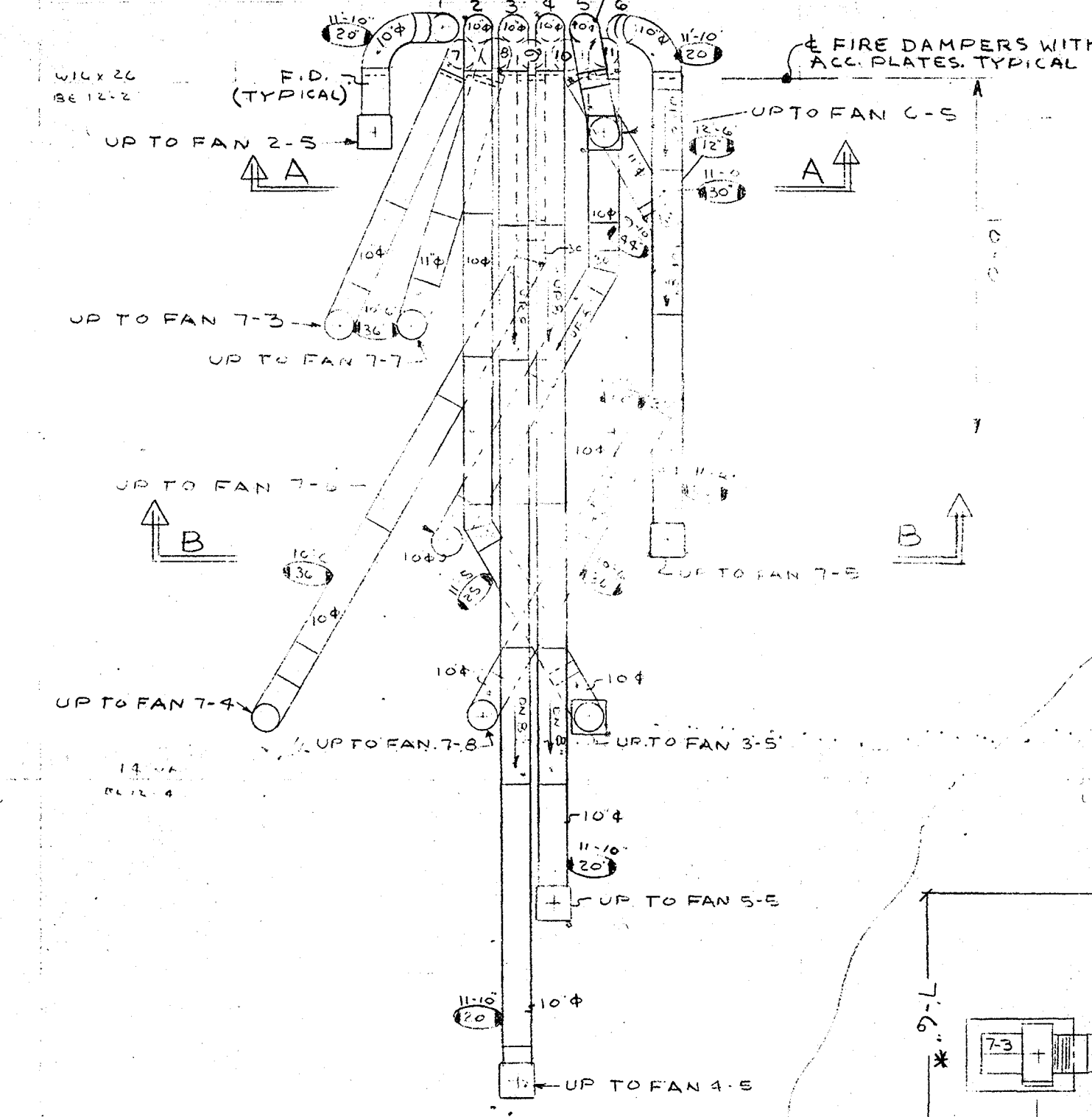
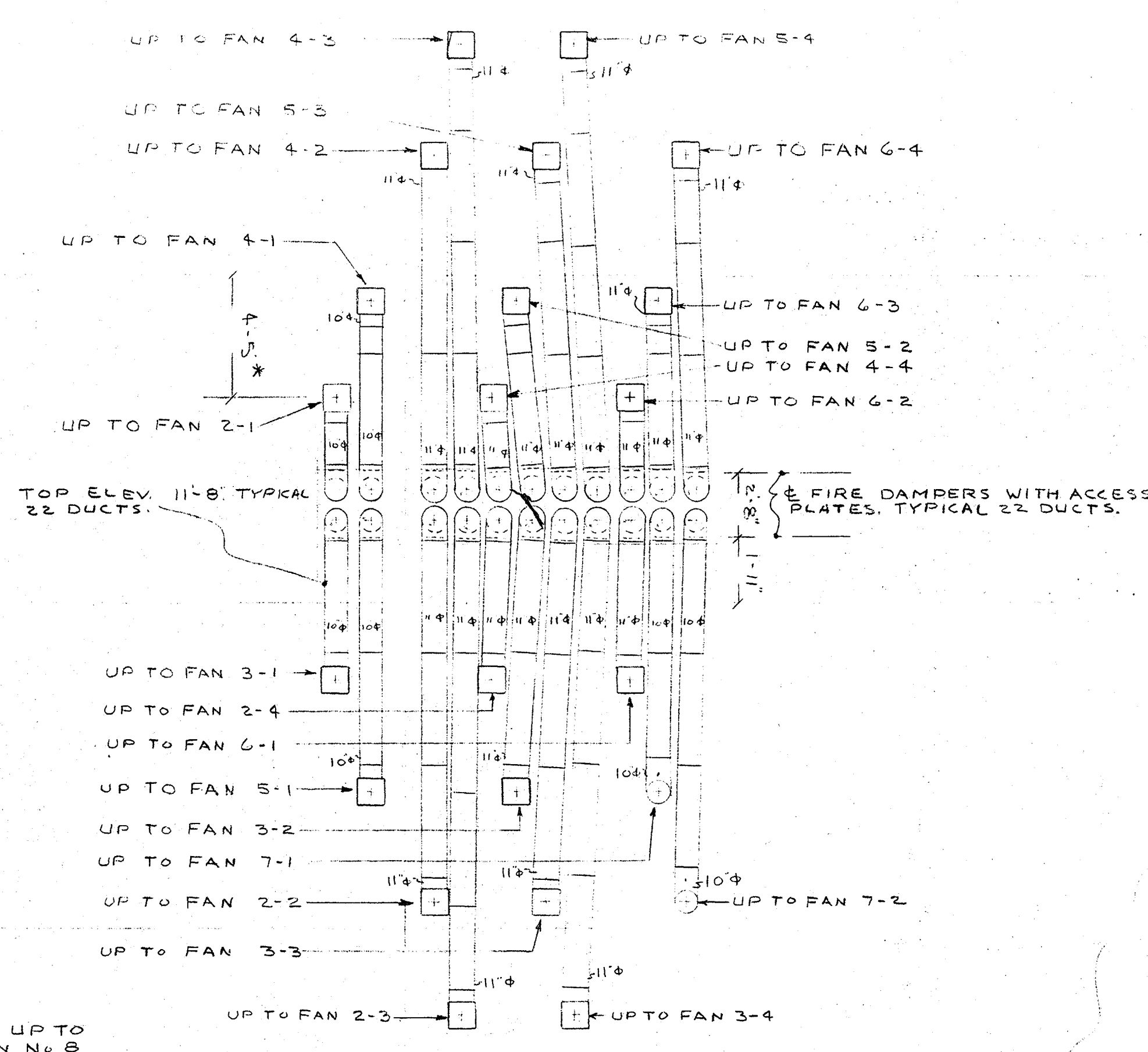
SMOKE PART'N ABOVE CEILING MUST BE RELOCATED TO POSITION SHOWN TO PROVIDE SPACE FOR 20 X 20 DUCT THRU TRUSS



RISER ER-3

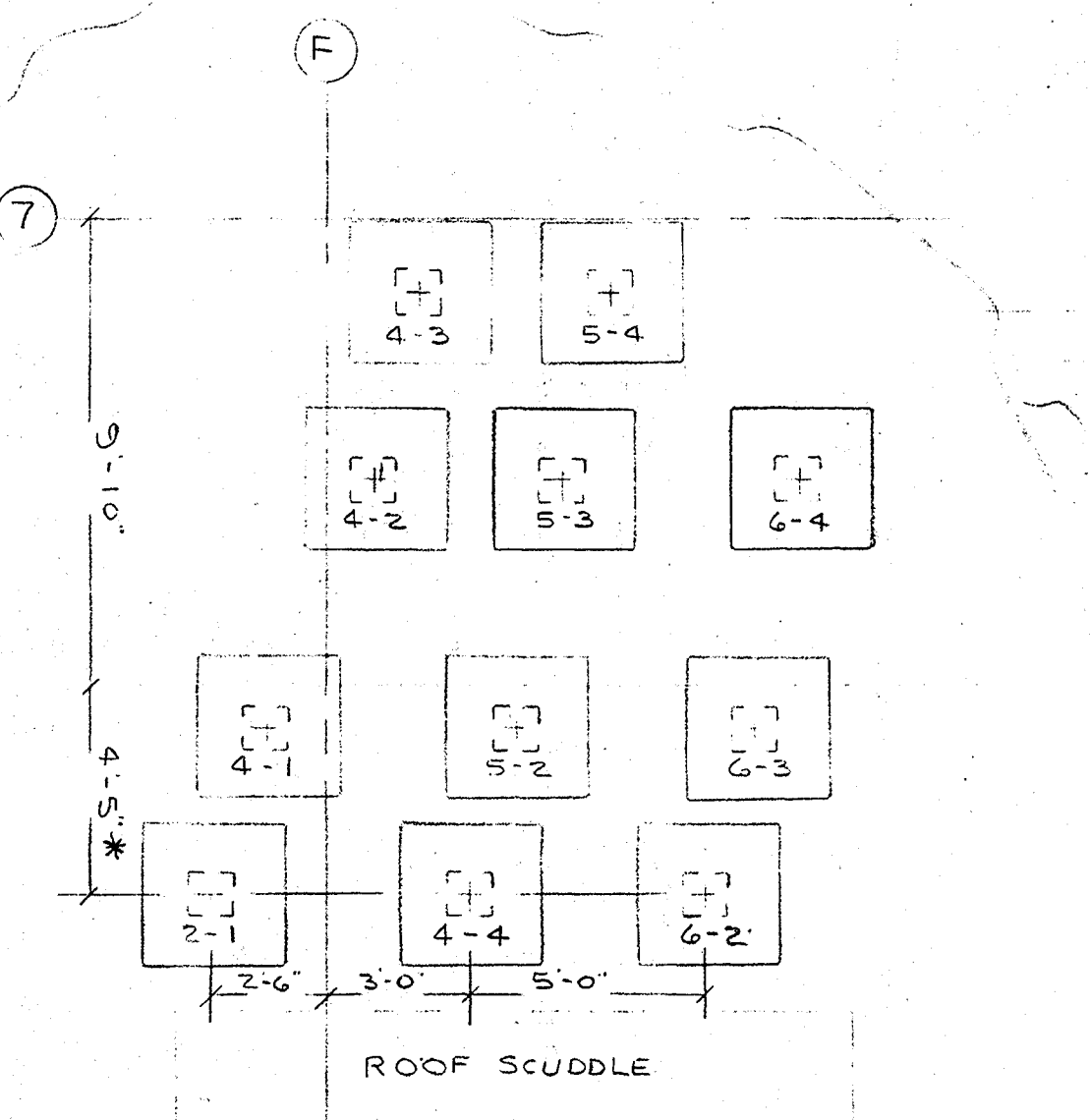
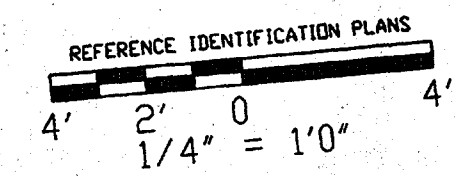


RISER NR.	DIAM.	FLOOR	HOOD NR.	FAN NR.
1	10"	6	1	2-1
2	10"	5	1	3-1
3	10"	4	1	4-1
4	10"	3	1	5-1
5	10"	2	1	6-1
6	10"	1	1	7-1
7	11"	7	1	7-1
8	10"	7	1	7-4
9	10"	7	1	7-5
10	11"	7	1	7-6
11	10"	7	1	7-6

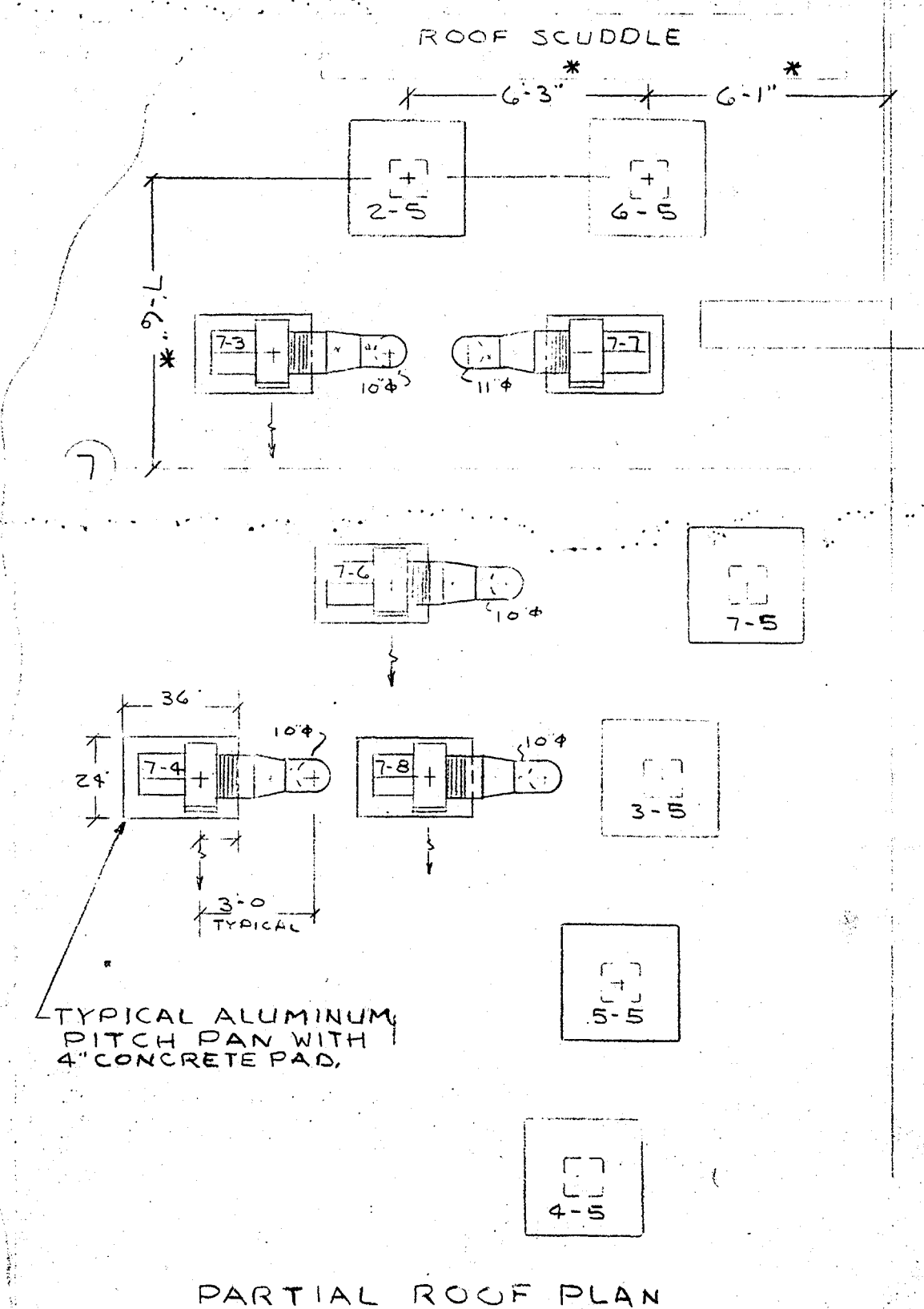


SECTION B-B 1/4" = 1'-0"

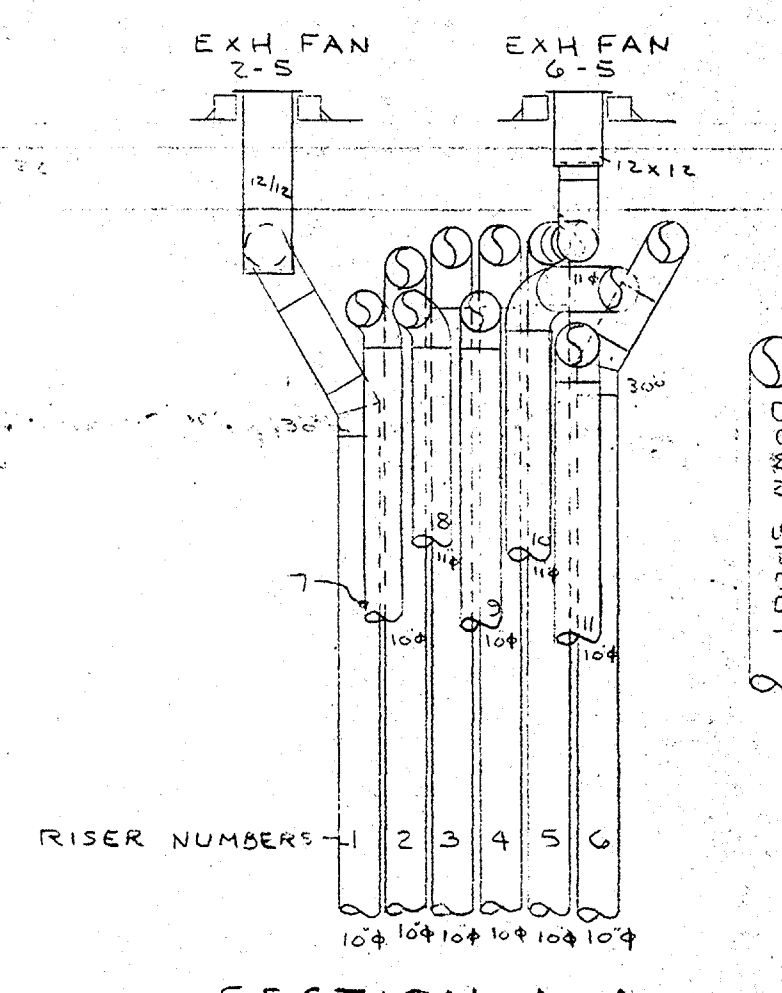
30" x 18" UP TO EXH FAN No. B ON ROOF



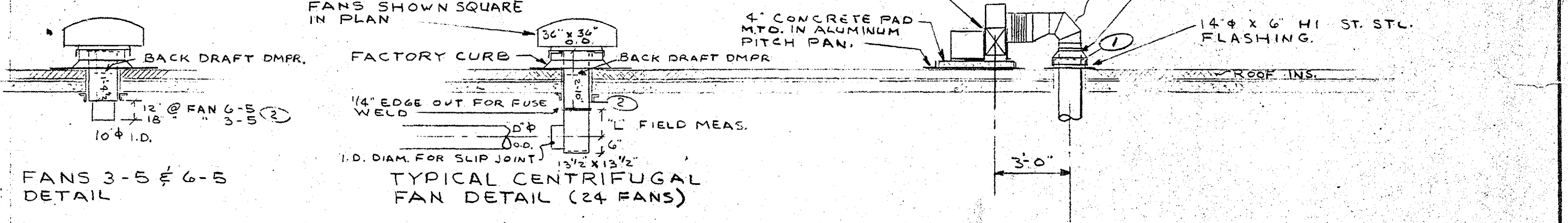
PARTIAL ROOF PLAN



PARTIAL ROOF PLAN



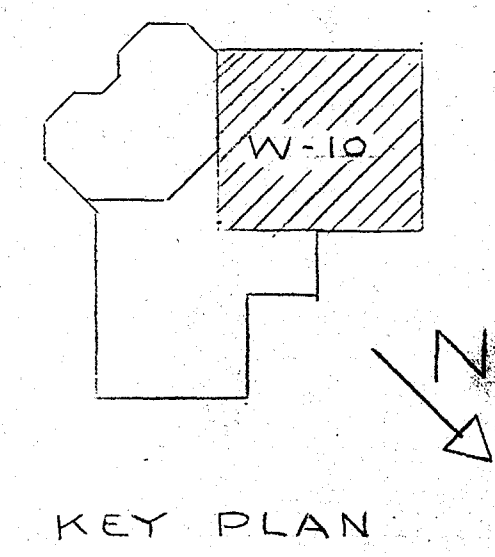
SECTION A-A



FAN CONNECTION DETAIL FANS 7-1, 7-2, 7-3, 7-4, 7-6, 7-7, 7-8

FANS 3-5 & 6-5 DETAIL

FAN ID	D	L	FAN ID	D	L
3-1	10"	11"	6-1	11"	11"
3-2	11"	11"	6-2	11"	11"
3-3	11"	11"	6-3	11"	11"
3-4	11"	11"	6-4	11"	11"
3-5	11"	11"	6-5	11"	11"
4-1	10"	11"	7-1	11"	11"
4-2	10"	11"	7-2	11"	11"
4-3	10"	11"	7-3	11"	11"
4-4	10"	11"	7-4	11"	11"
4-5	10"	11"	7-5	11"	11"



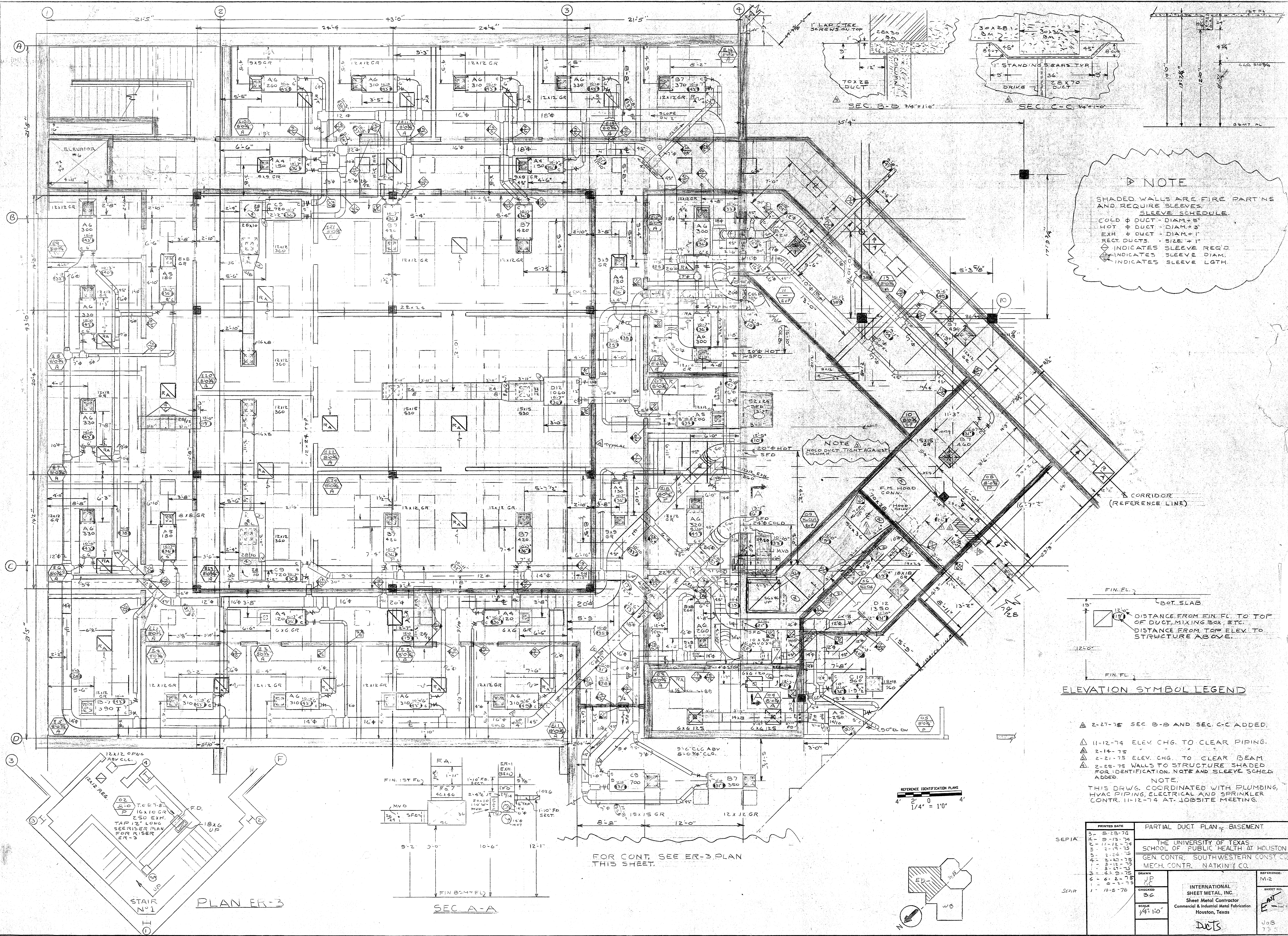
KEY PLAN

- 1. \* INDICATES DIMENSION CHANGE.
- 2. SEE DRWG. RP-1 FOR DIMENSIONED LOCATIONS OF ROOF OPENINGS.

PRELIM. COMPLETE

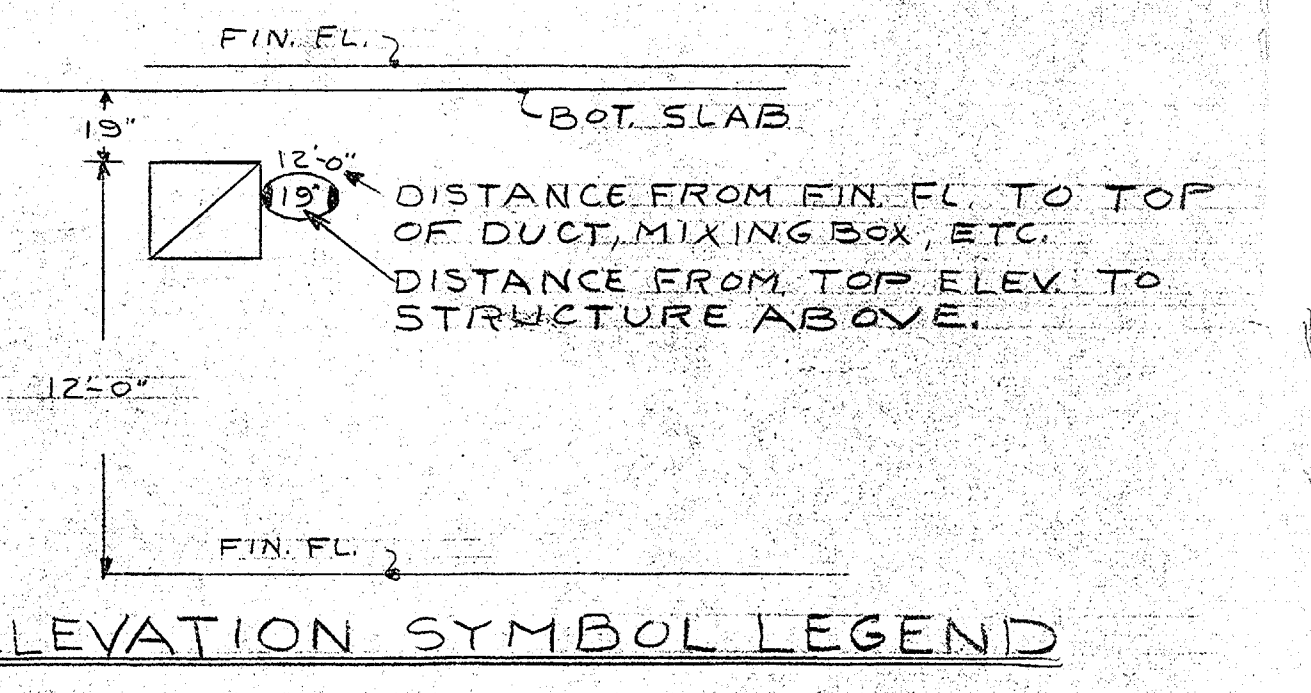
PRINTED DATE 4-5-78 3-11-78 3-12-78 7-10-78	ST. STEEL DUCT UNDER ROOF AND PARTIAL ROOF PLAN <b>SOPH</b> HOUSTON TEXAS NATKIN & CO MECH. CONTR.
DRAWN G.C.	REFERENCE M-6 M-7
CHECKED B.C.	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas
SCALE 1/4" = 1'-0"	SHEET NO. <b>W-10</b>
	JOB NO. 7358





**NOTE**  
 SHADED WALLS ARE FIRE PARTNS AND REQUIRE SLEEVES.  
 SLEEVE SCHEDULE:  
 COLD Ø DUCT - DIAM. + 5"  
 HOT Ø DUCT - DIAM. + 3"  
 EXH Ø DUCT - DIAM. + 1"  
 RECT. DUCTS - SIZE + 1"  
 ◊ INDICATES SLEEVE REQ'D  
 ◊ INDICATES SLEEVE DIAM.  
 ◊ INDICATES SLEEVE LGTH.

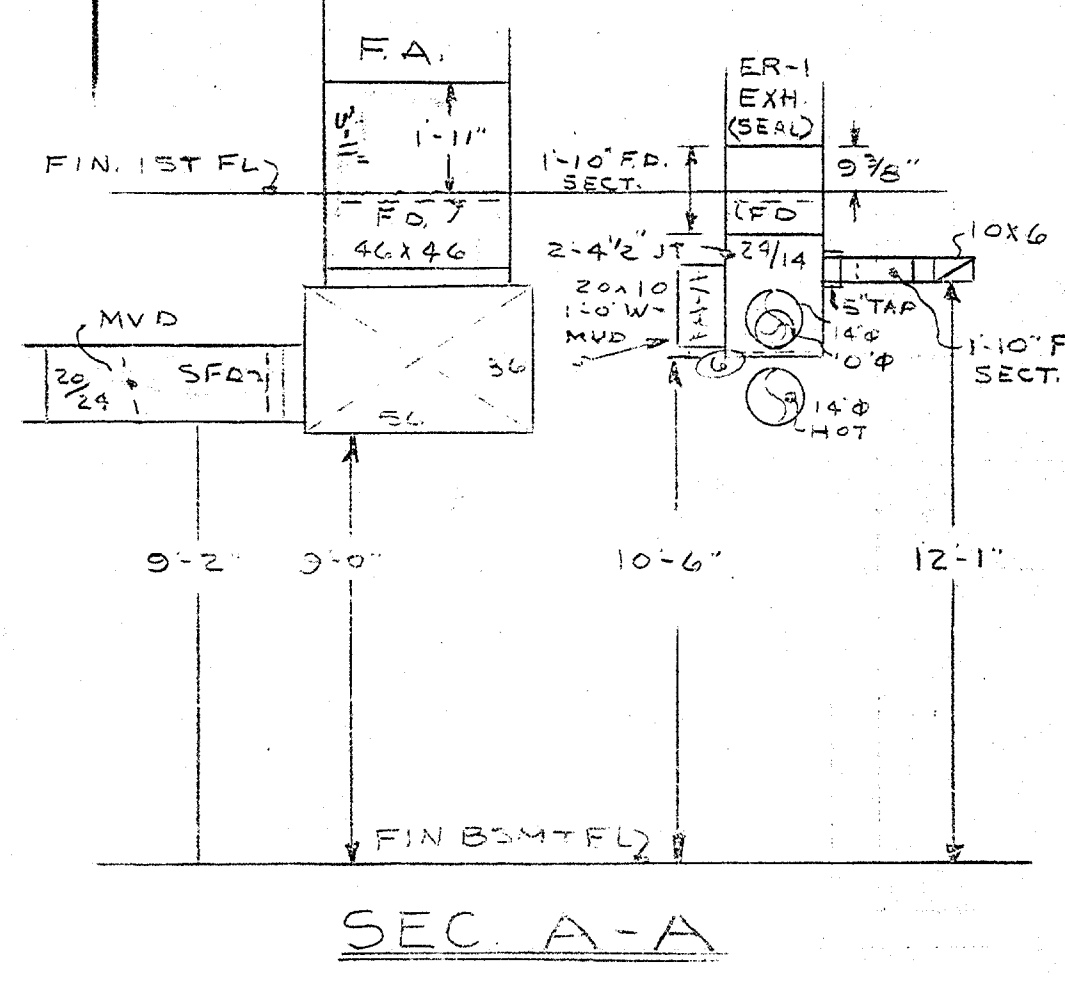
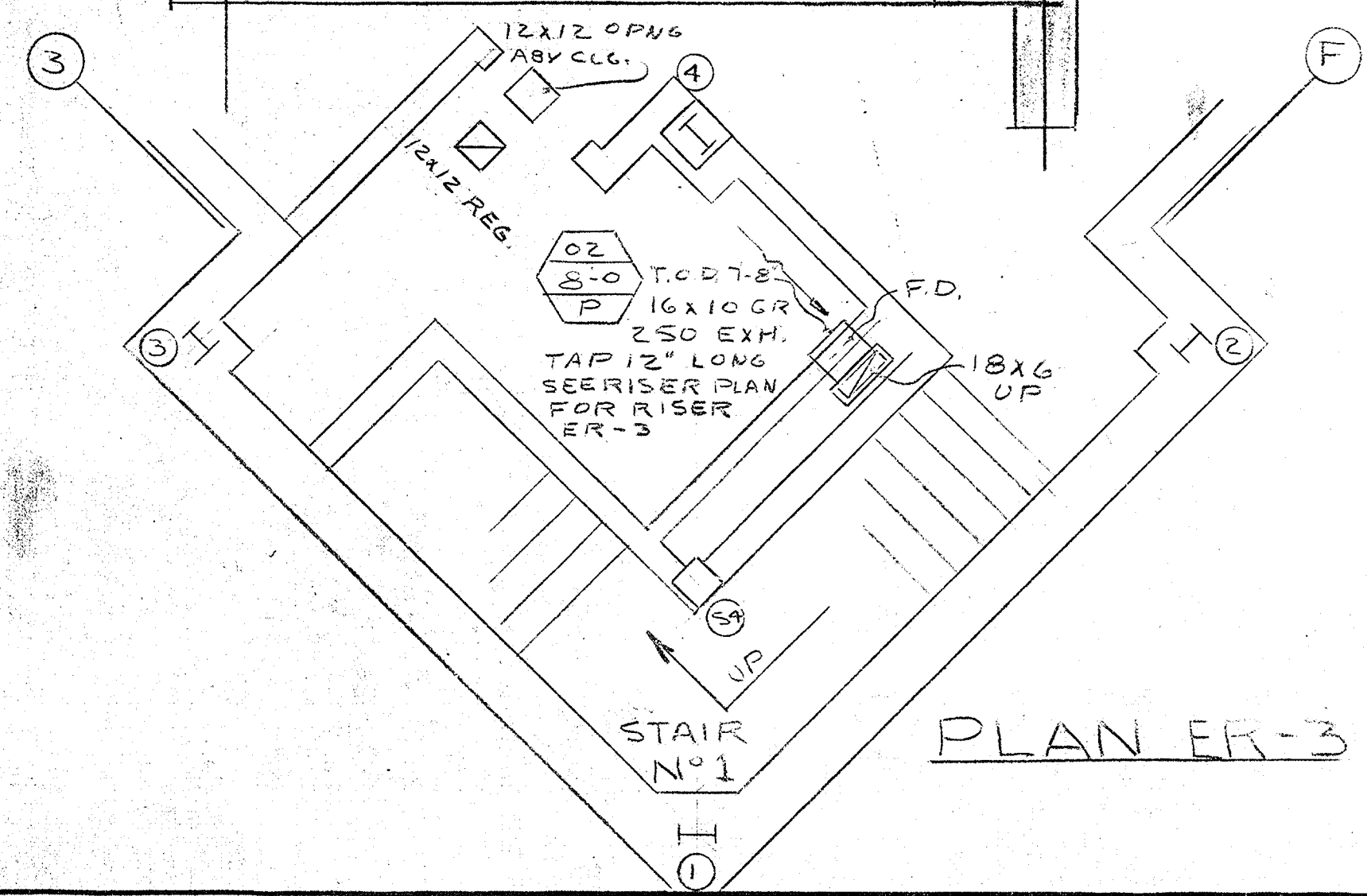
**NOTE**  
 HOLD DUCT TIGHT AGAINST COLUMN



- ▲ 2-27-75 SEC B-B AND SEC C-C ADDED.
  - ▲ 11-12-74 ELEV. CHG. TO CLEAR PIPING.
  - ▲ 2-14-75
  - ▲ 2-21-75 ELEV. CHG. TO CLEAR BEAM
  - ▲ 2-28-75 WALLS TO STRUCTURE SHADED FOR IDENTIFICATION. NOTE AND SLEEVE SCHED ADDED.
- NOTE**  
 THIS DRAWG. COORDINATED WITH PLUMBING, HVAC PIPING, ELECTRICAL AND SPRINKLER CONTR. 11-12-74 AT JOBSITE MEETING.

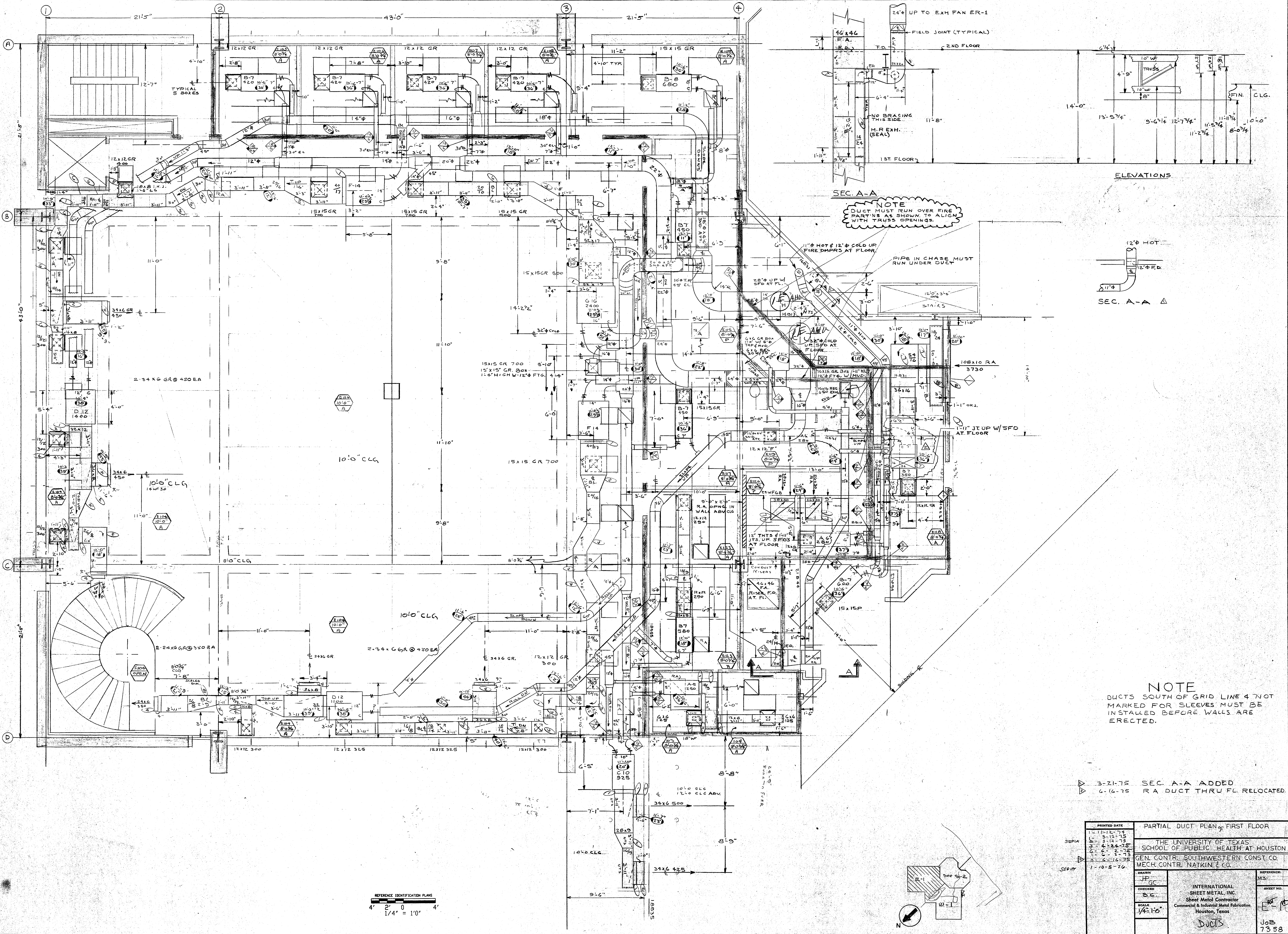
REFERENCE IDENTIFICATION PLANS  
 4" = 0'  
 1/4" = 10'

FOR CONT. SEE ER-3 PLAN THIS SHEET.



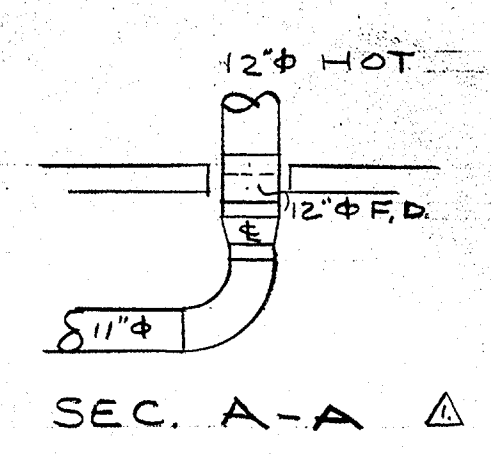
PRINTED DATE		PARTIAL DUCT PLAN of BASEMENT	
SEP 14	3-8-74	THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH AT HOUSTON	
SEP 14	9-13-74	GEN. CONTR. SOUTHWESTERN CONST. CO.	
SEP 14	11-12-74	MECH. CONTR. NATKIN & CO.	
SEP 14	2-24-75	DRAWN J.P.	
SEP 14	2-23-75	CHECKED B.C.	
SEP 14	6-2-75	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas	
SEP 14	6-2-75	SCALE 1/4" = 10'	
SEP 14	10-5-75	REVISION M-2	
		SHEET NO. 40B 735	





NOTE  
DUCT MUST RUN OVER FIRE PARTS AS SHOWN TO ALIGN WITH TRUSS OPENINGS.

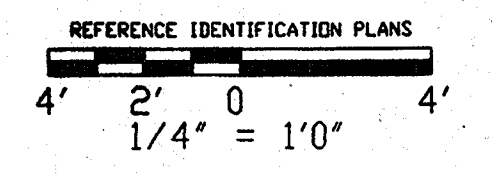
PIPE IN CHASE MUST RUN UNDER DUCT



SEC. A-A

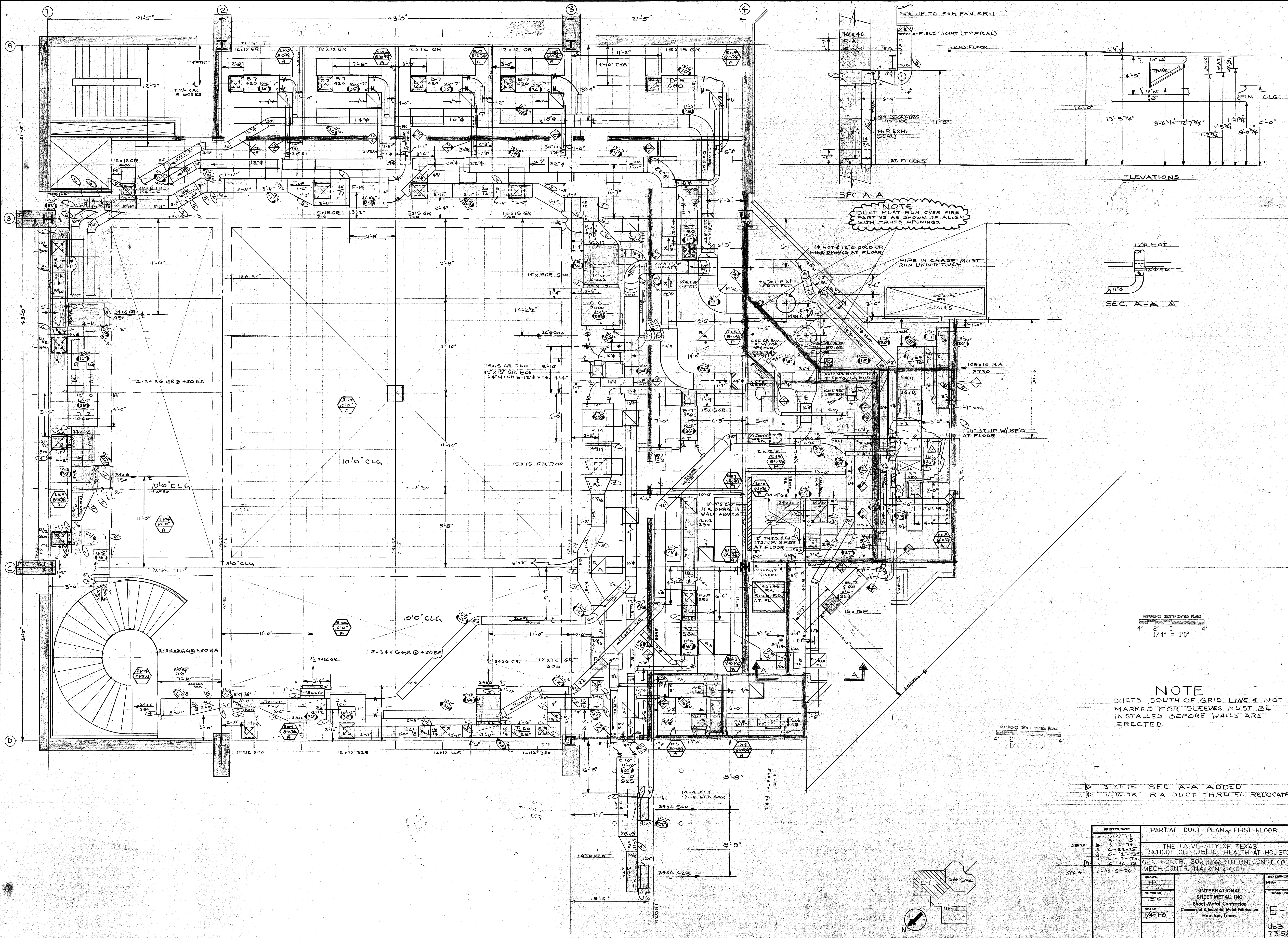
NOTE  
DUCTS SOUTH OF GRID LINE 4 NOT MARKED FOR SLEEVES MUST BE INSTALLED BEFORE WALLS ARE ERECTED.

3-21-75 SEC. A-A ADDED  
6-16-75 RA DUCT THRU FL. RELOCATED.



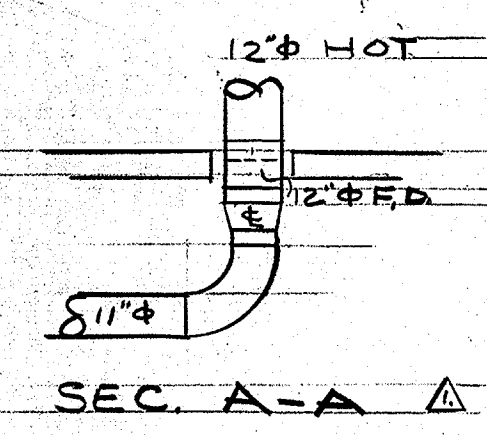
PRINTED DATE 1-11-74 3-12-75 3-14-75 3-4-75 2-2-75 2-2-75 1-10-5-76		PARTIAL DUCT PLAN OF FIRST FLOOR  THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH AT HOUSTON  GEN. CONTR. SOUTHWESTERN CONST. CO. MECH. CONTR. NATKIN & CO.	
DRAWN JF CHECKED GC SCALE 1/4" = 1'-0"	REFERENCED M.S.  SHEET NO. E-1 DUCTS JOB 7358	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas	





**NOTE**  
 DUCT MUST RUN OVER FIRE PARTNS AS SHOWN TO ALIGN WITH TRUSS OPENINGS.

PIPE IN CHASE MUST RUN UNDER DUCT



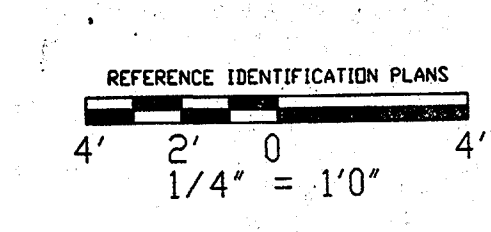
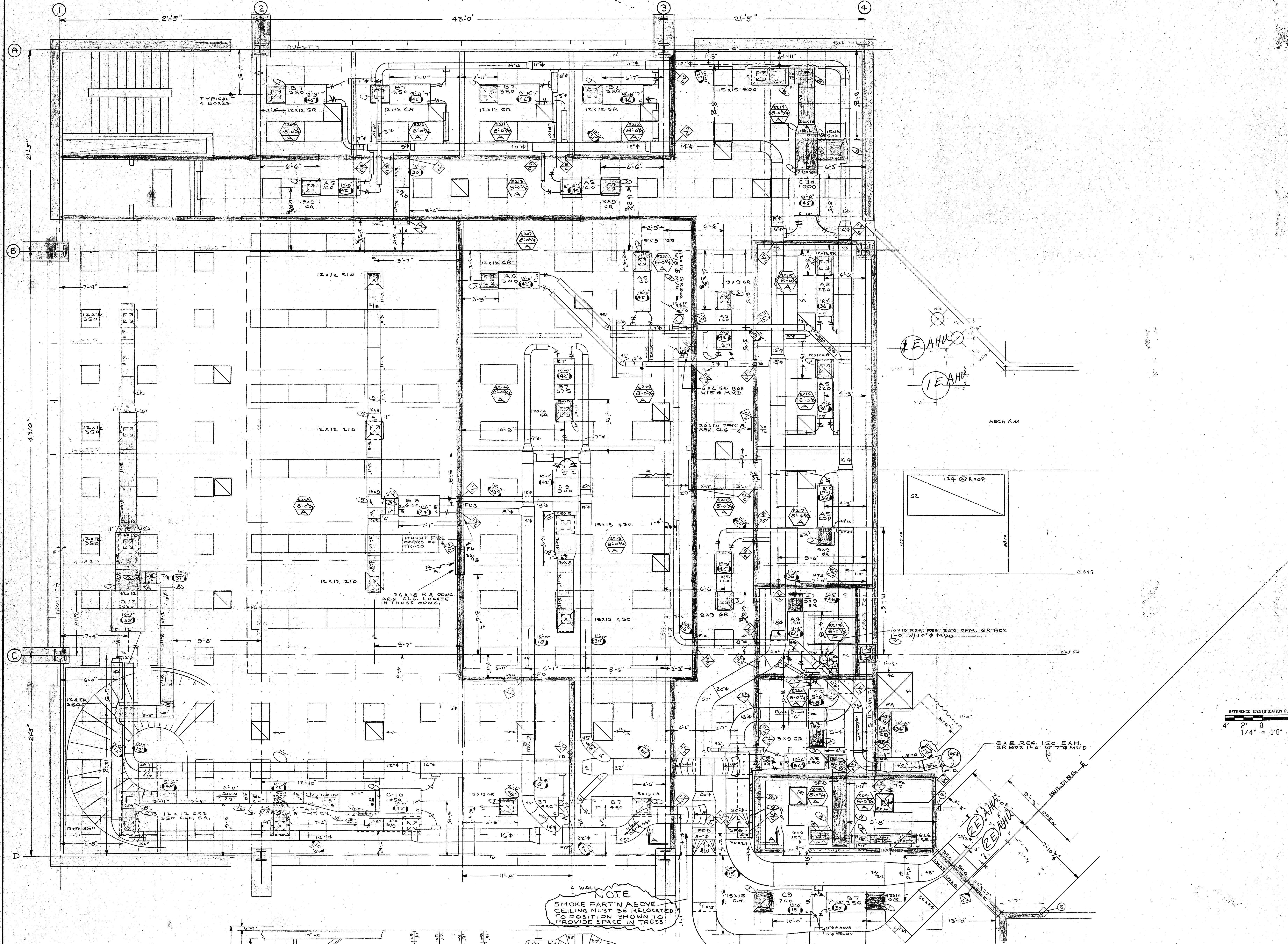
REFERENCE IDENTIFICATION PLANS  
 4' 2' 0" / 1/4" = 10' 4"

**NOTE**  
 DUCTS SOUTH OF GRID LINE 4 NOT MARKED FOR SLEEVES MUST BE INSTALLED BEFORE WALLS ARE ERECTED.

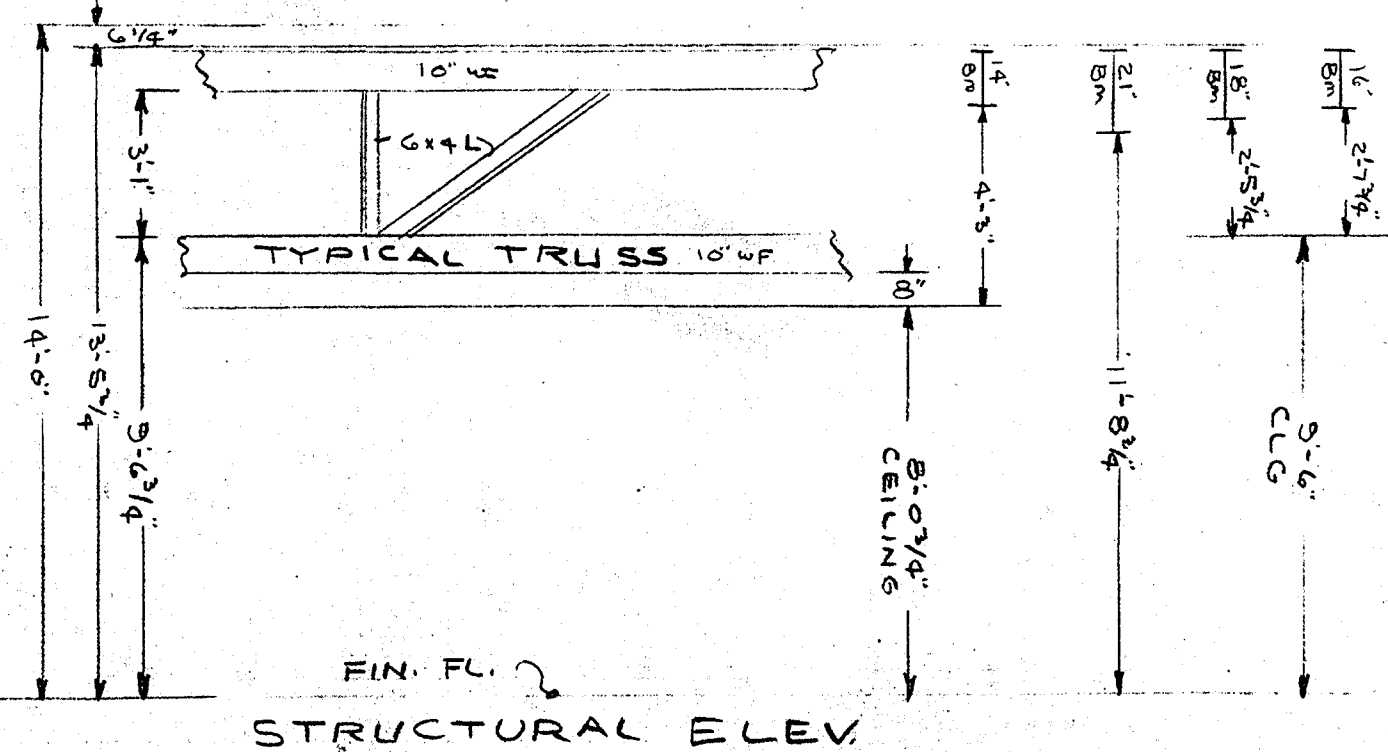
3-21-75 SEC. A-A ADDED  
 4-16-75 RA DUCT THRU FL. RELOCATED.

PRINTED DATE 1-11-76 3-12-75 3-18-75 3-24-75 2-6-75 3-6-75 1-10-76		PARTIAL DUCT PLAN OF FIRST FLOOR  THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH AT HOUSTON GEN. CONTR. SOUTHWESTERN CONST. CO. MECH. CONTR. NATKIN & CO.	
DRAWN JH CHECKED EC SCALE 1/4" = 10'	SHEET NO. E-1 JOB 7358	REFERENCE M3 INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas	

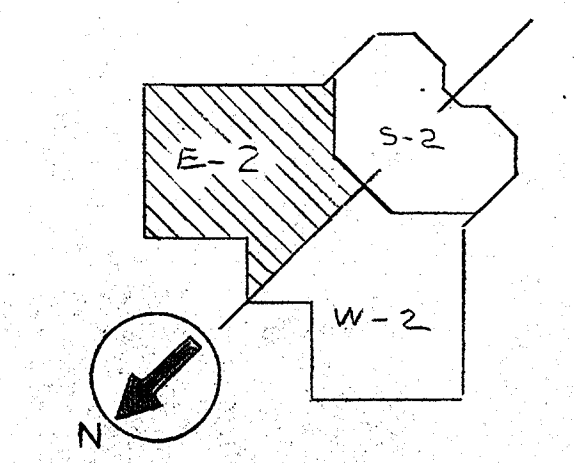




NOTE  
SMOKE PART'N ABOVE  
CEILING MUST BE RELOCATED  
TO POSITION SHOWN TO  
PROVIDE SPACE IN TRUSS

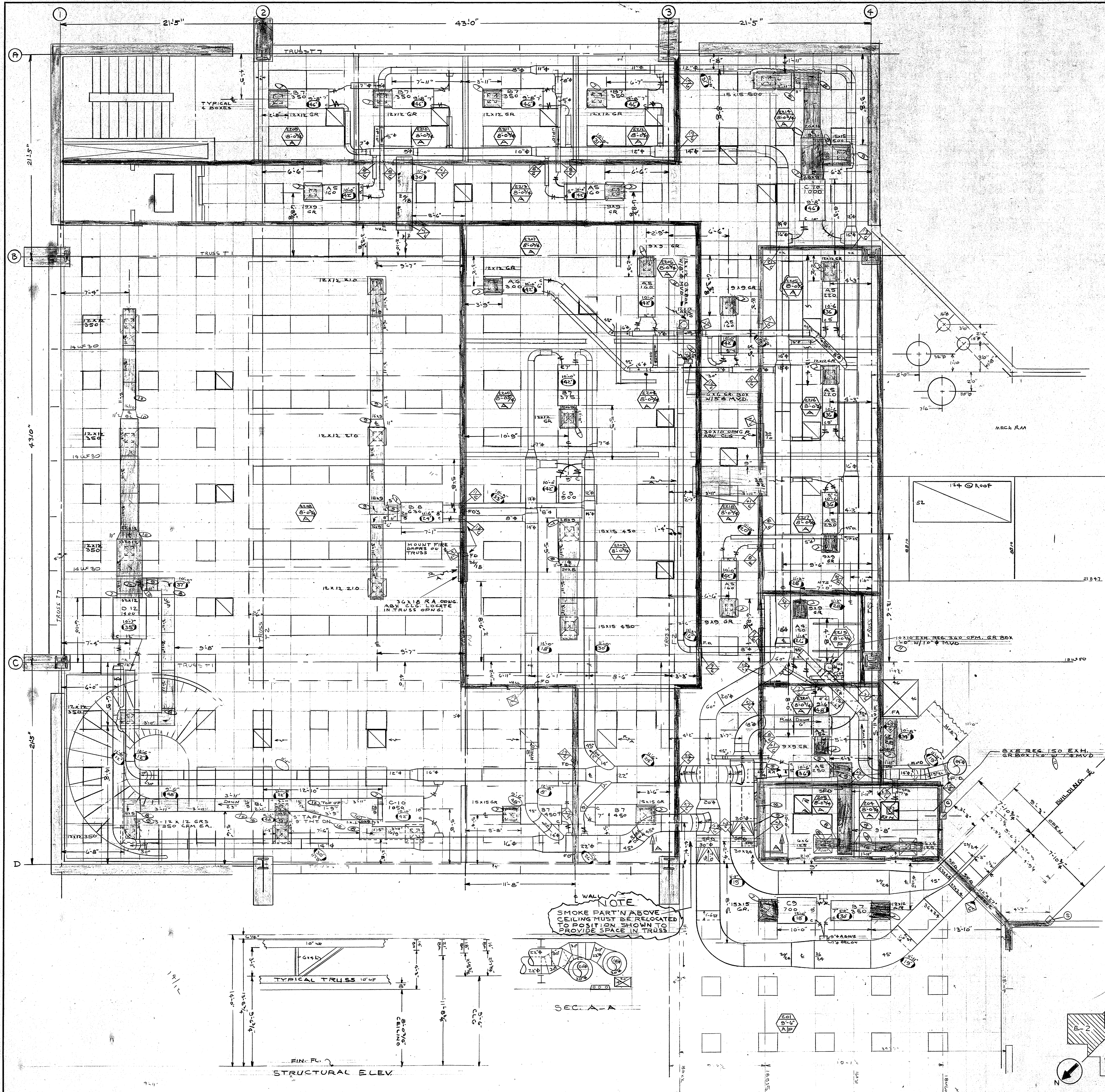


SEC. A-A



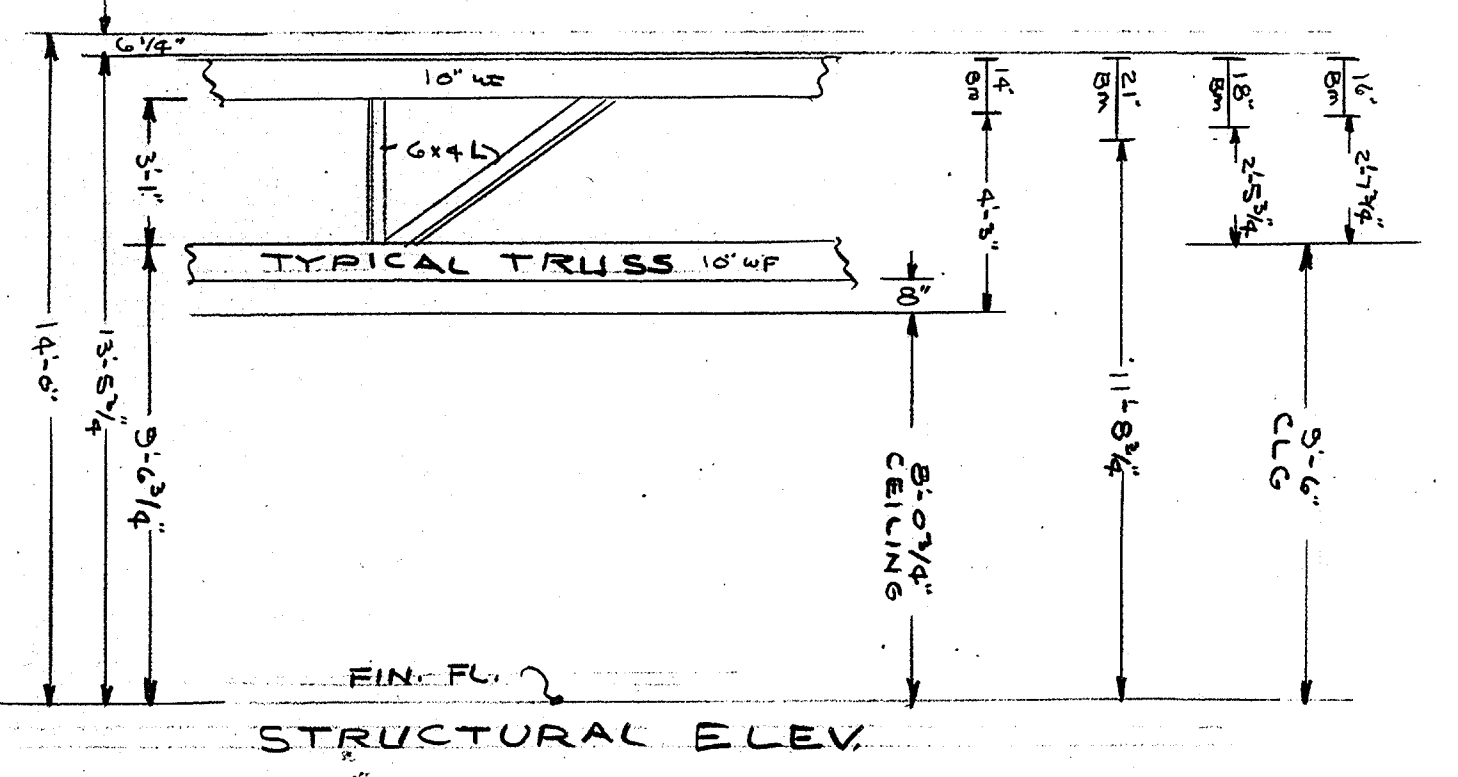
PRINTED DATE	PARTIAL DUCT PLAN OF SECOND FLOOR	
SEPIA	THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH AT HOUSTON	
SEPA	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas	
SEPIA	SCALE 1/4" = 1'-0"	REFERENCE M4- SHEET NO. E-2 7356





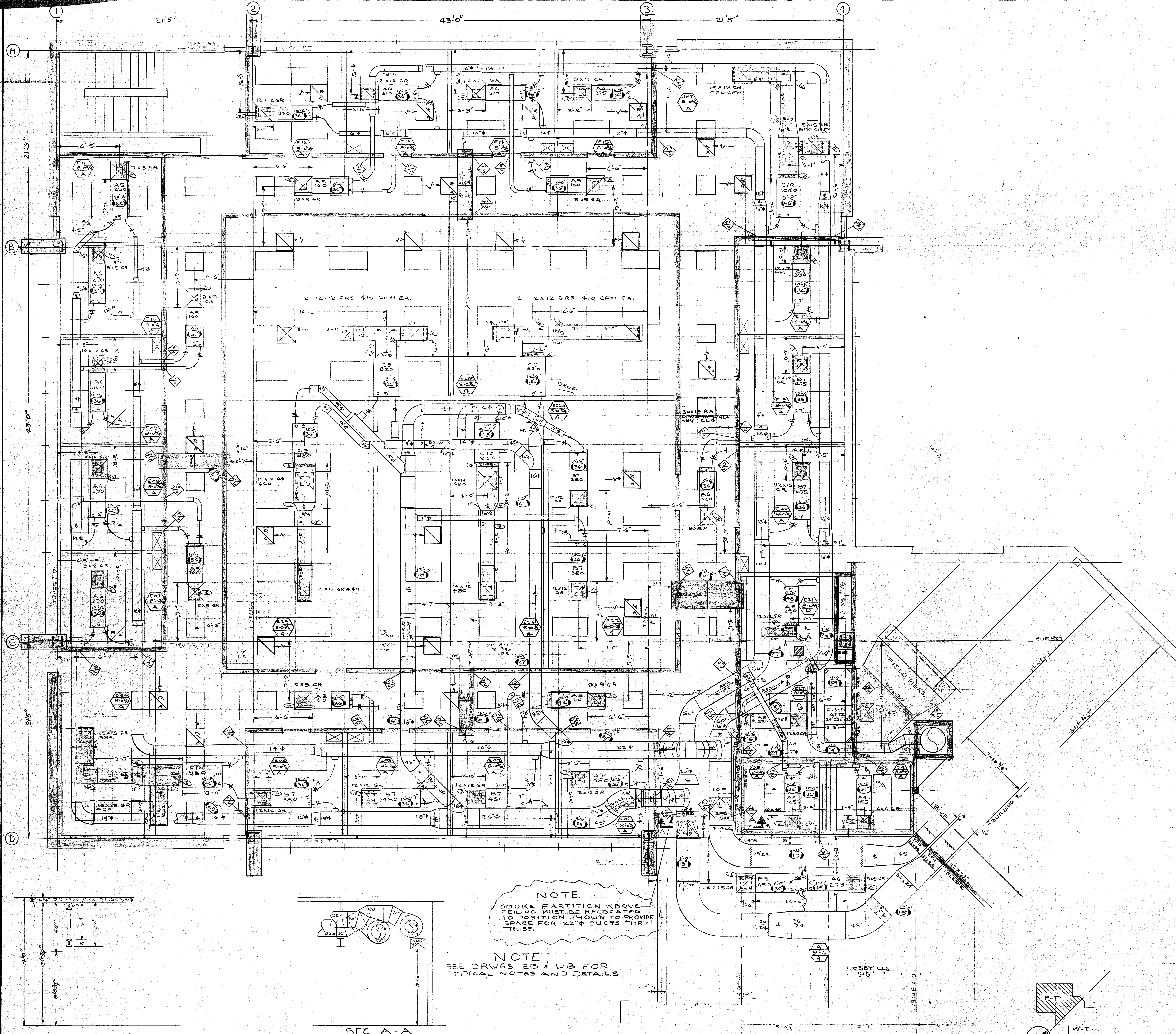
REFERENCE IDENTIFICATION PLANS  
 4' 2" 0  
 1/4" = 1'0"

NOTE  
 SMOKE PART'N ABOVE  
 CEILING MUST BE RELOCATED  
 TO POSITION SHOWN TO  
 PROVIDE SPACE IN TRUSS



PRINTED DATE	3-20-75	PARTIAL DUCT PLAN OF SECOND FLOOR	
SEPIA	3-4-75	THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH AT HOUSTON	
SEPA	6-5-75		
	6-2-75		
	1-6-75		
	3-12-75		
	1-10-75		
DRAWN	GC	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas	REFERENCE:
CHECKED	BC		M4
SCALE	1/4" = 1'0"		SHEET NO.
			E-2
			7358





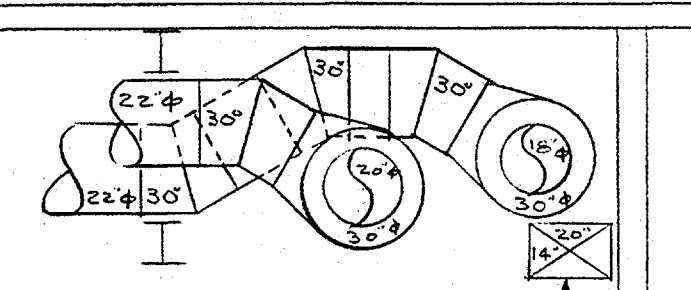
21'-5" 43'-0" 21'-5"

A  
B  
C  
D

2-12x12 GRs 410 CFM EA.

NOTE  
SMOKE PARTITION ABOVE  
CEILING MUST BE RELOCATED  
TO POSITION SHOWN TO PROVIDE  
SPACE FOR 22" Ø DUCTS THRU  
TRUSS.

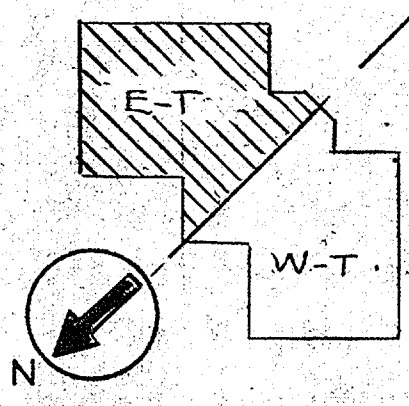
NOTE  
SEE DRWGS. EP & WB FOR  
TYPICAL NOTES AND DETAILS



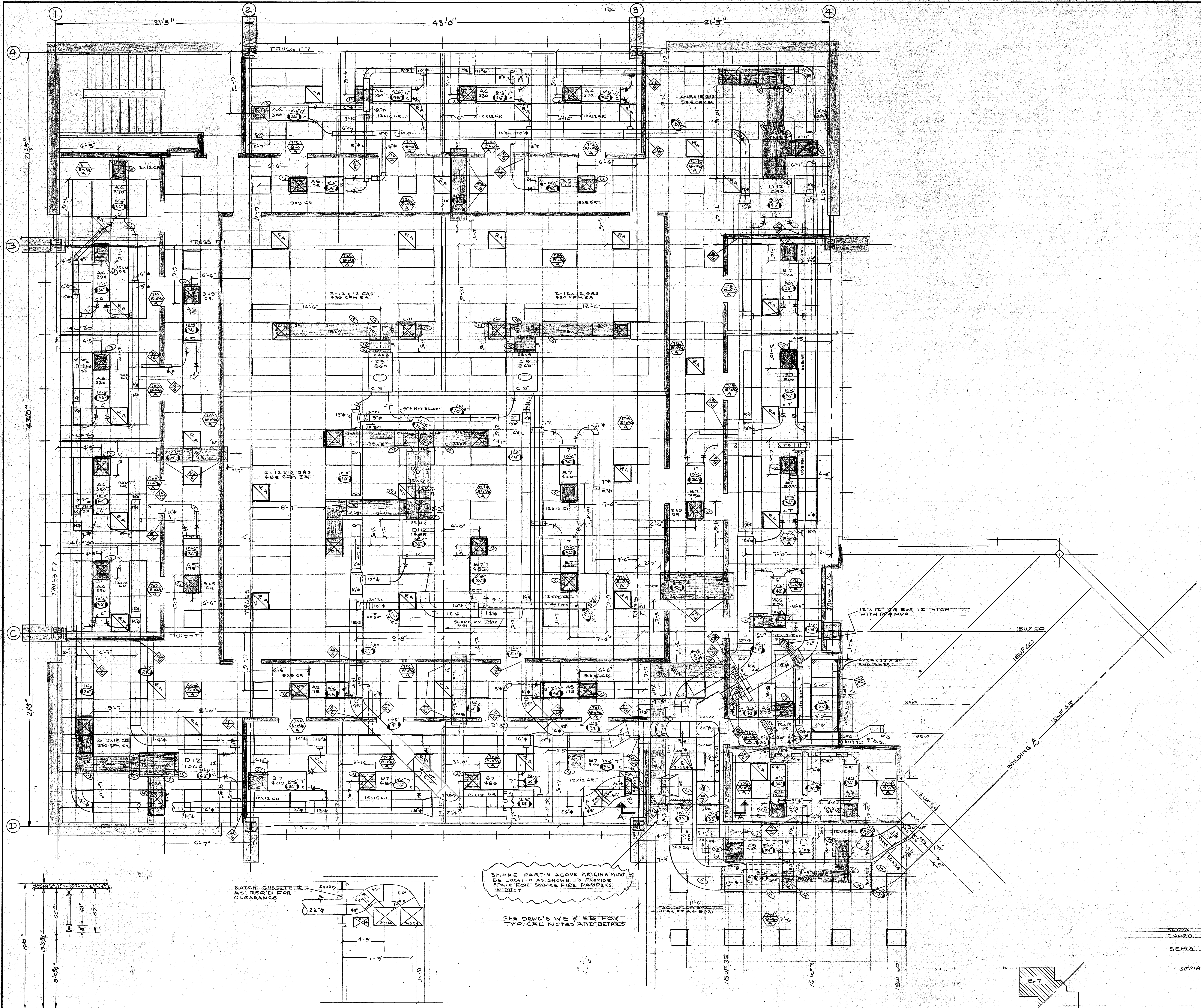
SEC. A-A

REFERENCE IDENTIFICATION PLANS  
4' 2' 0'  
1/4" = 1'0" 4'

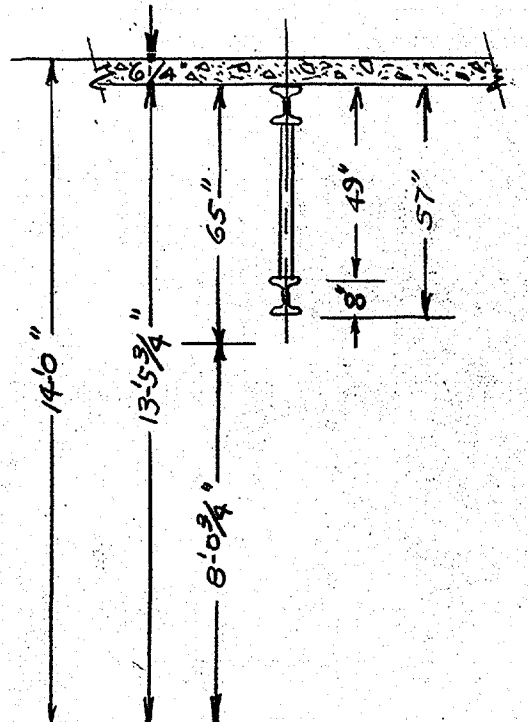
SEPIA	4-1-75	PRINTED DATE	PARTIAL DUCT PLAN, TYP. 3RD FLOOR
SEPIA	4-28-75		
	5-13-75		
	5-30-75		
	5-27-75		
	12-18-75		
	10-5-76		
DRAWN	JWP	REFERENCE:	M/S
CHECKED	B'C	SHEET NO.	
SCALE	1/4" = 1'-0"	INTERNATIONAL SHEET METAL, INC.	
		Sheet Metal Contractor	
		Commercial & Industrial Metal Fabrication	
		Houston, Texas	
		DJO/S	
		3-6 AS	
		JOB	
		7358	







REFERENCE IDENTIFICATION PLANS  
 4'-0" 2'-0" 1'-0" = 1/4" = 1/4" 4'



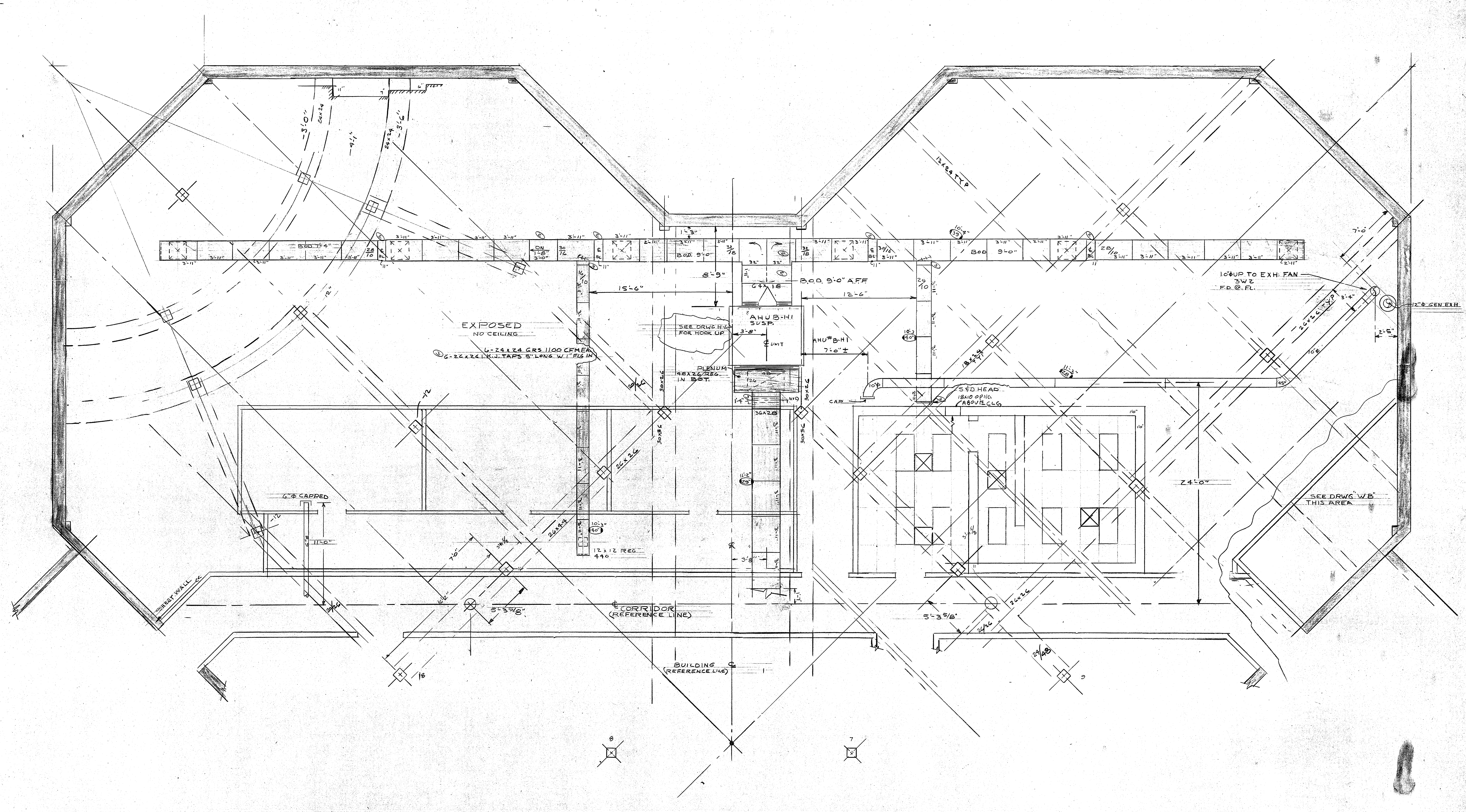
NOTCH GUSSET AS REQ'D FOR CLEARANCE

SMOKE PARTN ABOVE CEILING MUST BE LOCATED AS SHOWN TO PROVIDE SPACE FOR SMOKE FIRE DAMPERS IN DUCT

SEE DRWG'S WB & EB FOR TYPICAL NOTES AND DETAILS

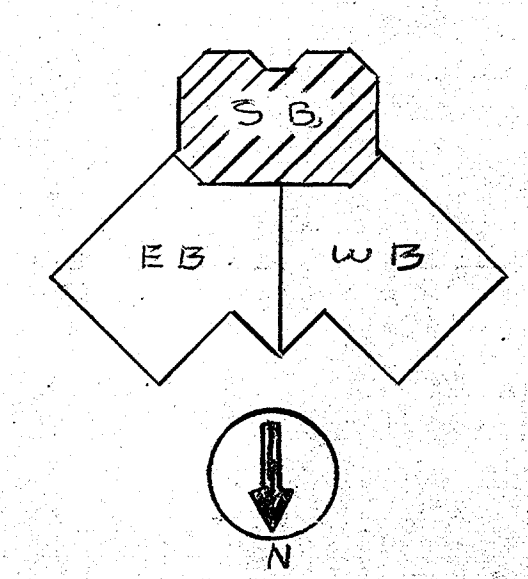
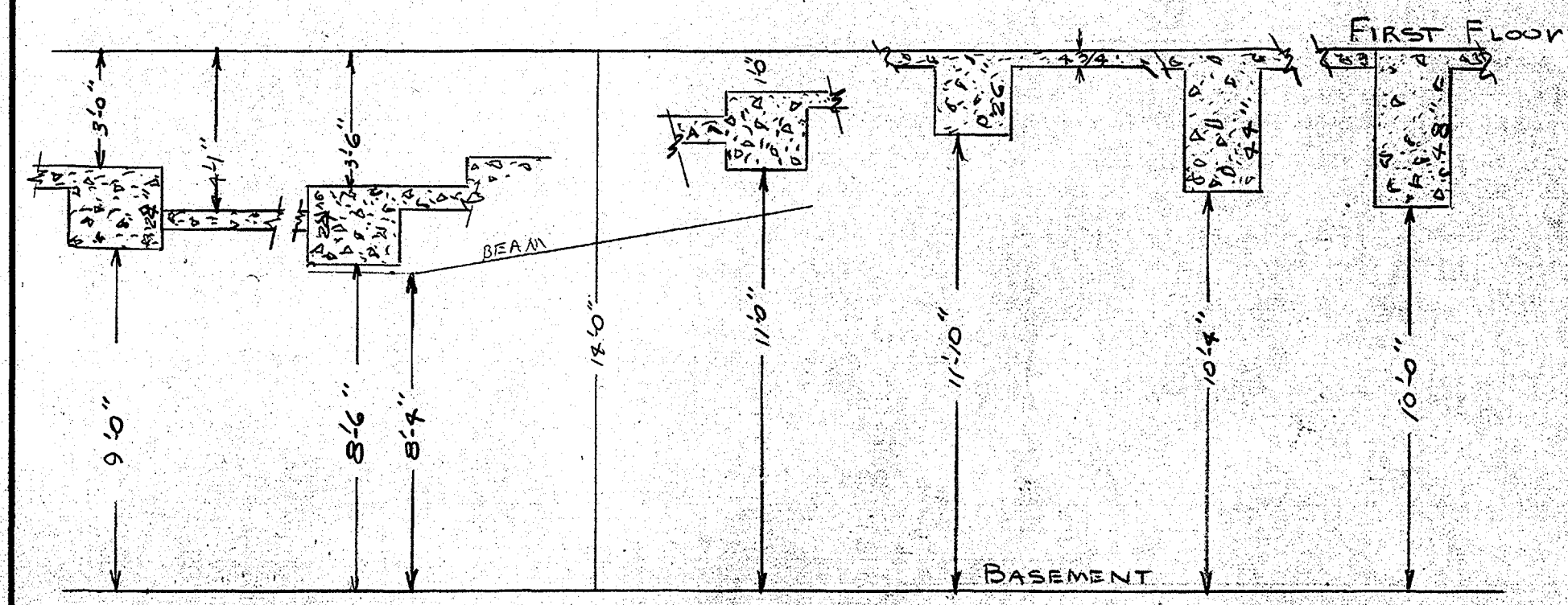
PRINTED DATE	10-10-76	PARTIAL DUCT PLAN of 7TH FLOOR
SEPIA	3-8-75	
COORD.	8-4-75	
	9-25-75	
	10-27-75	
	12-18-75	THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH AT HOUSTON
	3-16-76	
	1-10-76	
DRAWN	JHP	REFERENCE
CHECKED	B.C.	MG-
SCALE	1/4" = 1'-0"	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas
		SHEET NO.
		E-7
		JOB
		7358





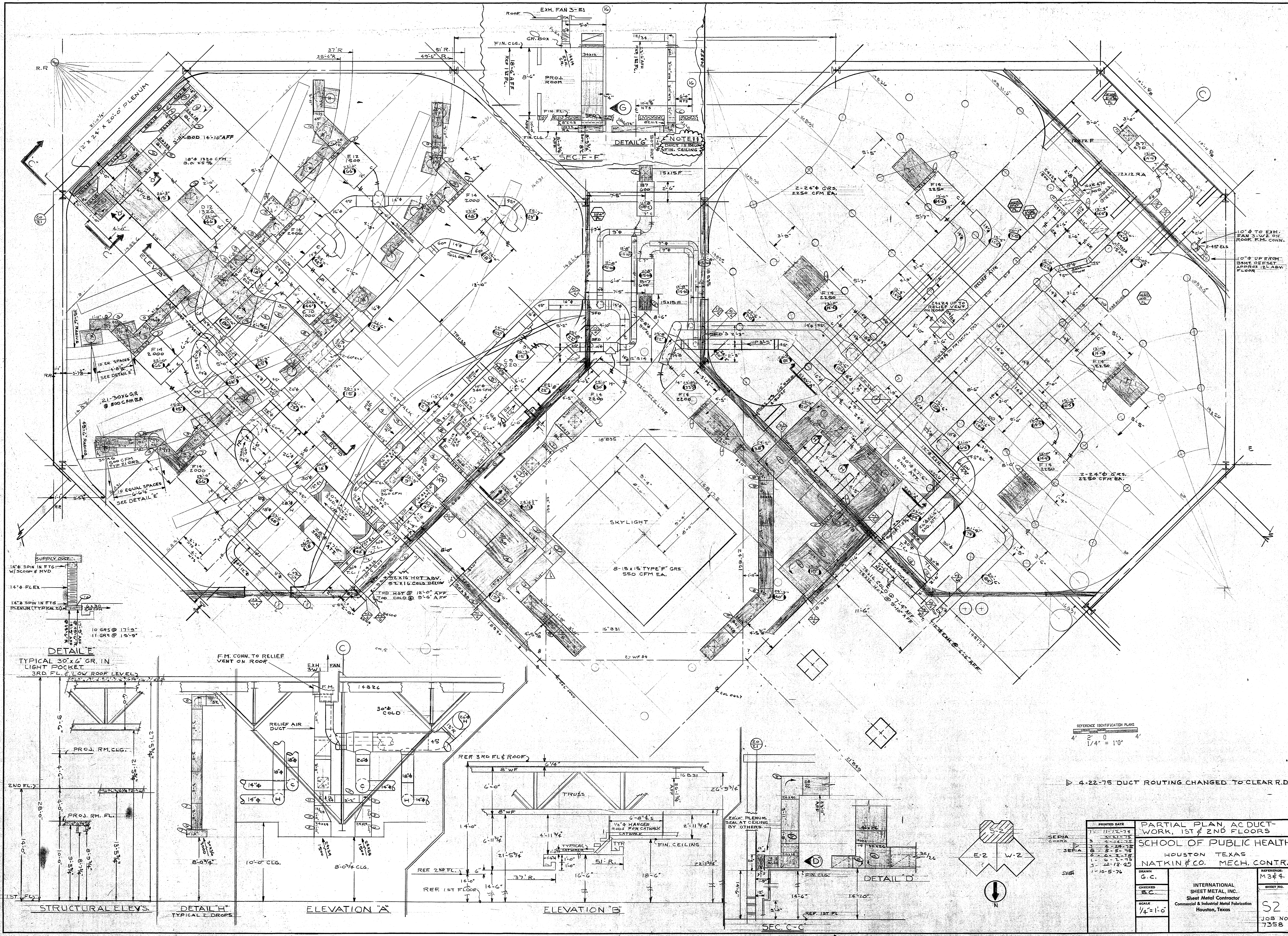
REFERENCE IDENTIFICATION PLANS  
 4" = 0' 4"  
 1/4" = 10'

THIS DRWG COORDINATED WITH PLBG, HVAC PIPING, ELECT. & SPRINKLER CONTRS. 11-12-74 AT JOBSITE MEETING.

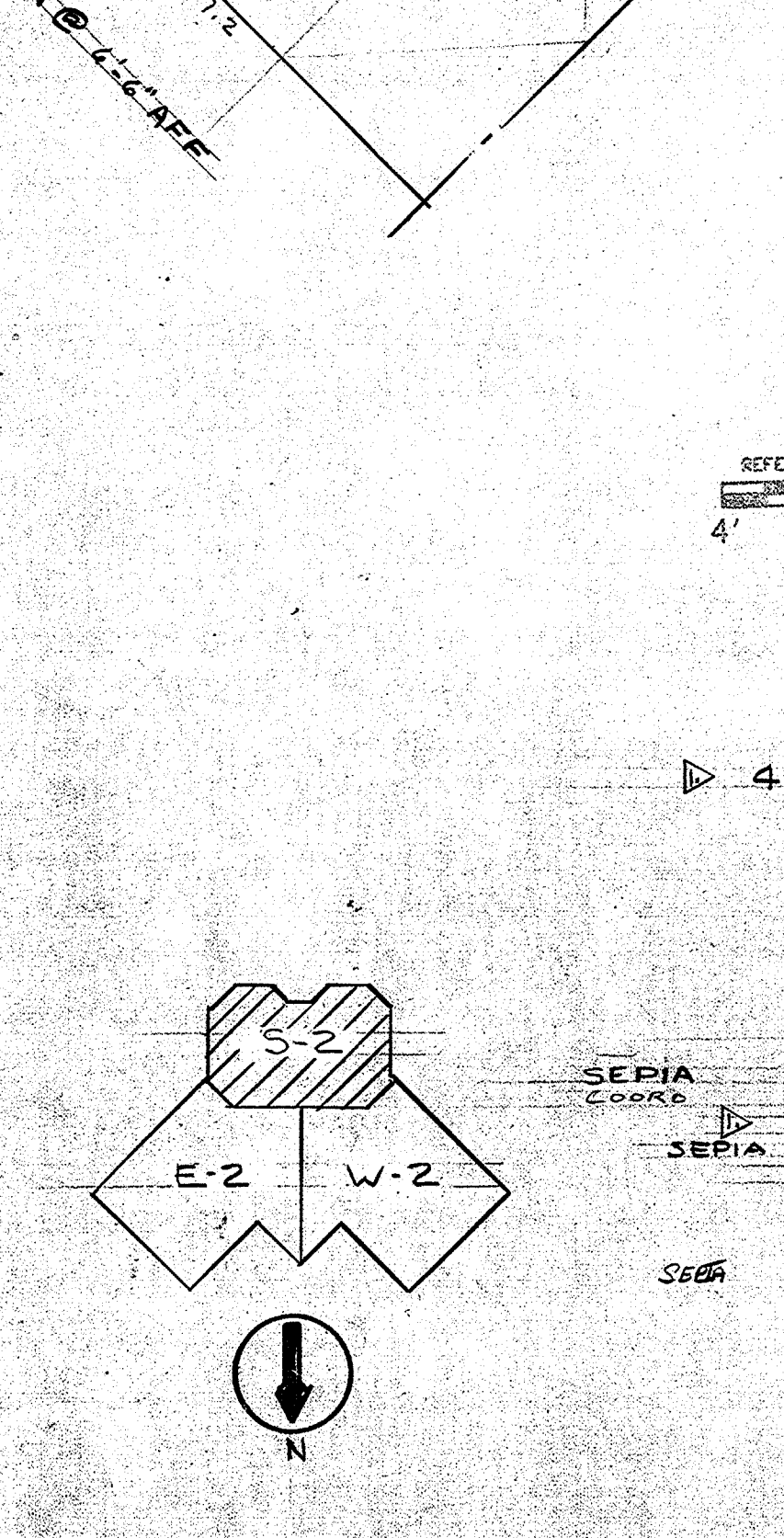
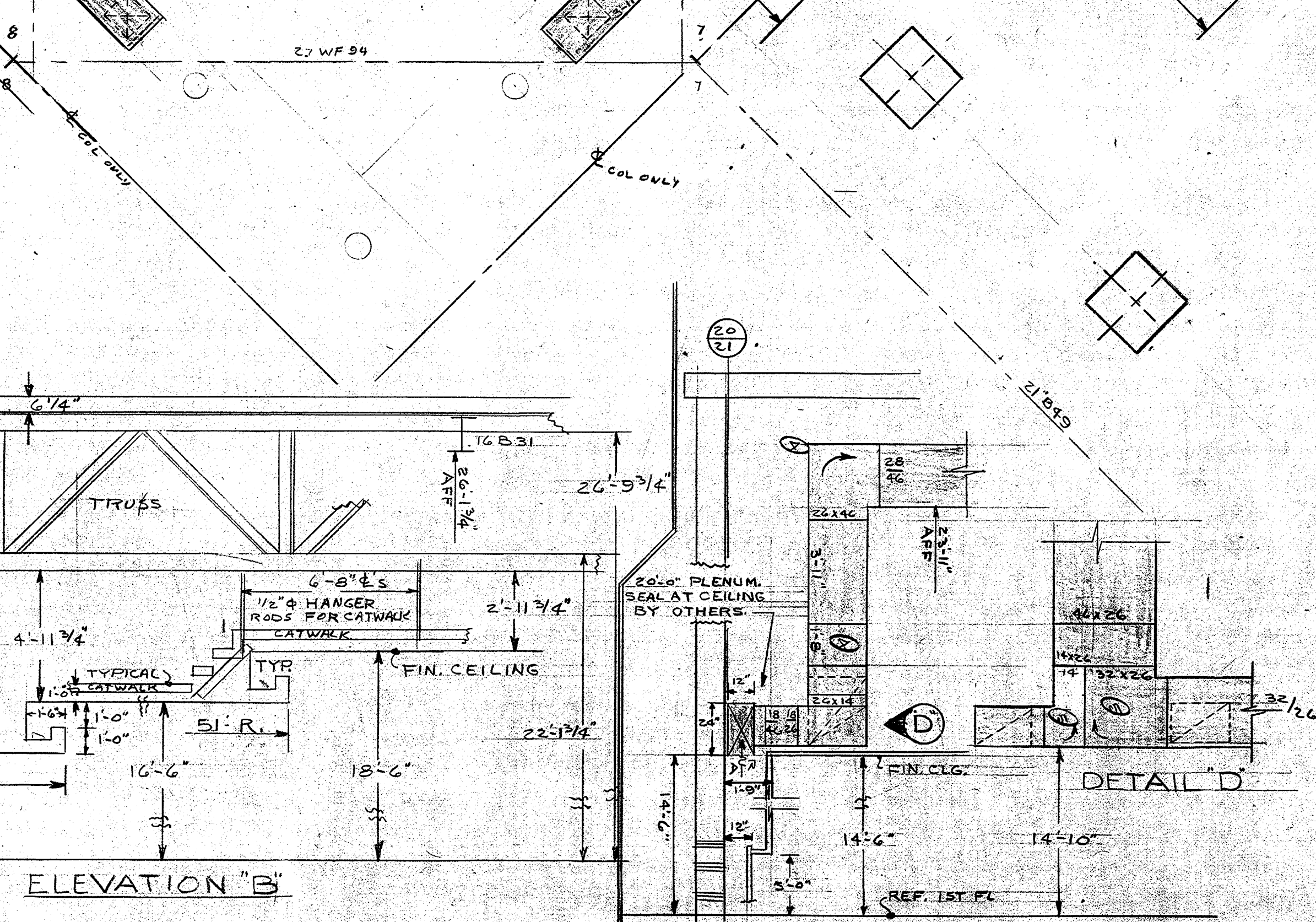
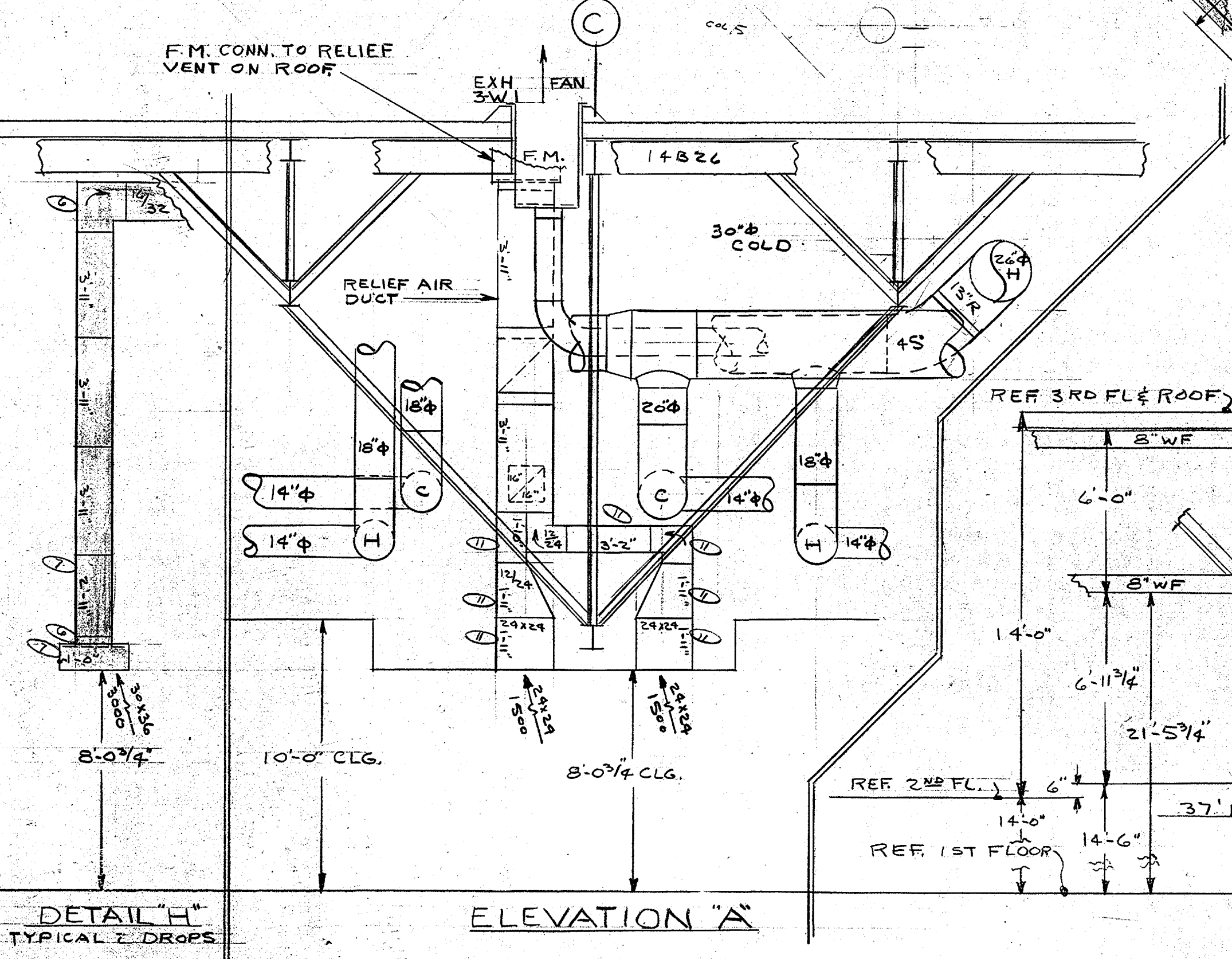


PRINTED DATE 9-22-74	PARTIAL DUCT PLAN OF BASEMENT	
4-2-74	THE UNIVERSITY OF TEXAS	
1-11-74	SCHOOL OF PUBLIC HEALTH AT HOUSTON	
3-17-75	GEN. CONTR. SOUTHWESTERN CONST. CO.	
1-3-75	MECH. CONTR. NATKIN & CO.	
6-2-75	DRAWN BY JPS	REFERENCE M2
1-10-76	CHECKED BY BC	SHEET NO. S-B
	SCALE 1/4" = 10'	JOB NO. 7358
	INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas	





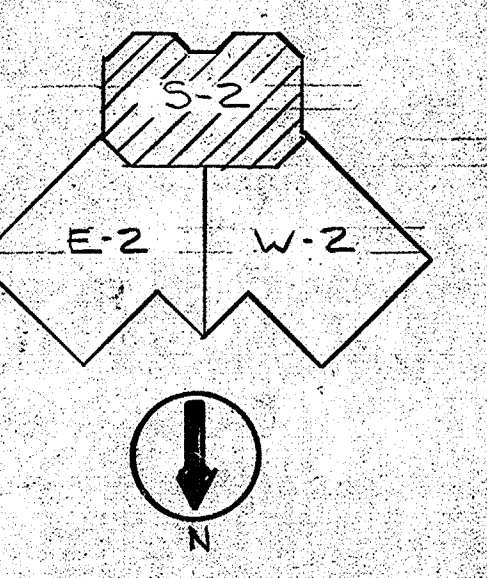
**DETAIL E**  
TYPICAL 30"x6" GR. IN LIGHT POCKET  
3RD FL. & LOW ROOF LEVELS



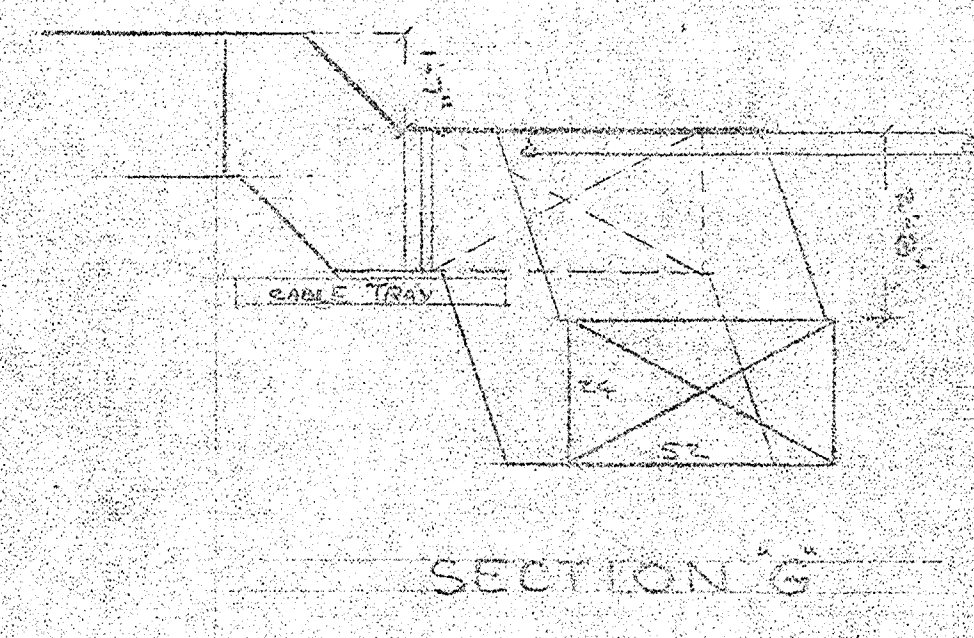
REFERENCE IDENTIFICATION PLANS  
4-20-75  
1/4" = 1'0"

4-22-75 DUCT ROUTING CHANGED TO CLEAR R.D.

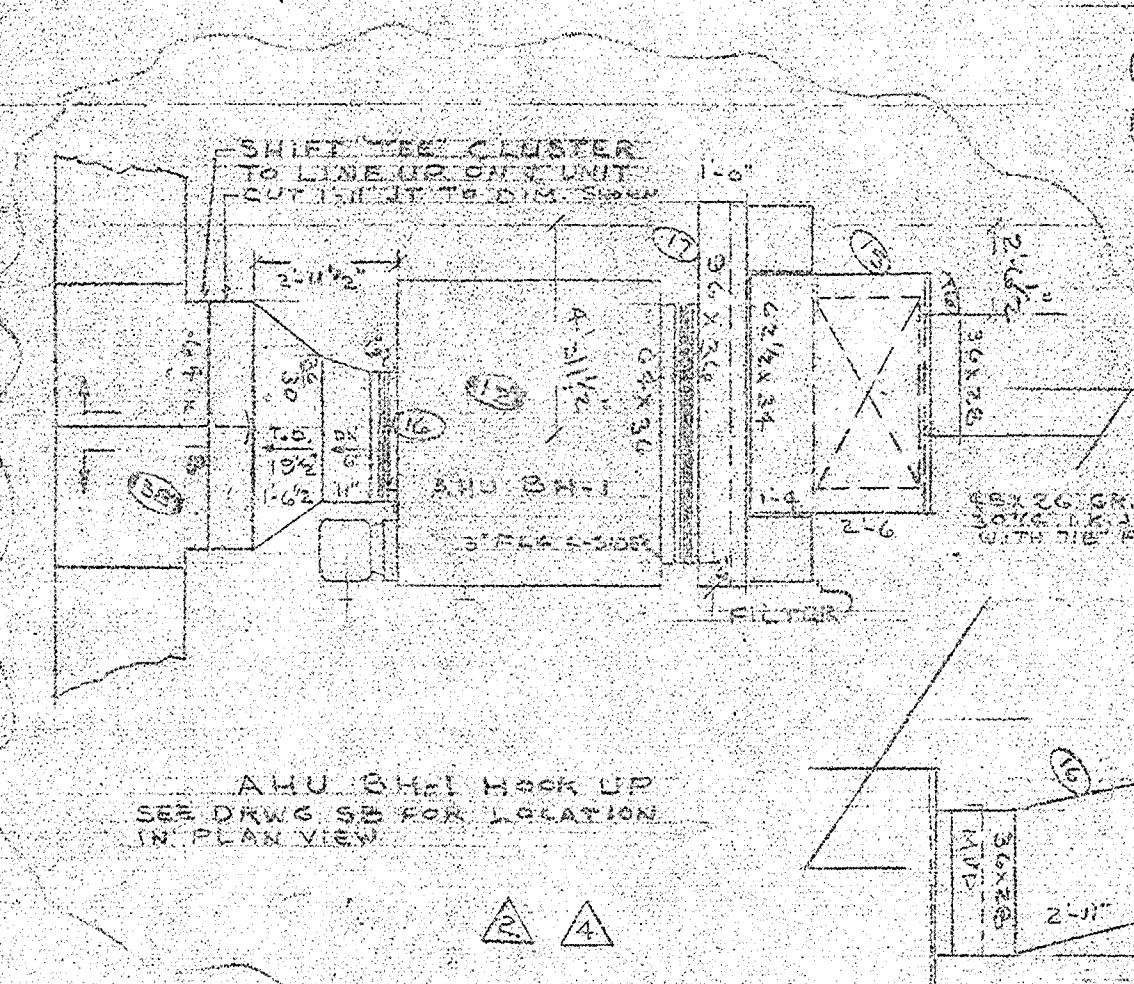
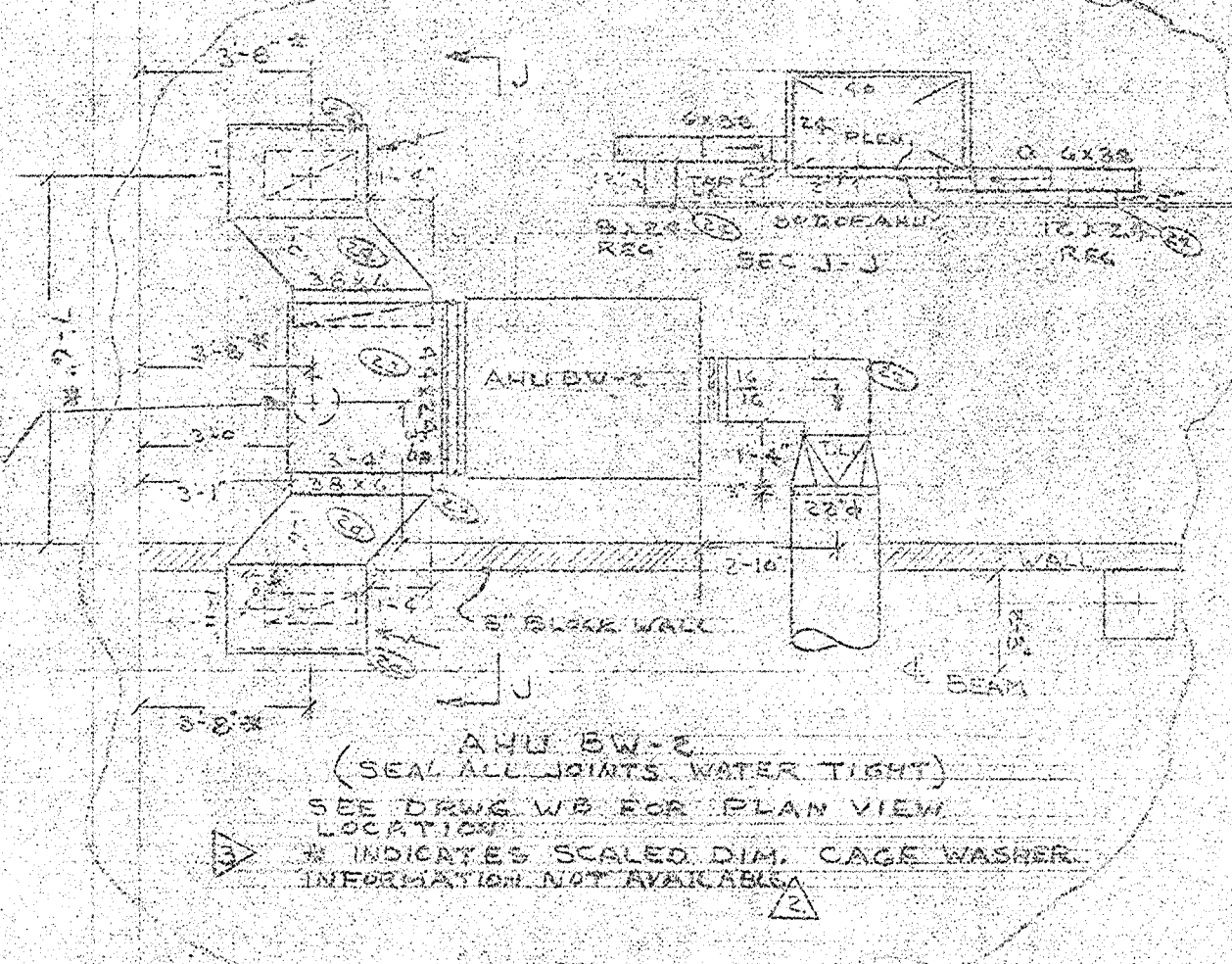
PRINTED DATE	1-17-74	PARTIAL PLAN AC DUCT-WORK, 1ST & 2ND FLOORS SCHOOL OF PUBLIC HEALTH HOUSTON TEXAS NATKIN & CO. MECH. CONTR.	REFERENCE: M3#4
SEPIA	3-14-75		INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas
SEPIA	5-8-75		
SEPIA	6-2-75		
SEPIA	10-18-75		
SCALE	1/4" = 1'-0"		



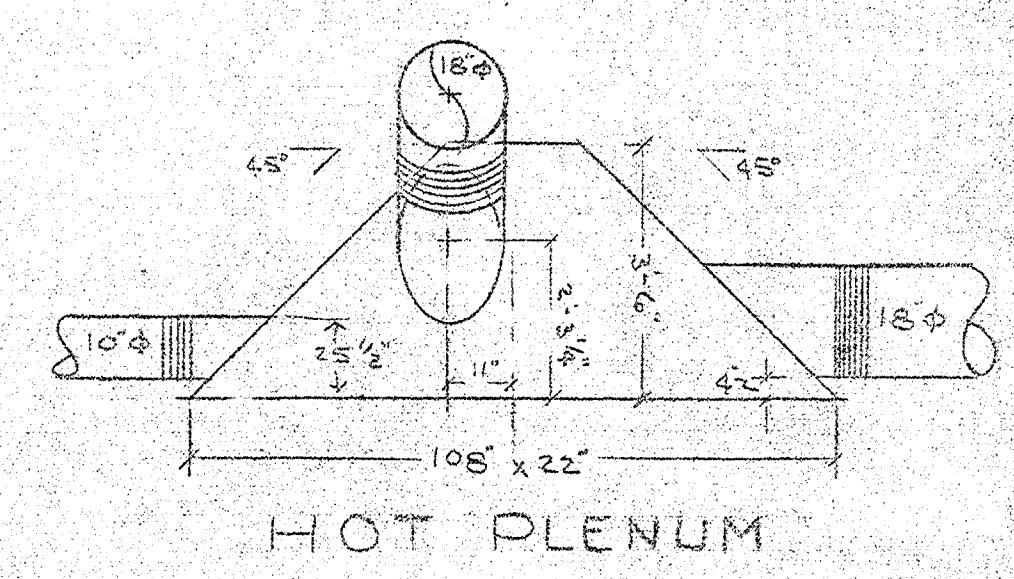




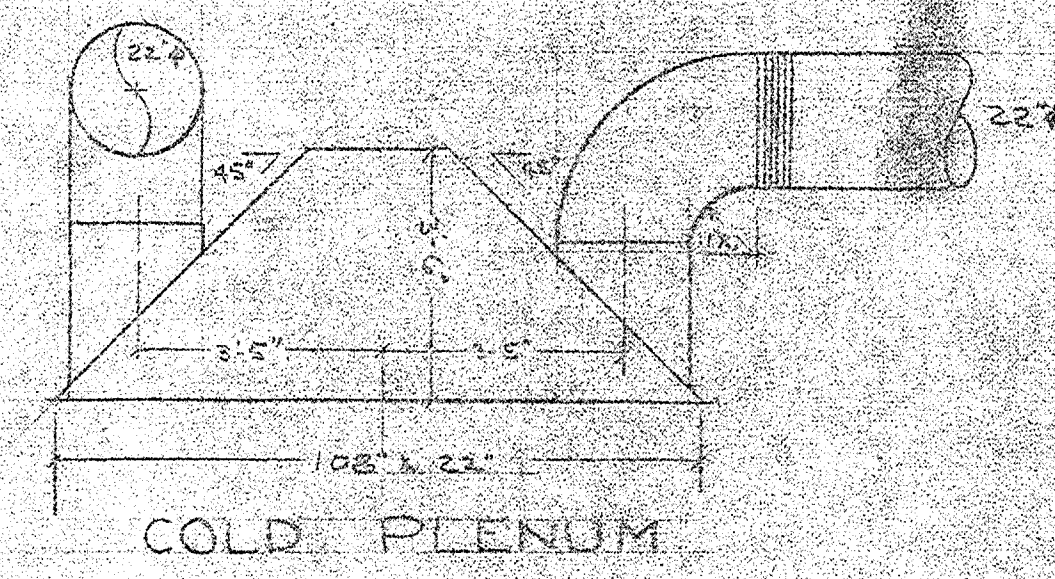
SECTION G



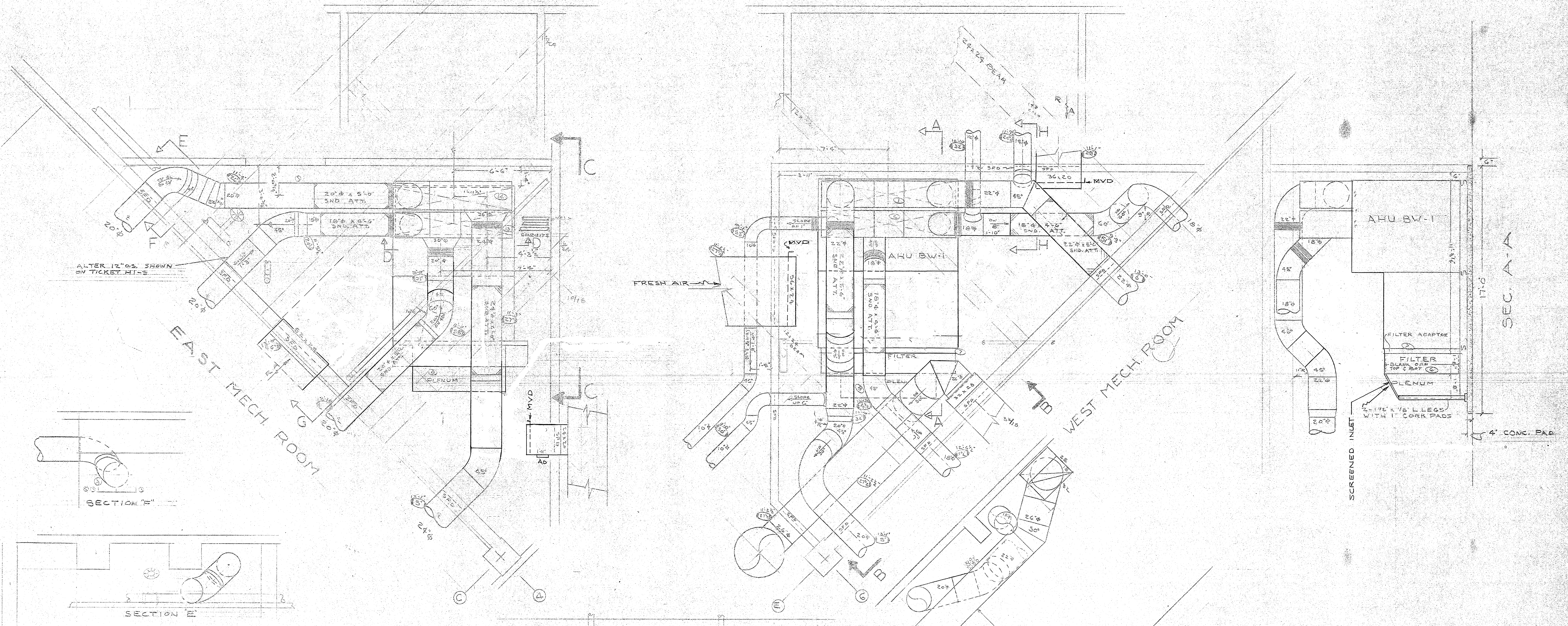
SECTION H



HOT PLENUM



COLD PLENUM



EAST MECH ROOM

WEST MECH ROOM

AHU BW-1

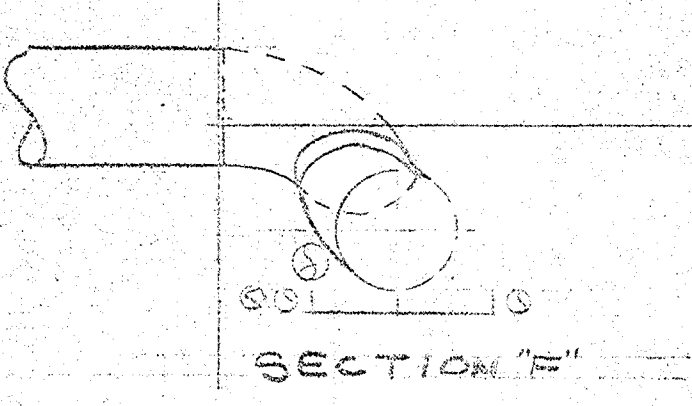
FILTER ADAPTOR

FILTER

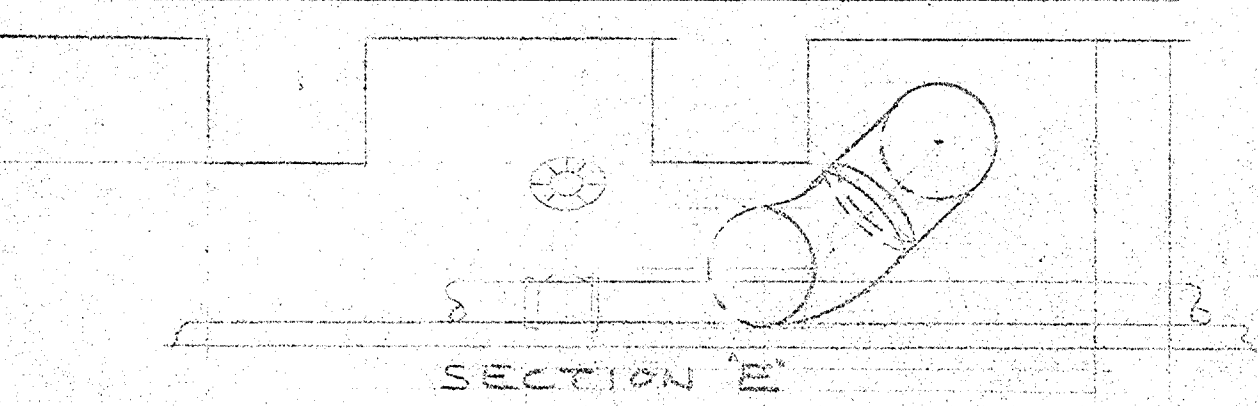
PLENUM

SCREENED INLET

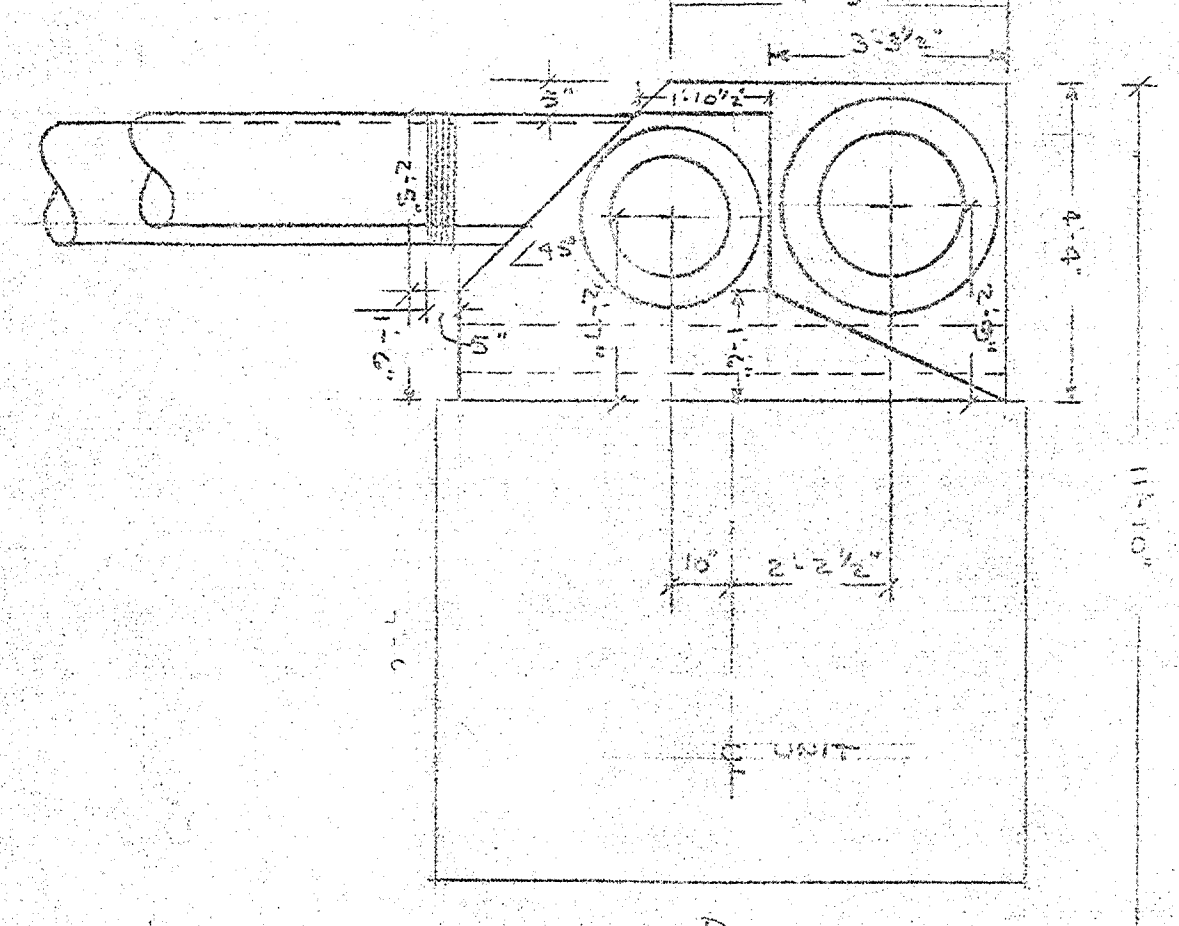
SEC. A-A



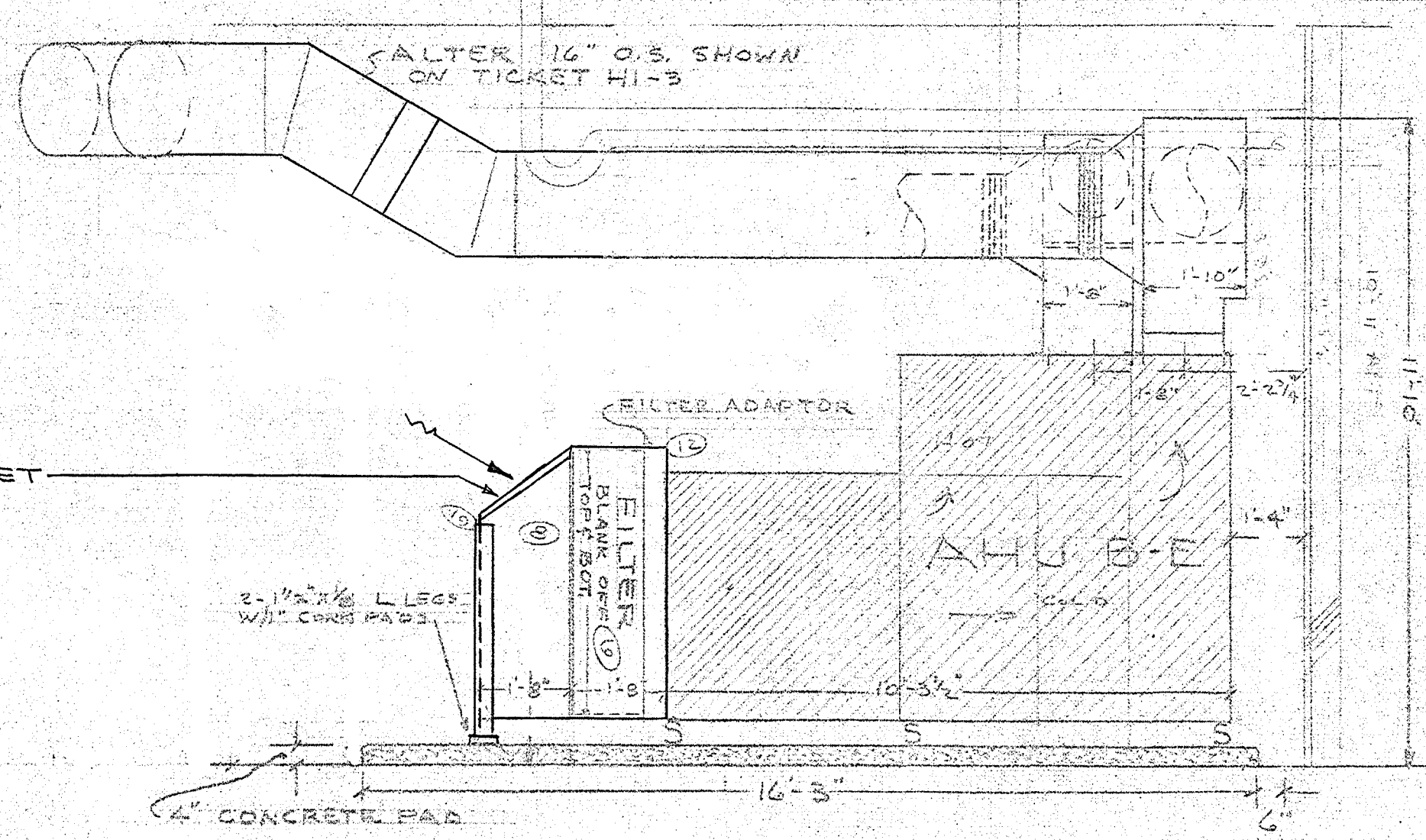
SECTION F



SECTION E



SECTION D-D



SEC. C-C

- 5-28-75 GENERAL REVISION
- 11-18-75 HOOK UPS FOR AHU'S BW-1 AND BW-2 ADDED. SCALE DIMS. ADDED @ AHU BW-2
- 1-13-76 AHU BW-1 LOCATION CHANGED
- 2-6-76

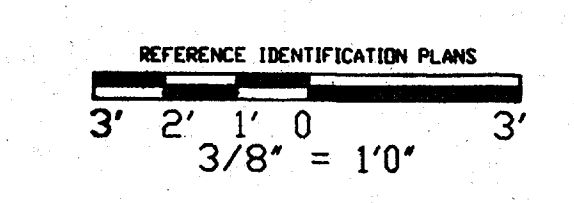
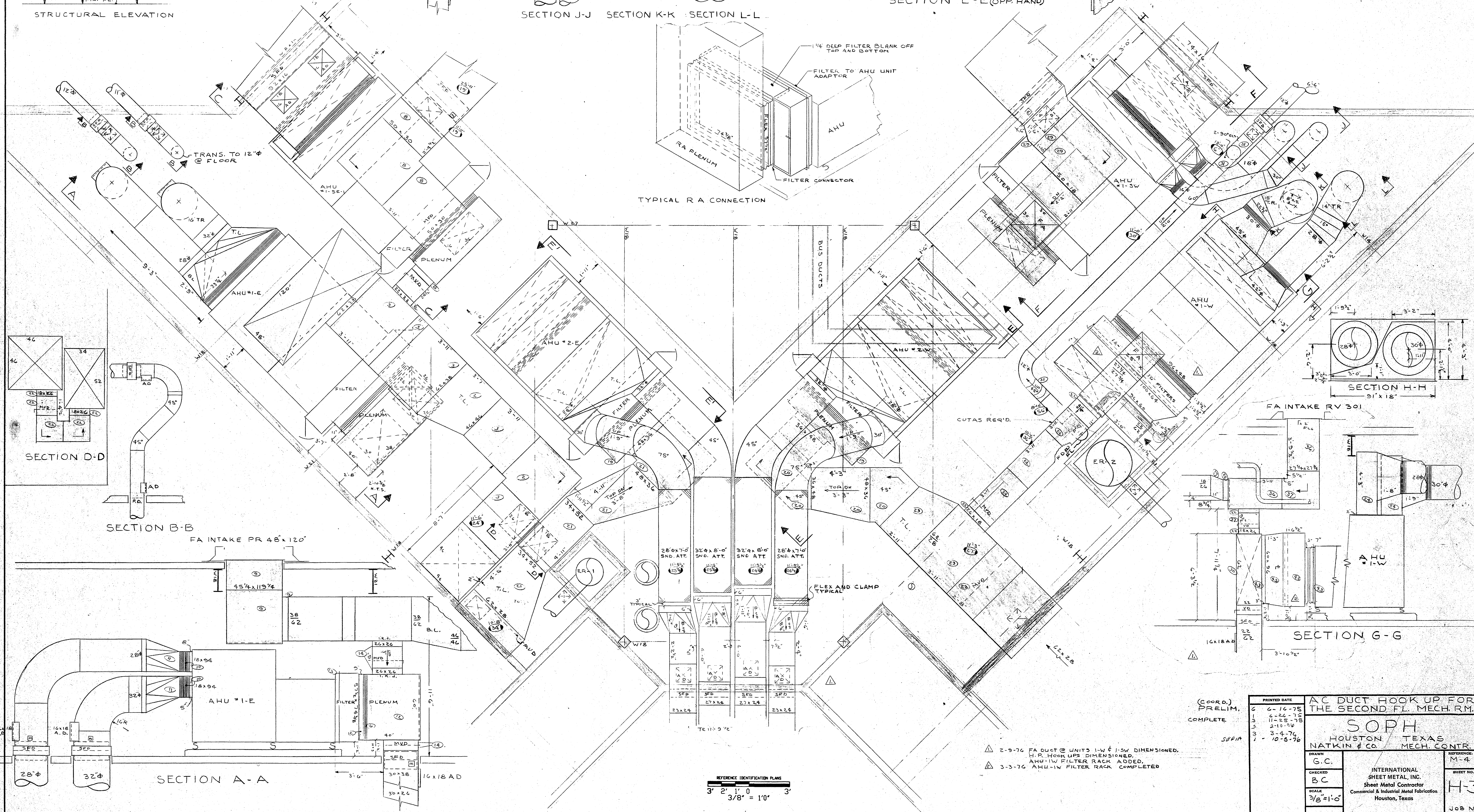
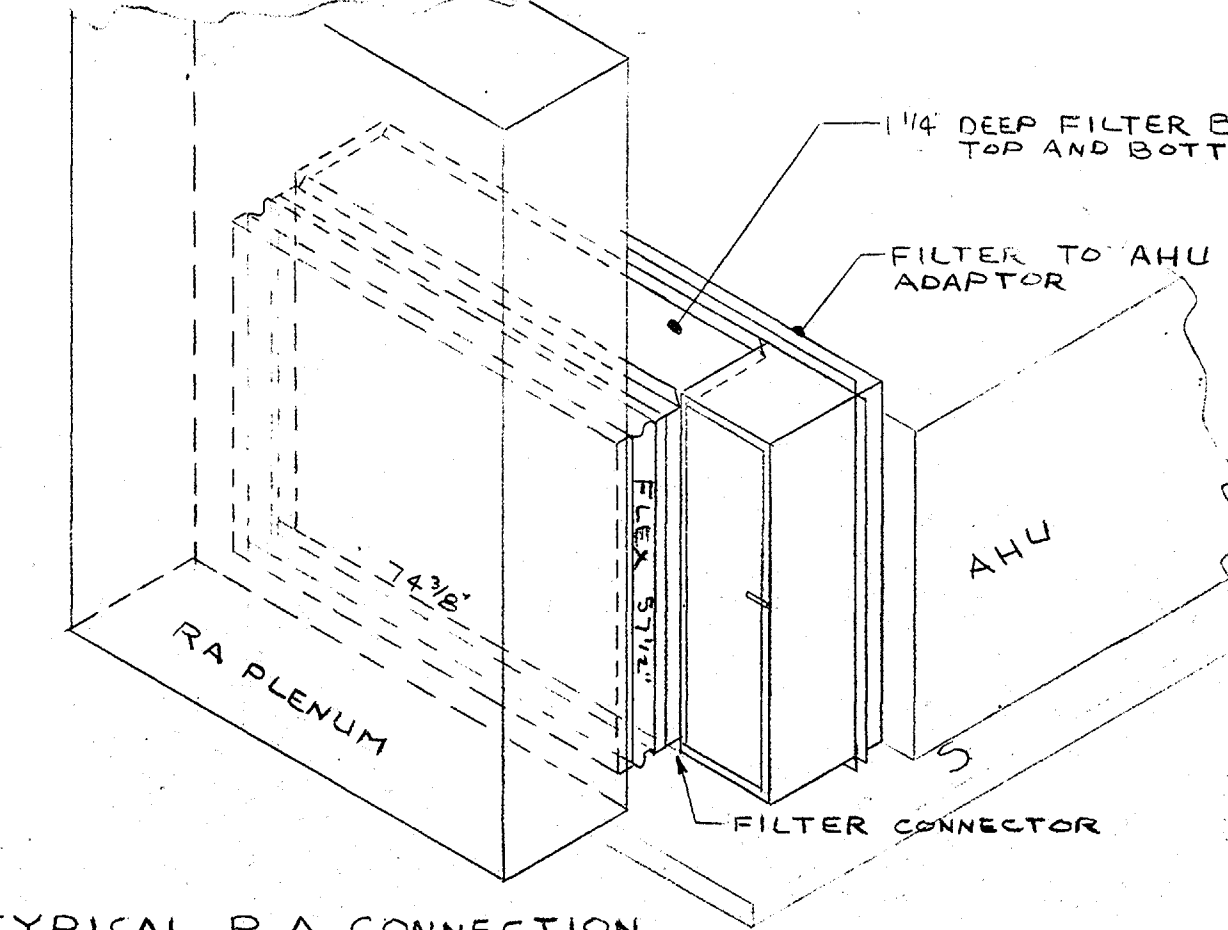
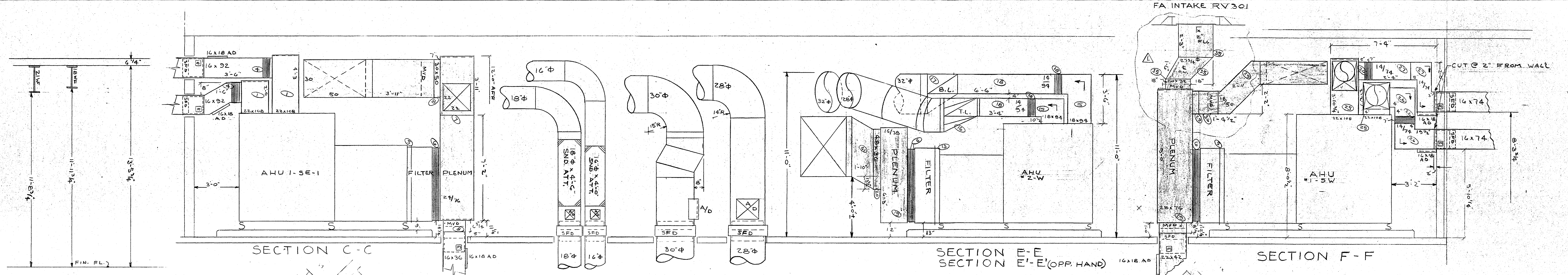
REFERENCE IDENTIFICATION PLANS  
 3' 2' 1' 0' 3'  
 3/8" = 1' 0"

PRINTED DATE	AC DUCT HOOK UPS AND PAD LAYOUTS FOR BEST UNITS BE#BVA	REFERENCE NO.
11-18-75		M-2
5-28-75		
1-13-76		
2-6-76		
1-10-76		
11-18-75		
5-28-75		
1-13-76		
2-6-76		
1-10-76		
11-18-75		
5-28-75		
1-13-76		
2-6-76		
1-10-76		
DRAWN	G.C.	
CHECKED	B.C.	
SCALE	3/8" = 1'-0"	
INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractors Commercial & Industrial Metal Fabrication Houston, Texas		4-1
		JOB NO. 13-28







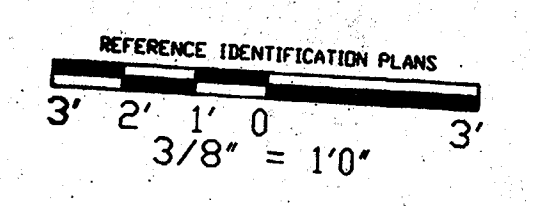
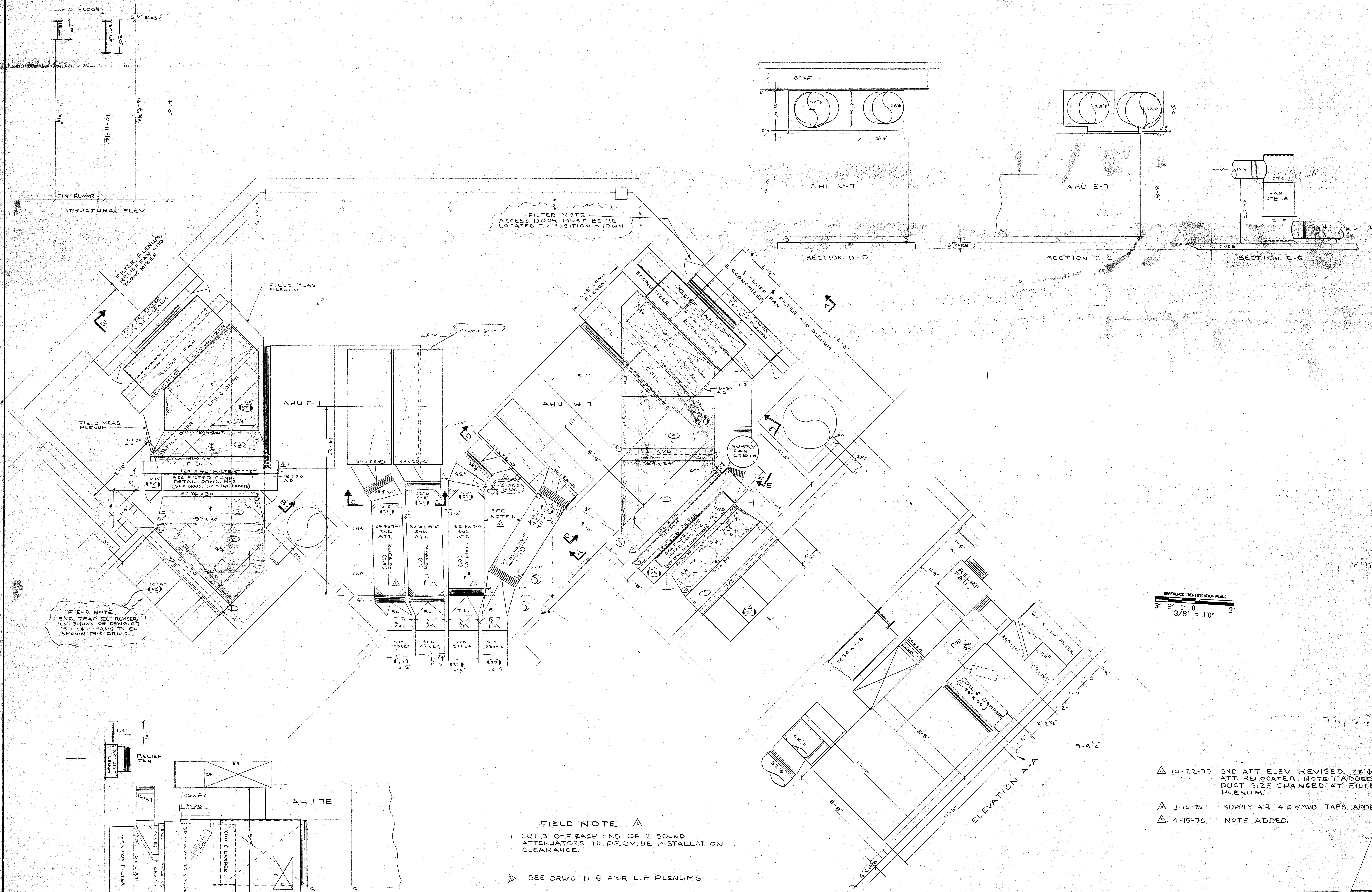


- ▲ 2-9-76 FA DUCT @ UNITS 1-W & 1-SW DIMENSIONED.
- ▲ 3-3-76 AHU-1W FILTER RACK ADDED.
- ▲ 3-3-76 AHU-1W FILTER RACK COMPLETED.

(COORD.)  
PRELIM.  
COMPLETE

PRINTED DATE	6-16-75	AC DUCT HOOK UP FOR THE SECOND FL. MECH. RM.
6-26-75		
11-25-75		
2-10-76		
3-3-76		SOPH HOUSTON TEXAS NATKIN & CO. MECH. CONTR.
3-4-76		
10-5-76		INTERNATIONAL SHEET METAL, INC. Sheet Metal Contractor Commercial & Industrial Metal Fabrication Houston, Texas
DRAWN	G.C.	REFERENCE
CHECKED	BC	M-4
SCALE	3/8" = 1'-0"	H-3
		JOB No
		7358





- ▲ 10-22-75 SND. ATT. ELEV. REVISED. 28"φ SND ATT. RELOCATED. NOTE 1 ADDED. R.P. DUCT SIZE CHANGED AT FILTER PLENUM.
- ▲ 3-16-76 SUPPLY AIR 4"φ WMD TAPS ADDED
- ▲ 4-15-76 NOTE ADDED.

PRINTED DATE	AC HOOK UP FOR THE 7TH FLOOR MECH. ROOM
3 10-2-75	<b>SOPH</b> HOUSTON, TEXAS NATHAN AND CO., MECH. CONTR.
6 10-15-75	
8 10-22-75	
10 3-16-76	
3 4-15-76	
1-10-5-76	
DRAWN	INTERNATIONAL SHEET METAL, INC.
CHECKED	Sheet Metal Contractor
SCALE	Commercial & Industrial Metal Fabrication
	Houston, Texas
REFERENCE	M-6
	SHEET NO.
	H-4
	JOB NO.
	7358