

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY



SECTION A11b ROCKVILLE ROUTE

1A0112

MAY 16, 1977

A. A. MATHEWS, INC.

CHATELAIN SAMPERTON AND CARCATERRA

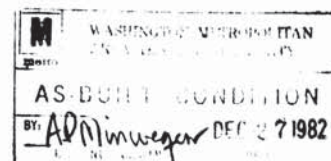
BEALL AND LEMAY

ENGINEERS AND ARCHITECTS

SECTION DESIGNER

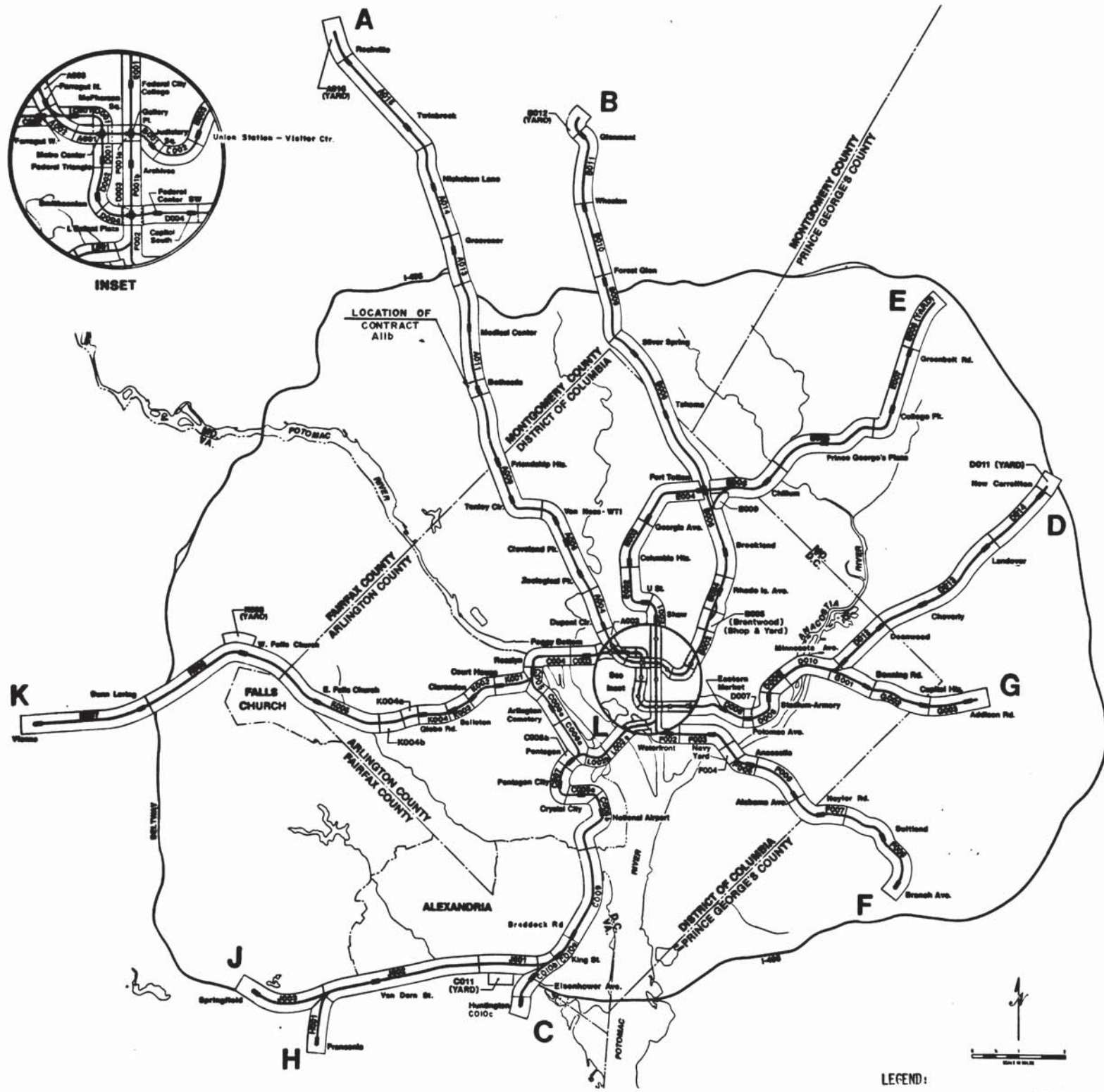
HARRY WEESE & ASSOCIATES

GENERAL ARCHITECTURAL CONSULTANT



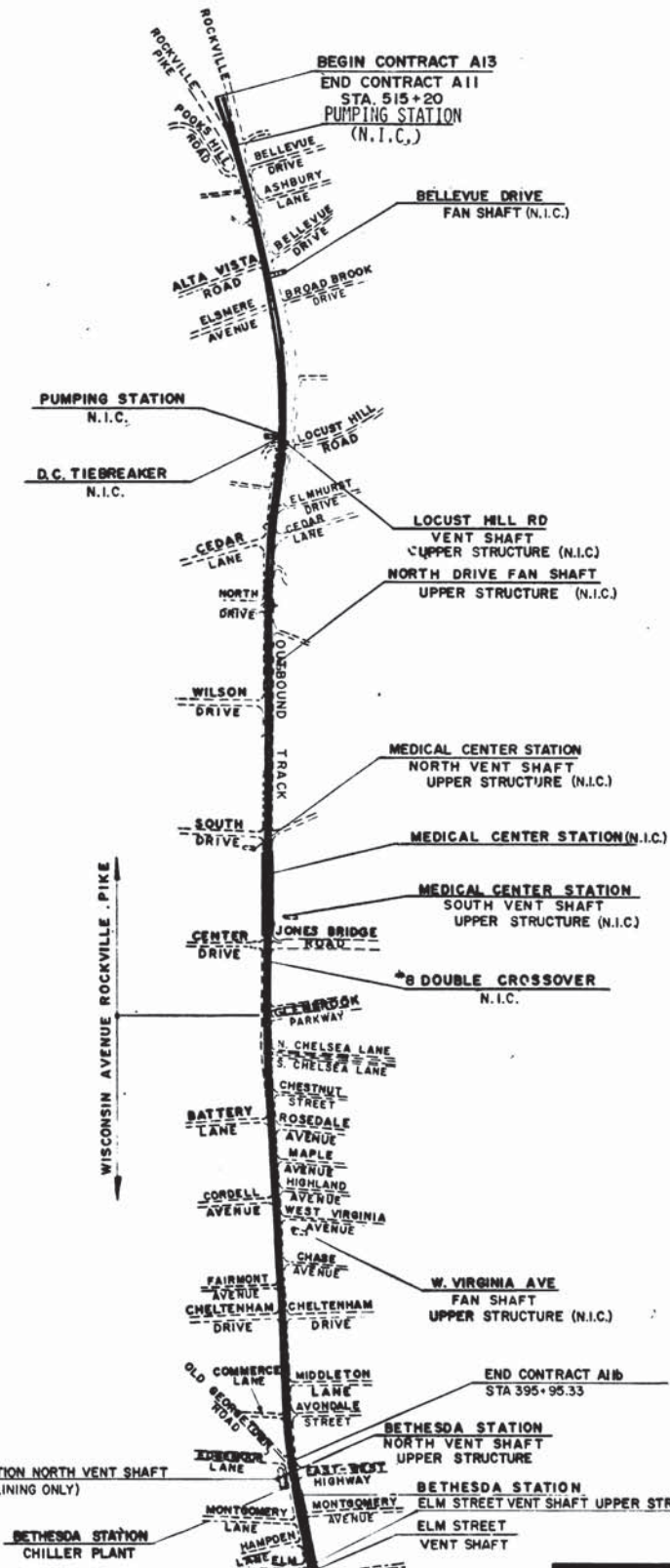
DE LEUW CATHER & COMPANY

GENERAL ENGINEERING CONSULTANT



KEY PLAN OF SYSTEM

LEGEND:
 ——— RAPID TRANSIT LINE
 ■ RAPID TRANSIT STATION
 ■ INCLUDED IN THIS CONTRACT



GENERAL CONSTRUCTION SITE PLAN

1" = 800'

CONTRACT DRAWINGS, FILE NOS. M276-1 TO M276-251
 APPROVED FOR CONSTRUCTION
 ASSISTANT GENERAL MANAGER
 DESIGN AND CONSTRUCTION
 WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
A. B. WIEGAND	9-14-73				
DRAWN	11-4-73				
L. F. METZ					
CHECKED	10-31-74				
A. B. WIEGAND					
APPROVED					



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 _____ DATE _____ APPROVED _____

**KEY PLAN OF SYSTEM AND
 GENERAL CONSTRUCTION SITE PLAN**
 SECTION NO. A-11b

SCALE AS SHOWN

DRAWING NO. A11b-G-19

M276-1

GENERAL DRAWINGS

M276-1	A11b-G-19	KEY PLAN OF SYSTEM AND GENERAL CONSTRUCTION SITE PLAN
<input checked="" type="checkbox"/> M276-2	A11b-G-1	INDEX OF DRAWINGS
<input checked="" type="checkbox"/> M276-3	A11b-G-2	INDEX OF DRAWINGS
<input checked="" type="checkbox"/> M276-4	A11b-G-3	INDEX OF DRAWINGS
<input checked="" type="checkbox"/> M276-5	A11b-G-4	CROSS INDEX OF DRAWINGS
<input checked="" type="checkbox"/> M276-6	A11b-G-5	CROSS INDEX OF DRAWINGS
<input checked="" type="checkbox"/> M276-7	A11b-G-7	KEY PLAN OF CIVIL DRAWINGS
M276-8	A11b-G-8	GENERAL NOTES, ABBREVIATIONS AND SYMBOLS
<input checked="" type="checkbox"/> M276-9	A11b-G-9	WORK AREA PLAN BETHESDA STATION
M276-10	A11b-G-17	WORK AREA PLAN ELM STREET VENT SHAFT
M276-11		NOT USED
M276-12	ST-U-13	TEMPORARY BARRICADES AND FENCES
M276-13	ST-U-16	TEMPORARY TREE GUARDS
M276-14	ST-U-17	PROJECT IDENTIFICATION SIGN
M276-15	ST-U-67	MDTA PROJECT IDENTIFICATION SIGN

HORIZONTAL AND VERTICAL CONTROL

M276-16	A11b-C-3	HORIZONTAL AND VERTICAL CONTROL STA 440+00 TO STA 380+00
M276-17	A11b-C-4	HORIZONTAL AND VERTICAL CONTROL TIES TO HORIZONTAL CONTROL POINTS
<input checked="" type="checkbox"/> M276-18	A11b-C-5	HORIZONTAL & VERTICAL CONTROL TIES TO HORIZONTAL CONTROL POINTS
M276-19	ST-C-2	METRO HORIZONTAL CURVES

RIGHT OF WAY

M276-20	A11b-R-14	RIGHT OF WAY STA 407+00 TO STA 397+00
M276-21	A11b-R-15	RIGHT OF WAY STA 397+98.06 TO STA 393+98.53
<input checked="" type="checkbox"/> M276-22	A11b-R-16	RIGHT OF WAY STA 397+00 TO STA 387+00

SURVEY PLOTS

M276-23	A11b-SP-15	SURVEY PLOT STA 402+00 TO STA 397+00
M276-24	A11b-SP-16	SURVEY PLOT STA 397+00 TO STA 392+00
M276-25	A11b-SP-17	SURVEY PLOT BETHESDA STATION FROM STA 397+86.06 TO STA 393+48.53
M276-26	A11b-SP-18	SURVEY PLOT BETHESDA STATION FROM STA 397+86.06 TO STA 393+48.53
M276-27	A11b-SP-19	SURVEY PLOT BETHESDA STATION FROM STA 397+86.06 TO STA 393+48.53
<input checked="" type="checkbox"/> M276-28	A11b-SP-20	SURVEY PLOTS STA. 392+00 TO STA. 387+00

PLAN AND PROFILE

<input checked="" type="checkbox"/> M276-29	A11b-PP-13	PLAN AND PROFILE STA 407+00 TO STA 397+00
<input checked="" type="checkbox"/> M276-30	A11b-PP-14	PLAN AND PROFILE STA 397+00 TO STA 387+00

UTILITIES

M276-31	A11b-U-1	KEY PLAN OF UTILITIES DRAWINGS
M276-32	ST-U-14	ABBREVIATIONS SYMBOLS AND GENERAL NOTES
M276-33	A11b-U-12	COMPOSITE UTILITIES BETHESDA STATION AREA
<input checked="" type="checkbox"/> M276-34	A11b-U-13	COMPOSITE UTILITIES BETHESDA STATION ENTRANCE
<input checked="" type="checkbox"/> M276-35	A11b-U-14	COMPOSITE UTILITIES ELM STREET VENT SHAFT
<input checked="" type="checkbox"/> M276-36	A11b-U-3	UTILITIES-WATER BETHESDA STATION NORTH VENT SHAFT
M276-37	A11b-U-4	SEDIMENTATION CONTROL BETHESDA STATION
M276-38	A11b-U-6	UTILITIES-SEWER ELM STREET VENT SHAFT
M276-39	ST-U-36	MD STATE ROADS CORR. PAVING DETAILS
M276-40		NOT USED

SOILS AND GEOLOGIC INFORMATION

M276-41	A11b-SO-1	KEY PLAN OF SOILS DRAWINGS
M276-42	A11b-SO-2	SOILS AND GEOLOGICAL INFORMATION BORING COORDINATES AND LEGEND
M276-43	A11b-SO-3	SOILS AND GEOLOGICAL INFORMATION NOTES AND ABBREVIATIONS
M276-44	A11b-SO-17	BORING LOCATIONS PLAN AND PROFILE STA 407+00 TO STA 397+00
M276-45	A11b-SO-18	BORING LOCATIONS PLAN AND PROFILE STA 397+00 TO STA 387+00
M276-46	A11b-SO-20	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS NOS. A - 61U TO A - 64
M276-47	A11b-SO-21	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS NOS. A - 65 TO A - 68
M276-48	A11b-SO-32	SOILS AND GEOLOGICAL INFORMATION NOTES & LOGS OF BORINGS, NOS. AM-1 TO AM-2
M276-49	A11b-SO-33	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS, NOS. AM-3U TO AM-5
M276-50	A11b-SO-34	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS, NOS. AM-6U TO AM-8
M276-51	A11b-SO-35	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS, NOS. AM-9U TO AM-11
M276-52	A11b-SO-44	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS, NOS. AM-47 TO AM-58U
M276-53	A11b-SO-45	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS, NOS. AM-59U TO AM-61
M276-54	A11b-SO-50	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS, NOS AM-80 TO AM-81
M276-55	A11b-SO-51	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS, NOS AM-82 TO AM-86
M276-56	A11b-SO-52	SOILS AND GEOLOGICAL INFORMATION LOGS OF BORINGS NOS. 7-10
M276-57		NOT USED

STRUCTURAL

M276-58	A11b-S-1	KEY PLAN OF STRUCTURAL DRAWINGS
M276-59	A11b-S-100	ABBREVIATIONS AND SYMBOLS
<input checked="" type="checkbox"/> M276-60	A11b-S-101	STRUCTURAL NOTES

<input checked="" type="checkbox"/> M276-61	A11b-S-10	KEY PLAN AND PROFILE BETHESDA STATION
<input checked="" type="checkbox"/> M276-62	A11b-S-24	SUPPORT OF EXCAVATED STATIONS
<input checked="" type="checkbox"/> M276-63	A11b-S-73	SUPPORT OF EXCAVATED STATIONS DETAILS
M276-64	A11b-S-21	BETHESDA STATION PASSAGEWAY ROCK SUPPORT
<input checked="" type="checkbox"/> M276-65	A11b-S-40	BETHESDA STATION PASSAGEWAY PLAN
<input checked="" type="checkbox"/> M276-66	A11b-S-41	BETHESDA STATION PASSAGEWAY SECTIONS
M276-67	A11b-S-42	BETHESDA STATION PASSAGEWAY SECTIONS
M276-68	A11b-S-43	BETHESDA STATION PASSAGEWAY ROOF SLAB PLAN & DETAILS
M276-69	A11b-S-44	BETHESDA STATION PASSAGEWAY ROOF SLAB DETAILS
M276-70	A11b-S-45	BETHESDA STATION PASSAGEWAY BEAM AND COLUMNS
M276-71	A11b-S-46	BETHESDA STATION PASSAGEWAY BEAM AND COLUMN SECTIONS
<input checked="" type="checkbox"/> M276-72	A11b-S-47	BETHESDA STATION PASSAGEWAY BEAM AND COLUMN SECTIONS
M276-73	A11b-S-48	BETHESDA STATION ENTRANCE BEAM AND COLUMN SECTIONS
<input checked="" type="checkbox"/> M276-74	A11b-S-49	BETHESDA STATION ENTRANCE BEAM AND COLUMN SECTIONS
M276-75	A11b-S-50	BETHESDA STATION ENTRANCE BEAM AND COLUMN SECTIONS AND DETAILS
<input checked="" type="checkbox"/> M276-76	A11b-S-51	BETHESDA STATION ENTRANCE BEAM PENETRATIONS
<input checked="" type="checkbox"/> M276-77	A11b-S-35	BETHESDA STATION FUTURE ENTRANCE
<input checked="" type="checkbox"/> M276-78	A11b-S-129	BETHESDA STATION ENTRANCE-ESCALATORS, RETAINING WALLS AND VENT SHAFT PLAN
<input checked="" type="checkbox"/> M276-79	A11b-S-118	BETHESDA STATION SECTION AND DETAILS
<input checked="" type="checkbox"/> M276-80	A11b-S-137	BETHESDA STATION ESCALATOR PLAN SECTION AND DETAILS
<input checked="" type="checkbox"/> M276-81	A11b-S-138	BETHESDA STATION ESCALATOR SECTION
<input checked="" type="checkbox"/> M276-82	A11b-S-139	BETHESDA STATION ESCALATOR SECTIONS
<input checked="" type="checkbox"/> M276-83	A11b-S-125	BETHESDA STATION NORTH VENT SHAFT AND POWER SUB-STATION DETAILS
<input checked="" type="checkbox"/> M276-84	A11b-S-126	BETHESDA STATION ESCALATOR SECTIONS AND DETAILS
<input checked="" type="checkbox"/> M276-85	A11b-S-132	BETHESDA STATION NORTH VENT SHAFT AND ENTRANCE SECTIONS
<input checked="" type="checkbox"/> M276-86	A11b-S-133	BETHESDA STATION ENTRANCE DETAILS
<input checked="" type="checkbox"/> M276-87	A11b-S-134	BETHESDA STATION ESCALATOR SECTIONS AND DETAILS
<input checked="" type="checkbox"/> M276-88	A11b-S-135	BETHESDA STATION POWER SUB-STATION SECTIONS AND DETAILS
M276-89	A11b-S-136	BETHESDA STATION POWER SUB-STATION SECTIONS AND DETAILS
<input checked="" type="checkbox"/> M276-90	A11b-S-127	BETHESDA STATION ENTRANCE RETAINING WALL

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
A.B. WIEGAND	5-10-77			7/11/77	JLB	ADDED REVISION SYMBOL
J.L. BISHOP	5-10-77					
A.B. WIEGAND	5-10-77					
<i>[Signature]</i>	5-10-77					



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 *[Signature]* DATE *[Signature]* APPROVED *[Signature]*

ROCKVILLE ROUTE

INDEX OF DRAWINGS

SCALE: NO SCALE DRAWING NO. A11b-G-1 M276-2

#276-181	A11b-LA-6	RESTORATION-LANDSCAPING PLAN ELM STREET VENT SHAFT	#276-211	A11b-H-46	BETHESDA STATION ELM STREET VENT SHAFT LOWER LEVEL AND UPPER STRUCTURE PLAN AND SECTION	<input checked="" type="checkbox"/>	#276-241	A11b-E-13	BETHESDA STATION TRACTION POWER SUBSTATION AND CHILLER PLANT			
#276-182		NOT USED	<input checked="" type="checkbox"/>	#276-212	A11b-H-47		<input checked="" type="checkbox"/>	#276-242	A11b-E-14	BETHESDA STATION TRACTION POWER SUBSTATION AND CHILLER PLANT DETAILS		
#276-183		NOT USED		#276-213	A11b-H-48	DRAINAGE DETAILS		#276-243	A11b-E-114	BETHESDA STATION TRACTION POWER CONDUIT-TRACK LEVEL PLAN		
#276-184	ST-LA-1	LANDSCAPE STANDARD DRAWING KEY, SYMBOLS, ABBREVIATIONS & NOTES SECTION NO. A11B		#276-214	A11b-H-49	DRAINAGE DETAILS		<input checked="" type="checkbox"/>	#276-244	A11b-E-214	TRACTION POWER CONDUIT STA. 395+84.33	
#276-185	ST-LA-2	LANDSCAPING STANDARD DRAWING TREE AND SHRUB PLANTING SECTION NO. A11B		#276-215	A11b-H-50	HYDROSTATIC PRESSURE RELIEF SYSTEM SECTIONS AND DETAILS		<input checked="" type="checkbox"/>	#276-245	A11b-E-115	BETHESDA STATION GROUNDING SYSTEM	
#276-186	ST-LA-5	LANDSCAPE STANDARD DRAWING EDGING AND SLOPE STABILIZATION SECTION NO. A11B		#276-216	A11b-H-51	HYDROSTATIC PRESSURE RELIEF SYSTEM		<input checked="" type="checkbox"/>	#276-246	A11b-E-15	BETHESDA STATION TRAIN CONTROL CONDUIT SCHEDULE	
#276-187	ST-A-13	LIGHTING FIXTURES SECTION NO. A11B		#276-217		NOT USED		<input checked="" type="checkbox"/>	#276-247	A11b-E-16	BETHESDA STATION COMMUNICATION CONDUIT SCHEDULE	
#276-188	ST-A-15	STATION-BRONZE HANDRAIL DETAILS SECTION NO. A11B		#276-218	ST-M-1	DRAINAGE DETAILS AND CASTINGS, SHT. 1		<input checked="" type="checkbox"/>	#276-248	A11b-E-17	BETHESDA STATION COMMUNICATION CONDUIT SCHEDULE	
#276-189	ST-A-39	OUTLETS, PLAQUE & MANHOLE SECTION NO. A11B		#276-219	ST-H-26	DRAINAGE DETAILS AND CASTINGS, SHT. 2 SECTION NO. A11B		<input checked="" type="checkbox"/>	#276-249	A11b-E-18	BETHESDA STATION COMMUNICATION CONDUIT SCHEDULE	
#276-190	ST-A-41	LIGHTING FIXTURES SECTION NO. A11B		#276-220	ST-H-50	MECHANICAL DETAILS SECTION NO. A11B		<input checked="" type="checkbox"/>	#276-250	A11b-E-118	BETHESDA STATION COMMUNICATION CONDUIT SCHEDULE	
MECHANICAL				#276-221	ST-H-53	DRAINAGE DETAILS & CASTINGS SHT. 4 SECTION NO. A11B		<input checked="" type="checkbox"/>	#276-251	A11b-E-19	BETHESDA STATION A.C. POWER CONDUIT SCHEDULE	
#276-191	A11b-E-1	LEGEND AND GENERAL NOTES		#276-222	ST-B-100	MAINTENANCE HATCH FOR ESCALATOR AND ELEVATOR MACHINE ROOM SHT. 1 SECTION NO. A11B		<input checked="" type="checkbox"/>	#276-252	A11b-E-20	BETHESDA STATION A.C. POWER CONDUIT SCHEDULE	
#276-192	A11b-E-2	KEY PLAN OF MECHANICAL DRAWINGS		#276-223	ST-H-101	MAINTENANCE HATCH FOR ESCALATOR AND ELEVATOR MACHINE ROOM SHT. 2 SECTION NO. A11B		<input checked="" type="checkbox"/>	#276-253	A11b-E-201	BETHESDA STATION A.C. POWER CONDUIT SCHEDULE	
#276-193	A11b-E-7	KEY PLAN AND PROFILE STA 453+00 TO STA 447+00		#276-224	ST-H-106	ACCESS DOOR AND STAIR ARRANGEMENT FOR PASSENGER EMERGENCY EXIT SECTION NO. A11B		<input checked="" type="checkbox"/>	#276-254	A11b-E-120	CONDUIT SCHEDULE BETHESDA STATION NORTH VENT SHAFT	
#276-194	A11b-E-11	KEY PLAN AND PROFILE STA 397+00 TO STA 387+00		#276-225	ST-H-137	FRAMES & GRATINGS SHT. 1 SECTION NO. A11B			#276-255		NOT USED	
#276-195	A11b-E-16	BETHESDA STATION ENTRANCE DETAILS		#276-226	ST-H-138	FRAMES & GRATINGS SHT. 2 SECTION NO. A11B			#276-256		NOT USED	
#276-196	A11b-E-21	BETHESDA STATION PLATFORM DETAILS		ELECTRICAL					#276-257	ST-E-15	MISCELLANEOUS DETAILS SECTION NO. A11B	
<input checked="" type="checkbox"/>	#276-197	A11b-E-25	BETHESDA STATION STATION SECTION	<input checked="" type="checkbox"/>	#276-227	A11b-E-1	KEY PLAN ELECTRICAL DRAWINGS		<input checked="" type="checkbox"/>	#276-258	ST-E-301	CATHODIC PROTECTION DETAILS SECTION NO. A11B
<input checked="" type="checkbox"/>	#276-198	A11b-E-31	BETHESDA STATION SUBSTATION-CHILLER PLANT PLAN AND SECTION	<input checked="" type="checkbox"/>	#276-228	A11b-E-2	SYMBOLS ABBREVIATIONS & GENERAL NOTES		<input checked="" type="checkbox"/>	#276-259	ST-E-302	CATHODIC PROTECTION DETAILS FOR WHITE UTILITY SYSTEMS-SECTION NO. A11B
#276-199	A11b-E-32	BETHESDA STATION ENTRANCE SECTION		<input checked="" type="checkbox"/>	#276-229	A11b-E-45	EMBEDDED ITEMS DETAILS			#276-260	ST-E-303	CORROSION CONTROL SYSTEM TESTING DETAILS SECTION NO. A11B
<input checked="" type="checkbox"/>	#276-200	A11b-E-33	BETHESDA STATION ENTRANCE ANCILLARY SPACES, PLAN AND SECTION	<input checked="" type="checkbox"/>	#276-230	A11b-E-30	BETHESDA STATION TELEPHONE BOOTH & MAP CASE DETAIL			#276-261	ST-TC-2	BURIED CONDUIT ARRANGEMENT TRAIN CONTROL TRACK CABLES
#276-201	A11b-E-35	BETHESDA STATION NORTH ANCILLARY SPACES MEZZANINE LEVEL		<input checked="" type="checkbox"/>	#276-231	A11b-E-47	BETHESDA STATION GROUNDING ARRANGEMENT					
#276-202	A11b-E-36	BETHESDA STATION NORTH ANCILLARY SPACE SECTION		<input checked="" type="checkbox"/>	#276-232	A11b-E-3	BETHESDA STATION NORTH & SOUTH ANCILLARY SPACES-PLATFORM LEVEL		ADDED DRAWINGS			
#276-203	A11b-E-136	BETHESDA STATION NORTH VENT SHAFT LOWER LEVEL PLAN AND SECTION		<input checked="" type="checkbox"/>	#276-233	A11b-E-5	BETHESDA STATION PLATFORM PLAN-STA 395+07 TO STA 393+07		<input checked="" type="checkbox"/>	#276-262	ST-U-32	WASHINGTON SUBURBAN SANITARY COMMISSION-WATER DETAILS
<input checked="" type="checkbox"/>	#276-204	A11b-E-37	BETHESDA STATION NORTH ANCILLARY SPACES PLATFORM LEVEL	<input checked="" type="checkbox"/>	#276-234	A11b-E-6	BETHESDA STATION PLATFORM PLAN-STA 393+07 TO STA 391+07		<input checked="" type="checkbox"/>	#276-263	ST-U-33	WASHINGTON SUBURBAN SANITARY COMMISSION-WATER DETAILS
#276-205	A11b-E-38	BETHESDA STATION PLATFORM PLAN		<input checked="" type="checkbox"/>	#276-235	A11b-E-7	BETHESDA STATION PLATFORM PLAN-STA 391+07 TO STA 389+07					
#276-206	A11b-E-39	BETHESDA STATION PLATFORM PLAN		<input checked="" type="checkbox"/>	#276-236	A11b-E-8	BETHESDA STATION MEZZANINE PLAN-STA 394+58.33 TO STA 392+48.67					
<input checked="" type="checkbox"/>	#276-207	A11b-E-40	BETHESDA STATION PLATFORM PLAN	<input checked="" type="checkbox"/>	#276-237	A11b-E-9	BETHESDA STATION NORTH AND SOUTH ANCILLARY SPACES-MEZZANINE LEVEL					
<input checked="" type="checkbox"/>	#276-208	A11b-E-41	BETHESDA STATION SOUTH ANCILLARY SPACES PLATFORM LEVEL	<input checked="" type="checkbox"/>	#276-238	A11b-E-10	BETHESDA STATION PASSAGELWAY-ANCILLARY PLAN					
#276-209	A11b-E-43	BETHESDA STATION SOUTH ANCILLARY SPACE SECTION		<input checked="" type="checkbox"/>	#276-239	A11b-E-11	BETHESDA STATION ESCALATORWAY PLAN AND SECTION					
#276-210	A11b-E-44	BETHESDA STATION SOUTH ANCILLARY SPACES MEZZANINE LEVEL		<input checked="" type="checkbox"/>	#276-240	A11b-E-12	BETHESDA STATION ENTRANCE PLAN					

DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		ROCKVILLE ROUTE	
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	MATHews • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS		INDEX OF DRAWINGS	
1		7/11/77	JLB	ADDED REVISION SYMBOLS				DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT		SCALE	
2		9/13/77	WKK	LISTED NEW DRAWINGS				HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT		DRAWING NO.	
								SECTION DESIGNER		NO SCALE	
								SUBMITTED		A11b-G-3	
								DATE		M276-4	

GENERAL INFORMATION

PLAN AND PROFILE

<input checked="" type="checkbox"/>	A11b-G-1	B276-2
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	A11b-G-19	B276-1

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<input checked="" type="checkbox"/>	A11b-PP-14	B276-30
UTILITIES		
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A11b-SO-52	B276-56	
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	A11b-S-72	B276-132
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	A11b-S-76	B276-136
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	A11b-S-78	B276-138

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	A11b-S-90	B276-146
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	A11b-S-100	B276-59
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<input checked="" type="checkbox"/>	A11b-S-109	B276-93
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<input checked="" type="checkbox"/>	A11b-S-126	B276-84
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	A11b-S-136	B276-89
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	A11b-S-144	B276-98
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	A11b-S-203	B276-129
	A11b-S-205	B276-178
	A11b-S-211	B276-133
	A11b-S-212	B276-126
	A11b-S-213	B276-134
	A11b-S-214	B276-127

HORIZONTAL AND VERTICAL CONTROL

A11b-C-3	B276-16	
A11b-C-4	B276-17	
<input checked="" type="checkbox"/>	A11b-C-5	B276-18

RIGHT OF WAY

A11b-B-14	B276-20	
A11b-B-15	B276-21	
<input checked="" type="checkbox"/>	A11b-B-16	B276-22

SHARY PLOTS

A11b-SP-15	B276-23	
A11b-SP-16	B276-24	
A11b-SP-17	B276-25	
A11b-SP-18	B276-26	
A11b-SP-19	B276-27	
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SOILS AND GEOLOGICAL INFORMATION

A11b-SO-1	B276-41
A11b-SO-2	B276-42
A11b-SO-3	B276-43
A11b-SO-17	B276-44
A11b-SO-18	B276-45
A11b-SO-20	B276-46
A11b-SO-21	B276-47
A11b-SO-32	B276-48
A11b-SO-33	B276-49
A11b-SO-34	B276-50
A11b-SO-35	B276-51
A11b-SO-44	B276-52
A11b-SO-45	B276-53
A11b-SO-50	B276-54
A11b-SO-51	B276-55

DESIGNED A.B. WIEGAND DATE 5-20-77	REFERENCE DRAWINGS		REVISIONS	
DRAWN M.F. CRATTY DATE 5-20-77	NUMBER	DESCRIPTION	DATE	BY DESCRIPTION
CHECKED A.B. WIEGAND DATE 5-20-77			7/11/77	JLB REDRAWN 2
APPROVED _____ DATE				



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 *James C. Monahan* DATE 11-7-77 APPROVED _____

ROCKVILLE ROUTE
CROSS INDEX OF DRAWINGS

SCALE NO SCALE DRAWING NO. A11b-G-4 M276-5

<input checked="" type="checkbox"/> A11b-S-216	B276-104	A11b-A-40	B276-180	A11b-B-38	B276-205	<input checked="" type="checkbox"/> A11b-E-15	B276-246	<input checked="" type="checkbox"/> ST-S-6	B276-149
A11b-S-221	B276-110	<input checked="" type="checkbox"/> A11b-A-41	B276-174	A11b-B-39	B276-206	<input checked="" type="checkbox"/> A11b-E-16	B276-247	ST-S-7	B276-150
A11b-S-222	B276-111	A11b-A-42	B276-170	<input checked="" type="checkbox"/> A11b-B-40	B276-207	<input checked="" type="checkbox"/> A11b-E-17	B276-248	ST-S-9	B276-151
<input checked="" type="checkbox"/> A11b-S-223	B276-112	A11b-A-43	B276-175	<input checked="" type="checkbox"/> A11b-B-41	B276-208	<input checked="" type="checkbox"/> A11b-E-18	B276-249	ARCHITECTURAL	
A11b-S-231	B276-123	A11b-A-44	B276-165	A11b-B-43	B276-209	<input checked="" type="checkbox"/> A11b-E-19	B276-251	ST-LA-1	B276-184
A11b-S-232	B276-124	<input checked="" type="checkbox"/> A11b-A-45	B276-160	A11b-B-44	B276-210	<input checked="" type="checkbox"/> A11b-E-20	B276-252	ST-LA-2	B276-185
A11b-S-233	B276-125	A11b-A-46	B276-166	A11b-B-46	B276-211	<input checked="" type="checkbox"/> A11b-E-30	B276-230	ST-LA-5	B276-186
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A11b-A-21	B276-154	A11b-A-6	B276-181	A11b-B-136	B276-203	A11b-E-120	B276-254	ST-B-26	B276-219
A11b-A-22	B276-155	MECHANICAL		ELECTRICAL		<input checked="" type="checkbox"/> A11b-E-201	B276-253	ST-B-50	B276-220
A11b-A-23	B276-156	A11b-B-1	B276-191	A11b-B-1	B276-227	<input checked="" type="checkbox"/> A11b-E-214	B276-244	ST-B-53	B276-221
A11b-A-24	B276-157	A11b-B-2	B276-192	<input checked="" type="checkbox"/> A11b-B-2	B276-228	STANDARD DRAWINGS		ST-B-100	B276-222
A11b-A-25	B276-158	A11b-B-7	B276-193	<input checked="" type="checkbox"/> A11b-B-3	B276-232	CIVIL		ST-B-101	B276-223
A11b-A-26	B276-159	A11b-B-11	B276-194	<input checked="" type="checkbox"/> A11b-B-5	B276-233	ST-C-2	B276-19	ST-B-106	B276-224
A11b-A-27	B276-161	A11b-B-16	B276-195	<input checked="" type="checkbox"/> A11b-B-6	B276-234	UTILITIES		ST-B-137	B276-225
A11b-A-28	B276-162	A11b-B-21	B276-196	<input checked="" type="checkbox"/> A11b-B-7	B276-235	ST-U-13	B276-12	ST-B-138	B276-226
A11b-A-29	B276-163	<input checked="" type="checkbox"/> A11b-B-25	B276-197	<input checked="" type="checkbox"/> A11b-B-8	B276-236	ST-U-14	B276-32	ELECTRICAL	
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A11b-A-35	B276-176	A11b-B-36	B276-202	<input checked="" type="checkbox"/> A11b-B-13	B276-241	STRUCTURAL		ST-TC-2	B276-261
A11b-A-36	B276-164	<input checked="" type="checkbox"/> A11b-B-37	B276-204	<input checked="" type="checkbox"/> A11b-B-14	B276-242	ST-S-4	B276-148		

ADDED DRAWINGS

<input checked="" type="checkbox"/> ST-U-32	M276-262
<input checked="" type="checkbox"/> ST-U-33	M276-263

STANDARD DRAWINGS

CIVIL

ST-C-2 B276-19

UTILITIES

ST-U-13 B276-12

ST-U-14 B276-32

ST-U-16 B276-13

ST-U-17 B276-14

ST-U-36 B276-39

ST-U-67 B276-15

STRUCTURAL

ST-S-4 B276-148

ELECTRICAL

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ST-B-301 B276-258

~~ST-B-302~~ ~~B276-259~~

ST-B-303 B276-260

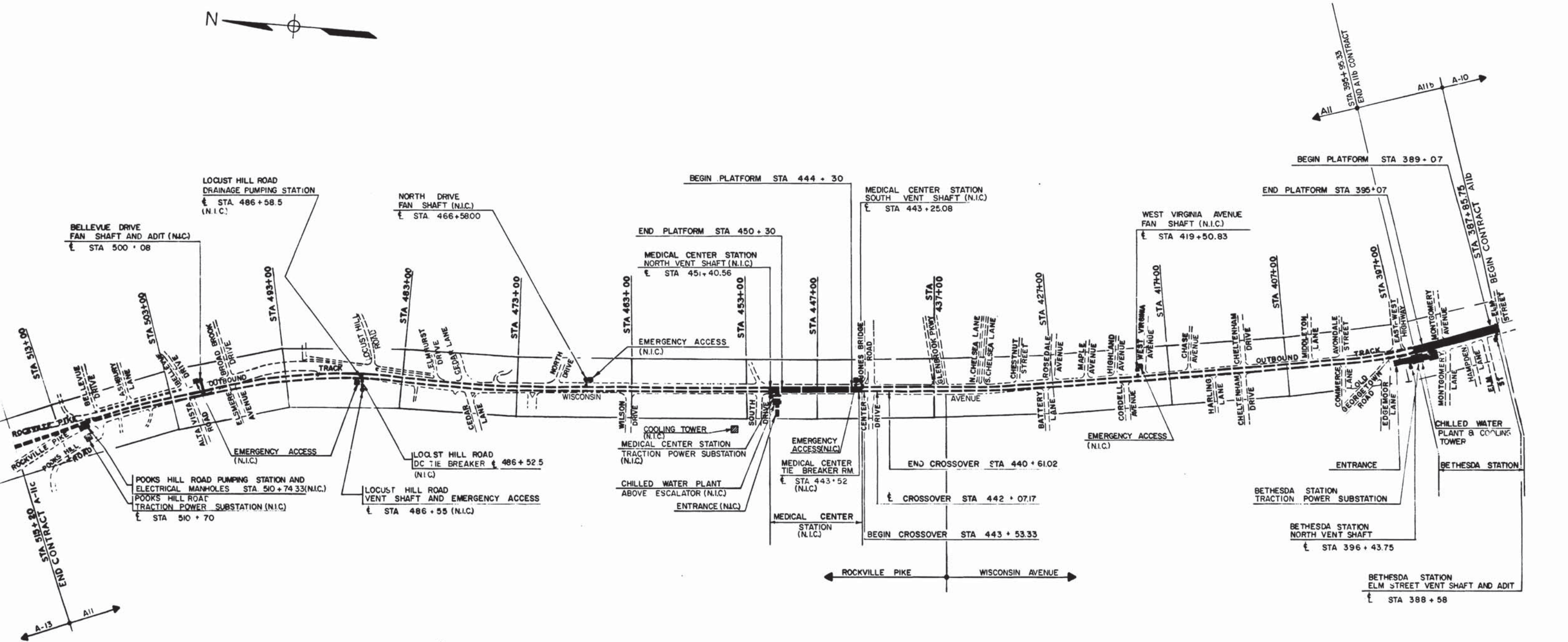
ST-TC-2 B276-261

DESIGNED	A B WIEGAND	5-20-77	REFERENCE DRAWINGS		REVISIONS			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 CROSS INDEX OF DRAWINGS		
DRAWN	M F CRATTY	5-20-77	NUMBER	DESCRIPTION	DATE	BY								DESCRIPTION
CHECKED	A B WIEGAND	5-20-77			7/11/77	JLR		REDRAWN <input checked="" type="checkbox"/>	NO SCALE		Allb-G-5		M276-6	
APPROVED	<i>James E. Jones</i>	7-11-77			9/13/77	WKK		LISTED NEW DRAWINGS <input checked="" type="checkbox"/>						

LEGEND



IN CONTRACT A-11b OR AS NOTED



Handwritten signature

DESIGNED	P. S. CHU	7-19-74
DATE		
DRAWN	C. REID	7-21-74
DATE		
CHECKED	P. S. CHU	3-25-77
DATE		
APPROVED	H. B. ZACKRISON	3-25-77
DATE		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
S-1	KEY PLAN OF STRUCT DWGS
A-1	ABBREVIATIONS, GEN NOTES, LEGEND, KEY PLAN
M-1	KEY PLAN OF MECH DWGS

REVISIONS		
NUMBER	DATE	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

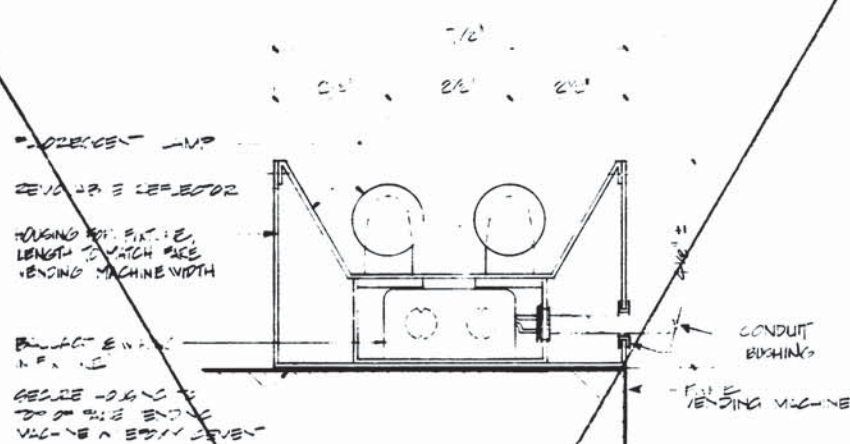
SUBMITTED *Jim Chastell* DATE *5/12/77* APPROVED *R. S. ...*

**ROCKVILLE ROUTE
KEY PLAN
ELECTRICAL DRAWINGS**

SCALE 1" = 400'

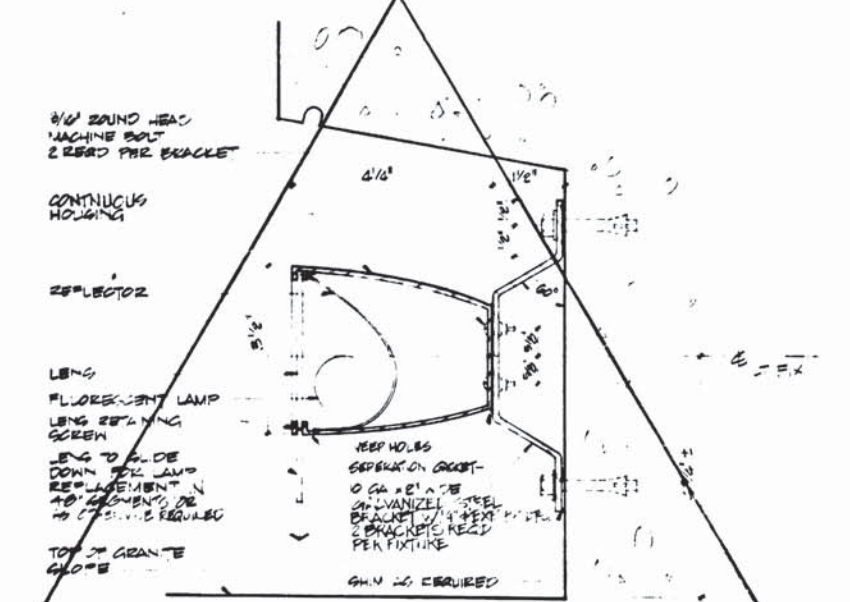
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M276-227

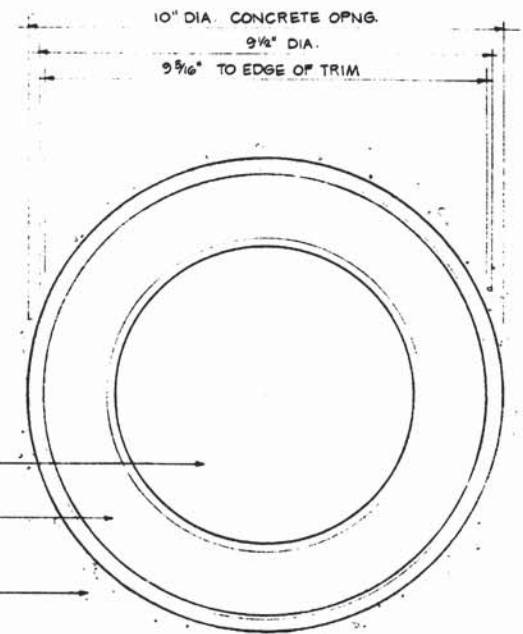


F-7 LIGHT FIXTURE

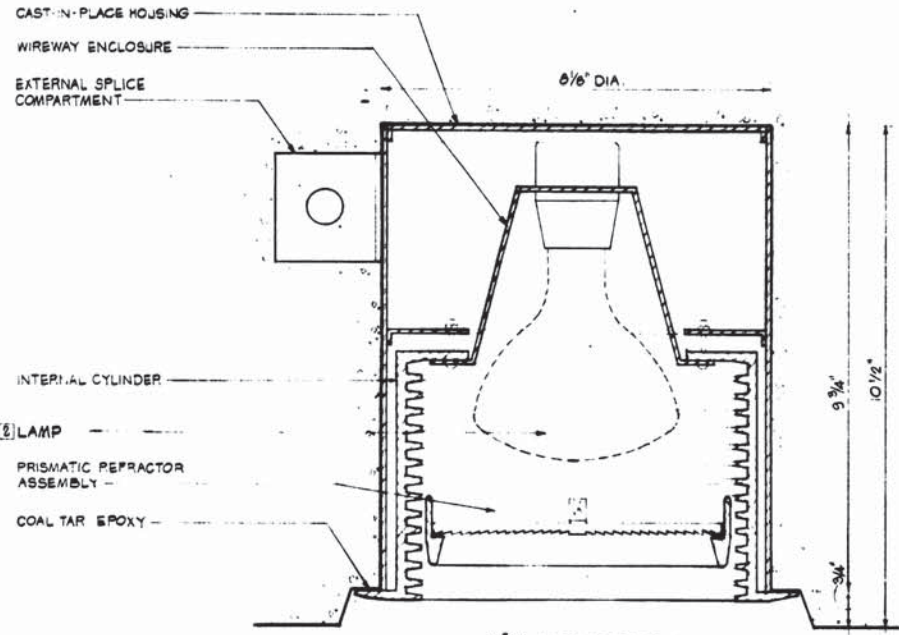
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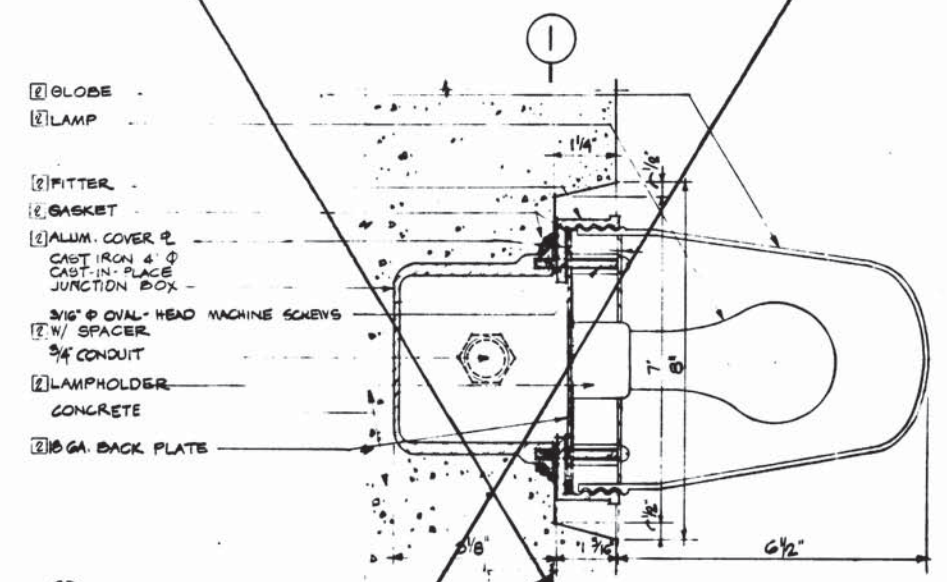


5 LIGHT FIXTURE ELEVATION SCALE: HALF FULL SIZE

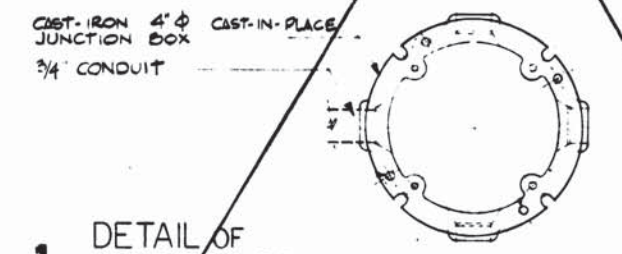


4 FIXTURE SECTION

S-12 LIGHT FIXTURE



2 FIXTURE SECTION SCALE: HALF-FULL SIZE



1 DETAIL OF JUNCTION BOX SCALE: HALF-FULL SIZE

NOT USED

S-11 LIGHT FIXTURE

Williamson

DESIGNED	H.W.A.	DATE	REFERENCE DRAWINGS		REVISIONS		
			NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	T.P.G./R.S.S. 76				1. 1. 74	REVISED SHEET LIGHT FIXTURE	1
CHECKED					2. 7. 75	ADD SPACER & KEYHOLE COORDINATION	2
APPROVED					3. 7. 75	REVISED LIGHT FIXTURE	3
					4. 7. 76	REVISED LIGHT FIXTURE	4

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED *Spencer Theodore 9/7/72* DIRECTOR OF ARCHITECTURE

APPROVED *Robert T. ... 7/1/72* CHIEF OF ENGINEERING AND OPERATIONS

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

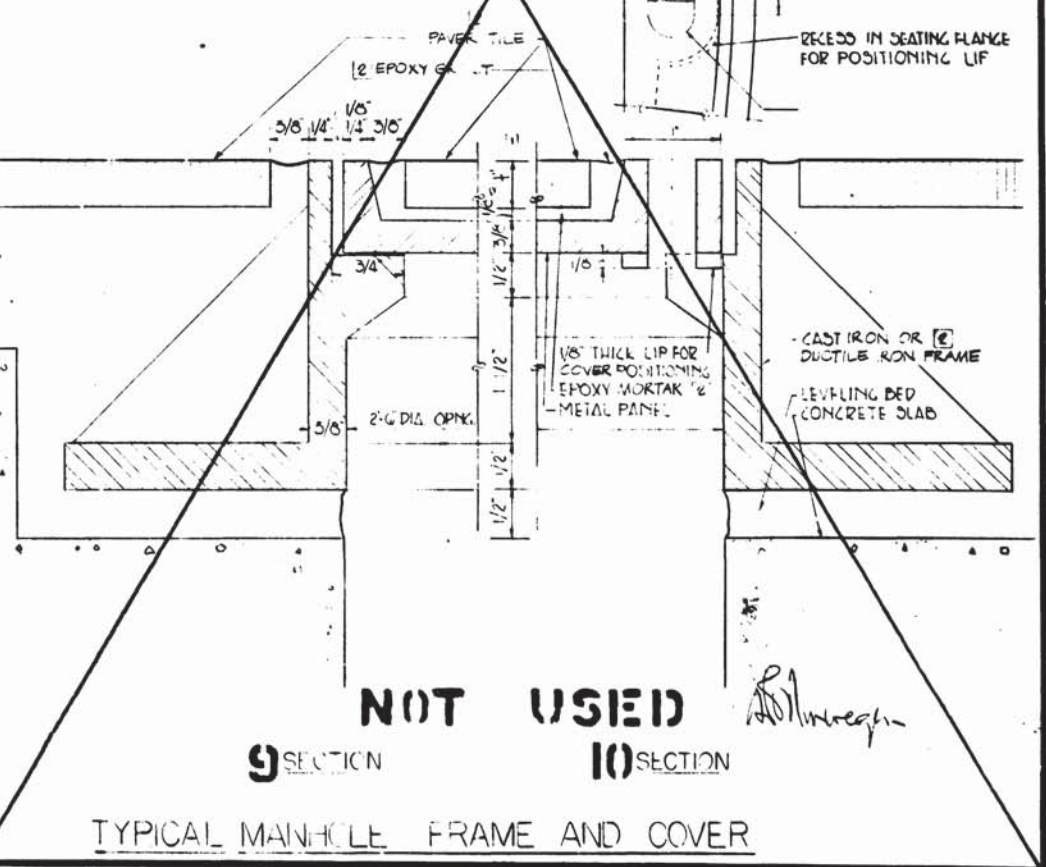
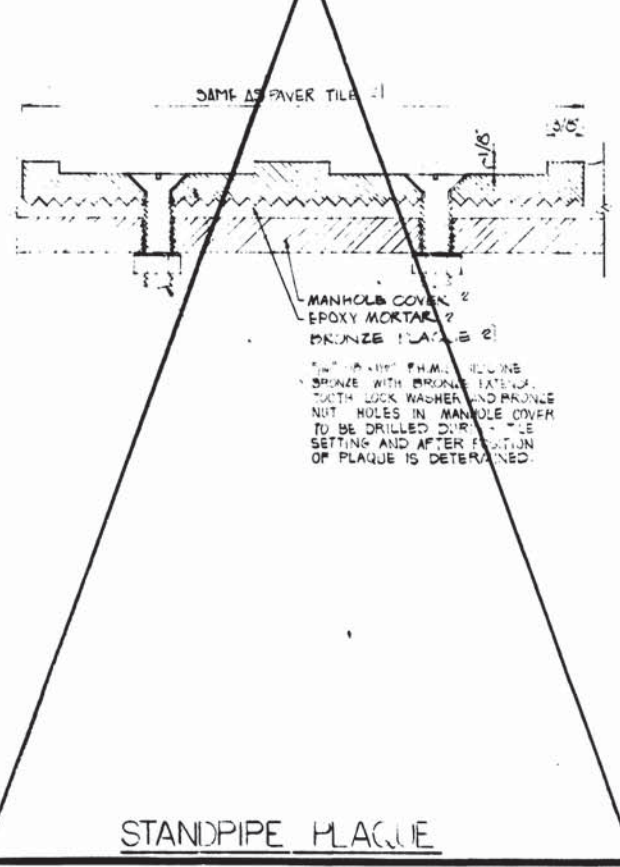
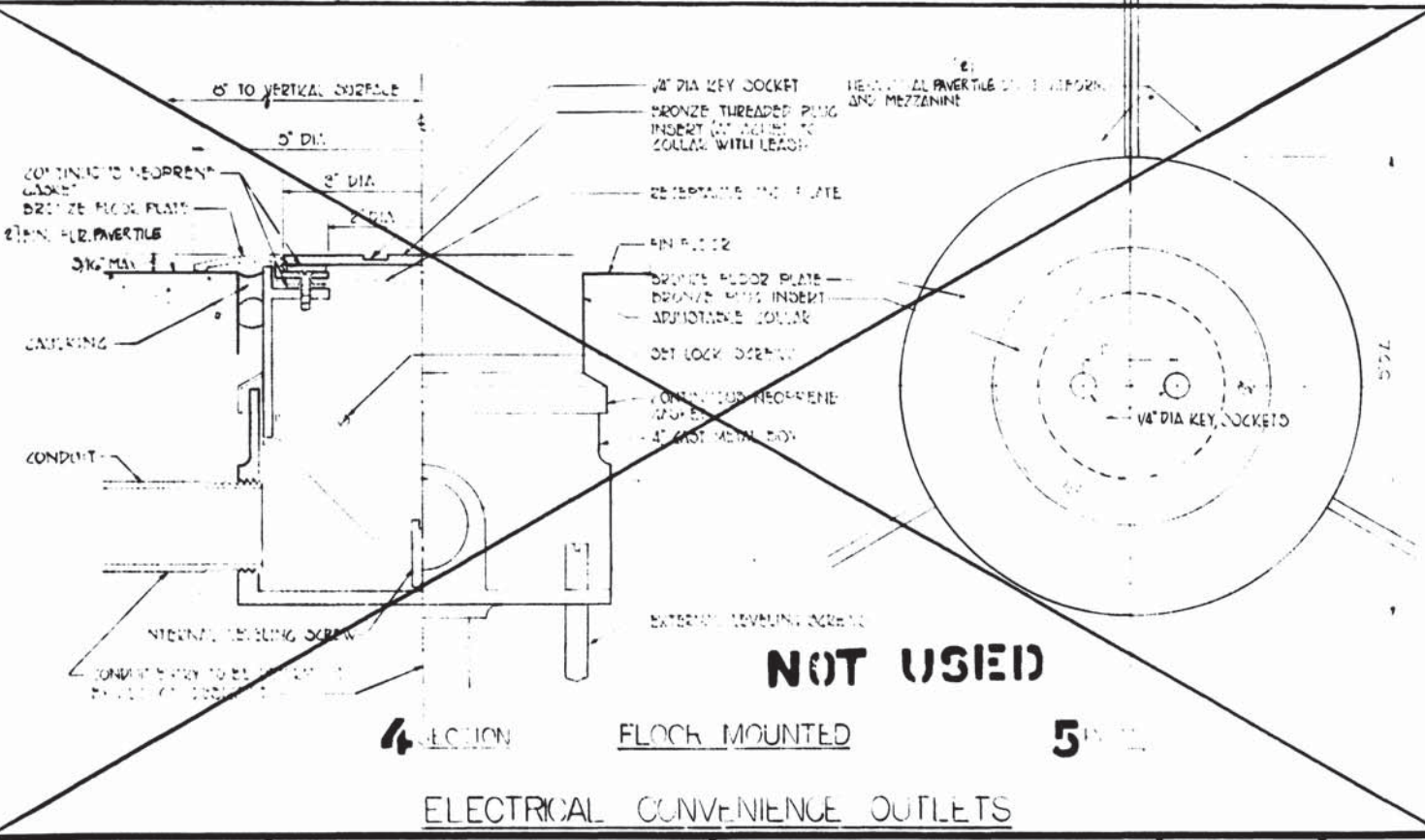
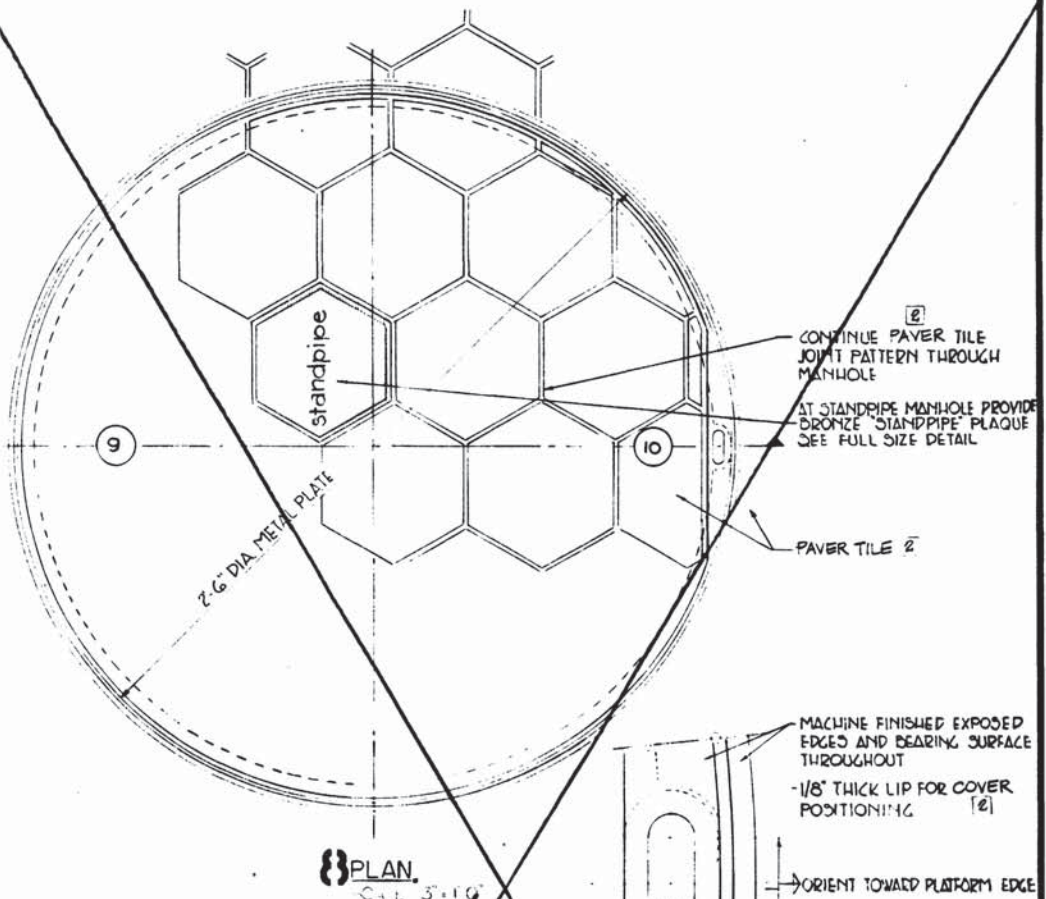
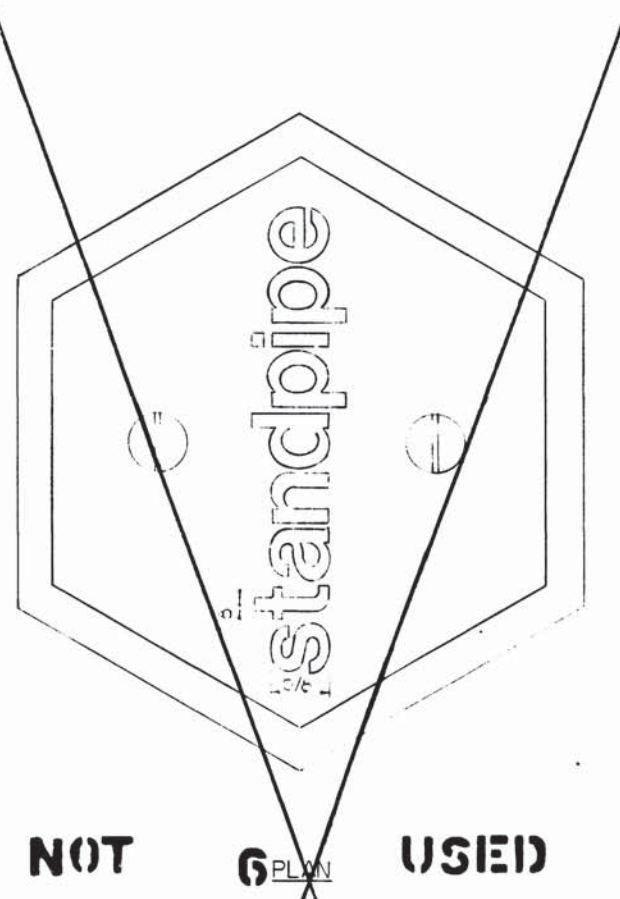
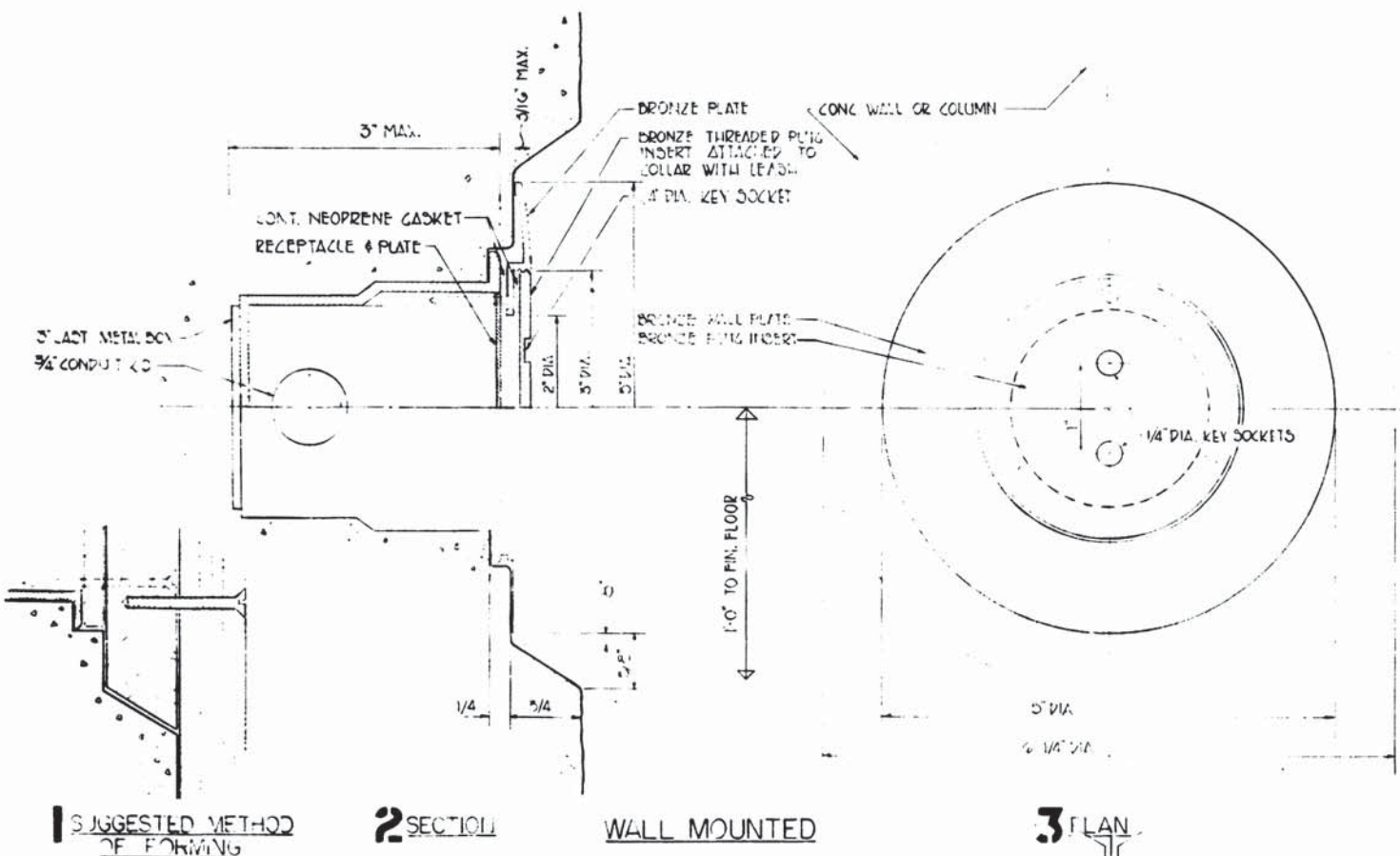
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

ARCHITECTURAL STANDARD DRAWING

LIGHTING FIXTURES
SECTION NO. A11b

SCALE AS SHOWN

DRAWING NO. ST-A-41 M276-190



ELECTRICAL CONVENIENCE OUTLETS

STANDPIPE PLAQUE

TYPICAL MANHOLE FRAME AND COVER

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
MAVA	5-25-72				
DRAWN	5-25-72				
CHECKED					
APPROVED					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED: *[Signature]* DIRECTOR OF ARCHITECTURE

APPROVED: *[Signature]* CHIEF OF ENGINEERING AND OPERATIONS

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

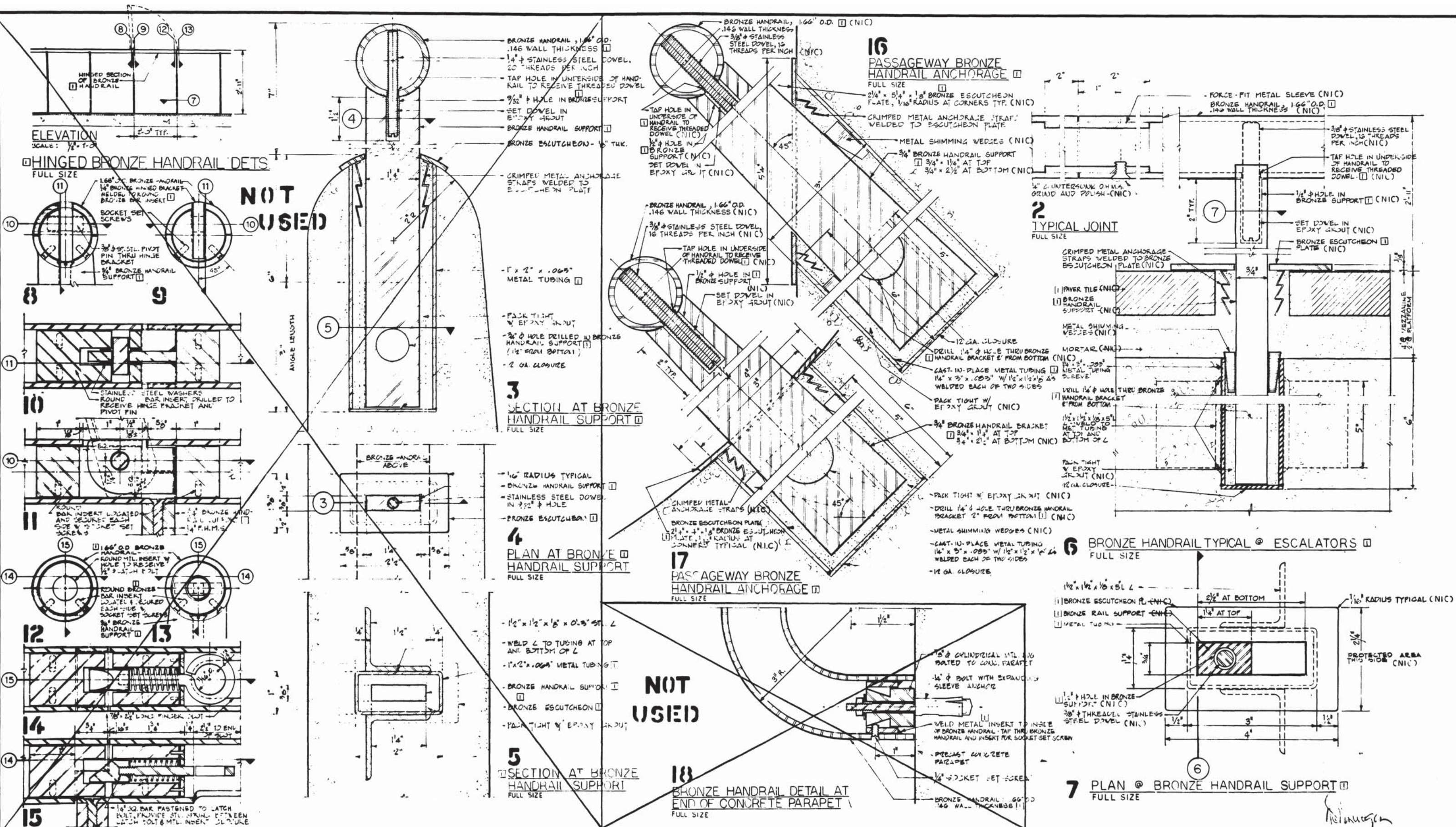
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

ARCHITECTURAL STANDARD DRAWING
OUTLETS, PLAQUE & MANHOLE
SECTION NO. A11B

SCALE: FULL SIZE UNLESS OTHERWISE SHOWN

DRAWING NO. ST-A-39

M276-189



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
1	DESIGNED	10-15-71	H.V.A.	10-15-71	10-15-71	ST	REVISED KEY MARKS
2	DRAWN	10-15-71	F.R.V. D.A.T.	10-15-71	10-15-71	ST	
3	CHECKED	10-15-71	J.S. T...	10-15-71	10-15-71	ST	
4	APPROVED	10-15-71	W...	10-15-71	10-15-71	ST	

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED *[Signature]* 12-1-71
DIRECTOR OF ARCHITECTURE

APPROVED *[Signature]* 12/1/71
CHIEF OF ENGINEERING AND OPERATIONS

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED *[Signature]* 10-15-71

ARCHITECTURAL STANDARD DRAWING

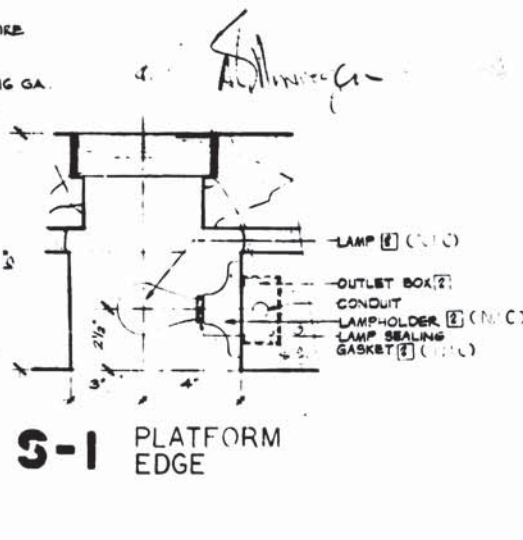
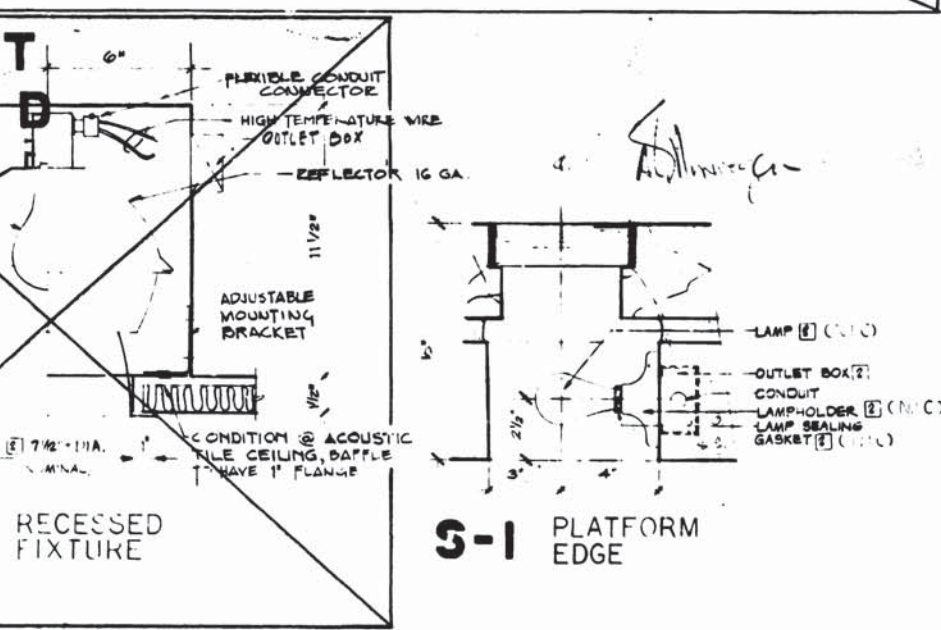
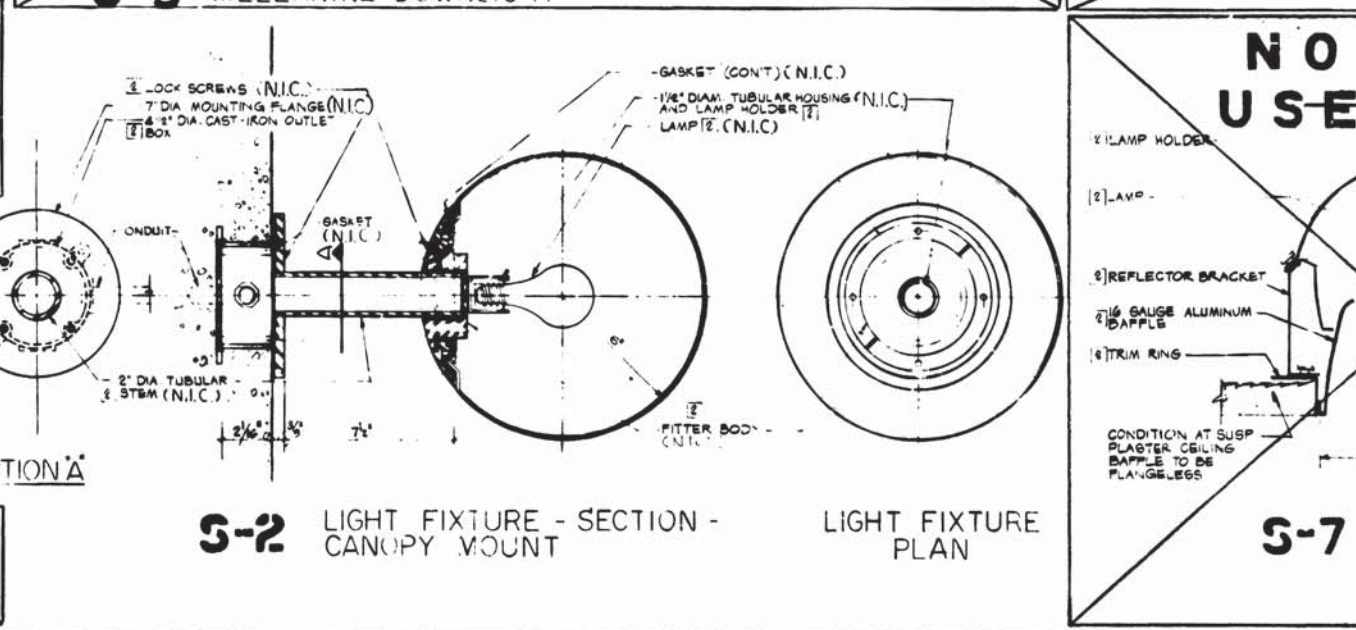
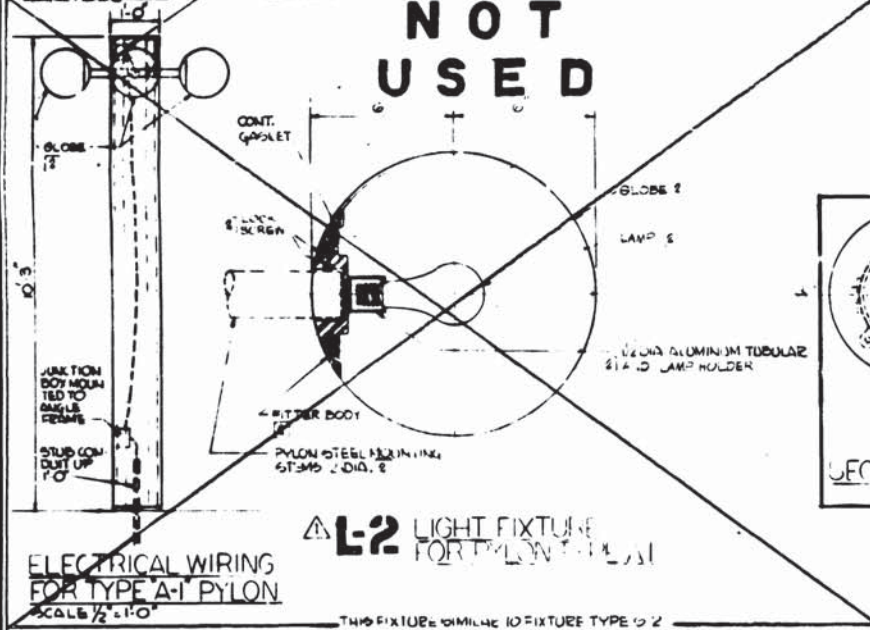
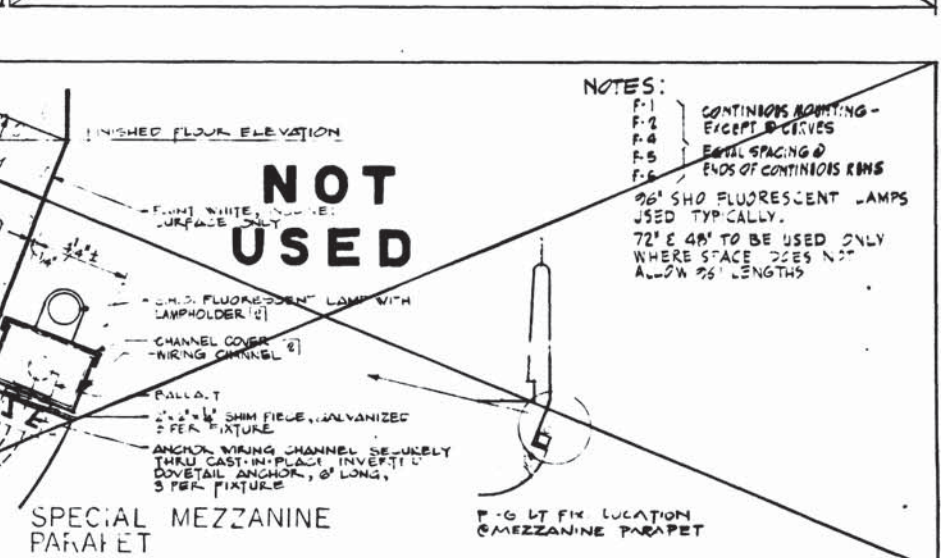
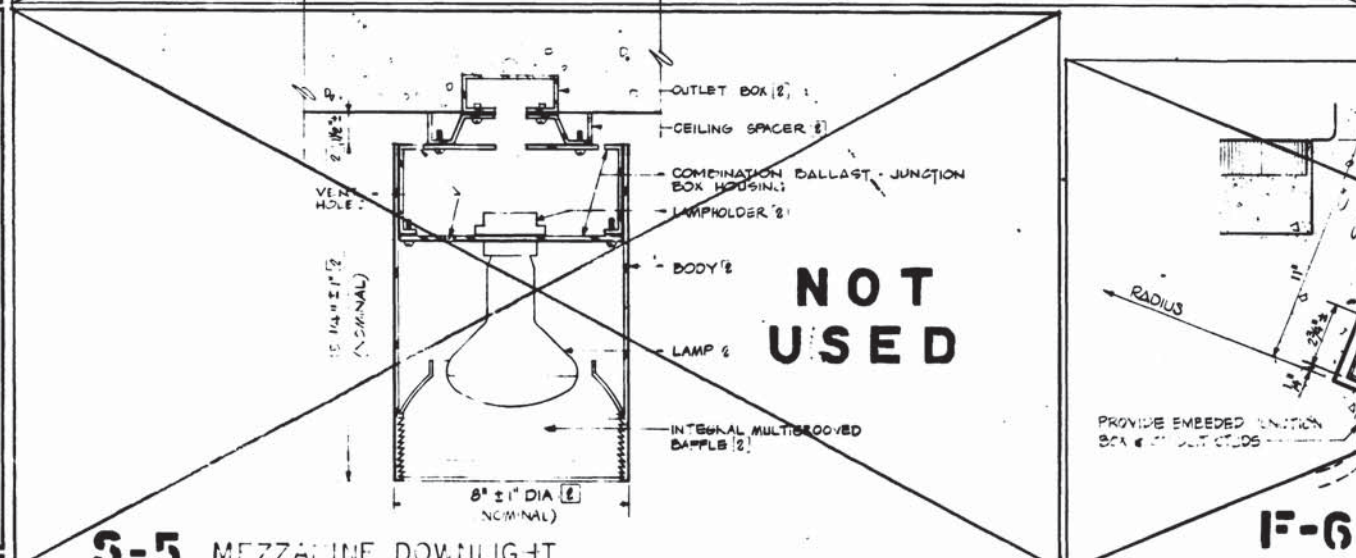
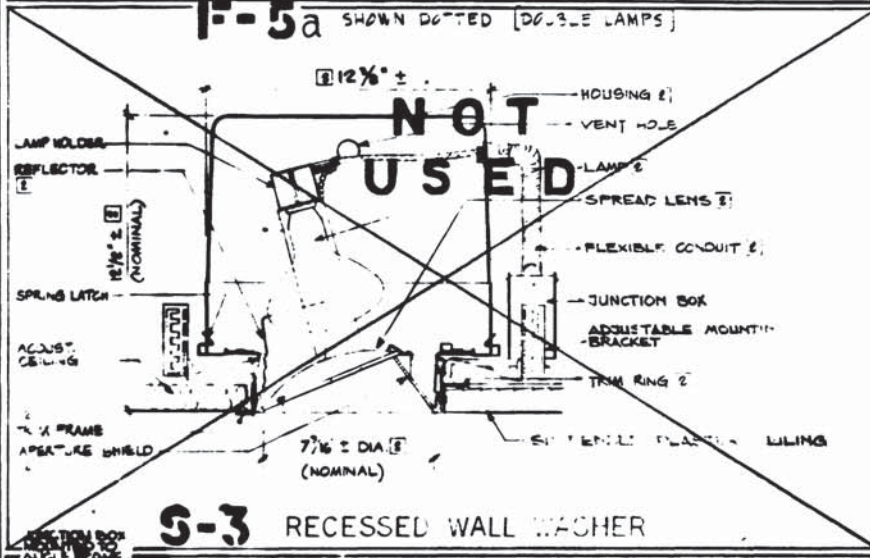
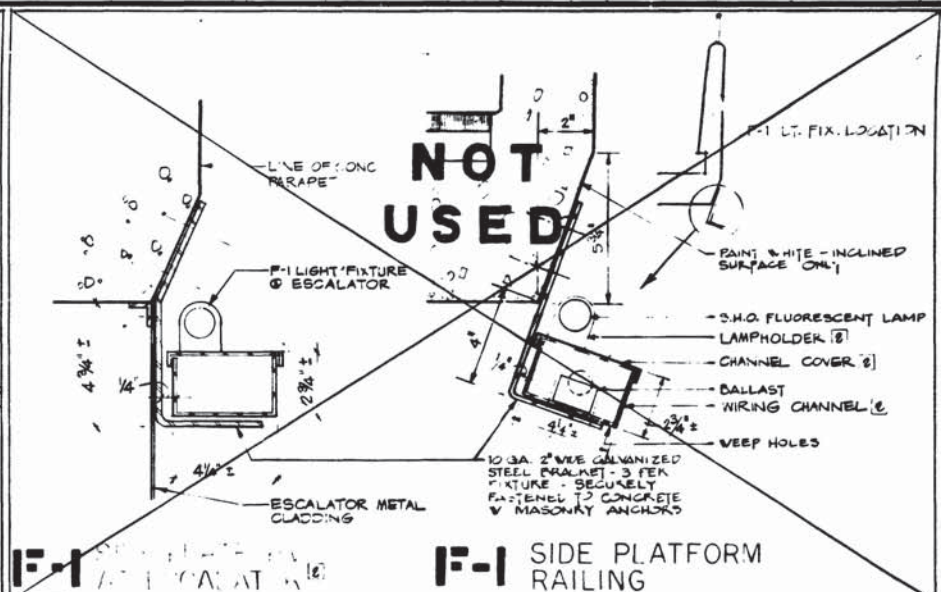
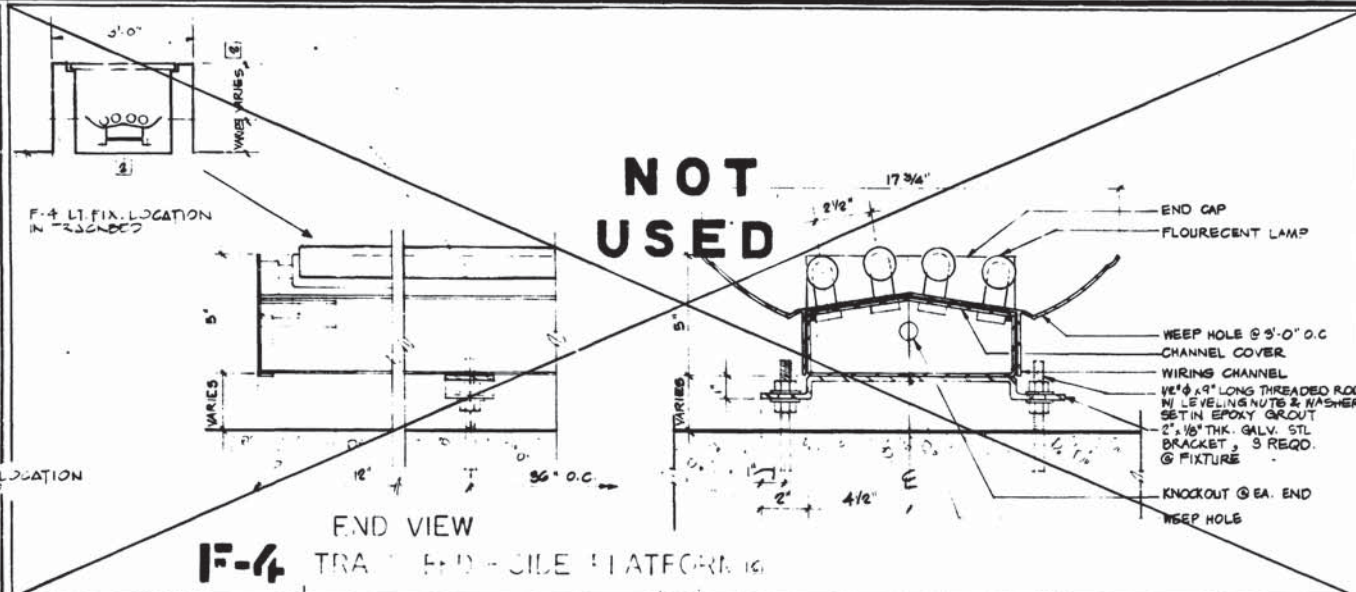
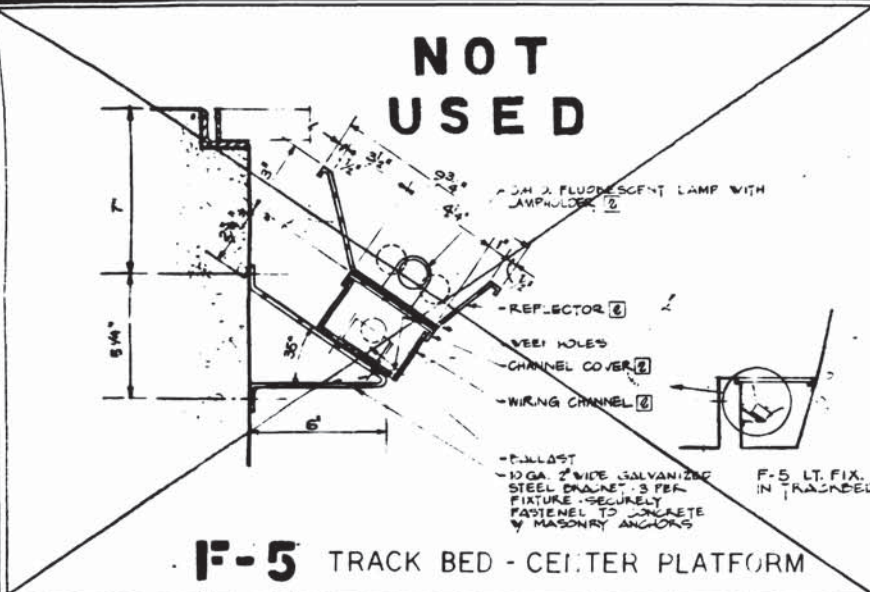
STATION - BRONZE HANDRAIL DETAILS

SECTION NO. A11B

SCALE: AS NOTED

DRAWING NO. ST-A-15

M276-188



NOTES:
 F-1 CONTINUOUS MOUNTING - EXCEPT @ CURVES
 F-2 EQUAL SPACING @ ENDS OF CONTINUOUS RAILS
 F-3 96\"/>

DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	REVISIONS
H.N.A. M.A.	6-5-71					
DRAWN	E.J.K. - I.A.T.					
CHECKED	A.S.T.					
APPROVED						

DATE	BY	DESCRIPTION
6-5-71		DELETED FIXTURES & ORIGINATED FIXTURES
6-15-71		GENERAL REVISION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED: *[Signature]* DIRECTOR OF ARCHITECTURE

APPROVED: *[Signature]* CHIEF OF ENGINEERING AND OPERATIONS

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

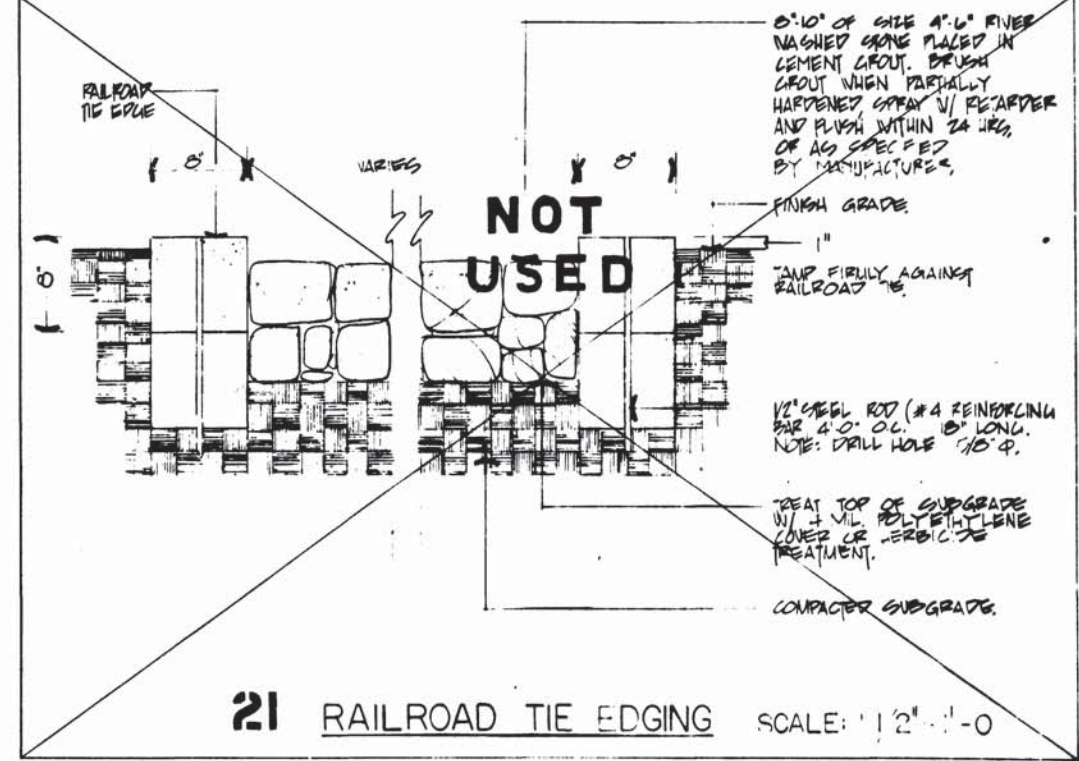
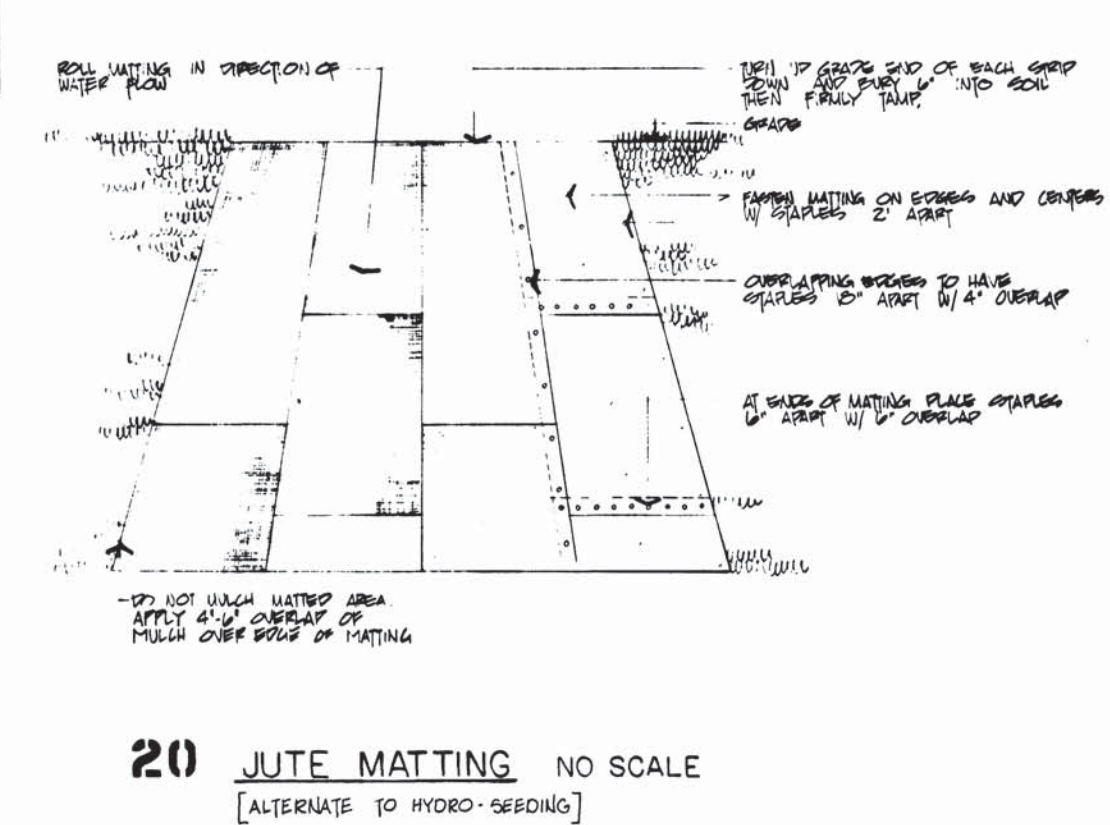
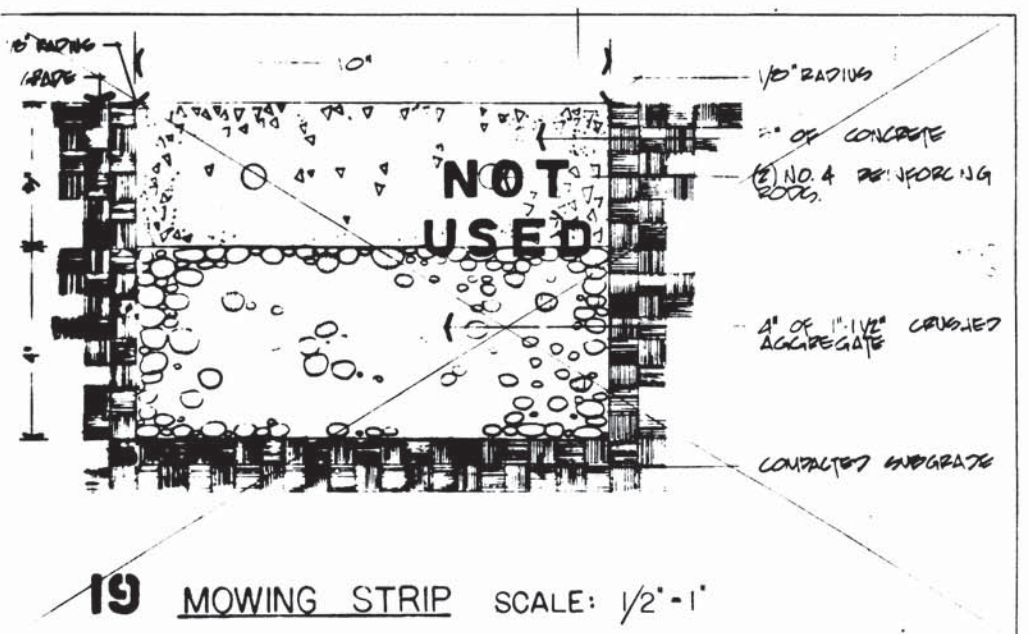
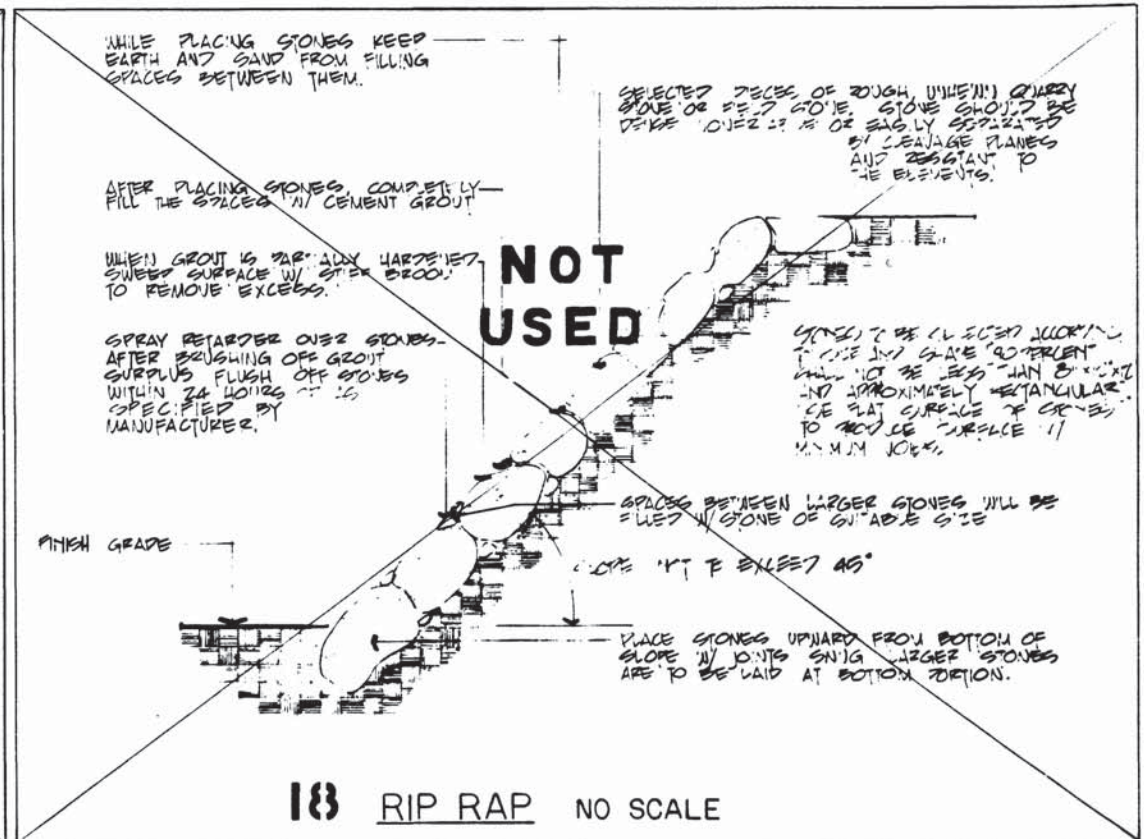
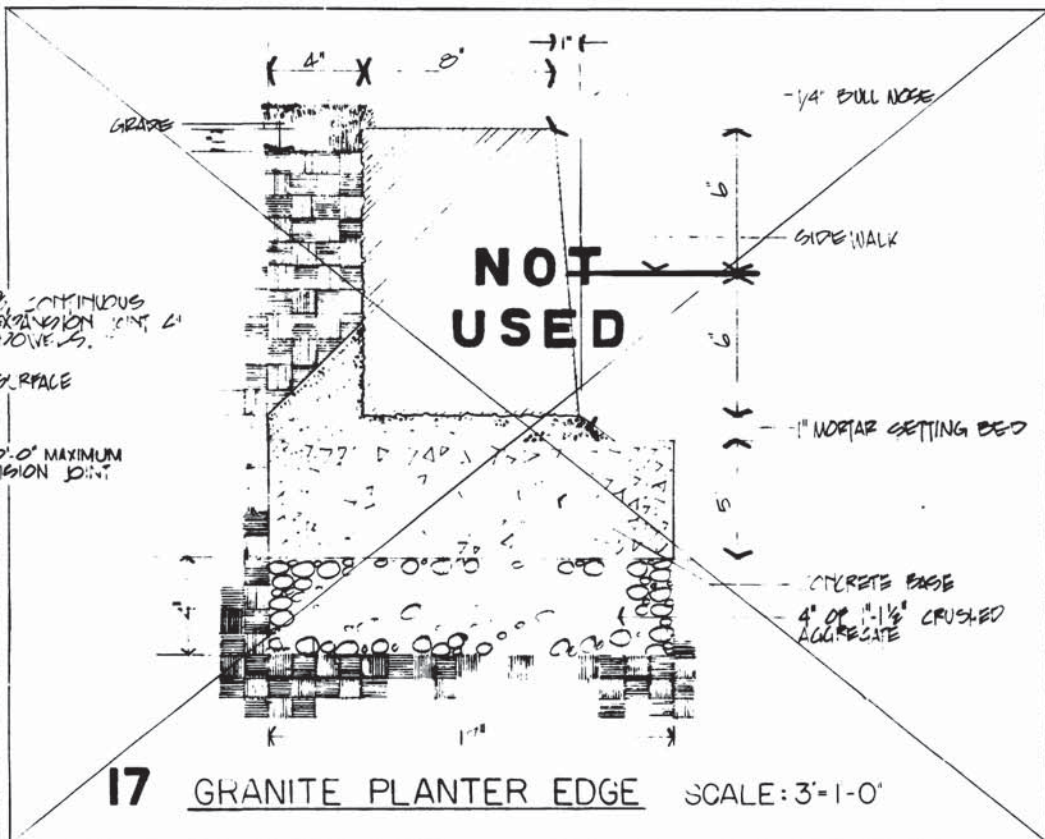
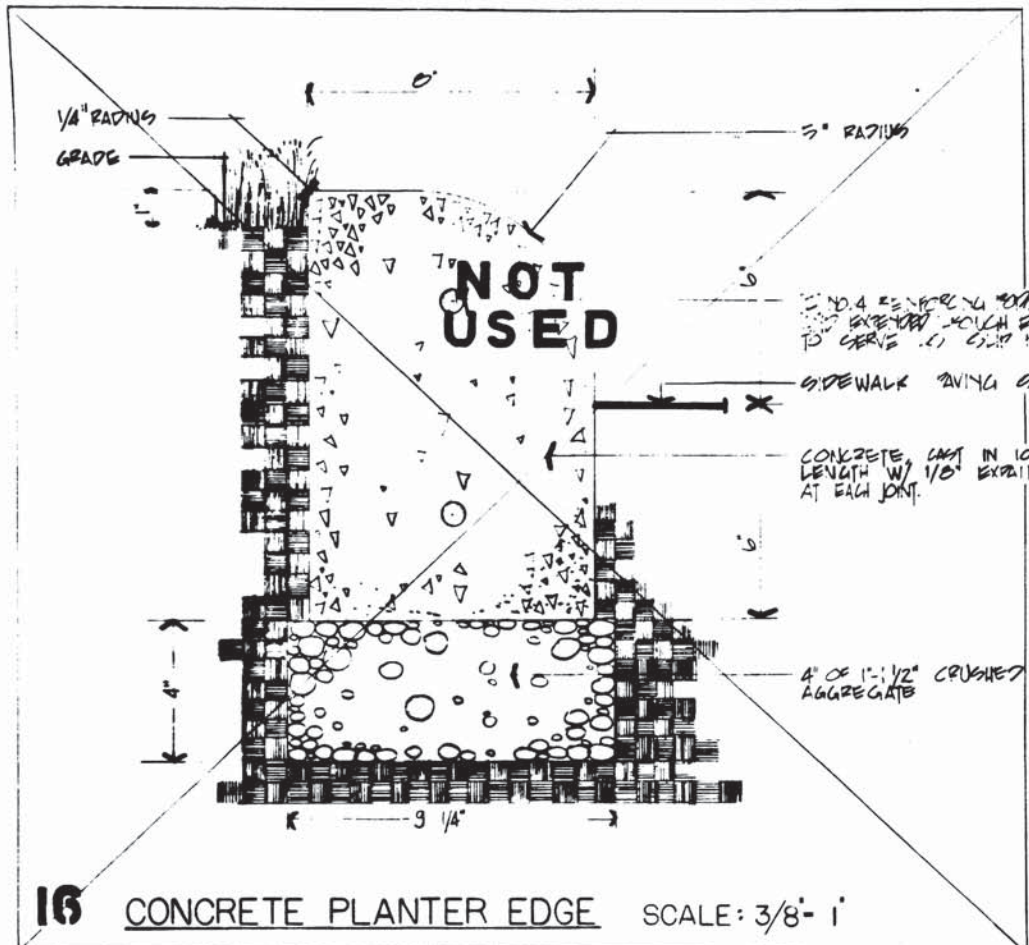
ARCHITECTURAL STANDARD DRAWING

LIGHTING FIXTURES
 SECTION NO. A11B

SCALE: AS SHOWN

DRAWING NO. ST-A 13

M276-187



DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
HWA	10-5-72					
DRAWN	CIM					
CHECKED	IPZ					
APPROVED	Minshaw					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED *Sprague Theohar 7-3-73*
DIRECTOR OF ARCHITECTURE

APPROVED *Ray T. Dole 7/3/73*
CHIEF OF DESIGN AND CONSTRUCTION

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED FOR STAFF ALIEN November 5, 1973

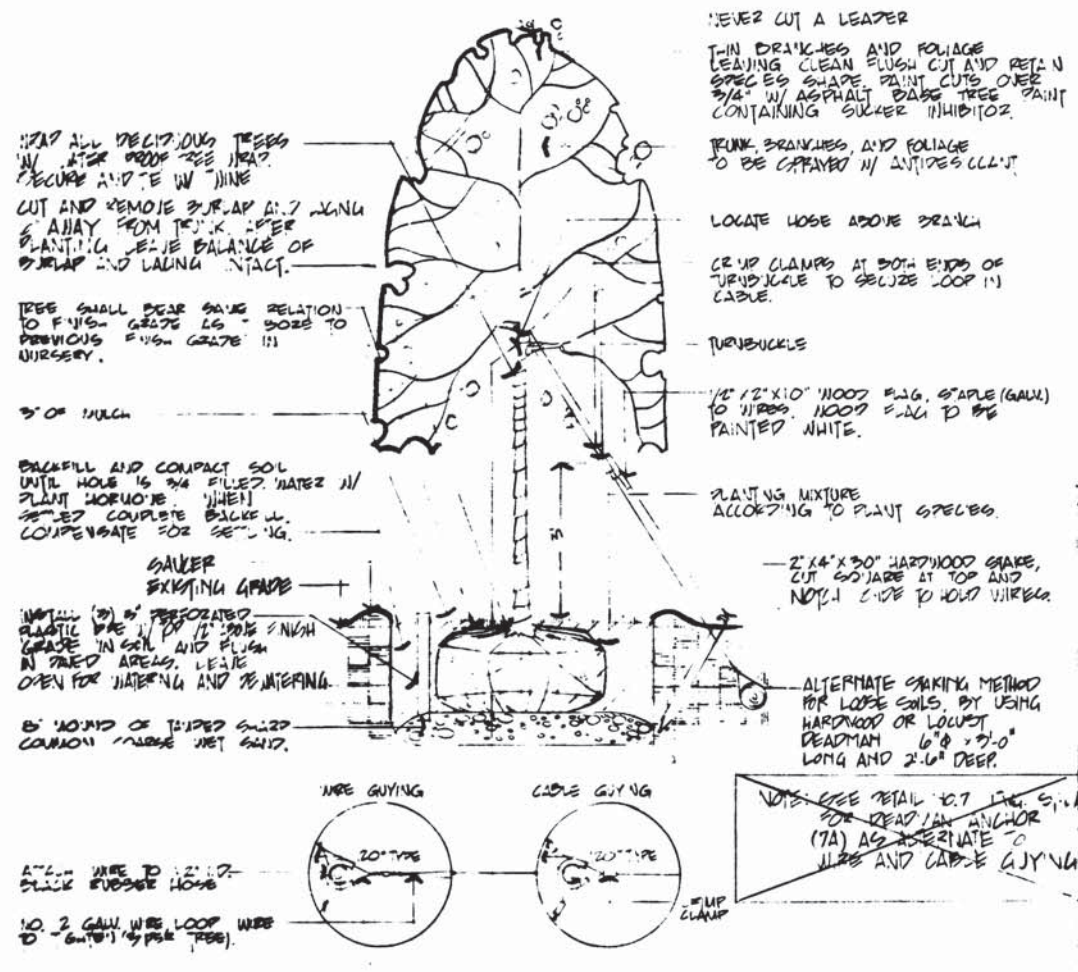
LANDSCAPE STANDARD DRAWING

EDGING AND SLOPE STABILIZATION
SECTION NO. A11b

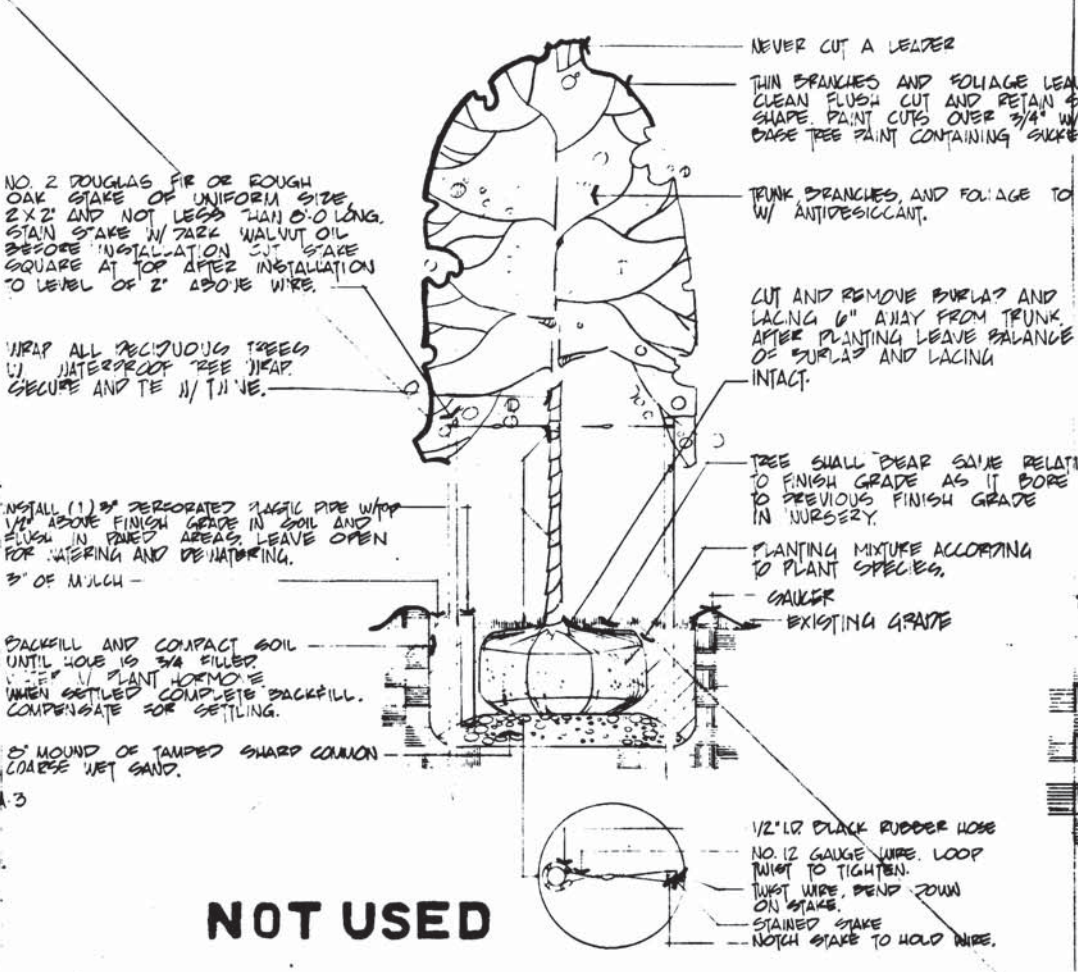
SCALE AS NOTED

DRAWING NO. **ST-LA-5**

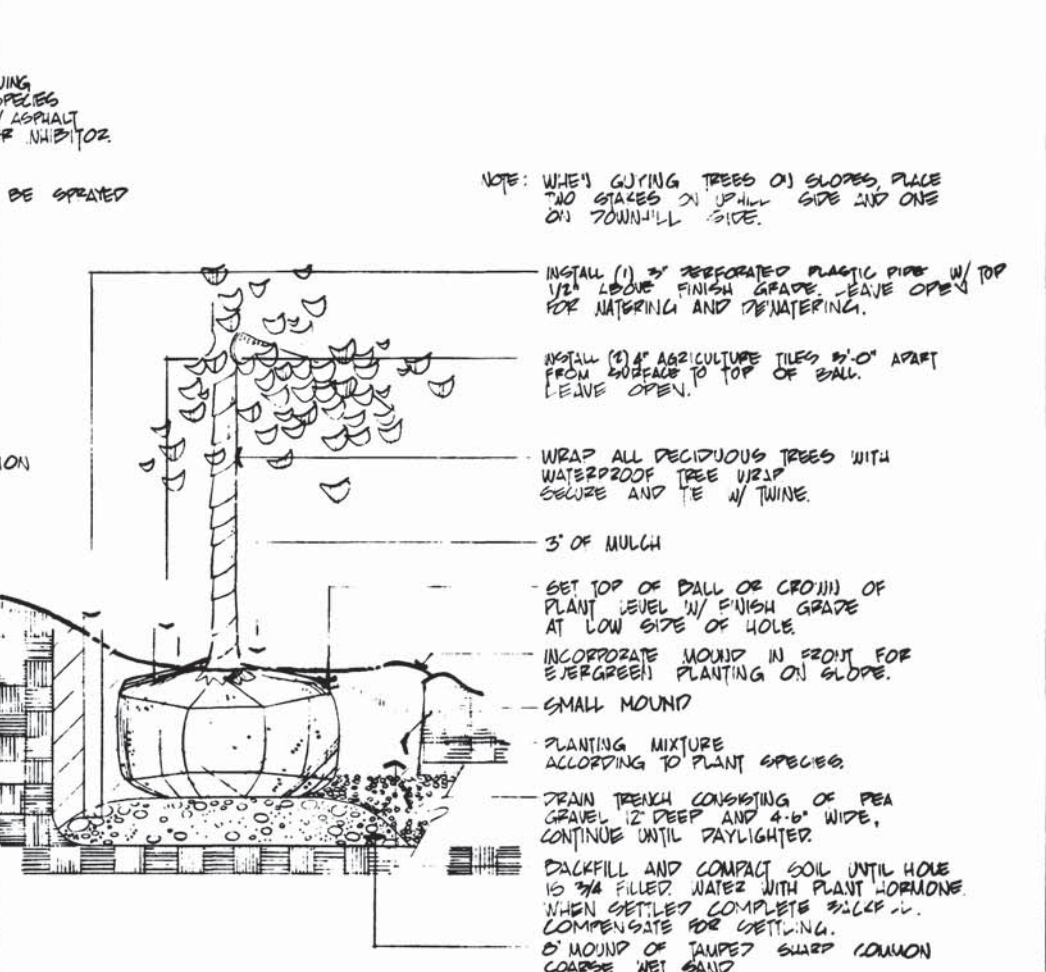
M276-186



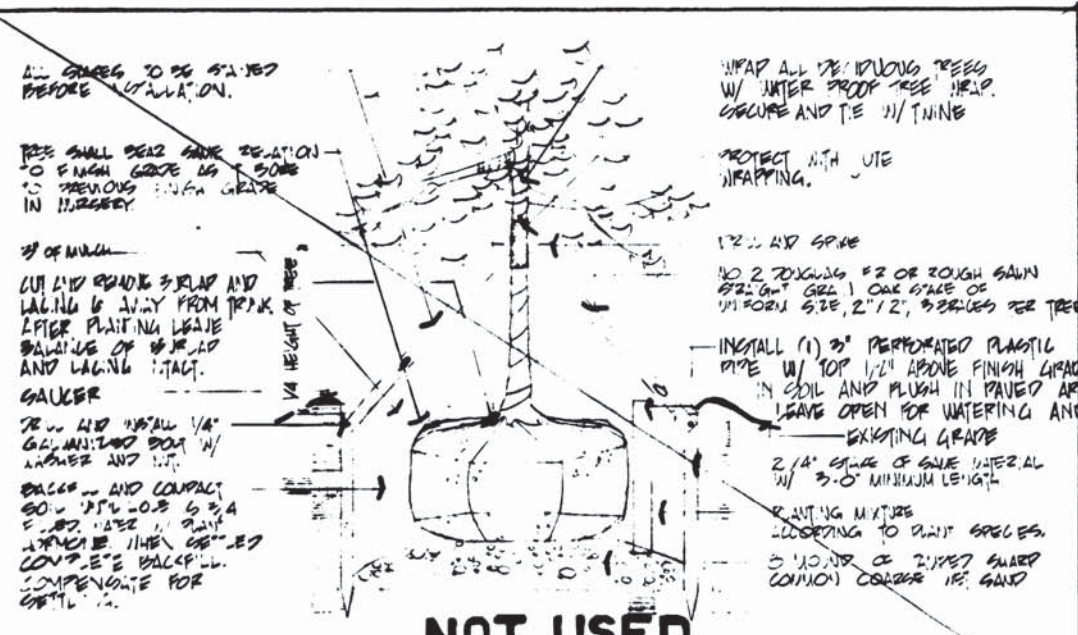
1 GUYING TREE PLANTING SCALE: 1/2" = 1'-0"



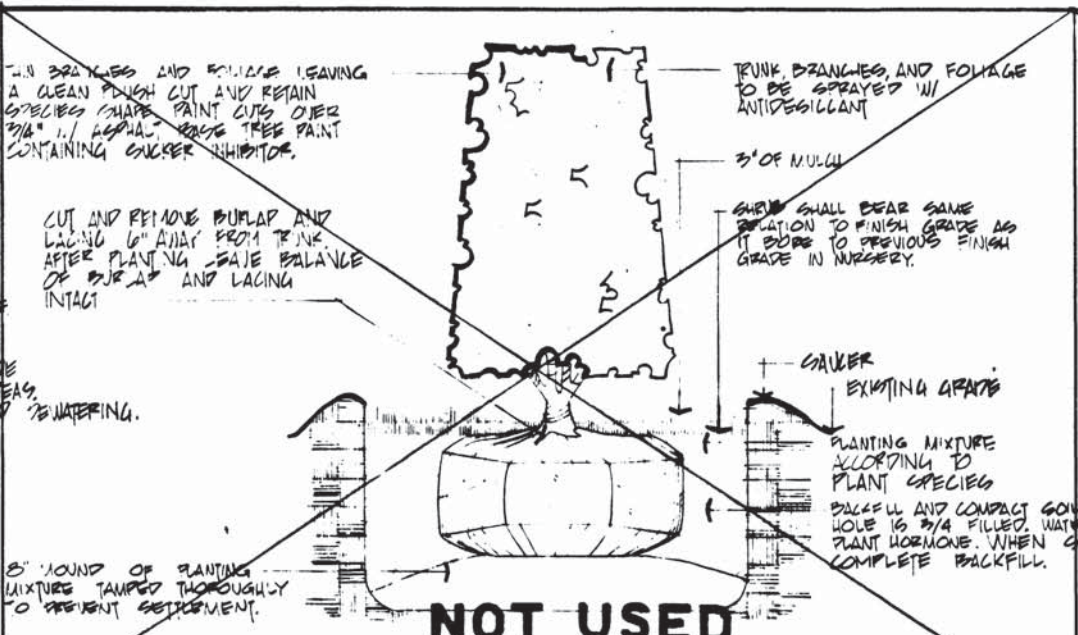
2 STAKING TREE PLANTING SCALE: 1/2" = 1'-0"



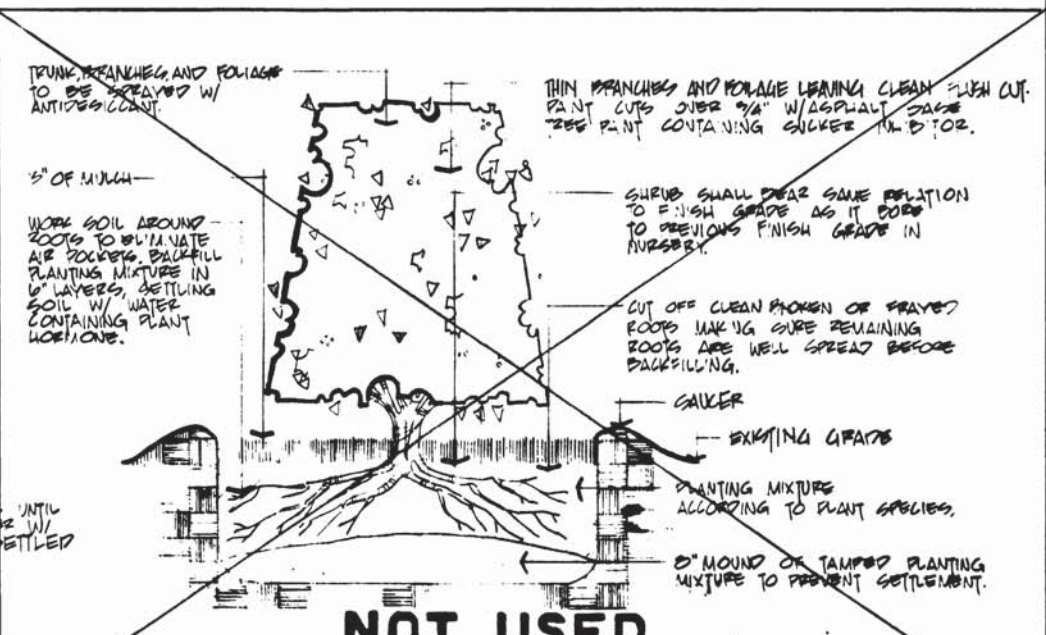
3 SLOPE PLANTING SCALE: 3/4" = 1'-0"



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



5 BALL AND BURLAP SHRUB PLANTING NO SCALE



6 BARE ROOT SHRUB PLANTING NO SCALE

DESIGNED	HWA	10-5-72	DATE	10-7-73	DATE
DRAWN	CIM				
CHECKED	JZ	6-20-73	DATE		
APPROVED	Hannan	6-28-73	DATE		

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED: [Signature] DIRECTOR OF ARCHITECTURE

APPROVED: [Signature] CHIEF DESIGN AND CONSTRUCTION

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

LANDSCAPE STANDARD DRAWING
TREE AND SHRUB PLANTING
SECTION NO. A11b

SCALE: AS NOTED

DRAWING NO. ST-LA-2

M276-185

PLANT AND MATERIALS KEY

	TREE TO BE REMOVED		NEW BROADLEAF EVERGREEN TREE
	SHRUBS TO BE REMOVED		NEW ACCENT BROADLEAF EVERGREEN TREE
	HEDGE TO BE REMOVED		EXISTING SHRUBS TO REMAIN
	EXISTING DECIDUOUS TREE		NEW DECIDUOUS SHRUBS
	EXISTING DECIDUOUS TREE TO REMAIN W/ TREE GRATE		NEW EVERGREEN SHRUBS
	NEW DECIDUOUS TREE		EXISTING HEDGE TO REMAIN
	NEW DECIDUOUS TREE W/ TREE GRATE		NEW DECIDUOUS HEDGE
	NEW PLOWING DECIDUOUS TREE		NEW EVERGREEN HEDGE
	NEW PLOWING DECIDUOUS TREE W/ TREE GRATE		NEW GROUNDCOVER
	NEW ACCENT DECIDUOUS TREE		GRASS AREA [TO BE NOTED]
	EXISTING NEEDLE EVERGREEN TREE TO REMAIN		MULCH AREA [TO BE NOTED]
	NEW NEEDLE EVERGREEN TREE		GRAVEL [TO BE NOTED]
	NEW ACCENT NEEDLE EVERGREEN TREE		CRUSHED STONE [TO BE NOTED]
	EXISTING BROADLEAF EVERGREEN TREE TO REMAIN		RIP-RAP [TO BE NOTED]
			CONCRETE [TO BE NOTED]
			EXPANDED ACQUIRE GATE [TO BE NOTED]
			GRANITE
			BRICK

SYMBOLS

	NORTH ARROW
	GRAPHIC SCALE
	LIMIT OF LANDSCAPING
	CENTER LINE OF TRACK
	WMATA SURFACE REQUIREMENTS
	PROPERTY LINE
	FENCE LINE
	STREAM
	EXISTING CONTOUR
	NEW CONTOUR
	MOVING STRIP
	CURB
	DETAIL REFERENCE
	DETAIL SECTION
	ELEVATION/SECTION
	BUS SHELTER
	HANDICAPPED ELEVATOR
	BUILDING TO REMAIN
	BUILDING TO BE REMOVED
	BENCH
	TRASH RECEPTACLE
	PYLON

	PEDESTRIAN CROSSWALK		PEDESTRIAN CROSSWALK AND CURB CUT
	VEHICULAR TRAFFIC DIRECTION		4-1/4 LIGHT
	4-2 LIGHT		4-3/4 LIGHT
	TRAFFIC LIGHT ON STREET POLE		TRAFFIC LIGHT ON POLE, NO STREET LIGHT
	STREET LIGHT		UTILITY POLE
	PEDESTRIAN SIGNS		VENT
	ELEVATION-EXISTING GRADE		ELEVATION-NEW GRADE
	ELEVATION-SECTION		DIMENSION/DIRECTION POINT
	SITE GRAPHIC LOCATION		TELEPHONE BOOTH

LANDSCAPE ABBREVIATIONS

B.B.	BALL AND PURLAP
B.R.	BASE ROOT
CAL.	CALIPER
DEC.	DECIDUOUS
IRR.	IRRIGATION
L.A.	LANDSCAPE ARCHITECT
N.P.S.	NATIONAL PARK SERVICE
P.W.V.	PARKWAY
R.O.V.	RIGHT OF WAY
ST.	STATION
SP.	SPECIES
TOP.	TOPOGRAPHY

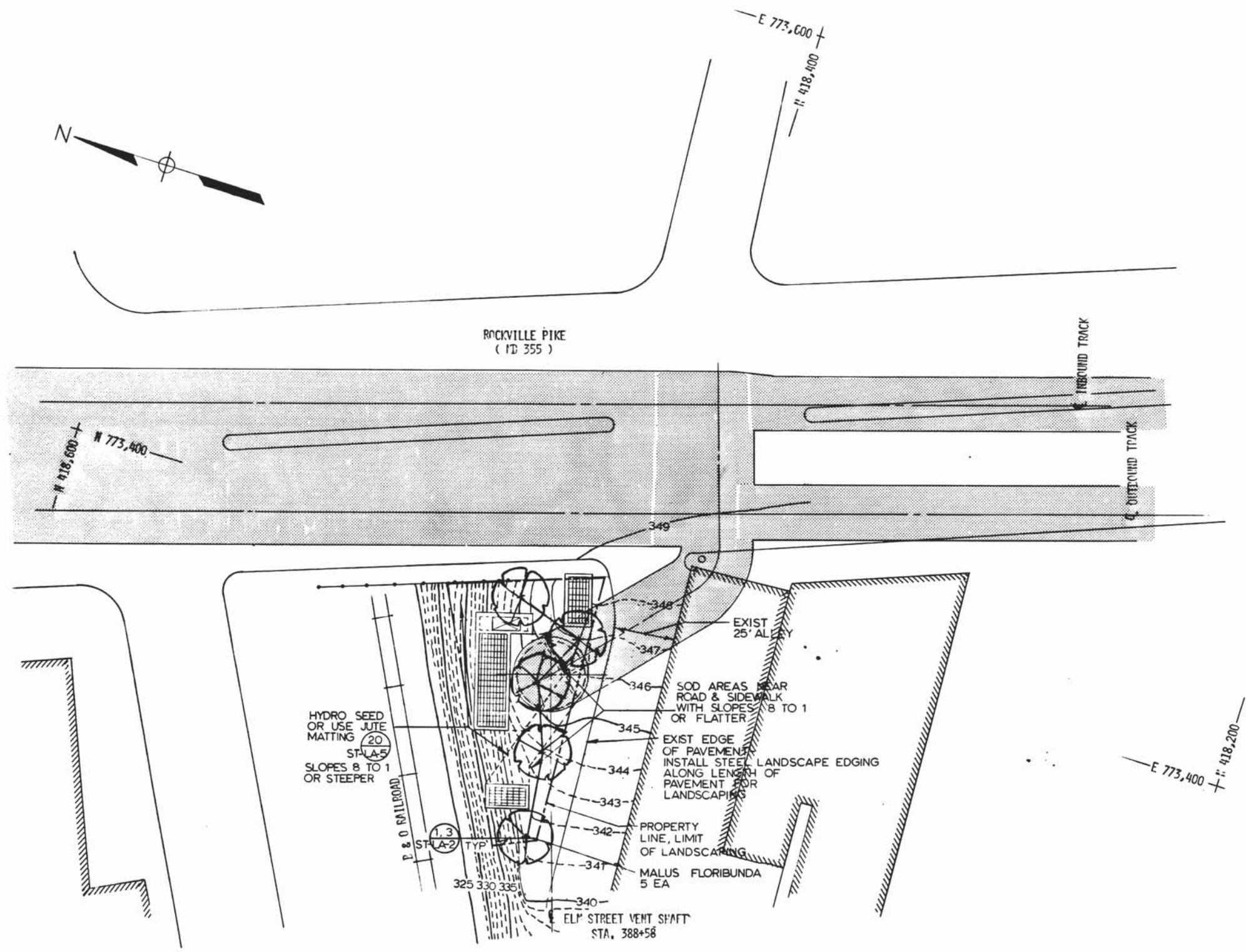
GENERAL NOTES

- DESCRIPTION OF TERMINOLOGY USED:
 - AREAS TO BE LANDSCAPED: AREAS WITHIN PERMANENT SURFACE FACEMENT WHICH WILL RECEIVE PERMANENT LANDSCAPING AND BE MAINTAINED BY WMATA AND ALL AREAS AFFECTED BY CONSTRUCTION WHICH WILL REQUIRE LANDSCAPE RESTORATION.
 - EXISTING VEGETATION: AN INDIVIDUAL TREE OR GROUP OF TREES, SHRUB OR GROUP OF SHRUBS, AND/OR GROUNDCOVER THAT IS TO REMAIN INTACT AND MAY NEED PROTECTION AND MAINTENANCE BECAUSE OF ITS LOCATION IN RELATION TO CONSTRUCTION, OR BECAUSE OF SPECIAL CHARACTER OF QUALITY.
 - NEW VEGETATION: AN INDIVIDUAL TREE OR GROUP OF TREES, SHRUB OR GROUP OF SHRUBS, AND/OR GROUNDCOVER WHICH IS TO BE INCORPORATED INTO THE SITE.
 - VEGETATION TO BE REMOVED: AN INDIVIDUAL TREE OR GROUP OF TREES, SHRUB OR GROUP OF SHRUBS, AND/OR GROUNDCOVER WHICH IS TO BE COMPLETELY REMOVED FROM THE SITE.
 - SPECIMEN: AN EXCEPTIONAL TREE, SO TRAINED OR FAVORED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY AND OUTSTANDINGLY SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY.
 - SPREAD: MINIMUM ACCEPTABLE MEASURED WIDTH OF THE BRANCHING STRUCTURE OF A TREE OR SHRUB.
 - CALIPER: MEASURED DIAMETER OF TREE TRUNK TAKEN 4 INCHES ABOVE GROUND LEVEL UP TO AND INCLUDING 4 INCH CALIPER Girth, AND 12 INCHES ABOVE THE GROUND LEVEL FOR LARGER SIZES.
 - VIEW: VISUAL SIGHTLINES.
- VEGETATION TO REMAIN WHICH IS DAMAGED OR IMPAIRED SHALL BE COMPENSATED FOR AS SET FORTH IN THE MANUAL OF LANDSCAPE DEVELOPMENT STANDARDS.
- NEW TREES OR SHRUBS WHICH MAY CAUSE VISUAL OBSTRUCTIONS SHALL BE LOCATED A MINIMUM OF 40'-0" FROM STREET CORNERS.
- PARKING LOTS SHALL BE LIMITED TO PARKING AREAS OF NOT MORE THAN 500 CARS EACH AND SHALL BE SEPARATED BY LANDSCAPING, CHANGES OF GRADES, BUILDINGS, OR OTHER NATURAL OR ARTIFICIAL MEANS. NOT LESS THAN 5% OF THE TOTAL PARKING AREAS OF ANY LOT SHALL BE DEVOTED TO INTERNAL LANDSCAPING AND INTERNAL PARKING SEPARATION AREAS.
- ALL LIMITS OF LANDSCAPING SHALL BE DEFINED AND VERIFIED BY THE SECTION DESIGNER.

NOT USED

Williamson

DESIGNED H.V.A. DATE 6/73	REFERENCE DRAWINGS NUMBER DESCRIPTION DATE	REVISIONS BY DESCRIPTION DATE	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY APPROVED <i>Sprague Thresher</i> 7.3.73 DIRECTOR OF ARCHITECTURE WMATA APPROVED <i>Ray T. Dwyer</i> 7/3/73 CHIEF OF DESIGN AND CONSTRUCTION		DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT APPROVED FOR STAFF ALIAN <i>Williamson S. Thresher</i> 6.28.73	LANDSCAPE STANDARD DRAWING KEY, SYMBOLS, ABBREVIATIONS, & NOTES SECTION NO. A11b SCALE NONE DRAWING NO. ST-LA-1 M276-184
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PLANT LIST

ITEM NO	BOTANIC NAME COMMON NAME	QUANTITY	SIZE (AGE)	MINIMUM ROOT SIZE (DIA X DPTH)	HEIGHT RANGE	MINIMUM CALIPER	MINIMUM BRANCH SPREAD	MINIMUM DIAMETER DEPTH OF ROOT IF SPEC	MINIMUM ROOT SPREAD	MINIMUM NO OF CONES	B & B (P)	ROOT	CONT	BUYING REQT	REMARKS
1	MALUS FLORIBUNDA / FLOWERING CRAB	5	8'-10"	3'-0" x 9'-0"	8'-10"	2 1/2"	6'	15"			B&B			YES	ST-LA-2-DET 1,3

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
B. SCHWARZ	11-23-75	G-17	ELM ST VENT SHAFT			
R. VASA	11-30-75	R-16	RIGHT OF WAY			
M. MAHAN	3-25-77	D-212	ELM ST VENT SHAFT			
J. KRESS	3-25-77					



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 *Jim Watson* DATE *5/1/77* APPROVED *Kate...*

ROCKVILLE ROUTE
RESTORATION-LANDSCAPING PLAN
ELM STREET VENT SHAFT

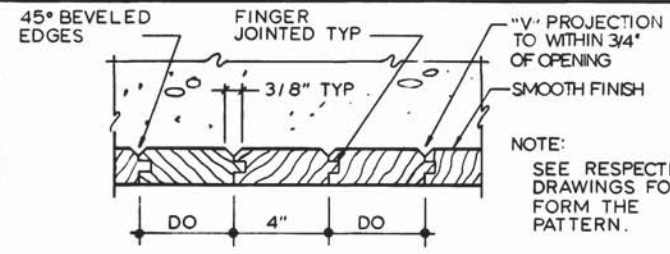
SCALE: 1" = 20'

DRAWING NO. **A11b-LA-6** M276-181

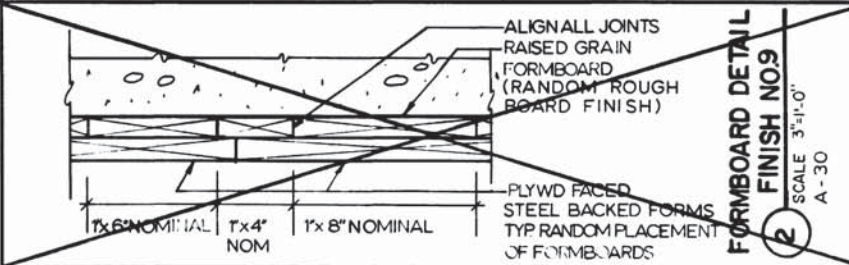
LOCATION	STRUCTURE	CONCRETE		FORM TYPES				FINISH TYPES						REMARKS	
		LIGHT GREY CEMENT CONCRETE		FIBER GLASS, PLASTIC COATED PLYWOOD OR STEEL	UNCOATED PLYWOOD	4" VERTICAL FORMBOARD	RANDOM ROUGH BOARD	NO. 1 FORM FINISH	NO. 2 WETRUBBED FINISH	NO. 3 BROOMED FINISH	NO. 4 STEEL TROWELED	NO. 5 WOOD FLOAT FINISH	NO. 6 SANDBLAST SEALER FINISH		
		POURED IN PLACE	PRECAST												
BELOW GRADE	ELEVATOR VESTIBULE WALLS & CEILING	●		●				●						NOTE 1: SYMMETRICAL FORM TIE SPACING W/TIE CONES - TIE HOLES FILLED WITH MATCHING CONCRETE TO WITHIN 1/4" OF SURFACE BEFORE FINISHING	
	ESCALATORWAY VAULT	●		●				●						NOTE 1	
	ESCALATORWAY SERVICE STAIRS	●							●						
	PASSAGEWAY-WALLS INCLUDING COVES	●		●				●						NOTE 1 / NOTE 2: FORM FINISH NO. 1 ONLY FOR WALLS & CEILINGS WHERE COVERED BY OTHER MATERIAL, ACOUSTIC PANELS OR PRECAST CONCRETE	
	ESCALATORWAY END WALL	●			●			●							
	PLATFORM SOFFITS	●			●			●							
	PLATFORM & MEZZANINE PARAPETS (N.I.C.)		●	●									●		
	PRECAST & POURED IN PLACE STATION VAULT	●	●	●				●							NOTE 3: NO SANDBLASTING REQUIRED WHERE CONCRETE IS COVERED BY ACOUSTIC PANELS
	STATION END WALLS	●					●								NOTE 1 / NOTE 4: NO. 7 NATURAL BOARD FINISH-SEE DETAIL (1) (1)
	TUNNEL - WALLS & CEILINGS BEYOND END OF PLATFORMS	●			●			●							
	MEZZANINE COLUMN CLADDING (N.I.C.)		●	●									●		
	TRACK BEDS	●										●			
	TRACK BED CURBS	●			●			●							
	SAFETY WALK, INTERIOR STAIRS & RAMPS	●								●					NOTE 5: PROVIDE NO. 8 ABRASIVE AGGREGATE FINISH ON STAIR TREADS ONLY - NOSING ON STEPS & ABRASIVE STRIPS ON RAMPS - SEE DETAIL (1) (1) / NOTE 7
	ANCILLARY ROOM WALLS, CEILINGS & COLUMNS	●						●							NOTE 6: APPLY CONCRETE SURFACE SEALER IN ALL SPACES EXCEPT MECHANICAL EQUIPMENT SPACES
	ANCILLARY ROOM FLOORS	●								●					NOTE 7: APPLY LIQUID FLOOR HARDENER
	ALL FLOORS AND/OR LEDGES TO RECEIVE FINISH MATERIAL	●									●				
	PASSAGEWAY COLLAR BEAM & COLUMN-ENDWALLS	●		●									●		NOTE 1 / NOTE 2
ALL OTHER AREAS NOT SPECIFIED	●			●			●								
GRADE LEVEL	SIDEWALKS	●								●				NOTE 8: UNLESS OTHERWISE SPECIFIED TO MATCH EXISTING NOTE 9: 3' X 3' GRID SEE DETAILS DWG A-147	
	CURBS AND GUTTERS	●								●					
	ENTRANCE WALLS - RETAINING WALLS	●				●							●	NOTE 10: PROVIDE SMOOTH FORM FINISH NO. 1 & FINISH NO. 6 AS DETAILED ON NOTE 4 / DWG'S SYMMETRICAL FORM TIE SPACING WITH TIE CONES, SEE DETAILS (1) (1) (A-147)	
	TRACTION POWER SUBSTATION (INTERIOR)	●						●						NOTE 6 / NOTE 7 / NOTE 11: PROVIDE NO. 4 FINISH ON FLOORS	
	STAIRS (GRANITE FINISH NIC)	●								●					
	STAIRS (CONCRETE FINISH)	●								●				NOTE 5 / SEE DETAIL (4) (A-147) / NOTE 7	
	ALL OTHER AREAS NOT SPECIFIED	●			●			●							

GENERAL NOTES

- FINISHES GIVEN UNDER FINISH TYPES REFER TO CONCRETE SURFACE FINISH NUMBER LISTED IN SECTION 303 OF THE SPECIFICATIONS.
- ALL CONCRETE EXPOSED IN ANY ONE SPACE IS TO BE FORMED WITH THE SAME FORM MATERIAL.
- PROTECT EXPOSED FINISHED SURFACES AND EDGES FROM STAINS AND OTHER DAMAGES.
- FORMS OR FORMLINERS IN AREAS WHERE CONCRETE IS VISIBLE TO THE PUBLIC WHETHER METAL, FIBERGLASS, PLYWOOD OR 4" VERTICAL FORMBOARD SHOULD BE OF SUCH SIZE THAT PANEL - FORM JOINTS BETWEEN PANELS COINCIDE WITH REVEALS, EXPANSION OR CONTROL JOINTS UNLESS OTHERWISE SHOWN.



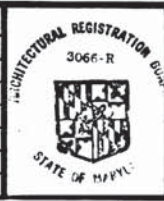
FORMBOARD DETAIL
FINISH NO. 6
SCALE: 3"=1'-0"
A-27, 34



FORMBOARD DETAIL
FINISH NO. 9
SCALE: 3"=1'-0"
A-30

DESIGNED	J. R. KRESS	11-2-73
DRAWN	J. T. MAXWELL	11-8-73
CHECKED	M. MAHAN	3-25-77
APPROVED	J. R. KRESS	3-25-77

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHews • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS

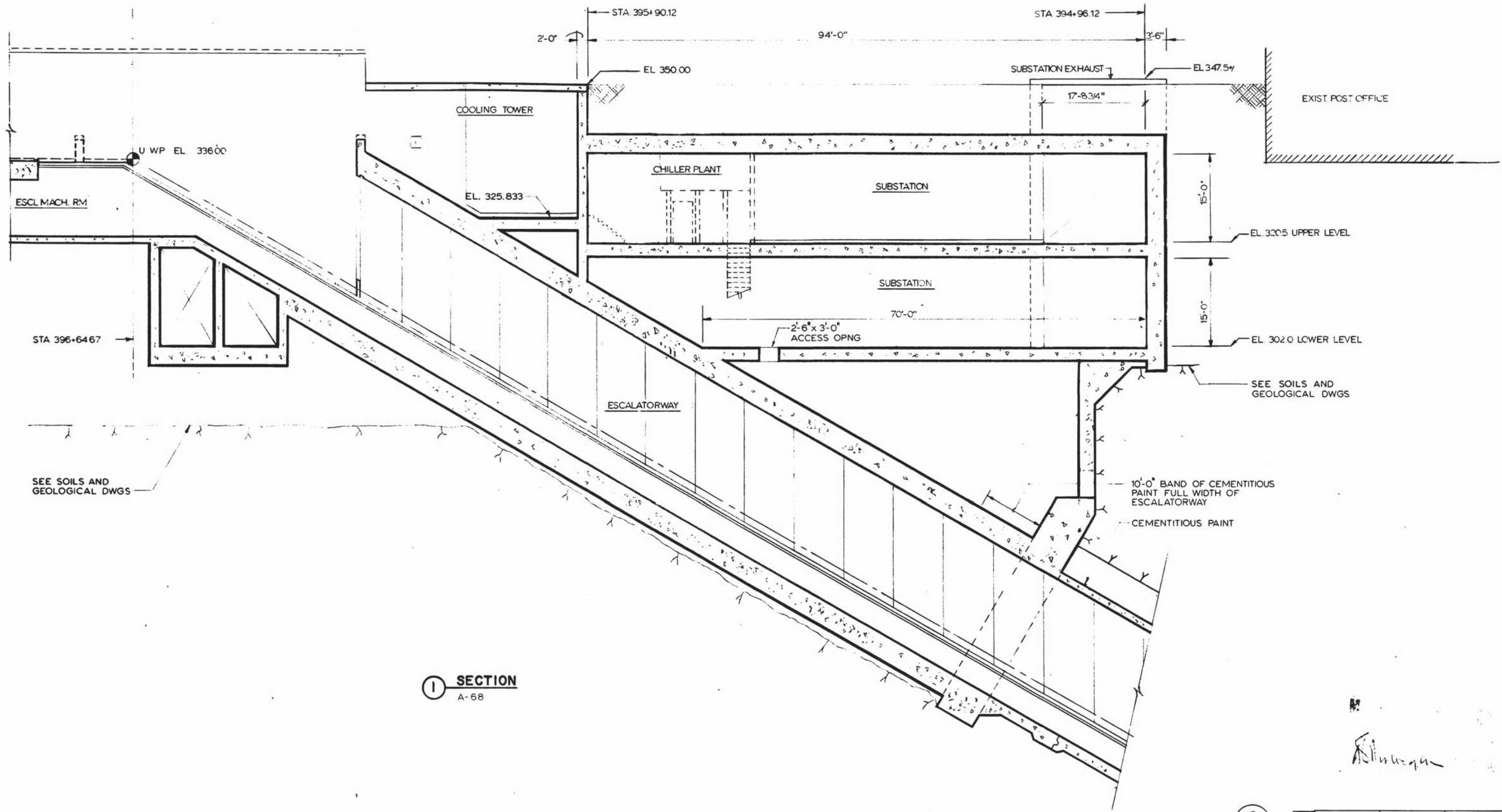
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HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

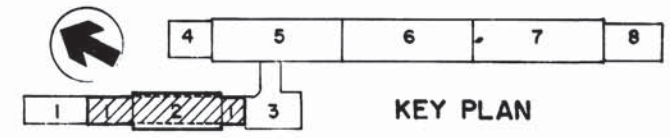
SUBMITTED *Wm. Chatman* DATE *5/12/70* APPROVED *Kobert D. Weese*

**ROCKVILLE ROUTE
CONCRETE FINISH
SCHEDULE**

SCALE: NO SCALE DRAWING NO. **A11b-A-40** M276-180



SECTION
A-68



DESIGNED	JR KRESS	3-4-74
DRAWN	CE BERGER	3-25-74
CHECKED	M MAHAN	3-25-77
APPROVED	JR KRESS	3-25-77

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
S-138	BETH STA ESCALATOR SECTION
M-32	BETH STA ENTRANCE SECTION
E-II	BETH STA ESCALATOR PLAN & SECTION

REVISIONS		
DATE	BY	DESCRIPTION
0 6 8 8	HTW	1 REV FOR PCO-16 AS BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

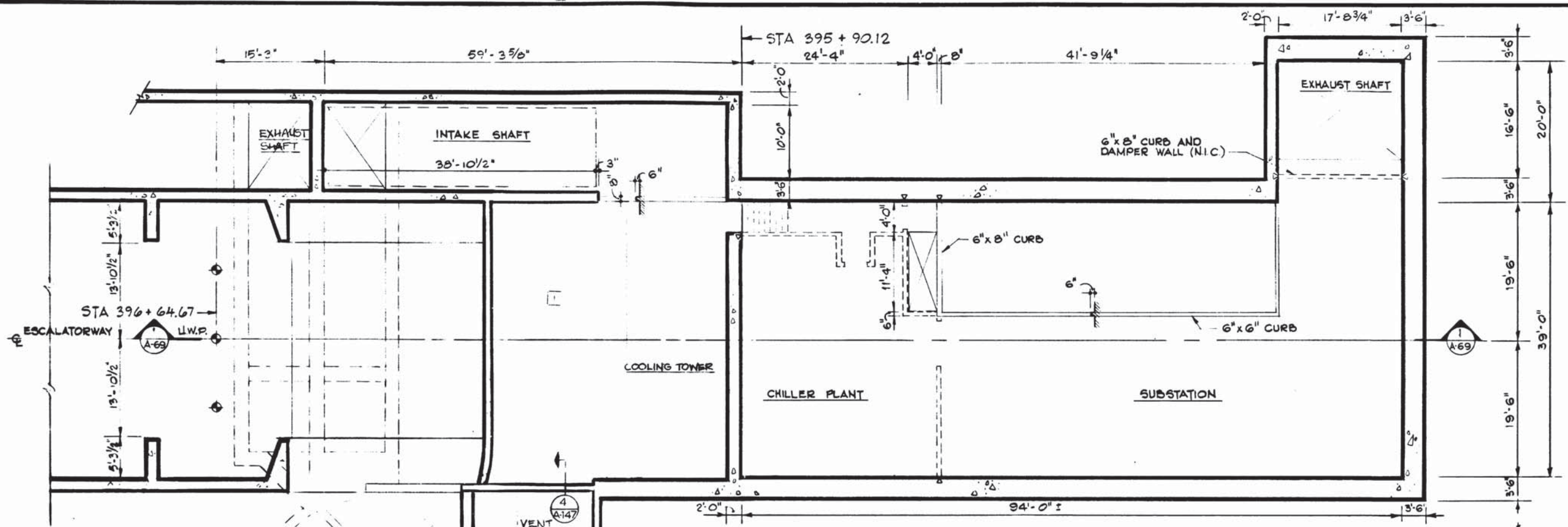
HARRY WEESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *John Christ* DATE *5/1/77* APPROVED *Rose...*

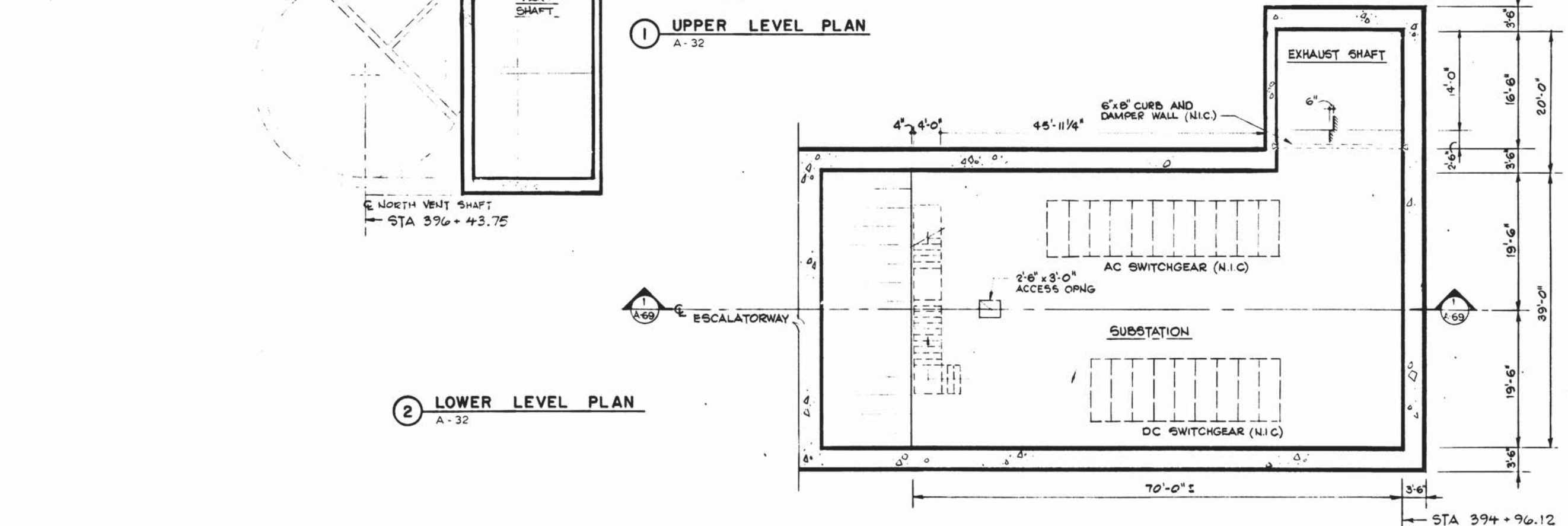
**ROCKVILLE ROUTE
BETHESDA STATION
SUBSTATION - CHILLER PLANT SECTION**

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

DRAWING NO. **A11b-A-69** M276-179



1 UPPER LEVEL PLAN
A-32



2 LOWER LEVEL PLAN
A-32

- GENERAL NOTES:**
- A. DOTTED LINES DENOTE CMU PARTITIONS OR OTHER ITEMS N.I.C. (UNLESS OTHERWISE NOTED).
 - B. ERECT DOVETAIL SLOT INSERTS IN CONC. WALLS OR COLUMNS TO UNDERSIDE OF STRUCTURE AT CENTERS OF CMU PARTITIONS (N.I.C.). SEE DETAIL 2 ON DWG. A-47.

DESIGNED	J. R. KRESS	3-4-79
DATE		
DRAWN	C. E. BERGER	3-18-79
DATE		
CHECKED	M. MAHAN	3-25-77
DATE		
APPROVED	J. R. KRESS	3-25-77
DATE		

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
S-29	BETH STA ENT ESCAL, RETAIN WALL & VENT SHAFT
M-31	BETH STA SUBSTA. CHILLER PLANT PLAN & SECT
E-12	BETHESDA STATION ENTRANCE B SECTION
E-13	BETH STA TRACTION POWER SUBSTA & CHILL PLANT

REVISIONS		
DATE	BY	DESCRIPTION
06/02	WJK	REV PER PLO-6 AS BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE 5/12/79 APPROVED *[Signature]*

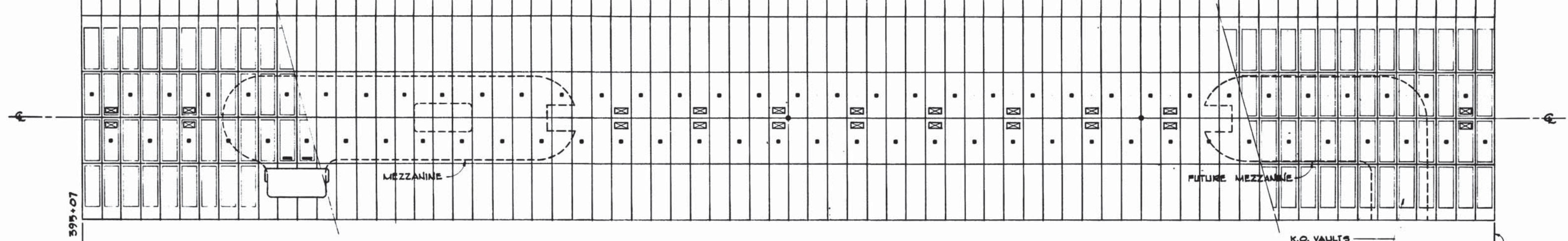
**ROCKVILLE ROUTE
BETHESDA STATION
SUBSTATION - CHILLER PLANT**

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

DRAWING NO. **A11b-A-68** M276-178

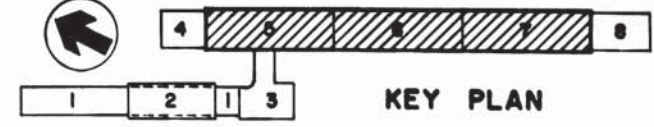
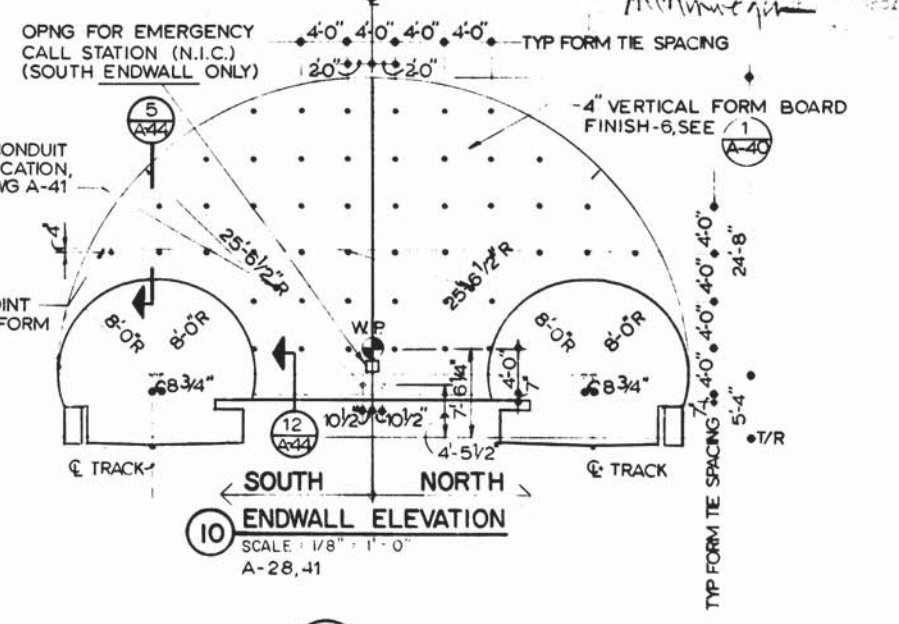
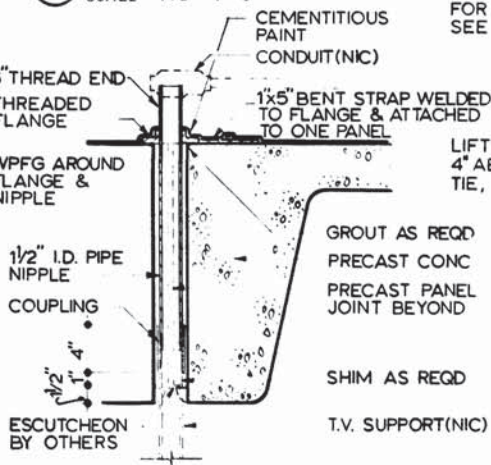
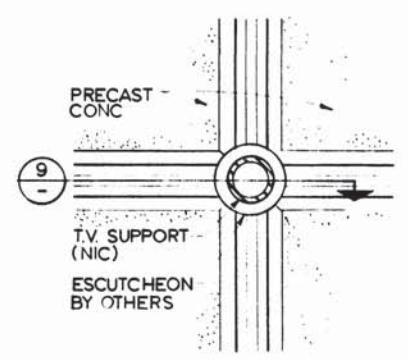
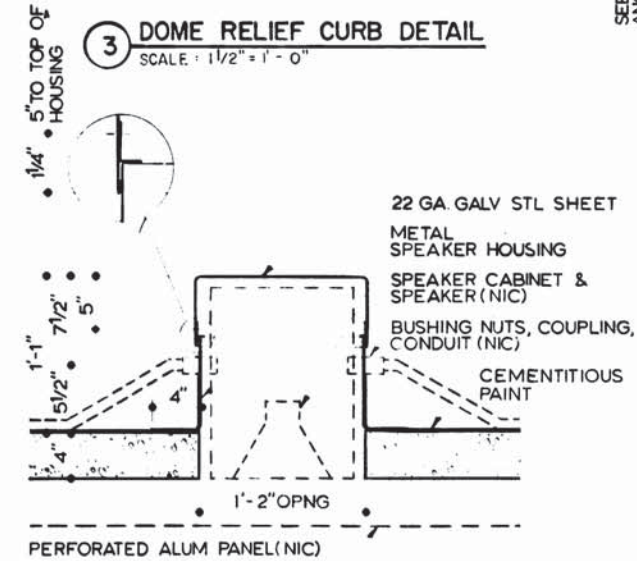
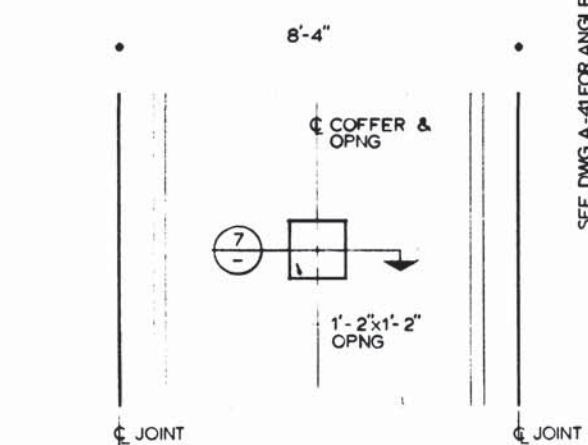
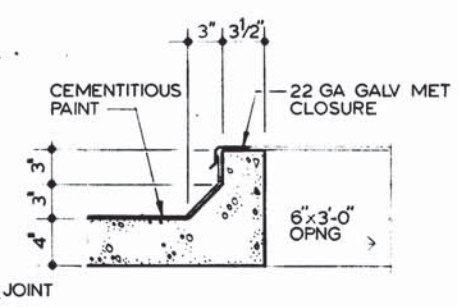
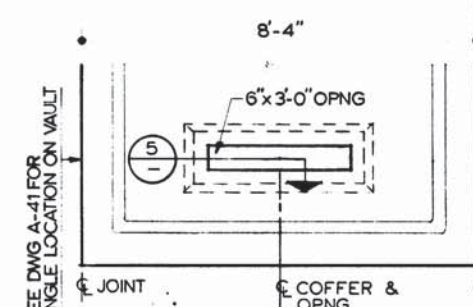
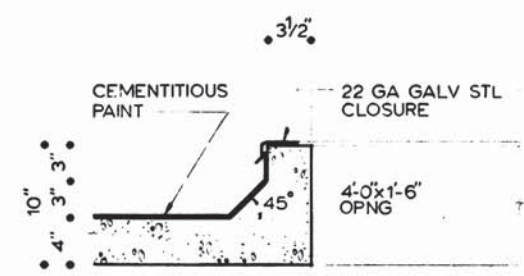
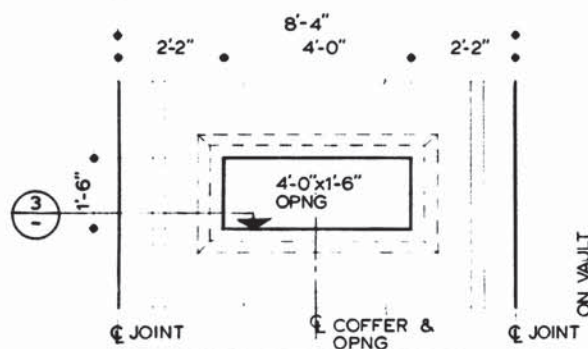
72 MODULES @ 8'-4" = 600'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73



1 REFLECTED CEILING PLAN (DEVELOPED)

- LEGEND**
- CCTV CONDUIT
 - SPEAKER OPENING
 - ▬ SUPPLY OPENING
 - ⊠ DOME RELIEF OPENING



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
J.R. KRESS	3-11-74	5-148		PRECAST VAULT & PLATFORM DETAILS			
C.E. BERGER	3-18-74	5-156		PRECAST VAULT DETAILS			
M. MAHAN	3-25-77						
J.R. KRESS	3-25-77						



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

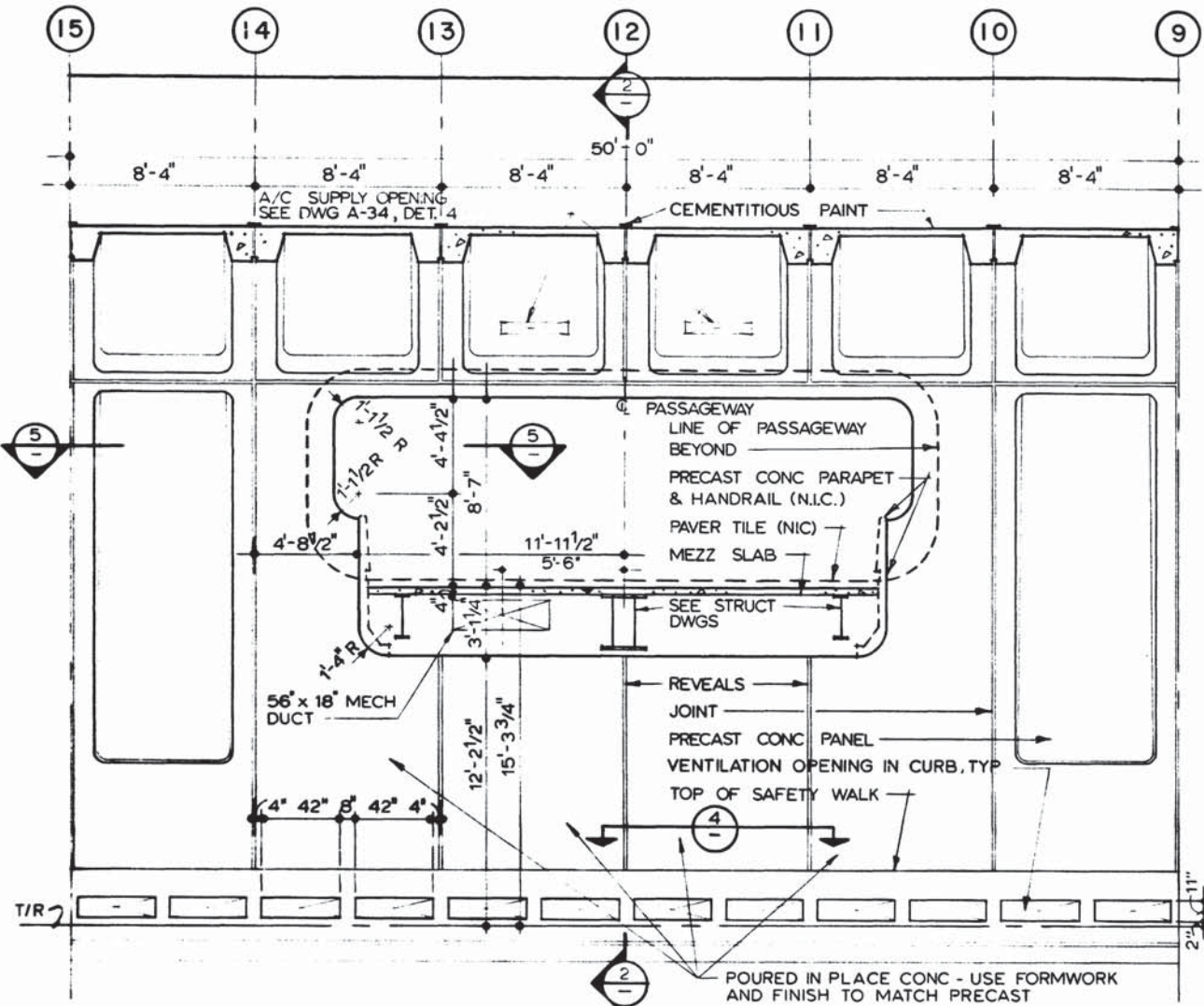
SUBMITTED: *Len Crest* DATE: 2/1/77

APPROVED: *Robert...*

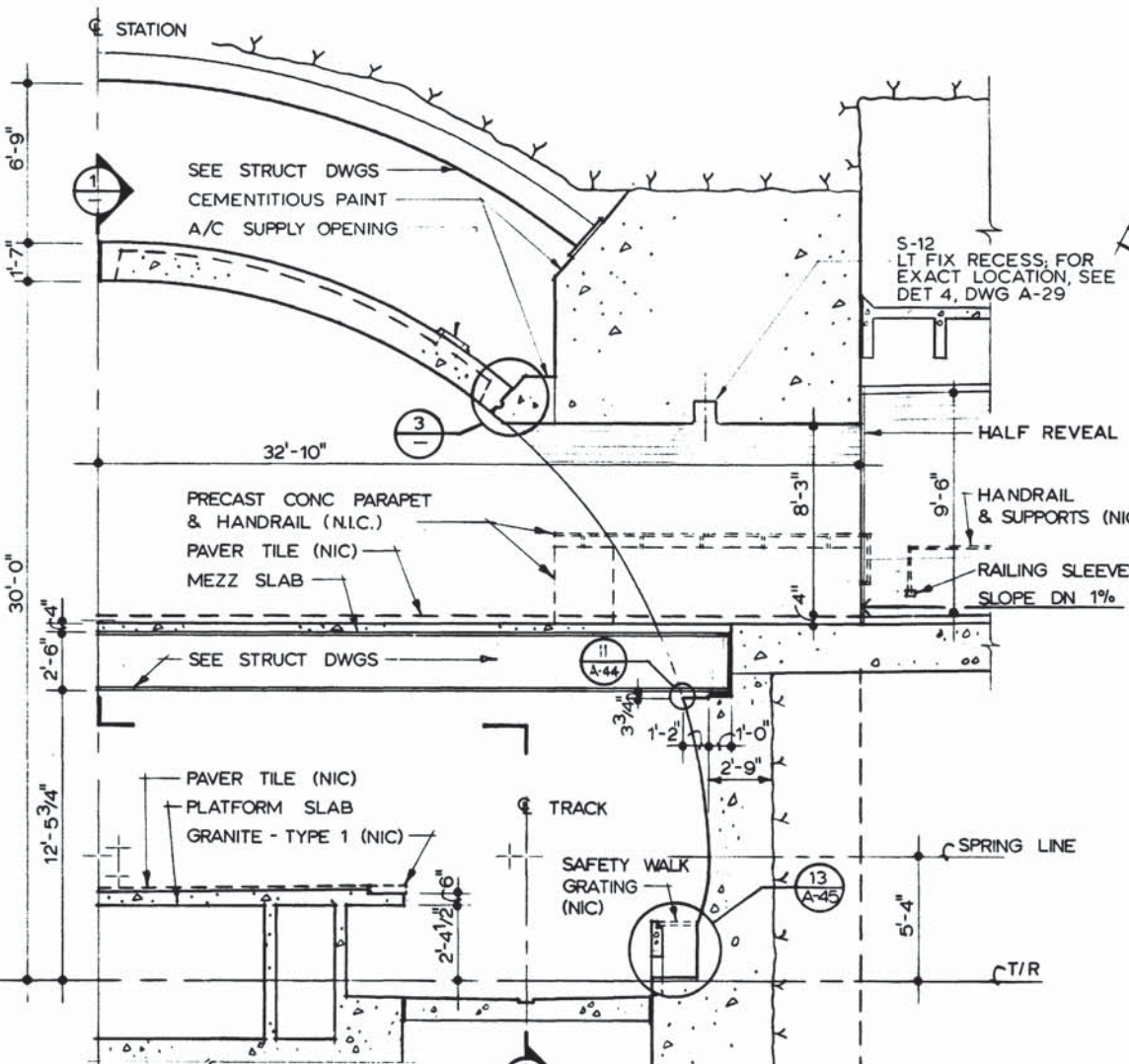
**ROCKVILLE ROUTE
BETHESDA STATION
VAULT OPENINGS AND DETAILS**

SCALE: 1" = 20'
10 0 10 20
AND AS NOTED

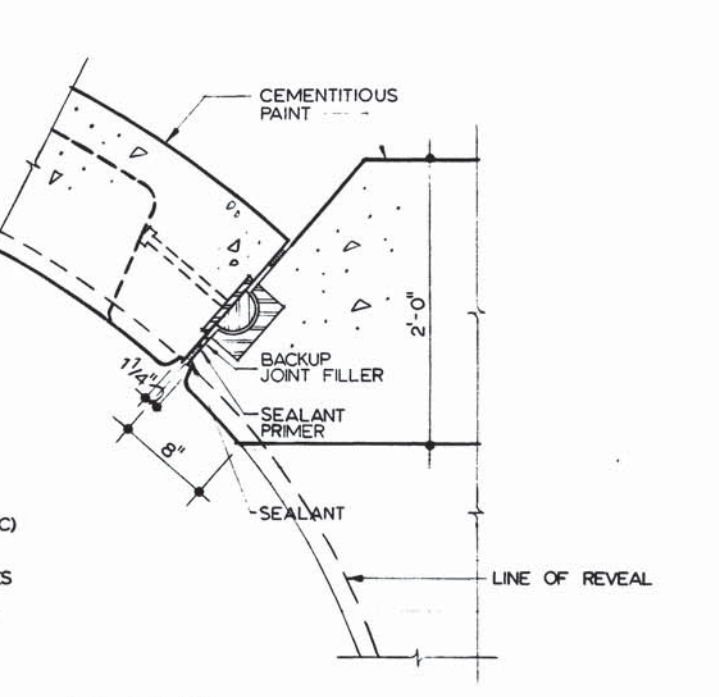
DRAWING NO. A11b-A-34 M276-177



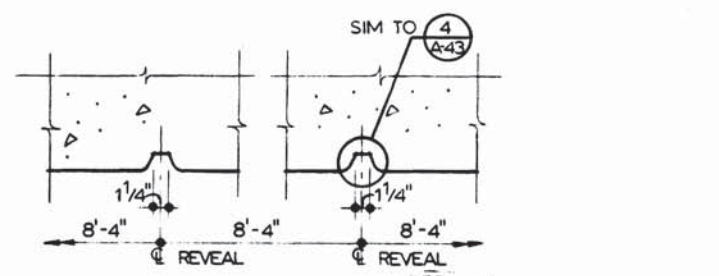
1 SECTION - ELEVATION
SCALE: 1/4" = 1'-0" A-24



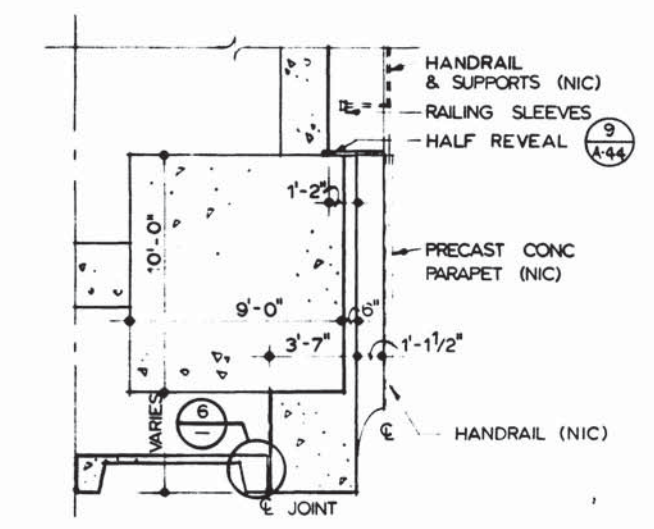
2 SECTION
SCALE: 1/4" = 1'-0" A-28



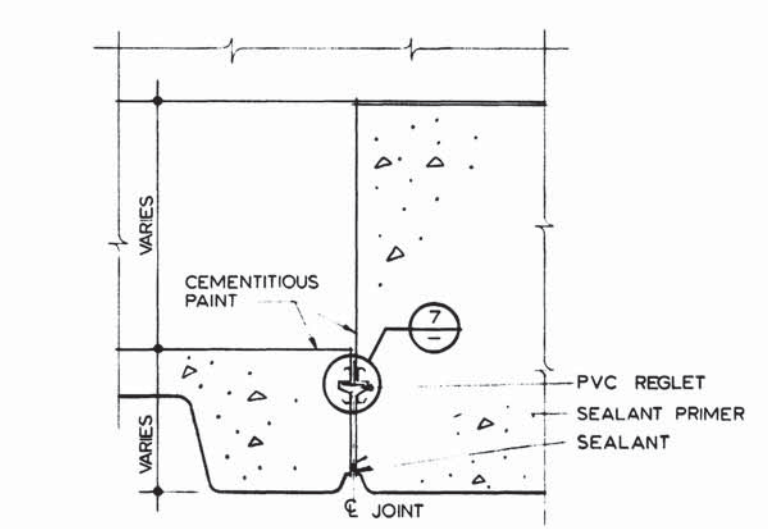
3 DETAIL
SCALE: 1 1/2" = 1'-0" A-28



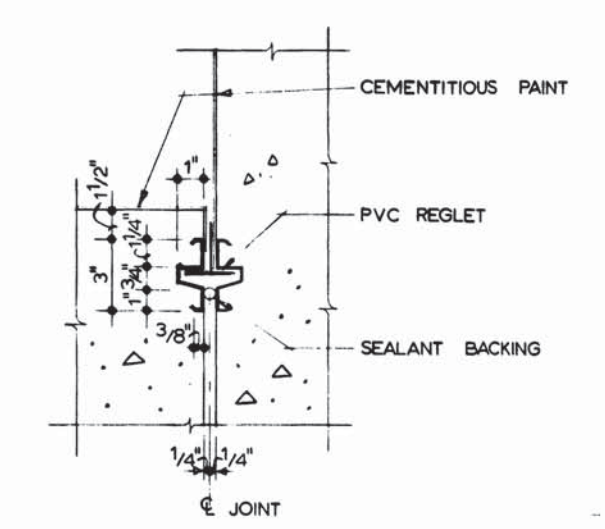
4 SECTION
SCALE: 1 1/2" = 1'-0" A-28



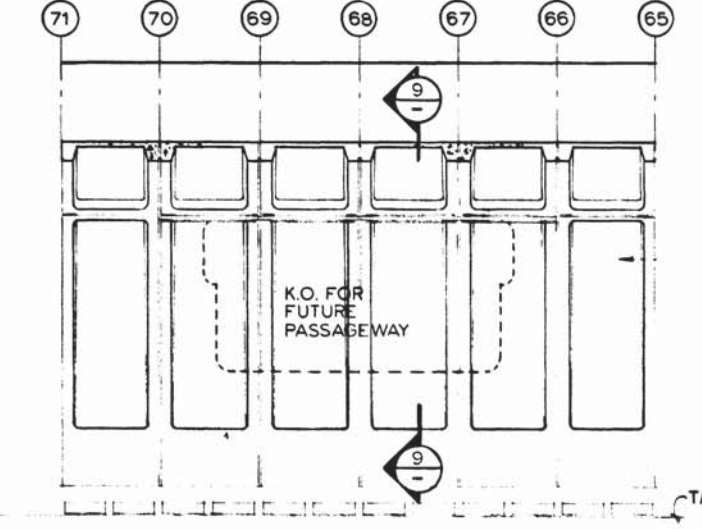
5 HALF PLAN
SCALE: 1/4" = 1'-0"



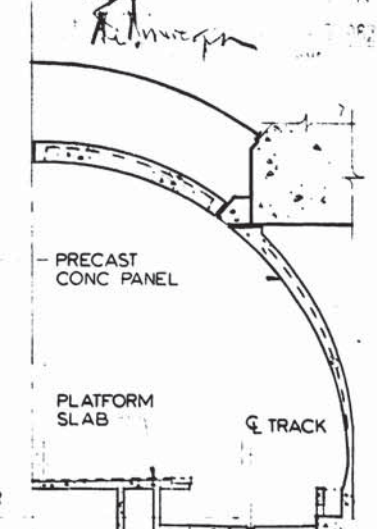
6 DETAIL - SECTION
SCALE: 1 1/2" = 1'-0"



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



8 K.O. PANEL AT FUTURE MEZZ.
SCALE: 1/8" = 1'-0"



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

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
J. KRESS	3-11-74	S-49	ENTRANCE BEAM & COLLAR		
J. MAXWELL	3-18-74	S-128	BETH. STA. COLLAR SECTION & DETAILS		
M. MAHAN	3-23-77	S-157	MEZZ. PASSAGEWAY VAULT OPNG.		
J. KRESS	3-23-77				



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

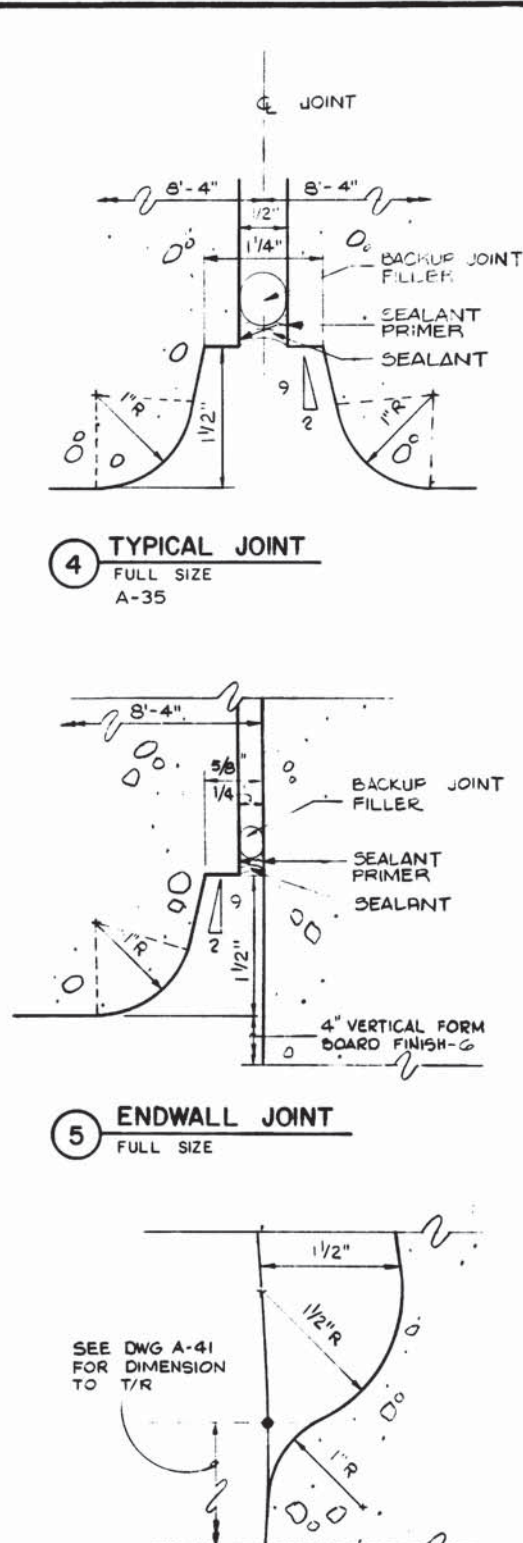
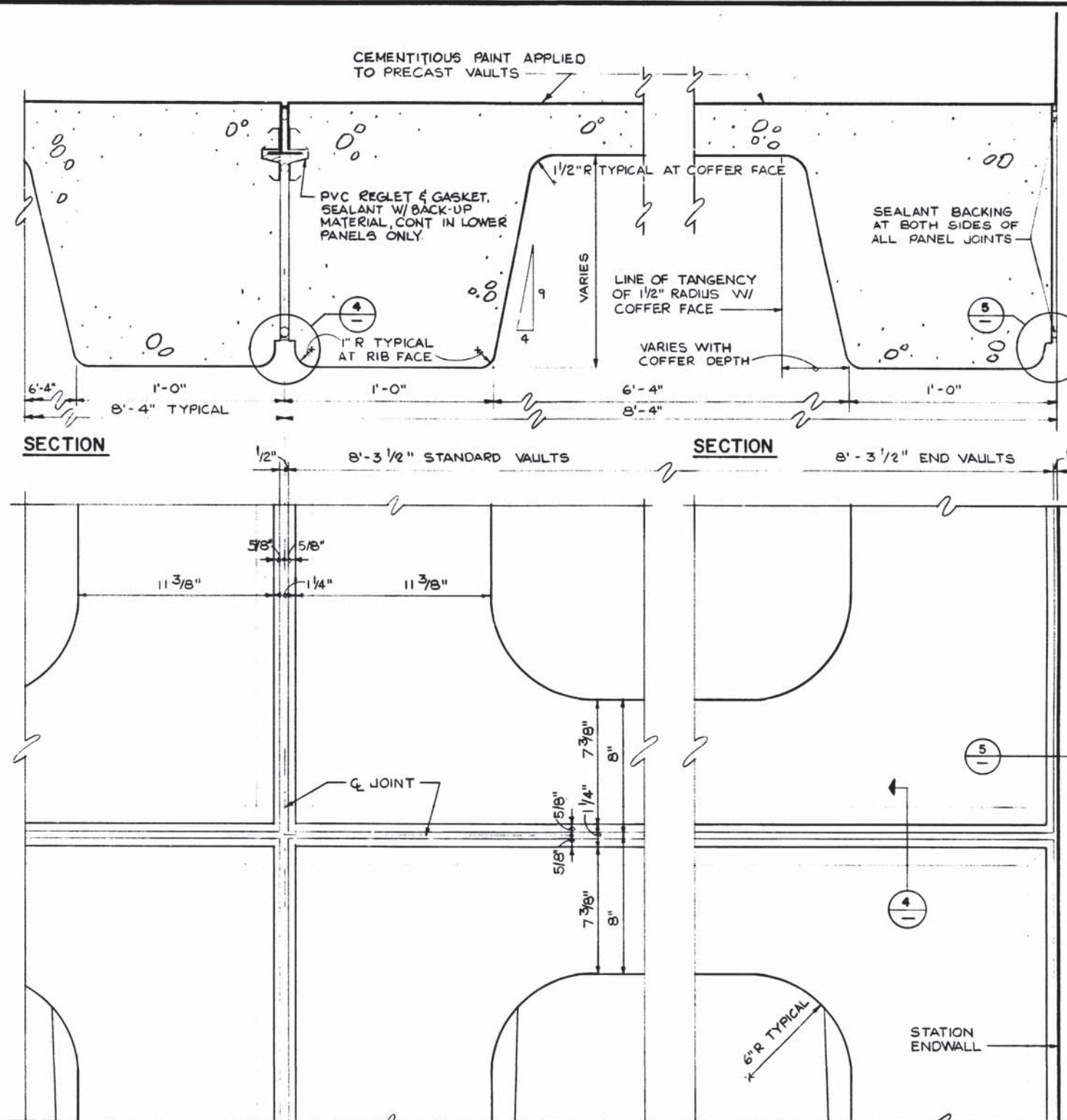
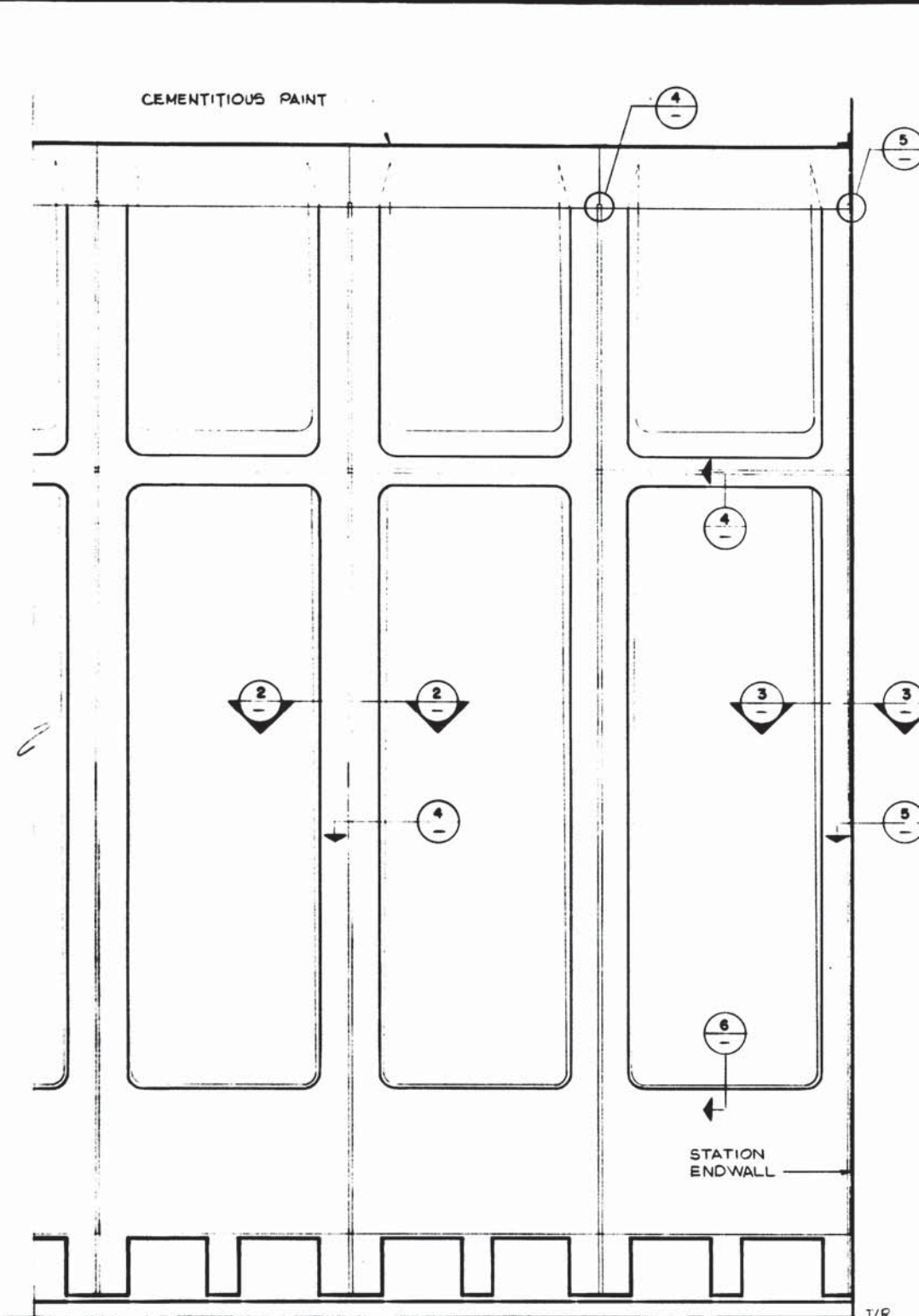
SUBMITTED *Leon Chatu* DATE *02/12/77* APPROVED *Robert [Signature]*

**ROCKVILLE ROUTE
BETHESDA STATION
PASSAGEWAY - MEZZANINE VAULT OPENING**

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

DRAWING NO. **A11b-A-35**

M276-176



1 ELEVATION
3/8" = 1'-0"
A-41

2 ELEVATION
3" = 1'-0"
A-41
DETAIL AT TYPICAL JOINT

3 ELEVATION
3" = 1'-0"
DETAIL AT ENDWALL

6 BOTTOM OF COFFER
FULL SIZE
A-41

4 TYPICAL JOINT
FULL SIZE
A-35

5 ENDWALL JOINT
FULL SIZE

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
C.E. BERGER	7-19-75	5-149	PRECAST VAULT PARTIAL PLAN		
M.E. KFOURY	7-22-75	5-157	ME Z2 PASSAGEWAY VAULT OPENING		
M. MAHAN	3-25-77				
J.R. KRESS	3-25-77				



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

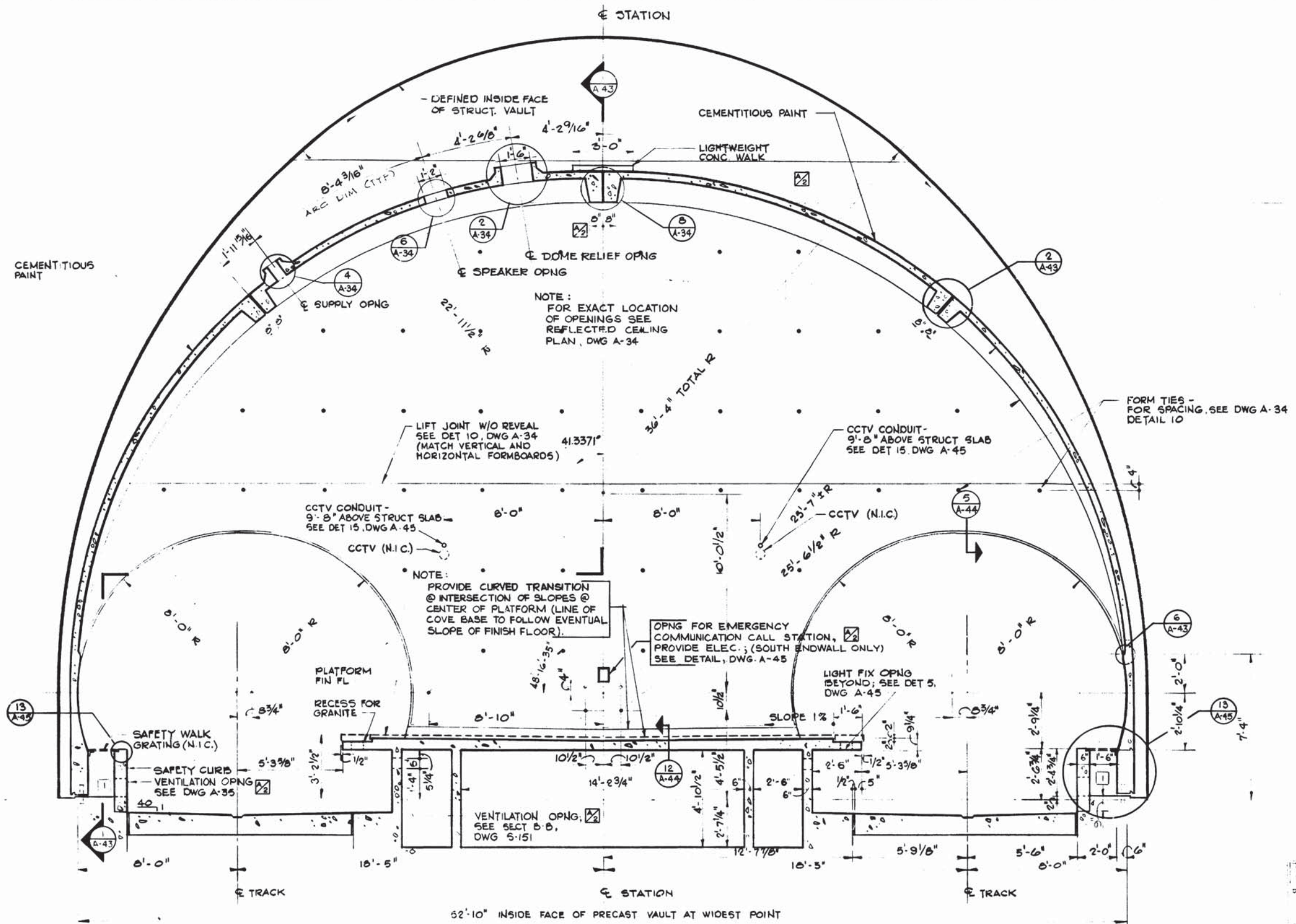
HARRY WEESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Leon Chatell* DATE *5/16/77* APPROVED *Robert J. DeLu*

ROCKVILLE ROUTE
TYPICAL RIB AND COFFER
GEOMETRY AND DETAILS

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

DRAWING NO. **A11b-A-43** M276-175



SECTION 1
A-24, 25, 26, 27, 28, 34

APPROVED: *[Signature]* DATE: 1982

DESIGNED J.R. KRESS 2-9-74
DATE
DRAWN C.E. BERGER 2-21-74
DATE
CHECKED M. MAHAN 3-25-77
DATE
APPROVED J.R. KRESS 3-25-77
DATE

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
5-148	PRECAST VAULT & PLATFORM DETAILS	7-8-77	J.K.	GENERAL REVISIONS
		2-15-82	M.D.	1 REV PER FIELD CONDITION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

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ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

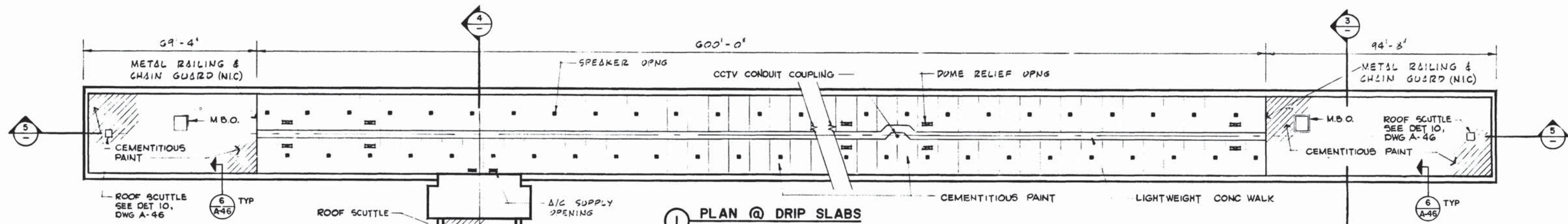
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE 5/18/77 APPROVED *[Signature]*

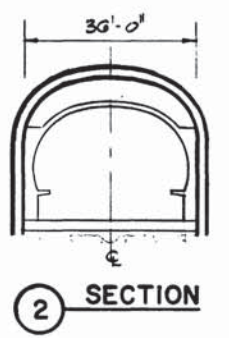
**ROCKVILLE ROUTE
VAULT TRANSVERSE SECTION
AND GEOMETRY**

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

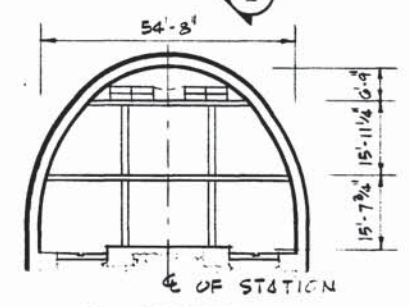
DRAWING NO. A11b-A-41 M276-174



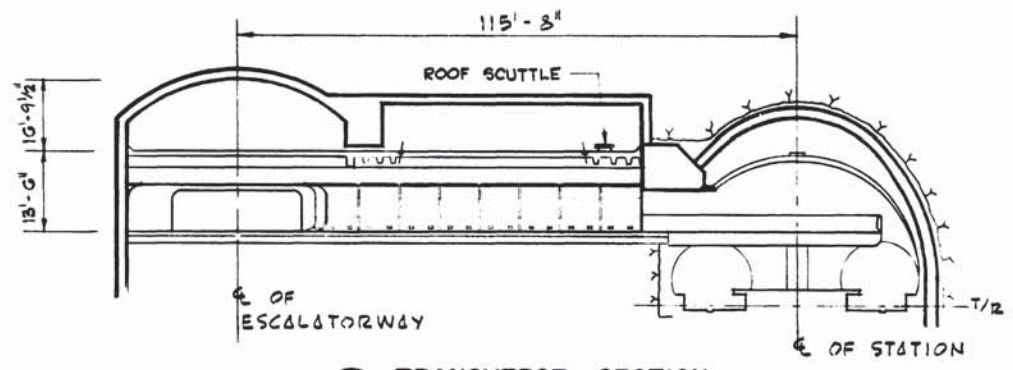
1 PLAN @ DRIP SLABS



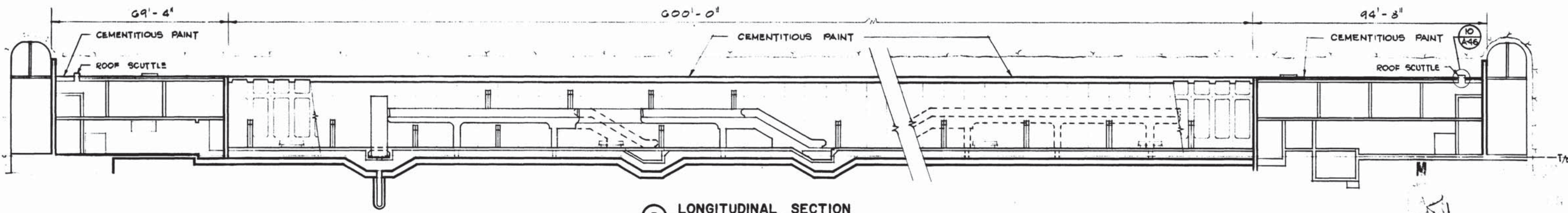
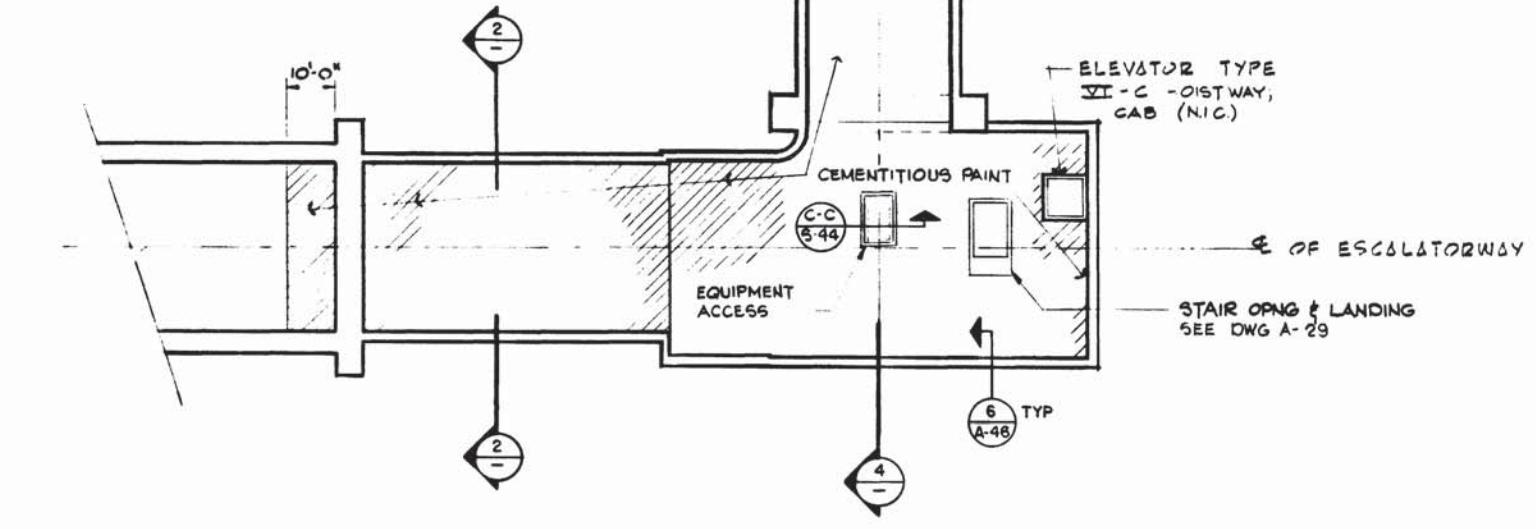
2 SECTION



3 SECTION

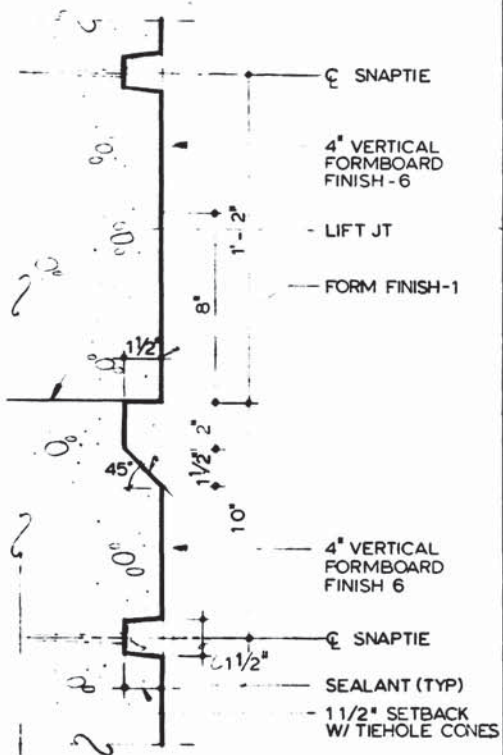


4 TRANSVERSE SECTION

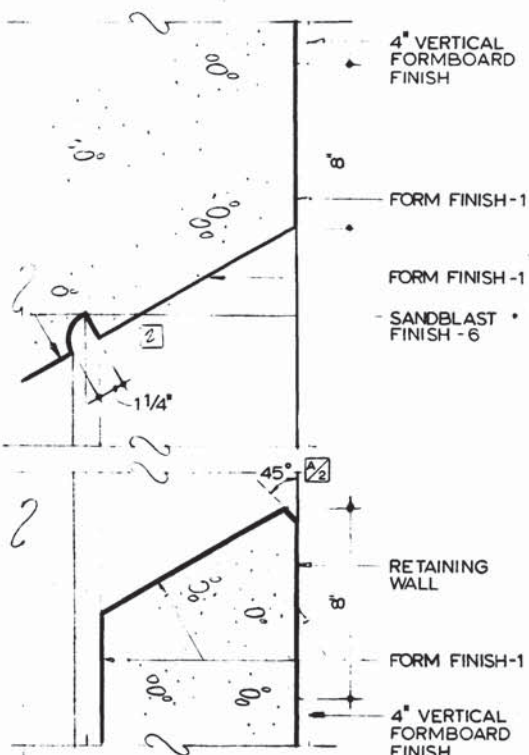


5 LONGITUDINAL SECTION

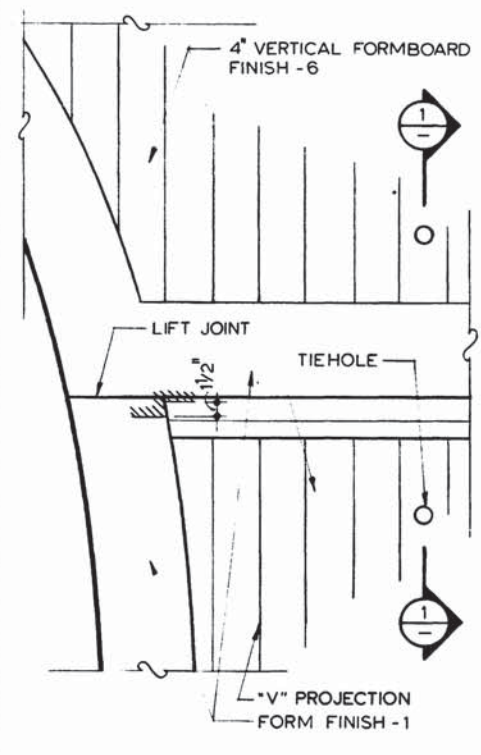
DESIGNED J.R. KRESS DATE 3-4-74	NUMBER 5-144 DESCRIPTION NORTH SERVICE AREA STATION	DATE	BY	DESCRIPTION		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER SUBMITTED <i>Wm. Chestnut</i> DATE <i>2/14/77</i>	DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT APPROVED <i>Robert W. Weese</i>	ROCKVILLE ROUTE BETHESDA STATION ANCILLARY SPACES - DRIP SLABS SCALE 1" = 20' DRAWING NO. A11b-A-33 M276-173
DRAWN C.E. BERGER DATE 4-2-74	NUMBER 5-172 DESCRIPTION SOUTH SERVICE AREA STATION							
CHECKED M. MAHAN DATE 3-29-77	NUMBER M-36 DESCRIPTION NORTH ANCILLARY SPACE SECTION							
APPROVED J.R. KRESS DATE 3-25-77	NUMBER M-43 DESCRIPTION SOUTH ANCILLARY SPACE SECTION							



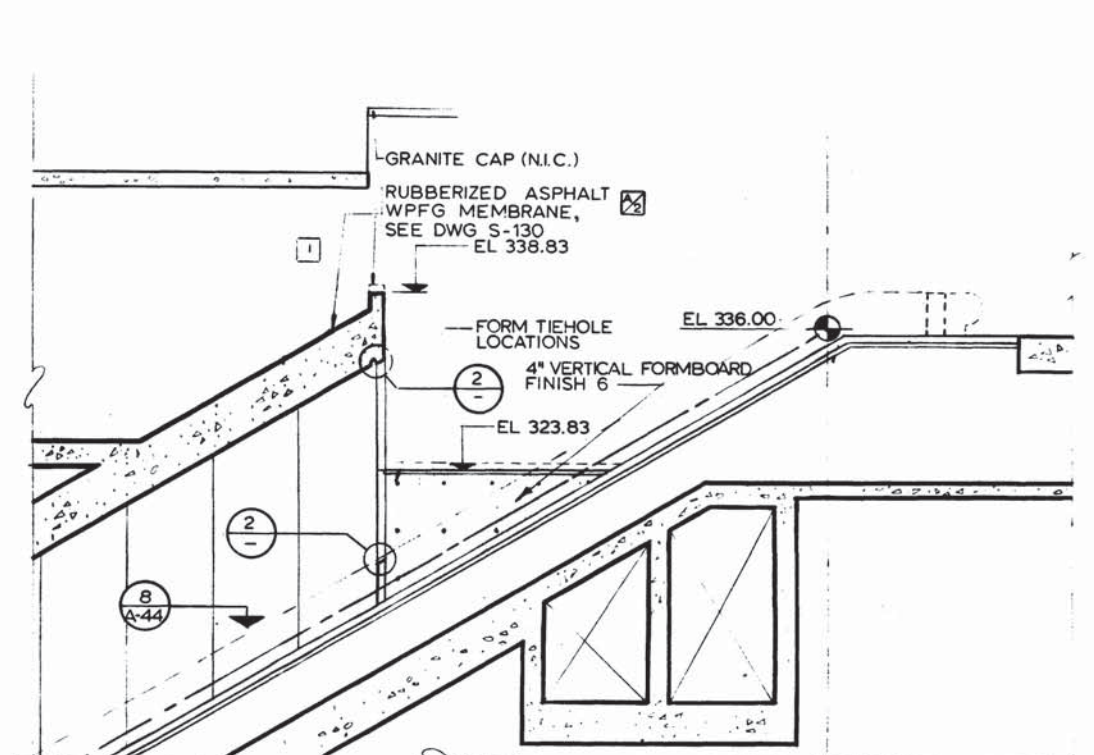
1 RUSTICATION DETAIL
SCALE: 3" = 1'-0"



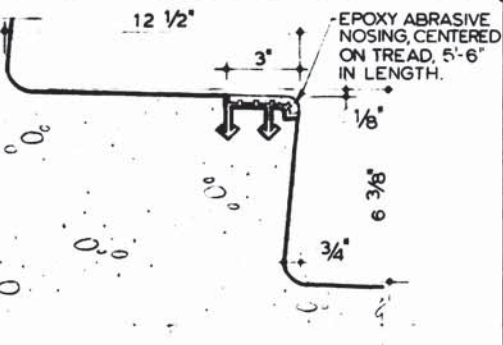
2 CONTINUOUS DRIP @ HEADWALL
SCALE: 3" = 1'-0"



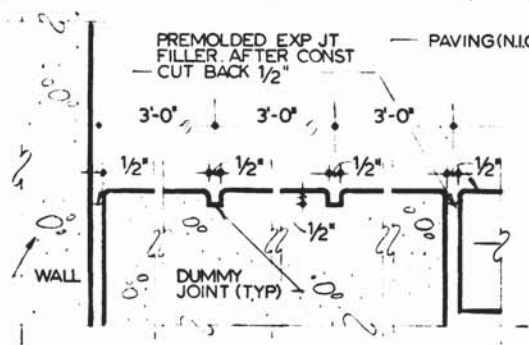
3 RUSTICATION DET. AT PORTAL
SCALE: 1/2" = 1'-0" A-32



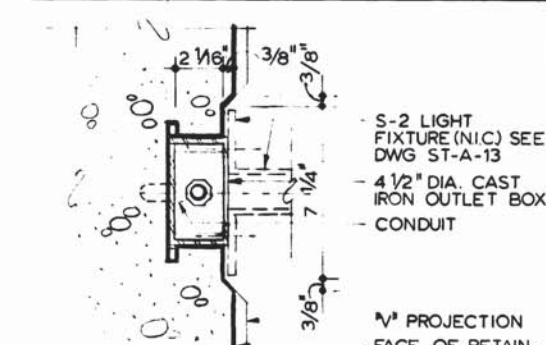
6 EAST ELEVATION
SCALE: 1/8" = 1'-0" A-30



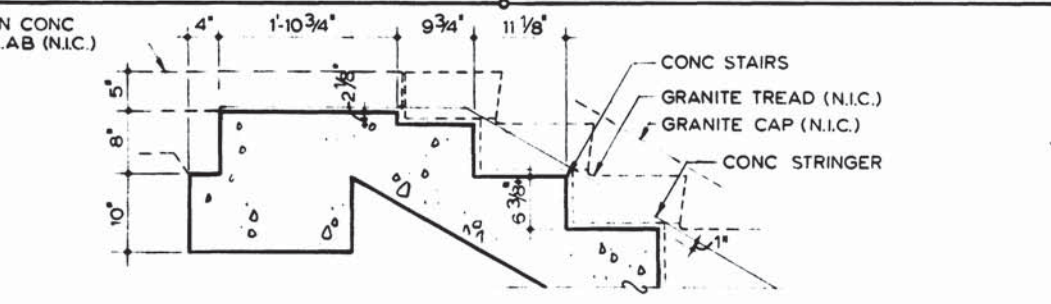
4 ABOVE GRADE TREAD
SCALE: 3" = 1'-0" A-30



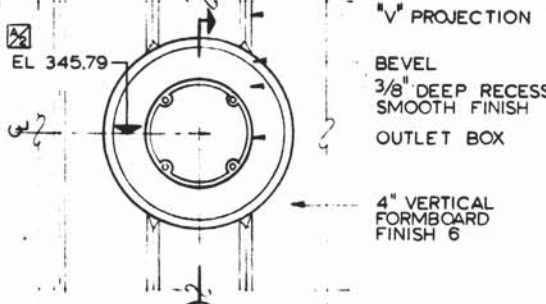
5 3'x3' PAVING SCORING
SCALE: 3" = 1'-0" A-30



A SECTION
SCALE: 3" = 1'-0" A-130



7 ENTRANCE STAIR TREAD DETAIL
SCALE: 1" = 1'-0" A-130,47



8 TYPICAL OUTLET BOX
SCALE: 3" = 1'-0" A-130

M
A. Minnerger

DESIGNED			REFERENCE DRAWINGS			REVISIONS		
J. KRESS	3-28-77	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	
C. GRAAE	3-29-77	DATE			7-8-77	J.K.	MODIFICATION OF DET. 6 & 8	
M. MAHAN	3-29-77	DATE			11-20-84	HTJ	REV PER REV. 16, AS BUILT	1
J. KRESS	3-29-77	DATE			11-20-84	HTJ	REV PER REV. 14, AS BUILT	
J. KRESS	3-29-77	DATE						



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHews • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

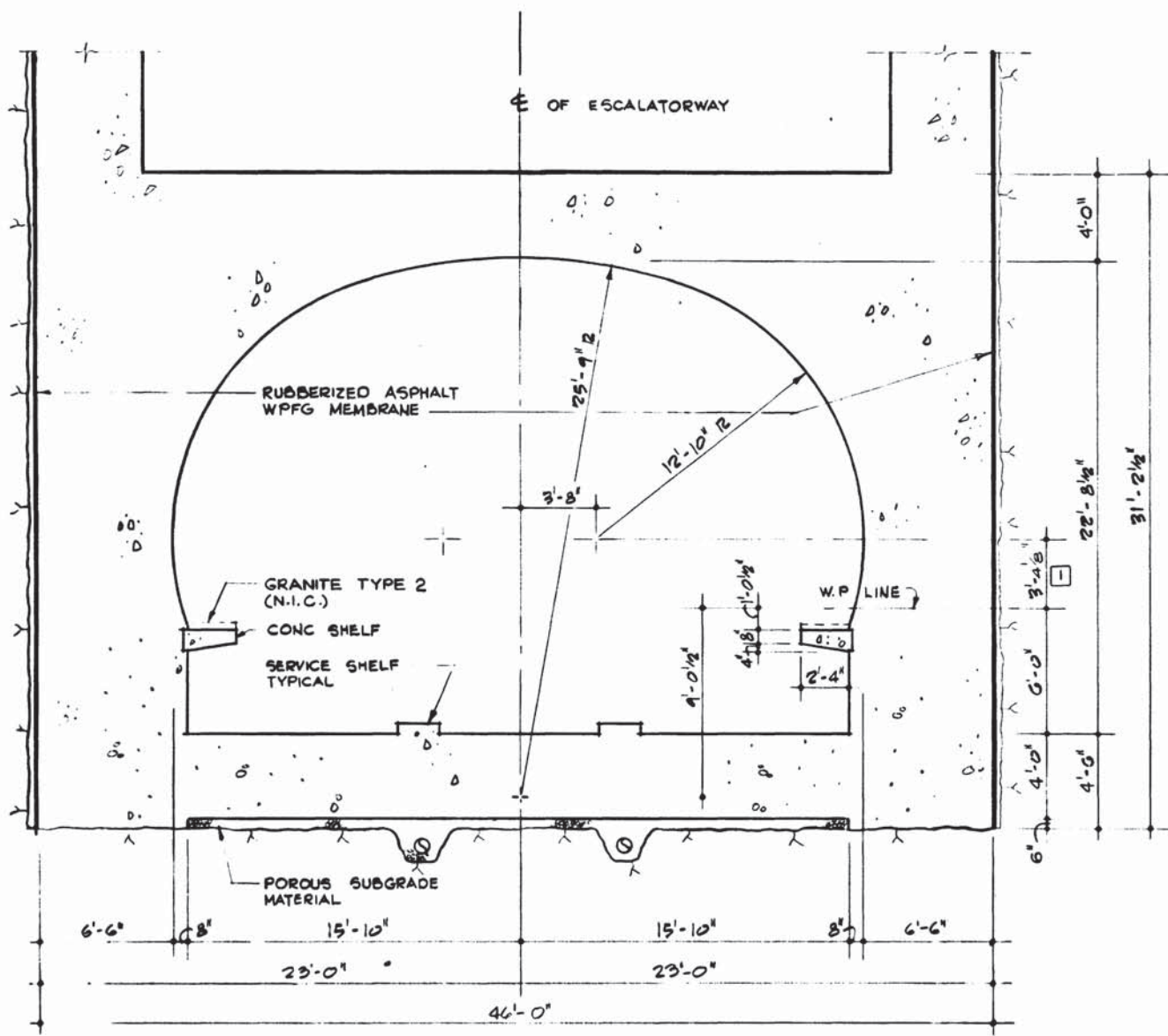
HARRY WESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Tom Grant* DATE *5/12/77* APPROVED *[Signature]*

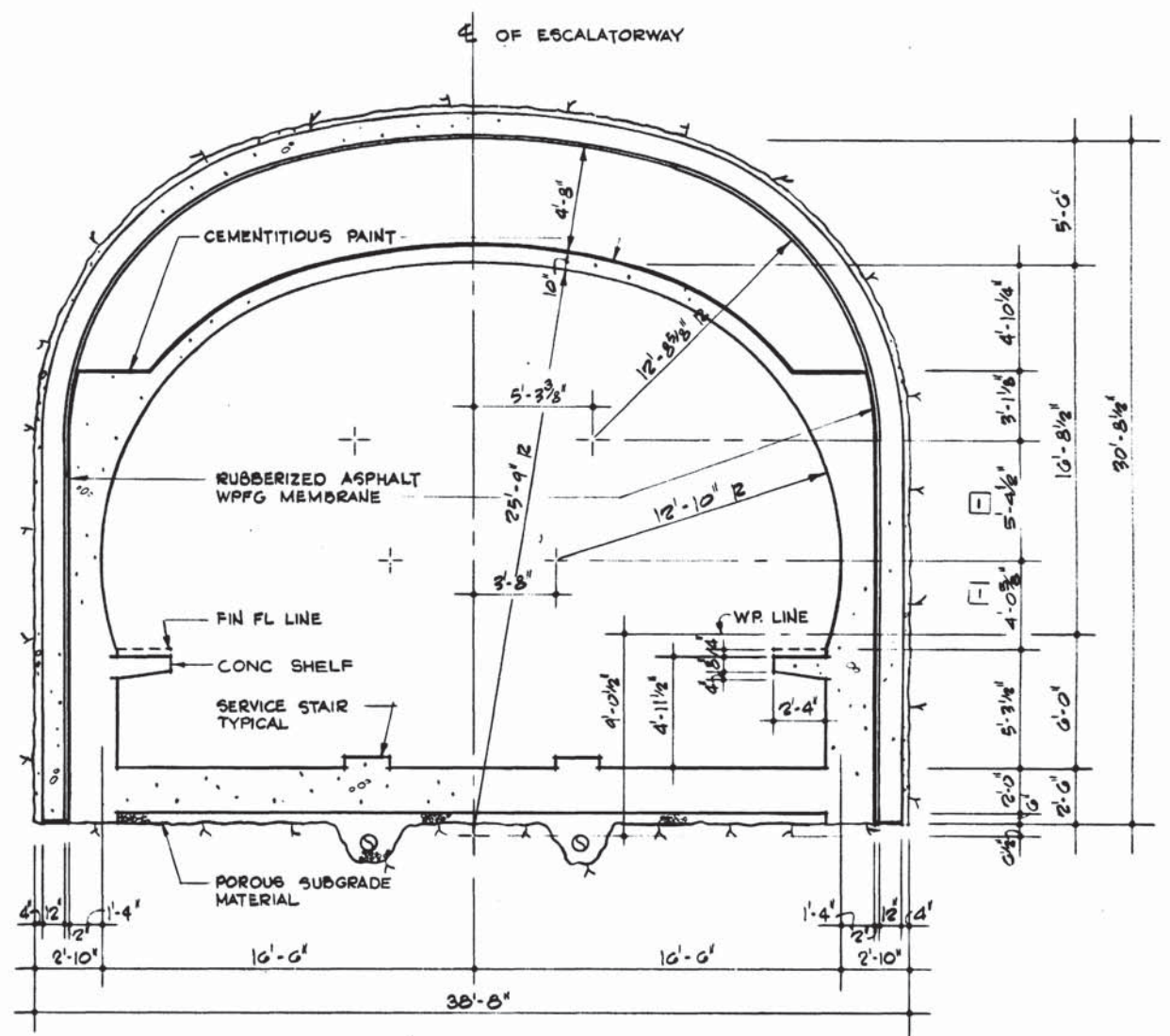
**ROCKVILLE ROUTE
BETHESDA STATION
ENTRANCE CONCRETE FINISH DETAILS**

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

DRAWING NO. **A11b-A-147** M276-172



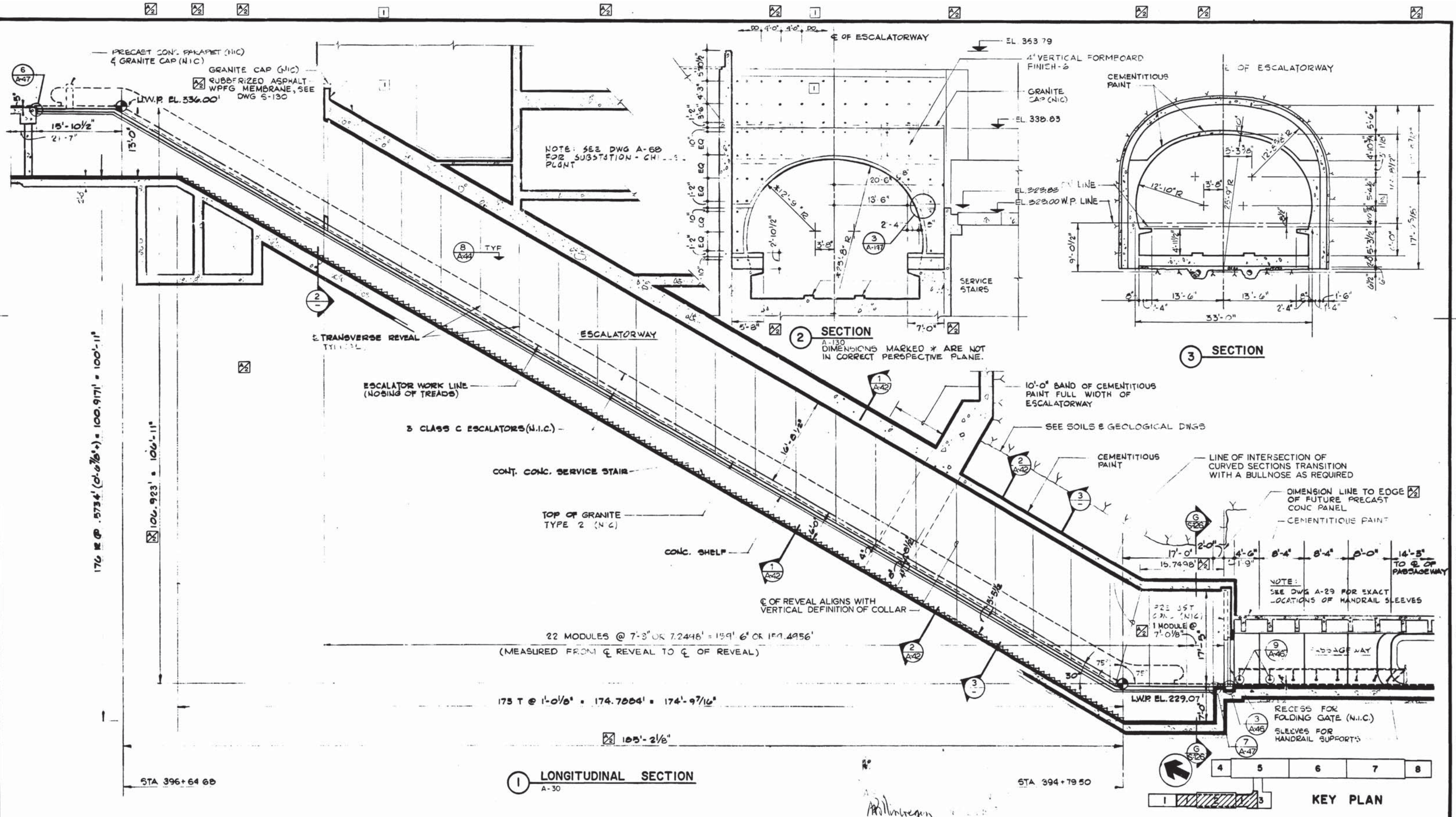
1 SECTION @ ESCALATOR AND SUBSTATION
SCALE: 1/4" = 1'-0" A-32



2 SECTION @ ESCALATOR IN ROCK
SCALE: 1/4" = 1'-0" A-32

Handwritten signature and notes.

DESIGNED C.E. BERGER DATE 7-19-75	7-19-75	REFERENCE DRAWINGS		REVISIONS			WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER		DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT		ROCKVILLE ROUTE ESCALATORWAY TRANSVERSE SECTION AND GEOMETRY	
DRAWN J.T. MAXWELL DATE 7-22-75	7-22-75	NUMBER	DESCRIPTION	DATE	BY		DESCRIPTION	HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT		SCALE	DRAWING NO.	
CHECKED M. MAHAN DATE 3-25-77	3-25-77	5-126	ESCL SECTION & DETAILS	1/4/82	HTJ		REV. PER S.P. GAN, AS BUILT	SUBMITTED <i>Ken Crut</i> DATE 5/12/77		1/4" = 1'-0"	A11b-A-42	M276-170
APPROVED J.R. KRESS DATE 3-25-77	3-25-77	5-139	ESCL SECTION & DETAILS					APPROVED <i>Robert W. Weese</i>				
		M-33	ENTRANCE ANCL PLAN & SECTION									



DESIGNED	J.R. KRESS	3-4-74	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	G.E. BERGER	3-18-74	DATE	S-138	ESCALATOR SECTIONS	7-8-77	J.K.	GENERAL REVISIONS
CHECKED	M. MAHAN	3-25-77	DATE	M-32	ENTRANCE SECTION	1-4-82	H.N.	REV PER FCU 12/25/81
APPROVED	J.R. KRESS	3-25-77	DATE	E-11	ESCALATORWAY PLAN & SECTION	1-4-82	H.N.	REV PER SKO GAN ASSULT 21

REFERENCE DRAWINGS	REVISIONS																				
<table border="1"> <tr> <th>NUMBER</th> <th>DESCRIPTION</th> </tr> <tr> <td>S-138</td> <td>ESCALATOR SECTIONS</td> </tr> <tr> <td>M-32</td> <td>ENTRANCE SECTION</td> </tr> <tr> <td>E-11</td> <td>ESCALATORWAY PLAN & SECTION</td> </tr> </table>	NUMBER	DESCRIPTION	S-138	ESCALATOR SECTIONS	M-32	ENTRANCE SECTION	E-11	ESCALATORWAY PLAN & SECTION	<table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> <tr> <td>7-8-77</td> <td>J.K.</td> <td>GENERAL REVISIONS</td> </tr> <tr> <td>1-4-82</td> <td>H.N.</td> <td>REV PER FCU 12/25/81</td> </tr> <tr> <td>1-4-82</td> <td>H.N.</td> <td>REV PER SKO GAN ASSULT 21</td> </tr> </table>	DATE	BY	DESCRIPTION	7-8-77	J.K.	GENERAL REVISIONS	1-4-82	H.N.	REV PER FCU 12/25/81	1-4-82	H.N.	REV PER SKO GAN ASSULT 21
NUMBER	DESCRIPTION																				
S-138	ESCALATOR SECTIONS																				
M-32	ENTRANCE SECTION																				
E-11	ESCALATORWAY PLAN & SECTION																				
DATE	BY	DESCRIPTION																			
7-8-77	J.K.	GENERAL REVISIONS																			
1-4-82	H.N.	REV PER FCU 12/25/81																			
1-4-82	H.N.	REV PER SKO GAN ASSULT 21																			

3066-B
STATE OF MARYLAND

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

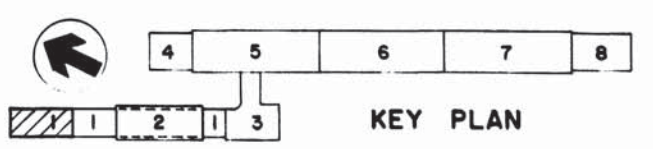
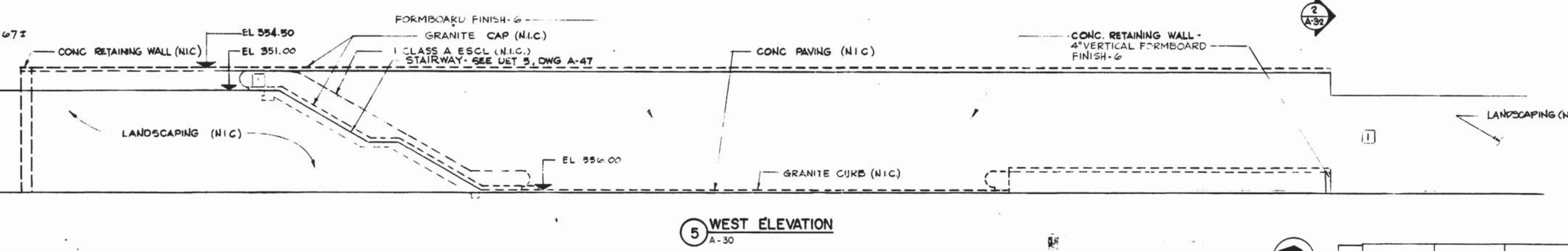
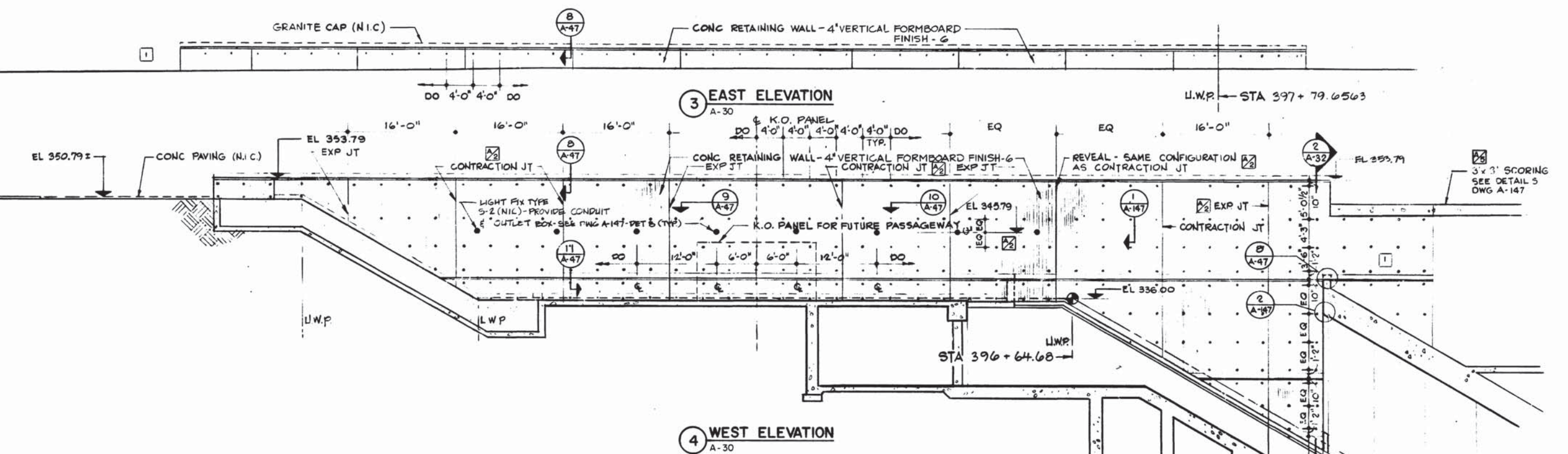
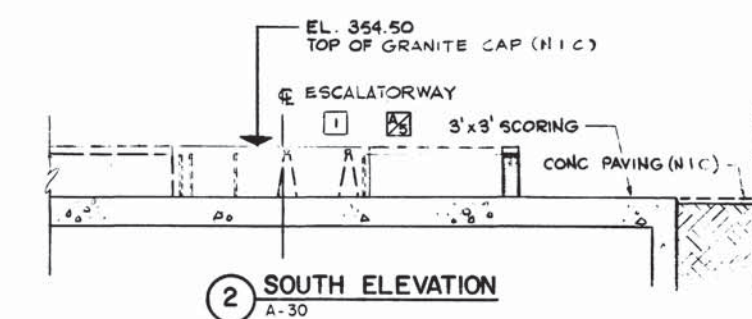
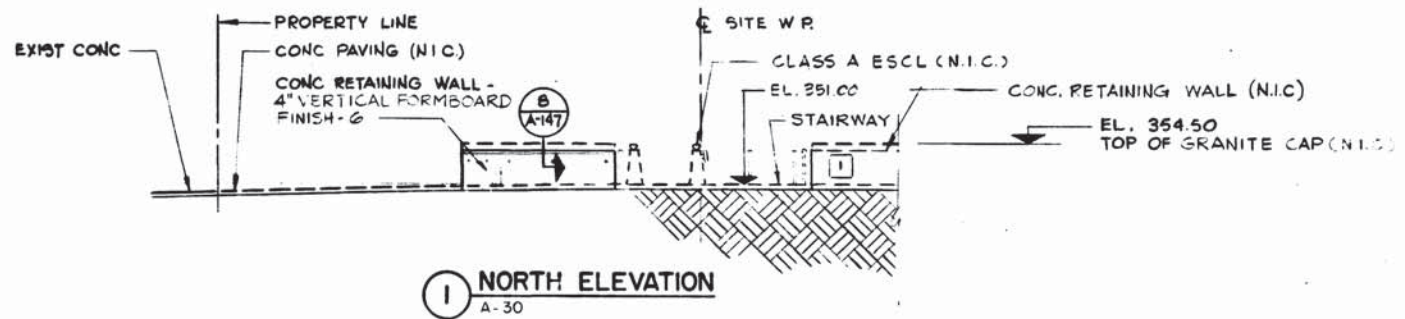
SUBMITTED *[Signature]* DATE *5/12/81*

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

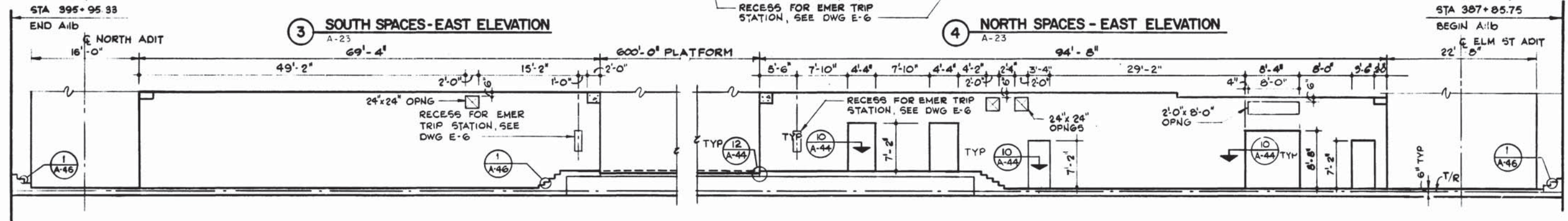
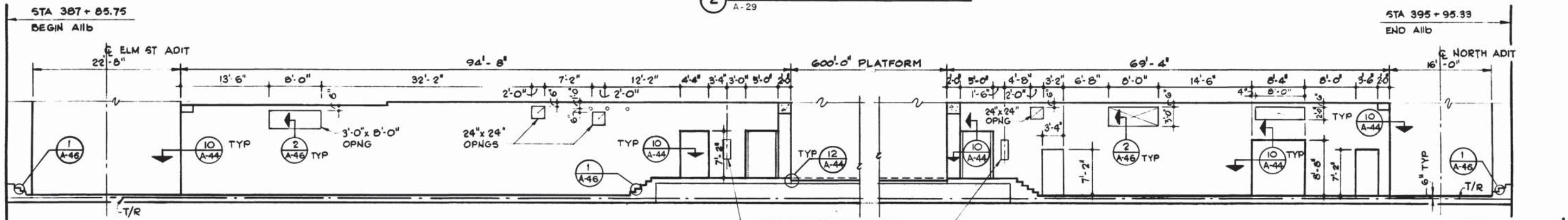
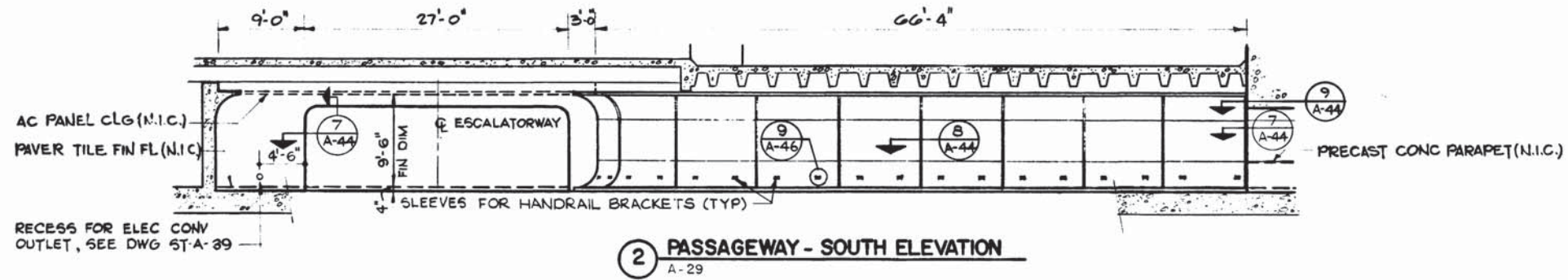
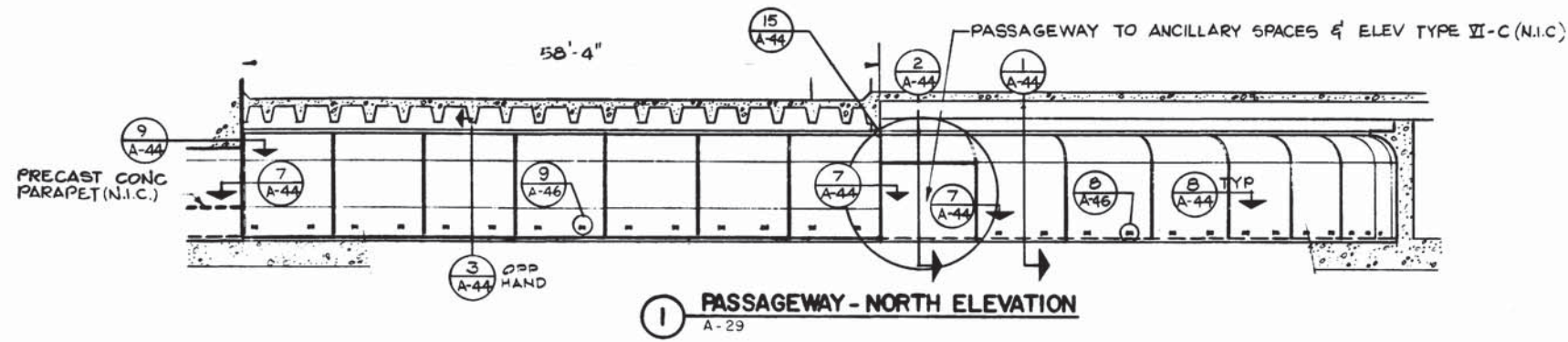
HARRY WESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED *[Signature]*

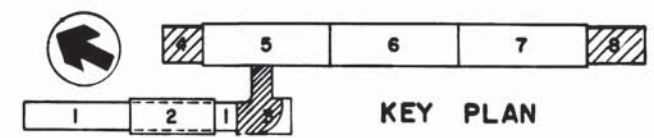
ROCKVILLE ROUTE		BETHESDA STATION		ESCALATORWAY SECTION	
SCALE	1/8" = 1'-0"	DRAWING NO.	A11b-A-32		
	1 2 4 6 8 10		M: 76 169		



DESIGNED R. McMAHON 3-8-77 DATE	REFERENCE DRAWINGS	REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		ROCKVILLE ROUTE BETHESDA STATION ENTRANCE ELEVATIONS		
DRAWN U. WING 3-10-77 DATE	NUMBER S-129	DESCRIPTION BETH. STA. ENTRANCE		DATE 7-8-77	BY J.K.	DESCRIPTION MODIFICATION @ ELEVATION ④	DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANTS	
CHECKED M. MAHAN 3-25-77 DATE	E-12	BETH. STA. ENTRANCE PLAN & SECTION		DATE 11-28-77	BY J.K.	DESCRIPTION CORRECTED CONCRETE PAVING		
APPROVED J. KRESS 3-25-77 DATE				DATE 1-2-88	BY HTN	DESCRIPTION REVIS PER REV. 16 CONSULT		
			SUBMITTED <i>[Signature]</i> DATE 5/12/77		APPROVED <i>[Signature]</i>			



ANCILLARY SPACES - PLATFORM LEVEL



DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		
		NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
J.R. KRESS	12-20-73	S-140	NORTH SERVICE AREA PLANS & SECTIONS			
G.E. BERGER	1-21-74	S-168	SOUTH SERVICE AREA PLANS & SECTIONS			
M. MAHAN	3-25-77					
J.R. KRESS	3-25-77					



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

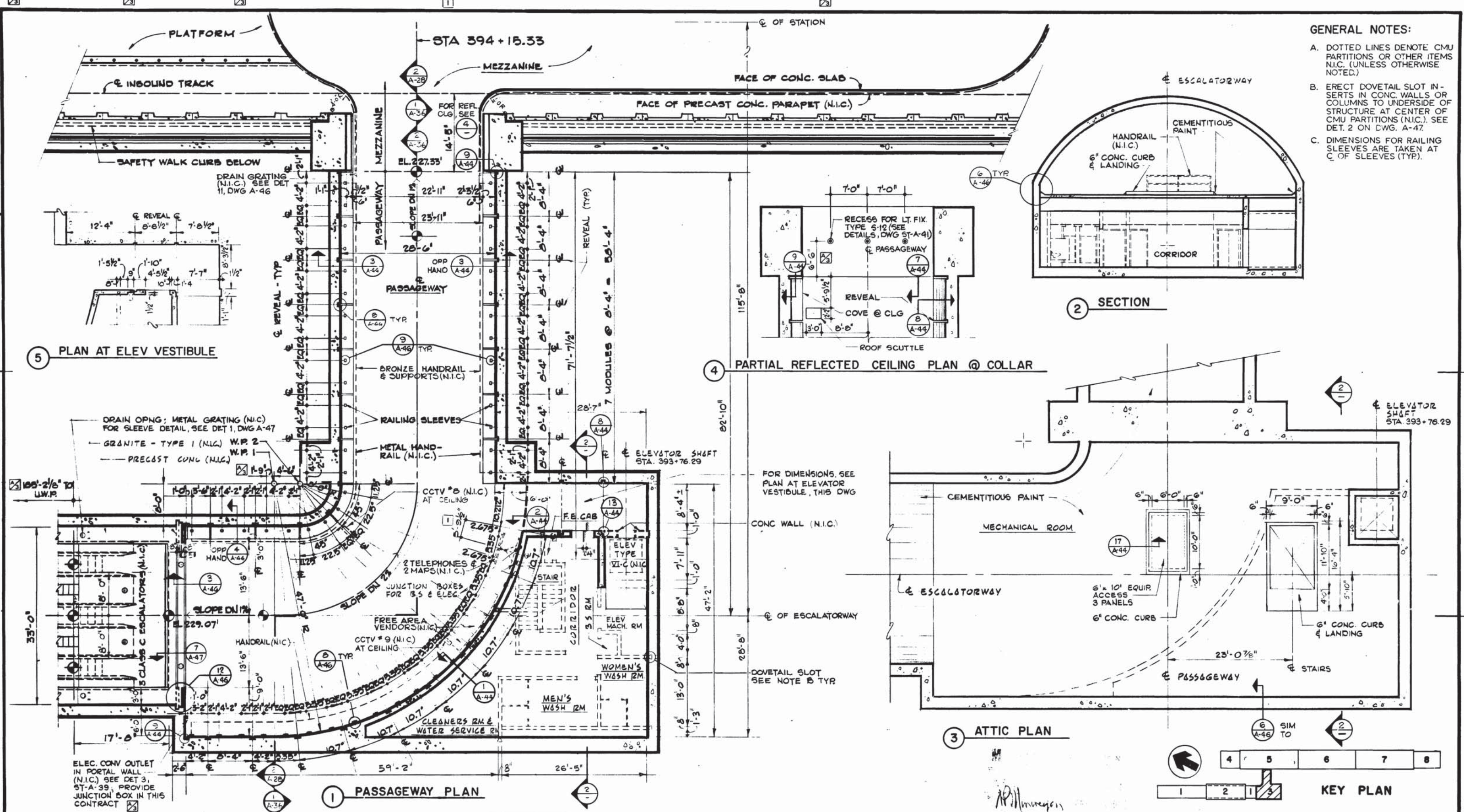
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Lee Smith* DATE *5/2/77* APPROVED *Robert J. ...*

**ROCKVILLE ROUTE
BETHESDA STATION
ANCILLARY ELEVATIONS**

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

DRAWING NO. **A11b-A-36** M276-164



- GENERAL NOTES:**
- A. DOTTED LINES DENOTE CMU PARTITIONS OR OTHER ITEMS N.I.C. (UNLESS OTHERWISE NOTED.)
 - B. ERECT DOVETAIL SLOT INSERTS IN CONC. WALLS OR COLUMNS TO UNDERSIDE OF STRUCTURE AT CENTER OF CMU PARTITIONS (N.I.C.). SEE DET. 2 ON DWG. A-47.
 - C. DIMENSIONS FOR RAILING SLEEVES ARE TAKEN AT C. OF SLEEVES (TYP.).

DESIGNED J.R. KRESS 12-8-73
 DRAWN C.E. BERGER 4-23-74
 CHECKED M. MAHAN 3-25-77
 APPROVED J.R. KRESS 3-25-77

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
M-33	ENTRANCE ANCILLARY SPACES PLAN & SECTION	10-12-77	J.K.
E-10	PASSAGWAY - ANCILLARY PLAN		
S-43	PASSAGWAY ROOF SLAB PLAN & DETAIL		HTJ



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

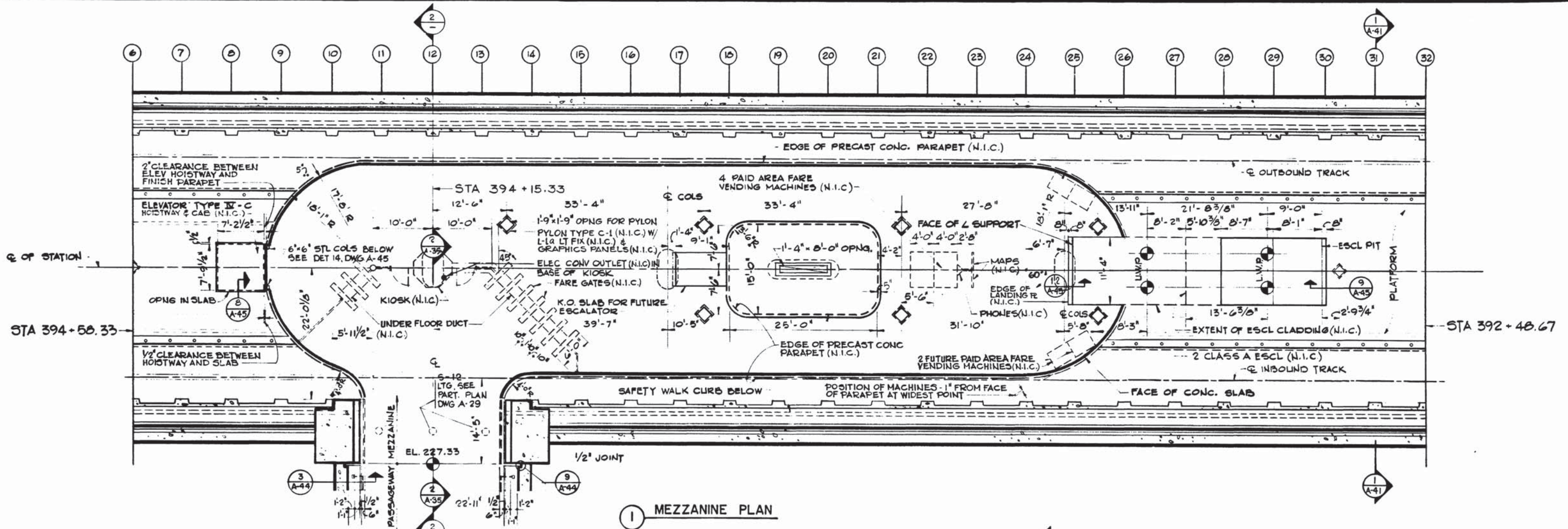
DE LEUW, CATHIER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

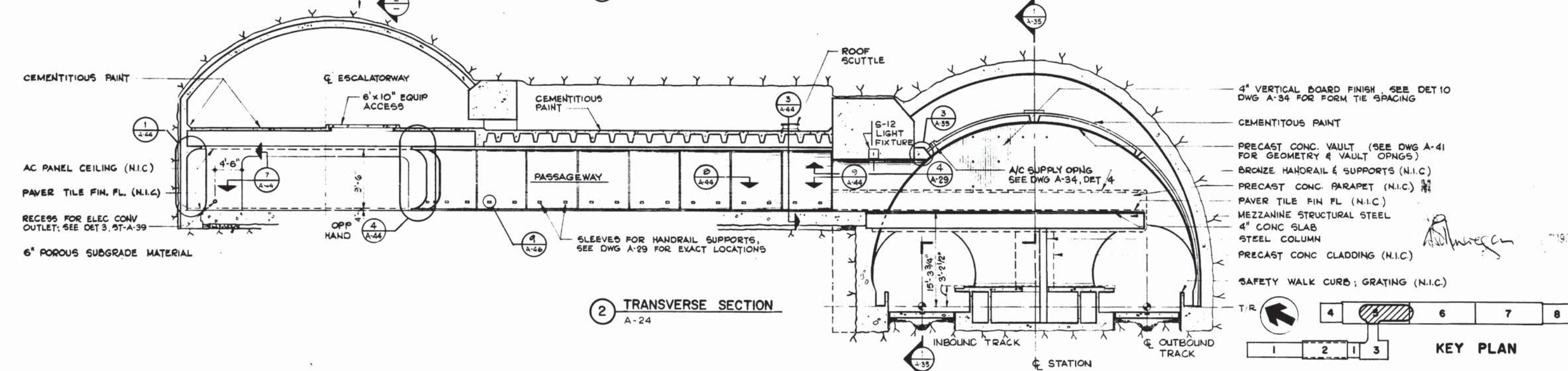
SUBMITTED [Signature] DATE [Date]
 APPROVED [Signature]

**ROCKVILLE ROUTE
 BETHESDA STATION
 PASSAGWAY - ANCILLARY PLAN**

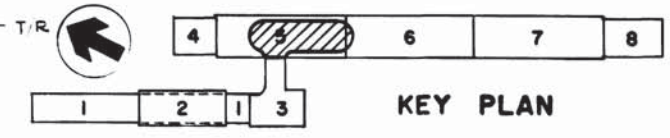
SCALE 1/8" = 1'-0" 10 2 4 6 8 10
 DRAWING NO. A11b-A-29
 M276-163



1 MEZZANINE PLAN



2 TRANSVERSE SECTION
A-24



KEY PLAN

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
J.R. KRESS	12-1-73	S-152	MEZZANINE FRAMING PLAN AND DETAILS		
C.E. BERGER	4-1-74	M-34	MEZZANINE PLAN		
M. MAHAN	3-25-77	E-8	MEZZANINE PLAN		
J.R. KRESS	3-25-77				



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

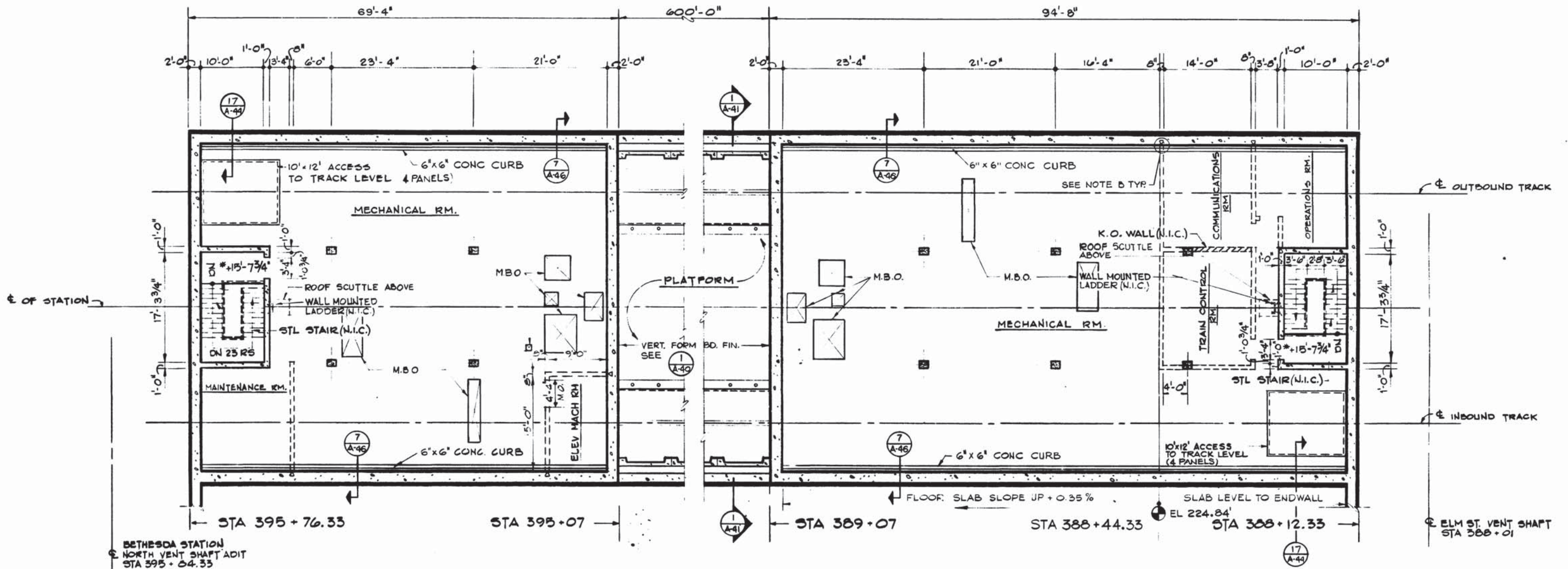
HARRY WEESSE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Tom Chateau* DATE *5/1/75* APPROVED *Robert Weisse*

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

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

DRAWING NO. **A11b-A-28** M276-162

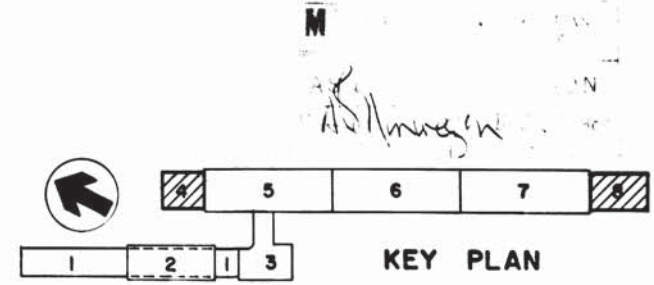


① PLAN SERVICE ROOMS (NORTH)

② PLAN SERVICE ROOMS (SOUTH)

GENERAL NOTES

- A. DOTTED LINES DENOTE CMU PARTITIONS OR OTHER ITEMS NIC (UNLESS OTHERWISE NOTED).
- B. ERECT DOVETAIL SLOT INSERTS IN CONC. WALLS OR COLUMNS TO UNDERSIDE OF STRUCTURE AT CENTERS OF CMU PARTITIONS (NIC). SEE DETAIL 2 ON DWG. A-47.



DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	BY
J.R. KRESS	12-20-75	S-140	NORTH SERVICE AREA PLANS AND SECTIONS		
C.F. BERGER	1-21-76	S-168	SOUTH SERVICE AREA PLANS AND SECTIONS		
M. MAHAN	3-25-77	M-37	NORTH ANCILLARY SPACES - PLATFORM LEVEL		
J.R. KRESS	3-25-77	M-41	SOUTH ANCILLARY SPACES - PLATFORM LEVEL		
		E-3	NORTH & SOUTH ANCILLARY SPACES - PLATFORM LEVEL		



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

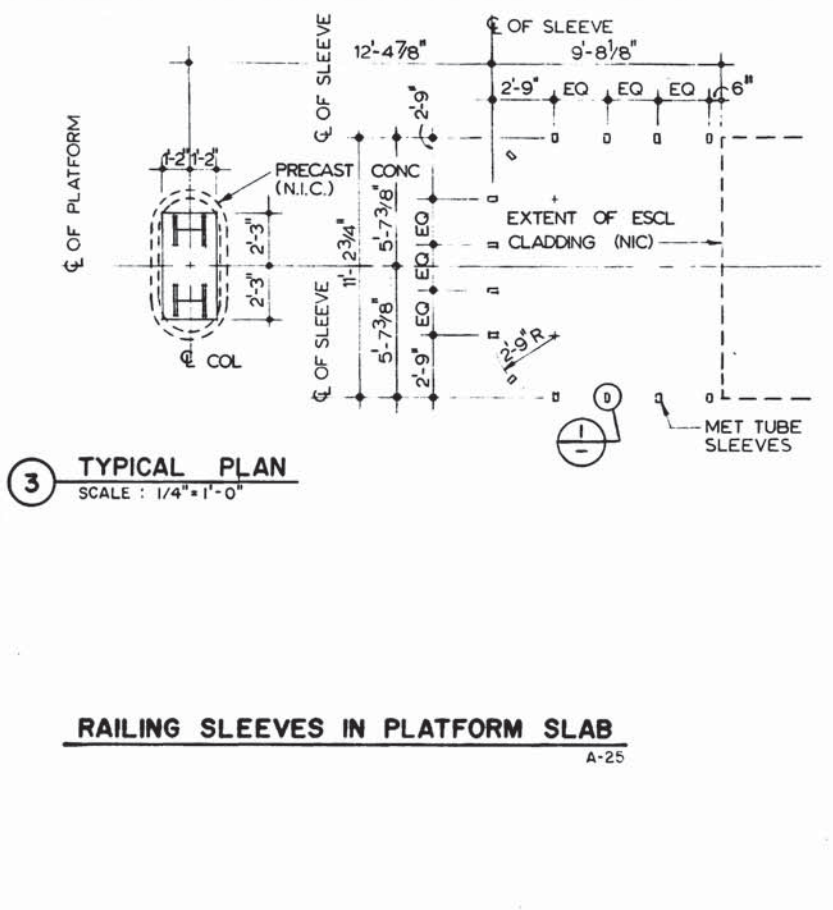
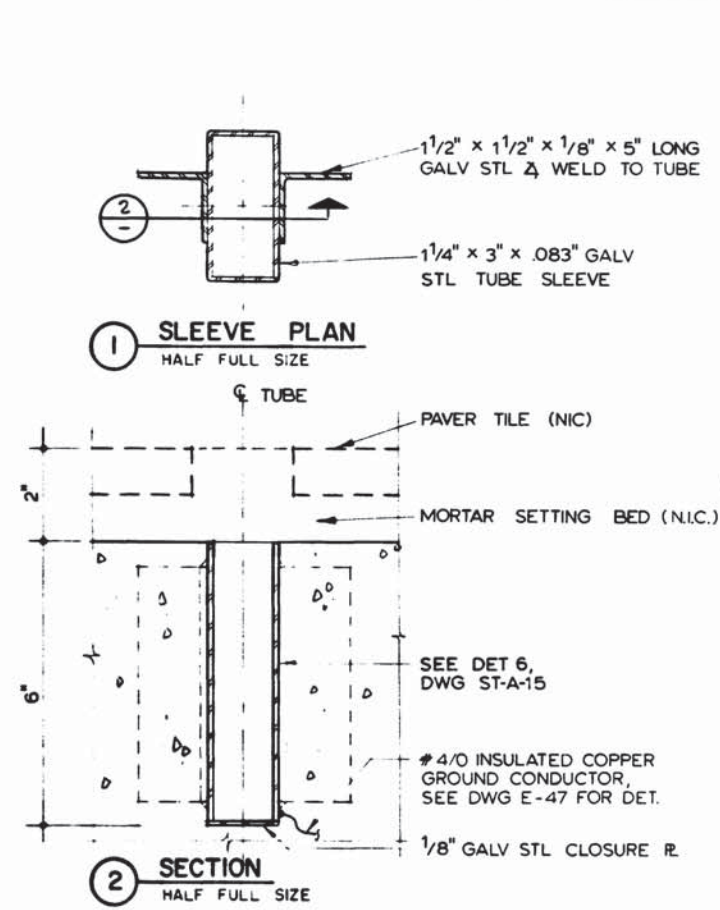
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: *[Signature]* DATE: 5/1/77 APPROVED: *[Signature]*

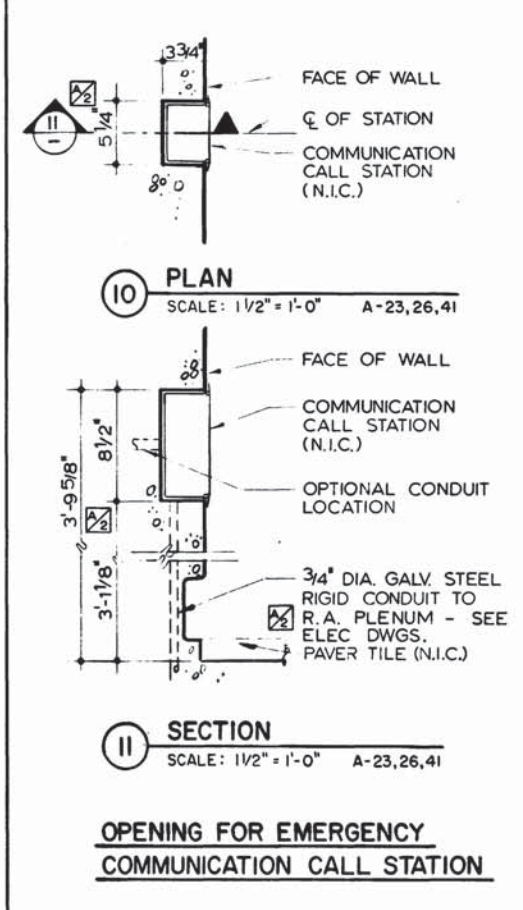
ROCKVILLE ROUTE
BETHESDA STATION
ANCILLARY SPACES - MEZZANINE LEVEL

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

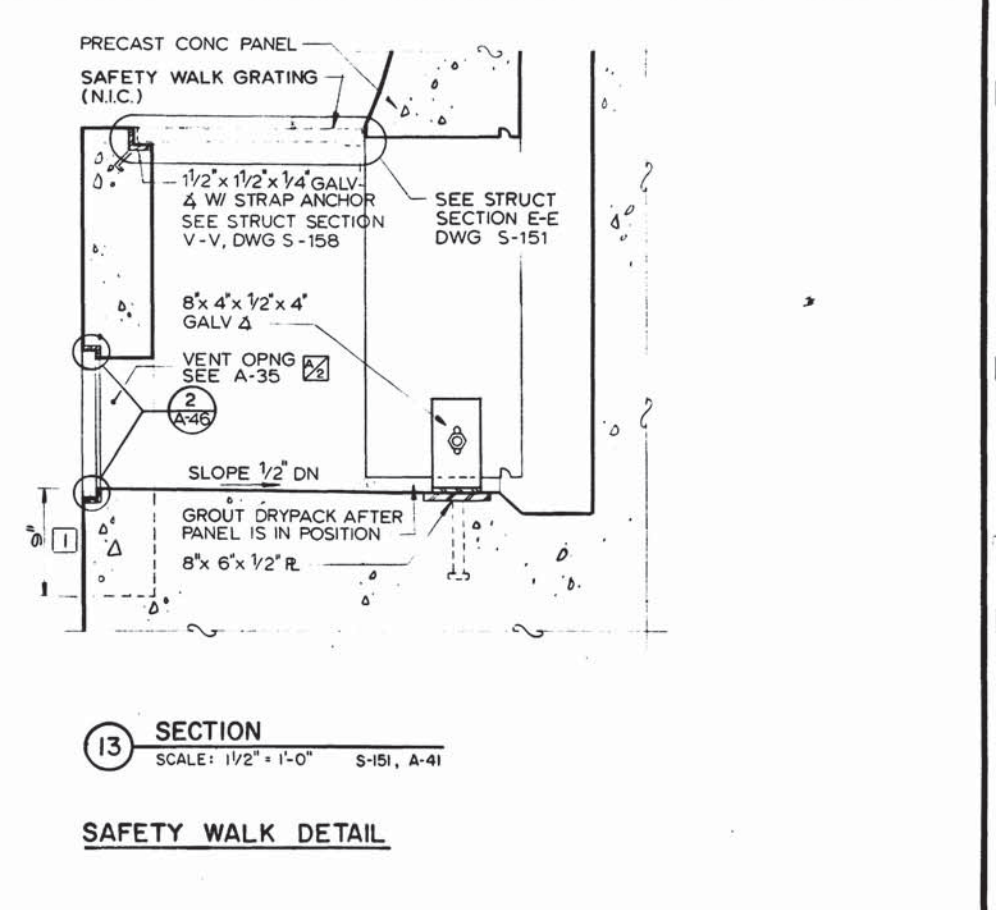
DRAWING NO. **A11b-A-27** M276-16i



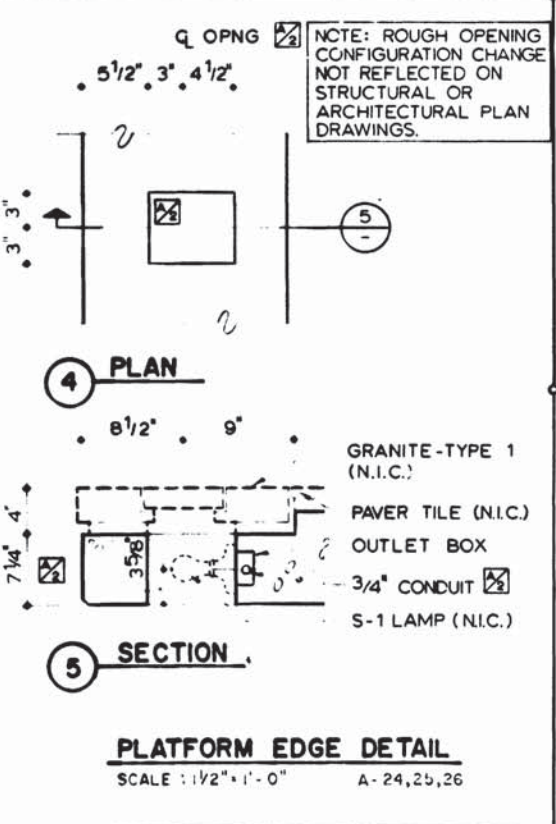
RAILING SLEEVES IN PLATFORM SLAB
A-25



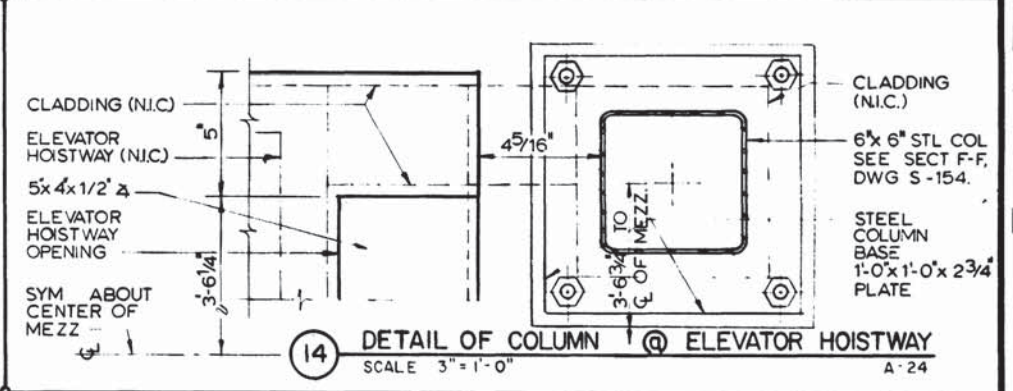
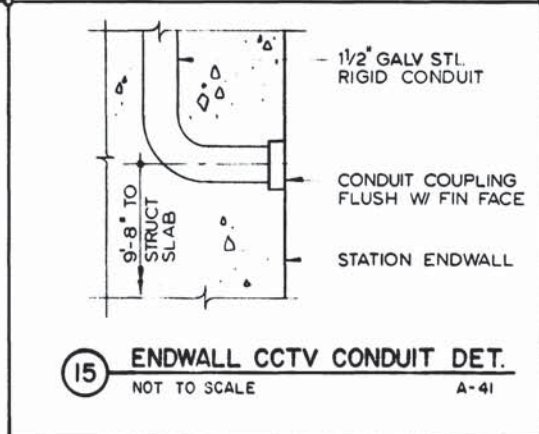
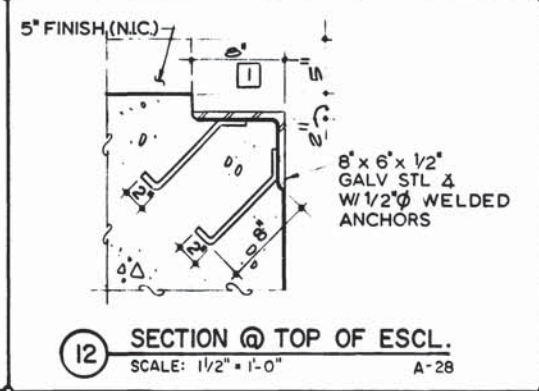
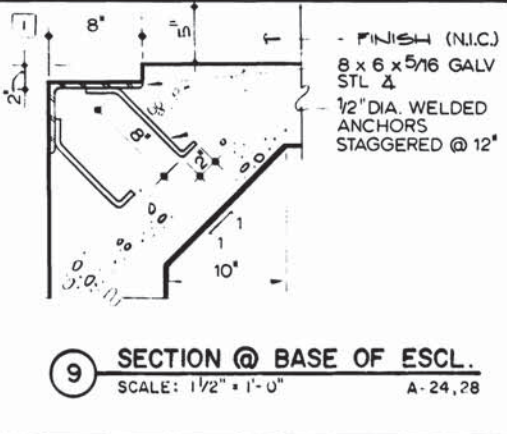
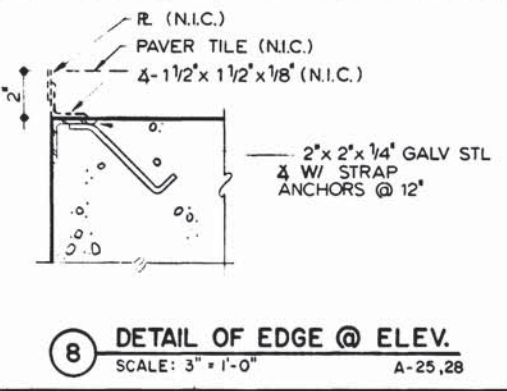
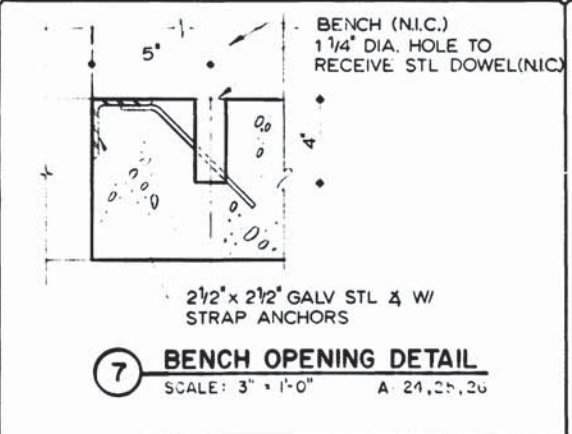
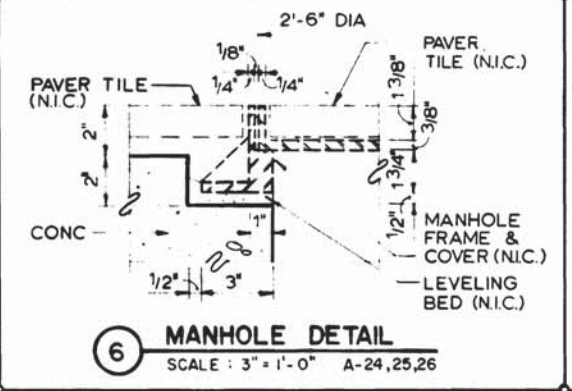
OPENING FOR EMERGENCY COMMUNICATION CALL STATION



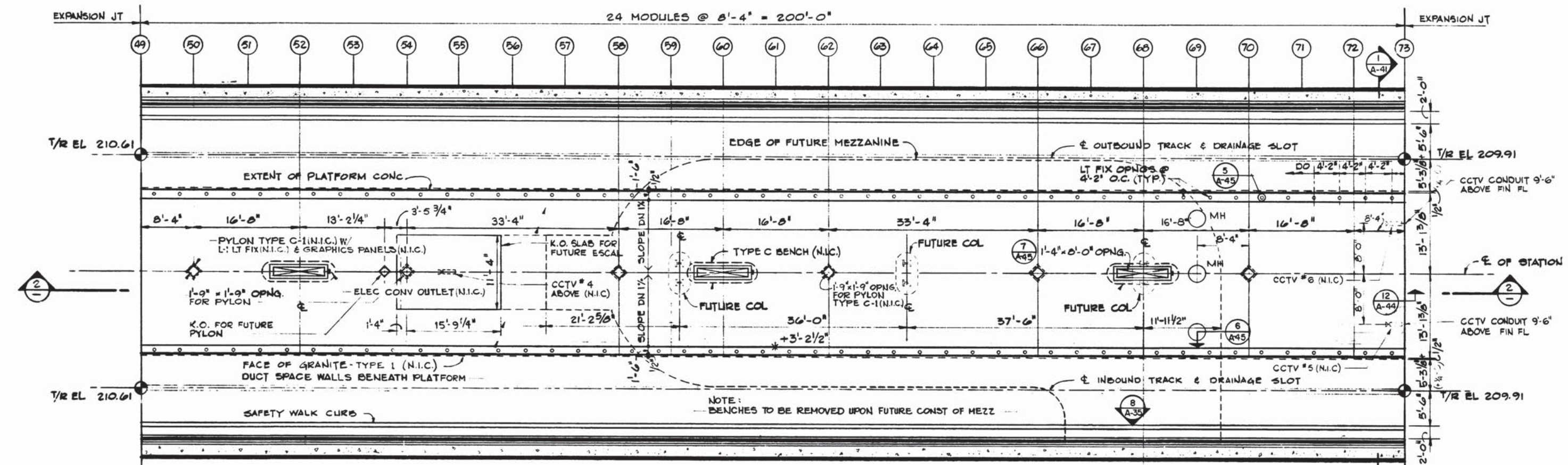
SAFETY WALK DETAIL



PLATFORM EDGE DETAIL
SCALE: 1/2" = 1'-0" A-24, 25, 26



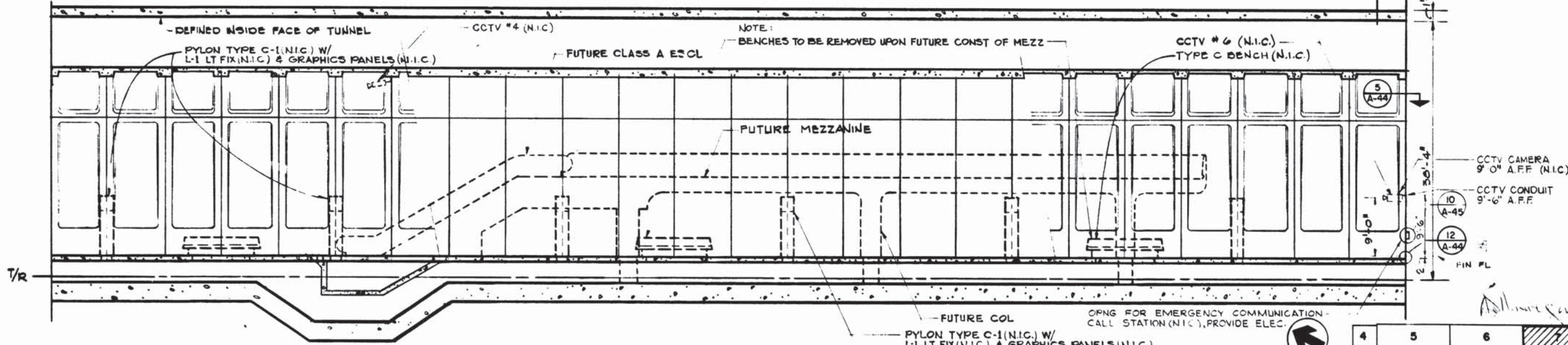
DESIGNED			DRAWN			CHECKED			APPROVED				
J.R. KRESS	3-18-77	DATE	U WING	2-20-77	DATE	M MAHAN	3-23-77	DATE	J.R. KRESS	3-23-77	DATE		
REFERENCE DRAWINGS													
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION									
S-151	PRECAST VAULT DETAILS	7-8-77	J K	GENERAL REVISIONS									
S-221	PLATFORM PLAN	2-10-77	MD	REV PER FIELD CONDITION									
REVISIONS													
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION									
1	REV PER FIELD CONDITION	2-10-77	MD										
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: <i>Ken Shaw</i>				DATE: <i>3/21/77</i>				APPROVED: <i>Kathleen Miller</i>					
ROCKVILLE ROUTE BETHESDA STATION PLATFORM DETAILS										DRAWING NO. A11b-A-45		M276-160	
SCALE: 1/4" = 1'-0" AND AS NOTED													



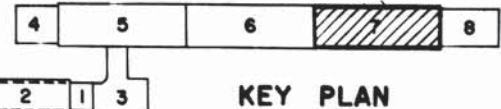
1 PLATFORM PLAN

STA 391+07

STA 389+07



2 PLATFORM SECTION



KEY PLAN

DESIGNED	J.R. KRESS	DATE	1-2-74
DRAWN	G.E. BERGER	DATE	1-18-74
CHECKED	M. MAHAN	DATE	3-25-77
APPROVED	J.R. KRESS	DATE	3-25-77

REFERENCE DRAWINGS	REVISIONS
NUMBER DESCRIPTION	DATE BY DESCRIPTION
S-147 PLATFORM PLAN	
M-40 PLATFORM PLAN	
E-7 PLATFORM PLAN	



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

SUBMITTED *[Signature]* DATE *[Date]*

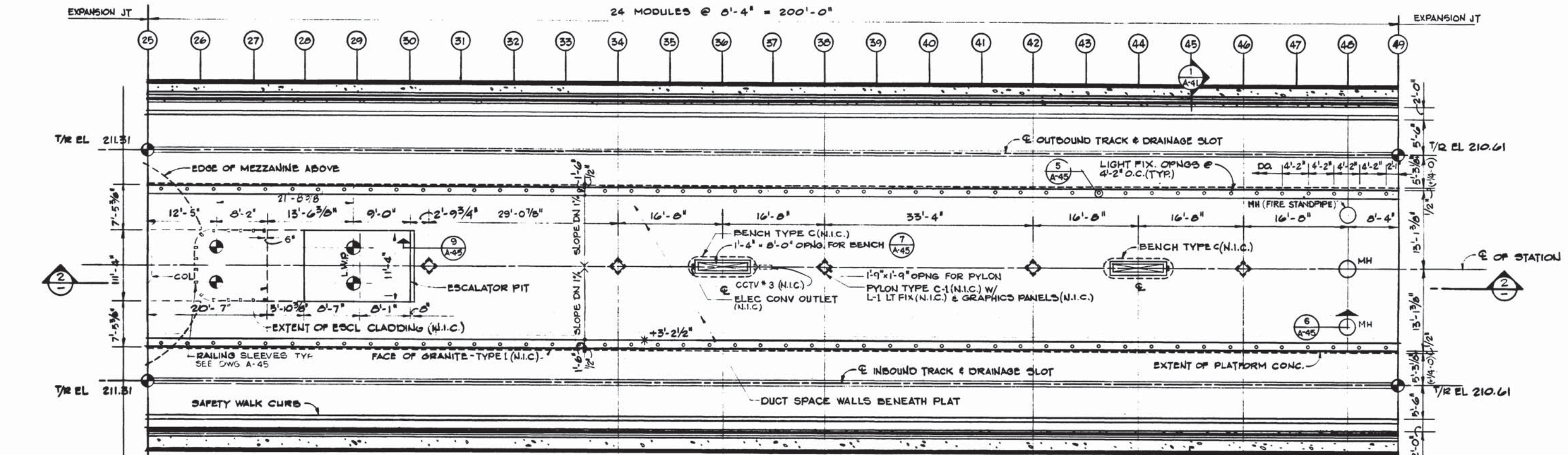
DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED *[Signature]*

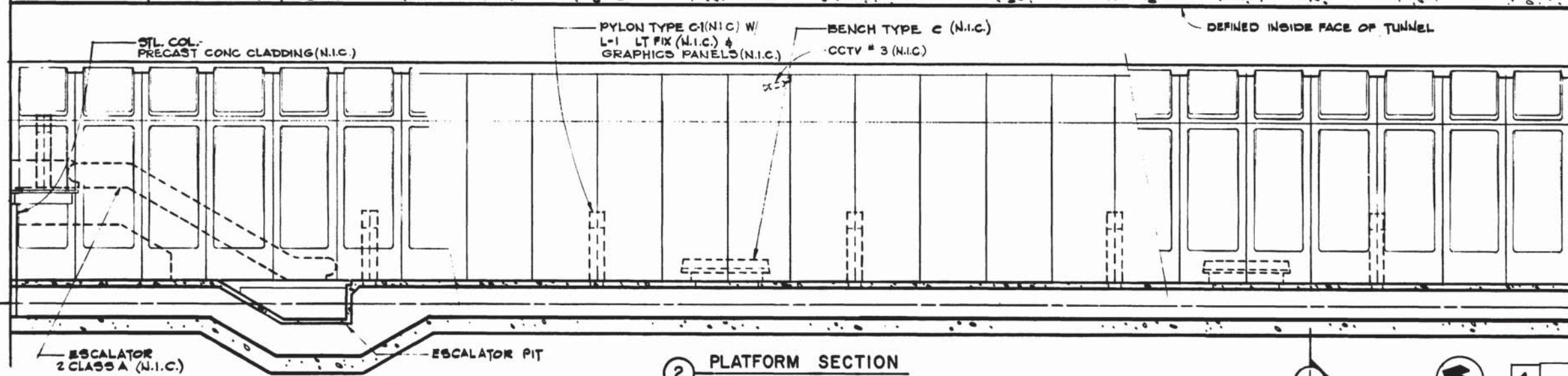
ROCKVILLE ROUTE
BETHESDA STATION
PLATFORM PLAN AND SECTION

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

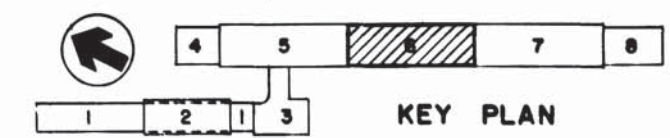
DRAWING NO. A11b-A-26 M276-159



1 PLATFORM PLAN



2 PLATFORM SECTION



STA 393+07

STA 391+07

DESIGNED	J.R. KRESS	1-28-79	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	C.E. BERBER	2-8-79	DATE	S-147	PLATFORM PLAN			
CHECKED	M. MAHAN	3-25-77	DATE	M-39	PLATFORM PLAN			
APPROVED	J.R. KRESS	3-25-77	DATE	L-6	PLATFORM PLAN			

3066-2

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

SUBMITTED *Len [Signature]* DATE *5/1/77*

DE LEUW, CATHY & COMPANY
GENERAL ENGINEERING CONSULTANT

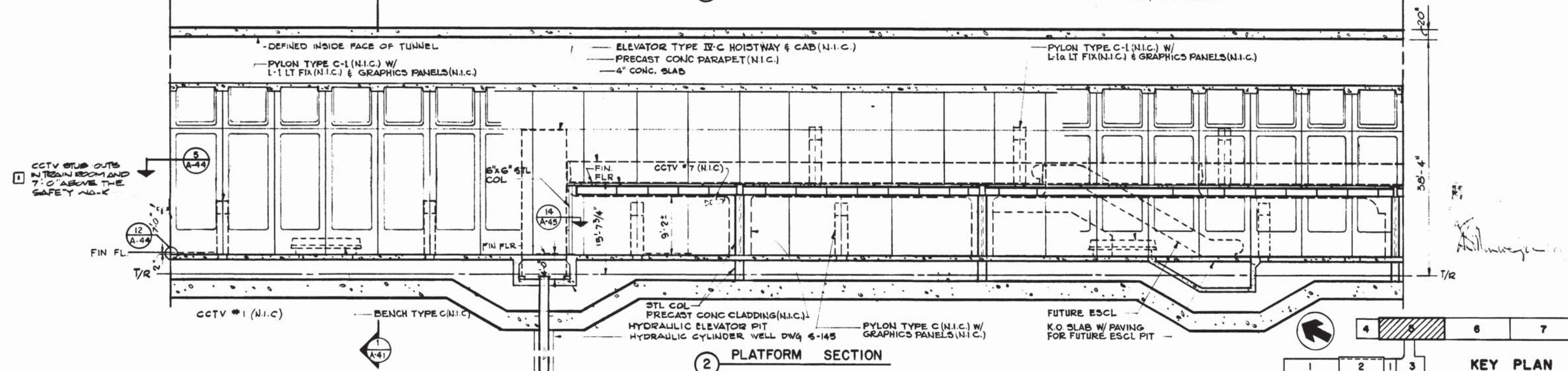
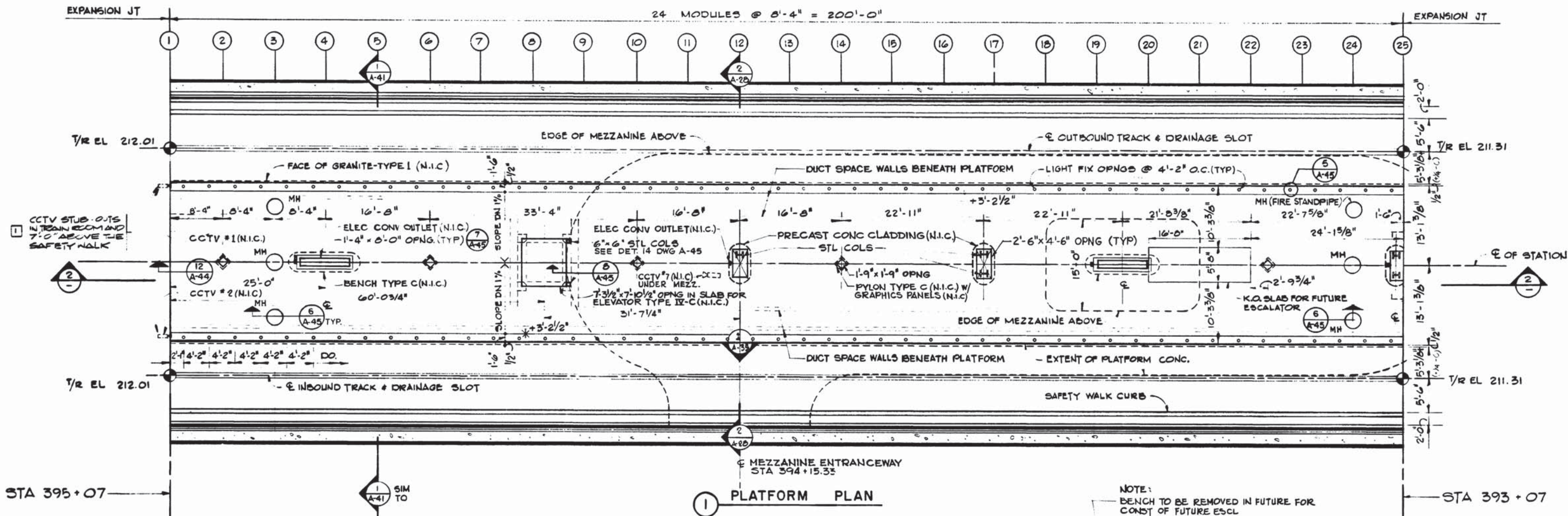
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED *Robert [Signature]*

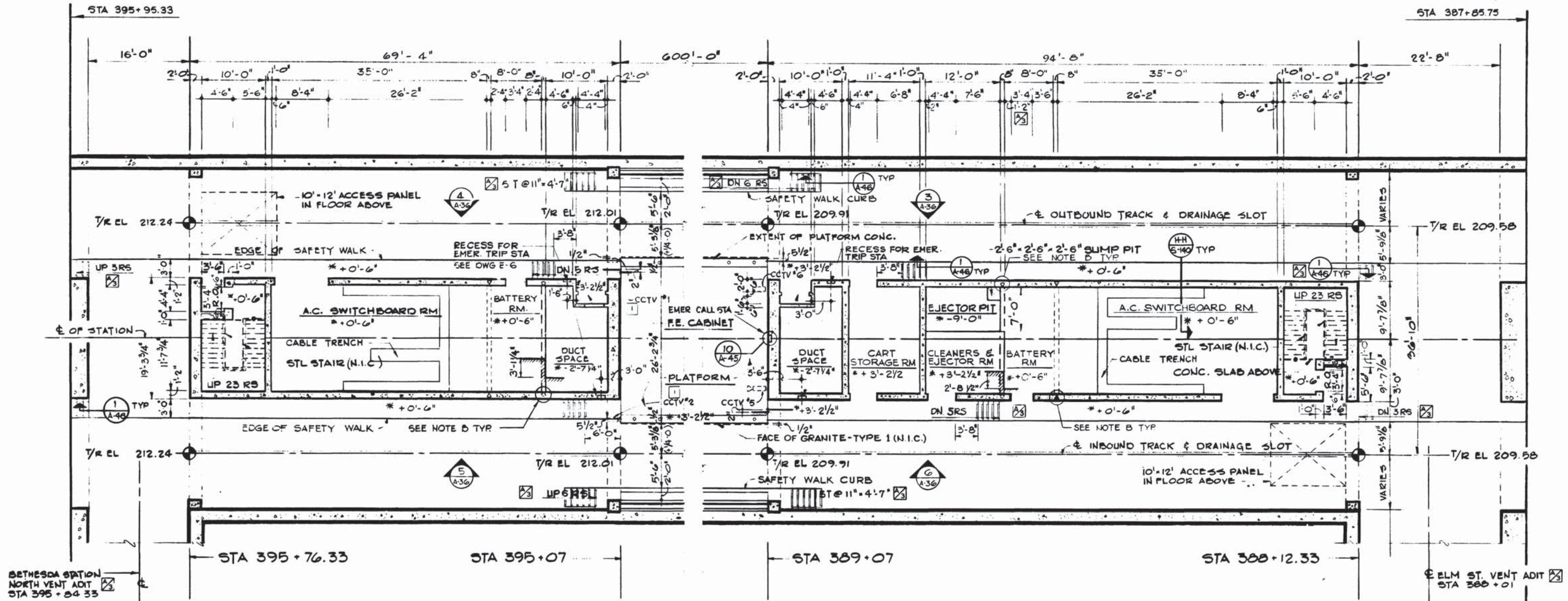
ROCKVILLE ROUTE
BETHESDA STATION
PLATFORM PLAN AND SECTION

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

DRAWING NO. A11b-A-25 M276-158



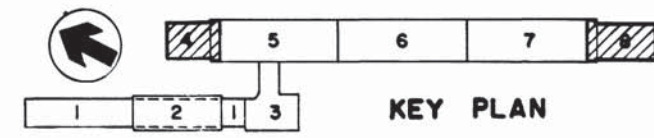
DESIGNED J.R. KRESS DATE 2-8-79	REFERENCE DRAWINGS	REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		ROCKVILLE ROUTE BETHESDA STATION PLATFORM PLAN AND SECTION	
DRAWN G.E. BERGER DATE 2-14-79	NUMBER DESCRIPTION	DATE BY DESCRIPTION		MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER		DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT	
CHECKED M. MAHAN DATE 3-25-77	M 38 PLATFORM PLAN	0 2 22 JTN 1 KEV PER CIV (41 EV) AS FULL		HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT		SCALE 1/8" = 1'-0" 1 2 4 6 8 10	
APPROVED J.R. KRESS DATE 3-25-77	E-5 PLATFORM PLAN			SUBMITTED <i>Kevin Chatelain</i> DATE <i>5/12/77</i>		DRAWING NO. A11b-A-24	
				APPROVED <i>Kenneth J. DeLuw</i>		M276-157	



① PLAN SERVICE ROOMS (NORTH)

② PLAN SERVICE ROOMS (SOUTH)

- GENERAL NOTES**
- A. DOTTED LINES DENOTE CMU PARTITIONS OR OTHER ITEMS N.I.C. UNLESS OTHERWISE NOTED.
 - B. ERECT DOVETAIL SLOT INSERTS IN CONC. WALLS OR COLUMNS TO UNDERSIDE OF STRUCTURE AT CENTERS OF CMU PARTITIONS (N.I.C.). SEE DETAIL 2 ON DWG A-47.



DESIGNED J.R. KRESS 12-1-73
 DRAWN C.E. BERGER 12-19-73
 CHECKED M. MAHAN 3-25-77
 APPROVED J.R. KRESS 3-25-77

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
S-140	NORTH SERVICE AREA PLANS & SECTION	10-12-77	JK
S-168	SOUTH SERVICE AREA PLANS & SECTION		
M-37	NORTH ANCL. SPACES - PLAT. LEVEL		
M-41	SOUTH ANCL. SPACES - PLAT. LEVEL		
E-3	N & S ANCL. SPACES - PLAT. LEVEL		

REVISIONS	
DATE	DESCRIPTION
10-12-77	RELOCATED BATTERY RM DOOR & STAIRS AT ELM ST VENT ADIT; ADDED NOTES
	REV PER PCD 04 REV 1 AS BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

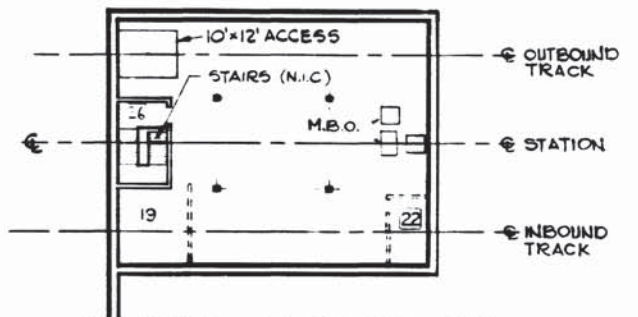
DE LEUW, CATHAR & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

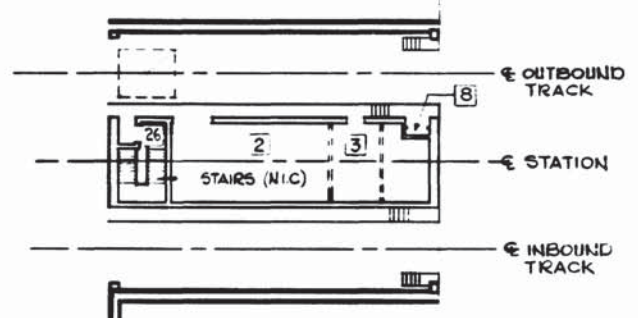
SUBMITTED: [Signature] DATE: 5/12/77 APPROVED: [Signature]

ROCKVILLE ROUTE
 BETHESDA STATION
 ANCILLARY SPACES - PLATFORM LEVEL

SCALE: 1/8" = 1'-0" 1 0 2 4 6 8 10
 DRAWING NO. A11b-A-23
 M-76-156

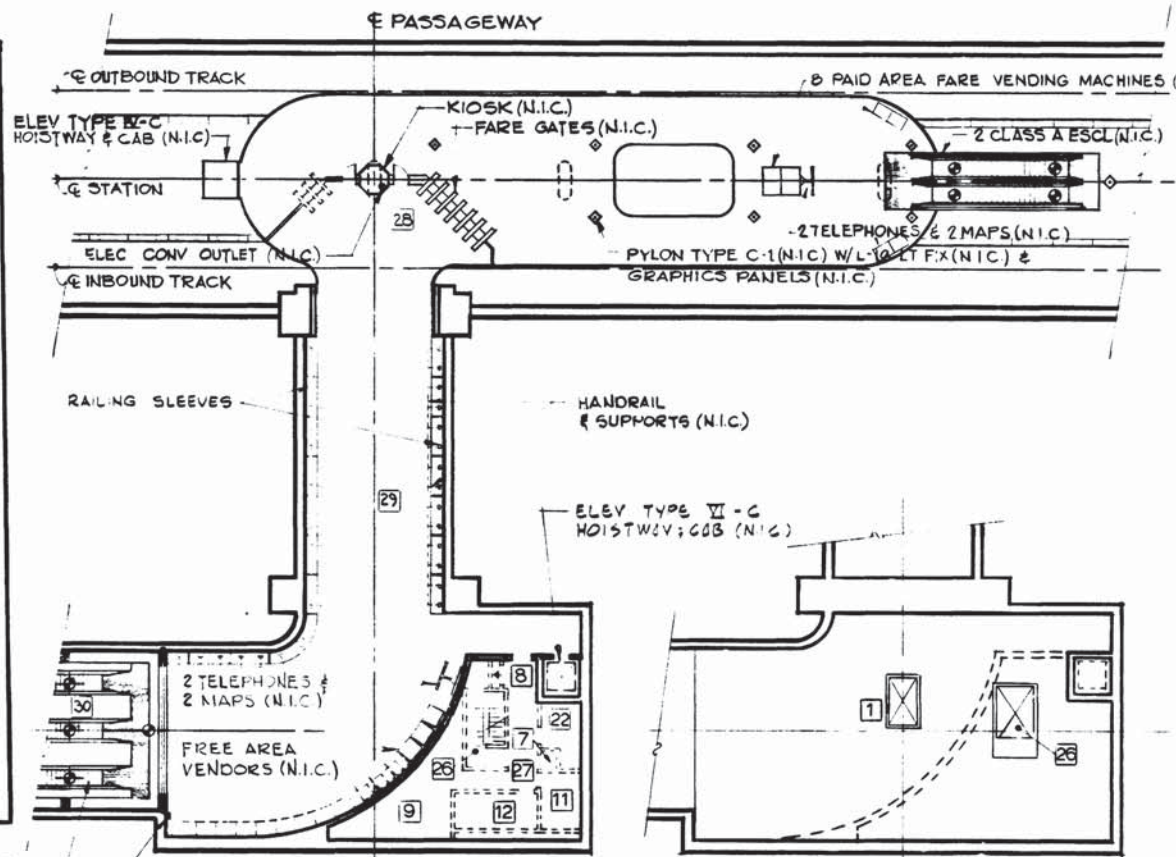


3 NORTH MEZZANINE LEVEL
SEE DWG A-27

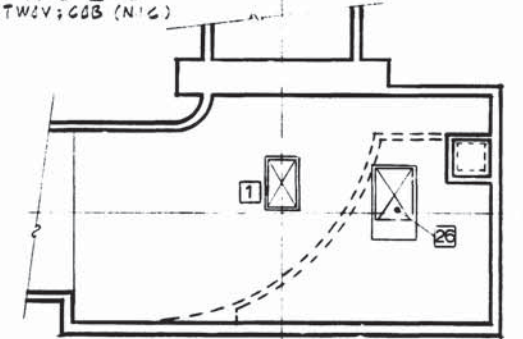


4 NORTH PLATFORM LEVEL
SEE DWG A-23

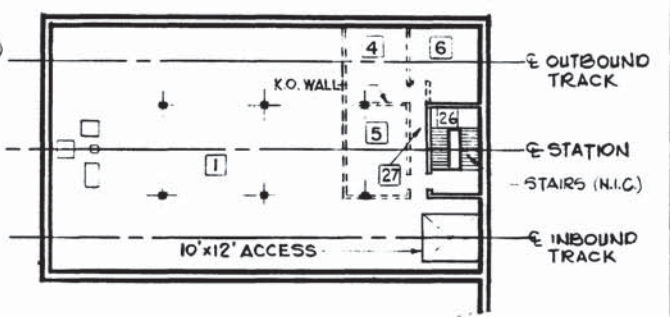
SPACE LEGEND	
1	MECHANICAL RM
2	A.C. SWITCHBOARD RM
3	BATTERY RM
4	COMMUNICATIONS RM
5	TRAIN CONTROL RM
6	OPERATIONS RM
7	BELL SYSTEM RM
8	FIRE EQUIPMENT CABINET
9	CLEANERS RM
10	CLEANERS & EJECTOR RM
11	WOMEN'S WASH RM
12	MEN'S WASH RM
13	WATER SERVICE RM
15	BUS DRIVERS' WASH RM
19	MAINTENANCE RM
22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



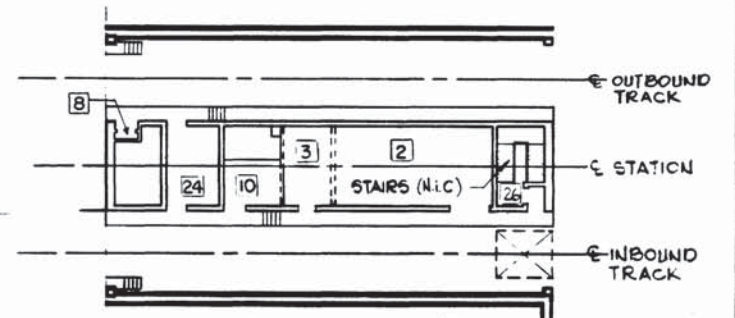
7 PASSAGEWAY & MEZZANINE
SEE DWGS A-28 & A-29



8 ATTIC PLAN
SEE DWG A-29

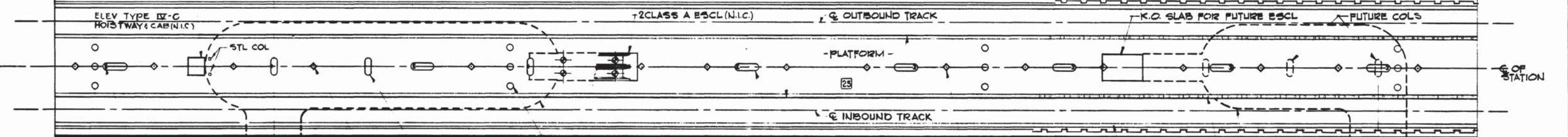


5 SOUTH MEZZANINE LEVEL
SEE DWG A-27

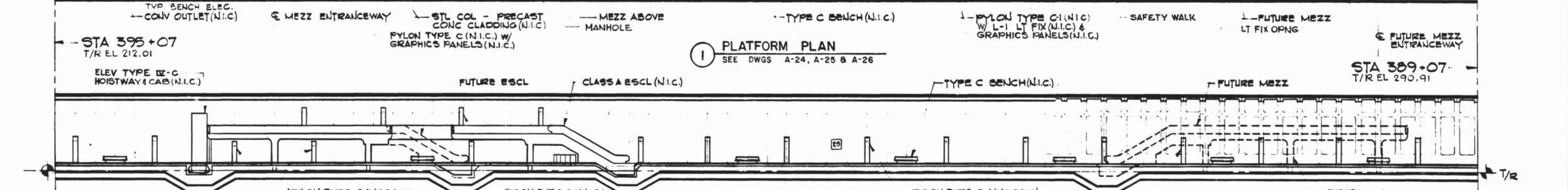


6 SOUTH PLATFORM LEVEL
SEE DWG A-23

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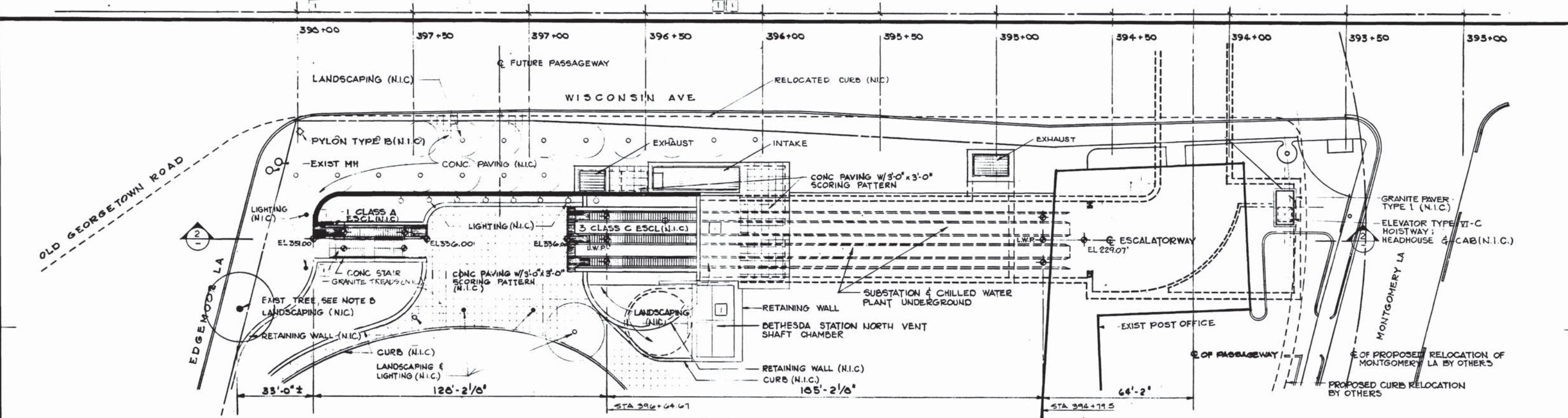


1 PLATFORM PLAN
SEE DWGS A-24, A-25 & A-26

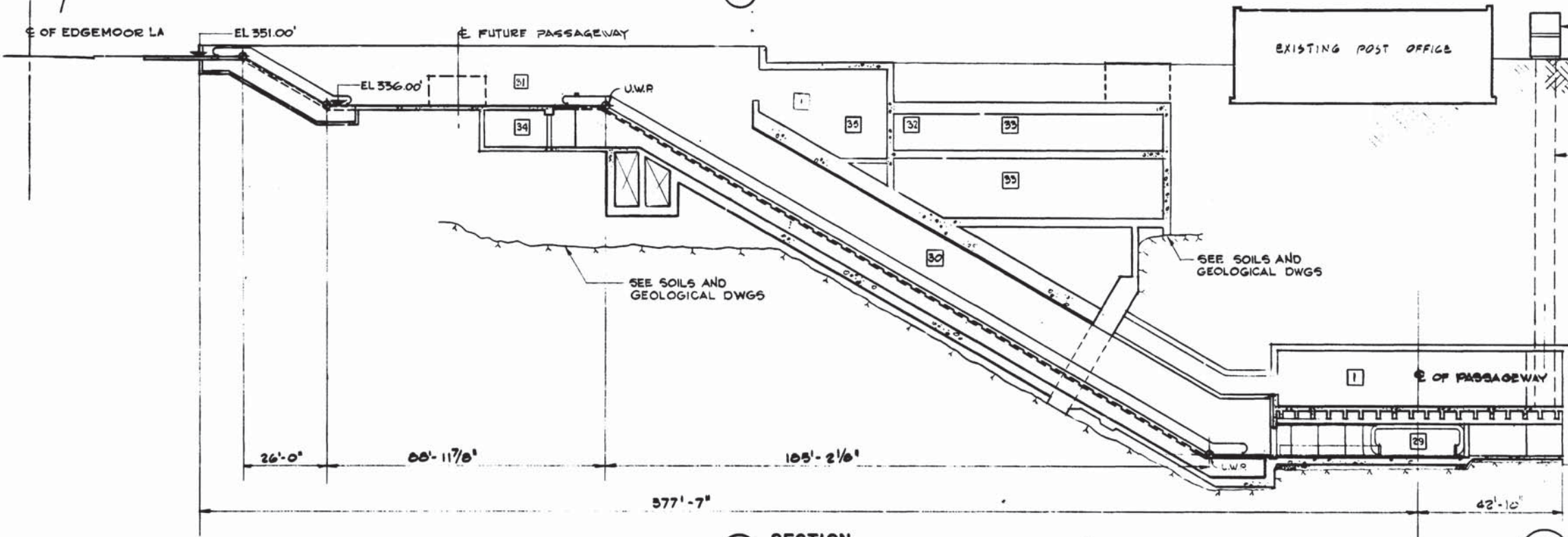


2 PLATFORM SECTION
SEE DWGS A-24, A-25 & A-26

DESIGNED J.R. KRESS DATE 4-1-74	DRAWN C.F. BERGER DATE 4-21-74	CHECKED M. MAHAN DATE 3-25-77	APPROVED J.R. KRESS DATE 3-25-77	<table border="1" style="width: 100%; border-collapse: collapse;"> <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>E-4</td> <td>ELEC KEY PLAN</td> <td></td> <td></td> </tr> <tr> <td>S-10</td> <td>KEY PLAN & PROFILE</td> <td></td> <td></td> </tr> <tr> <td>T-11</td> <td>KEY PLAN & PROFILE</td> <td></td> <td></td> </tr> </tbody> </table>	REFERENCE DRAWINGS		REVISIONS		NUMBER	DESCRIPTION	DATE	BY	E-4	ELEC KEY PLAN			S-10	KEY PLAN & PROFILE			T-11	KEY PLAN & PROFILE				<p>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</p> <p>MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER</p> <p>DE LEUW, CATHAR & COMPANY GENERAL ENGINEERING CONSULTANT</p> <p>HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT</p> <p>SUBMITTED: [Signature] DATE: 5/1/77</p> <p>APPROVED: [Signature]</p>	<p>ROCKVILLE ROUTE BETHESDA STATION</p> <p>FUNCTIONAL PLANS—MEZZANINE & PLATFORM LEVELS</p> <p>SCALE: 1" = 20' 0 5 10 20</p> <p>DRAWING NO. A11b-A-22 M276-155</p>
REFERENCE DRAWINGS		REVISIONS																									
NUMBER	DESCRIPTION	DATE	BY																								
E-4	ELEC KEY PLAN																										
S-10	KEY PLAN & PROFILE																										
T-11	KEY PLAN & PROFILE																										



1 PLAN



2 SECTION

- GENERAL NOTES:**
- A. SITE WORK, PAVING AND LANDSCAPING ARE N.I.C. THIS INFORMATION HAS BEEN INCLUDED FOR REFERENCE ONLY.
 - B. PROTECT ALL EXIST TREES IN AND AROUND THE CONSTRUCTION AREAS. USE TEMPORARY TREE GUARD DETAIL (ST-U-16) AS REQUIRED. VERIFY LOCATIONS WITH THE ENGINEER.
 - C. SEE SPACE LEGEND, DWG A-22.



KEY PLAN

DESIGNED	J. R. KRESS	4-1-74
DRAWN	C. E. BERGER	4-23-74
CHECKED	M. MAHAN	3-25-77
APPROVED	J. R. KRESS	3-25-77

REFERENCE DRAWINGS	
NUMBER	DESCRIPTION
J-4	UTILITIES
M-32	ENTRANCE STATION
E-12	ENTRANCE PLAN AND SECTION

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	06-08-74	REVISED TO AS BUILT



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

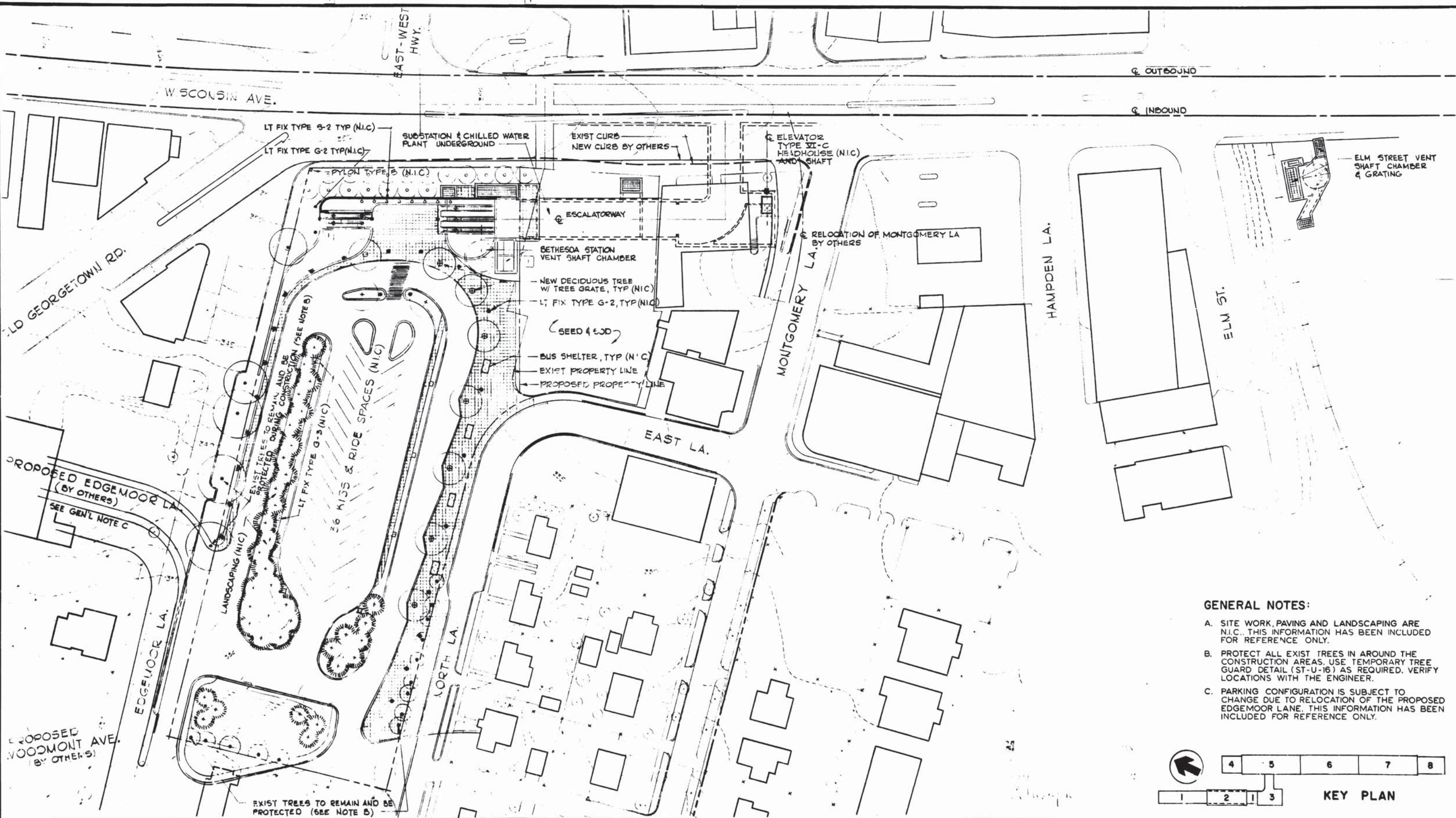
HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *[Signature]* DATE *3/21/77* APPROVED *[Signature]*

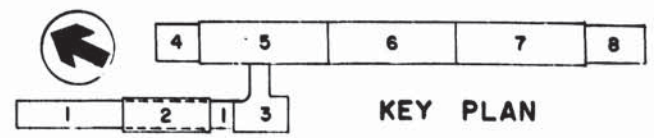
**ROCKVILLE ROUTE
BETHESDA STATION
FUNCTIONAL ENTRANCE PLAN & SECTION**

SCALE: 1" = 20'-0"

DRAWING NO. **A11b-A-21** M276-154



- GENERAL NOTES:**
- A. SITE WORK, PAVING AND LANDSCAPING ARE N.I.C.. THIS INFORMATION HAS BEEN INCLUDED FOR REFERENCE ONLY.
 - B. PROTECT ALL EXIST TREES IN AROUND THE CONSTRUCTION AREAS. USE TEMPORARY TREE GUARD DETAIL (ST-U-16) AS REQUIRED. VERIFY LOCATIONS WITH THE ENGINEER.
 - C. PARKING CONFIGURATION IS SUBJECT TO CHANGE DUE TO RELOCATION OF THE PROPOSED EDGEMOOR LANE. THIS INFORMATION HAS BEEN INCLUDED FOR REFERENCE ONLY.



DESIGNED	J. B. KRESS	4-1-74
DATE		
DRAWN	C. F. BERGER	4-28-74
DATE		
CHECKED	M. MAHAN	3-25-77
DATE		
APPROVED	J. B. KRESS	3-25-77
DATE		

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
S-129	BETHESDA STATION ENTRANCE			
M-11	KEY PLAN AND PROFILE			
F-12	ENTRANCE PLAN			
U-4	UTILITIES			

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

SUBMITTED *Leon Chotik* DATE 5/14/77

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED *Robert W. Weese*

**ROCKVILLE ROUTE
BETHESDA STATION
FUNCTIONAL SITE PLAN**

SCALE: 1" = 40'

DRAWING NO. A11b-A-20 M276-153

ABBREVIATIONS

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

GENERAL NOTES

- DIMENSIONS ARE TYPICALLY ROUNDED OFF TO NEAREST 1/8 INCH.
- SEE STRUCTURAL DRAWINGS FOR MEMBRANE WATERPROOFING ON ROCK OR SOIL SIDE OF WALLS, ROOFS AND UNDER FLOOR SLABS.
- STATION-PLATFORM ENDWALLS ARE NORMAL TO T/R.
- TRANSITION AT INTERSECTIONS - EXTERNAL CONCRETE CORNERS NOT DETAILED, ARE TO BE BULLNOSED (3/4" RADIUS).

MATERIALS

	BRICK
	CEMENT MORTAR / SAND
	CONCRETE PRECAST & POURED-IN-PLACE
	CONCRETE MASONRY UNIT
	EARTH
	GRAVEL
	INSULATION - THERMAL/ACOUSTIC
	METAL - FERROUS
	METAL - NON FERROUS
	METAL - ELEVATION
	METAL - SMALL SCALE
	PLASTER
	PLYWOOD
	CERAMIC OR QUARRY TILE
	RESILIENT FLOORING
	GRANITE
	WOOD - FINISH
	WOOD - STRUCTURAL
	CONCRETE MASONRY UNIT (N.I.C.) - SMALL SCALE

SYMBOLS

2 TITLE
3" = 1'-0" A-7, A-10
SCALE WHERE DETAIL IS CUT

2 OR **A-7**
DETAIL NUMBER SHEET NUMBER
DETAIL ON SAME SHEET

2
DETAIL NUMBER
SHEET NUMBER ADDITIONAL REFERENCE IF NECESSARY

EL. 100.00'
FINISHELEVATION - DATUM

12.07
ELEVATION - EXISTING GRADE

12.07
ELEVATION - NEW GRADE

*+3'-2 1/2"
FINISH ELEVATION FROM T/R

☉ OR CENTER LINE

PROPERTY LINE

- - -
EXISTING CONTOUR

NEW CONTOUR

SPACE DESCRIPTION
MECHANICAL ROOM

2-3 13
FINISH MARK
SPACE NUMBER
LEVEL INDICATION
1-PLATE; 2-MEZZ;
3-GRADE LEVEL
SEGMENT (SEE KEY PLAN)

SPACE IDENTIFICATION
M
ROOM NUMBER

ASSIGN CONDITION
A
DATE 2.7.82

DOOR SYMBOL

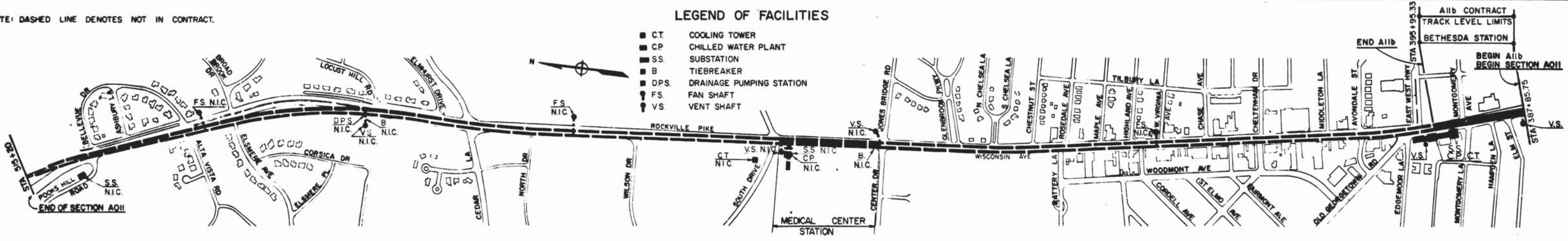
SEGMENT (SEE KEY PLAN)
2-13
CONSECUTIVE NUMBER

PLAN VIEW: DOVETAIL ANCHOR SLOT
W/ C.M.U. WALL (N.I.C.)

NOTE: DASHED LINE DENOTES NOT IN CONTRACT.

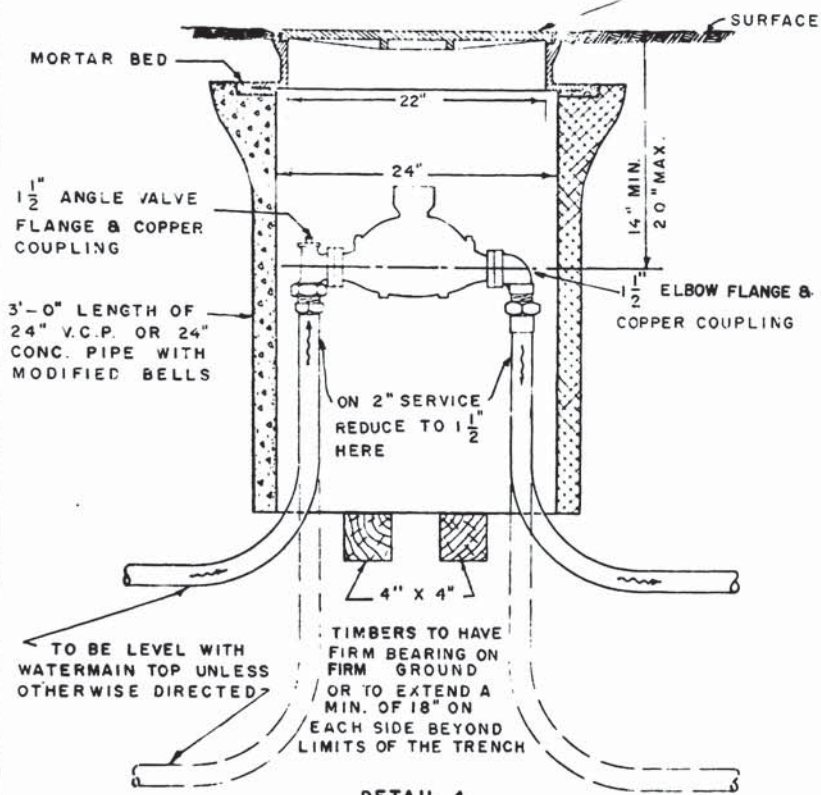
LEGEND OF FACILITIES

- C.T. COOLING TOWER
- CP CHILLED WATER PLANT
- SS SUBSTATION
- B TIEBREAKER
- DPS DRAINAGE PUMPING STATION
- FS FAN SHAFT
- VS VENT SHAFT

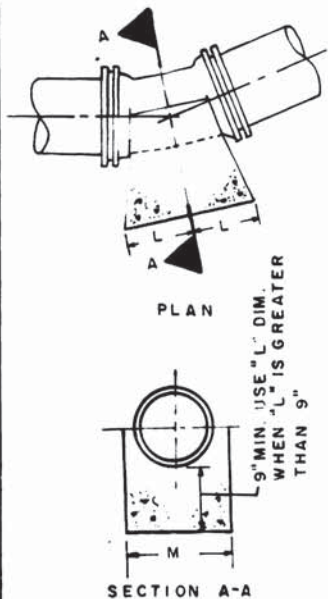


DESIGNED J.R. KRESS 11-2-73 DATE	REFERENCE DRAWINGS	REVISIONS	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY MATHEWS • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER <i>Ken Chatlain</i> DATE 5/12/77	DE LEUW, CATHER & COMPANY GENERAL ENGINEERING CONSULTANT HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANT APPROVED <i>Robert Weese</i>	ROCKVILLE ROUTE ABBREVIATIONS, GENERAL NOTES, LEGEND OF SYMBOLS, KEY PLAN SCALE 1" = 400' DRAWING NO. A11b-A-1 M276-152
DRAWN C.E. BERGER 1-4-74 DATE	NUMBER DESCRIPTION	DATE BY DESCRIPTION			
CHECKED M. MAHAN 3-25-77 DATE	M-1 KEY PLAN OF STRUCT DWGS				
APPROVED J.R. KRESS 3-25-77 DATE	E-1 KEY PLAN OF ELEC DWGS				

FOR TRAFFIC LOAD SETTINGS USE STANDARD M.H. FRAME & COVER. FOR NON-TRAFFIC LOAD SETTINGS USE LIGHTWEIGHT M.H. FRAME & COVER.



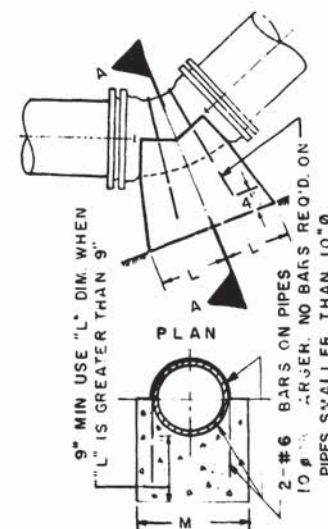
1/2 METER SETTINGS ON 1/2 OR 2" SERVICES



BUTTRESSES FOR LOWER 1/16 VERTICAL BENDS
DETAIL 5

CLASS	A		B		C	
	L	M	L	M	L	M
4"	*	*	*	*	*	*
6"	*	*	*	*	*	*
8"	3 1/2"	16"	4"	16"	4 1/2"	16"
10"	5"	18"	5 1/2"	18"	6"	18"
12"	6"	20"	7"	20"	7 1/2"	20"
16"	8"	24"	9"	24"	10 1/2"	24"
20"	10 1/2"	28"	12"	28"	13 1/2"	28"
24"	13"	32"	14 1/2"	32"	16 1/2"	32"

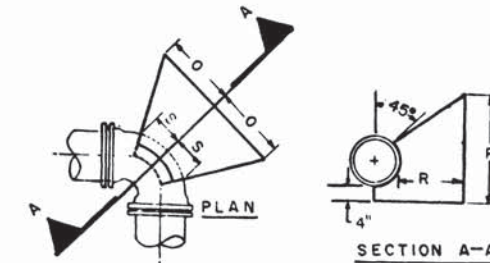
* BLOCK WITH WOOD



BUTTRESSES FOR LOWER 1/8 VERTICAL BENDS
DETAIL 7

CLASS	A		B		C	
	L	M	L	M	L	M
4"	*	*	*	*	*	*
6"	4 1/2"	14"	5"	14"	5 1/2"	14"
8"	7"	16"	8"	16"	8 1/2"	16"
10"	9 1/2"	18"	10 1/2"	18"	12"	18"
12"	11 1/2"	20"	13"	20"	13 1/2"	22"
16"	16"	24"	18 1/2"	24"	19"	26"
20"	20 1/2"	28"	23 1/2"	28"	25"	32"
24"	25"	32"	29"	32"	31"	34"

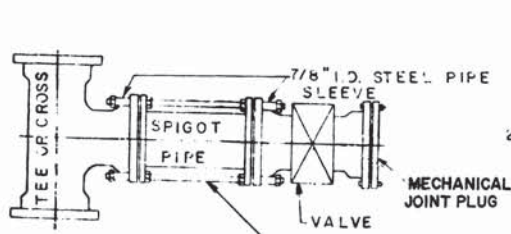
* BLOCK WITH WOOD



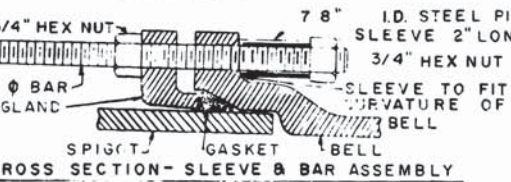
BUTTRESSES FOR 1/4 HORIZONTAL BENDS
DETAIL 8

SIZE	R	P	O	S
3"	21"	9"	6"	3"
4"	21"	10"	8"	4"
6"	20"	12"	12"	6"
8"	20"	16"	16"	6"
10"	20"	21"	20"	9"
12"	20"	27"	22"	10"
14"	21"	30"	27"	12"
16"	24"	30"	33"	14"
18"	27"	36"	36"	15"
20"	27"	42"	36"	16"
24"	33"	44"	44"	20"

USE MECHANICAL JOINT FITTINGS ONLY.
PAINT ALL STEEL WITH TWO BITUMINOUS COATINGS



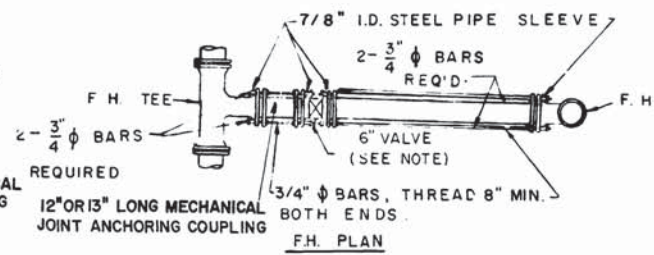
3/4" ϕ BARS, THREADED 8" MIN. BOTH ENDS. BARS TO BE SYMMETRICALLY SPACED.
VALVE PLAN



METHOD OF STRAPPING FIRE HYDRANT AND VALVE TO MAIN
DETAIL 6

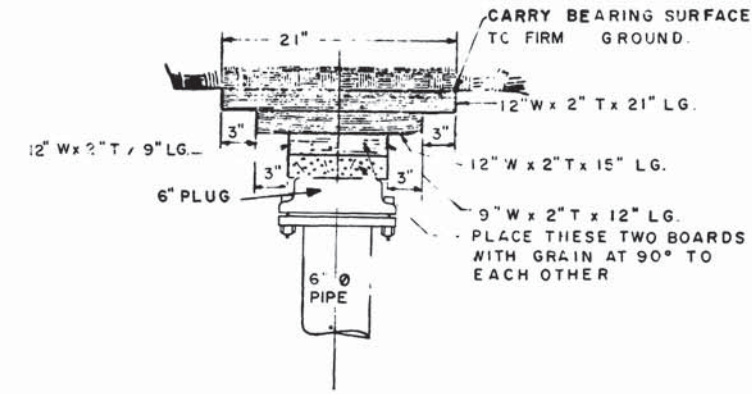
NOTES FOR DETAILS 5 & 7
CARRY ALL CONCRETE SURFACES TO FIRM GROUND
PAINT ALL EXPOSED STEEL WITH TWO COATS OF BITUMINOUS COATINGS
BUTTRESS CLASSIFIED ACCORDING TO PRESSURE IN WATERMAIN AS FOLLOWS:
BELOW 75 P.S.I. — CLASS A
76 P.S.I. TO 100 P.S.I. — CLASS B
101 P.S.I. TO 125 P.S.I. — CLASS C

IF F.H. TEE IS 6" X 6" TEE, OMIT 6" VALVE & STRAP F.H. TO F.H. TEE.



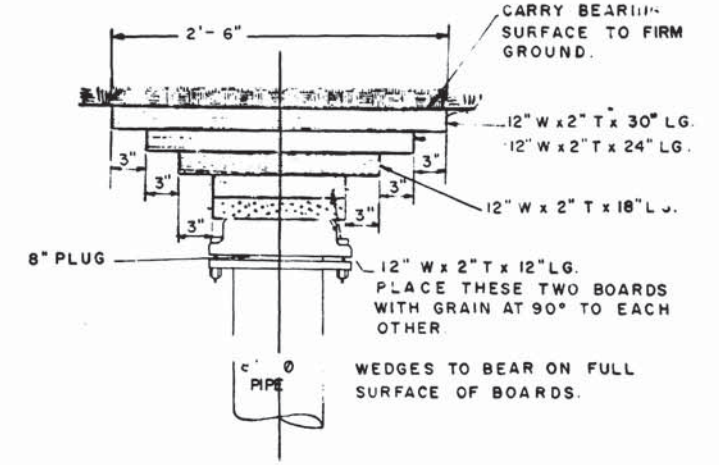
VALVE SIZE	NO OF 3/4" ϕ BARS REQ'D.	MAX. LENGTH OF SPIGOT PIPE
6"	2	27"
8"	2	27"
10"	4	27"
12"	6	27"
14"	8	36"
16"	8	36"
18"	10	36"
20"	12	36"
24"	16	36"

ALL BOARDS USED FOR BLOCKING TO BE OF OAK.
WEDGES TO BEAR ON FULL SURFACE OF BOARDS.
MINIMUM NUMBER OF BOARDS TO BE USED IS FOUR.



WOOD BLOCKING FOR 6" PLUG
DETAIL 9

ALL BOARDS USED FOR BLOCKING TO BE OAK.
MINIMUM OF BOARDS TO BE USED IS FIVE.



WOOD BLOCKING FOR 8" PLUG
DETAIL 10

DESIGNED	HICKS	10-15-69	REFERENCE DRAWINGS		REVISIONS	
			NUMBER	DESCRIPTION	DATE	DESCRIPTION
DRAWN	HICKS	10-24-69			5/17/76	REVISED TO CONFORM WITH STANDARD SPECS
CHECKED						
APPROVED						



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

APPROVED BY: *[Signature]*

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

APPROVED: *[Signature]*

UTILITY STANDARD DRAWING

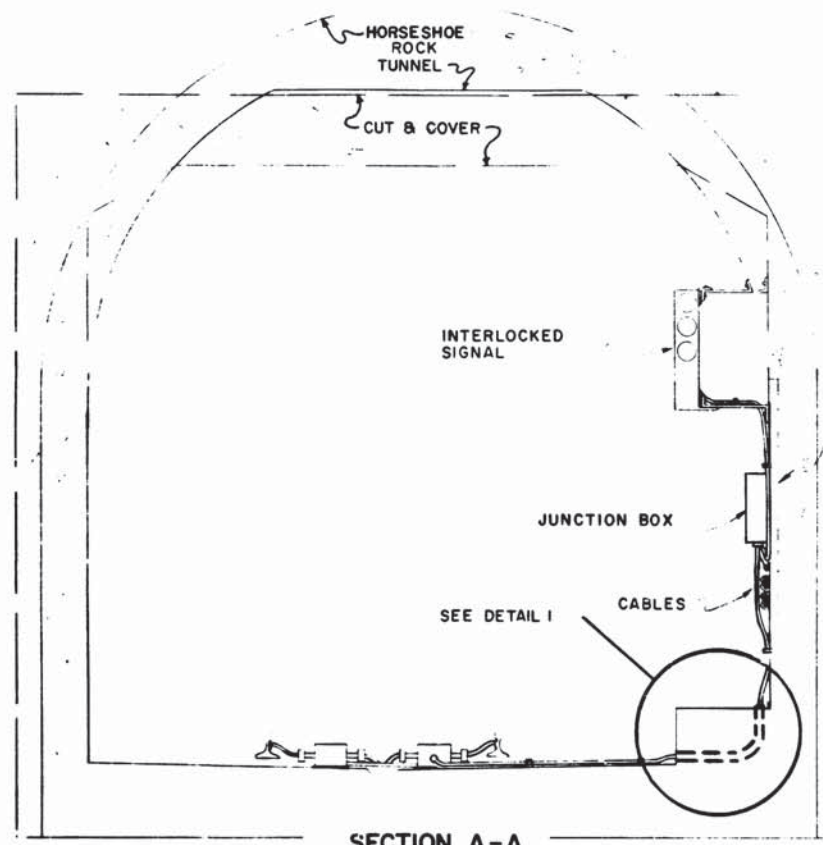
WASHINGTON SUBN SAN. COMM. — WATER DETAILS

SHEET 2 OF 3 SECTION NO. A11B

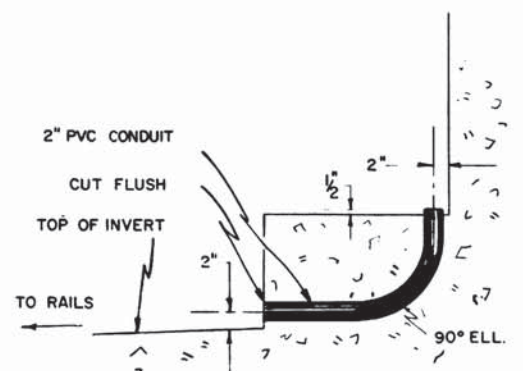
SCALE: NOT TO SCALE

DRAWING NO. ST-U-32

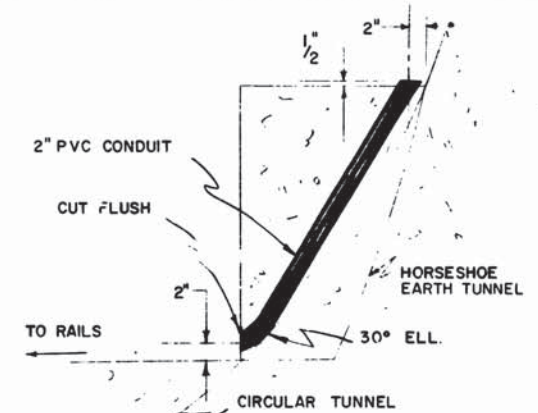
M276-262



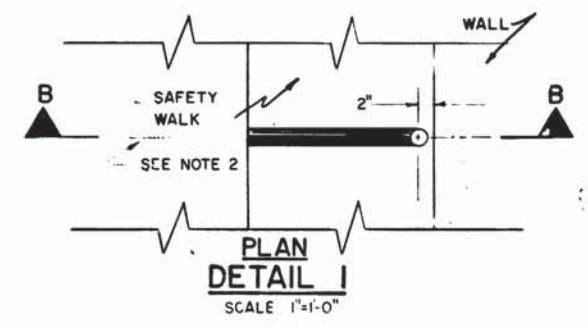
SECTION A-A



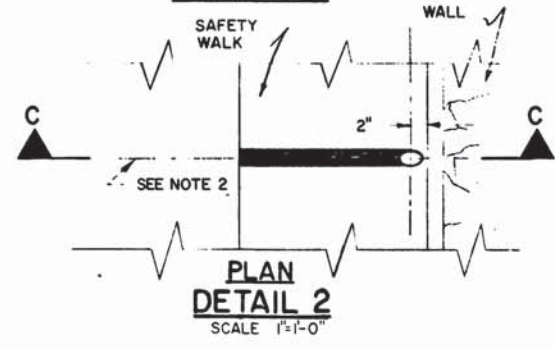
SECTION B-B



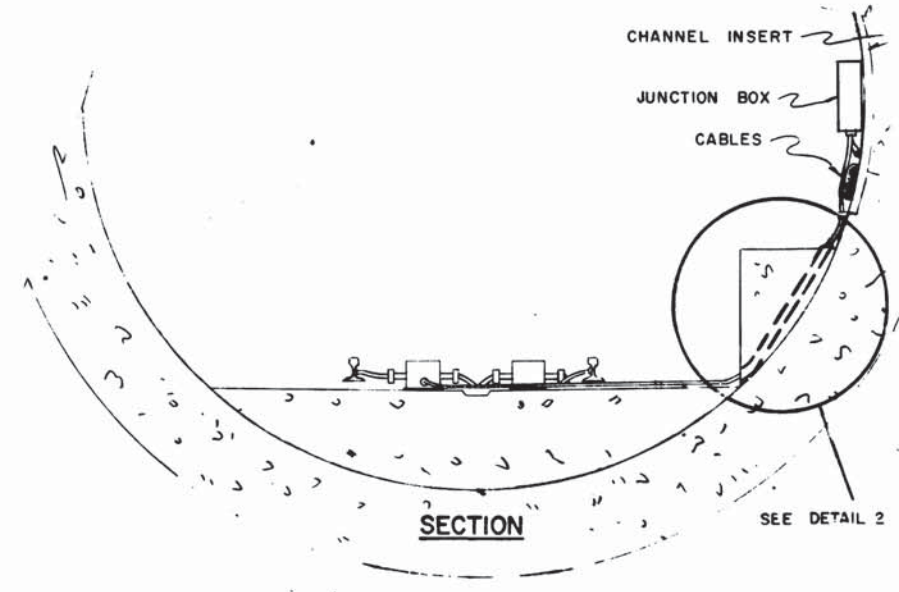
SECTION C-C



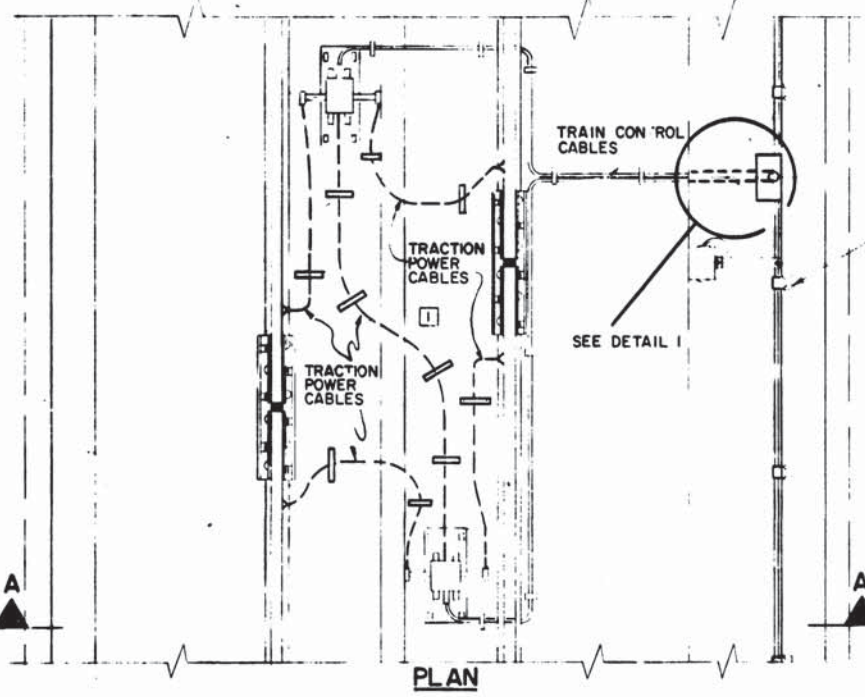
PLAN DETAIL 1
SCALE 1"=1'-0"



PLAN DETAIL 2
SCALE 1"=1'-0"



BURIED CONDUIT ARRANGEMENT FOR TRAIN CONTROL TRACK CABLES
CIRCULAR TUNNEL SECTION



PLAN

BURIED CONDUIT ARRANGEMENT FOR TRAIN CONTROL TRACK CABLES
CUT & COVER AND HORSESHOE ROCK TUNNEL SECTIONS

- NOTES:
1. ALL CONDUITS TO BE TEMPORARILY PLUGGED AT BOTH ENDS.
 2. CHAINAGE LOCATING ALL CONDUITS GIVEN IN LOCATION SCHEDULE.
 3. THIS DRAWING FOR CONDUIT ONLY. TRAIN CONTROL EQUIPMENT AND CABLING NOT IN CONTRACT.

R. Minwegen

DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	REVISIONS
CL BEM	4-1-69					
DRAWN	4-4-69					
CHECKED	4-25-69					
APPROVED	5-31-69					



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

APPROVED: *[Signature]* 1-10-69

APPROVED: *[Signature]*

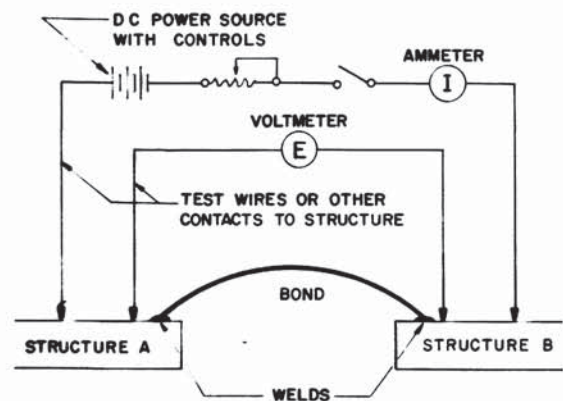
DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

TRAIN CONTROL STANDARD DRAWING
BURIED CONDUIT ARRANGEMENT
TRAIN CONTROL TRACK CABLES
CONTRACT NO. A11b

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

DRAWING NO. ST-TC-2 M276-261



NOTE:
VOLTMETER CONTACTS TO STRUCTURE MUST BE CLOSE ENOUGH TO WELDS TO ENSURE THAT STRUCTURE RESISTANCE IS NOT SIGNIFICANT.

FORMULA FOR DETERMINING RESISTANCE OF SINGLE BOND USING TEST DATA:

$$R_T = \Delta E / \Delta I$$

WHERE R_T = RESISTANCE OF ONE BOND (OHMS)

ΔE = INCREMENTAL CHANGE IN POTENTIAL (VOLTS)

ΔI = INCREMENTAL CHANGE IN CURRENT (AMPERES)

FORMULA FOR CALCULATING THEORETICAL RESISTANCE OF SINGLE BOND:

$$R_C = (L) \times (R_L)$$

WHERE R_C = CALCULATED RESISTANCE OF ONE BOND (OHMS)

L = LENGTH (FEET)

R_L = RESISTANCE (OHMS/FOOT) FROM WIRE TABLE FOR BOND WIRE USED.

FORMULA FOR CALCULATING THEORETICAL RESISTANCE BETWEEN STRUCTURES CONNECTED BY MULTIPLE BONDS IN PARALLEL:

$$R_{CP} = R_C / N$$

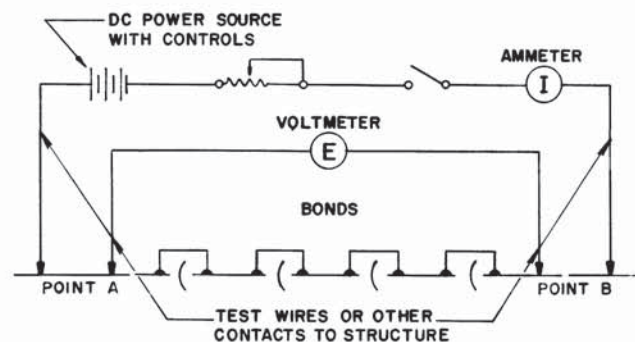
WHERE R_{CP} = CALCULATED RESISTANCE OF MULTIPLE BOND WIRE IN PARALLEL (OHMS)

R_C = CALCULATED RESISTANCE OF ONE BOND WIRE (OHMS)

N = NUMBER OF BOND WIRES IN PARALLEL

DETAIL 1 SINGLE BOND AND MULTIPLE BONDS IN PARALLEL (EXCEPT REINFORCING STEEL)

TEST HOOK-UP REQUIREMENTS	
TEST TITLE	DETAIL
ELECTRICAL CONTINUITY	1,2,3
INSULATING JOINT	4
STRUCTURE-TO-ANODE RESISTANCE	5
ANODE-TO-EARTH RESISTANCE	6
SOIL RESISTIVITY	7



FORMULA FOR CALCULATING THEORETICAL RESISTANCE OF STRUCTURE WITH MULTIPLE BONDS IN SERIES:

$$R_{CS} = R_C \times N + P \frac{L}{A}$$

WHERE R_{CS} = CALCULATED RESISTANCE OF A NUMBER OF BONDS IN SERIES (OHMS)

R_C = CALCULATED RESISTANCE OF ONE BOND (OHMS)

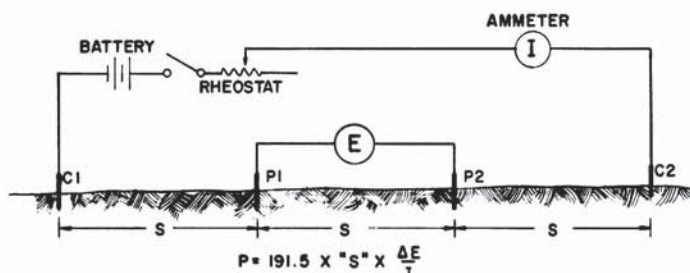
N = NUMBER OF BONDS IN SERIES

P = RESISTIVITY OF STRUCTURE (OHM-CM)

L = LENGTH OF STRUCTURE (CM)

A = CROSS SECTIONAL AREA OF STRUCTURE (CM²)

DETAIL 2 MULTIPLE BONDS IN SERIES



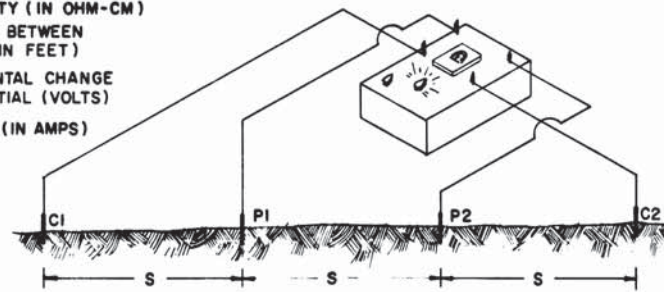
BATTERY, VOLTMETER, AMMETER METHOD
(DO NOT USE THIS METHOD WHERE STRAY CURRENTS EXIST)

P - RESISTIVITY (IN OHM-CM)

S - DISTANCE BETWEEN PROBES (IN FEET)

ΔE - INCREMENTAL CHANGE IN POTENTIAL (VOLTS)

I - CURRENT (IN AMPS)

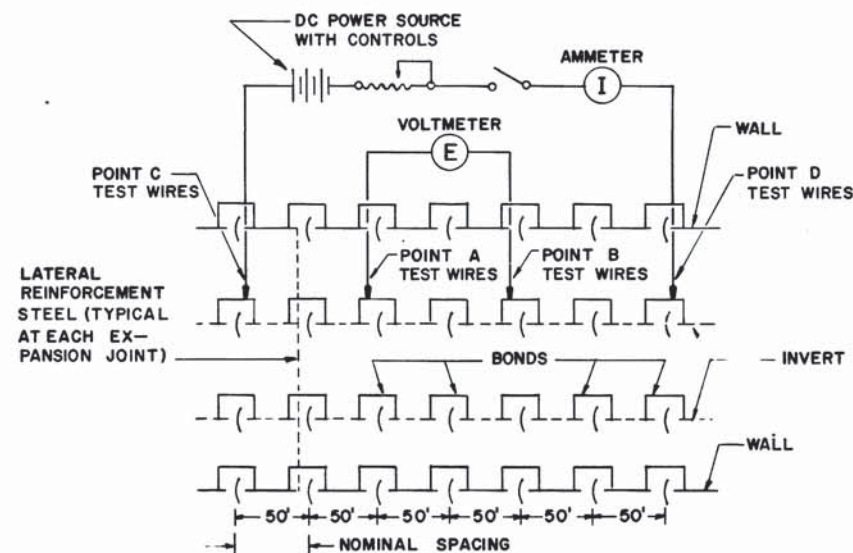


$P = 191.5 \times S^2 \times \text{METER READING}$
RESISTIVITY INSTRUMENT METHOD
(PREFERRED METHOD)

DETAIL 7 SOIL RESISTIVITY

NOTES

- PIN DEPTH SHOULD BE SMALL COMPARED TO DISTANCE "S".
- IF SPACINGS CANNOT BE MADE EQUIDISTANT, A CORRECTION FACTOR MUST BE APPLIED.
- "S" SHOULD EQUAL DEPTH OF ANODE OR DEPTH OF SOIL MEASURED.

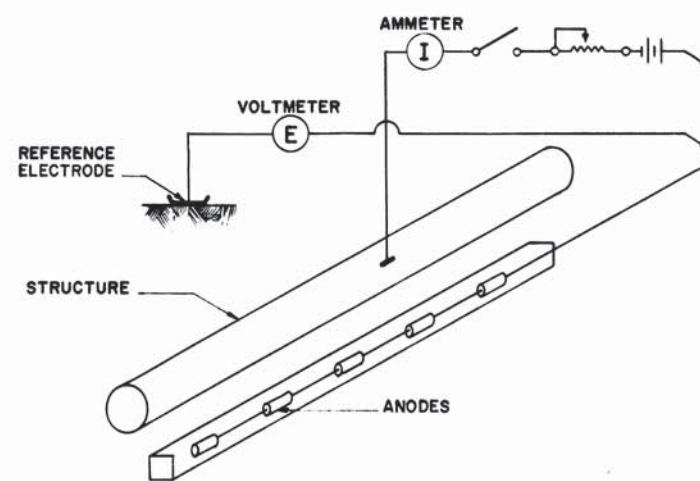


NOTES:

- BONDS ARE BETWEEN SECTIONS OF STEEL REINFORCING IN TUNNELS, STATIONS AND RETAINING WALLS. NOMINAL SPACING 50' BUT MAY VARY.
- TEST WIRES MAY BE CONNECTED TO BONDS IN WALLS IF MORE CONVENIENT.

FORMULA:
SEE FORMULA FOR CALCULATING MULTIPLE BONDS IN PARALLEL IN DETAIL 1.

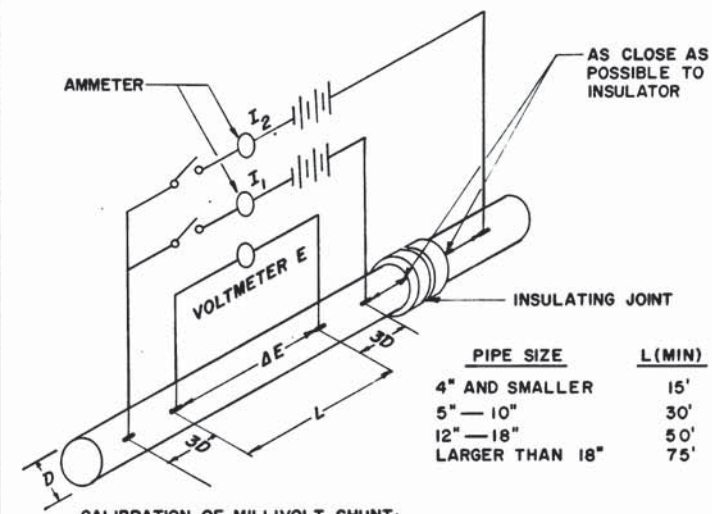
DETAIL 3 MULTIPLE BONDS IN PARALLEL ON REINFORCING STEEL



FORMULA FOR DETERMINING ANODE-TO-EARTH RESISTANCE:

$$R_{AE} = \frac{\Delta E}{\Delta I}$$

DETAIL 6 ANODE-TO-EARTH RESISTANCE



CALIBRATION OF MILLIVOLT SHUNT:

$$K = \frac{I}{\Delta E_1} = \frac{\text{AMPS}}{\text{MILLIVOLT}}$$

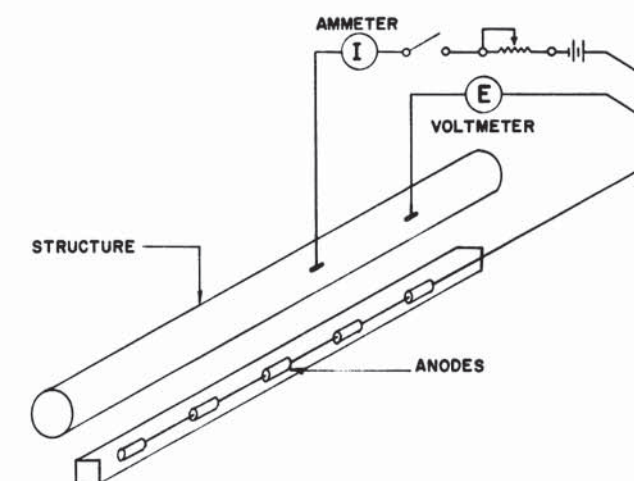
WHERE $\Delta E_1 = E_1 - E_0$

CALCULATION OF INSULATING JOINT ELECTRICAL LEAKAGE:

$$\% \text{ LEAKAGE} = \frac{\Delta E_2 \times K \times 100}{I_2}$$

WHERE $\Delta E_2 = E_2 - E_0$

DETAIL 4 INSULATING JOINT



FORMULA FOR DETERMINING STRUCTURE-TO-ANODE RESISTANCE:

$$R_{SA} = \frac{\Delta E}{\Delta I}$$

DETAIL 5 STRUCTURE-TO-ANODE RESISTANCE

DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS		APPROVED	DATE
		NUMBER	DESCRIPTION	DATE	BY		
K. MOODY		ST-E-301	CATHODIC PROTECTION DETAILS				
D. H. MILNER		ST-E-302	"				
CHECKED							
APPROVED							

JOHN W. FITZGERALD
NO. 613211
PROFESSIONAL ENGINEER

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

APPROVED *[Signature]*
DIRECTOR OF ENGINEERING

APPROVED *[Signature]*
CHIEF OF DESIGN AND CONSTRUCTION

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

THE HINCHMAN COMPANY
CORROSION CONTROL CONSULTANT

STANDARD ELECTRICAL DRAWING

CORROSION CONTROL SYSTEM TESTING DETAILS
SECTION NO. A11b

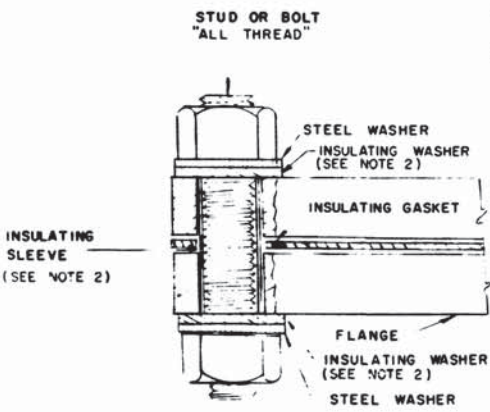
SCALE: NOT TO SCALE

DRAWING NO. ST-E-303

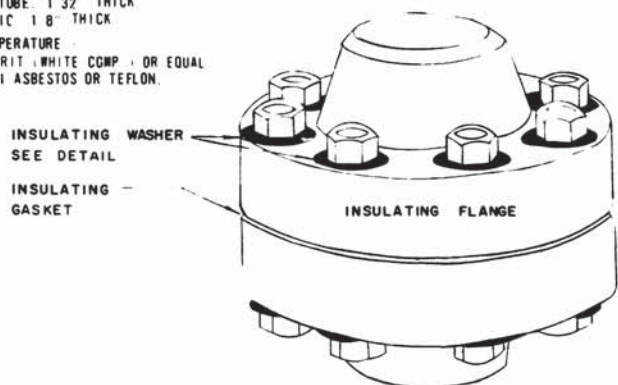
NO. M276-260

NOTES

- 1 INSULATING GASKET - J M 71, FULL FACE ASBESTOS OR EQUAL, ALL-TEMPERATURE 1/8" THICKNESS
- 2 INSULATING SLEEVES AND WASHERS
 - A UP TO 300°F TEMPERATURE - SLEEVE - MYLAR TUBE, 1/32" THICK WASHER - PHENOLIC 1/8" THICK
 - B ABOVE 300°F TEMPERATURE - SLEEVE - KLINGERIT, WHITE COMP. OR EQUAL WASHER - J M 71 ASBESTOS OR TEFLON.



BOLT DETAIL



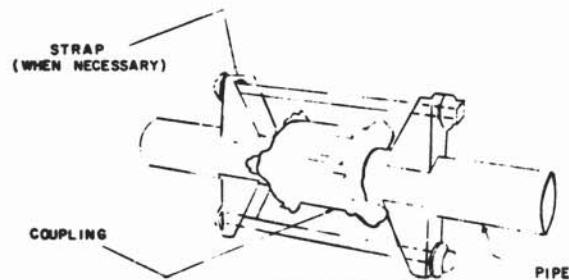
ASSEMBLY

INSULATED FLANGE AND BOLT CONNECTION DETAILS

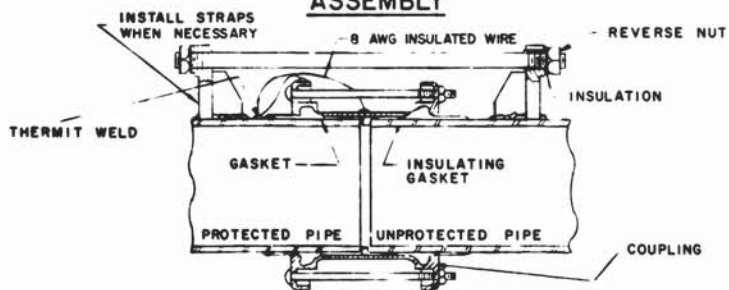
DIELECTRIC ISOLATION

NOTES

- 3 INSULATED FITTINGS USED TO SEPARATE DIFFERENT TYPES OF PIPES, EXAMPLE - STEEL FROM COPPER
- 4 INSULATED FITTINGS SHALL BE USED TO SEPARATE WMATA PIPES FROM UTILITY SUPPLY



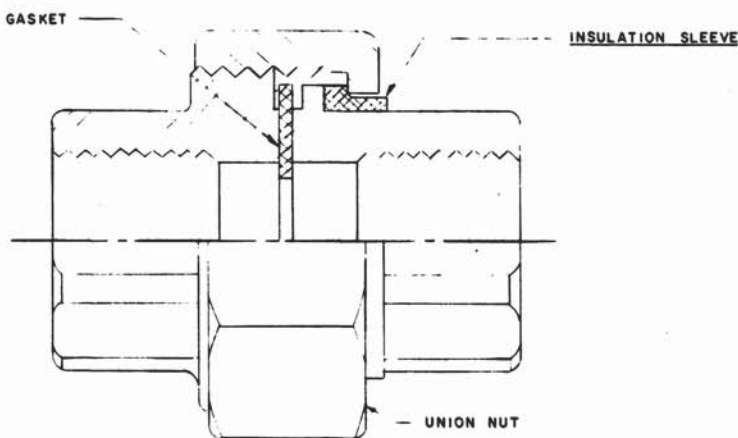
ASSEMBLY



SECTION

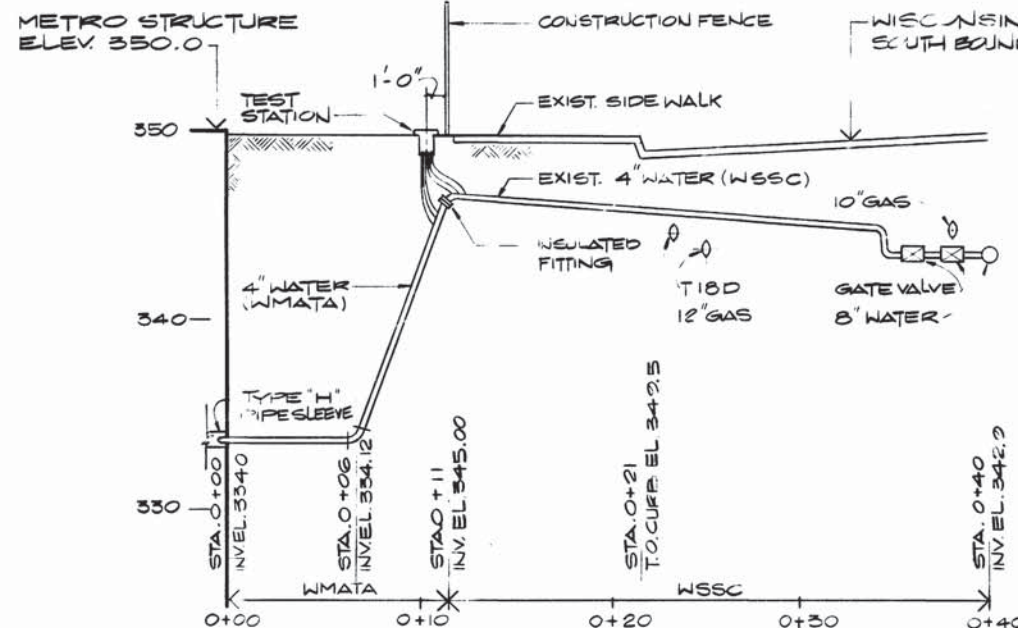
COMPRESSION INSULATING COUPLING

FOR NORMAL TEMPERATURES (BELOW 150°F)



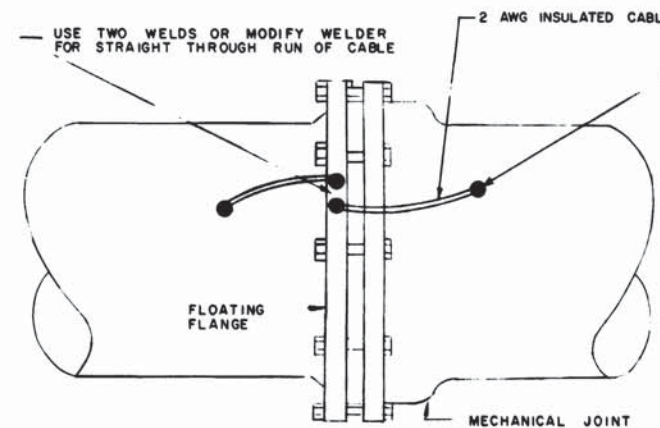
INSULATED UNION

DIELECTRIC ISOLATION ABOVE 150°F SPECIFY HIGH TEMPERATURE



PROFILE

WATER LINE CATHODIC PROTECTION & TEST BOX LOCATION

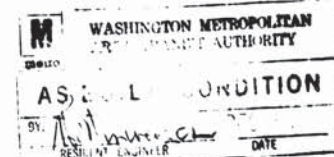


MECHANICAL JOINT BOND

REQUIRED FOR ALL BURIED METALLIC PIPES

NOTES

5. JOINT BOND TO BE USED FOR MECHANICAL JOINTS ON METALLIC PIPING AS REQUIRED.
6. PROVIDE BONDS FOR ALL METALLIC PIPING PARALLEL TO THE TRACKS.
7. PROVIDE BONDS FOR ALL PRESSURE PIPING.



DESIGNED	REFERENCE DRAWINGS		REVISIONS	
	NUMBER	DESCRIPTION	DATE	BY
DRAWN	ST-E-301	CATHODIC PROTECTION DETAILS	11/1/74	[Signature]
CHECKED			10/16/74	JIN
APPROVED				

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED: [Signature] DIRECTOR OF ENGINEERING

APPROVED: [Signature] CHIEF OF ENGINEERING AND OPERATIONS

DE LEUW, CATHAR & COMPANY
GENERAL ENGINEERING CONSULTANT

THE HINCHMAN COMPANY
CORROSION CONTROL CONSULTANT

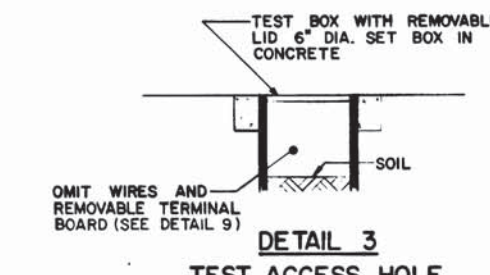
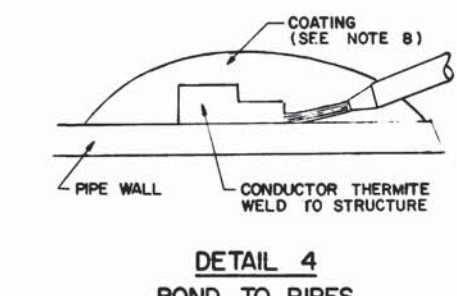
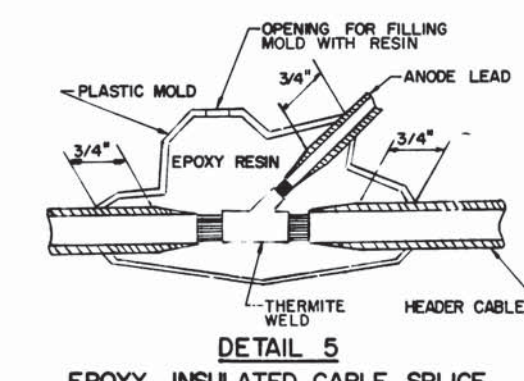
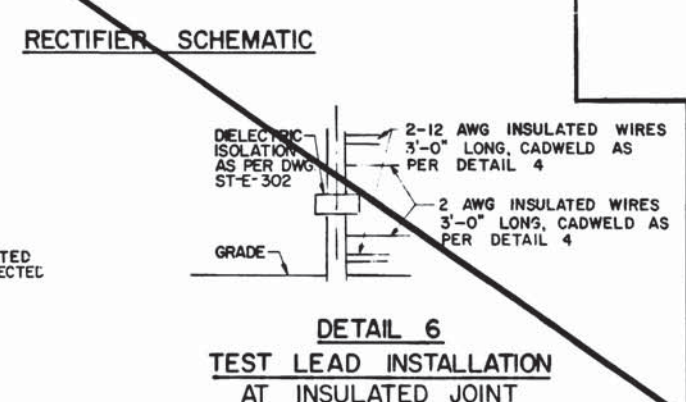
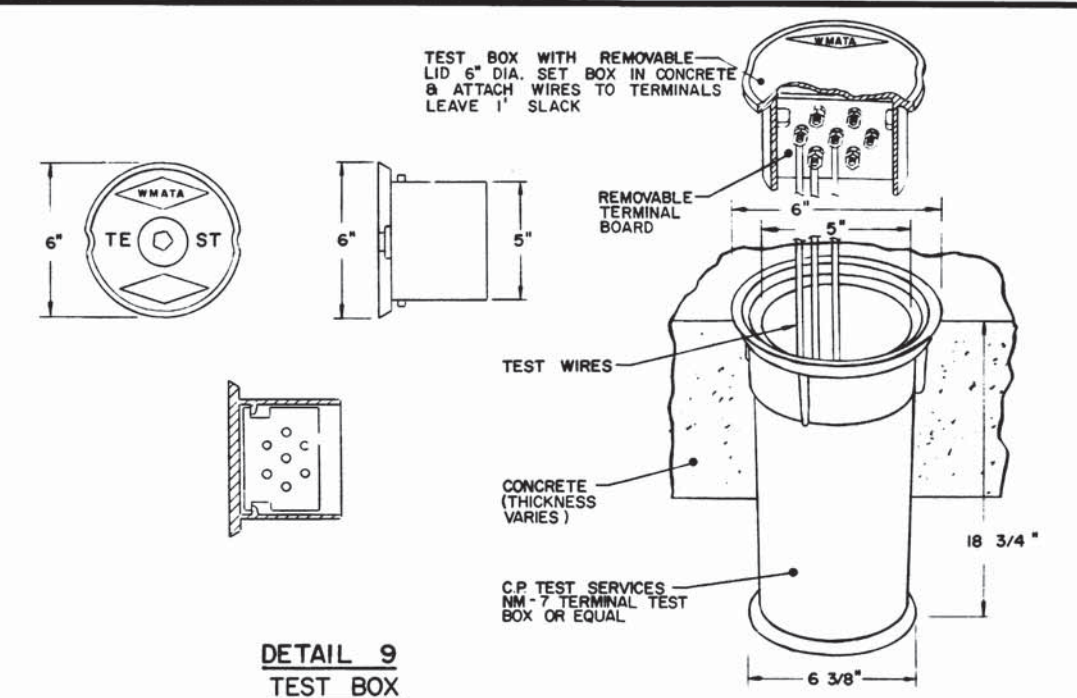
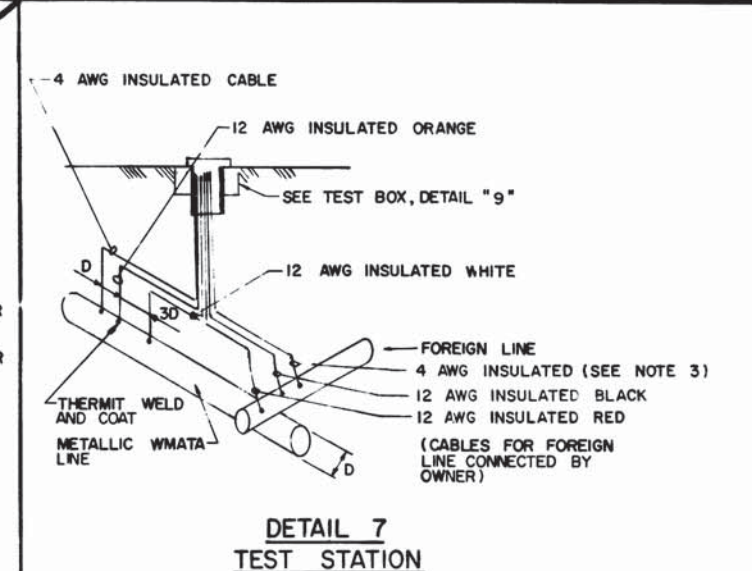
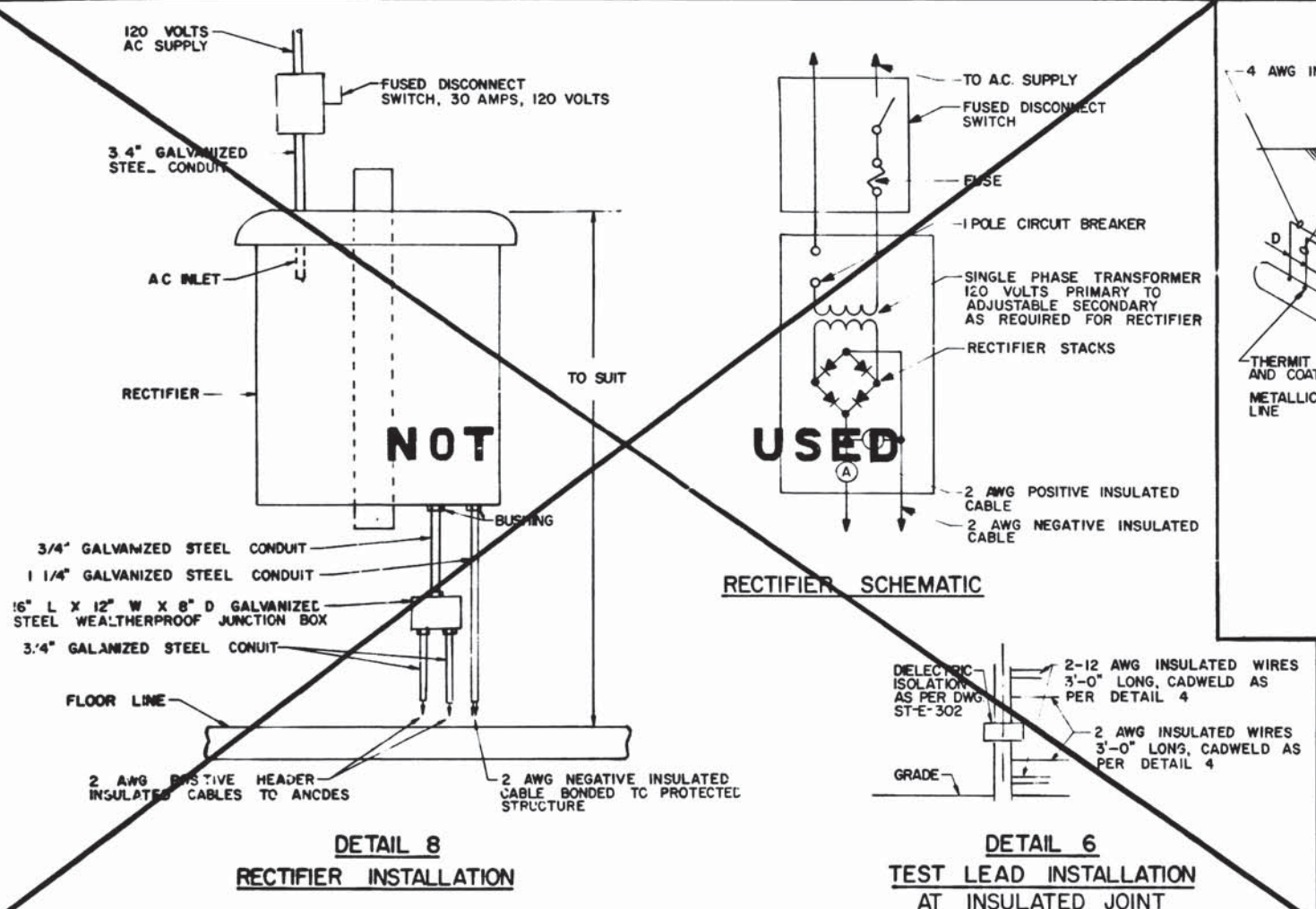
ELECTRICAL STANDARD DRAWING

CATHODIC PROTECTION DETAILS FOR WMATA UTILITY SYSTEMS SECTION NO. A11b

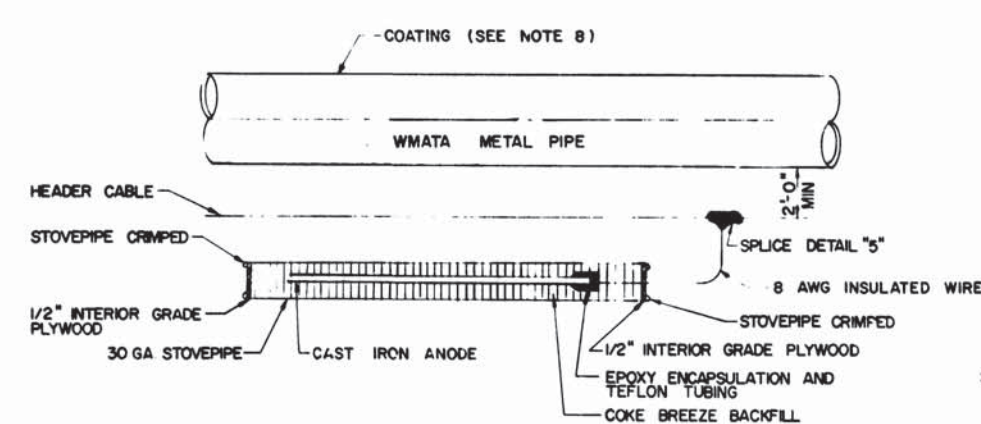
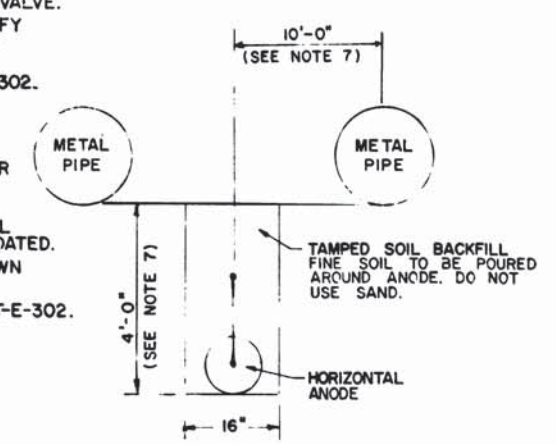
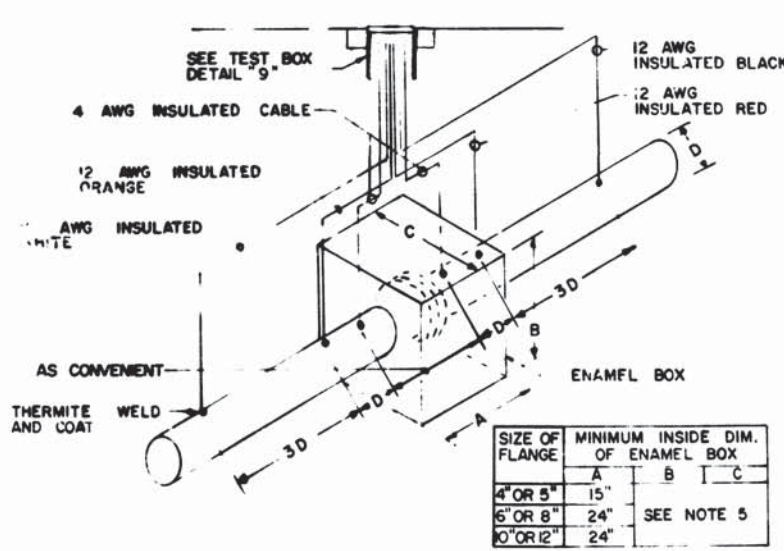
SCALE: NOT TO SCALE

DRAWING NO.: ST-E-302

M276-259



- GENERAL NOTES**
1. NIPPLES TO BE WELDED TO FLANGES BEFORE ASSEMBLING INSULATING MATERIAL.
 2. ENAMEL BOX TO BE BUILT OF CHEAP, UNFINISHED LUMBER. PLACE PIPELINE FELT PAPER AT JOINTS, FILL BOX WITH COAL TAR ENAMEL HEATED NOT OVER 150° F. WHEN INSULATING GASKET IS USED ON ONE FLANGE OF VALVE, BOX IS TO BE BUILT AROUND BODY OF VALVE.
 3. TAG ALL WIRES AT TEST BOX TO IDENTIFY WHICH PIPE OR WHICH SIDE OF FLANGE THEY ARE WELDED ON.
 4. FLANGE INSULATION AS PER DWG. ST-E-302.
 5. MINIMUM OF 3" CLEARANCE BETWEEN FLANGE O.D. AND INSIDE OF BOX.
 6. D = DIAMETER OF PIPE.
 7. MAINTAIN SPACING AS SHOWN WHENEVER POSSIBLE. SEE ADDITIONAL CATHODIC PROTECTION DESIGN DRAWING.
 8. CATHODICALLY PROTECTED WMATA METAL PIPES SHALL BE COAL TAR EPOXY COATED.
 9. ANODES SHALL BE PACKAGED AS SHOWN IN DETAIL "2".
 10. FOR ADDITIONAL DETAILS SEE DWG ST-E-302.



SIZE OF FLANGE	MINIMUM INSIDE DIM. OF ENAMEL BOX		
	A	B	C
4" OR 5"	15"		
6" OR 8"	24"	SEE NOTE 5	
10" OR 12"	24"		

DETAIL 1
ENAMEL BOX AND TEST BOX FOR UNDERGROUND INSULATING FLANGE

DETAIL 2
HORIZONTAL ANODE INSTALLATION

DESIGNED	P. HORT	1/22/72	REFERENCE DRAWINGS		REVISIONS		
			NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	P. HORT	1/22/72	ST-E-302	CATHODIC PROTECTION DETAILS	6/12/72	P.H.	REDRAWN - ADDED DETAILS 1, 2, 7 AND 9
CHECKED					7/1/72	AWK	CHANGED DETAILS 3, 6 AND 8
APPROVED					11/1/74		REVISED NOTES [2]
							REVISED TO COMPLY WITH ST-E-SPECS [3]

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED: *[Signature]* DIRECTOR OF ENGINEERING

APPROVED: *[Signature]* CHIEF OF ENGINEERING AND OPERATIONS

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

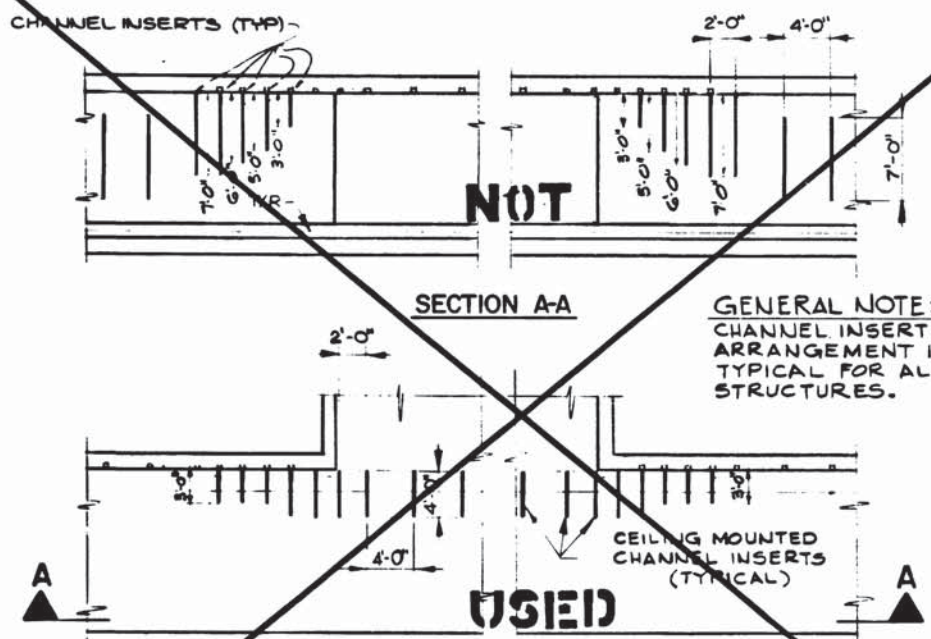
APPROVED: *[Signature]*

ELECTRICAL STANDARD DRAWING
CATHODIC PROTECTION DETAILS
SECTION NO. A11b

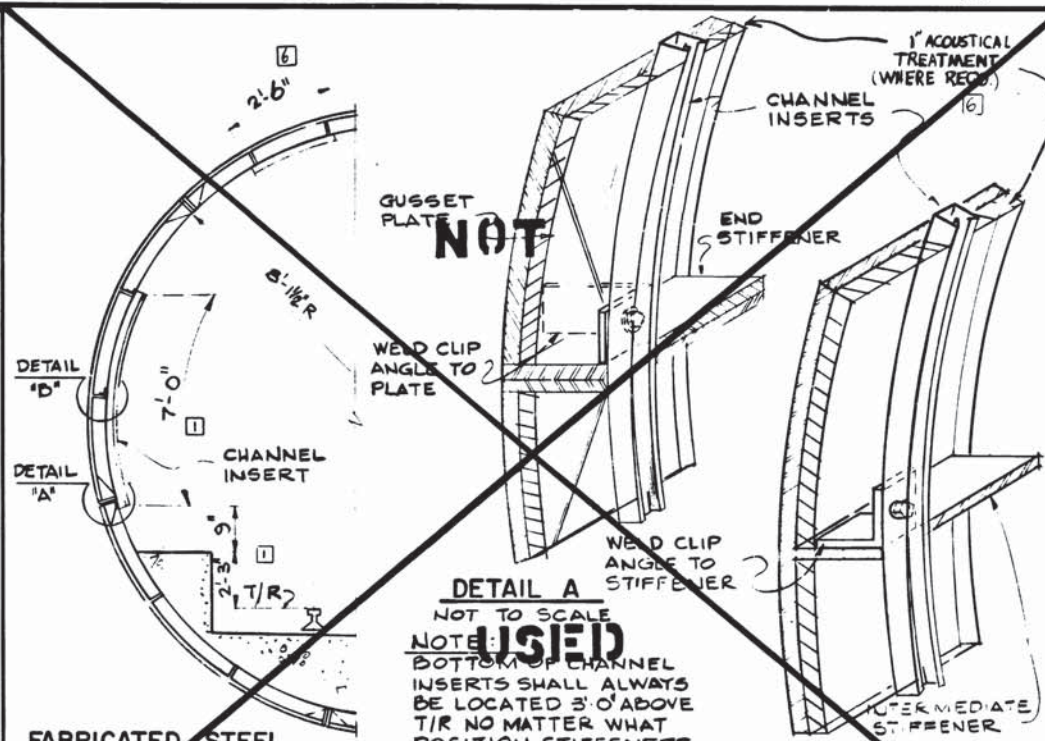
SCALE: NOT TO SCALE

DRAWING NO.: ST-E-301

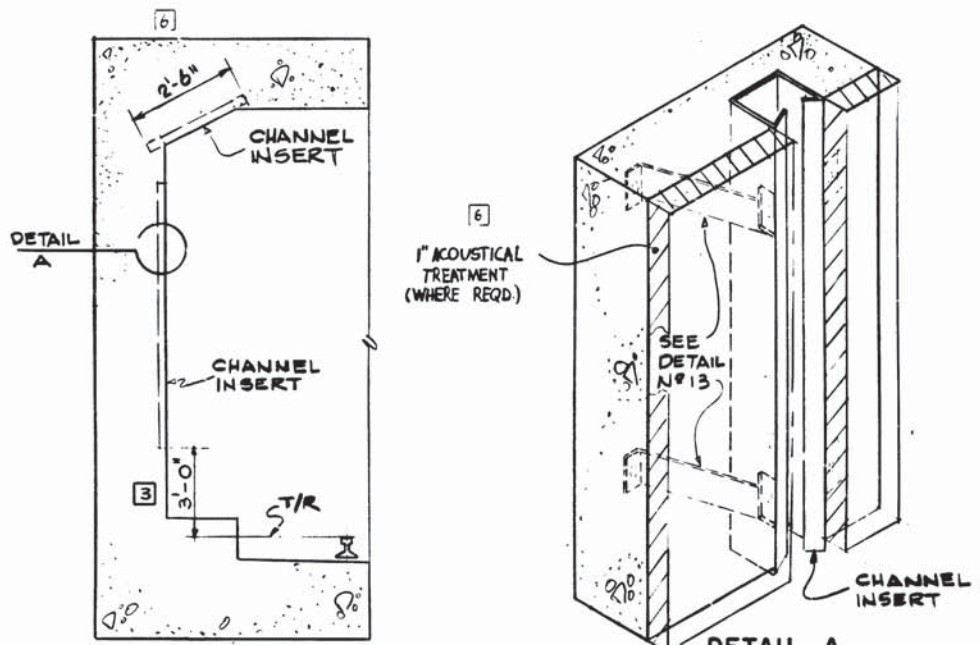
M276-258



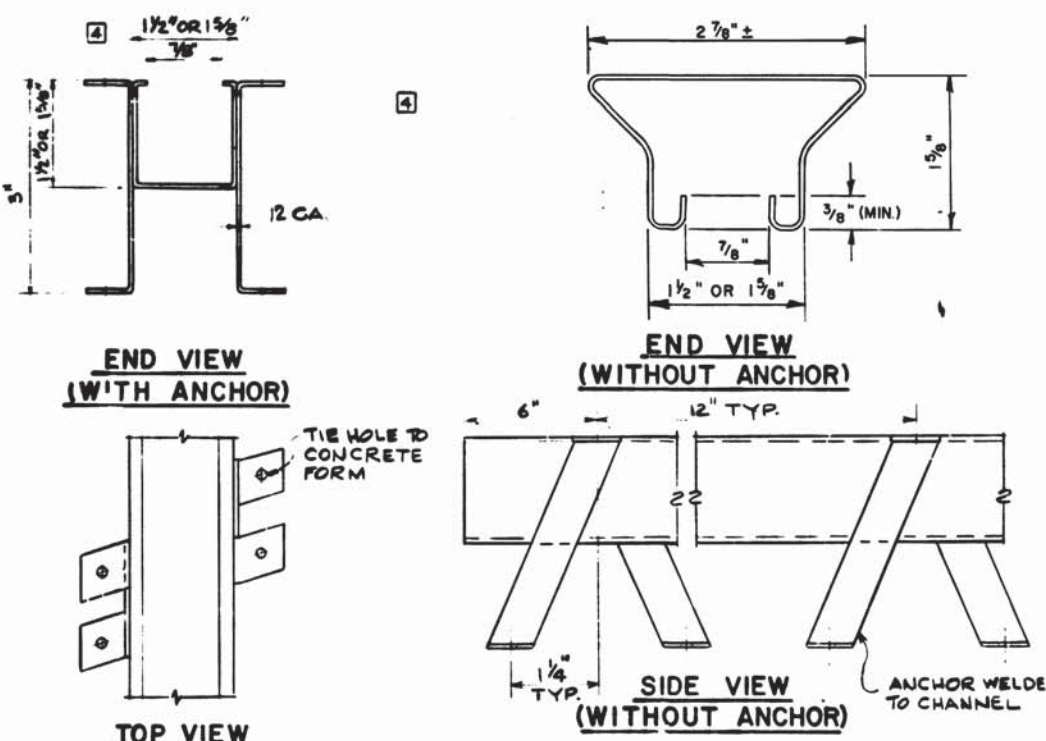
CHANNEL INSERT ARRANGEMENT TO CIRCUMVENT FULL OPENING IN TUNNEL WALL
DETAIL N° 10



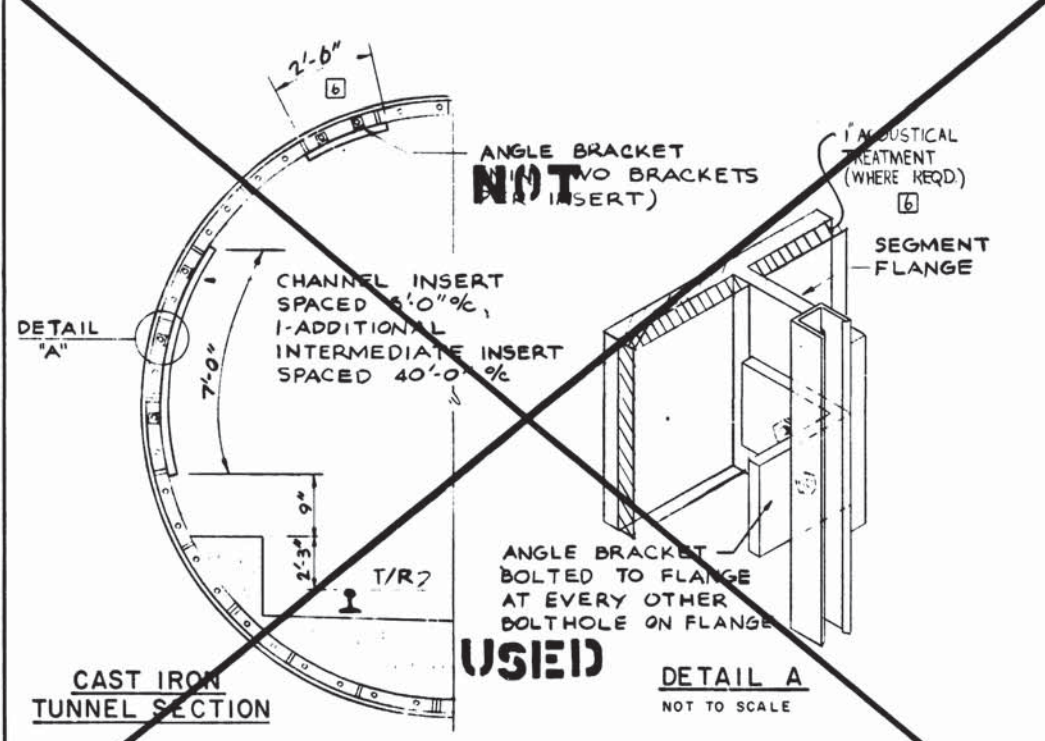
CHANNEL INSERT MOUNTING FOR CIRCULAR EARTH TUNNEL
DETAIL N° 11



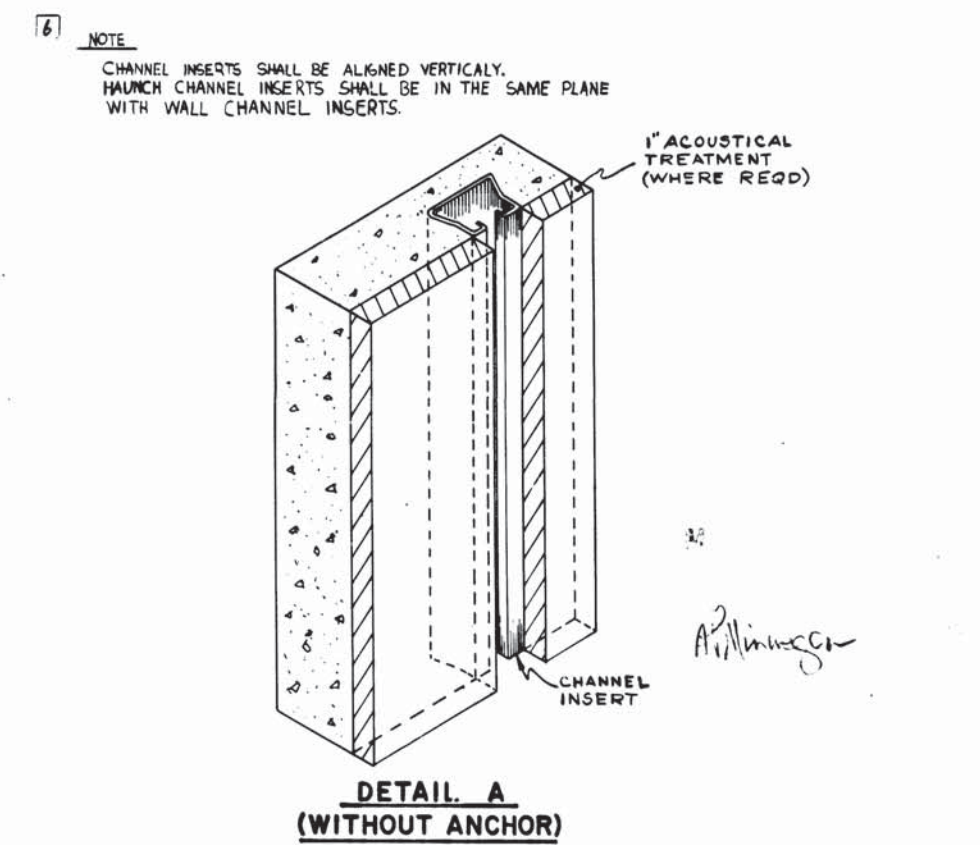
CHANNEL INSERT MOUNTING FOR REINFORCED CONCRETE SECTION
DETAIL N° 12



CHANNEL INSERT DETAIL
DETAIL N° 13



CHANNEL INSERT MOUNTING FOR CIRCULAR EARTH TUNNEL
DETAIL N° 14



DETAIL A (WITHOUT ANCHOR)

NOTE
 CHANNEL INSERTS SHALL BE ALIGNED VERTICALLY.
 HAUNCH CHANNEL INSERTS SHALL BE IN THE SAME PLANE WITH WALL CHANNEL INSERTS.

DESIGNED	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
LEWINE, HONEYWELL	11-68	ST-M-121	ACOUSTICAL TREATMENT	10-13-69	1	CLARIFIED CHANNEL INSERT LENGTH
DRAWN	11-7-68			4-22-70	2	CHANGED NOTE DETAIL NO. 13
CHECKED	12-12-68			8-27-70	3	CHANGED DIMENSION
APPROVED	12-29-68			6-24-71	4	REVISED DETAIL NO. 13
				12-9-71	5	ADDED DETAIL NO. 14
				7-31-73	6	ADDED ACOUSTICAL TREATMENT

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

APPROVED BY: *[Signature]* 1-10-69

APPROVED: *[Signature]*

DE LEUW, CATHAR & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

ELECTRICAL STANDARD DRAWING
MISCELLANEOUS DETAILS
SECTION N° A11b

SCALE: 1" = 1'-0" (AS NOTED)

DRAWING NO. ST-E-15

M276-257

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	REMARKS
					SIZE	TYPE		
WEST VIRGINIA AVENUE FAN SHAFT								
12	E-12	O.B. SAFETY WALK	O.B. SAFETY WALK	EMER. LIGHTING	2"	GASR		
13				NORMAL LIGHTING				
14				TUNNEL PANEL FDR.				
15				EMER. TRIP				
COM 4				EMER. TEL.				
COM 5				COMMUNICATION	4"			
COM 6								
COM 10								
TC 20				TRAIN CONTROL				
TC 21								
TC 22								
TC 23								
TC 24								
TC 25								
44				SPARE	3"			
45				SPARE	2"			
36	E-12	I.B. SAFETY WALK	I.B. SAFETY WALK	EMER. LIGHTING	2"	GASR		
37				NORMAL LIGHTING				
38				TUNNEL PANEL FDR.				
39				EMER. TRIP				
40				D.T.S.	3"			

NOT USED

GENERAL NOTES

1. ALL CONDUIT EMBEDDED BELOW CONCRETE INVERTS OR FLOOR SLABS SHALL BE ENCASED IN CONCRETE NO LESS THAN 2" THICK.
2. ALL TRACTION POWER CONDUIT SHALL BE 3" PVC UNLESS OTHERWISE NOTED.
3. PROVIDE END BELLS FOR ALL CONDUITS TERMINATING IN MANHOLES EXCEPT AS NOTED.
4. ALL ELBOWS AND OR FIELD BENDS SHALL HAVE 24" MINIMUM RADIUS EXCEPT WHERE OTHERWISE NOTED.
5. ALL STUBOUTS SHALL BE SUITABLY PROTECTED FROM DAMAGE.
6. PLUG BOTH ENDS OF EACH CONDUIT.
7. FOR SYMBOLS, ABBREVIATIONS & GENERAL NOTES, SEE DWG. E-2.

CONDUIT NO.	DWG. NO.	FROM	TO	FUNCTION	CONDUIT		VOLTAGE	REMARKS
					SIZE	TYPE		
BETHESDA STATION NORTH VENT SHAFT								
								A11b CONDUIT NO'S.
49,50	E-214	O.B. SAFETY WALK	END OF CONCRETE INVERT ST. 395+95.33	WEST VIRGINIA FAN SHAFT FDR NO.1	4"	GASR		B21,B22
20				EMER. TRIP	3"			B25
30				NORMAL LIGHTING	2"			B19
31				TUNNEL PANEL FDR.	2"			B20
32				EMER. LIGHTING	2"			B18
COM 7				COMMUNICATION	4"			BCOM 7a
COM 8								BCOM 8a
COM 9								BCOM 9a
COM 13				EMER. TEL.	3"			B925
TC 2				TRAIN CONTROL	4"			BTC 2a
TC 3								BTC 3a
TC 7								BTC 7a
TC 8								BTC 8a
TC 9								BTC 9a
TC 14								BTC 16a
55				SPARE	4"			B922
11,51,52				SPARE	3"			B924, B23, B24
10	E-214	I.B. SAFETY WALK	END OF CONCRETE INVERT ST. 395+95.33	D.T.S.	3"	GASR		B31
21				EMER. TRIP	2"			B30
33				NORMAL LIGHTING				B28
34				TUNNEL PANEL FDR.				B29
35				EMER. LIGHTING				B27
COM 1				COMMUNICATION	4"			BCOM 1a
COM 2								BCOM 2a
COM 3								BCOM 3a
COM 16				EMER. TEL.	2"			B927
COM 17				BURGLAR ALARM				B928
COM 18				FIRE ALARM				B929
COM 19				PABX TEL.				B930
TC 1				TRAIN CONTROL	4"			BTC 1a
TC 4								BTC 4a
TC 5								BTC 5a
TC 6								BTC 6a
TC 13								BTC 13a
TC 15								BTC 15a
53,54				SPARE				B931, B932

EXISTING A11a
CONDUITS

A11b NO'S.
DWG. E-114

M
AS BUILT SECTION
DEC 27 1992



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	NUMBER	DESCRIPTION	DATE	BY
A. MALARI		10-1-74					
C. J. REID		11-12-74					
H. ZACHARSON		2-5-75					
L. CHATELAIN		2-5-75					



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: *John Hatfield* DATE: 5/14/77 APPROVED: *John Hatfield*

ROCKVILLE ROUTE
CONDUIT SCHEDULE
BETHESDA STATION - NORTH VENT SHAFT

SCALE: NONE DRAWING NO.: A-11b-E-120 M276-254

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
B-102	5"	AC	E-10,14	CHILLER PLANT	STREET LEVEL	FEP CO SERVICE				
B-103										
B-104										
B-105										
B-106										
B-107										
B-108s	4"	GASR	E-10	STATION ATTIC	PASSAGEWAY ATTIC	SPARE			SLEEVE	
B-109s										
B-121s	3/4"	GASR	E-8	FUTURE MAP CASE & TEL BOOTH	MEZZ HUNG CEILING CAVITY	MAP CASE & TEL BOOTH LIGHTS			SLEEVE THRU FLOOR SLAB	
B-123	1"	GASR	E-3,9	JB IN PLATFORM ELEV. MACH ROOM	NORTH RA PLENUM	RECEPTACLE				
B-123s			E-2,5	R.A. PLENUM	PLATFORM ELEV PIT				SLEEVE	
B-124s	1/2"		E-10	ENTRANCE ELEV MACH RM	ENTRANCE ELEV PIT	EMER LTG				
B-125s						LTG & RECEPT.				
B-125				CNT. ELEVATOR SHAFT HIGH LEVEL						
B-125s	1/2"	GASR	E-3	N. AC SWBD RM	SAFETY WALK O.B.	ESS LTG FDR			SLEEVE	
B-125a			E-14	N VENT SHAFT HIGH LEVEL	TPSS					
B-127s	2"		E-3	N. AC SWBD RM	SAFETY WALK O.B.	NON ESS FDR			SLEEVE	
B-127a			E-4	N VENT SHAFT HIGH LEVEL	TPSS					
B-128s	1"		E-3	N. AC SWBD RM	SAFETY WALK O.B.	EMER LTG			SLEEVE	
B-128a				N VENT SHAFT HIGH LEVEL	TPSS					
B-129a	2"		E-14			SPARE				
B-130	3/4"	GASR	E-11	JB FOLDING DOOR PASSAGEWAY	ESCALATORWAY LOWER PIT	INTERLOCK				
B-131										
B-132			E-10	CLEANER'S ROOM PASSAGEWAY	PASSAGEWAY	RECEPTACLE				
B-133s	1/2"		E-9	SOUTH MECH ROOM MEZZANINE	DOMESPACE	FUTURE FACILITIES				
B-134	3/4"		E-11	ESCALATORWAY MACH ROOM	ENTRANCE	ENTRANCE WALL MOUNTED LIGHT				
B-135	2"					ENTRANCE EXTERIOR LIGHTING				
B-136	1"		E-10	DOMESPACE	HUNG CEILING CAVITY PASSAGEWAY	LIGHTING				
B-137					HUNG CEILING CAVITY FUTURE PASSAGEWAY					
B-138	3/4"		E-12,13	INTERIM POWER SUPPLY PANEL	JB IN CHILLER PLANT	HEAT TRACKING CABLE			WITH WIRING (2#12)	
B-139s			E-10	FUTURE MAP CASE & TEL BOOTH	VOID SPACE	FUTURE MAP CASE & TEL BOOTH LTG			SLEEVE	
B-200s	3"	GASR	E-3,9	N-AC SWITCHBOARD RM	N MECH ROOM-MEZZ	FUTURE FACILITIES			SLEEVES	
B-211s										
B-240s	3"	GASR	E-13	TPSS UPPER LEVEL	TPSS LOWER LEVEL	SPARE			SLEEVES	
B-243s	6"					FUTURE TRANSF FEEDER				
B-247s	3"					SPARES				

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
B-212s	4"	GASR	E-3,9	N. AC SWBD RM	N MECH RM-MEZZ	FUTURE FACILITIES				SLEEVE
B-213s	3"									
B-214s										
B-215s	1 1/2"		E-9	NORTH MECH. RM. MEZZ.	DOMESPACE					1 1/2" ID SLEEVE CAST IN CLG SLAB ABOVE WITH 4" STUB UP
B-216s										
B-217s										
B-218s				SOUTH MECH. RM. MEZZ.						
B-219s										
B-220s	3"		E-3,9	S.-STORAGE ROOM	S.-MECH. RM.-MEZZ.					SLEEVES
B-225s										
B-226s				S.-BATTERY ROOM						
B-231s										
B-232s				S.-SWBD. ROOM						
B-237s										
B-262s	1"	GASR	E-13	TRACTION POWER SUBSTATION	CHILLER PLANT	FUTURE INSTALLATION B.A.				SLEEVE
B-263s						INTRUDERS DETECTOR				
B-264s						FUTURE INSTALLATION (FABX)				
B-265s	2"					FUTURE INSTALLATION D.T.S.				
B-266s	2"	GASR	E-10	PASSAGEWAY HUNG CEILING	CLEANERS SERVICE AREA	NORMAL LIGHTING				SLEEVE
B-267s						EMERGENCY LTG				
B-268s						PYLON LTG MEZZ LEVEL				
B-269s						SPARE FUTURE FACILITIES				
B-270s										
B-271s										
B-272	1"	GASR	E-10	CLEANER'S ROOM-PASSAGEWAY	MEZZ. HUNG CEILING INTERFACE	PYLON LTG-MEZZ.				
B-273						EMER. PYLON LIGHT-MEZZ.				
B-275	4"	GASR	E-11,10	SERVICE RM. (PASS)	ESCALATOR LOWER PIT	FUTURE FACILITIES				
B-276s			E-10		MECH RM-ATTIC LEVEL	NORMAL LTG				STUB UP SLEEVE 4" AFF
B-277s						EMERGENCY LTG.				
B-278s						FUTURE FACILITIES				
B-279s										
B-280s										
B-281s										
B-282s										
B-283s										
B-284s										
B-291	2"	GASR	E-14	NORTH VENT SHAFT HIGH LEVEL	T.P.S.S.	SPARE				
B-292	1 1/2"		E-11	CLEANER'S ROOM-PASSAGEWAY	MEZZ. HUNG CEILING INTERFACE	EMER FDR-KIOSK				
B-293	1"					ESS LTG-KIOSK				
B-294	2"					PANEL MP FDR				
B-295	2"					SPARE				



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	NUMBER	DESCRIPTION	DATE	BY
1	F. S. CHU	4-21-77	HZ	1	GENERAL REVISION	07/08/77	HZ
2	BARKINE A WING	5-10-77					
3	F. S. CHU	5-11-77					
4	H. ZACHARSON	5-11-77					

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 *[Signature]* DATE 5/12/77 APPROVED *[Signature]*

**ROCKVILLE ROUTE
BETHESDA STATION
A.C. POWER CONDUIT SCHEDULE**

SCALE: NO SCALE DRAWING NO. A 116-E-201 M276-253

A/2

A/2

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
B-70	2"	GASR	E-11,12,13,14,18	NORTH VENT SHAFT HIGH LEVEL	ENTRANCE ESCAL. MACH. RM.	ENT. ESCAL. MOTOR FDR.				A/2
B-70s	2"		E-3	N-A.C. SWBD. RM.	SAFETY WALK I.B.					A/2
B-71	"		E-11,12	ESCALATORWAY MACH. RM.	ENTRANCE ESCAL. MACH. RM.	SPARE				A/2
B-72						ENT. ESCAL. AUX. SUPPLY				A/2
B-73						EMER. LTG.				A/2
B-74c			E-6	N-AC SWBD ROOM	N-R A PLENUM	PLATFORM ESCAL #18#2 MOTOR FDR				A/2
B-75	2"		E-11,13	NORTH VENT SHAFT HIGH LEVEL	ESCALATORWAY MACH. RM.	SPARE				A/2
B-76c	1"		E-6	N-A.C. SWBD. RM.	N. R.A. PLENUM	PLATFORM ESCAL #18#2 AUX. SUPPLY				A/2
B-77c						PLATFORM ESCAL #18#2 SPARE				A/2
B-78c	1"	GASR	E-6	N-AC SWBD ROOM	N-R A PLENUM	FUTURE PLATFORM ESCAL #38#4 MOTOR FDR				A/2
B-80c	1"	GASR	E-6	N-A.C. SWBD. RM.	N.-R.A. PLENUM	FUTURE PLATFORM ESCAL #38#4 AUX SUPPLY				A/2
B-81c						FUTURE PLATFORM ESCAL #38#4 SPARE				A/2
B-83	2"		E-3,6			T.C. RM. FDR.				A/2
B-83a				S.-R.A. PLENUM	S.-A.C. SWBD. RM.					A/2
B-84	2 1/2"			N.-A.C. SWBD. RM.	N.-R.A. PLENUM	FDR FOR PNL."HM"				A/2
B-84a			E-10	MEZZ. INTERFACE	PASSAGE CLEANER'S RM.					A/2
B-85	"			CLEANER'S RM. PASSAGEWAY	MEZZ. HUNG CLG. INTERFACE	RECEPTACLE				A/2
B-86						INCAND. LTG. UNDER MEZZ.				A/2
B-87						EMER. INCAND. LTG. UNDER MEZZ.				A/2
B-88s	3/4"	GASR	E-3	EJECTOR ROOM	STORAGE ROOM	EMER LTG. FOR ETS				A/2
B-90	3/4"	GASR	E-3	I.B. TRACK AT STA. 388+12.33	O.B. TRACK AT STA. 388+12.33	EXIT SIGN				A/2
B-90as					S-STAIR - SMOKE LOBBY					A/2
B-91as				S-STAIR		EMERGENCY LTG.				A/2
B-91bs				CART STORAGE ROOM	O.B. SAFETYWALK					A/2
B-91cs					I.B. SAFETYWALK					A/2
B-91ds				EJECTOR ROOM	CART STORAGE ROOM					A/2
B-91gs	3/4"	GASR	E-3	STORAGE ROOM	I.B. SAFETYWALK					A/2
B-91fs					O.B. SAFETYWALK					A/2
B-92as				S.-A.C. SWBD. RM.		ESSENTIAL LTG				A/2
B-92bs					I.B. SAFETYWALK					A/2
B-92cs				S BATTERY ROOM	O.B. SAFETYWALK					A/2
B-92ds					I.B. SAFETYWALK					A/2

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
B-92es	3/4"	GASR	E-3	EJECTOR ROOM	CART STORAGE ROOM	ESSENTIAL LTG.				SLEEVE 9'-0" AFF.
B-93as						FUTURE RECEPTACLE				2'-0" AFF.
B-94				I.B. SAFETYWALK AT STA. 395+76.37	O.B. SAFETYWALK AT STA. 395+76.37	EXIT SIGN				7'-0" AFF.
B-94a				STAIR - SMOKE LOBBY						9'-0" AFF.
B-94bs					STAIR					SLEEVE
B-94cs				N-A.C. SWBD ROOM						
B-94ds			E-3	N-MECH RM - MEZZ		EMERGENCY LTG				A/2
B-95as				N-A.C. SWBD. ROOM	O.B. SAFETYWALK	ESSENTIAL LTG.				
B-95bs					I.B. SAFETYWALK					8'-0" AFF.
B-95cs				N. BATTERY ROOM	O.B. SAFETYWALK					A/2
B-95ds					I.B. SAFETYWALK					A/2
B-96s	4"		E-8	STATION ATTIC	FUTURE PASSAGEWAY	SPARE				SLEEVE
B-97s	4"									A/2
B-100	1-1/2"	GASR	E-3,6	N-A.C. SWBD ROOM	N-R A PLENUM	PEPCO METER TIE CABLE	120 V			A/2
B-100a				S-A.C. SWBD ROOM	S-R A PLENUM					A/2
B-101	2"			N.-A.C. SWBD ROOM	N.-R.A. PLENUM	SWITCHGEAR CONTROL				A/2
B-101a				S-A.C. SWBD ROOM	S-R A PLENUM					A/2
B-111	1-1/2"		E-3	N END OF PLATF. O.B. EMER. TRIP STATION #1	NORTH VENT SHAFT ADIT	EMERGENCY TRIP				A/2
B-111a			E-14, 114	N. VENT SHAFT HIGH LEVEL	TRACTION POWER SUBSTATION					A/2
B-112			E-3	N END OF PLATF. I.B. EMER. TRIP STATION #2	NORTH VENT SHAFT ADIT	EMERGENCY TRIP				A/2
B-113				N END OF PLATF. O.B. EMER. TRIP STATION #1	NORTH R.A. PLENUM					A/2
B-113a				SOUTH R.A. PLENUM	S. END OF PLATFORM O.B. EMER. TRIP STATION #3					A/2
B-114				N END OF PLATFORM I.B. EMER. TRIP STATION #2	NORTH R.A. PLENUM					A/2
B-114a				SOUTH R.A. PLENUM	S. END OF PLATF. I.B. EMER. TRIP STATION #4					A/2
B-115			E-14	TRACTION POWER SUBSTATION	NORTH VENT SHAFT HIGH LEVEL					A/2
B-116										A/2
B-117			E-3	N. END OF PLATFORM I.B. EMER. TRIP STATION #2	N END OF PLATFORM I.B. EMER. TRIP STATION #1					A/2
B-118			E-3,6	S. END OF PLATFORM O.B. EMER. TRIP STATION #3	S.O.B. TUNNEL					A/2
B-119			E-6	S. END OF PLATFORM I.B. EMER. TRIP STATION #4	S.I.B. TUNNEL					A/2
B-120				S. END OF PLATFORM I.B. EMER. TRIP STATION #4	S. END OF PLATFORM O.B. EMER. TRIP STATION #3					A/2
B-112a	1 1/2"	GASR	E-3,14	NORTH VENT SHAFT HIGH LEVEL	TRACTION POWER SUBSTATION					A/2
B-7	5"	AC	E-13,14	TPSS	STREET LEVEL	PEPCO SERVICE				A/2
B-8										A/2
B-9										A/2
B-10										A/2
B-11										A/2
B-12										A/2
B-13	1"	PVC	E-115	UPPER STRUCTURE NORTH VENT SHAFT	OUTSIDE GROUND	STRAY CURRENT TEST				A/2
B-14				UPPER STRUCTURE ELM ST. VENT SHAFT						A/2

M
 Approved on DEC 27 1982



DESIGNED	DATE	REFERENCE DRAWINGS		REVISIONS	
		NUMBER	DESCRIPTION	DATE	DESCRIPTION
PS CHU	9-13-76			7-8-77	H.Z. A/2 GENERAL REVISION
DRAWN	KSAMIFRTON				
CHECKED	PS CHU				
APPROVED	H.B. ZACKRISON				

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 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: *Len Grant* DATE: *sketch* APPROVED: *Robert J. Weese*

**ROCKVILLE ROUTE
 BETHESDA STATION
 A.C. POWER CONDUIT SCHEDULE**

SCALE: NONE DRAWING NO. A11b-E-20 M276-252

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REF. A-110	REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE		
B-18	2"	GASR	E-3,6 E-114	N-AC SWBD ROOM	NORTH TUNNEL O.B. SAFETY WALK	EMER. LTG. FDR				32	NEH
B-19						NORM. LTG. ESS. FDR				30	NT
B-20						LOAD CENTER NON-ESS. FDR				31	NPON
B-21	4"					FDR #1 WEST VIRGINIA FAN SHAFT				49	NPOE
B-22										50	NPOE
B-23	3"					GROUND WIRE				52	
B-24						SPARE				51	TRENCH
B-25										20	
B-922	4"									55	
B-924	3"									11	
B-925	3"									COM 13	
B-17	1"	GASR	E-3	NORTH VENT SHAFT ADIT	EMERGENCY TRIP STATION #1 O.B.	EMERGENCY TRIP STATION BLUE LIGHT					
B-17a	1"	GASR	E-3	EMERGENCY TRIP STATION #2 I.B.							
B-27	2"	GASR	E-3,6 E-114	N-AC SWBD ROOM	NORTH TUNNEL I.B. SAFETY WALK	EMER. LTG. FDR				35	NEH
B-28						NORM. LTG. ESS. FDR.				33	NT
B-29						LOAD CENTER NON-ESS. FDR.				34	NPON
B-30						GROUND WIRE				21	
B-31	3"					SPARE				10	TRENCH
B-931	4"									53	A2
B-932										54	A2
B-927	2"									COM 16	A2
B-928										COM 17	
B-929										COM 18	
B-930										COM 19	
B-32	4"	GASR	E-3,6	S-AC SWBD ROOM	SOUTH TUNNEL O.B. SAFETY WALK	EMER. LTG. FDR					SEH
B-33						NORM. LTG. ESS. FDR					ST
B-34						LOAD CENTER NON-ESS. FDR					SPON
B-35						FDR FOR NORWOOD DRIVE FAN SHAFT					SPOE FA-10 CONTRACT
B-36						GROUND WIRE					
B-936						SPARE					TRENCH
B-37a	1"	GASR	E-3	EMERGENCY TRIP STATION #3 O.B.	EMERGENCY TRIP STATION #4 I.B.	EMERGENCY TRIP STATION BLUE LIGHT					
B-37	1"	GASR	E-3	EMER. TRIP STATION #3 O.B.	SOUTH TUNNEL I.B. SAFETY WALK						TO VS
B-38	4"		E-3,6	S-AC SWBD ROOM		GROUND WIRE					A2
B-39						EMER. LTG. FDR.					SEH
B-40						NORM. LTG. ESS. FDR					ST
B-41						LOAD CENTER NON-ESS. FDR					SPON
B-42						FDR FOR BRADLEY LANE TIE BKR STA.					SPOE FA-10 CONTRACT
B-43						SPARE					TRENCH

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS	
DESIG.	SIZE	TYPE						NO.	SIZE		
B-943	4"	GASR	E-3,6	S-AC SWBD ROOM	SOUTH TUNNEL I.B. SAFETY WALK	SPARE					TRENCH
B-44	4"	GASR	E-3,6	S-AC SWBD ROOM	SOUTH R.A. PLENUM	SUBSTATION TIE CABLES					TRENCH
B-44a				N-AC SWBD ROOM	NORTH R.A. PLENUM	SUBSTATION TIE CABLE					A2
B-45				S-AC SWBD ROOM	SOUTH R.A. PLENUM	SUBSTATION TIE CABLES					TRENCH
B-46											
B-47											
B-48											A2
B-40											A2
B-45a				N-AC SWBD ROOM	NORTH R.A. PLENUM	SUBSTATION TIE CABLE					
B-46a											
B-47a											
B-48a											A2
B-49a											A2
B-50	3"		E-11,13 14	NORTH VENT SHAFT HIGH LEVEL	ESCALATORWAY MACH. ROOM	ESCALATORWAY MOTOR. FDR.					A2
B-51											A2
B-50s	4"	GASR	E-3,11	N-AC SWBD ROOM	SAFETY WALK I.B.						SLEEVE
B-51s											A2
B-52s	1"					FDR. FOR PANEL "ETH"					A2
B-52			E-13,14	NORTH VENT SHAFT HIGH LEVEL	ESCALATORWAY MACH. ROOM						A2
B-53			E-11,13 14			EMER. LTG. FOR ESCAL.					A2
B-53s			E-3	N-AC SWBD ROOM	SAFETY WALK I.B.						SLEEVE
B-54	3/4"	PVC	E-3,6,7	S-AC SWBD ROOM	JB UNDER SAFETYWALK IN STATION O.B.	NORMAL LTG.					ST
B-55						EMER. LTG.					SEH
B-56		GASR	E-6,7		J.B. IN S-R.A. PLENUM	RECEPT. & LTG. IN R.A. PLENUM					SPP
B-57			E-5,6,7			PLATF. EDGE LTG. O.B.					SPPL
B-58			E-3,6		J.B. IN DOME SPACE	RECEPT. & LTG. IN DOME SPACE					VIA ENDWALL SPPL
B-59			E-6,7		J.B. IN S-R.A. PLENUM	PYLON LTG. PLATFORM LEVEL					SP
B-60		PVC	E-3,6,7		JB UNDER SAFETYWALK IN STATION I.B.	EMER. LTG.					SEH
B-61						NORMAL LTG.					ST
B-961	1"	GASR	E-6,7		LAST JB - PLATF EDGE LTG - I.B.	SPARE					TRENCH
B-62	3/4"	PVC	E-5,3 6	N-AC SWBD ROOM	JB UNDER SAFETYWALK IN STATION O.B.	NORMAL LTG.					NT
B-63						EMER. LTG.					NEH
B-64		GASR	E-3, 6		J.B. IN DOME SPACE	RECEPT. & LTG. IN DOME SPACE					NPPL
B-65					J.B. IN N-R.A. PLENUM	PYLON LTG. PLATFORM					NP
B-66			E-5,6			RECEPT. & LTG. IN R.A. PLENUM					NPPL
B-67			E-5,6,7		J.B. IN N-R.A. PLENUM	PLATF. EDGE LTG. I.B.					NPPL
B-68		PVC	E-3,5,6		JB UNDER SAFETYWALK IN STATION I.B.	EMER. LTG.					NEH
B-69						NORMAL LTG.					NT
B-969	1"	GASR	E-5,6		LAST JB FOR PLATF EDGE LTG. O.B.	SPARE					TRENCH

DESIGNED		10-8-79		REFERENCE DRAWINGS		REVISIONS	
DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY
R.S. CHU			7-8-77	H.Z.	A2 GENERAL REVISION		
K. SAMPERTON							
P.S. CHU							
H.B. ZACKRISON							

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ENGINEERS AND ARCHITECTS
SECTION DESIGNER

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED *Jan 11/77* DATE *5/12/77* APPROVED *Robert [Signature]*

ROCKVILLE ROUTE

BETHESDA STATION
A/C POWER CONDUIT SCHEDULE

SCALE NONE DRAWING NO. A11b-E-19 M276-251

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
BCOM 143	1"	GASR	E-9,3	COMMUNICATION ROOM	SOUTH R.A. PLENUM	DTS (FOR TPSS)				A/2
BCOM 144	1"	↓	↓	↓	↓	↓				↓
BCOM 143a	2"	GASR	E-3	NORTH R.A. PLENUM	NORTH VENT SHAFT ADJT	DTS				
BCOM 144a	2"	↓	↓	↓	↓	↓				
BCOM 143b	2"	GASR	E-14	NORTH VENT SHAFT HIGH LEVEL	TPSS	DTS				
BCOM 144b	2"	↓	↓	↓	↓	↓				
BCOM 146	1"	GASR	E-14	NORTH VENT SHAFT HIGH LEVEL	TPSS	DRAIN CABLE				A/2
BCOM 147	1"	↓	↓	↓	↓	↓				↓
BCOM 151	2"	GASR	E-9	JB IN PLATFORM ELEV MACH RM	N - R.A. PLENUM	ELEV CONTROL			FROM PLATF. ELEV MACH. ROOM	A/2
BCOM 152	2"	↓	↓	↓	↓	↓			FROM PLATF. ELEV MACH. ROOM	↓
BCOM 151as	2"	GASR	E-5	R.A. PLENUM	PLATFORM ELEV PIT	ELEV CONTROL			SLEEVES	A/2
BCOM 152as	2"	↓	↓	↓	↓	↓			↓	↓
BCOM 155	1"	GASR	E-10	ENT ELEVATOR MACH. ROOM	MECHANICAL ROOM - ATTIC LEVEL	P A B X				A/2
BCOM 157	3"	GASR	E-11,13	TPSS	STREET LEVEL	DRAIN CABLE				A/2
BCOM 158	3"	↓	↓	↓	↓	↓				↓
BCOM 159	3"	↓	↓	↓	↓	↓				↓
BCOM 160	3"	↓	↓	↓	↓	↓				↓
BCOM 161	2"	GASR	E-14	NORTH VENT SHAFT HIGH LEVEL	TPSS	SPARE				A/2
BCOM 162	2"	↓	↓	↓	↓	↓				↓
BCOM 163	2"	↓	↓	↓	↓	↓				↓
BCOM 164	2"	GASR	E-3,6	NORTH R.A. PLENUM	N. AC. SW. BD. ROOM	SPARE				A/2
BCOM 165	2"	↓	↓	↓	↓	↓				↓
BCOM 166S	4"	GASR		COMMUNICATION ROOM	DOME SPACE	FUT. C.C.T.V.			FOR FUT. PASSAGEWAY	A/2
BCOM 167S	1"	↓	↓	↓	↓	↓			↓	↓

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
BCOM 166AS	4"	GASR	E-10	DOME SPACE	HUNG CEILING CAVITY - FUT. PASSAGEWAY	FUT. C.C.T.V.				A/2
BCOM 167AS	1"	↓	↓	↓	↓	↓			FUT. PA	↓

DESIGNED	P.S. CHU	5-12-77	REFERENCE DRAWINGS		REVISIONS	
DRAWN	R.L. VASA	5-12-77	NUMBER	DESCRIPTION	DATE	BY
CHECKED	P.S. CHU	5-12-77			7/8/77	HZ
APPROVED	H.B. ZACKRISON	5-12-77				

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ENGINEERS AND ARCHITECTS
SECTION DESIGNER

SUBMITTED *[Signature]* DATE 5/12/77

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

APPROVED *[Signature]*

ROCKVILLE ROUTE
BETHESDA STATION
COMMUNICATION CONDUIT SCHEDULE

SCALE NONE DRAWING NO. A11b-E-118 M276-250



CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NC	SIZE	
BCOM 99c	1"	GASR	E-9,3	NORTH PLATFORM R.A. PLENUM	J.B. IN ELEV. MACH. RM. - PLATFORM	INTRUSION DETECTOR				
BCOM 98as			E-5		PLATF ELEV. PIT	FIRE DETECTOR				SLEEVE
BCOM 99as			E-5			INTRUSION DETECTOR				
BCOM 100ac	2"	GASR	E-9,3	NORTH PLATFORM R.A. PLENUM	J.B. IN ELEV. MACH. RM. - PLATFORM	CARD READER				TO KIOSK
BCOM 101ac										
BCOM 102c										
BCOM 103c										
BCOM 102as			E-5	MID PLATFORM R.A. PLENUM	PLATF. ELEV. PIT					SLEEVE THRU. WALL
BCOM 103as										
BCOM 104c	2"	GASR	E-3, E-9	J.B. IN COMM. RM.	SOUTH PLATFORM R.A. PLENUM	FUTURE COMM. & CCTV				
BCOM 105c										
BCOM 104ac			E-10	MEZZ. HUNG CEILING INTERFACE	J.B. IN ELEV. MACH. RM. - ENTRANCE					VIA COM104
BCOM 105ac										VIA COM105
BCOM 106s					ENTRANCE ELEV. PIT					SLEEVE
BCOM 107s										SLEEVE
BCOM 106						ENT. ELEV. SHAFT HIGH LEVEL				
BCOM 108c	1"	GASR	E-3, E-9	J.B. IN COMM. RM.	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				
BCOM 109c						INTRUSION DETECTOR				
BCOM 110c						PABX TEL.				
BCOM 108ac			E-10	MEZZ. HUNG CEILING INTERFACE	J.B. IN ENT. ELEV. MACH. RM. - PASS.	FIRE DETECTOR				
BCOM 109ac						INTRUSION DETECTOR				
BCOM 110ac						PABX TEL.				
BCOM 111s					J.B. IN ELEV. SHAFT-ENTRANCE	FIRE DETECTOR				SLEEVE
BCOM 112s						INTRUSION DETECTOR				
BCOM 113c	2"	GASR	E-10	J.B. IN ENT. ELEV. MACH. RM.	MEZZ. HUNG CLG. INTERFACE	SURVEILLANCE CONTROL & INTERCOM				
BCOM 114c										
BCOM 115	2"	GASR	E-10	ENT. ELEV. PIT	ENT. ELEV. SHAFT HIGH LEVEL	FUTURE CCTV				
BCOM 116										



CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NC	SIZE	
BCOM 115s	2"	GASR	E-10	J.B. IN ELEV. MACH. RM. ENTRANCE	ENTRANCE ELEV. PIT	ELEVATOR CONTROL				SLEEVE
BCOM 116s										
BCOM 117c	1"		E-9, E-3	COMMUNICATION RM.	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				FOR FUTURE ESCAL. EXIST. MEZZ.
BCOM 118c						CONTROL				
BCOM 121s	3"	GASR	E-11	ESCALATORWAY MACH. RM.	STREET LEVEL	FUT. EXTERIOR LTG.				SLEEVE
BCOM 122s										
BCOM 123s										
BCOM 120ac	4"	GASR	E-9,3	SOUTH PLATF. R.A. PLENUM	COMMUNICATION RM.	TELEPHONE CABLE				
BCOM 120c			E-10	BELL SYSTEM RM.	MEZZ HUNG CLG. CAVITY					
BCOM 121c			E-10,11		C & P TEL. M.H. STREET LEVEL					EMBEDDED IN WALL OF ENTRANCE ELEV.
BCOM 122c										
BCOM 123c										
BCOM 124s	2"		E-10	VOID SPACE	TEL. BOOTH FREE AREA	PUBLIC TEL. FREE AREA				SLEEVE
BCOM 125c				BELL SYSTEM RM.	TEL. BOOTH PAID AREA	PUBLIC TEL. PAID AREA				
BCOM 125s			E-8			PUBLIC TEL. PAID AREA (MEZZ.)				SLEEVE THRU FL. SLAB
BCOM 126a	2"	GASR	E-10	ENTRANCE ELEVATOR MACH. ROOM	MEZZ HUNG CEILING INTERFACE	CARD READER				TO KIOSK
BCOM 127a	2"									
BCOM 128s	2"				ENTRANCE ELEVATOR PIT					SLEEVE
BCOM 129s	2"									
BCOM 130a	2"	GASR	E-3,9	NORTH R.A. PLENUM	PLATFORM ELEVATOR MACH. ROOM	SURVEILLANCE & CONTROL & INTERCOM				TO KIOSK
BCOM 131a										
BCOM 132a						ELEVATOR CONTROL				
BCOM 133a										
BCOM 132bs			E-5		PLATFORM ELEV PIT					SLEEVE
BCOM 133bs										
BCOM 134	3/4"	GASR	E-3,9	PLATF ELEV MACH. ROOM	NORTH R.A. PLENUM	EMERCOMMUNICATION CALL STATION				
BCOM 134a	3/4"		E-3	SOUTH R.A. PLENUM	SOUTH END WALL					
BCOM 135	2 1/2"	PVC		N-O.B. TUNNEL	N-SIDE WALL OVER O.B. TRACK	O.B. ANTENNA CABLE				IN NORTH END WALL
BCOM 136				CENTER OF VAULT		MEZZ ANTENNA CABLE				
BCOM 137				N-I.B. TUNNEL	N-SIDE WALL OVER I.B. TRACK	I.B. ANTENNA CABLE				
BCOM 138				S-O.B. TUNNEL	S-SIDEWALL OVER O.B. TRACK	O.B. ANTENNA CABLE				IN SOUTH END WALL
BCOM 139				S-I.B. TUNNEL	S-SIDEWALL OVER I.B. TRACK	I.B. ANTENNA CABLE				

Handwritten signature and initials in the bottom right corner of the table area.

DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	DATE	DESCRIPTION	DATE	BY
1		10-9-75	P.S. CHU				
2		1-19-76	U. WING				
3		3-25-77	P.S. CHU				
4		3-25-77	H.B. ZACKRISON				

ARCHITECTURAL REGISTRATION BOARD
STATE OF MARYLAND

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
ENGINEERS AND ARCHITECTS
SECTION DESIGNER

SUBMITTED *Ken Chatell* DATE *5/2/77*

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT


APPROVED *[Signature]*

**ROCKVILLE ROUTE
BETHESDA STATION
COMMUNICATION CONDUIT SCHEDULE**

SCALE NONE DRAWING NO. A11b-E-18 M276-249

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
BCOM 65c	2"	GASR	E-9,3	COMMUNICATION ROOM	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				
BCOM 66c						PABX TEL.				
BCOM 65ac			E-10,11 E-12,3	MEZZ. INTERFACE	J.B. IN ENTRANCE ESCAL. M/C RM.	FIRE DETECTOR				
BCOM 66ac			E-10,11			PABX TEL.				
BCOM 67ac	2"	GASR	E-3,10 E-11,12	J.B. IN ENTRANCE ESCAL. M/C RM.	MEZZ INTERFACE	CONTROL				FROM KIOSK
BCOM 68c	2"	GASR	E-9,3	COMMUNICATION ROOM	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				
BCOM 69c	1"					PABX TEL.				
BCOM 68ac	2"		E-10,11	MEZZ. INTERFACE	J.B. IN M/C RM. OF ESCALATORWAY	FIRE DETECTOR				
BCOM 69ac	1"					PABX TEL.				
BCOM 70ac	2"	GASR	E-10,11	J.B. IN ESCALATORWAY M/C ROOM	MEZZ. INTERFACE	CONTROL				FROM KIOSK
BCOM 71c	2"		E-3 E-9	COMMUNICATOR ROOM	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				FROM PLATF ESCAL.
BCOM 74c	2"	GASR	E-3 E-9	COMMUNICATION ROOM	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				FOR FUTURE ENTRANCE ESCAL.
BCOM 75c	2"					CONTROL				
BCOM 76c	2"	GASR	E-3 E-9	COMMUNICATOR ROOM	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				FOR FUTURE ESCALATORWAY
BCOM 77c						CONTROL				
BCOM 78c	2"	GASR	E-3 E-9	COMMUNICATION ROOM	SOUTH PLATFORM R.A. PLENUM	FIRE DETECTOR				FOR FUTURE MEZZ FUTURE ESCAL.
BCOM 79c						CONTROL				
BCOM 80c	4"	GASR	E-3 E-9	COMMUNICATION ROOM	SOUTH PLATFORM R.A. PLENUM	MISC. COMMUNICATION				FOR FUT. MEZZ KIOSK
BCOM 81c										
BCOM 82c			E-3							
BCOM 83c			E-3,9							
BCOM 84dc			E-7,9		SOUTH-AC SWBD ROOM	PABX TELEPHONE IN SOUTH ANCIL ROOM				TERMINATE AT CORRIDOR MEZZ. LEVEL
BCOM 85 ha	1"		E-14	TPSS	N. VENT SHAFT HIGH LEVEL	I.A. FOR TPSS.				
BCOM 85 hs	1"		E-7	N-AC SWBD ROOM	SAFETY WALK I.B.	I.A. FOR TPSS.				SLEEVE

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
BCOM 85	1"	GASR	E-3,7 E-9	COMM. ROOM	SOUTH R.A. PLENUM	PABX TELEPHONES FOR NORTH ANCIL RMS				
BCOM 85cc			E-3,7	NORTH R.A. PLENUM	NORTH BATTERY ROOM					
BCOM 85bc			E-9,7	J.B. IN NORTH MECH RM.	NORTH AC SWBD RM.					
BCOM 85dc			E-10	MEZZ HUNG CEILING INTERFACE	PASSAGEWAY CLEANER'S ROOM	PABX TELEPHONES FOR PASSAGEWAY RMS.				
BCOM 86	1"	GASR	E-9,3,7	COMM. ROOM	SOUTH R.A. PLENUM	INTRUSION ALARMS IN NORTH ANCIL RMS				
BCOM 86a	1"	GASR	E-3,7	NORTH R.A. PLENUM	NORTH FE. CABINET					
BCOM 86bc			E-7	NORTH BATTERY ROOM						
BCOM 86dc			E-7,9	MEZZ. MECH. ROOM	NORTH A.C. SWITCHBOARD ROOM					
BCOM 86fc			E-10	MEZZ. HUNG CEILING CAVITY	F.E. CABINET - PASS.	INTRUSION ALARMS IN PASS. ROOMS				
BCOM 87cc			E-9,7	OPERATION ROOM	SOUTH AC SWBD ROOM					
BCOM 87gc			E-3,7	CART STORAGE ROOM	SOUTH FE. CABINET					
BCOM 86ms			E-7	N.-AC. SWBD. ROOM	SAFETY WALK I.B.	F.A. FOR TPSS.				
BCOM 86ma			E-14	N-VENT SHAFT HIGH LEVEL	TPSS.	F.A. FOR TPSS.				
BCOM 88c	1"	GASR	E-3 E-9	COMMUNICATION ROOM	SOUTH PLATFORM R.A. PLENUM	VENTILATION CONTROL				
BCOM 88ac			E-9,3	NORTH MECH. ROOM	NORTH R.A. PLENUM					
BCOM 89c			E-3 E-9	COMMUNICATION ROOM	SOUTH R.A. PLENUM					
BCOM 89ac			E-10	MECH. ROOM (PASS.)	MEZZ HUNG CEILING INTERFACE					
BCOM 91c	2"	GASR	E-3 E-9	COMMUNICATION ROOM	SOUTH PLATFORM R.A. PLENUM	FUTURE COMM. & CCTV				
BCOM 92c	2"									
BCOM 91ac	2"	GASR	E-9,3	N PLATFORM RA PLENUM	J.B. IN ELEV M/C ROOM - PLATFORM	FUTURE COMM. & CCTV				
BCOM 92ac			E-9,3							
BCOM 93c				J.B. IN ELEV M/C ROOM-PLATFORM	N PLATFORM RA PLENUM					
BCOM 94c										
BCOM 93as			E-5	N PLATFORM RA PLENUM	PLATFORM ELEV. SHAFT					SLEEVE THRU WALL
BCOM 94as										
BCOM 95c	1"		E-3 E-9	COMMUNICATION ROOM	N PLATFORM RA PLENUM	FIRE DETECTOR				
BCOM 96c						INTRUSION DET				
BCOM 97c						PABX TEL.				
BCOM 95c			E-9,3	N PLATFORM RA PLENUM	J.B. IN ELEV M/C ROOM - PLATFORM	FIRE DETECTOR				
BCOM 96g						INTRUSION DETECTOR				
BCOM 97a			E-9,3			PABX TEL.				
BCOM 98c			E-9,3			FIRE DETECTOR				

DESIGNED P. S. CHU 10-8-79 DATE	REFERENCE DRAWINGS	REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		ROCKVILLE ROUTE BETHESDA STATION COMMUNICATION CONDUIT SCHEDULE	
DRAWN U. H. WING 11-1-79 DATE	NUMBER DESCRIPTION	DATE BY DESCRIPTION		MATHews • CHATELAIN • BEALL ENGINEERS AND ARCHITECTS SECTION DESIGNER		DE LEUW, CATHAR & COMPANY GENERAL ENGINEERING CONSULTANT	
CHECKED P. S. CHU 3-25-77 DATE				HARRY WEESE & ASSOCIATES GENERAL ARCHITECTURAL CONSULTANTS		SCALE NONE DRAWING NO. A11b-E-17	
APPROVED H. B. ZACKENSON 3-25-77 DATE				SUBMITTED <i>Len Smith</i> DATE 5/12/77		APPROVED <i>Robert J. Weese</i>	
				M276-248			

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REF Allq	REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE		
BCOM-1	4"	PVC	E-9,3	COMMUNICATION ROOM	S-PLATFORM R.A. PLENUM	COMMUNICATION					
BCOM-2											
BCOM-3											
BCOM-1a		GASR	E-3 E-114	N-PLATFORM R.A. PLENUM	I.B. TUNNEL NORTH				COM 1		
BCOM-2a									COM 2		
BCOM-3a									COM 3		
BCOM-4		PVC	E-3,9	COMMUNICATION ROOM	I.B. TUNNEL SOUTH						
BCOM-5											
BCOM-6											
BCOM-7		PVC	E-3 E-9		S-PLATFORM R.A. PLENUM						
BCOM-8											
BCOM-9											
BCOM-7a		GASR	E-3 E-114	N-PLATFORM R.A. PLENUM	O.B. TUNNEL NORTH				COM 7		
BCOM-8a									COM 8		
BCOM-9a									COM 9		
BCOM-10		PVC	E-3,9	COMMUNICATION ROOM	O.B. TUNNEL SOUTH						
BCOM-11											
BCOM-12											
BCOM-14a	4"	GASR	E-9	COMMUNICATION ROOM	SOUTH VENT SHAFT	TO STREET LEVEL FOR FUTURE INTERFACE					
BCOM-14a											
BCOM-14b											
BCOM-43b	1"	GASR	E-3,9	COMMUNICATION ROOM	I.B. EMER. TRIP STA # 4	EMER TELEPHONE					
BCOM-44b					O.B. EMER TRIP STA # 3						
BCOM-45b			E-3 E-9		S. PLATFORM R.A. PLENUM						
BCOM-46b											
BCOM-45a			E-3	N. PLATFORM R.A. PLENUM	I.B. EMER. TRIP STA # 2				SEE B114, DWG. E-20		
BCOM-46a					O.B. EMER. TRIP STA # 1				SEE B113, DWG. E-20		

CONDUIT			DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
DESIG.	SIZE	TYPE						NO.	SIZE	
BCOM-47s	1 1/2"	GASR	E-9	COMMUNICATION ROOM	DOVE SPACE	CCTV #1				SLEEVE
BCOM-48s						CCTV #3				SLEEVE
BCOM-47cc			E-5 E-3	NORTH END WALL		CCTV #1				
BCOM-50s			E-9	COMM. ROOM		CCTV #4				SLEEVE
BCOM-48a	1 1/2"	GASR	E-6	DOVE SPACE	CCTV TERMINATION BELOW DOME	CCTV #3				SEE DETAIL 9 ON DWG A-34.
BCOM-49	1 1/2"	GASR	E-3,9	COMMUNICATION ROOM	SOUTH R.A. PLENUM	CCTV #7				
BCOM-50a	1 1/2"	GASR	E-7	DOVE SPACE	CCTV TERMINATION BELOW DOME	CCTV #4				SEE DETAIL 9 ON DWG A-34.
BCOM-52	1 1/2"	GASR	E-7,9	COMMUNICATION ROOM	END WALL S PLATFORM	CCTV # 6				
BCOM-53			E-7,9			CCTV #5				
BCOM-54cs			E-9		DOVE SPACE	CCTV # 8 & #9				SLEEVE
BCOM-54acs	4"		E-10	DOVE SPACE	JUNCTION BOXES AT PASSAGEWAY	CCTV #8 & CCTV #9				SLEEVE THRU COLLAR FOR 2 CCTVS
BCOM-55c	4"	GASR	E-3 E-9	COMMUNICATION ROOM	S-PLATFORM R.A. PLENUM	MISC. COMMUNICATION				TO KIOSK
BCOM-56c										
BCOM-57c										
BCOM-58c										
BCOM-447s	1 1/2"	GASR	E-9	COMMUNICATION ROOM	DOVE SPACE	CCTV #2				
BCOM-447ac			E-5	NORTH END WALL		CCTV #2				
BCOM-59s	1"	GASR	F-9	COMMUNICATION ROOM	DOVE SPACE	PA SYSTEM SPEAKER O.B.				SLEEVE
BCOM-60s						PA SYSTEM SPEAKER I.B.				
BCOM-61s						PA SYSTEM SPEAKER PASSAGEWAY				
BCOM-61acs			E-10	DOVE SPACE	HUNG CEILING CAVITY PASSAGEWAY					SLEEVE THRU COLLAR
BCOM-62a		GASR	E-3 E-9	COMMUNICATION ROOM	S-R.A. PLENUM	PA SYS. UNDER MEZZ.				TERMINATE AT CORRIDOR MEZZ. LEVEL
BCOM-63bc			E-9,7		S-A/C SWBD ROOM	FIRE DETECTOR FOR S-ANCIL. ROOMS				
BCOM-63cc			E-7	S-STORAGE ROOM	S-F.E. CABINET					
BCOM-64	1"	GASR	E-9,3,7	COMMUNICATION ROOM	S-PLATFORM R.A. PLENUM	FIRE DETECTOR FOR N-ANCIL. ROOMS				
BCOM-64a			E-3,7	N-PLATF. R.A. PLENUM	N-F. CABINET					
BCOM-64bc			E-7,10	N-F.E. CABINET	N-BATTERY ROOM					
BCOM-64dc			E-7,9	A/C SWBD. ROOM	N-MECH. RM. - MEZZ.					
BCOM-64hc			E-10	N-R.A. PLENUM	F.E. CABINET PASSAGEWAY					
BCOM-641c			F-10	CORRIDOR	MECH. RM. IN ATTIC OF PASSAGEWAY					
BCOM-64ks			E-7	N-AC. SWBD. RM.	SAFETY WALK I.B.	EA. FOR T.P.P.S.				SLEEVE
BCOM-64ka			E-14	N-VENT SHAFT HIGH LEVEL	T.P.P.S.	EA. FOR T.P.P.S.				



DESIGNED		DATE		REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY	NUMBER	DESCRIPTION	DATE	BY
P.S. CHU		10-8-75					
H. VASA		12-10-77					
P.S. CHU		3-1-77					
H.B. ZACKRISN		3-25-77					

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
BETHESDA STATION
COMMUNICATION CONDUIT SCHEDULE

SUBMITTED *Leon Chatman* DATE *5/12/77* APPROVED *Robert M. Weese*

SCALE NONE DRAWING NO. **A11b-E-16** **M276-247**

CONDUIT DESIG.	SIZE	TYPE	DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REF. Att	REMARKS
								NO.	SIZE		
BTC-1	4"	GASR	E-9,3	TRAIN CONTROL ROOM	S PLATFORM R.A. PLENUM	TRAIN CONTROL					
BTC-2											
BTC-3											
BTC-4											
BTC-5											
BTC-6											
BTC-7											
BTC-8											
BTC-9											
BTC-13						DTS					2
BTC-15											2
BTC-16						TRAIN CONTROL					
BTC-11a		PVC	E-3,114	N PLATFORM R.A. PLENUM	1B TUNNEL NORTH SAFETY WALK					TC 1	2
BTC-2c					OB TUNNEL NORTH SAFETY WALK					TC 2	
BTC-3a										TC 3	
BTC-4a					1B TUNNEL NORTH SAFETY WALK					TC 4	
BTC-5a										TC 5	
BTC-6a										TC 6	
BTC-7a					OB TUNNEL NORTH SAFETY WALK					TC 7	
BTC-8a										TC 8	
BTC-9a										TC 9	
BTC-13a					1B TUNNEL NORTH SAFETY WALK	DTS				TC 13	2
BTC-15a										TC 15	2
BTC-16a					OB TUNNEL NORTH SAFETY WALK	TRAIN CONTROL				TC 14	2
BTC-18a	4"	PVC	E-13	1 VENT SHAFT	2E-SSDA STA. TPSS	DTS					2
BTC-19a											2
BTC-20	4"	PVC	E-9,3	TRAIN CONTROL ROOM	OB TUNNEL SOUTH SAFETY WALK	TRAIN CONTROL					
BTC-21											
BTC-22											
BTC-23											
BTC-24											
BTC-25											
BTC-26					1B TUNNEL SOUTH SAFETY WALK						
BTC-27											
BTC-28											
BTC-29											

CONDUIT DESIG.	SIZE	TYPE	DWG. NO.	FROM	TO	FUNCTION	VOLTAGE	CONDUCTORS		REMARKS
								NO.	SIZE	
BTC-30	4"	PVC	E-9,3	TRAIN CONTROL ROOM	1B TUNNEL SOUTH SAFETY WALK	TRAIN CONTROL				
BTC-31										
BTC-32		GASR			SOUTH R.A. PLENUM	LOCAL TRAIN CONTROL				
BTC-33										
BTC-32a	2"		E-7	S-PLATFORM R.A. PLENUM	UNDERS-PLATFORM OB EDGE					
BTC-32b			E-6	MID-PLATFORM R.A. PLENUM	MID-MID-PLATFORM OB EDGE					
BTC-32c			E-5	N-PLATFORM R.A. PLENUM	UNDER N-PLATFORM OB EDGE					
BTC-33a			E-7	S-PLATFORM R.A. PLENUM	UNDER S-PLATFORM IB EDGE					
BTC-33b			E-6	MID-PLATFORM R.A. PLENUM	UNDER MID-PLATFORM IB EDGE					
BTC-33c			E-5	N-PLATFORM R.A. PLENUM	UNDER N-PLATFORM IB EDGE					
BTC-34a	4"		E-9,3	TRAIN CONTROL ROOM	S-AC SWITCHBOARD ROOM	DTS				SLEEVE 2
BTC-35a			E-9,3							SLEEVE 2
BTC-36	2"		E-3,9		S-PLATFORM R.A. PLENUM					
BTC-37			E-3,9							
BTC-36a	3"		E-3,6	N-PLATFORM R.A. PLENUM	N-AC SWITCHBOARD ROOM					3 2
BTC-37a			E-3,6							3 2
BTC-38	4"		E-3,6	N-AC SWITCHBOARD	N-PLATFORM R.A. PLENUM	PROGRAM STOP CABLES				2
BTC-39										
BTC-40	2"	GASR	E-5	N. R.A. PLENUM	UNDER N. PLATF. OB. EDGE	IMPEDANCE BOND				1 2
BTC-41	2"				UNDER N. PLATF. IB. EDGE					1 2
BTC-42			E-6	MID-R.A. PLENUM	UNDER MID. PLATF. OB. EDGE					1 2
BTC-43					UNDER MID. PLATF. IB. EDGE					1 2
BTC-44			E-7	S. R.A. PLENUM	UNDER S. PLATF. OB. EDGE					1 2
BTC-45					UNDER S. PLATF. IB. EDGE					1 2
DP-1	3"	PVC	E-114	TRACKS IN TUNNEL	TPSS	FUT. POS TRACTION POWER CABLES				VERTICAL RUN PORTION (IN VENT SHAFT) N/C 2
DN-1						FUT. NEG TRACTION POWER CABLES				2

DESIGNED: H.S. CHU
 DRAWN: H.S. CHU
 CHECKED: P.S. CHU
 APPROVED: H.B. ZACKRISON

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
		2/8/77	H.S.	GENERAL REVISION
		3/2/77	H.S.	REVISED PER P.O. #11
		3/25/77	H.S.	REVISED PER P.O. #13
		3/25/77	H.S.	REVISED PER P.O. #15 REV 1

NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
		2/8/77	H.S.	GENERAL REVISION
		3/2/77	H.S.	REVISED PER P.O. #11
		3/25/77	H.S.	REVISED PER P.O. #13
		3/25/77	H.S.	REVISED PER P.O. #15 REV 1



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

MATHEWS • CHATELAIN • BEALL
 ENGINEERS AND ARCHITECTS
 SECTION DESIGNER

DE LEUW, CATHER & COMPANY
 GENERAL ENGINEERING CONSULTANT

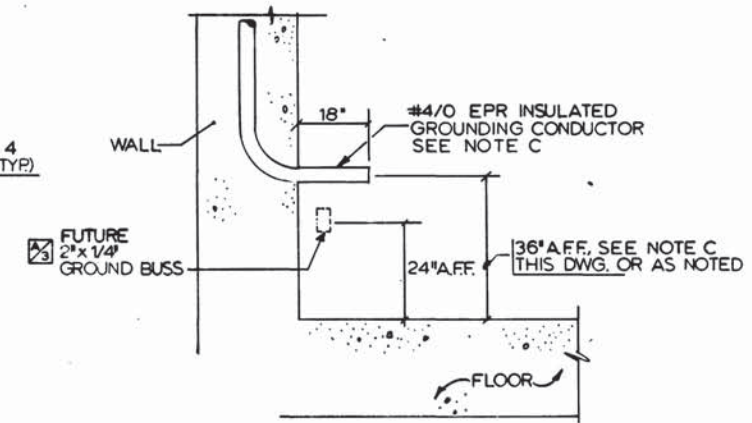
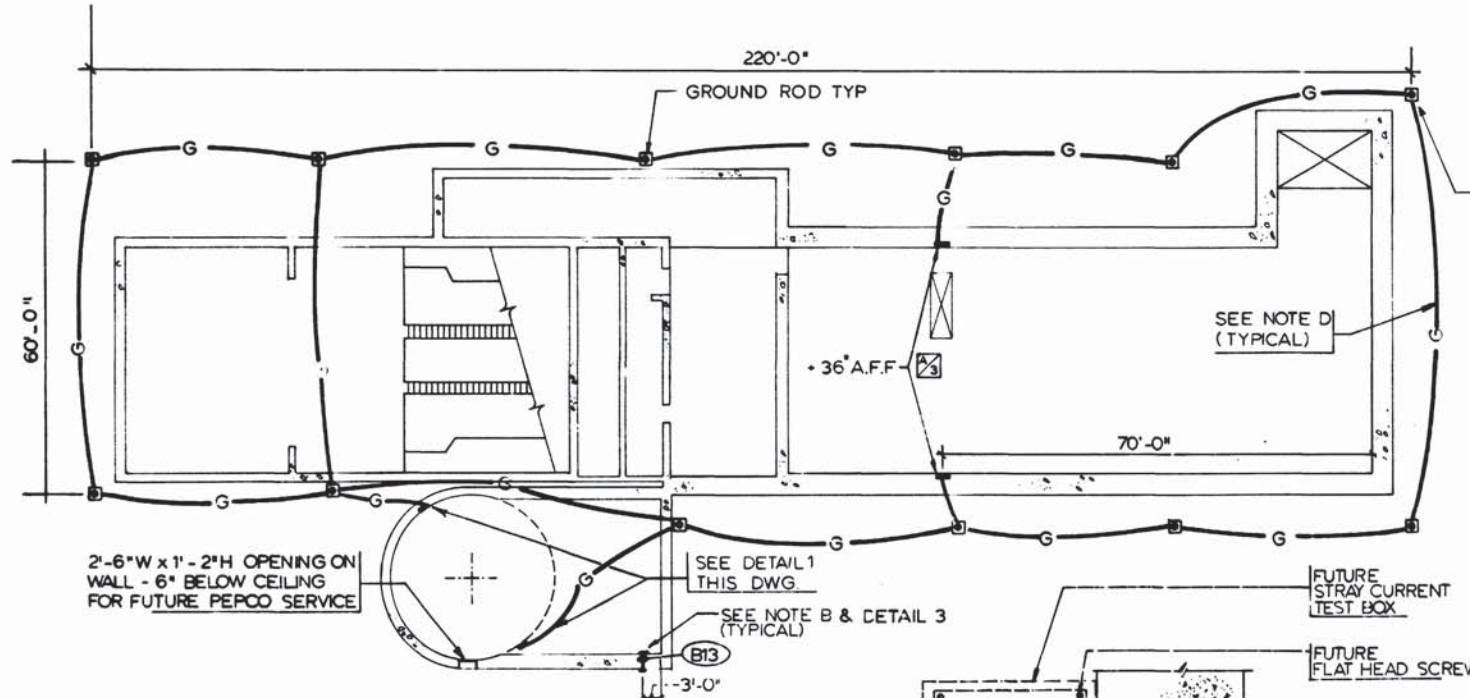
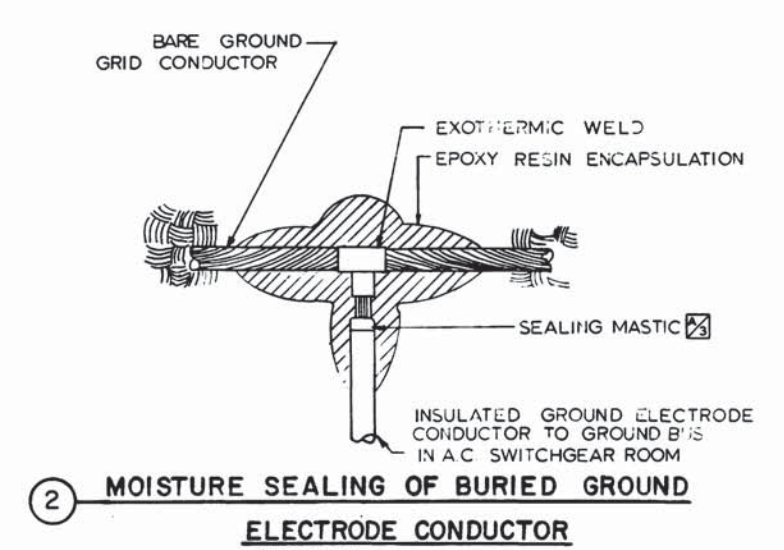
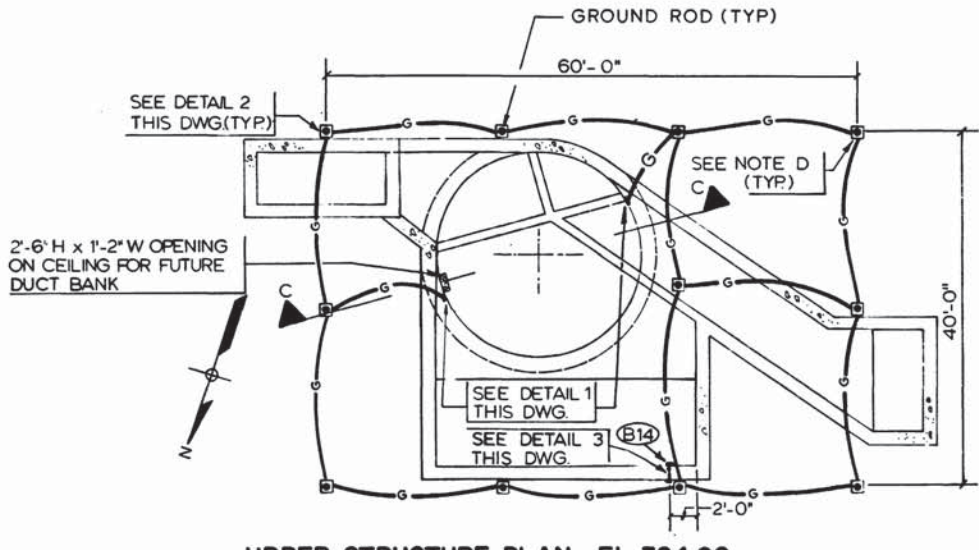
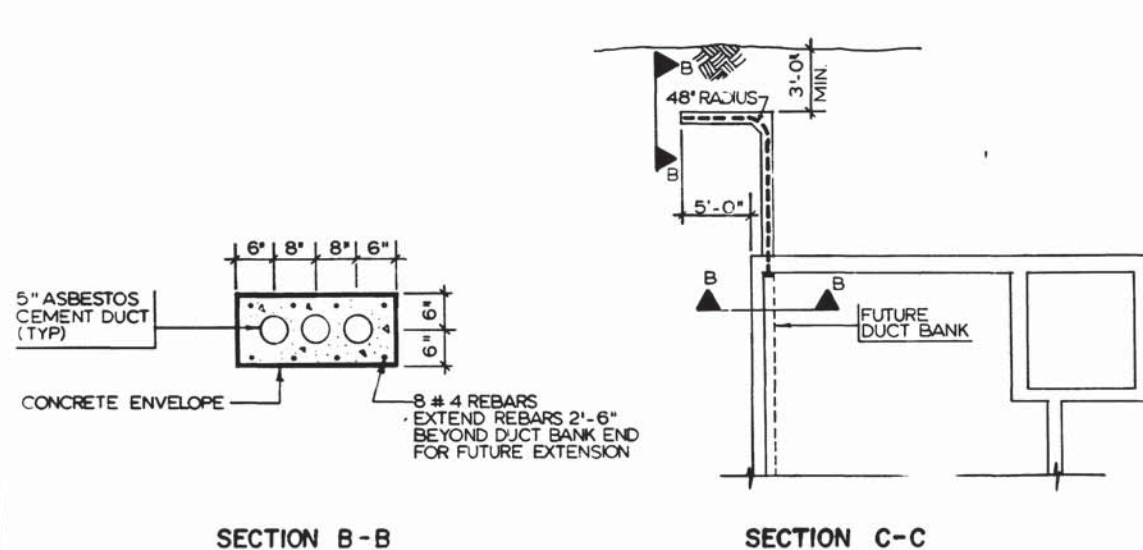
HARRY WEESE & ASSOCIATES
 GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED: *Jim Chatell* DATE: 5/12/77 APPROVED: *Robert Weese*

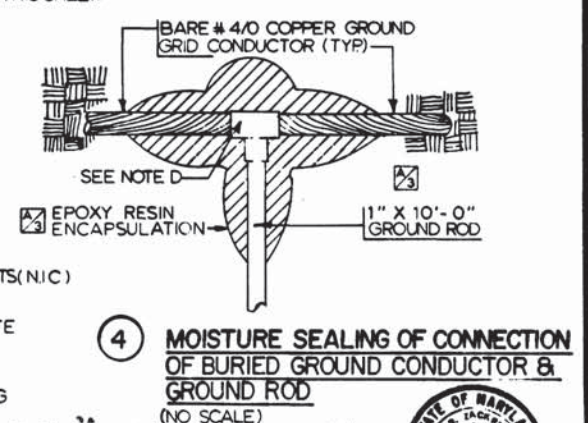
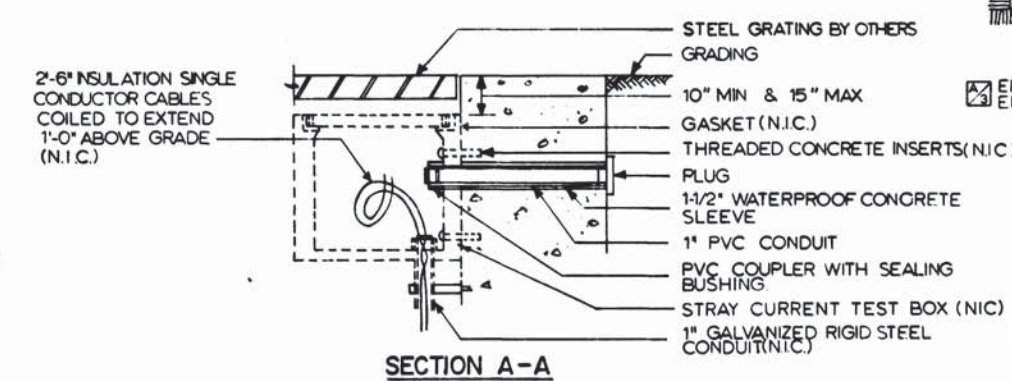
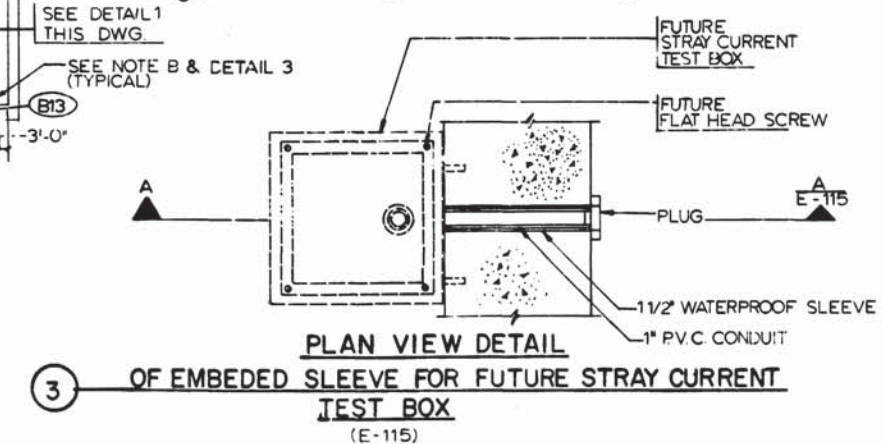
**ROCKVILLE ROUTE
 BETHESDA STATION
 TRAIN CONTROL CONDUIT SCHEDULE**

SCALE: NONE DRAWING NO. A11b-E-15 M276-246





- NOTES**
- ALL GROUND ELECTRODE CONDUCTORS BURIED UNDERGROUND SHALL BE COPPER #4/0 BARE. ALL GROUND ELECTRODE CONDUCTORS ENCASED IN CONCRETE SHALL BE #4/0 COPPER WITH EPR INSULATION.
 - THE DETAIL SHOWING "MOISTURE SEALING OF BURIED GROUND ELECTRODE CONDUCTOR" IS ONLY APPLICABLE FOR THOSE CONNECTING THE GROUND GRIDS AND GROUND CONNECTORS.
 - THE 36" A.F.F. DIMENSION IS FOR GROUND CONDUCTOR PIGTAIL THAT CONNECTED TO GROUND BUSES IN VARIOUS EQUIPMENT ROOMS; FOR FAN AND VENT SHAFTS 12" BELOW FINISHED FLOOR OF UPPER CHAMBER OR AS STATED OTHERWISE.
 - THE GROUND ELECTRODE CONDUCTORS SHALL BE EXOTHERMIC WELDED TO GROUND ROD. SEE DET. 4 THIS SHEET.



DESIGNED	R. S. CHU	3/20/78	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	ELENA ROCHA	4/2/78	DATE			07/08/77	HZ.	GENERAL REVISION
CHECKED	P. S. CHU	3/25/77	DATE			10-12-77	HZ.	UPDATED NOTES ON DETAILS 1, 2 & 4
APPROVED	H. B. ZACKRISON	3/25/77	DATE					



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GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

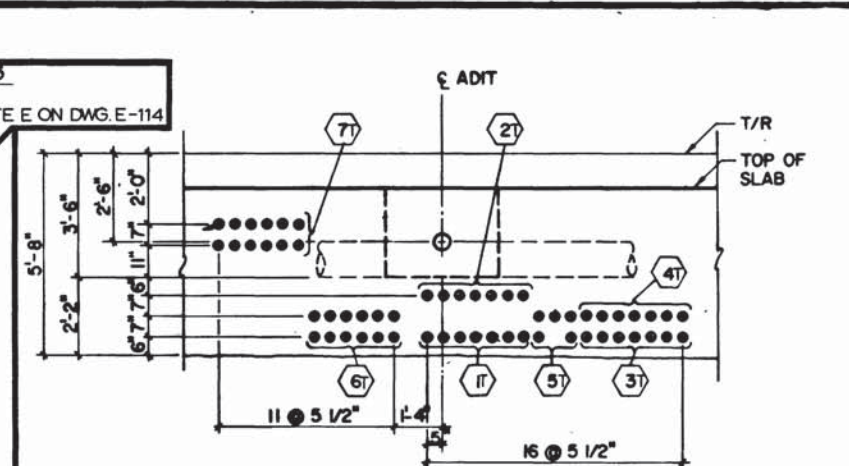
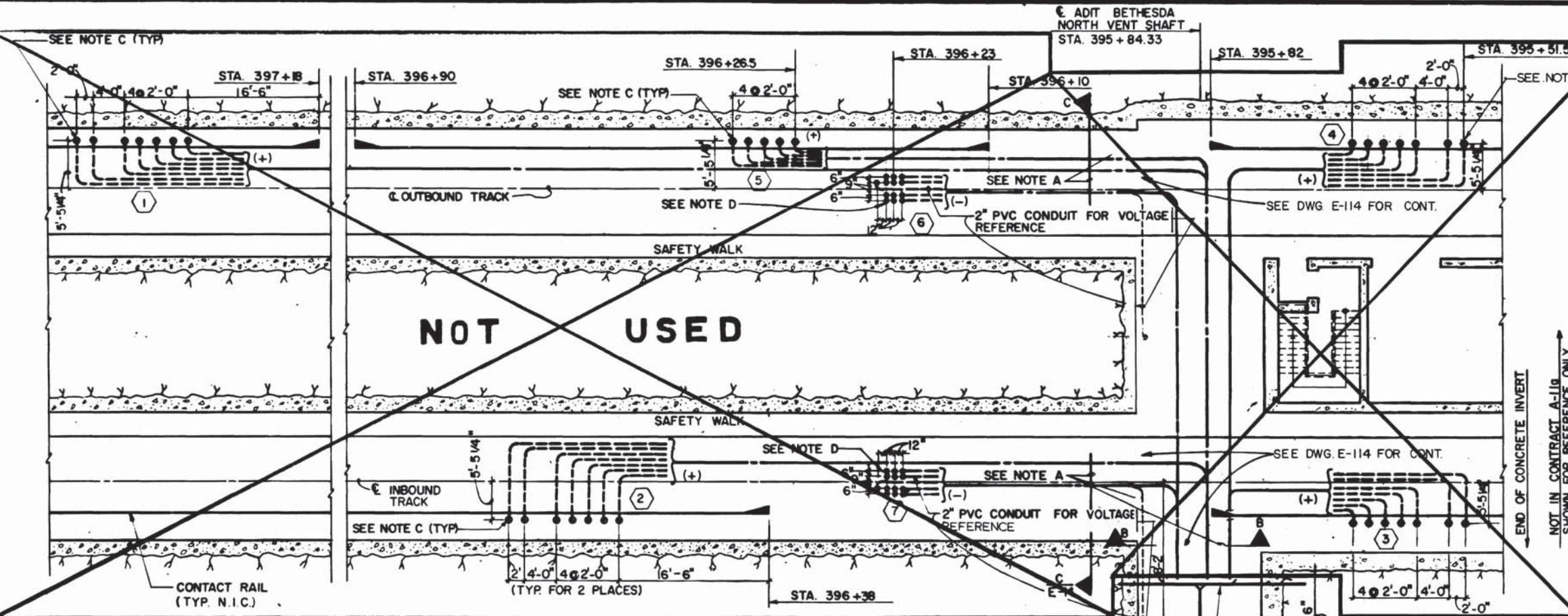
SUBMITTED *Lena Chu* DATE 5/12/77 APPROVED *Robert...*

ROCKVILLE ROUTE BETHESDA STATION GROUNDING SYSTEM

SCALE AS SHOWN

DRAWING NO. A-11b-E-115

M276-245

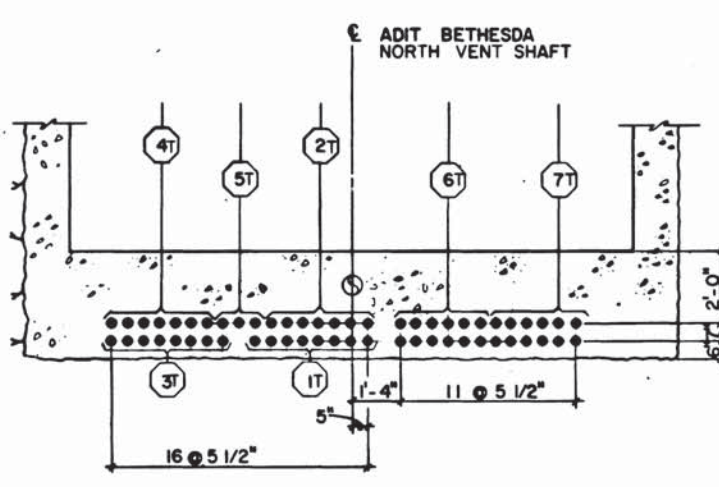


SECTION B-B
SCALE: 3/8"=1'-0"
(SEE NOTE A)

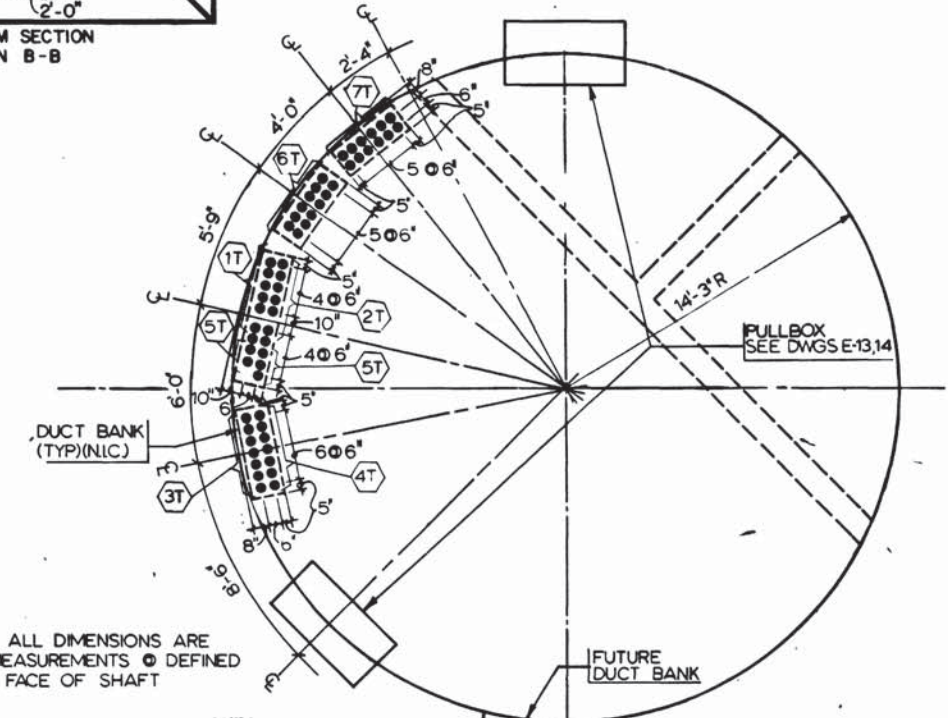
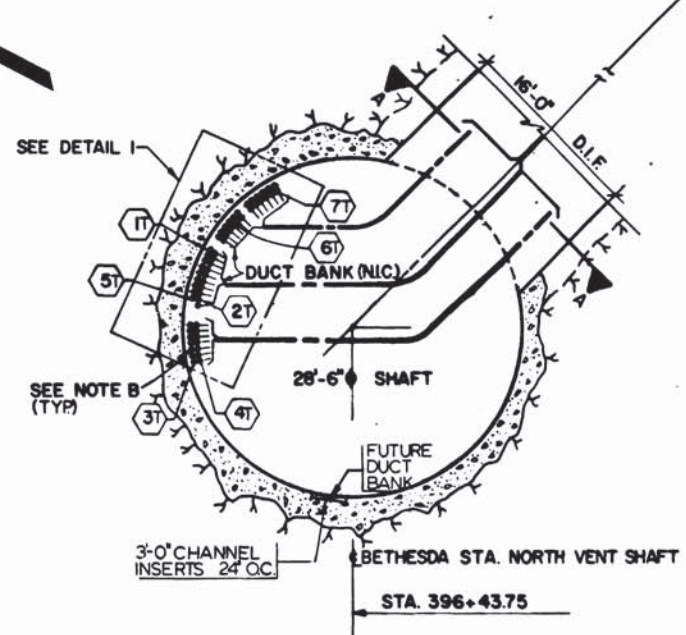
- GENERAL NOTES**
- SEE DWG. E-2 FOR SYMBOLS, ABBREVIATIONS, & GENERAL NOTES.
 - SEE GENERAL NOTES ON DWG. E-120.
 - ALL TRACTION POWER CONDUITS SHALL BE 3" PVC UNLESS NOTED OTHERWISE.
 - ALL CONDUIT GROUPS WITH A SUFFIX 'T', IE (20T) REFER TO A110 CONDUIT GROUPS OF THE SAME NUMBER W/O SUFFIX 'T'.
- NOTE**
- THESE DIMENSIONS MUST BE ADHERED TO IN ORDER TO PLACE FUTURE WORK IN THE PROPER LOCATIONS.
 - TERMINATE CONDUITS WITH COUPLINGS FLUSH WITH TOP OF FINISHED FLOOR.
 - SEE DETAIL 1A DWG. E-45 FOR TERMINATION OF CONDUIT.

PLAN
(E-15)

END OF CONTRACT A-11g
END OF CONCRETE INVERT
STA. 395+95.33
MATCH LINE
SEE DWG. 114 FOR CONTINUATION



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



NOTE: ALL DIMENSIONS ARE ARC MEASUREMENTS @ DEFINED INSIDE FACE OF SHAFT

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
AS BUILT CONDITION
BY *[Signature]* DATE DEC 27 1982

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



DESIGNED		REFERENCE DRAWINGS		REVISIONS		
NUMBER	DATE	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
A. MALLARI	7-24-74	5-77	BETHESDA STA. NORTH VENT SHAFT	07/08/77	H.Z.	GENERAL REVISION
C. REID	7-25-74					
H.B. ZACHARSON	2-5-75					
L. CHATELAIN	2-5-75					



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 *[Signature]* DATE *[Signature]* APPROVED *[Signature]*

ROCKVILLE ROUTE
TRACTION POWER CONDUIT
STA. 395+84.33

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

DRAWING NO. A-11b-E-214 M276-244