

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY



SECTION FA11 SHADY GROVE ROUTE

1A3111

BETHESDA STATION

SEPTEMBER, 1980

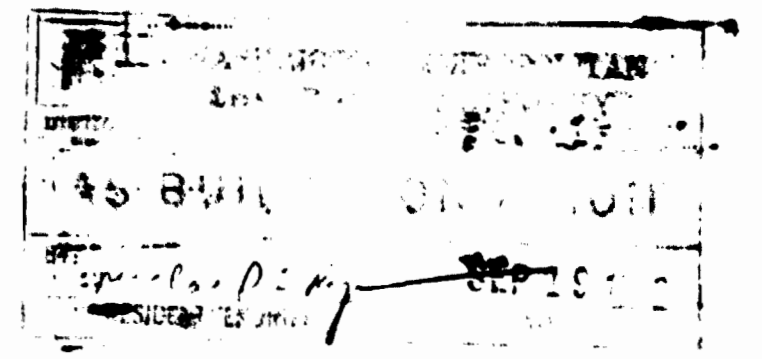
A. A. MATHEWS, INC.

CHATELAIN SAMPERTON AND CARCATERRA

BEALL AND LEMAY

ENGINEERS AND ARCHITECTS

SECTION DESIGNER



HARRY WEESE & ASSOCIATES

GENERAL ARCHITECTURAL CONSULTANT

DE LEUW CATHER & COMPANY

GENERAL ENGINEERING CONSULTANT

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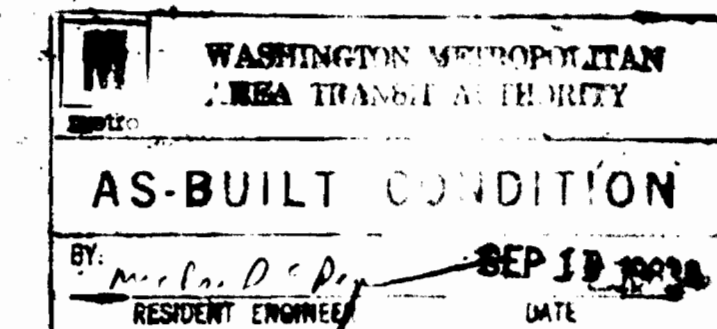
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D.K. BOLINO	2-25-80			15SEP80	DKB	REVISED DRAWINGS
D.K. BOLINO	2-26-80			25SEP80	MFC	REVISED INDEX
E.L. BURNETT	2-27-80					
J. O'Brien	8-14-70					



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SECTION DESIGNER

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HARRY WEESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE *8-14-80*

APPROVED *[Signature]*

**ROCKVILLE ROUTE
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NONE	FA11-G-1 M334-1

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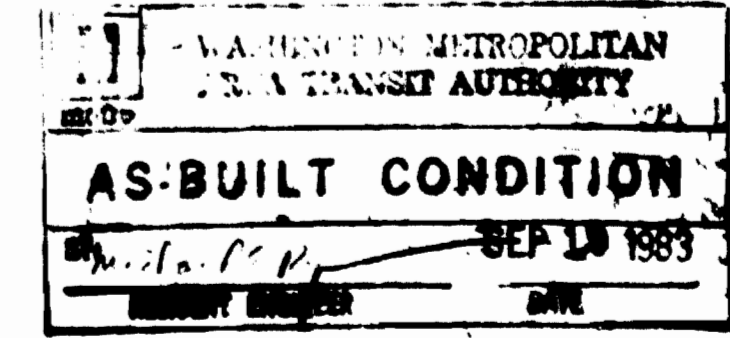
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DESIGNED D.K. BOLINO 2-25-80 DRAWN D.K. BOLINO 2-26-80 CHECKED E.L. BURNETT 2-27-80 APPROVED <i>[Signature]</i> 2-14-80	REFERENCE DRAWINGS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NUMBER</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	NUMBER	DESCRIPTION							REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>15SEP80</td> <td>DKB</td> <td>REVISED DRAWINGS</td> </tr> <tr> <td>25SEP80</td> <td>MFC</td> <td>REVISED INDEX</td> </tr> <tr> <td>6/22/83</td> <td>HTN</td> <td>DWGS ADDED PER PCD-39, AS-BUILT</td> </tr> </tbody> </table>	DATE	BY	DESCRIPTION	15SEP80	DKB	REVISED DRAWINGS	25SEP80	MFC	REVISED INDEX	6/22/83	HTN	DWGS ADDED PER PCD-39, AS-BUILT	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER SUBMITTED <i>[Signature]</i> DATE 8-14-80	DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEISE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT APPROVED <i>[Signature]</i>	ROCKVILLE ROUTE INDEX OF DRAWINGS SCALE NONE DRAWING NO. FA11-G-2 M334-2
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WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 AS-BUILT CONDITION
 BY *[Signature]* DATE SEP-29 1983

DESIGNED D.K. BOLING 2-22-80
 DRAWN D.K. BOLING 2-25-80
 CHECKED E.L. BURNETT 2-27-80
 APPROVED *[Signature]* 2-17-80

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
		15SEP80	DKB	REVISED DRAWINGS
		25SEP80	MFC	REVISED INDEX



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 GENERAL ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHAR & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEISSE & ASSOCIATES
 GENERAL ARCHITECTURE CONSULTANT

SUBMITTED *[Signature]* DATE 8-14-80 APPROVED *[Signature]*

ROCKVILLE ROUTE

INDEX OF DRAWINGS

SCALE NONE DRAWING NO. FA11-G-3 DRAWING NO. M334-3

GENERAL INFORMATION

<input checked="" type="checkbox"/>	FA11-G-1	M334-1
<input checked="" type="checkbox"/>	FA11-G-2	M334-2
<input checked="" type="checkbox"/>	FA11-G-3	M334-3
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<input checked="" type="checkbox"/>	FA11-G-5	M334-5
	FA11-G-7	M334-6
	FA11-G-8	M334-7
<input checked="" type="checkbox"/>	FA11-G-9	M334-8

HORIZONTAL AND VERTICAL CONTROL

	FA11-C-1	M334-12
	FA11-C-2	M334-13
	FA11-C-3	M334-14

RIGHT OF WAY

	FA11-R-1	M334-15
<input checked="" type="checkbox"/>	FA11-R-2	M334-16

SURVEY PLOTS

	FA11-SP-1	M334-17
	FA11-SP-3	M334-18
	FA11-SP-4	M334-19
	FA11-SP-5	M334-20

COMPOSITE UTILITIES

	FA11-U-2	M334-22
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RESTORATION

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STRUCTURAL

	FA11-S-1	M334-24
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	FA11-S-100	M334-23
	FA11-S-101	M334-26
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	FA11-S-105	M334-30
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STRUCTURAL (CONTINUED)

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	FA11-S-114	M334-39
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ARCHITECTURAL

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	FA11-A-137	M334-71
	FA11-A-237	M334-72

MECHANICAL

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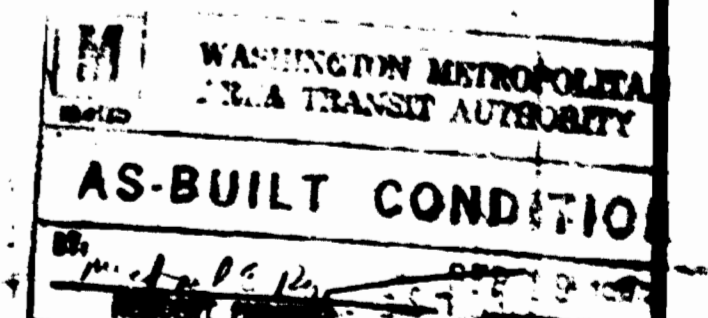
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ELECTRICAL

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	FA11-E-2	M334-150
	FA11-E-3	M334-151
	FA11-E-4	M334-152
	FA11-E-5	M334-153

ELECTRICAL (CONTINUED)

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<input checked="" type="checkbox"/>	FA11-E-42	M334-191



DESIGNED <u>D.K. BOLINO</u> 2-23-80 DATE DRAWN <u>D.K. BOLINO</u> 2-23-80 DATE CHECKED <u>E.L. BURNETT</u> 2-27-80 DATE APPROVED <u>[Signature]</u> 2-14-80 DATE	REFERENCE DRAWINGS NUMBER DESCRIPTION _____ _____ _____	REVISIONS DATE BY DESCRIPTION 1/25/80 DKB REVISED DRAWINGS 2/25/80 MFC REVISED INDEX 6/22/83 HTN DWG ADDED PER PCO-39, AS BUILT	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER SUBMITTED <u>[Signature]</u> DATE <u>2-14-80</u>	DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEISSE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT APPROVED <u>[Signature]</u>	ROCKVILLE ROUTE CROSS INDEX SCALE NONE	DRAWING NO. FA11-G-4	M334-4
	STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION PUBLIC SAFETY DIVISION				AS-BUILT CONDITION		

ELECTRICAL (CONTINUED)

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STANDARD DRAWINGS
GENERAL INFORMATION

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	ST-U-17	N334-10
	ST-U-67	N334-11
	<u>COMPOSITE UTILITIES</u>	
	ST-U-14	N334-21

ARCHITECTURAL

	ST-A-13	N334-82
	ST-A-15	N334-83
	ST-A-24	N334-84
	ST-A-39	N334-85
<input checked="" type="checkbox"/>	ST-A-42	N334-86
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MECHANICAL

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	ST-M-48	N334-136
	ST-M-50	N334-137
	ST-M-53	N334-138
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	ST-M-83	N334-140
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ELECTRICAL

ST-E-14	N334-220
ST-E-16	N334-221
ST-E-17	N334-222
ST-E-301	N334-223
ST-E-302	N334-224

TRAIN CONTROL

ST-TC-3	N334-225
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WASHINGTON METROPOLITAN
AREA TRANSIT AUTHORITY

AS-BUILT CONDITION

BY: *Michael K. Ray* SEP 14 1983
REVISION ENGINEER DATE

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN D.K. BOLINO	8-23-80			15SEP80	DKB	REVISED DRAWINGS
CHECKED E.L. BURNETT	8-26-80			25SEP80	MFC	REVISED INDEX
APPROVED <i>J. M. K...</i>	8-26-80			6/22/83	HTN	DWG ADDED PER PCO-39, AS-BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT
HARRY WEERE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

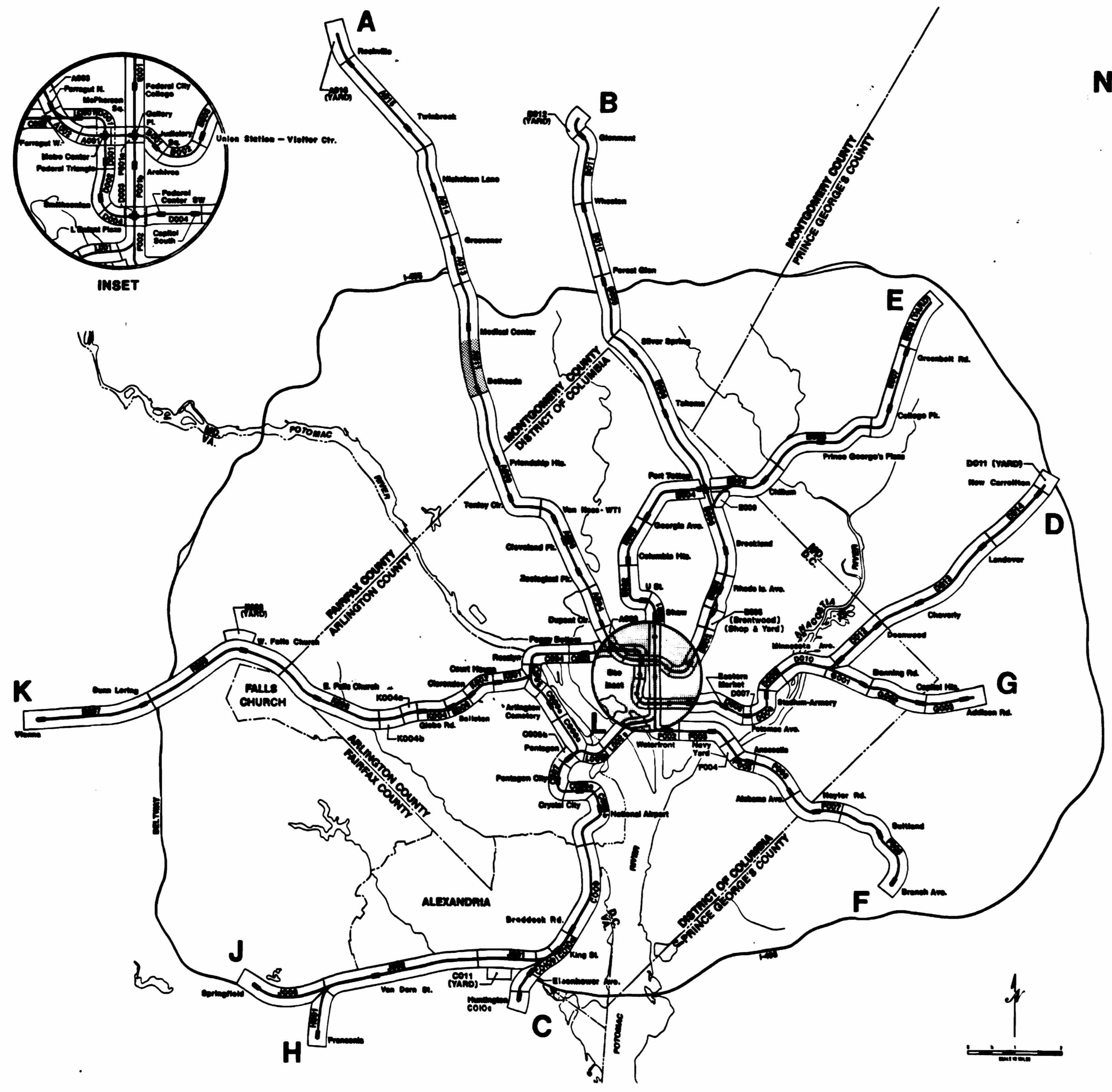
SUBMITTED *ASB* DATE 8-14-80

APPROVED *J. M. K...*

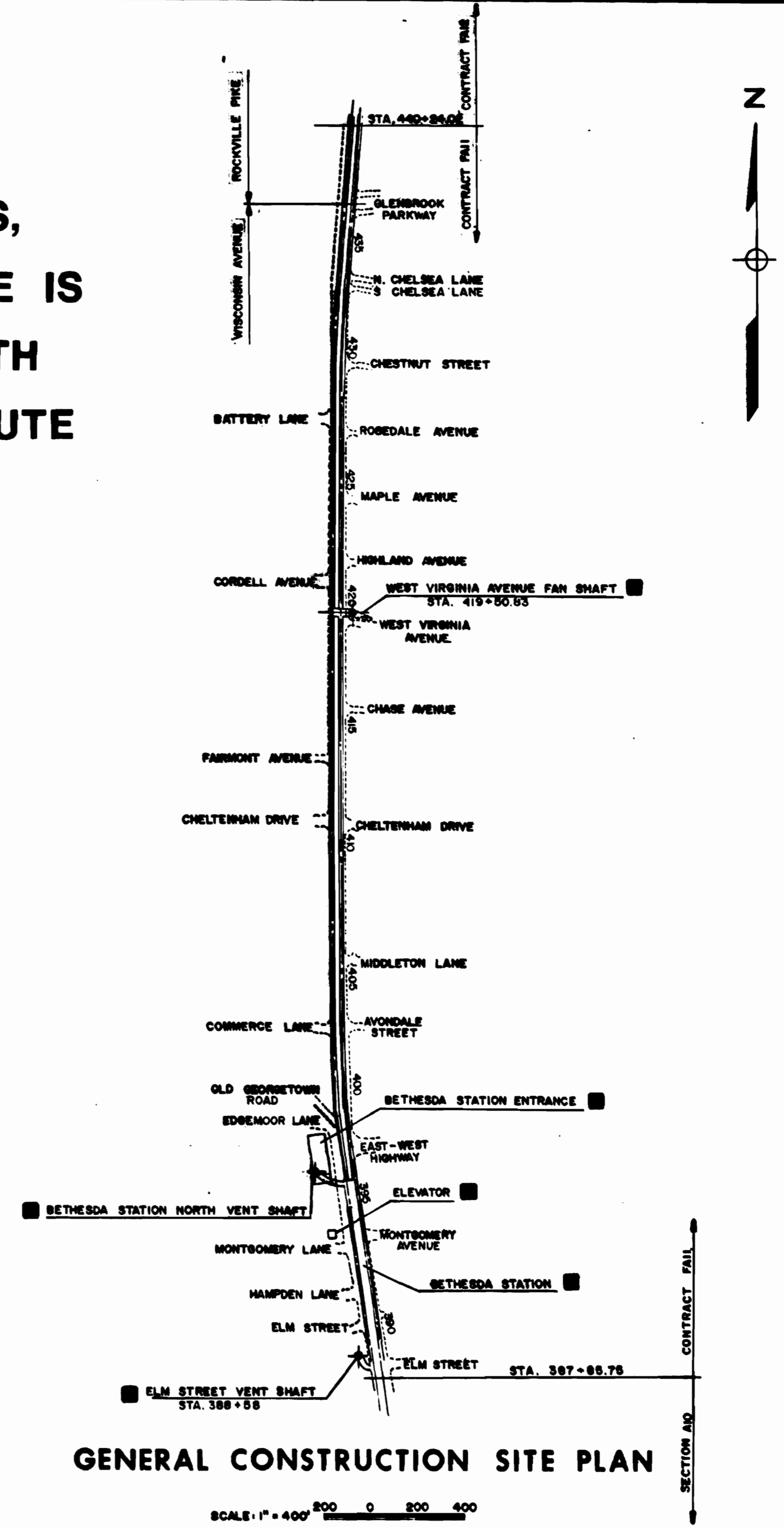
ROCKVILLE ROUTE
CROSS INDEX

SCALE	DRAWING NO.	
NONE	FA11-G-5	M334-5

NOTE
ON ALL DRAWINGS,
ROCKVILLE ROUTE IS
SYNONYMOUS WITH
SHADY GROVE ROUTE



KEY PLAN OF SYSTEM



GENERAL CONSTRUCTION SITE PLAN

- LEGEND:**
- RAPID TRANSIT LINE
 - RAPID TRANSIT STATION
 - INCLUDED IN THIS CONTRACT
 - FINISH WORK SITE. SEE NOTE.

NOTE: 1. THIS CONTRACT ALSO INCLUDES MECHANICAL AND ELECTRICAL WORK FOR ENTIRE LENGTH OF THE TUNNEL SECTION.

SCALE: 1" = 400'

DESIGNED A. B. WIEGAND 1-8-75
 DATE
 DRAWN J. L. BISHOP 1-9-75
 DATE
 CHECKED A. B. WIEGAND 1-15-75
 DATE
 APPROVED *[Signature]* 7-16-75
 DATE

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER
 DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT
 HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

CONTRACT DRAWINGS, FILE NOS. M334-1 TO M334-225
 APPROVED FOR CONSTRUCTION 8/21/80
 ASSISTANT GENERAL MANAGER
 DESIGN AND CONSTRUCTION
 WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

**KEY PLAN OF SYSTEM AND
 GENERAL CONSTRUCTION SITE PLAN**
 SECTION NO. FA II

SCALE AS SHOWN DRAWING NO. FAII-G-7 M334-6

ABBREVIATIONS - GENERAL

AMB.	AHEAD	Z	PERCENTAGE (RATE OF GRADE)
A.R.E.A.	AMERICAN RAILWAY ENGINEERING ASSOCIATION	P.S.	POINT OF SWITCH
ASPH.	ASPHALT	PROP.	PROPOSED
BK.	BACK	R.O.W.	RIGHT OF WAY
B. & O.	BALTIMORE AND OHIO	RTE. OR RT.	ROUTE
B	BASELINE OR BUILDING LINE	SECT.	SECTION
BSMT.	BASEMENT	SPHP	STEEL PIPE, HIGH PRESSURE
B.P.	BENCHMARK	SPMHP	STEEL PIPE, WRAPPED, HIGH PRESSURE
BLK.	BLOCK	STD.	STANDARD
B.C.	BOTTOM OF CURB	STA.	STATION
C	CENTERLINE	STY.	STORY
CONC.	CONCRETE	ST.	STREET
CONST.	CONSTRUCTION	TAN.	TANGENT
DIA.	DIAMETER	T.C.	TOP OF CURB
ELEC.	ELECTRICAL	T/R	TOP OF RAIL
EL.	ELEVATION	TRK.	TRACK
EQU.	EQUATION	TYP.	TYPICAL
EXIST. OR EX.	EXISTING	U.S.C. & G.S.	U.S. COAST & GEODETIC SURVEY
HDM.	HEADWALL	VERT.	VERTICAL
HORIZ.	HORIZONTAL	M.M.A.T.A.	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
I.P.	INBOUND	W/	WITH
INV.	INVERT	W/O	WITHOUT

ABBREVIATIONS AND SYMBOLS - HORIZONTAL ALIGNMENT

P.O.C.	POINT OF CIRCULAR CURVE	P.I.	POINT OF INTERSECTION OF MAIN TANGENTS
P.O.T.	POINT ON TANGENT	P.I.C.	POINT OF INTERSECTION OF CIRCULAR CURVE
I	TOTAL INTERSECTION ANGLE	P.I.S.	POINT OF INTERSECTION OF SPIRAL CURVE
	CENTRAL ANGLE OF CIRCULAR CURVE	P.C.	POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE
R	RADIUS OF CIRCULAR CURVE	P.T.	POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT
T	TANGENT LENGTH OF CIRCULAR CURVE	X	TANGENT DISTANCE AT S.C. OR C.S.
L	LENGTH OF CIRCULAR CURVE	Y	TANGENT OFFSET AT S.C. OR C.S.
E	EXTERNAL DISTANCE	Ts	TANGENT DISTANCE FROM T.S. OR S.T. TO MAIN P.I.
S.E.(Ea)	SUPERELEVATION (ACTUAL)	P	OFFSET FROM THE INITIAL TANGENT TO THE P.C. OF THE SHIFTED CIRCLE
S.E.(Eo)	SUPERELEVATION (UNBALANCED)	K	APSCISSA OF THE SHIFTED P.C. REFERRED TO THE T.S.
Ls	TOTAL LENGTH OF SPIRAL	L.T.	LONG TANGENT
Os	CENTRAL ANGLE OF SPIRAL	S.T.	SHORT TANGENT
T.S.	POINT OF CHANGE FROM TANGENT TO SPIRAL	L.C.	LONG CHORD
S.C.	POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE	Dc	DEGREE OF CURVE (ARC DEFINITION)
C.S.	POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL	P.C.C.	POINT OF COMPOUND CURVE
S.T.	POINT OF CHANGE FROM SPIRAL TO TANGENT	P.R.C.	POINT OF REVERSE CURVE
P.I.T.O.	POINT OF INTERSECTION OF TURNOUT		

SYMBOLS

	SYMBOL (LABEL SIGNS, MAILBOXES, ETC.)
	FENCE (LABEL TYPE)
	FENCE ON WALL
	PIPE RAIL FENCE
	GUARD RAILS WITH STEEL SIDES
	RETAINING WALL
	CURB LINE
	HEDGE
	TREE
	TREELINE
	CULVERT
	STREAM OR SHORELINE
	BUILDING OUTLINE
	POINT OF INTERSECTION - MAIN TANGENTS
	NUMBER - POINT OF INTERSECTION MAIN TANGENT
	HORIZONTAL AND VERTICAL CONTROL POINT
	ROCK LINE
	GROUND LINE
	EQUATION POINT

GENERAL NOTES

- TOP OF RAIL ELEVATIONS AS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY, TRACKWORK IS NOT PART OF THIS WORK.
- FOR ADDITIONAL ABBREVIATIONS AND NOTES, SEE UTILITY STANDARD Dwg. NO. ST-U-14 AND STRUCTURAL Dwg. NO. S-102.
- THE RELATIONSHIP BETWEEN U.S.C. & G.S. DATUM AND THE VARIOUS DATUM PLANE COMMON TO THE WASHINGTON, D. C. AREA ARE AS FOLLOWS:

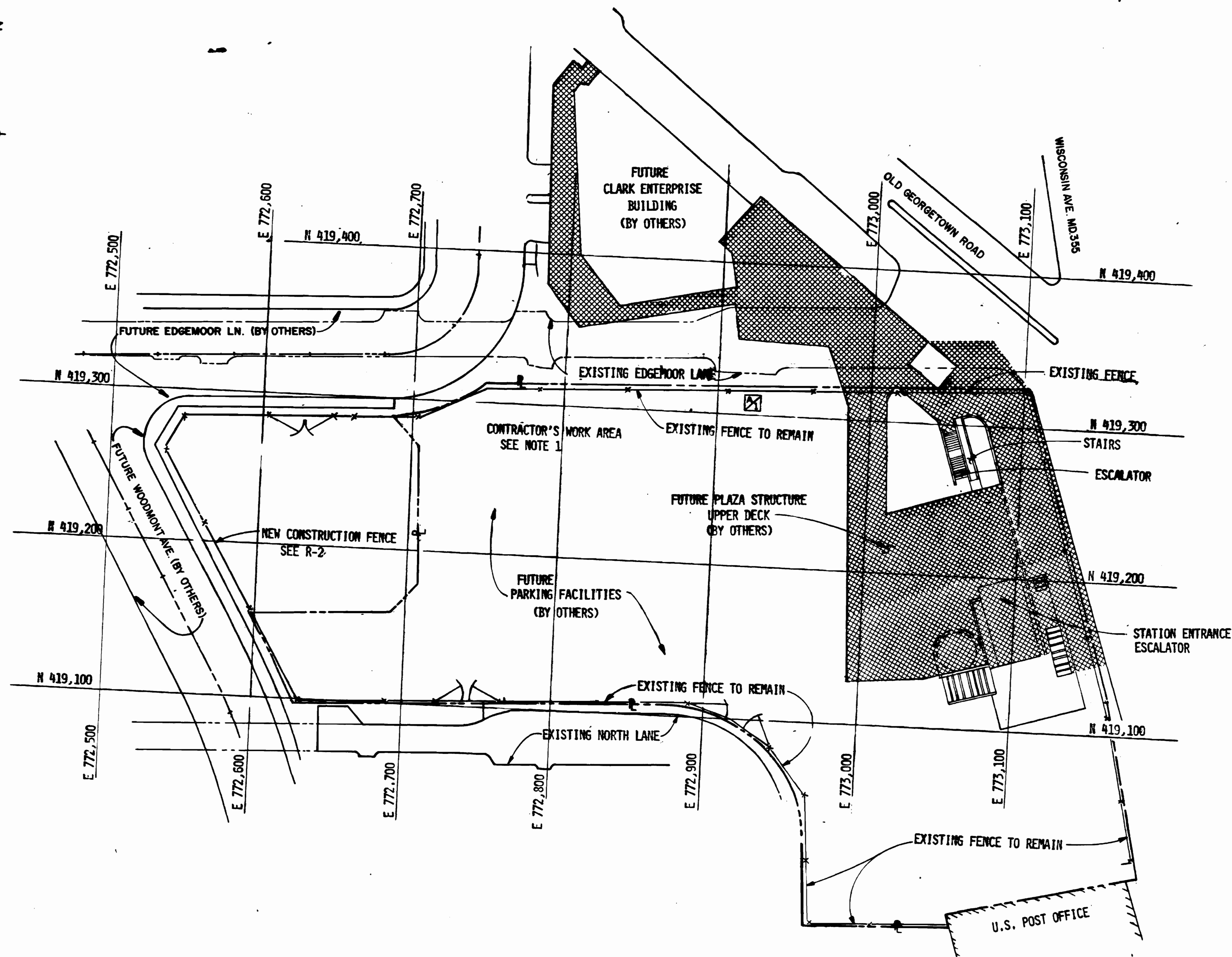
	ELEVATION RELATIVE TO PROJECT DATUM (FEET)	
ABOVE PROJECT DATUM	0.94	WASHINGTON AQUEDUCT AND FILTRATION PLANTS (P.A.D.)
	0.70	DISTRICT OF COLUMBIA ENGINEERING DEPARTMENT POTOMAC ELECTRIC POWER COMPANY WASHINGTON GAS LIGHT COMPANY C & P TELEPHONE COMPANY D. C. ENGINEERING DEPARTMENT
	0.57	PENNSYLVANIA RAILROAD
	—0.00—	PROJECT DATUM = SEA LEVEL DATUM (1929 GENERAL ADJUSTMENT)
BELOW PROJECT DATUM		U.S. COAST AND GEODETIC SURVEY U.S. GEOLOGICAL SURVEY NAVAL RESEARCH LABORATORY (BELLEVUE) R.F. & P. RAILROAD B & O RAILROAD (ALEXANDRIA BRANCH) ARLINGTON COUNTY
	0.15	SEA LEVEL DATUM (1912 GENERAL ADJUSTMENT) WASHINGTON SUBURBAN SANITARY COMMISSION MONTGOMERY COUNTY
	1.41	LOW WATER DATUM - WASHINGTON HARBOR (L.W.D.) BALTIMORE DISTRICT, CORPS OF ENGINEERS (EXCEPT WASHINGTON AQUEDUCT) NATIONAL PARK SERVICE PUBLIC ROADS ADMINISTRATION WASHINGTON NATIONAL AIRPORT
	1.63	BULLING AIR FORCE BASE
	4.50	NAVAL GUN FACTORY
	4.70	ANACOSTIA NAVAL AIR STATION


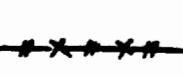
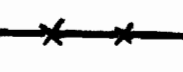
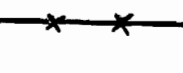
NOTE:
ALL REFERENCES USING THE TERM "ROCKVILLE ROUTE" ON THESE DRAWINGS SHALL BE INTERPRETED TO MEAN "SHADY GROVE ROUTE"

NOTE: THE WASHINGTON SUBURBAN SANITARY COMMISSION AND MONTGOMERY COUNTY ALSO USE SEA LEVEL DATUM (1929 GENERAL ADJUSTMENT) IN SOME AREAS.

4. STATIONING SHOWN ON THE DRAWINGS ARE ALONG CENTER LINES OF OUTBOUND AND INBOUND TRACKS.

DESIGNED A.B. WESAND 8-11-76 DRAWN J.A.D. KEELY 8-16-76 CHECKED E.L. BURNETT 8-17-76 APPROVED <i>[Signature]</i> 8-17-76	<table border="1"> <thead> <tr> <th colspan="2">REFERENCE DRAWINGS</th> <th colspan="2">REVISIONS</th> </tr> <tr> <th>NUMBER</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REFERENCE DRAWINGS		REVISIONS		NUMBER	DESCRIPTION	DATE	BY										WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER SUBMITTED <i>[Signature]</i> DATE 8-17-76	DE LEJW. CATHIER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WESBE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT <input type="checkbox"/> <input type="checkbox"/>	ROCKVILLE ROUTE GENERAL NOTES, ABBREVIATIONS AND SYMBOLS NOT TO SCALE FALL-G-8 M334-7
REFERENCE DRAWINGS		REVISIONS																			
NUMBER	DESCRIPTION	DATE	BY																		



- LEGEND:**
-  FUTURE PLAZA STRUCTURE UPPER DECK BY OTHERS.
 -  EXISTING FENCE TO BE REMOVED
 -  NEW CONSTRUCTION FENCE
 -  CONSTRUCTION FENCE TO REMAIN

NOTE:
 1. THE FALL CONTRACTOR'S WORK AREA WILL BE SHARED WITH THE ALLIANCE CONTRACTOR, THE CONTRACTOR FOR THE PLAZA STRUCTURE, AND STAGING CONTRACTORS.

WASHINGTON METROPOLITAN
 AREA TRANSIT AUTHORITY
 AS BUILT CONDITION
 BY: *Michael P. Kane* SEP 18 1983
 RESIDENT ENGINEER DATE

DESIGNED	D.K. BOLINO	11-8-79
DRAWN	D.K. BOLINO	11-7-79
CHECKED	E.L. BURNETT	11-8-79
APPROVED	<i>John P. Bolino</i>	11-10-79

NUMBER	DESCRIPTION	DATE	BY
R-2	RIGHT OF WAY	11-7-79	DKB
SP-3, 4, 5	SURVEY PLOTS	10-9-80	WTL

DATE	BY	DESCRIPTION
11-7-79	DKB	REVISED FENCE LOCATION
10-9-80	WTL	REVISED CONST. AREA FOR PLAZA DEVELOPMENT PER PEO-41, 42, 43



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY


MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHEN & COMPANY
 GENERAL ENGINEERING CONSULTANT

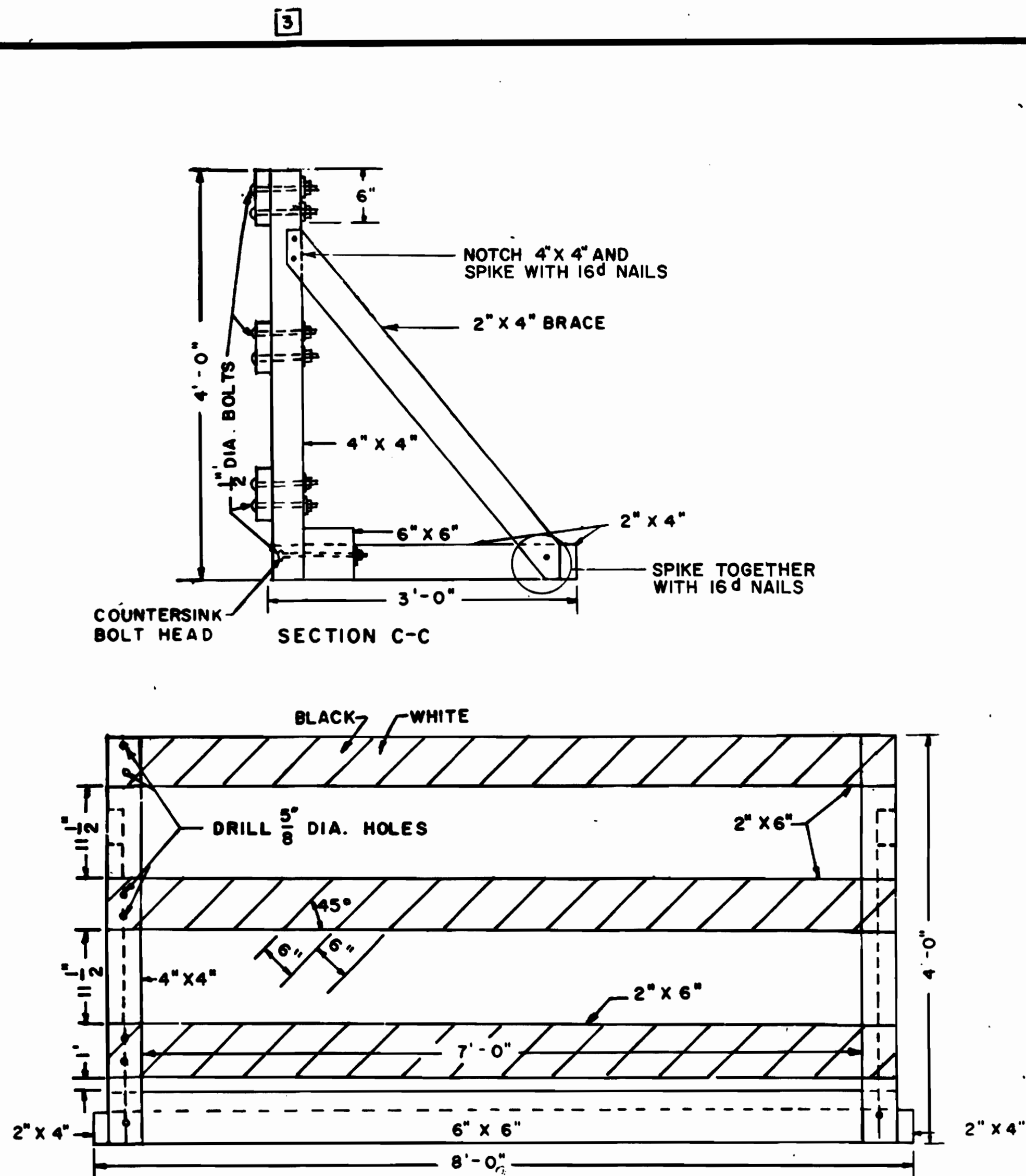
HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: *AP Bolino* DATE: 8-14-80 APPROVED: *Paul J. Bolino*

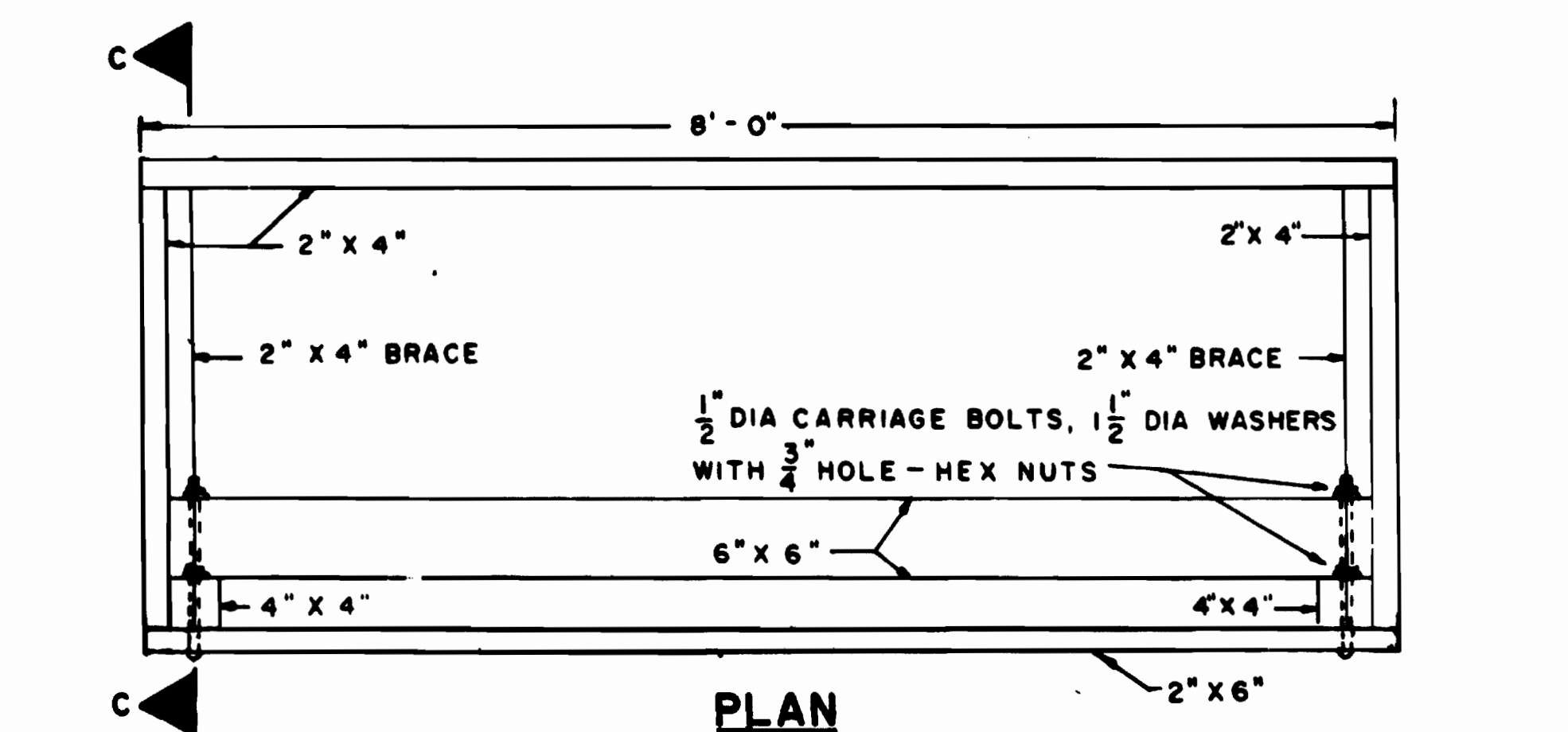
**ROCKVILLE ROUTE
 BETHESDA STATION
 WORK AREA PLAN**

SCALE: 1" = 40' 

DRAWING NO. **FALL-G-9** M334-8



FRONT ELEVATION

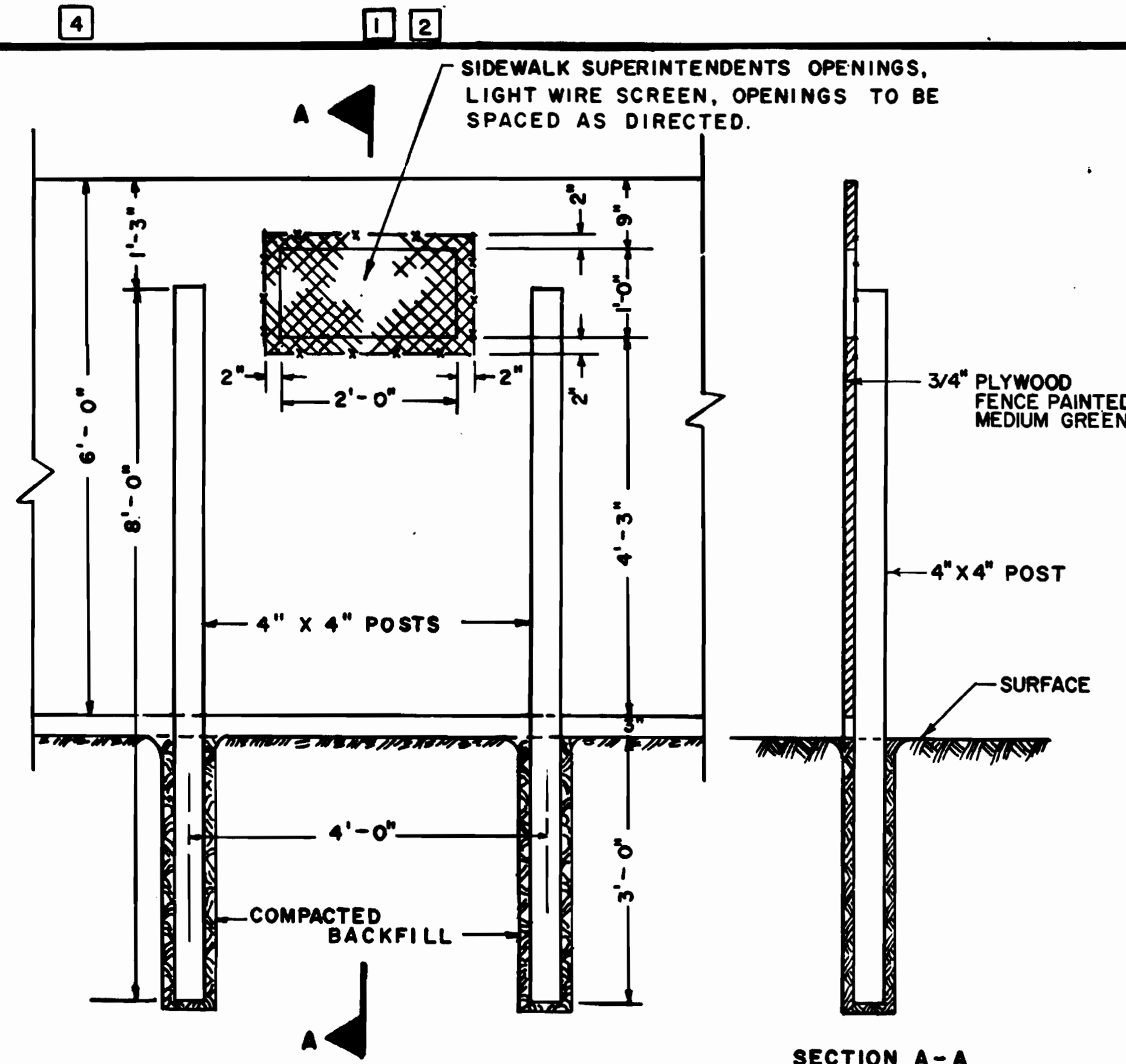


PLAN

DETAIL 1

TYPICAL MOVABLE BARRICADE FOR NON-VEHICLE AREAS

SCALE: 1" = 1'-0"



REAR ELEVATION

SECTION A-A

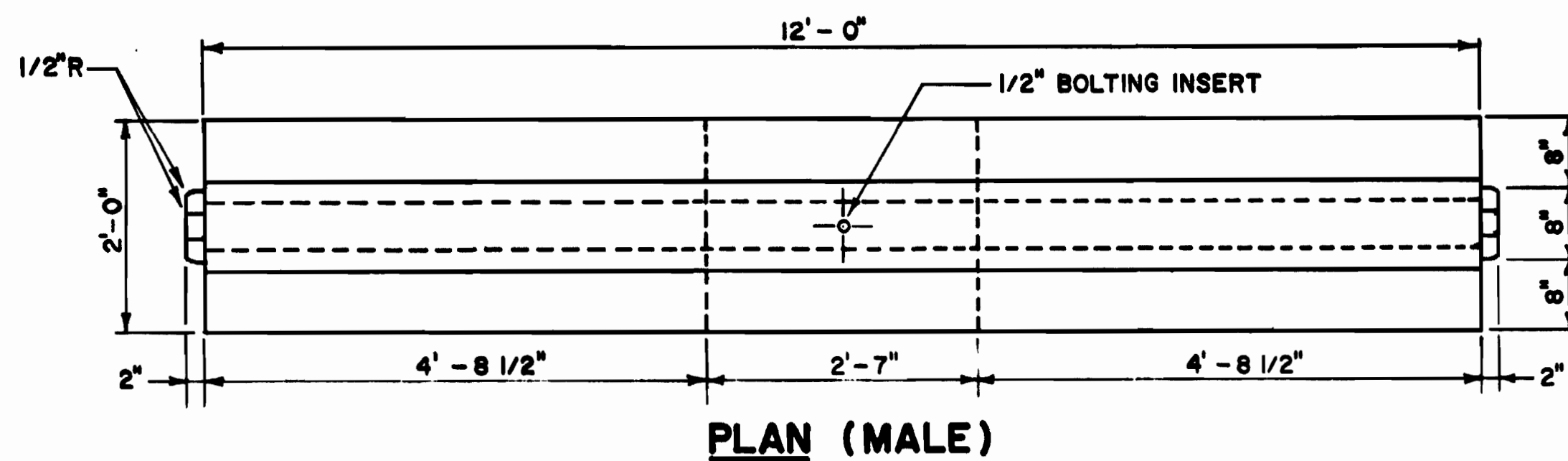
DETAIL 2

TYPICAL WORKING AREA WOODEN FENCE

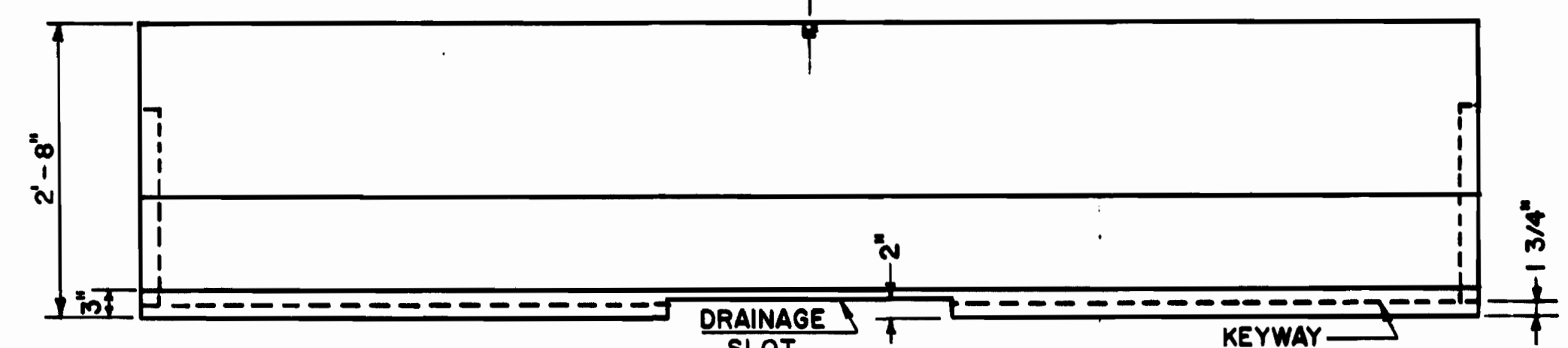
(OTHER DESIGNS OF EQUAL STRENGTH MAY BE USED SUBJECT TO PRIOR APPROVAL)

SCALE: 3/4" = 1'-0"

1 2



PLAN (MALE)



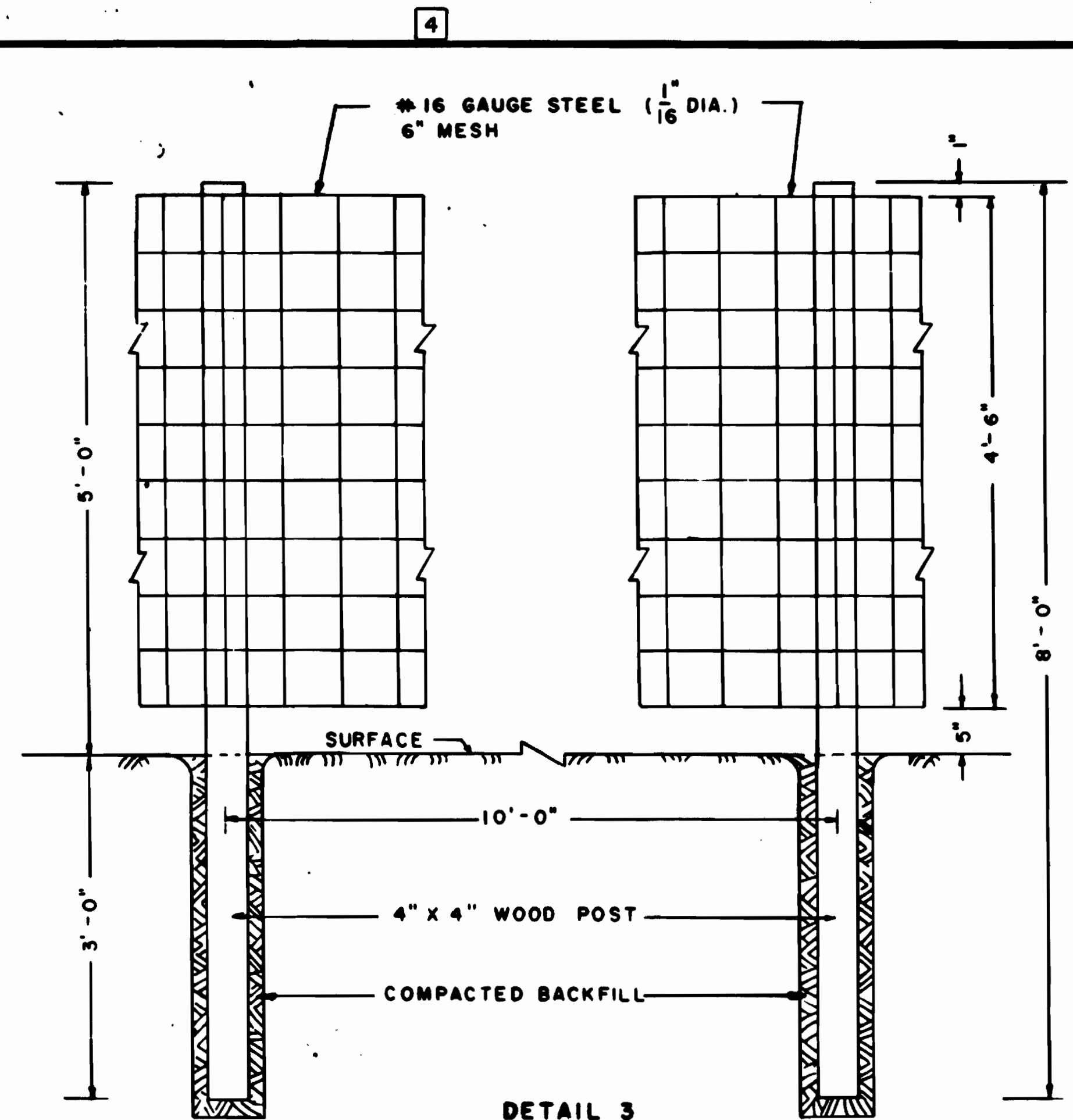
ELEVATION (FEMALE)

DETAIL 4

TYPICAL TEMPORARY PRECAST CONCRETE VEHICLE BARRIER

SCALE: 3/4" = 1'-0"

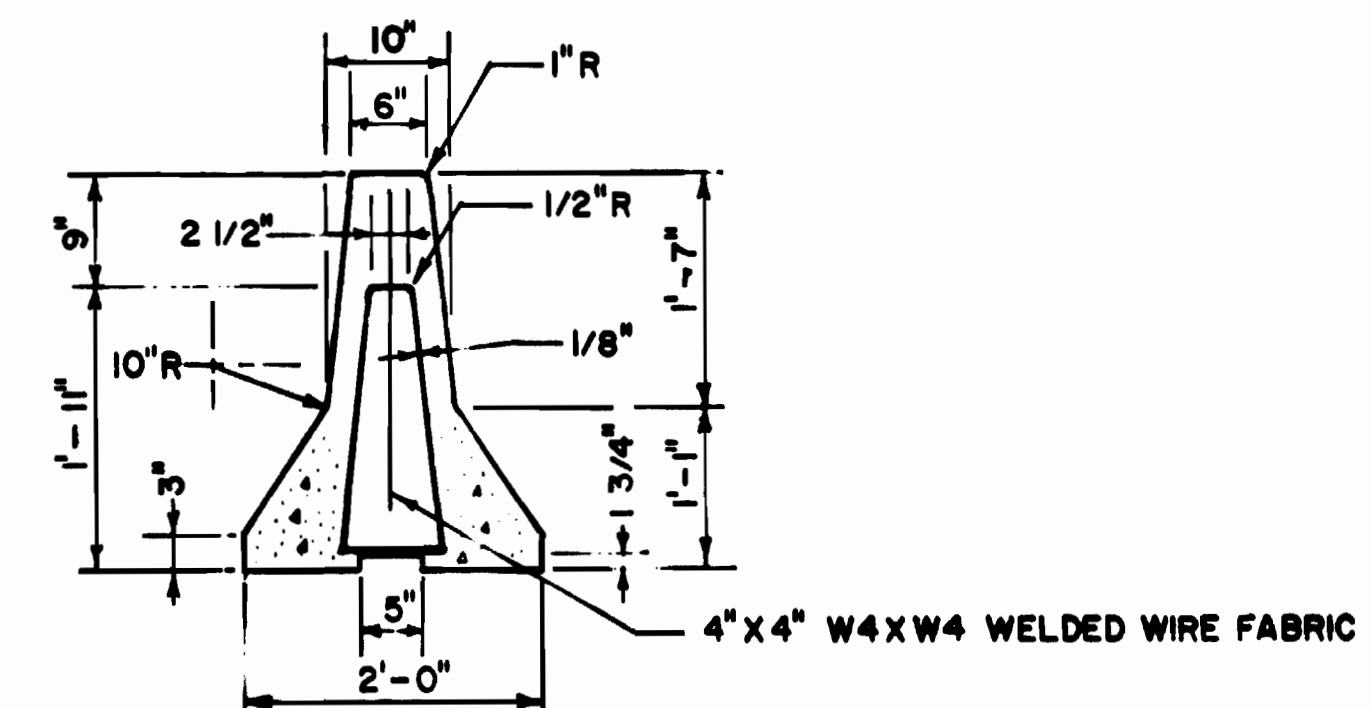
1 2



DETAIL 3

TYPICAL WORKING AREA WIRE FENCE

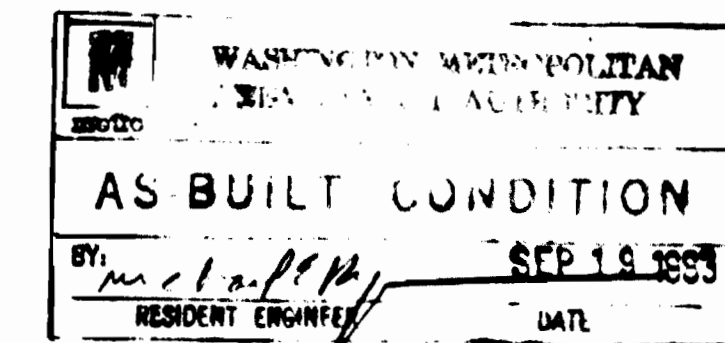
SCALE: 1" = 1'-0"



TYPICAL END VIEW

4 NOTE:

TEMPORARY VEHICLE "CHANNELIZATION" SHALL BE ACCOMPLISHED BY NON-WOODEN DEVICES (BARRICADES, CONES, PANELS AND DRUMS) AS INDICATED IN THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND SUBJECT TO APPROVAL BY THE LOCAL JURISDICTION.



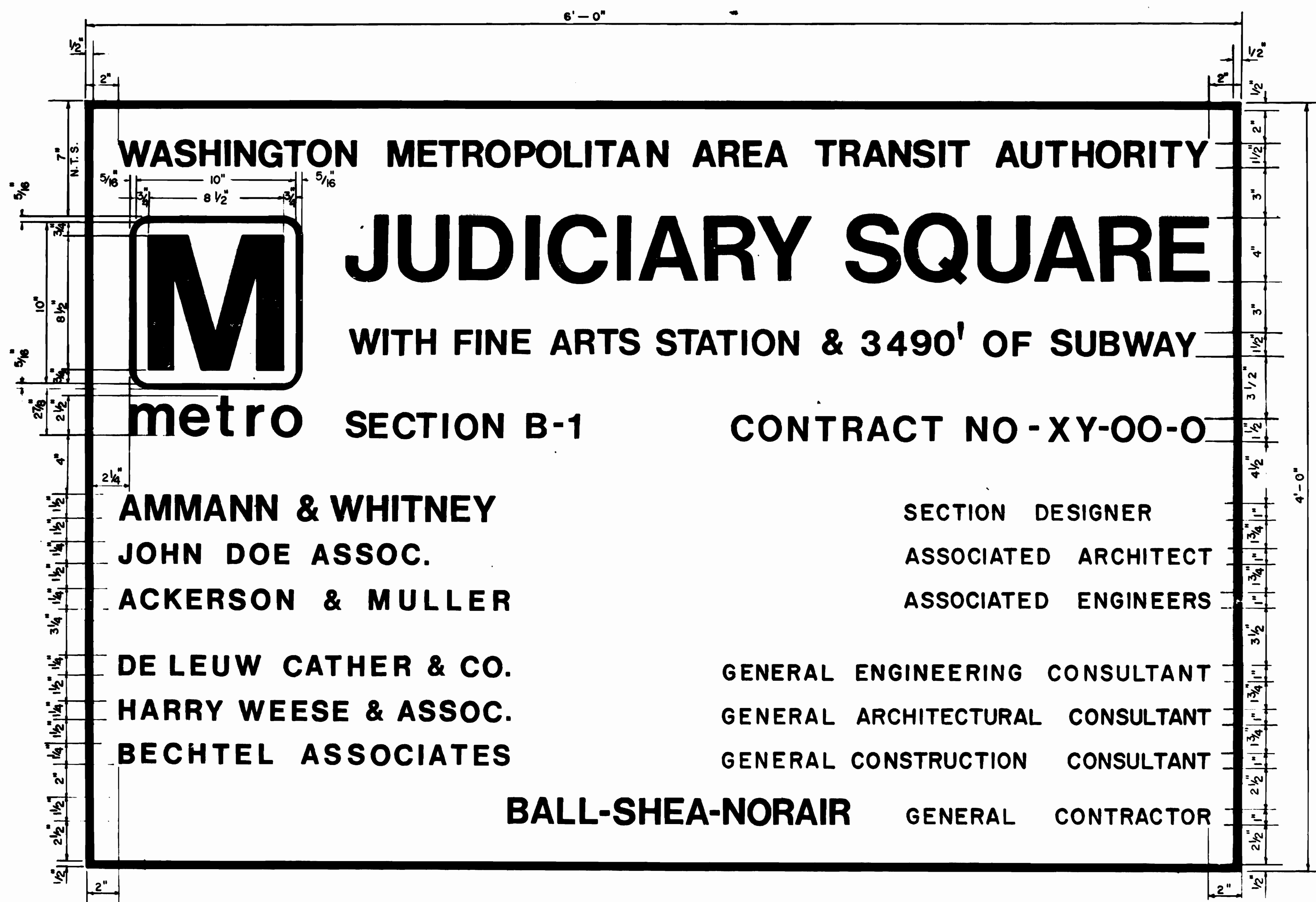
DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
0' CONMR	1-7-69				
DRAWN	HICKS/BUENO			7-10-68	1 REDESIGNED DETAIL 2
CHECKED	2-22-69			3-17-69	2 REDESIGNED DETAIL 2 & ADDED 6 BOLTS TO DETAIL 4
APPROVED	3-27-69			7-15-69	3 REDESIGNED DETAIL 1
				4-26-78	4 REVISED DETAIL 4 & ADDED NOTE



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

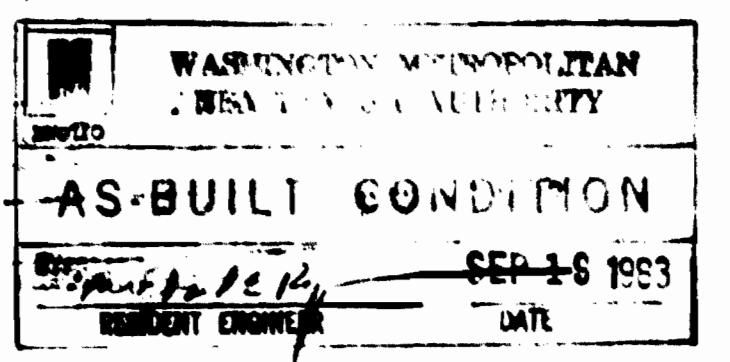
APPROVED *Harold H. Egan*
 DE LEUW, CATHAR & COMPANY
 GENERAL ENGINEERING CONSULTANT
 HARRY WESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT
 APPROVED *J.C. Conway*

UTILITY STANDARD DRAWING
 TEMPORARY BARRICADES AND FENCES
 SECTION NO. FAIL
 SCALE AS NOTED
 DRAWING NO. ST-U-13
 M334-9



NOTES:

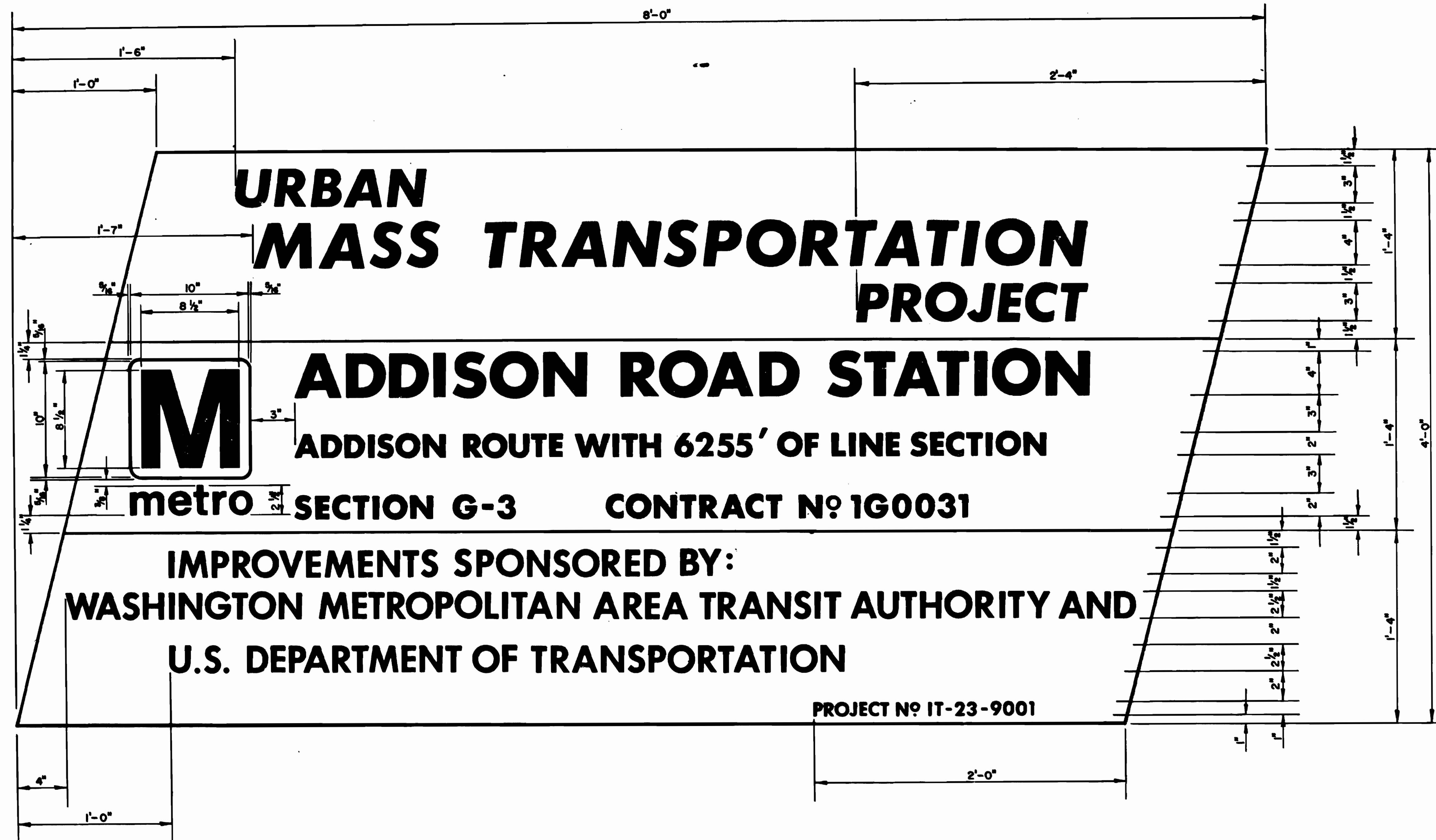
1. THE GENERAL CONTRACTOR SHALL PROVIDE TWO PROJECT SIGNS OF THE TYPE SHOWN AND SHALL ERECT THEM IN A LOCATION APPROVED BY THE AUTHORITY.
2. SIGN BACKING SHALL BE 3/4" PLYWOOD SUPPORTED ON 4" X 4" X 10'-0" POSTS SET 3'-0" IN GROUND OR IN AN APPROVED PLACE ON THE CONSTRUCTION FENCE.
3. SIGNS SHALL BE BLACK ON WHITE WITH BLACK BORDER. ALL LETTERING SHALL BE HELVETICA OR HELVETICA MEDIUM STYLE. WORDING SHALL CONFORM IN GENERAL TO THE ARRANGEMENT SHOWN.
4. EXACT WORDING OF PROJECT DESCRIPTION, SECTION NUMBER, CONTRACT NUMBER, AND NAMES OF THE SECTION DESIGNER AND ASSOCIATED ARCHITECTURAL AND ENGINEERING FIRMS SHALL BE AS FOLLOWS:
 - SIGN NO. 1 BETHESDA STATION FINISH SECTION FALL CONTRACT 1A3111
A.A. MATHEWS, INC.
CHATELAIN, SAMPERTON AND CARCATERRA
BEALL AND LEMAY
ENGINEERS AND ARCHITECTS
 - SIGN NO. 2 SAME AS SIGN NO. 1



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		UTILITY STANDARD DRAWING	
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	APPROVED	DATE	SCALE	DRAWING NO.
1		7-8-68			12/1/77	JK	REARRANGED TO ADD G.C.C.			3" = 1'-0"	ST-U-17
2		7-8-68			10/4/72		CORRECTED SPELLING-ARCHITECTURAL				M334-10
3					10/4/72		CHG. GEN. CONTRACTORS SAMPLE NAME				
4					2/27/74		REVISED TO CONFORM WITH STANDARD SPECS				
5					8/10/79		REARRANGED TO ADD, ASSOC. ARCH. & ENGRS.				



DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT
APPROVED: *J. A. Cogwood*

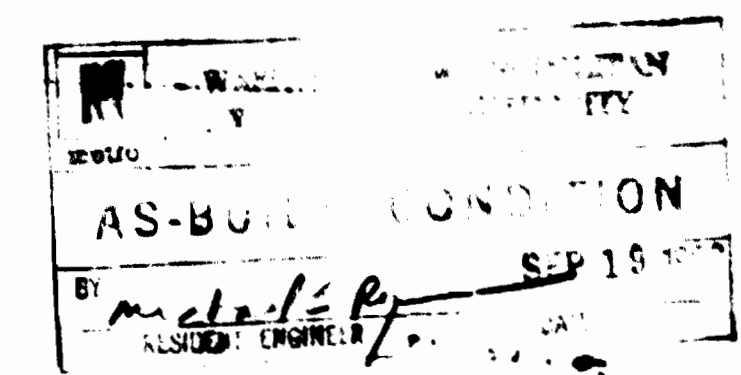



NOTES

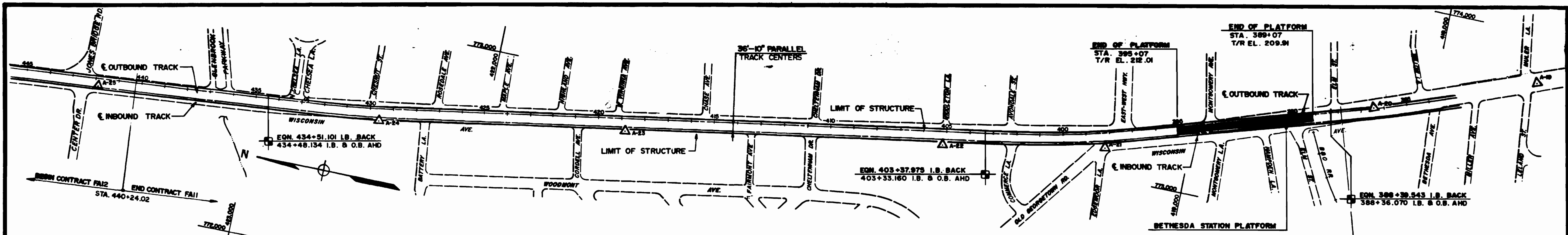
1. The General Contractor shall provide two project signs per station structure or line section, and shall erect them in a location approved by the Authority.
2. Signs are to be cut from 3/4" standard 4' X 8' exterior grade plywood sheets.
3. Signs shall be tri-color and wording shall conform in general to the arrangement shown as follows:
 - A. Top panel shall be white lettering on red background. All lettering shall be *Futura Bold Italic*.
 - B. Center Panel shall be blue lettering on white background. All lettering shall be Futura Bold.
 - C. Bottom panel shall be white lettering on blue background. All lettering shall be Futura Demibold.
4. No information shall be included on the project signs except that stipulated in note 5.
5. Exact wording of project description, section number, contract number and USDOT project number shall be as follows:

Sign 1: BETHESDA STATION FINISH
SHADY GROVE ROUTE
SECTION FALL CONTRACT 1A3111
PROJECT NO. IT-23-9003

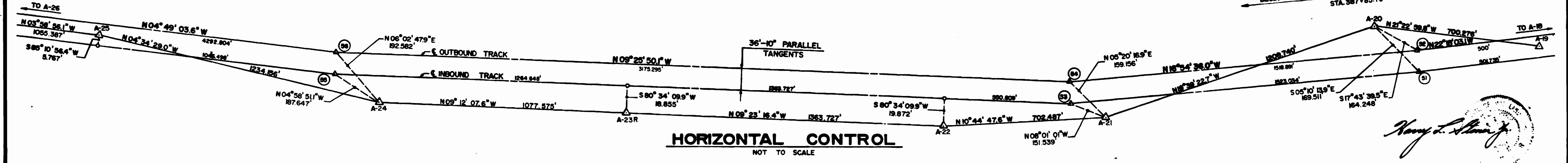
Sign 2: SAME AS SIGN NO. 1



DESIGNED <u>HICKEY (WMATA)</u> 10/9/75 DRAWN <u>REID, LUCAS</u> 10/10/75 CHECKED <u>RYNTIES</u> 10/10/75 APPROVED <u>[Signature]</u> 10/10/75	REFERENCE DRAWINGS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NUMBER</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	NUMBER	DESCRIPTION			REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>6-6-77</td> <td>[Signature]</td> <td>(1) ADDED USDOT PROJECT NO TO NOTE 5</td> </tr> </tbody> </table>	DATE	BY	DESCRIPTION	6-6-77	[Signature]	(1) ADDED USDOT PROJECT NO TO NOTE 5		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY APPROVED <u>[Signature]</u> 10/10/75 ACT'G DIRECTOR OF ENGINEERING WMATA APPROVED <u>[Signature]</u> 10/17/75 CHIEF OF DESIGN AND CONSTRUCTION	DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT	UTILITY STANDARD DRAWING UMTA PROJECT IDENTIFICATION SIGN SECTION NO. FALL SCALE NONE DRAWING NO. ST-U-67 M334-11
NUMBER	DESCRIPTION															
DATE	BY	DESCRIPTION														
6-6-77	[Signature]	(1) ADDED USDOT PROJECT NO TO NOTE 5														

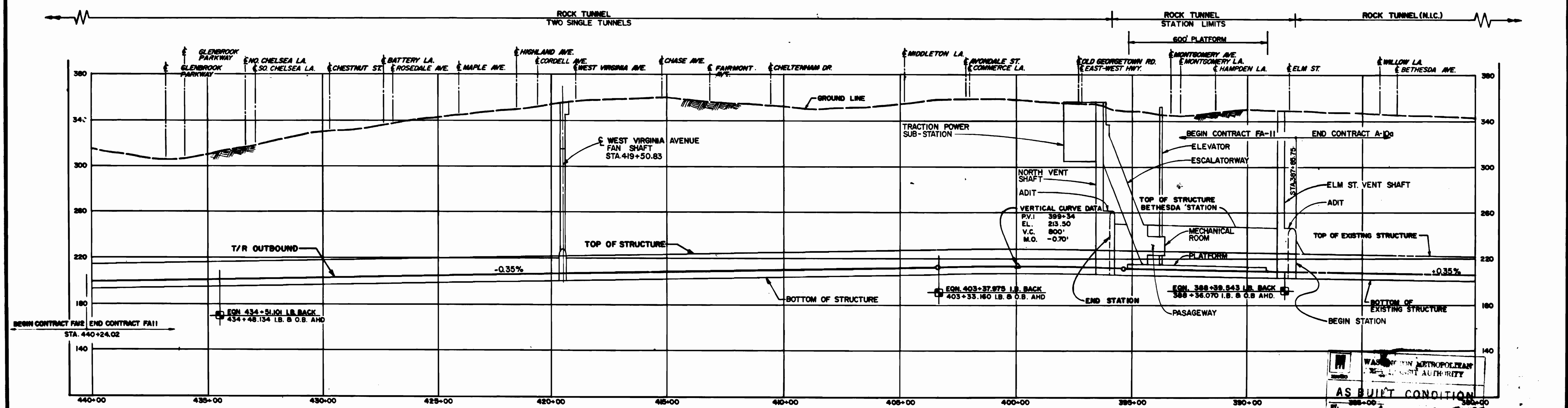


PLAN



HORIZONTAL CONTROL
NOT TO SCALE

Harry L. ...



PROFILE

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS BUILT CONDITION
DATE

DESIGNED	H. STONER	11-14-79
DRAWN	P. STAMER	11-14-79
CHECKED	T.P. SHARNOFF	12-20-79
APPROVED	<i>[Signature]</i>	1-11-80

NUMBER	DESCRIPTION	DATE	BY
C-2, C-3	TIES TO CONTROL POINTS		

DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHNER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEEBE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

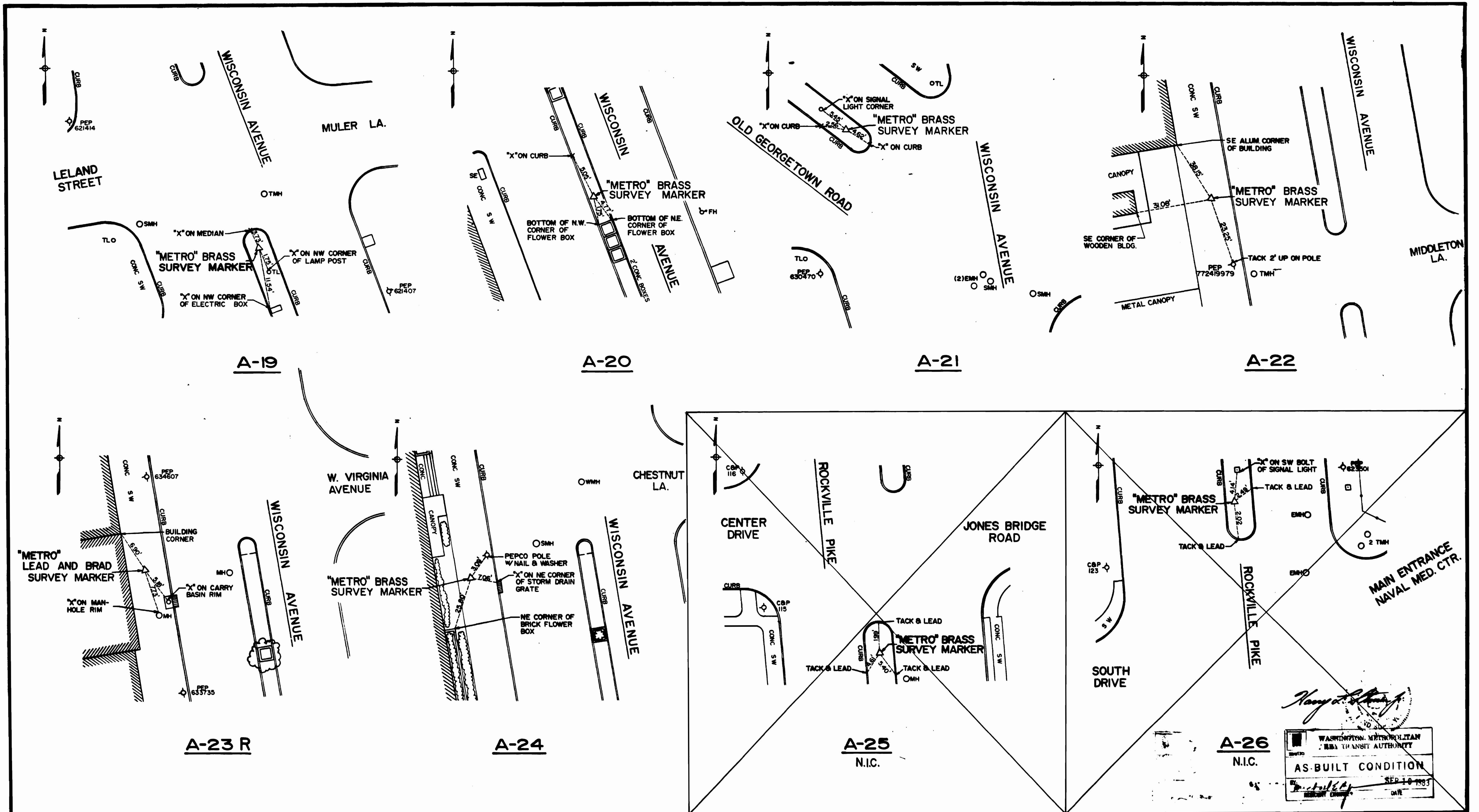
SUBMITTED *[Signature]* DATE 8-14-80 APPROVED *[Signature]*

ROCKVILLE ROUTE
HORIZONTAL AND VERTICAL CONTROL
STA 440+00 TO STA 380+00

SCALE
HORIZ. 1"=200'
VERT. 1"=40'

DRAWING NO.
FA 11-C-1

M334-12



Harry W. ...
 WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 AS-BUILT CONDITION
 SEP 10 1983
 DATE

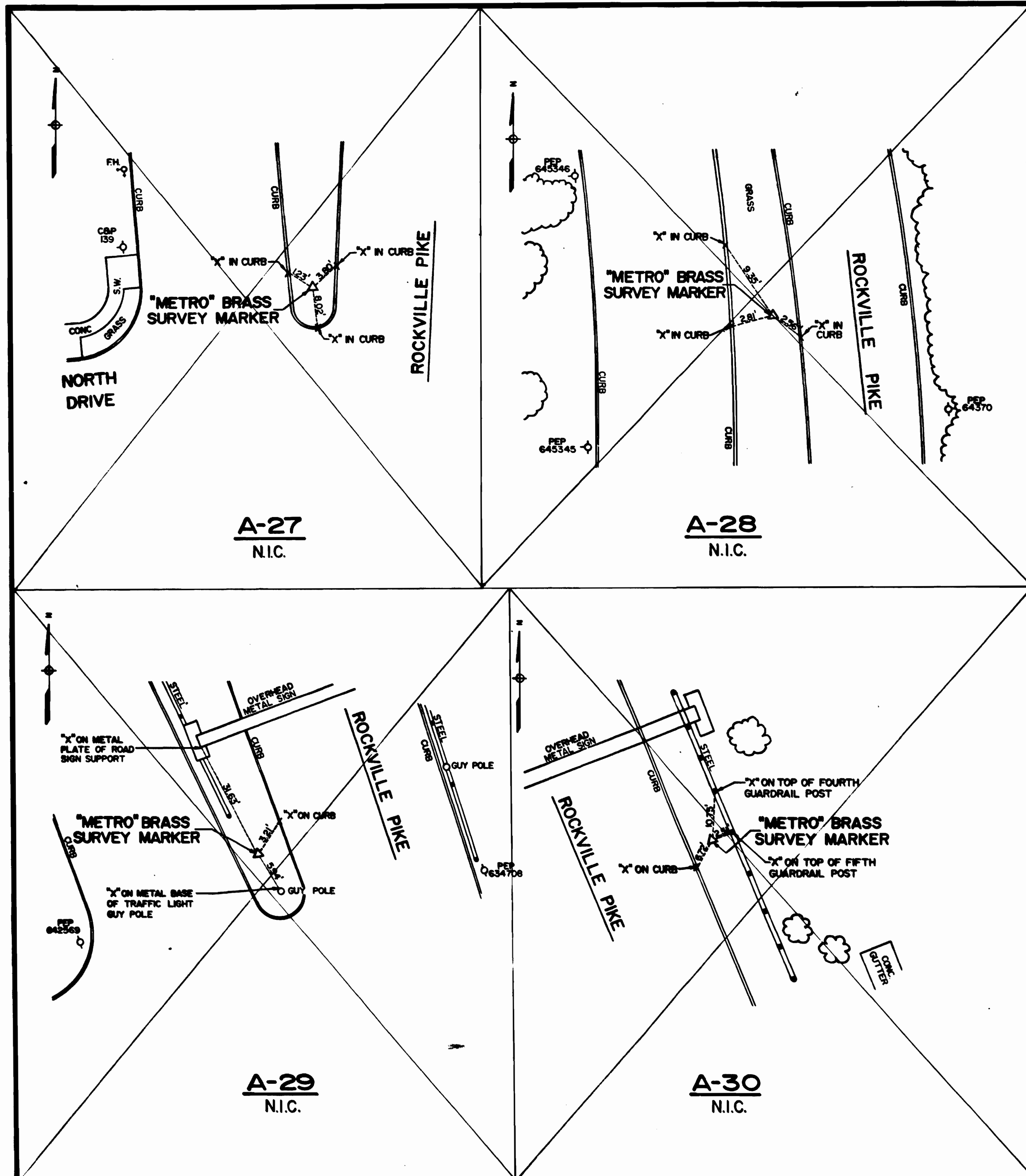
DESIGNED H. STONER 11-14-73
 DRAWN P. STANER 11-14-73
 CHECKED T.P. SMIRNOFF 12-20-79
 APPROVED *J. D. ...* 1-13-80

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
G-1	PLAN AND PROFILE		



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER
 DE LEUR, CATNER & COMPANY
 GENERAL ENGINEERING CONSULTANT
 HARRY WIEBE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

ROCKVILLE ROUTE
HORIZONTAL AND VERTICAL CONTROL
TIES TO HORIZONTAL CONTROL POINTS
 SCALE: NOT TO SCALE
 DRAWING NO. FA 11-C-2
 M334-13



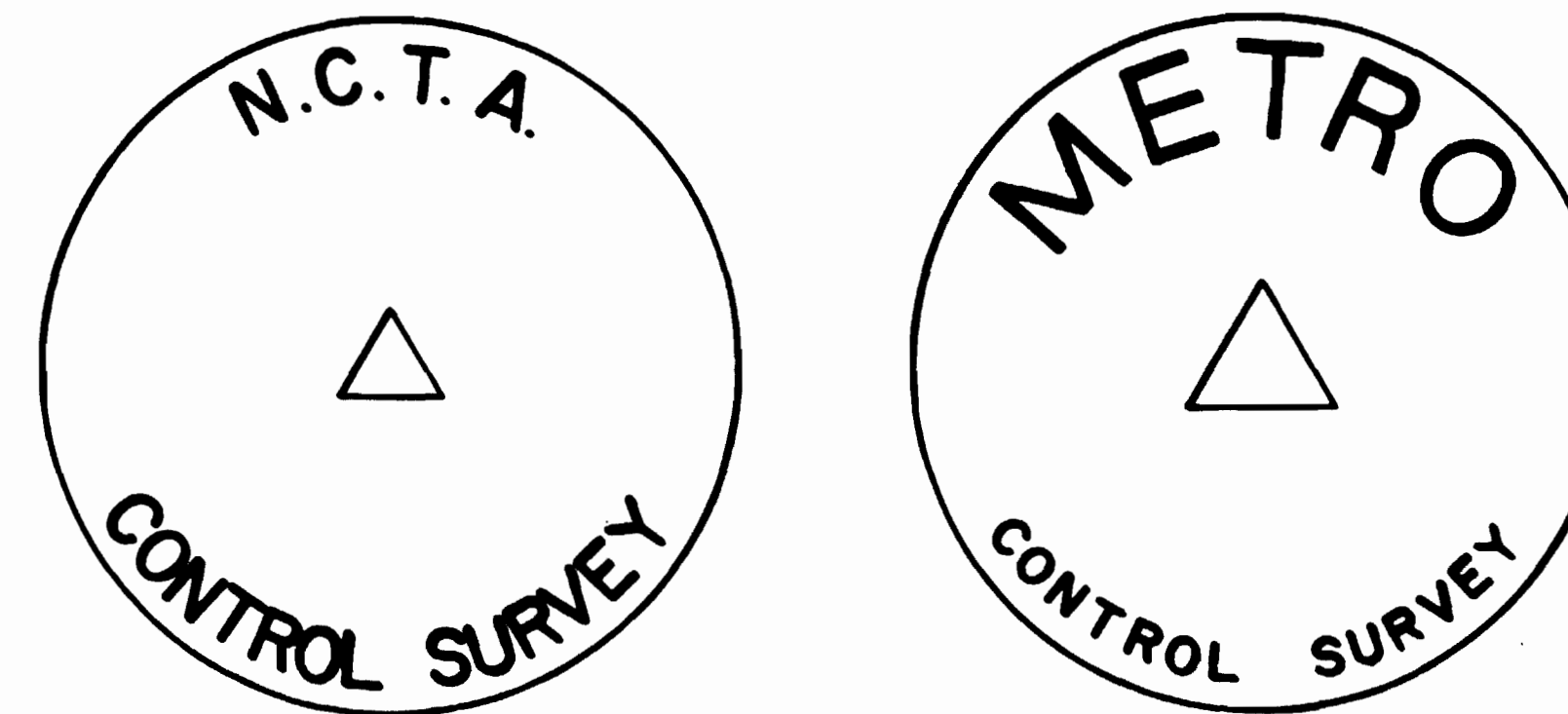
BENCH MARKS

NUMBER	ELEV	DESCRIPTION
A-19	341.313	BRASS SURVEY MARKER SET IN CONCRETE OF SOUTH MEDIAN ON WISCONSIN AVENUE AT THE INTERSECTION OF LELAND STREET.
A-20	349.833	BRASS SURVEY MARKER SET IN WEST CURB OF THE MEDIAN ON WISCONSIN AVENUE NEAR BUILDING NUMBER 7221.
A-21	352.077	BRASS SURVEY MARKER SET IN WEST CONCRETE MEDIAN ON EAST-WEST HIGHWAY AT THE INTERSECTION OF WISCONSIN AVENUE.
A-22	352.677	BRASS SURVEY MARKER SET IN THE CONCRETE SIDEWALK ON THE WEST SIDE OF WISCONSIN AVENUE NEAR THE RALPH BROWN BUICK SHOWROOM.
A-23R	364.305	LEAD AND BRAD SURVEY MARKER SET IN THE CONCRETE SIDEWALK ON THE WEST SIDE OF WISCONSIN AVENUE NEAR BUILDING NUMBER 7942.
A-24	332.550	BRASS SURVEY MARKER SET IN THE CONCRETE SIDEWALK ON THE WEST SIDE OF WISCONSIN AVENUE NEAR THE GOVERNOR'S HOUSE MOTEL.
A-25	317.077	BRASS SURVEY MARKER SET IN THE SOUTH CONCRETE MEDIAN ON WISCONSIN AVENUE AT THE INTERSECTION OF JONES BRIDGE ROAD.
A-26	321.600	BRASS SURVEY MARKER SET IN THE NORTH CONCRETE MEDIAN ON WISCONSIN AVENUE AT THE INTERSECTION OF SOUTH DRIVE AND THE MAIN ENTRANCE TO THE BETHESDA NAVAL MEDICAL CENTER.
A-27	252.789	PLASTIC MONUMENT WITH BRASS SURVEY MARKER SET IN THE GRASS MEDIAN ON WISCONSIN AVENUE AT THE INTERSECTION OF NORTH DRIVE
A-28	281.921	PLASTIC MONUMENT WITH BRASS SURVEY MARKER SET IN THE GRASS MEDIAN ON WISCONSIN AVENUE NEAR PERIOD POLE NUMBER 645346.
A-29	235.348	PLASTIC MONUMENT WITH BRASS SURVEY MARKER SET IN THE GRASS MEDIAN ON WISCONSIN AVENUE AT THE INTERSECTION OF POKES HILL ROAD.
A-30	242.936	PLASTIC MONUMENT WITH BRASS SURVEY MARKER SET IN THE GRASS ALONG THE EAST SIDE OF THE NORTHBOUND LANE OF ROCKVILLE PIKE NEAR THE INTERSECTION OF THE ACCESS RAMP FROM THE CAPITAL BELTWAY.

CONTROL POINT COORDINATES

POINT	COORDINATES	
	NORTH	EAST
A-19	417567.7505	773779.0479
A-20	418219.8210	773523.7236
A-21	419358.1243	773117.1309
A-22	420048.2914	772966.1416
A-23R	421393.7537	772763.6941
A-24	422457.4605	772591.3709
A-25	423687.6849	772492.9356
A-26	424740.5241	772419.6415
A-27	426699.2383	772254.2779
A-28	428650.8522	772277.8696
A-29	430379.5745	771607.2926
A-30	431470.1684	771221.1761

- NOTES**
- HORIZONTAL CONTROL: METRO PROJECT COORDINATES
 - ALL GRID COORDINATES AND HORIZONTAL CONTROL VALUES ARE BASED ON THE 1971 FIELD GEOGRAPHIC POSITIONS FOR U.S.C. & G.S. (NOW NATIONAL GEODETIC SURVEY) TRIANGULATION STATIONS WASHINGTONIAN 1969 AND PAVILLION 1969. THE FINAL 1974 ADJUSTMENT SIGNIFICANTLY CHANGED THE COORDINATES OF THESE STATIONS. THIS ADJUSTMENT IS NOT REFLECTED ON THESE DRAWINGS
 - VERTICAL CONTROL: U.S.C. & G.S. (1929 ADJUSTMENT)
 - TO CONVERT PROJECT COORDINATES TO MARYLAND STATE PLANE COORDINATES, MULTIPLY THE PROJECT COORDINATES BY 0.9999430.



WASHINGTON METROPOLITAN
 TRANSIT AUTHORITY
 AS-BUILT CONDITION
 DATE: SEP 19 1988
 BY: [Signature]



DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
H. STIGER	11-14-73	C-1	PLAN AND PROFILE			
P. STANIER	11-14-73					
J.P. SMIRNOFF	12-20-79					
[Signature]	2-11-80					



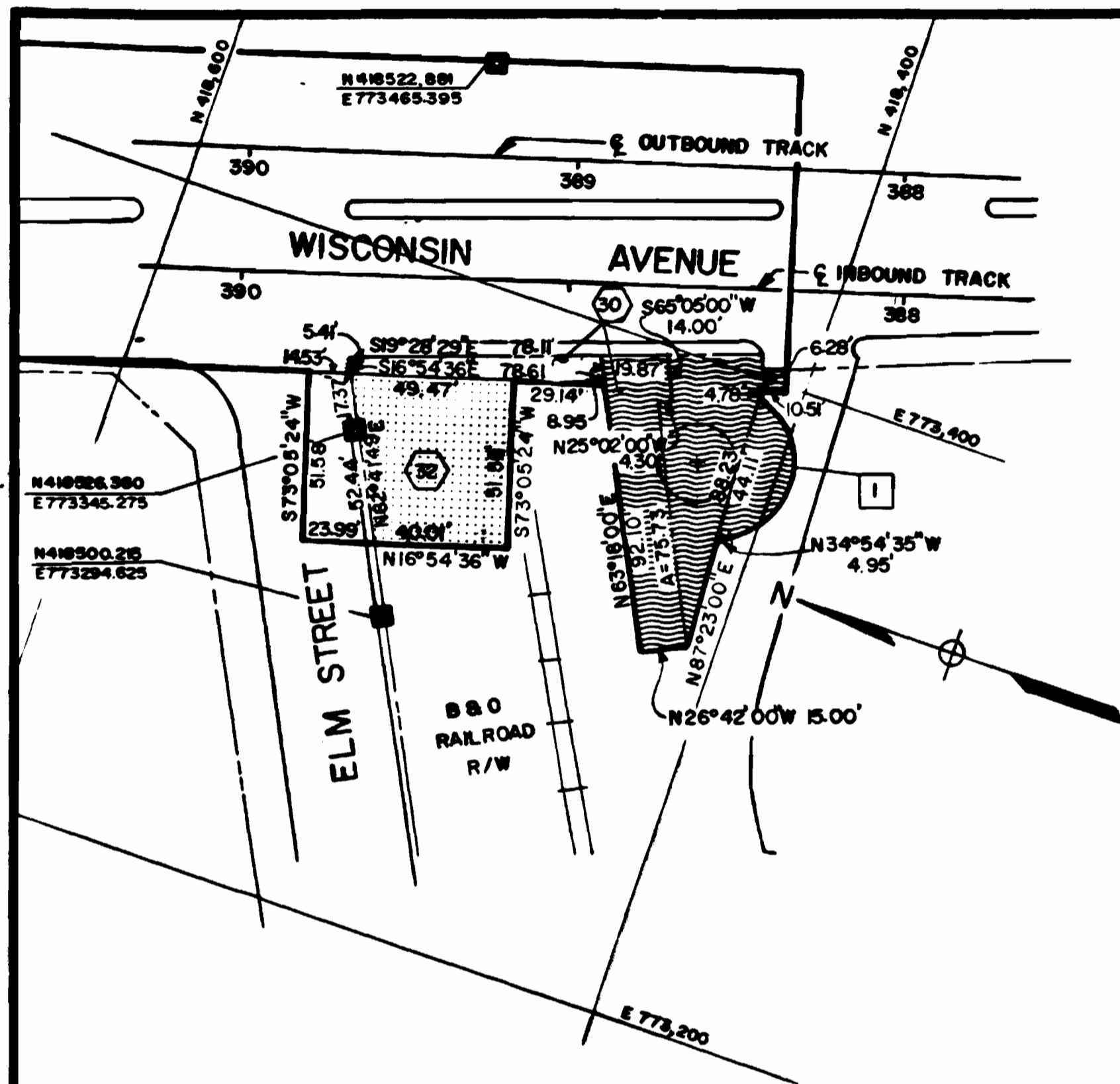
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER
 SUBMITTED: [Signature] DATE: 1-14-80

DE LEON, CARRIER & COMPANY
 GENERAL ENGINEERS CONSULTING
 HARRY WEISE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTING
 APPROVED: [Signature]

**ROCKVILLE ROUTE
 HORIZONTAL AND VERTICAL CONTROL
 TIES TO HORIZONTAL CONTROL POINTS**

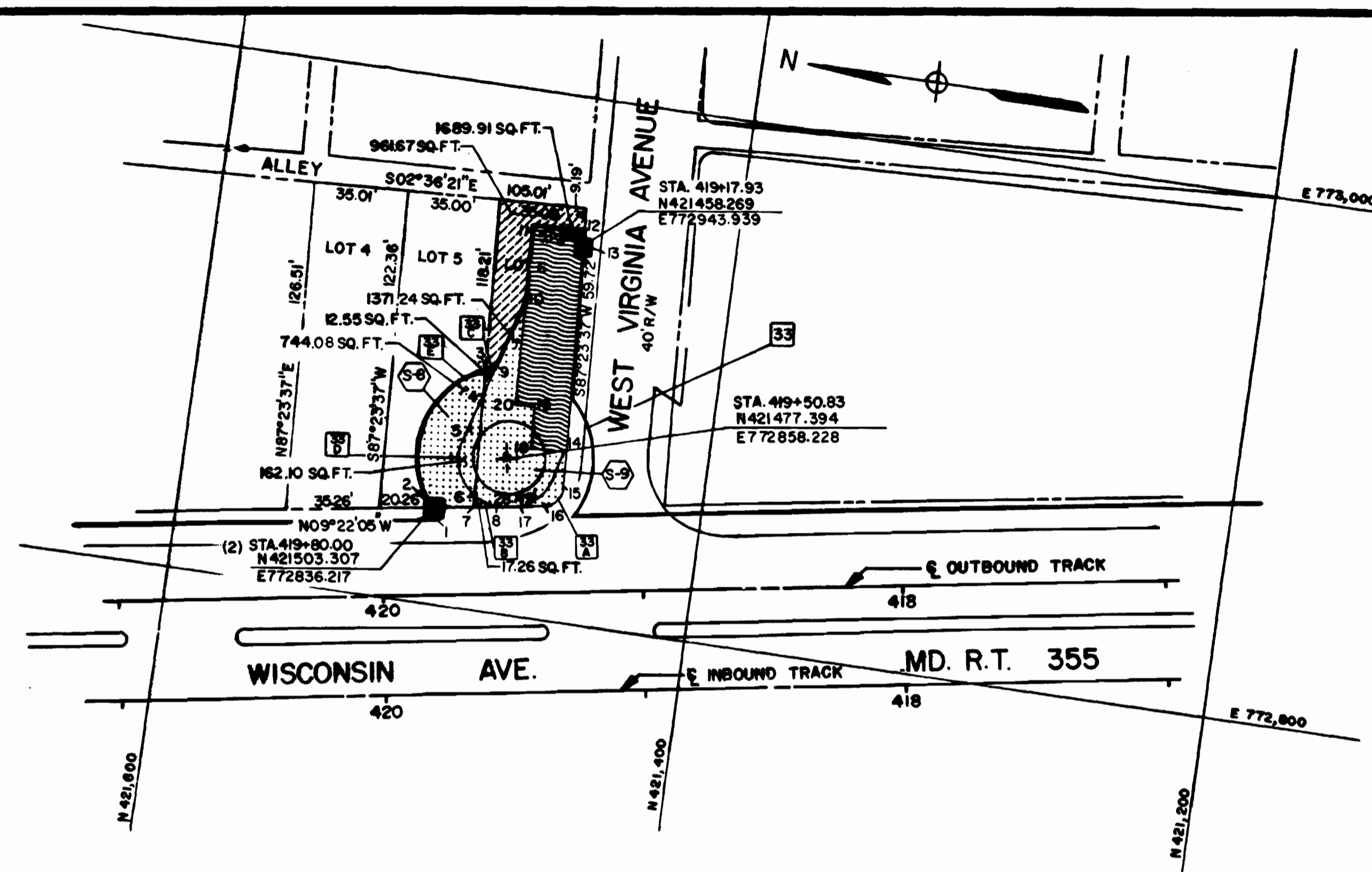
SCALE: NOT TO SCALE
 DRAWING NO.: Fall-C-3
 M334-14



ELM STREET VENT SHAFT

WEST VIRGINIA AVE. FAN SHAFT

NO.	BRG.	DIST.	NO.
1	N80°34'10"E	3.81	2
2	S76°48'35"E	54.69	3
3	S87°23'37"W	9.15	4
4	S19°58'15"E	3.92	9
5	S72°41'37"E	10.98	9
6	N07°41'37"W	17.22	5
7	S71°55'59"W	22.00	6
8	S87°23'37"W	4.31	7
9	S25°03'20"W	7.58	8
10	N87°23'37"E	37.39	4
11	N09°22'05"W	14.99	2
12	S09°22'05"E	6.76	8
13	S09°22'05"E	14.39	17
14	S72°41'37"E	28.66	10
15	N87°23'37"E	30.04	11
16	S02°36'23"E	21.50	12
17	S87°23'37"W	5.22	13
18	S87°23'37"W	79.07	14
19	S87°23'37"W	14.47	15
20	N48°25'05"W	9.63	16
21	N09°22'05"W	7.34	17
22	N09°22'05"W	14.39	8
23	N02°36'23"E	14.00	18
24	N87°23'37"E	16.31	19
25	N02°36'23"E	7.50	20
26	N87°23'37"E	37.94	10



WEST VIRGINIA AVENUE FAN SHAFT

PROPERTY DISPOSITION TABLE
ALL TAKINGS IN SQUARE FEET

SUBDIVISION	BLOCK	LOT	PARCEL	TOTAL LOT AREA	PERMANENT UNDERGROUND EASEMENT	PERMANENT SURFACE EASEMENT	PERMANENT AERIAL EASEMENT	CONSTRUCTION EASEMENT	OWNER	DEED BOOK	PAGE	REMARKS
WEST CHEVY CHASE HEIGHTS	5	4		4,357					THOMPSON'S SEAFOOD COMPANY, INC.	4440	663	
		5	S-8	4,209.96	906.18					4213	272	
		6	S-9	4,052.24	1401.05	1689.91		2362.72		4213	272	
			32		2307.03				B & O RAILROAD	JAB	182	ACQUIRED BY AIG
			30		555.87							

CURVE DATA

CURVE NO.	DELTA	RADIUS	TANGENT	ARC	CHORD	BEARING
33	79°28'03"	34.00	28.26	47.16	43.47	S79°42'20"W
33A	57°34'24"	10.00	5.50	10.05	9.63	N48°25'05"W
33B	23°00'29"	19.00	3.67	7.63	7.58	N25°03'20"E
33C	06°36'20"	34.00	1.96	3.92	3.92	S19°58'15"E
33D	70°44'48"	19.00	13.49	23.46	22.00	N71°55'59"E
33E	107°04'20"	34.00	46.01	63.54	54.69	S76°48'35"E
1	139°36'21"	23.50	63.88	57.26	44.11	S87°23'00"W

VERTICAL LIMITS OF EASEMENT

PARCEL	UPPER ELEV.	DISTANCE TO SURFACE FROM UPPER ELEV. OF EASEMENT
32	309.00	16.0±
30	309.00	37.0±
S-8	294.00	60.0±
S-9	349.00	5.0±

- LEGEND
- TEMPORARY CONSTRUCTION EASEMENT
 - PERMANENT SURFACE EASEMENT
 - PERMANENT UNDERGROUND EASEMENT
 - PARCEL NUMBER
 - PROPERTY LINE
 - LIMIT OF RIGHT-OF-WAY
 - CONSTRUCTION FENCING
 - METRO R.O.W. MONUMENT
 - CURVE DATA NUMBER

- NOTES:
- HORIZONTAL CONTROL: METRO PROJECT COORDINATES ALL GRID COORDINATES AND HORIZONTAL CONTROL VALUES ARE BASED ON THE 1971 FIELD GEOGRAPHIC POSITIONS FOR U.S.C. & G.S. (NOW NATIONAL GEODETIC SURVEY) TRIANGULATION STATIONS "WASHINGTONIAN 1969" AND "PAVILLION 1969". THE FINAL 1974 ADJUSTMENT SIGNIFICANTLY CHANGED THE COORDINATES OF THESE STATIONS. THIS ADJUSTMENT IS NOT REFLECTED ON THESE DRAWINGS.
 - VERTICAL CONTROL U.S.C. & G.S. MEAN SEA LEVEL 1929 GENERAL ADJUSTMENT.
 - CONSTRUCTION EASEMENT DOES INCLUDE PERMANENT UNDERGROUND EASEMENT OF LOT 6 PARCEL S-9.

DESIGNED A.B. WIEGAND 8-5-72 DATE
 DRAWN M.F. CRATTY 8-10-79 DATE
 CHECKED F.C. YOUNGMAN DATE
 APPROVED [Signature] 8-14-79 DATE

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

SUBMITTED [Signature] DATE 8-14-79

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED [Signature]

ROCKVILLE ROUTE
RIGHT OF WAY - ELM STREET VENT SHAFT
AND WEST VIRGINIA AVENUE FAN SHAFT

SCALE 1" = 40' 20' 0" 20' 40'

DRAWING NO. FAIL-R-1 M334-15

CURVE DATA						
CURVE NUMBER	DELTA	RADIUS	TANGENT	ARC	CHORD	CHORD BEARING
1	90°00'00"	10.00	10.00	15.71	14.14	S42°31'22"W
2	121°26'06"	15.00	26.75	31.79	26.17	N26°48'20"E
3	90°00'00"	89.50	89.50	140.59	126.37	S47°28'38"E
4	68°26'07"	29.93	20.35	35.75	33.66	S32°52'21"W
5	23°10'22"	99.00	20.30	40.04	39.77	N38°33'13"E
6	26°44'20"	47.70	11.34	22.26	22.06	S33°52'58"E
7	10°34'45"	151.00	13.98	27.84	27.84	S52°32'31"E
8	05°15'14"	440.00	20.19	40.35	40.33	N27°21'11"W
9	37°22'41"	99.00	33.49	64.59	63.45	N68°50'02"E
10	22°30'08"	99.00	19.69	38.88	38.63	N15°43'06"E

LEGEND

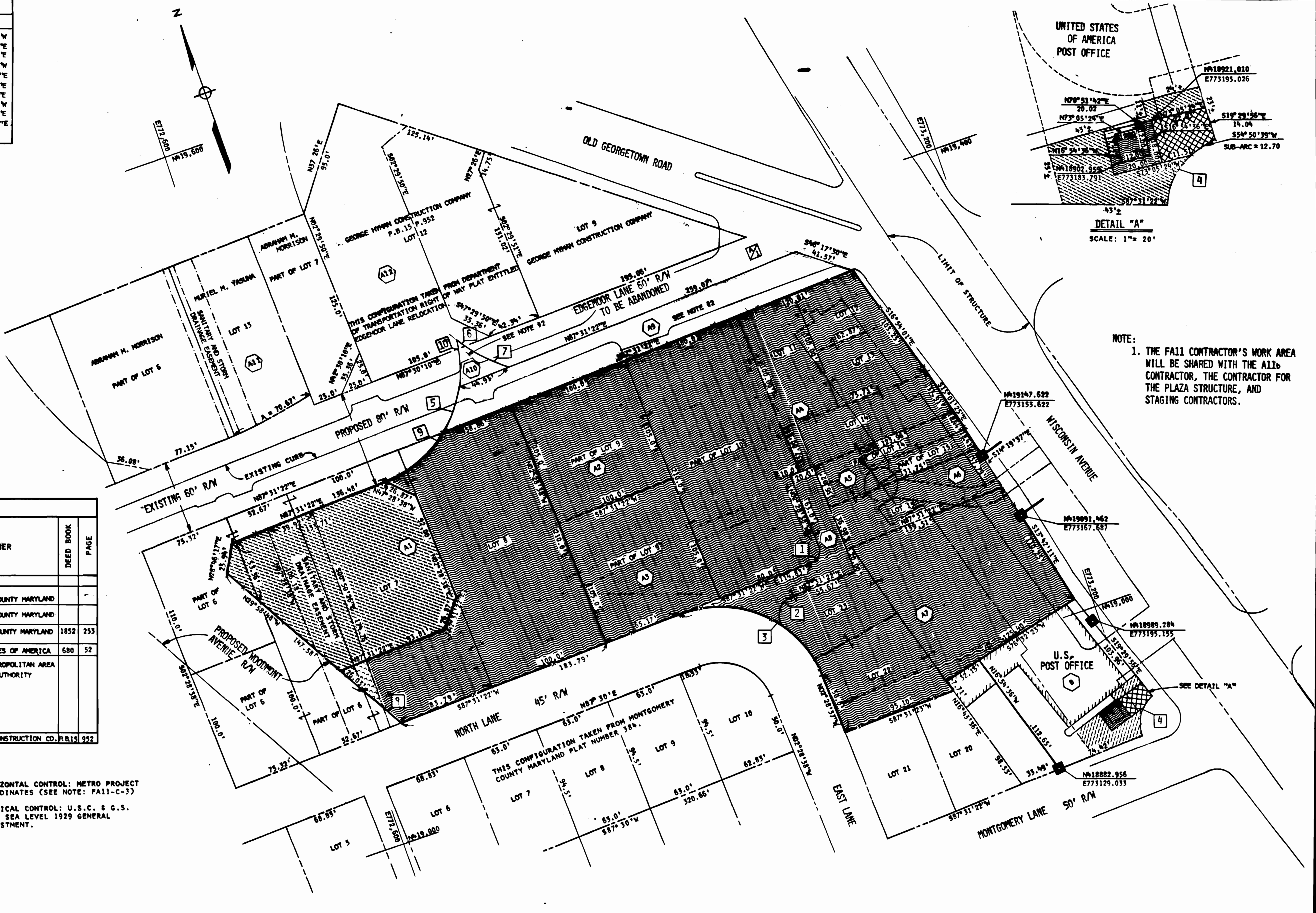
- UTILITY EASEMENT
- PERMANENT SURFACE EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT SURFACE EASEMENT ACCESS
- CONSTRUCTION FENCING
- EXISTING UTILITY EASEMENT
- PROPERTY LINE
- LIMIT OF RIGHT OF WAY
- PARCEL NUMBER
- CURVE DATA NUMBER
- METRO R.O.W. MONUMENT

PROPERTY DISPOSITION TABLE
ALL TAKINGS IN SQUARE FEET

SUBDIVISION	BLOCK	LOT	PARCEL	TOTAL LOT AREA	PERMANENT SURFACE EASEMENT	PERMANENT SURFACE EASEMENT ACCESS	CONSTRUCTION EASEMENT	PERMANENT UTILITY EASEMENT	OWNER	DEED BOOK	PAGE
EDGEWOOD	12	6, 7, 8, 9, 10, 11, 12	A-11						MONTGOMERY COUNTY MARYLAND		
			A-10						MONTGOMERY COUNTY MARYLAND		
			A-9						MONTGOMERY COUNTY MARYLAND		
			A-1	53060.70	26732.566			18424712	MONTGOMERY COUNTY MARYLAND	1852	253
			B	14762.55	352.30			390.11	UNITED STATES OF AMERICA	680	52
			A2	10500	10500				WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		
			A3	10500	10500						
			A4	36340	36340						
			A5	4607	4607						
			A6	5016	5016						
			A7	26019	26019						
			A8	3813	3813						
				102188.0							
12	9 & 12	A-12	27350					GEORGE HYMAN CONSTRUCTION CO. P.B.15 952			

NOTES

- LOT CONFIGURATIONS AND DIMENSIONS OF PROPERTIES NOT CONTIGUOUS WITH THE PROPERTY DEPICTED BY THIS PLAN HAVE BEEN RECONSTRUCTED FROM THE APPROPRIATE PLATS FOR CLARITY ONLY.
- PARCEL A-9 (9784.57 SQ. FT.) AND PARCEL A-10 (646.0 SQ. FT.) CURRENTLY WITHIN THE RIGHT OF WAY OF EDGEWOOD LANE WILL REVERT TO THE OWNER OF RECORD UPON ABANDONMENT BY MONTGOMERY COUNTY MARYLAND.
- HORIZONTAL CONTROL: METRO PROJECT COORDINATES (SEE NOTE: FA11-C-3)
- VERTICAL CONTROL: U.S.C. & G.S. MEAN SEA LEVEL 1929 GENERAL ADJUSTMENT.



DESIGNED	F.C. YOUNGMAN	8-8-78
DATE		
DRAWN	M.F. CRATTY	8-8-78
DATE		
CHECKED	F.C. YOUNGMAN	8-31-78
DATE		
APPROVED	<i>[Signature]</i>	8/31/78
DATE		

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
6-9	WORK AREA PLAN	9-11-80	DKB
	REVISED SURFACE EASEMENT		

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEEKE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
METRO PROJECT

**ROCKVILLE ROUTE
RIGHT OF WAY
BETHESDA STATION**

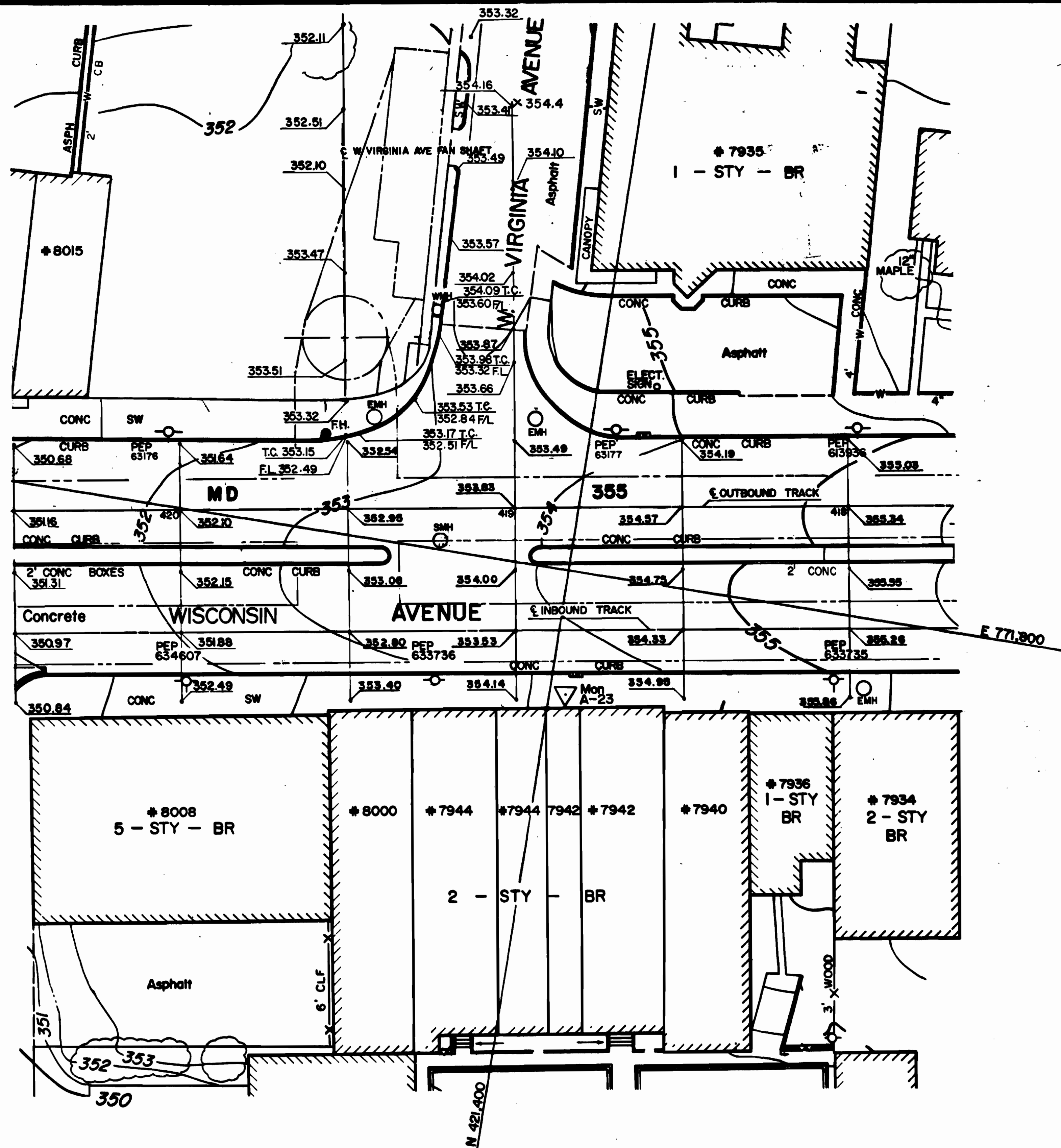
SCALE: 1" = 40'

DRAWING NO. FA11-R-2

M334-16

SUBMITTED: *[Signature]* DATE: 8-14-80

APPROVED: *[Signature]*



NOTE:
 CONTOURS SHOWN WERE PREPARED BY AERIAL PHOTOGRAMMETRIC METHODS AND ARE SHOWN FOR GENERAL INFORMATION ONLY. PLOTTED ELEVATIONS WERE OBTAINED BY FIELD SURVEY METHODS AND GOVERN OVER CONTOURS.
 VERTICAL CONTROL: USC & GS MEAN SEA LEVEL 1929 GENERAL ADJUSTMENT.
 TOPOGRAPHY SHOWN SUBJECT TO CHANGE DUE TO PREVIOUS CONSTRUCTION.

DESIGNED H. STONER 1-18-73
 DATE
 DRAWN F. ROGGS 1-18-73
 DATE
 CHECKED E.L. BURNETT 2-21-80
 DATE
 APPROVED John D. Adams 7-11-73
 DATE

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHews • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

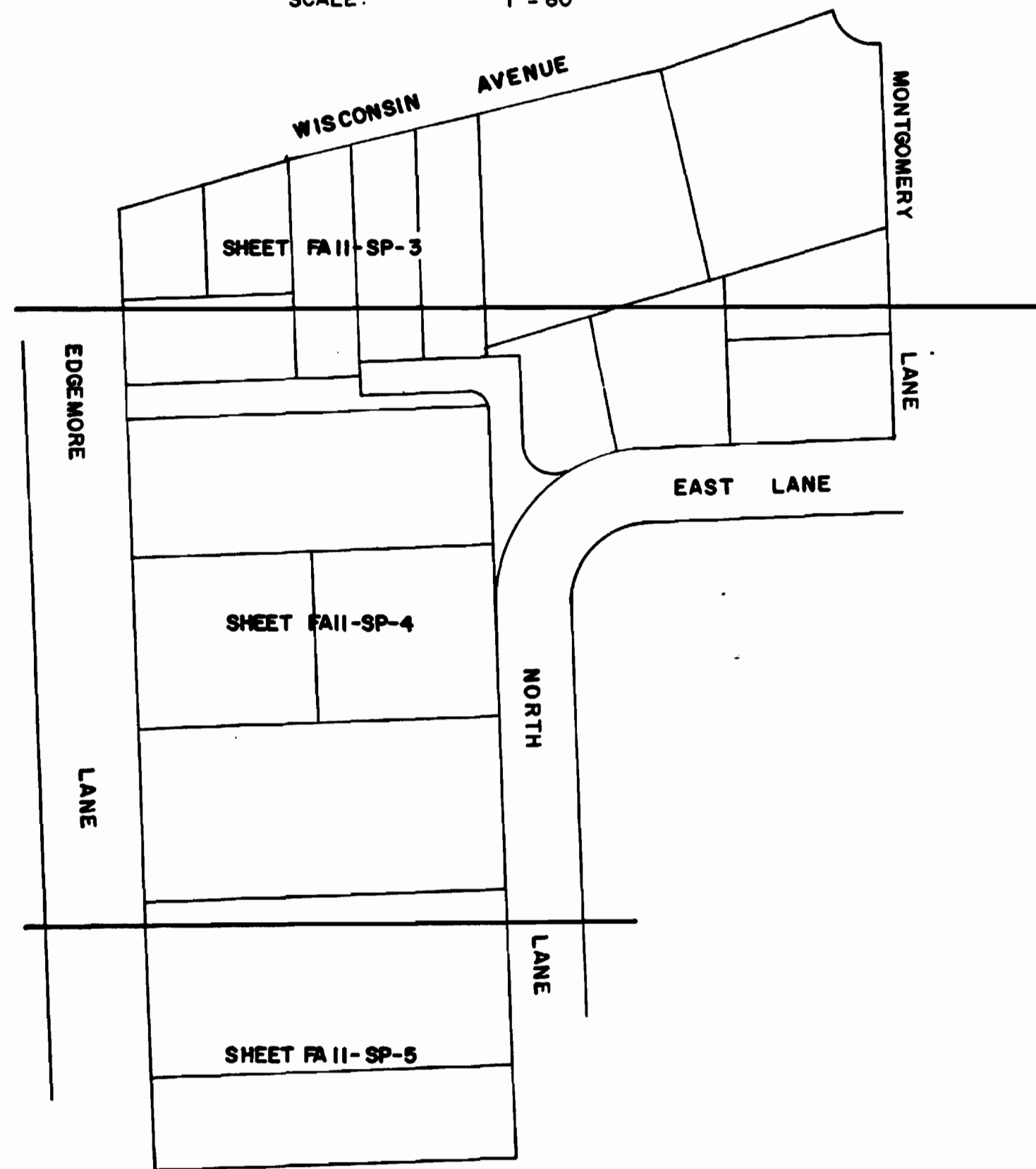
SUBMITTED Ans. [Signature] DATE 8-14-83 APPROVED [Signature]

**ROCKVILLE ROUTE
 SURVEY PLOTS
 WEST VIRGINIA AVENUE FAN SHAFT**

SCALE 1" = 20'

DRAWING NO. **FA 11-SP-1** M334-17

KEY MAP
BETHESDA STATION
SCALE: 1" = 80'



LEGEND

- T.C. - TOP OF CURB
- B. WALK - BOTTOM OF WALK
- F.L. - FLOW LINE
- BLDG. L. - BUILDING LINE
- COR. BLDG. - CORNER OF BUILDING
- CONC. - CONCRETE

- A-1 342.93 COR. BLDG.
- 343.96 TOP CONC. WALL
- 342.83 B. WALK
- A-2 342.67
- A-3 342.20
- A-4 342.23 T.C.
- 341.27 B. WALK
- A-5 341.27 T.C.
- 340.78 F.L.
- B-1 336.68 BLDG. L.
- 343.95 T.W.
- 343.33 B. WALL
- B-2 342.64
- B-3 343.03

LEGEND

- B-4 343.03 T.C.
- 341.75 B. WALK
- 341.82 T.C.
- 341.33 F.L.
- C-1 337.35 BLDG. L.
- 344.46 T.W.
- 343.68 B.W.
- C-2 343.66
- C-3 343.54
- C-4 343.27
- 343.64 T.C.
- 342.36 B. WALK
- 342.33 T.C.
- 341.87 F.L.
- D-1 338.52 BLDG. L.
- 344.47 T.W.
- 344.00 B.W.
- D-2 343.95
- D-3 343.86
- D-4 343.58
- D-5 343.91 T.C.
- 342.88 B. WALK
- 342.83 T.C.
- 342.36 F.L.

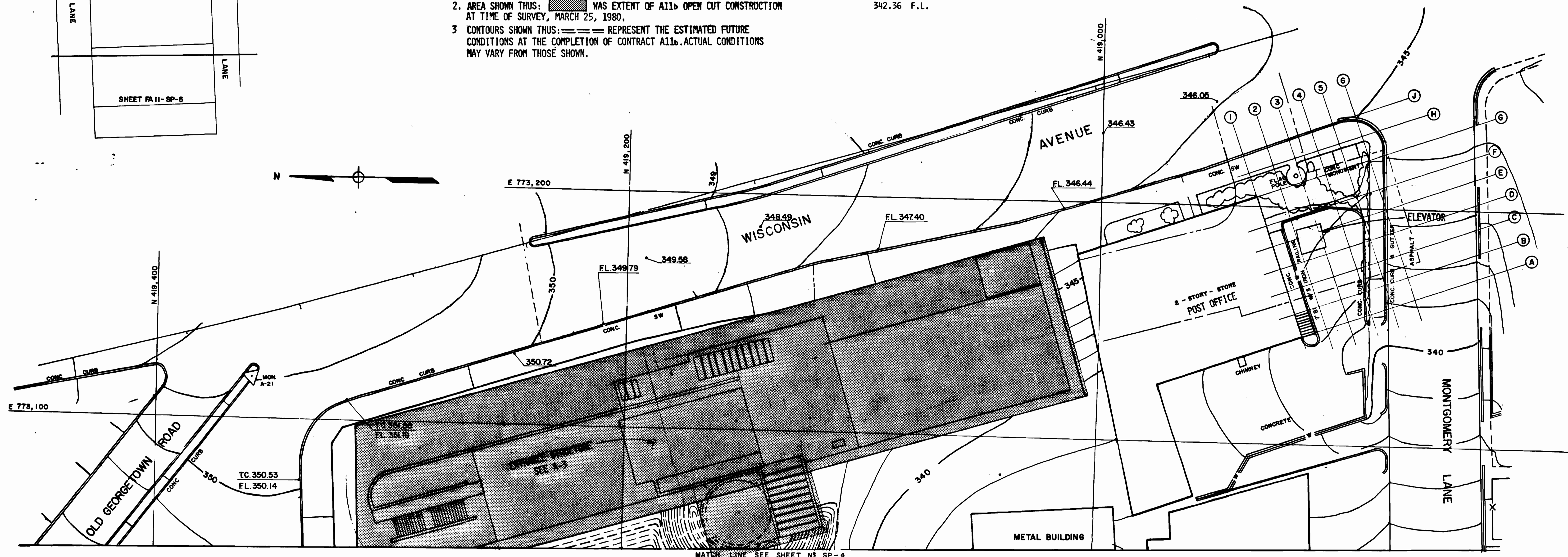
- E-1 338.45 BLDG. L.
- 344.96 T.W.
- 344.17 B.W.
- E-2 344.13
- E-3 344.08
- E-4 343.74
- 344.17 T.C.
- E 343.34 B. WALK
- F-1 339.08
- 344.97 T.W.
- 344.69 T.C.
- F-2 344.70 T.C.
- F-3 344.64 T.C.
- F-4 344.40 T.C.
- 344.31 T.C.
- F-5 344.24
- F 343.33 T.C.
- F 342.86 F.L.
- G-1 345.53 COR. BLDG.
- G-2 345.43
- G-3 345.53

- G-4 345.53
- G-5 345.53
- G-6 344.80 B. WALK
- G 344.75 T.C.
- G 344.26 F.L.
- H-1 346.15 BLDG. L. B.WALK
- H-2 345.97
- H-3 345.90
- H-4 345.95
- H-5 345.94
- H-6 345.43
- H 345.26 T.C.
- H 344.82 F.L.
- J-1 345.72 T.C.
- 345.30 F.L.
- J-2 345.56 T.C.
- 345.18 F.L.

- J-3 345.61 T.C.
- 345.16 F.L.
- J-4 345.58
- 345.25 T.C.
- J-5 345.69 FILLET
- 345.22
- J-6 345.60 T.C.
- 345.15 F.L.
- 5+18 346.77 F.L.
- 5+58 344.51 F.L.
- 5+93 343.42 T.C.
- 343.00 F.L.

NOTES:

- 1 CONTOURS SHOWN THUS: WERE DETERMINED BY A SURVEY COMPLETED ON MARCH 25, 1980. TOPOGRAPHY IS SUBJECT TO CHANGE AS CONTRACT A11b PROGRESSES.
- 2 AREA SHOWN THUS: WAS EXTENT OF A11b OPEN CUT CONSTRUCTION AT TIME OF SURVEY, MARCH 25, 1980.
- 3 CONTOURS SHOWN THUS: REPRESENT THE ESTIMATED FUTURE CONDITIONS AT THE COMPLETION OF CONTRACT A11b. ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN.



DESIGNED	H.L. STONER JR.	1-2-79
DATE		
DRAWN	M.F. CRATTY	1-24-80
DATE		
CHECKED	E.L. BURNETT	2-21-80
DATE		
APPROVED		
DATE		

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
G-9	WORK AREA PLAN		
R-2	RIGHT OF WAY		



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

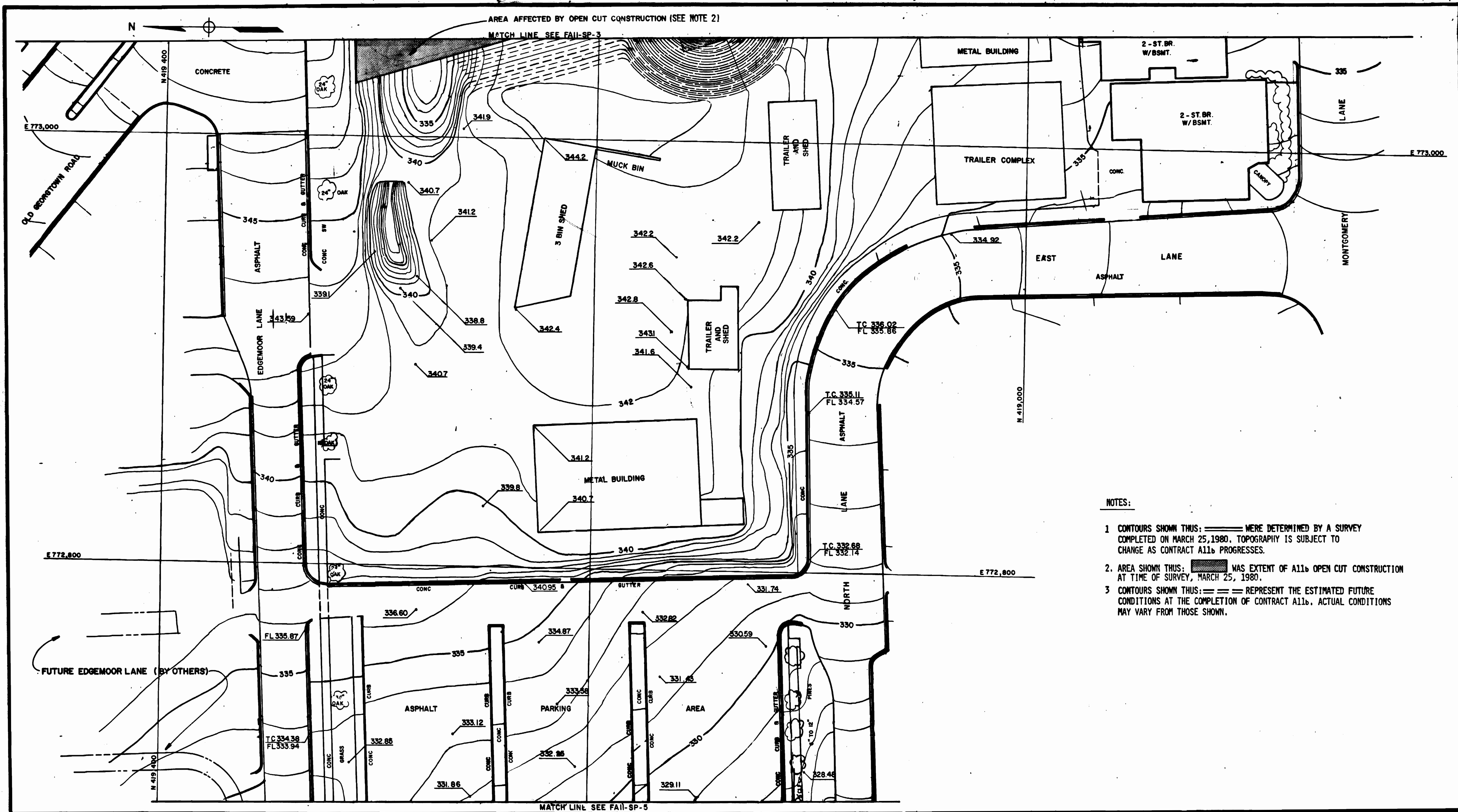
HARRY WEEBE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE 8-14-80 APPROVED *[Signature]*

ROCKVILLE ROUTE
SURVEY PLOT
BETHESDA STATION ENTRANCE

SCALE 1" = 30'

DRAWING NO. FA11-SP-3 M334-18



NOTES:

- 1 CONTOURS SHOWN THIS: WERE DETERMINED BY A SURVEY COMPLETED ON MARCH 25, 1980. TOPOGRAPHY IS SUBJECT TO CHANGE AS CONTRACT A11b PROGRESSES.
2. AREA SHOWN THIS: WAS EXTENT OF A11b OPEN CUT CONSTRUCTION AT TIME OF SURVEY, MARCH 25, 1980.
- 3 CONTOURS SHOWN THIS: REPRESENT THE ESTIMATED FUTURE CONDITIONS AT THE COMPLETION OF CONTRACT A11b. ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN.

DESIGNED H.L. STONER JR. 1-2-78
 DRAWN L.A. WALTERS 1-2-78
 CHECKED E.L. BURNETT 2-21-80
 APPROVED *John D. Roberts* 4-11-78

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
1-1	WORK AREA PLAN		
R-2	RIGHT OF WAY		



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHAR & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEBER & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

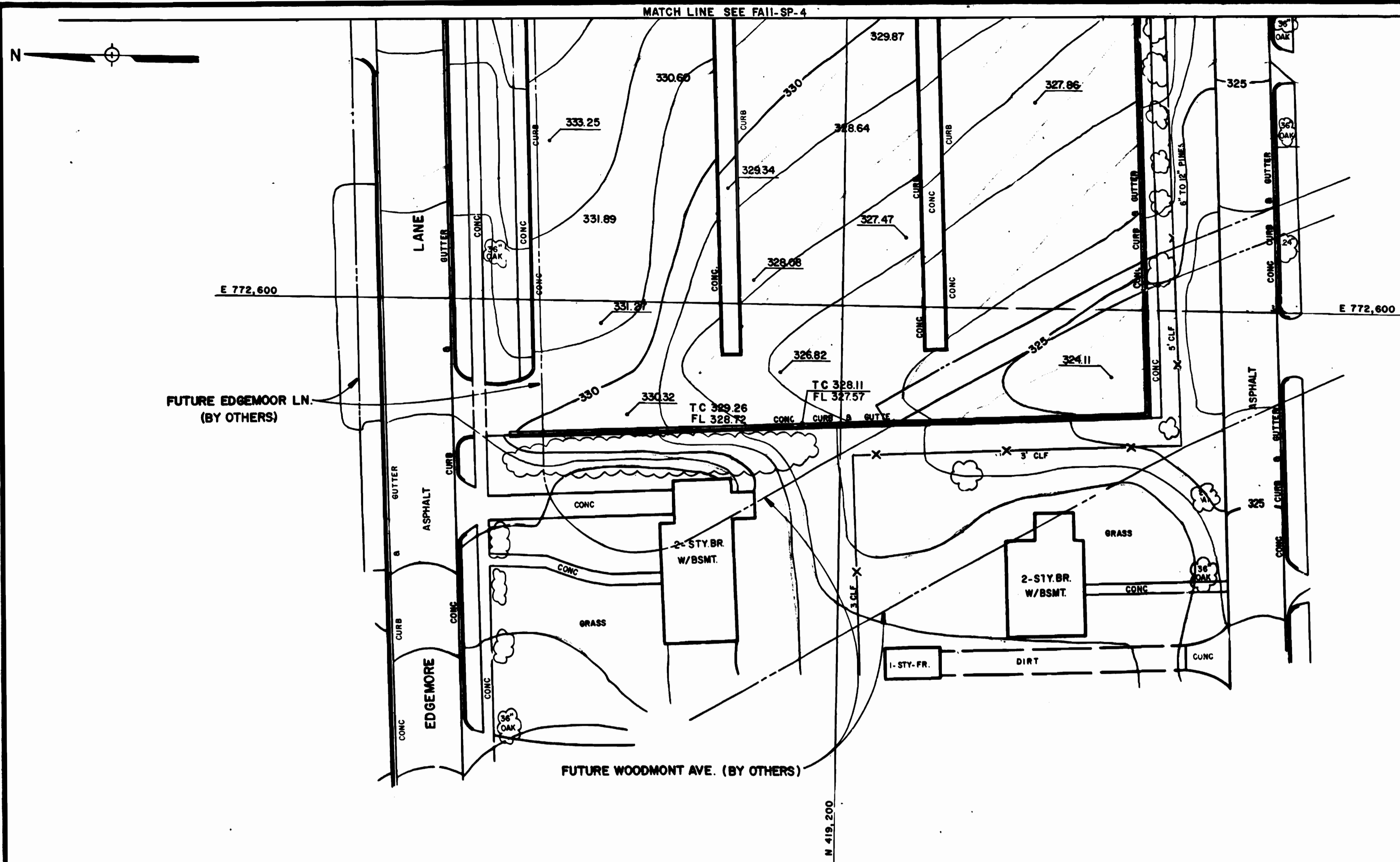
SUBMITTED *Chapman* DATE 8-14-80 APPROVED *Paul Roberts*

**ROCKVILLE ROUTE
 SURVEY PLOT
 BETHESDA STATION
 CONTRACTOR'S STAGING AREA**

SCALE 1"=20' 10' 0" 10' 20'

DRAWING NO. **FA 11-SP-4** M334-19

MATCH LINE SEE FA11-SP-4



NOTE:
 CONTOURS WERE DETERMINED BY A SURVEY COMPLETED ON MARCH 25, 1980. TOPOGRAPHY IS SUBJECT TO CHANGE AS CONTRACT A116 CONSTRUCTION PROGRESSES.

DESIGNED H.L. STONER JR. 1-2-79 DATE
 DRAWN L. AMALTERS 1-2-79 DATE
 CHECKED E.L. BURNETT 2-8-80 DATE
 APPROVED *John D. Stone* 2-14-79 DATE

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
7-9	WORK AREA			
R-2	RIGHT OF WAY			



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEBER & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *John D. Stone* DATE 8-14-80 APPROVED *Paul H. ...*

**ROCKVILLE ROUTE
 SURVEY PLOT
 BETHESDA STATION
 CONTRACTOR'S STAGING AREA**

SCALE 1" = 20' 0 10 20

DRAWING NO. FA11-SP-5 M334-20

ABBREVIATIONS

AC	ASBESTOS CEMENT DUCT OR CONDUIT	3
ACP	ASBESTOS CEMENT PIPE	
AV	AIR VALVE	
BR	BRICK	
BKC	BRICK & CONCRETE	
BO	BLOW-OFF	
CB	CATCH BASIN OR DROP INLET	3
CC	CONCRETE CONDUIT	
CIP	CAST IRON PIPE	
CIPC	CAST IRON PIPE, CEMENT LINED	
CMP	CORRUGATED METAL PIPE	
COMB. S	COMBINED SYSTEM SEWER	
CONC.	CONCRETE	
CP	CONCRETE PIPE	
CTU	CAR TRACKS, UNDERGROUND THIRD RAIL	
CTT	CAR TRACKS, TROLLEY	
CWP	CREOSOTED WOOD PIPE	
CYL	CYLINDER PIPE, VITRIFIED CLAY	4
DI	DUCTILE IRON PIPE	
DLM	DUCTILE IRON PIPE, CEMENT LINED & COATED, MECH. JOINT	
DILMR	DUCTILE IRON PIPE, CEMENT LINED & COATED, MECH. JOINT RESTRAINED	3
DILP	DUCTILE IRON PIPE, CEMENT LINED & COATED, PUSH-ON JOINT	3
D	DUCT	4
E	ELECTRIC	
EXIST	EXISTING	3
FA	FIRE ALARM	
FD	FIBRE DUCT	
FH	FIRE HYDRANT	
FR	FRAME	3
G	GAS	
GHP	GAS, HIGH PRESSURE	
GHPW	GAS, HIGH PRESSURE, WRAPPED	4
KD	KORDUCT	
MM	MANHOLE	
MTD	MULTIPLE TILE DUCT OR CONDUIT	
P	PEDESTRIAN SIGNAL	

PM	PARKING METER	4
PCP	PRESTRESSED CONCRETE PIPE	4
PC	POLICE COMMUNICATIONS	2
PR	PEDESTRIAN & REGULATORY SIGNALS	3
PROP	PROPOSED	2
R	REGULATORY SIGNAL (NO LEFT TURN, ONE WAY)	2
RCP	REINFORCED CONCRETE PIPE	2
RCPR	REINFORCED CONCRETE PIPE, RUBBER JOINT	3
REC	RECORD	2
SAN. S	SANITARY SEWER	2
SP	STEEL PIPE	2
SPW	STEEL PIPE, WRAPPED	2
SS	STORM SEWER	2
STM	STEAM LINE	4
STD	STANDARD	3
STY	STORY	3
TDL	TRAFFIC DETECTOR LOOP	3
T	TELEPHONE	3
TT	TRAFFIC TREADLE	4
VCP	VITRIFIED CLAY PIPE	4
VCPX	VITRIFIED CLAY PIPE - EXTRA STRENGTH	4
VCPXR	VITRIFIED CLAY PIPE - EXTRA STRENGTH RUBBER GASKET	4
W	WATER	
WIP	WROUGHT IRON PIPE	
WSLP	WELDED STEEL CEMENT LINED & COATED PIPE	
WSP	WELDED STEEL PIPE	
WU	WESTERN UNION	
E	12-D MTD (4X3)	4
	ELECTRICAL, 12 WAY, MULTIPLE TITLE DUCT (4 WIDE X 3 HIGH)	
SAN S	12" VCPxP	4
	SANITARY SEWER, EXTRA STRENGTH VITRIFIED CLAY PIPE, RUBBER GASKET.	
COMB S	18" RCP	4
	COMBINED SEWER 18" REINFORCED CONCRETE PIPE	

SYMBOLS

	EXISTING FACILITY	4
	EXISTING SEWERS 27" DIA. & LARGER	4
	EXISTING WATER MAINS 16" & LARGER	4
	MAINTAIN SERVICE & REPLACE	2
	MAINTAIN COMPLETE IN PLACE	3
	REMOVE & REPLACE	2
	FUTURE FACILITY (BY OTHERS)	4
	PROPOSED FACILITY	4
	PROPOSED SEWERS 27" DIA. & LARGER	4
	PROPOSED WATER MAINS 16" & LARGER	4
	EXPOSE & MAINTAIN EXISTING CABLES & REPLACE DUCTS & MANHOLES	4
	EXISTING CATCH BASINS & CONNECTIONS, STANDARD & ELONGATED	2
	PROPOSED CATCH BASINS & CONNECTIONS, STANDARD & ELONGATED	2
	EXISTING ALLEY BASINS & CONNECTIONS, SINGLE & DOUBLE	4
	PROPOSED ALLEY BASINS & CONNECTIONS, SINGLE & DOUBLE	3
	EXISTING ALLEY BASINS (DROP INLET) TO BE REMOVED & REPLACED	3
	SEWER MANHOLES, EXISTING & PROPOSED	4
	EXISTING SEWER MANHOLE - COVERED	4
	WATER VALVES, EXISTING & PROPOSED	4
	GAS VALVE	4
	TEMPORARY FACILITY	4
	UTILITY POLE - GUY POLE	4
	ELECTRIC - AERIAL	4
	TELEPHONE	4
	JOINT ELECTRIC AND TELEPHONE	4
	STREET LIGHT - WITH TRAFFIC LIGHT	4
	TRAFFIC LIGHT - PEDESTRIAN SIGNAL ON POLE, NO STREET LIGHT.	4
	STREET AND TRAFFIC LIGHT WITH PEDESTRIAN SIGNAL	4
	REGULATORY SIGNALS (ONE WAY, NO LEFT TURN)	4
	COMBINATION OF SIGNALS	4
	EXISTING UTILITY MANHOLES SHOWING COMPANY NUMBER: C - SURFACE TO INSIDE TOP D - HEADROOM	4
	PROPOSED UTILITY MANHOLE	4
	PRIVATE VAULT	4
	CATHODIC TEST STATION	2
	TRAFFIC DETECTOR LOOP	3
	EXISTING TRAFFIC TREADLE	3
	EXISTING CATENARY POLE	3
	PARKING METER	3
	EXISTING TRAFFIC SIGN	3
	WATER METER	3
	FIRE HYDRANT & CONNECTION EXISTING & PROPOSED	3

NOTES

- 1 FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN COMPILED FROM INFORMATION FURNISHED BY VARIOUS UTILITY OWNERS. ACCURACY AND COMPLETENESS IS NOT GUARANTEED.
- 2 BUILDING SERVICE CONNECTIONS TO ABUTTING PROPERTIES GENERALLY ARE NOT SHOWN, BUT MUST BE MAINTAINED.
- 3 SIZE OF VCP, CP & RCP SEWERS IS EXPRESSED IN INCHES, VIZ 12", 36" & 108". SIZE OF BR & BKC SEWERS IS EXPRESSED IN FEET & INCHES, VIZ 3'-0", 4'-6" & 5'-0".
- 4 PRIOR TO ABOUT 1929, WHEN BELL & SPIGOT VCP WITH BITUMINOUS JOINTS WAS ADOPTED AS STANDARD, VCP SEWERS UTILIZED CYLINDRICAL PIPE (NO BELL & SPIGOT) WITH CONCRETE CRADLE AND CONCRETE COLLAR AROUND BUTT JOINTS OF PIPE.
- 5 ELECTRIC MANHOLES DESIGNATED BY COMPANY NUMBERS 40 & ABOVE ARE GENERALLY NETWORK MANHOLES HOUSING ELECTRIC TRANSFORMERS. ALL HAVE VENTILATING GRATE COVERS.
- 6 THESE SYMBOLS AND ABBREVIATIONS HAVE BEEN ADOPTED FOR USE IN METRO DESIGNS AND MAY NOT BE IN COMPLETE AGREEMENT WITH THOSE NORMALLY UTILIZED BY INDIVIDUAL UTILITIES OR JURISDICTIONS.

ASBESTOS CONDITION
 10-23-67
 L. E. Hicks
 DESIGNER

DESIGNED	E. A. P.	10-9-67
DRAWN	L. E. Hicks	10-23-67
CHECKED		
APPROVED		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS	
DATE	DESCRIPTION
12-30-68	LEH ADDED DUCT ABBREVIATION 1
3-31-72	REVISED & ADDED NEW SYMBOLS 2
2-19-73	REVISED & ADDED SYMBOLS 3
3/12/74	REVISED, DELETED & ADDED SYMBOLS 4



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

APPROVED _____ 1-10-69

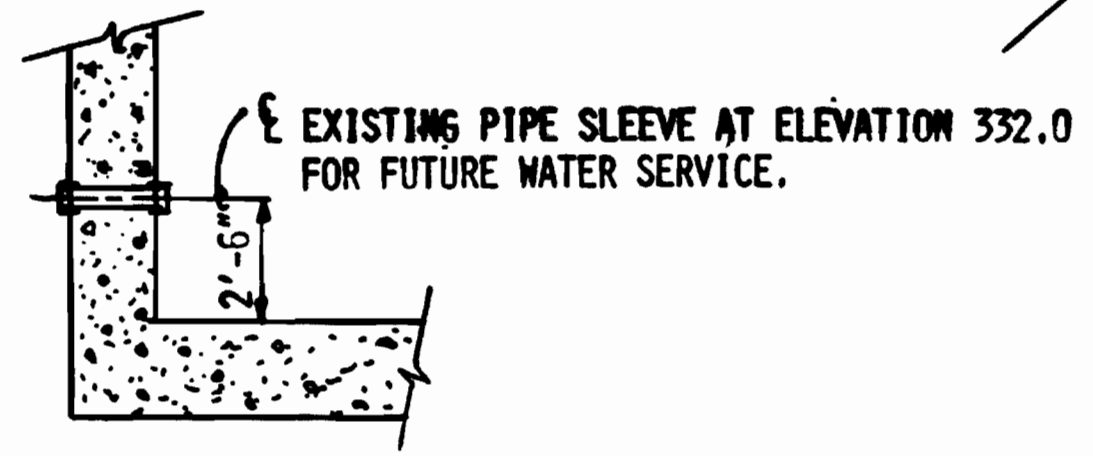
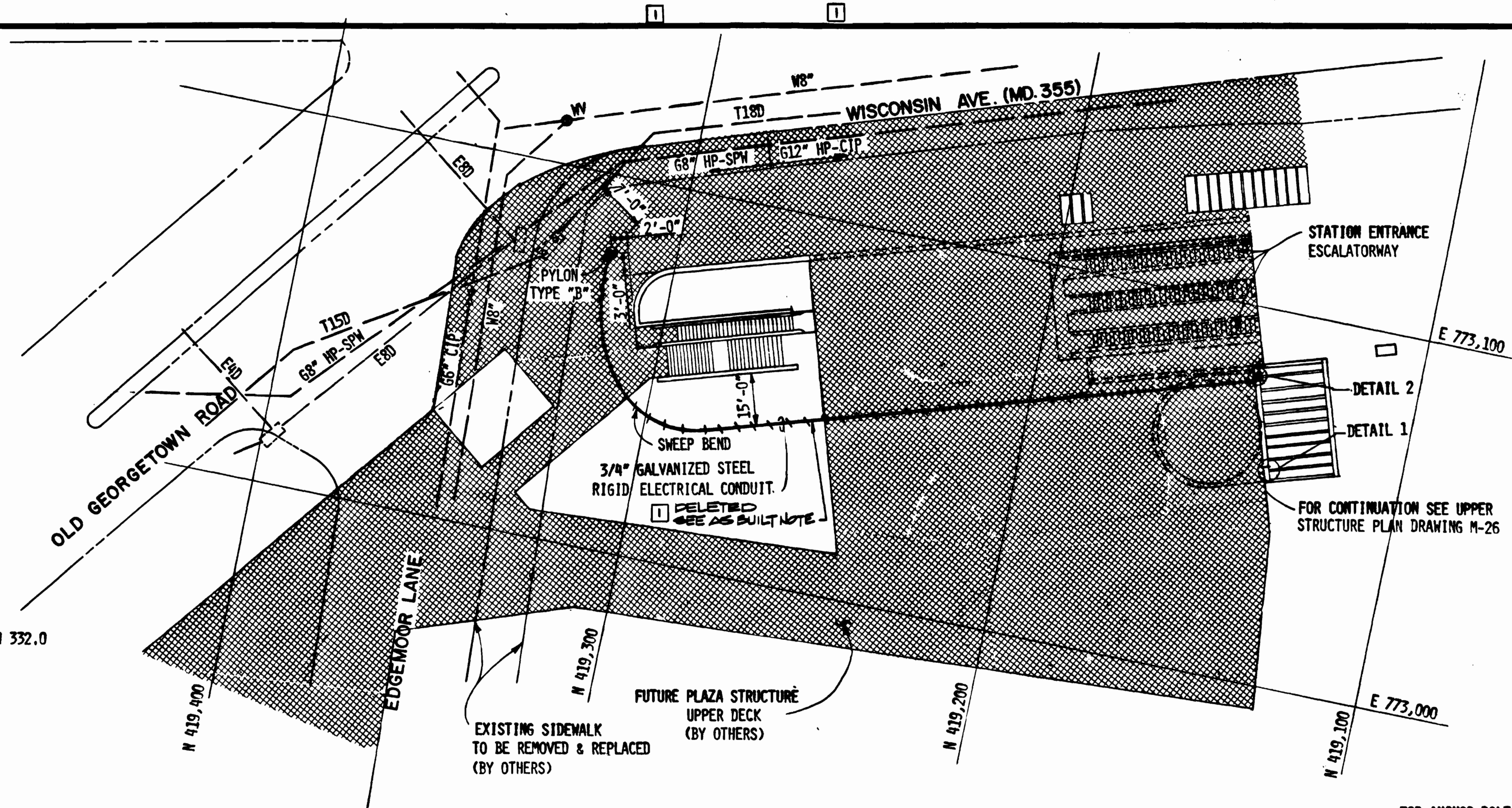
DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

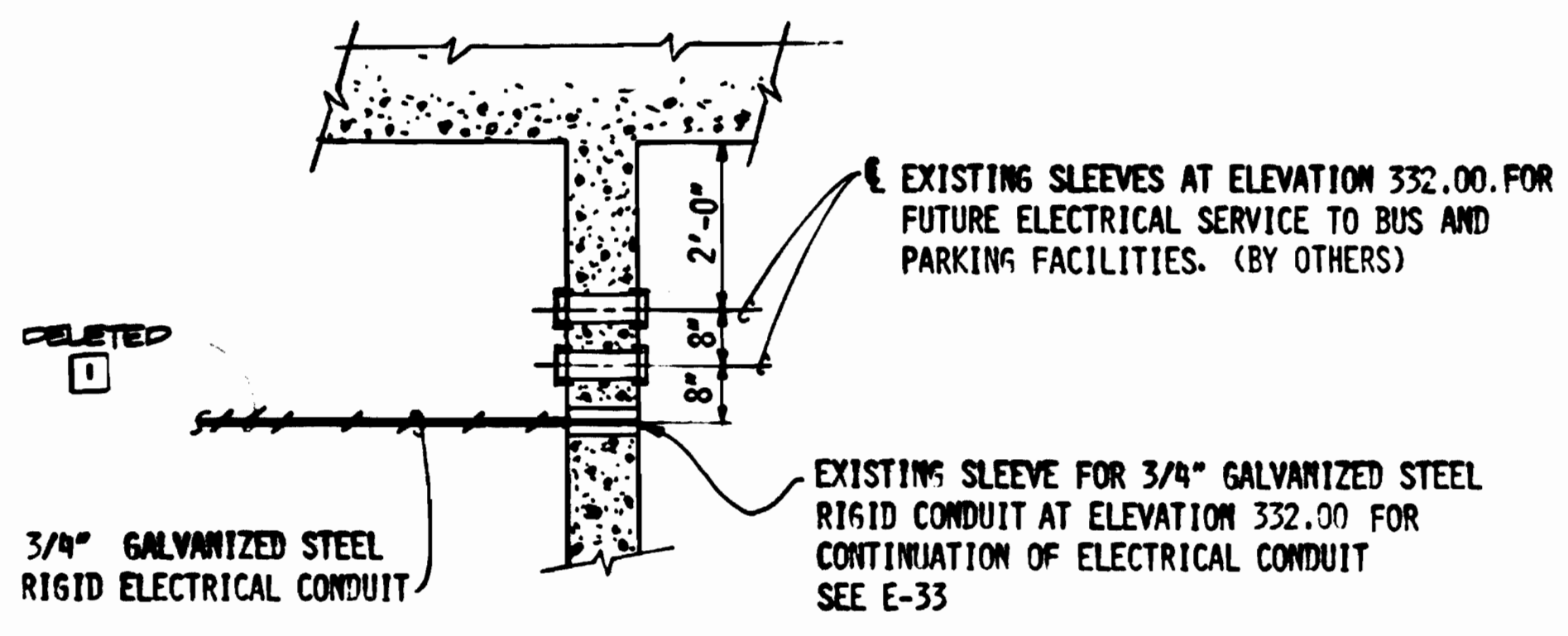
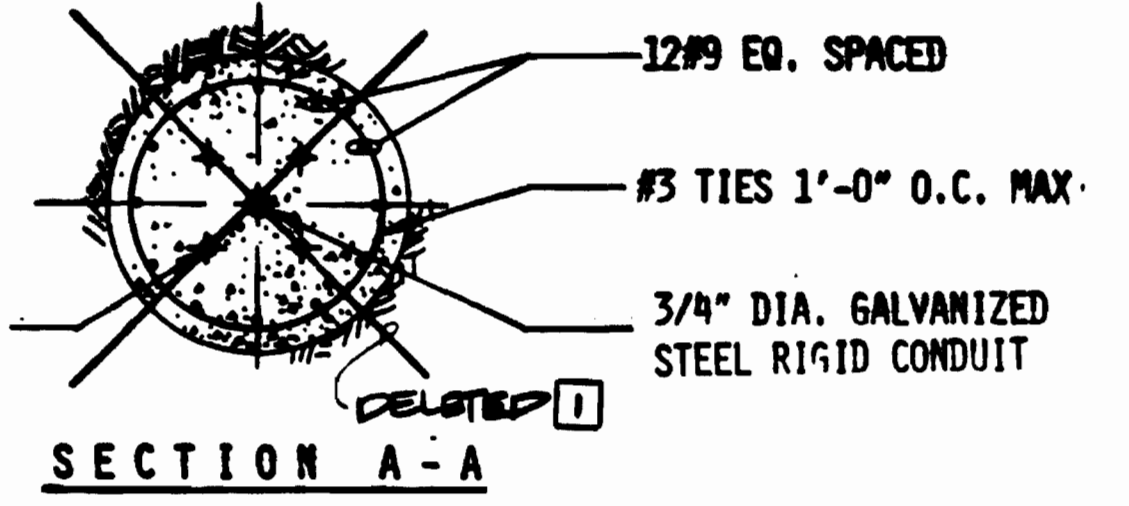
UTILITY STANDARD DRAWING
 ABBREVIATIONS, SYMBOLS & GENERAL NOTES
 SECTION NO. FA11

SCALE: NOT TO SCALE

DRAWING NO. ST-U-14 M3-4-21

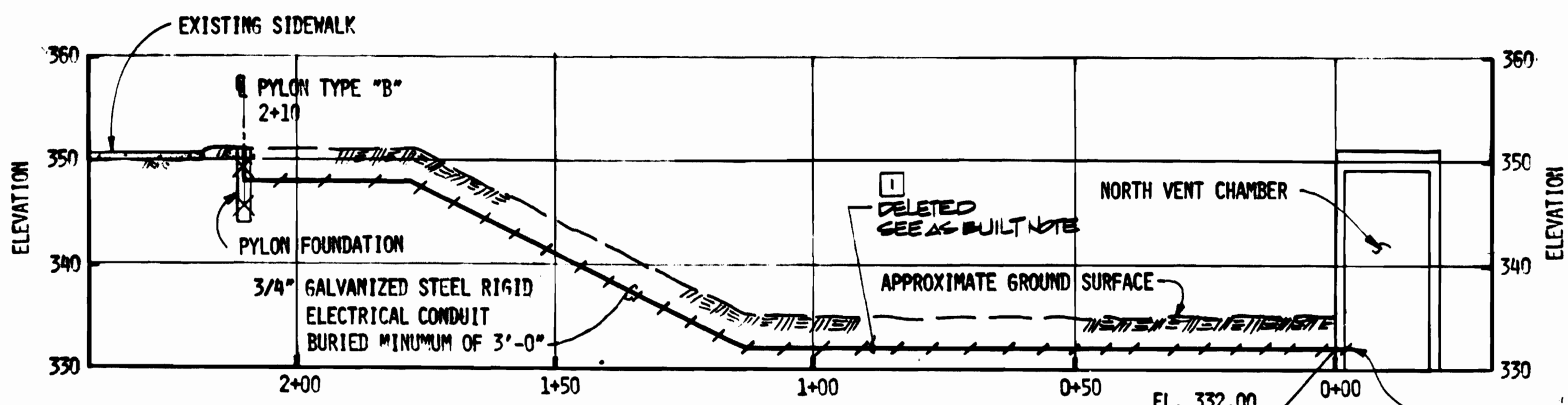


DETAIL 1
NOT TO SCALE

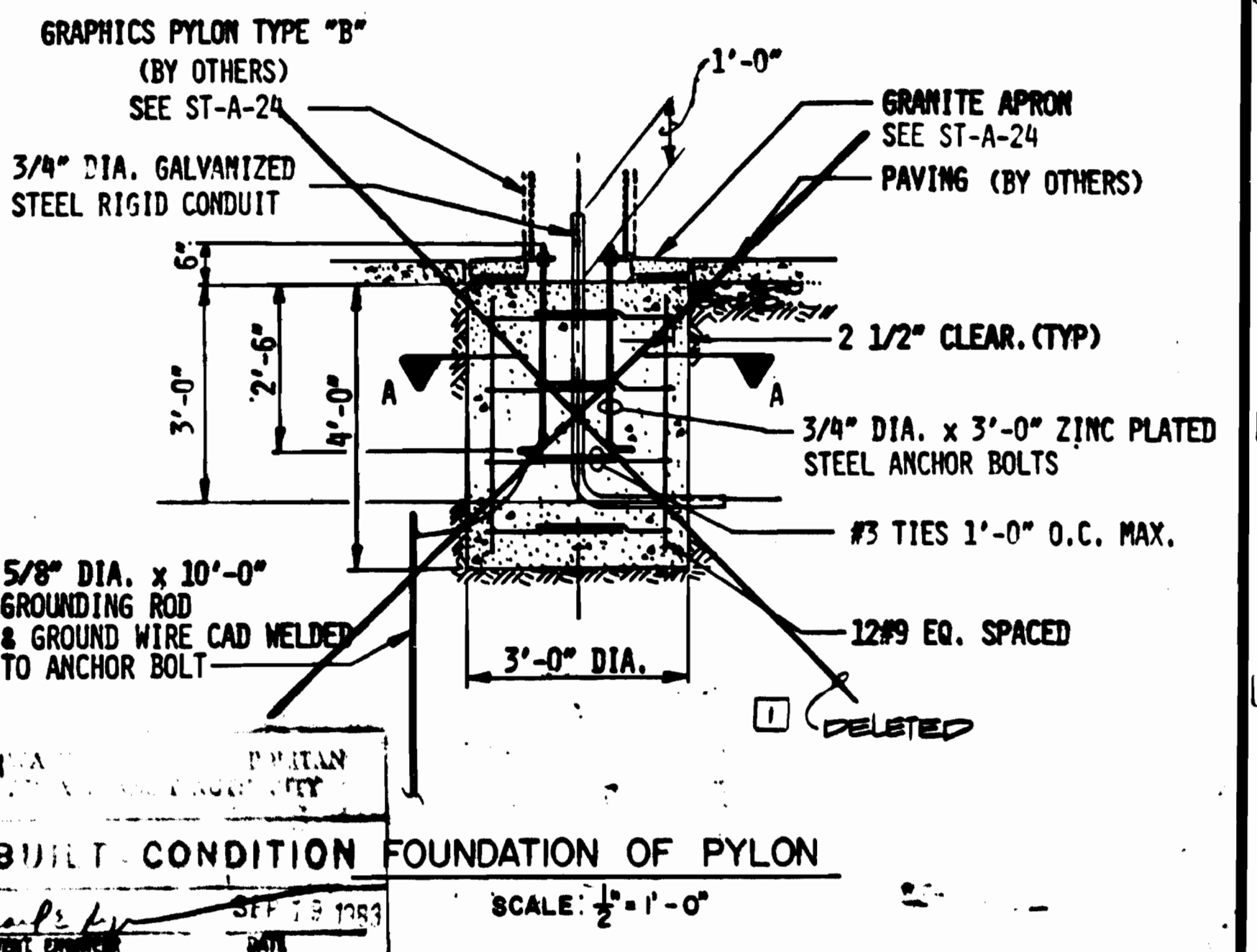


DETAIL 2
NOT TO SCALE

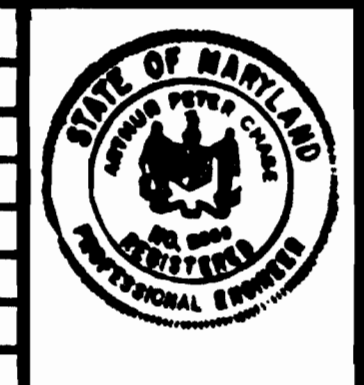
AS BUILT NOTE:
DELETED ALL GRADING AND BACKFILL EXCEPT FOR THAT REQUIRED FOR THE 480V FEED TO THE CHILLER PLANT AND AS DIRECTED BY THE RESIDENT ENGINEER.



PROFILE
3/4" GALVANIZED STEEL RIGID ELECTRICAL CONDUIT
HORIZ. 1" = 20'
VERT. 1" = 10'



DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
L.J. LORIG	06-28-80	ST-U-14	SYMBOLS	07-10-82	HLR	DELETED BACKFILL & GRADING FOR
E.L. BURNETT	06-27-80	SP-3	SURVEY			PCO-76 AS BUILT
L.J. LORIG	07-03-80					
L.J. LORIG	07-14-80					



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • DEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHIER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED _____ DATE _____ APPROVED _____

**ROCKVILLE ROUTE
BETHESDA STATION
COMPOSITE UTILITIES**

SCALE: 1" = 20'

DRAWING NO. **FALL-U-2**

M334-22

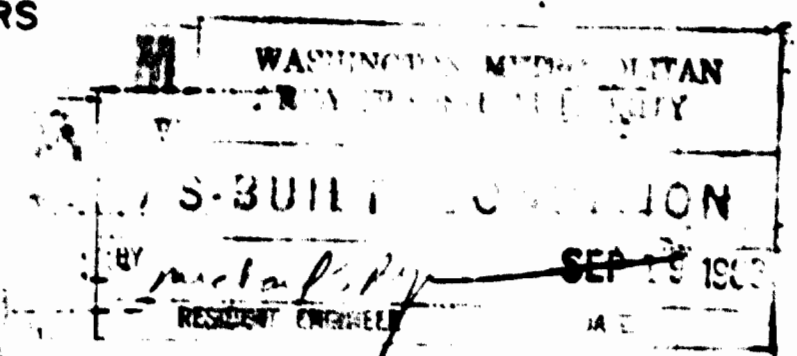
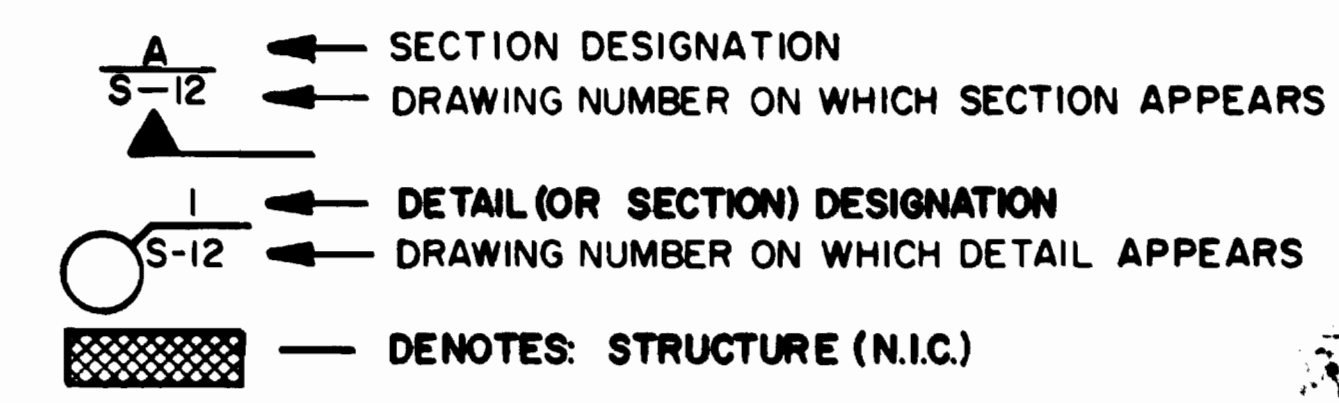
ABBREVIATIONS

A.A.S.H.T.O. - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	DWLS. - DOWELS	L.W.P. - LOWER WORK POINT
ABT. - ABOUT	DWG. - DRAWING	M.B.T. - MACHINE BORED TUNNEL
ASB. CEM. - ASBESTOS CEMENT (PIPE)	EA. - EACH	M.H. - MANHOLE
A.C.I. - AMERICAN CONCRETE INSTITUTE	E.F. - EACH FACE	MAX. - MAXIMUM
ADD'N. - ADDITIONAL	E.W. - EACH WAY	MECH. - MECHANICAL
AHD. - AHEAD	EL. - ELEVATION	MEZZ. - MEZZANINE
A.I.S.C. - AMERICAN INSTITUTE OF STEEL CONSTRUCTION	ELEC. - ELECTRICAL	MIN. - MINIMUM
ALT. - ALTERNATE	EQ. - EQUAL	MISC. - MISCELLANEOUS
ANCH. - ANCHOR	EQN. - EQUATION	N. - NORTH
AB. - ANCHOR BOLT	EQUIP. - EQUIPMENT	N.I.C. - NOT IN CONTRACT
APPROX. - APPROXIMATE	EXIST. - EXISTING	NO. OR # - NUMBER
ARCH. - ARCHITECTURAL	EXP. - EXPANSION	OPP. - OPPOSITE
ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS	EXT. - EXTERIOR	O.C. OR O/C - ON CENTER
AVE. - AVENUE	FT. - FEET OR FOOT	OPNG. - OPENING
BAL. - BALANCE	FIN. - FINISH	O.B. - OUTBOUND
BK. - BACK	FLG. - FLANGE	O.D. - OUTSIDE DIAMETER
B. PL. - BASE PLATE OR BEARING PLATE	FL. - FLOOR OR FULL LENGTH	PL. - PLATE
BSMT. - BASEMENT	F.D. - FLOOR DRAIN	PLATF. - PLATFORM
BM. - BEAM	FTG. - FOOTING	PT. - POINT
BRG. - BEARING	GA. - GAGE	P.C. - POINT OF CURVE
BEGIN. - BEGINNING	GALV. - GALVANIZED	P.I. - POINT OF INTERSECTION
BTWN. - BETWEEN	GIRD. - GIRDER	P.I.T.O. - POINT OF INTERSECTION OF POINT OF TURNOUT
B. OR BOT. - BOTTOM	G.W.L. - GROUND WATER LEVEL	P.S. - POINT OF SWITCH
BLDG. - BUILDING	H.P. - HIGH POINT	P.O.T. - POINT ON TANGENT
BLVD. - BOULEVARD	H.P.R. - HYDROSTATIC PRESSURE RELIEF	P.C.F. - POUNDS PER CUBIC FOOT
CL. - CLEAR, CLEARANCE	H.S. - HIGH STRENGTH	P.L.F. - POUNDS PER LINEAR FOOT
COL. - COLUMN	H.K. - HOOK	P.S.F. - POUNDS PER SQUARE FOOT
CONC. - CONCRETE	HORIZ. OR H - HORIZONTAL	P.S.I. - POUNDS PER SQUARE INCH
CONN. - CONNECTION	I.B. - INBOUND	P.V.C. - POINT OF VERTICAL CURVE
CONST. - CONSTRUCTION	I.D. - INSIDE DIAMETER OR INSIDE DIMENSION	PVC. - POLYVINYL CHLORIDE
CONTR. JT. - CONTRACTION JOINT	IN. - INCH	PREC. - PRECAST
CONT. - CONTINUOUS	INT. - INTERIOR	R. - RADIUS
C.O. - CLEAN OUT	ISOL. - ISOLATION	REF. - REFERENCE
D.L. - DEAD LOAD	JT. - JOINT	REINF. - REINFORCING OR REINFORCEMENT
DET. - DETAIL	KIP. - 1000 POUNDS	REM'D - REMOVED
DIA. - DIAMETER	KSF. - KIPS PER SQUARE FOOT	REQ'D - REQUIRED
DIAG. - DIAGONAL	KSI. - KIPS PER SQUARE INCH	RKVL. - ROCKVILLE
D.I.F. - DEFINED INSIDE FACE	K.O. - KNOCK-OUT	RM. - ROOM
DIM. - DIMENSION	LBS. - POUNDS	RTE. - ROUTE
DN. - DOWN	L.L. - LIVE LOAD	SCHED. - SCHEDULE
DO. - DITTO	LG. - LONG	S.E. - SUPERELEVATION
	LONG. - LONGITUDINAL	SECT. - SECTION
	L.L.H. - LONG LEG HORIZONTAL	SIM. - SIMILAR
	L.L.V. - LONG LEG VERTICAL	
	L.P. - LOW POINT	

STRUCTURAL NOTES

- DIMENSIONS AND ELEVATIONS GIVEN FOR EXISTING WORK ARE BASED ON OTHER CONTRACTS AS DESIGNED. CONTRACTOR SHALL CHECK AS BUILT CONDITION FOR POSSIBLE VARIANCE FROM CONTRACT DWGS.
 - ALL DIMENSIONS AND ELEVATIONS FOR STAIRS AND LADDERS TO BE VERIFIED IN FIELD BY CONTRACTOR.
 - ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS 3,500 PSI. PRECAST CONCRETE SHALL BE CLASS 5,000 PSI.
 - EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4" x 1/4" UNLESS OTHERWISE NOTED.
 - ALL BOLTED CONNECTIONS SHALL BE FRICTION TYPE CONNECTIONS. BOLTS NOT OTHERWISE SHOWN SHALL BE 3/4" DIA. IN 1 1/16" DIA. HOLES.
 - WELDED CONNECTIONS WITHOUT WELD SIZE SHALL BE MADE WITH 1/4" FILLET WELDS ALL AROUND.
- 3rd DESIGN OF REINFORCED CONCRETE IS BASED UPON THE "ACI STANDARD BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-77)
- 4th REINFORCING STEEL DESIGN STRESS IS AS FOLLOWS :-
 1. 24,000 PSI (ASTM A615-GRADE 60)
 2. 30,000 PSI (ASTM A195)
 W/W F
 SPLICES AND EMBEDMENT LENGTHS NOT GIVEN SHALL BE ASSUMED TO BE IN TENSION AND SHALL CONFORM TO THE REQUIREMENTS OF THE ABOVE MENTIONED CODE.
- 5th DESIGN OF STRUCTURAL STEEL IS BASED UPON "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" ADOPTED FEB. 12, 1969 BY THE AISC AND ITS SUPPLEMENTS.
7. FOOTINGS ALL SPREAD FOOTINGS ARE DESIGNED FOR SPECIFIC ALLOWABLE BEARING CAPACITY NOTED ON THE DRAWINGS. NO FOOTINGS SHALL BE CONSTRUCTED UNTIL THE FOOTING BOTTOM ELEVATIONS AND THE ALLOWABLE BEARING CAPACITIES ARE VERIFIED BY THE ENGINEER.

SYMBOLS



DESIGNED	W.S.	8-15-88
DRAWN	E.V. ROUGO	8-15-88
CHECKED	S.H.S.	8-15-88
APPROVED	S.H.S.	8-15-88

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

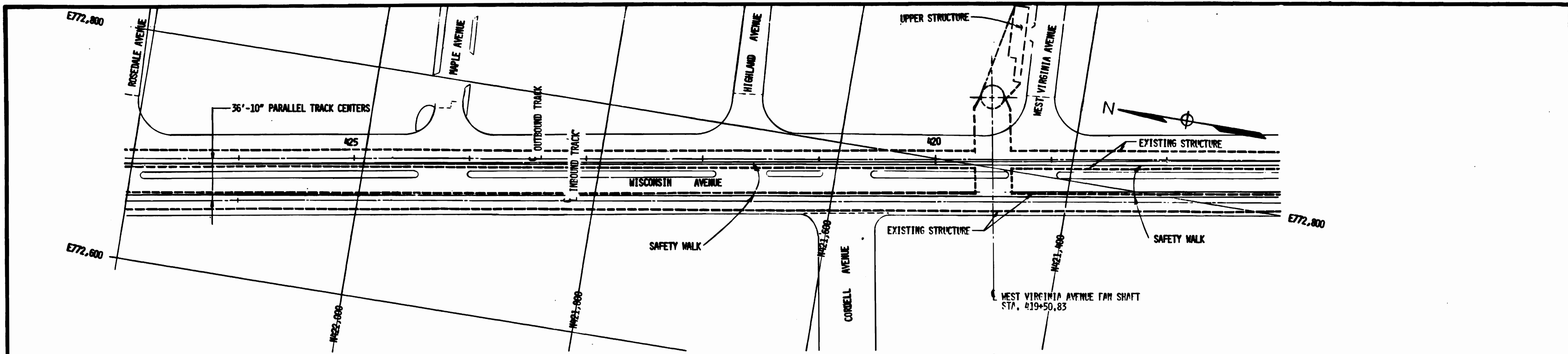
HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *August 9, 1988* DATE 8-15-88 APPROVED *Paul J. ...*

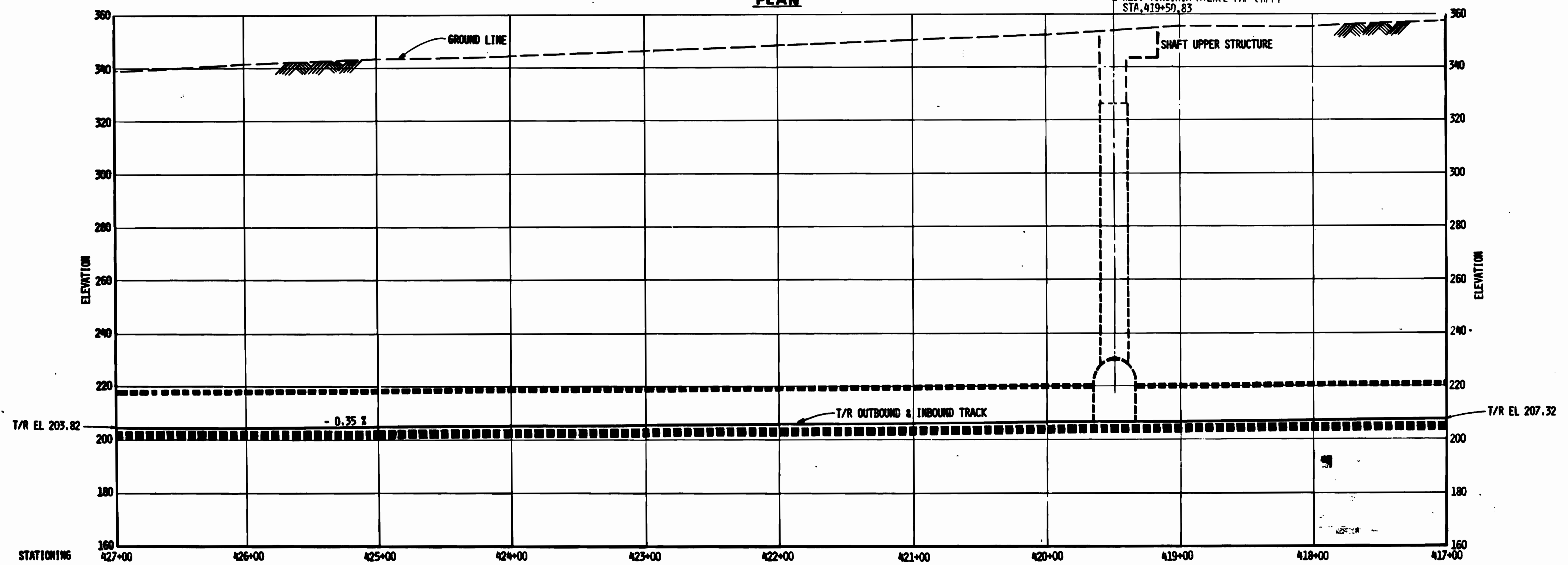
ROCKVILLE ROUTE

ABBREVIATIONS, SYMBOLS AND STRUCTURAL NOTES

SCALE NONE DRAWING NO. **FAI-S-100 M334-23**



PLAN



PROFILE

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 AS-BUILT CONDITION
 BY: *[Signature]* SEP 19 1983
 RESIDENT ENGINEER

DESIGNED *A.B. WIEGAND* 4-4-78
 DATE
 DRAWN *A.L. BIRNIEP* 4-12-78
 DATE
 CHECKED *E.L. BURNETT* 4-13-79
 DATE
 APPROVED *John D. [Signature]* 7-14-80
 DATE

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

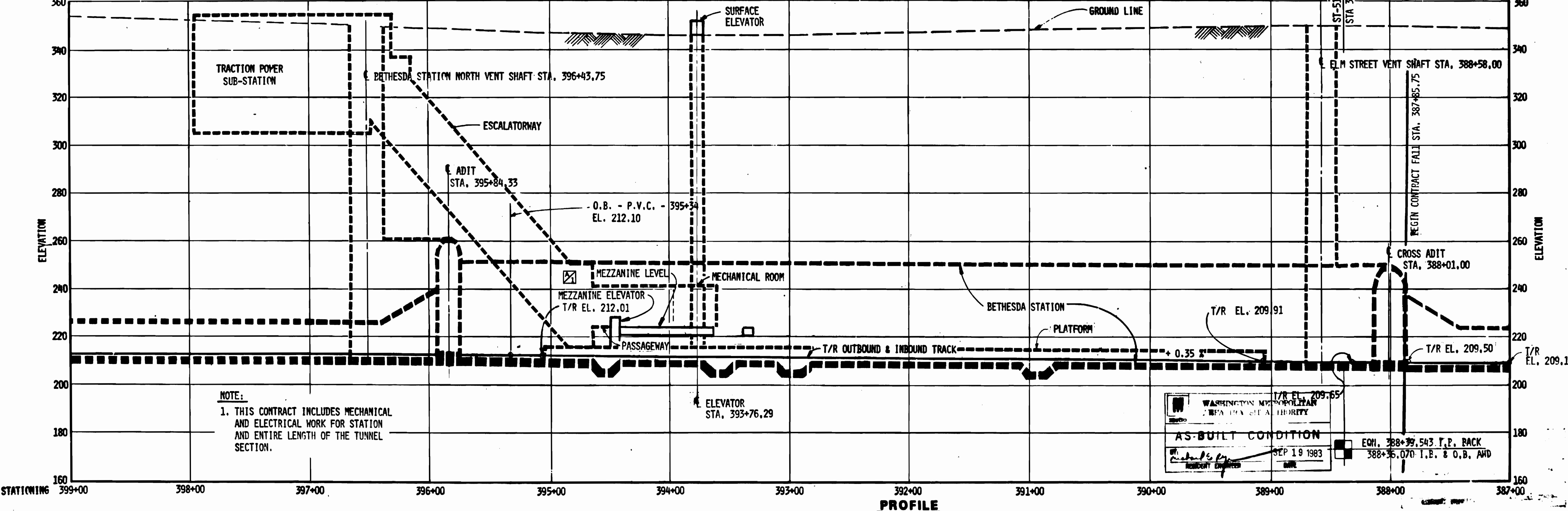
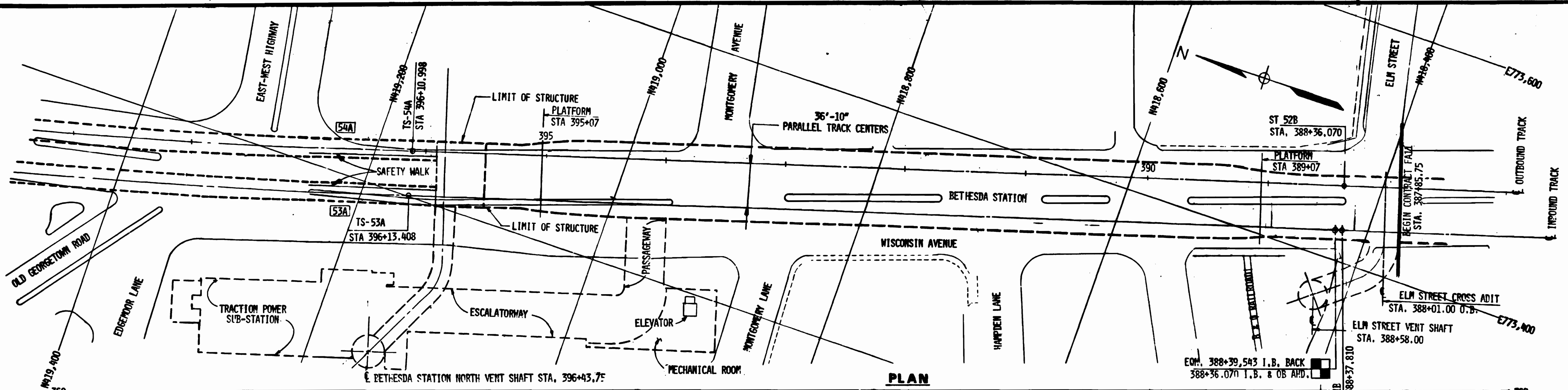
MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER
 SUBMITTED *[Signature]* DATE 8-14-80

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT
 HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT
 APPROVED *[Signature]*

ROCKVILLE ROUTE
KEY PLAN AND PROFILE
WEST VIRGINIA AVENUE FAN SHAFT

SCALE
 HORIZ. 1"=40'
 VERT. 1"=20'

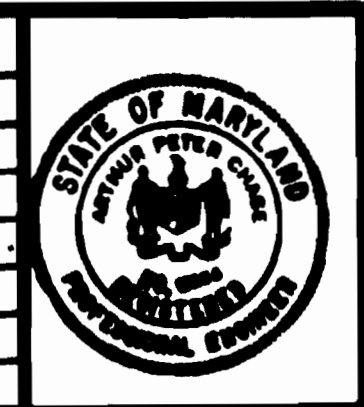
DRAWING NO. **FA11-S-1** M334-24



DESIGNED	A.B. WISBAND	4-8-78
DATE		
DRAWN	J.L. BISHOP	4-8-78
DATE		
CHECKED	E.L. BURNETT	9-6-79
DATE		
APPROVED	<i>John P. ...</i>	9-11-80
DATE		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	9-11-80	DKB ADDED STRUCTURAL CALLOUTS



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

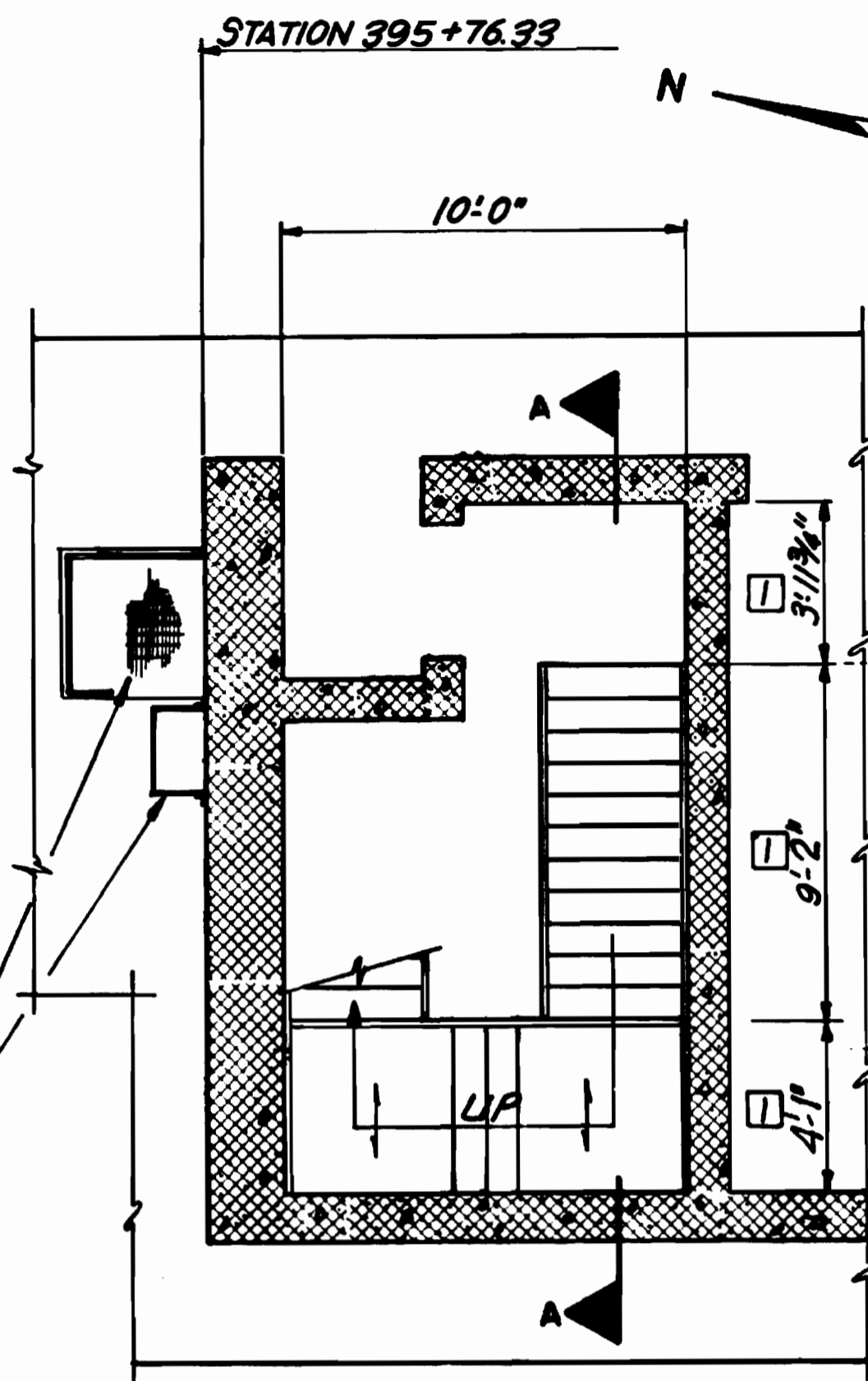
SUBMITTED *APL* DATE 8-14-80 APPROVED *Paul H. ...*

ROCKVILLE ROUTE
KEY PLAN AND PROFILE
BETHESDA STATION

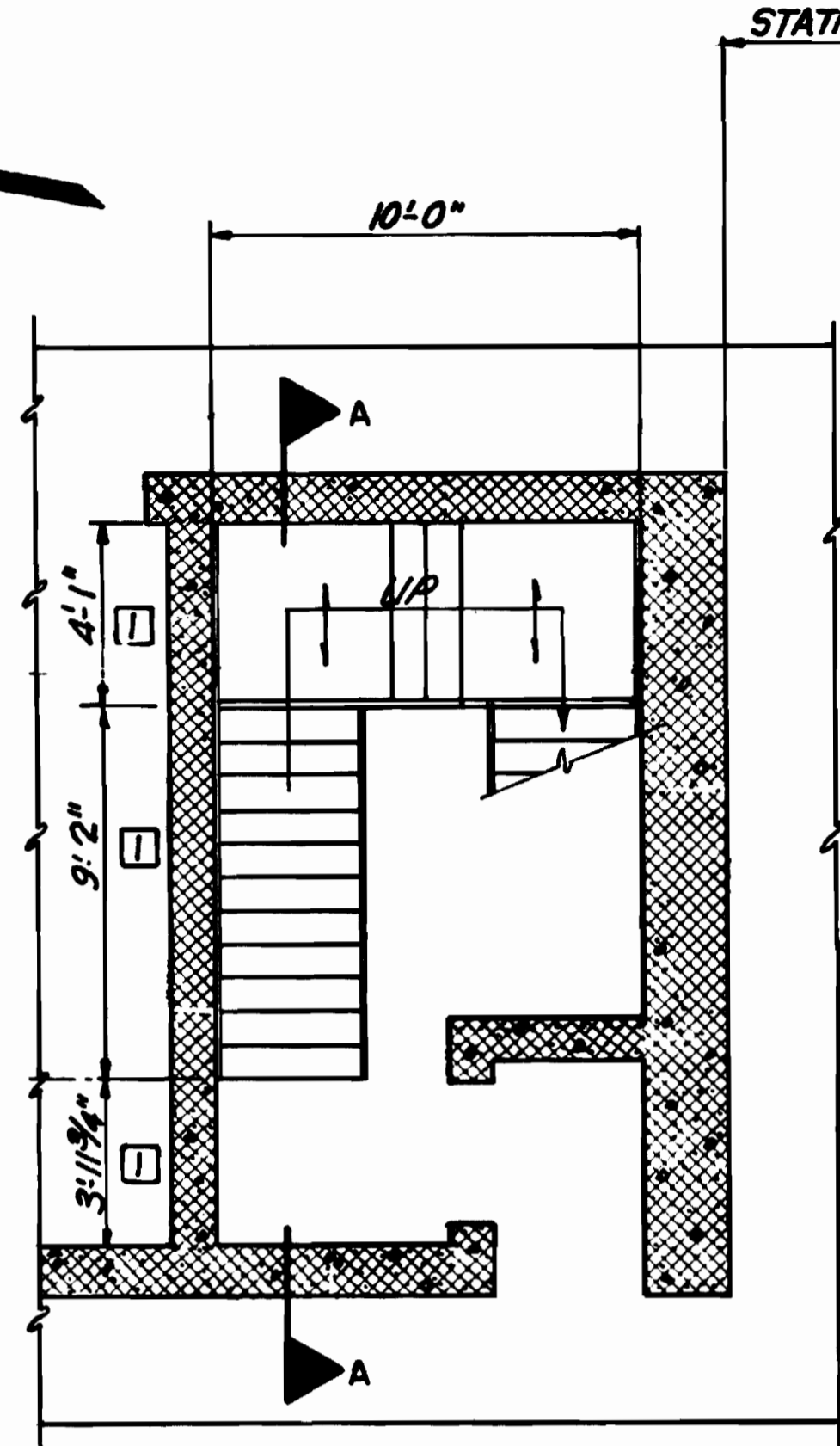
SCALE
HORIZ. 1"=40'
VERT. 1"=20'

DRAWING NO.
FA 11-S-2 M334-25

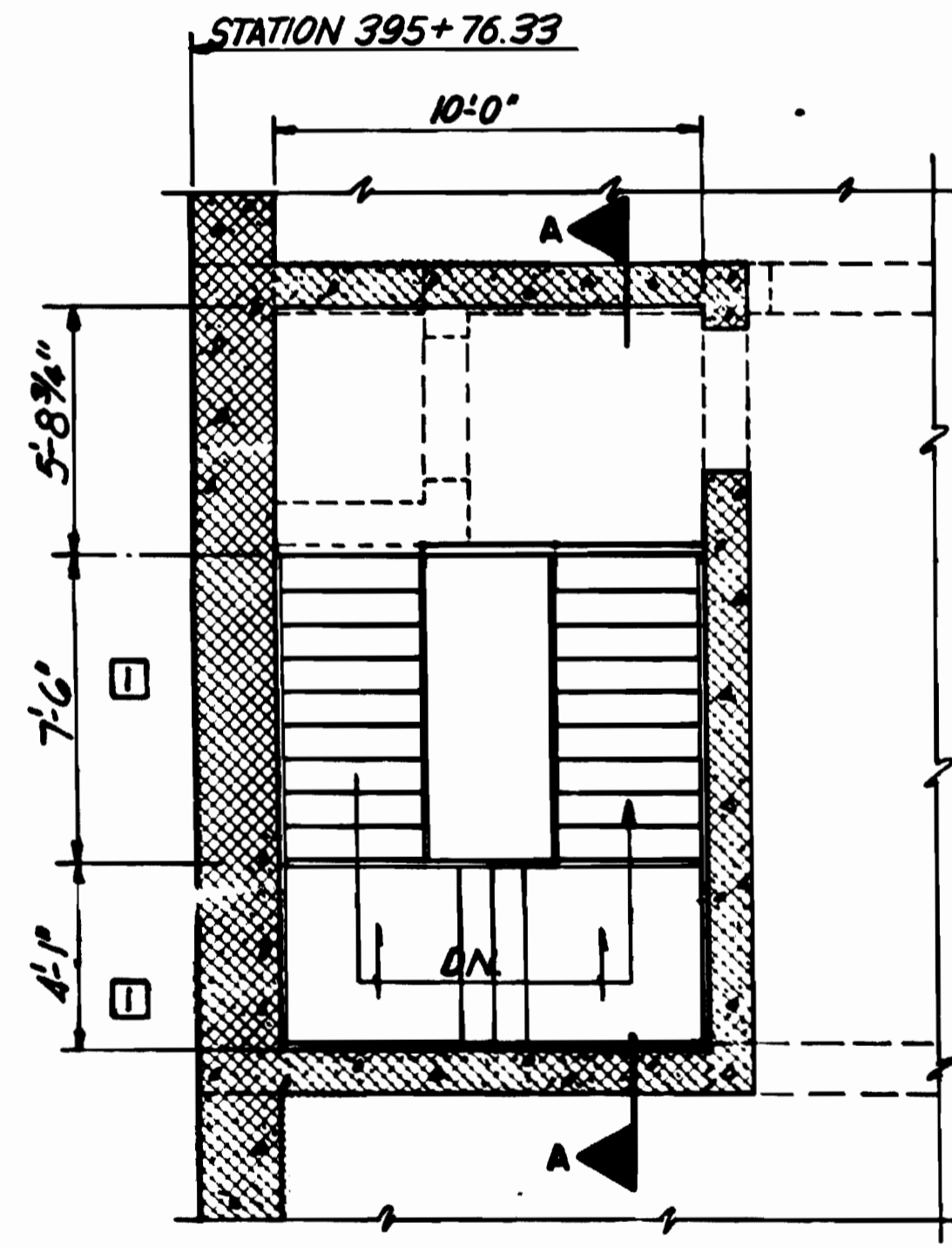
PLATFORM AT EL. 223.75 - FOR DETAILS OF PLATFORM AND LADDER SEE DWG. S-107



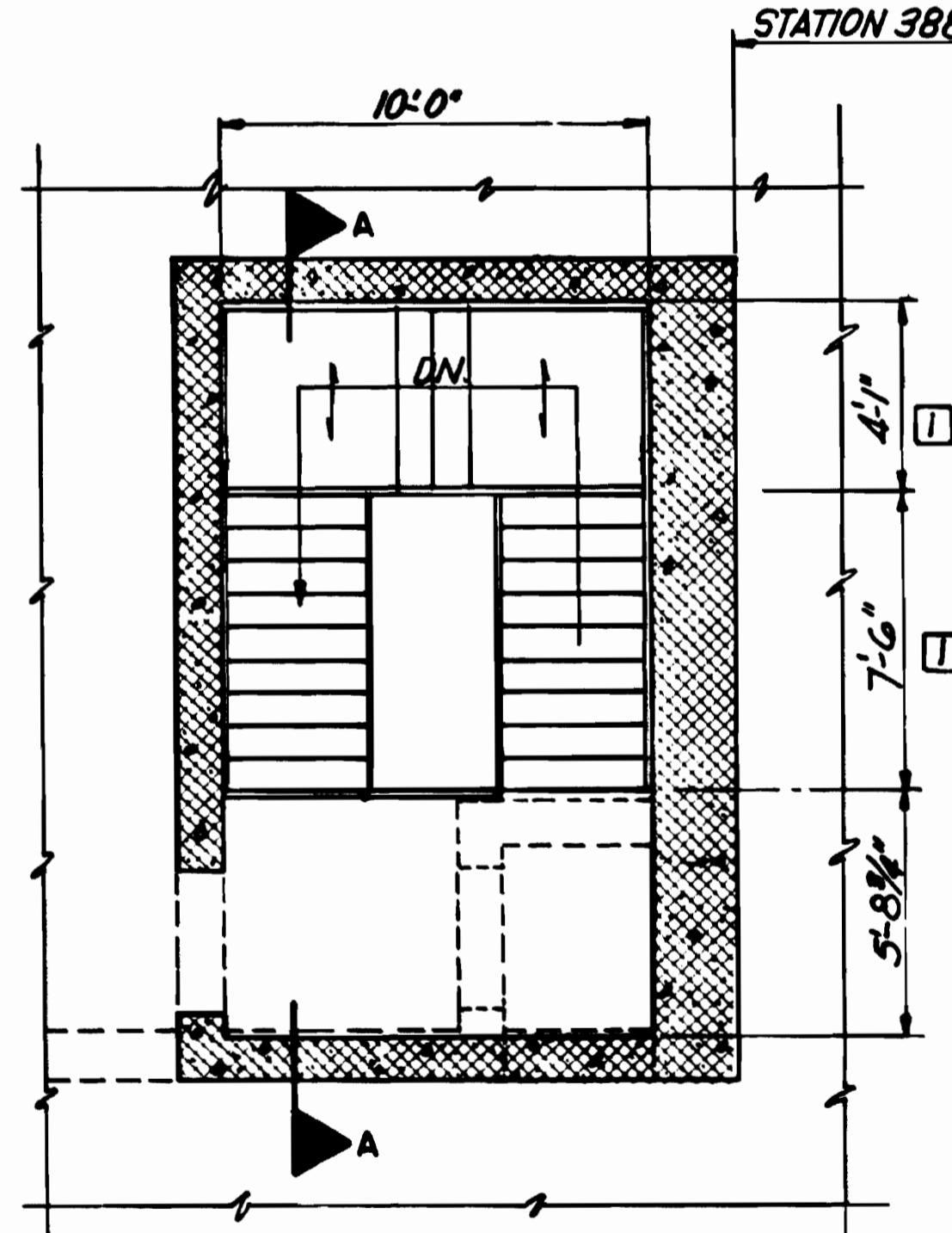
NORTH STAIR - LOWER LEVEL



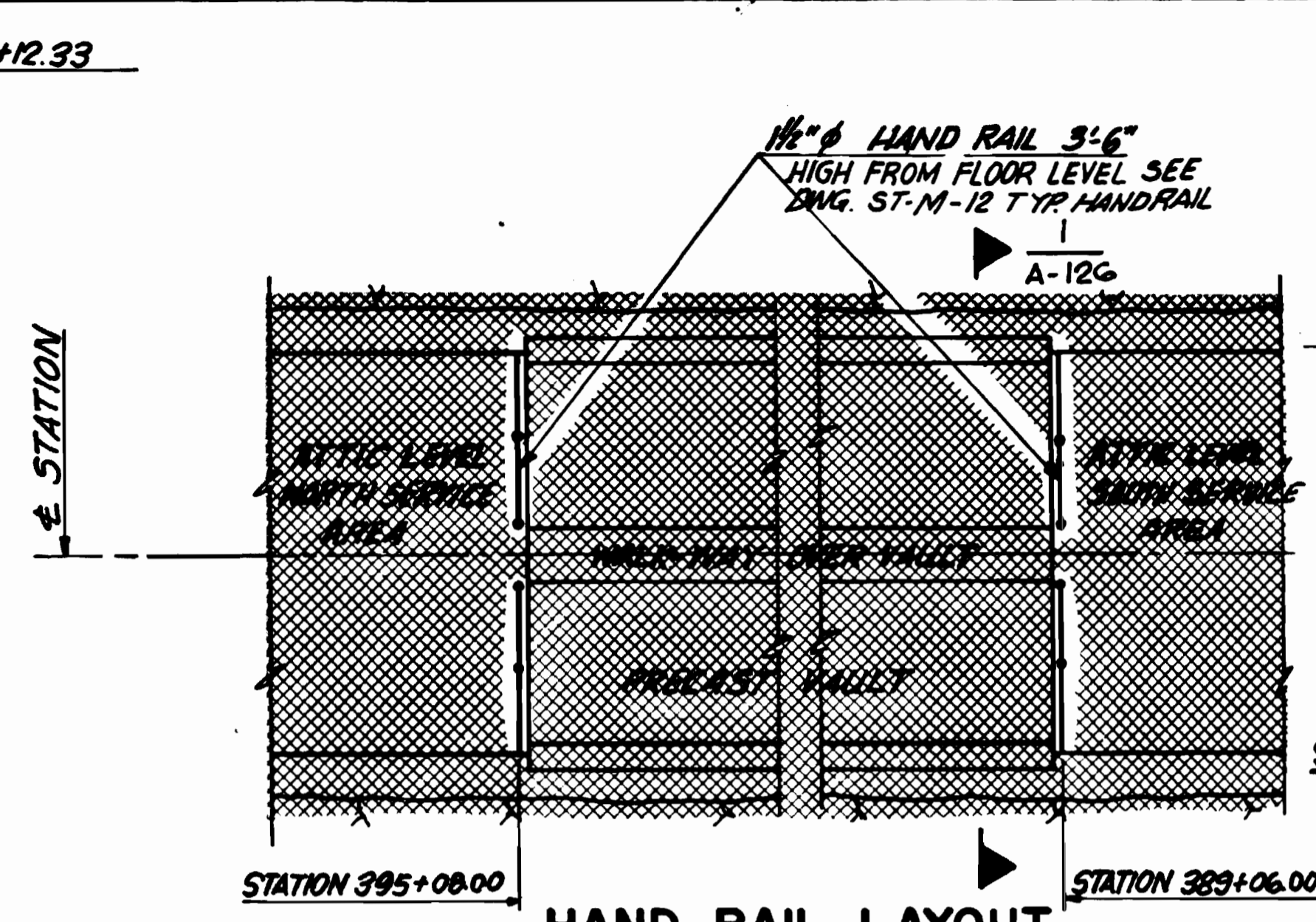
SOUTH STAIR - LOWER LEVEL



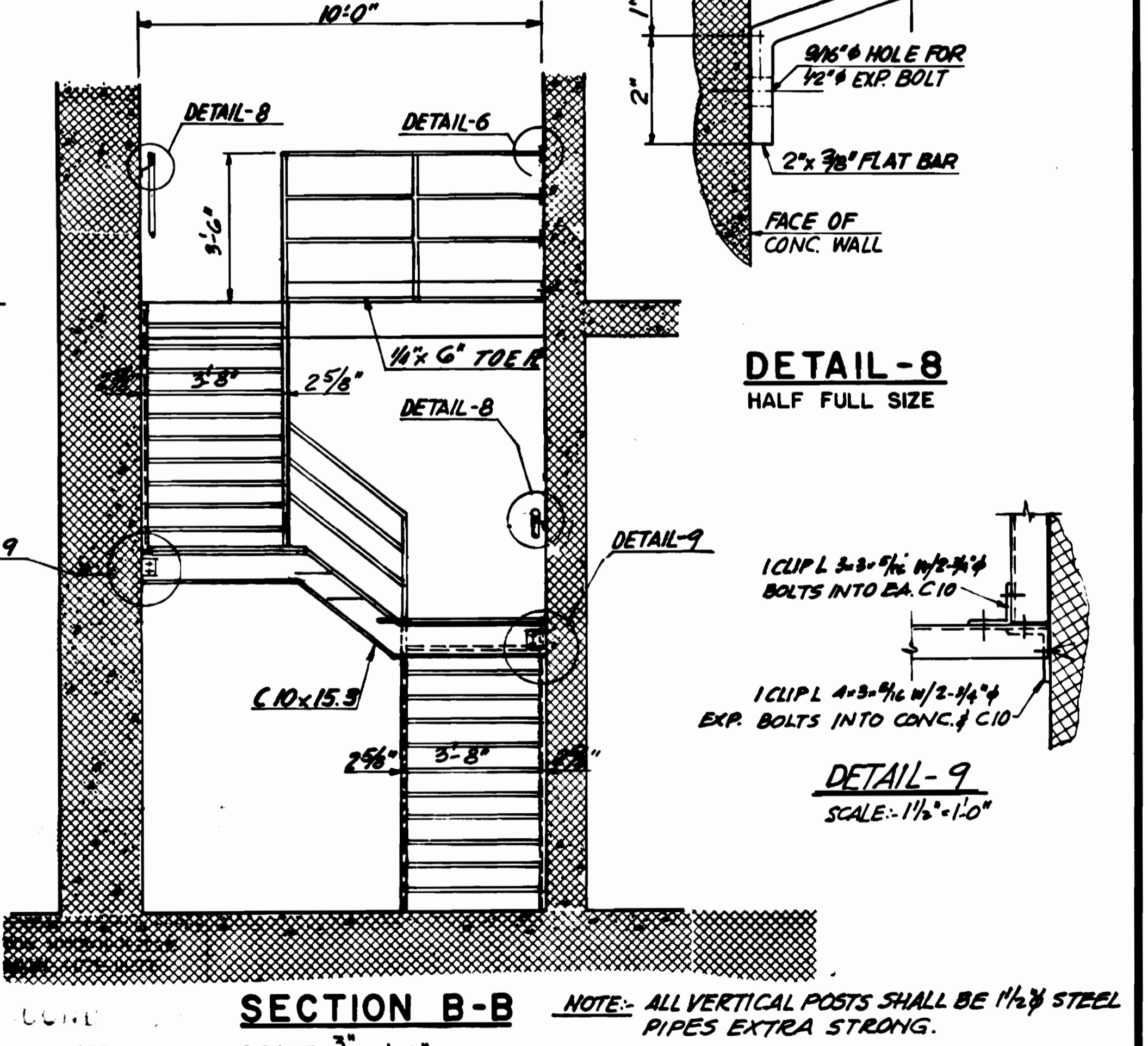
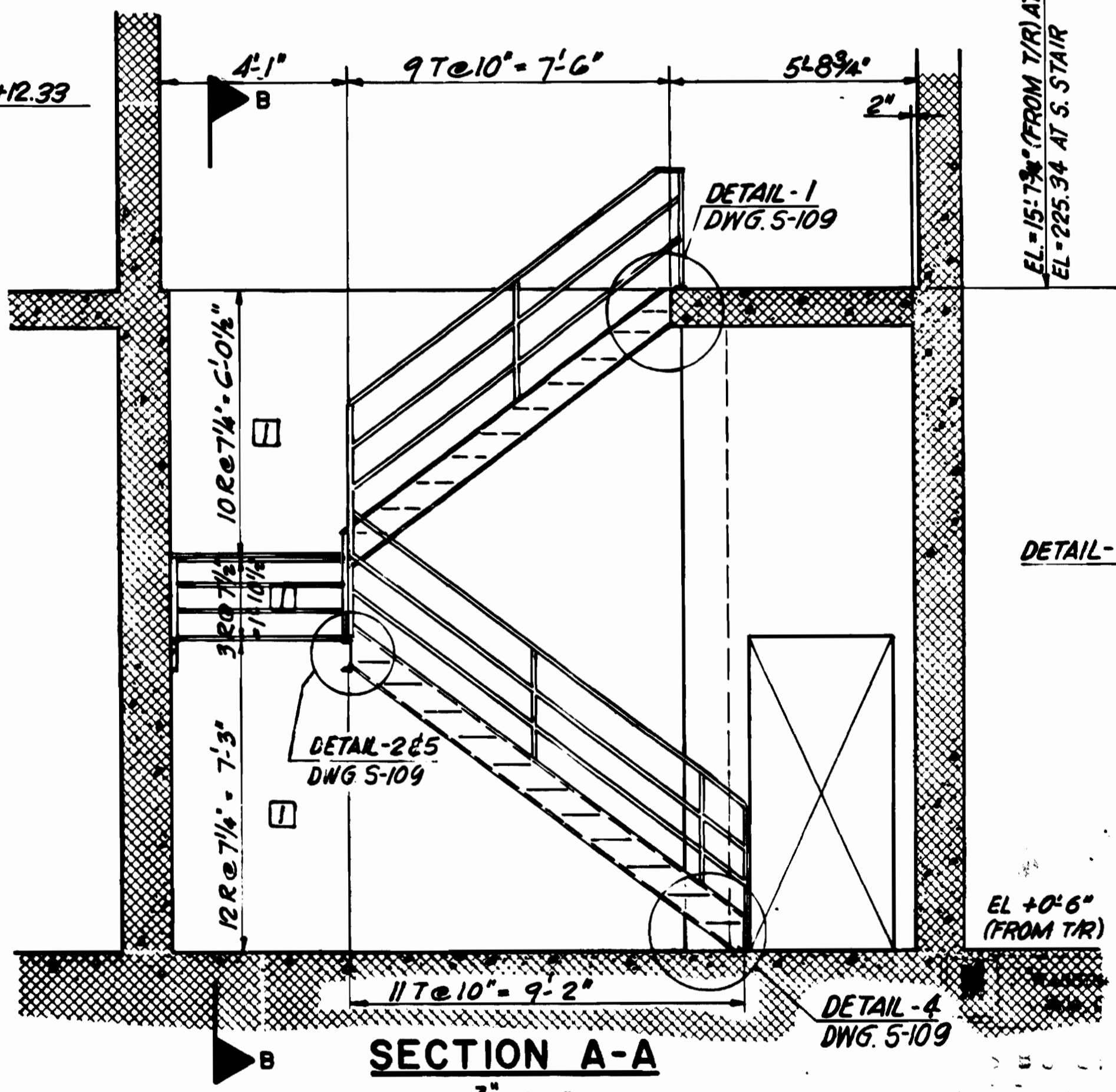
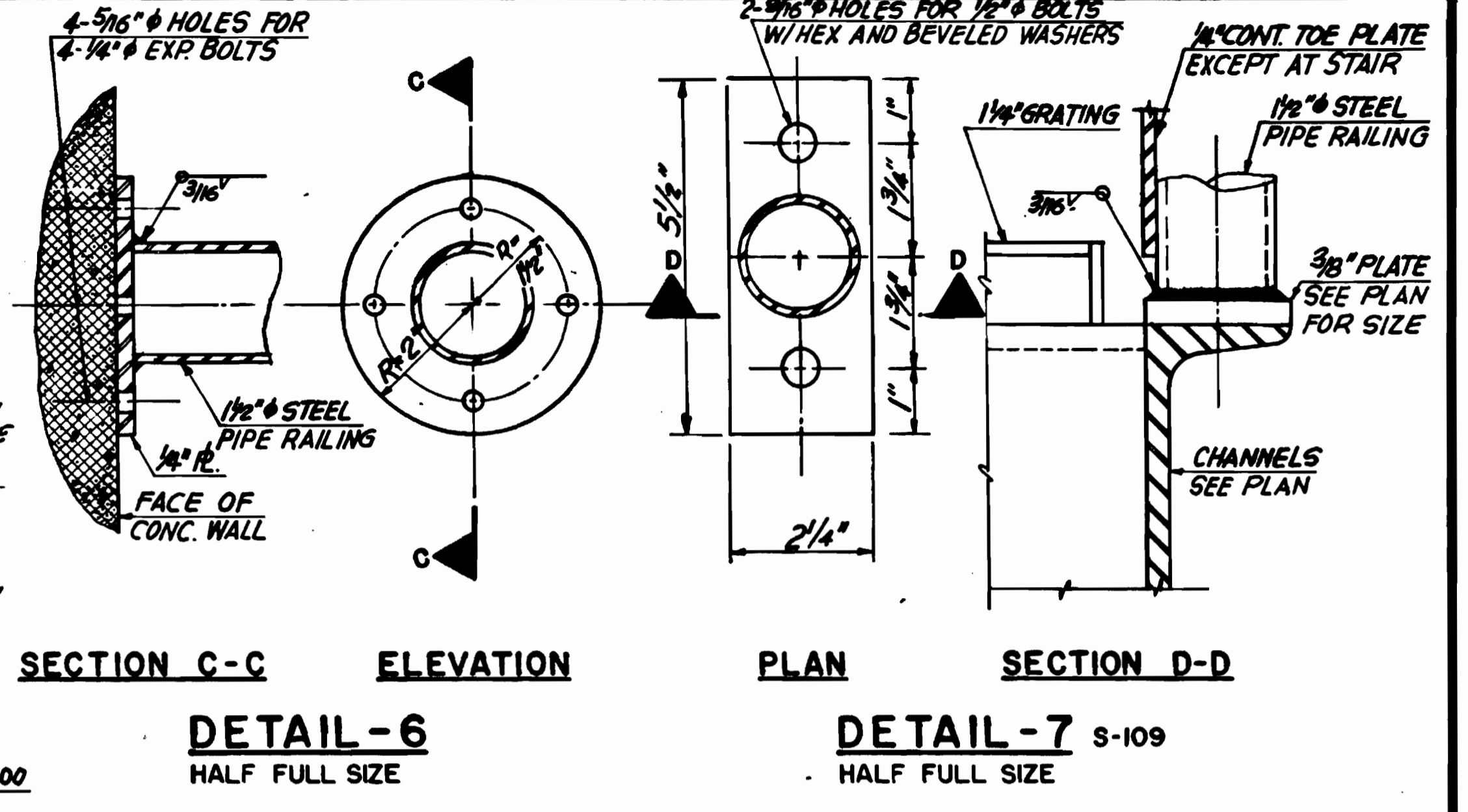
NORTH STAIR - UPPER LEVEL



SOUTH STAIR - UPPER LEVEL

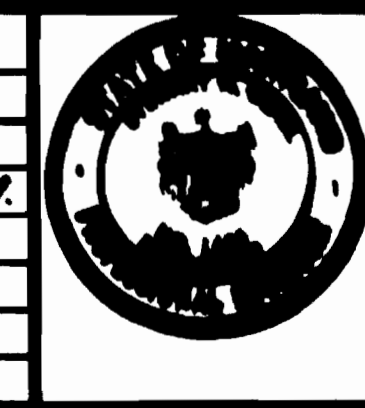


HAND RAIL LAYOUT AT ATTIC LEVEL
NO SCALE:



DESIGNED	S.C.T.	8-15-80	DATE
DRAWN	F.V. ROUQUO	8-15-80	DATE
CHECKED	S.C.T.	8-15-80	DATE
APPROVED	S.M.B.	8-15-80	DATE

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
M-16	LOCATION OF STAIRS	7-15-80	W.S.
S-100	ABBREVIATIONS & STRUCTURAL NOTES		
S-109	STAIR DETAILS AND NOTES		



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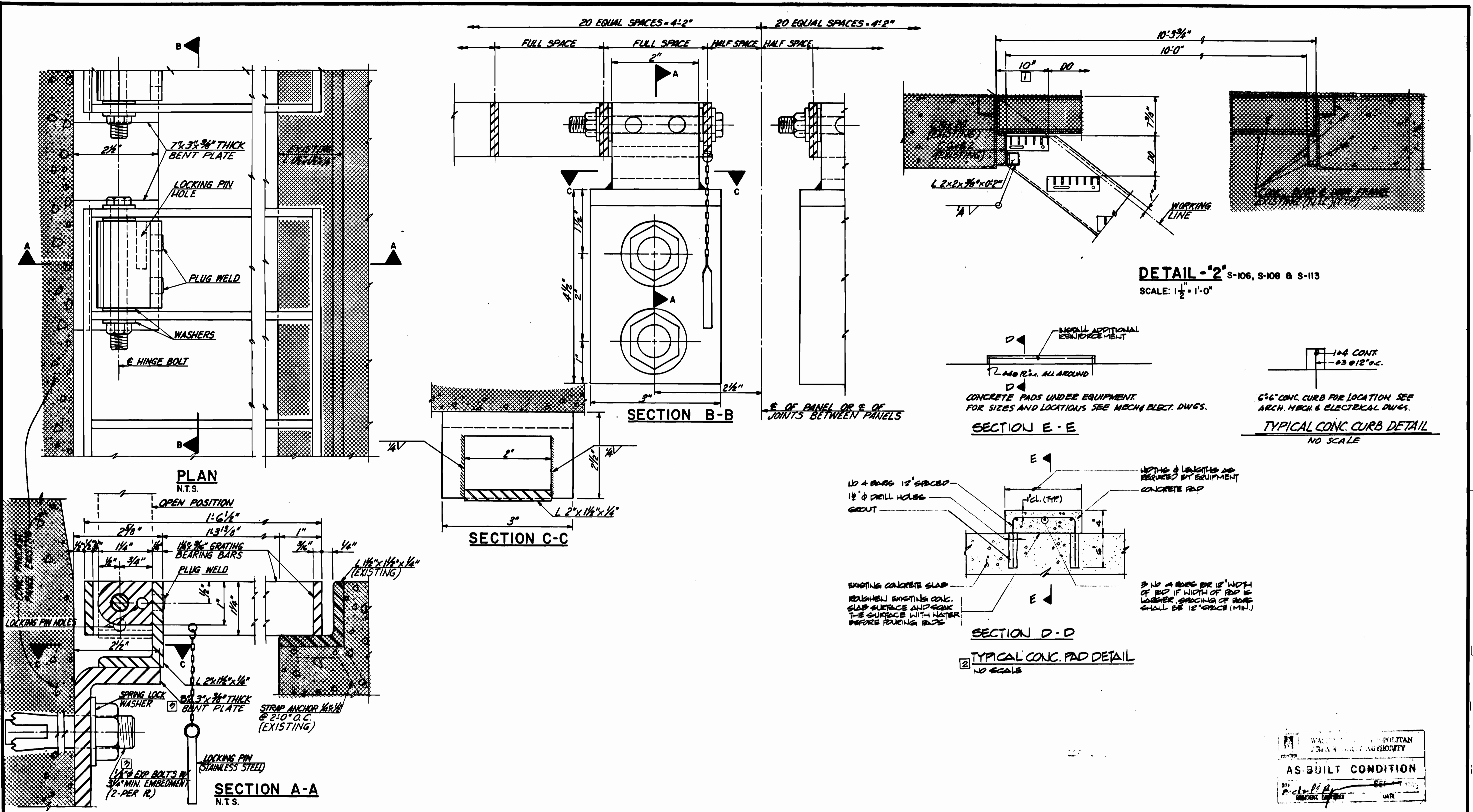
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Stewart at Home* DATE 8-15-80 APPROVED *[Signature]*

ROCKVILLE ROUTE
BETHESDA STATION - SERVICE AREAS
NORTH AND SOUTH STAIRS

SCALE: 1/4" = 1'-0" 1 0 1 2 3 4 5 AND AS NOTED

DRAWING NO. **Fall-S-102 M334-27**



DETAIL - 2' S-106, S-108 & S-113
SCALE: 1 1/2" = 1'-0"

TYPICAL CONC. CURB DETAIL
NO SCALE

TYPICAL CONC. PAD DETAIL
NO SCALE

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS-BUILT CONDITION
BY: [Signature]
DATE: [Blank]

DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	NUMBER	DESCRIPTION	DATE	BY
S-100	ABBREVIATIONS & SYMBOLS	9-15-80	W.S.	1	SIZE OF TREADS CHANGED FROM 9 1/4" TO 10"		
A-23	ADDITIONAL SAFETY WALK INFO	6-19-89	HTJ	2	REVISIONS PER FIELD COND. AS BUILT		



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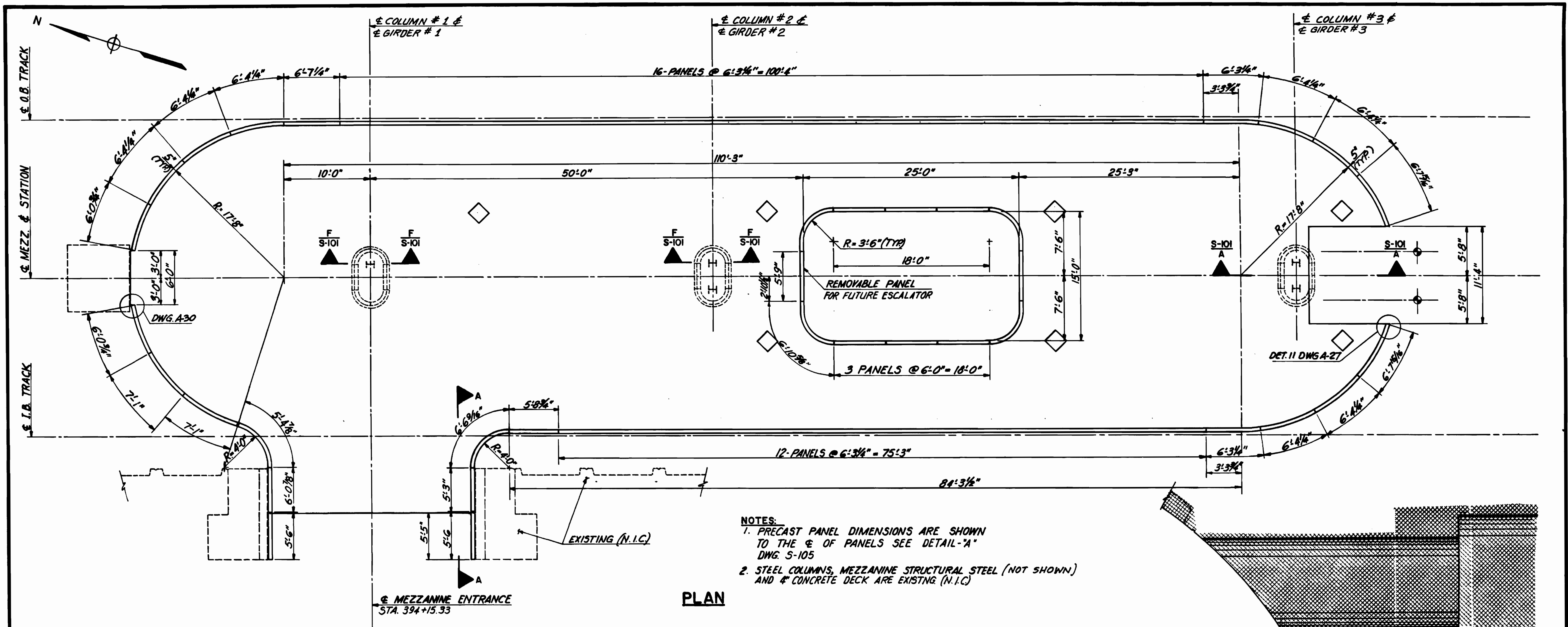
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: [Signature] DATE: 8-18-89 APPROVED: [Signature]

ROCKVILLE ROUTE
BETHESDA STATION SAFETY WALK
GRATING DETAILS

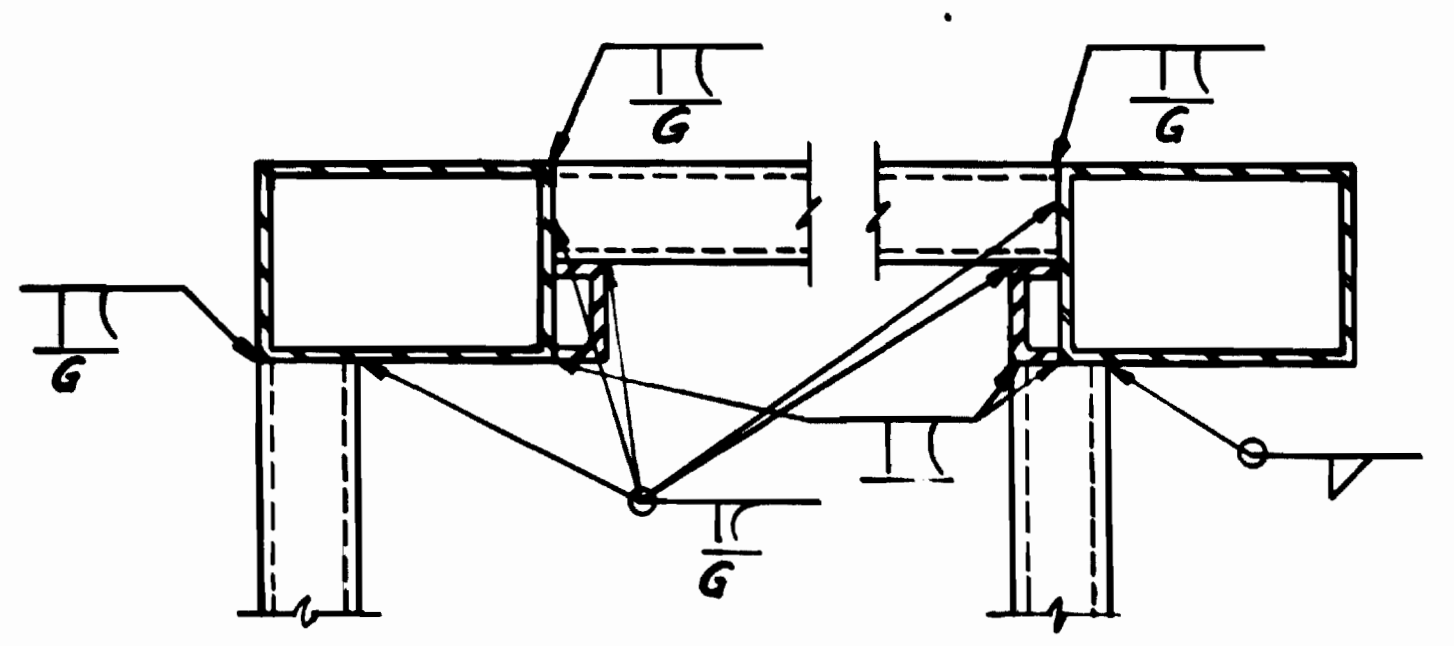
SCALE: FULL SIZE AND AS NOTED

DRAWING NO. **FAI-S-103 M334-28**

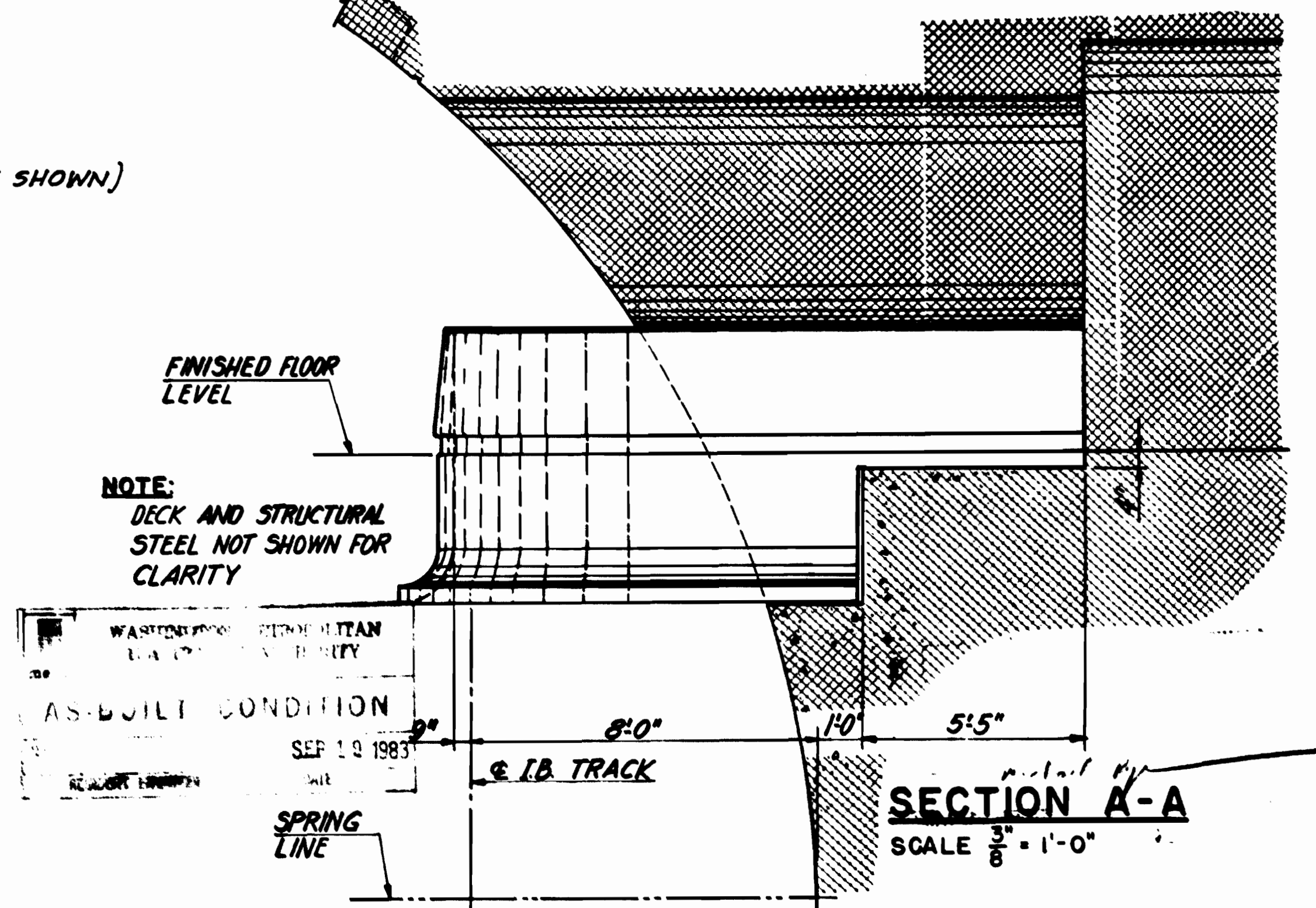


- NOTES:**
1. PRECAST PANEL DIMENSIONS ARE SHOWN TO THE \pm OF PANELS SEE DETAIL-'A' DWG. S-105
 2. STEEL COLUMNS, MEZZANINE STRUCTURAL STEEL (NOT SHOWN) AND $\frac{4}{8}$ CONCRETE DECK ARE EXISTING (N.I.C)

PLAN



ENTRANCE SIDE CORNER PLAN
OPPOSITE TO ENTRANCE CORNER PLAN
ELEVATOR TYPE IVc WELDING DETAIL
 SCALE: 3" = 1'-0" S-112



SECTION A-A
 SCALE: 3/8" = 1'-0"

DESIGNED	E.V. ROUGO	8-19-80	DATE	NUMBER	DESCRIPTION	DATE	BY	REVISIONS	DESCRIPTION
DRAWN	E.V. ROUGO	8-19-80	DATE	S-100	ABBREVIATIONS & STRUCTURAL NOTES				
CHECKED	A.C.T.	8-19-80	DATE	S-105	PRECAST PARAPET SECTION				
APPROVED	E.H.B.	8-19-80	DATE	A-26	ARCHITECTURAL DWG.				
				M-23	MECHANICAL DWG.				



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

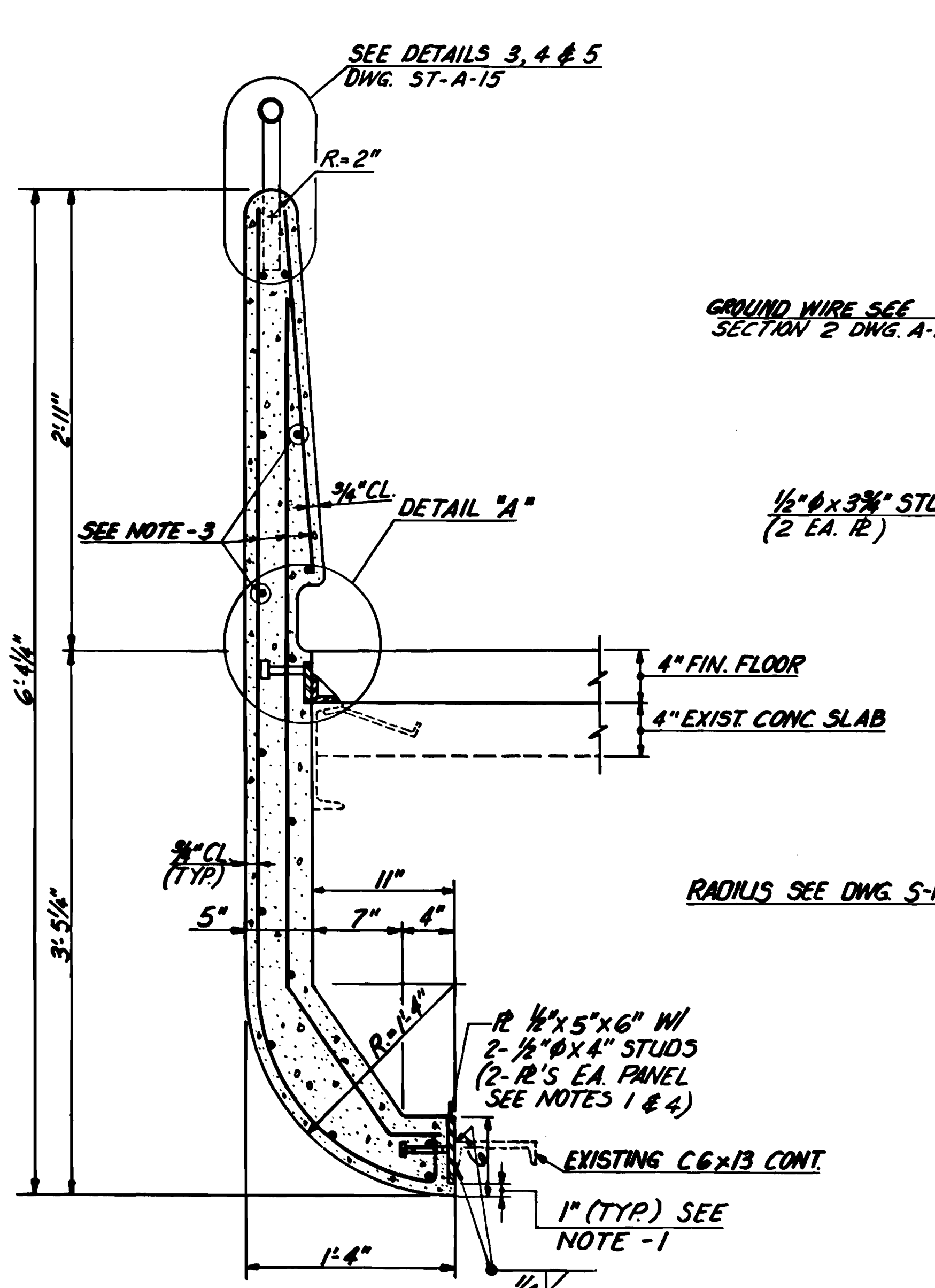
SUBMITTED: *Stewart & Bass* DATE: 8-19-80

APPROVED: *Paul J. [Signature]*

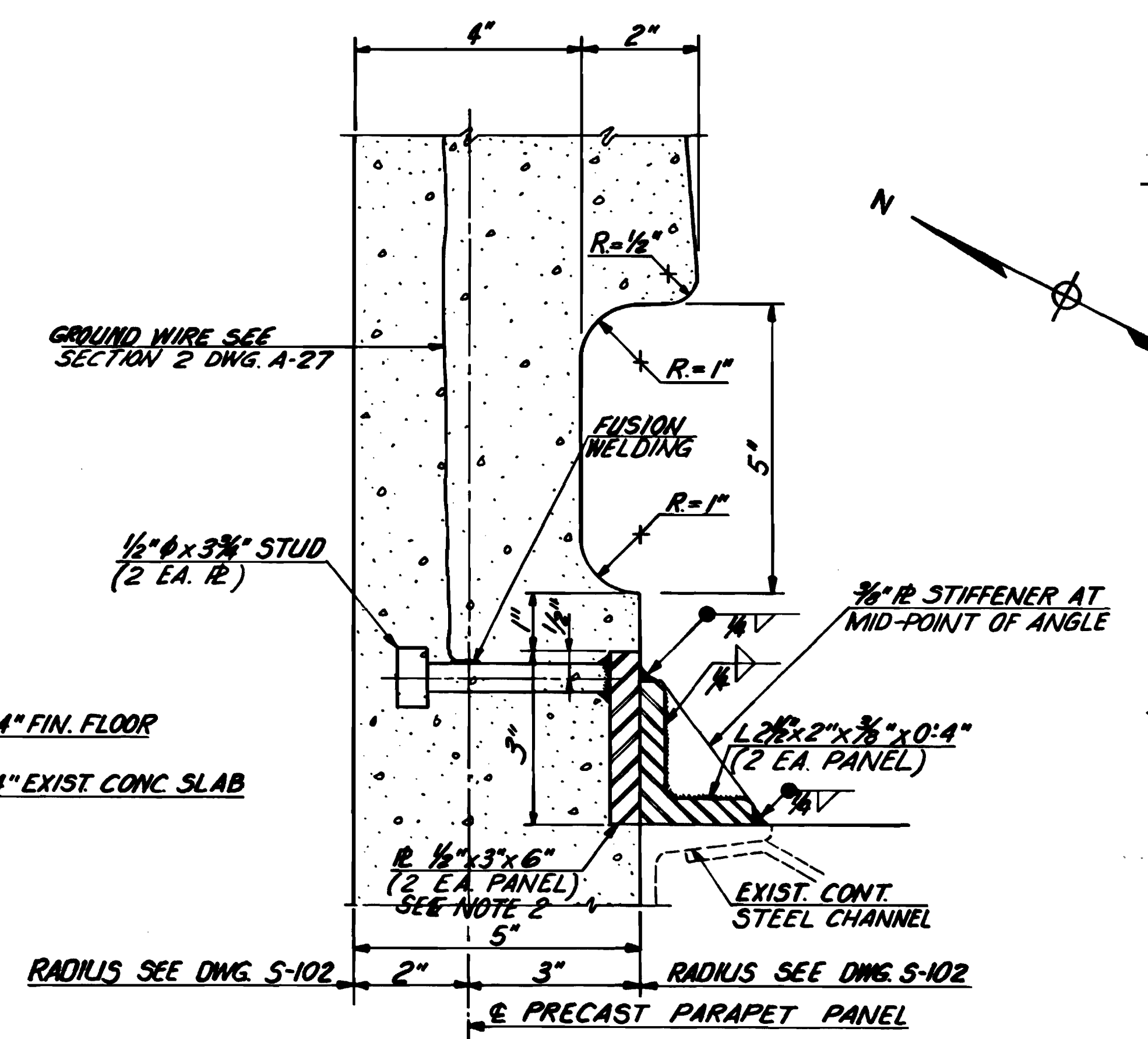
ROCKVILLE ROUTE
BETHESDA STATION - MEZZANINE
PRECAST PARAPET PLAN

SCALE: 3/8" = 1'-0" AND AS NOTED

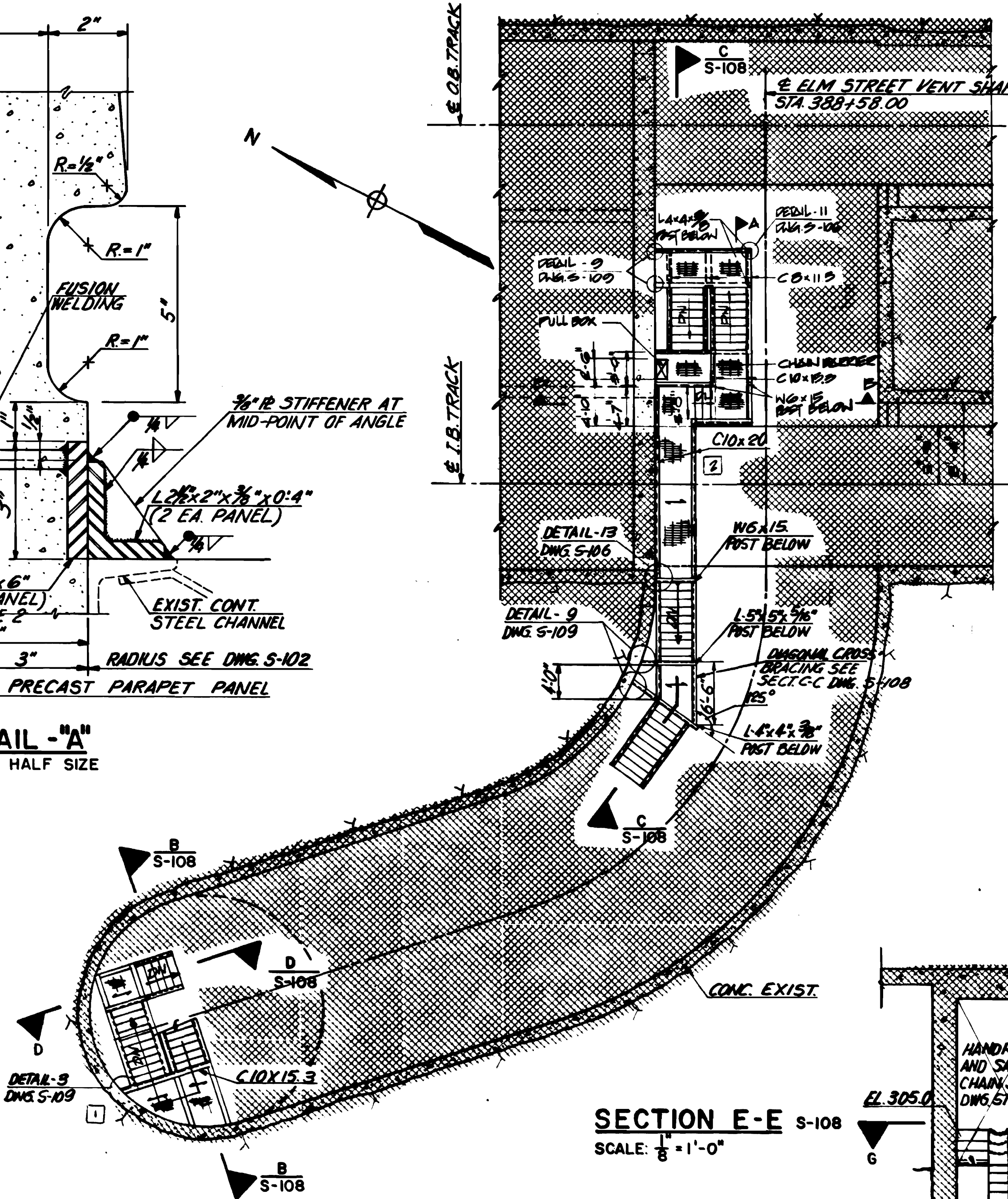
DRAWING NO. **FALL-S-104** M334-29



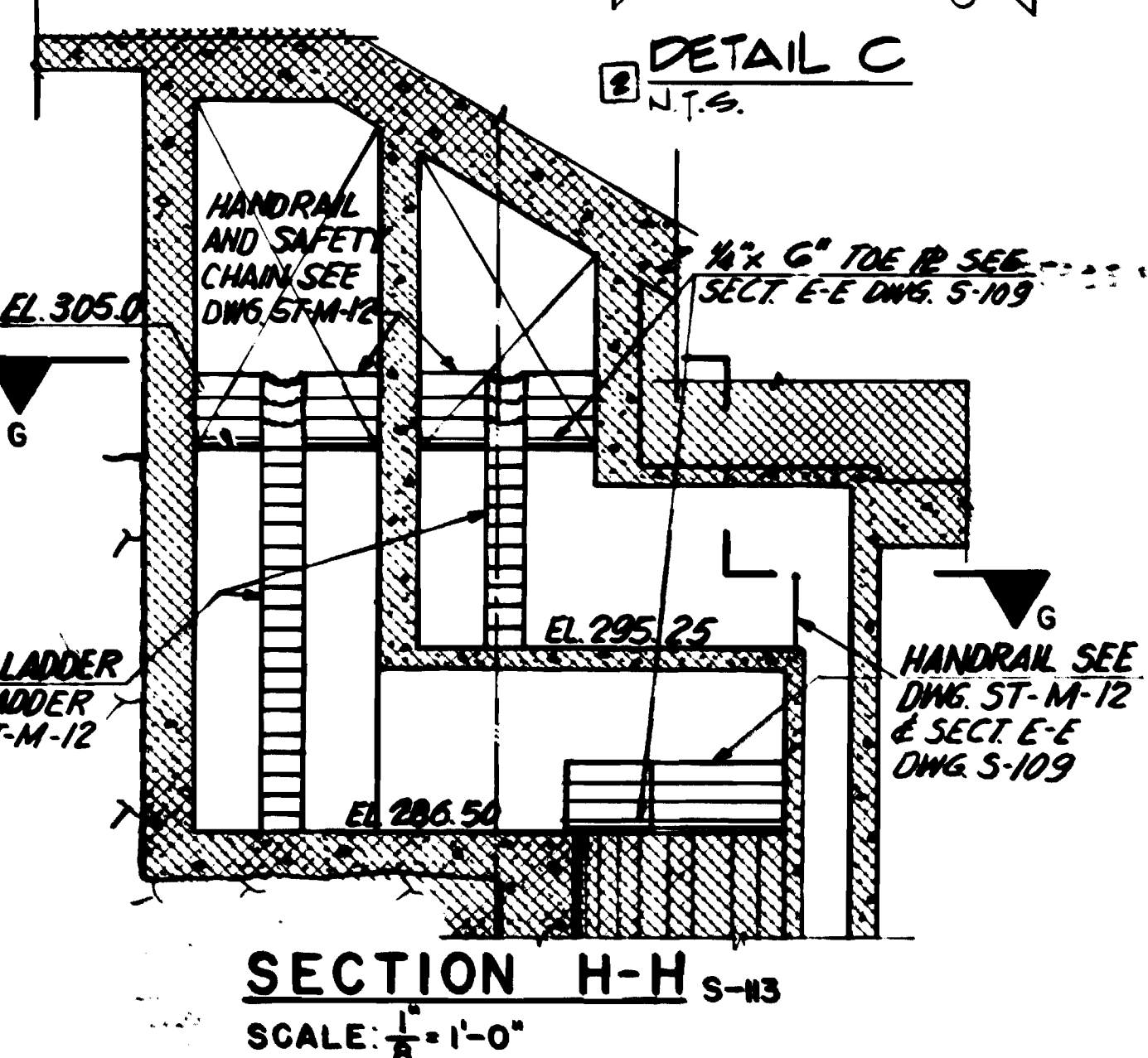
TYPICAL PRECAST PARAPET SECTION
SCALE: 1/2" = 1'-0"



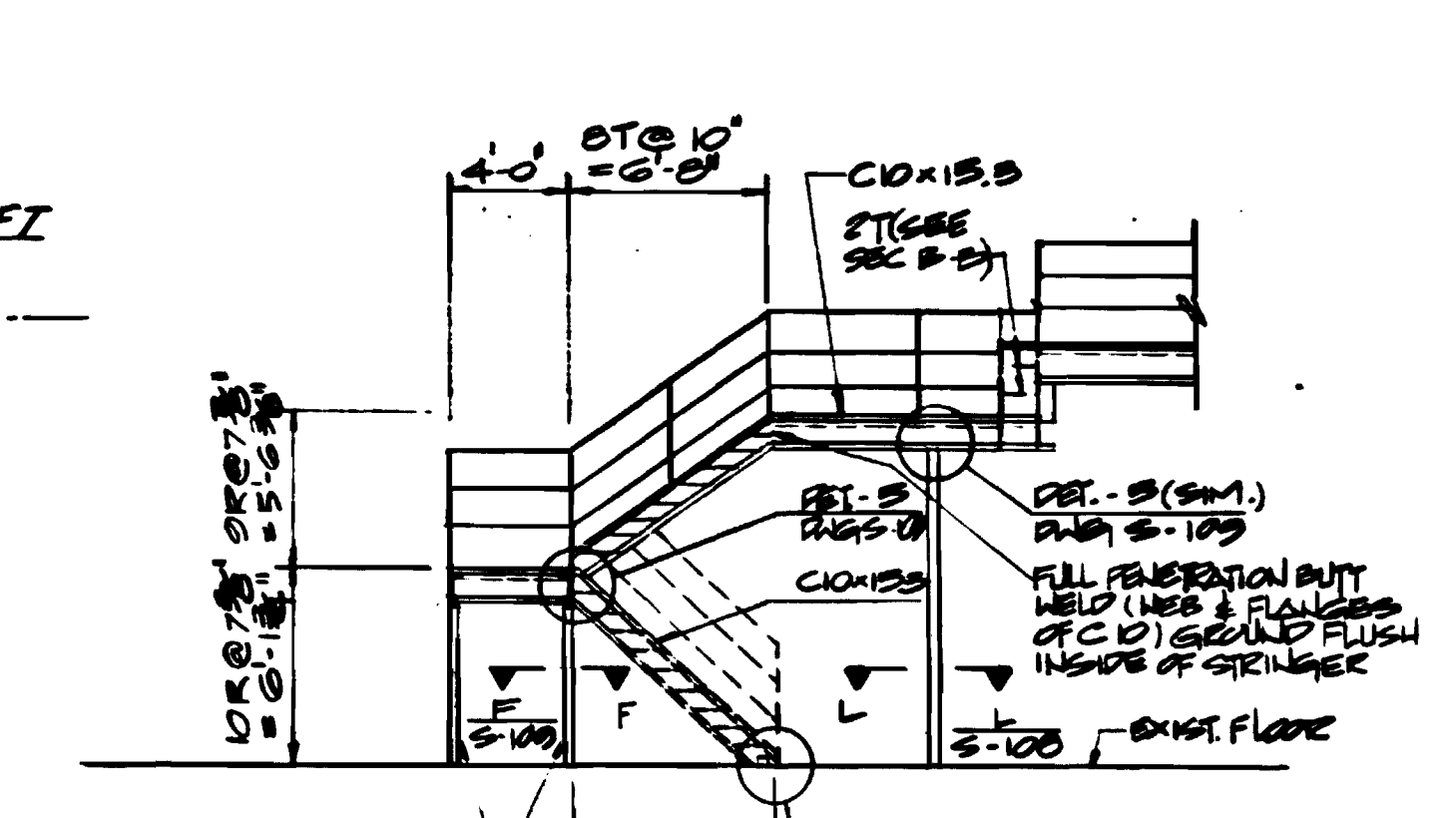
DETAIL - "A"
SCALE: HALF SIZE



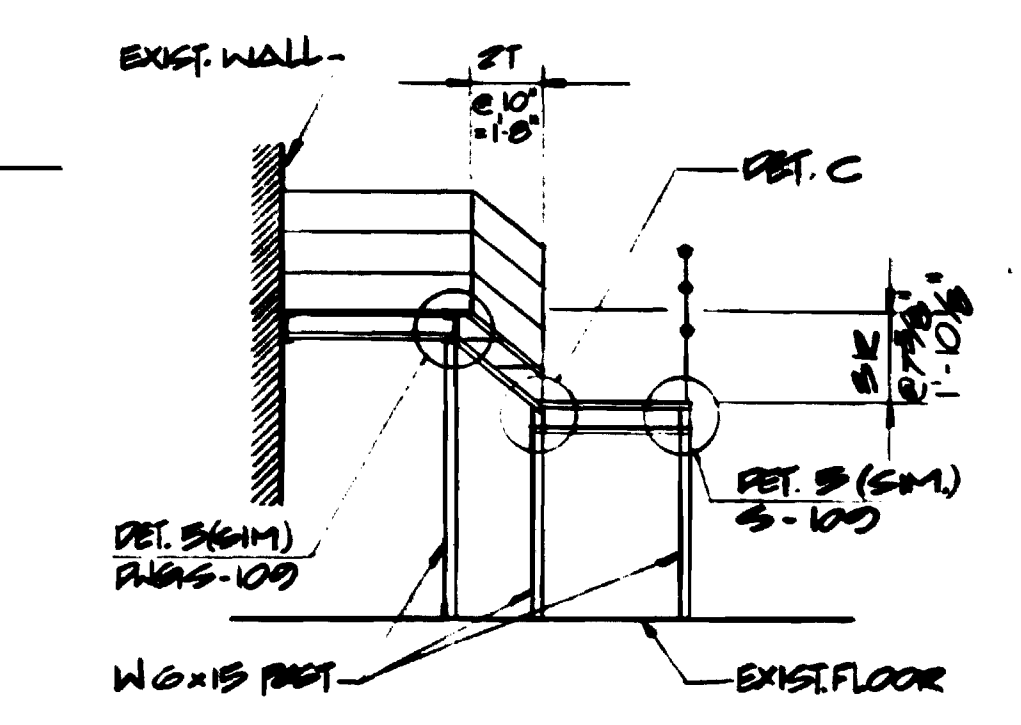
SECTION E-E S-108
SCALE: 1/8" = 1'-0"



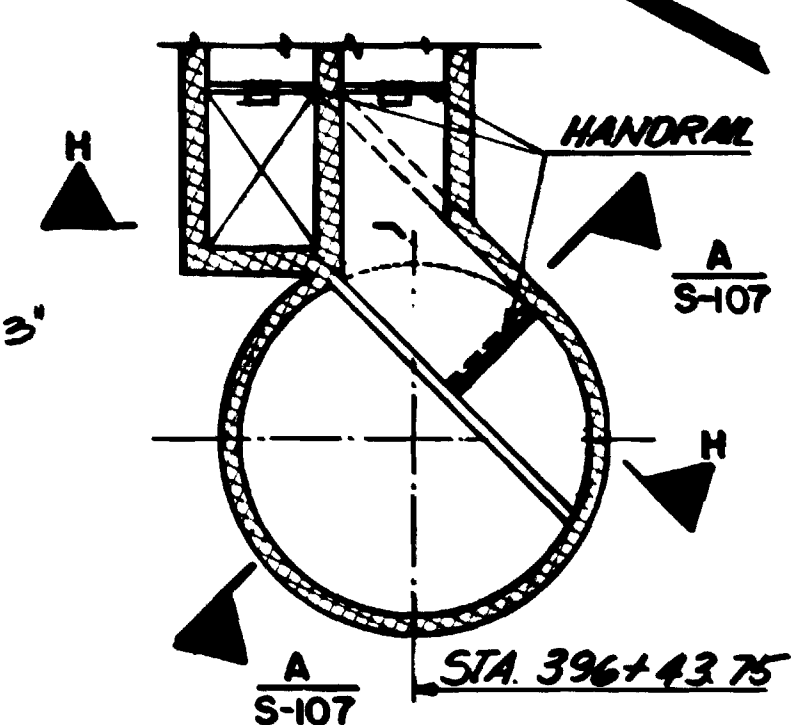
SECTION H-H S-103
SCALE: 1/8" = 1'-0"



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.



SECTION G-G
SCALE: 1/16" = 1'-0"

- NOTES:**
1. CHAINS REFERRED FOR DETAILS & SECTIONS ARE CONTRACT PINGS.
 2. ALL STEEL PARTS SHALL BE HOT DIP GALVANIZED.
 3. ALL OTHER DETAILS REFER TO CONTRACT PINGS.
 4. TOE BRICK SHALL BE PROVIDED PER CONTRACT PINGS.

- NOTES:**
1. CONTRACTOR SHALL PROTECT THE CONCRETE FROM WELDING STAIN WHEN WELDING STEEL R 1/2"x5"x6" TO EXISTING STRUCTURAL STEEL.
 2. 1/2"x5"x6" R TO BE 1'-0" FROM EACH END OF PANEL TYPICAL FOR ALL PANELS. R ALSO TO MATCH PANEL RADIUS WHERE APPLICABLE (SEE DWG. S-104 FOR PANEL SPACING)
 3. ALL REINF. TO BE #3 VERTICAL REINF. SPA @ 12" HORIZONTAL REINF. SPA AS SHOWN.
 4. CONNECTING PLATES TO BE LOCATED AT 1'-0" FROM EACH END OF PANELS.
 5. PRECAST CONCRETE PARAPET SHALL BE PLACED PRIOR TO POURING FINISH FLOOR CONCRETE. CONTRACTOR SHALL TAKE PRECAUTION TO PREVENT DAMAGE TO OR MOVEMENT OF THE PARAPETS. FOR ADDITIONAL INFORMATION SEE DRAWINGS A-26 AND A-27.
 6. MODIFY STEEL CHANNEL SUPPORTS FOR ELM. ST STAIRS TO CONFORM TO AS BUILT SHAFT CONDITIONS.

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
S.C.T. & E.V.R.	8-15-80	S-100	PRECISIONS & STRUCTURAL NOTES	8-14-80	7) MODIFY CHANNELS FOR ELM ST
DRAWN	8-15-80	S-104	PRECAST PARAPET LAYOUT		8) STAIRS PER MOD. 96 (PCO-69)
CHECKED	8-15-80	S-107	TYPICAL LADDER DETAILS		9) REV. PER PCO-72, AS BUILT
APPROVED	8-15-80	A-27	GROUND WIRE		



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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SECTION DESIGNER

DE LEUW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: *[Signature]* DATE: 8-15-80

APPROVED: *[Signature]*

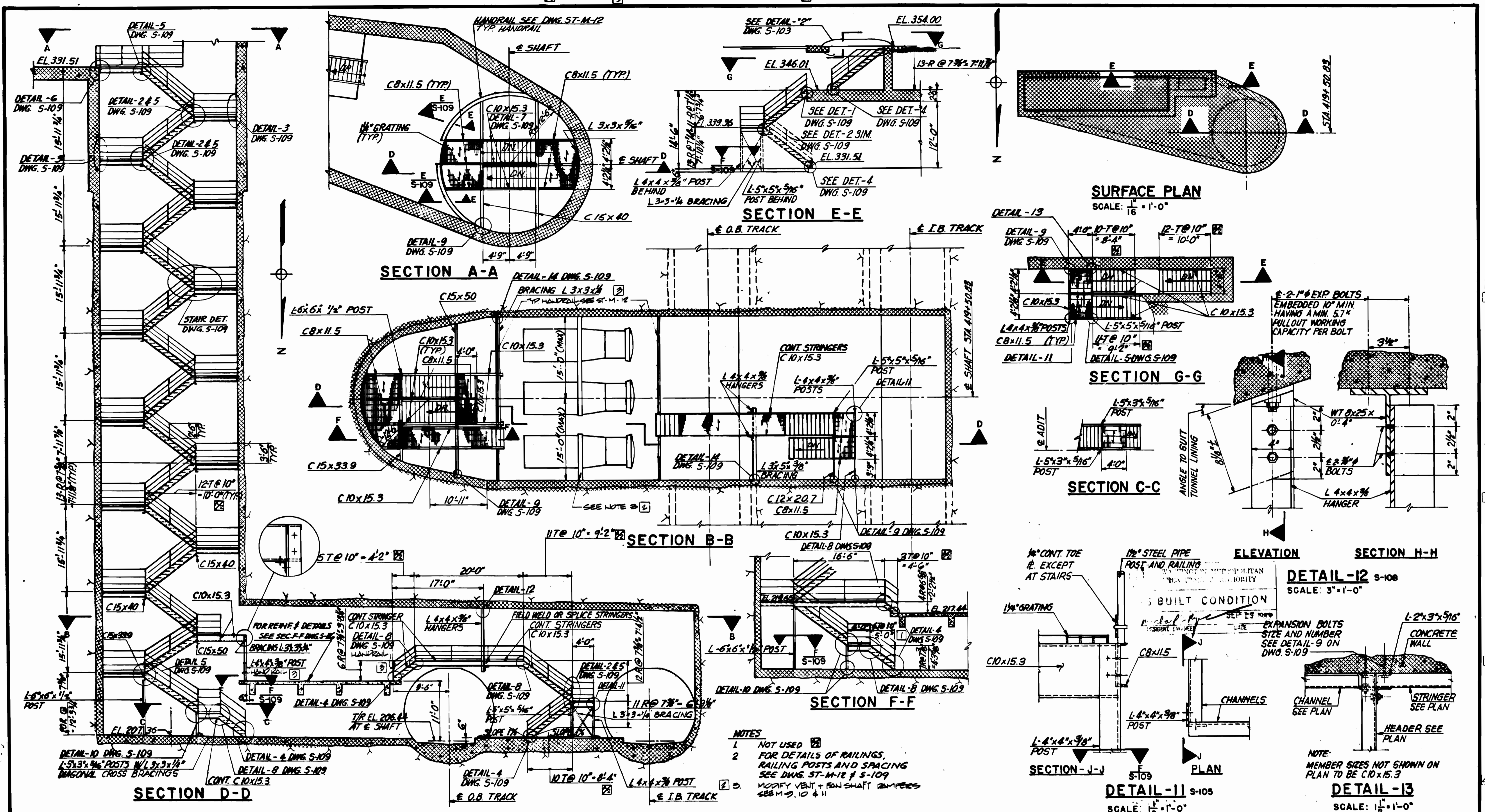
ROCKVILLE ROUTE

BETHESDA STATION ELM STREET VENT SHAFT STAIRS
AND MEZZANINE PRECAST PARAPET DETAILS

SCALE: AS NOTED

DRAWING NO. **FAIL-S-105**

M334-30



NOTES

- 1 NOT USED
- 2 FOR DETAILS OF RAILINGS, RAILING POSTS AND SPACING SEE DWG. ST-M-12 & S-109
- 3 MODIFY VENT + FAN SHAFT DAMPERS SEE M-9, 10 & 11

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
E.V. ROUGO	8-15-80	S-100	ABBREVIATIONS & STRUCTURAL NOTES	9-25-80	VI.5 SIZE OF TREADS CHANGED FROM 9 1/2" TO 10" STAIR DIM.
L.E. BRADLEY	8-15-80	S-109	SHAFT LOCATION		REVISED AND NOTE #1 NOT USED
S.G. TREE	8-15-80	S-109	TYPICAL DETAILS & NOTES		
S.H.B.	8-15-80				

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

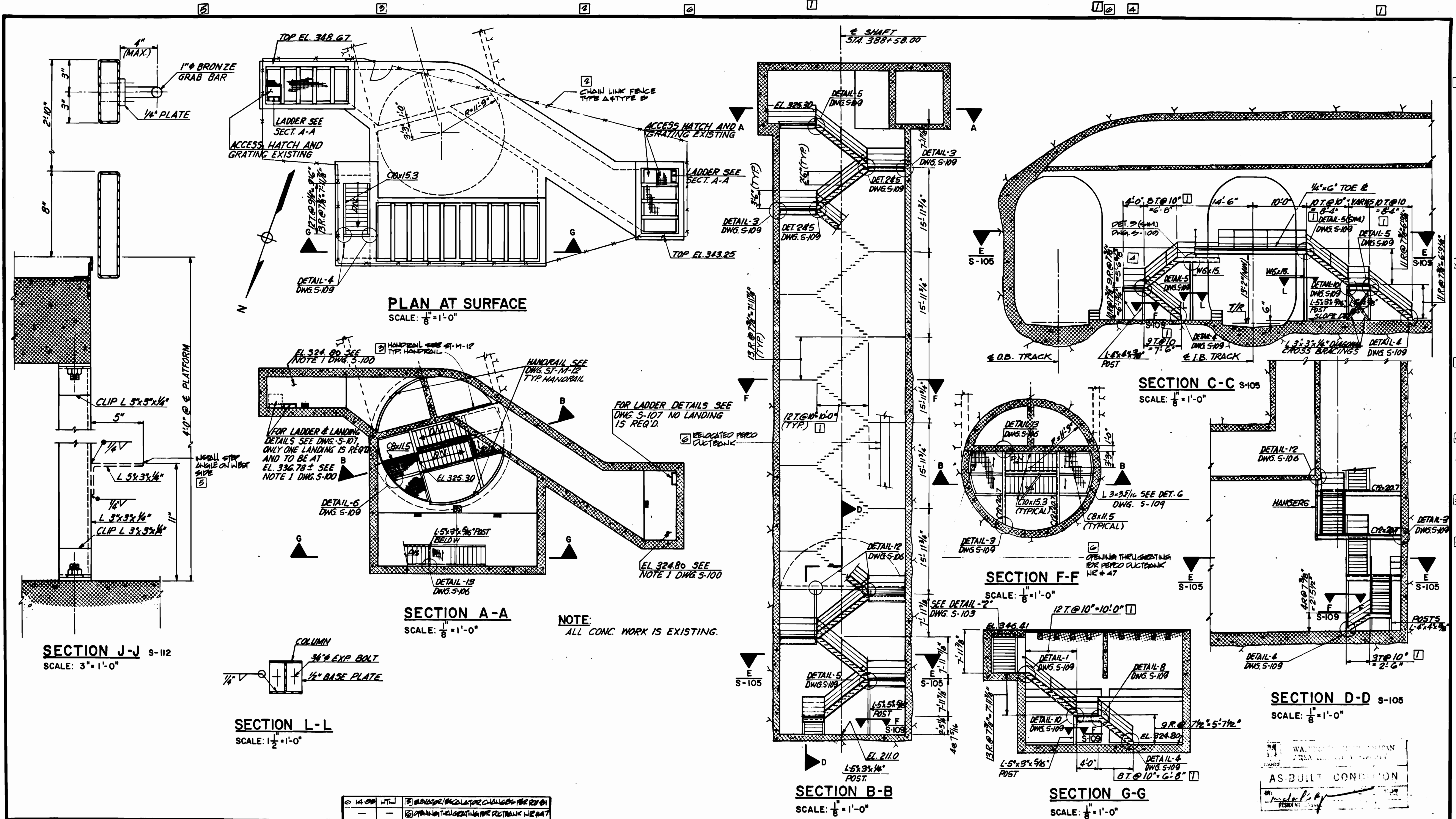
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Stewart H. Duce* DATE 8-15-80 APPROVED *Paul J. Robinson*

ROCKVILLE ROUTE
WEST VIRGINIA AVENUE
FAN SHAFT STAIRS

SCALE: 1/16" = 1'-0" AND AS NOTED

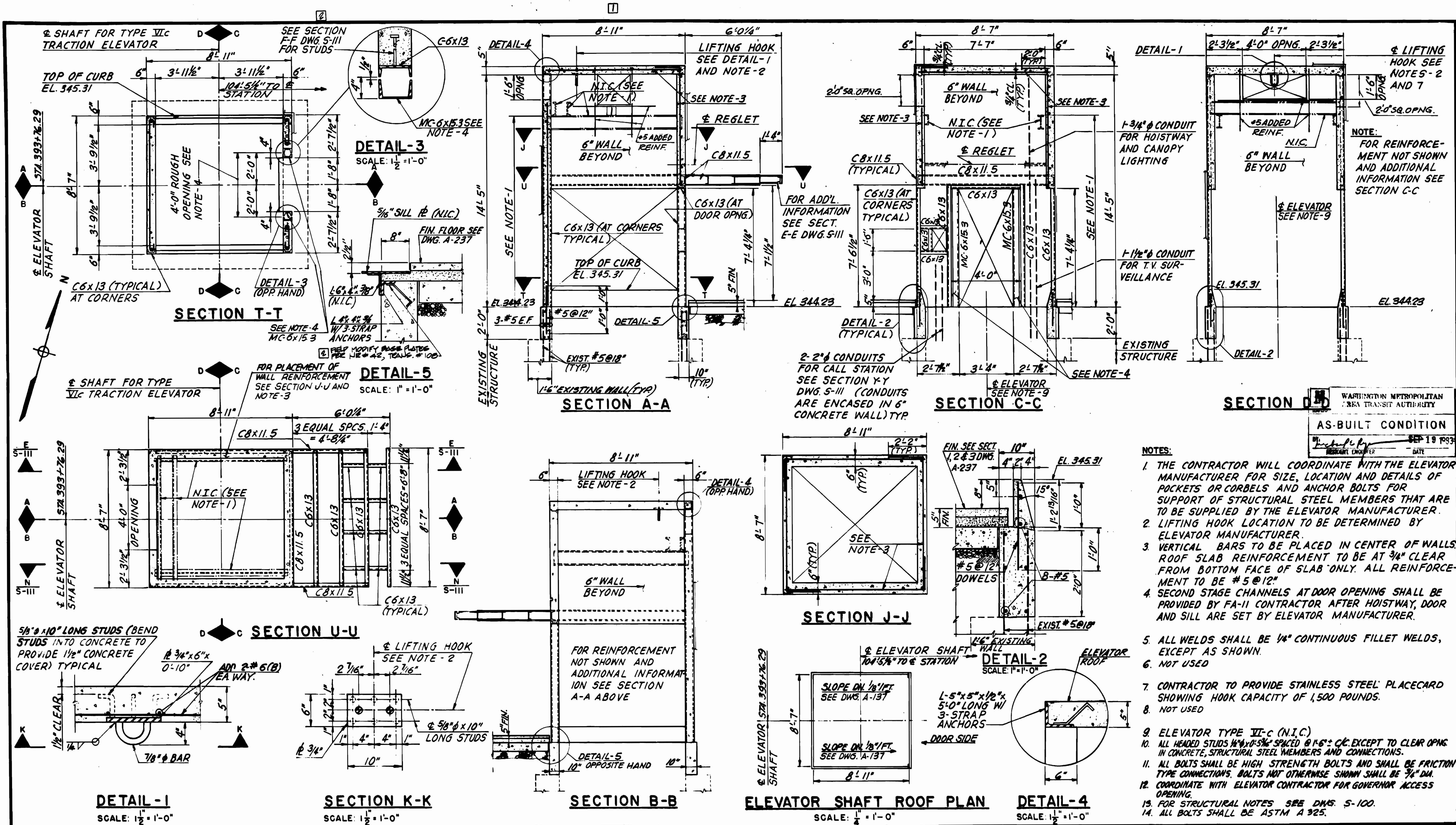
DRAWING NO. **FAI-S-106 M334-31**



DESIGNED	E.V. ROUCO	DATE	0-15-80	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	E.V. ROUCO	DATE	0-15-80	S-100	ABBREVIATIONS & STRUCTURAL NOTES	9-15-80	W.S.	SIZE OF TREADS CHANGED FROM 9 1/2" TO 10" STAIR DIM. REVISED (1)
CHECKED	S.H.B.	DATE	0-15-80					REV. PER REV. 3A. AS BUILT
APPROVED	S.H.B.	DATE	0-15-80					REV. PER REV. 67. AS BUILT
								REV. PER REV. 72. AS BUILT

REVISIONS	DATE	BY	DESCRIPTION
1	9-15-80	W.S.	SIZE OF TREADS CHANGED FROM 9 1/2" TO 10" STAIR DIM. REVISED (1)
2			REV. PER REV. 3A. AS BUILT
3			REV. PER REV. 67. AS BUILT
4			REV. PER REV. 72. AS BUILT

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER		DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT		ROCKVILLE ROUTE ELM STREET VENT SHAFT STAIRS AND MISCELLANEOUS DETAILS SCALE: AS NOTED DRAWING NO. Fall-S-108 M334-33	
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- NOTES:**
1. THE CONTRACTOR WILL COORDINATE WITH THE ELEVATOR MANUFACTURER FOR SIZE, LOCATION AND DETAILS OF POCKETS OR CORBELS AND ANCHOR BOLTS FOR SUPPORT OF STRUCTURAL STEEL MEMBERS THAT ARE TO BE SUPPLIED BY THE ELEVATOR MANUFACTURER.
 2. LIFTING HOOK LOCATION TO BE DETERMINED BY ELEVATOR MANUFACTURER.
 3. VERTICAL BARS TO BE PLACED IN CENTER OF WALLS. ROOF SLAB REINFORCEMENT TO BE AT 3/4" CLEAR FROM BOTTOM FACE OF SLAB ONLY. ALL REINFORCEMENT TO BE #5 @ 12"
 4. SECOND STAGE CHANNELS AT DOOR OPENING SHALL BE PROVIDED BY FA-II CONTRACTOR AFTER HOISTWAY, DOOR AND SILL ARE SET BY ELEVATOR MANUFACTURER.
 5. ALL WELDS SHALL BE 1/4" CONTINUOUS FILLET WELDS, EXCEPT AS SHOWN.
 6. NOT USED
 7. CONTRACTOR TO PROVIDE STAINLESS STEEL PLACECARD SHOWING HOOK CAPACITY OF 1,500 POUNDS.
 8. NOT USED
 9. ELEVATOR TYPE II-C (N.I.C.)
 10. ALL HEADED STUDS 1/2" x 5/8" SPACED @ 1'-6" O.C. EXCEPT TO CLEAR OPNG IN CONCRETE, STRUCTURAL STEEL MEMBERS AND CONNECTIONS.
 11. ALL BOLTS SHALL BE HIGH STRENGTH BOLTS AND SHALL BE FRICTION TYPE CONNECTIONS. BOLTS NOT OTHERWISE SHOWN SHALL BE 3/4" DIA.
 12. COORDINATE WITH ELEVATOR CONTRACTOR FOR GOVERNOR ACCESS OPENING.
 13. FOR STRUCTURAL NOTES SEE DWG. S-100.
 14. ALL BOLTS SHALL BE ASTM A 325.

DESIGNED	G. C. TREE	8-15-80	DATE	NUMBER	DESCRIPTION	DATE	BY	REVISIONS	DESCRIPTION
DRAWN	L. E. BRADLEY	8-15-80	DATE	S-100	ABBREVIATIONS & STRUCTURAL NOTES	9-15-80	H.S.	1	2'-0" x 2'-0" OPENING SHOWN
CHECKED	G. C. TREE	8-15-80	DATE	S-2	ELEVATOR LOCATION	6-19-80	H.T.	2	REVISED PER FIELD LOG, AS BUILT
APPROVED	S.H.B.	8-18-80	DATE	A-737	ARCHITECTURAL DETAILS				

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GENERAL ENGINEERING CONSULTANT

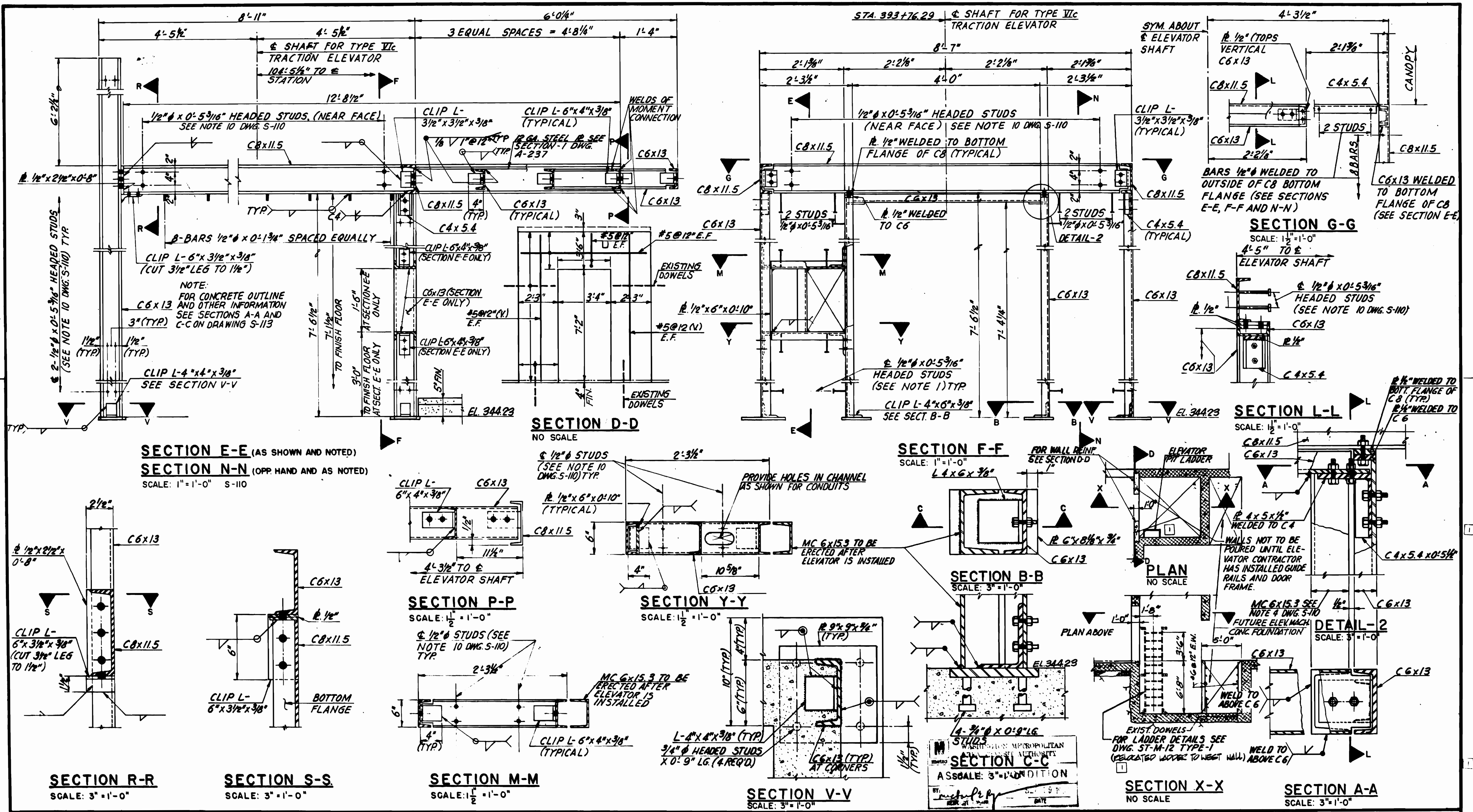
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Stewart A. Jones* DATE 8-15-80 APPROVED *Paul J. Weese*

**ROCKVILLE ROUTE
BETHESDA STATION SURFACE
ELEVATOR FRAMING PLANS**

SCALE: 3/8" = 1'-0" AND AS NOTED

DRAWING NO. **FAIL-S-110 M334-35**



DESIGNED		DATE		NUMBER		DESCRIPTION		DATE		BY		DESCRIPTION	
G.C. TREE		8-15-80		S-100		ABBREVIATIONS & STRUCTURAL NOTES		6-15-81	HTF				
L.E. BRADLEY		8-15-80		S-110		NOTES							
B.G.T.		8-15-80		A-243		ARCHITECTURAL DETAILS							
S.H.B.		8-15-80											



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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SECTION DESIGNER

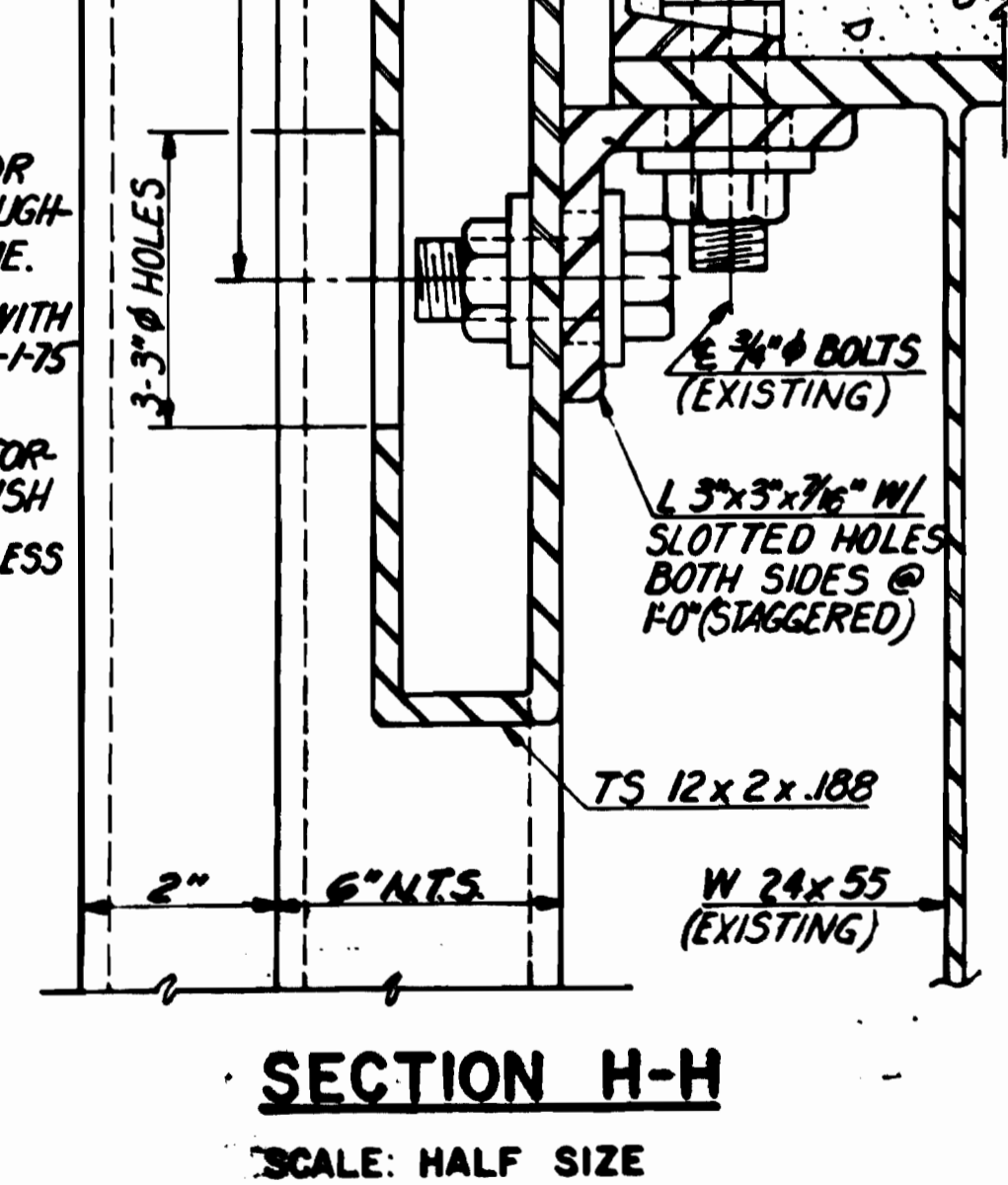
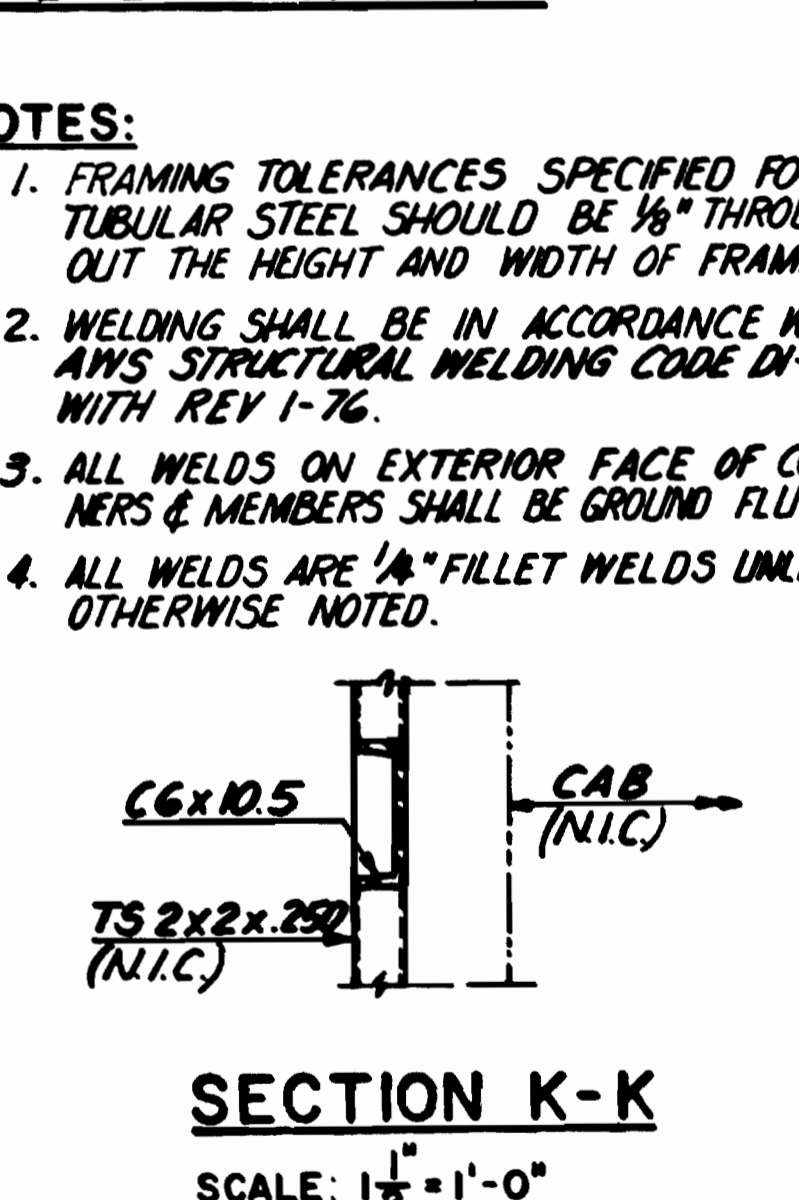
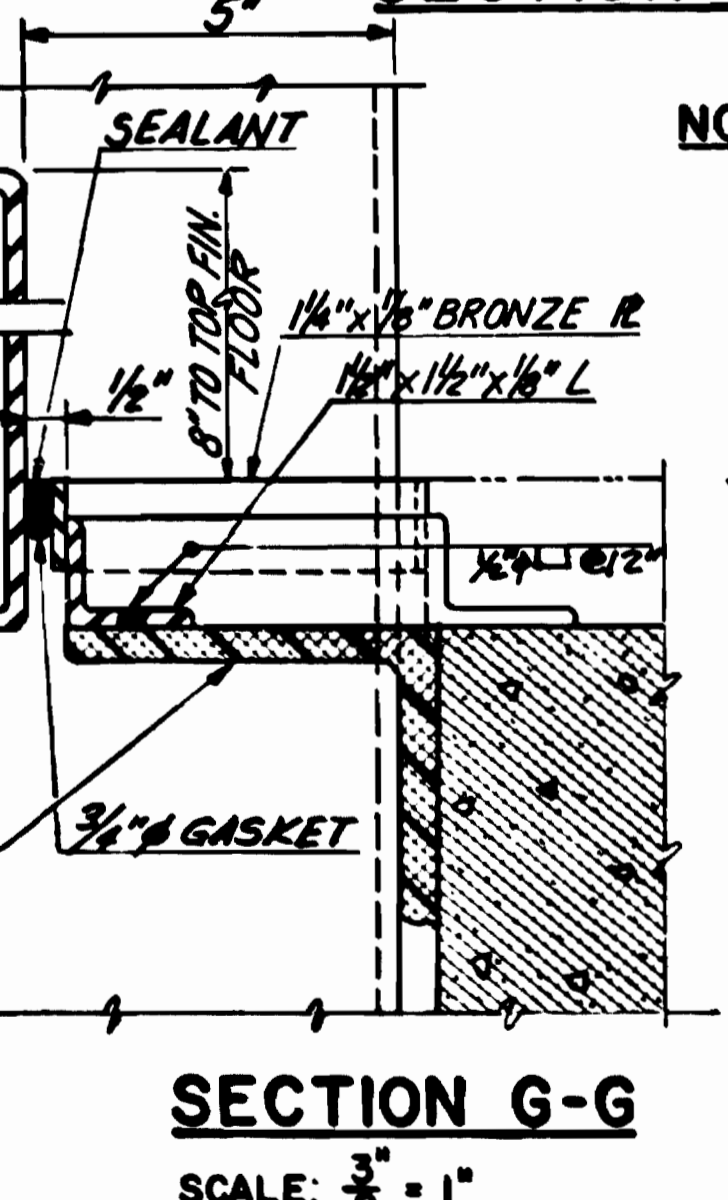
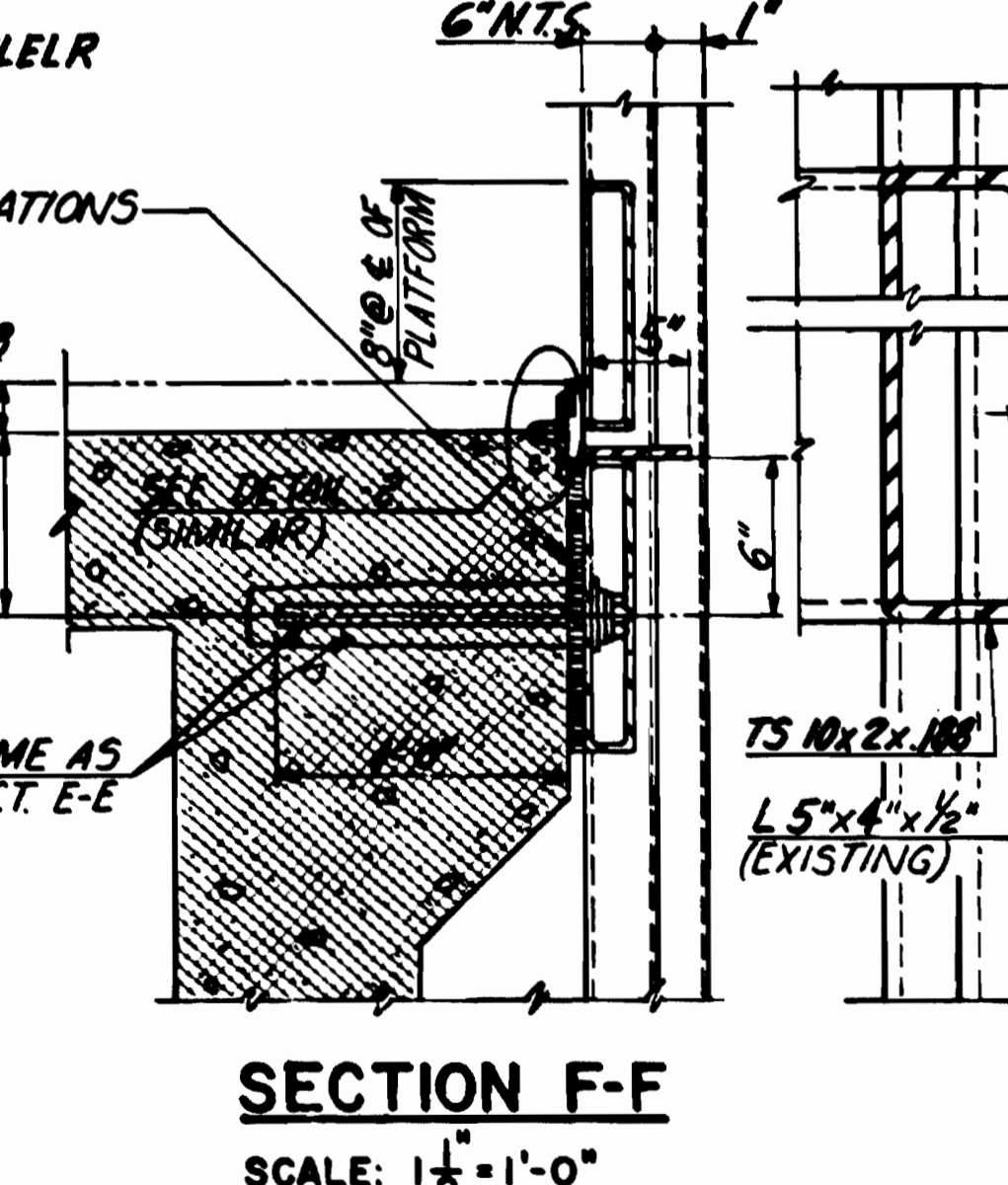
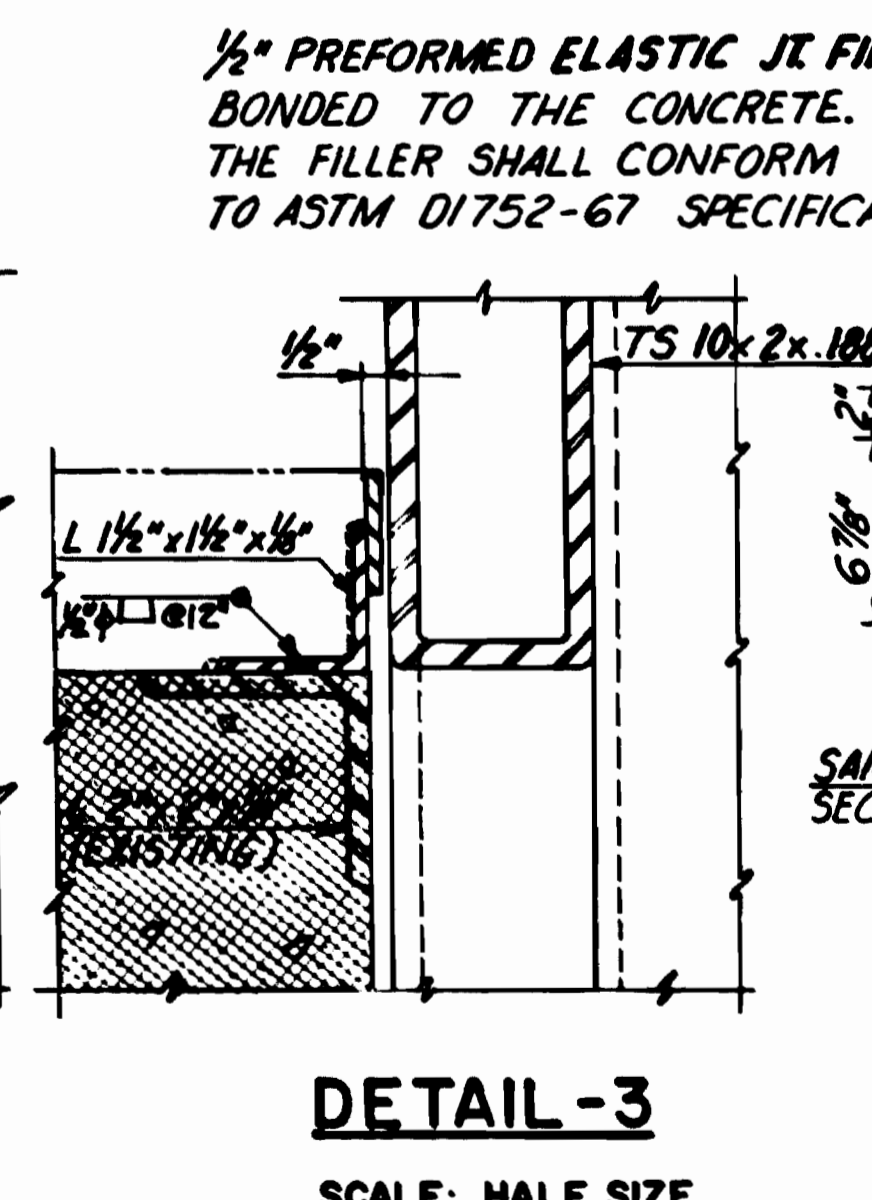
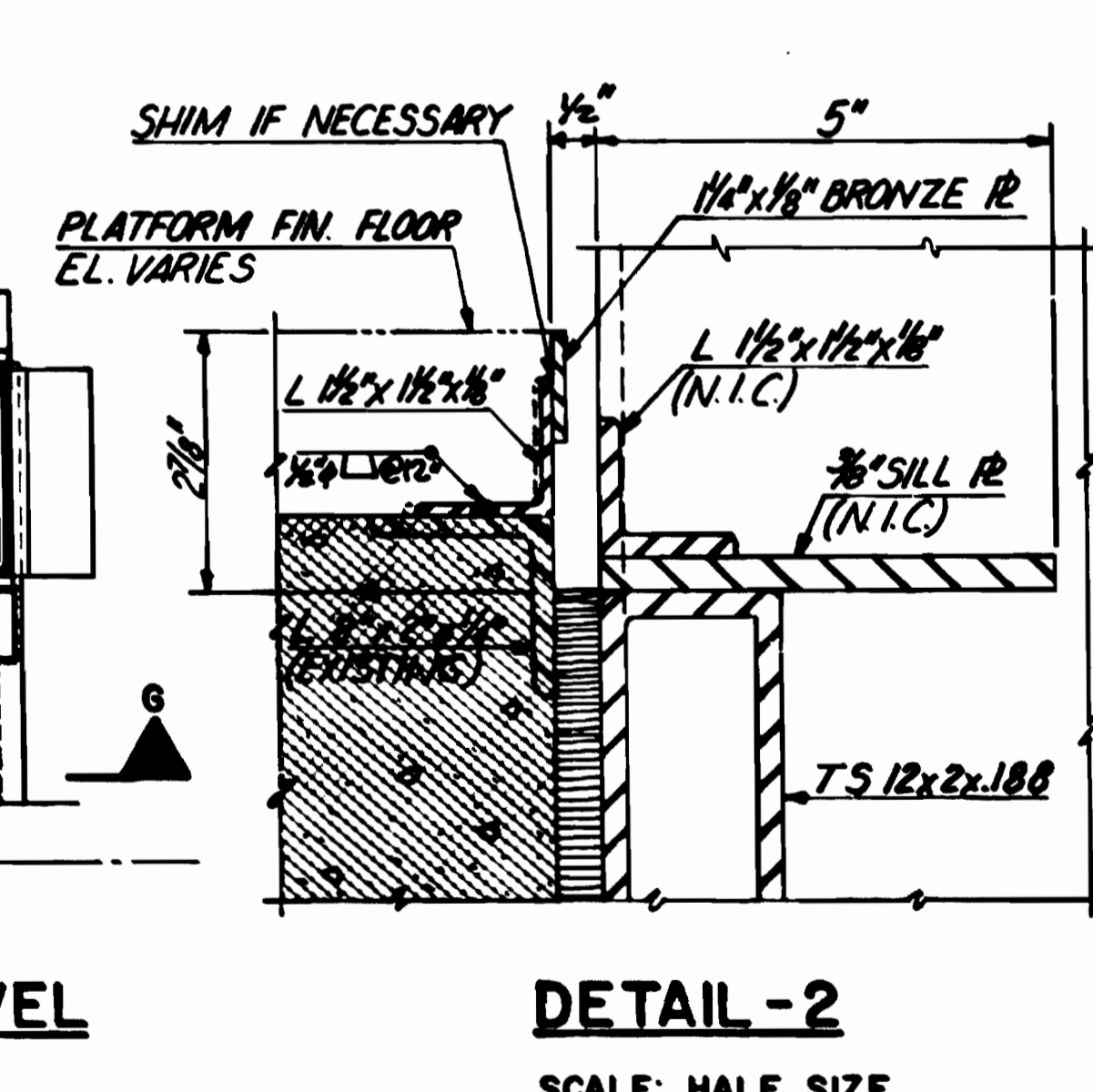
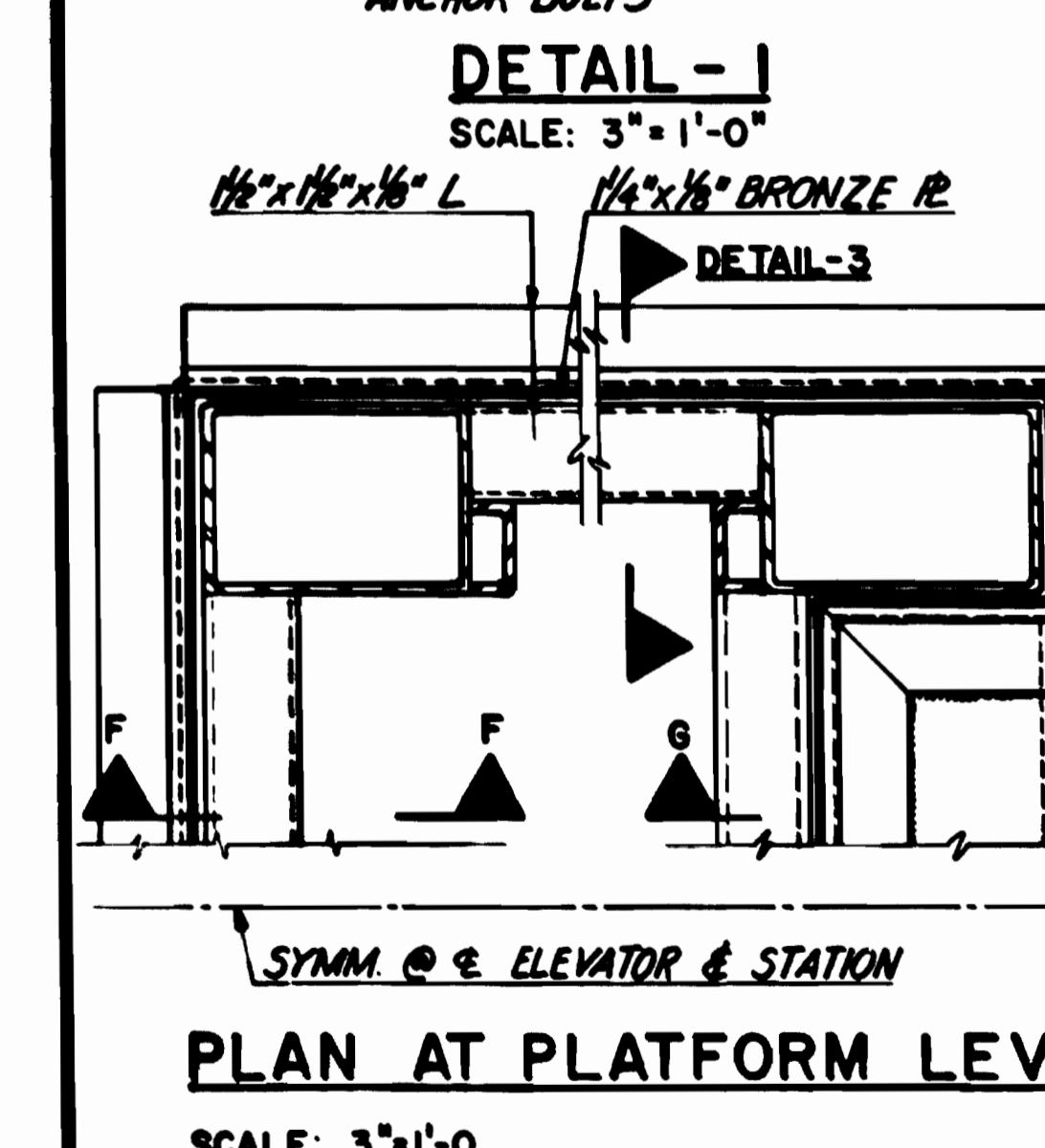
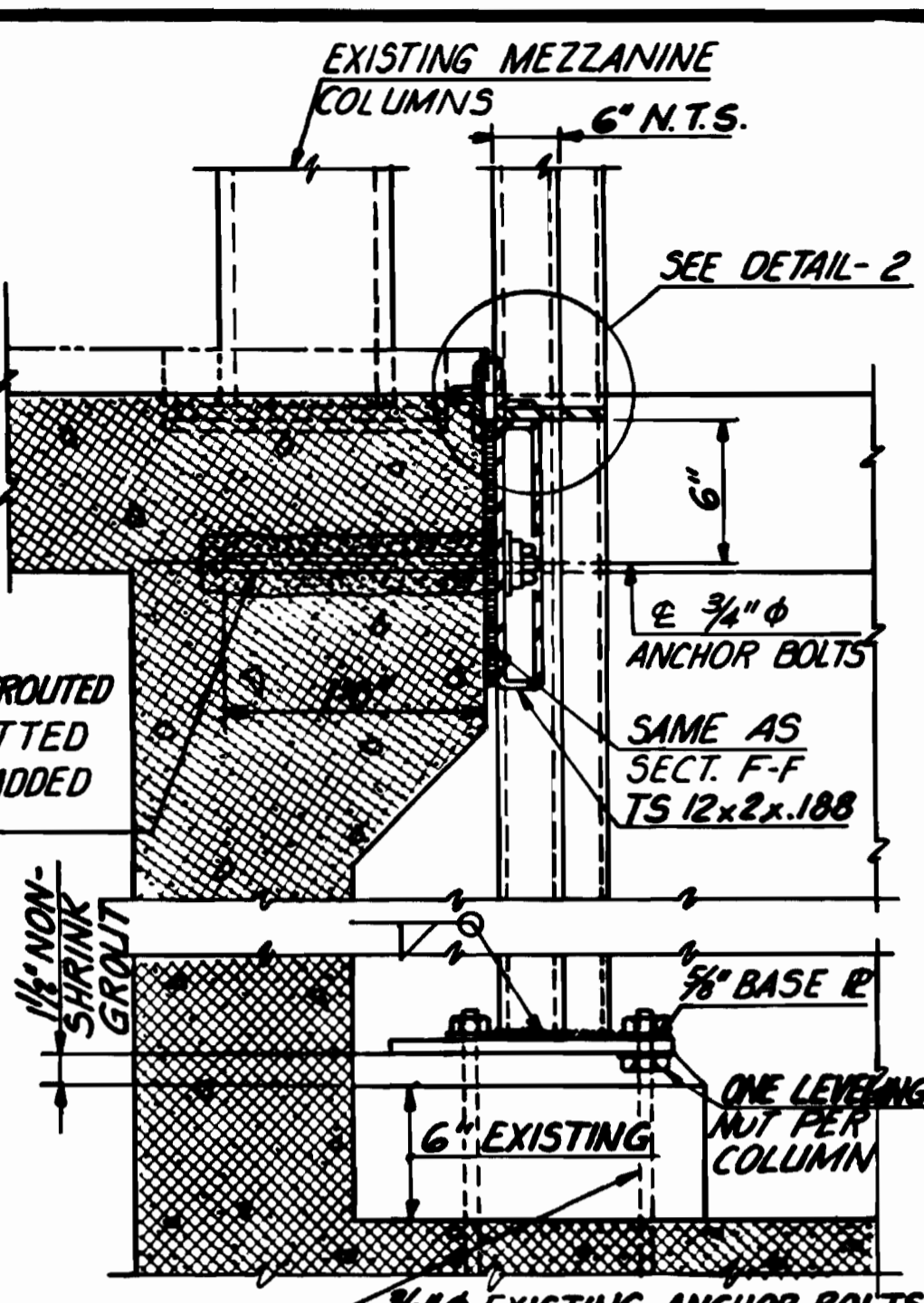
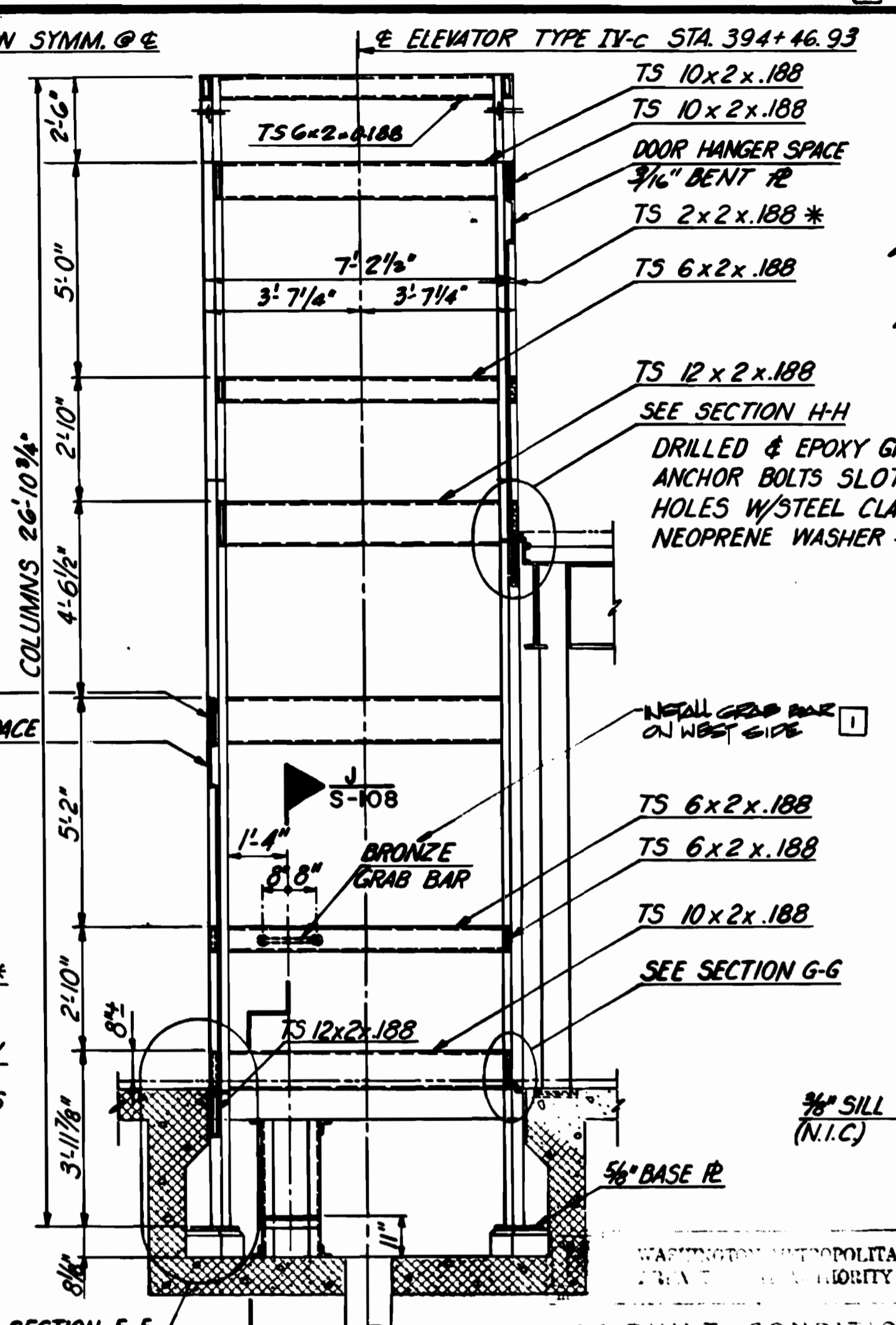
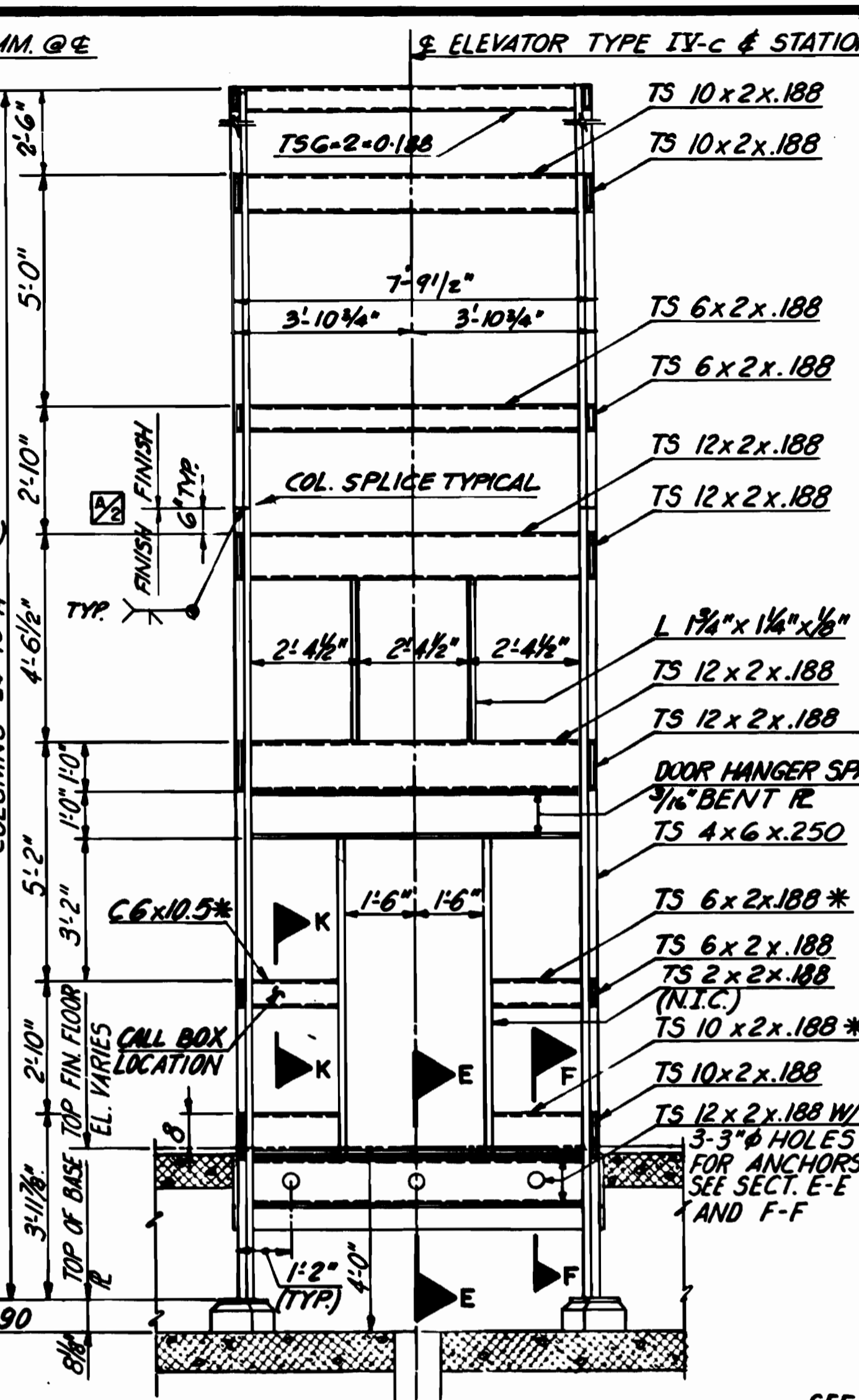
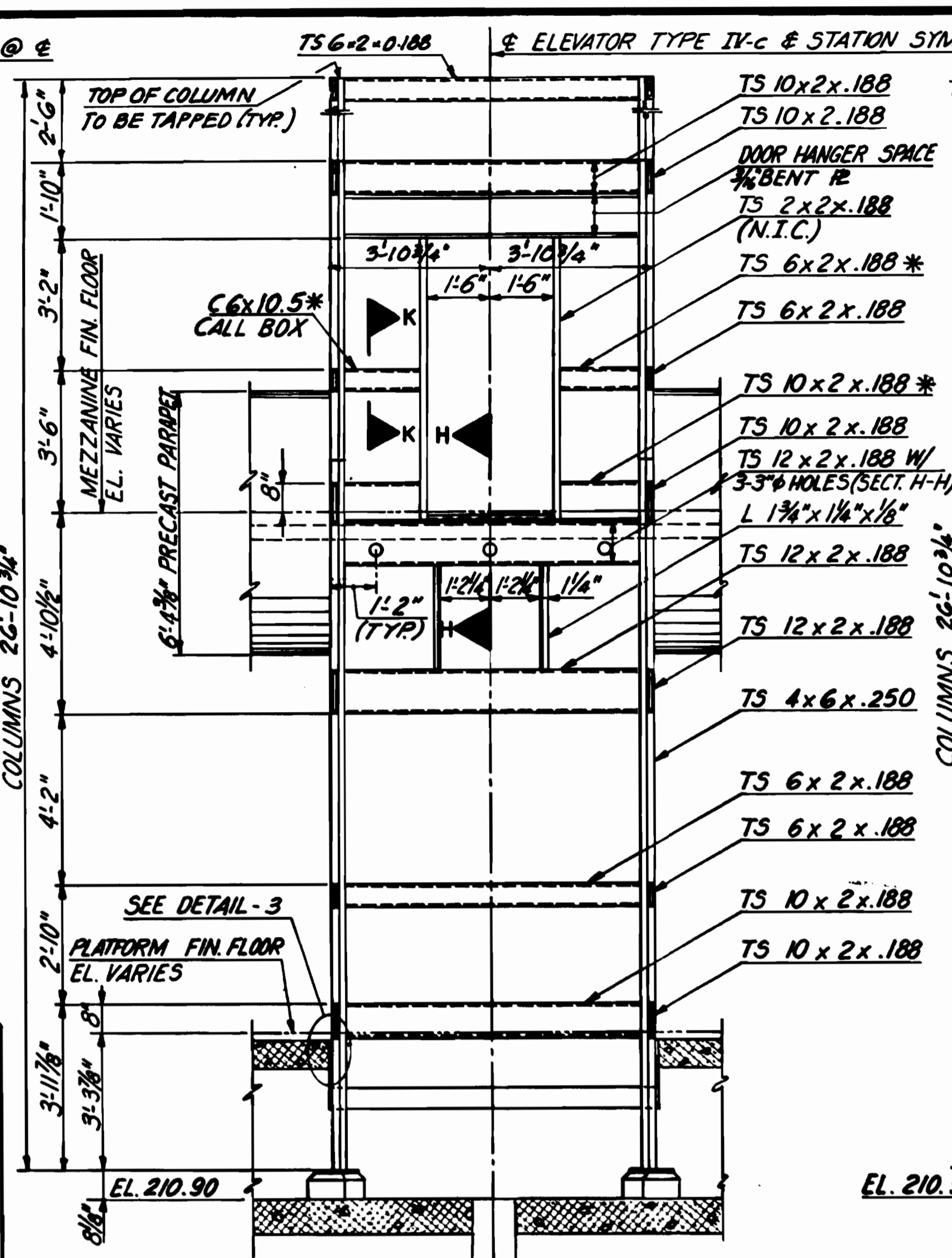
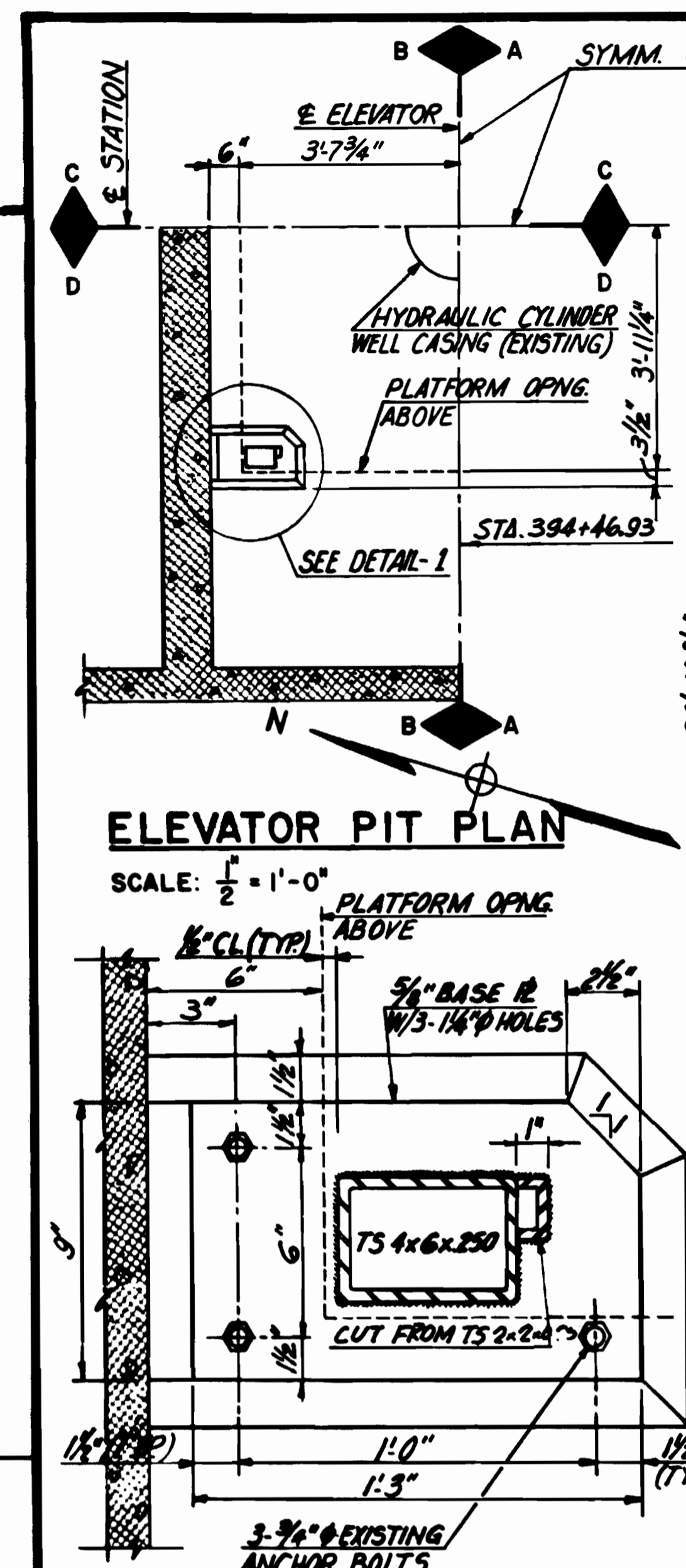
DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: *Seamus H. Weese* DATE: 8-15-80 APPROVED: *[Signature]*

ROCKVILLE ROUTE
BETHESDA STATION SURFACE ELEVATOR FRAMING
SECTIONS AND ELEVATOR PIT LADDER

SCALE: AS NOTED DRAWING NO. FAIL-S-III M334-36



PLAN AT PLATFORM LEVEL
SCALE: 3" = 1'-0"

REFERENCE DRAWINGS

NUMBER	DESCRIPTION
5-100	ABBREVIATIONS & STRUCTURAL NOTES
5-104	WELDING DETAILS
A-30	ARCHITECTURAL DETAILS

REVISIONS

DATE	BY	DESCRIPTION
9-25-80	W.S.	ADDED DIMENSION AND NOTES
10-15-80	W.S.	REVISIONS TO SECTION C-C
11-15-80	W.S.	REVISIONS TO SECTION E-E

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MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

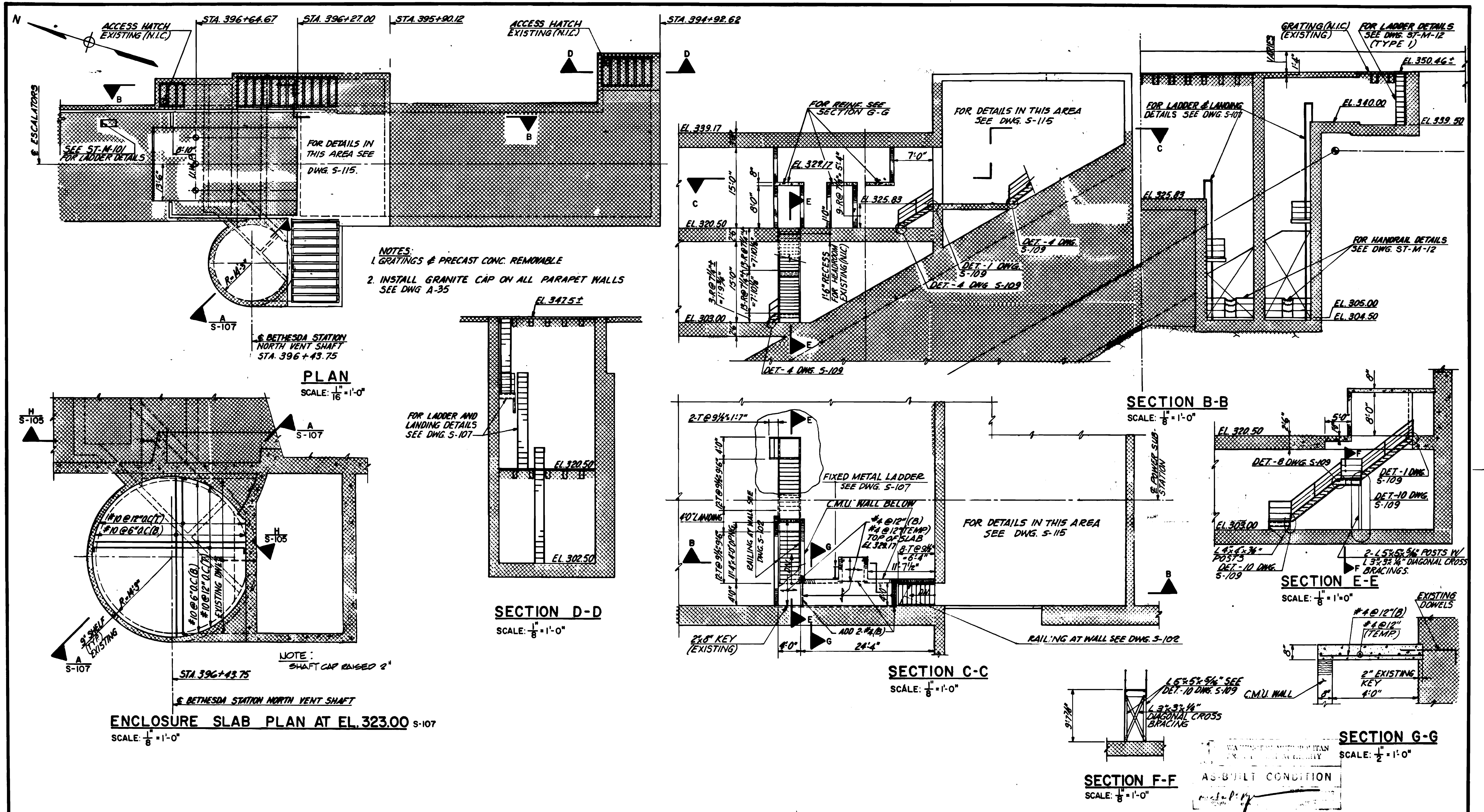
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Harold H. Dine* DATE 8-15-80 APPROVED *Paul J. ...*

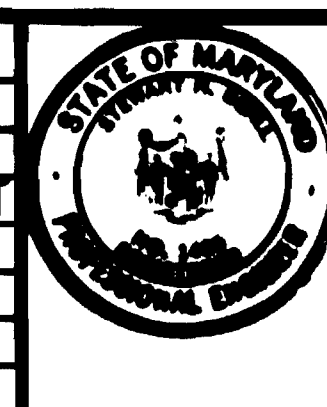
**ROCKVILLE ROUTE
BETHSDA STATION ELEVATOR
MEZZANINE TO PLATFORM STEEL FRAME**

SCALE: 3/8" = 1'-0" AND AS NOTED

DRAWING NO. FAI-S-112 M334-37



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS		
DESIGNED	G.C.T.	8-15-80		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	E.V. ROUGO	8-15-80		S-100	ABBREVIATIONS, SYMBOLS & STRUCTURAL NOTES	9-15-80	H.S.	GENERAL REVISION PER
CHECKED	G.C.T.	8-15-80		A-50, A-55	ARCHITECTURAL DWG'S.	9-16-80	HTJ	REVISED PER PCO-80, AS BUILT
APPROVED	SHS	8-15-80		S-2	KEY PLAN			



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SECTION DESIGNER

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GENERAL ENGINEERING CONSULTANT

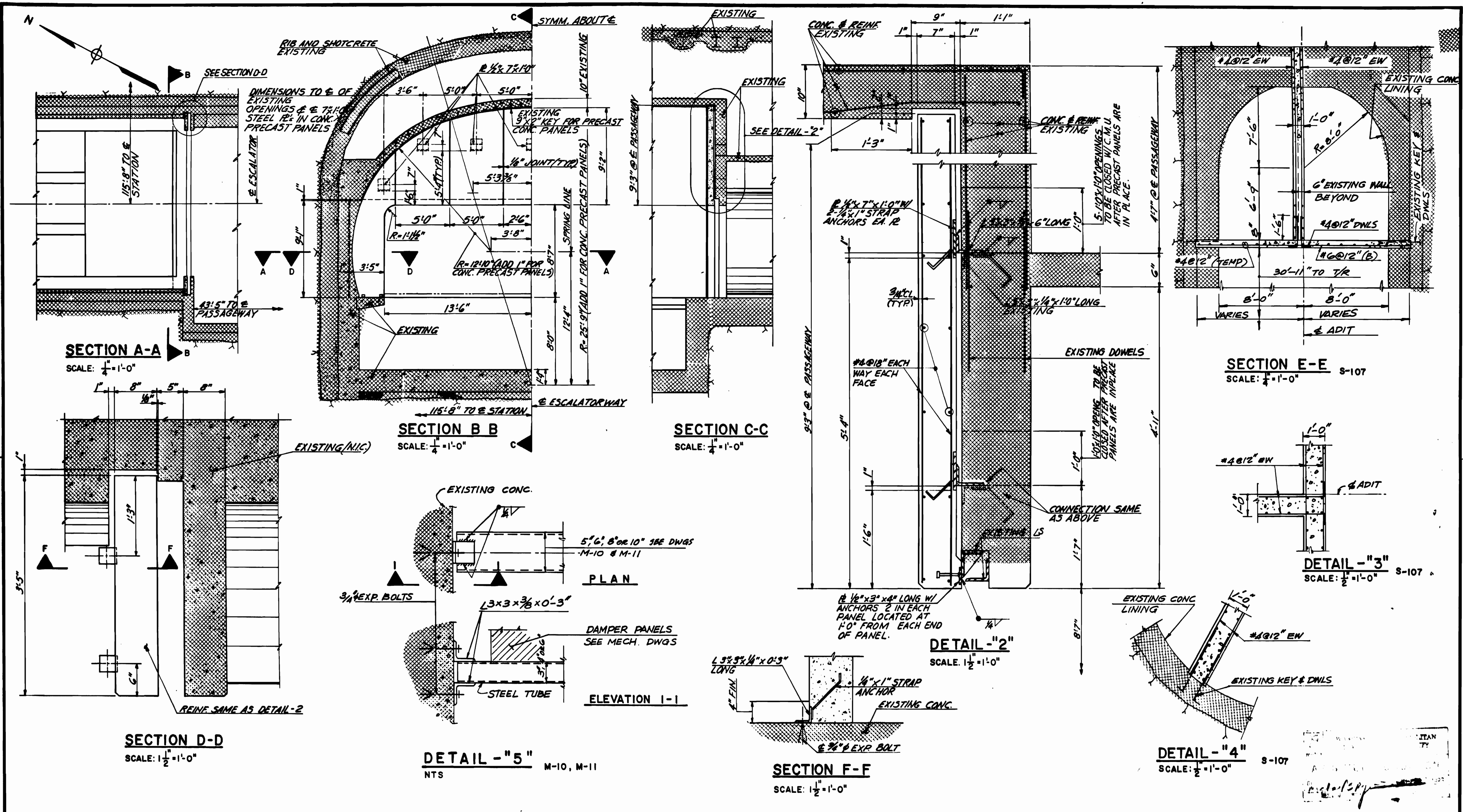
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *August 21, 1980* DATE 8-15-80 APPROVED *[Signature]*

ROCKVILLE ROUTE

BETHESDA STATION NORTH VENT SHAFT AND
POWER SUB-STATION STAIRS AND LADDERS

SCALE AS NOTED DRAWING NO. **FALL-S-113 M334-38**



DESIGNED W.S. 8-15-80
 DRAWN E.V. ROUGO 8-15-80
 CHECKED S.H.B. 8-15-80
 APPROVED S.H.B. 8-15-80

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
S-100	ABBREVIATIONS & STRUCTURAL NOTES		
A-33	ARCHITECTURAL DETAILS		

REVISIONS	
DATE	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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 SECTION DESIGNER

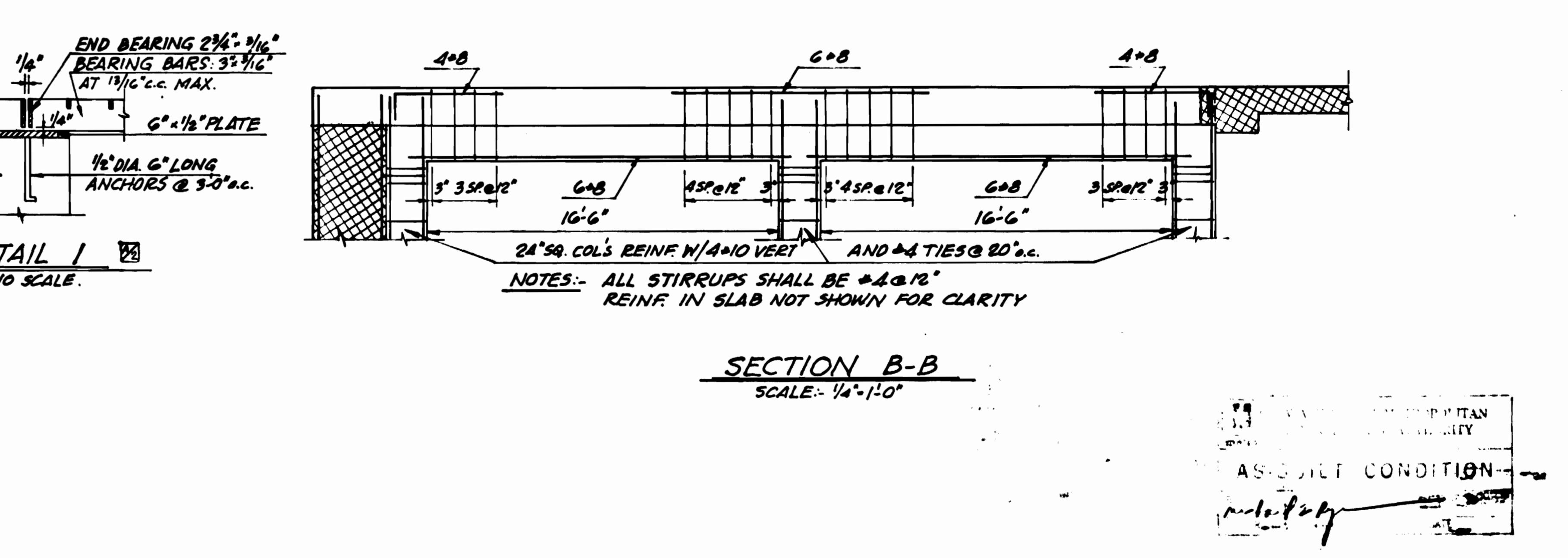
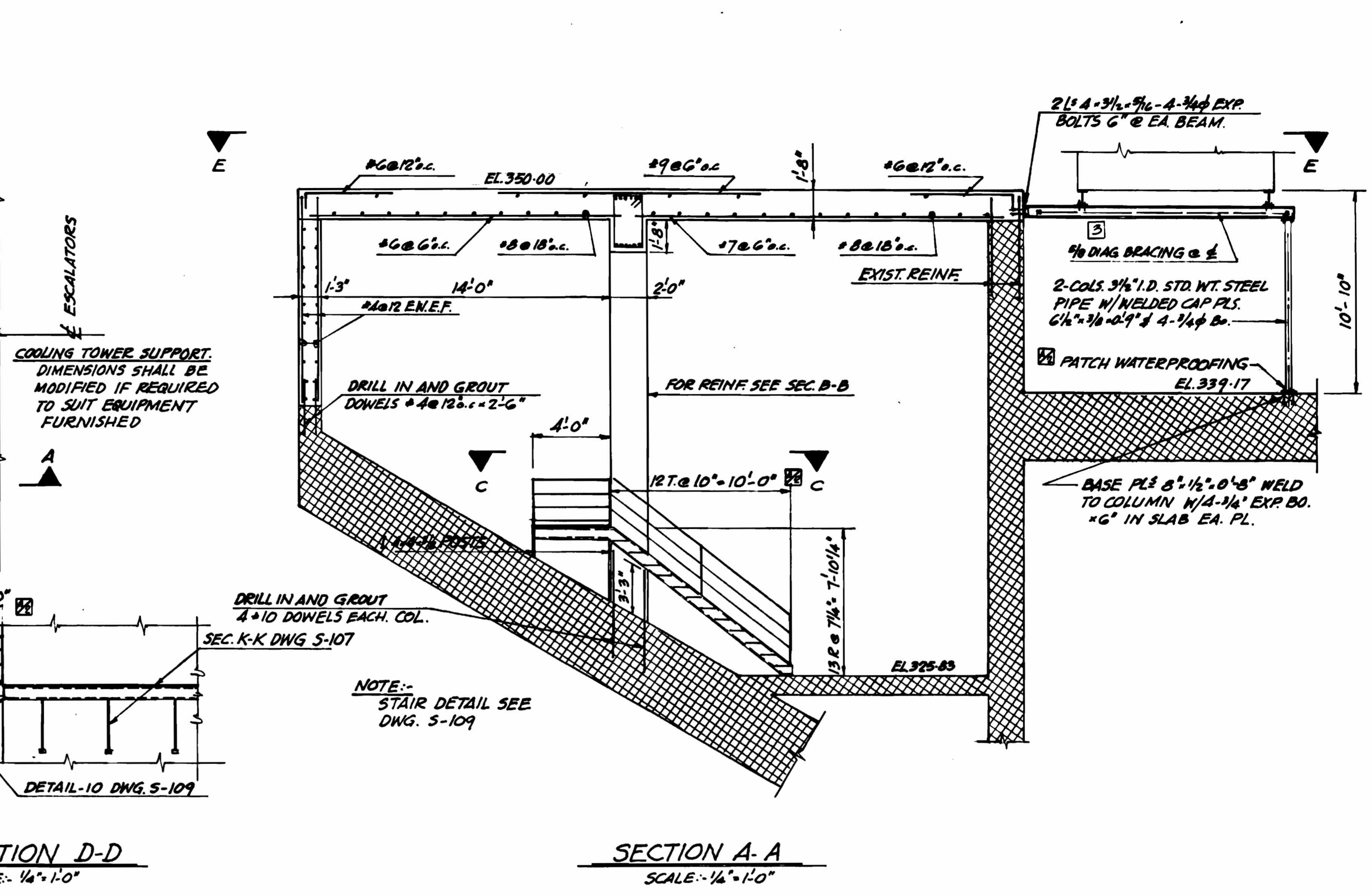
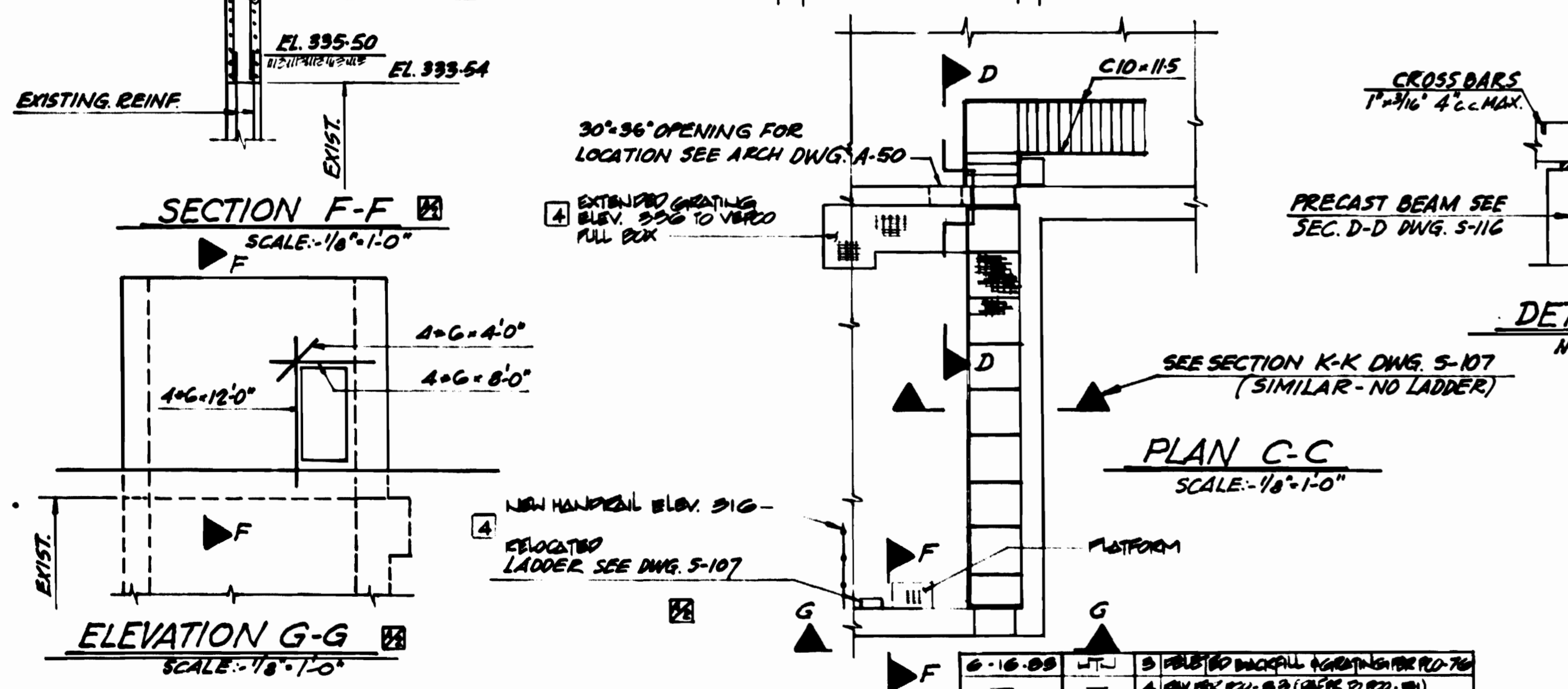
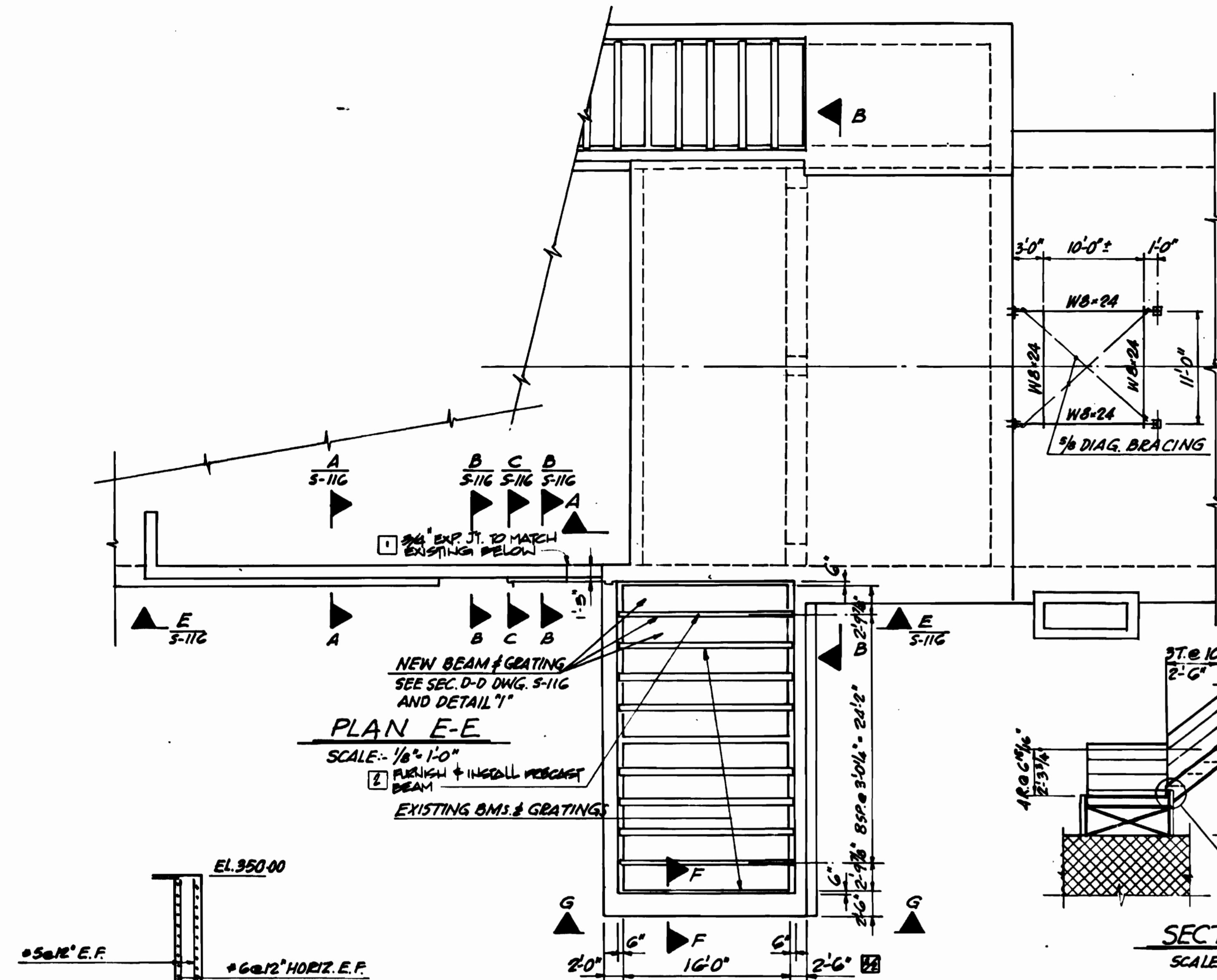
DE LEUW, CATHAR & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Stewart & Beall* DATE 8-15-80 APPROVED *S.H.B.*

**ROCKVILLE ROUTE
 BETHESDA STATION
 ESCALATOR END WALL DETAILS**

SCALE AS NOTED DRAWING NO. **FALL-S-114** M334-39



DESIGNED			DRAWN			CHECKED			APPROVED		
W.S.	8-15-80		W.S.	8-15-80		S.H.B.	8-15-80		S.H.B.	8-15-80	

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
S-100	ABBREVIATIONS & STRUCTURAL NOTES	7-25-80	W.S.

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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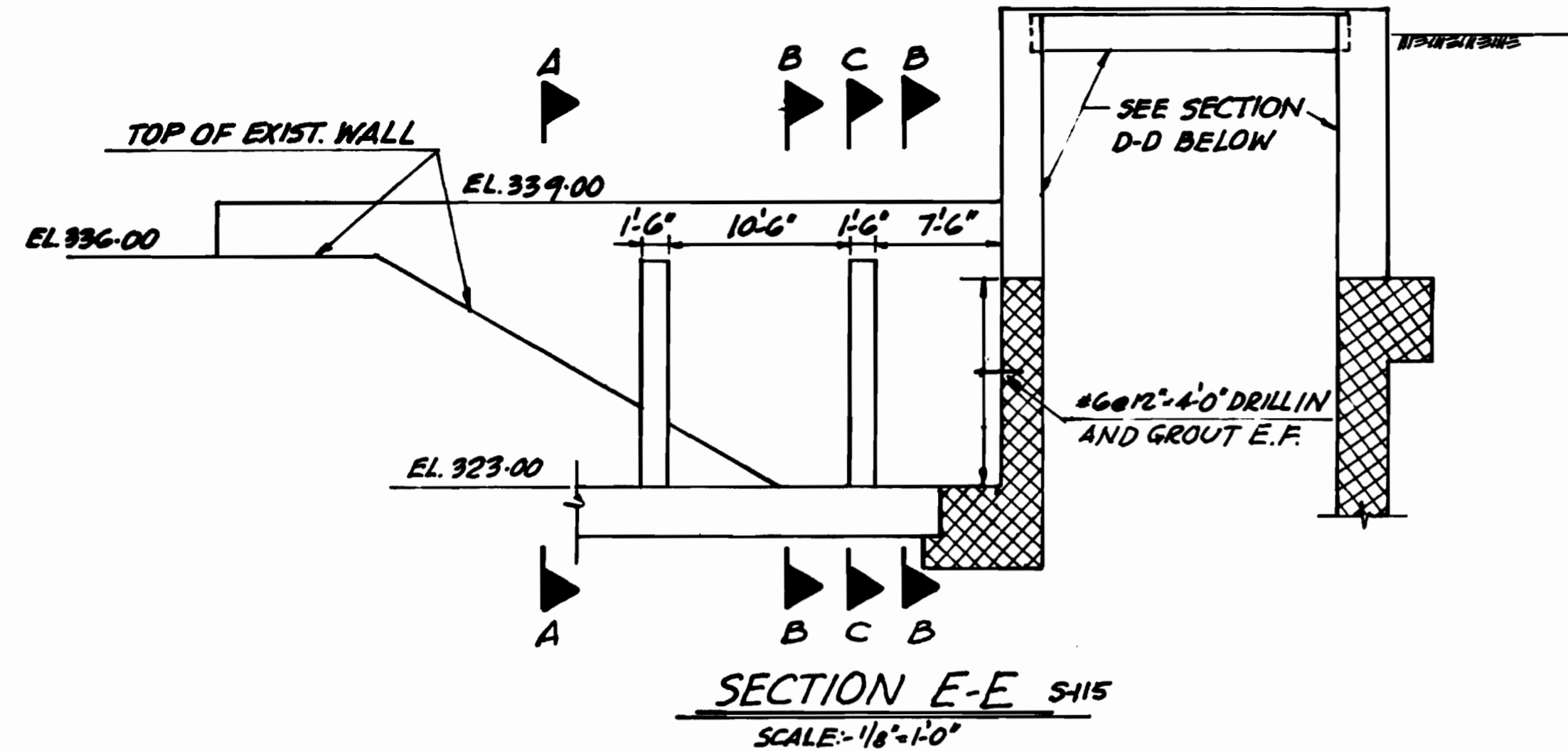
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

DATE: 8/15/80

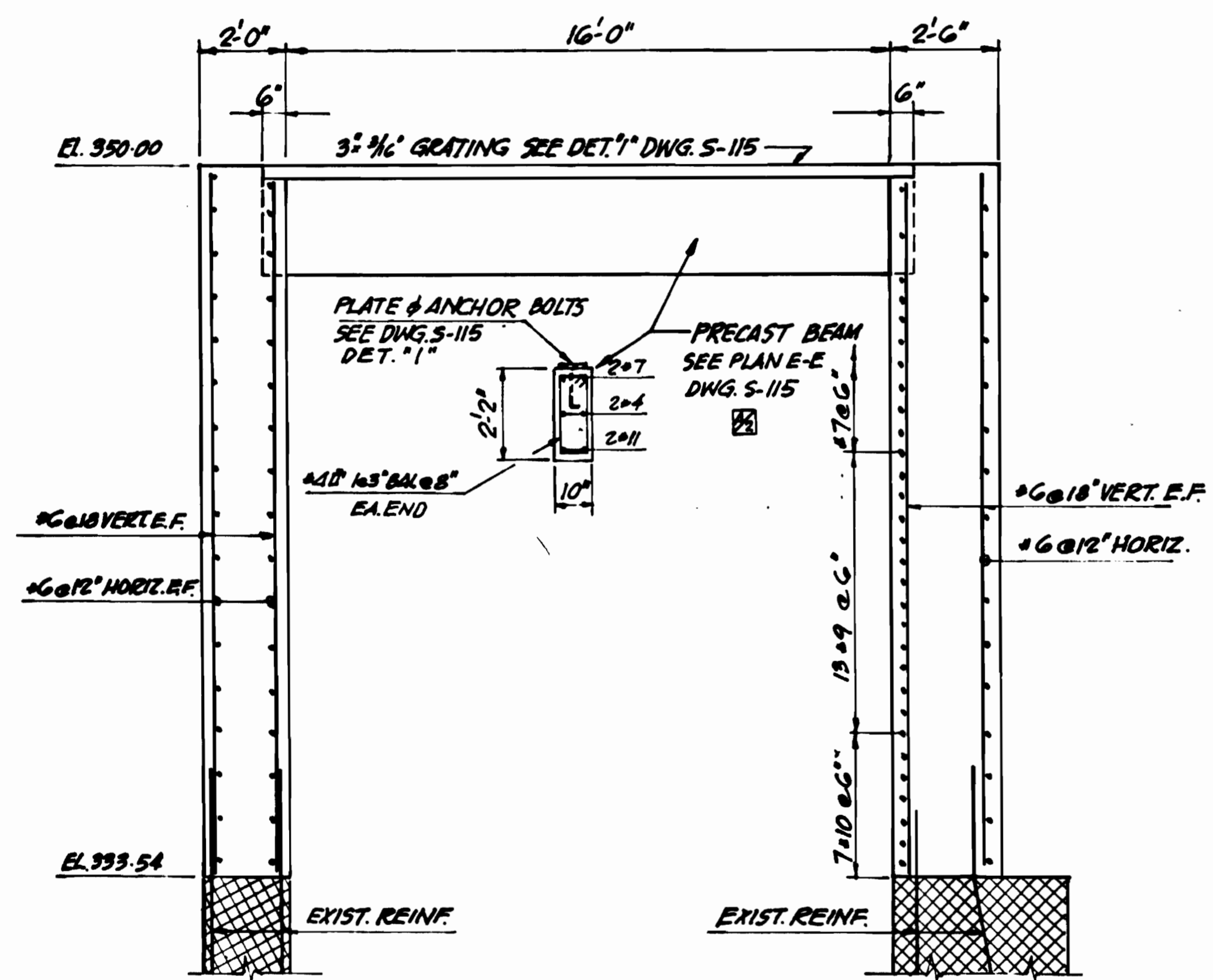
**ROCKVILLE ROUTE
BETHESDA STATION
STRUCTURAL DETAILS**

SCALE: AS NOTED

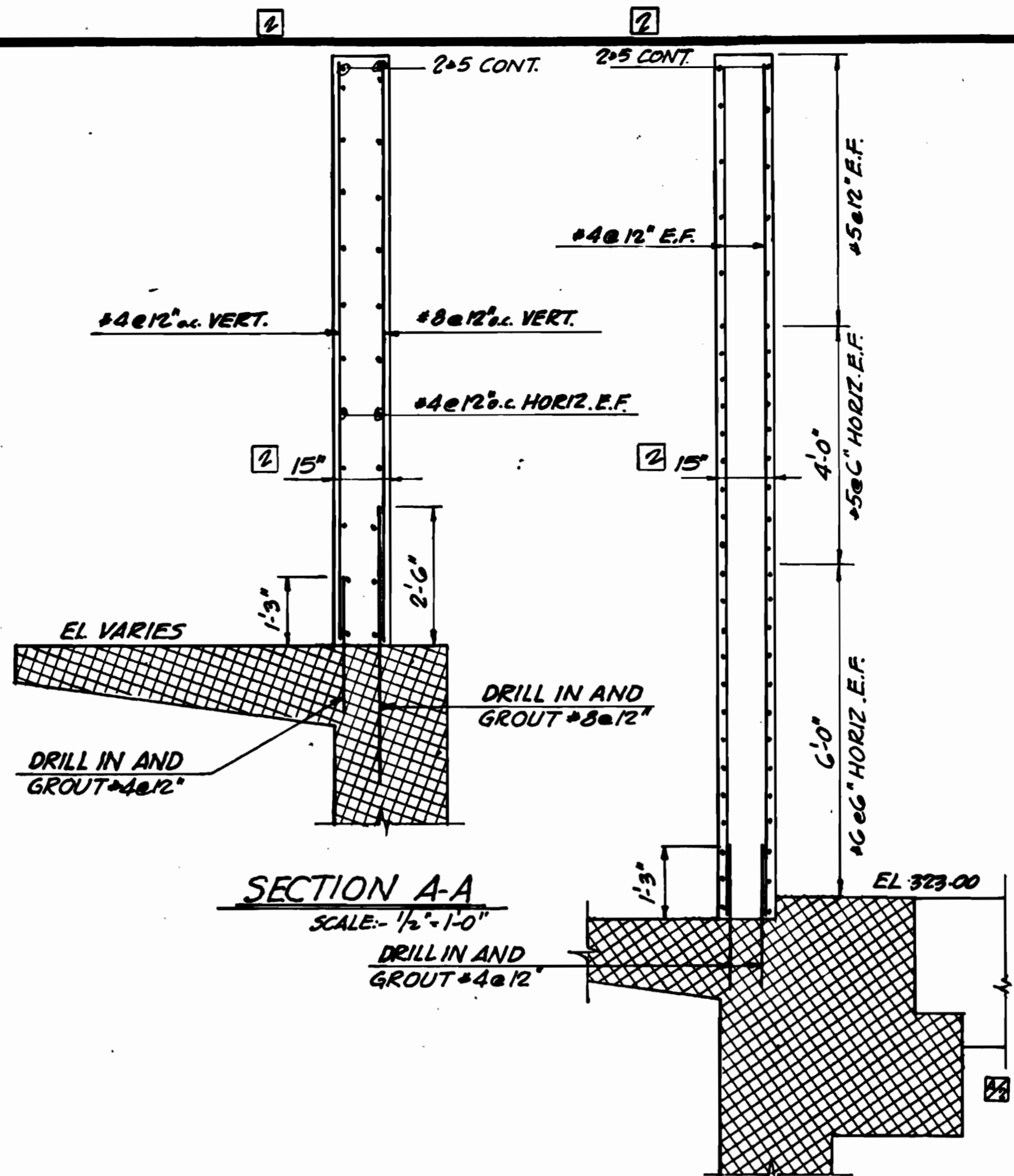
DRAWING NO. **FAIL-S-115** M334-40



SECTION E-E 5-115
SCALE: 1/8" = 1'-0"

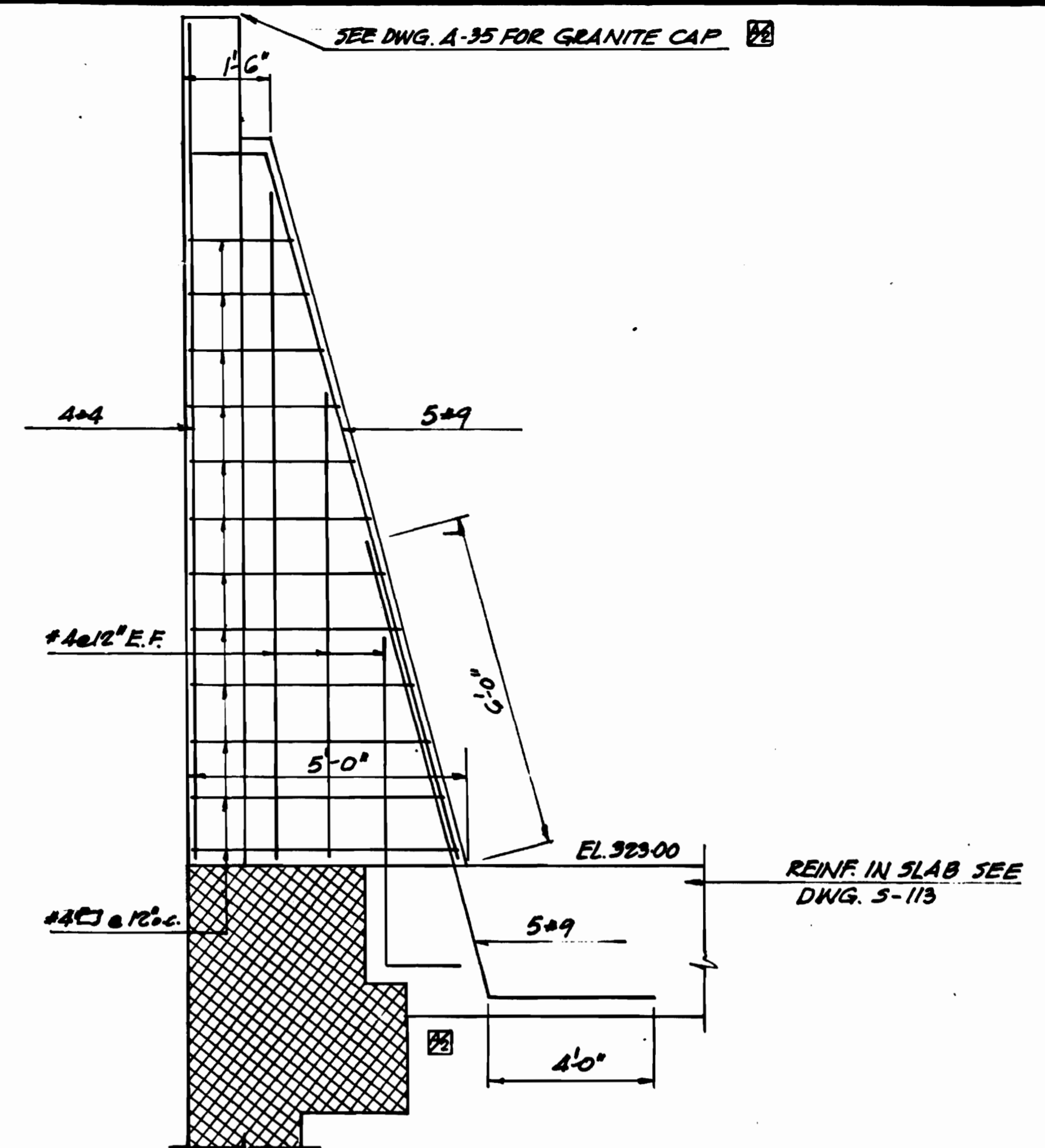


SECTION D-D
SCALE: 3/8" = 1'-0"

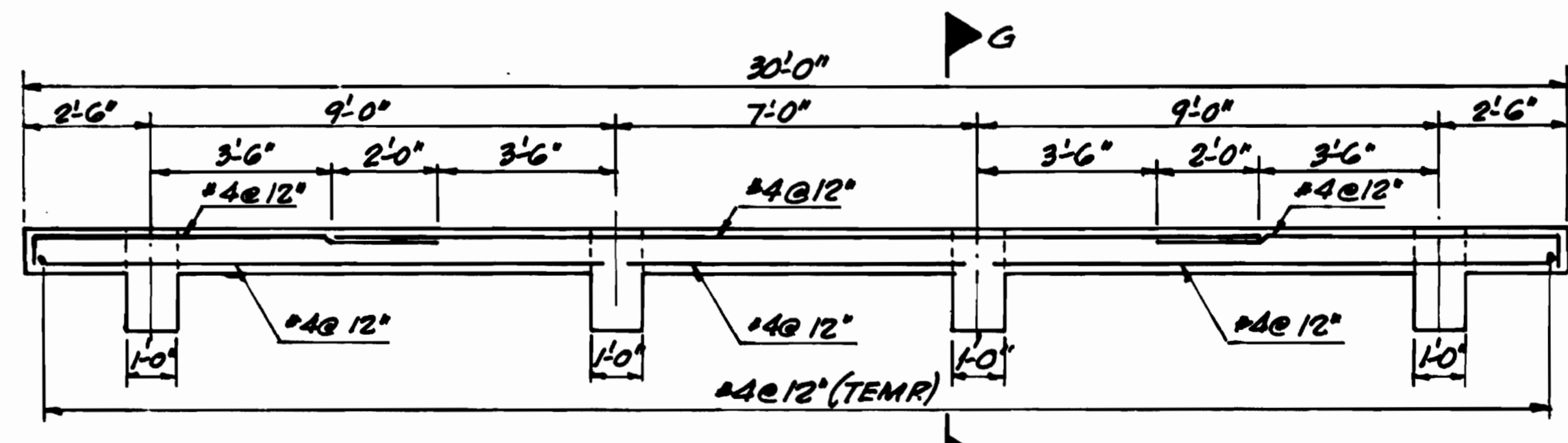


SECTION A-A
SCALE: 1/2" = 1'-0"

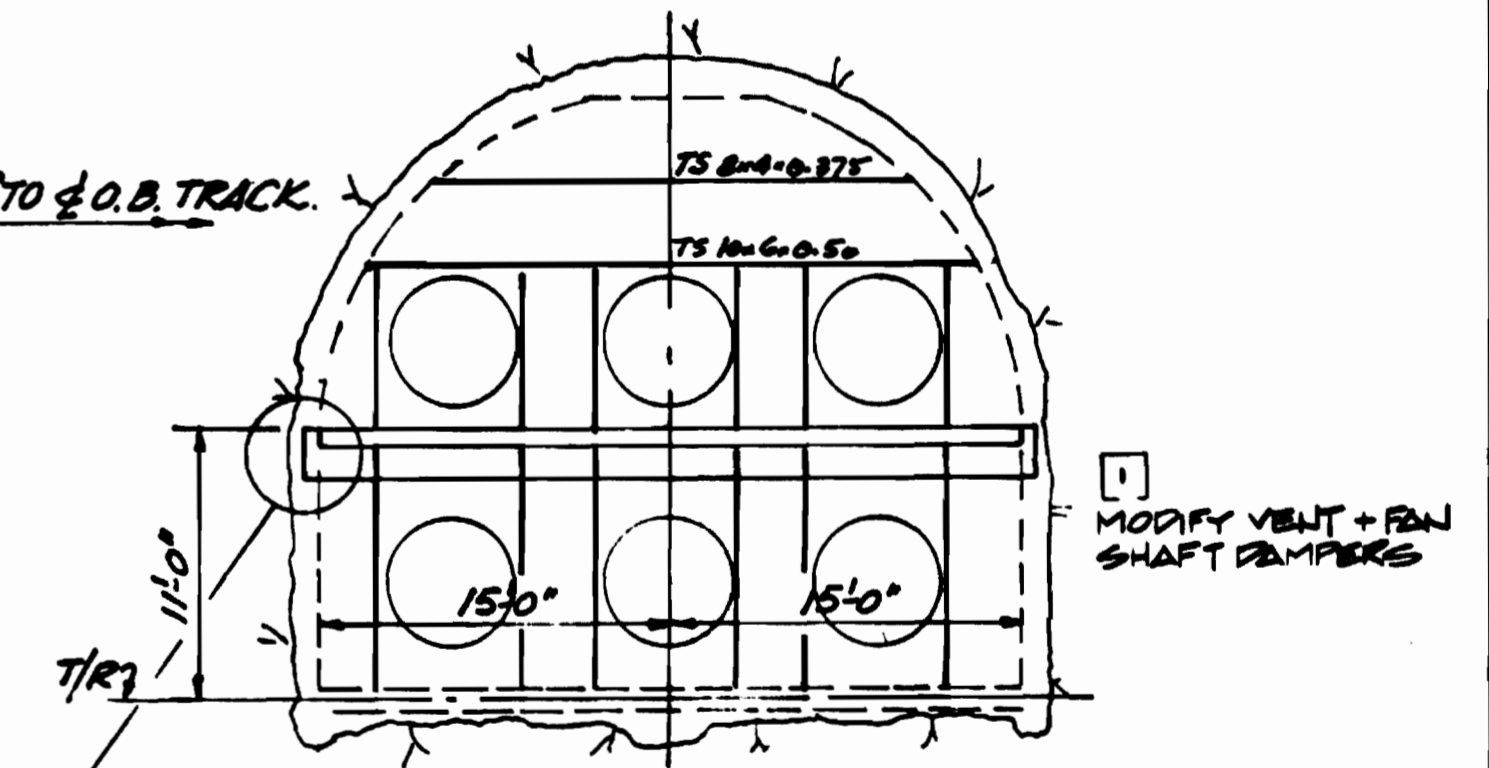
SECTION B-B
SCALE: 1/2" = 1'-0"



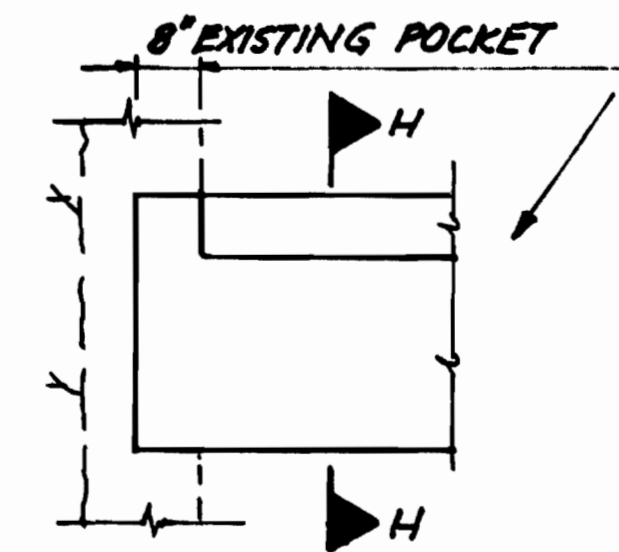
SECTION C-C
SCALE: 1/2" = 1'-0"



SECTION F-F 5-106
SCALE: 3/8" = 1'-0"



SECTION G-G
SCALE: 1/8" = 1'-0"



SECTION H-H
SCALE: 1/2" = 1'-0"

DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
W.S.	6-11-80	5-100	ABBREVIATIONS & STRUCTURAL NOTES.	9-25-80	W.S.	REFERENCE TO GRANITE CAP ADDED AND OUTLINE OF EXIST. CONC. CORRECTED-NOTE ADDED 1/26/80
DRAWN	6-11-80					
CHECKED	6-11-80					
APPROVED	6-11-80			6-10-80	HTJ	1 REVISED PER 100-80, AS BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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SECTION DESIGNER

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GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

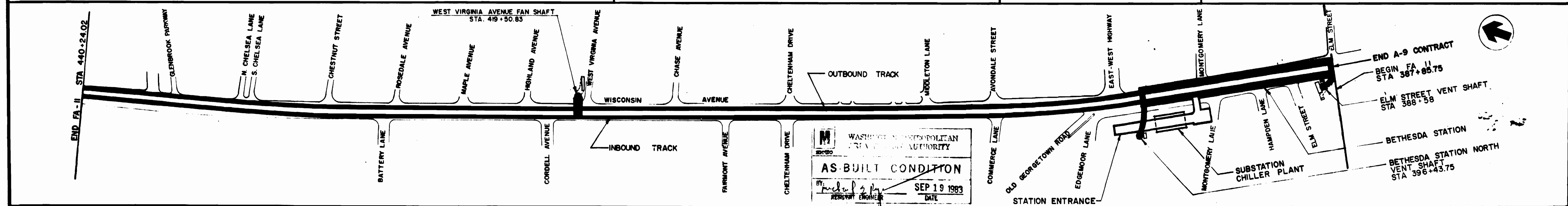
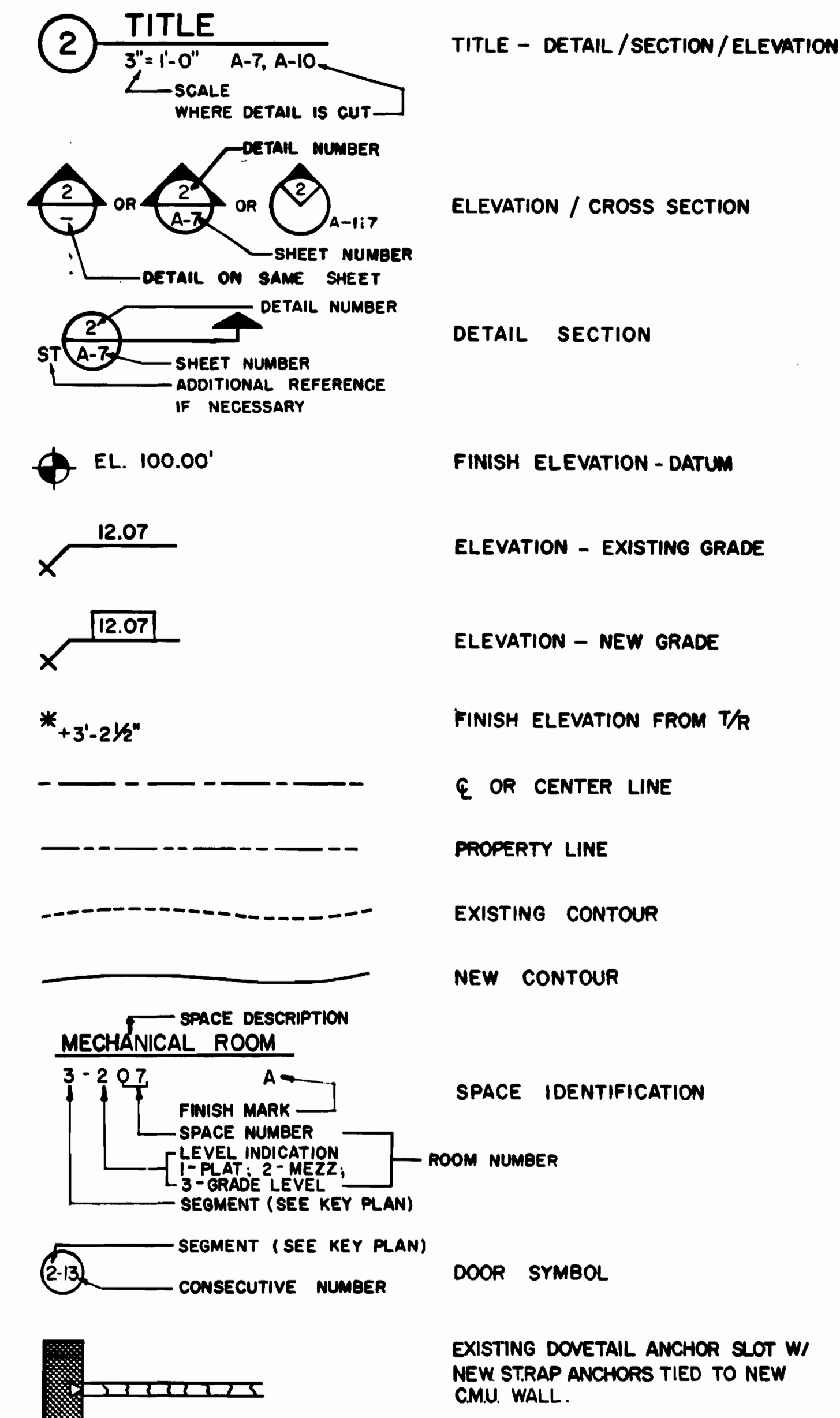
SUBMITTED *Matthew & Beall* DATE 6-15-80 APPROVED *Paul J. Beall*

**ROCKVILLE ROUTE
BETHESDA STATION
STRUCTURAL DETAILS**

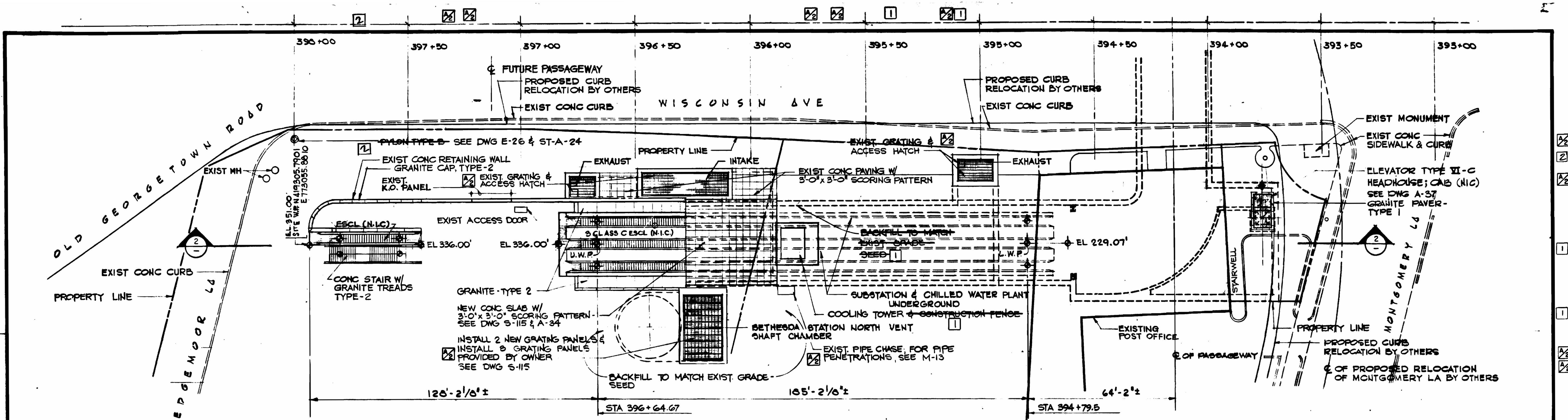
SCALE: AS NOTED DRAWING NO. FA11-S-116 M334-41

ABBREVIATIONS		GENERAL NOTES		MATERIALS		SYMBOLS	
AC ADJ A/C ALUM ANC ε Δ APPROX ARCH @ AVE AVG	ACOUSTIC ADJUSTABLE AIR CONDITION ALUMINUM ANCHOR AND ANGLE APPROXIMATE ARCHITECTURAL AT AVENUE AVERAGE	FL F.D. FLUOR FDN	FLOOR FLOOR DRAIN FLUORESCENT FOUNDATION	PREFAB PREP PROP PLAS PNL	PREFABRICATION PREPARATION PROPERTY PLASTER PANEL		BRICK
BKD B.S. BET BIT BOT BLVD BLDG	BAKED (ENAMEL) BELL SYSTEM BETWEEN BITUMINOUS BOTTOM BOULEVARD BUILDING	GALV GA GL	GALVANIZED GAUGE GLASS	R REC REF REG REINF REQD REV RS RM R.O.	RADIUS RECESS, RECESSED REFERENCE REGULAR REINFORCING REQUIRED REVISED RISER ROOM ROUGH OPENING		CEMENT MORTAR/ SAND
CAB CLG CEM C C.T. CIR CL COL CONC CMU CONST CONT CONV CORR C.C.T.V.	CABINET CEILING CEMENT CENTER LINE CERAMIC TILE C.T. CIRCLE CLEAR COLUMN CONCRETE CONCRETE MASONRY UNIT CONSTRUCTION CONTINUOUS CONVENIENCE CORRIDOR CLOSED CIRCUIT TELEVISION	IN INCL INFO ID INSUL INT	INCH INCLUDING INFORMATION INSIDE DIAMETER INSULATION INTERIOR	SHT SIM SPEC SQ S.S. STD STA STL STOR ST STRUCT SUSP SYM	SHEET SIMILAR SPECIFICATION SQUARE STAINLESS STEEL STANDARD STATION STEEL STORAGE STREET STRUCTURAL SUSPENDED SYMMETRICAL		CONCRETE PRECAST & POURED-IN-PLACE
DEPT DET DIA DIM DO DMPFG DN DWG	DEPARTMENT DETAIL DIAMETER DIMENSION DITTO DAMPPOOFING DOWN DRAWING	JT	JOINT	THK THRU T/R TR TYP	THICK THROUGH TOP OF RAIL TREAD TYPICAL		CONCRETE MASONRY UNIT
EA ELEC EL ELEV ENT EQ EQUIP ESCL EXIST EXP EXT	EACH ELECTRICAL ELEVATION ELEVATOR ENTRANCE EQUAL EQUIPMENT ESCALATOR EXISTING EXPANSION EXTERIOR	K.C. KO LAV LT LWP	KEENES CEMENT KNOCKOUT LAVATORY LIGHT LOWER WORK POINT	VENT VERT VEST V.A.T.	VENTILATION VERTICAL VESTIBULE VINYL ASBESTOS TILE		EARTH
FT FIN F.E. FIX F.H.M.S.	FEET FINISH FIRE EQUIPMENT FIXTURE FLAT HEAD MACHINE SCREW	MACH MAINT M.B.Q. MH MAS M.O. MAT MAX MECH MEMB MET MEZZ MIN MISC	MACHINE MAINTENANCE MECHANICAL BLOCK OUT MANHOLE MASONRY MASONRY OPENING MATERIAL MAXIMUM MECHANICAL MEMBRANE METAL MEZZANINE MINIMUM MISCELLANEOUS	UNFIN U.W.P.	UNFINISHED UPPER WORK POINT		GRAVEL
		NOM N.I.C. N.T.S. NO	NOMINAL NOT IN CONTRACT NOT TO SCALE NUMBER	W.P.F.G. W.S. W.W.F. W/ W/O WD W.P.	WATERPROOFING WATER SERVICE WELDED WIRE FABRIC WITH WITHOUT WOOD WORKING POINT		INSULATION- THERMAL/ACOUSTIC
		O.C. OPNG OPP O.D.	ON CENTER OPENING OPPOSITE OUTSIDE DIAMETER				METAL-FERROUS
		PART PLYWD PT POL LB PSI P.D.C.A.	PARTIAL PLATE PLYWOOD POINT POLISHED POUND POUNDS PER SQUARE INCH POWER DRIVEN CONCRETE ANCHOR				METAL-NON FERROUS
							METAL-ELEVATION
							METAL-SMALL SCALE
							PLASTER
							PLYWOOD
							CERAMIC TILE
							RESILIENT FLOORING
							GRANITE
							WOOD-FINISH
							WOOD-STRUCTURAL
							CONCRETE MASONRY UNIT - SMALL SCALE
							EXISTING MATERIAL

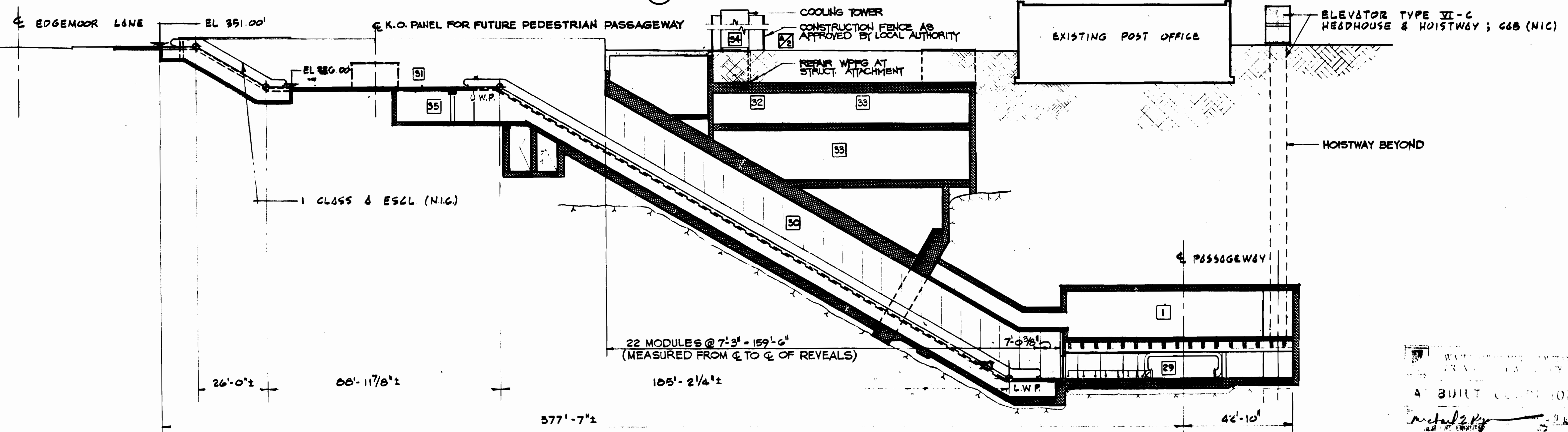
- DIMENSIONS ARE TYPICALLY ROUNDED OFF TO THE NEAREST 1/8 INCH. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS & DIMENSIONS BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION AND/OR FABRICATION. NOMINAL DIMENSIONS ARE SHOWN FOR ALL INTERIOR SPACES, PARTITIONS & WALLS. BLOCK UP ALL MASONRY PARTITIONS SOLID TO UNDERSIDE OF STRUCTURE, EXCEPT AS NOTED. CAULK JOINT BETWEEN TOP OF MASONRY & UNDERSIDE OF STRUCTURE.
- DOOR FRAME LOCATIONS ON PLANS ARE APPROXIMATE AND ARE SET TO THE NEAREST PRACTICAL HORIZONTAL COURSE, UNLESS OTHERWISE INDICATED.
- ALL WORK DAMAGED DURING THIS CONTRACT SHALL BE PATCHED TO MATCH EXISTING WORK.
- ALL WALL, FLOOR, AND CEILING PENETRATIONS INCLUDING SLEEVES THAT ARE NOT USED SHALL BE WATERPROOFED AND SEALED.
- STATION - PLATFORM ENDWALLS ARE NORMAL TO T/R.
- TRANSITION AT INTERSECTIONS EXTERNAL CONCRETE OR PRECAST CONCRETE NOT DETAILED, ARE TO BE BULLNOSED (3/4").
- TO EXIST DOVETAIL SLOTS WITH DOVETAIL ANCHORS. IF EXISTING DOVETAIL SLOTS ARE NOT BUILT AS SHOWN PROVIDE P.D.C.A. EQUIVALENT TO THE DOVETAIL ANCHOR. ALL CMU PARTITION ARE OF STANDARD CONSTRUCTION UNLESS OTHERWISE NOTED.
- LINTELS - UNLESS OTHERWISE NOTED, PROVIDE ONE ANGLE FOR EACH 4" OF MASONRY WALL THICKNESS, AS FOLLOW -
 OPNGS TO 3'-0" 2 3/2" x 3" x 1/4" 3 1/2" LEG HORIZ.
 3'-1" TO 5'-0" 2 4" x 3 1/2" x 5/16" 3 1/2" LEG HORIZ.
 5'-1" TO 7'-11" 2 5" x 3 1/2" x 5/16" 3 1/2" LEG HORIZ.
 8'-0" & OVER 8 WF 17 WITH 5/16" SUSP R.
 PROVIDE MIN. BEARING EACH END OF 5" FOR 2'S & 8" FOR 8WF.
- WHERE RAILINGS OR OTHER ATTACHMENTS ARE INSTALLED ON WATERPROOFED SURFACES, PATCH, REPAIR & SEAL TIGHT TO MAINTAIN WATERPROOFING INTEGRITY AT ATTACHMENT.
- SEALING LEAKS IN THE STATION :
 a. HOISTWAY FOR THE TRACTION ELEVATOR.
 b. WEST WALL CLEANERS AND WATER SERVICE ROOM.
 c. TRAIN CONTROL, COMMUNICATION AND OPERATIONS RMS. (SLURRY CMU WALLS).
 d. UPPER AND LOWER SURFACE OF SOUTH SERVICE RM. ROOF SLABS. XYPEX WATERPROOFING SYSTEM.
- REVISE EXISTING DOOR OPENINGS TO ACCOMMODATE INSTALLATION OF HOLLOW METAL DOOR FRAMES.



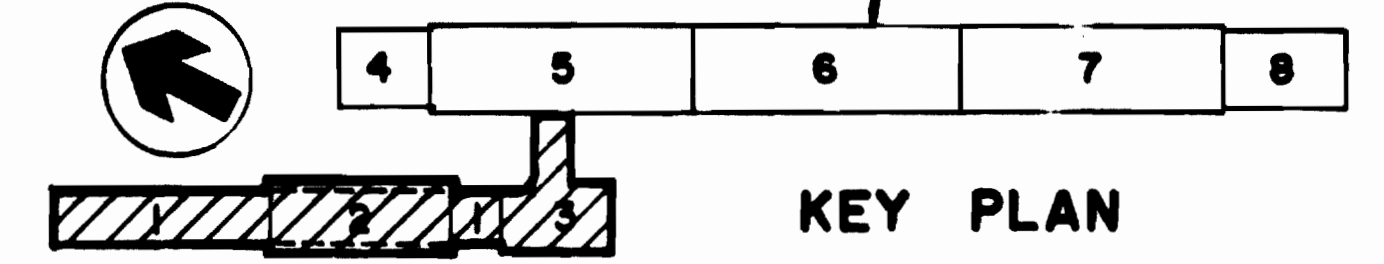
DESIGNED J. R. KRESS DATE 11-2-73	REFERENCE DRAWINGS	REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER SUBMITTED [Signature] DATE 8/15/80	DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESSE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT	ROCKVILLE ROUTE ABBREVIATIONS, GENERAL NOTES, LEGEND OF SYMBOLS, KEY PLAN SCALE NO SCALE DRAWING NO. FA 11-A-1 M334-42
DRAWN C.E. BERGER DATE 3-11-74	NUMBER DESCRIPTION DATE BY	DESCRIPTION				
CHECKED M. MAHAN DATE 8-18-80	M-2 KEY PLAN OF MECH DWGS 6-10-83 MD 1	ADDED NOTE PER P.C. 47, AS-BUILT				
APPROVED J. R. KRESS DATE 8-18-80	S-100 ABBREV, SYMBOLS & NOTES	2				



1 PLAN



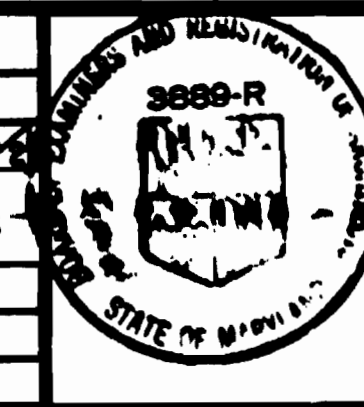
2 SECTION



DESIGNED	J. R. KRESS	4-1-74
DRAWN	G. E. BERGER	4-23-74
CHECKED	M. MAHAN	8-18-80
APPROVED	J. R. KRESS	8-18-80

NUMBER	DESCRIPTION	DATE	BY
S-113	NORTH VENT SHAFT	9-28-80	J.K.
M-26	ESCAL. PLAN	8-10-83	MD

REVISIONS	DESCRIPTION
1	GENERAL REVISIONS - NOTES
2	DELETED PER P.C. 78, AS-BUILT
3	REV. PER FIELD COND. AS-BUILT



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SECTION DESIGNER

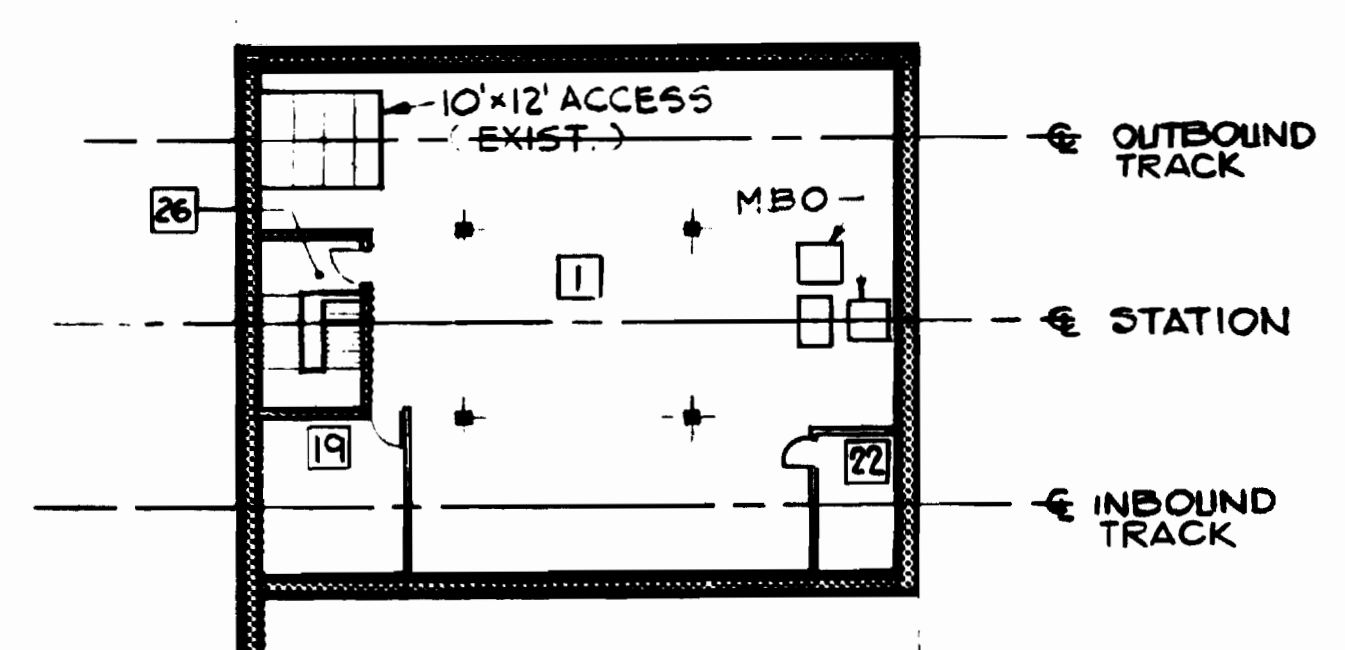
DE LEUW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

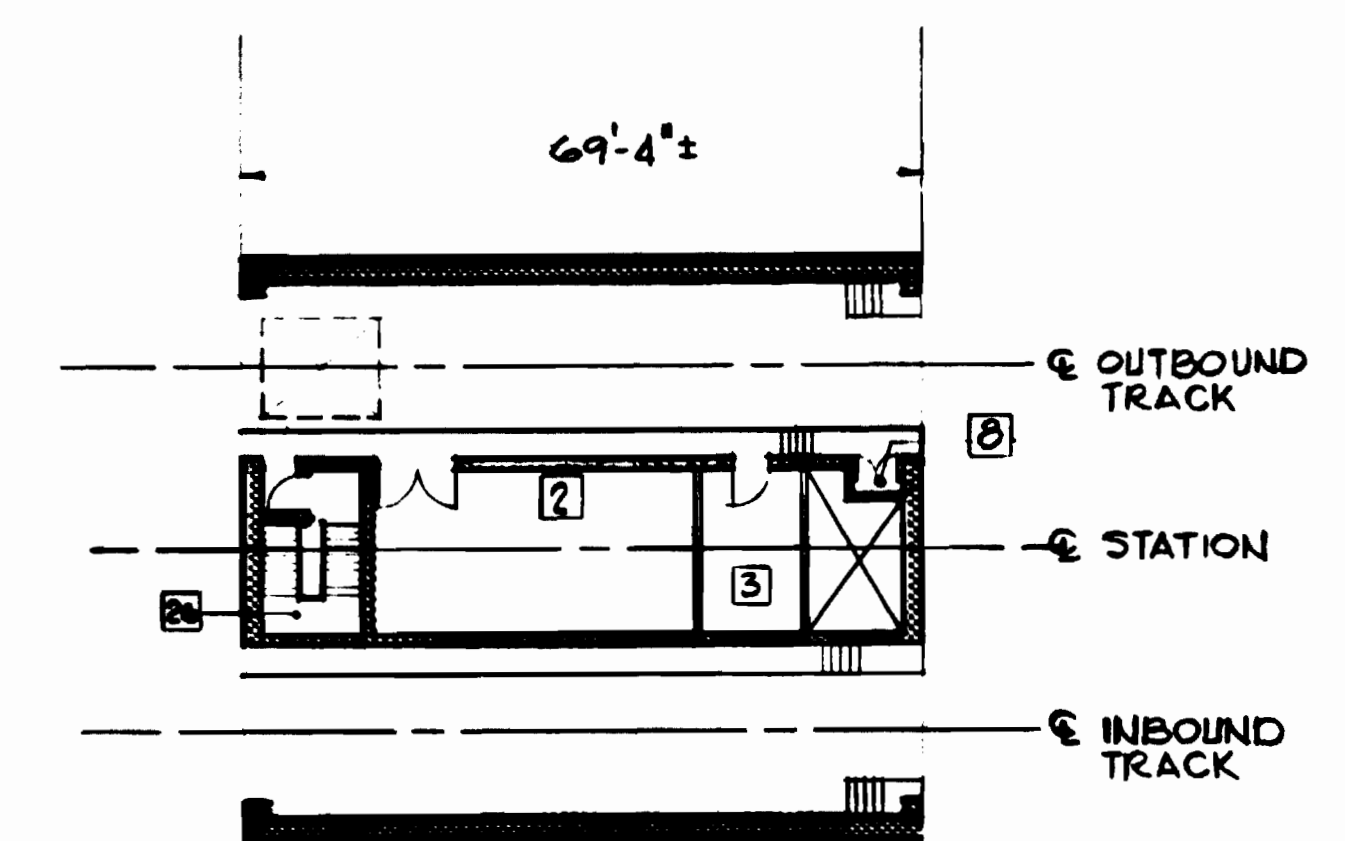
SUBMITTED *Jerry R. Kress* DATE 8-15-80 APPROVED *Tom J. Lohr*

**ROCKVILLE ROUTE
BETHESDA STATION
FUNCTIONAL ENTRANCE-PLAN & SECTION**

SCALE 1" = 20'-0" DRAWING NO. FALL-A-3 DRAWING NO. M334-43



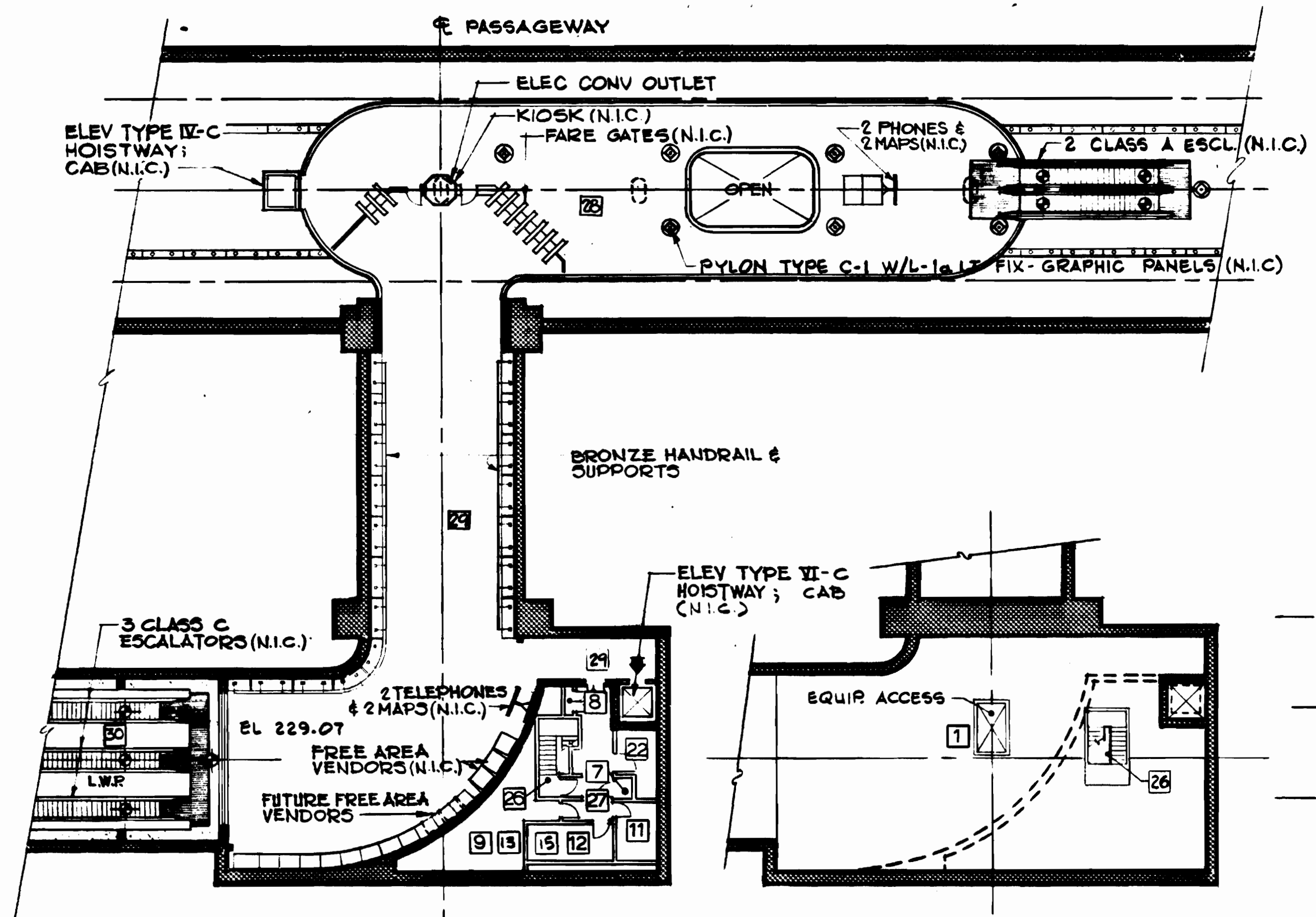
3 NORTH MEZZANINE LEVEL
SEE DWG A-24



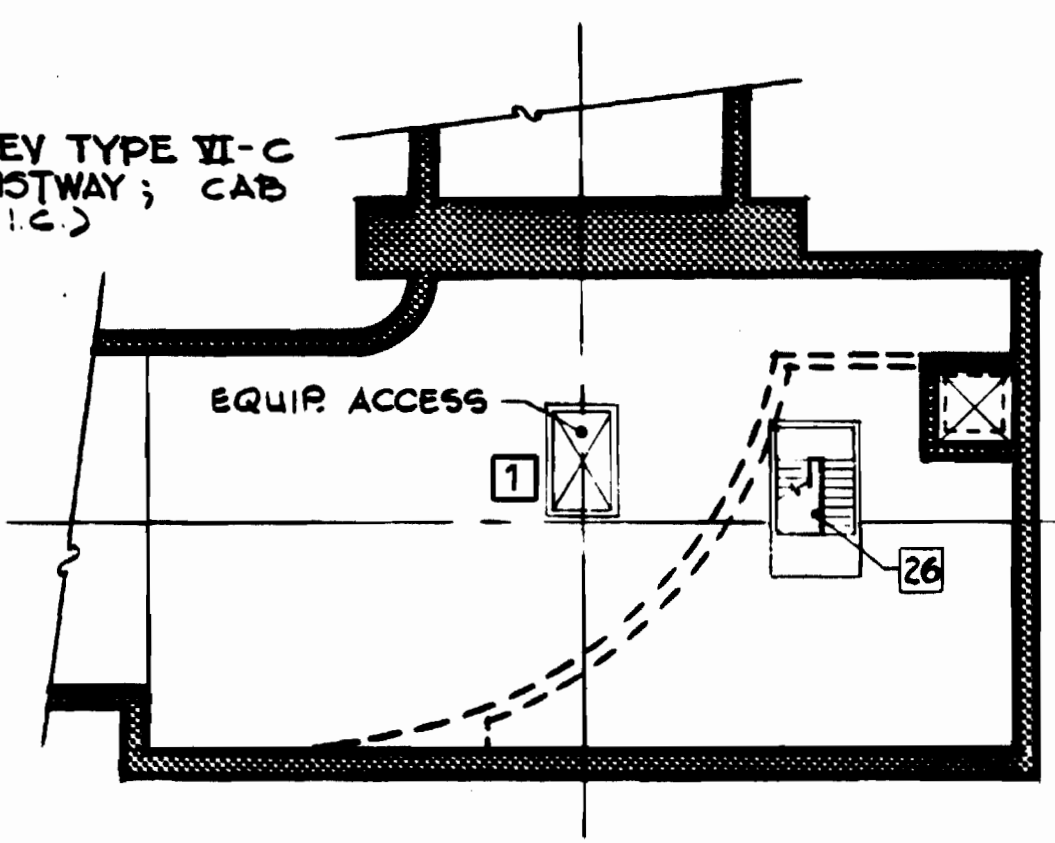
4 NORTH PLATFORM LEVEL
SEE DWG A-15

SPACE LEGEND	
1	MECHANICAL RM
2	A.C. SWITCHBOARD RM
3	BATTERY RM
4	COMMUNICATIONS RM
5	TRAIN CONTROL RM
6	OPERATIONS RM
7	BELL SYSTEM RM
8	FIRE EQUIPMENT CABINET
9	CLEANERS RM
10	CLEANERS & EJECTOR RM
11	WOMEN'S WASH RM
12	MEN'S WASH RM
13	WATER SERVICE RM
15	BUS DRIVERS' WASH RM
19	MAINTENANCE RM
22	ELEVATOR MACHINE RM
24	CART STORAGE RM
25	PLATFORM
26	STAIRWAY
27	CORRIDOR
28	MEZZANINE
29	PASSAGEWAY
30	ESCALATORWAY
31	ENTRANCE
32	CHILLER PLANT
33	SUBSTATION
34	COOLING TOWER
35	ESCALATOR MACHINE RM

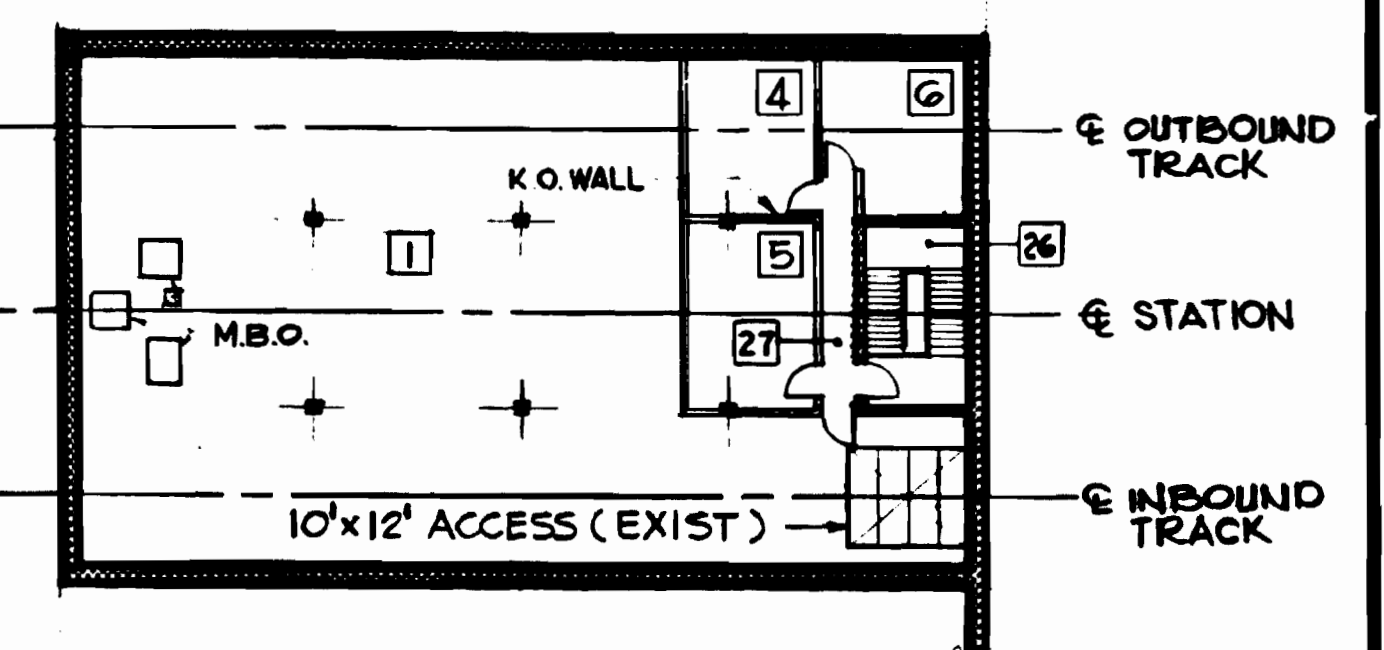
NOTE: SPACE LEGEND NUMBERS APPLY TO DWGS A-3 & A-4 ONLY.



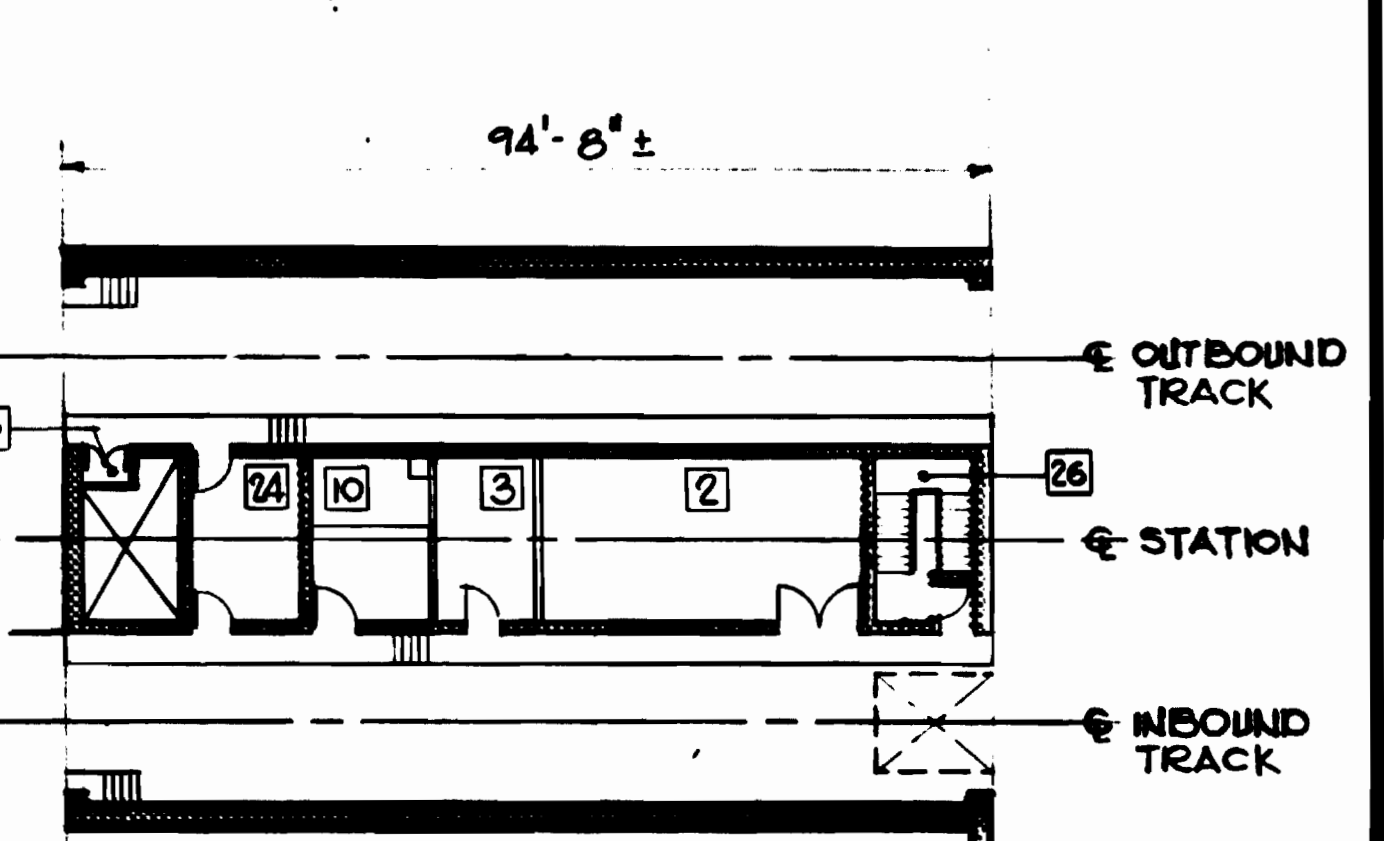
7 PASSAGEWAY & MEZZANINE
SEE DWGS A-26 & A-31



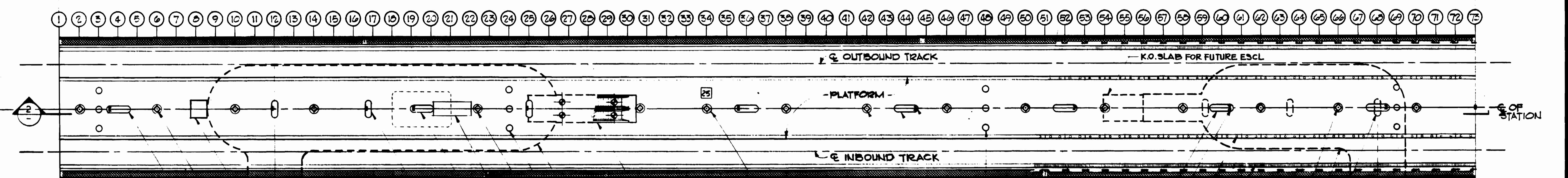
8 ATTIC PLAN
SEE DWG A-31



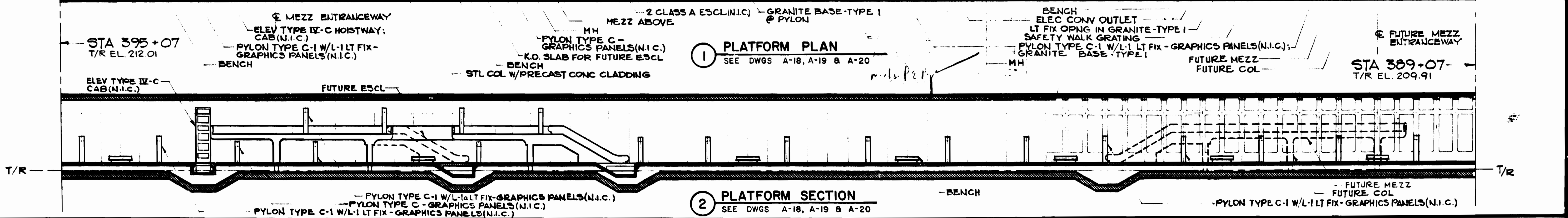
5 SOUTH MEZZANINE LEVEL
SEE DWG A-24



6 SOUTH PLATFORM LEVEL
SEE DWG A-15



1 PLATFORM PLAN
SEE DWGS A-18, A-19 & A-20



2 PLATFORM SECTION
SEE DWGS A-18, A-19 & A-20

DESIGNED	J. R. KRESS	12-1-73
DRAWN	G. E. BERGER	12-10-73
CHECKED	M. MAHAN	8-16-80
APPROVED	J. R. KRESS	8-16-80

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



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GENERAL ENGINEERING CONSULTANT

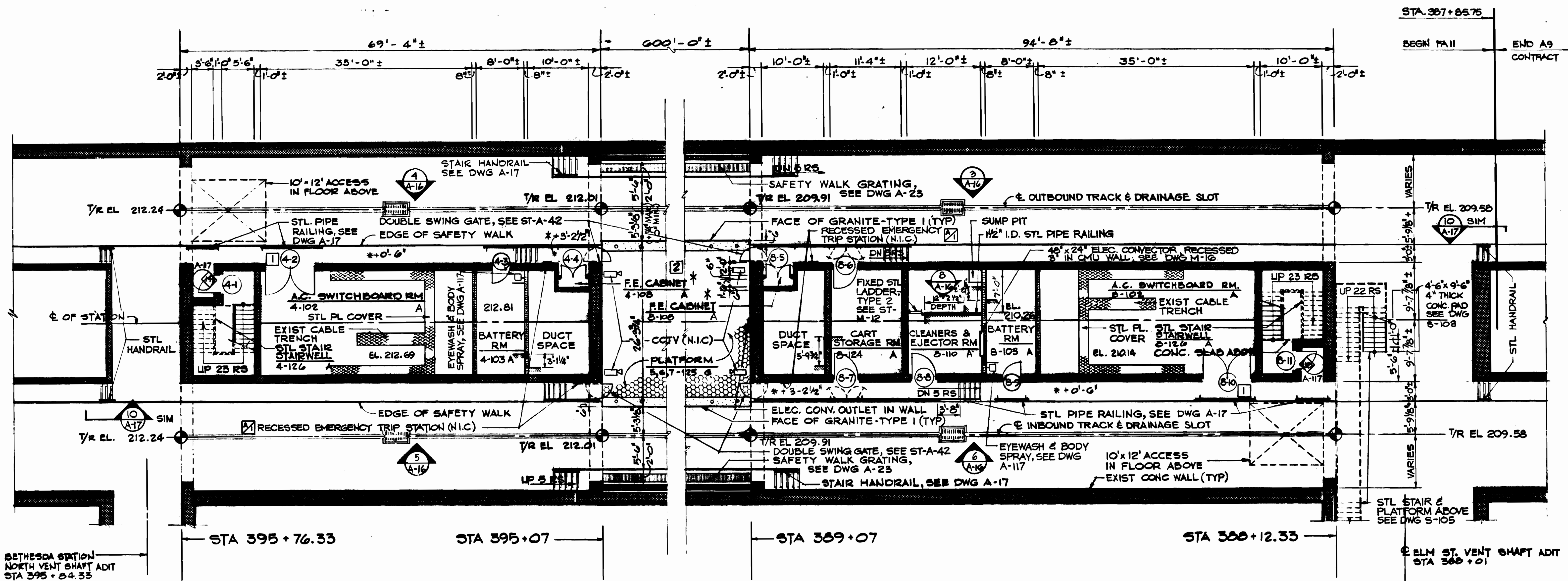
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *J. R. Kress* DATE 8-15-80 APPROVED *[Signature]*

**ROCKVILLE ROUTE
BETHESDA STATION**

FUNCTIONAL PLANS—MEZZANINE & PLATFORM LEVELS

SCALE 1" = 20' 5 0 5 10 20
DRAWING NO. FALL-A-4 M334-44

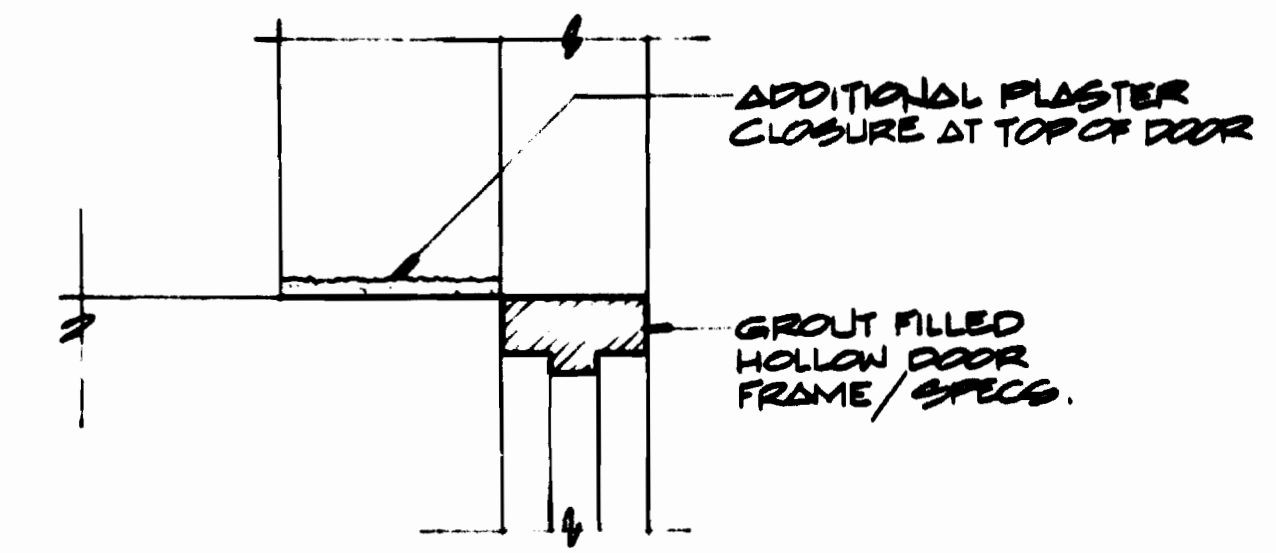


① PLAN SERVICE ROOMS (NORTH)

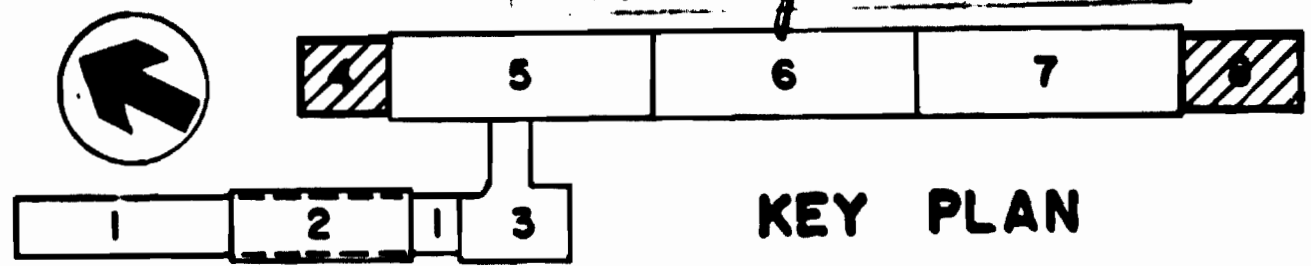
② PLAN SERVICE ROOMS (SOUTH)

GENERAL NOTES

1. SEE DWG A-32 FOR F.E.C. EQUIPMENT LIST.
2. ADDED PLASTER CLOSURE ABOVE TOP OF DOOR FOR AREAS CAB. 4-108 & B-108 SEE DETAIL-1.



② DETAIL-1
N.T.S.



DESIGNED J.R. KRESS 12-1-73
 DRAWN C.E. BERGER 12-19-73
 CHECKED M. MAMAN 8-16-80
 APPROVED J.R. KRESS 8-16-80

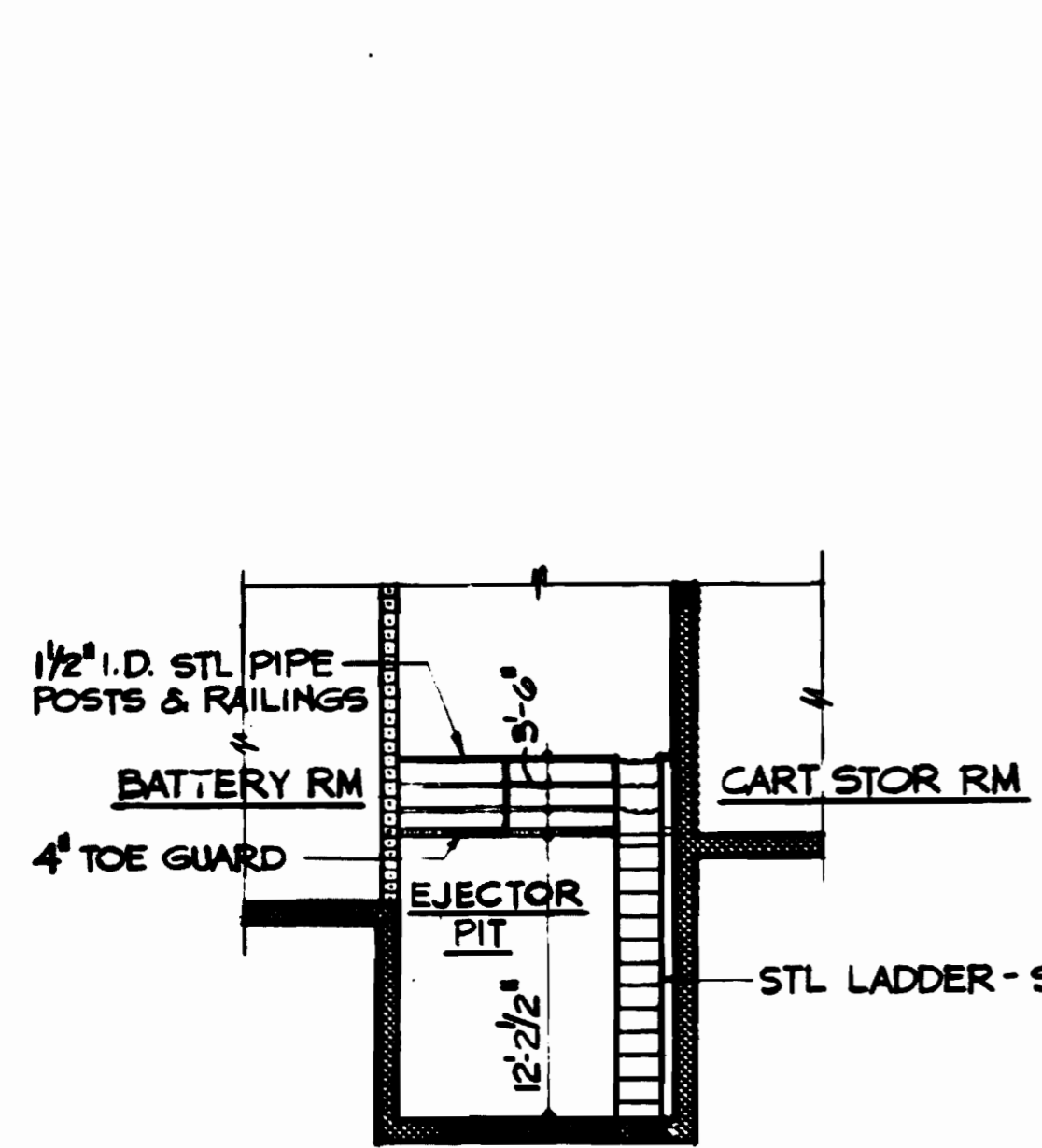
REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
S-102	SERVICE AREAS NORTH & SOUTH STAIRS	9-15-80	J.K.
M-16	ANCILLARY AREAS PLATFORM LEVEL		
E-16	NORTH & SOUTH ANCILLARY SPACES - LTG	8-10-85	MD
E-17	NORTH & SOUTH ANCILLARY SPACES - PWR		
E-11	ELEC KEY PLAN - ANCL SPACES		



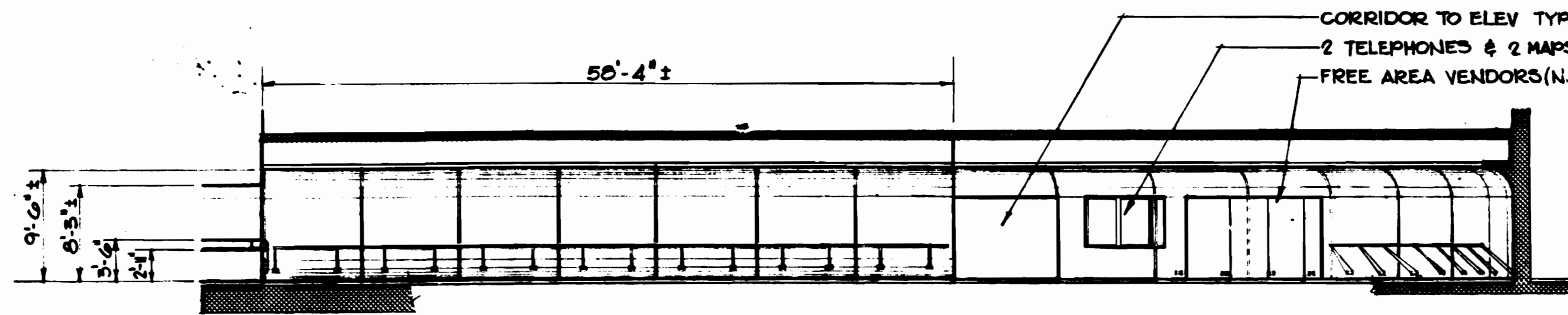
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
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 GENERAL ARCHITECTURAL CONSULTANT

ROCKVILLE ROUTE
 BETHESDA STATION
 ANCILLARY SPACES - PLATFORM LEVEL
 SCALE 1/8" = 1'-0"
 DRAWING NO. FALL - A-15
 M334-45

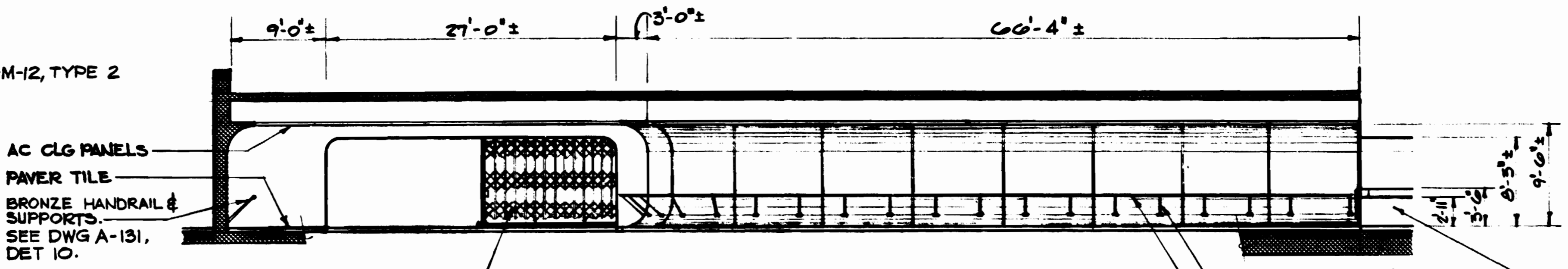
□ □ □ □ □ □ □



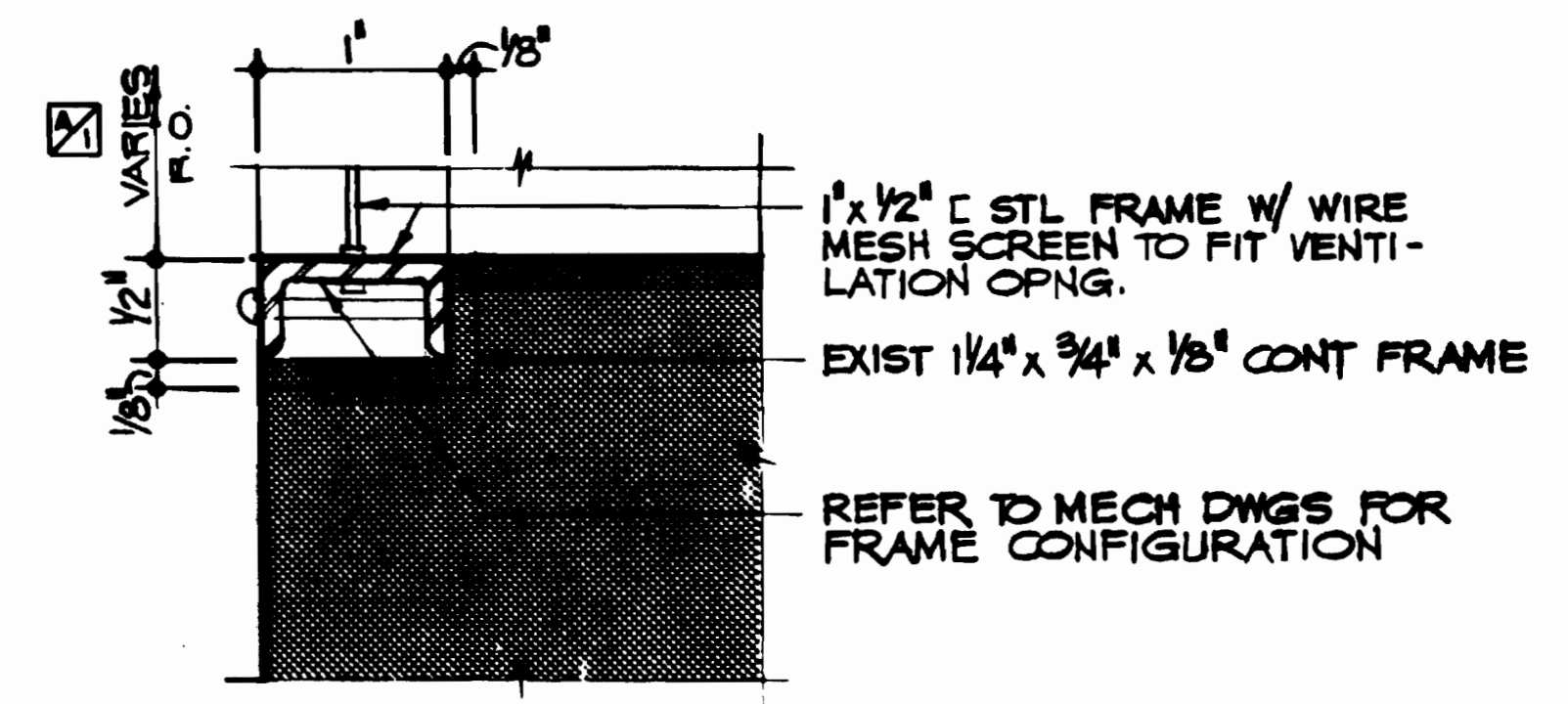
8 EJECTOR PIT ELEVATION
SCALE: 1/8" = 1'-0"



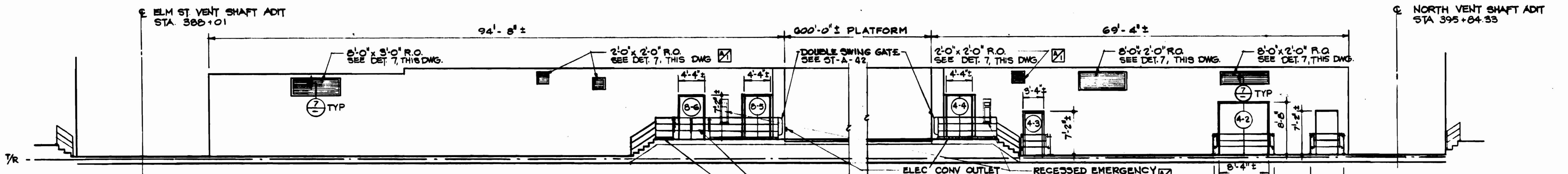
1 PASSAGEWAY - NORTH ELEVATION



2 PASSAGEWAY - SOUTH ELEVATION

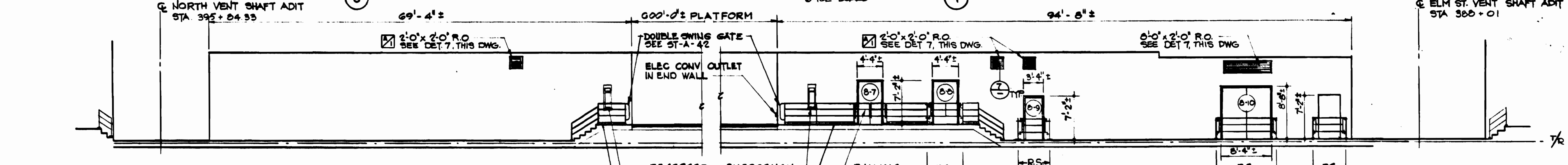


7 DETAIL FRAME @ OPNG
FULL SIZE



3 SOUTH SPACES - EAST ELEVATION

4 NORTH SPACES - EAST ELEVATION

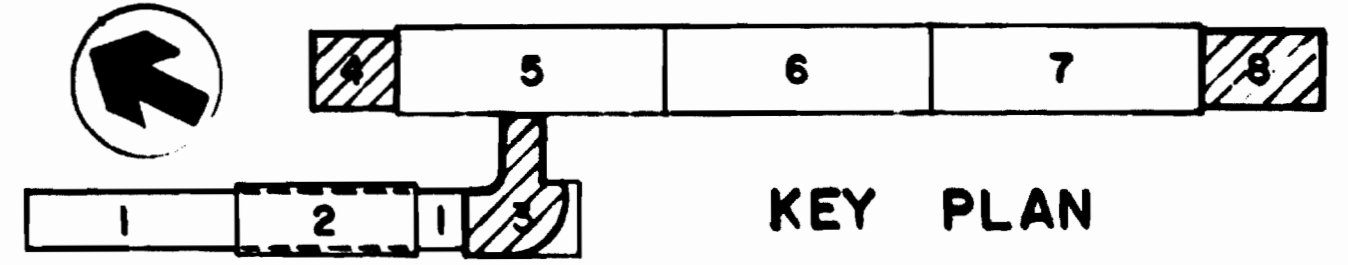


5 NORTH SPACES - WEST ELEVATION

6 SOUTH SPACES - WEST ELEVATION

ANCILLARY SPACES - PLATFORM LEVEL

LEGEND
R.S.: REMOVABLE SECTION
SEE DWG A-17 AND ST-A-42 (TYP)



DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
J.R. KRESS	12-30-79	ST-M-102	RAILING GATE FOR CART STORAGE	9-15-80	EMER TRIP STATION (N.I.C.) / MECH. OPNGS.
C.L. BERGER	1-11-74				6" TOE BOARD
M. MAHAN	9-18-80				
J.R. KRESS	9-18-80				



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SECTION DESIGNER

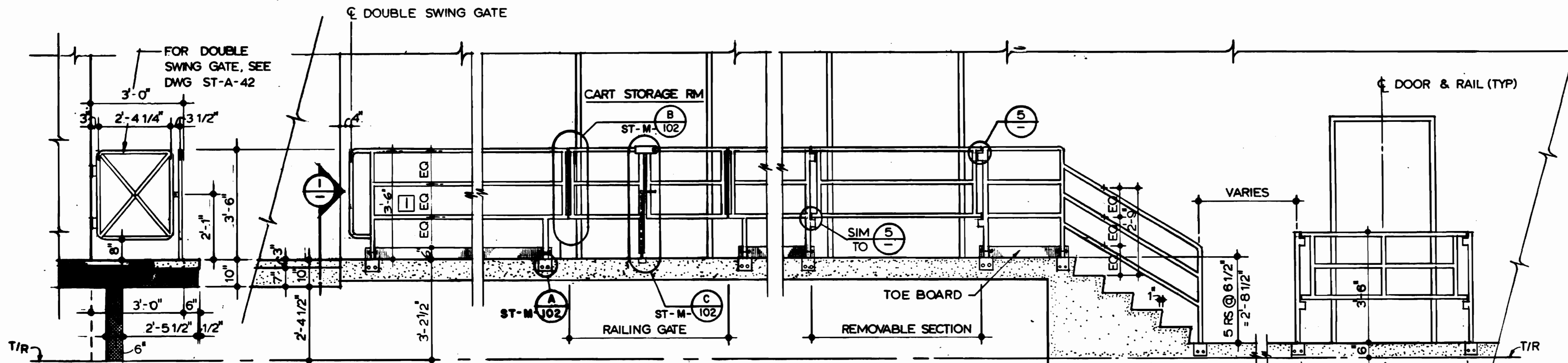
DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE 8-15-80 APPROVED *[Signature]*

**ROCKVILLE ROUTE
BETHESDA STATION
ANCILLARY ELEVATIONS**

SCALE: 1/8" = 1'-0" 10 2 4 6 8 10
DRAWING NO. FALL-A-16 M334-46

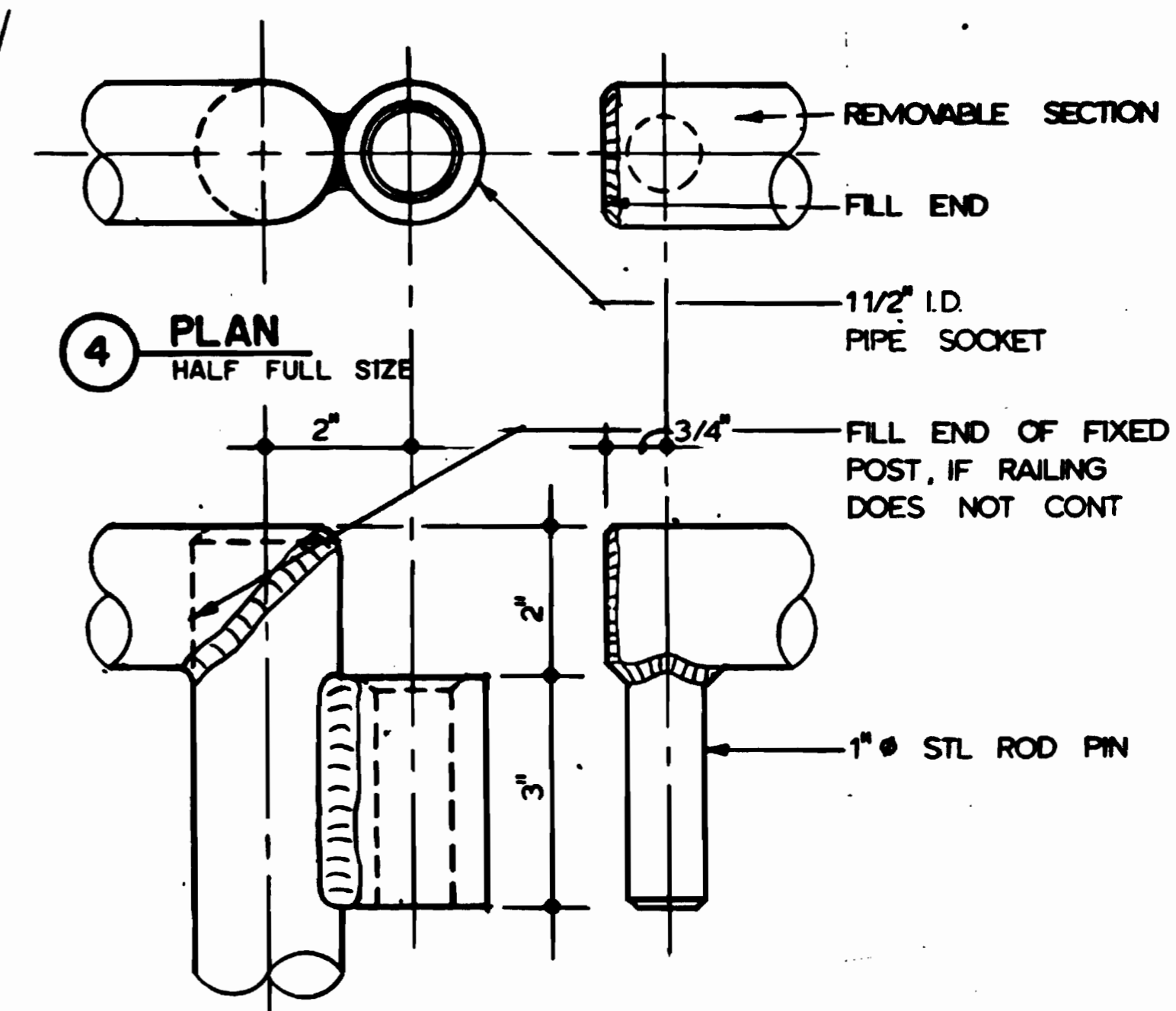


1 ELEVATION
SCALE: 1/2" = 1'-0"

2 TYPICAL RAILING ELEVATION
SCALE: 1/2" = 1'-0"

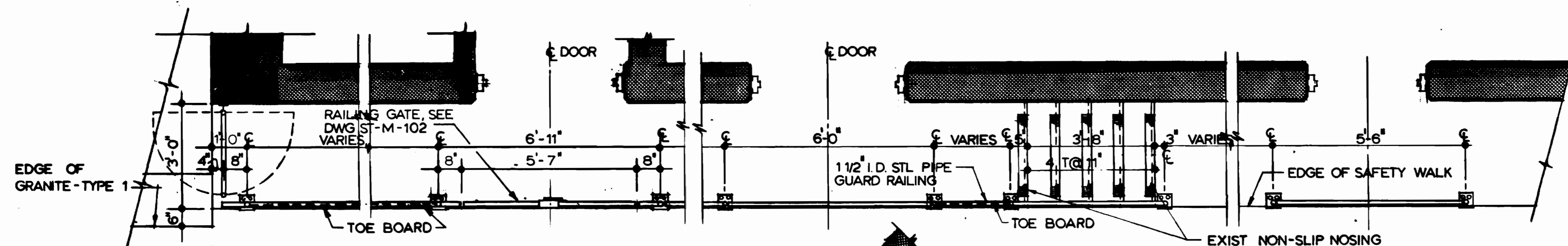
NOTES

- A. R.S. = REMOVABLE SECTION
- B. ALL DIMENSIONS SHOWN ARE TYPICAL. FOR ACTUAL CONDITION WHERE THESE DIMENSIONS APPLY, SEE DWG A-15 & A-16.
- C. LENGTH OF R.S. TO BE WIDTH OF DOOR (JAMB TO JAMB) + 12" ON EACH SIDE, MINIMUM. R.S. TO BE CENTERED ON C OF DOOR.



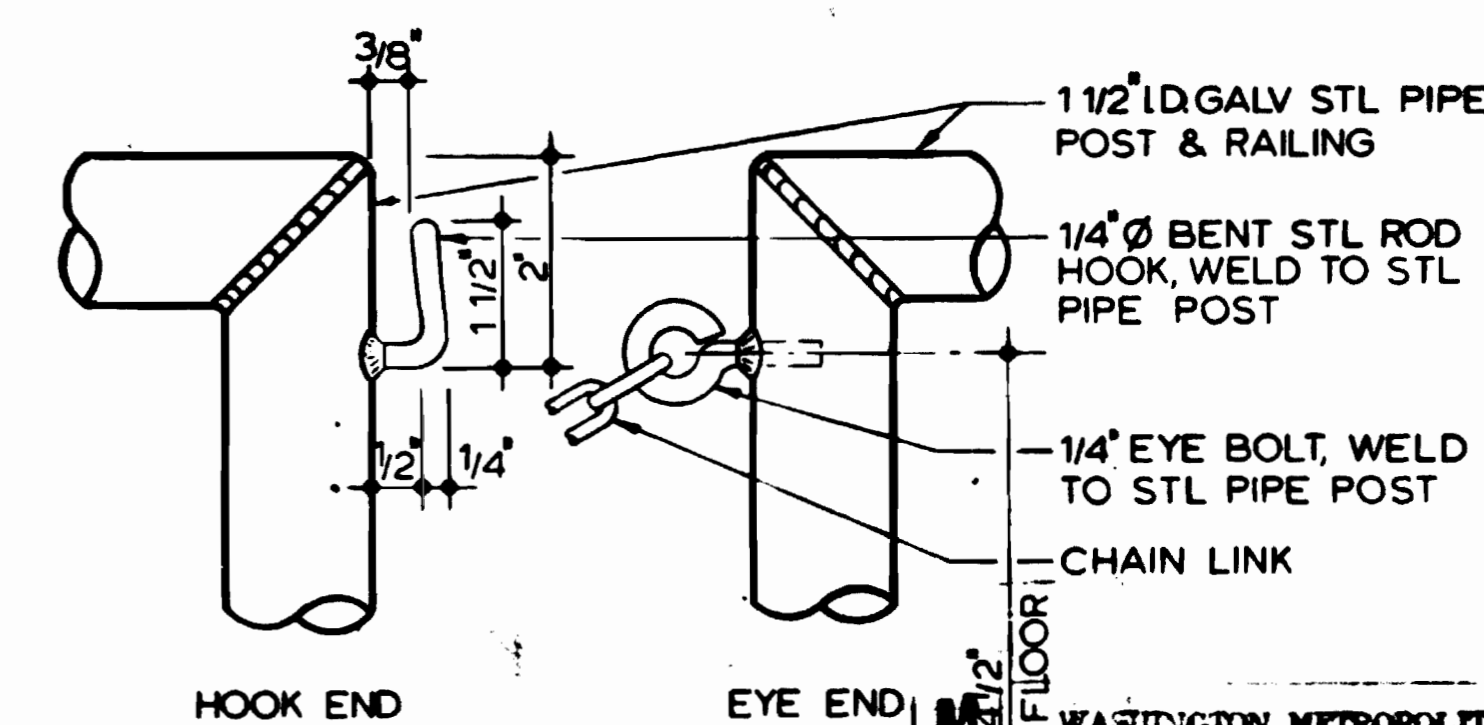
4 PLAN
HALF FULL SIZE

5 ELEVATION
HALF FULL SIZE



3 TYPICAL RAILING PLAN
SCALE: 1/2" = 1'-0"

REMOVABLE RAILING - SOCKET

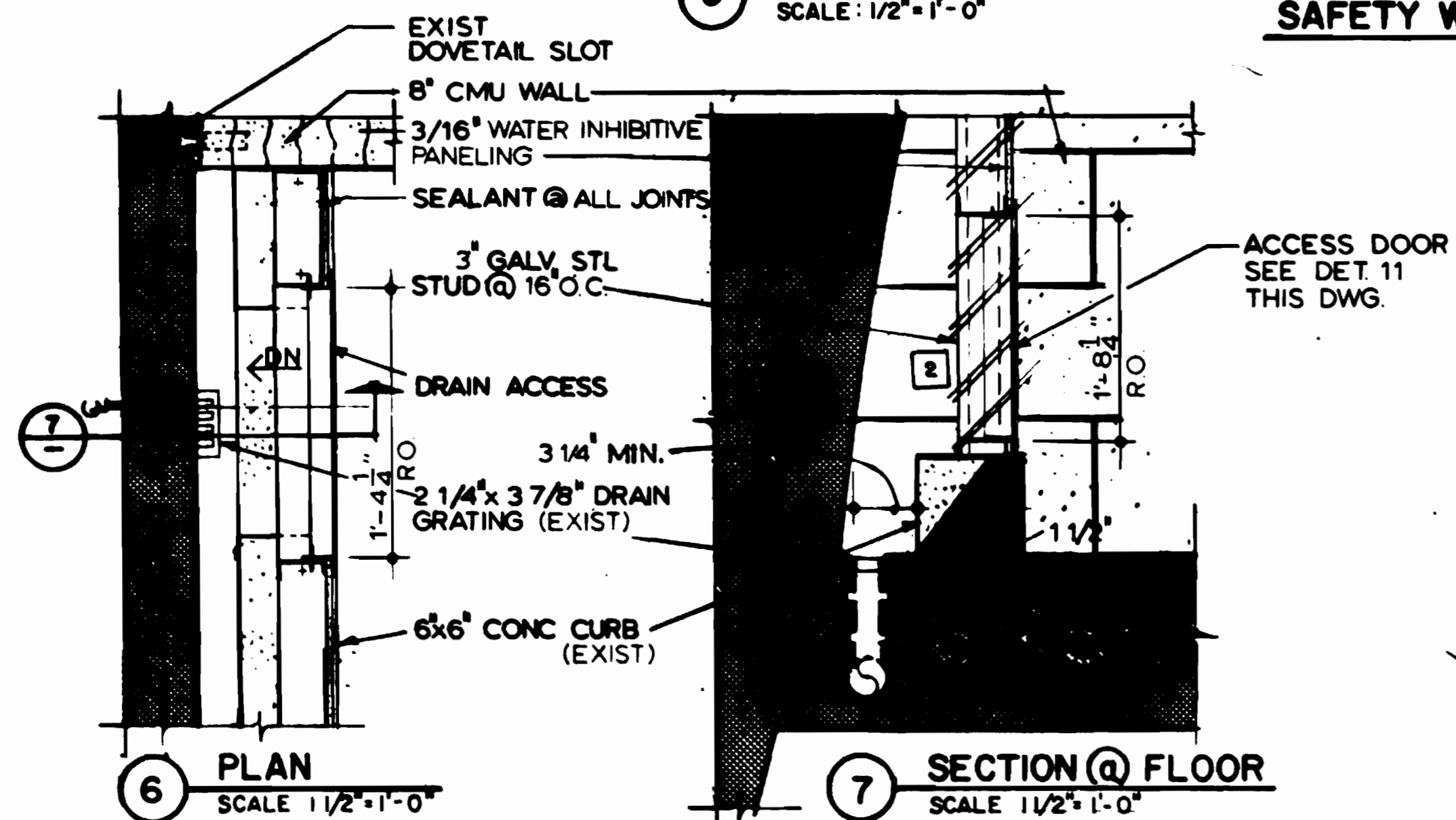


9 SAFETY HOOK & CHAIN
HALF FULL SIZE

AS-BUILT CONDITION

SEP 19 1983
DATE

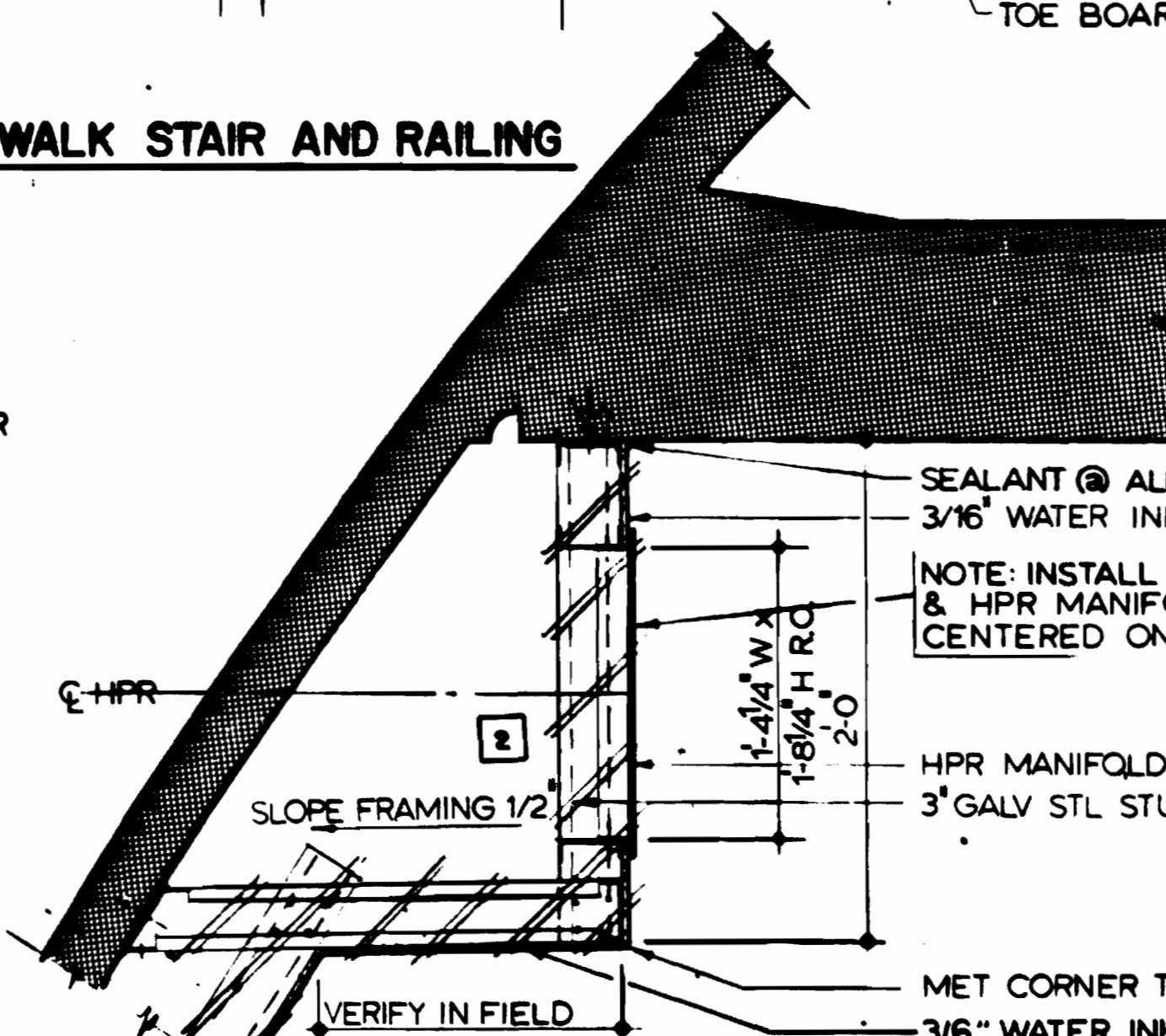
1 1/2" I.D. GALV STL PIPE POST & RAIL



6 PLAN
SCALE 1/2" = 1'-0"

7 SECTION @ FLOOR
SCALE 1/2" = 1'-0"

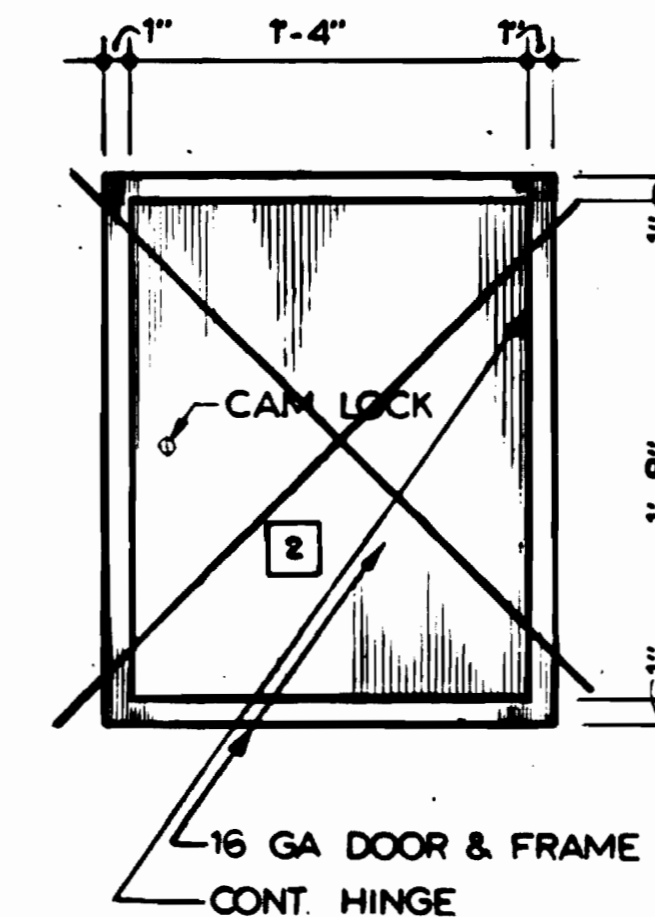
DRAIN AND WATERPROOFING @ ANCILLARY SPACE WALL



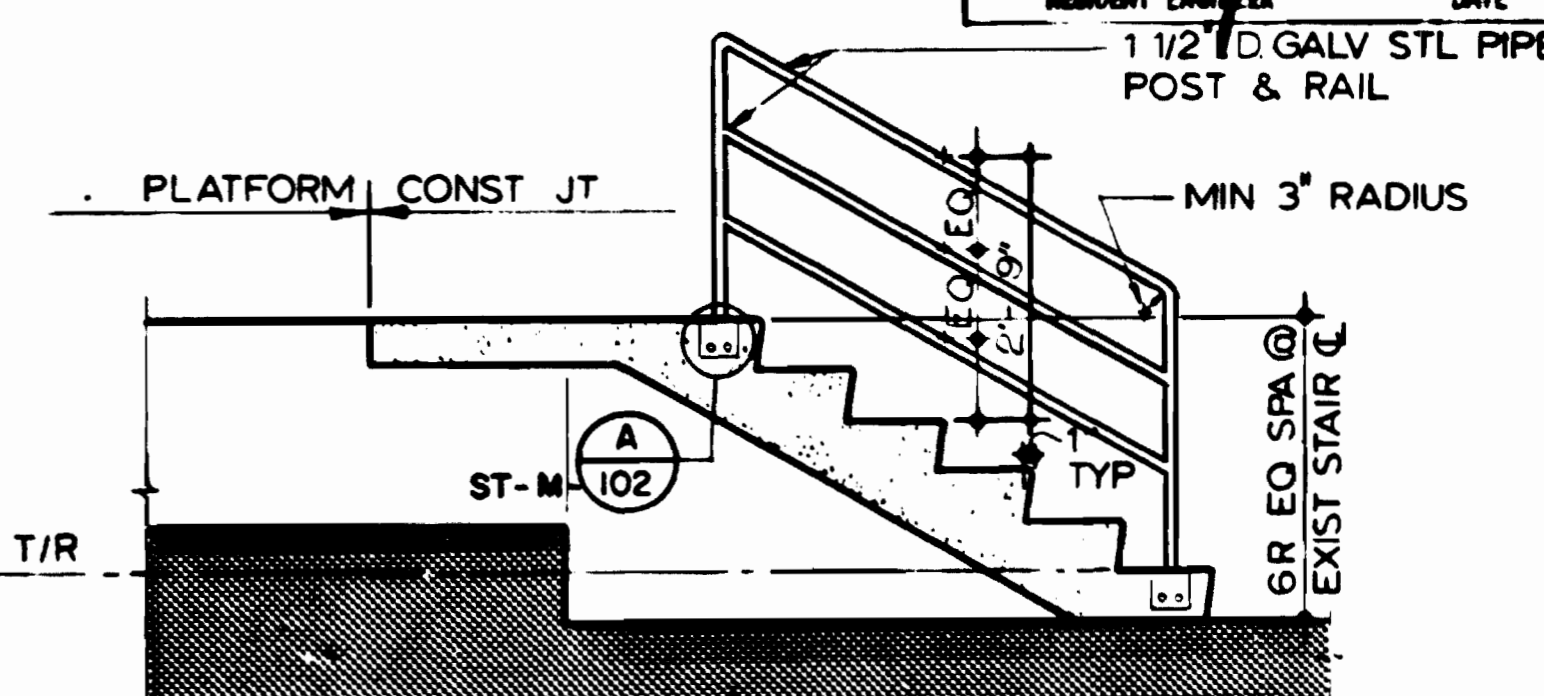
8 SECTION @ CEILING
SCALE 1/2" = 1'-0"

SAFETY WALK STAIR AND RAILING

AS-BUILT NOTE:
DELETE THE REQUIREMENT TO FURNISH AND INSTALL THE WATER INHIBITIVE PANELING WITH ALL ACCESSORIES IN THE ELEVATOR MACHINE, COMMUNICATIONS, MAINTENANCE AND OPERATIONS ROOMS.



11 TYPICAL ACCESS DOOR
SCALE: 1/2" = 1'-0"



10 SAFETY WALK STAIR ELEVATION
SCALE 1/2" = 1'-0"

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
G.E. BERGER	12-1-73	ST-M-102	RAILING GATE FOR CART STORAGE	6-13-83	MD	2 REV PER PGO. 43, AS-BUILT
J.T. MAXWELL	12-18-73					
M. MAHAN	8-18-80					
J.R. KRESS	8-18-80					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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SECTION DESIGNER

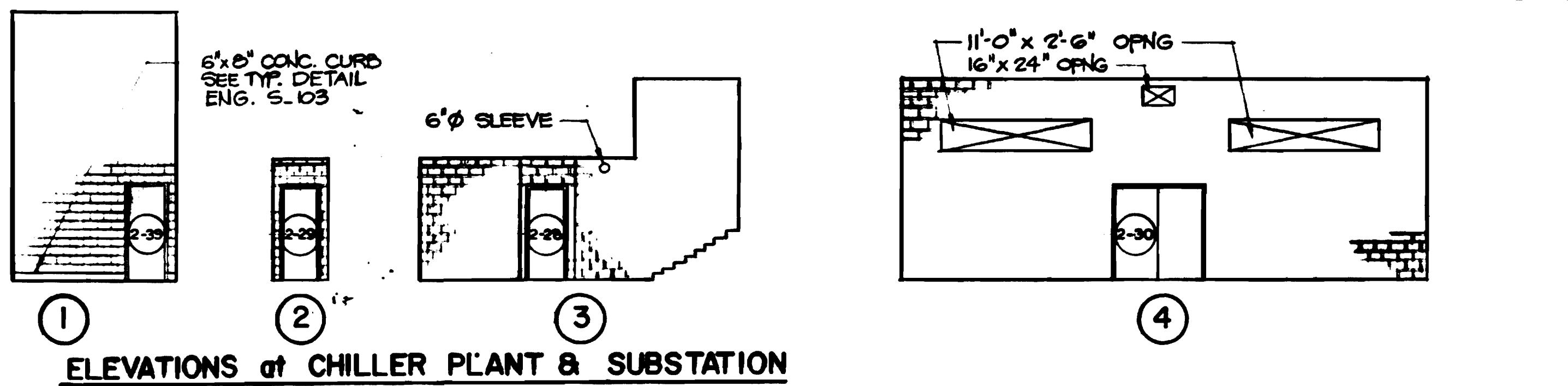
DE LEIJW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

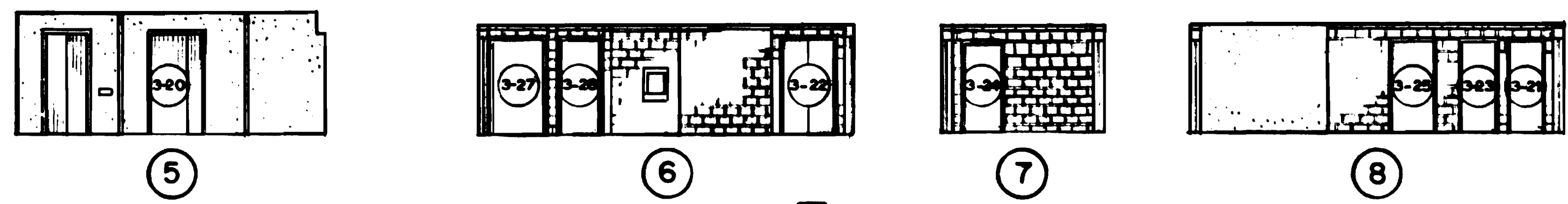
SUBMITTED *Jerry R. Kress* DATE 8-19-80 APPROVED *Paul J. ...*

ROCKVILLE ROUTE
BETHESDA STATION
ANCILLARY DETAILS

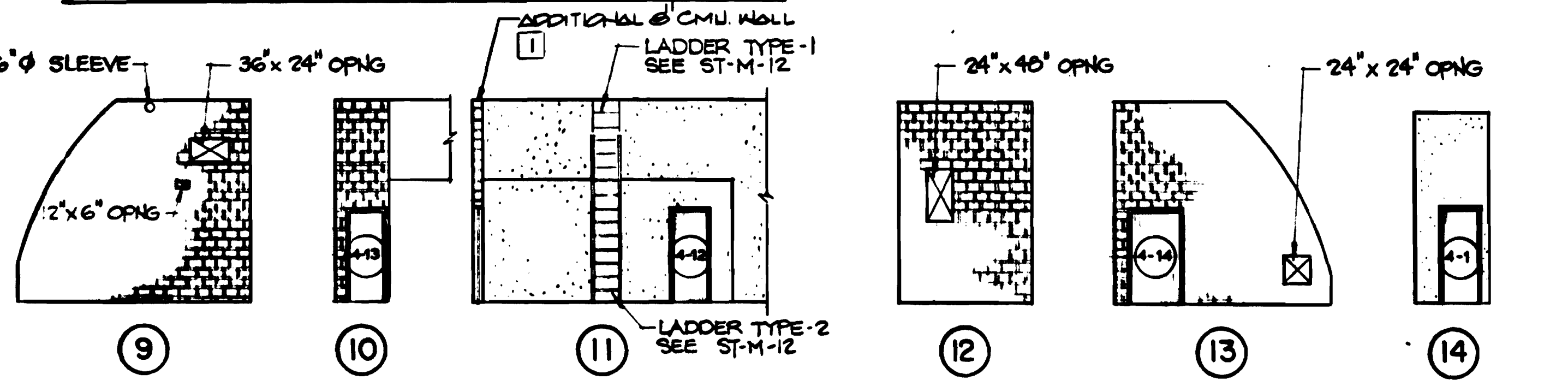
SCALE AS NOTED DRAWING NO. FALL - A - 17 M334-47



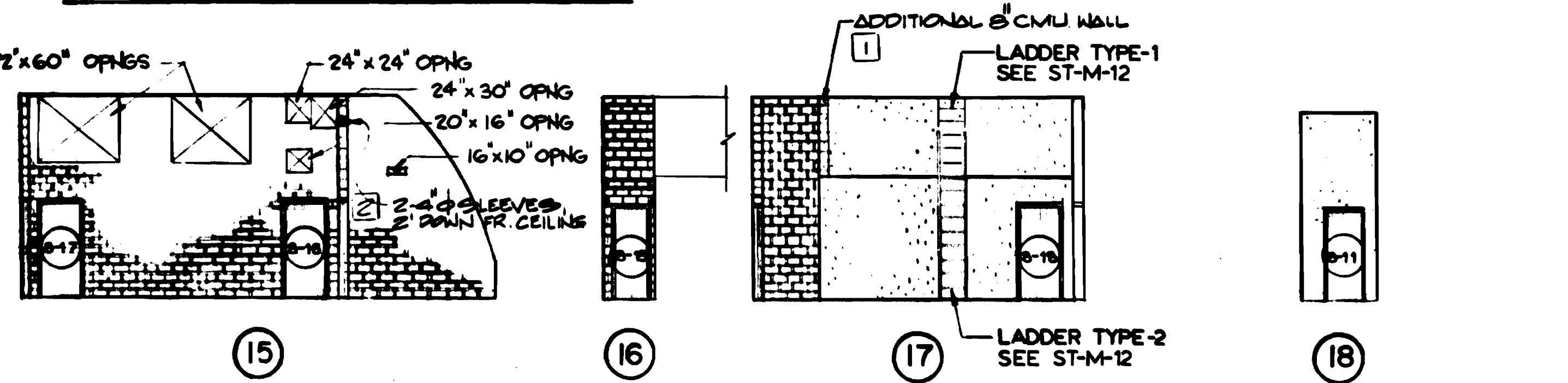
ELEVATIONS of CHILLER PLANT & SUBSTATION



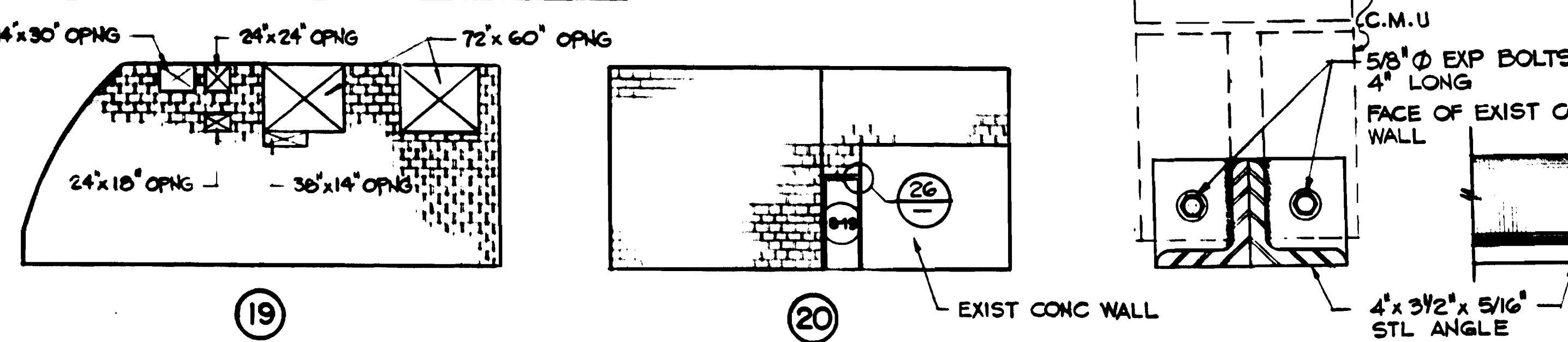
ELEVATIONS of PASSAGEWAY ANCILLIARY RMS.



ELEVATIONS of NORTH SERVICE RMS.

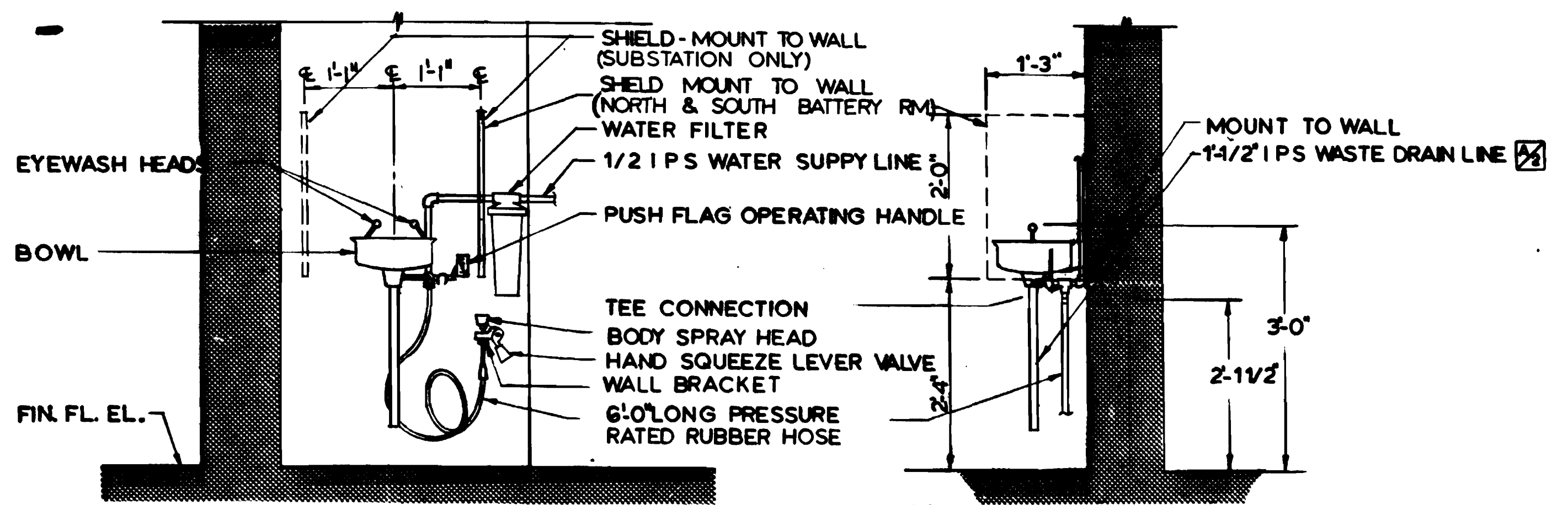


ELEVATIONS of SOUTH SERVICE RMS.



ELEVATIONS of SOUTH SERVICE RMS.

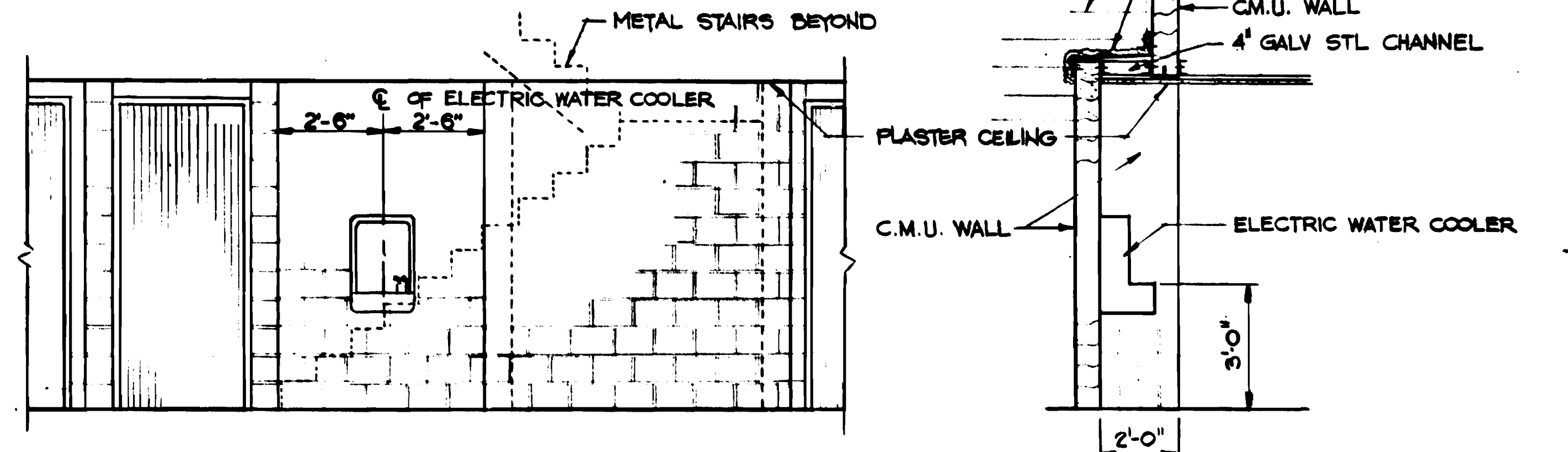
GENERAL NOTE: COORDINATE OPNGS & SIZES W/ MECH. DWGS FOR LINTELS - SEE STRUCT. DWGS.



ELEVATION

SECTION

21 EYEWASH AND BODY SPRAY
SCALE: 3/4\"/>

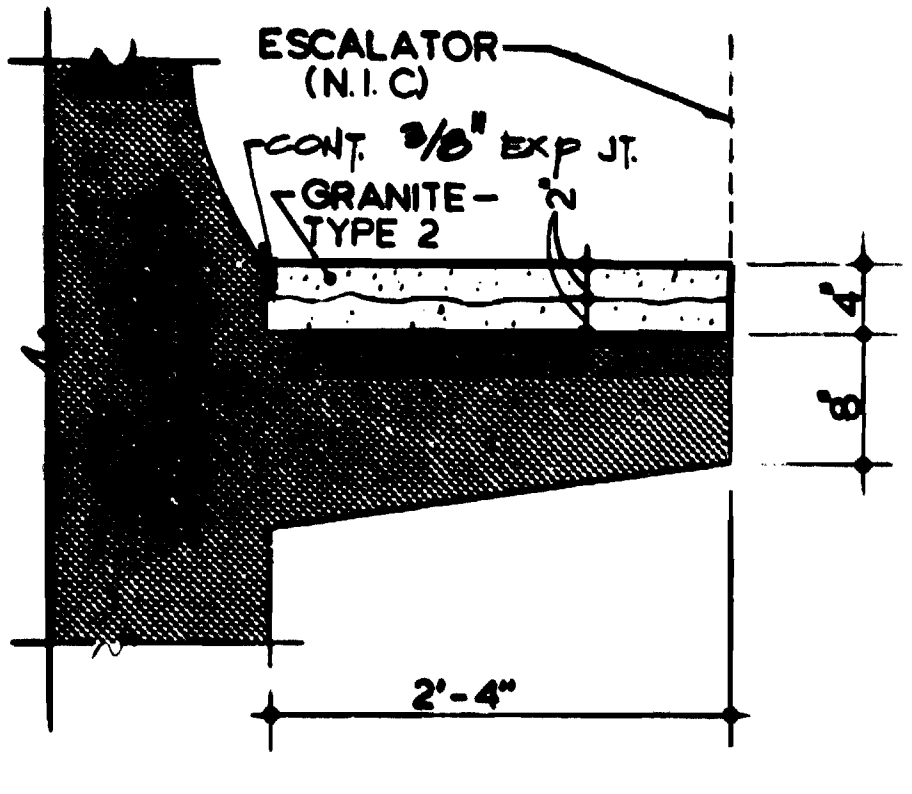


ELEVATION

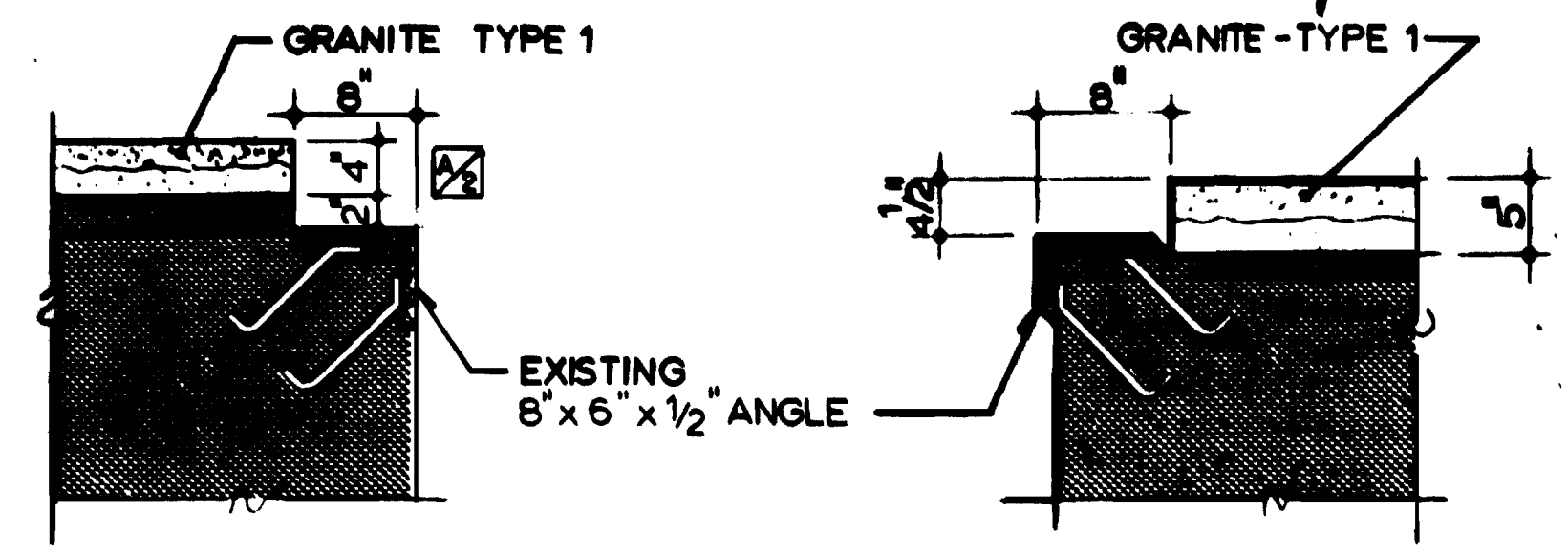
SECTION

22 ELECTRIC WATER COOLER DETAIL
SCALE: 3/8\"/>

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS-BUILT CONDITION
DATE: 8-15-80



23 SECTION of CONC. SHELF
SCALE: 1 1/2\"/>



24 SECTION at BASE of ESCL.
SCALE: 1 1/2\"/>

25 SECTION at TOP of ESCL.
SCALE: 1 1/2\"/>

26 STEEL ANGLE LINTEL DETAIL
SCALE: 3\"/>

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
J.R. KRESS	4-1-79	M-12	CHILLED WATER PLANT	9-25-80	J.K.	GENERAL REVISION
M. FLEMING	4-24-79	M-14	SOUTH ANCL. AREA UPPER LEVEL	6-18-80	MD	1 REV. PER REV. # 10, AS-BUILT
M. MAHAN	8-18-80	M-17	NORTH ANCL. AREA UPPER LEVEL			2 REV. PER FIELD COND., AS-BUILT
J.R. KRESS	8-18-80					



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SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANTS

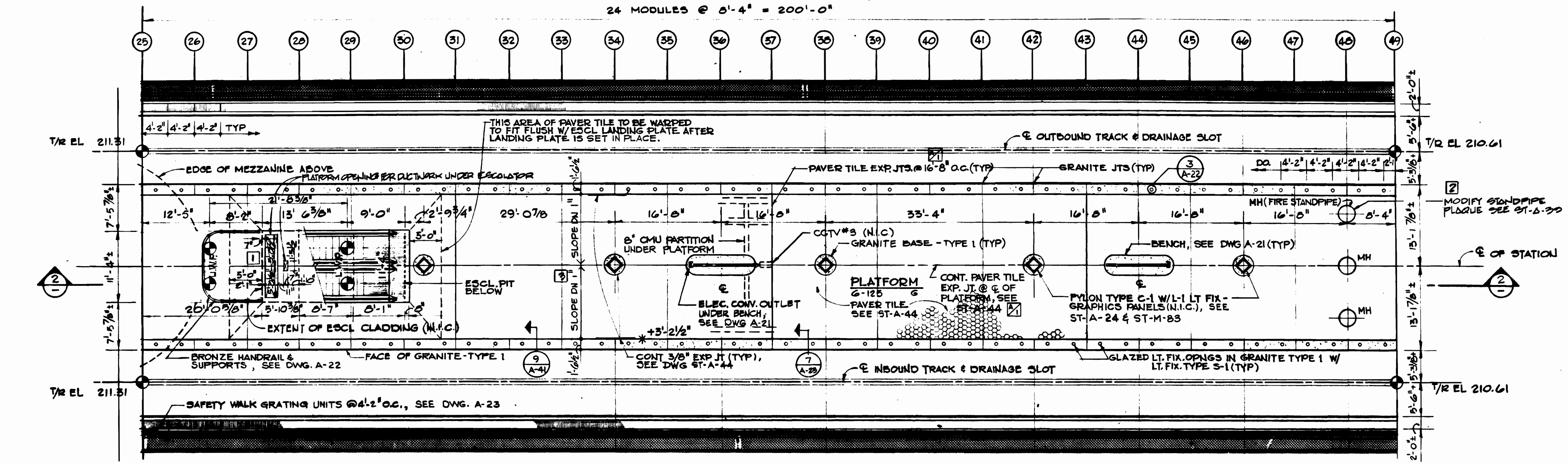
SUBMITTED: *Jerry R. Kress* DATE: 8-15-80 APPROVED: *[Signature]*

ROCKVILLE ROUTE
BETHESDA STATION
ANCILLARY DETAILS

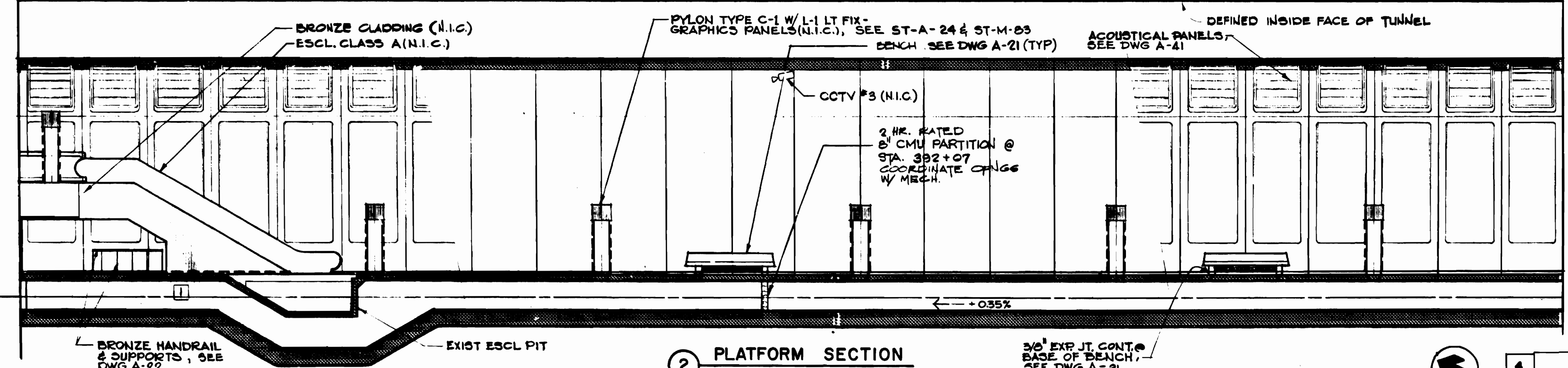
SCALE: AS NOTED

DRAWING NO. **FAI-A-117**

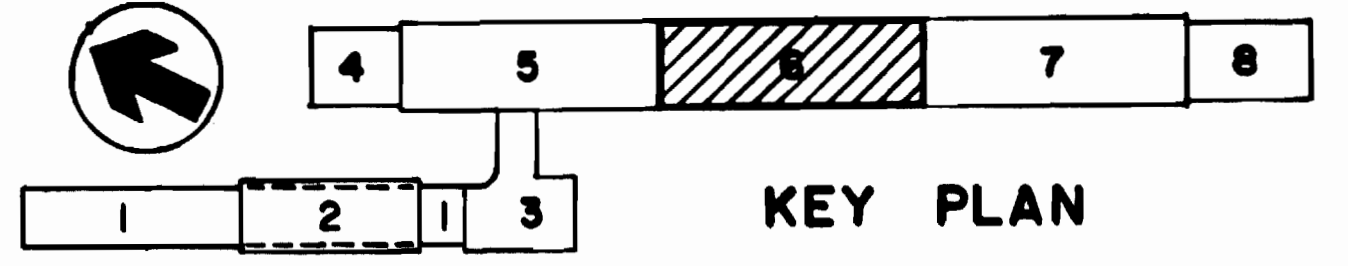
M334-48



1 PLATFORM PLAN

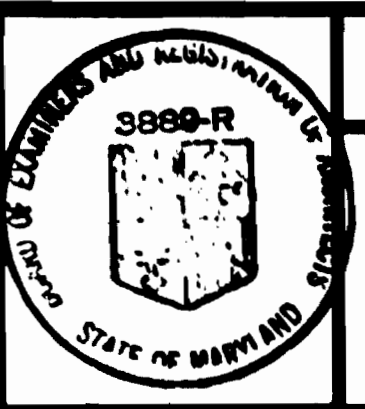


2 PLATFORM SECTION



KEY PLAN

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
J.R. KRESS	1-28-74	M-21	PLATFORM PLAN & SECTION	9-15-80	J.K.	EXP. JT. REVISION
G.E. BERGER	2-9-74	E-19	PLATFORM PLAN - LIGHTING & POWER	5-15-83	MD	1 REV. PER FIELD COND. AS-BUILT
M. MAHAN	8-15-80					2 REV. PER FIELD COND. AS-BUILT
J.R. KRESS	8-15-80					3 REV. PER FIELD COND. AS-BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

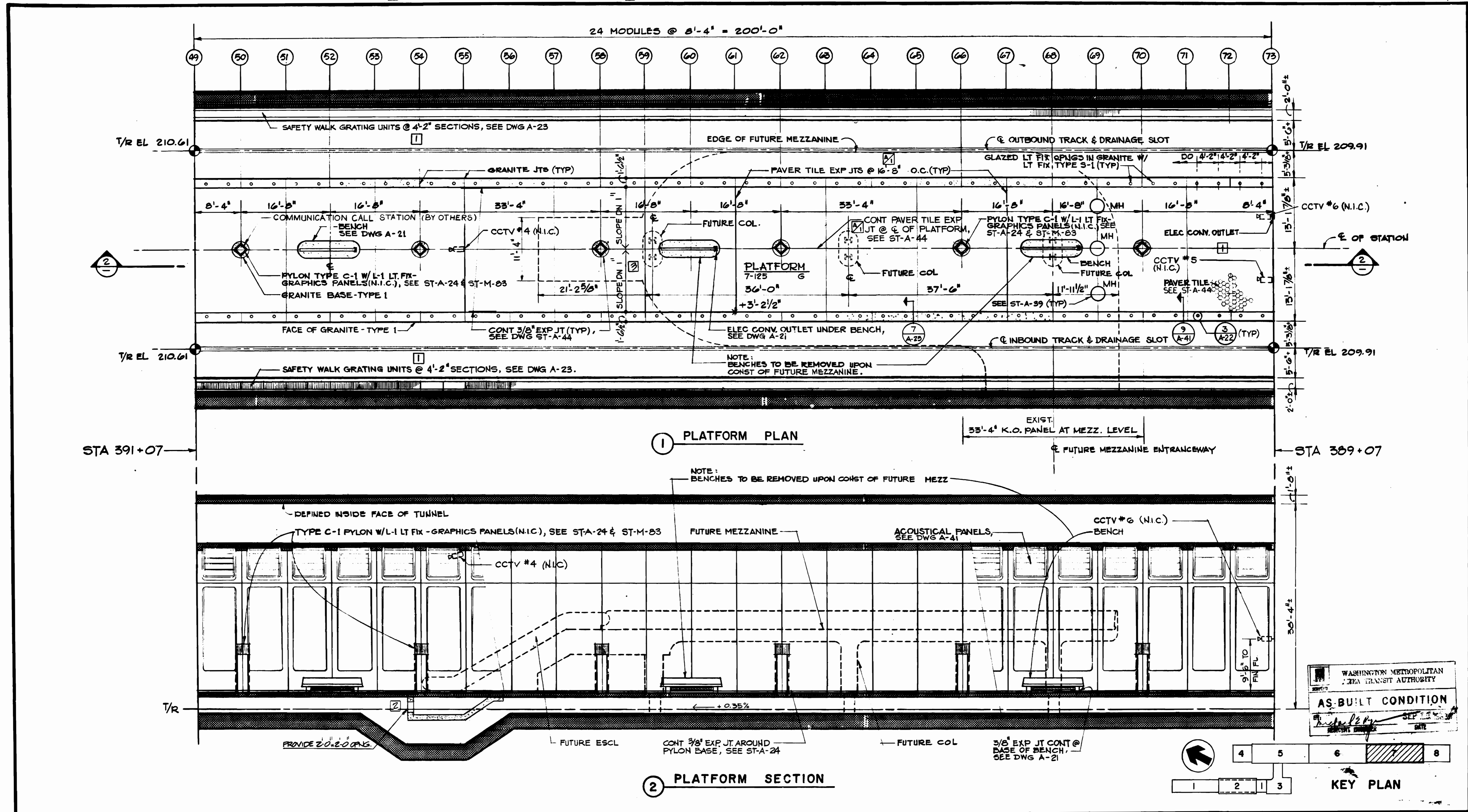
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jerry R. Kress* DATE 8-15-80 APPROVED *[Signature]*

**ROCKVILLE ROUTE
BETHESDA STATION
PLATFORM PLAN AND SECTION**

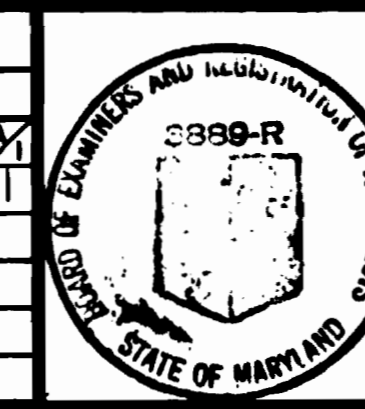
SCALE: 1/8" = 1'-0" 10 2 4 6 8 10

DRAWING NO. **FALL-A-19** M334-50



DESIGNED	J.R. KRESS	1-2-74	DATE
DRAWN	C.E. BERGER	1-18-74	DATE
CHECKED	M. MAHAN	8-18-80	DATE
APPROVED	J.R. KRESS	8-18-80	DATE

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
M-20	PLATFORM PLAN & SECTIONS	9-15-80	J.K.
E-20	PLATFORM PLAN - LIGHTING & POWER		
		6-18-80	MD
			2
			3



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HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jarvis R. Kress* DATE 8-15-80
 APPROVED *[Signature]*

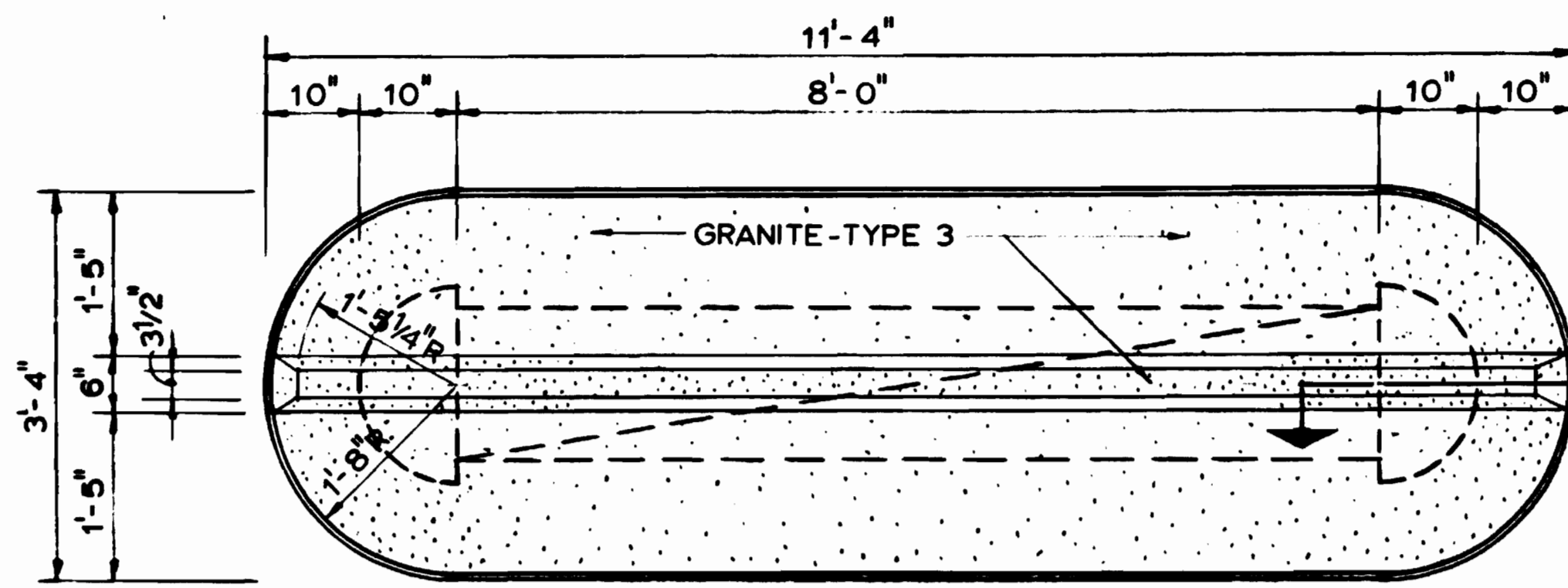
**ROCKVILLE ROUTE
BETHESDA STATION
PLATFORM PLAN AND SECTION**

SCALE 1/8" = 1'-0" 1 0 2 4 6 8 10
 DRAWING NO. **FA11-A-20** M334-51

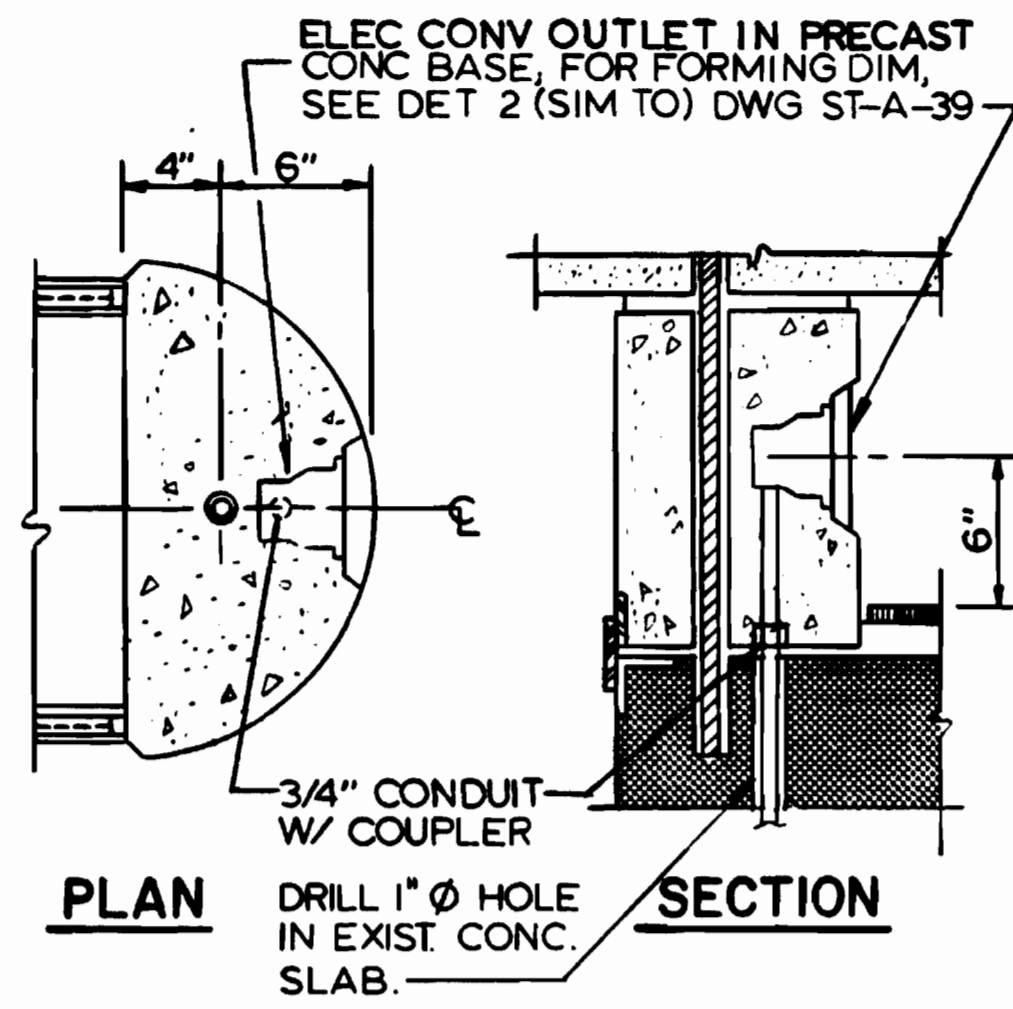
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

AS-BUILT CONDITION

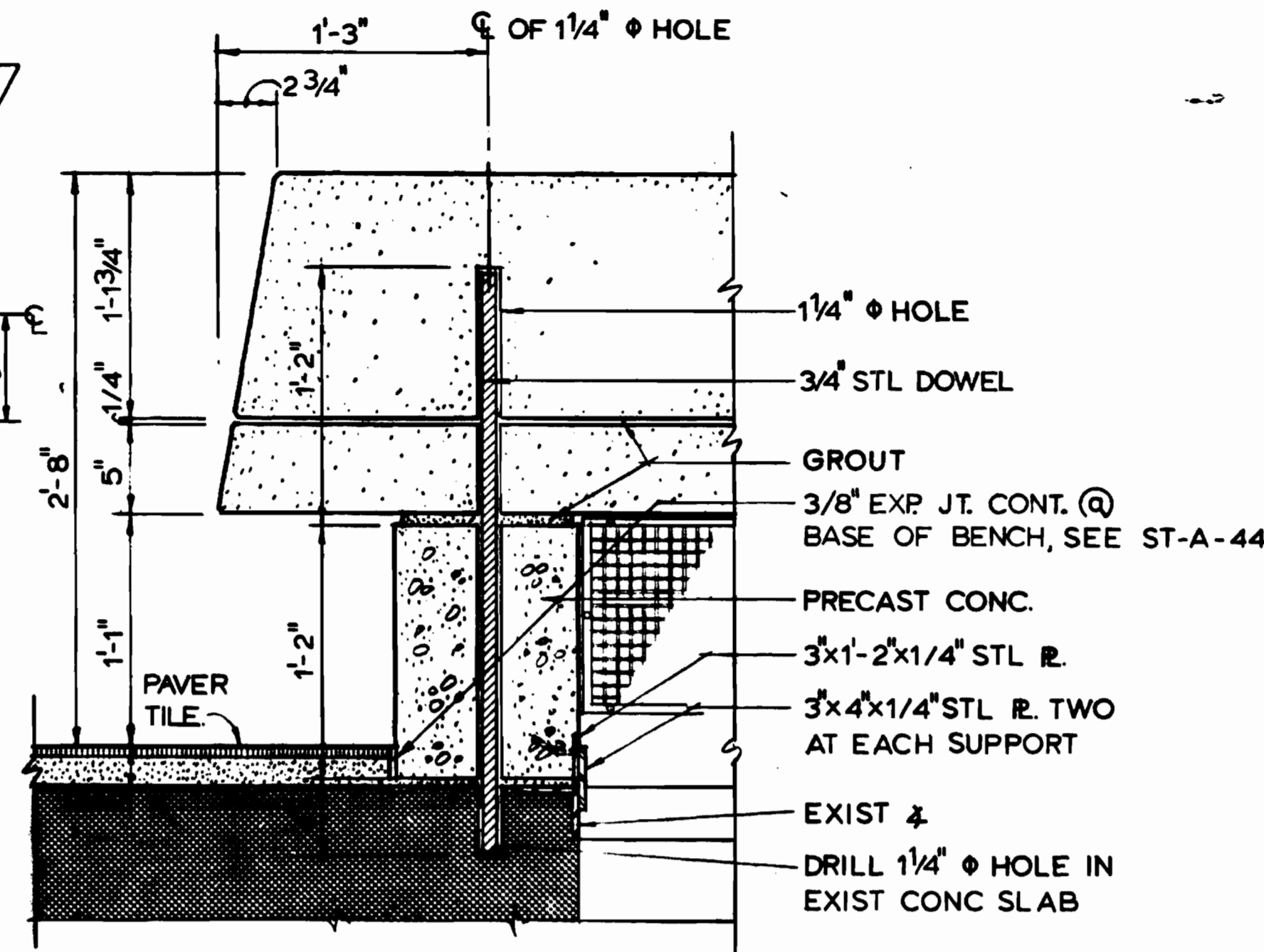
[Signature] SEP 15 1980



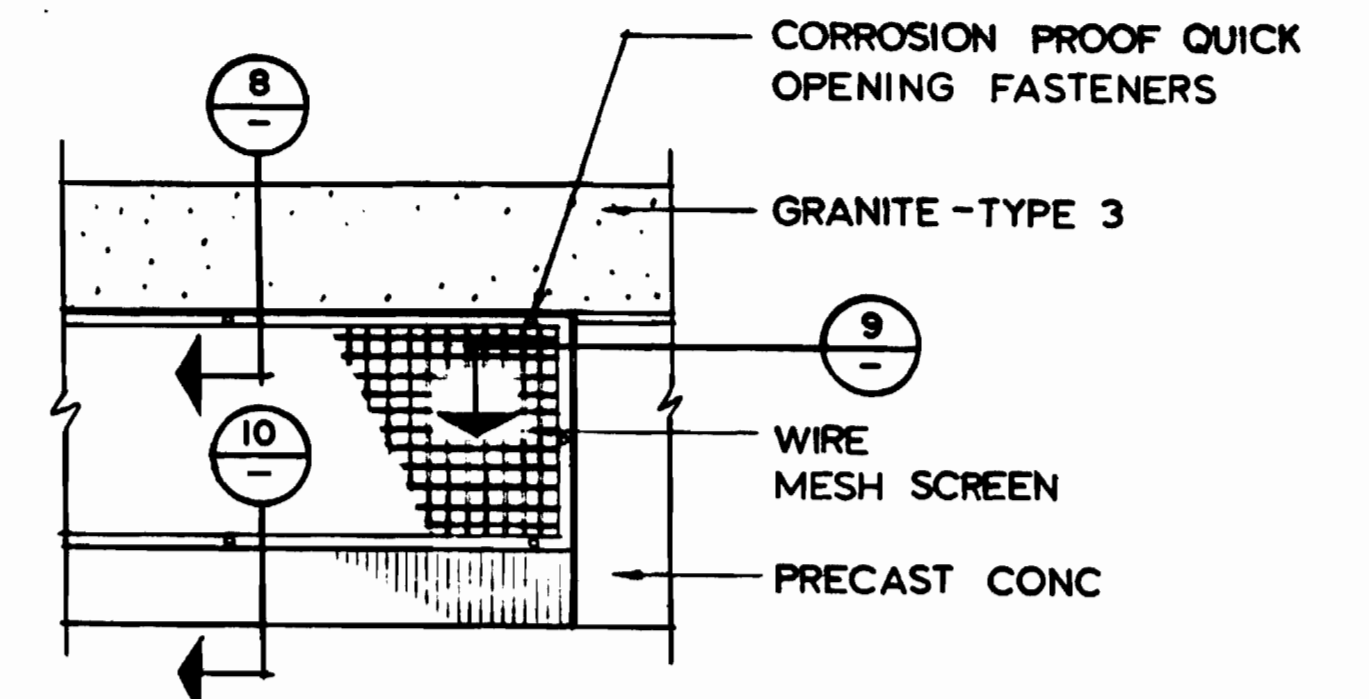
1 PLAN @ BENCH TOP
SCALE 3/4" = 1'-0"



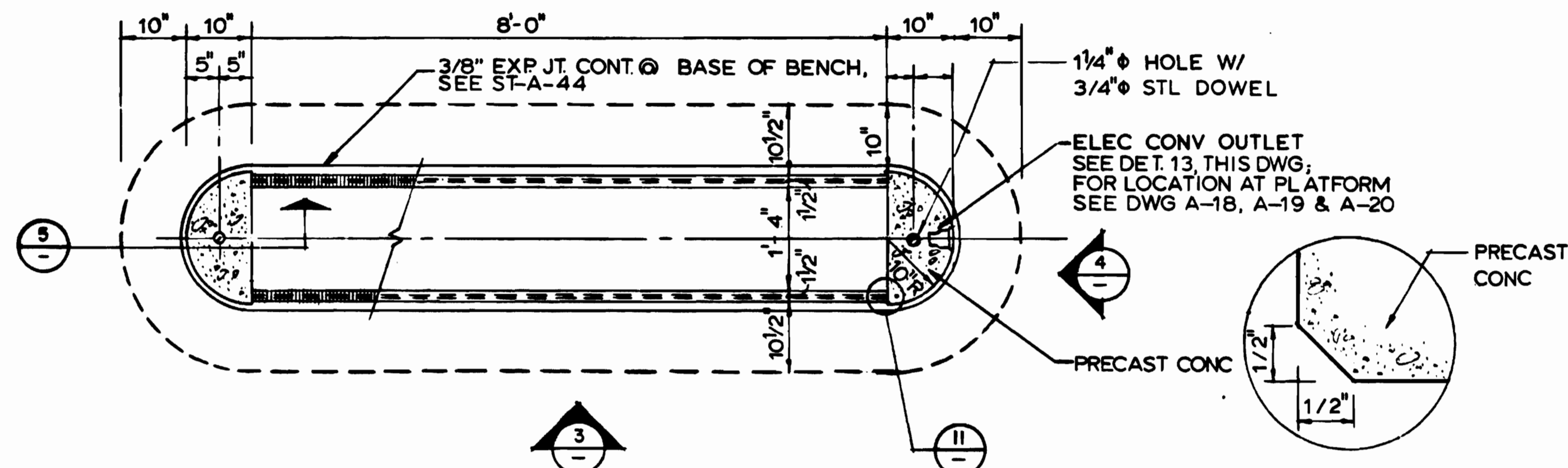
13 ELEC CONV OUTLET DETAIL
SCALE 1 1/2" = 1'-0"



5 SECTION
SCALE 1/2" = 1'-0"

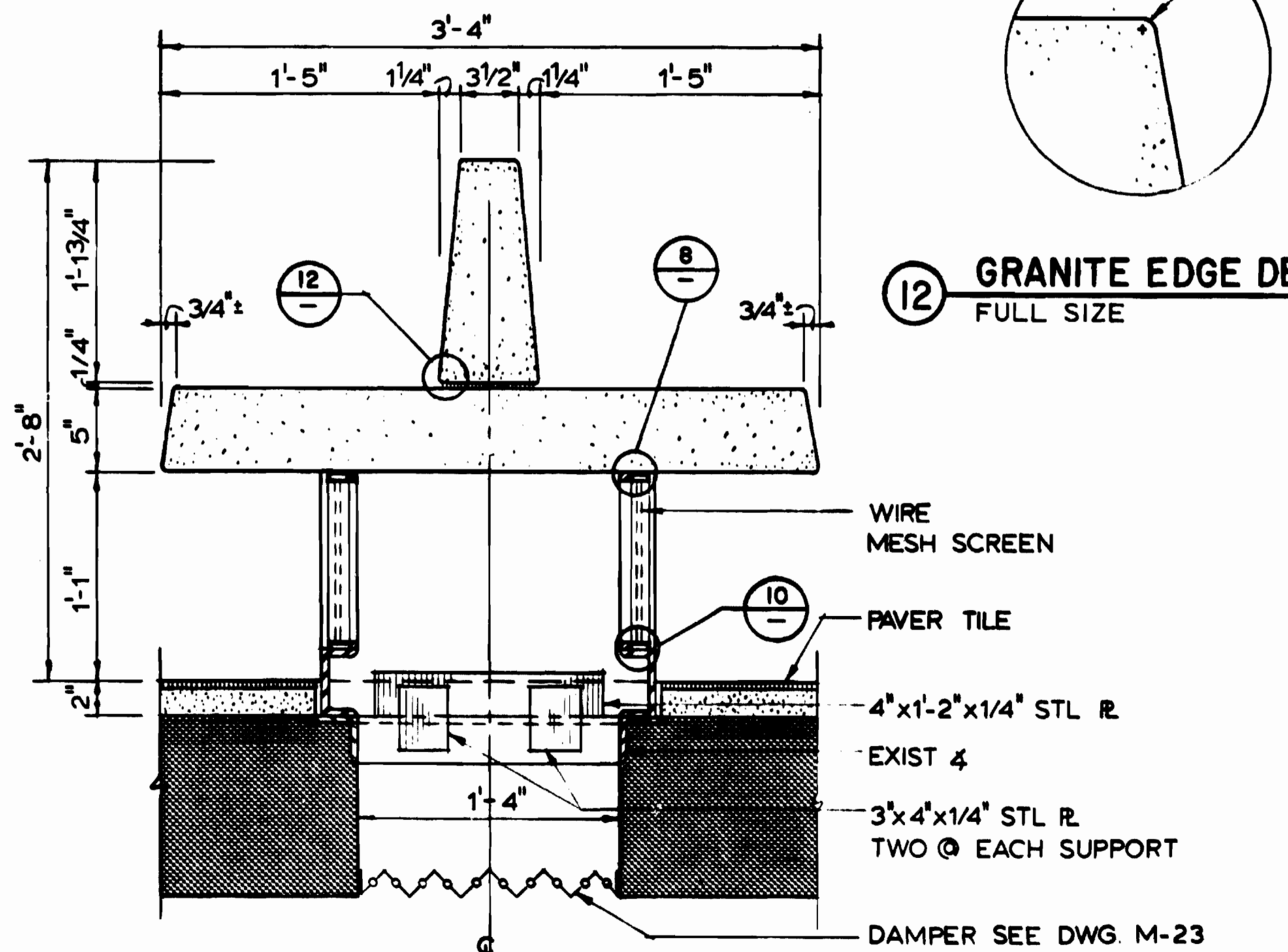


7 SCREEN DETAIL
SCALE 1/2" = 1'-0"

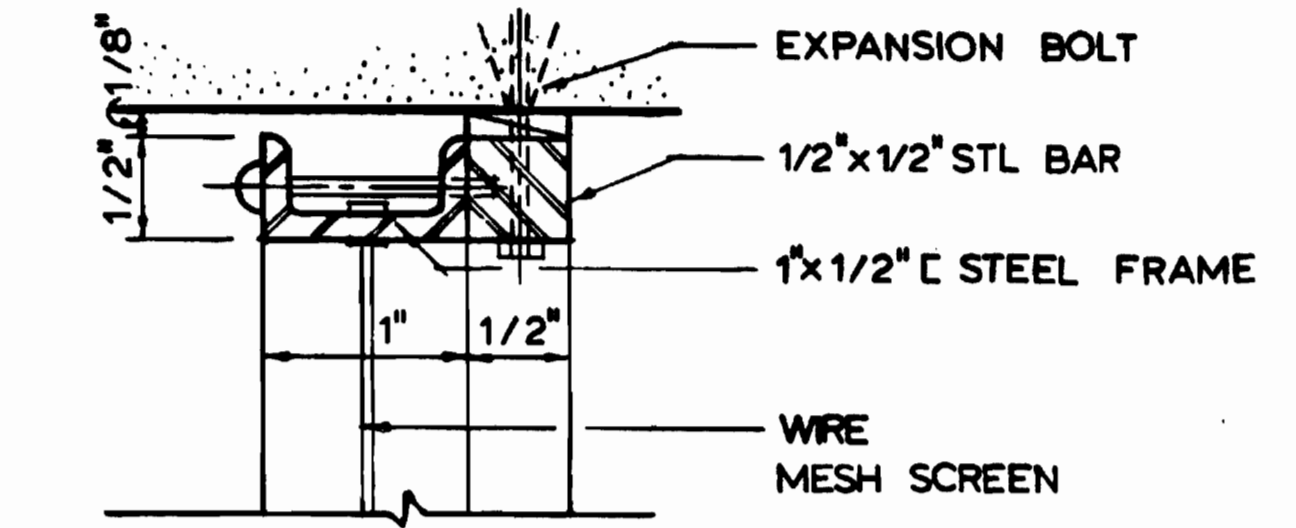


2 PLAN @ BASE
SCALE 3/4" = 1'-0"

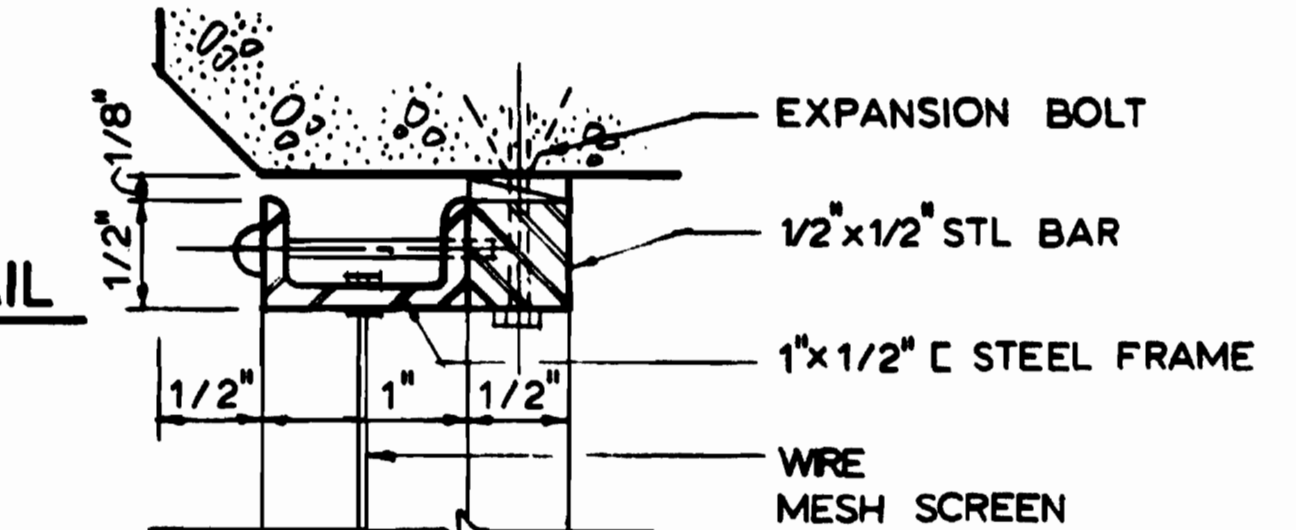
11 CHAMFER DETAIL
FULL SIZE



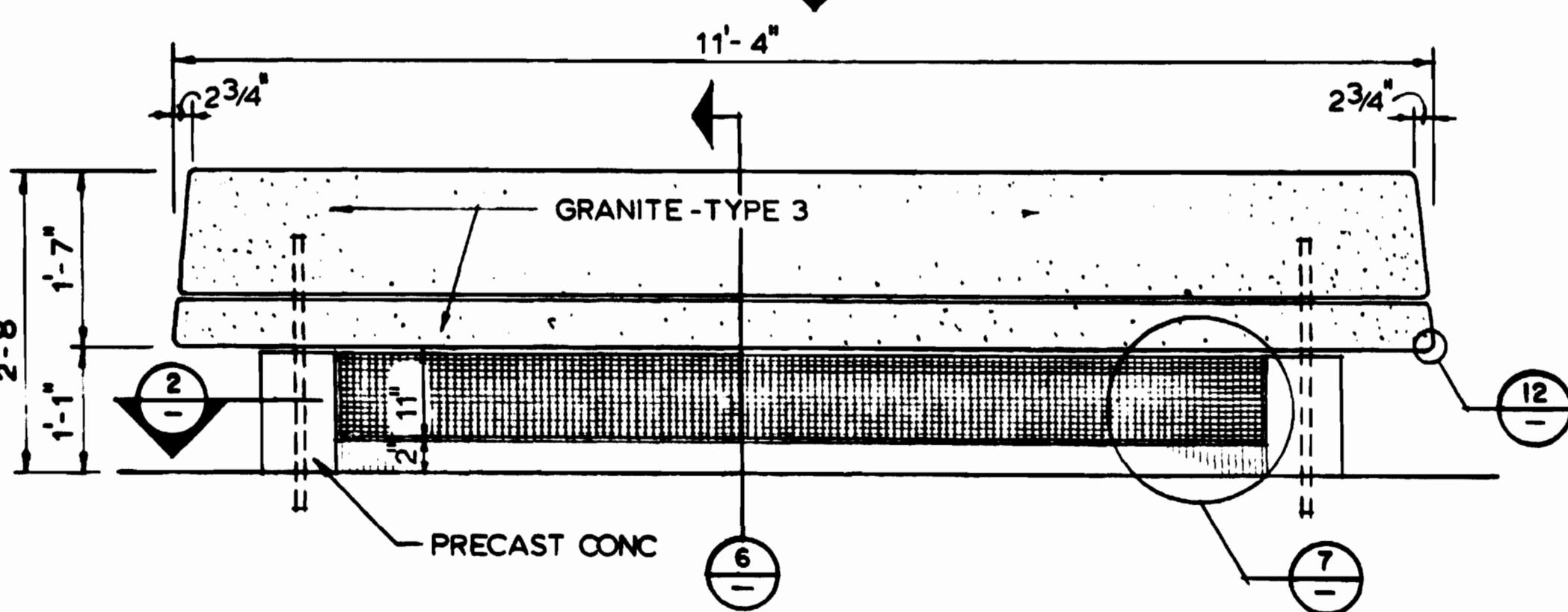
6 SECTION
SCALE 1/2" = 1'-0"



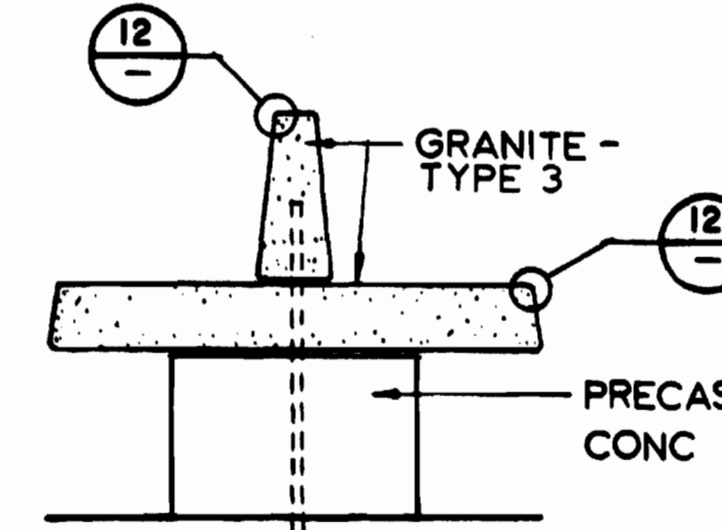
8 HEAD
FULL SIZE



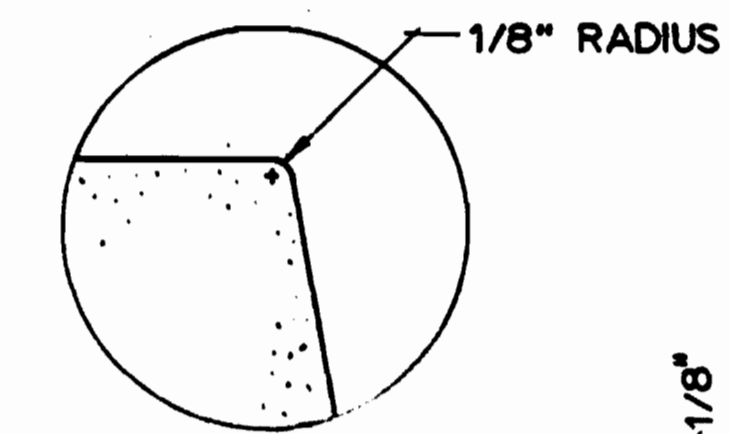
9 JAMB
FULL SIZE



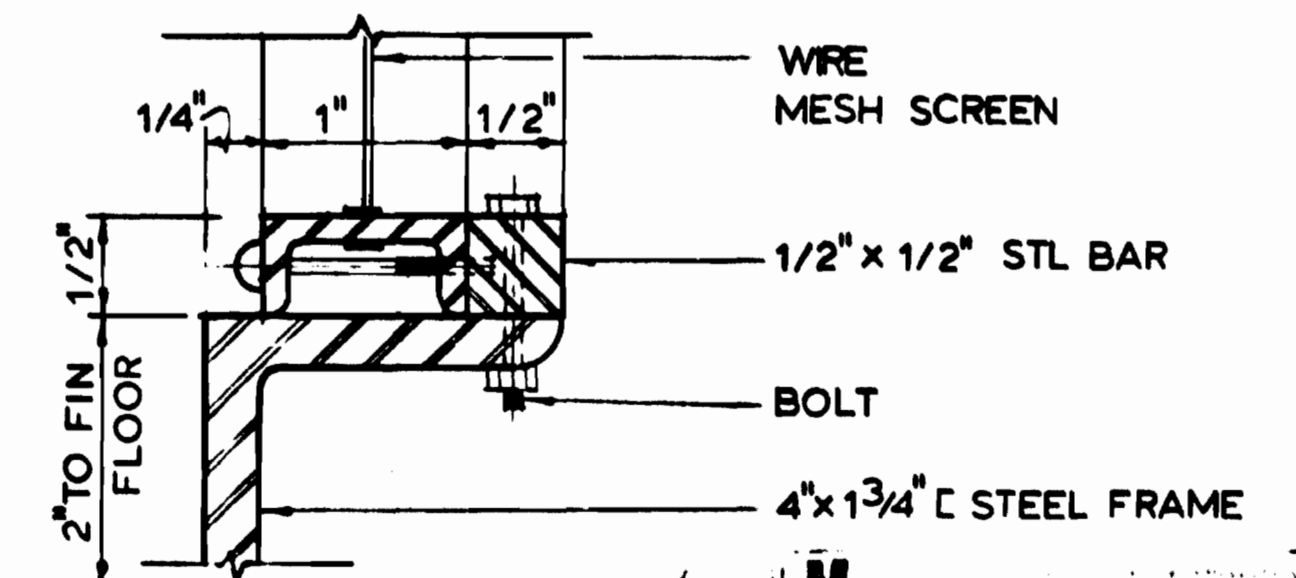
3 FRONT ELEVATION
SCALE 3/4" = 1'-0"



4 SIDE ELEVATION
SCALE 3/4" = 1'-0"

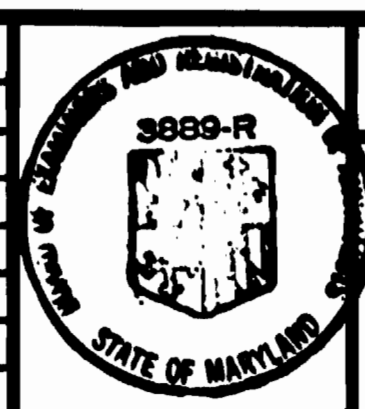


12 GRANITE EDGE DETAIL
FULL SIZE



10 SILL
FULL SIZE

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
J.R. KRESS	5-17-74	M-23	MEZZANINE - PLAN & SECTION		
J.T. MAXWELL	6-7-75				
M. MAHAN	6-16-80				
J.R. KRESS	6-16-80				



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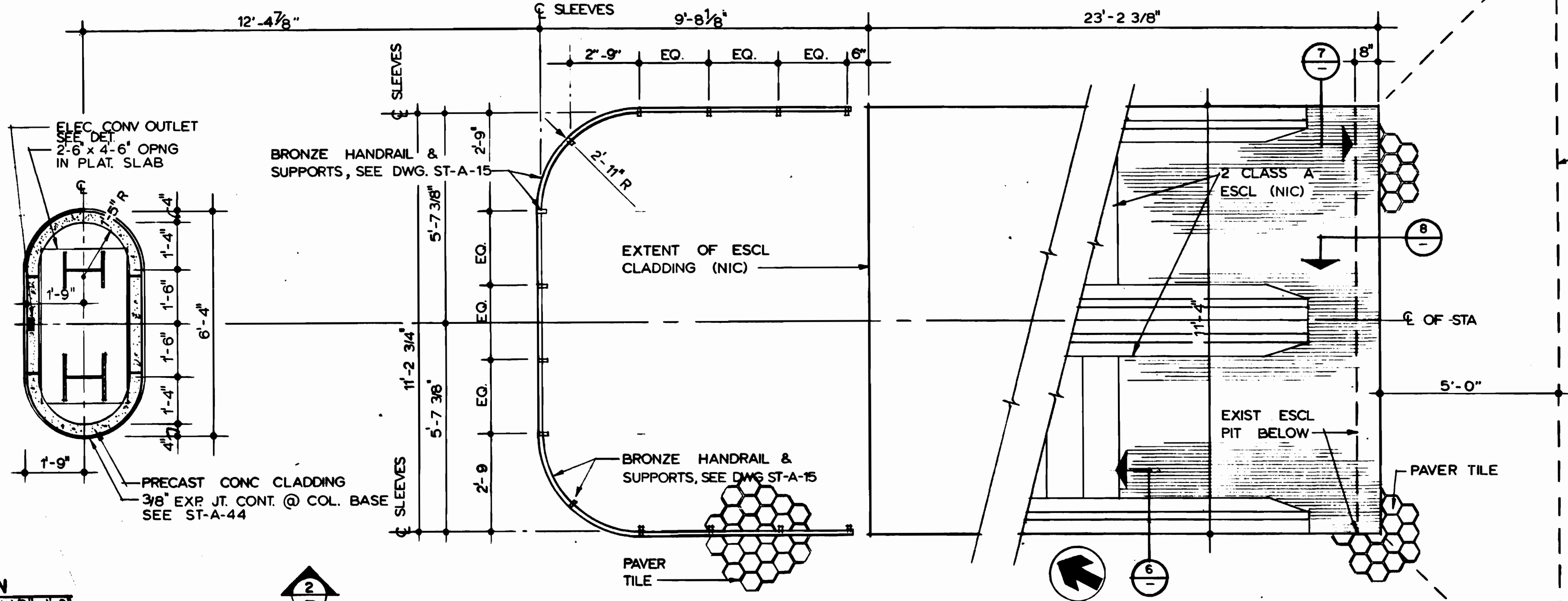
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Janice R. Jress* DATE 8-15-80 APPROVED *Paul J. ...*

**ROCKVILLE ROUTE
BETHESDA STATION
PLATFORM DETAILS-GRANITE BENCH**

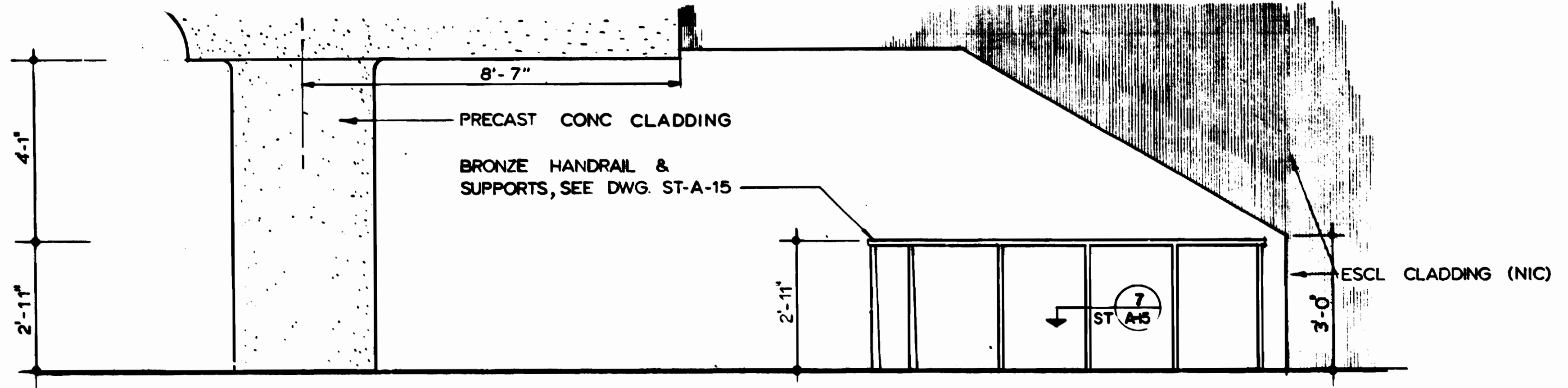
SCALE AS NOTED DRAWING NO. FALL - A-21 M334-52

AS-BUILT CONDITION

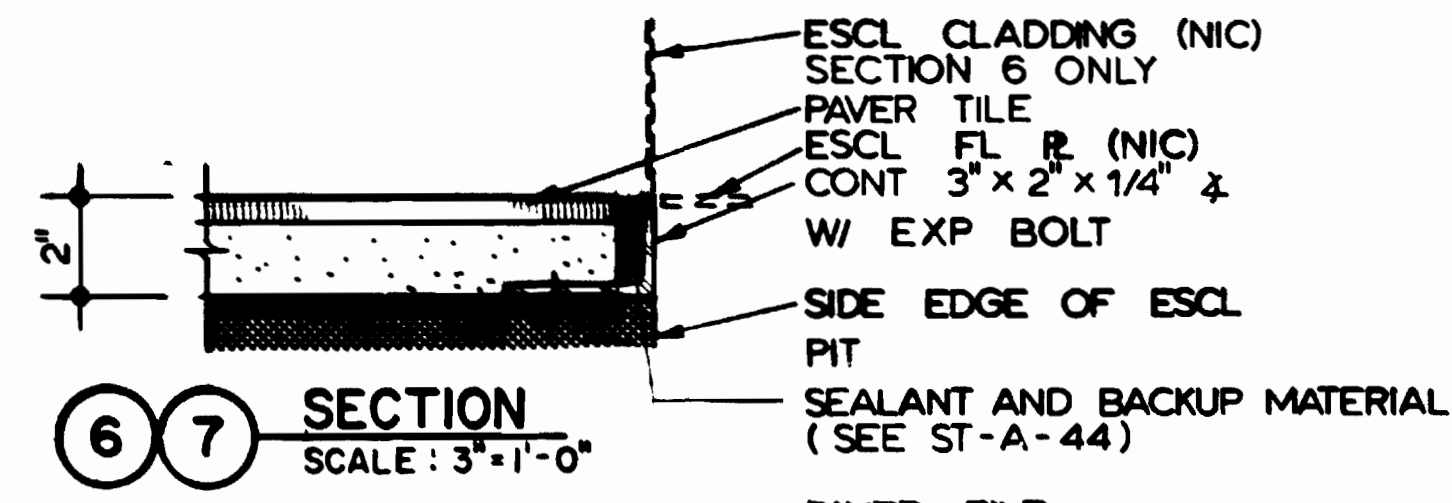


THIS AREA OF PAVER TILE TO BE WARPED TO FIT FLUSH W/ESCL. LANDING PLATE AFTER LANDING PLATE IS IN PLACE.

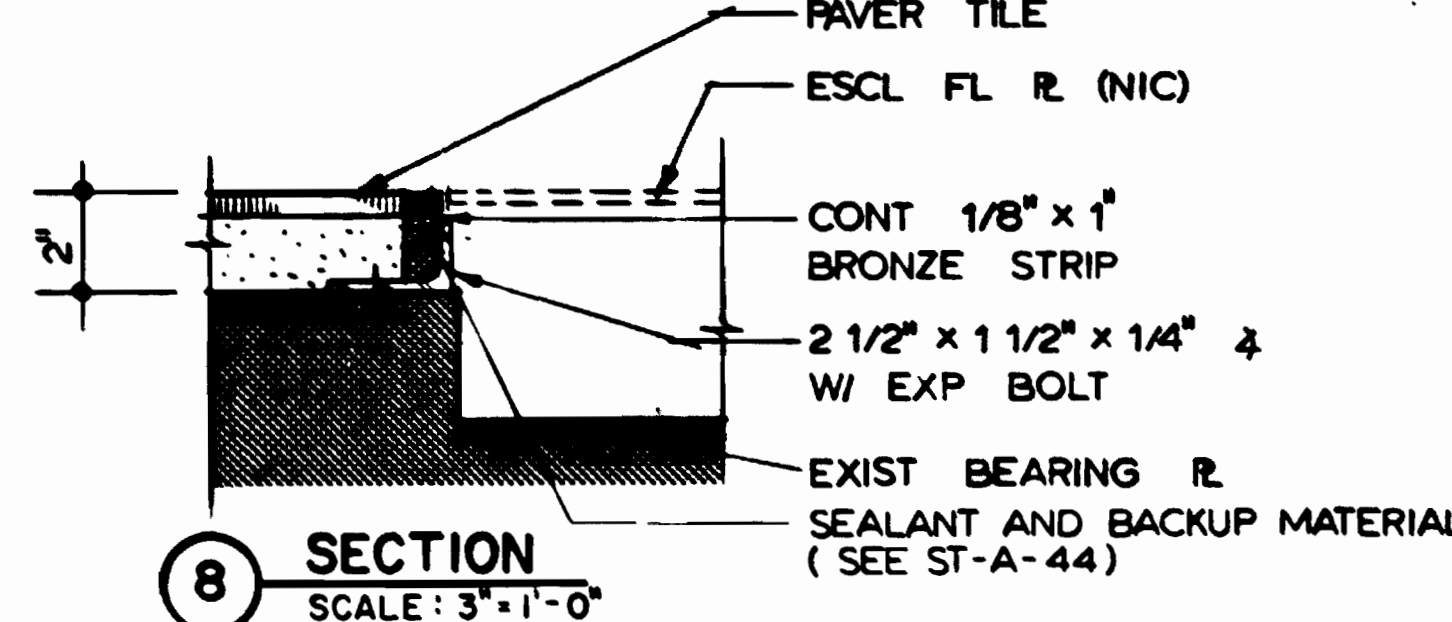
1 PLAN SCALE: 1/2" = 1'-0"



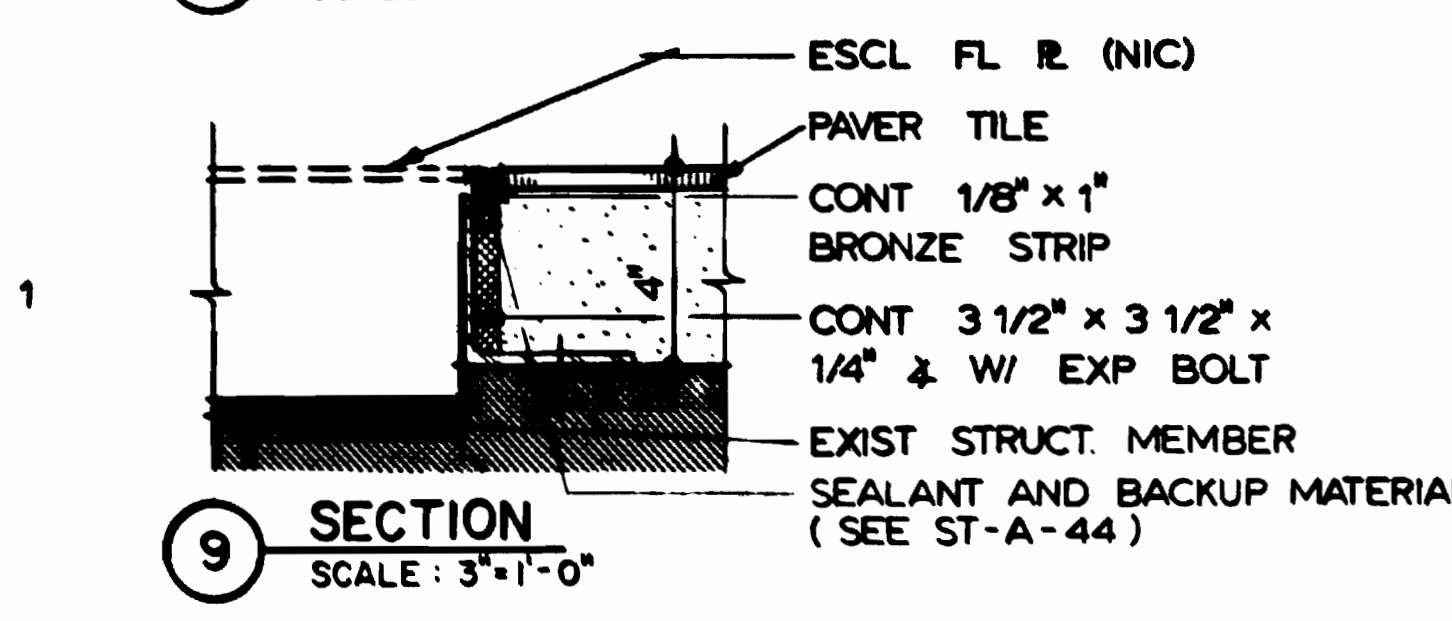
2 ELEVATION SCALE: 1/2" = 1'-0"



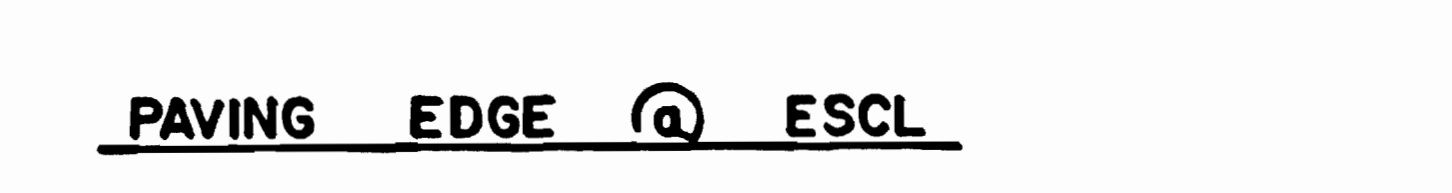
6 SECTION SCALE: 3" = 1'-0"



7 SECTION SCALE: 3" = 1'-0"

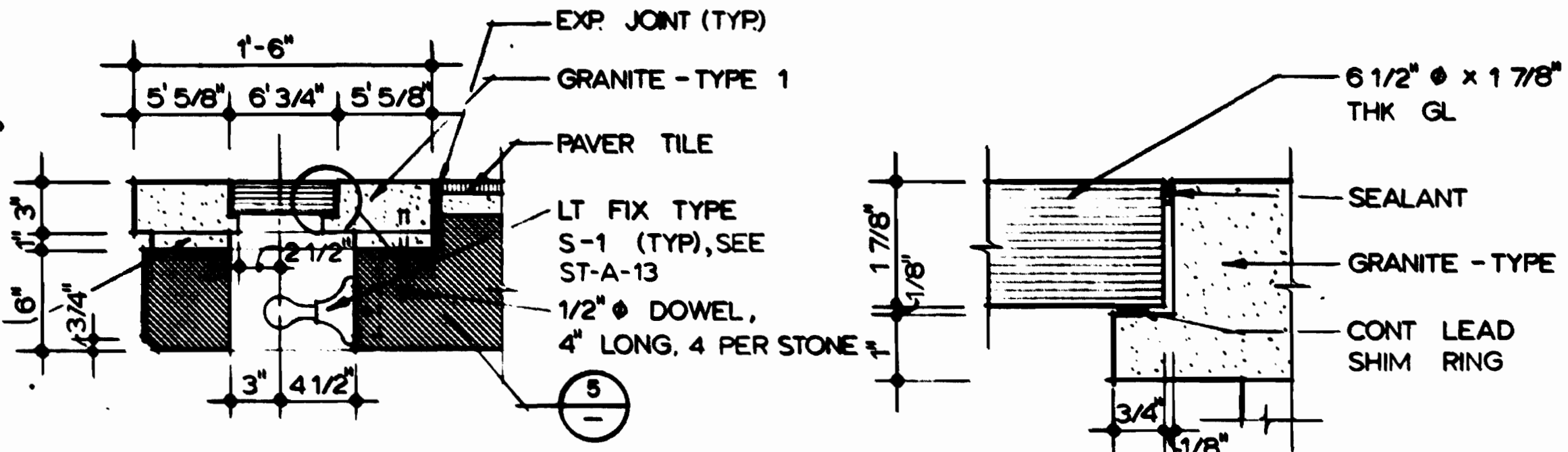


8 SECTION SCALE: 3" = 1'-0"

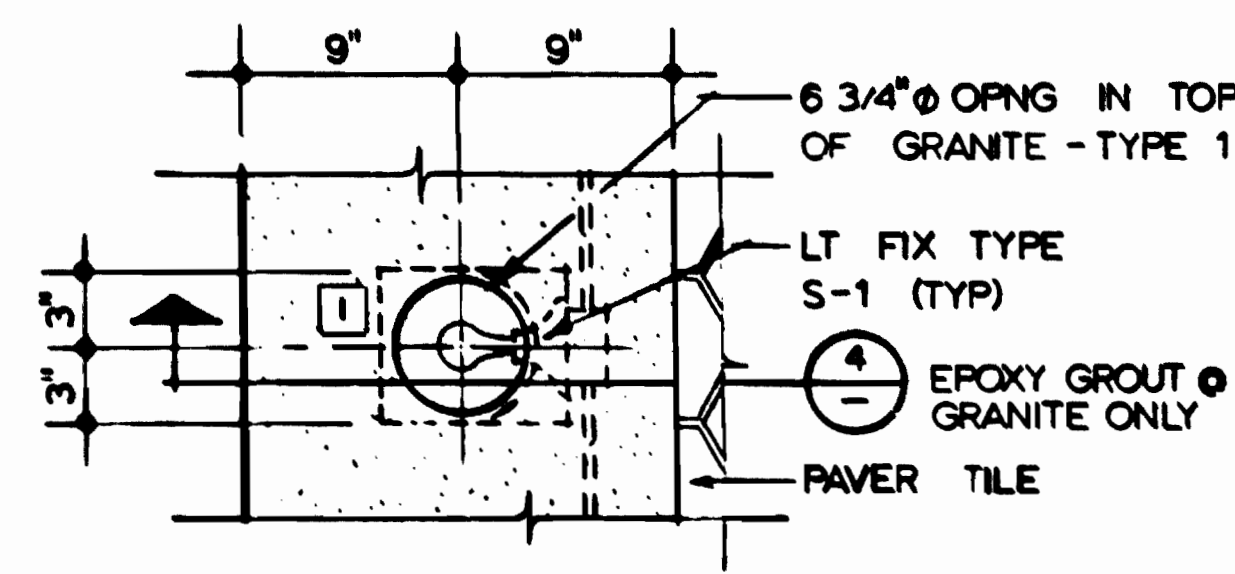


9 SECTION SCALE: 3" = 1'-0"

HANDRAIL UNDER ESCL



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



3 DETAIL PLAN SCALE: 1 1/2" = 1'-0"

5 DETAIL HALF FULL SIZE

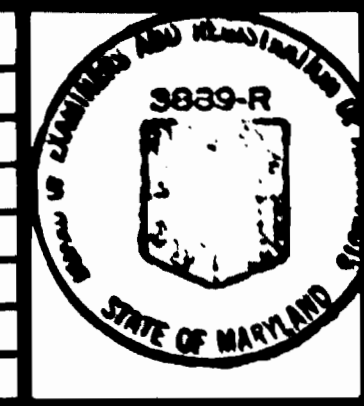
PAVING EDGE @ ESCL

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS-BUILT CONDITION
SEP 19 1980

DESIGNED	C.E. BERGER	8-15-74	DATE
DRAWN	J.T. MAXWELL	2-4-75	DATE
CHECKED	M. MAHAN	8-18-80	DATE
APPROVED	J.R. KRESS	8-18-80	DATE

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
S-101	PRECAST CONC CLADDING DETAILS	6-18-80	MD

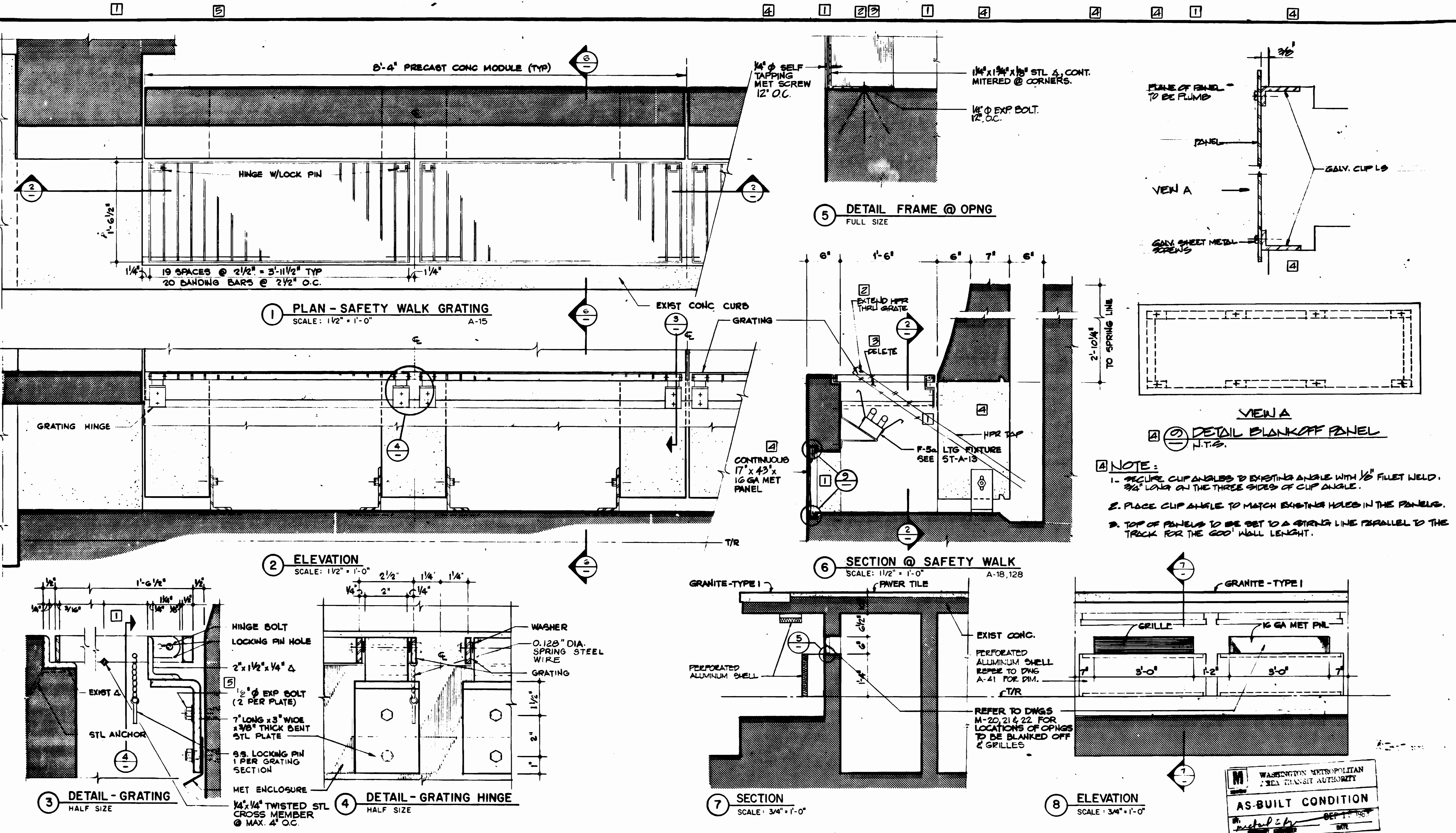
REVISIONS	
DATE	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
MATHews • CHATELAIN • BEALL
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SECTION DESIGNER
SUBMITTED *J.R. Kress* DATE 8-15-80

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT
APPROVED *[Signature]*

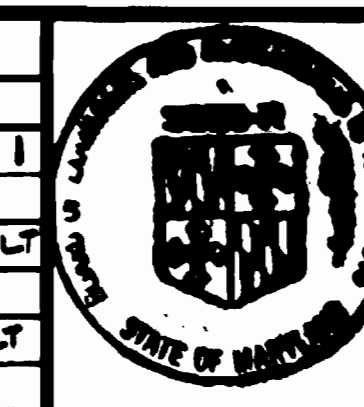
ROCKVILLE ROUTE BETHESDA STATION PLATFORM DETAILS
SCALE AS NOTED
DRAWING NO. FALL -A-22
M334-53



DESIGNED	C. BERGER	6-11-76
DRAWN	U. WING	6-18-76
CHECKED	M. B. MAHAN	8-18-80
APPROVED	J. R. KRESS	8-18-80

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
1	SAFETY WALK - GRATING DETAILS

REVISIONS		
DATE	BY	DESCRIPTION
6-15-80	MD	2. REV. PER RED #1, AS-BUILT
		3. REV. PER RED #1 REV. 1, AS-BUILT
		4. REV. PER RED #7A, AS-BUILT
		5. REV. PER FIELD COND., AS-BUILT



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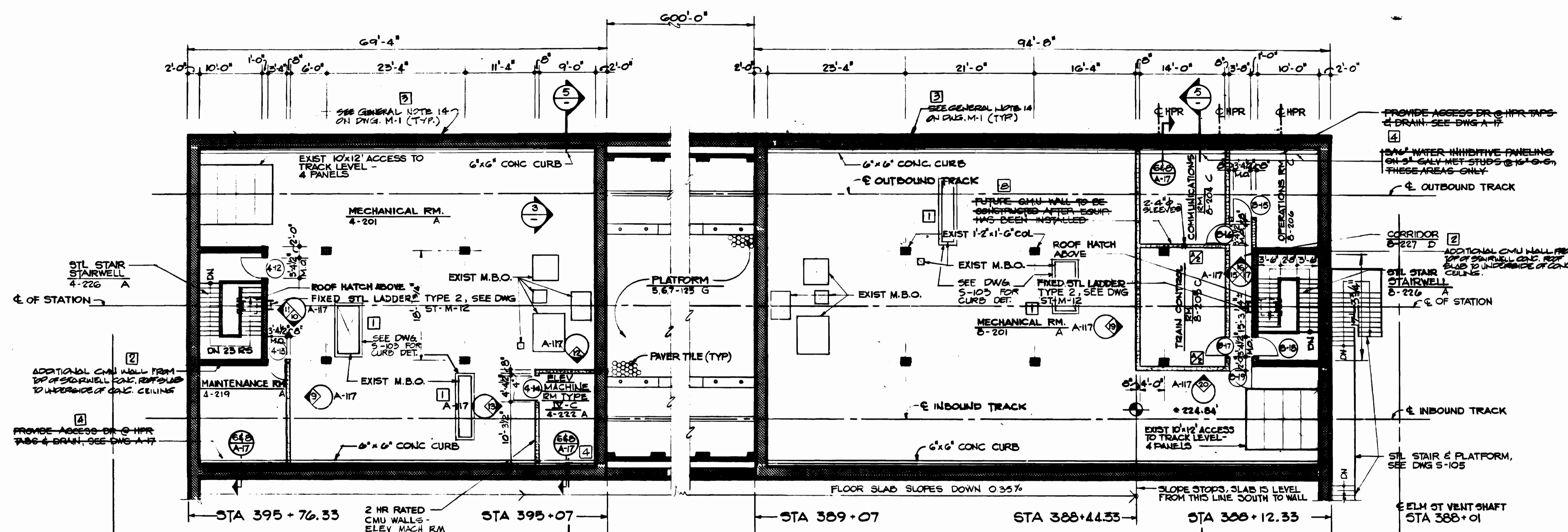
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *J.R. Kress* DATE 8-15-80 APPROVED *[Signature]*

**ROCKVILLE ROUTE
BETHESDA STATION
PLATFORM DETAILS - SAFETY WALK**

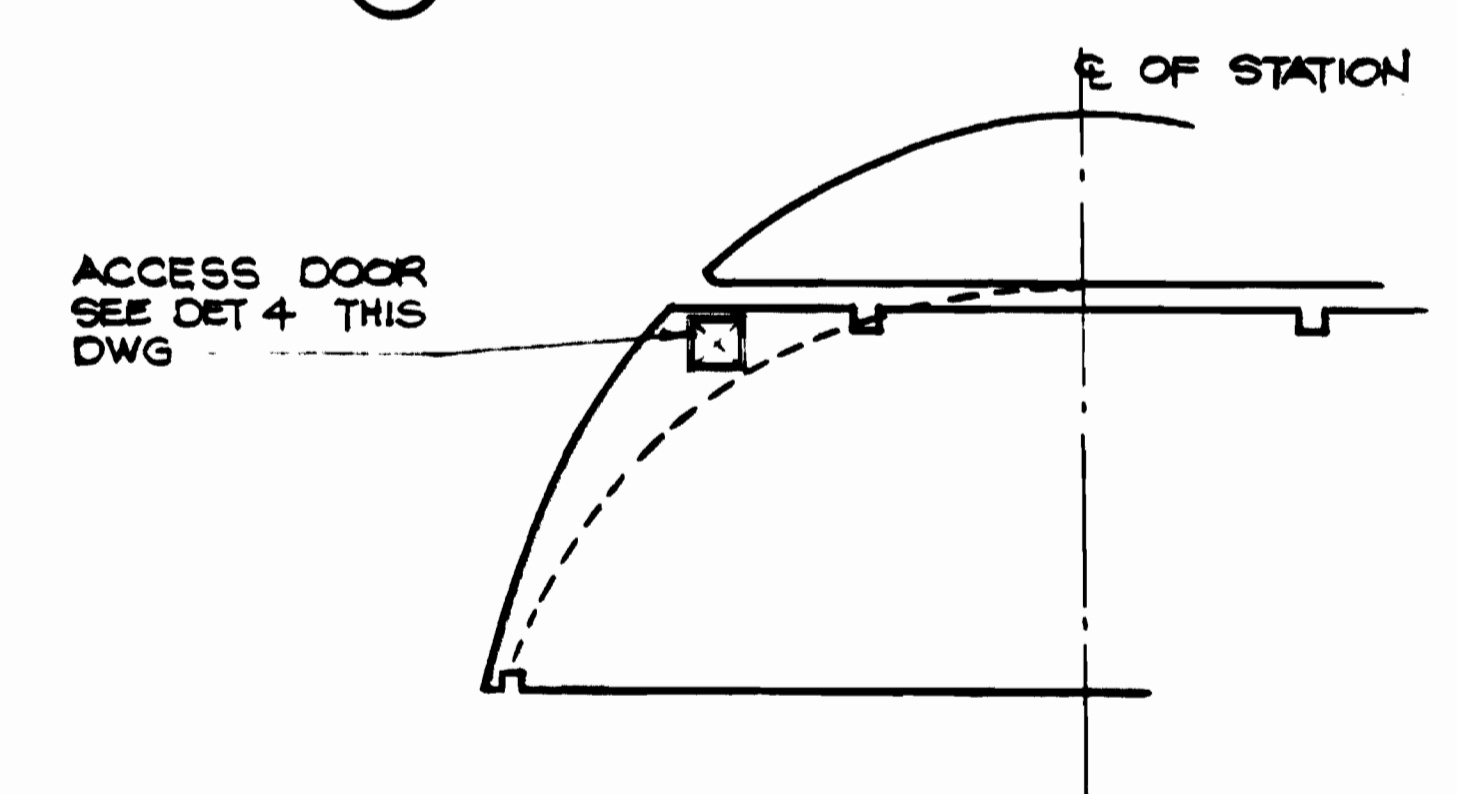
SCALE AS NOTED DRAWING NO. FALL-A-23 M334-54

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS-BUILT CONDITION
SEP 17 1988

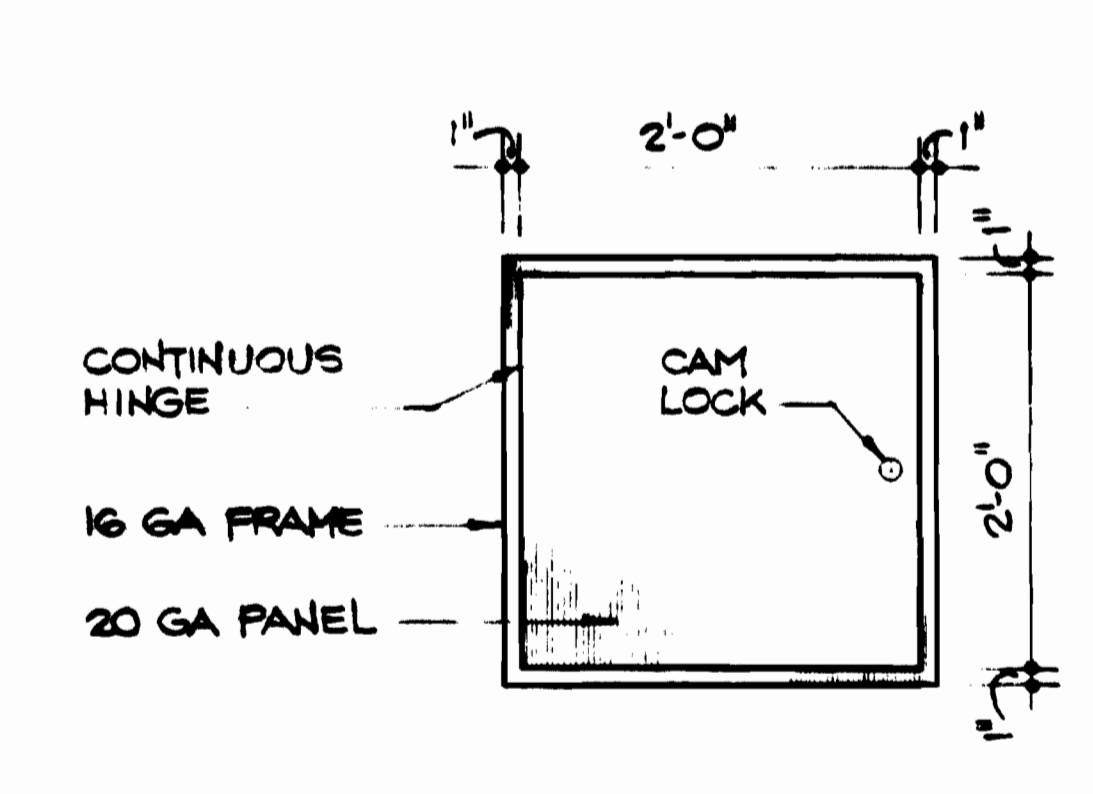


1 PLAN SERVICE ROOMS (NORTH)

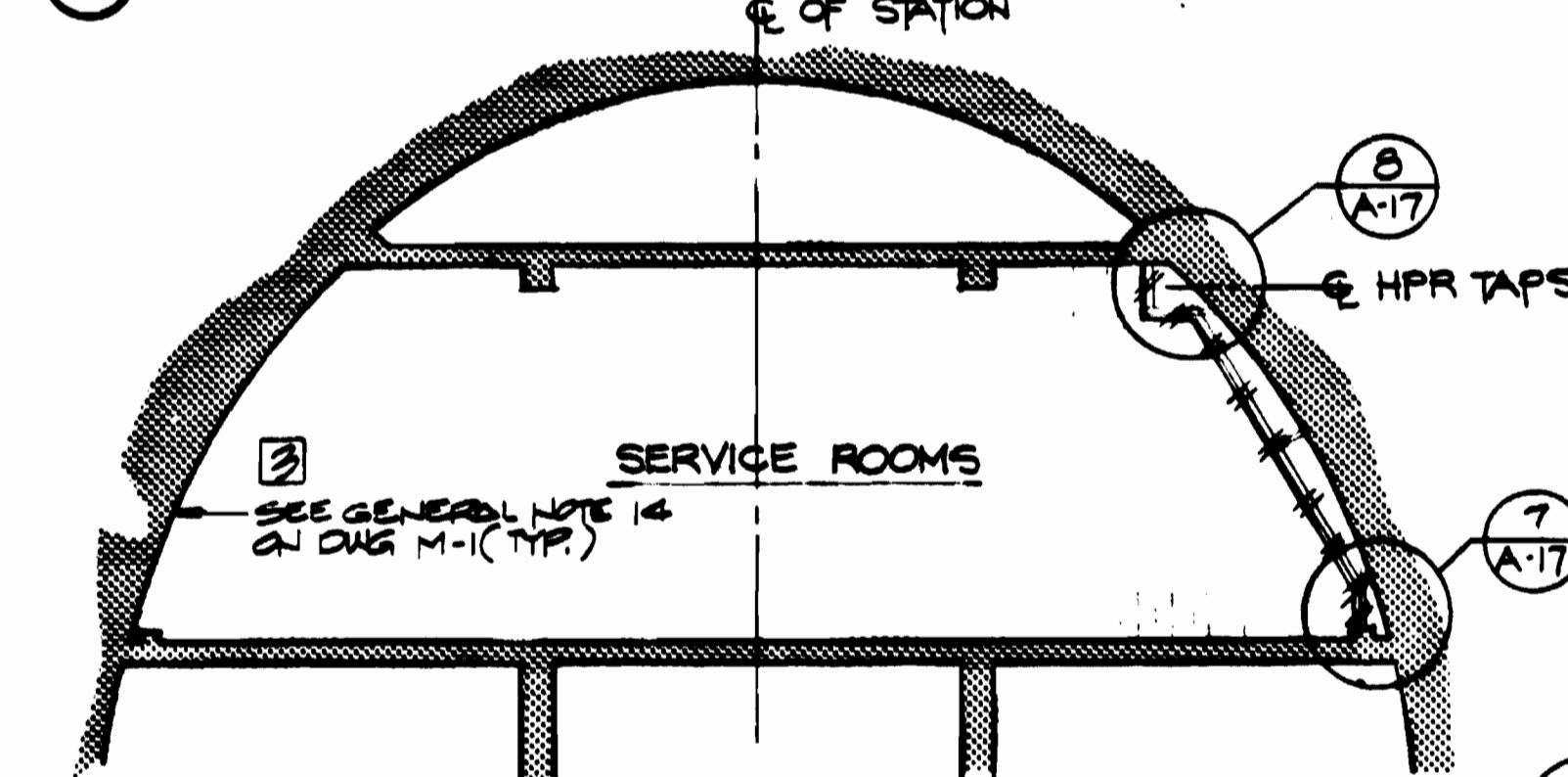
2 PLAN SERVICE ROOMS (SOUTH)



3 ELEVATION @ ACCESS DOOR NOT TO SCALE

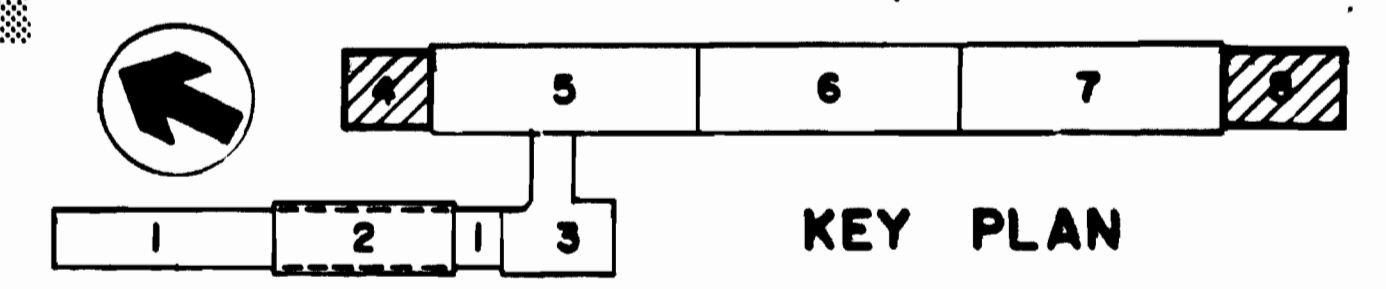
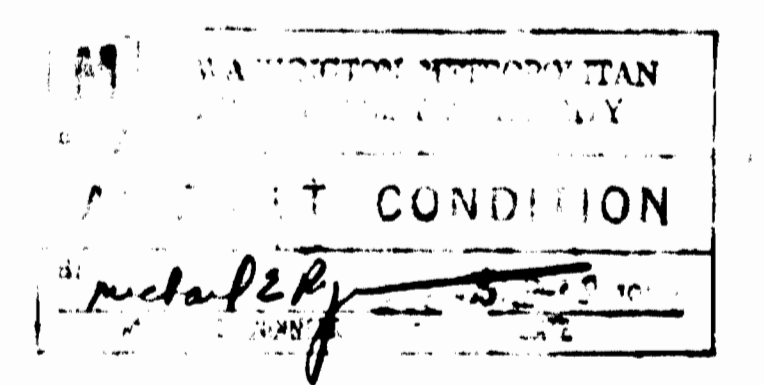


4 TYPICAL ACCESS DOOR (FIRE RATED) NOT TO SCALE



5 SECTION @ WPIFG

- DS-BUILT NOTE:
- 7 1 - ADDED ACOUSTICAL CEILING TO TRAIN CONTROL AND COMMUNICATIONS ROOMS
 - 5 2 - REMOVE EXISTING KENDRICK CHANNEL EMBEDDED IN FLOOR, CHIP HIGH CONCRETE AROUND CONDUIT PER V.D.T. IN COMM RM.
 - 6 3 - PROVIDE 40 PNT DEHUMIDIFIER IN COMM. RM.



DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
J.R. KRESS	12-20-75	S-102	SERVICE AREAS NORTH & SOUTH STAIRS	9-25-80	J.K.	MOVED C.M.U. WALL
DRAWN	1-21-76	M-14	SOUTH ANCILLARY AREA UPPER LEVEL PLAN	6-22-89	M.D.	REV. PER FCD 100, DS-BUILT
CHECKED	9-18-89	M-17	NORTH ANCILLARY AREA UPPER LEVEL PLAN			ADDED NOTE PER FCD 21, DS-BUILT
DATE		E-23	MEZZ LEVEL NBS ANCILLARY SPACES-LTG			REV. PER FCD 45, DS-BUILT
APPROVED	9-18-80	E-24	MEZZ LEVEL NBS ANCILLARY SPACES-PWR			ADDED NOTE PER FCD 99, DS-BUILT
DATE						ADDED NOTE PER FCD 60, DS-BUILT

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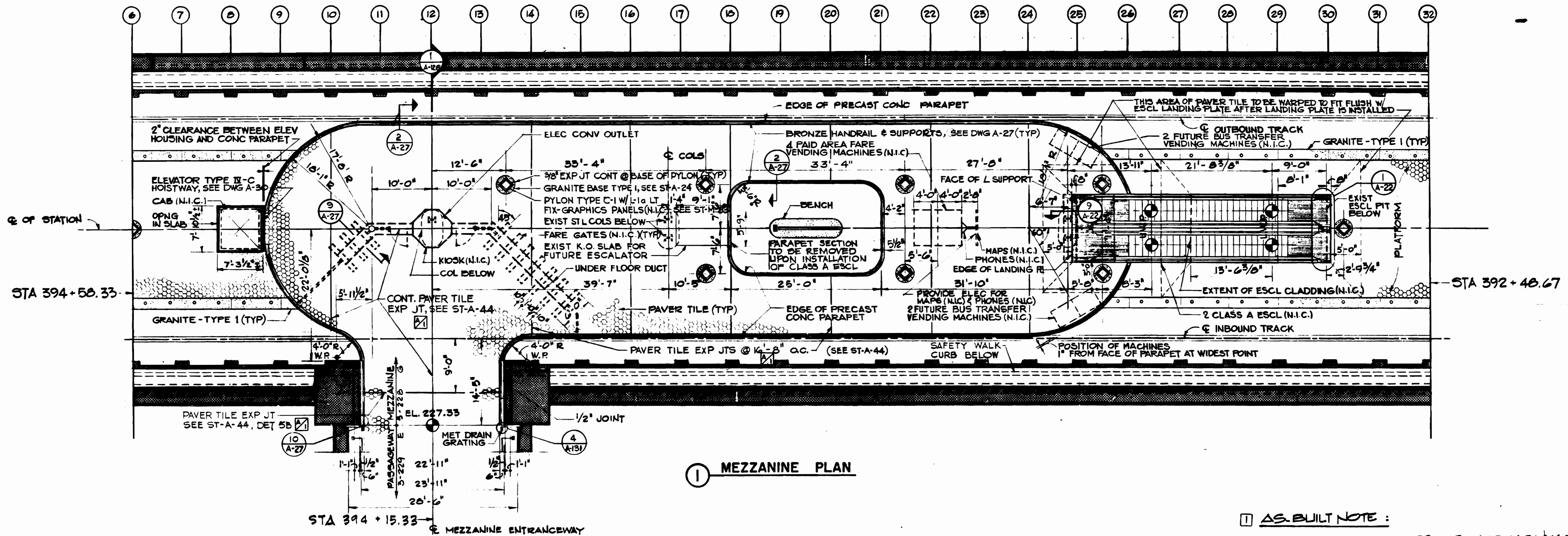
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jerry R. Kress* DATE 8-15-80 APPROVED *Paul Kovach*

ROCKVILLE ROUTE
BETHESDA STATION
ANCILLARY SPACES - MEZZANINE LEVEL

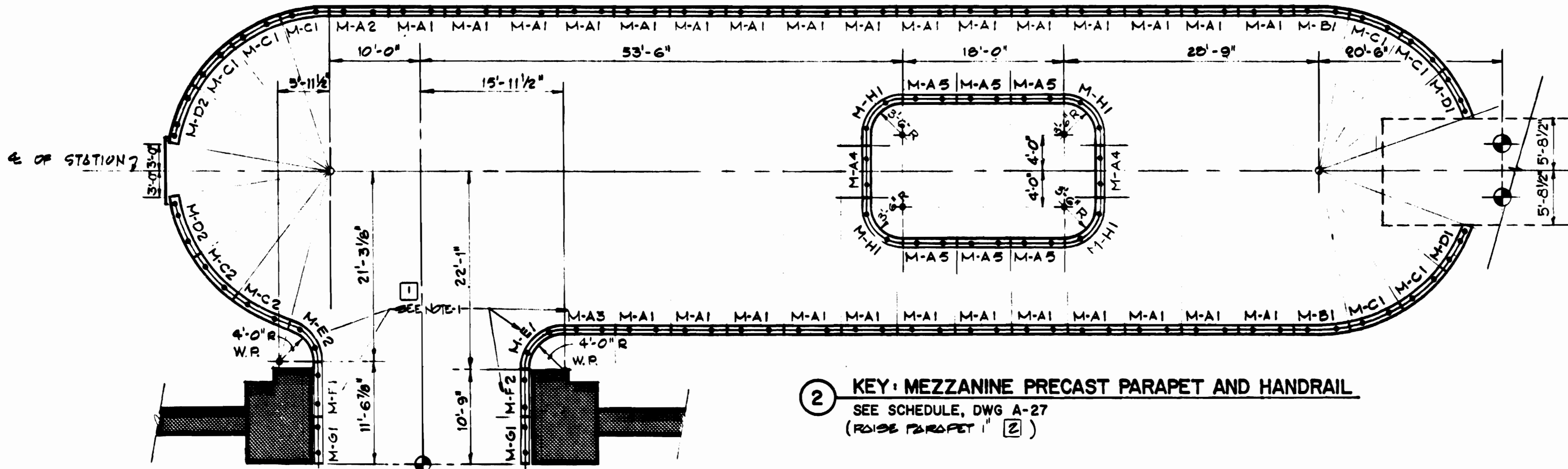
SCALE 1/8" = 1'-0" 1 2 3 4 5 6 7 8 10

DRAWING NO. **Fall-A-24** M334-55

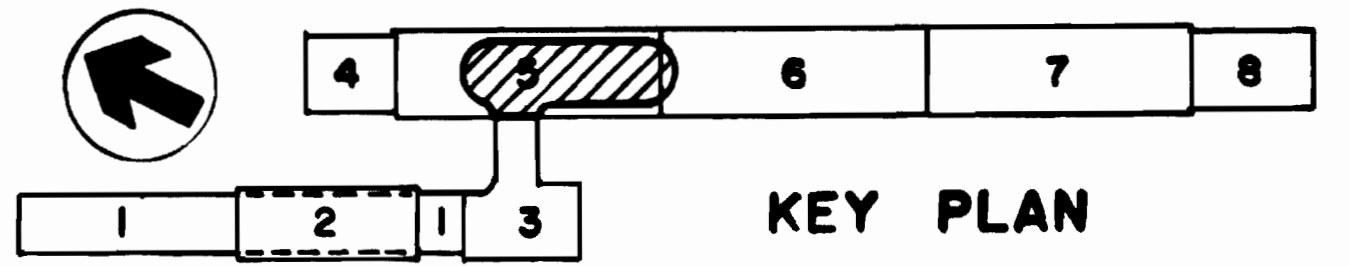


1 MEZZANINE PLAN

- AS-BUILT NOTE:
1. MODIFY PRECAST PANELS M-E2, M-F1, M-A3, M-E1 & M-F2 TO PERMIT PROPER ALIGNMENT BASED ON EXIST. FIELD CONDITIONS.
 2. MODIFY ACOUSTICAL CEILING SUPPORTS AND ANCHOR CLIPS TO LOWER THE ACOUSTICAL CEILING 3 INCHES FOR PROPER INSTALLATION.



2 KEY: MEZZANINE PRECAST PARAPET AND HANDRAIL
SEE SCHEDULE, DWG A-27
(ROUND PARAPET "2")



DESIGNED	J.R. KRESS	12-1-73
DATE		
DRAWN	C.E. BERGER	1-23-74
DATE		
CHECKED	M. MAHAN	8-18-80
DATE		
APPROVED	J. KRESS	9-18-80
DATE		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
S-104	MEZZANINE PRECAST PARAPET - PLAN
M-23	MEZZANINE PLAN AND SECTION
E-21	MEZZANINE PLAN - LIGHTING AND POWER
E-22	MEZZANINE PLAN - POWER AND COMMUNICATION

REVISIONS		
DATE	BY	DESCRIPTION
9-15-80	J.K.	EXP. JT. REVISION
8-20-80	MD	ADDED NOTE PER REV. 00, 00-BUILT
		2 REV. PER FIELD COND. 00-BUILT



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GENERAL ENGINEERING CONSULTANT

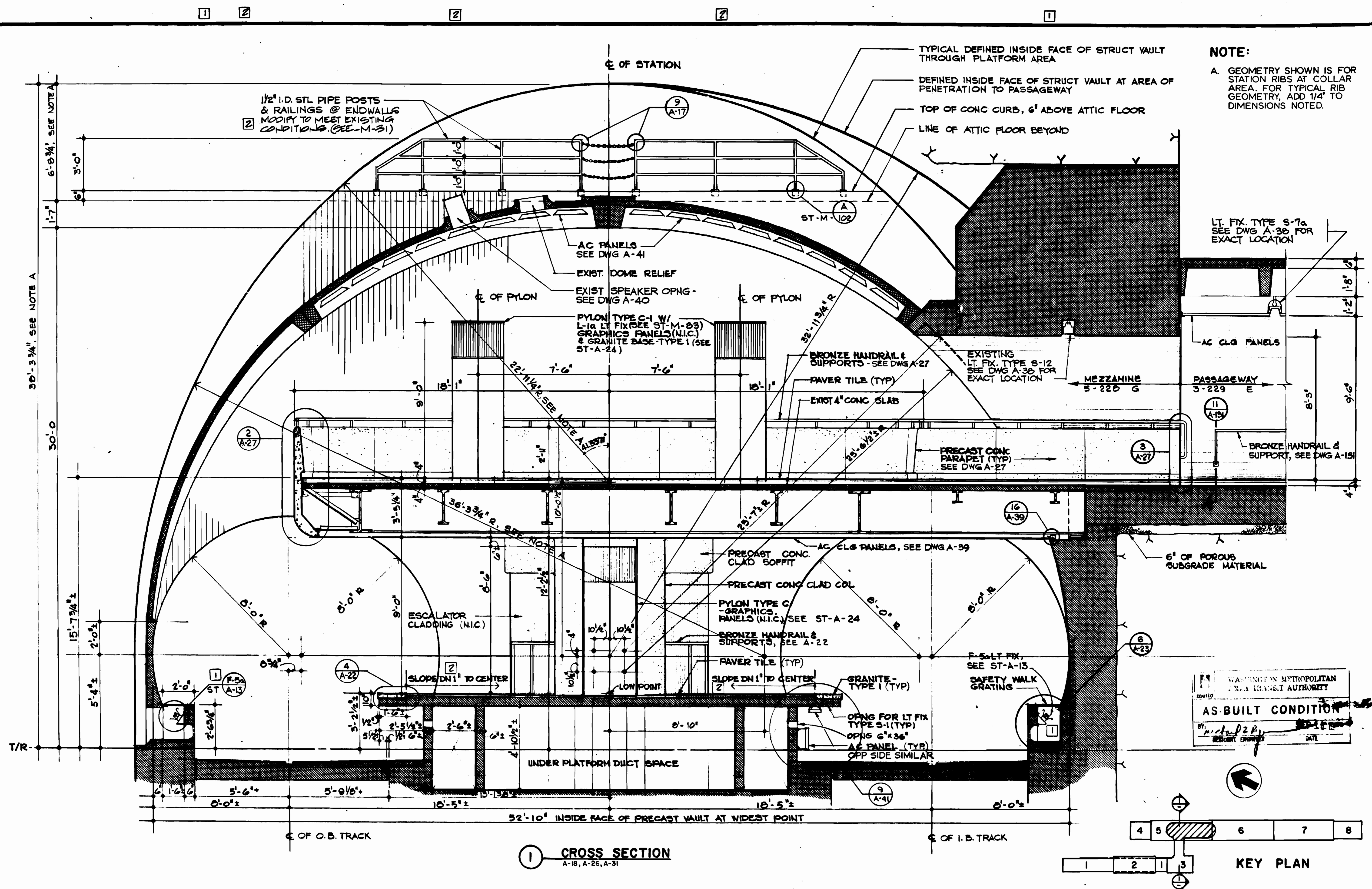
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *J. R. Kress* DATE 8-15-80 APPROVED *Paul J. ...*

**ROCKVILLE ROUTE
BETHESDA STATION
MEZZANINE PLAN AND SECTION**

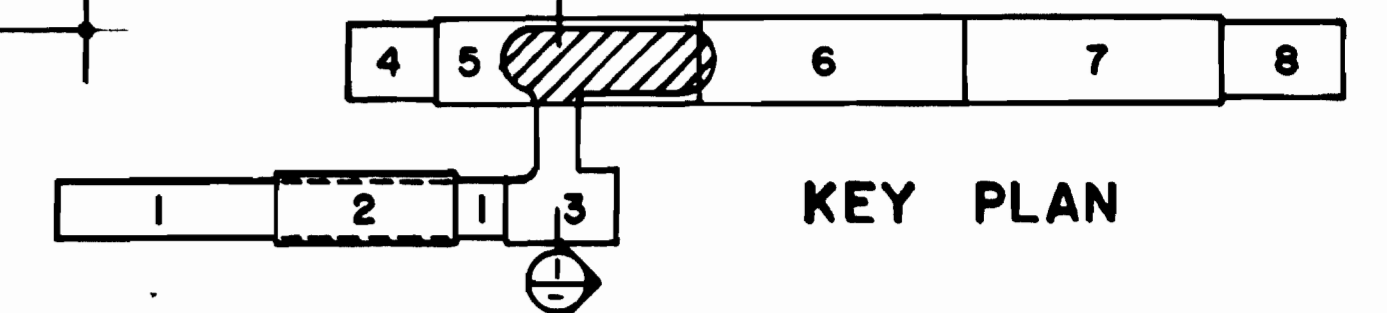
SCALE: 1/8" = 1'-0" 10 2 4 6 8 10

DRAWING NO. **FA11-A-26** M334-56



NOTE:
 A. GEOMETRY SHOWN IS FOR STATION RIBS AT COLLAR AREA. FOR TYPICAL RIB GEOMETRY, ADD 1/4" TO DIMENSIONS NOTED.

1 CROSS SECTION
 A-18, A-26, A-31



DESIGNED J.R. KRESS 11-7-79
 DATE
 DRAWN P.R. Yi 11-11-79
 DATE
 CHECKED M. MAHAN 8-18-80
 DATE
 APPROVED J.R. KRESS 8-18-80
 DATE

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
M-31	TRANSVERSE SECTION
S-104	PRECAST PARAPET PLAN-MEZZ
S-108	MEZZ PRECAST PARAPET DET.

REVISIONS		
DATE	BY	DESCRIPTION
6-22-80	MD	1 DELETED PER R22, REV. 1, AS-BUILT
		2 REV. PER FIELD COND, AS-BUILT



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HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *J. R. Kress* DATE 8-15-80 APPROVED *Paul J. ...*

**ROCKVILLE ROUTE
 BETHESDA STATION
 CROSS SECTION THRU MEZZANINE**

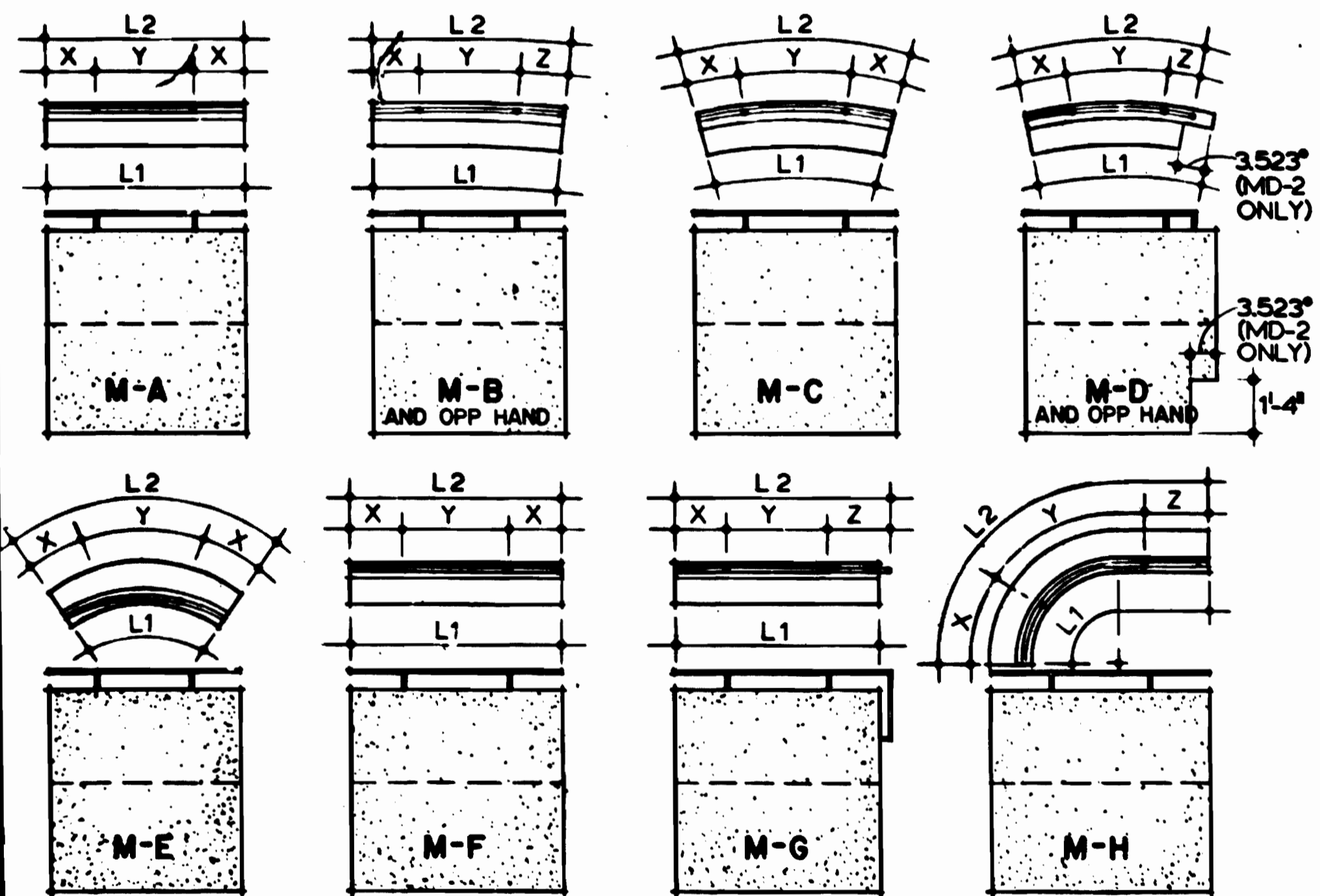
SCALE 3/8"=1'-0"

DRAWING NO. FALL-A-126 M334-57

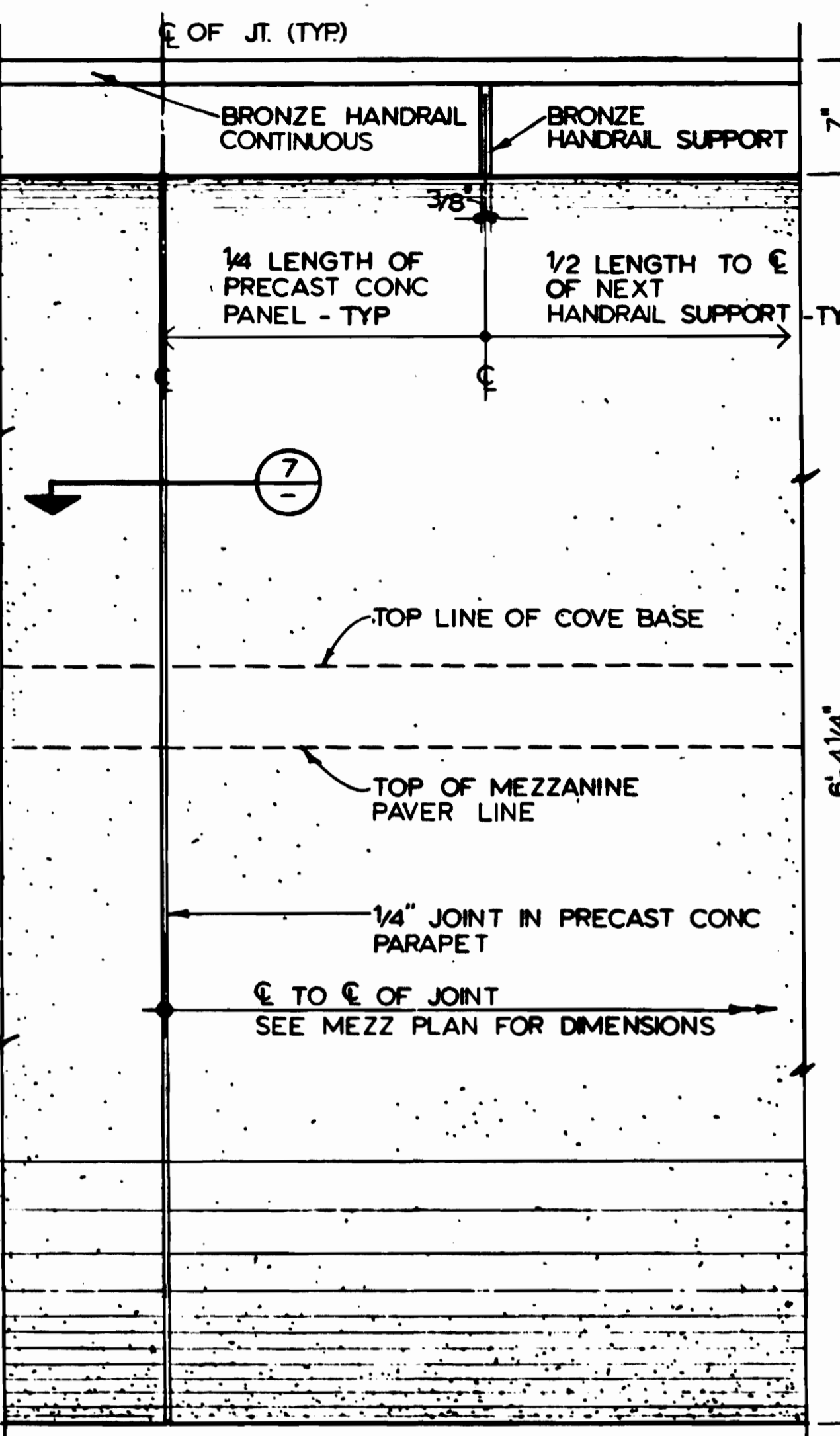
MEZZANINE PRECAST PARAPET AND HANDRAIL SCHEDULE

MARK	L1	L2	x	y	z	∠	R	REMARKS
M-A 1	6'-3 1/4"	6'-3 1/4"	1'-6 13/16"	3'-1 5/8"				
M-A 2	6'-7 1/4"	6'-7 1/4"	1'-7 13/16"	3'-3 5/8"				
M-A 3	5'-8 3/4"	5'-8 3/4"	1'-5 3/16"	2'-10 3/8"				*
M-A 4	5'-9"	5'-9"	1'-5 1/4"	2'-10 1/2"				
M-A 5	6'-0"	6'-0"	1'-6"	3'-0"				
M-B 1	6'-3 1/4"	6'-3 1/4"	1'-6 13/16"	3'-1 5/8"	5.01°	9.46°	215°	RAIL ST. & CONCAVE
M-C 1	6'-4 1/4"	6'-4 1/4"	1'-7 1/16"	3'-2 1/8"		20.32°	215°	RAIL CONCAVE
M-C 2	7'-1"	7'-1"	5'-66°	11-329°		22-659°	215°	RAIL CONCAVE
M-C 3								
M-D 1	6'-7 5/16"	5'-11 7/16"	1'-8"	3'-3 15/16"	11 3/4"	21.31°	215°	RAIL CONCAVE
M-D 2	6'-0 3/4"	5'-4 1/2"	1'-6 3/16"	3'-0 3/8"	9 15/16"	19.39°	215°	RAIL CONCAVE/CUT OUT
M-E 1	6'-6 9/16"	6'-6 9/16"	1'-7 5/8"	3'-3 1/4"		90°	50°	RAIL CONVEX *
M-E 2	5'-4 7/8"	5'-4 7/8"	18-5875°	37-175°		74-35°	50°	RAIL CONVEX *
M-F 1	6'-0 7/8"	6'-0 7/8"	1'-6 3/16"	3'-0 7/16"				*
M-F 2	5'-3"	5'-3"	1'-3 3/4"	2'-7 1/2"				*
M-G 1	5'-6"	5'-10 1/2"	1'-4 1/2"	2'-9"	1'-9"			
M-H 1	6'-10 9/8"	6'-10 9/8"	1'-8 1/16"	3'-5 5/16"	1'-12 1/8"	90°	44°	RAIL CONVEX & ST.

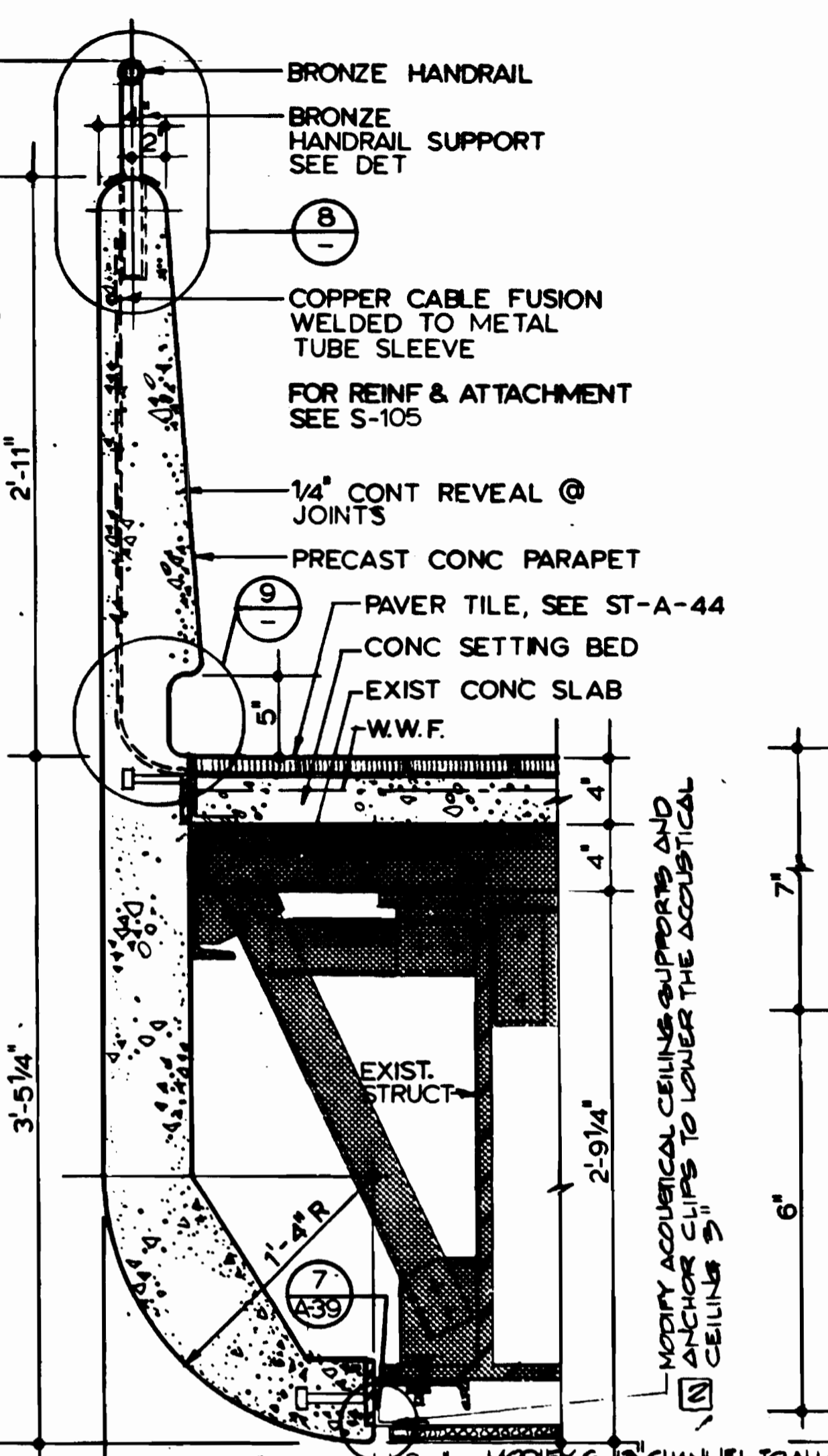
- L1 IS LENGTH OF PARAPET UNIT FROM C OF REVEAL TO C OF REVEAL, MEASURED @ C OF HANDRAIL.
- L2 IS LENGTH OF HANDRAIL UNIT FROM C OF REVEAL TO C OF REVEAL, MEASURED @ C OF HANDRAIL.
- HANDRAIL JOINTS ARE TO OCCUR @ C OF PRECAST PARAPET JOINTS ONLY, TYPICAL.
- X, Y, Z ARE HANDRAIL DIMENSIONS, TAKEN @ C OF HANDRAIL, FROM: C OF REVEAL TO C OF HANDRAIL SLEEVE; C OF SLEEVE TO C OF SLEEVE; AND C OF SLEEVE TO TERMINATION OF HANDRAIL.
- ∠ IS THE TOTAL LENGTH, IN DEGREES, OF A CURVED PARAPET SECTION FROM C OF REVEAL TO C OF REVEAL.
- R IS THE RADIUS OF ∠ MEASURED FROM W.P. TO C OF HANDRAIL.
- MARK INDICATIONS ARE FROM C OF REVEAL TO C OF REVEAL.
- FOR PARAPET LOCATIONS ON THE MEZZANINE SEE KEY, DWG. A-26.
- MODIFY PANELS TO PERMIT PROPER ALIGNMENT BASED ON EXISTING FIELD CONDITIONS.
- MODIFY CHANNEL TO ALLOW 1/2" MIN. CLEARANCE FOR ADJUTICAL CEILING.



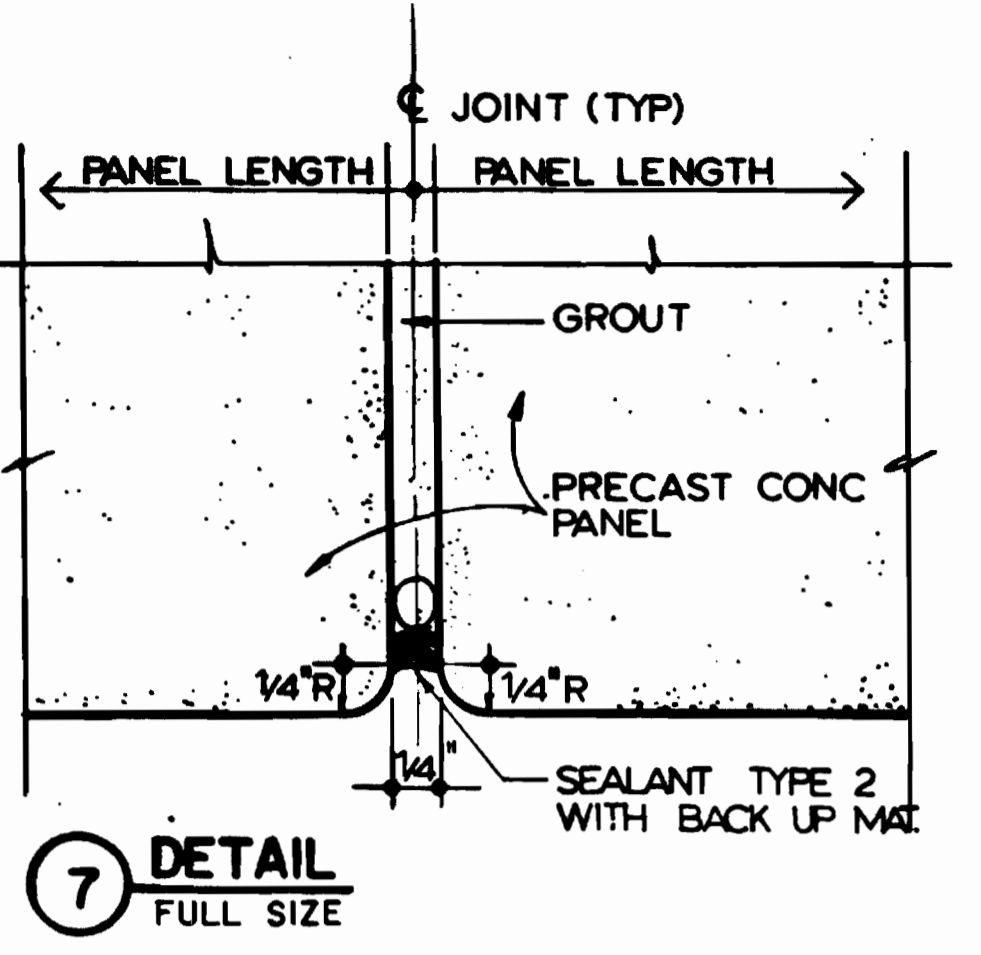
PLAN & ELEVATION - TYPICAL PARAPET AND RAILING TYPES
 NO SCALE NOTE: ALL ELEVATIONS ARE DEVELOPED FROM PLANS



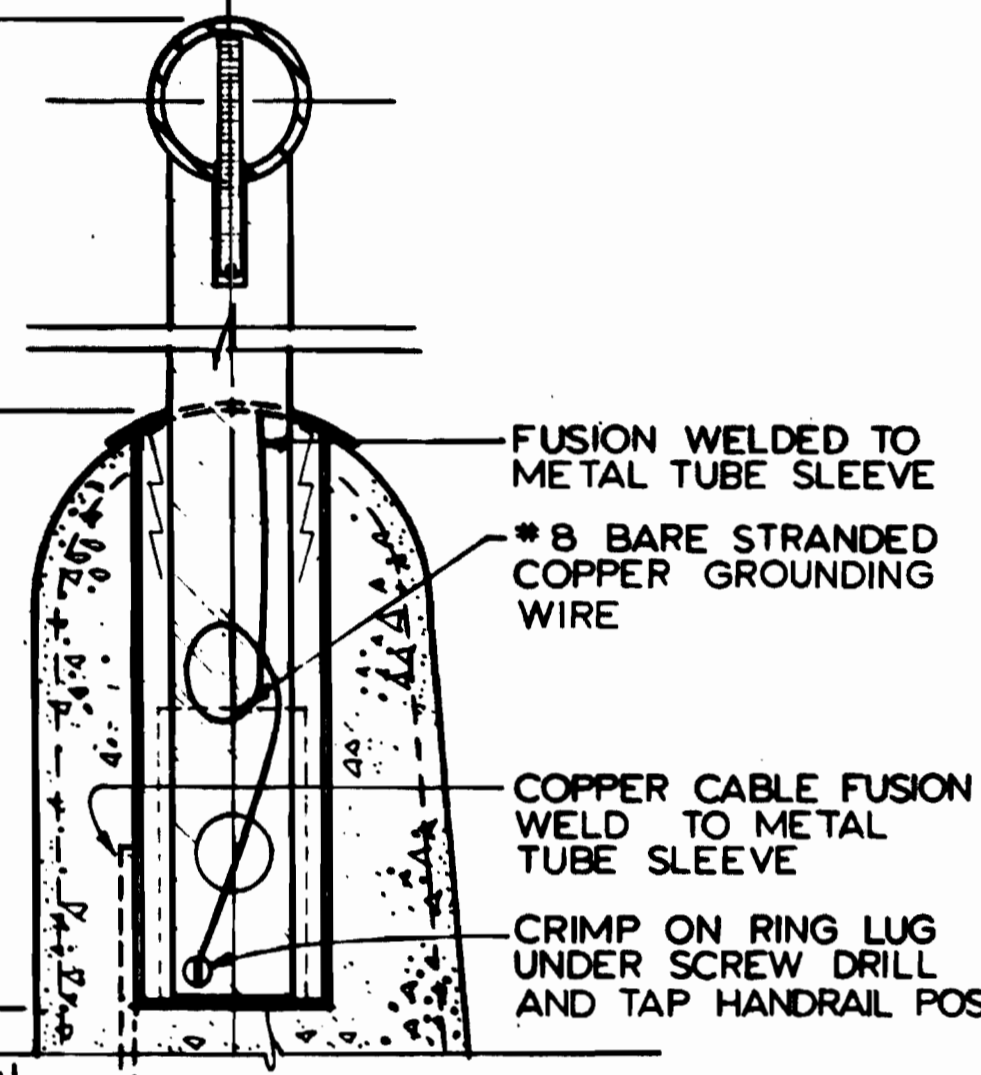
1 ELEVATION (TYPICAL)
 SCALE: 1/2" = 1'-0"



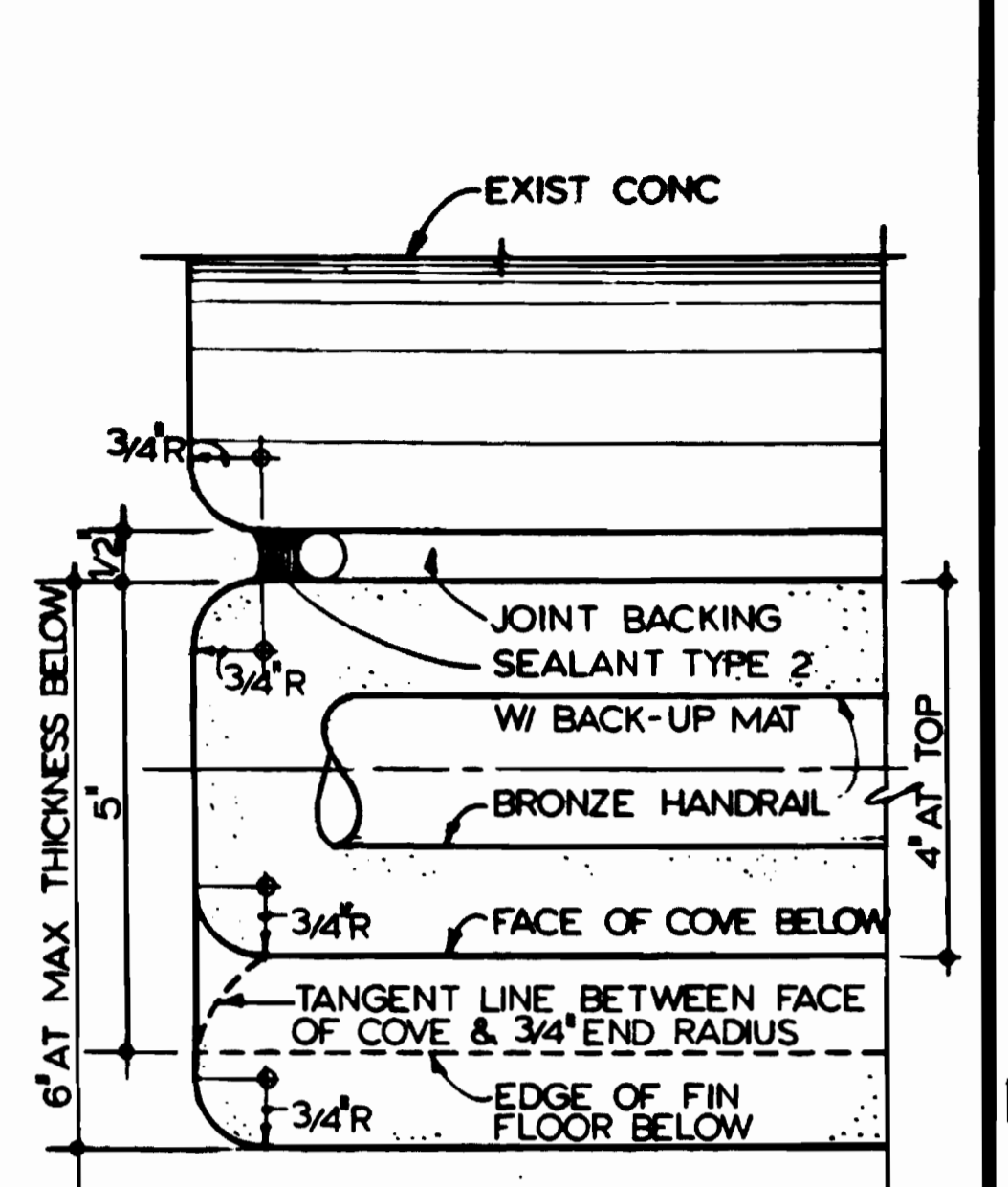
2 SECTION (TYPICAL)
 SCALE: 1/2" = 1'-0"
 RAISE PARAPET 1" @



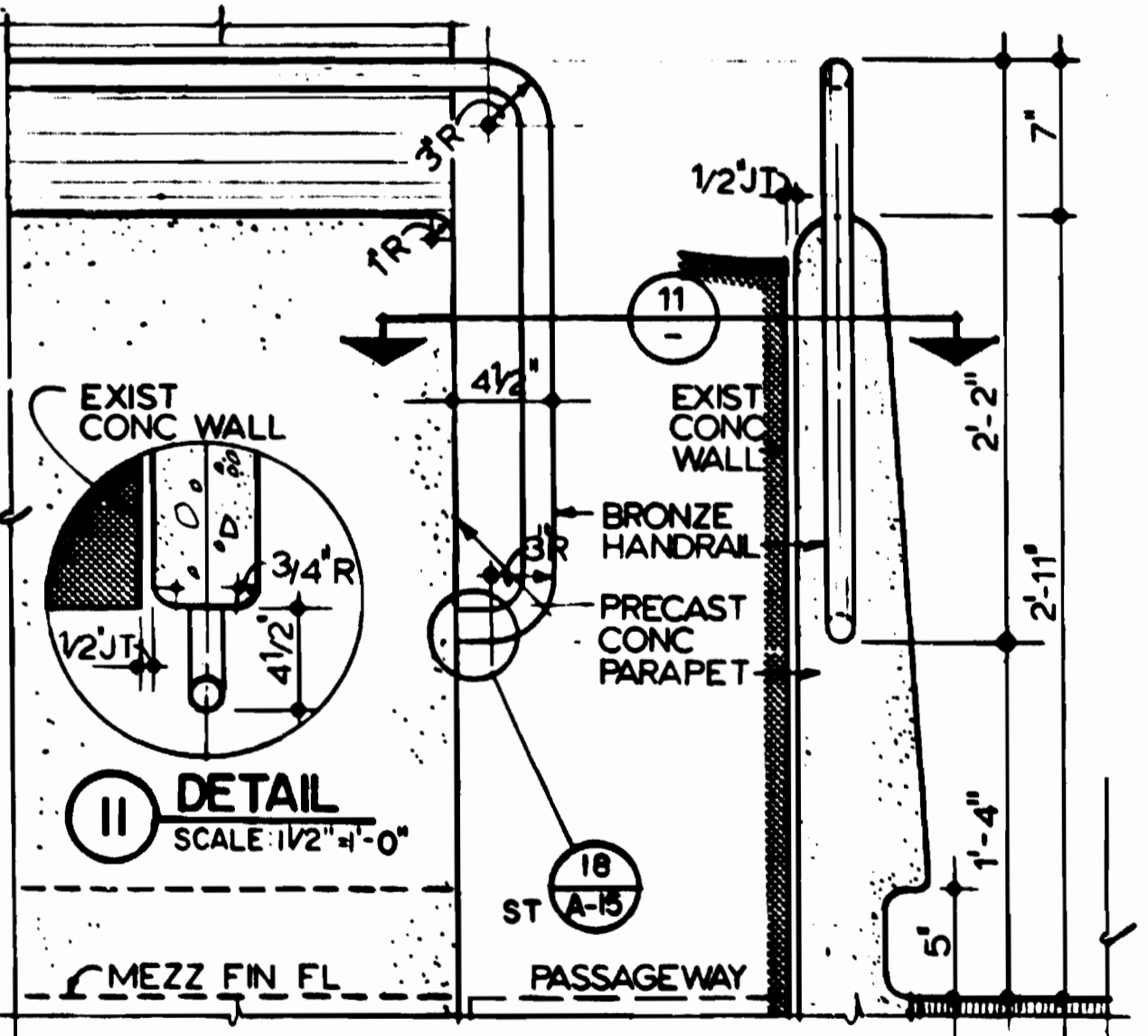
7 DETAIL FULL SIZE



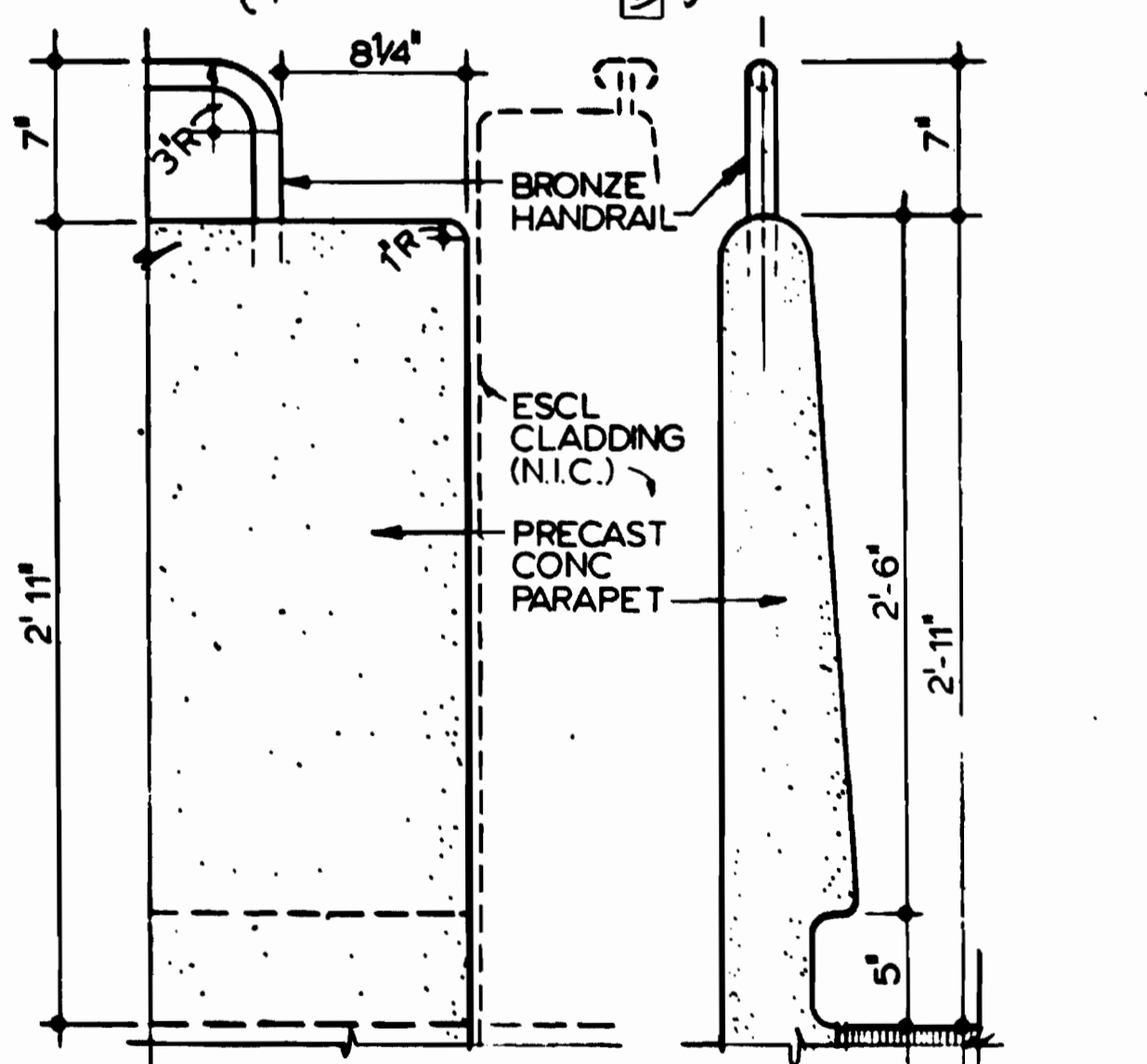
8 DETAIL HALF SIZE



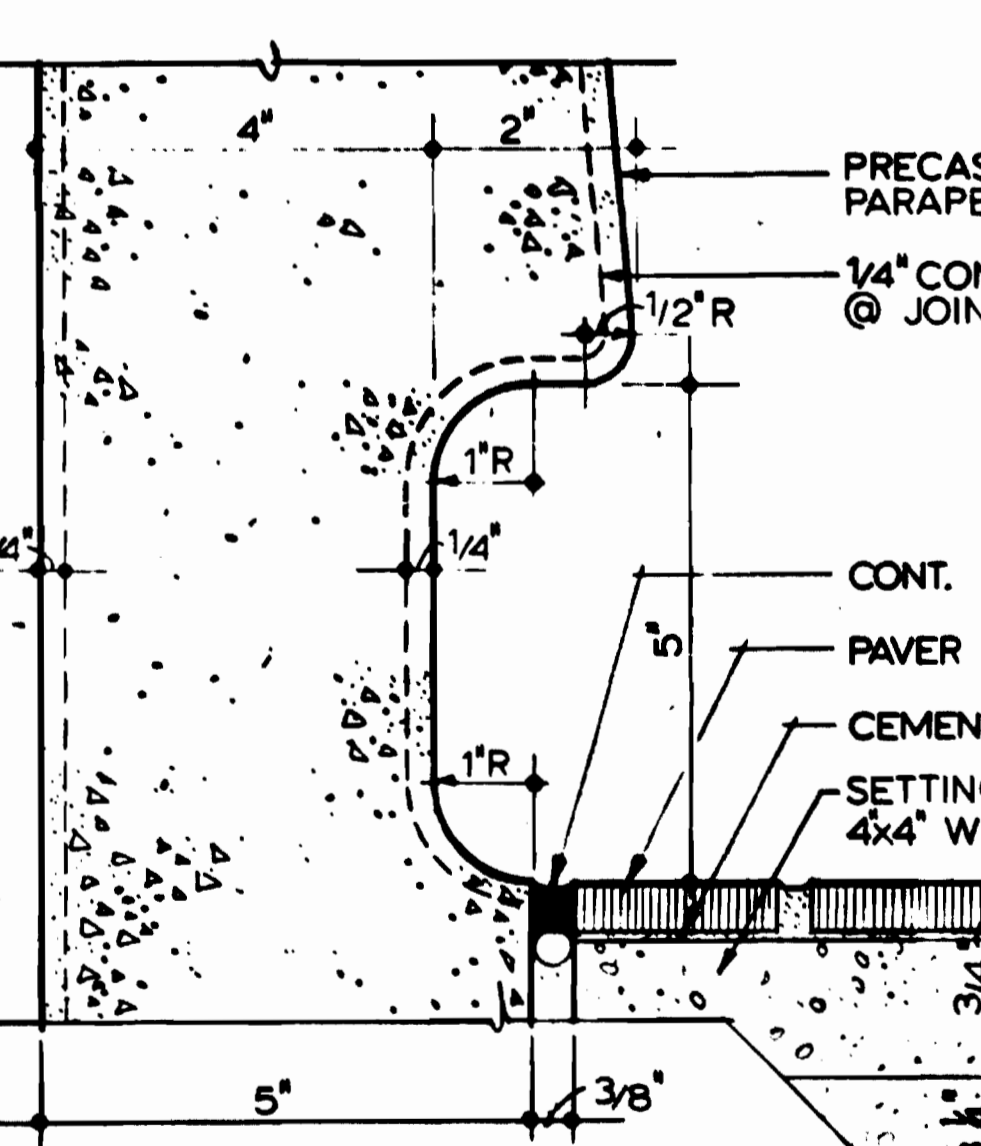
10 END DETAIL HALF SIZE



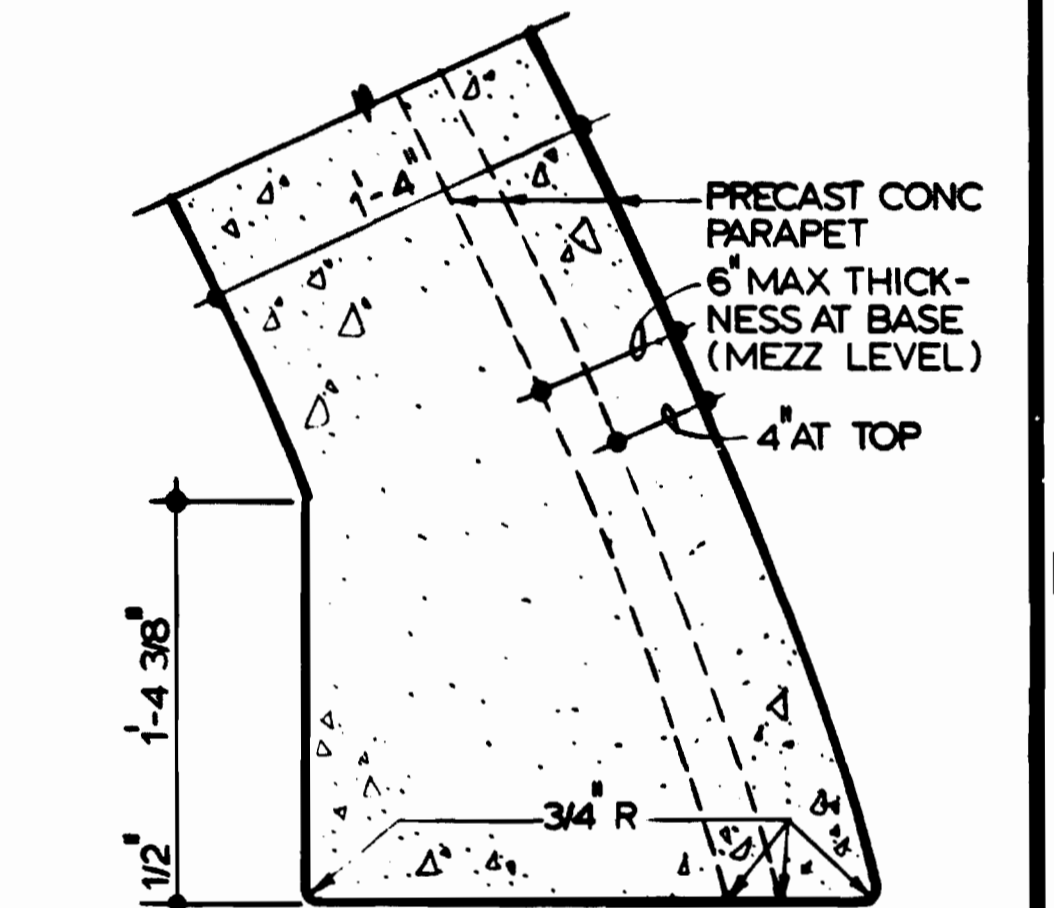
3 ELEVATION SCALE: 1/2" = 1'-0"



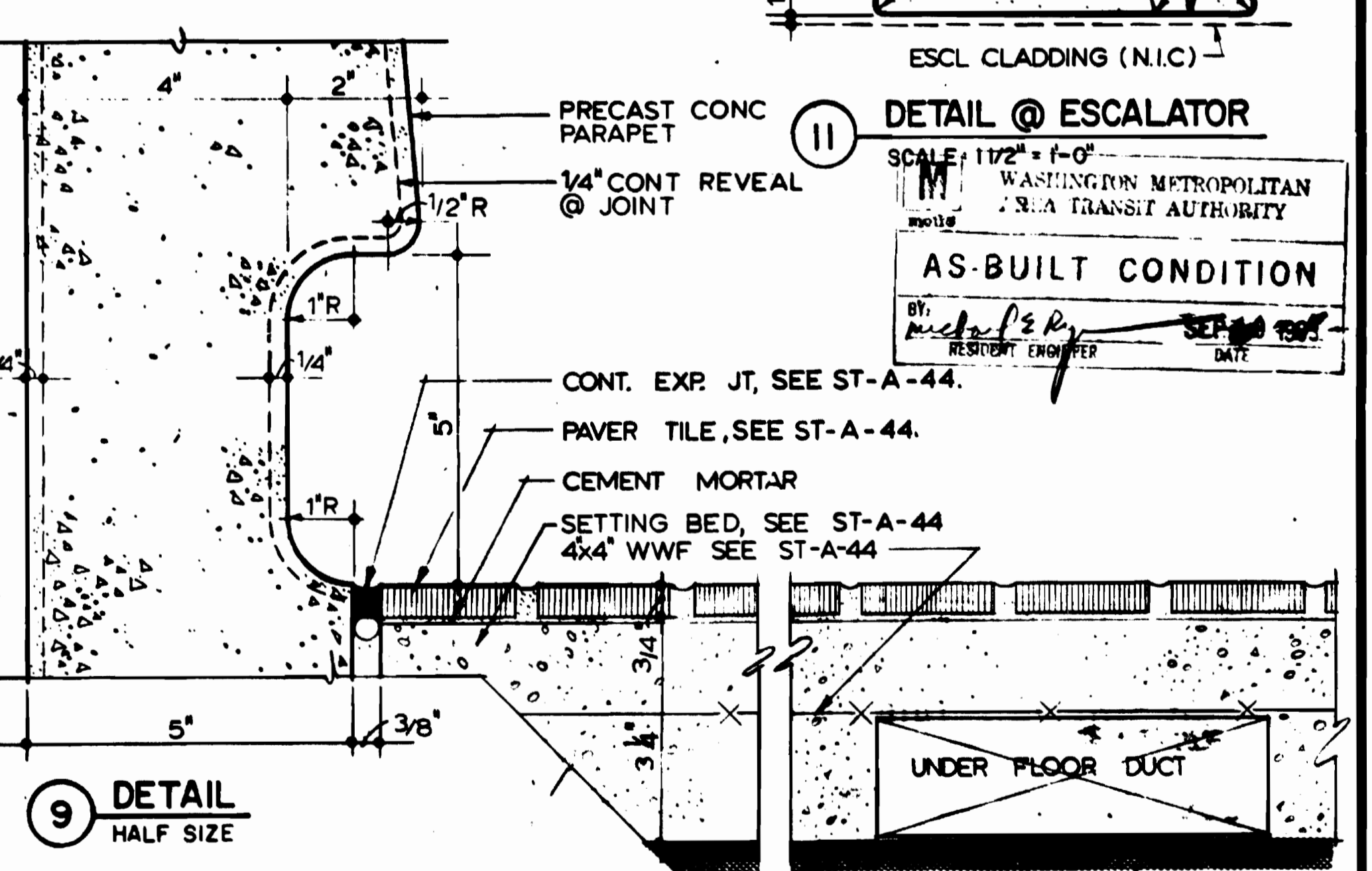
4 END ELEVATION SCALE: 1/2" = 1'-0"



5 ELEVATION SCALE: 1/2" = 1'-0"



11 DETAIL @ ESCALATOR SCALE: 1/2" = 1'-0"



9 DETAIL HALF SIZE

DESIGNED	J.R. KRESS	11-7-78
DATE		
DRAWN	P.R. YI	11-11-78
DATE		
CHECKED	M. MAHAN	9-18-80
DATE		
APPROVED	J.R. KRESS	9-18-80
DATE		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
S-105	MEZZANINE PRECAST PARAPET

REVISIONS		
DATE	BY	DESCRIPTION
6-20-89	MD	1 REV. PER PCD 98, AS-BUILT
		2 REV. PER PCD 68, AS-BUILT
		3 REV. PER FIELD COND, AS-BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *J.R. Kress* DATE 8-15-80 APPROVED *Paul H. ...*

ROCKVILLE ROUTE
 BETHESDA STATION
 MEZZANINE DETAILS

SCALE AS NOTED

DRAWING NO. **FALL-A-27**

M334-58

