

ELECTRICAL SPECIFICATIONS

1. **SCORE:** The Contractor shall furnish all labor, materials, equipment and perform all operations required for the complete installation of all electrical work and related systems as shown on the drawings and/or called for in this Specification.
2. **MATERIALS AND WORKMANSHIP:** Materials and workmanship shall conform to the following standards, edition in effect on the date of bids:
 - a. National Electrical Code
 - b. Underwriter's Laboratory, Inc.-Standards
 - c. National Fire Protection Association-Codes
 - d. Applicable Codes of the District of Columbia
3. **PERMITS AND INSPECTIONS:** The Contractor shall obtain and pay for all permits and certificates required and, upon completion of the work, deliver certificates of final inspection and approval to the Owner.
4. **EXISTING CONDITIONS:** The Contractor shall visit the site and verify existing conditions before submitting a bid on the work. No subsequent allowance will be made for errors and omissions in construction with this examination.
5. **SHOP DRAWINGS AND SAMPLES:** Shop drawings of all manufactured items of equipment shall be submitted to the Engineer for approval prior to ordering. Samples may be required for the approval of any specific item as further directed by the Engineer.
6. **CUTTING AND PATCHING:** The cutting of walls, floors, partitions, etc. for the passage of wiring or the accommodation of outlet boxes, etc., the closing of superfluous openings and the removal of all debris caused by said work under this contract shall be performed by and at the expense of the Contractor. No work shall be done as a result of such cutting shall be restored under this Division to match the original work.
7. **OUTLET LOCATIONS:** The general arrangement and location of the various lighting and power outlets are schematic only and are intended only to serve as a guide for the building and installation. The exact final location of all outlets shall be approved by the Engineer. Prior to installation, it should be noted that a reasonable starting in outlet boxes shall be done at no increased cost to the Owner.
8. **TEMPORARY ELECTRICAL SERVICE:** Temporary electrical service for construction purposes may be derived from the existing building electric service.
9. **TELEPHONE SERVICE:** Telephone service to the project shall be derived from the existing building service. Final locations of all telephone outlets shall be as directed in the field by the Engineer.
10. **WIRING METHODS AND MATERIALS:**
 - a. All wiring shall be installed in accordance with applicable Codes and Ordinances. Raceways may be either IMC or EMT conduit or flexible metal conduit, providing that the use of any type of raceway is in conformance with local Codes and Ordinances. BX cable may be used ONLY by special permission from the OWNER and ONLY if said cable contains a full size, insulated ground wire. R/C conduit may be used for outdoor runs below grade.
 - b. All wiring shall be #12 AWG minimum, copper, type THW-THHN or THHN.
 - c. Splices in branch circuits and feeders shall be made with "wirenuts", for wire sizes of #10 AWG and smaller. For wire sizes of #8 AWG and larger, splices shall be made with mechanical connectors as manufactured by 0-2, Burndy, T&B, or approved equal.
11. **WIRING DEVICES:**
 - a. Provide wiring devices as indicated or as required. Catalog numbers are those of Arrow-Hart, unless otherwise noted, and indicate type and quality of device required.
 - b. Wiring devices shall be in accordance with the following:

DEVICE	CATALOG NO.
Switch - Single Pole	1501-1
Switch - Three Way	1501-1
Switch - Four Way	5724-1
Recept - Ground Fault Circuit Interrupter	1591-1F
Device Plates - Stainless Steel	Type 302
Weatherproof Recept. Cover	4500
12. **LIGHTING FIXTURES:**
 - a. Provide lighting fixtures as shown on the plans. Each lighting fixture shall be complete with all accessories, hangers, trim and lamp(s) as recommended by the manufacturer. Fixtures shall bear the U.L. Label.
 - b. The permanent lighting fixtures shall not be used for temporary purposes during the construction period.
 - c. Existing lighting fixtures being removed shall be turned over to the Owner in good condition and properly working.
13. **DEMOLITION:**
 - a. Existing electrical work shall be removed as noted on the drawings and as directed by Col. James York. (See Drawing No. E-50a, Drawing Notes) Care shall be taken to remove existing work in such a manner not to cause any physical or structural damage to any part of the building or the electrical work that is to remain. Existing electrical work shall be removed so that no work is visible after the new construction has been completed.
 - b. The Contractor shall cooperate fully with Col. York and the Engineer in the determination of the extent of and the methods utilized in the demolition work.
14. **AS-BUILT DRAWINGS:**
 - a. The Contractor shall turn over to the Engineer, at the final inspection, one (1) clean set of drawings showing the layout of the actual electrical installation. Said drawings shall include wiring diagrams, wiring diagrams and the manufacturer's Maintenance and Operating Manuals for all equipment items.
15. **TESTS:**
 - a. Upon completion of the work and at such a time as the Engineer may direct, the Contractor shall conduct an operating test for approval. All systems shall be demonstrated to be in accordance with the drawings and specifications. Defects revealed shall be corrected promptly and the test reconducted as the Engineer may direct.
 - b. **GUARANTEE:**
 - a. The Contractor shall guarantee the entire electrical installation free from defects for a period of one (1) year from the time of final acceptance by the Owner. During this guarantee period, the Contractor shall be responsible for the proper adjustment of all electrical systems, equipment and apparatus installed by him, and do all work necessary to insure efficient and proper functioning of same.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MOUNTING	MANUFACTURER	REMARKS
A	2" x 4" RECESSED FLUORESCENT	1-240	RECESSED	DAY-BLITE 20-650	
A1	SAME AS TYPE "A"	1-240	RECESSED	DAY-BLITE 20-650	
A3	7" x 7" NOMINAL RECESSED STATIC	2-750	RECESSED	DAY-BLITE 20-650	
B	HIGH PRESS SODIUM SURFACE MOUNTED WALLPAC	1-500	SURFACE	DAY-BLITE 20-650	
C	SURFACE MOUNTED PACKAGED RECEPT	1-500	SURFACE	DAY-BLITE 20-650	
D	7" x 7" NOMINAL RECESSED STATIC	2-750	RECESSED	DAY-BLITE 20-650	
E	2" x 4" NOMINAL RECESSED STATIC	1-240	RECESSED	DAY-BLITE 20-650	
E1	SAME AS TYPE "E"	1-240	RECESSED	DAY-BLITE 20-650	
E2	SAME AS TYPE "E"	1-240	RECESSED	DAY-BLITE 20-650	
F	4" x 6" NOMINAL FLUORESCENT	1-500	SURFACE	DAY-BLITE 20-650	
G	SEMI-RECESSED FLUORESCENT	1-500	SURFACE	DAY-BLITE 20-650	
H	SLAKE AS TYPE "G"	1-500	SURFACE	DAY-BLITE 20-650	
I	ENCLOSURE FASTENED WALL BRACKET	1-500	ON WALL	DAY-BLITE 20-650	
J	6" x 4" x 0" NOMINAL DAMP COUPLER	1-500	SURFACE	DAY-BLITE 20-650	
K	6" x 4" x 0" NOMINAL RECESSED	1-500	SURFACE	DAY-BLITE 20-650	
K1	SAME AS TYPE "K"	1-500	SURFACE	DAY-BLITE 20-650	
L	NOT USED				

PANEL MDP2			
CKT	SERVING	BREAKERS	CKT
No		POLE AMP VOLT	SERVING
1	WALL MOUNTED	4	CLINTON
2	WALL MOUNTED	4	CLINTON
3	WALL MOUNTED	4	CLINTON
4	WALL MOUNTED	4	CLINTON
5	WALL MOUNTED	4	CLINTON
6	WALL MOUNTED	4	CLINTON
7	WALL MOUNTED	4	CLINTON
8	WALL MOUNTED	4	CLINTON
9	EXIST. RECEPT	4	SPACE & BUS UNIT
10	EXIST. RECEPT	4	SPACE & BUS UNIT
11	EXIST. RECEPT	4	SPACE & BUS UNIT
12	EXIST. RECEPT	4	SPACE & BUS UNIT
13	EXIST. RECEPT	4	SPACE & BUS UNIT
14	EXIST. RECEPT	4	SPACE & BUS UNIT
15	EXIST. RECEPT	4	SPACE & BUS UNIT
16	EXIST. RECEPT	4	SPACE & BUS UNIT
17	EXIST. RECEPT	4	SPACE & BUS UNIT
18	EXIST. RECEPT	4	SPACE & BUS UNIT
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41	EXIST. RECEPT	4	SPACE & BUS UNIT
42	EXIST. RECEPT	4	SPACE & BUS UNIT
43	EXIST. RECEPT	4	SPACE & BUS UNIT

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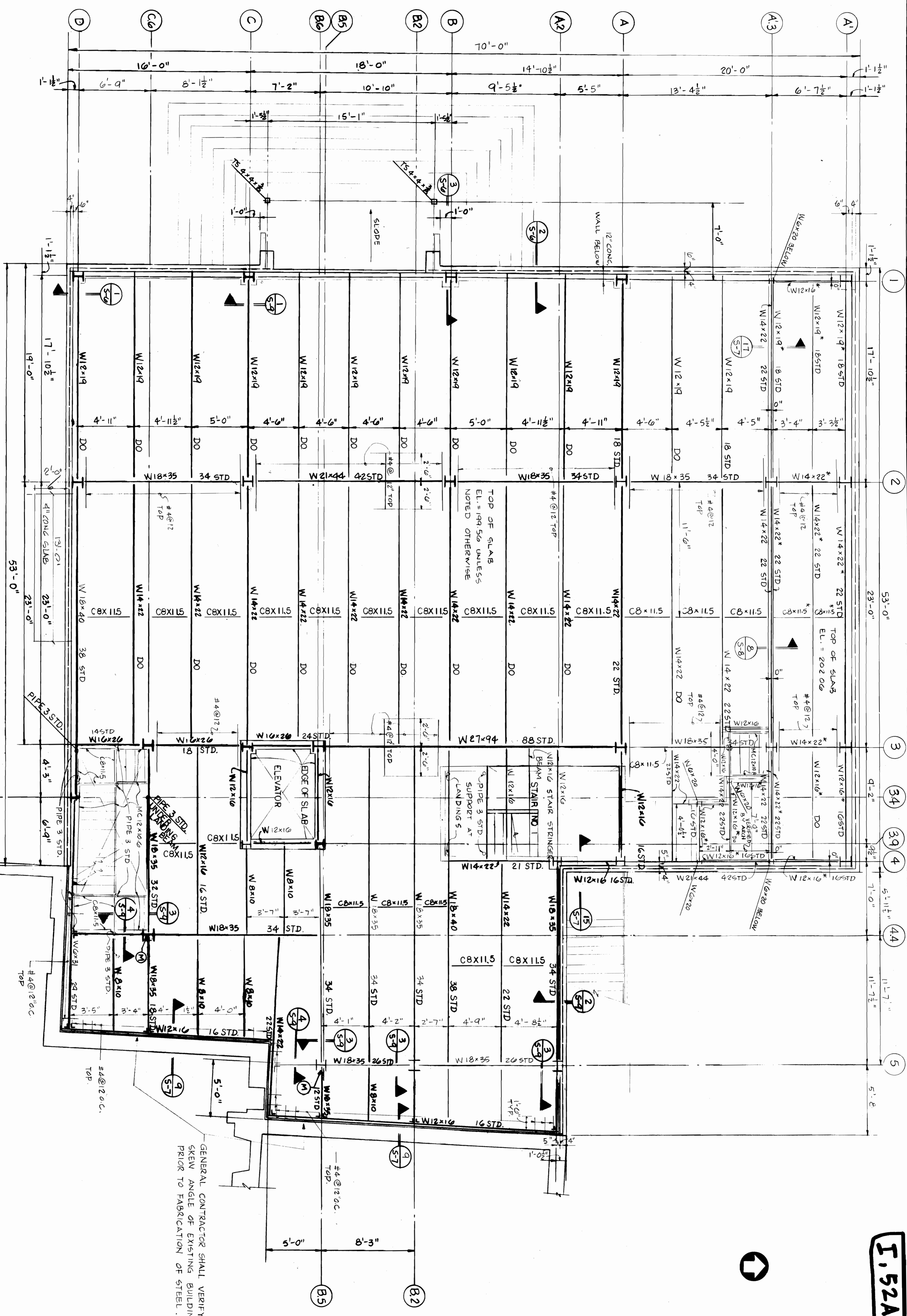
Organization of American States
INTER-AMERICAN DEFENCE BOARD BUILDING
2800 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

OTTO & BLECK

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I. 52A (24)



SECOND FLOOR FRAMING PLAN
 $\frac{1}{4}'' = 1'-0''$

SECOND FLOOR FRAMING NOTES:

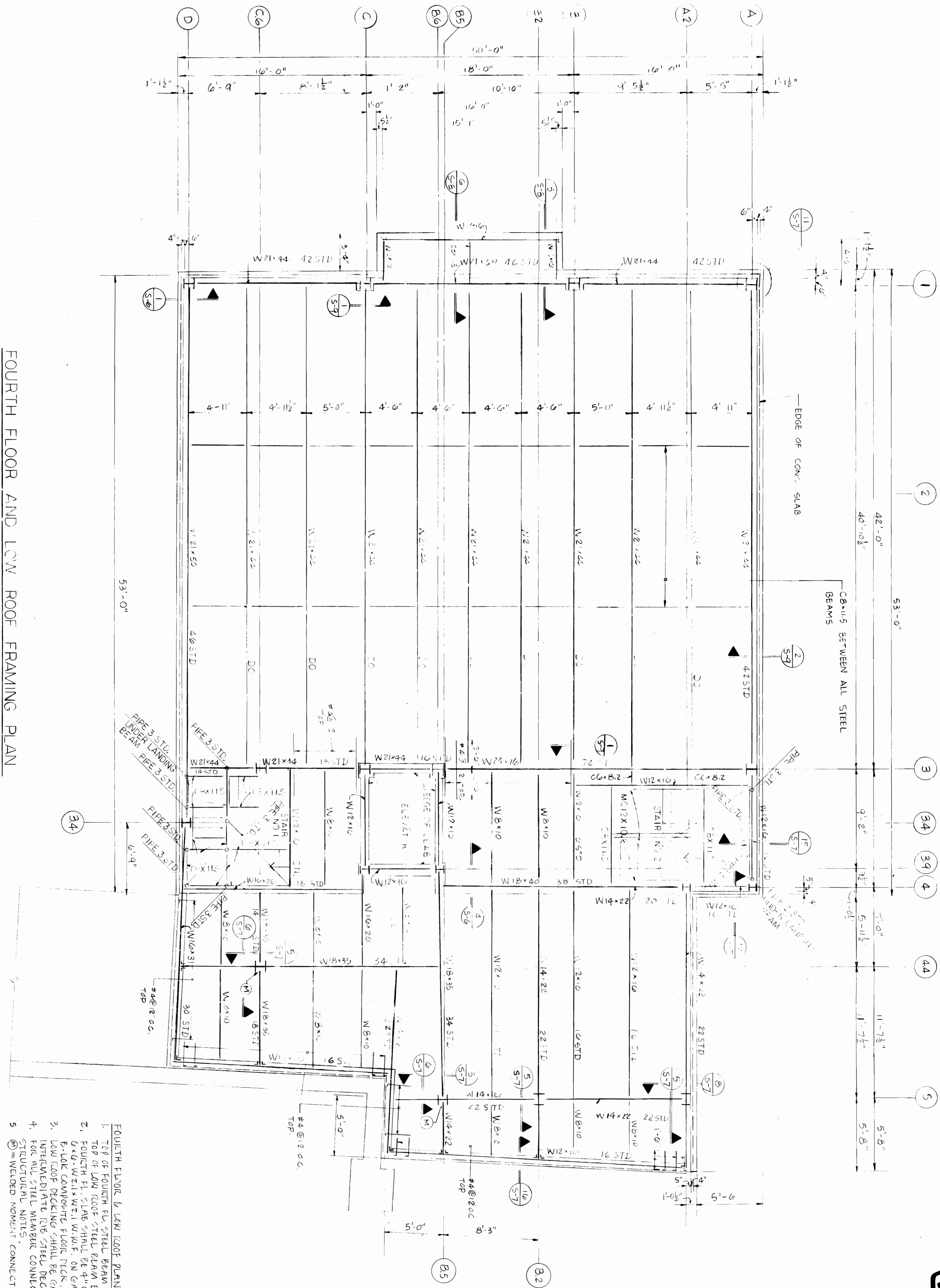
1. TOP OF SECOND FL. STEEL BEAM ELEVATION = 199.23 UNLESS OTHERWISE NOTED.
2. SECOND FL. SLAB SHALL BE 4" CONCRETE COMPOSITE SLAB WITH U-G-W12x19/W21x44 W.I.F. ON GALVANIZED 22 GA. 12" B-LIKE COMPOSITE FLOOR DECK. FOR DETAILS SEE 4-15-10.
3. FOR ALL STEEL MEMBER CONNECTIONS NOT SHOWN SEE STRUCTURAL NOTES AND SECT. 1/5-9.
4. TOP OF STEEL BEARS MARKED THUS W 12x16 * SHALL BE EL. 201.73

GENERAL CONTRACTOR SHALL VERIFY SKEW ANGLE OF EXISTING BUILDING PRIOR TO FABRICATION OF STEEL.

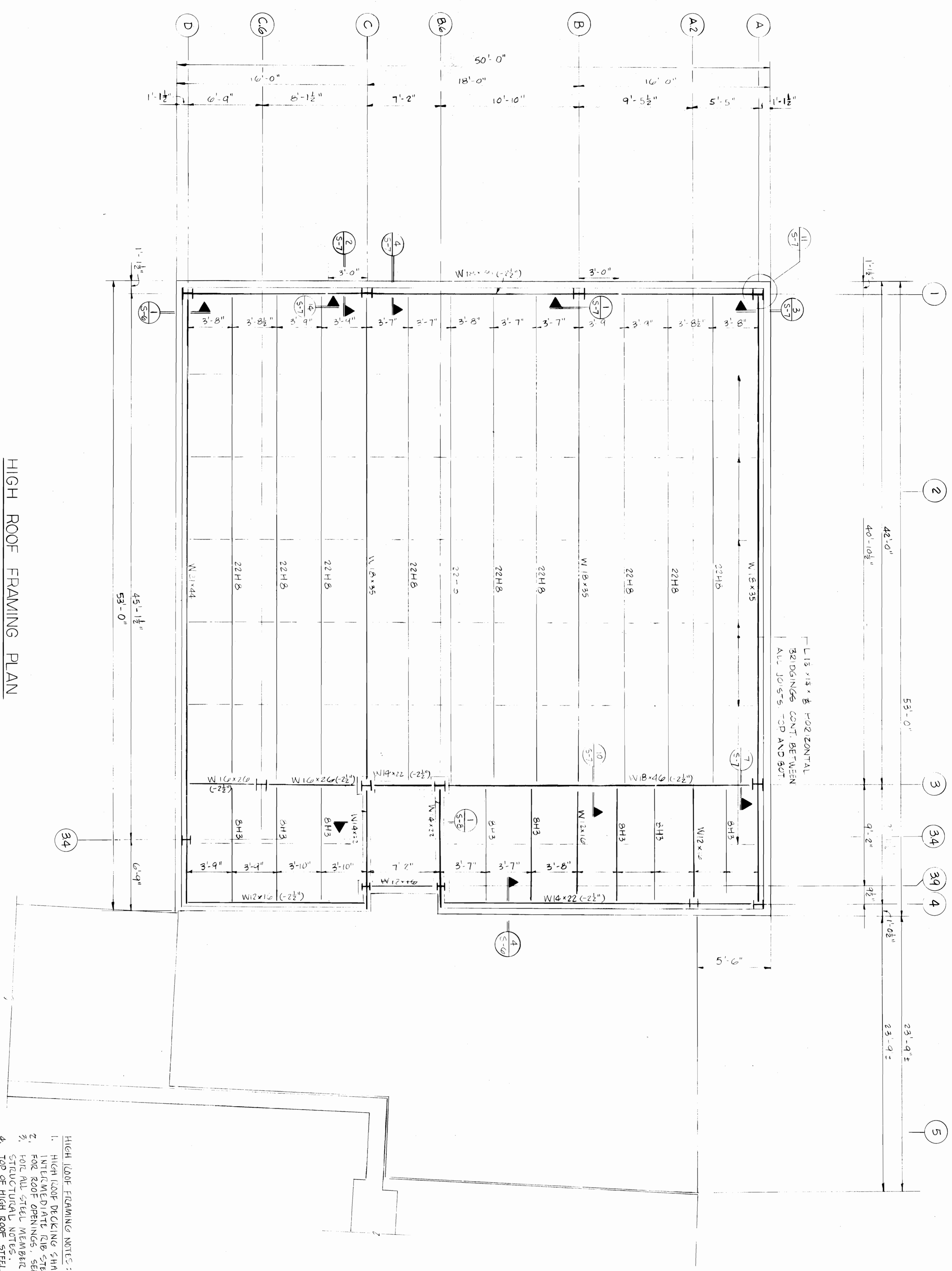
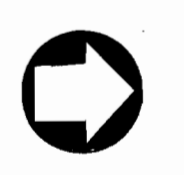
<p>Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.</p>	<p>SECOND FLOOR FRAMING PLAN</p>	<p>ASST. SECRETARY FOR MGT DIR. OF DEPT. OF MATERIAL RESOURCES CHAS. ARCHITECT</p>	<p>THE M.K.M. PARTNERSHIP ARCHITECTURE · INTERIOR DESIGN</p> <p>2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 223-6108</p>
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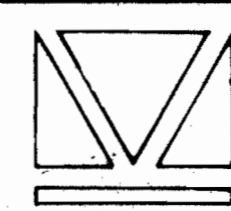


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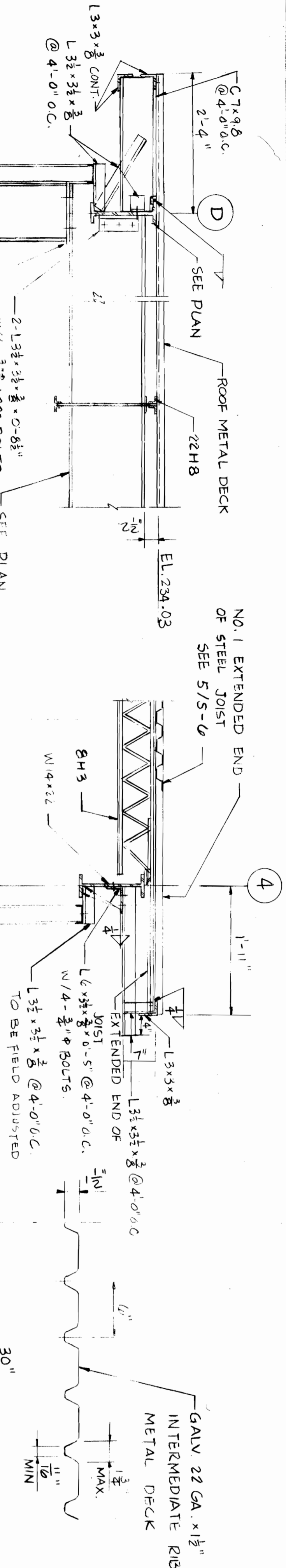


HIGH ROOF FRAMING PLAN
1/4" = 1'-0"

- HIGH ROOF FRAMING NOTES:
1. HIGH ROOF DECKING SHALL BE GALVANIZED T.C. GA. 1 1/2" INTERMEDIATE RIB STEEL DECK. FOR DETAILS, SEE 5/5-C.
 2. FOR ROOF OPENINGS, SEE STRUCTURAL NOTES FOR DETAILS.
 3. FOR ALL STEEL MEMBER CONNECTION NOT SHOWN SEE STRUCTURAL NOTES.
 4. TOP OF HIGH ROOF STEEL BEAM AND JOIST ELEVATION = 234.03 UNLESS OTHERWISE NOTED.

S-5	Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.	ASST. SECRETARY FOR MGT. DIR. OF DEPT. OF MATERIAL PROVISIONS	 THE M.K.M. PARTNERSHIP ARCHITECTURE · INTERIOR DESIGN 2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 223-6108
	ROOF PLAN	O.A.S. ARCHITECT	

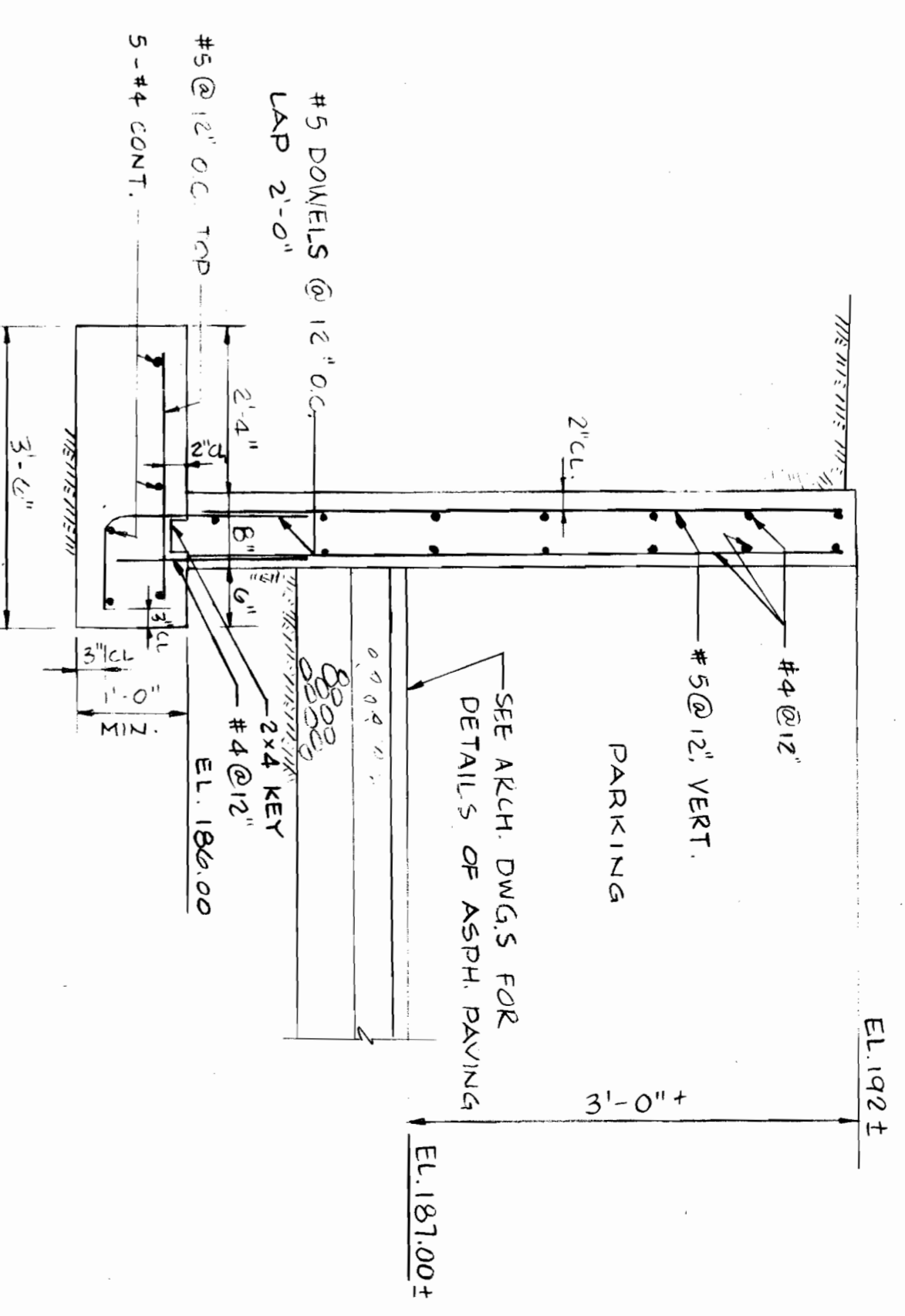
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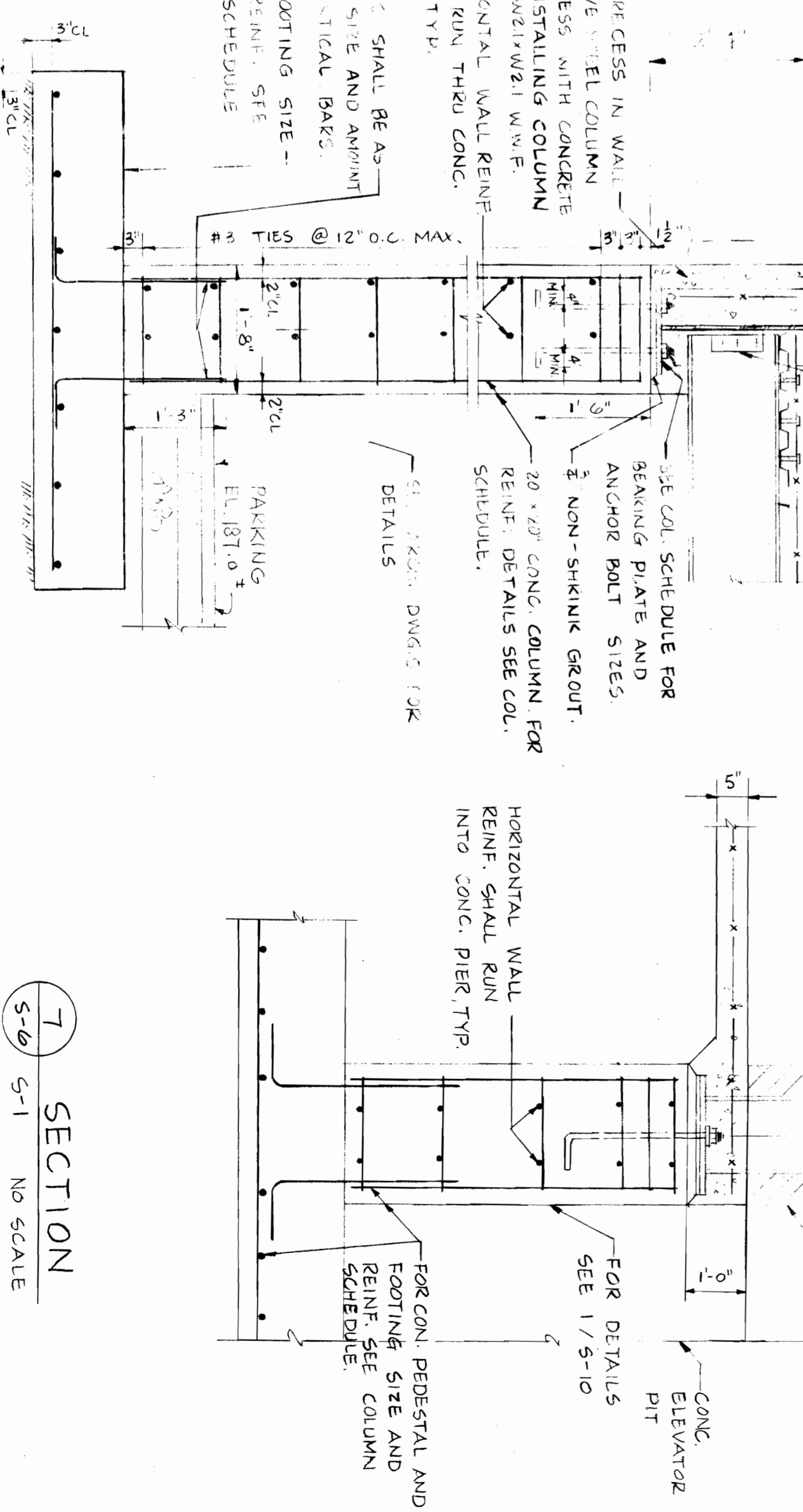
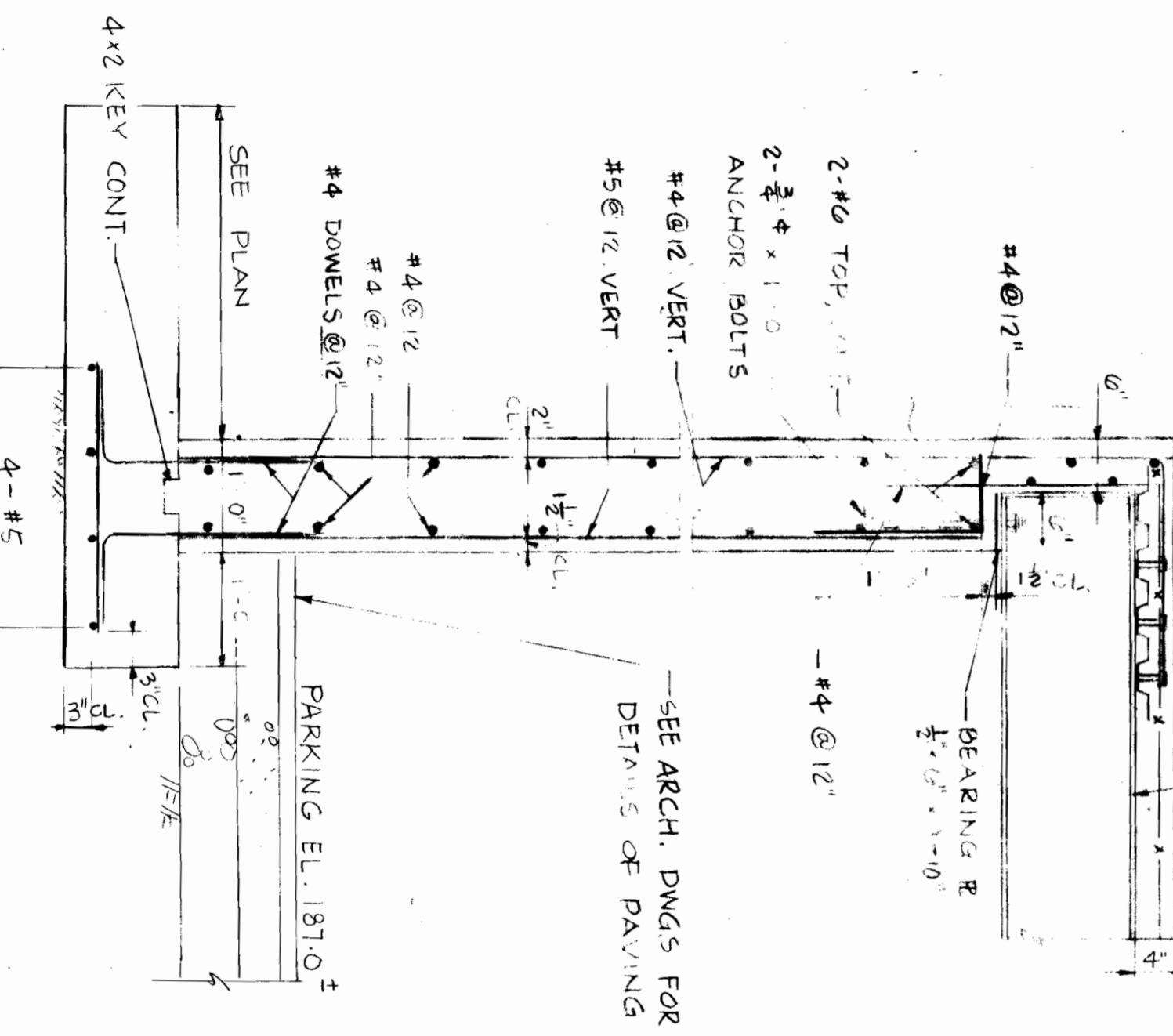
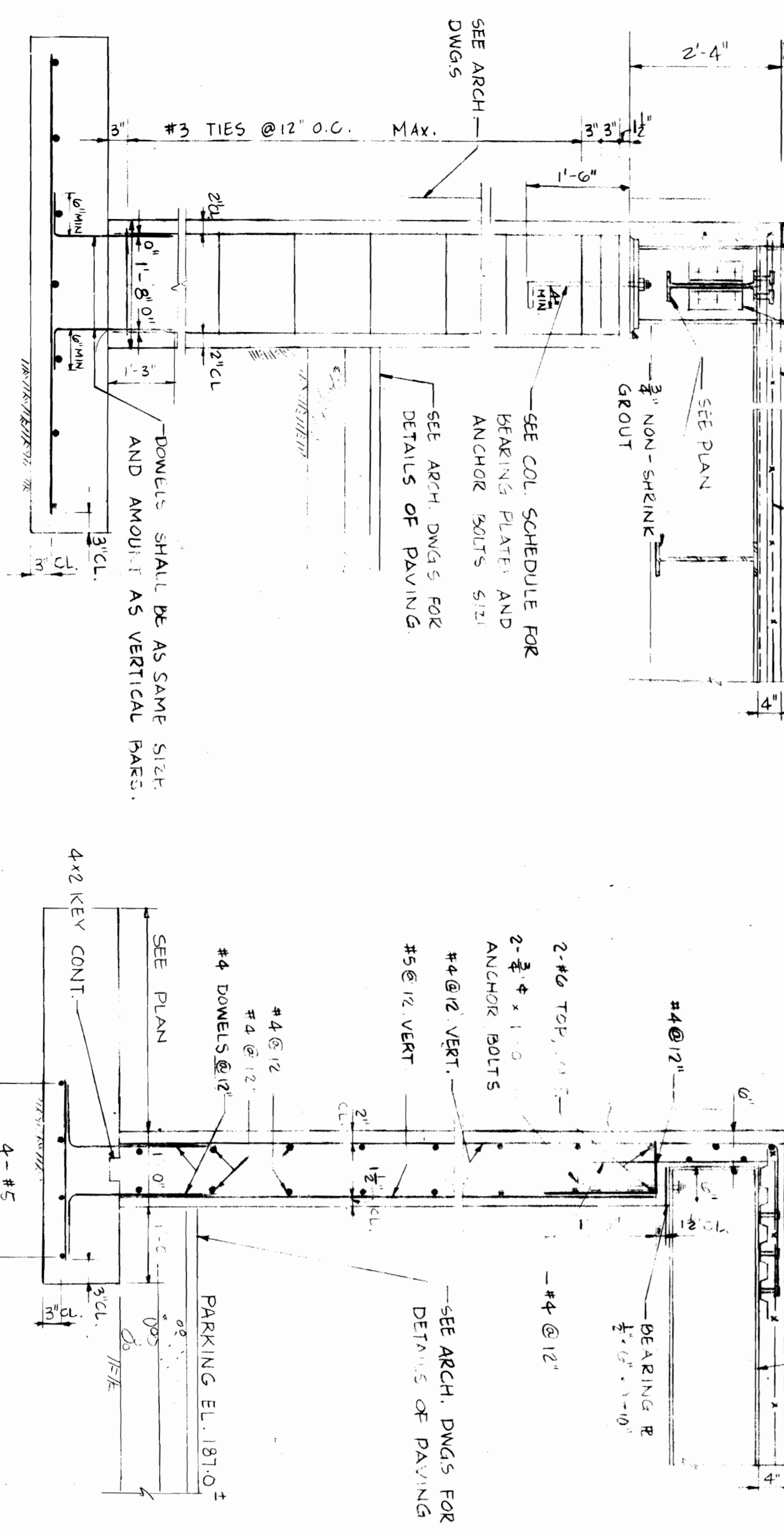
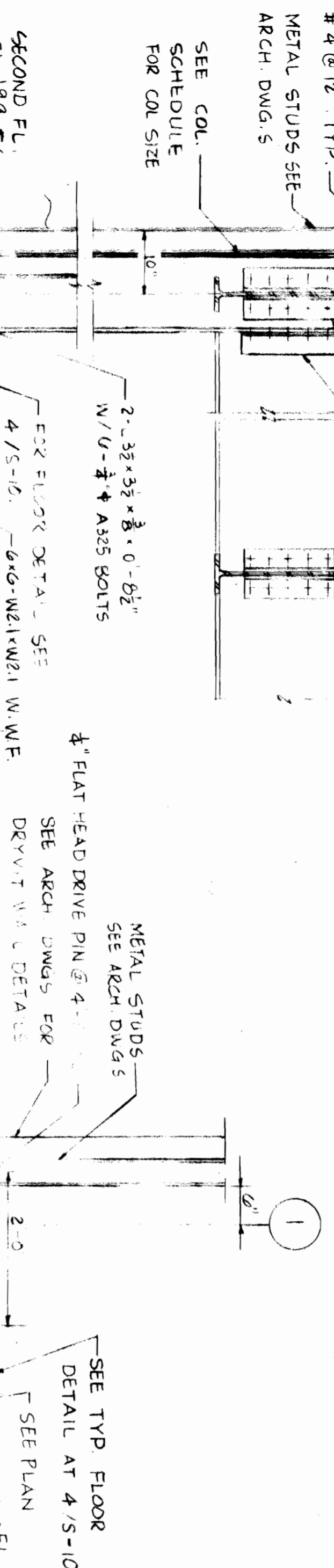
SECTIONAL PROPERTIES:
 DESIGN THICKNESS = 0.0229 IN.
 MOMENT OF INERTIA = 0.149 IN⁴
 SECTION MODULUS = 0.141 IN³
 WEIGHT GALV = 1.81 PSF
 MIN. YIELD STRENGTH = 33,000 PSI

5 TYP STEEL ROOF DECK
 NO SCALE

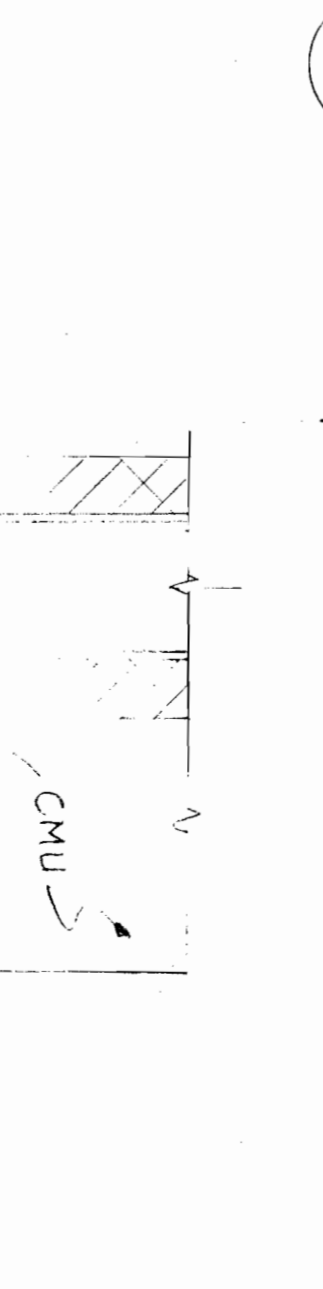
NOTE: ALL ROOF DECKING SHALL BE CONTINUOUS FOR AT LEAST THREE JOIST SUPPORTS.



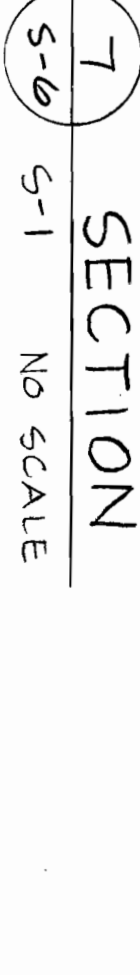
4 SECTION
 S-6 S-4 S-5
 3/4" = 1'-0"



6 SECTION
 S-6 S-1
 3/4" = 1'-0"



7 SECTION
 S-6 S-1 NO SCALE

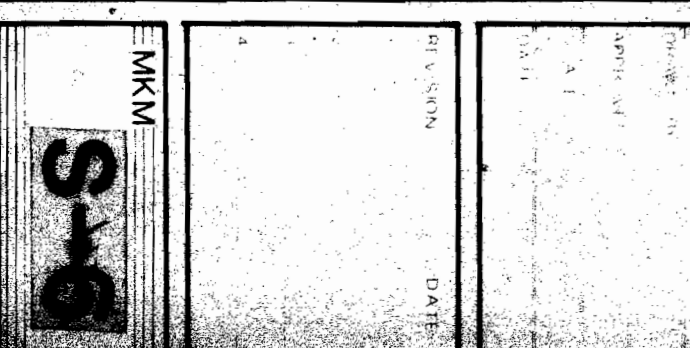


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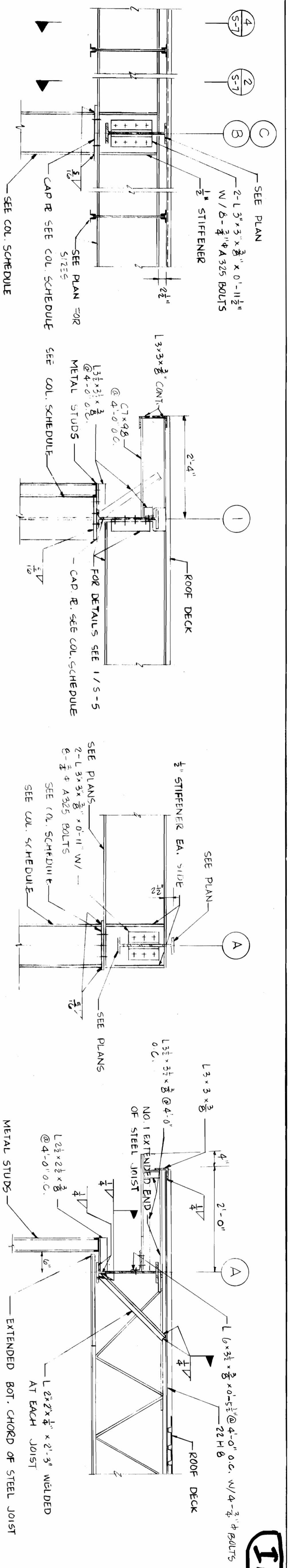
SECTION AND DETAILS

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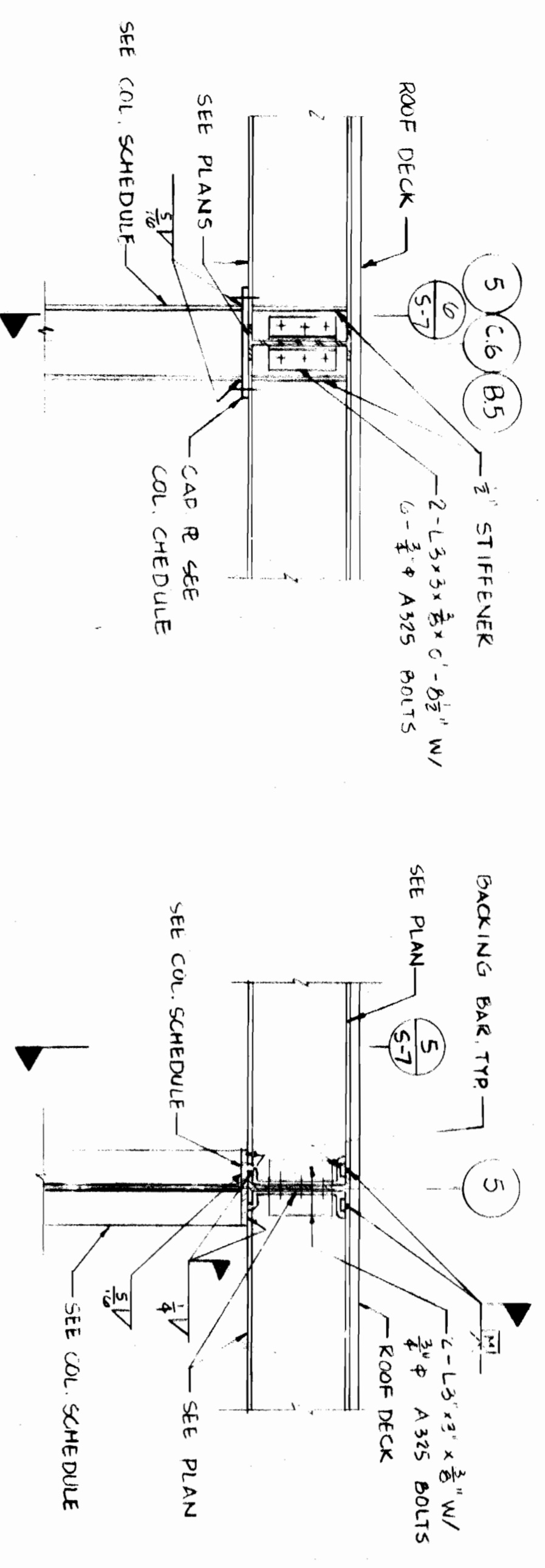


1 SECTION
S-7 S-5 3/4" = 1'-0"

2 SECTION
S-7 S-5 3/4" = 1'-0"

3 SECTION
S-7 S-5 3/4" = 1'-0"

4 SECTION
S-7 S-5 3/4" = 1'-0"



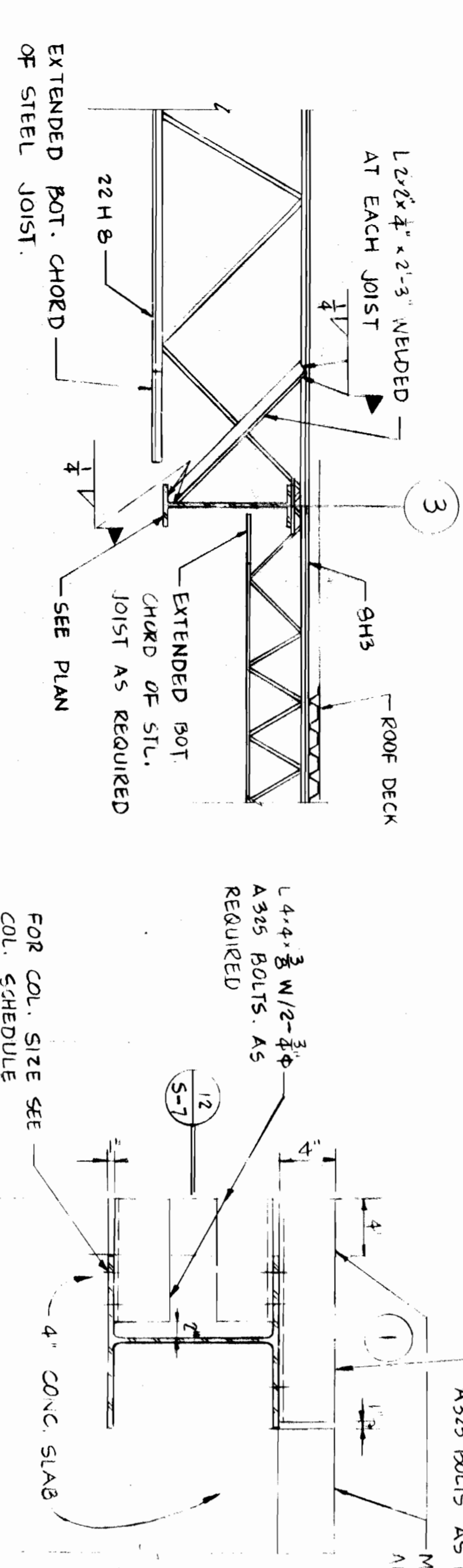
5 SECTION
S-7 S-4 3/4" = 1'-0"

6 SECTION
S-7 S-4 3/4" = 1'-0"

7 SECTION
S-7 S-4 3/4" = 1'-0"

8 SECTION
S-7 S-4 3/4" = 1'-0"

9 SECTION
S-7 S-2 3/4" = 1'-0"

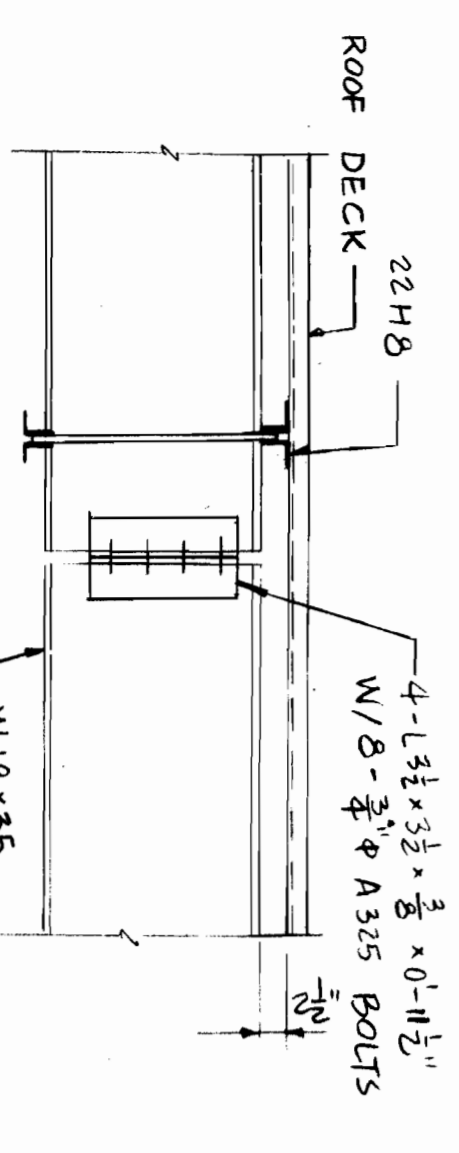


10 SECTION
S-7 S-5 3/4" = 1'-0"

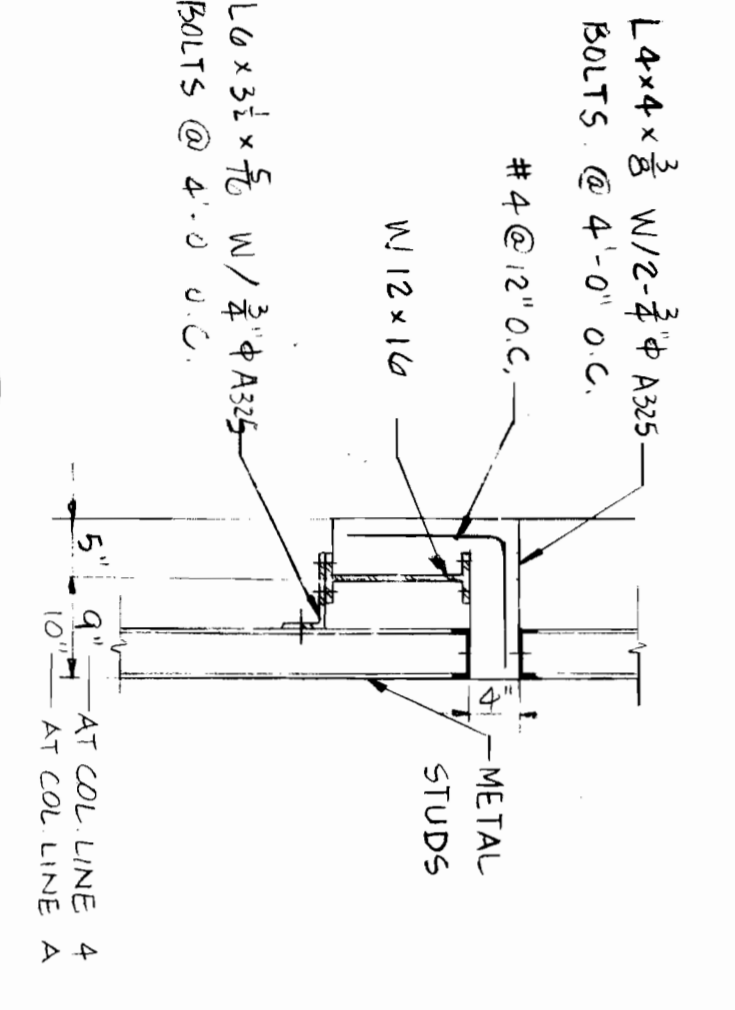
11 SLAB AT EXT. COL. PLAN VIEW
S-7 S-7 1 1/2" = 1'-0"

12 SECTION
S-7 S-7 1 1/2" = 1'-0"

13 SECTION
S-7 S-3 3/4" = 1'-0"



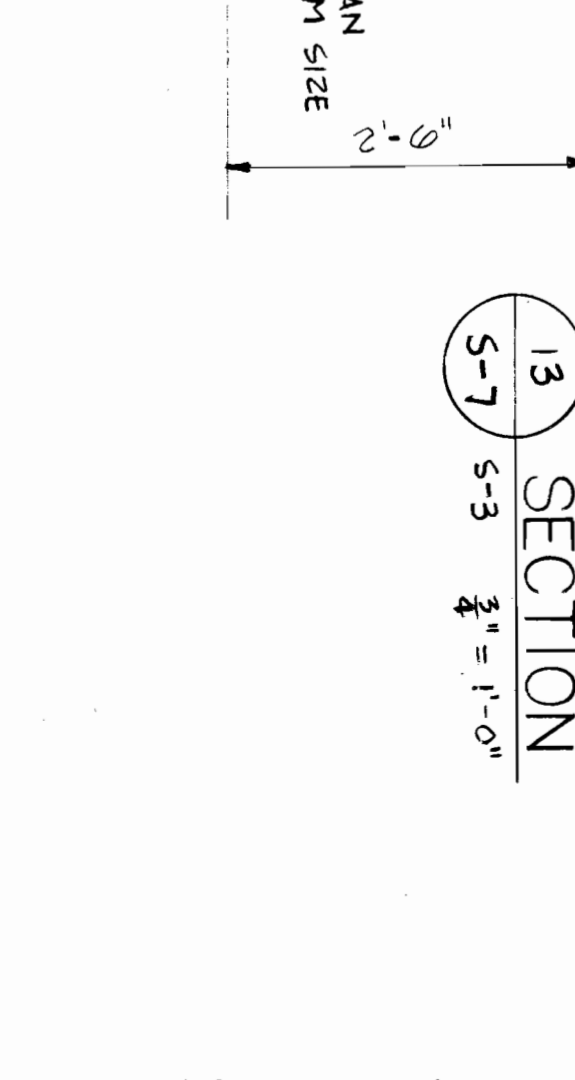
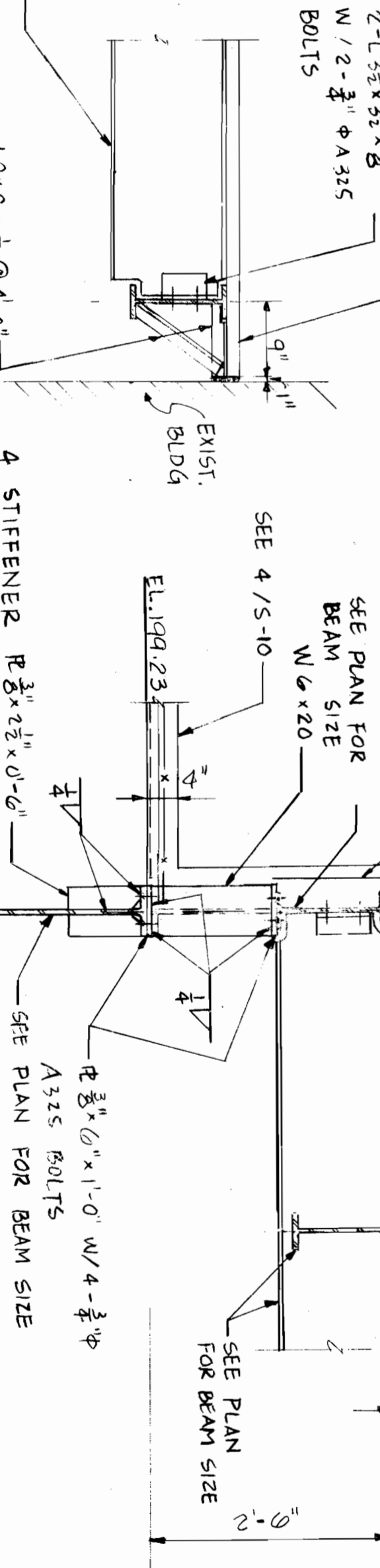
14 SECTION
S-7 S-5 3/4" = 1'-0"



15 SECTION
S-7 S-2 S-3 3/4" = 1'-0"

16 SECTION
S-7 S-4 3/4" = 1'-0"

17 SECTION
S-7 S-2 3/4" = 1'-0"



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SHEET TITLE: **SECTIONS**

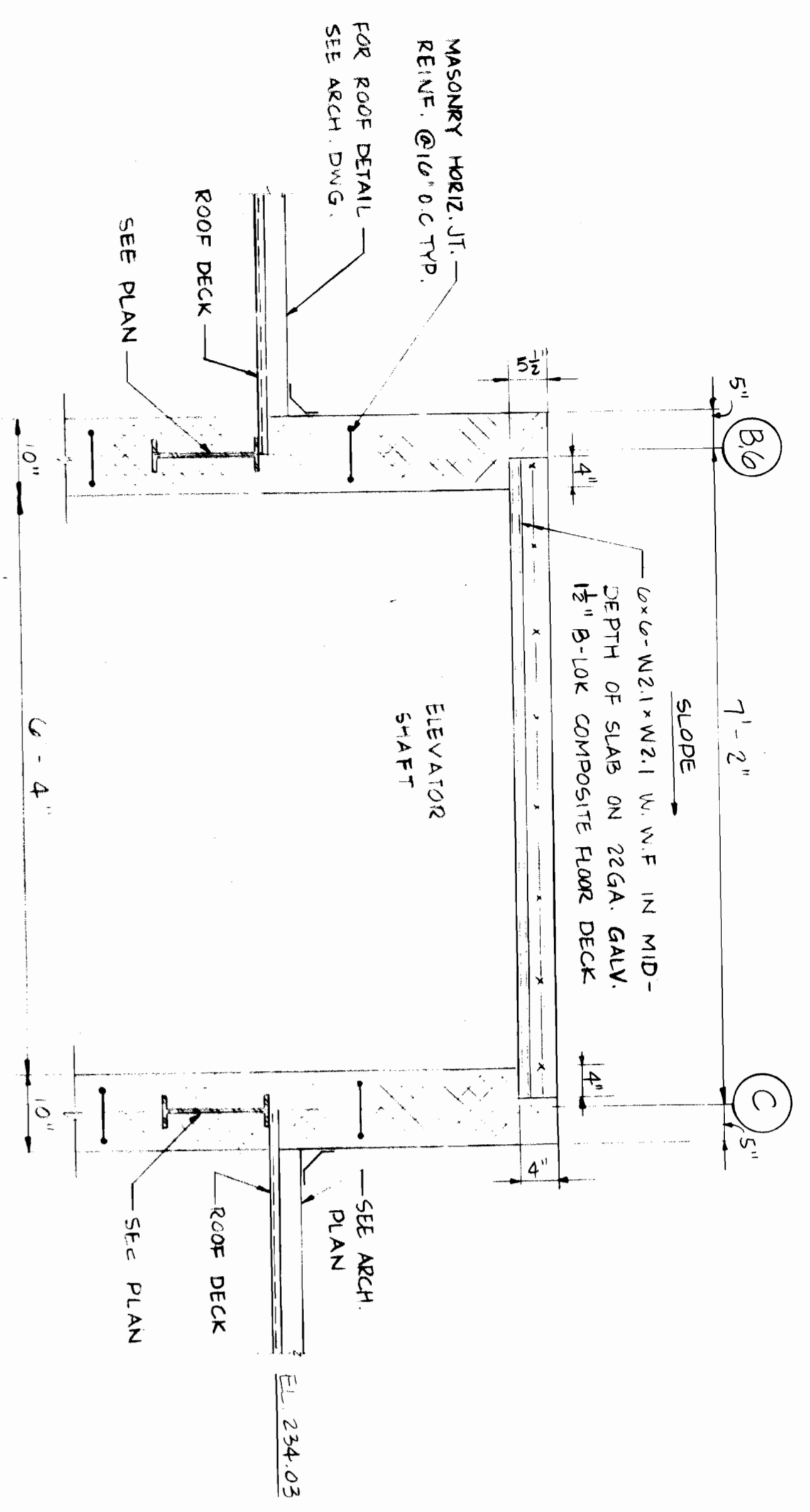
DATE	REVISION	DATE	REVISION

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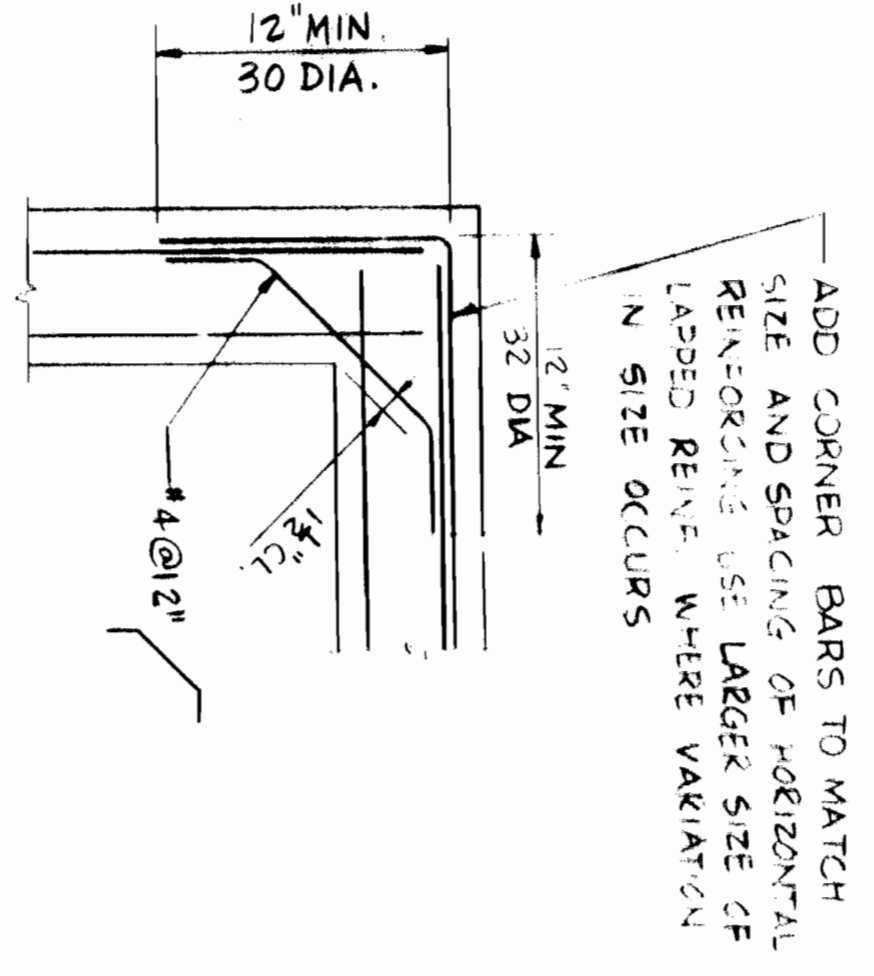
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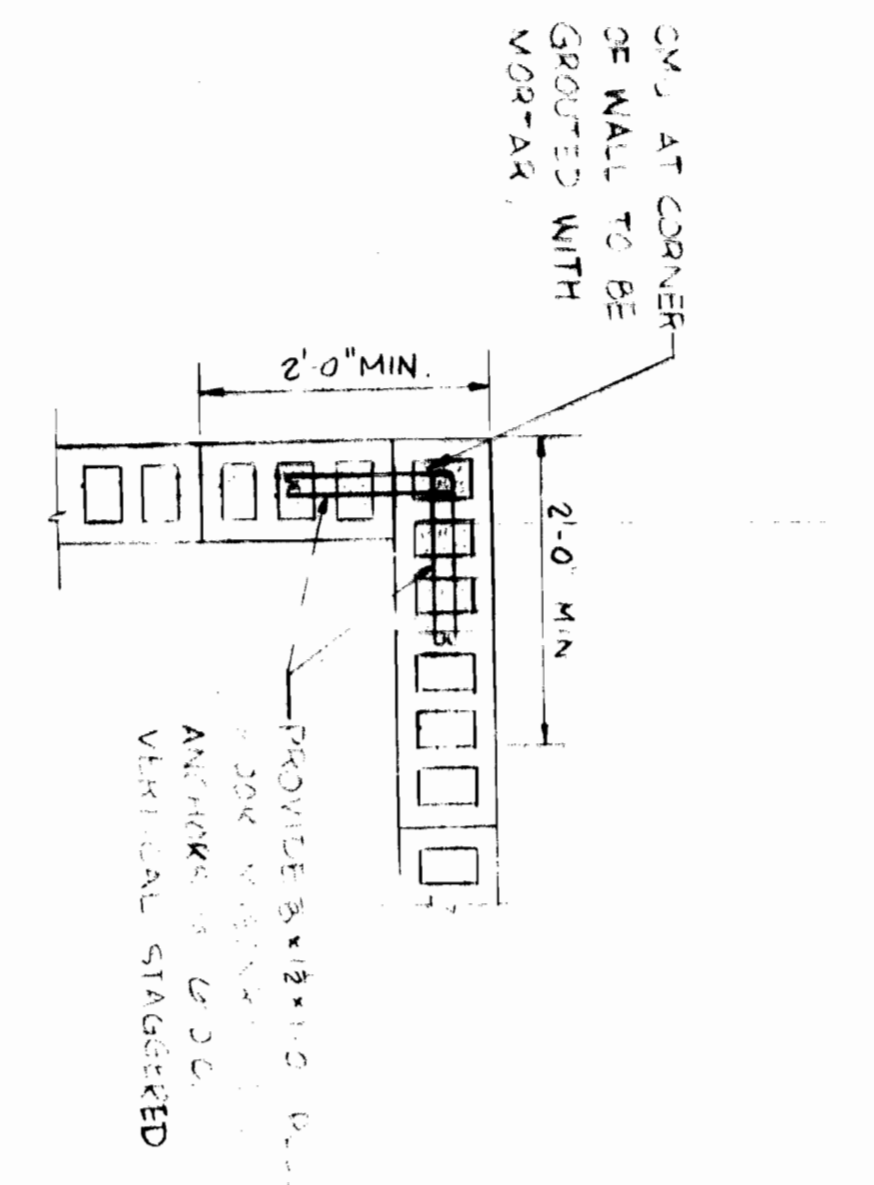
I.52A(30)



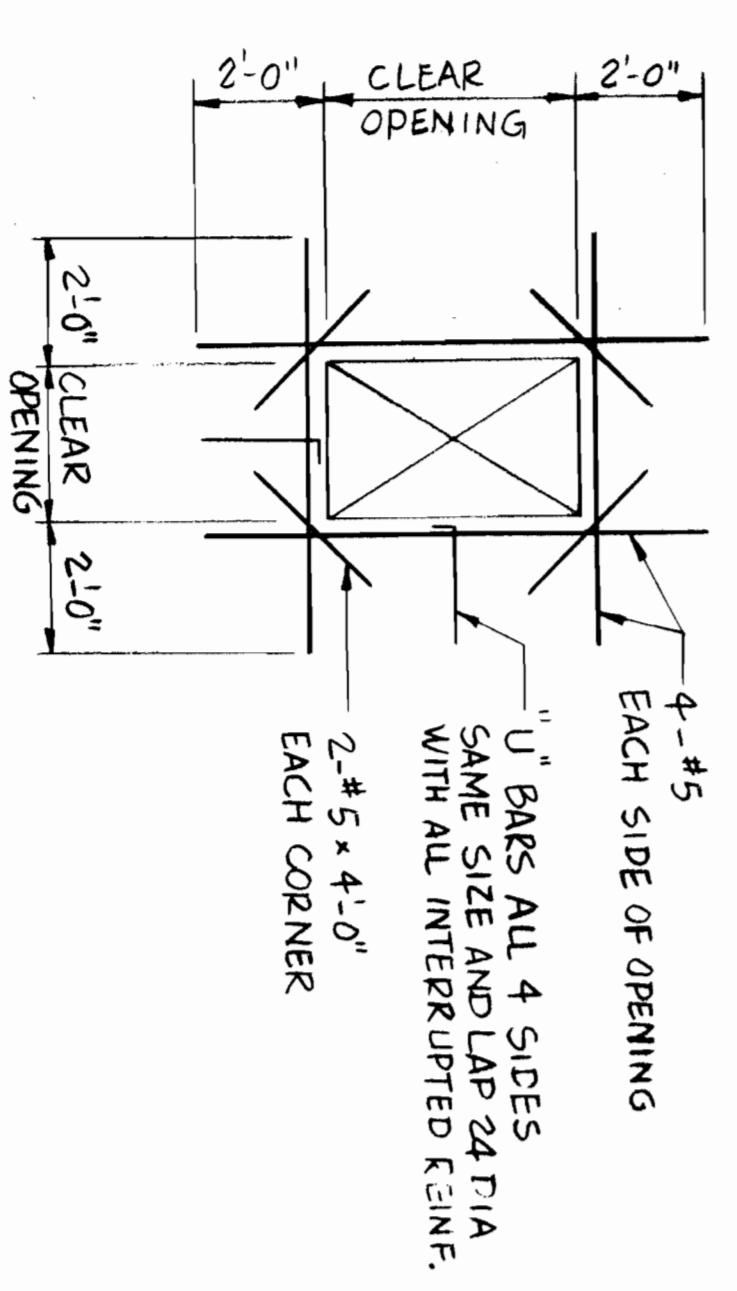
1 ELEVATOR ROOF SECTION
S-B S-5
3/4" = 1'-0"



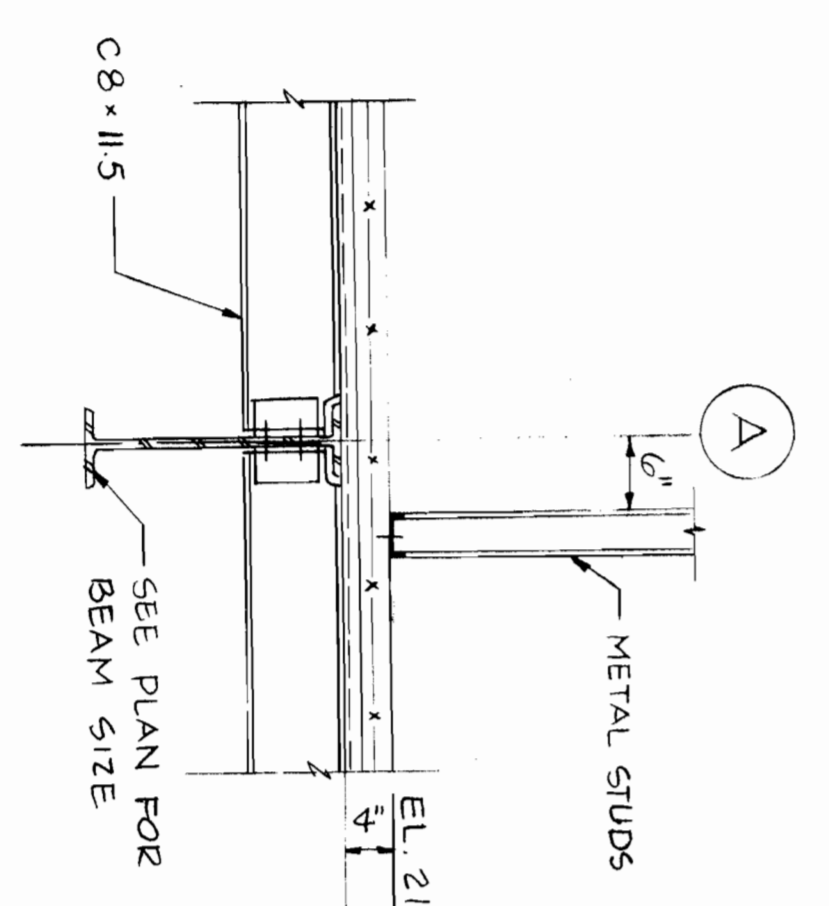
2 TYP. CONCRETE WALL CORNER DETAIL
S-B NO SCALE



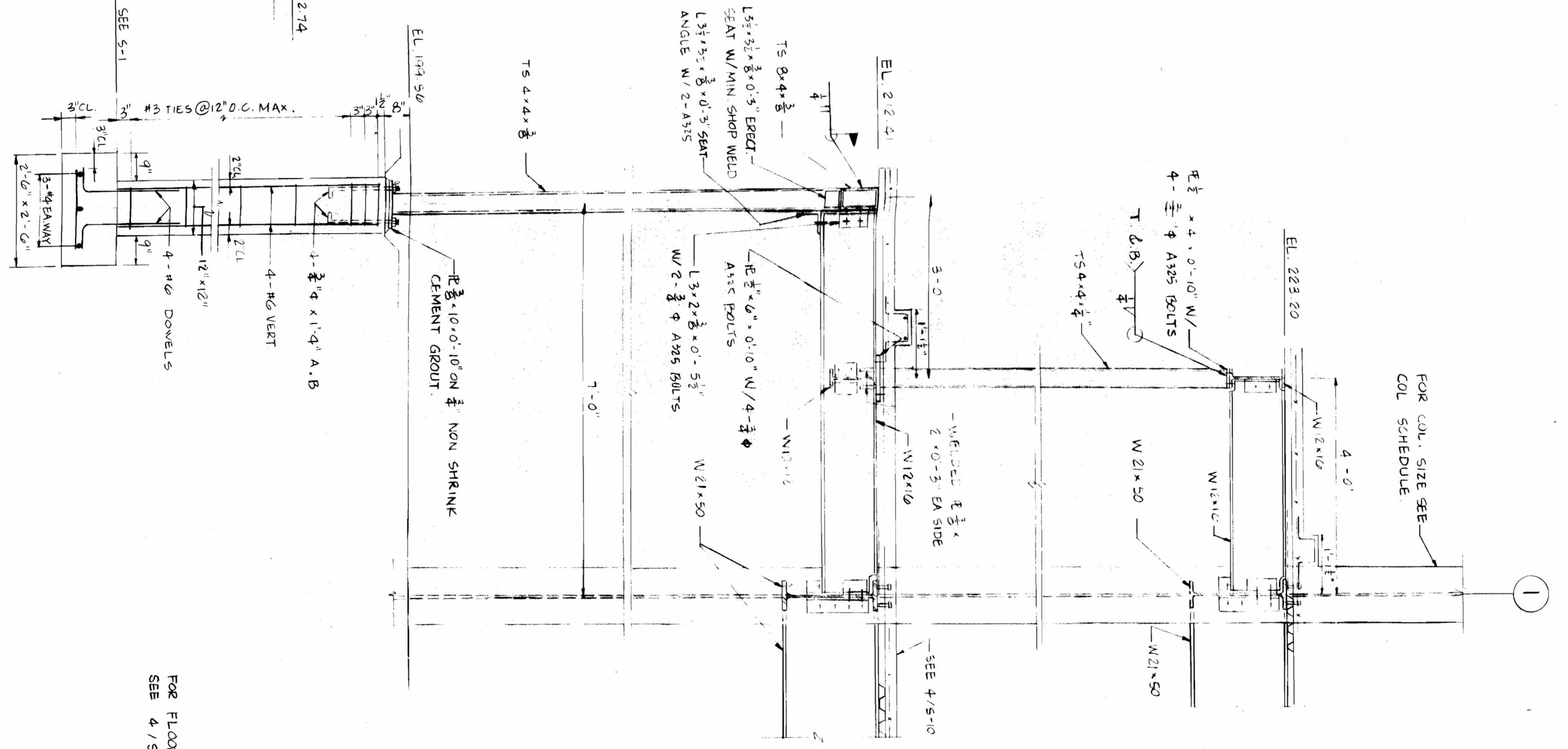
3 TYP. CMU WALL CORNER
S-B NO SCALE



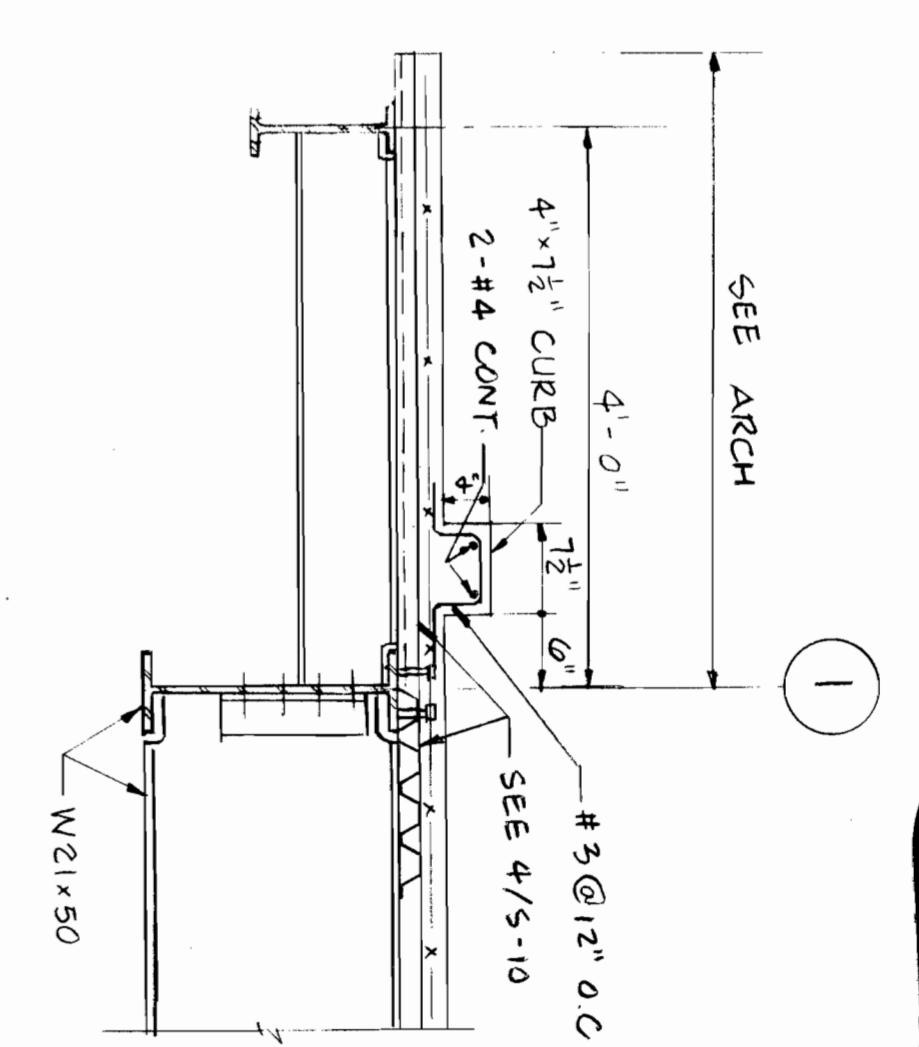
4 TYP. REINFORCING FOR OPENINGS
S-B NO SCALE



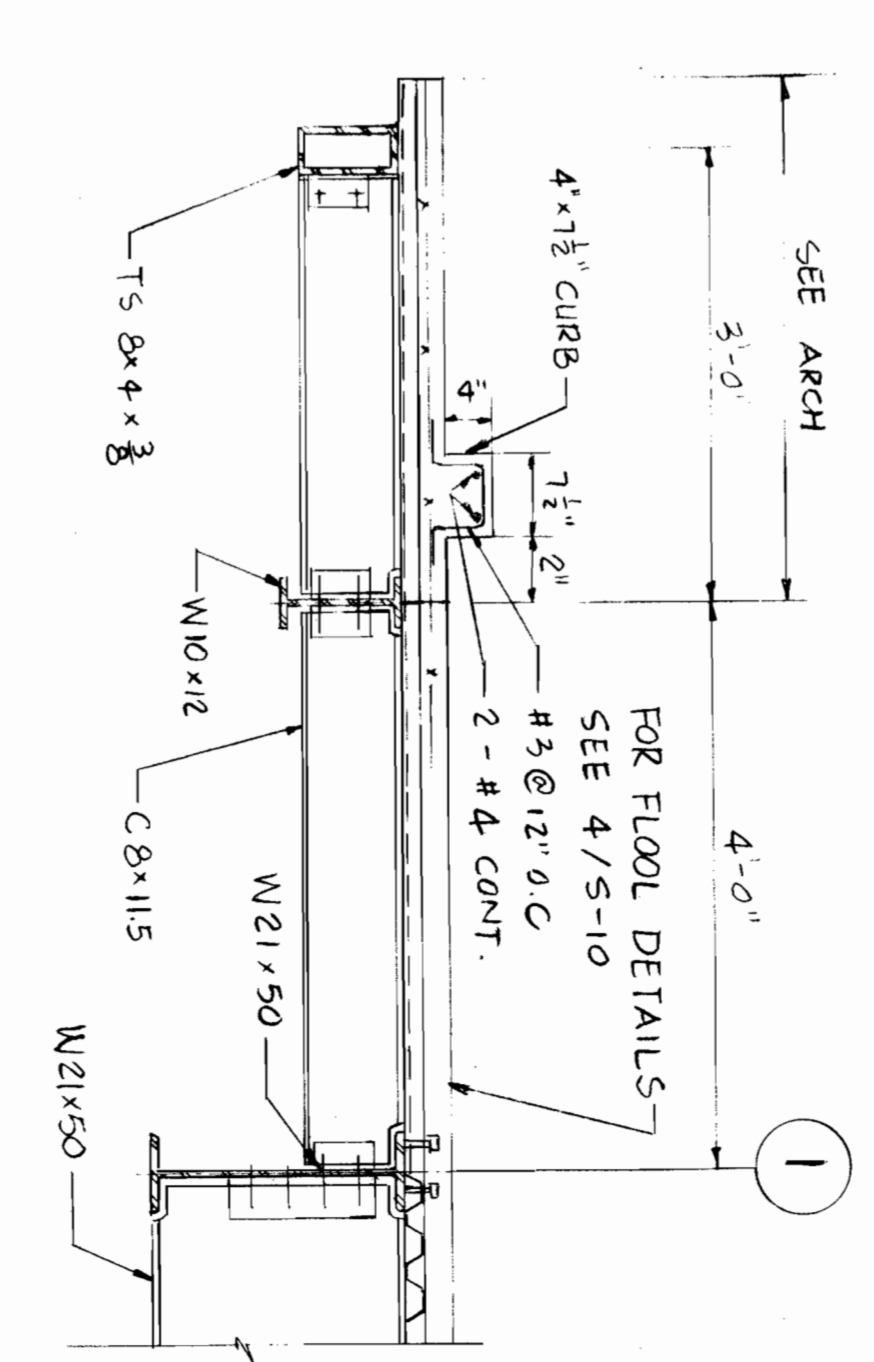
9 SECTION
S-B S-3
3/4" = 1'-0"



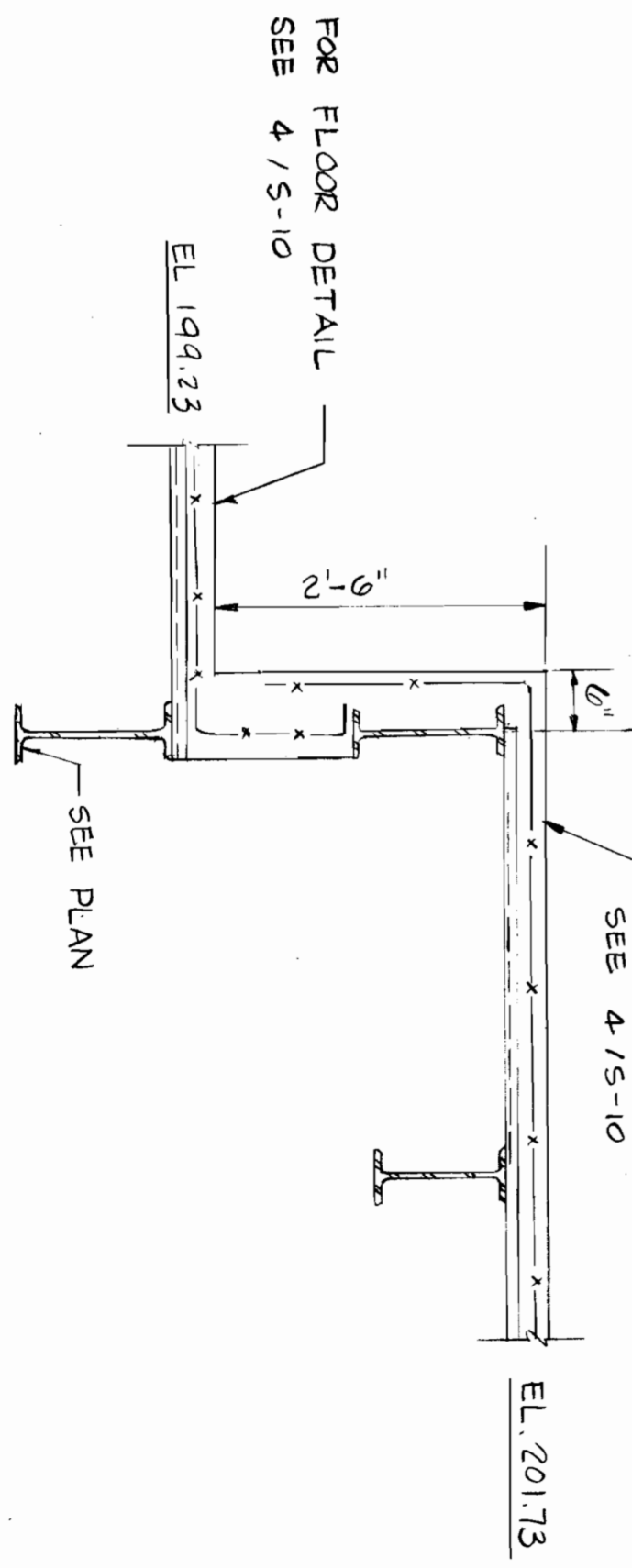
5 CROSS SECTION
S-B 3/4" = 1'-0"



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



7 SECTION
S-B S-3
3/4" = 1'-0"



8 SECTION
S-B S-2
3/4" = 1'-0"

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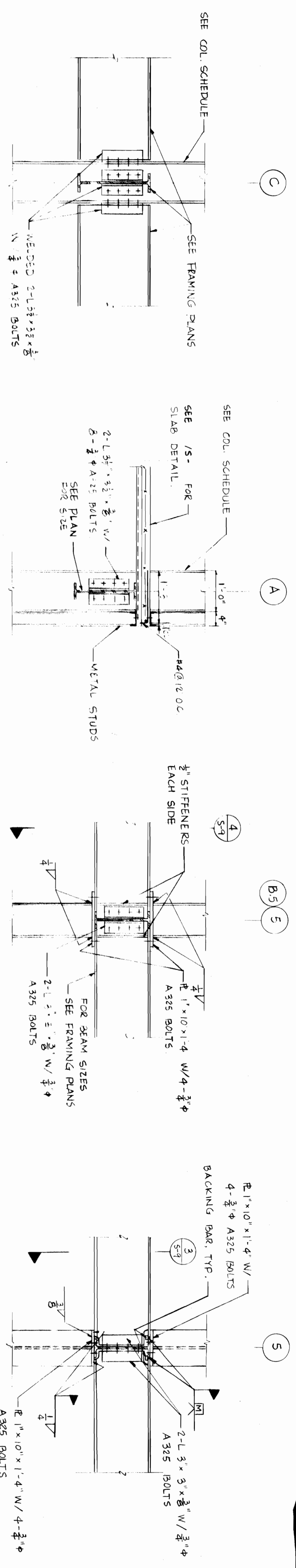
SECTIONS

ASST. SECRETARY FOR MGT.
DIR. OF DEPT. OF MATERIAL RESOURCES
O.A.S. ARCHITECT

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M.K.M.
S-8
DATE

4-26-86

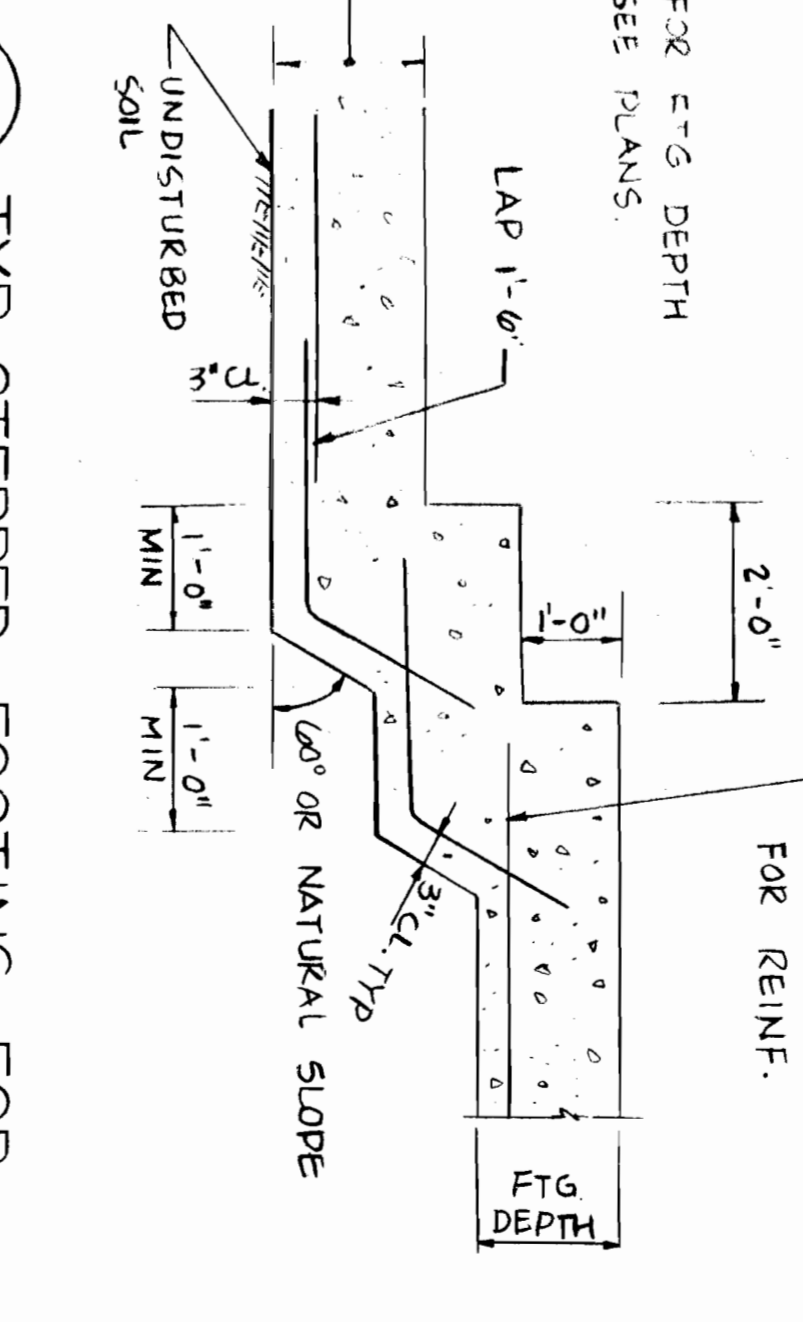
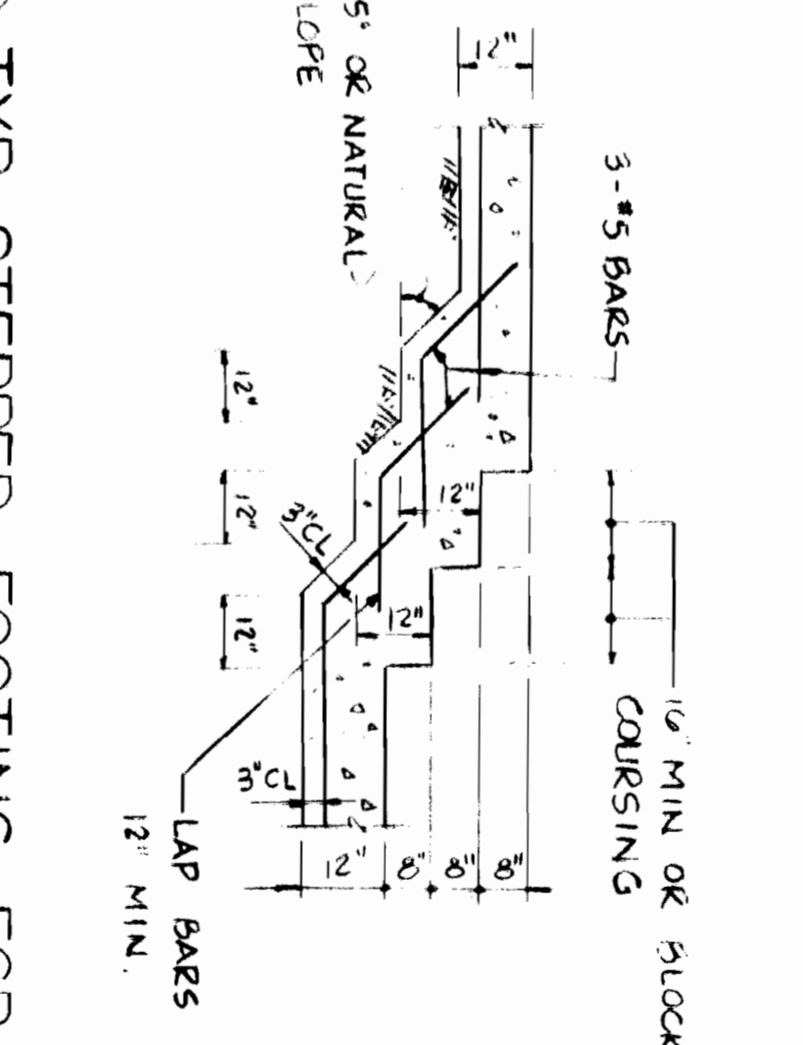
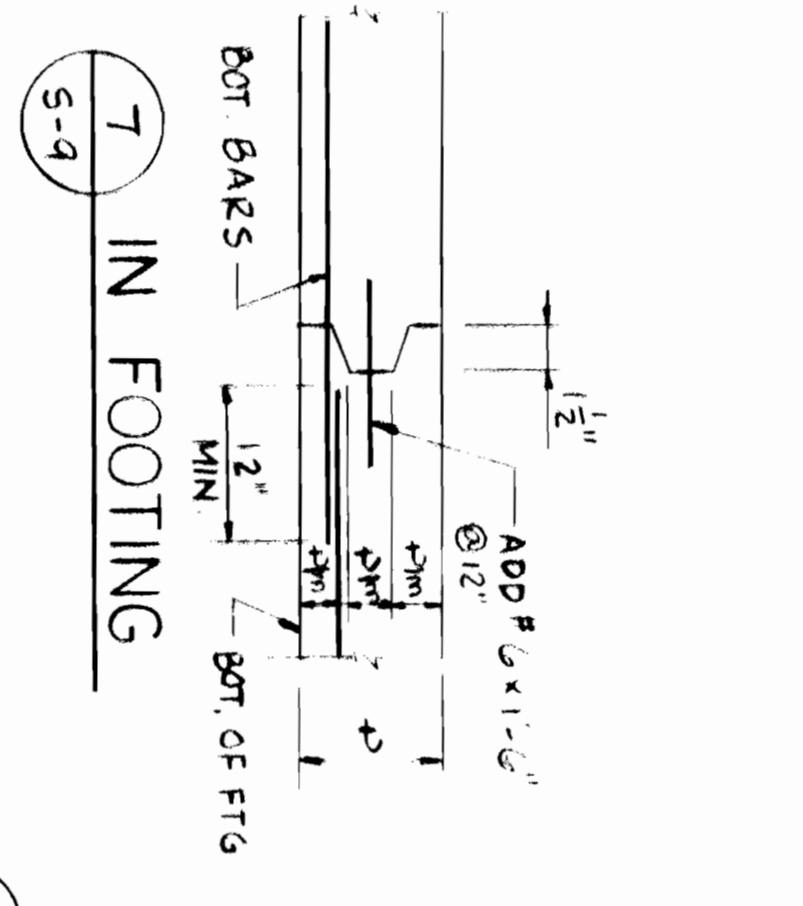
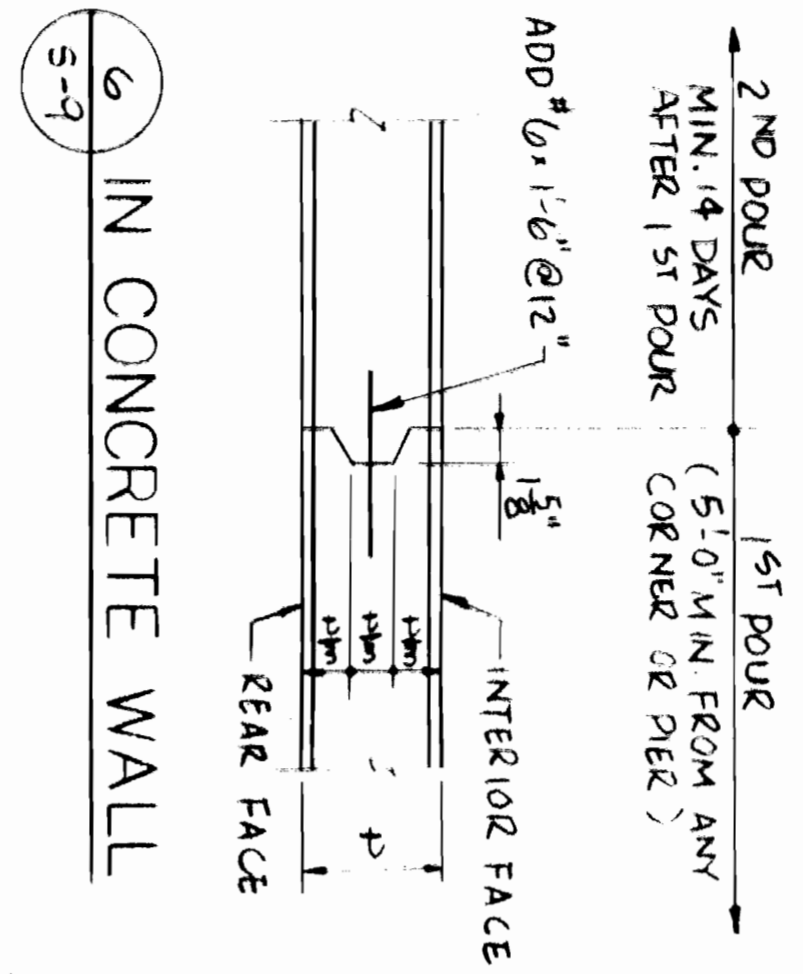
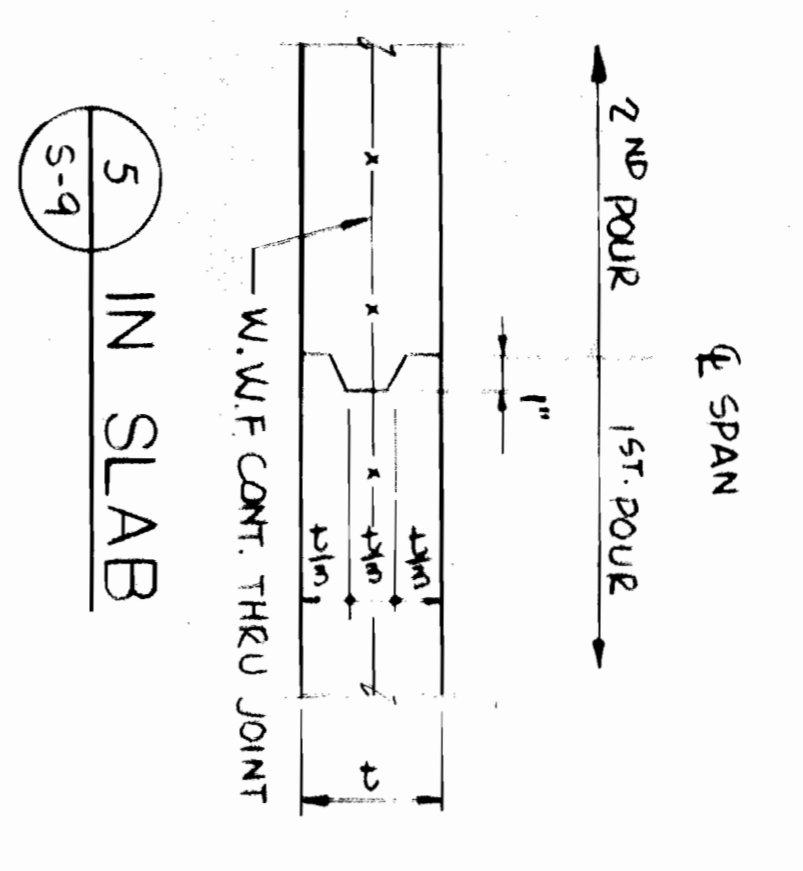


1 TYP. BEAM AND COL CONNECTION
S-9 3/4" = 1'-0"

2 SECTION
S-9 5'-2" 5'-4" 3/4" = 1'-0"

3 SECTION
S-9 5'-2" 5'-3" 3/4" = 1'-0"

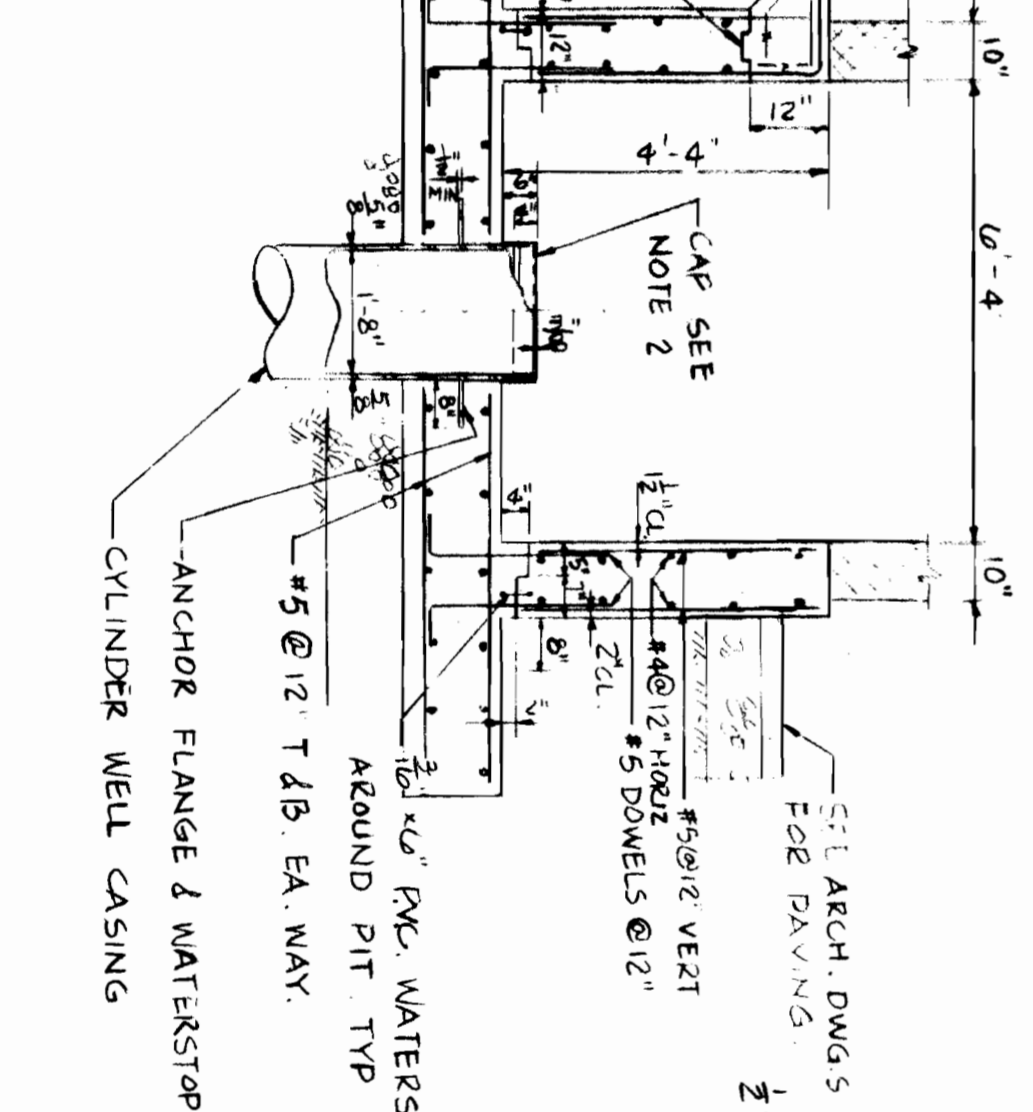
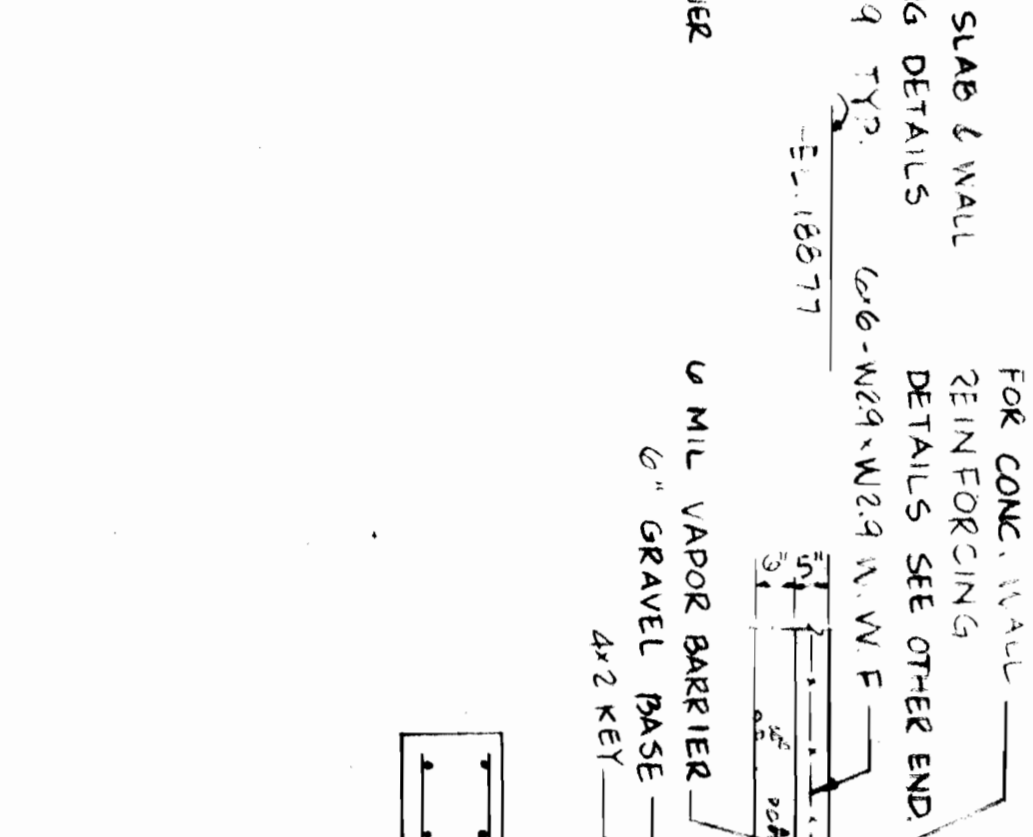
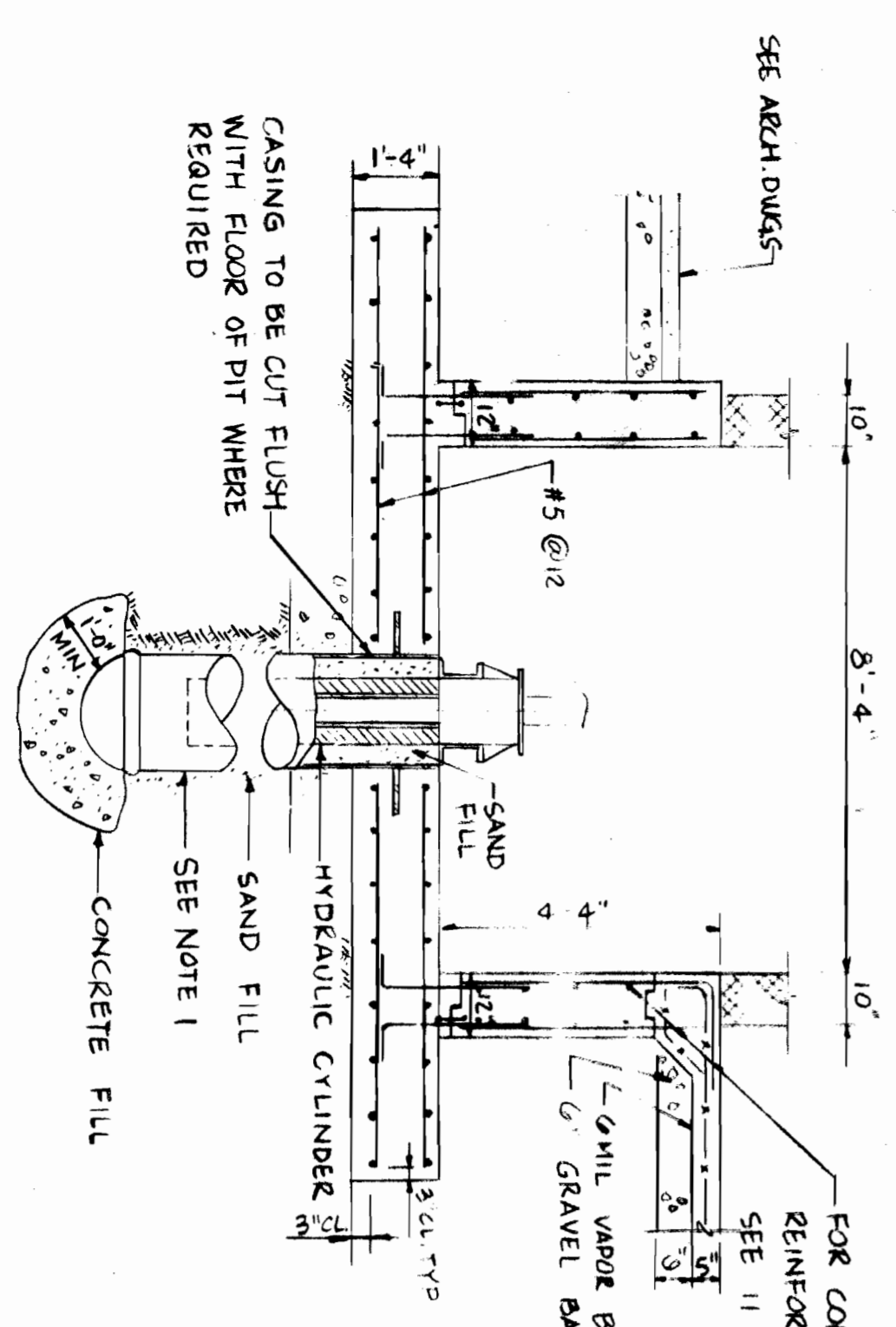
4 SECTION
S-9 5'-2" 5'-3" 3/4" = 1'-0"



TYPICAL CONSTRUCTION JOINT DETAILS
NO SCALE

8 TYP. STEPPED FOOTING FOR CMU WALL
NO SCALE

9 TYP. STEPPED FOOTING FOR CONC. WALL
NO SCALE



- NOTES:
1. FOR ELEVATOR PIT, PROVIDE DOUBLE CASING WELLHOLE WITH INTEGRAL WATERSTOP AROUND CYLINDER FOR PLUNGER AS RECOMMENDED BY THE ELEVATOR MANUFACTURER.
 2. FOR ELEVATOR PIT, THE CAP OF CYLINDER WELL CASING IS FOR PROTECTION OF THE WELL UNTIL TIME OF REMOVAL WHEN ELEVATOR IS INSTALLED.

10 ELEVATOR PIT SECTION
S-9 3/4" = 1'-0"

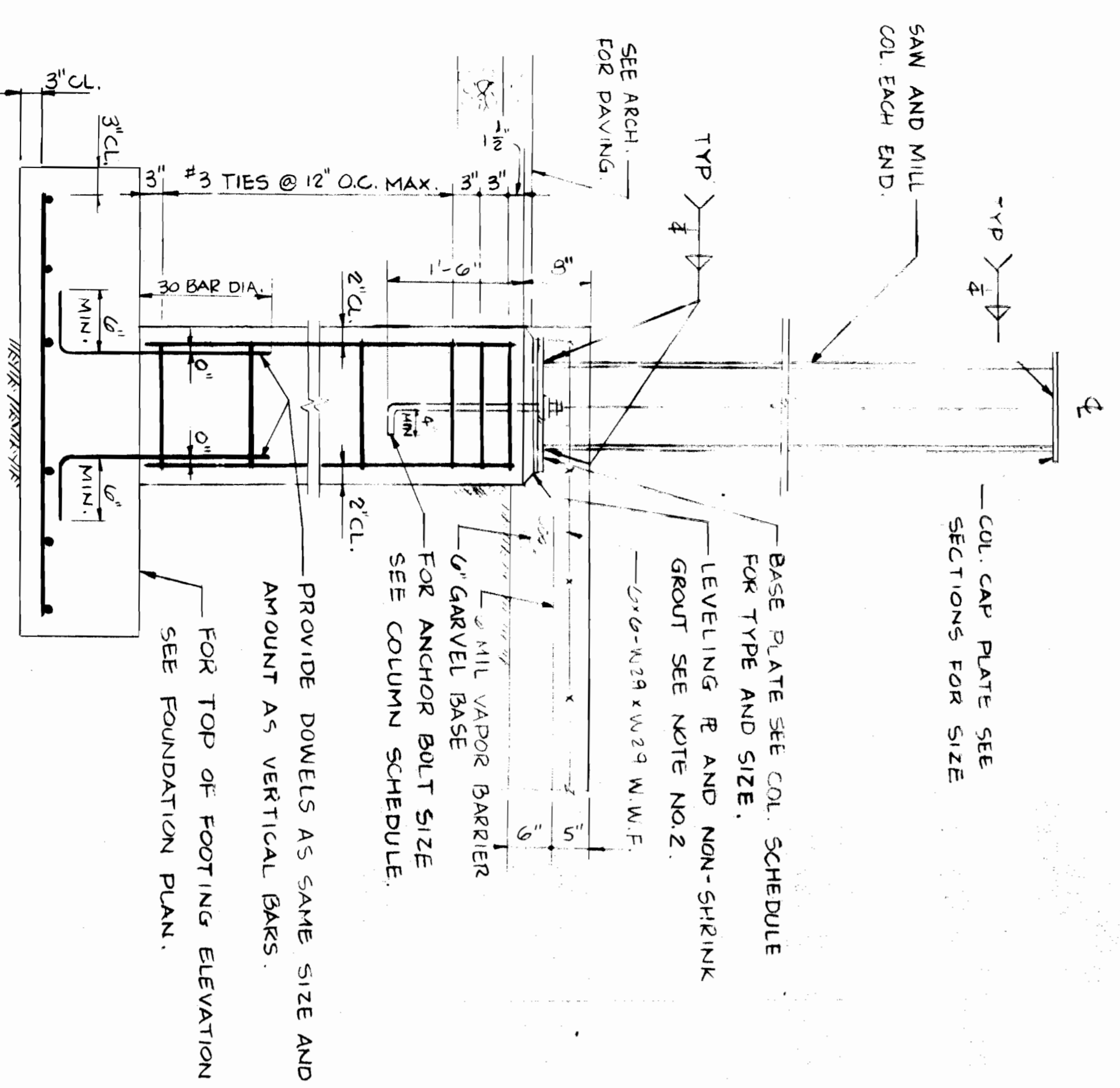
11 ELEVATOR PIT SECTION
S-9 3/4" = 1'-0"

12 CMU WALL FOOTING
S-9 3/4" = 1'-0"

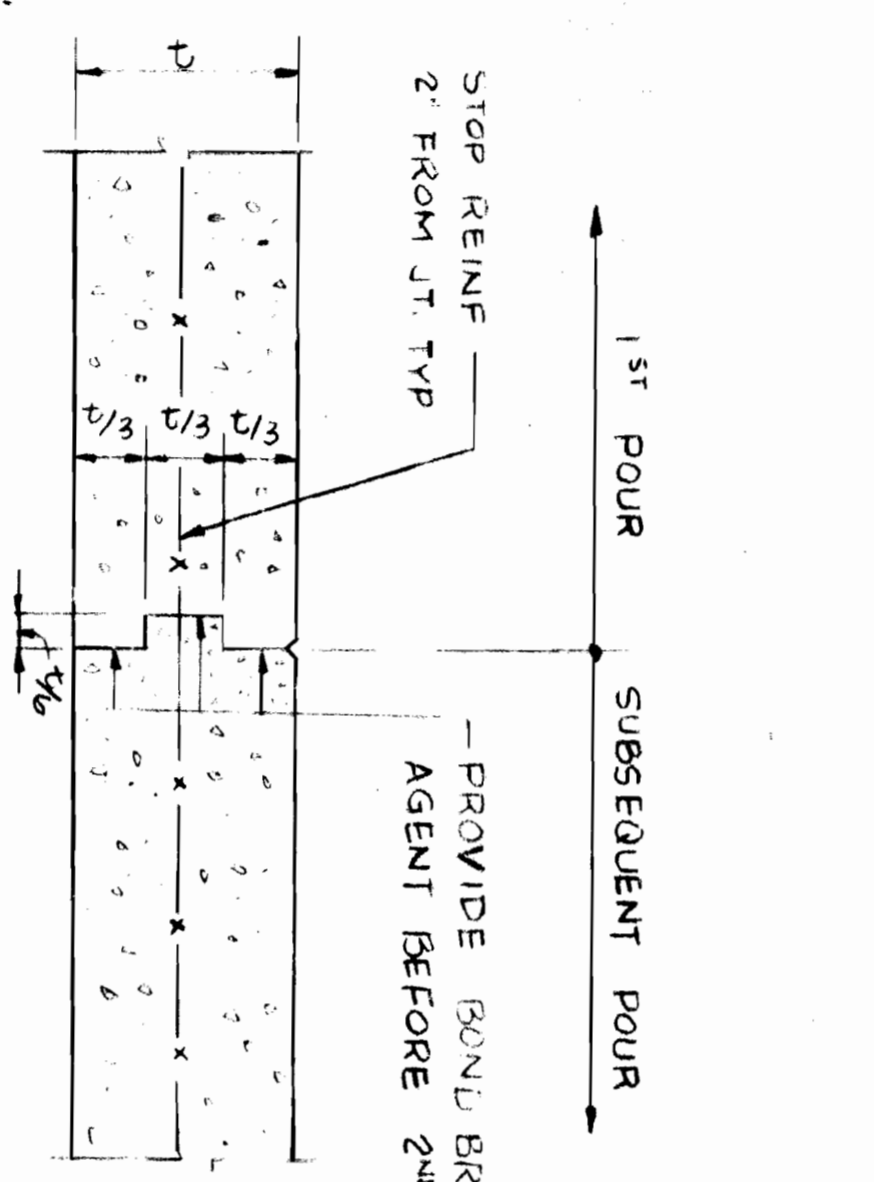
<p>Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.</p>	<p>ASSY. SECRETARY FOR M.D. DIR. OF DEPT. OF MATERIAL RESOURCES D.A.S. ARCHITECT</p>		<p>THE M.K.M. PARTNERSHIP ARCHITECTURE • INTERIOR DESIGN</p>
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COLUMN SCHEDULE

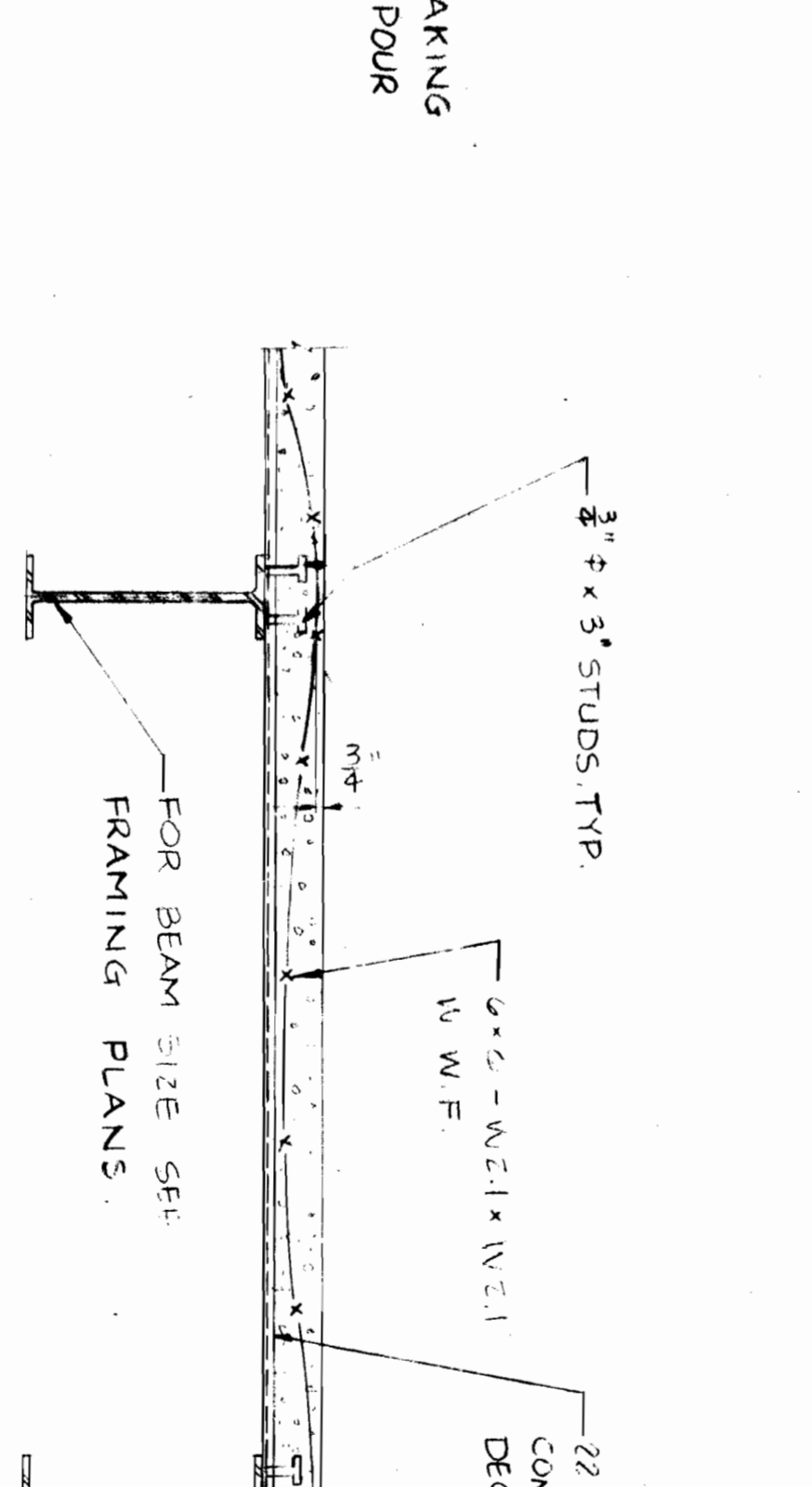
COLUMN NUMBERS	D-1	A-1 B-1 C-1	A-2 A3-2 A3-3 D-2	A-2 B-2 C-2	A-3	C-3	B6-3	C6-3	D-34	B6-39 C-39	A-4	A2-4	C6-44 B2-5	A2-5 B5-5	A-1 A-3	A1-4
CAP PLATES	3/4" x 1'-2" x 1'-2"	1" x 1'-2" x 1'-2"	---	---	1" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	3/4" x 1'-2" x 1'-2"	---
HIGH ROOF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4TH FLOOR AND LOW ROOF	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3RD FLOOR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2ND FLOOR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1ST FLOOR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STEEL BASE PLATE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ANCHOR BOLT	2-1"φ	2-1 1/4"φ	2-1"φ	2-1"φ	2-1 1/2"φ	2-1 1/2"φ	2-1 1/2"φ	2-1 1/4"φ	2-1"φ	2-1"φ	2-1"φ	2-1"φ	2-1"φ	2-1"φ	2-1"φ	2-1"φ
COLUMN LOAD	105K	165K	55K	65K	288K	155K	255K	155K	35K	75K	35K	55K	75K	55K	128K	65K
CONCRETE PIER	20' x 20"	20' x 20"	20' x 20"	20' x 20"	20' x 20"	20' x 20"	20' x 20"	20' x 20"	16' x 16"	16' x 16"	16' x 16"	16' x 16"	18" x 18"	18" x 18"	20' x 20"	20' x 20"
VERT. REINFORCING	4-#9	4-#9	4-#9	4-#9	4-#9	4-#9	4-#9	4-#9	4-#8	4-#8	4-#8	4-#9	4-#9	4-#9	4-#9	4-#9
COL. TIES	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"	#3 @ 12"
SIZE	7'-0" x 7'-0"	8'-6" x 8'-6"	4'-0" x 4'-0"	5'-0" x 5'-0"	11'-0" x 11'-0"	13'-2" x 15'-2"	13'-2" x 15'-2"	8'-0" x 8'-0"	4'-0" x 4'-0"	5'-2" x 5'-2"	5'-0" x 5'-0"	4'-0" x 4'-0"	5'-6" x 5'-6"	4'-0" x 4'-0"	7'-0" x 7'-0"	5'-0" x 5'-0"
DEPTH (IN)	4	6"	12"	2"	20"	16"	16"	16"	12"	16"	2	12"	12"	12"	16"	12"
REINFE. (EACH WAY)	7-#7	10-#7	5-#4	7-#4	13-#8	#5 @ 12" TOP & BOT	#5 @ 12" TOP & BOT	9-#7	5-#4	#5 @ 12" TOP & BOT	4-#4	5-#4	7-#5	5-#4	8-#7	7-#4



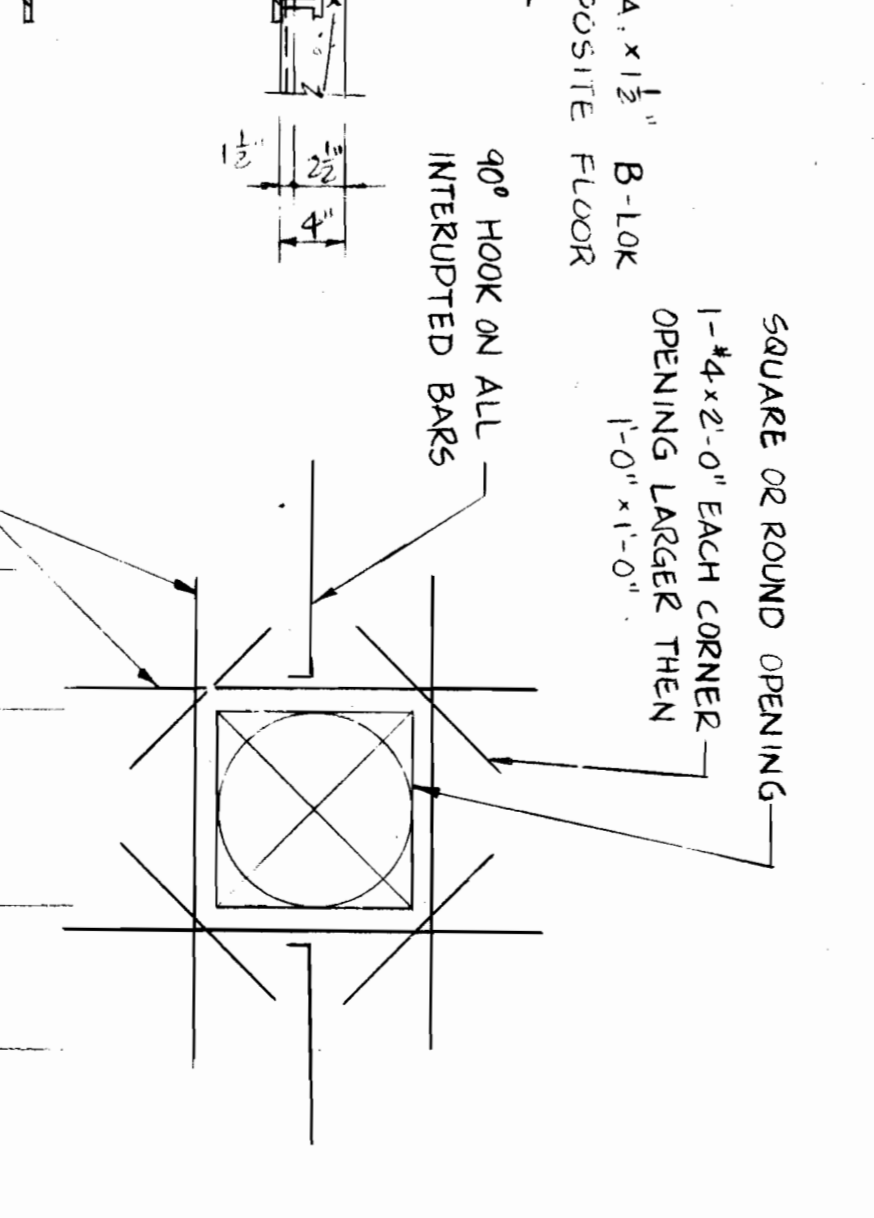
1 STEEL COLUMN FOOTING DETAIL
NO SCALE



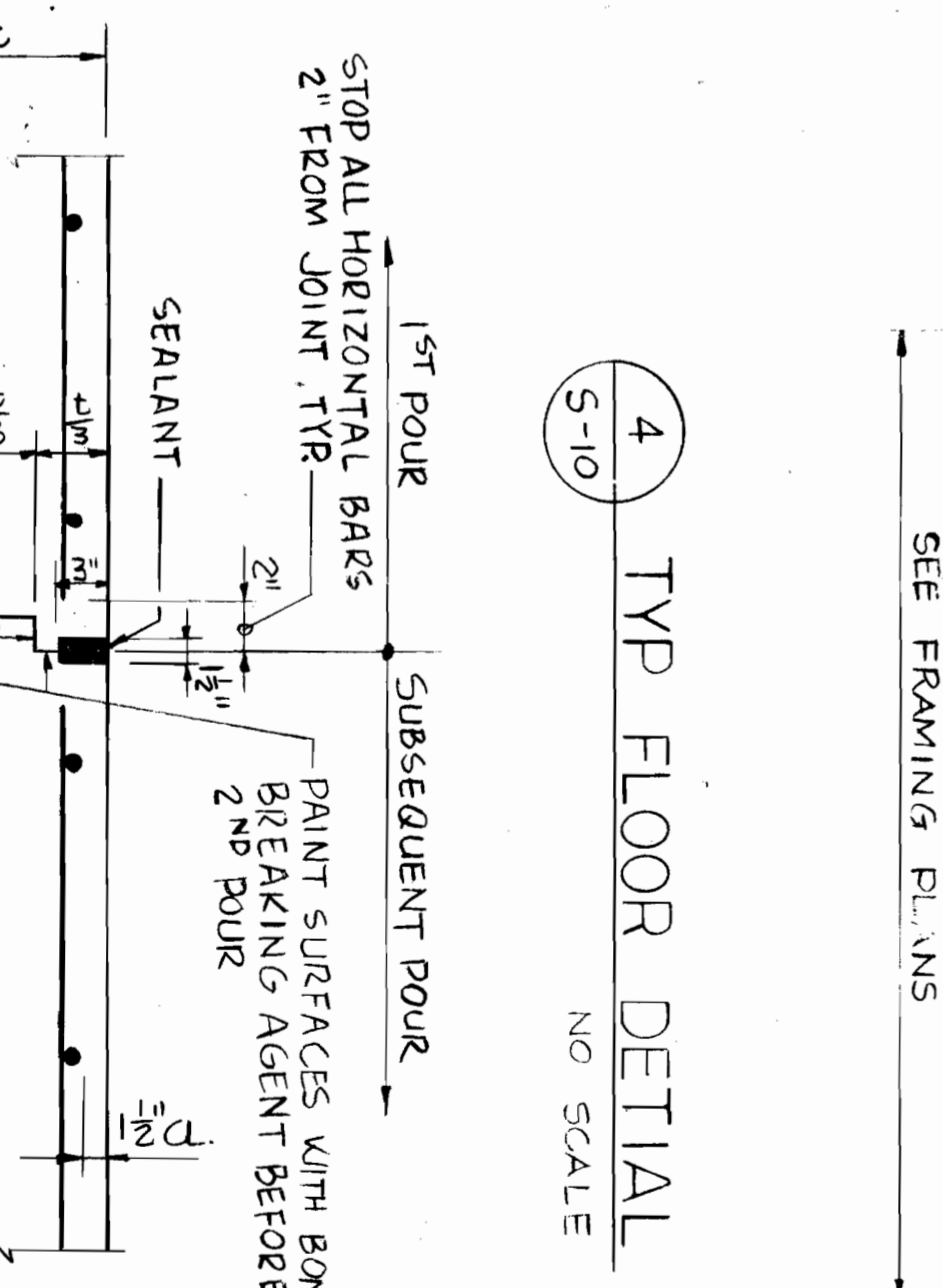
2 TYP BASE PLATE DETAIL
NO SCALE



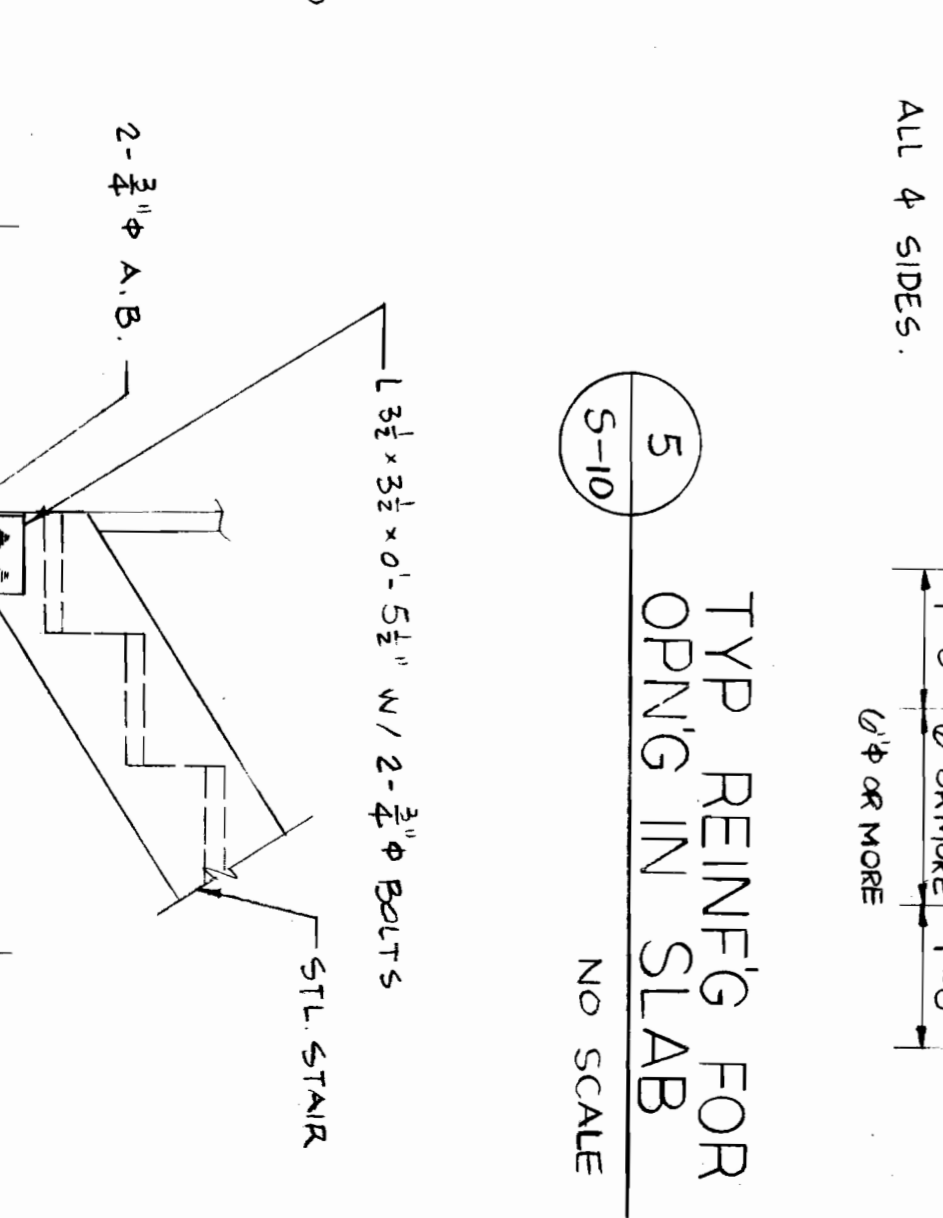
3 SLAB CONTRACTION JOINT
NO SCALE



4 TYP FLOOR DETAIL
NO SCALE



5 TYP CONCRETE WALL CONTRACTION JOINT DETAIL
NO SCALE

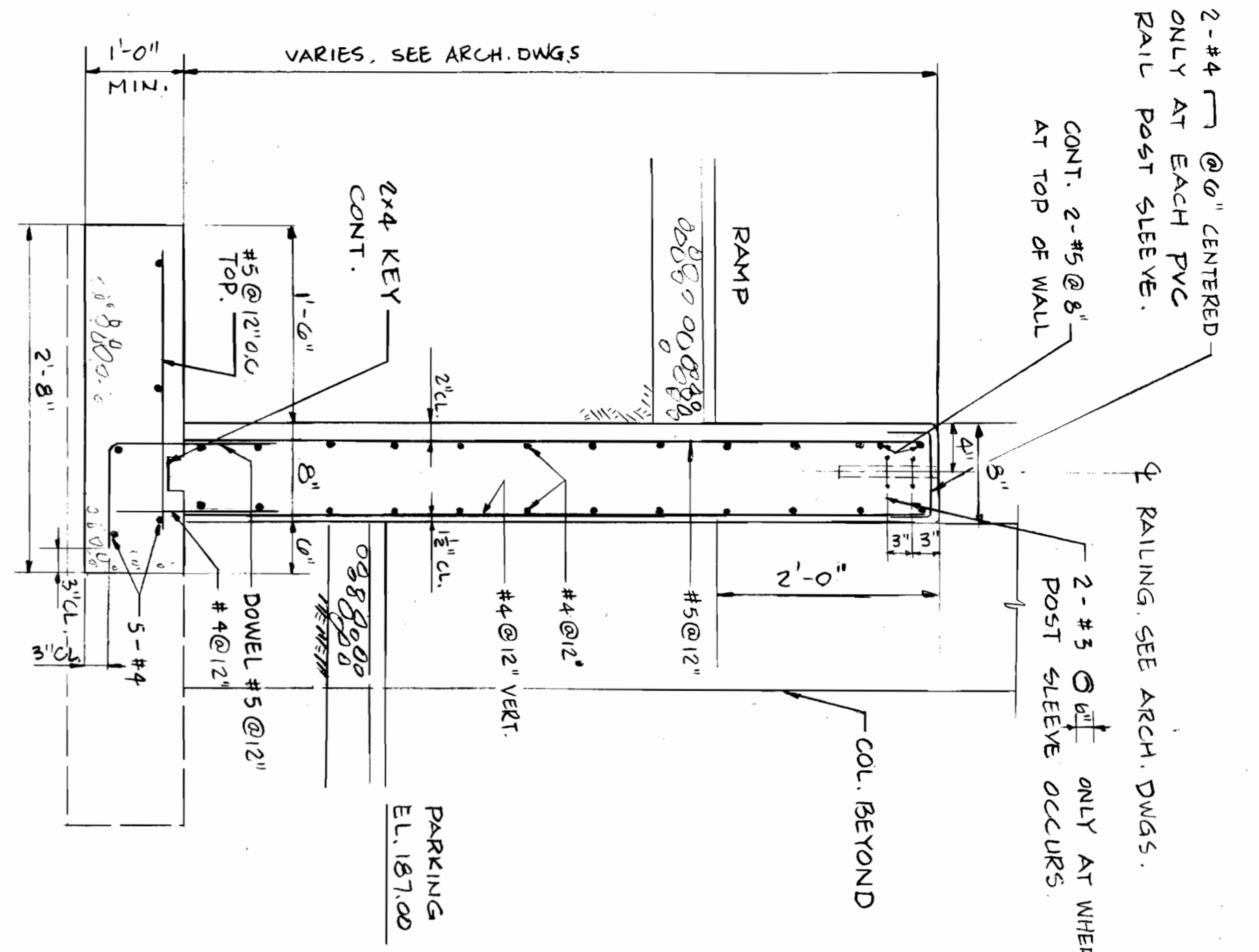


6 THICKENED FTG. AT STEEL STAIR
NO SCALE

<p>Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.</p>	<p>COLUMN SCHEDULE A</p>	<p>THE M.K.M. PARTNERSHIP ARCHITECTURE · INTERIOR DESIGN</p> <p>2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 521-5100</p>	<p>26-26-56</p>
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STRUCTURAL NOTES

I.52A(33)



1 RAMP SECTION
NO SCALE

2-#4 @ 6" CENTERED ONLY AT EACH PVC RAIL POST SLEEVE.
CONT. 2-#5 @ 6" AT TOP OF WALL
2-#3 @ 12" POST SLEEVE OCCURS ONLY AT WHERE RAILING, SEE ARCH. DWGS.
PARKING EL. 167.00
COL. BEYOND
#4 @ 12" VERT.
#4 @ 12"
#5 @ 12" TOP
2x4 KEY CONT.
1'-0"
2'-8"
2'-0"
5'-#4
#4 @ 12"

- A. DESIGN LOADS:
 1. WIND LOAD: 20 PSF
 2. LIVE LOADS:
 - ROOF: 30 PSF; PARKING GARAGE = 75 PSF; MECHANICAL ROOM = 150 PSF; 2 ND FLOOR = 100 PSF; 3RD & 4TH FLOOR = 60 PSF
 - SOIL VALUE:
 - MINIMUM REQUIRED SAFE SOIL BEARING CAPACITY = 2,500 PSF ON COMPACTED GRANULAR CONTROLLED FILL UNLESS OTHERWISE NOTED ON FOUNDATION PLAN. ALL EXTERIOR FOOTINGS ON CONTROLLED FILL SHALL BE A MINIMUM OF 2'-6" BELOW FINISHED EXTERIOR GRADE. FOOTINGS SHALL BE REQUIRED, AT A MAXIMUM SLOPE OF ONE HORIZONTAL TO ONE VERTICAL, TO BE PLACED AT A MINIMUM DISTANCE BETWEEN STEPS SHALL BE NOT LESS THAN 1'-4". SEE CONTRACT SPECIFICATIONS FOR BACKFILLING.
- B. FILLS:
 - UNLESS OTHERWISE SPECIFIED, ALL FILL UNDER SLABS SHALL BE APPROPRIATE TYPES OF GRANULAR MATERIAL WELL COMPACTED BY MEANS OF VIBRATING PLATE OR ROLLER TO A DENSITY NOT LESS THAN 95% OF THE THEORETICAL MAXIMUM DENSITY DETERMINED BY ASTM D 1557 THE MODIFIED PROCTOR METHOD. SEE CONTRACT SPECIFICATIONS FOR REQUIREMENTS OF CONTROLLED FILL. ALL CONTROLLED FILL SHALL BE SUPERVISED AND CERTIFIED BY AN INDEPENDENT SOILS ENGINEER WHO IS CURRENTLY REGISTERED IN THE DISTRICT OF COLUMBIA.
- C. CONCRETE:
 1. STRUCTURAL CONCRETE SHALL CONFORM TO ACI 318-83
 2. CONCRETE SHALL CONFORM TO THE TYPE OF CLASS DESIGNATED BELOW:
 - CLASS 3000 PSI - AIR-ENTRAINED: ALL CONCRETE EXPOSED TO WEATHER
 - CLASS 3000 PSI - TYPICAL, UNLESS OTHERWISE NOTED
 3. SLOPE TOP OF CONCRETE SLABS TO DRAIN IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.
 4. LOCATE AND VERIFY ALL POCKETS, RECESSES, SLEEVES, ANCHOR BOLTS AND OPENINGS IN CONCRETE FOR RELATED TRADERS PRIOR TO SETTING FORMS. THESE ITEMS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
 5. UNLESS OTHERWISE NOTED, POUR CONCRETE SLABS AND WALLS IN ALTERNATE SECTIONS NOT TO EXCEED 25 FEET IN LENGTH. PROVIDE KEYS CONSTRUCTION JOINTS AT MIDWAY BETWEEN COLUMNS. FINAL POURS BETWEEN SECTIONS SHALL NOT BE PLACED SOONER THAN 21 DAYS.
 6. HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED IN WALLS EXCEPT WHERE SHOWN IN DETAILS AND APPROVED BY THE ENGINEER.
- D. STRUCTURAL STEEL:
 1. STRUCTURAL STEEL SHALL CONFORM TO AISC "STANDARD SPECIFICATIONS FOR THE DESIGN FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" LATEST EDITION.
 2. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36-76, UNLESS OTHERWISE NOTED. A 60 KILO BAR AND STRUCTURAL TUBING SHALL CONFORM TO ASTM A501 STEEL PIPE AND STRUCTURAL TUBING SHALL CONFORM TO ASTM A53.
 3. SEE ARCHITECTURAL AND PREFABRICATED STEEL MANUFACTURER'S DRAWINGS FOR ALL METAL NOT SHOWN IN STRUCTURAL DRAWINGS.
 4. ALL SHOP CONNECTIONS SHALL BE PREQUALIFIED WELDED CONNECTIONS. FIELD CONNECTIONS SHALL BE AISC STANDARD BOLTED CONNECTIONS USING 3/4" DIAMETER HIGH STRENGTH BOLTS AND WASHERS TO ASTM A325. BEARING SHALL CONFORM TO THE SPECIFICATIONS TO ASTM A325. BEARING SHALL CONFORM TO THE SPECIFICATIONS TO ASTM A325. BEARING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY UNLESS NOTED OTHERWISE. ALL BEAM BEARINGS ON MASONRY SHALL HAVE 3/8" X 8" X 0'-8" BEARING PLATE AND THREE COURSES OF SOLID BRICK BELOW EACH BEARING. ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT OF RUST-INHIBITING PRIMER OF RED OXIDE AND LINED OIL AND A FINISH COAT. SEE CONTRACT SPECIFICATIONS. ANY STRUCTURAL STEEL DAMAGED RESULTING FROM CONSTRUCTION SHALL BE REPAIRED OR ACCEPTABLY STRAIGHTENED AND REPAIRED.
 5. GENERAL CONTRACTOR SHALL COORDINATE THE FINAL LOCATIONS OF ALL HANGING EQUIPMENT WITH THE APPROVED MECHANICAL SHOP DRAWINGS. STEEL SHOP DRAWINGS ON SUBMITTALS SHALL REFLECT LOCATIONS, DIMENSIONS AND DETAILS OF ALL EQUIPMENT SUPPORTS.
 6. MECHANICAL HANGERS: CONTRACTOR SHALL PROVIDE ROD OR ANGLE HANGERS FOR ALL CEILING HUNG MECHANICAL UNITS, DUCTS AND PIPES AS REQUIRED, UNLESS OTHERWISE NOTED. ALL ROD HANGERS SHALL BE 1/2" IN DIAMETER RODS FOR MECHANICAL UNITS WITH MINIMUM ONE ROD AT EACH CORNER OF THE UNIT, 3/8" DIAMETER RODS FOR DUCTS AND PIPES ONLY. PROVIDE ALL NECESSARY CLAMPS, STRAPS, AND FASTENERS AS REQUIRED. SUCH ITEMS SHALL HAVE A LOAD CARRYING CAPACITY WITH A MINIMUM SAFETY FACTOR OF 4.0. 1/2" X 1/2" X 1/4" WASER IN KIND OR 1/2" DIAMETER ROD, AND 1/2" X 1/2" X 1/4" WASER MAY BE USED

7. STEEL JOISTS: OPEN WEB STEEL JOISTS SHALL BE H-SERIES AND SHALL CONFORM TO THE LATEST SPECIFICATIONS OF THE STEEL JOIST INSTITUTE. ANCHOR ENDS BRACING LINES TO MASONRY WALLS. ALL BRIDGING SHALL BE PLACED AND INSTALLED BY THE CONTRACTOR AT NO COST TO THE OWNER.
8. STEEL LINTELS: UNLESS OTHERWISE NOTED, PROVIDE ONE ANGLE FOR EACH 4" OF NON-BEARING MASONRY WALL AS FOLLOWS:
 - OPENINGS UP TO 3'-5" 2 1/2" X 3 1/2" X 1/4" ANGLE (USE 1/4" THICK FOR EXTERIOR LINTELS)
 - OPENINGS 3'-6" TO 5'-11" 4" X 3 1/2" X 5/16" ANGLE
 - OPENINGS 6'-0" TO 7'-11" 6" X 3 1/2" X 5/16" ANGLE
 - OPENINGS 8'-0" TO 12'-0" W8X18 WITH 1/4" SUSP. PLATE & 1/4" HANGER PLATE AT 16" O.C. UNLESS OTHERWISE NOTED.
9. HEADERS: PROVIDE HEADER L5X3-1/2X5/16 AT EACH SIDE OF EACH ROOF OPENING, UNLESS OTHERWISE NOTED. PROVIDE ANGLE HANGER 7" X 3/8" X 10'-6" AT EACH END OF EACH HEADER ANGLE.
10. ROOF AND FLOOR OPENINGS AND HANGING EQUIPMENT ARE CONTRACTOR'S RESPONSIBILITY. THE RESPONSIBILITY OF THESE ITEMS WITH THE MECHANICAL SHOP DRAWINGS PRIOR TO SUBMISSION OF SAME FOR REVIEW AND APPROVAL. STEEL SHOP DRAWINGS ON SUBMITTALS SHALL REFLECT LOCATIONS, DIMENSIONS AND DETAILS OF ALL OPENINGS AND SUPPORTS.
11. PRECAST CONCRETE LINTELS: SHALL BE USED WHERE INDICATED ON DRAWINGS. PRECAST BEAMS SHALL BE SPACING OPENINGS 7'-0" OR LESS SHALL BE 3'-5/8" X 7'-5/8" X LENGTH REQUIRED WITH ONE NO. 4 REINFORCING BAR AT TOP AND BOTTOM, MINIMUM 1'-1/2" CONCRETE COVER. PROVIDE MINIMUM OF 8" BEARING LENGTH EACH END. AGGREGATES USED FOR CONCRETE SHALL MATCH THE AGGREGATES OF THE MASONRY UNITS, ONLY WHERE LIMTEL IS EXPOSED.
12. ALL STUD SHEAR CONNECTORS SHALL BE 3/4" DIA. X 3" HIGH AND SHALL BE EVENLY SPACED AND STUB WELDED TO THE TOP FLANGE OF THE STEEL BEAM. SEE FRAMING PLANS FOR NUMBER OF STUD SHEAR CONNECTORS.

- F. CONCRETE REINFORCEMENT:
 1. REINFORCING STEEL SHALL CONFORM TO ASTM A615-82, GRADE 60, FABRICATED AND PROVIDED STANDARD SUPPORTING ACCESSORIES IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE ACI 315-80. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185-77. LAR ENDS OF WIRE FABRIC AT LEAST 6" IN EACH DIRECTION FROM OTHER ENDS. ALL SLABS ON GRADE SHALL HAVE A MINIMUM COVER LAYER OF 6'-0" W2.5 WELDED WIRE FABRIC AT MID DEPTH.
 2. CONCRETE PROTECTION FOR REINFORCEMENT: MINIMUM COVER FOR REINFORCING STEEL SHALL BE:
 - 3/4" IN SLABS AND IN WALLS AT FACES NOT EXPOSED TO WEATHER
 - 1 1/2" IN BEAMS AT BOTTOM AND SIDES; IN COLUMNS
 - 1 1/2" IN SLABS AT BOTTOM POURED ON VAPOR BARRIER ON GRAVEL BASE
 - 2" IN ALL MEMBERS EXPOSED TO WEATHER OR EARTH BACKFILL
 - 3" IN ALL CONCRETE POURED AGAINST EXISTING ONE BAR DIAMETER, BUT NOT LESS THAN 3/4" AT UPPER FACES OF ALL MEMBERS
- G. MASONRY WALLS:
 1. WALL BRACING: EXTREME CARE AND PROPER PREVENTIVE MEASURES MUST BE TAKEN SO AS NOT TO DAMAGE, BUDGE OR TIP WALLS DURING CONSTRUCTION. EQUIPMENT, STABILITY, WIND OR EARTH PRESSURE, SHALL BE EMPLOYED TO MAINTAIN STABILITY. METHODS OF PROTECTION SHALL BE EMPLOYED TO MAINTAIN STABILITY OF THE BUILDING IS ON THE WALLS. DURING ERECTION, MASONRY WALLS SHALL NOT BE BUILT HIGHER THAN 10 TIMES THEIR THICKNESS UNLESS ADEQUATELY BRACED.
 2. MASONRY WALL TIES: ALL MASONRY UNITS OF SOLID AND CAVITY MASONRY WALLS SHALL BE BONDED TOGETHER WITH 6" DIA. WELDED WIRE FABRIC WALL REINFORCEMENT AT 16" ON CENTER. ALL INTERSECTIONS AND CORNERS OF BONDING TIES AND BILLS AT EACH END AT 16" O.C. VERTICALLY IN MASONRY WALLS AT INTERSECTION OF ALL EXTERIOR MASONRY WALLS AT
- H. PROTECTION FOR UTILITY LINES:
 - UTILITY LINES PASSING UNDER FOOTINGS SHALL BE PROTECTED WITH CONCRETE OVER 9" MINIMUM AT SIDES AND BOTTOM OF LINE AND UP TO BOTTOM OF FOOTING STRUCTURE.
- I. SHOP DRAWINGS:
 - SHALL BE SUBMITTED FOR APPROVAL BEFORE FABRICATION OF STEEL. GENERAL CONTRACTOR SHALL SUBMIT STRESS CALCULATIONS AND DETAILED SHOP DRAWINGS OF ALL PREFABRICATED STEEL FRAMING FOR APPROVAL.
- J. MISCELLANEOUS:
 1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY ANCHORS, BRACES AND DETAILING FOR ALL ANCHORS, BRACES AND LOCATION OF THESE ITEMS SHALL BE VERIFIED BEFORE CONCRETE IS POURED.
 2. PIPES AND PIPE SLEEVES THROUGH WALLS AND SLABS BELOW GRADE SHALL BE WELL CAULKED TO WATER-TIGHT AT BOTH ENDS OF SLEEVES. SLEEVES THRU CONCRETE SLAB SHALL BE SPACED NOT CLOSER THAN 6" FROM EACH OTHER. SLEEVES SHALL BE MADE THROUGH HANDSOME CONCRETE WITHOUT THE AUTHORIZATION OF THE ENGINEER. NO HOLES SHALL BE MADE THROUGH ANY STEEL BEAM OR GIRDER UNLESS OTHERWISE INDICATED IN CONTRACT DRAWINGS. ALL OPENINGS IN STEEL BEAMS SHALL BE SHOP MADE AND SHALL BE SHOWN ON SHOP DRAWINGS. REINFORCE BEAM WEB WITH 3/8" INCH STIFFENER PLATE AROUND OPENING AS REQUIRED.
 3. PROVIDE DOVERALL ANCHOR SLOTS AT 24" O.C. WHERE MASONRY BRUTES OR PACES CONCRETE. PROVIDE DOVERALL ANCHORS IN MASONRY AT 16" O.C. VERTICALLY.
 4. FOR ALL OPENING DIMENSIONS AND LOCATIONS SEE ARCHITECTURAL DRAWINGS. ALL STRUCTURAL STEEL ELEMENTS AROUND EACH OPENING SHALL BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO STEEL FABRICATION. PROVIDE ADEQUATE STEEL FRAMING AROUND EACH OPENING ACCORDINGLY.
- K. EXISTING STRUCTURE:
 - ALL EXISTING CONDITIONS, MATERIALS, DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO BEGINNING WORK. EXTREME CARE AND SAFETY MEASURES MUST BE TAKEN BY THE GENERAL CONTRACTOR SO AS NOT TO DAMAGE THE EXISTING STRUCTURE IN ANY WAY. ANY DAMAGE TO EXISTING STRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL CONTRACTOR.

Organization of American States
INTER-AMERICAN DEFENCE BOARD BUILDING
2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

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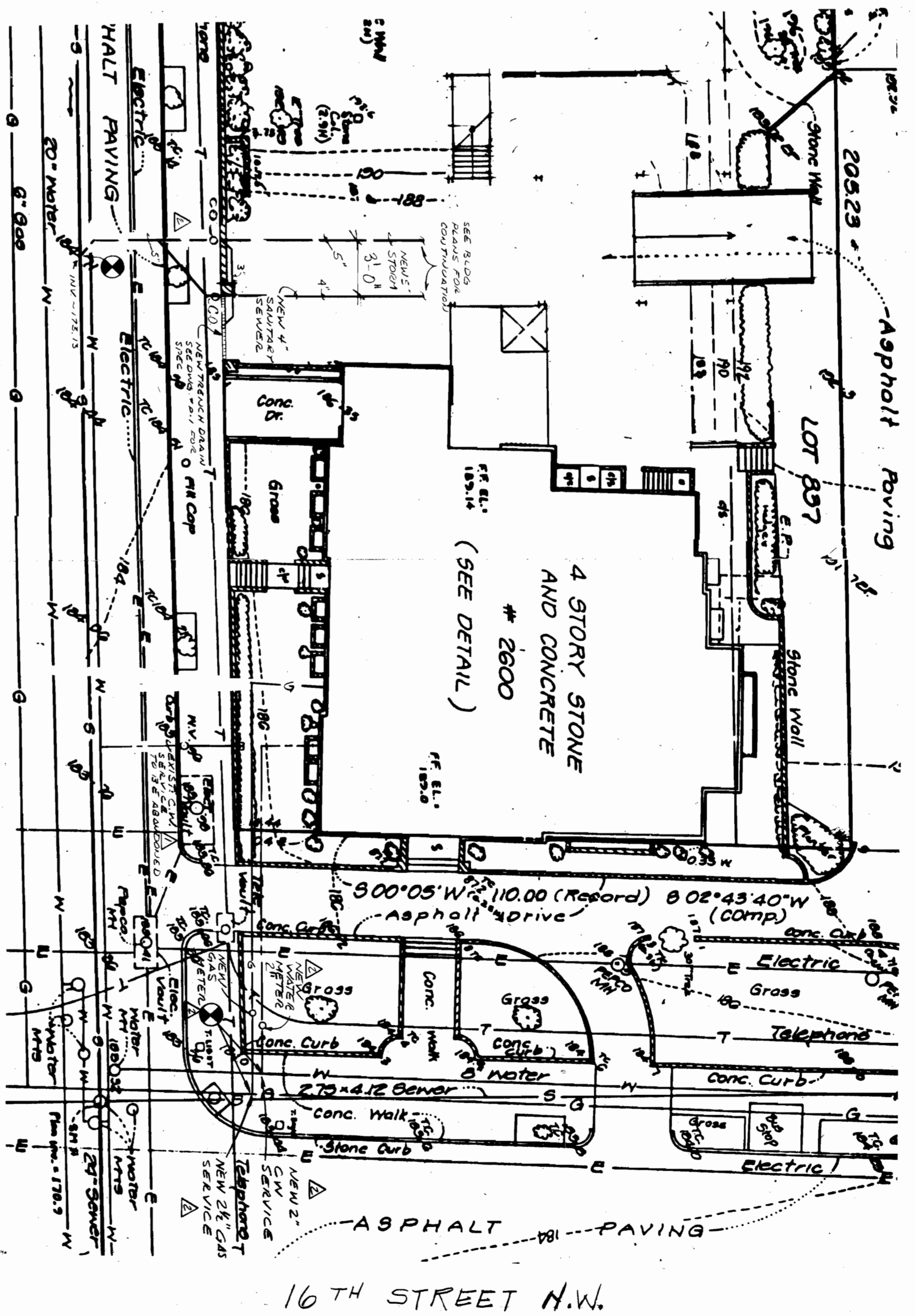
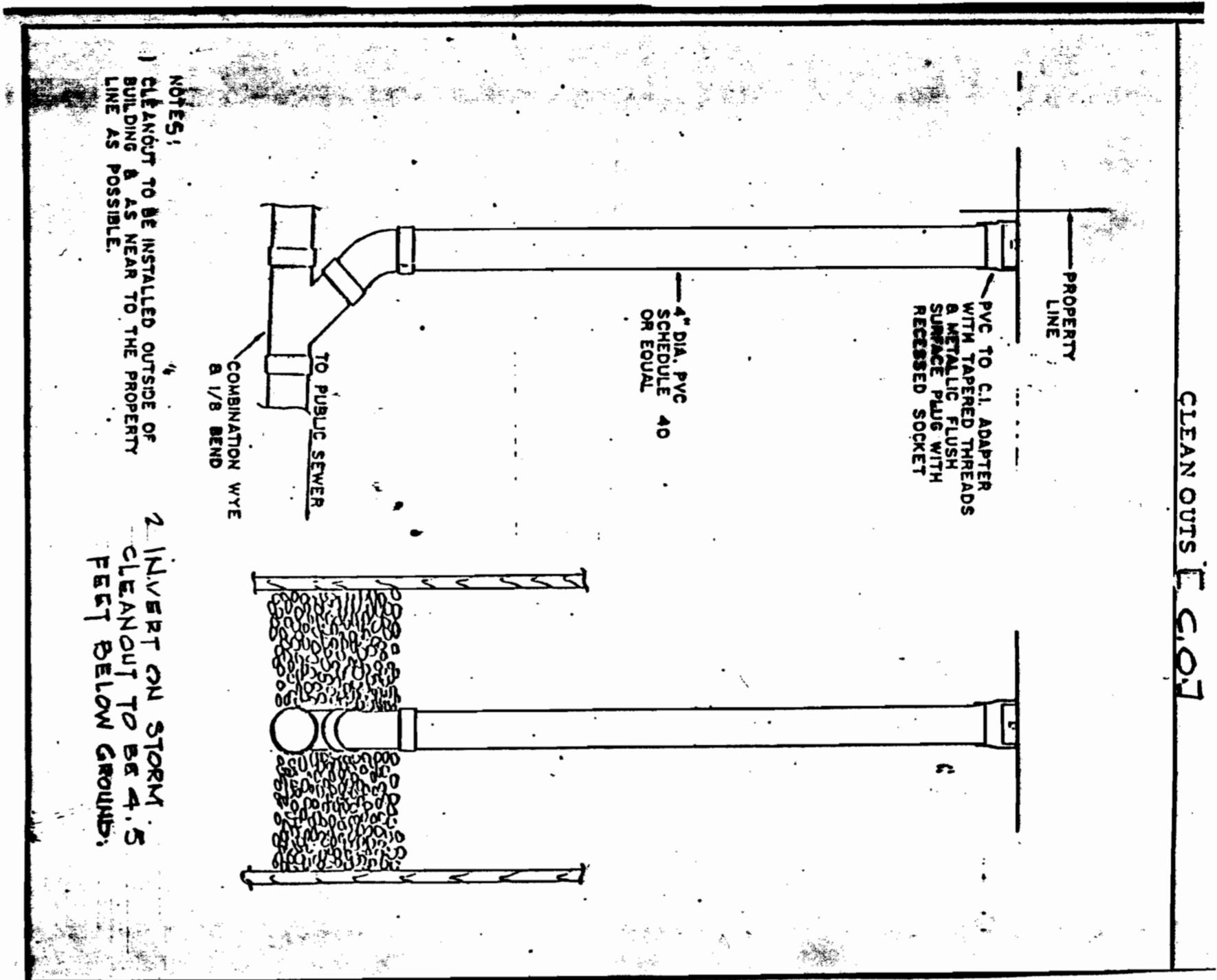
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WASHINGTON, D.C. 20008
TEL. (202) 223-6108

SHEET TITLE: **STRUCTURAL NOTES**

MECHANICAL LEGEND

ABBREVIATION	MEANING
OTS	DUAL TEMPERATURE SUPPLY
DTR	DUAL TEMPERATURE RETURN
D	DRAIN CONDENSATE DRAIN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
RS	REFRIGERANT SUPPLY
RL	REFRIGERANT LIQUID
OA	OUTSIDE AIR
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
AFF	ABOVE FINISHED FLOOR
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
RA.G.	RETURN AIR GRILLE
EA.G.	EXHAUST AIR GRILLE
DA.	DRAIN AIR FILTER
EA.R.	EXHAUST AIR REGISTER
MVD	MANUAL VOLUME DAMPER
W	SAUTAGEY WASTE
V	SAUTAGEY VEUT
HW	HOT WATER
CW	COLD WATER
CO	CLEAR OUT
RL	RAIN LEADER
ATC	AUTOMATIC TEMPERATURE CONTROL

SYMBOL	MEANING
OTS	DUAL TEMPERATURE WATER SUPPLY PIPING
DTR	DUAL TEMPERATURE WATER RETURN PIPING
DWS	DRAIN CONDENSATE WATER SUPPLY PIPING
CWS	CHILLED WATER SUPPLY PIPING
CWR	CHILLED WATER RETURN PIPING
CS	CONDENSER WATER SUPPLY PIPING
CR	CONDENSER WATER RETURN PIPING
GA	GAS PIPING
RL	REFRIGERANT LIQUID PIPING
RS	REFRIGERANT SUCTON PIPING
D	DRAIN PIPING
SA	SAUTAGEY WASTE PIPING
V	SAUTAGEY VEUT PIPING
HW	HOT WATER PIPING
CW	COLD WATER PIPING
CO	PIPE CLEANING
CA	CLEAR OUT
RL	RAIN LEADER
ATC	AUTOMATIC TEMPERATURE CONTROL



I. 52A (34)

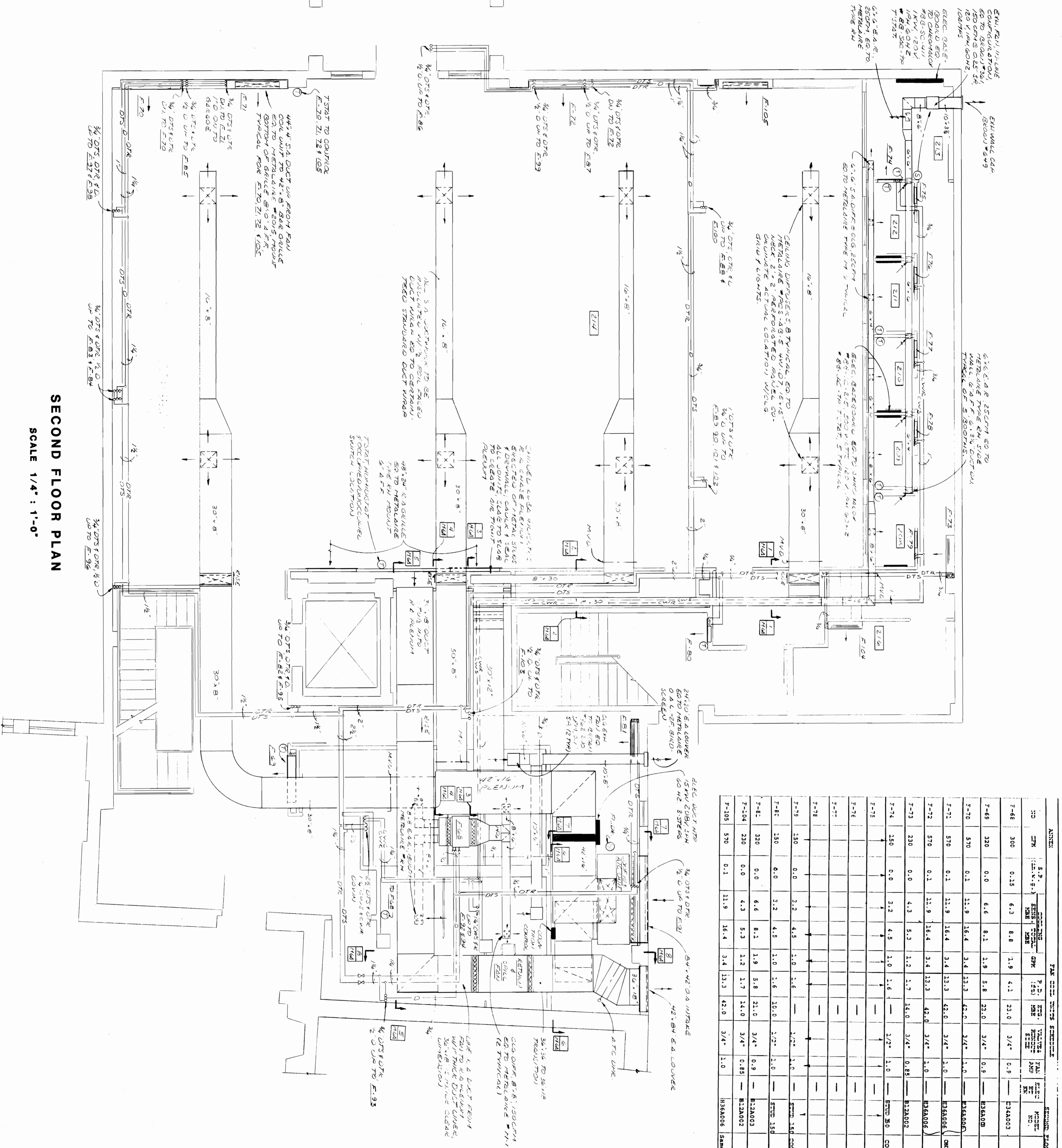
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 ARCHITECTURE · INTERIOR DESIGN

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I, SZA(36)

NO.	TYPE	S.P.	E.P.	R.A.R.		D.P.		S.P.		S.P.		REMARKS
				AREA	PERCENT	AREA	PERCENT	AREA	PERCENT	AREA	PERCENT	
F-6E	300	0.15	6.3	8.8	1.9	4.1	23.0	3/4"	0.9			
F-6F	330	0.0	6.6	8.1	1.9	5.8	23.0	3/4"	0.9			
F-70	570	0.2	11.9	16.4	3.4	13.3	42.0	3/4"	1.0			
F-71	570	0.2	11.9	16.4	3.4	13.3	42.0	3/4"	1.0			
F-72	570	0.2	11.9	16.4	3.4	13.3	42.0	3/4"	1.0			
F-73	230	0.0	4.3	5.3	1.2	1.7	14.0	3/4"	0.85			
F-74	150	0.0	3.2	4.5	1.0	1.6		1/2"	1.0			
F-75												
F-76												
F-77												
F-78	150	0.0	3.2	4.5	1.0	1.6		1/2"	1.0			
F-81	150	0.0	3.2	4.5	1.0	1.6	10.0	1/2"	1.0			
F-104	230	0.0	4.3	5.3	1.2	1.7	14.0	3/4"	0.85			
F-105	570	0.2	11.9	16.4	3.4	13.3	42.0	3/4"	1.0			



SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

H V A C

Organization of American States
 INTER-AMERICAN DEFENCE BOARD BUILDING
 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

**ANNEX
 SECOND FLOOR PLAN**

VON OTTO & BILECKY, P.C.
 MECHANICAL/ELECTRICAL ENGINEERING
 GEORGETOWN BUILDING SUITE 304
 2233 WISCONSIN AVENUE, N.W.
 WASHINGTON, D.C. 20007
 TELEPHONE: (202) 353-2750

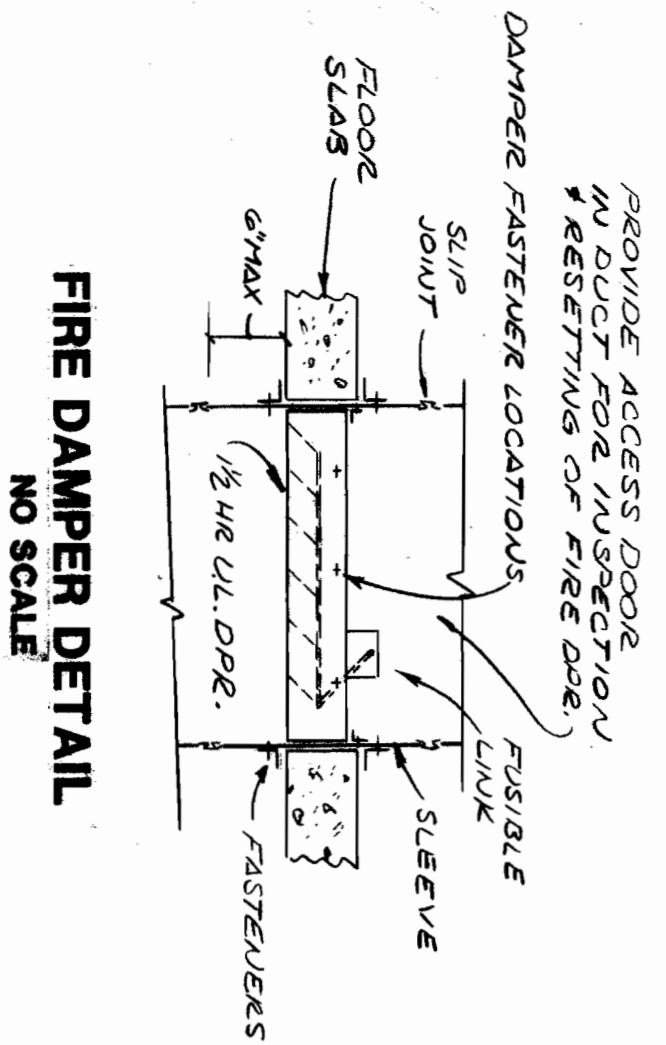
ASST. SECRETARY FOR MGT.
 DIR. OF DEPT. OF MATERIAL RESOURCES
 CHAS. ARCHITECT

THE M.K.M. PARTNERSHIP
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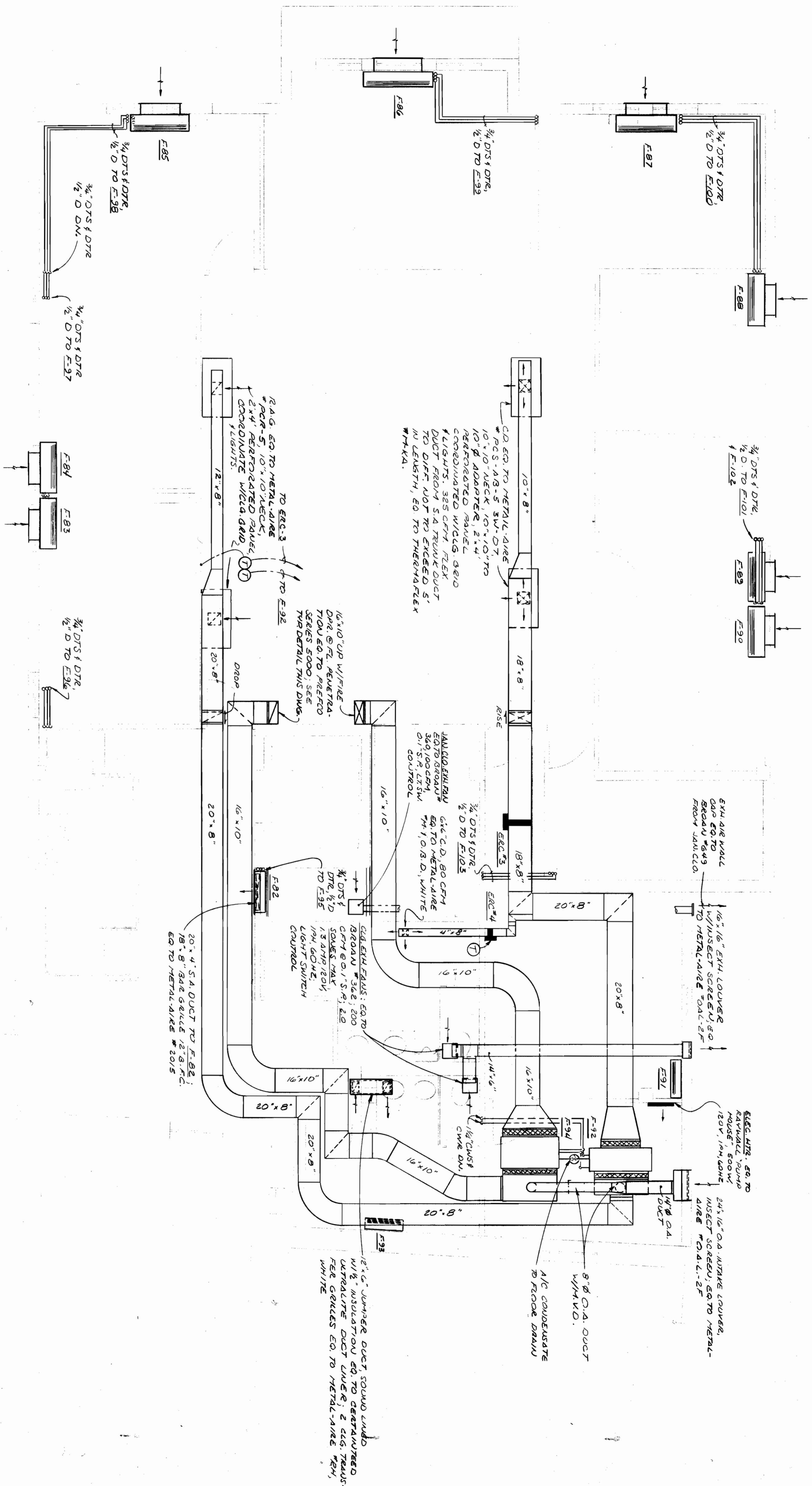
2025 EYE STREET, N.W.
 WASHINGTON, D.C. 20006
 TEL. (202) 223-6108

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M-2A
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I, 52A(37)



THIRD FLOOR PLAN : H V A C
SCALE 1/4" = 1'-0"



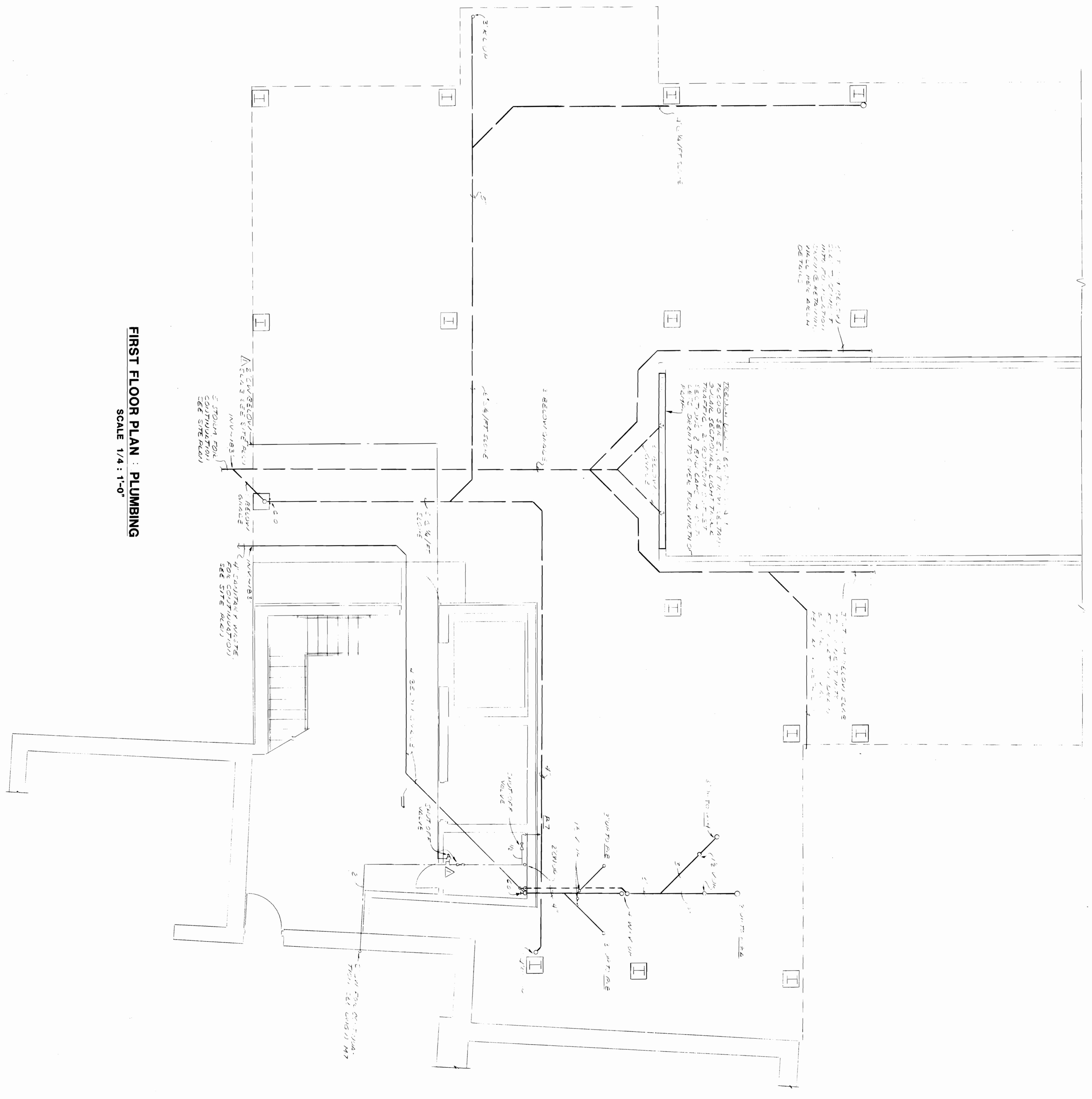
NO	CM	R. P.	FAN COIL UNIT SCHEDULE				THIRD FLOOR				
			COOLING CAPACITY (T.O. 100% RH)	HEATING CAPACITY (T.O. 100% RH)	WATER FLOW (G.P.M.)	WATER PRESS. (PSI)	MODEL NO.	REMARKS			
F-82	230	0.1	4.3	5.3	1.2	1.7	14.0	3/4"	0.88	113A002	NORMAL O.A. CONTROL
F-83	290	0.0	6.0	8.7	1.9	9.0	21.0	3/4"	0.9	113A003	NORMAL O.A. CONTROL
F-84	290	0.0	6.0	8.7	1.9	9.0	21.0	3/4"	0.9	113A003	NORMAL O.A. CONTROL
F-85	360	0.0	7.5	11.0	2.2	6.6	32.0	3/4"	0.88	113A004	
F-86	590	0.0	11.1	15.7	3.2	10.5	42.0	3/4"	1.0	113A006	
F-87	360	0.0	7.5	11.0	2.2	6.6	32.0	3/4"	0.88	113A004	
F-88	200	0.0	3.6	5.3	1.2	1.7	14.0	3/4"	0.88	113A002	
F-89	200	0.0	3.6	5.3	1.2	1.7	14.0	3/4"	0.88	113A002	
F-90	200	0.0	3.6	5.3	1.2	1.7	14.0	3/4"	0.88	113A002	NORMAL O.A. CONTROL
F-91	280	0.0	4.3	5.3	1.2	1.7	14.0	3/4"	0.88	113A002	
F-92	600	0.2	11.5	16.5	3.4	13.8	—	3/4"	0.0	CHANGING COOLING ONLY	
F-93	230	0.0	4.3	5.3	1.2	1.7	14.0	3/4"	0.88	113A002	

H V A C

<p>Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.</p>	<p>von OTTO & BILECKY, P.C. MECHANICAL/ELECTRICAL ENGINEERING GEORGETOWN BUILDING SUITE 304 2233 WISCONSIN AVENUE, N.W. WASHINGTON, D.C. 20007 TELEPHONE: (202) 331-9780</p>	<p>THE M.K.M. PARTNERSHIP ARCHITECTURE · INTERIOR DESIGN 2025 EYE STREET, N.W. WASHINGTON, D.C. 20004 TEL: (202) 462-4100</p>
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I.52A(4)

FIRST FLOOR PLAN : PLUMBING
SCALE 1/4" = 1'-0"



Organization of American States
 INTER-AMERICAN DEFENCE BOARD BUILDING
 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

**ANNEX
 FIRST FLOOR PLAN**

von OTTO & BILECKY, P.C.
 MECHANICAL/ELECTRICAL ENGINEERING
 GEORGETOWN BUILDING SUITE 314
 2233 WISCONSIN AVENUE, NW
 WASHINGTON, D.C. 20007
 TELEPHONE: (202) 333-2750

ASST. SECRETARY FOR MGT
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 P-1

PLUMBING

GENERAL NOTES

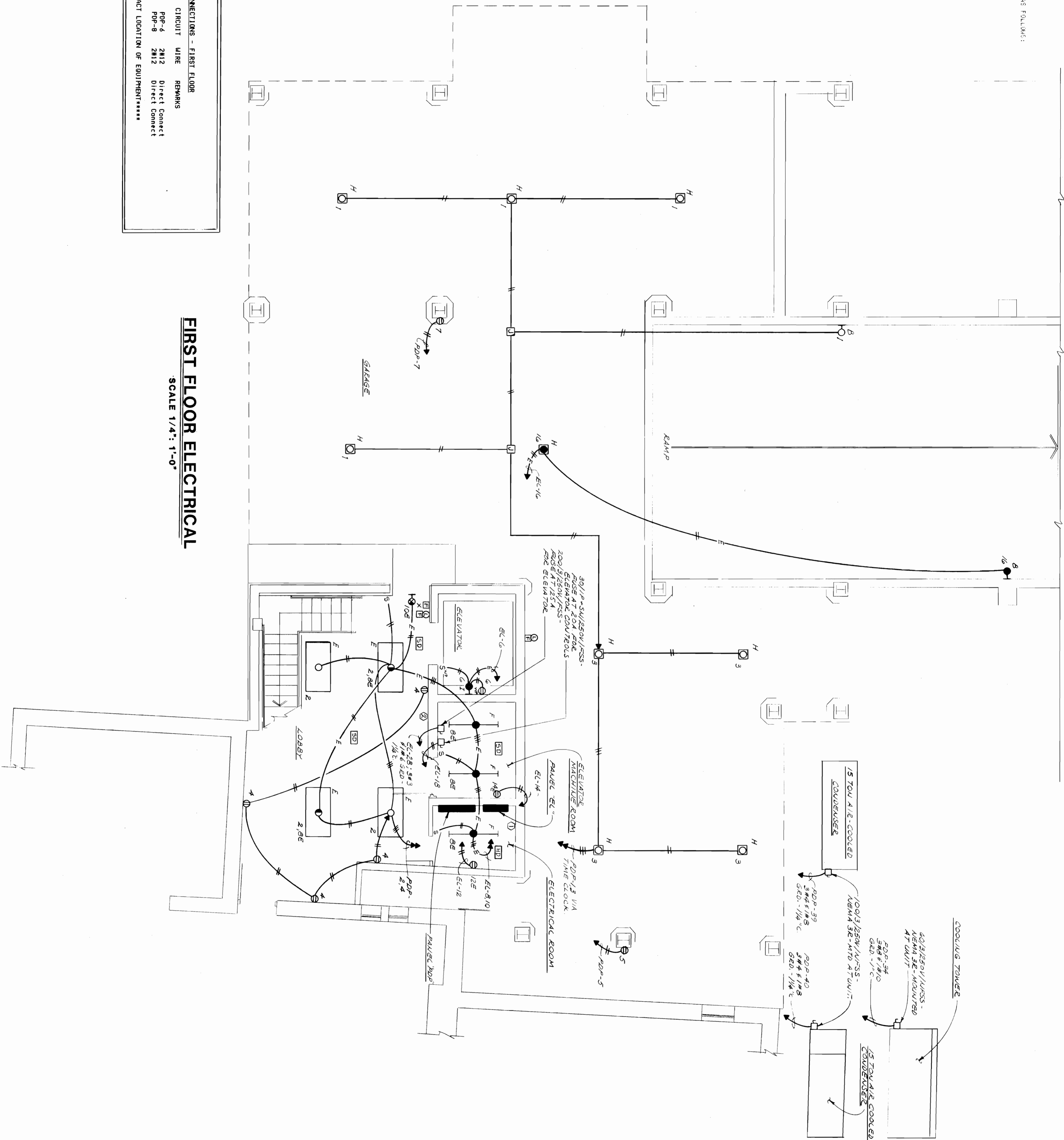
1. WORK TO BE INCLUDED UNDER THIS BID CONTRACT IS SHOWN AS FOLLOWS:
- 006 - F-1A: ELECTRICAL GENERAL NOTES
 - 006 - F-1A: FIRST FLOOR PLAN - ELECTRICAL
 - 006 - E-2A: SECOND FLOOR PLAN - ELECTRICAL
 - 006 - E-3A: THIRD FLOOR PLAN - ELECTRICAL
 - 006 - E-4A: FOURTH FLOOR PLAN - ELECTRICAL
 - 006 - E-5A: BASEMENT FLOOR PLAN - ELECTRICAL
 - 006 - E-6A: BUILDING ELECTRICAL
 - 006 - E-7A: POWER RISER DIAGRAM
 - 006 - E-7A: ELECTRICAL LEGEND
 - 006 - E-7A: FIRE ALARM RISER DIAGRAM
 - 006 - E-7A: PART PLAN - NEW ELECTRICAL SERVICE
 - 006 - E-8A: NOTES - NEW ELECTRICAL SERVICE
 - 006 - E-8A: ELECTRICAL SPECIFICATIONS
 - 006 - E-8A: LIGHTING SPECIFICATIONS
 - 006 - E-8A: OTHER MISC. ELECTRICAL WORK

MISCELLANEOUS MECHANICAL CONNECTIONS - FIRST FLOOR			
ITEM	DESCRIPTION	ROOM	REMARKS
1	Wall Heater	Elec	500W, 120V, POP-6 2M12 Direct Connect
2	Lobby	Elec	85W, 120V, POP-8 2M12 Direct Connect

*****SEE DRAWING NO. M-1A FOR EXACT LOCATION OF EQUIPMENT*****

FIRST FLOOR ELECTRICAL

SCALE 1/4" = 1'-0"



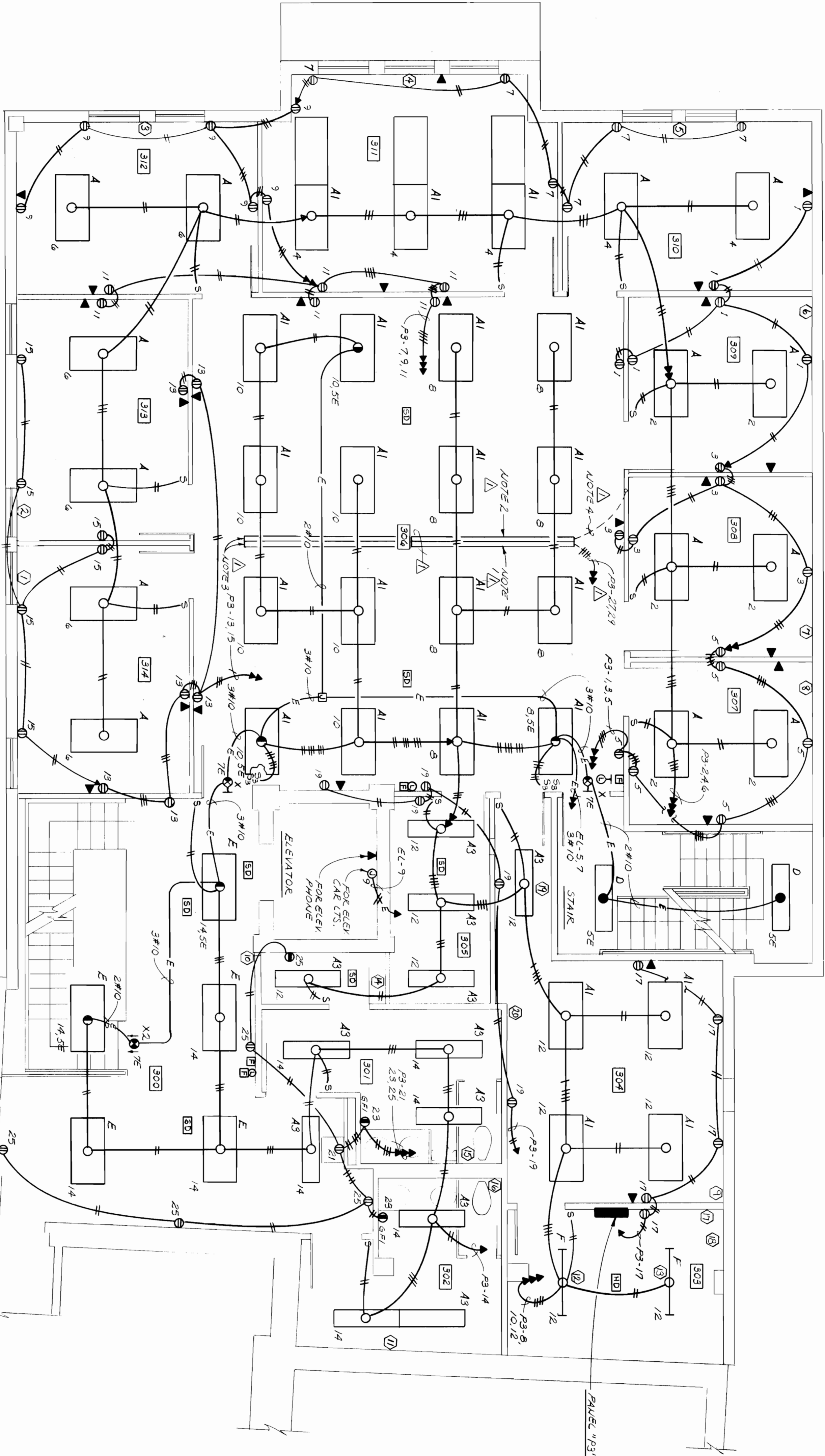
I, 52A(46)

NOTE: FOR ELEVATOR LOCATION SEE ARCH. SITE PLAN.

	Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.	VON OTTO & BILECKY, P.C. MECHANICAL/ELECTRICAL ENGINEERING GEORGETOWN BUILDING SUITE 300 2233 WISCONSIN AVENUE, N.W. WASHINGTON, D.C. 20007 TELEPHONE: 602-25-1110	ASST. SECRETARY FOR MGT. DIR. OF DEPT. OF MATERIAL RESOURCES CHAS. ARCHITECT		THE M.K.M. PARTNERSHIP ARCHITECTURE • INTERIOR DESIGN 2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 223-6108
	FIRST FLOOR ELECTRICAL	E-1A			

SEE DRAWING NO. E-44 FOR UNDERFLOOR DUCT
 REFERENCE NOTES.

NOTES
 UNDERFLOOR DUCT



MISCELLANEOUS MECHANICAL CONNECTIONS - THIRD FLOOR

ITEM	DESCRIPTION	ROOM	ELECT. CHARN.	CIRCUIT	WIRE	REMARKS
1	F-83	314	0.90, 120V.	P3-18	2#12	Direct connect
2	F-84	313	0.90, 120V.	P3-18	2#12	Items 1 thru 9 to
3	F-85	312	.69A, 120V.	P3-18	2#12	same circuit.
4	F-86	311	1.0A, 120V.	P3-18	2#12	*
5	F-87	310	.69A, 120V.	P3-18	2#12	*
6	F-88	309	.69A, 120V.	P3-18	2#12	*
7	F-89	308	.69A, 120V.	P3-18	2#12	*
8	F-90	307	.69A, 120V.	P3-18	2#12	*
9	F-91	306	.69A, 120V.	P3-18	2#12	Direct connect
10	F-92	305	.69A, 120V.	P3-18	2#12	Items 10 thru 13
11	F-93	304	3.2A, 120V.	P3-20	2#12	to same circuit.
12	F-94	303	1.0A, 120V.	P3-20	2#12	Comm. to lt. sw.
13	Exhaust Fan	301	1.0A, 120V.	P3-12	2#12	Comm. to lt. sw.
14	Exhaust Fan	302	1.0A, 120V.	P3-14	2#12	Comm. to lt. sw.
15	Exhaust Fan	302	500W, 120V.	P3-16	2#12	Direct connect
16	Wall Heater	303	4.5 Max. Rd.	P3-40	2#12	Direct connect
17	Water Heater	303	5 KW, 208V.,	P3-39	3#12	30/3/250V/NFSS at
18	Reheat Coil	304	1.5W, 208V.,	P3-33	2#12	unit & dir. conn. at
19	Reheat Coil	304	Single Ph.			unit & dir. conn.
20	Reheat Coil	304				

THIRD FLOOR PLAN - ELECTRICAL
 SCALE 1/4" = 1'-0"

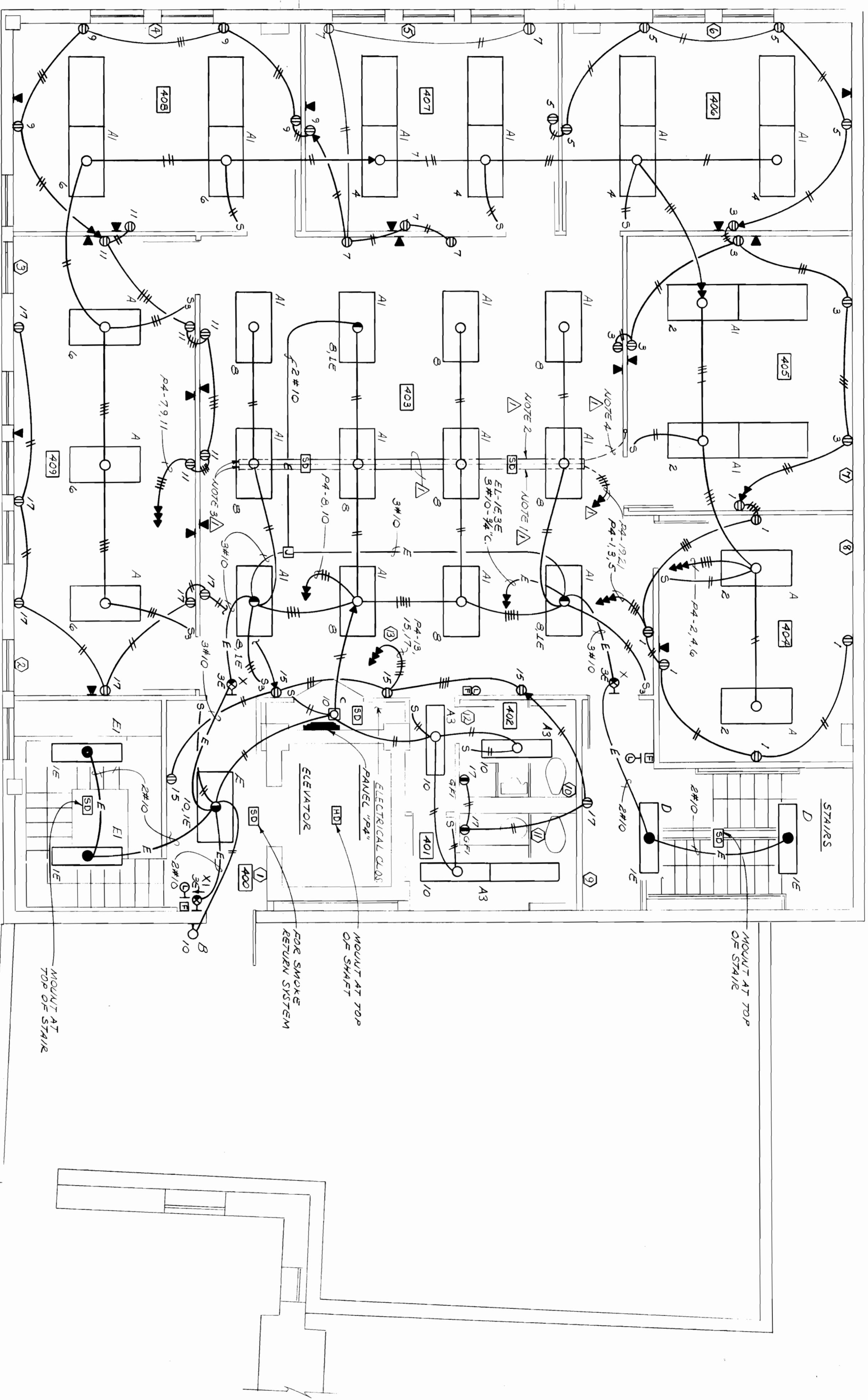
I, S2A(48)

<p>Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.</p> <p>THIRD FLOOR ELECTRICAL</p>	<p>von OTTO & BLECKY, P.C. MECHANICAL/ELECTRICAL ENGINEERS GEORGETOWN BUILDING SUITE 204 1223 Wisconsin Avenue, N.W. WASHINGTON, D.C. 20007 TELEPHONE: (202) 331-8788</p>	<p>ASST. SECRETARY FOR MGT. OFFICE OF DIST. OF MATERIAL RESOURCES OAS ARCHITECT</p>		<p>THE M.K.M. PARTNERSHIP ARCHITECTURE • INTERIOR DESIGN</p> <p>2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 223-6108</p>
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I, 52A(49)

NOTES
UNDER FLOOR DUCT

1. UNDER FLOOR POWER DUCT - 2 SECTIONS @ 10'-0" PROVIDE SQUARE D NO. G1/134. PROVIDE CABLE TRAYS AT FLOOR END FOR INCLUDING POWER. EXTEND 3/16" FINE GRID WIRING UNDER FLOOR DUCT. COULD BE CONNECTED TO - SEE NOTE 5 FOR ADDITIONAL REQUIREMENTS.
2. UNDER FLOOR TELEPHONE DUCT - SAME AS POWER PROVIDE SQUARE D NO. G1/134. PROVIDE CABLE TRAYS FOR INCLUDING TELEPHONE CABLES. TELEPHONE WIRING BY OTHERS - SEE NOTE 5.
3. PROVIDE SQUARE D NO. G-14/11 DUCT END PLUG IN EACH DUCT.
4. PROVIDE 2-1/4" C FROM TELEPHONE DUCT UP IN WALL & IN TO ACCESSIBLE CEILING SPACE FOR TELEPHONE WIRING BY OTHERS.
5. IN ADDITION, PROVIDE ALL REQUIRED MOUNTING & CONNECTION HARDWARE INCLUDING:
 - A. SQUARE D DUCT SUPPORT COULGERS (NO. G1/33-11)
 - B. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - C. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - D. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - E. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - F. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - G. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - H. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - I. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - J. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - K. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - L. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - M. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - N. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - O. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - P. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - Q. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - R. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - S. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - T. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - U. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - V. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - W. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - X. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - Y. 3/8" DIA. DUCT INSERT (NO. G1/33-11)
 - Z. 3/8" DIA. DUCT INSERT (NO. G1/33-11)

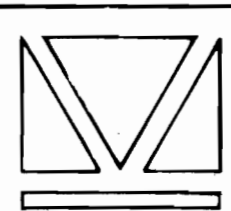


FOURTH FLOOR PLAN - ELECTRICAL

SCALE 1/4" = 1'-0"

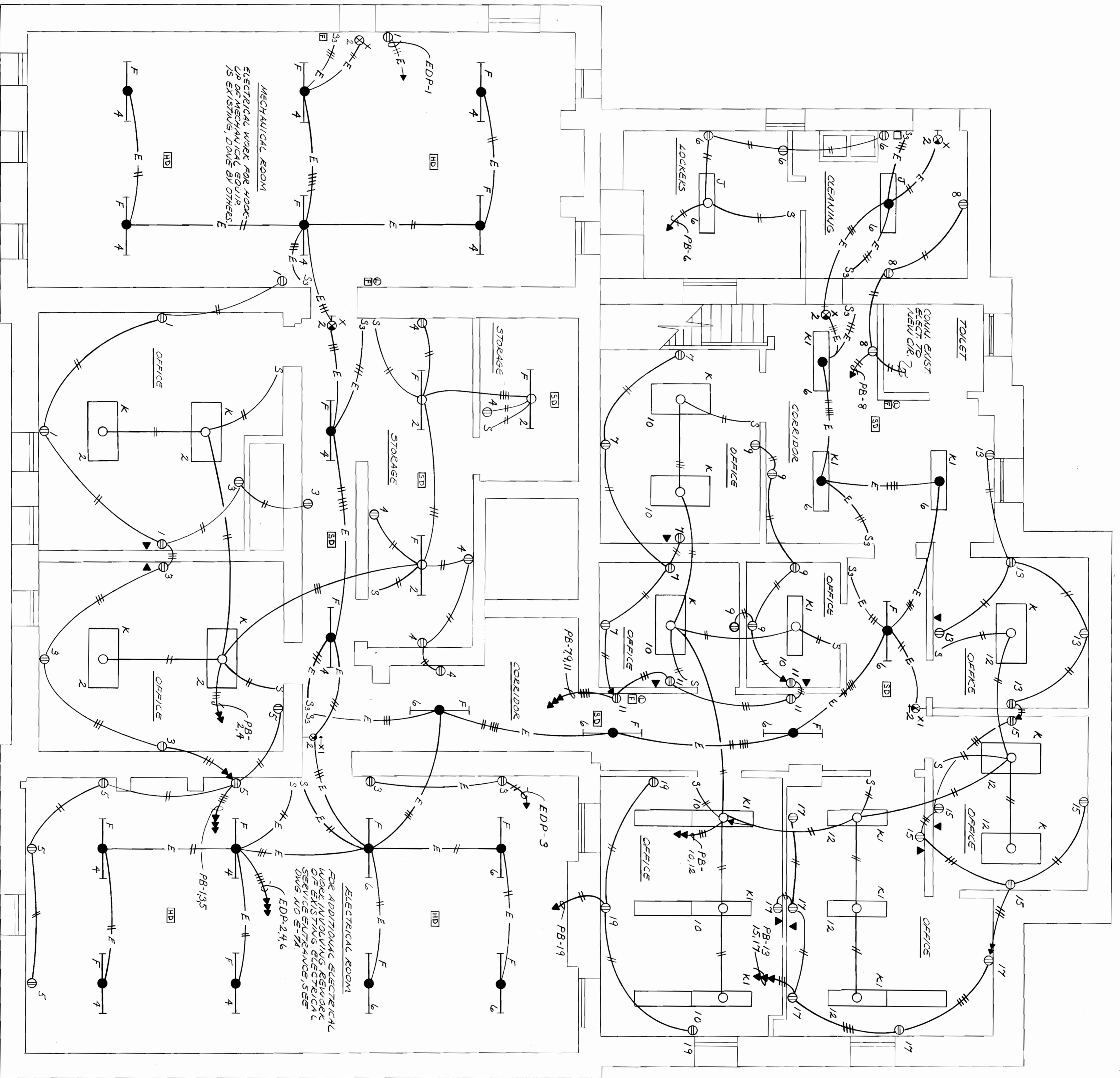
ITEM	DESCRIPTION	ROOM	ELECT. CHGR.	CIRCUIT	WIRE	REMARKS
1	F-95	400	85A, 120V	P4-12	2M12	Direct connect
2	F-96	400	85A, 120V	P4-12	2M12	Same circuit
3	F-97	400	85A, 120V	P4-12	2M12	Same circuit
4	F-98	400	85A, 120V	P4-12	2M12	Same circuit
5	F-99	400	85A, 120V	P4-12	2M12	Same circuit
6	F-100	406	85A, 120V	P4-12	2M12	Same circuit
7	F-101	405	85A, 120V	P4-12	2M12	Same circuit
8	F-102	404	85A, 120V	P4-12	2M12	Same circuit
9	F-103	404	85A, 120V	P4-12	2M12	Same circuit
10	Exhaust Fan	402	100, 120V	P4-10	2M12	Conn. to 11, SW.
11	Exhaust Fan	401	100, 120V	P4-10	2M12	Conn. to 11, SW.
12	Exhaust Fan	402	100, 120V	P4-10	2M12	Conn. to 11, SW.
13	Exhaust Fan	403	100, 120V	P4-10	2M12	Conn. to 11, SW.

*****SEE DRAWING NO. H-44 FOR EXACT LOCATION OF EQUIPMENT*****

E-4A MKM	NO. 10 LPT AS SHOWN 6-2-8-8	Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.	von OTTO & BILECKY, P.C. MECHANICAL/ELECTRICAL ENGINEERING GEORGETOWN BUILDING SUITE 314 2233 WISCONSIN AVENUE, N.W. WASHINGTON, D.C. 20007 TELEPHONE: (202) 333-2750	ASST. SECRETARY FOR MGT. DIR. OF DEPT. OF MATERIAL RESOURCES OAS ARCHITECT	 THE M.K.M. PARTNERSHIP ARCHITECTURE • INTERIOR DESIGN 2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 223-6108
		FOURTH FLOOR ELECTRICAL			

DRAWING NOTES

1. FOR ELECTRICAL WORK REQUIRED FOR UPGRADE OF EXISTING ELECTRICAL SERVICE, SEE DRAWING NO. E-7A.
2. EXISTING LIGHTING AND POWER ON THIS FLOOR IS, IN GENERAL, TO BE RENOVATED. AS THE RENOVATION WORK FOR THE EXISTING BUILDING CAN ONLY PARTIALLY COMPLETED BY OTHERS, SOME NEW WORK ITEMS WHICH IS TO REMAIN. FINAL EXTENT OF DEMOLITION ON THIS FLOOR SHALL BE AS DIRECTED BY THE OAS/ADB REPRESENTATIVE, COL. JAMES YORK.
3. ELECTRICAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT IN THE MECHANICAL ROOM HAVE BEEN INSTALLED BY OTHERS AND ARE TO REMAIN. WORK UNDER THIS CONTRACT RELATIVE TO SAME CONSISTS OF THE IN OF THE TEMPORARY FEEDERS SERVING SAID EQUIPMENT TO THE NEW, PERMANENT BUILDING ELECTRICAL SERVICE.
4. LOCATIONS OF ALL ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE RELATIVE TO THE ORIGINAL PROPOSED. DUE TO INTERFERENCE OF PIPING, STRUCTURAL ELEMENTS, ETC., THE LOCATION SHALL BE PREPARED TO SHIFT ANY OR ALL OUTLETS 10'-0" IN ANY DIRECTION FROM THE LOCATION SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. FINAL LOCATIONS OF ALL ELECTRICAL OUTLETS SHALL BE AS DIRECTED BY THE OAS/ADB REPRESENTATIVE, COL. JAMES YORK.



EXISTING BASEMENT PLAN - ELECTRICAL

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

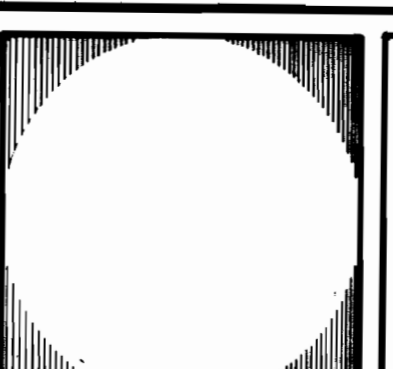
I, 52A(50)

Organization of American States
 INTER-AMERICAN DEFENCE BOARD BUILDING
 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

SHEET TITLE
**BASEMENT-PLAN
 ELECTRICAL**

von OTTO & BILECKY, P.C.
 MECHANICAL/ELECTRICAL ENGINEERING
 GEORGETOWN BUILDING SUITE 314
 2233 WISCONSIN AVENUE, NW
 WASHINGTON, D.C. 20007
 TELEPHONE: (202) 333-2750

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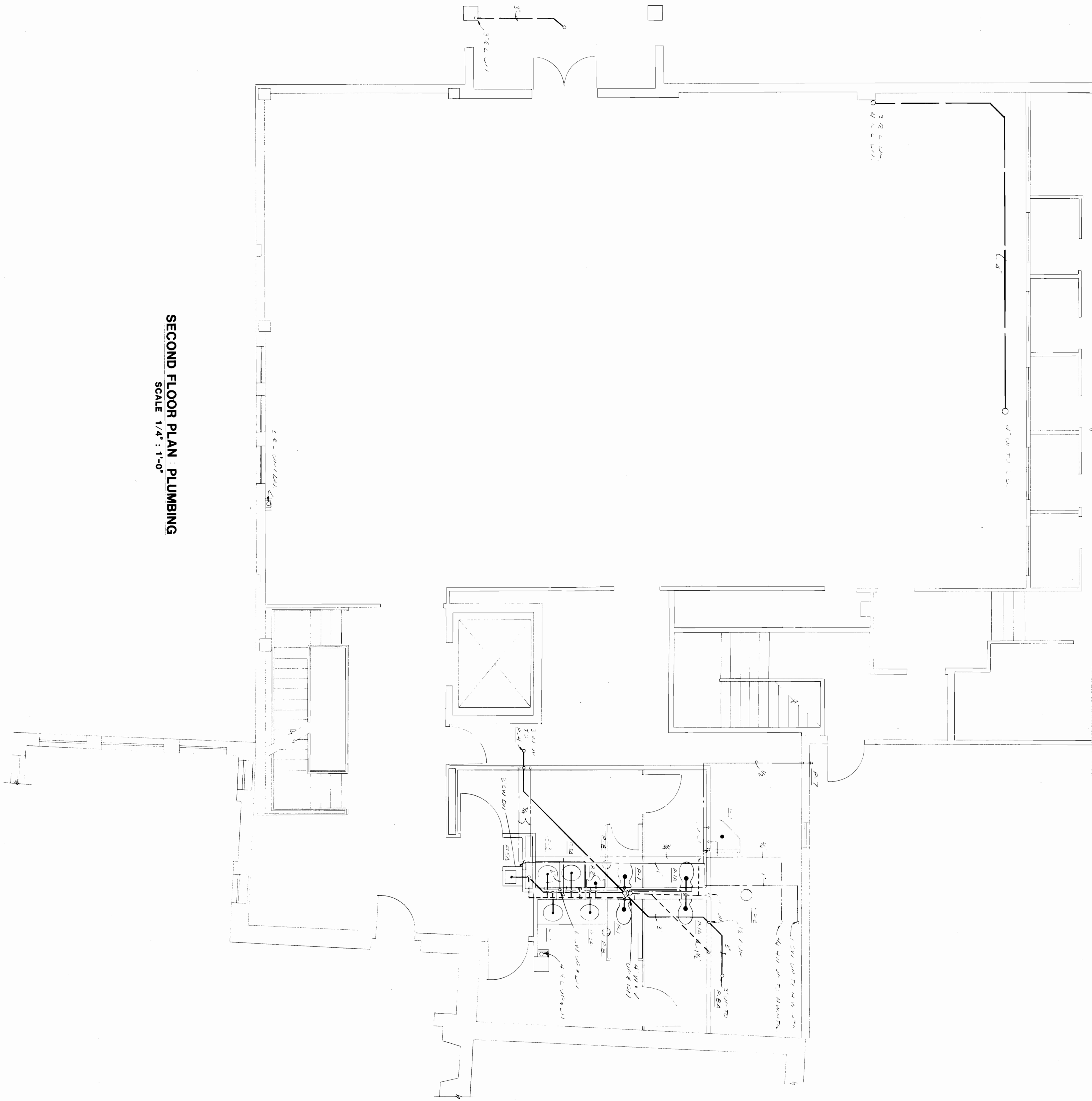
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PROJECT NO. NS
 DRAWN BY LFF
 CHECKED BY AS SHOWN
 DATE 6-25-86

REVISION
 1
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 3
 4
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E-5A



SECOND FLOOR PLAN - PLUMBING
 SCALE 1/4" = 1'-0"

PLUMBING

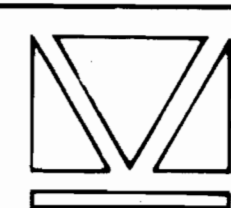
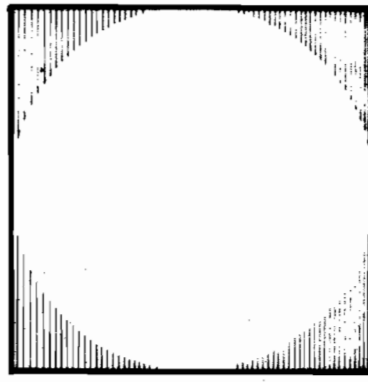
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Organization of American States
 INTER-AMERICAN DEFENCE BOARD BUILDING
 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

ANNEX
SECOND FLOOR PLAN

von OTTO & BILECKY, P.C.
 MECHANICAL/ELECTRICAL ENGINEERING
 GEORGETOWN BUILDING SUITE 314
 2233 WISCONSIN AVENUE, N.W.
 WASHINGTON, D.C. 20007
 TELEPHONE: (202) 333-2750

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M.K.M.
 P-2

5-20-84

THIRD FLOOR PLAN : PLUMBING
 SCALE 1/4" = 1'-0"



T,52A(43)

PLUMBING

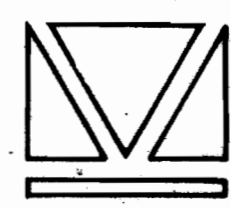
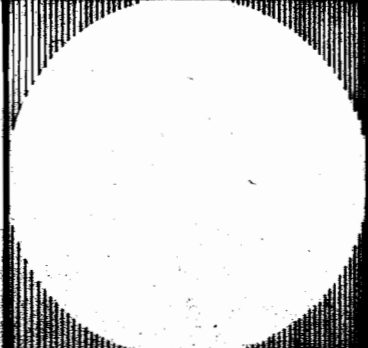
PROJECT NO. DRAWING NO. APPROVED DATE 5-20-86	Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.	von OTTO & BLECKY, P.C. MECHANICAL/ELECTRICAL ENGINEERING GEORGETOWN BUILDING SUITE 304 3233 WISCONSIN AVENUE, N.W. WASHINGTON, D.C. 20007 TELEPHONE: (202) 332-2700	ASST. SECRETARY FOR MGT. DIR. OF DEPT. OF MATERIAL RESOURCES OAS ARCHITECT		THE M.K.M. PARTNERSHIP ARCHITECTURE • INTERIOR DESIGN 2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 223-6108
	SHEET TITLE ANNEX THIRD FLOOR PLAN	P-3			



FOURTH FLOOR PLAN : PLUMBING
SCALE 1/4" = 1'-0"

PLUMBING

I, 52AC(44)

PROJECT NO. DRAWN BY APPROVED SCALE DATE REVISION DATE	Organization of American States INTER-AMERICAN DEFENCE BOARD BUILDING 2600 SIXTEENTH STREET, N.W., WASHINGTON, D.C.	von OTTO & BLECKY, P.C. MECHANICAL/ELECTRICAL ENGINEERING GEORGETOWN BUILDING SITE 304 2233 WISCONSIN AVENUE, N.W. WASHINGTON, D.C. 20007 TELEPHONE: 202-332-2750	ADJ. SECRETARY FOR MDT OFFICE OF DEPT. OF MATERIAL RESOURCES OAS ARCHITECT	 THE M.K.M. PARTNERSHIP ARCHITECTURE • INTERIOR DESIGN 2025 EYE STREET, N.W. WASHINGTON, D.C. 20006 TEL. (202) 223-6108
	SHEET TITLE ANNEX FOURTH FLOOR PLAN			

P-4

