

ADDENDUM #1

FOR

RFP – A&E Design Services for Grand Ballroom Kitchen Renovations

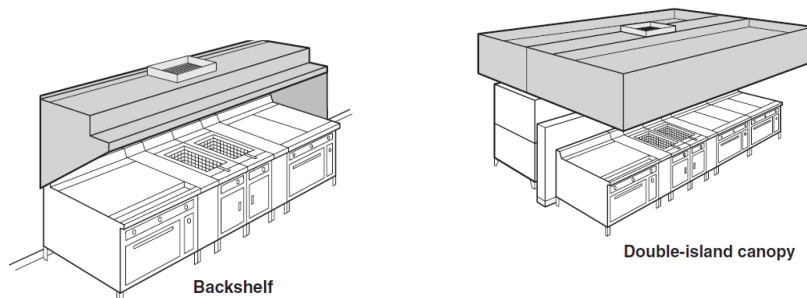
(3/22/2024)

Questions:

- 1) Please clarify the scope of the work for a structural engineer on the project? **Answer: Structural engineer should evaluate roof loading and floor loadings for existing and new loads required for the kitchen renovation.**
- 2) Please clarify the AV/IT scope of work on the project? Does the Convention Center have a designated vendor? **Answer: AV/IT would only be needed for the office and security camera installation(s) in the kitchen. PCC will be taking care of any IT and AV needs separately.**
- 3) Will the “Kitchen Equipment”, which are shown on the Kitchen Consultant’s Drawings be pre-purchased by the Pennsylvania Convention Center (PACC) or purchased by the General Contractor? **Answer: Everything will be purchased by the GC.**
- 4) Other than providing the infrastructure and utilities for the Kitchen Equipment and including the installation of the Kitchen Equipment in the General Contractor’s Scope of Work, what other responsibility will A/E Firm have related to the Kitchen Equipment? **Answer: Floor drains/troughs will have to be evaluated for additional structure steel that might be needed.**
- 5) Who will manage the distribution of shop drawings for the Kitchen Equipment Shop Drawings and Submittals? **Answer: PCC will be hiring an outside construction manager for this project.**
- 6) Who will be responsible for the Approval for the Kitchen Equipment shop drawings? **Answer: The kitchen consultant (Corsi) will be responsible for those.**
- 7) Can you provide a post design project schedule that includes Bidding and Construction that can be used to determine the number of bi-weekly meetings? **Answer: We anticipate from bidding to final construction completion it will take 18 months.**
- 8) The Architectural Scope of Work will be limited to removal of existing walls and installation of new walls, which are shown on the Kitchen Consultants drawings, new drop ceiling, new floor, and new washable veneer panels on existing block walls? **Answer: All of the above are included, but the final scope is not limited to those items. Final scope will be determined during the engineering design process.**
- 9) Can you provide drawings for the existing sprinkler system is a wet system, confirm that modifications to it are part of the A/E Scope of Work and there are sprinkler heads above and below the drop ceiling? **Answer: Existing system is a wet system. All sprinklers are below the ceilings and hoods. Project to include the removal and replacement of the entire sprinkler system in the kitchen. We don’t believe we have drawings for the current system.**

- 10) What does DFA on drawing FS1.2 stand for? **Answer: DFA means ‘Down From Above’.**
- 11) The Scope of Services includes the following item: “An evaluation of the existing Grand Ballroom Kitchen and schematic kitchen equipment layout.” Please confirm that the evaluation is of the Kitchen Consultant’s (Corsi Associates) Grand Ballroom Kitchen and Schematic Kitchen Equipment Layout Drawings. **Answer: Correct. Evaluation of those both.**
- 12) Are the Kitchen Consultant’s (Corsi Associates) Grand Ballroom Kitchen and Schematic Kitchen Equipment Layout Drawings complete? **Answer: The final design will be completed during the A/E design phase.**
- 13) Other than the drawings included with the RFP, are there other Record Drawings for the Kitchen or the Equipment and Systems serving the Kitchen that we can depend on for our evaluation of the mechanical, electrical, plumbing, sprinkler, and fire alarm system? **Answer: Some additional drawings were found and attached to this addendum for your use. That is the extent of the drawings we have.**
- 14) Is the ceiling within the existing kitchen used as a return air plenum? **Answer: We believe it is, but will need to confirm during design phase.**
- 15) If the answer to the previous question is yes, can it continue to be used as a return air plenum? **Answer: If acceptable by current code.**
- 16) Given that no kitchen hood exhaust energy recovery system was included in the new kitchen equipment list, can you confirm that this is not needed on this project? **Answer: Correct. No energy recovery system is needed.**
- 17) The Corsi drawings list three (3) Commercial Kitchen Exhaust Hoods and note that there is a control panel and fire suppression system for each of them. Can you provide more details on the hoods?
- Namely, are they Type 1 or type 2? **Answer: We don’t have the final design details for the equipment. That will come during the A/E design phase.**
 - How do you foresee supporting the hoods and, if not backshell, separating their controls?

NFPA 96 shows the following types of non-wall mounted hoods:



The operation of back-to-back Backshell Hoods would be independent of each other and require two control panels, whereas the operation of one Double-Island Canopy Hood would use one control panel. **Answer: This will be determined during the A/E design process along with Corsi.**

- 18) Regarding the Corsi drawings that show two (2) Captive-Air Utility Distribution Systems (UDS) that include the electric, water and gas lines to the equipment they serve. Please respond to the following questions:
- Will the USDs be factory built and delivered to the site as an UL or similar acceptable listing, assembly that includes the power distortion equipment and control panel in accordance with their UL Listing or the NEC? **Answer: Corsi drawings are schematic and final details will be determined later.**
 - For the USDs will the construction drawings only show the points of connection to the electric feeder, water and gas connections and the control interlocks circuits and reference the UDS shop drawings? **Answer: Corsi drawings are schematic and final details will be determined later.**
 - Unlike other Kitchen Equipment Shop Drawings, will the A/E review and approve the USD shop Drawing? **Answer: Corsi will select the USD, but A/E will have to assist in reviewing USD shop drawings and coordinate with Corsi for the kitchen/engineering design needed for it.**
- 19) Will the new hoods be self-wash type and will Corsi specify the equipment. **Answer: Corsi will determine the specific equipment during the design phase.**
- 20) Regarding the Corsi drawings that show the Hood Wiring Diagram, please respond to the following questions:
- Other than evaluating the existing makeup air units for the new kitchen equipment, can we assume they can be used as they are? **Answer: Design should include replacement of existing makeup air units.**
 - Will the makeup air units, which normally supply registers in front of the hoods, be connected to the hood as diagrammatically shown in the Hood Wiring Diagram? **Answer: That will have to be determined later in the design.**
 - Can our design deviate from the Hood Wiring Diagram where we can so that such deviations are required and/or would benefit the PACC? **Answer: Everything should be coordinated with the kitchen consultant (Corsi).**
- 21) Please clarify if new floor drains will be required and if there is an interstitial space below the kitchen that will need to be made accessible? **Answer: New floor drains are required and there will be space below that kitchen that will need to be made accessible.**
- 22) Please confirm that all existing wall and floors finishes, and all equipment including all MEP equipment is to be demolished in the ballroom kitchen with the exception of the hot water generator and electrical panels located in the northeast corner of the kitchen? **Answer: Yes. Clarification – domestic hot water heater to remain. All electrical panels in the kitchen are to be replaced.**
- 23) Please confirm if it is the intent to modify as needed but not replace the entire fire sprinkler system? **Answer: All kitchen hood fire protection systems and entire wet sprinkler system within the existing kitchen should be replaced.**

- 24) Please clarify if we are removing the existing mechanical equipment on the roof or just adding the six units shown on Corsi drawing FS-1? Is it the intent to make new roof openings which will require repairs to the existing roofing system which is still under warranty? **Answer: All old units on the roof are to be removed and replaced with new units. We will need to make new roof openings to accommodate any additional equipment and/or adjust current openings to accommodate the new equipment.**
- 25) Are the hoods to be supported from the existing steel joists of the roof? **Answer: This will need to be determined by the A/E firm during the design.**
- 26) Will PCCA provide a scissor lift to enable us to perform a field survey of the existing steel joists above the kitchen? **Answer: Yes, we will provide a scissor lift for surveying.**
- 27) Removal of the drop ceiling above the kitchen will be required to survey the underside of the roof framing. Will we be permitted to do this or do we need a union contractor? **Answer: PCC will have our staff remove ceiling tiles for the inspection.**
- 28) Are the ‘QV-SERIES CONDENSING UNIT’ to be supported on the roof? **Answer: Most likely.**
- If yes, where are these rooftop units to be located? **Answer: To be determined during the design process.**
 - What other rooftop equipment is to be installed? **Answer: To be determined during the design process.**
- 29) Are there existing fall protection systems? **Answer: There is not.**
- Should we include 42-inch high guard rails, horizontal safety lines and/or fall protection anchor points on the roof overlying the grand ballroom kitchen in our design scope? **Answer: Include fall protection per code.**
 - Does the path on the roof leading to the proposed rooftop equipment have fall protection? If not, is this to be included in the scope? **Answer: This should be reviewed by the A/E firm and included if needed per code.**
- 30) Is the existing floor structure to be evaluated for the proposed kitchen equipment? **Answer: Yes.**
- What is the design live load capacity of the concrete-framed and steel-framed floor structure of the kitchen? **Answer: To be determined by the A/E firm.**
 - Are the approved steel shop drawings (prior to fabrication) available of the as-built steel-framed connections (e.g. bolts, welds, angles sizes)? **Answer: Yes, see attached drawings.**
 - Is the concrete-filled metal deck to be evaluated for the concentrated loads of the kitchen equipment (i.e. punching failure of the concrete underlying the base plates – where the concrete punches through and fails in shear)? **Answer: A/E should evaluate the concrete floor as needed for the concentrated loads of equipment. Evaluation to be determined by A/E.**
 - Does the existing concrete beam and concrete structural slab floor framing located to the north of Colum Grid X require structural evaluation? Is complete documentation of

this region of concrete framing available? **Answer: To be determined by the A/E during design process. We do not have complete documentation of that framing.**

- 31) Is the space below the kitchen floor accessible for the installation of underfloor utilities? Is there a walkable structure below the kitchen floor or does Arch Street directly underly the floor framing of the kitchen? **Answer: The underside can be seen on the East and West ends of the kitchen by removing ceiling panels on the floor below. The center of the kitchen is covered by a hard ceiling so piping can not be seen there currently.**
- 32) Can the underside of the existing floor framing be examined? If there is not accessible space underlying the kitchen floor, will PCC provide a scissor lift to enable us to perform a field survey of the framing? **Answer: Yes, we will provide a scissor lift. See above for what is easily accessible.**
- 33) Are the drain lines and utilities to be installed below the concrete-filled metal deck (field core drilling holes as required) or is there a desire to embed the drain lines and utilities into the depth of the existing concrete-filled metal deck? **Answer: All utility drain lines will go below metal deck. No embedding.**
- 34) Is existing quarry tile floor to be demolished and will the setting of a new bed be required for the new kitchen floor? **Answer: Project includes new epoxy flooring. Process for installing new floor system to be determined by A/E.**
- 35) To what depth are the existing floor finishes to be removed? **Answer: To be determined by A/E.**
- 36) Will the 3 existing hood exhaust fans on the roof be removed? If yes, given that the new kitchen has 4 kitchen exhaust hoods, does PCC want separate exhaust fans for each kitchen exhaust hood? **Answer: Yes they will be removed. We anticipate having 4 separate exhaust hood fans.**
- 37) Will the new kitchen ceiling be the same height as the existing kitchen ceiling, believed to be about 8'6"? **Answer: To be determined during the design process.**
- 38) Will the existing gas fired water heater get replaced? **Answer: Existing water heater remains.**
- 39) What is the total exhaust cfm for the kitchen hoods? **Answer: To be determined.**
- 40) The existing make-up air unit does not include cooling as required by code, should the make-up unit be replaced with a unit that provides cooling? **Answer: Yes, new make-up air unit should meet code.**
- 41) Will the air handling unit, serving the area, be replaced as part of the project? If so, will the new unit be installed in the same location? **Answer: Yes, the AHU should be replaced. Location to be determined during design phase.**

- 42) Is there space in the kitchen equipment to install local grease traps or will 1 or more central traps be required? **Answer: To be determined by A/E during design.**
- 43) Will the existing water softener be required with the kitchen renovation? If the softener is required should it be replaced as part of this project? **Answer: We will keep current water softener for the new kitchen.**
- 44) In order to access utilities below the floor, should removal and replacement of the 2-story Atrium ceiling and light fixtures be included in the scope of work. **Answer: Yes, if required for design and construction.**
- 45) There are approximately 8 recessed building original panelboards within the kitchen area that have limited access to branch circuit raceways extending above ceiling and below floor. Should removal of these Panels and new surface mount panels in alternate location outside kitchen area be included in the scope of work. **Answer: Yes. Include new panels being relocated outside the kitchen.**
- 46) Will Corsi be required to propose and provide marketing boilerplate to the proposing firm? **Answer: Corsi will provide booklet of specific selected kitchen equipment for the A/E firm.**
- 47) Are the existing HVAC systems working or should we assume all new? **Answer: Include replacing the HVAC system.**
- 48) Are the existing floor drains functional and are we to maintain these locations? **Answer: Existing are functional, but locations will need to be coordinated with Corsi for the new equipment/layout.**
- 49) Are the new hoods designed to fit in the new roof openings or will these have to be altered. **Answer: This is to be determined during the design process.**
- 50) Are there any demolition drawings that confirm the equipment to be removed? **Answer: All existing kitchen equipment is getting replaced. We do not have demolition drawings currently.**
- 51) What is the age of the roof in that area? **Answer: Roof was replaced in 2013, currently under warranty.**
- 52) There appears to be a large floor trough that's in a different location than the existing. This will require structural work. Is this location set? **Answer: Nothing is finalized yet. This will be determined during the design process.**

Attachments:

- 1) Grand Ballroom Existing Drawings – (Binder 2) – 18 pages

TRANSMITTAL FOR REVIEW OF SUBMITTALS

Pennsylvania Convention Center

FROM: DICK ENTERPRISES, INC. <small>CONTRACTOR</small>	9040 H <small>CONTRACT #</small>	TO: VITETTA GROUP
P.O. Box 59 <small>MAILING ADDRESS</small>	1299 Arch Street <small>DELIVERY ADDRESS</small>	642 North Broad Street 7th Floor
Philadelphia <small>CITY</small>	PA 19107 <small>STATE ZIP CODE</small>	Philadelphia, PA 19130
September 16, 1991 <small>DATE FORWARDED TO ARCHITECT</small>	553 <small>TRANSMITTAL #</small>	05120.85 (1st) 2nd 3rd <small>SUBMITTAL # SUBMISSION (CIRCLE ONE)</small>

Enclosed herewith we are submitting for approval the following drawings, specifications, samples and/or manufacturers literature:

QUANTITY		DRAWING NO.	DATE	DESCRIPTION
SEPIA	PRINTS			
1	7	E302	Rev. 0	Structural Steel Erection Plan Elev. 63-6,76-10,89-10
		E303	Rev.0	Erection Plan Elev. 104-4, & Elev.
		E304	Rev. 0	Erection Plan Elevations
		E344	Rev. 0	Elev. Truss TB1
		E345	Rev. 0	Elev. Truss TB1 HKK
		29318	Rev. 0	Truss TB-1 End Frame
		29327	Rev. 0	Truss Vertical TB1 TB1A
		29319	Rev. 0	Truss Vertical TB2 Reference Submittal 05120.83
		29320	Rev. 1	Truss Vertical TB-2 Currently at Reviewer "
		29321	Rev. 1	Truss Vertical TB-2 " " "

CONTRACTOR REMARKS: 29322 Rev. 1 Truss Vertical TB-2

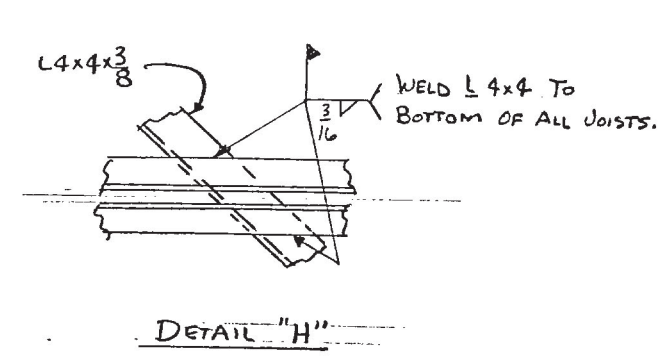
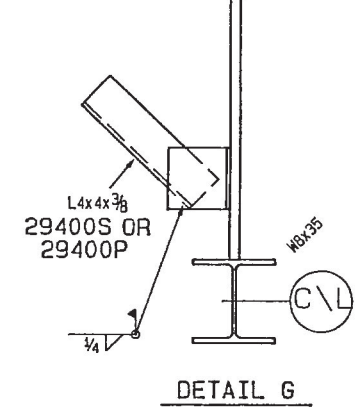
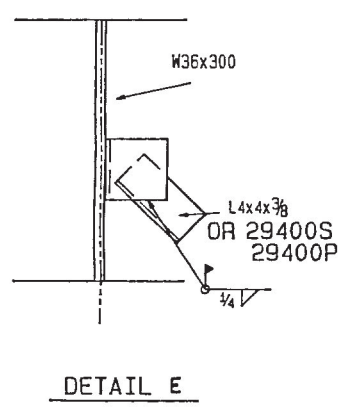
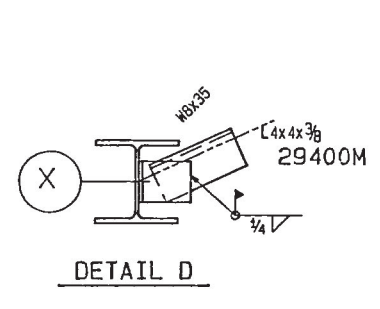
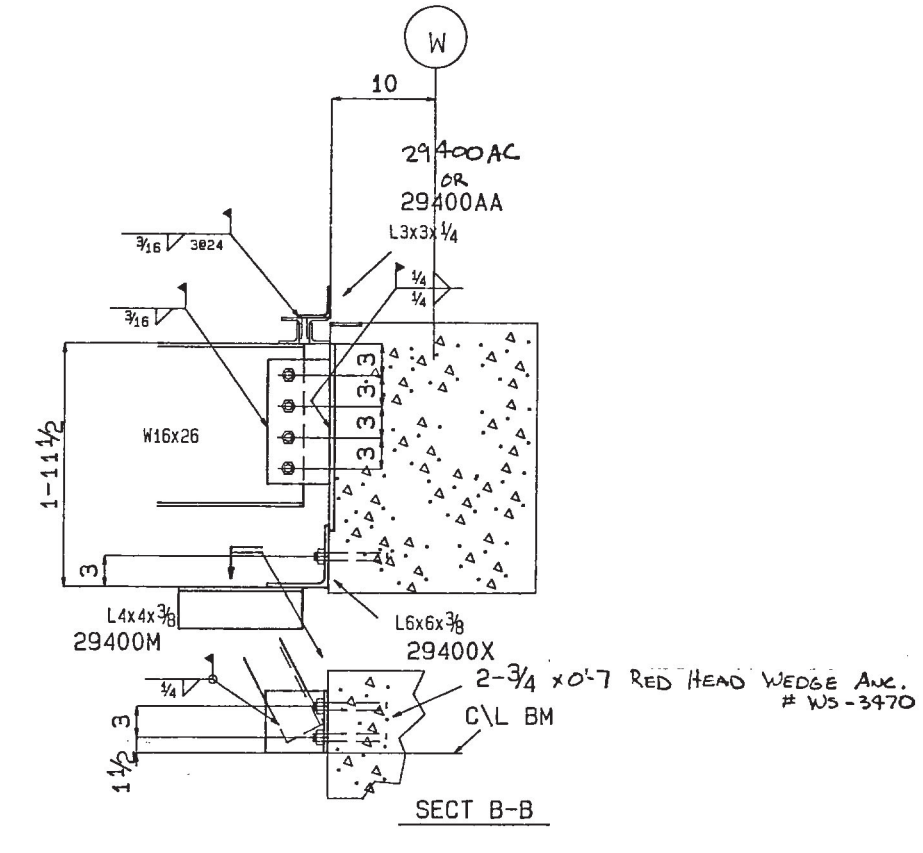
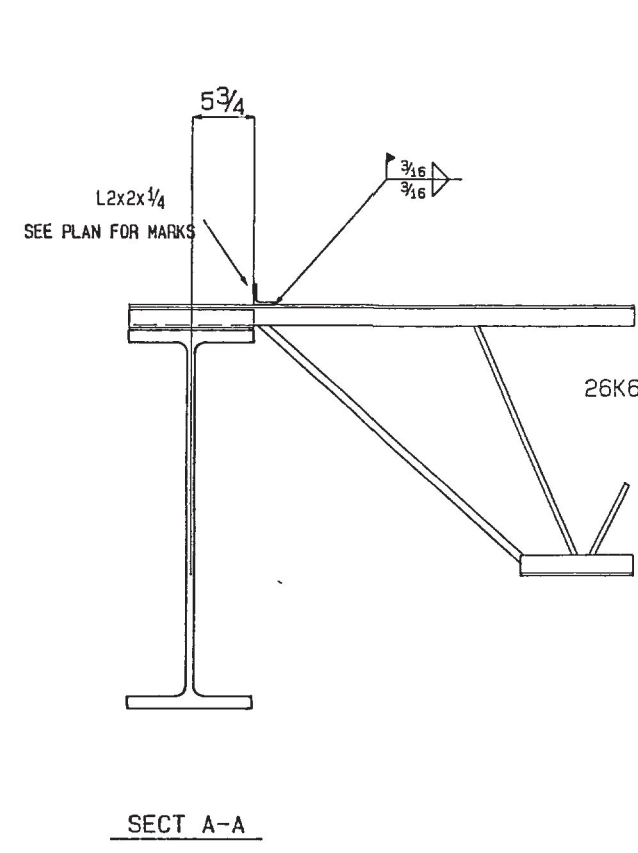
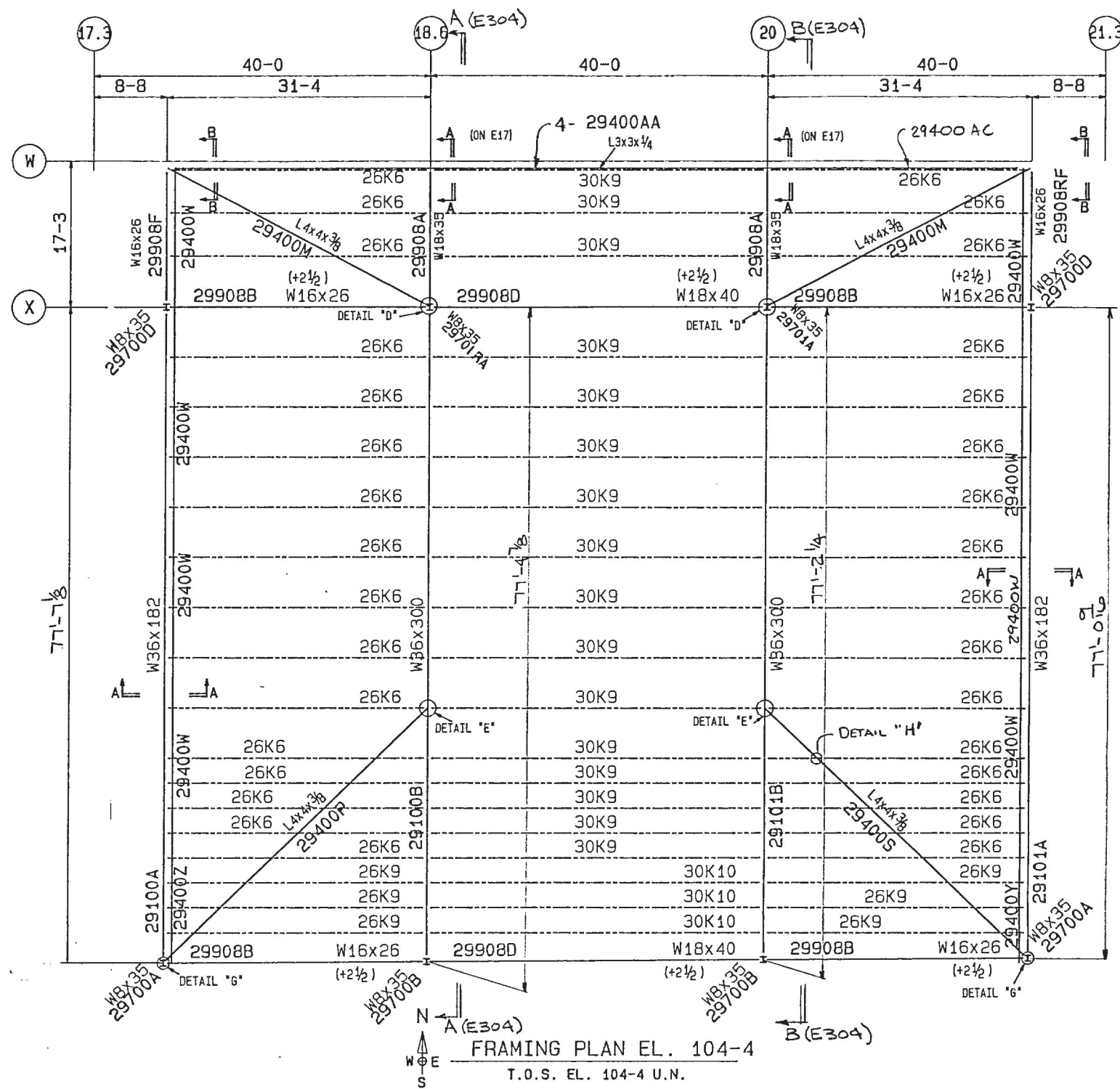
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DEPT/CONS	DATE TO	REVIEWER	STATUS & CODE	INITIAL	RETURNED	1. Approved subject to Contract Documents. 2. Approved with notations subject to Contract Documents. 3. Rejected. A. Revise and resubmit. B. Resubmission not required. C. Submit _____ copies for distribution.	
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- NOTES:**
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 2. ▲ INDICATES CONNECTION USING 1" A325N BOLTS W/1-WASHER.

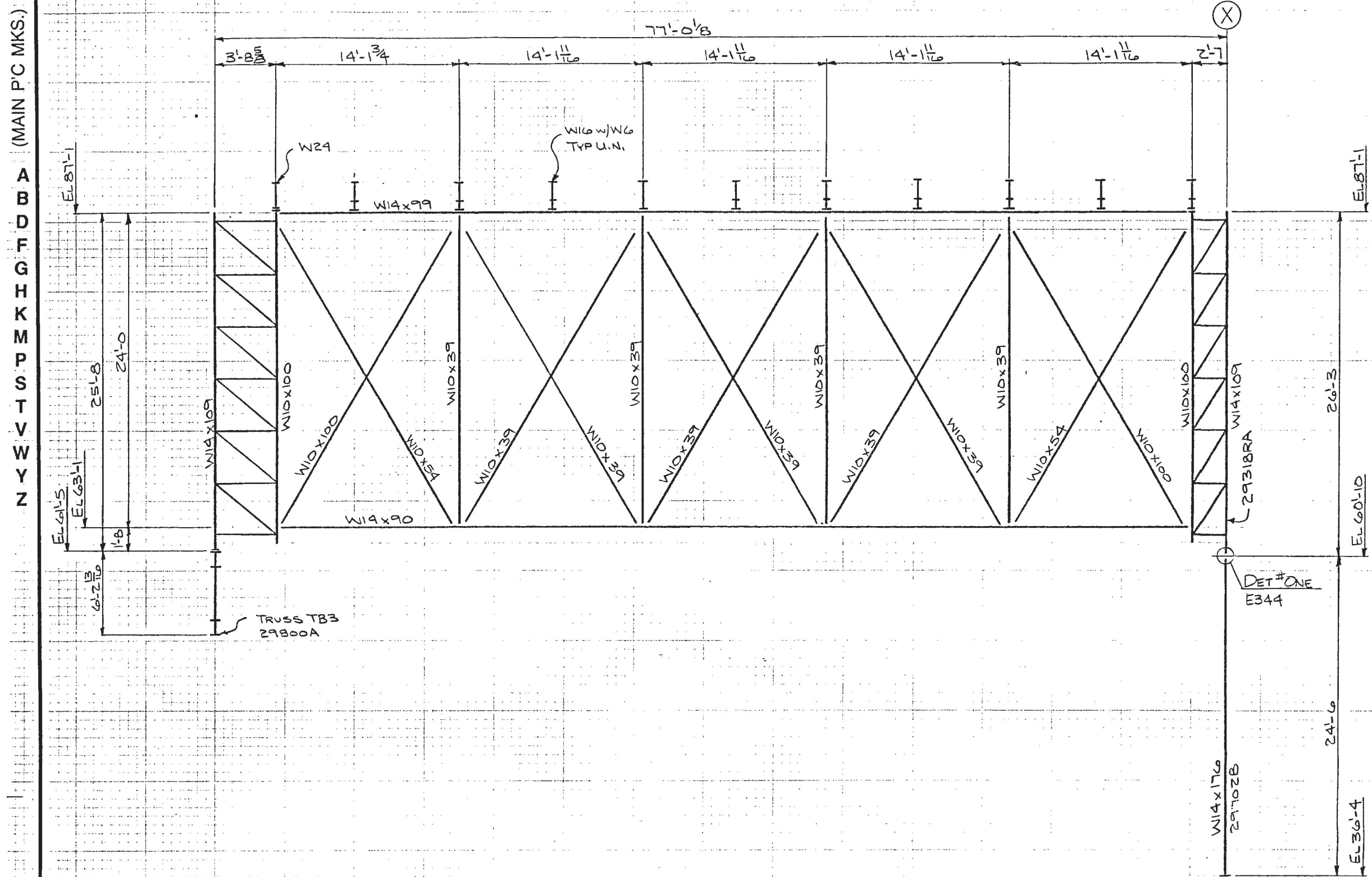
ERECTOR NOTE:

NORMAL ERECTION OPERATIONS, IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE SECTION 7.12, INCLUDE THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNT OF BEAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE BY THE USE OF DRIFT PINS. ERRORS WHICH CANNOT BE CORRECTED BY THE FOREGOING MEANS AND/OR WHICH REQUIRE MAJOR CHANGES IN MEMBER CONFIGURATION MUST BE REPORTED IN WRITING IMMEDIATELY TO HAVENS STEEL COMPANY, BY THE ERECTOR, FOR APPROVAL OF THE MOST EFFICIENT AND ECONOMIC METHOD OF CORRECTION. FAILURE OF THE ERECTOR TO COMPLY WILL RELIEVE HAVENS STEEL COMPANY OF ANY FINANCIAL RESPONSIBILITY FOR CORRECTING THE ERROR. THE COST OF CORRECTING THESE ERRORS WILL BE BORNE BY THE ERECTOR.

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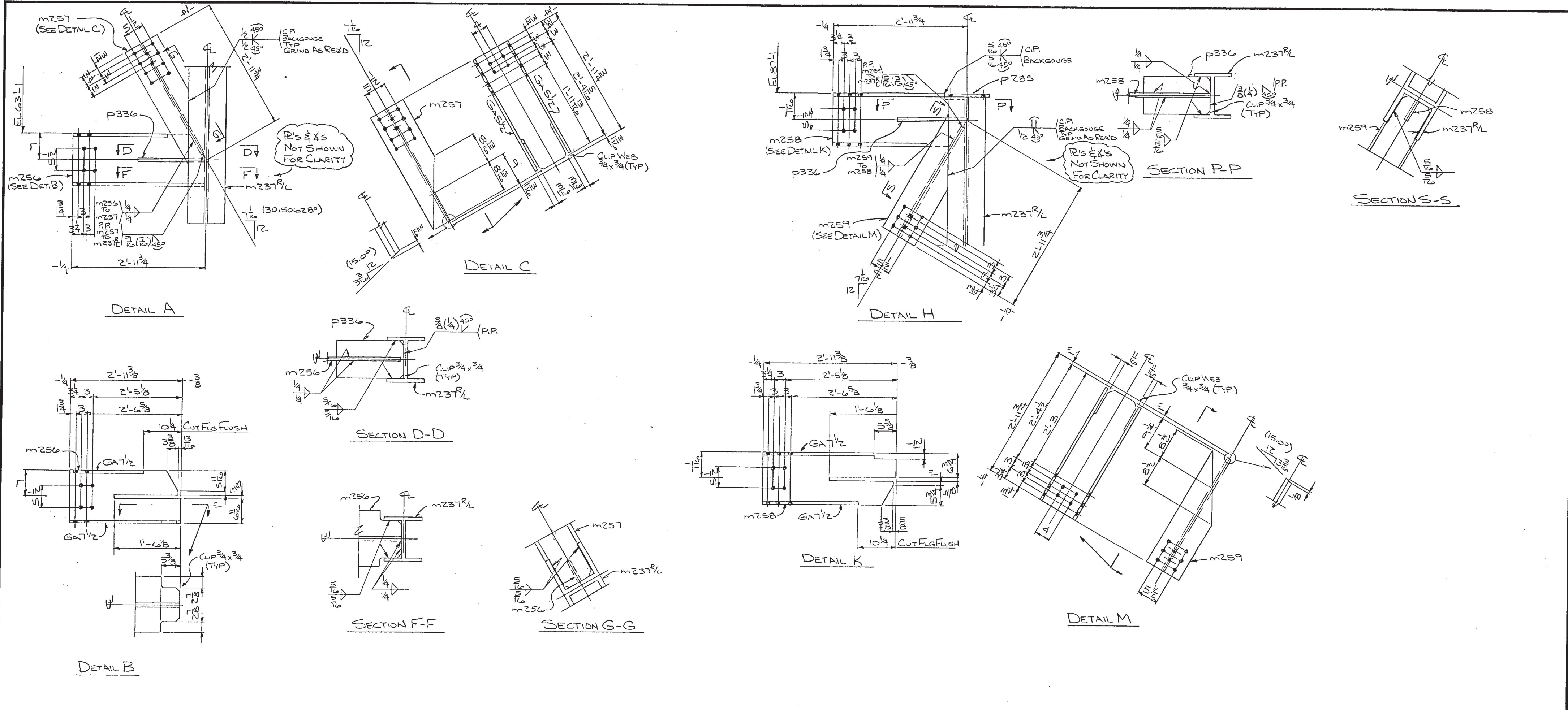
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- 9. DEBURRING OF HOLES IS REQUIRED IF BURR EXCEEDS 1/16".

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DTL G. CO. SHAWVER-PRICE INC PH (816) 421-6445		UNIT NO'S - 29		PAY CLASS -	
EXTRA ORDER NUMBERS		SHOP & RELEASE No's		K.C. OTT. O.S. SHOP	
REV BY CHK DATE DESCRIPTION		X		X	
OPEN HLS 1 3/8		UN		DATE 7-9	
FIELD CONN 3/4 A325N		UN		DATE 7-12	
WELDING ELECTRODE E70XX		UN			
SURFACE PREP. SP - Z		UN			
SURFACE PROFILE					
PAINT NONE					
DRY THK					
DEBURR HLS		YES NO X UN			
PAINT OPEN HLS		YES NO X UN			
ERECTOR DWG. REF. E302, E344, E395		OFFICE		FITTER LAYOUT INSPECTION O. INSP	
7561		- CONTRACT NO.		29327	
		- DRAWING NO.		29327	

HAVENS STEEL CO.

7219 East 17th St., Kansas City, Missouri 64126-2890
Phone: 816-231-5724

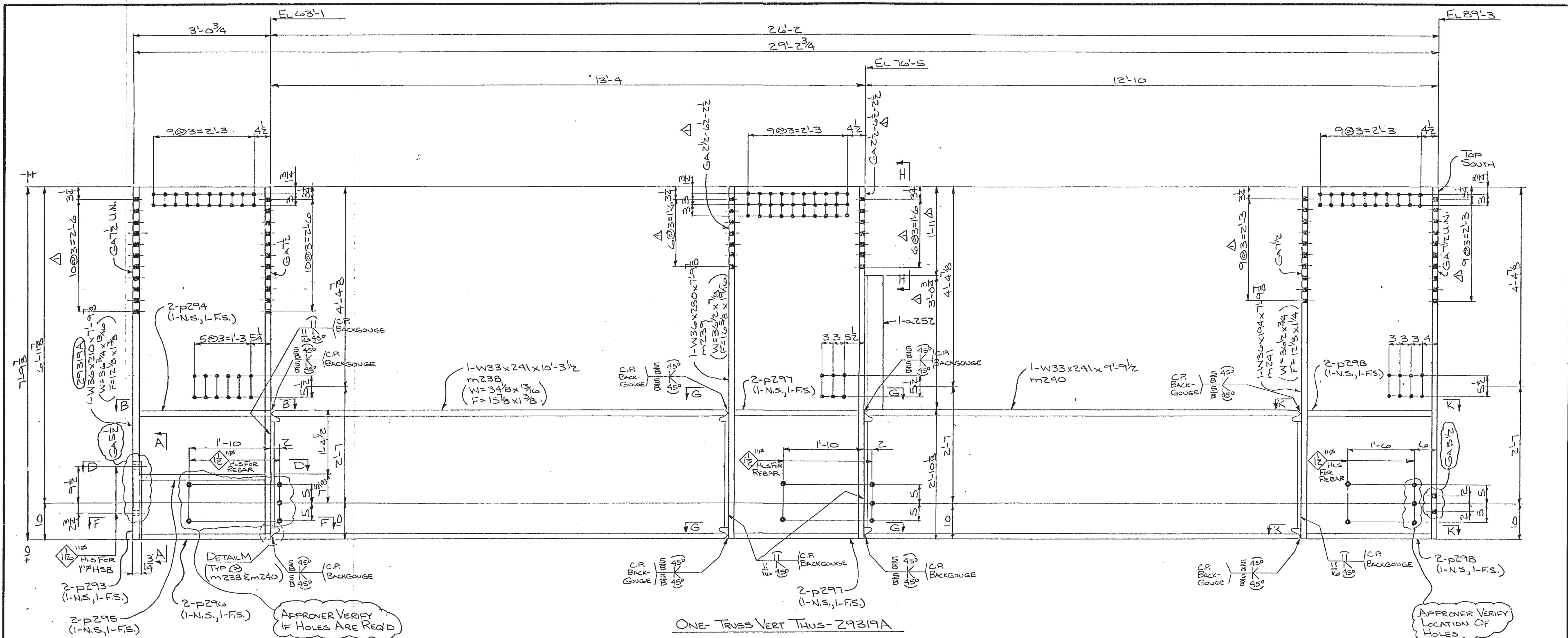
SINCE 1919

TYPE OF WORK TRUSS VERT T.B.I. TRIA
JOB PENNSYLVANIA CONVENTION CENTER
LOCATION PHILADELPHIA, PA.
CUSTOMER DICK CORP.
ARCHENGER TVS & A; VG; BRYAN / CHILTON
REFERENCE H54.28
DRAWN EAH DATE 7-91 CHKD MDC DATE 7-91

SEP 16 1991

HARDING, KEATING & McNEIROD CO

(MAIN PC MKS.)
A B D F F G H K M P P S T V W Y Z



SHOP NOTE:
WORK THIS SHEET W/ 29320

- 8. ALL SUBMARKS THIS SHEET TO BE PREFIXED (29)
- 9. DEBURRING OF HOLES IS REQUIRED IF BURR EXCEEDS 1/16"

QUAN	MARK	DESCRIPTION	LENGTH FT. IN.	ORDER ITEM	REMARKS	QUAN	MARK	DESCRIPTION	LENGTH FT. IN.	ORDER ITEM	REMARKS	QUAN	MARK	DESCRIPTION	LENGTH FT. IN.	ORDER ITEM	REMARKS
1						16						31					
2						17						32					
3	ONE	29319A	W36x210	7 9/8	E29303	18						33					
4	ONE	m238	W33x241	10 3/2	L	19						34					
5	ONE	m237	W36x220	7 9/8	C	20						35					
6	ONE	m240	W33x241	9 9/2	C	21						36					
7	ONE	m241	W36x194	7 9/8	A	22						37					
8	2	p293	R134x2	1 9		23						38					
9	2	p294	R134x7/2	2 11/8	A29304	24						39					
10	2	p295	do	2 9/8	A	25						40					
11	2	p296	do	2 11/8	A	26						41					
12	4	p297	do	2 9/4	A	27						42					
13	4	p298	do	2 9/2	A	28						43					
14	ONE	a252	15x5x3/16	3 0/24		29						44					
15						30						45					

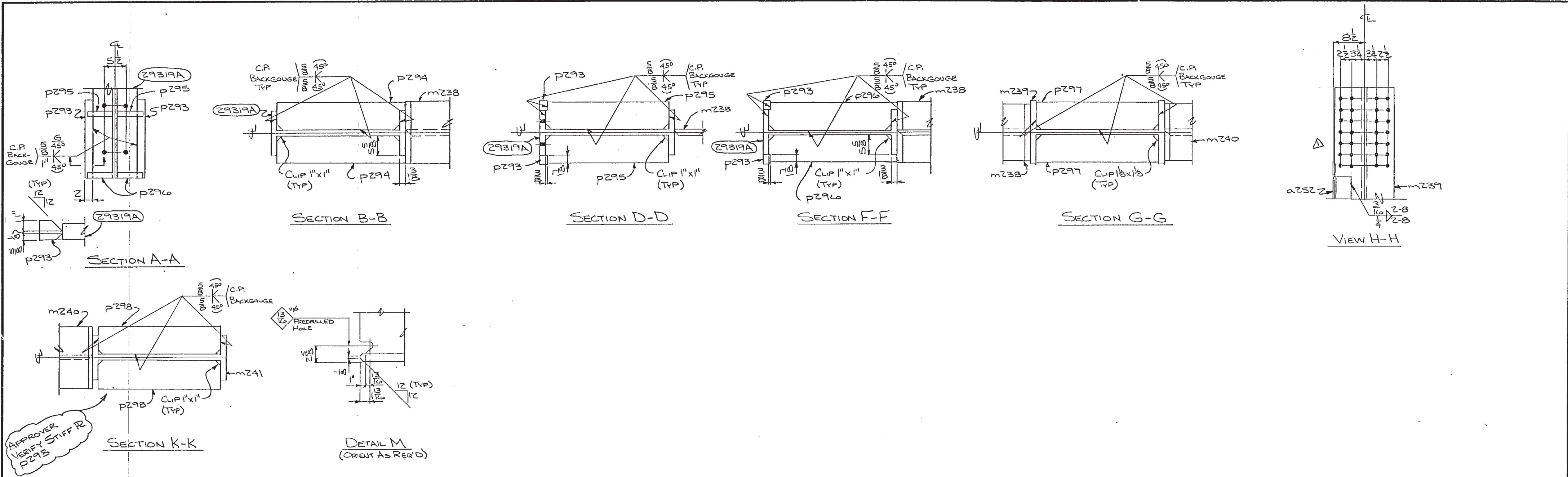
- ACCUMULATIVE DIMENSIONS ARE TAKEN FROM THE *LINE
- BLOCK-OUTS SHOWN. BLOCK ARE TAKEN FROM THE END OF MEMBER BEING CUT AND/OR PUNCHED
- ALL GAS RE-ENTRANT CUTS WILL HAVE A RADIUS OF 1/4" UNLESS NOTED
- ALL MATL TO BE ASTM A572 GR 50
- TOLERANCES - AISC UNLESS NOTED
- NO PAINT IN OPEN HOLES MEANS WITHIN 1" OF THE HOLE (MIN) BUT NOT LESS THAN BOLT Ø
- ALL HIGH STRENGTH BOLTS SHIP INSTALLED INCLUDING PERMANENT AND/OR TEMPORARY SHIPPING BOLTS WILL BE TIGHTENED AS CONNECTORS REQUIRING FULL PRETENSIONING PER DIRECTION OF THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.

OPEN HLS	13/16	Ø	U.N.	DATE	APPROX	DATE	APPROX	DATE	APPROX	DATE	APPROX
FIELD CONN	3/4	A325N	U.N.	7-9	0						
WELDING ELECTRODE	E70XX	U.N.		7-12	1						
SURFACE PREP.	SP-2	U.N.									
SURFACE PROFILE											
PAINT	NONE										
DRY THK											
DEBURR HLS	YES	NO	U.N.								
PAINT OPEN HLS	YES	NO	U.N.								

DLTG CO. SHAWVER-PRICE INC PH. (816) 421-6445		UNIT NO'S. - 29	PAY CLASS.
SHOP & RELEASE NO'S			
EXTRA ORDER NUMBERS	K.C.	OTT.	O.S. SHOP
REV	BY	CHK	DATE
DESCRIPTION			
REVISIONS & CHANGES			
7219 East 17th St., Kansas City, Missouri 64126-2890 Phone: 816-231-5724			
SINCE 1919			
TYPE OF WORK TRUSS VERTICAL TB-2			
JOB PENNSYLVANIA CONVENTION CENTER			
LOCATION PHILADELPHIA, PA.			
CUSTOMER DICK CORP.			
ARCHENGR TVS & A; VS; BRYAN / CHILTON			
REFERENCE HSA-28, A-20			
DRAWN BAH DATE 8-71 CHK'D MJC DATE 9-91			
ERECTOR DWG. REF. E202			
E304			
OFFICE FITTER LAYOUT INSPECTION O. INSP.			
29319 - CONTRACT NO.			
- DRAWING NO.			

RECEIVED
SEP 16 1991
HARDING, HEATING & MECHANICAL

(MAIN PC MKS.)
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SHOP NOTE!
WORK THIS SHEET W/ 29319

8. ALL SUBMARKS THIS SHEET TO BE PREFIXED (29)
9. DEBURRING OF HOLES IS REQUIRED IF BURR EXCEEDS 1/16"

1. ACCUMULATIVE DIMENSIONS ARE TAKEN FROM THE ϕ LINE
2. BLOCK-OUTS SHOWN. BLOCK-OUTS TAKEN FROM THE END OF MEMBER BEING CUT AND/OR PUNCHED
3. ALL GAS RE-ENTRANT CUTS WILL HAVE A RADIUS OF 1/4" UNLESS NOTED
4. ALL MATL TO BE ASTM A572 GR 50
5. TOLERANCES - AISC UNLESS NOTED
6. NO PAINT & OPEN HOLES MEANS WITHIN 1" OF THE HOLE (MIN) BUT NOT LESS THAN BOLT ϕ
7. ALL HIGH STRENGTH BOLTS SHIP INSTALLED INCLUDING PERMANENT AND/OR TEMPORARY SHIPPING BOLTS WILL BE TIGHTENED AS CONNECTORS REQUIRING FULL PRETENSIONING PER DIRECTION OF THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.

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QUAN	MARK	DESCRIPTION	LENGTH FT. IN.	ORDER ITEM	REMARKS
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Pennsylvania Convention Center

FROM: DICK ENTERPRISES, INC. CONTRACTOR	9040 H CONTRACT #	TO: VITETTA GROUP
P.O. Box 59 MAILING ADDRESS	1299 Arch Street DELIVERY ADDRESS	642 North Broad Street 7th Floor
Philadelphia CITY	PA 19107 STATE ZIP CODE	Philadelphia, PA 19130
March 16, 1992 DATE FORWARDED TO ARCHITECT	960 TRANSMITTAL #	05120.95 (1st) 2nd 3rd SUBMISSION (CIRCLE ONE)

Enclosed herewith we are submitting for approval the following drawings, specifications, samples and/or manufacturers literature:

QUANTITY	SEPIA	PRINTS	DRAWING NO.	DATE	DESCRIPTION
1		7	E303		Havens Steel Shop Drawings
			29402		Sequence 20 Arch Street Bridge
					APR 7 1992
					KARDIN/KEATING/KEMRCDCO

CONTRACTOR REMARKS:

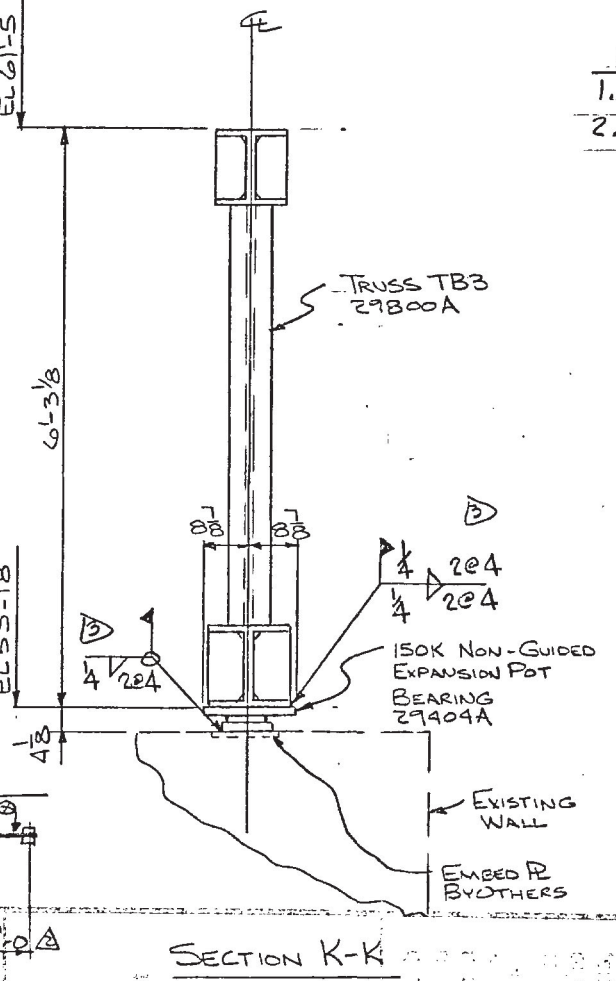
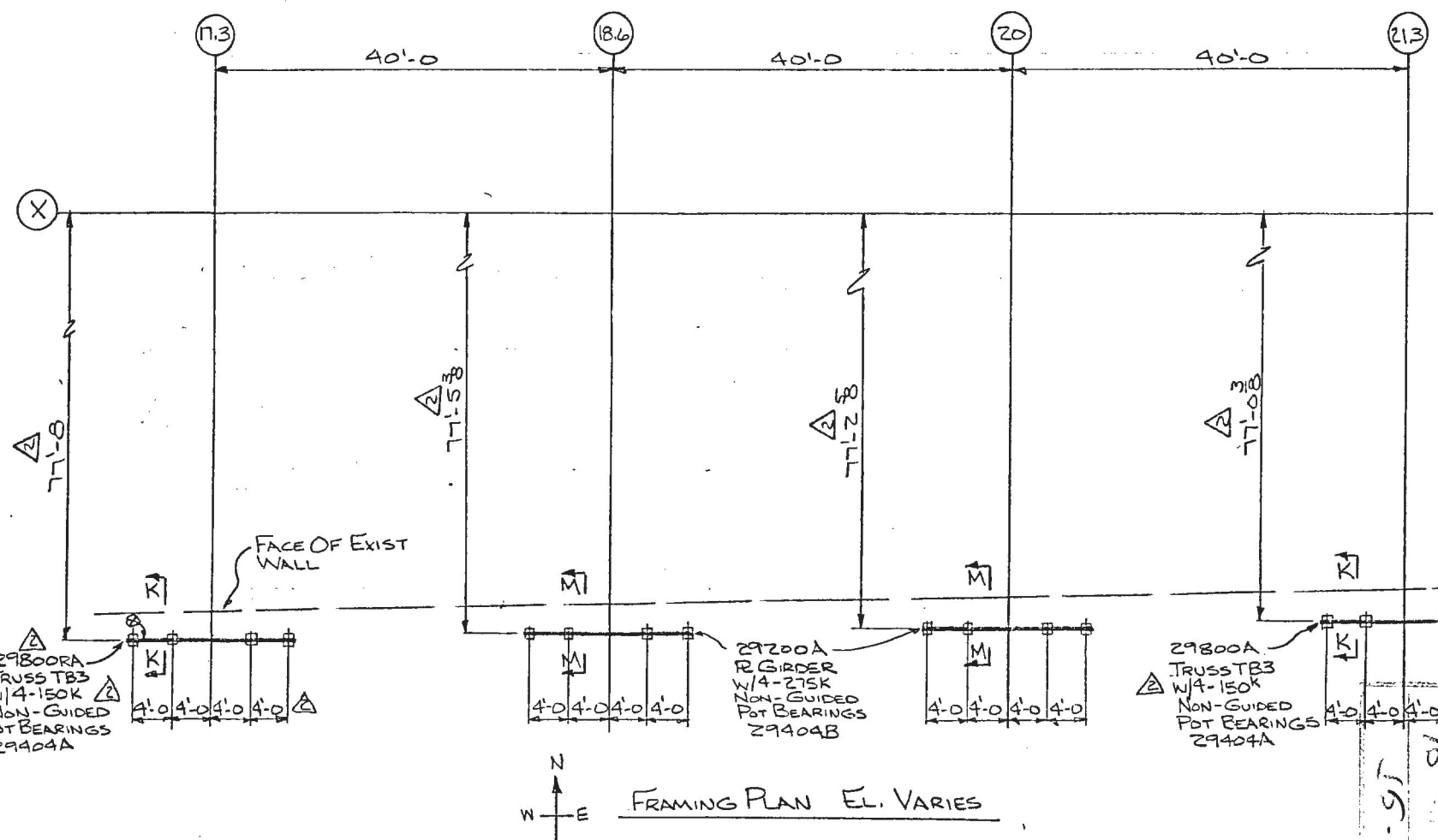
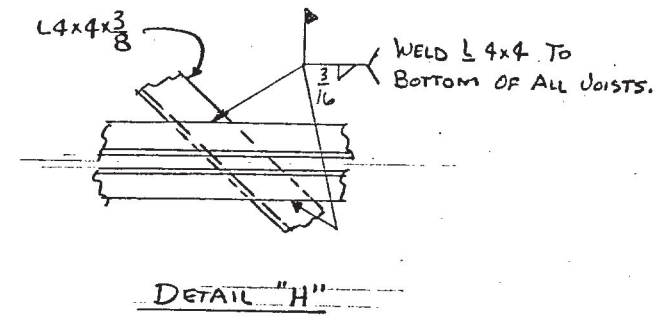
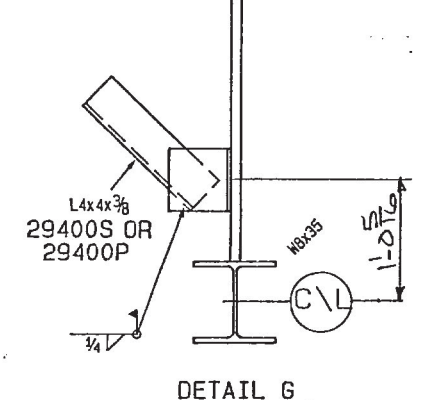
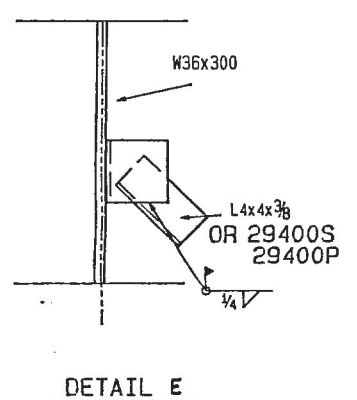
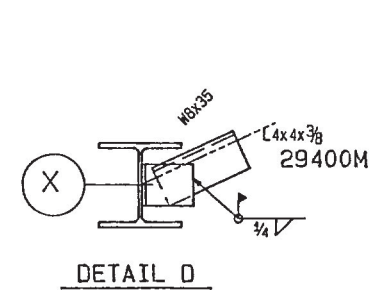
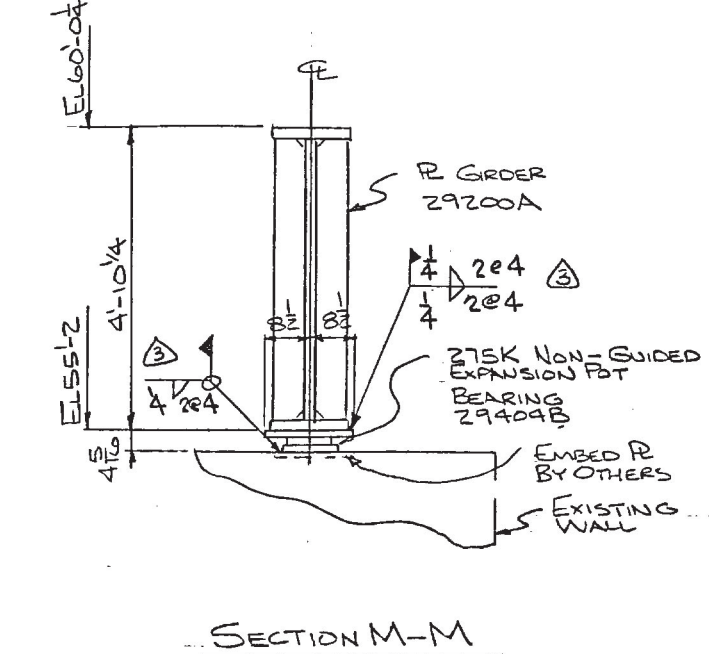
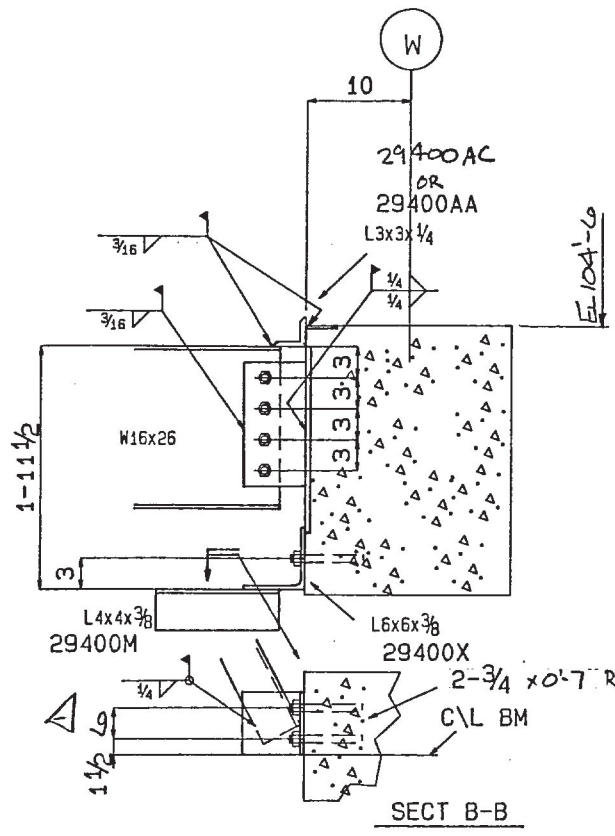
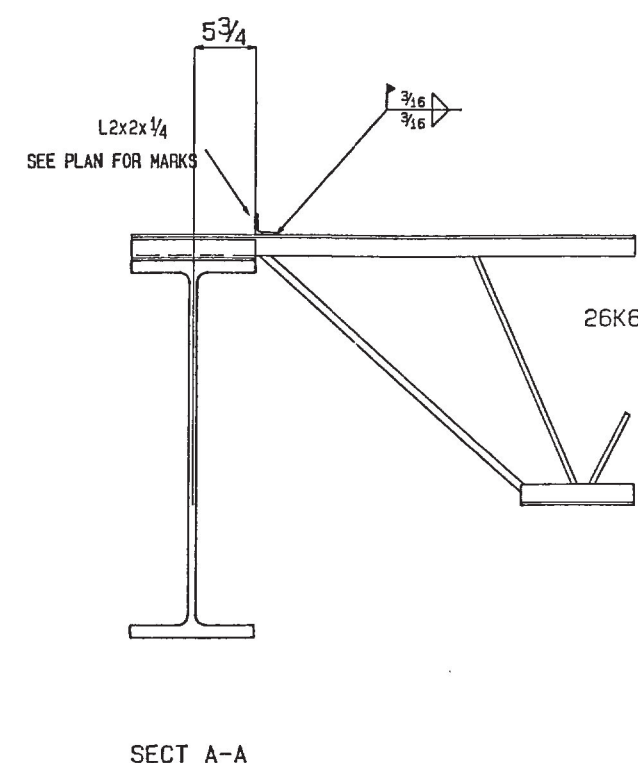
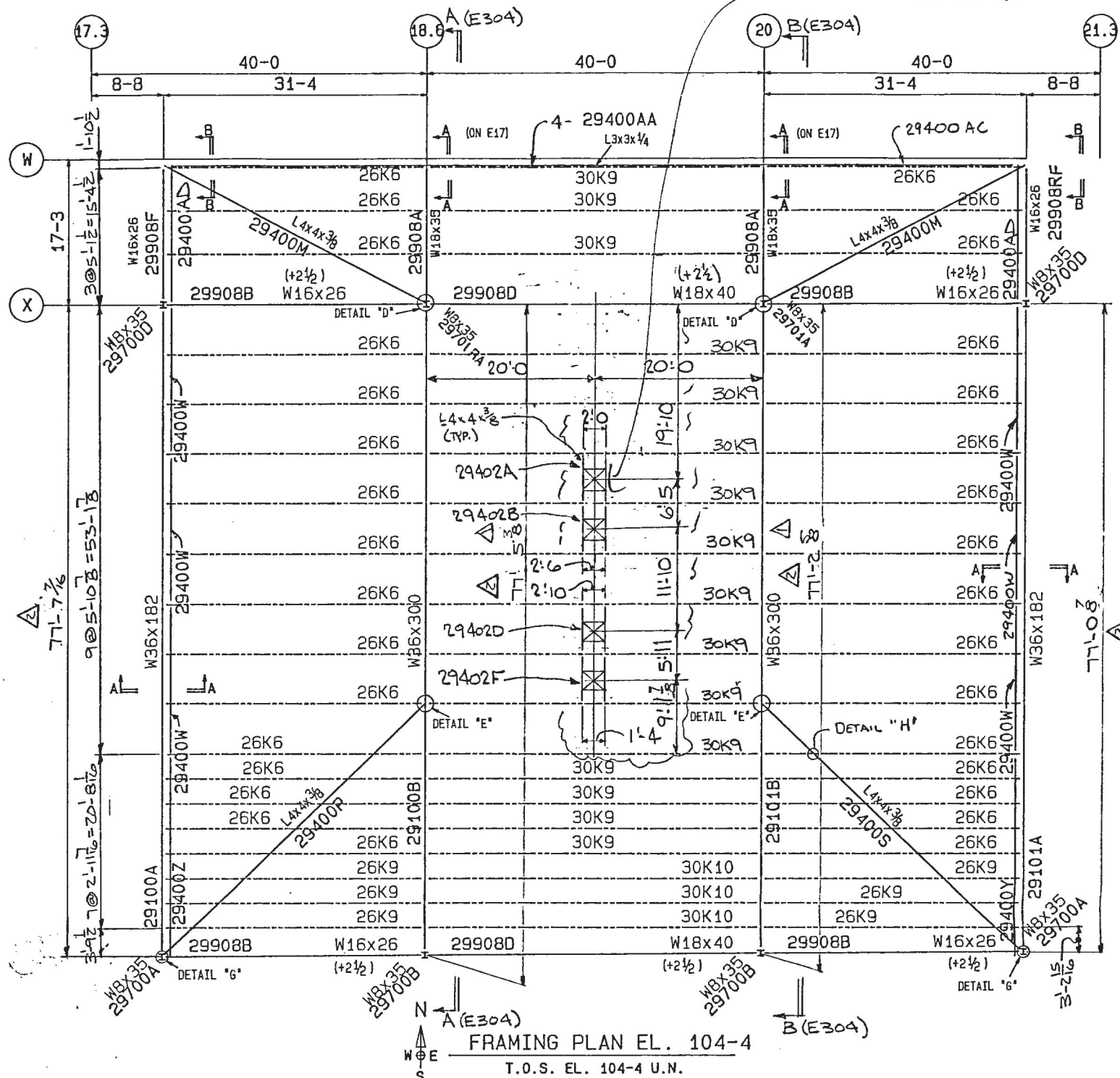
cc: HKK

ARCHITECT ROUTING							STATUS CODE	
DATE RECEIVED FROM CONTRACTOR 3/16/92							1. Approved subject to Contract Documents.	
							2. Approved with notations subject to Contract Documents.	
							3. Rejected.	
							A. Revise and resubmit.	
							B. Resubmission not required.	
							C. Submit _____ copies for distribution.	
A/E REMARKS:								
LOCATION OF EXHAUSTS MUST BE COORDINATED W/ S.M. CONTRACTOR								
By VASU M. SHARMA 4/2/92								
ARCHITECT							DATE	
G.C. TO COORDINATE W/ RFP 0039-D								

NAME	CONTR	MD/T	HKK	FILE	KIM	BBG	PEO
# COPIES	2	1	1	1	1	T	T

ABDFGHKMPSTVWYZ

NOTE: LOCATION OF EXHAUSTS MUST BE COORDINATED W/ S.M. CONTRACTOR



NOTES:
 1. ALL BOLTS TO BE 3/4" DIA 325N 1/1" WASHER U.N.
 2. ▲ INDICATES CONNECTION USING 1" DIA 325N BOLTS 1/1" WASHER.

ERECTOR NOTE:
 NORMAL ERECTION OPERATIONS, IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE SECTION 7.12, INCLUDE THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNT OF REAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE BY THE USE OF DRIFT PINS. ERRORS WHICH CANNOT BE CORRECTED BY THE FOREGOING MEANS AND/OR WHICH REQUIRE MAJOR CHANGES IN MEMBER CONFIGURATION MUST BE REPORTED IN WRITING IMMEDIATELY TO HAVENS STEEL COMPANY, BY THE ERECTOR, FOR APPROVAL OF THE MOST EFFICIENT AND ECONOMIC METHOD OF CORRECTION. FAILURE OF THE ERECTOR TO COMPLY WILL RELIEVE HAVENS STEEL COMPANY OF ANY FINANCIAL RESPONSIBILITY FOR CORRECTING THE ERROR. THE COST OF CORRECTING THESE ERRORS WILL BE BORNE BY THE ERECTOR.

NO.	DESCRIPTION	DATE	BY	CHKD	DATE	BY	CHKD
1	ACCUMULATIVE DIMENSIONS ARE TAKEN FROM THE 0 LINE						
2	ROCK CUTS SHOWN SQUARE TAKEN FROM THE END OF MEMBER BEING CUT AND/OR PUNCHED						
3	ALL GAS RE-ENTRANT CUTS WILL HAVE A RADIUS OF 1/2" UNLESS NOTED						
4	ALL MATERIAL TO BE ASTM A36 UNLESS NOTED						
5	TOLERANCES - AISC UNLESS NOTED						
6	NO PAINT @ OPEN HOLES MEANS WITHIN 1" OF THE HOLE (MIN) BUT NOT LESS THAN BOLT Ø						
7	ALL HIGH STRENGTH BOLTS SHOP INSTALLED INCLUDING PERMANENT AND/OR TEMPORARY SHIPPING BOLTS WILL BE TIGHTENED AS CONNECTORS REQUIRING FULL PRETENSIONING PER DIRECTION OF THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.						
OPEN HLS	13 1/16	Ø	U.N.				
FIELD CONN.	3/4	A325N	U.N.	9-9	0		
WELDING ELECTRODE	E70XX	L.H.	U.N.	9-20	0		
SURFACE PREP.	-SP		U.N.	3-6	3		
SURFACE PROFILE				3-9			
PAINT				3-13	4		
DRY THK							
DEBURR HLS	YES		NO			UN	
PAINT OPEN HLS	YES		NO			UN	

EXTRA ORDER NUMBERS	K.C.	OTT.	O.S. SHOP
X 27	REV	BY	CHKD
X 42	REV	BY	CHKD
X 43	REV	BY	CHKD
X 44	REV	BY	CHKD
X 45	REV	BY	CHKD
X 46	REV	BY	CHKD
X 47	REV	BY	CHKD
X 48	REV	BY	CHKD
X 49	REV	BY	CHKD
X 50	REV	BY	CHKD
X 51	REV	BY	CHKD
X 52	REV	BY	CHKD
X 53	REV	BY	CHKD
X 54	REV	BY	CHKD
X 55	REV	BY	CHKD
X 56	REV	BY	CHKD
X 57	REV	BY	CHKD
X 58	REV	BY	CHKD
X 59	REV	BY	CHKD
X 60	REV	BY	CHKD

UNIT NO'S. - 29 PAY CLASS - AS NTD.

ENGINEERS FABRICATORS ERECTORS
 7219 East 17th St., Kansas City, Missouri 64126-2890
 Phone: 816-231-5724

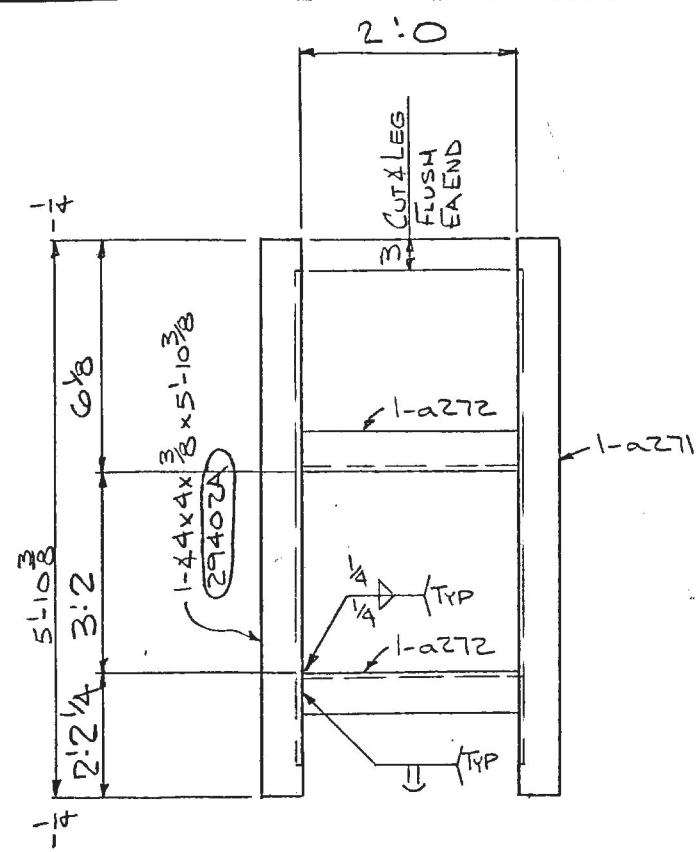
SINCE 1919

TYPE OF WORK: ERECTION PLAN EL. 104-4 & ELEVATIONS
 JOB: PENNSYLVANIA CONVENTION CENTER
 LOCATION: PHILADELPHIA, PA.
 CUSTOMER: DICK CORP.
 ARCHENGR: TVS & A; VG: BRYAN / CHILTON
 REFERENCE: HS 2.40, HS 4.28
 DRAWN: WP DATE 4-20 CHK'D: [Signature] DATE 5/11

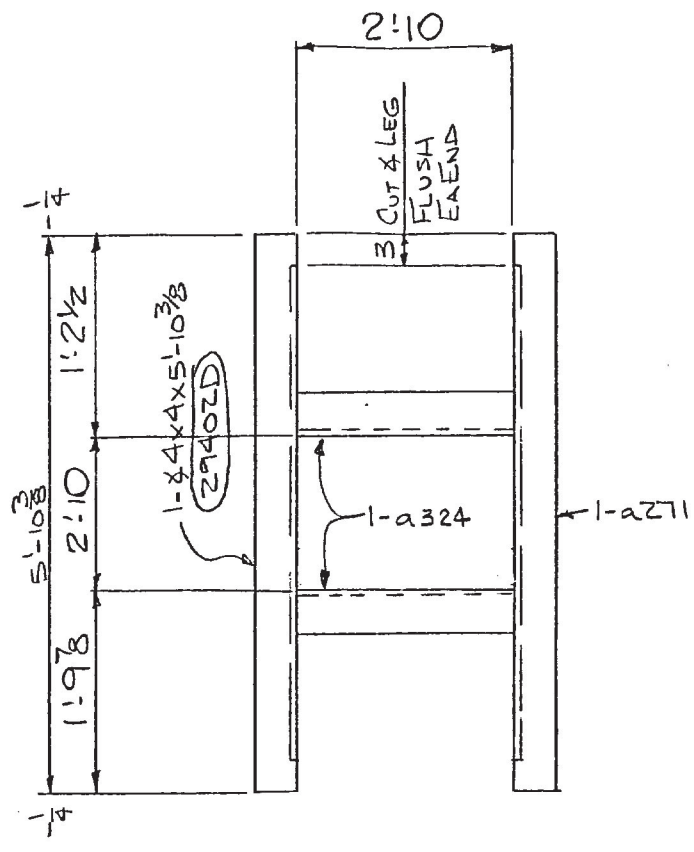
ERECTION DWG. REF. 7561 - CONTRACT NO.
 OFFICE: FITTER LAYOUT INSPECTION O. INSP. E303 - DRAWING NO.

4/2/02

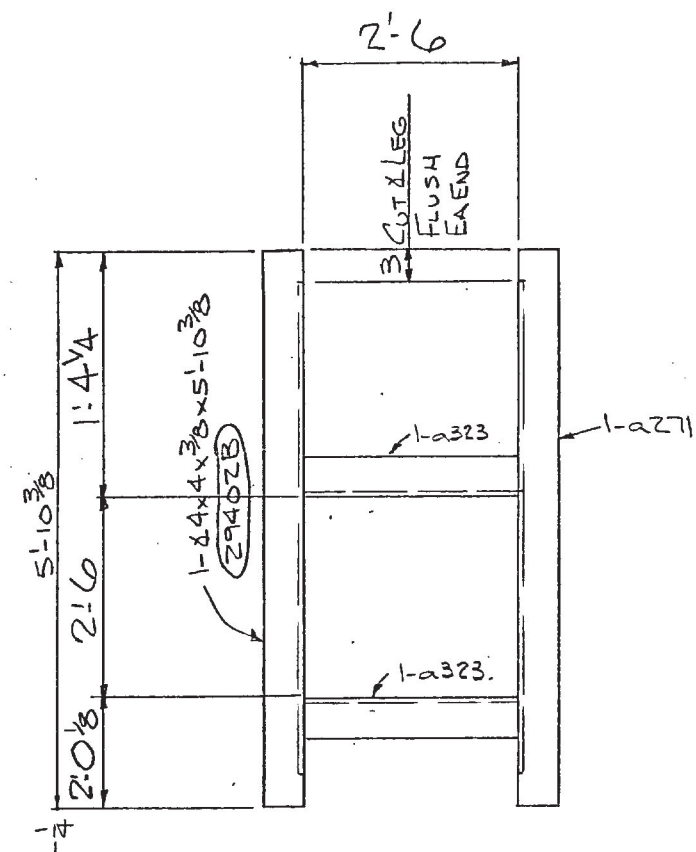
(MAIN PC MKS.)
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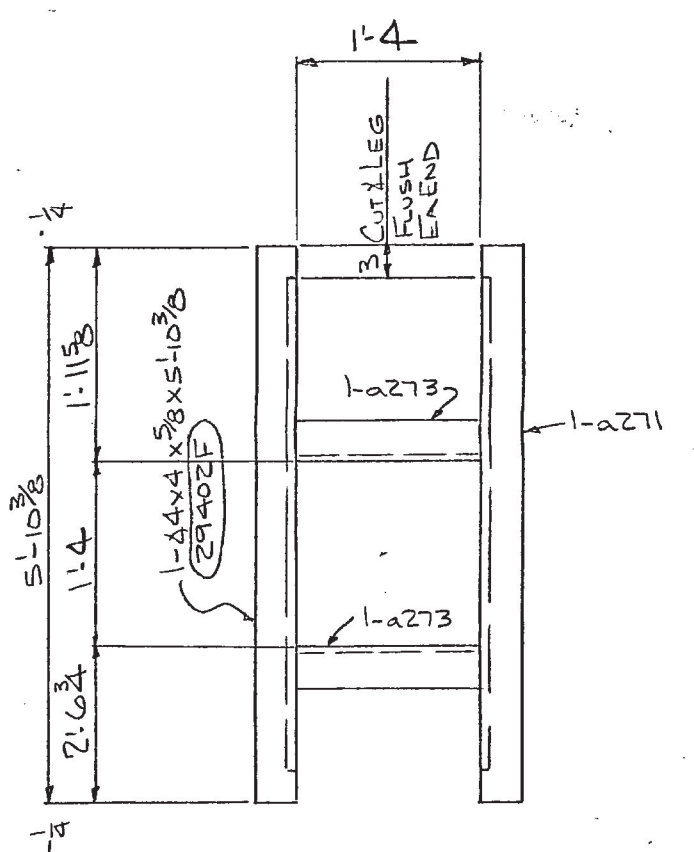
ONE-ROOF FRAME THUS-29402A



ONE-ROOF FRAME THUS-29402D



ONE-ROOF FRAME THUS-29402B



ONE-ROOF FRAME THUS-29402F

8. ALL SUBMARKS THIS SHEET TO BE PREFIXED (29)
9. DEBURRING OF HOLES IS REQUIRED IF BURR EXCEEDS 1/16"

QUAN	MARK	DESCRIPTION	LENGTH		ORDER ITEM	REMARKS	QUAN	MARK	DESCRIPTION	LENGTH		ORDER ITEM	REMARKS	QUAN	MARK	DESCRIPTION	LENGTH		ORDER ITEM	REMARKS	
			FT.	IN.						FT.	IN.						FT.	IN.			FT.
1							16							17							
2							18	ONE	29402D	L4x4x3/8	5	10 3/8	C29400	32							
3	ONE	29402A	L4x4x3/8	5	10 3/8	C29400	19	ONE	2711					33							
4	ONE	a271	do	5	10 3/8	E	20	ONE	a324	L4x4x3/8	2	10	D	34							
5	2	a272	do	2	0	D	21							35							
6							22							36							
7							23							37							
8							24	ONE	29402F	L4x4x3/8	5	10 3/8	C29400	38							
9	ONE	29402B	L4x4x3/8	5	10 3/8	C29400	25	ONE	2711					39							
10	ONE	a271					26	2	a273	L4x4x3/8	1	4	E	40							
11	2	a323	L4x4x3/8	2	6	D	27							41							
12							28							42							
13							29							43							
14							30							44							
15														45							

1. ACCUMULATIVE DIMENSIONS ARE TAKEN FROM THE 5/8" LINE	DATE	APP.	CHK.	DATE	APP.	CHK.	DATE	APP.	CHK.
2. BLOCK-OUTS SHOWN. BLOCK ARE TAKEN FROM THE END OF MEMBER BEING CUT AND/OR PUNCHED	3-20	U.N.							
3. ALL GAS RE-ENTRANT CUTS WILL HAVE A RADIUS OF 1/4" UNLESS NOTED	1-29	U.N.							
4. ALL MATL TO BE ASTM-A36 UNLESS NOTED	2-6	U.N.							
5. TOLERANCES - AISC UNLESS NOTED									
6. NO PAINT @ OPEN HOLES MEANS WITHIN 1' OF THE HOLE (MIN) BUT NOT LESS THAN BOLT 3									
7. ALL HIGH STRENGTH BOLTS SHIP INSTALLED INCLUDING PERMANENT AND/OR TEMPORARY SHIPPING BOLTS WILL BE TIGHTENED AS CONNECTORS REQUIRING FULL PRETENSIONING PER DIRECTION OF THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.	3-13	U.N.							
OPEN HLS	1 3/8	Ø	U.N.						
FIELD CONN	3/4	A325N	U.N.						
WELDING ELECTRODE	E70XX	U.N.							
SURFACE PREP.	SP-2	U.N.							
SURFACE PROPF									
PAINT	NONE								
DRY THK									
DEBURR HLS	YES	NO	X	U.N.					
PAINT OPEN HLS	YES	NO		U.N.					

DTLG CO. SHANVER-PRICE INC PH(816) 421-6445

UNIT NO'S. - 29 PAY CLASS.

SHOP & RELEASE No's

EXTRA ORDER NUMBERS

REV BY CHK DATE DESCRIPTION

△ PR RL 3/3 ADD DIM TO FRAME

HAVENS STEEL CO.

7219 East 17th St., Kansas City, Missouri 64128-2890
Phone: 816-231-5724

SINCE 1919

TYPE OF WORK ROOF FRAMES

JOB PENNSYLVANIA CONVENTION CENTER

LOCATION PHILADELPHIA, PA.

CUSTOMER DICK CORP.

ARCHENGR IYS & A. VS: BRYAN / CHILTON

REFERENCE HSB-90

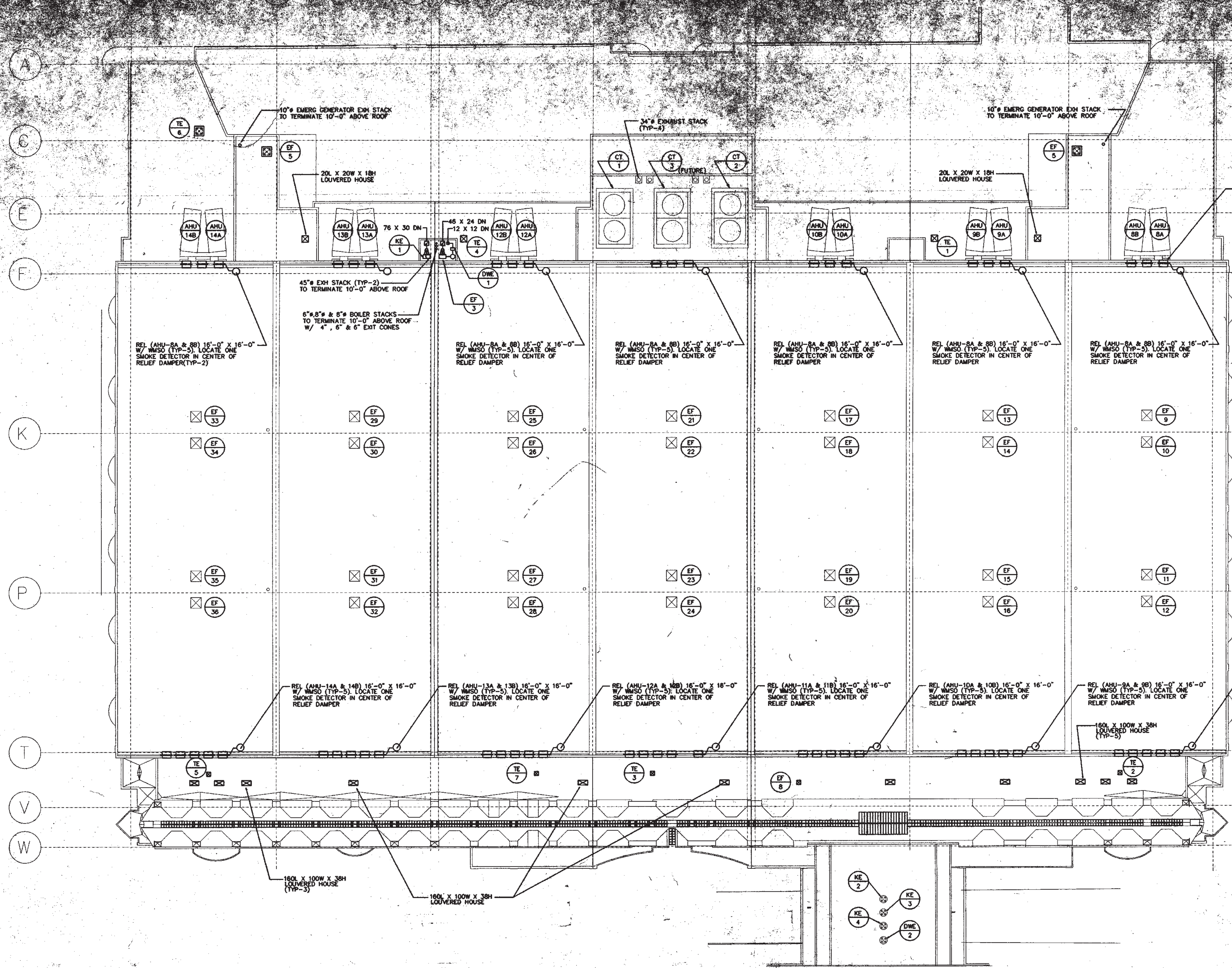
DRAWN EBN DATE 9-91 CHK'D T.L. DATE 3/92

7561 - CONTRACT NO.

ERECTOR DWG. REF. E303

OFFICE FITTER LAYOUT INSPECTION O. INSP.

29402 - DRAWING NO.



- GENERAL NOTES**
1. SEE HW-151 GENERAL NOTES.
 2. ALL BRANCH PIPING RUNS TO UNIT HEATERS, CABINET UNIT HEATERS AND HEATING COILS SHALL BE 3/4" PIPE SIZE, UNLESS OTHERWISE NOTED.

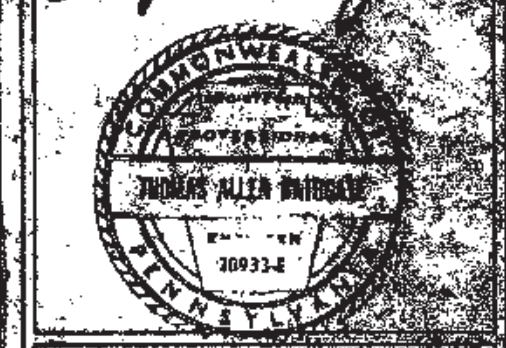
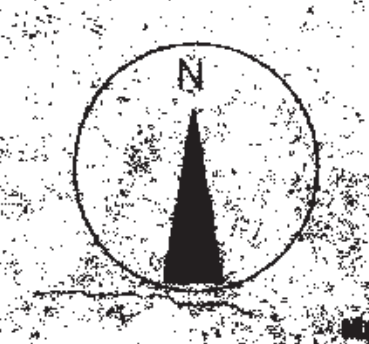
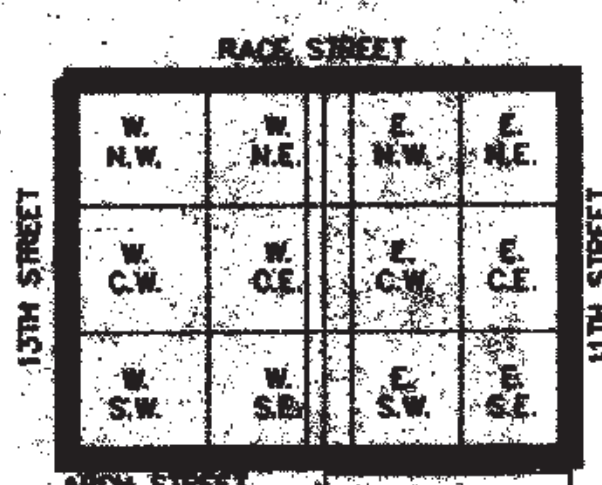
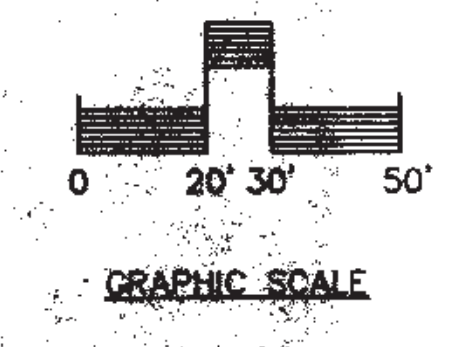
REFER TO HA-SERIES DRAWINGS FOR EXACT LOCATION AND SIZE OF ASSOCIATED RELIEF AIR LOUVERS (TYP)

PHILADELPHIA DESIGN COLLABORATIVE

CONSULTING ENGINEERS

REVISIONS

All dimensions shall be verified by contractor and architect before proceeding with construction.



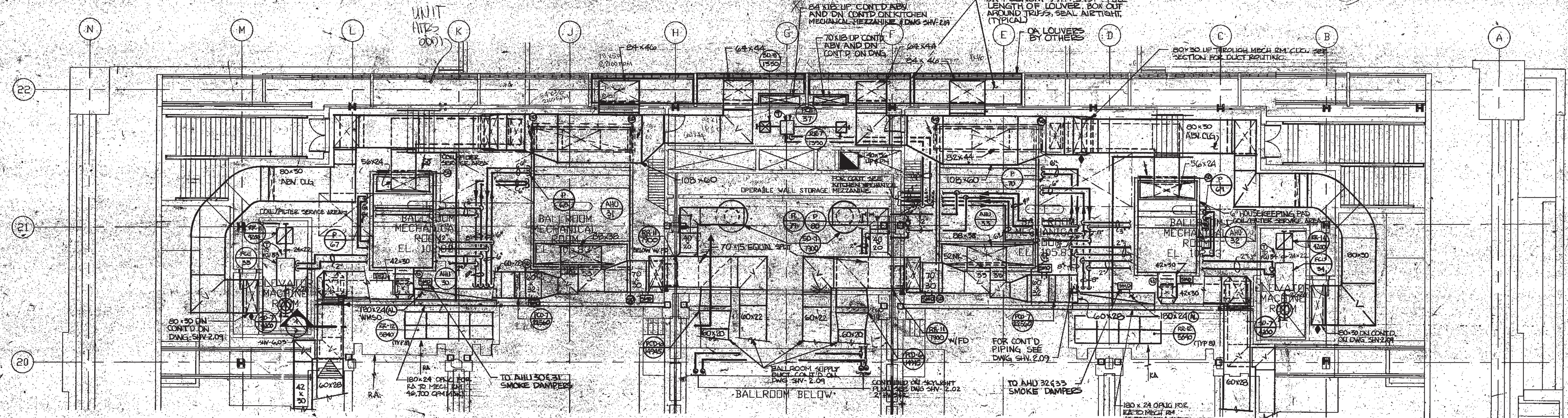
PROJECT NO. 1111
DRAWING NO. 2-10

ROOF PLAN

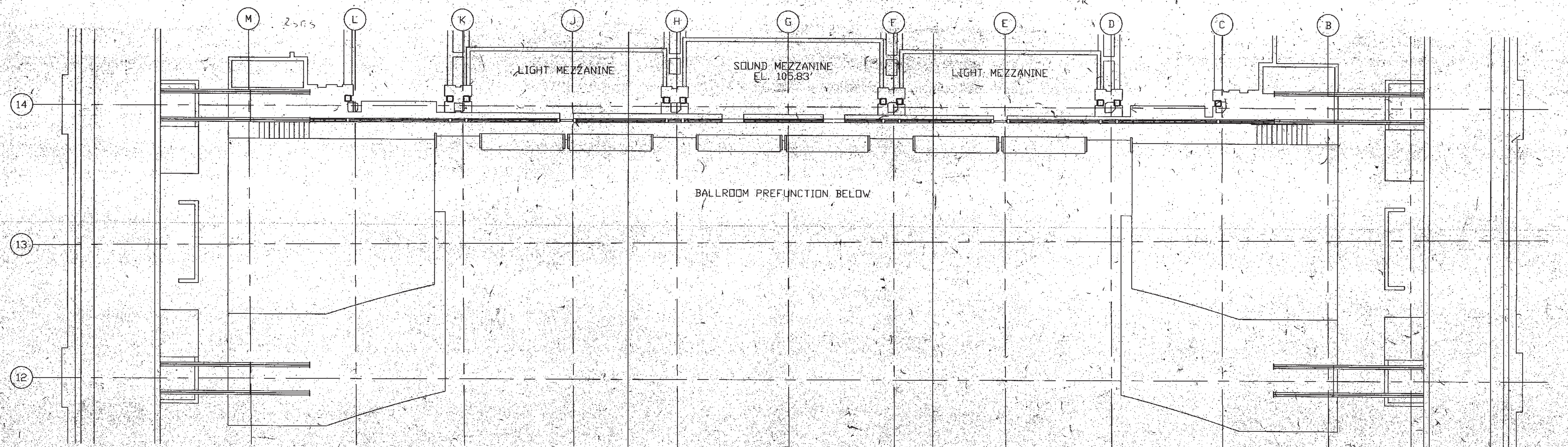
PROJECT NO. 1111
DRAWING NO. 2-10
ISSUE DATE: 10/1/11

GENERAL NOTES:
 1. SEE SIZE OF THE GENERAL NOTES.
 2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
 3. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
 4. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE NOTED.

KITCHEN MECHANICAL MEZZANINE (EL. 129.33')



BALLROOM MECHANICAL MEZZANINES (EL. 102.83' AND EL. 105.83')



AUDIVISUAL / SOUND BOOTH MEZZANINE (EL. 105.83')

PENNSYLVANIA CONVENTION CENTER PHILADELPHIA, PENNSYLVANIA

THOMPSON
 VENTILETT
 STANBACK
 &
 ASSOCIATES, INC.
 ARCHITECTS

WITTEA
 GROUP
 ASSOCIATED ARCHITECTS

KELLY/
 MAIELLO
 ARCHITECTS &
 PLANNERS, INC.

LIVINGSTON/
 ROSENWINKEL
 P.C.
 ARCHITECTS &
 PLANNERS
 CONSULTING ARCHITECTS

PENNEL &
 WILTBERGER
 INC.

CONSULTING ENGINEERS

REVISIONS

PRELIMINARY DOCUMENTS
 FOR INFORMATION ONLY

All dimensions shall be
 verified by contractor and
 architect notified of any
 discrepancies before
 proceeding with construction.

DRAWING TITLE
 BALLROOM
 MEZZANINE
 FAN ROOMS -
 LEVELS 102 &
 105

PROJECT NO. 17000	DRAWING NO. 880300
ISSUE DATE 5/14/92	SHV 2/0
ISSUE DATE 5/14/92	9204-5

NOT RELEASED FOR CONSTRUCTION (DATE)

THOMPSON
VENTULETT
STAINBACK
&
ASSOCIATES, INC.
ARCHITECTS

MITETTA
GROUP
ASSOCIATED ARCHITECTS

KELLY/
MAIELLO
ARCHITECTS &
PLANNERS, INC.

LIVINGSTON/
ROSENWINKEL,
P.C.
ARCHITECTS &
PLANNERS

PENNELL &
WILTBERGER
INC.

PHILADELPHIA
DESIGN
COLLABORATIVE

CONSULTING ENGINEERS

REVISIONS

PRELIMINARY DOCUMENTS
 FOR INFORMATION ONLY

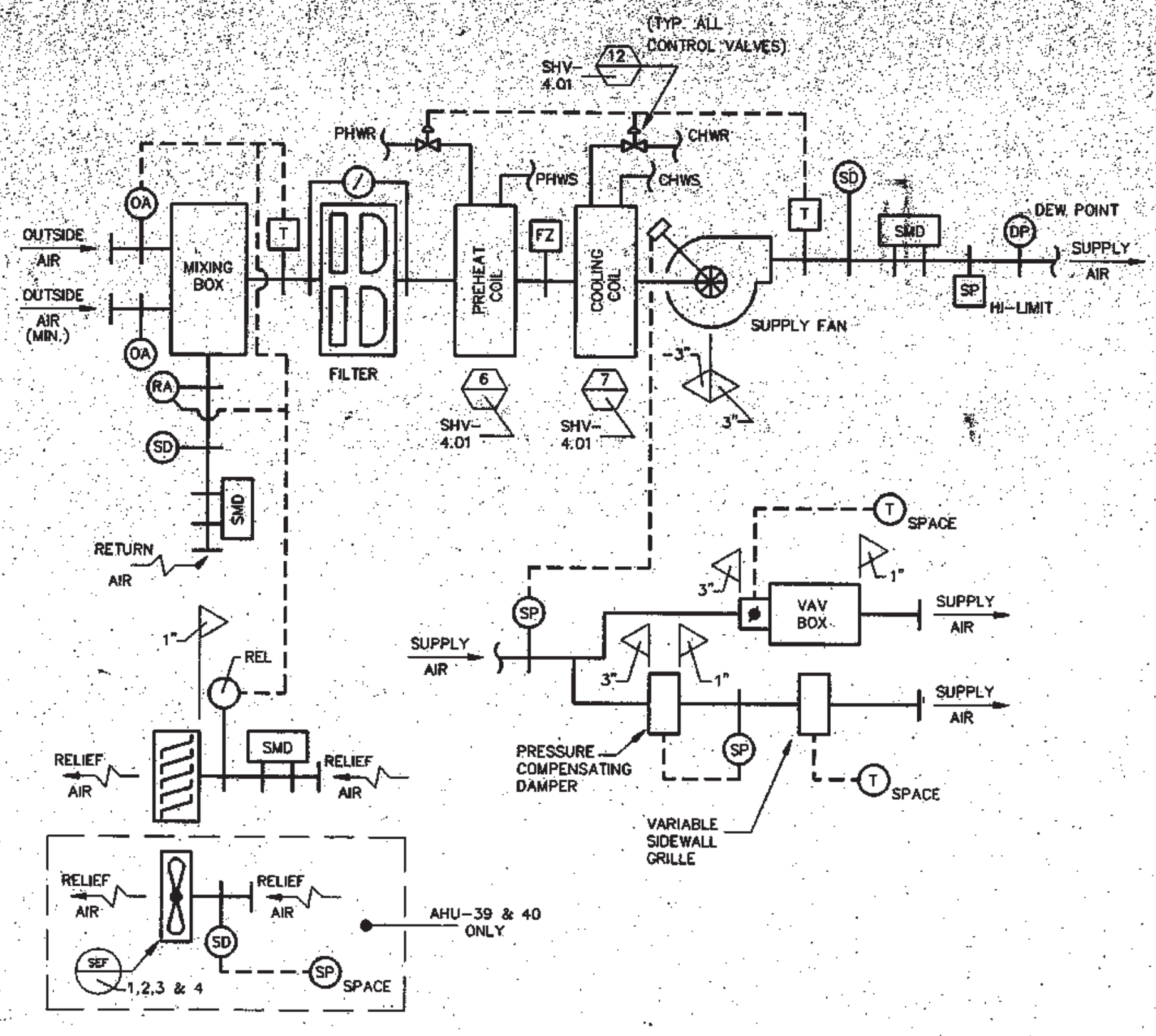
All dimensions shall be verified by contractor and architect notified of any discrepancies before construction.

DRAWING TITLE
FLOW DIAGRAMS

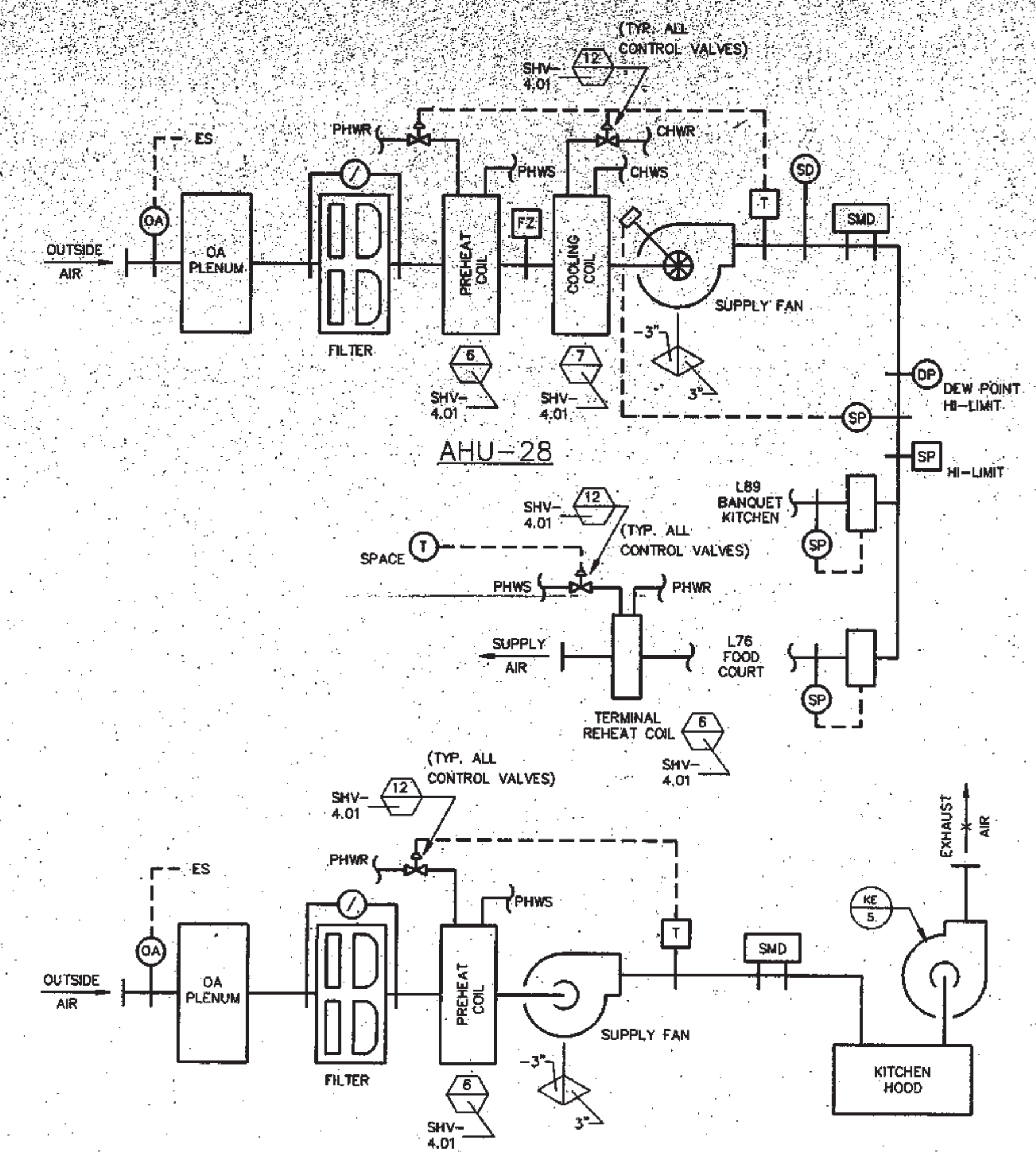
PROJECT NO.
TVSBA
8805.00
W
5194
ISSUE DATE
3/6/92

DRAWING NO.
SHV-
3.01
9204.5

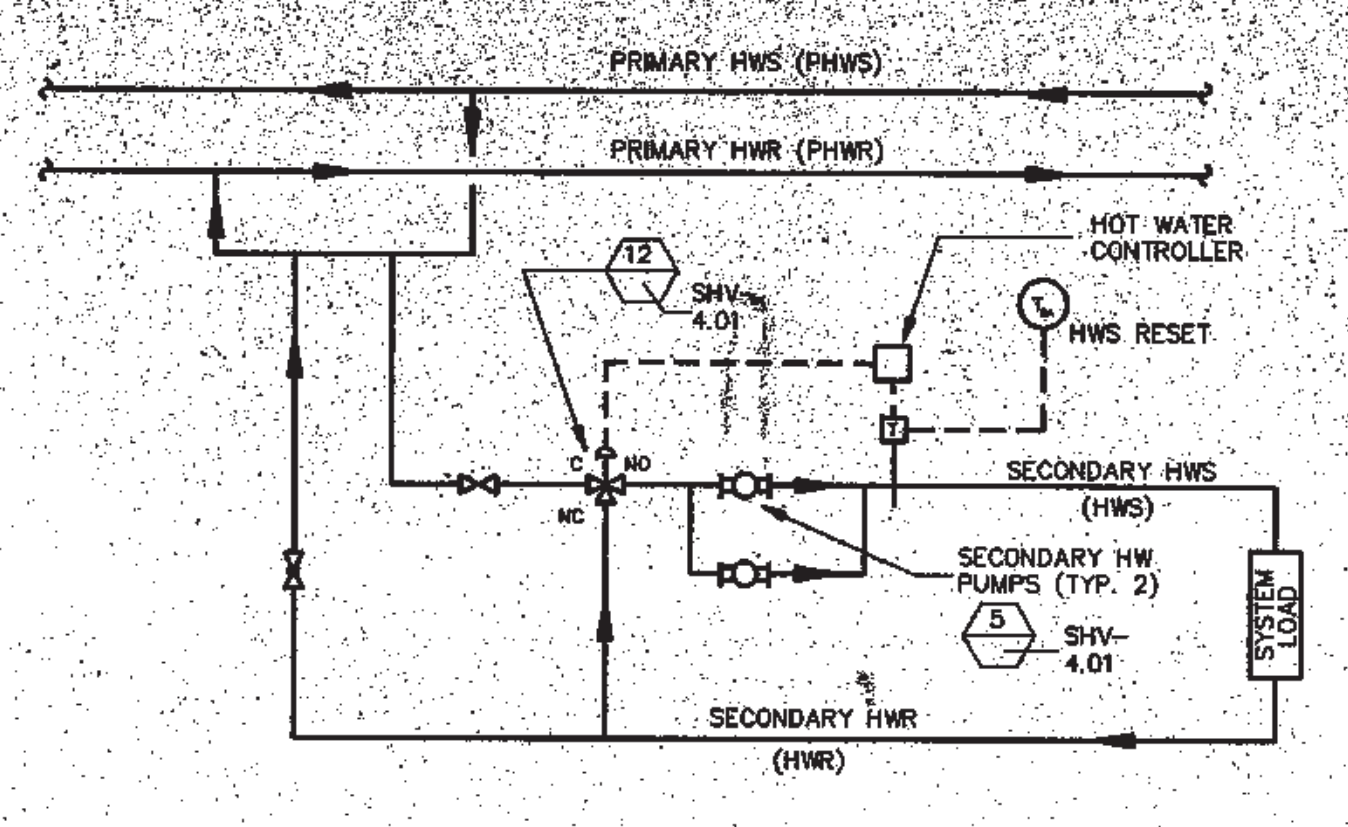
PENNSYLVANIA CONVENTION CENTER PHILADELPHIA, PENNSYLVANIA



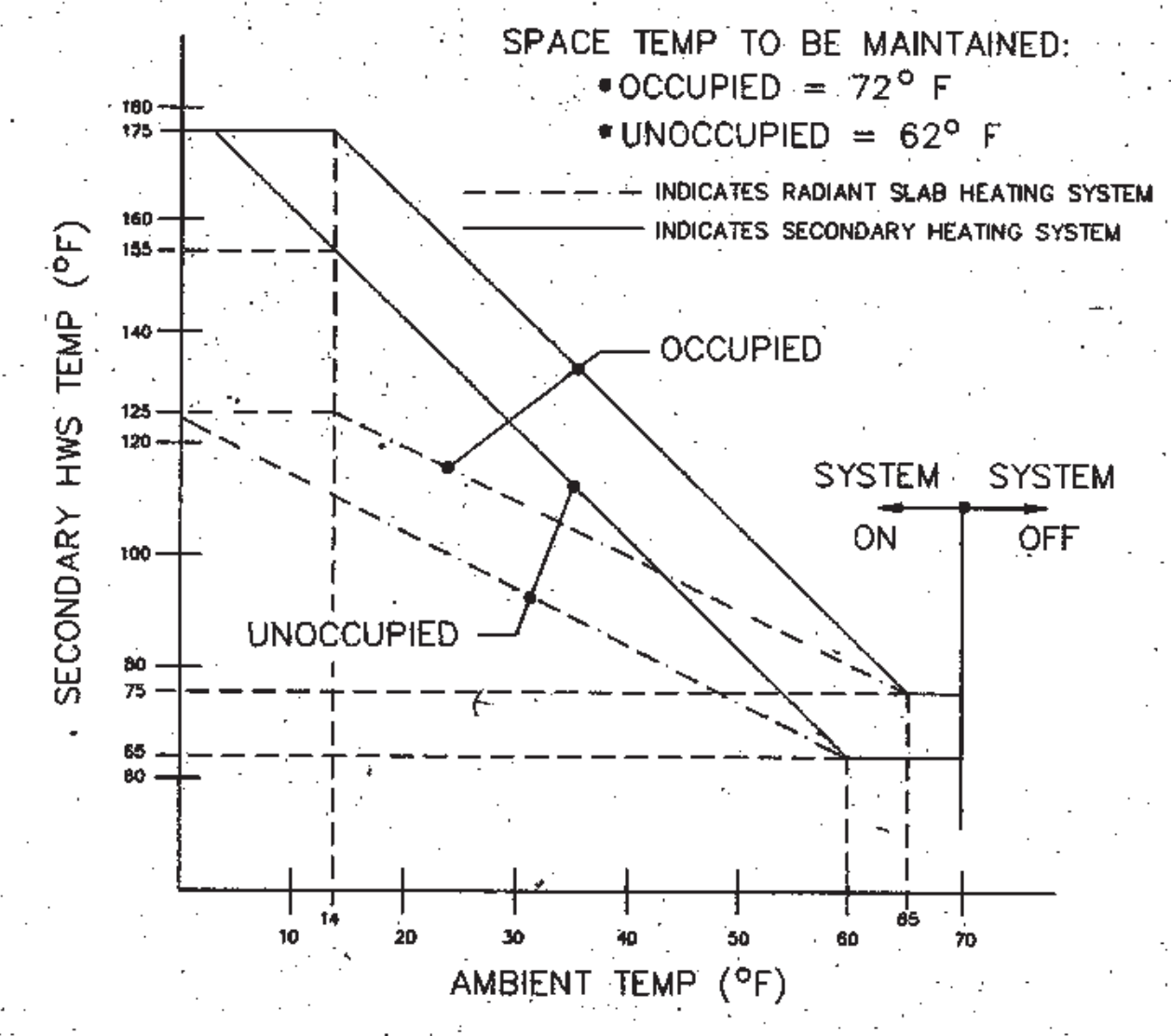
VAV AIR FLOW DIAGRAM - MINIMUM O.A.
AHU-30, 32, 36, 37, 39 & 40



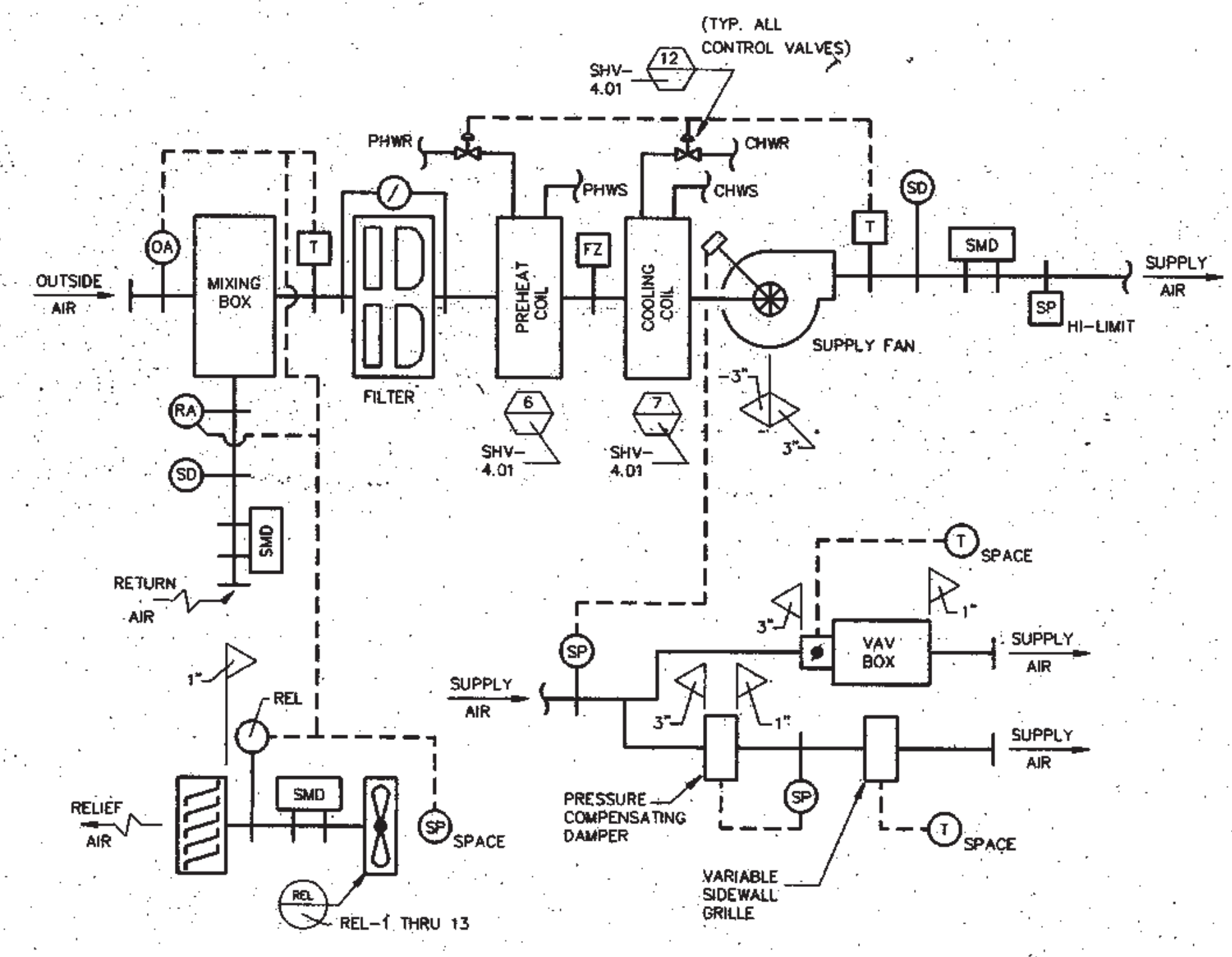
KITCHEN / FOOD COURT AIR FLOW DIAGRAM
AHU-28



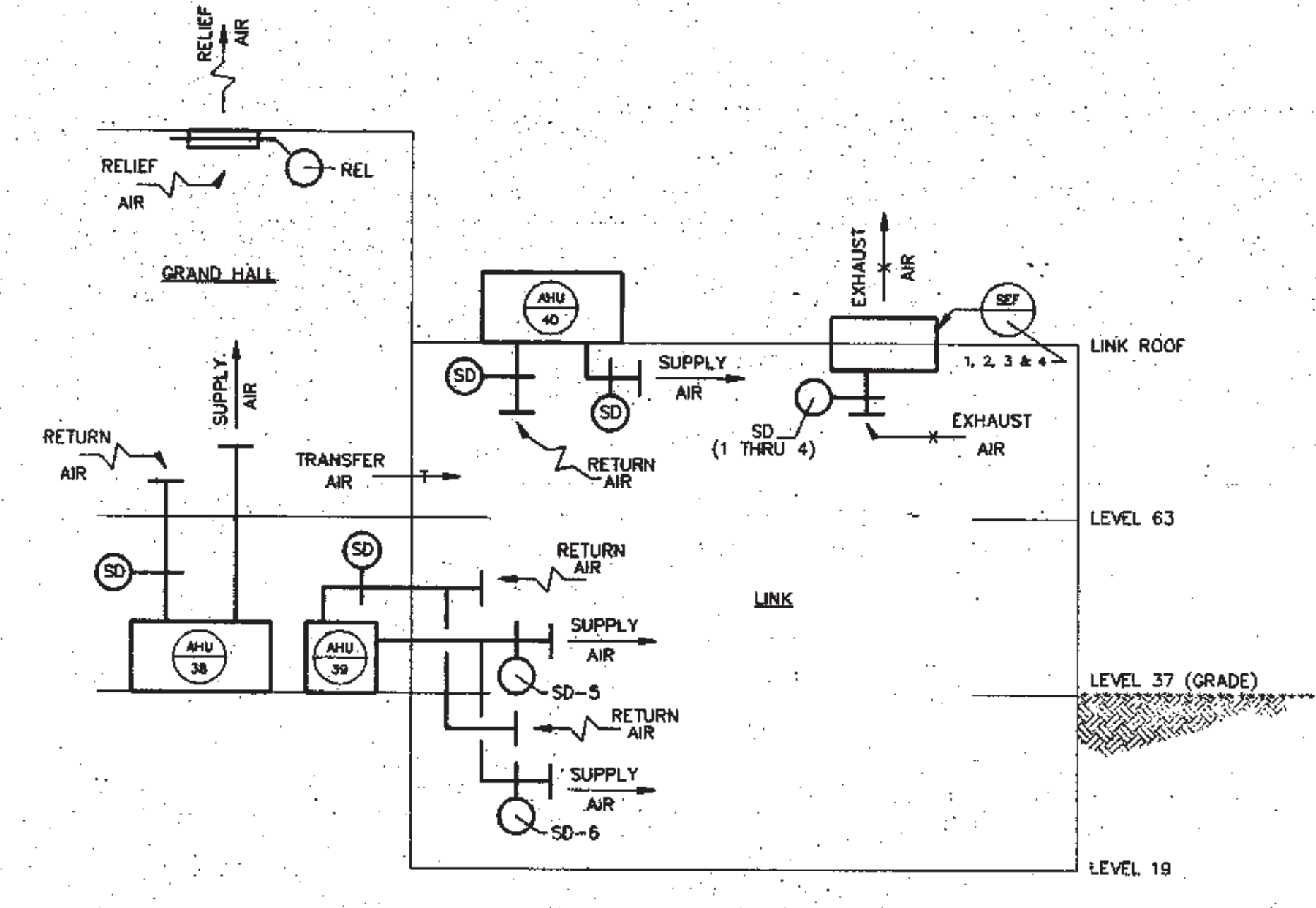
SECONDARY HEATING HW DIAGRAM



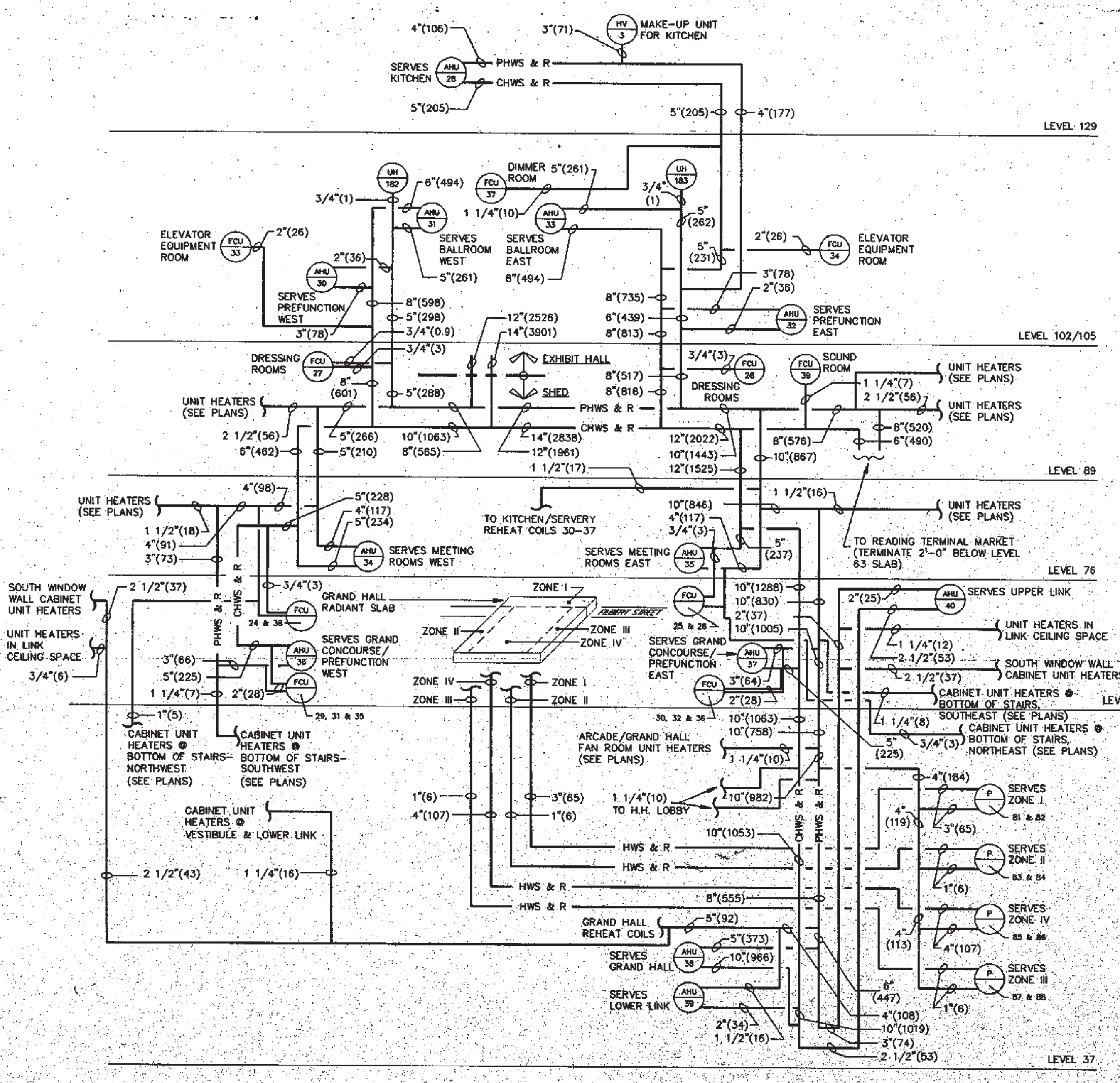
SECONDARY HWS TEMP RESET SCHEDULE



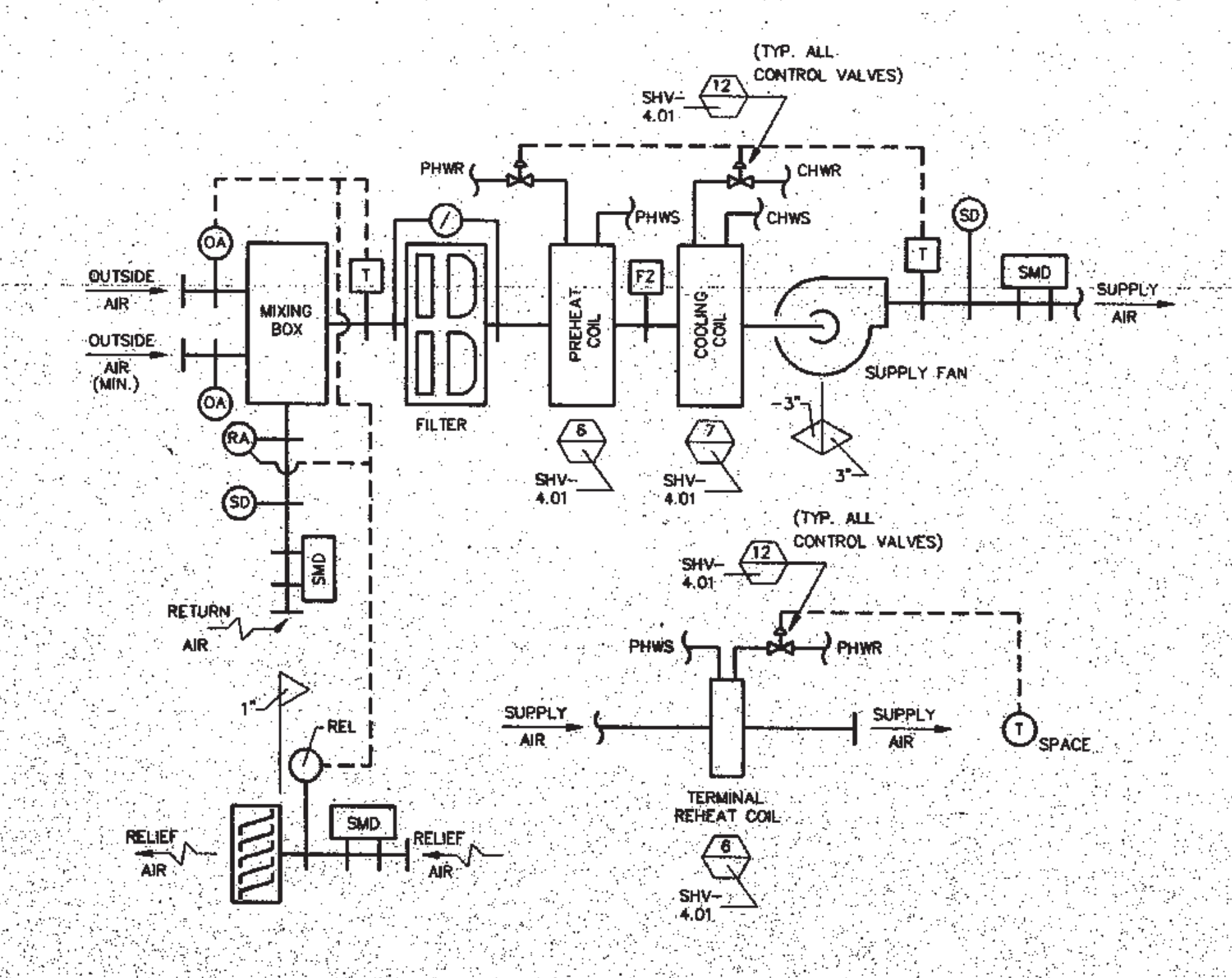
VAV AIR FLOW DIAGRAM - 100% O.A.
AHU-31, 33, 34 & 35



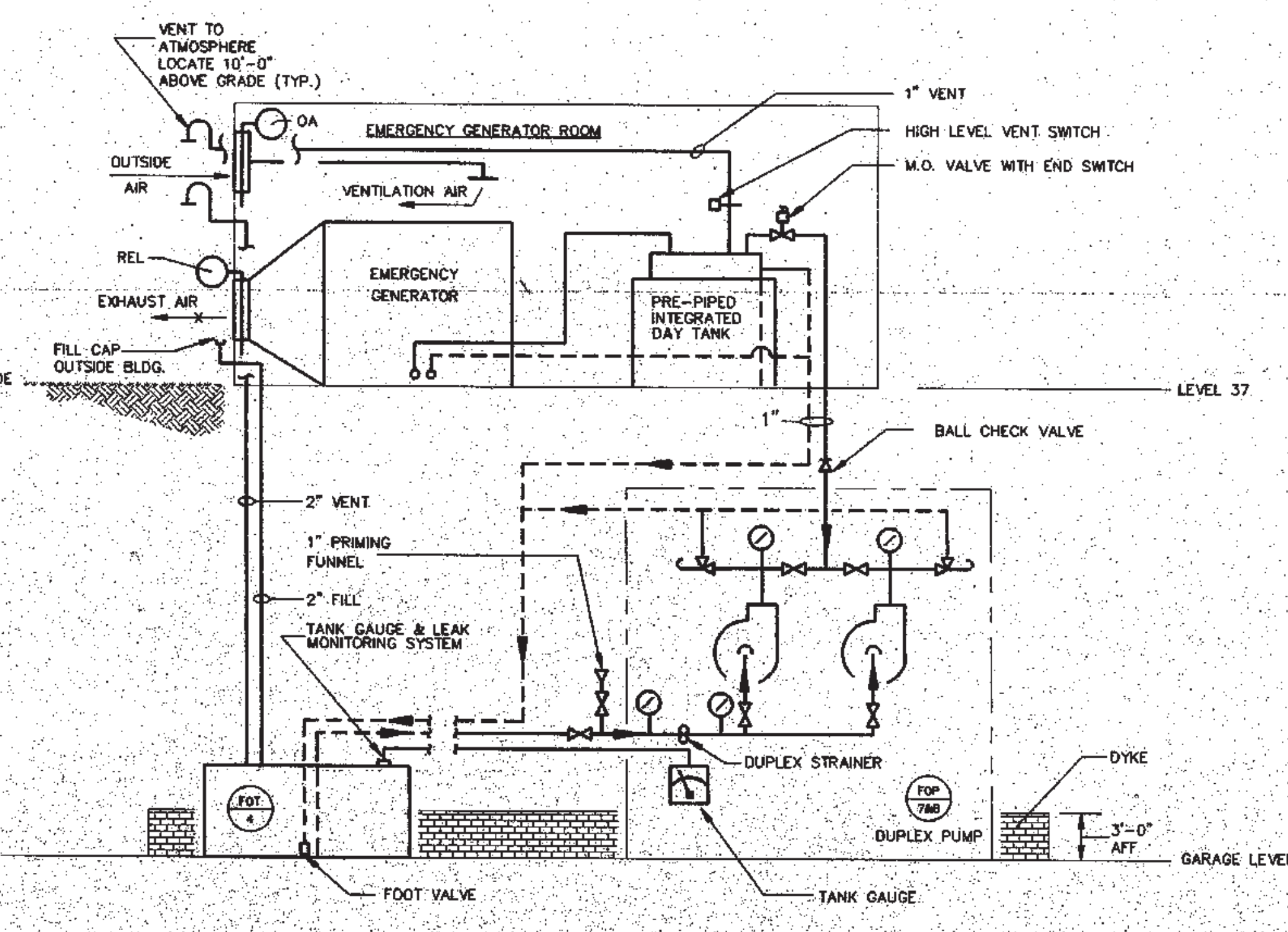
LINK SMOKE CONTROL SYSTEM DIAGRAM



HYDRONIC FLOW DIAGRAM
(NUMBERS IN PARENTHESES REPRESENT GPM)



GRAND HALL AIR FLOW DIAGRAM
AHU-38



FUEL OIL PIPING DIAGRAM
FOP-7 & 8

PENNSYLVANIA CONVENTION CENTER PHILADELPHIA, PENNSYLVANIA

THOMPSON-VENTULETT STAINBACK & ASSOCIATES, INC. ARCHITECTS

VITETTA GROUP ASSOCIATED ARCHITECTS

KELLY/MAIELLO ARCHITECTS & PLANNERS, INC.

LIVINGSTON/ROSENWINKEL, P.C. ARCHITECTS & PLANNERS CONSULTING ARCHITECTS

PENNELL & WILTBERGER INC.

CONSULTING ENGINEERS

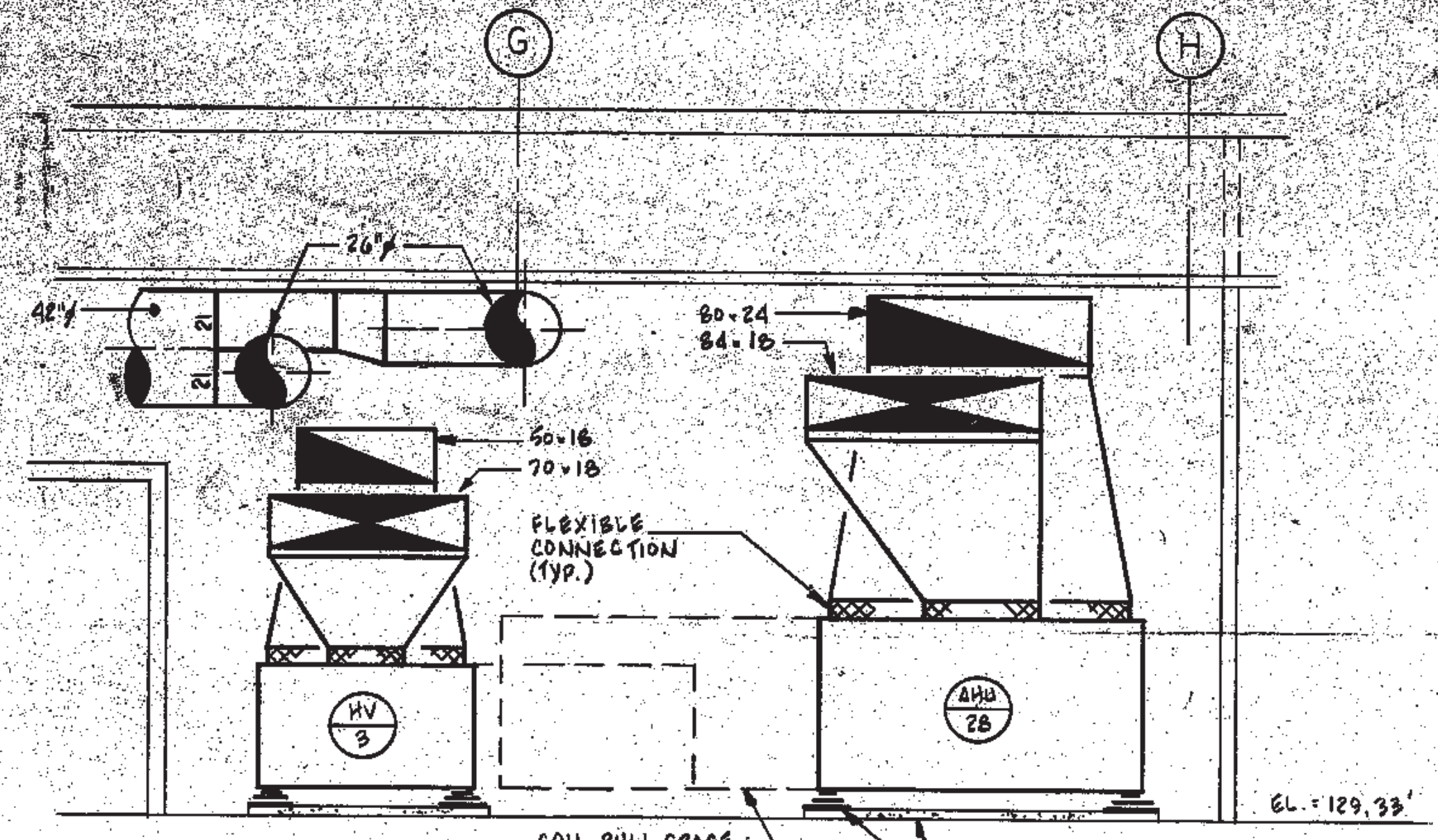
REVISIONS

PRELIMINARY DOCUMENTS FOR INFORMATION ONLY

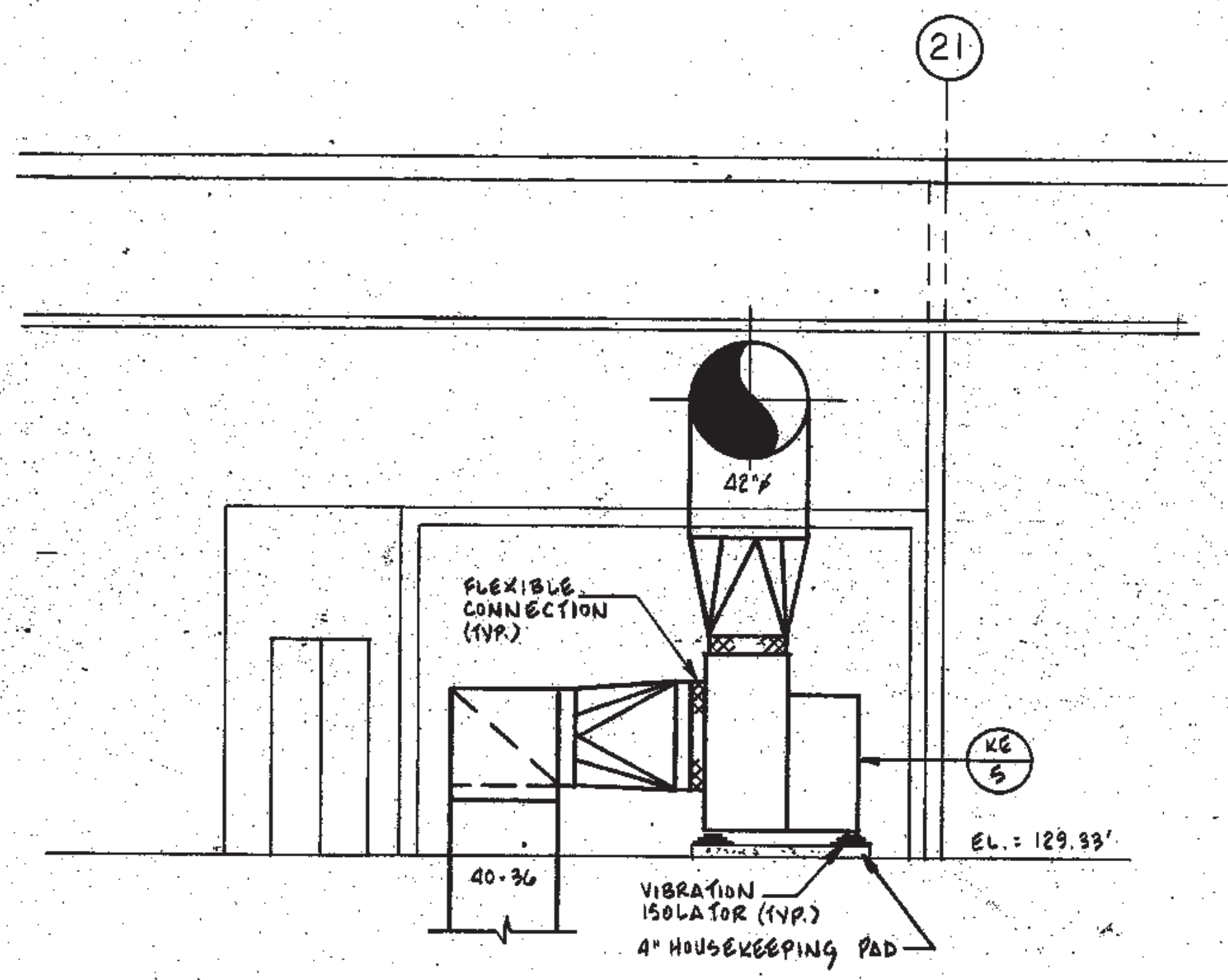
All dimensions shall be verified by contractor and architect notified of any discrepancies before proceeding with construction.

DRAWING TITLE
SECTIONS

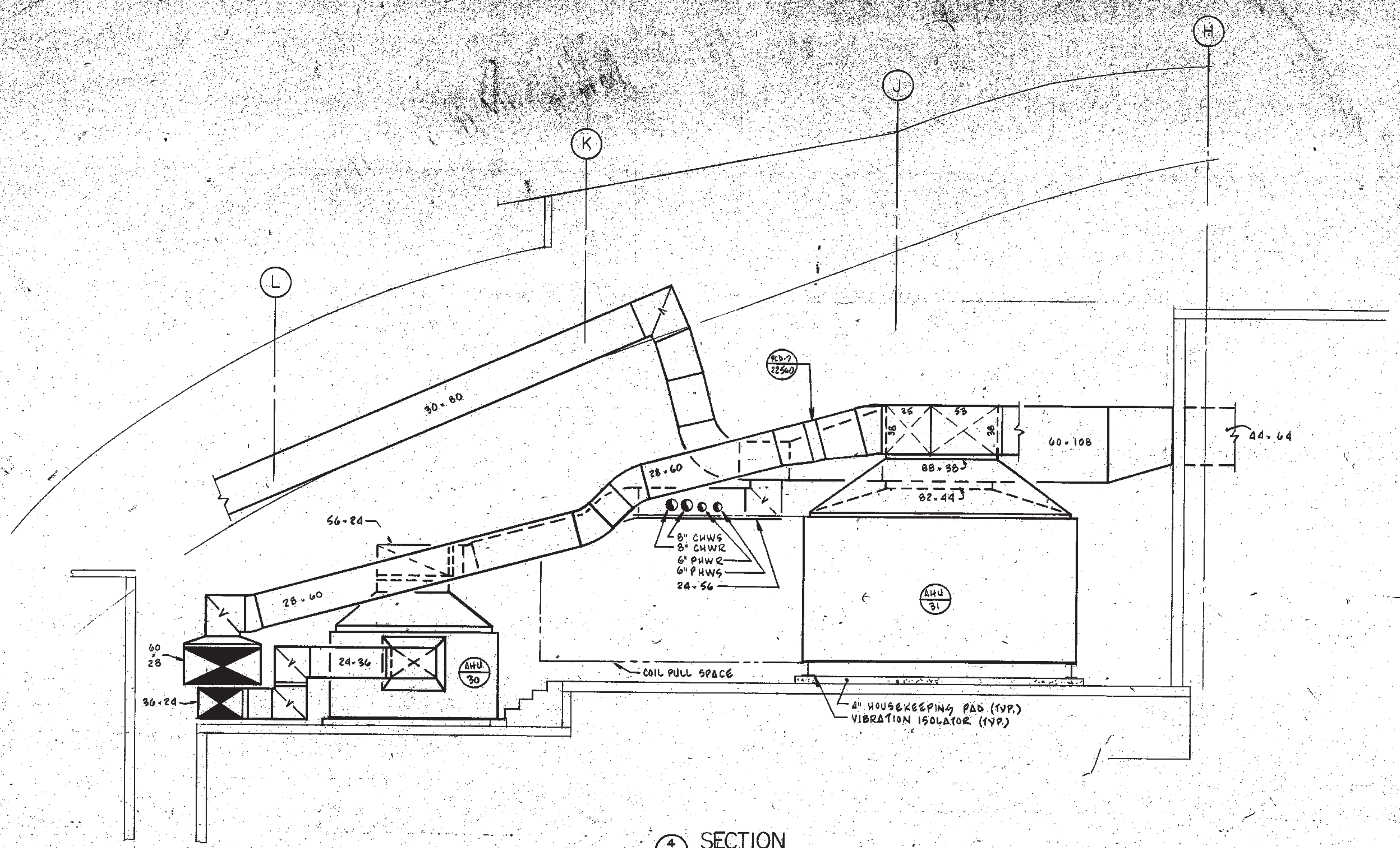
PROJECT NO. TVS&A 8803.00	DRAWING NO. SHV- 6.03
ISSUE DATE 3/6/92	9204-5



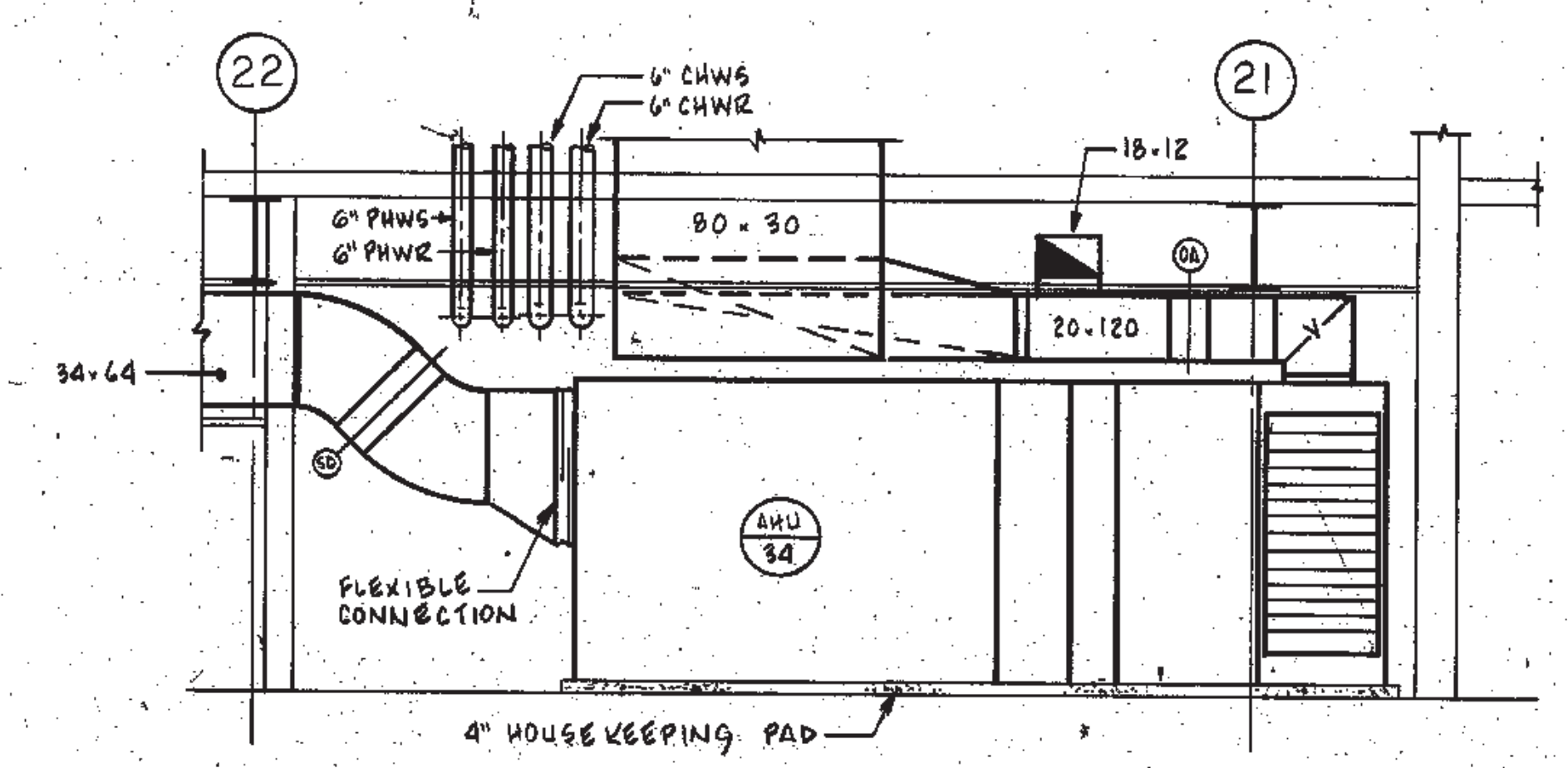
SECTION 1
SCALE: 1/4" = 1'-0"
SHV-2.10



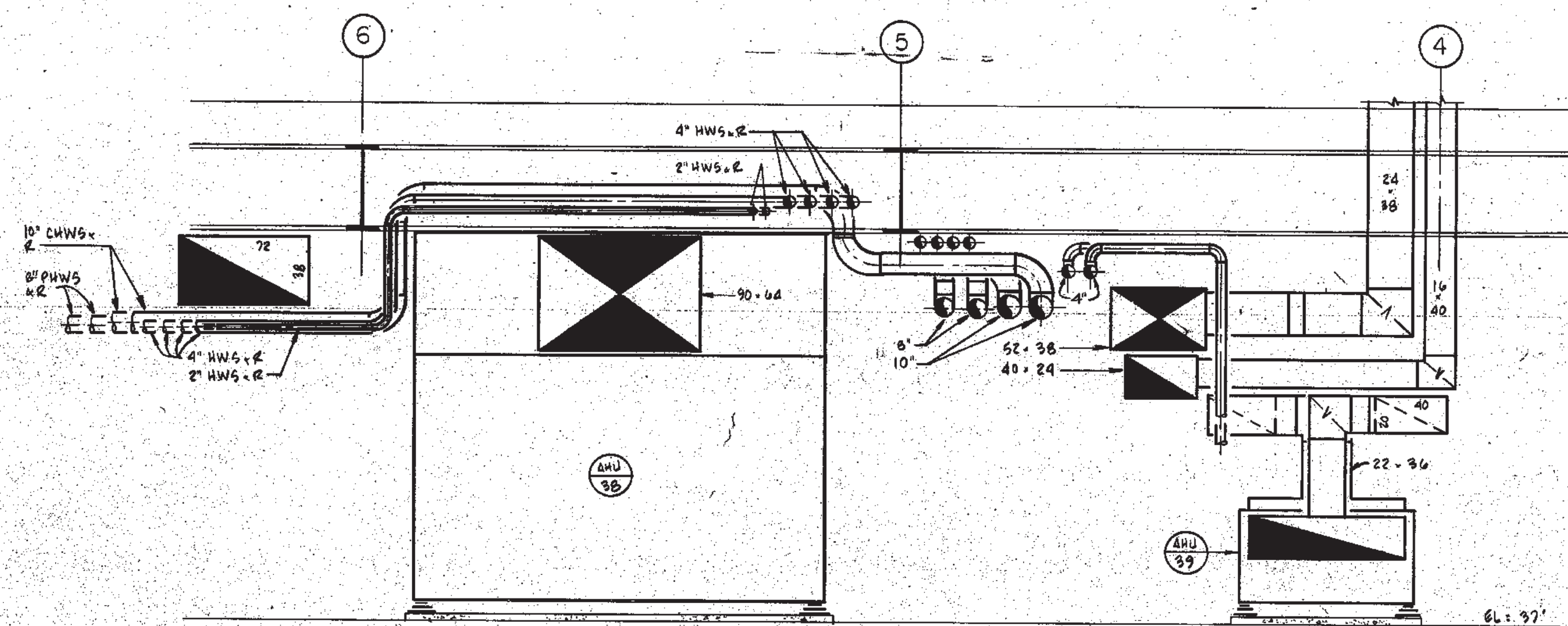
SECTION 2
SCALE: 1/4" = 1'-0"
SHV-2.10



SECTION 4
SCALE: 1/4" = 1'-0"
SHV-2.10



SECTION 5
SCALE: 1/4" = 1'-0"
SHV-2.07



SECTION 3
SCALE: 1/4" = 1'-0"
SHV-2.03

NOT FOR CONSTRUCTION (DATE)

