PASSIATION OF LENgin and Bising 1414

	FRANKL STANSFORE Vo. 3-13-					
173519M	\$6,4311 (\$771A)	3,438 (2/43 (4/2))				
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161-31.50 10 13:97.83	A223, T3 2251,	i				
95797.82 8661% 1 70-5(93)220 * 15-97.81 88 1 76-3(3)1220	i .					
	2642.65					
32-43.47	1	1316.31				
109+67.28	!					
.35+32.09 .0 215-30.09	<u> </u>	ASPA, DV 2501				
PROGRES TOTAL	2512.55	J)16.3)				
SUMMIT COUNTY CLEAR CREEK JOHNTY	2642.35 6316.41	0 SG: 1,196				
SUMMARY SUMMET FORM CY	118. FT. 2642.35	MILES o sol				
CLEAR CREEK COUNTY	6316.41					
HTDHEL RIOSE SKK TEK	3959 45	1,697				
985	SIGN DATA	· · · · · · · · · · · · · · · · · · ·				
230 SYRUD 30 35RD26 HUMIKKN	SIGN BATA	3, 30,				
	SIGN DATA	3° 30' 2,232				
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MAXIMUM DEGREE OF CURYS MAXIMUM GRADO	FIGH DATA	2,232				
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MAXIMUM DEGREE OF CURYS MAXIMUM GRADO MINIMUM SSO MURICONTAL MINIMUM SSO VERTICAL	SIGN CATA	350°				

## DEPARTMENT OF HIGHWAYS STATE OF COLORADO

PLAN AND PROFILE OF ERCROSED AS CONSTRUCTED FEDERAL AID PROJECT NO. 170-3(83)220

STATE HIGHWAY NO. 70

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R.O.W. Acquired Under (I 70-3 (14)220 {1 70-3(16) (I 70-3(26)

PE, and Utilities under T70-3(78)

REVISIONS REVISED 7 1010

(R.D. Signature, Title Block -10-17-78-6.8.

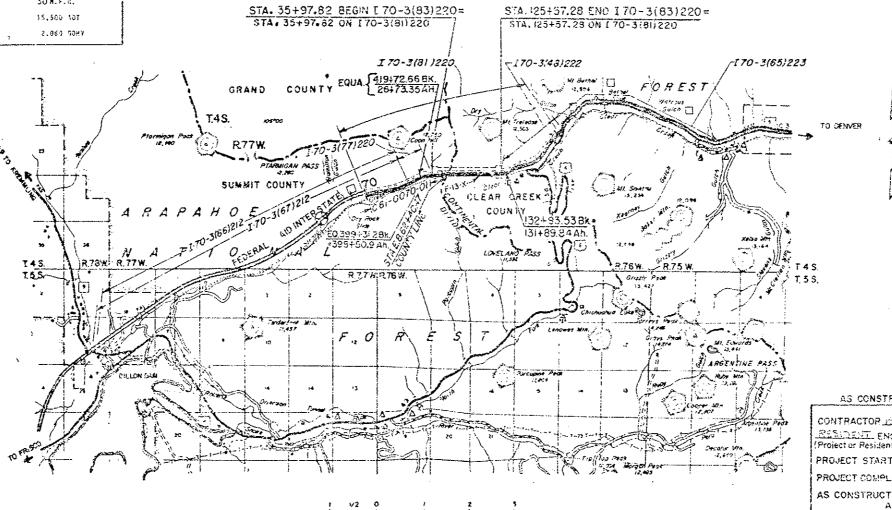
AS JONSTRUCTED

### SUMMIT AND CLEAR CREEK COUNTIES

SCALES OF ORIGINAL DRAWINGS

ON PLANS AS SHOWN

GROSS AND NET LENGTH OF PROJECT 5959.5 FEET=1.697 MILES



SCALE IN MILES

ALL SCALES SHOWN ARE FOR ORIGINAL DRAWINGS.

INDEX OF SHEETS

ADD CHE CHARGES DATE

AS CONSTRUCTED INFORMATION

(R-1)

CONTRACTOR MEAVER COLL FOR MEANINEER LASK & GAY
(Project or Resident)

PROJECT STARTED April 2 1979

PROJECT COMPLETED MANUA 1 1980

AS CONSTRUCTED PLANS
APPROVED

TITLE DATE

DEPARTMENT OF TRANSPORTATION REDERAL MIGMWAY ADMINISTRATION

DIVISION ENGINEER

E.B. CDOH 4462

NO REVISIONS F i esviseo T VIII COLORADO 170-3(93)220 2 PROJECT SERIES (R-1) REVISED SHEET TITLES ~ 10-17-78 ~ E. B. SHEET NO. SHEET NO. GENERAL SHEET NO. SHEET NO. THILE SPEET AND SKETCH MAP AND TARBULATION OF LEWSTH AND DECIMA DAYA PENDER OF SHEETS 2,3 9-2 70 6-3 8-4 TO 6-6 SEMMARY OF APPROXIMATE QUARTITIES PLAN AND PROFILE - KEY TO GENERAL ARRANGEMENT DRAINAGE CONERAL ARRANGEMENT WEST FERTAL TO STA. 45+34.66 0-8 GENERAL APRAMGEMENT STAL 45+34.68 TO STA. 56+90.43 6-3 D-1 GENERAL GRAINAGE PLAN GENERAL ARRANGEMENT STA. 56490.43 TO STA. 68496.43 GENERAL ARRANGEMENT STA. 68+95.43 TO STA. 81+02.43 57 9-2 INLET DRAIN PIPING LOCATION \_ MORTH AND SOUTH CURB 9-11 INLET AND MARROLE COCATION PLAN - STATION 35:00 TO 65:00 GENERAL ARRANGEMENT STA, 81+02,43 TO STA, 03\*08.12 5.3 3-3 6-12 59 OCHRE OF CONTRACT OF THE PROPERTY OF THE TRACE OF THE TRA 0-1 GEHERAL ASSAUGENEUT STA. 93+08.43 TO STA. 105+14.43 13 6-13 GEMERAL ARRANGEMENT STA. 195+14,43 TO STA. 117+20.43 8-5 INLET AND NAMHOLE LOCATION PLAY - STATION 95+30 TO 125+00 6-14 15 G-15 GENERAL APPANSEMENT STA, 117420.43 TO EAST PORTAL 16 9-16 9-17 TO G-19 CURB GRADE LINES IN TUNNEL 17-19 G-20 TO 3-23 WEST PORTAL PARKING, STORAGE AND ACCESS AREAS 20-23 21-21 G-24 TO S-27 EAST PORTAL PARKING, STORAGE AND ACCESS AREAS WALKWAY, CURB, GUARD RAIL AND HAND RAIL MORTH AND SOUTH CURSS TYPICAL SECTIONS RAILING ARRANGEMENT AND CETAILS 29 W-2 30 M-3 PLAN AND ELEVATION OF TYPICAL SAFETY CURB AND HAND RAIL SPACING (2-1) .31 WALKWAY ANGLE SUPPORT ASSEMBLY DETAILS WALKWAY DETAILS X-5 ¥-5 PRECAST SAFETY CURBS DETAIL 34 PLAN OF PRECAST CURB THRU WEST VENTILATION BUILDING SHEET NO. 1 35 8-8 PLAN OF PRECAST CURS THRU WEST VENTILATION BUILDING SHEET NO. 2 36 a-9 PLAN OF PRECAST CHOB THRU WEST VENT BUILDING SHEET NO. 3 WALL FINISH 37 PLAN OF PRECAST CURB THRU EAST VENTILATION BUILDING H-10 BLAK-FX Walking Erection Plans and Walking Framing Details MF-1 TO MF ? MALE TILE ARRANGEMENT - MORTH AND SOUTH WALLS 61-62 32 AX ~ GX WALL TILE AND MOUNTING UNIT DETAILS MALL TILE AND MOUNTING UNIT DETAILS 4F-4 65 WF-5 WALL TILE TYPICAL CUTGUT DETAILS 66.67 WF-5 TO WF-7 CABINETS TELEPHONE, FIRE EXTINGUISHER, AND CO ANALYZER 63 INSTRUMENTATION CABINET WF-8 59 XF-9 WALL TILE DETAILS AT PULLBOX STATION STANDARD 70 WF-10 DETAILS OF PULLBOX STATION FRAME STANDARD WATER MAIN SYSTEM 71 XF-11 25 ORK RS SHOTTATE XGBJUG TA 21TATEG 31T JAW 72 WF-12 DETAILS OF PULLBOX STATION FRAMES ON AND OS FH-1 WATER MAIN SYSTEM TYPICAL DETAILS WF-13 WALL TILE DETAILS AT "FILLBOX STATION 3N, 26N, 3S and 26S 39 74 DETAILS OF PULLBOX STATION FRAMES BN. 14N. 21N. 3H. 26N. 3S AND 26S FH-2 FISE BYDRAMT STATION WF-14 FH-3 FIRE HYGRANT STATION MAIN LINE SHUT OFF VALVE 15 WF-15 DOOR DETAILS X-PASSAGENAY, TRANSFORMER VAULT, AND PULLBOX STA. FERE HYDRANT STATION WITH EXPANSION JOINT 76 FH-4 WF-16 BASEMENT EMERGENCY AND WEST VENTILATION BUILDING DOORS PRESSURE REDUCING STATION NORTH WALL EXTENSIONS AND VENTILATION BUILDING DOORS WF-17 WATER MAIN SYSTEM HEST VENTILATION BUILDING PLAN AND SECTION FH-6 ¥F-18 MISCELLANEOUS SIGN DETAILS 52.7 WATER MAIN SYSTEM WEST TRANSITION THRU SIT WATER MAIN SYSTEM PLAN SEGMENT - SIN THRU 335 ¥8-19 TURNEL INTERIOR CABINET, DOOR AND HARDWARE SCHEDULE FH-4 WATER WAIN SYSTEM PLAN SEGMENT \$35 THRU \$53 FH-10 MATER MAIN SYSTEM PLAN SEGMENT SS4 THRU S71 FH-11 MATER MAIN SYSTEM PLAN SEGMENT 572 THRU 589 FH-12 WATER MAIN SYSTEM PLAN SEGMENT SOO THRU \$107 WATER MAIN SYSTEM PLAN SEGMENT STOR THRU STES FH-13 51 WATER MAIN SYSTEM PLAN SEGMENT 5126 THRU 5143 FH-+# 52 FH-15 WATER HAIR SYSTEM PLAN SEGMENT S144 THRU S161 BUILDINGS FH-16 WATER MAIN SYSTEM PLAN SEGMENT S162 THRU EAST TRANSITION 53 EH-17 WATER MAIN SYSTEM EAST VENTILATION BUILDING SHEET NO. 1 5-8-1 PORTAL ATTENDANT BOOTH FLOOR PLAN AND ELEVATIONS 81-83 WATER MAIN SYSTEM EAST VEHTILATION BUILDING SHEET NO. 2 3-2 PORTAL ATTENDANT BOOTH WALL SECTIONS, ROOF PLAN AND FLAGPOLE DETAILS 8-3 PORTAL ATTENDANT BOOTH FOUNDATION AND STAIR GETAILS 182 DIVISION OF HIGHWAYS 83 PORTAL ATTENDATA HOOG HOOG HOOGHTS AND COUNTY CABINET CATELO STATES 84 POSTAL ATTENDANT SCOTH ELECTRIC AND HEATING FLAN 85

XA 13

ARCHITECTURAL EAST AND MEST PORTAL GAS EQUIPMENT & ELECTRICAL PANEL BUILDINGS PLANS ELEVATIONS AND SECTIONS

Flangele Base-

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129	8-6-65	GENERAL FAIL CONTROL BOARDS LAYOUT AND DETAILS
130	8-8-75	SEMERAL GOUNCING PLANS A DETAILS
131	26-6-3	TELEPHONE PISER DIAGRAM
/32	E-6-95	GENERAL POWER & LIGHTING PAREL SCHEDULES
133	E-W-15	WEST VERTILATION BUILDING ELECTRICAL EQUIPMENT ROOM POWER AND CONTROL PLAN
134	E-W-25 .	WEST VENTILATION BUILDING ROADWAY FLOOR POWER & CONTROL PLAN
135	5-W-35	WEST VENTELATION BUILDING FAN FLOOR POWER AND CONTROL PLAN
136	€-¥-45	WEST VENTILATION BUILDING CONDUIT & CABLE SCHEDULE SHEET NO. 1
137	E-W-55	WEST VENTILATION BUILDING CONDUCT 4 CABLE SCHEDULE SHEET NO. 2
138	E-E-15	EAST VENTILATION BUILDING ELECTRICAL EQUIPMENT ROOM POWER & CONTROL PLAN
/39	8-8-35	EAST VENTILATION BUILDING ROADWAY FLOOR POWER & CONTROL PLAN
140	E-E-35	EAST VENTILATION BUILDING FAM FLOOR POWER & CONTROL PLAN
141	E-E-45	EAST VENTILATION SUILCING CONTROL ROOM POWER & CONTROL PLAN
142	E-E-5S	EAST VENTILATION BUILDING CONDUIT & CABLE SCHEDULE
143	E-48-55	WEST & EAST VENTILATION BUILDINGS CONDUIT SECTIONS & DETAILS SHEET NO. 1
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145	£-46-95 .	WEST & EAST VEHITLATION BUILDINGS MISCELLANEOUS DETAILS SHEET NO. 1
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147 141 A	E-#E-12S	AEST A CAST VENTILATION BUILDINGS MISCELLANEOUS DETAILS SHEET NO. 3
148	E-T-15	TUNNEL PONER PLAN, SECTIONS & DETAILS SHEET NO. 1
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TUNNEL LIGHTING PLAN AND DETAILS

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160	M-12S	WEST YENTILATION BUILDING EMERGENCY GENERATOR ROOM PLAN ELEVATION AND DETAILS
161	H-135	CARBON MONOXICE SAMPLING AND ANALYZING SYSTEM PLANS, SECTIONS AND OFFAILS
162	M-185	EAST AND WEST STANDBY PROPANE SYSTEMS PLANS AND SCHEMATICS
/63	H-19S	EAST VENIFICATION BUILDING EMERGENCY GENERATOR ROOM VENTILATION MODIFICATION PLAN AND SECTIONS
164	M-205	WEST VENTILATION BUILDING EMERGENCY GENERATOR ROOM VENTILATION MODIFICATION PLAN SECTIONS AND DETAIL

| TOTAL | 1040 | DIVISION | PROJ. NO. | SHEET | TOTAL | PROJ. NO. | PROJ. NO. | SHEET | TOTAL | PROJ. NO. | PROJ. NO. | SHEET | PROJ. NO. | PROJ. NO.

AS CONSTRUCTED

NO REVISIONS REVISED VOID VOID

(FT) Added Sheets to Index~10-17-78~ E.B.

DIVISION OF HIGHWAYS

INDEX OF SHEETS

signer Structure ailer Numbers

Detailer | Number 3-5 of Deawings

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122	TC-15	TURNEL SIGNING AND LOOP DETECTORS
123	70-25	EAST VENTILATION BUILDING TRAFFIC CONTROL CONSOLE SHEET NO. 1
124	TC-35	EAST VENTILATION BUILDING TRAFFIC CONFROL CONSOLE SHEET NO. 2
125	10-45	MESSAGE BOARD WALL SUPPORT BRACE CEVAILS
126	TC-55	SIDE LIGHT HOUNTING DETAILS
127	64-15	MEST PORTAL AREA - APPROACH SIGNING AND MISCELLAMEOUS DEVICES

% 113 (45/44) % 113 (45/44) A-C 1972

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			Cilbana	ADV OF	ADDON'S ATE ON ANTITIES			·	METAL POS DEVISION   MEDI NO.   MEDI NO.		
			SOWW	AKI Ur	FINAL (ED Added Item and Rev. Quantity~10-17-78~ E. APPROXIMATE QUANTITIES		RE	VISED VOID	COLONDO 17	U =153) 220	4
INDEX		CONTRACT ITEM NO.	CONTRACT ITEM	UNIT		FINAL PROJECT TOTALS	<u> </u>	7.	PROJECT TOTALS		
ler # j		202 211	Removal of Concrete Threaded Rebar	L.S. Each		5,140	<i>+5</i>	100.0	5,135		
3		509 509	Structural Steel Structural Steel (Galvanized)	1.b. 1.b.		73,389 1,357,316	-1,916	97.0 100.0	75,305 1357316	(R)	
6 #5 6 #6		5/4 5/5 5/5	Hand Pail Waterproofing (Wembrane) Waterproofing (Duct Floor)	Lin.Ft. 59. Yd. 59. Yd.		8415 2,422 33,234	-3 -2 +408	/00.0 /00.0 /0/.9	8,418 2,424 32,626	(P-1)	
les 17 r 18		601	Concrete Class T-1	Cu, Yd.		3,458	~ 82.	98.0	3,540		
10 40		604 604	3 Inch Plastic Pipe Sewer (PYC) 4 Inch Plastic Pipe Sewer (PYC)	Lin. Ft. Lin. Ft.		2,265 512 843	-105 -102 +23	95.6 82.6 102.8	2,370 620 820		
/(* م		604	2 Inch Plastic Pipe Sewer (ABS)	Lin. Ft.		12,370	+240	102.0	12,130		
£1 ~12		604	4 Inch Plastic Pipe Sewer (AB5)	LID, FT.		72,370	7240	702,0	72,130		
ler #13 der #14		606 607	Guard Rail Type 1A Tunnel Safety Screen (Deleted)	Lin. Ft. Each		17,919 0	0 -2	<i>100.0</i>	17,9 <b>1</b> 9		
les #15 les #16 les #17 les #19 les #20		614 614 618 618 618	Flagging Traffic Control Supervision Security Guard Prestressed Concrete Slab (4 Inch) Prestressed Concrete Slab (6 Inch) 3 Inch Ductile Iron Pipe	Hour Day Hour Sg.Ft. Sg.Ft. Lin.Ft.	•	99,766 300,613 6	-1,557.5 +20.0 +745.25 - 279 +1,113	22.1 111.0 107.4 99.7 100.4 100.0	2,000 180 10,000 100,045 299,500 6		
*21 *22 *23 *24	ì	619 619 619 619	4 Inch Ductile Iron Pipe 6 Inch Ductile Iron Pipe 8 Inch Ductile Iron Pipe 3 Inch Pressure Reducing Valve 6 Inch Pressure Reducing Valve	Lin. Ft. Lin. Ft. Lin. Ft. Eoch Eoch		8 8,830	0 0 0	100.0 100.0 100.0 100.0 100.0	8 8,830 1		Armin and Army of the Army of
1. *24 10. *25 10. *26 10. *27 10. *28 10. *29		619 619 619 619 619	V2 Inch Relief Valve V2 Inch Gate Valve 1 Inch Gate Valve 3 Inch Gate Valve 4 Inch Gate Valve	Each Each Each Each Each		5° 11 6 2 2 34	00000	/00.0 /00.0 /00.0 /00.0 /00.0	5 11 6 2 34		
de *31 10 *32 10 *33	2	619 619 619	6 Inch Gale Valve 8 Inch Gale Valve 8 Inch Check Valve	Each Each Each		2 7 2	0 0 0	100•0 100•0 100·0	272		
4. "34 4. "35 4. "36	4	619 619 619	4/4 Inch Fire Hydrant 8 Inch Expansion Joint (Single Slip) 8 Inch Expansion Joint (Double Slip)	Each Each Each		34   1   17	000	100.0 100.0 100.0	34 / 17		
				engeriaaning period per							
+	+									DRAWING	G G

74 Feb. 112 (16/60)

INDEX CONTRACT  1000 PAGE SHEET  FOLCE 337  620  Folde 339  622  Folde 439  622  Folde 441  622  Folde 441  622  Folde 441  622  Folde 445  622	Janiforial Service  Cross Passageway Door  Transformer Vault Door  Ventilation Building Door  Placing Basement Emergency Door  Fire Extinguisher Cabinet  Telephone Cabinet  Instrumentation Cabinet	UNIT  Month  Each  Each  Each  Each  Each  Each	Rev. Quantity ~ 11-14-	PA	FINAL ROJECT OTALS  7.75  3  3		% yoin yoin yoin yoin young yo	PRO. TOT.	8 · 3	5	
Folder #35 620 Folder #35 622 Folder #40 622 Folder #41 622 Folder #42 622 Folder #43 622 Folder #43 622 Folder #44 622 Folder #45 622	Cross Passageway Door  Transformer Vault Door  Ventilation Building Door  Placing Basement Emergency Door  Fire Extinguisher Cabinet  Telephone Cabinet	Each Each Each Each		7	7.75 3 3	-0.25 O	96.9 100.0		8 .		
Folder *36 622  Folder *39 622  Folder *40 622  Folder *41 622  Folder *42 622  Folder *43 622  Folder *44 622  Folder *45 622	Cross Passageway Door  Transformer Vault Door  Ventilation Building Door  Placing Basement Emergency Door  Fire Extinguisher Cabinet  Telephone Cabinet	Each Each Each Each			3	0	100.0		3		×
5/4: *39 622 Folde: *40 622 Folde: *41 622 Folde: *42 622 Folde: *43 622 Folde: *44 622 Folde: *44 622 Folde: *45 622	Transformer Vault Door Ventilation Building Door Placing Basement Emergency Door Fire Extinguisher Cabinet Telephone Cabinet	Each Each Each			3		]		<u> </u>		
Folder #40 622 Folder #41 622 Folder #42 622 Folder #43 622 Folder #44 622 Folder #45 622	Ventilation Building Door  Placing Basement Emergency Door  Fire Extinguisher Cabinet  Telephone Cabinet	Each Each				0	100:0		ľ		
Folder *41 622 Folder *42 622 Folder *43 622 Folder *44 622 Folder *45 622	Placing Basement Emergency Door  Fire Extinguisher Cabinet  Telephone Cabinet	Each			2 1		700,0	L_	3		
Folder **42 622 Folder **43 622 Folder **44 622 Folder **45 622	Fire Extinguisher Cabinet Telephone Cabinet			f I		0	100.0		2		
Folder #43 622 Folder #44 622 Folder #45 622	Telephone Cabinet	Each			/	0	100.0		1		
Folder "45 622 Folder "45 622	Telephone Cabinet Instrumentation Cabinet				34	0	100.0		34		
15/den 46 622	Pullbox Station	Each Each Each			11 45 50	0	100.0 100.0 100.0		7/ 15 10		
Folder 47 622	Duct Access Hatch Door Ouct Divider Wall Door	Each			8	0	100.0		2		
Elder *48 622	Sliding Bulkhead Door	Each Each			8 2	0	100.0		9		
Folder \$49 622 Folder \$50 622 Folder \$51 622	Porcelain Enamel Signs	L.S.			<del>-,  </del>	0	100.0				
Folder 50 622 Folder 51 622	Port Damper Portal Attendant Booth	Each Each			049	000	100.0	1,04	?		
Folse 52 622	Gas Equipment Building	Each			2	0	100.0				
Folder 52 622 Folder 53 622 Folder 54 622 Folder 55 622	Electrical Panel Building Flaggole	Each Each			2	0	100.0	2			
Folde 755 622 626	Flagpole Fire Extinguisher Mobilization	Each			34	ô	100.0	34	,		
5140 56 631	Tunnet Power Supply System	4. <i>S</i> . 4. <i>S</i> .				0	100.0	34			
514n 56 631 514n 57 631 514n 58 631 514n 58 631	Tunnel Lighting System Heat Tracing System TV Surveillance System South Tunnel	L.S. L.S. L.S.			/	000	100.0				PATRICIA ATTENDED
Folder 60 632	Traffic Control System	L.S.				0	100.0				
Folder *61 632	Emergency Radio System (Mobile)	4.5.			<del>-</del>	0	100.0	<del></del>			
51der 64 641 Elder 65 642 Edder 67 643	West Building Ventilation Modifications CD Sampling and Analyzing System Fropane System Modifications	L.S. L.S. L.S.			/	0 0	100.0	,			
5 No. 1 68 651 651	8 Inch Concrete Masonry Block Wall 12 Inch Concrete Masonry Block Wall	Sa.Ft. Sq.Ft.			230 410	00	100.0 100.0 100.0	23C 410			
518470 651	Center Bulkhead	4.5.	*		,	0	(22.2				
Folder 70 651 Folder 71 654 Folder 72 654	Porcelain Enamel Ceiling Panels (Fixed) Porcelain Enamet Ceiling Panels (Suspended)	\$9.Ft. \$9.Ft.		279 19	7,672 -	-664	100.0 99.8 100.0	280,33 19,75	6 (R-1)		
alder#74 655	Glazed Structural Wall Tile	3q.Ft.		22	9,230	0	100.0	229,230		!	
Fddm 76 656	Walkway	Lin.Ft.			769	0	100.0	8,769	<del></del>		
699	Fixed Fee	L.S.			/	0	i i				
	•			-	1	0	100.0	8,769			

SEATE DEPARTMENT OF COLORADO
SON OF MIGHNAIS ASTATE OF COLORADO
FORM TO 1317 Myder)
JEMT 1972

(R.D) Deleted Item~11-14-78~ E. B. SUMMARY OF APPROXIMATE QUANTITIES HOSTAL 20AP DIVISION AS CONSTRUCTED REVISED VOID colono 170-3(83)220 NO REVISIONS Vill 6 FINAL PROJECTED % PROJECT DIFF CONTRACT UNIT CONTRACT ITEM TOTALS ITEM NO. BOOM PAGE SHEET FORCE ACCOUNT \$8,000.00 <del>70</del> F. A. <del>-£∂d7</del> \$5,287.60 - 2,712.40 66 On-the-Job Trainee FIAOI 120,000.00 0 -\$20,000.00 0 F.A. Erosion Control F/A02 \$4,000,00 ≠ \$6,757.10 + \$2,757.10 Portal Attendant Booths Electric Service and communication within the Ventilation Buildings 169 F/A03 F.A. F.A. Minor Contract Revisions See Sheet 6A and 6B Deleted F/A05 Telephone Service (Work by Mtn. Bell) F.A. F/AG6 See Sheet GA PROJECT TOTALS NON-FEDERAL AID 0 100.0 Emergency Radio System (Portable) L.S. 632 Folder #62 0 100.0 Ĺ.S. East Building Ventilation Modifications Folder 163 64/ 100.0 0 CO Sampling and Analyzing System (Furnish Only) L.S. 642 Folder 66 421 421 0 100.0 Folder 73 Sq.Ft. Porcelain Enamel Ceiling Panels (Spare) 654 1,802 100.0 1,802 Sq.Ft. Glazed Structural Wall Tile (Spare) 655 Folder 75 DRAWING G-6 JUNE 1969

 FEDERAL HOAD REGION HO.
 CHVISION
 PROJ. NO.
 SHEET NO.
 TOTAL SHEETS

 9
 CULORADO
 I 70 - 3 (53) 220
 6A

# FINAL SUMMARY OF CONTRACT MODIFICATION ORDERS

C.M.O. NO.	DESCRIPTION	PLAN AMOUNT	FINAL AMOUNT	P/N	TEICATION	NEMARKS	
F/A OI	ON THE JOB TRAINES	\$8,000,00	\$5,287,60	ρ			
F/A 02 F/A 03	EROSION CONTROL	\$20,000.00	\$0,00	5			
F/A 03	PORTAL ATTENDENT BOOTHS ELECTRIC SERVICE AND COMMUNICATION WITHIN THE VENTILATION BUILDINGS	\$4.000.00	\$6,757,10	٦			
F/A 04	MINOR CONTRACT REVISIONS;						
	LINE ITEM 1: RETUVE EAST & WEST TRANSITIONS INSTALLED ON 170-3(34) LINE ITEM 2: CHIPPING CURB FOR PLACEMENT OF CONDUIT FOR LODP DETECTORS	\$2,500.00	\$5,000.00	Ł.	-		
	LINE ITEM 3 : ADDITIONAL COST FOR FLAG POLES	\$3,000.00 \$330.00	\$5,000.00 \$330.00	9			
ļ	LINE ITEM 4: PROCUREMENT OF CEILING SUPPORT HANGER, BOLTS FOR TRANSITION AREA.	\$3,000.00	\$ 1,984.19	P	4		
	LINE ITEM 5 : OVERRUN OF LINE ITEM I LINE ITEM 6 : OVERRUN OF LINE ITEM 2	\$3,500.00	<b>\$</b> 3,690.55	P			
į	LINE ITEM 7 : CONNECT EXISTING DRAINAGE TO 170-3(83) DRAINAGE LINES	\$4,000.00 00.005	<b>3</b> ,077.50 <b>\$</b> 969.20	P			
	LINE ITEM 8 : CONCRETE REMOVAL IN CROWN OF W. TRANSITION AREA	\$2,000.00	\$3,323.61	م	j		•
. 4	LINE ITEM 9: EXTENSION OF (T4) TELEPHONE TERMINAL BOX 6 INCHES LINE ITEM 10: INSTALL SIGNAL WIRING FROM E. VENT. BUILDING TO E. PROPANE SYSTEM	\$200,00	00.005€	ρ			
,	LINE ITEM II : EXTEND OVERHEIGHT DETECTOR CONDUIT AT STA. 416+00	\$500.00 \$500.00	\$ 500.00 \$ 696.08	N	-		
	LINE ITEM 12 : EXTEND 4/0 GROUNDING CABLE FROM TUNNEL TO VENT. BUILDINGS	\$500.00	⇒633.50	ب	į		
	LINE ITEM 13 : CUT HOLES IN CEILING STEEL FOR MIS-SET IMBEDS ON 170-3(81) LINE ITEM 14 : INSTALL EXPANSION BOLT IN ANGLE SUPPORT FOR N. CURB WALKWAY	\$5,000.00	CANCELLED BY C.M.O. 17	٥			
	LINE ITEM 15: MODIFY DUCT WORK FROM TUNNEL TO GENERATOR ROOM AT W. FORTAL	54,400.00 51,700.00	\$4,400.00 \$1,700.00	ρ ρ			
	LINE ITEM 16 : PLACE CONDUIT UNDER LOOP ROADS FOR L.P. GAS AT E. W. VENT, BUILDINGS	\$700.00	\$ 551 .42	N			
	LINE ITEM 17: PLACE ROCK BOLTS IN TOP STEEL AT EAST TRANSITION LINE ITEM 18: CLEAN MATERIAL FROM AROUND PORTAL ATT. BOOTHS FOR PAVING OPERATION	\$4,000.00	\$5,301.32	Ъ			
	LINE ITEM 19 : PROCURE & INSTALL GET GROUND RECEPTACLE	\$500.00 \$2,000.00	\$ 2,000.00	Р			
1	LINE ITEM 20 : MODIFICATION OF TELEPHONE & D.C. PULL BOXES	\$200.00	CANCELLED	'			
	LINE ITEM 21: EXTEND CONDUIT & CONDUCTOR FROM PORTAL LIGHT TO WINK-O-MATIC LINE ITEM 22: TELEPHONE BACKING PLYWOOD	\$500.00	\$ 1,075.59	Р		~	
	LINE ITEM 23: GROUND CABLE EXTENSION AT X-PASSAGE	00.005	\$ 408 .40 \$ 1,000.00	P P			
-	*LINE ITEM 24 : EXTEND CONDUITS AT 26 N., 26 S. \$ 3N.	\$5,000.00	\$ 6,490.14	P			
	LINE ITEM 25: INSTALL CONDUITS & CONDUCTORS SC-9, SC-10 & SC-11 LINE ITEM 26: REMOVE & REPLACE DUCT WORK IN EAST VENT. BUILDING	\$1,090.00	\$ 1 09 0.00	P			
İ	LINE ITEM 27: C.O. ANALYZER BOTTLES	\$3,004.00 \$800.00	\$ 3,004.00 \$ 794.92	р Р	•		
.	LINE ITEM 28: ADDITIONAL CONDUCTOR FOR LOOP DETECTOR	\$500.00	\$ 399.50	P		•	
444	LINE ITEM 29: CUT REBAR FROM WALL IN E. STUB TUNNEL LINE ITEM 30: INSTALL CO-AX. CABLE FROM TV. CAMERA TO JUNCTION BOX	\$500.00	5 501.43	P	1		
[	LINE ITEM 31: EXTEND OVERHEIGHT DETECTOR AT STA. 405 +	\$250.00	\$ 243.10 \$ 975.76	P P			
[	LINE ITEM 32: SUBSTITUTE 15 KVA TRANSFORMER FOR 71/2 KVA TRANSFORMER	\$3,000.00	\$ 2,742.85	P			
	LINE ITEM 33: INSTALL SAND AROUND CONDUITS IN TRENCHES LINE ITEM 34: FABRICATE COVERS FOR PUMPS AT GAS BUILDINGS	\$2,500.00	1 2,178.75	N			
	LINE ITEM 35: D.C. FEEDER CORRECTION FROM PREVIOUS CONTRACT	\$500.00 \$200.00	\$ 544.38 \$ 231.53	P P			
}	LINE ITEM 36: MODIFY SAIL SWITCHES AND INSTALL PER CODE	\$5,000.00	5 2,034.59	N.			
4	LINE ITEM 37: BLOW OUT LINES FOR STANDBY PROPANE SYSTEM LINE ITEM 38: SWABBING CONDUITS	\$5,000.00	2,642.04	?			
	LINE ITEM 39: BREAK PKS BATCH PLANT FOUNDATION	\$1,500.00 \$2,500.00	\$ 2,675.47 \$ 2,569.22	N P			
	LINE ITEM 40: INSTALL GROUND WIRE IN TRENCHES FOR OVERHEIGHT VEHICLE DETECTOR	\$2,200.00	\$ 2,081.23	P .			
}	LINE ITEM 41: RELOCATE 'DISCONNECT' SWITCH" Line ITEM 42: REPAIR SEVERED GROUND WIRE AT E. VENT. BUILDING	\$306.00	\$ 251.55	ρ	-		·
	LINE ITEM 43: RETEST WATER LINE	\$375.00 \$2,000.00	\$ 356.10 \$ 2,834.74	P P			
	LINE ITEM 44 : REPAIR BITUTHANE MEMBRANE	\$3,480.00	\$ 3,469.61	N.			
Į	LINE ITEM 45: INSTALL NEW O.H. DETECTOR BASE. LINE ITEM 46: WATER BLAST TYPE 4A CURB	\$ 2,325.00	\$ 2,325.35	N		>	•
1	LINE ITEM 47 : SURFACE PREPARATION OF TYPE 4A CURB	\$ 4,000 co \$ 4,193.00	\$ 4,000.00 \$ 3,054.37	Ni			
1	LINE ITEM 48 : EPCXY REPAIR OF TYPE 4A CURB	\$ 5,216.00	\$ 4,071.09				
	LINE ITEM 49: EXTEND CONDUIT AT EMERGENCY PULL BOXES LINE ITEM 50: LEE TELEPHONE ELBOWS AT PULL BOXES	\$ 3,928.00 \$ 3,000.00	\$ 3,399.16 \$ 3,000.00				
	LINE ITEM 51 : L.P. SYSTEM (81) TEST	\$ 2,000.00	\$ 2.054 .09				
	LINE ITEM 32 : RELOCATE OH. DETECTOR	∮5,000.00 ∮5,000.00	\$ 5,761.94 \$ 5,098.08				•
	LINE ITEM 53: WEST PORTAL L.P. CORRECTION LINE ITEM 54: EAST PORTAL L.P. CORRECTION	\$5,000.00	\$5,099.09				
	LINE ITEM SS : MODIFY PUMP COYERS	\$1,175.00	\$1,166.86			•	
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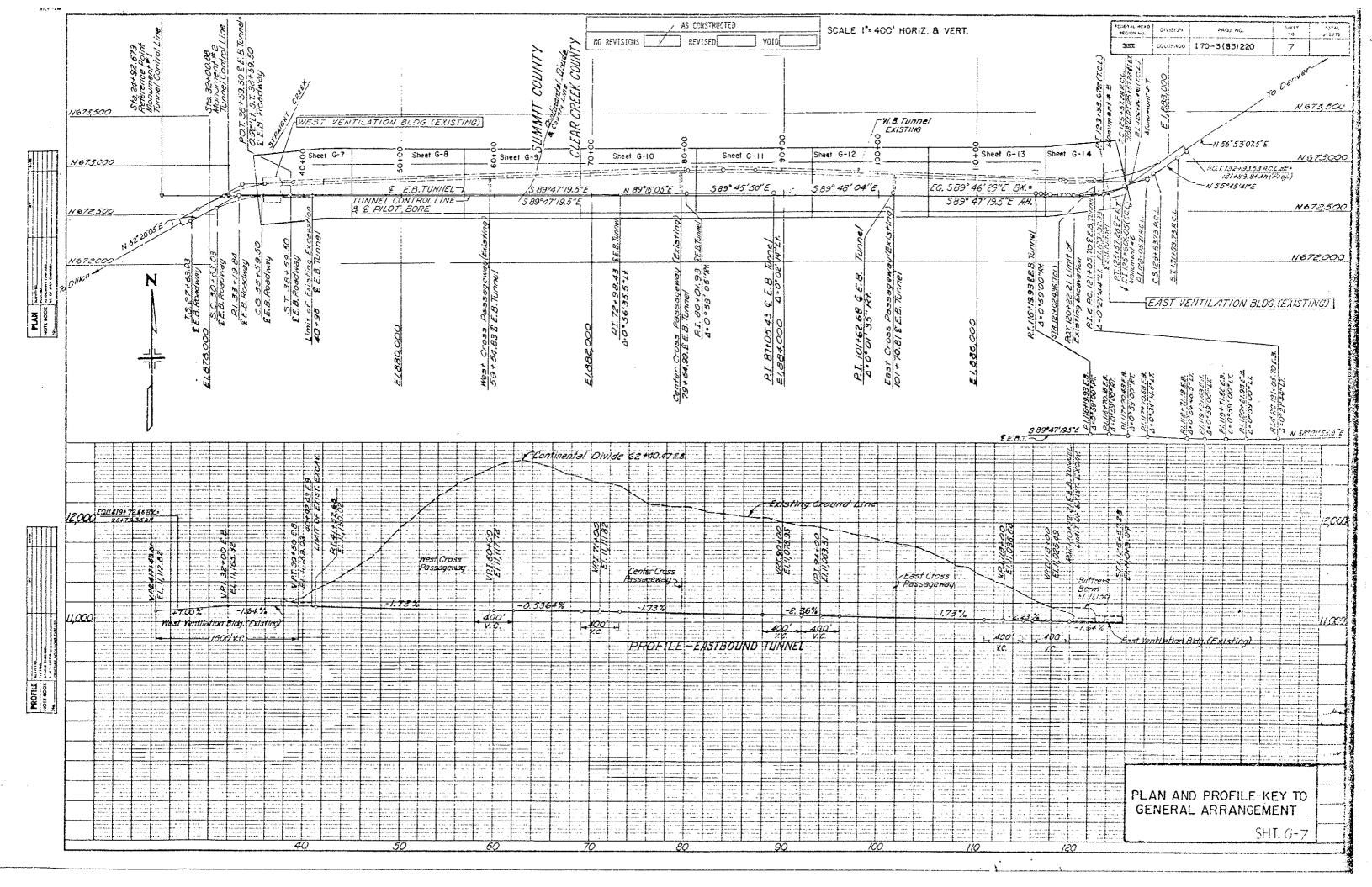
MEY FEB., 1977

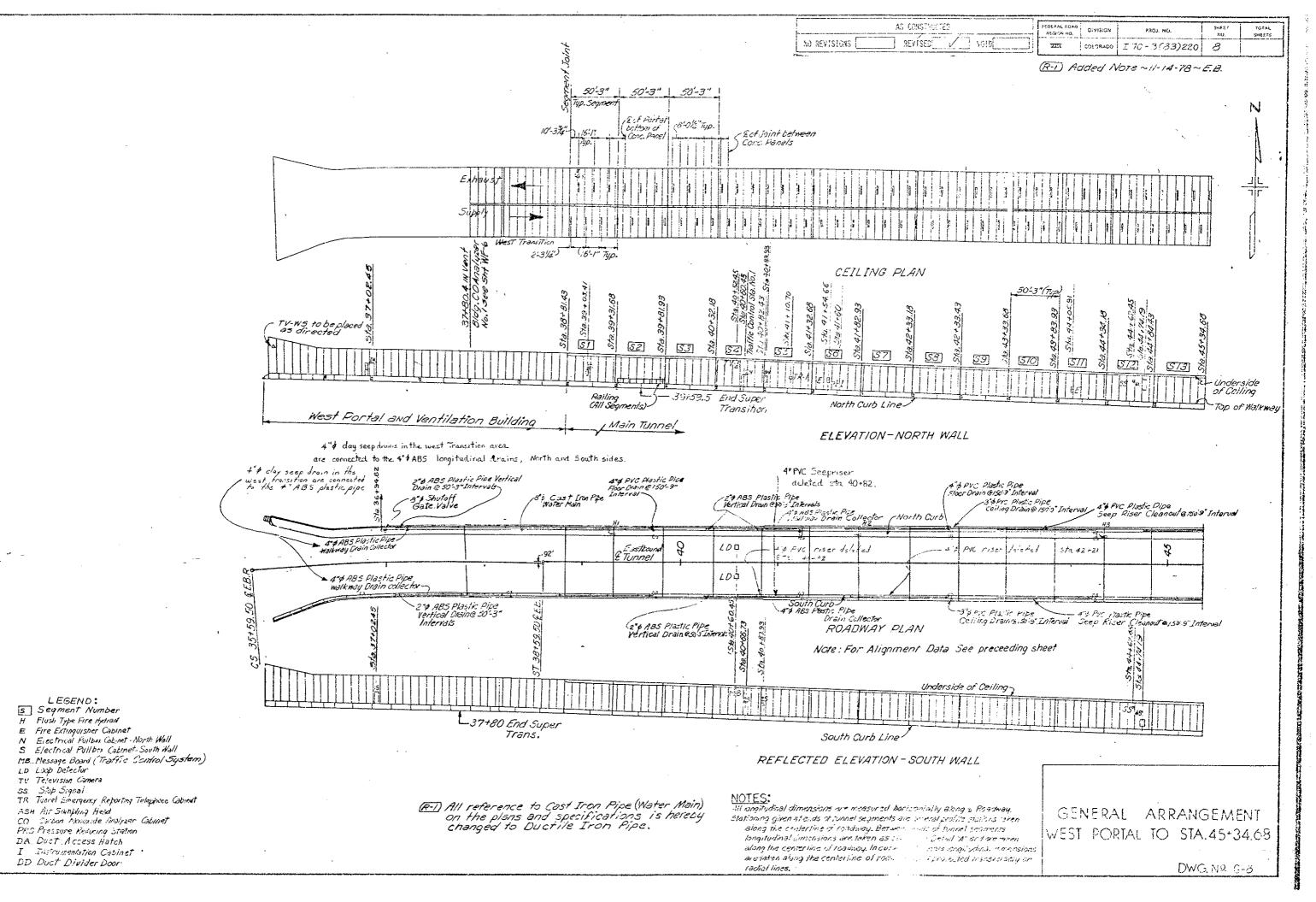
FINAL SUMMARY OF CONTRACT MODIFICATION ORDERS

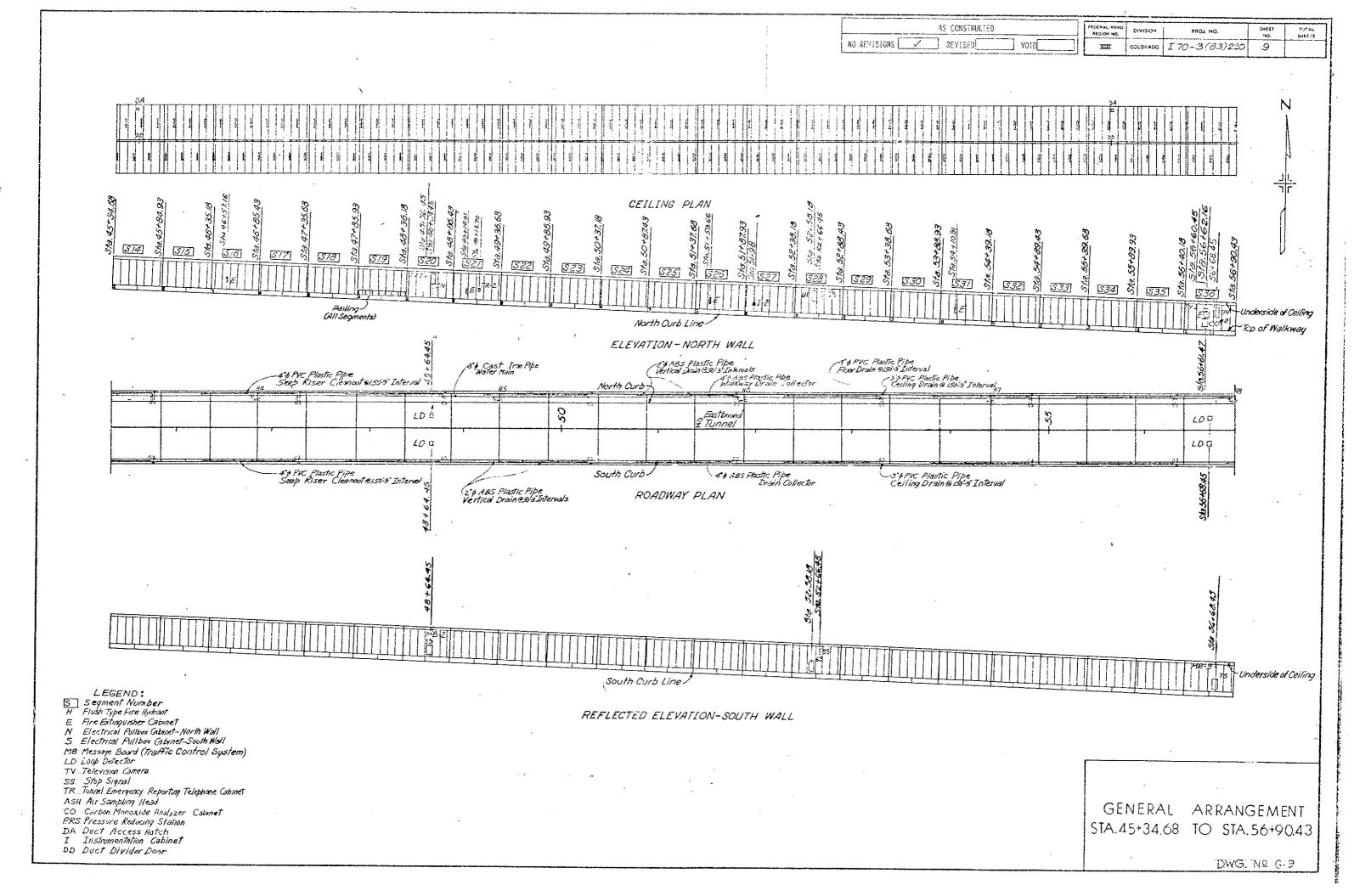
SHEET NO. TOTAL PROJ. NO. COLORADO 170-3(83)220 68

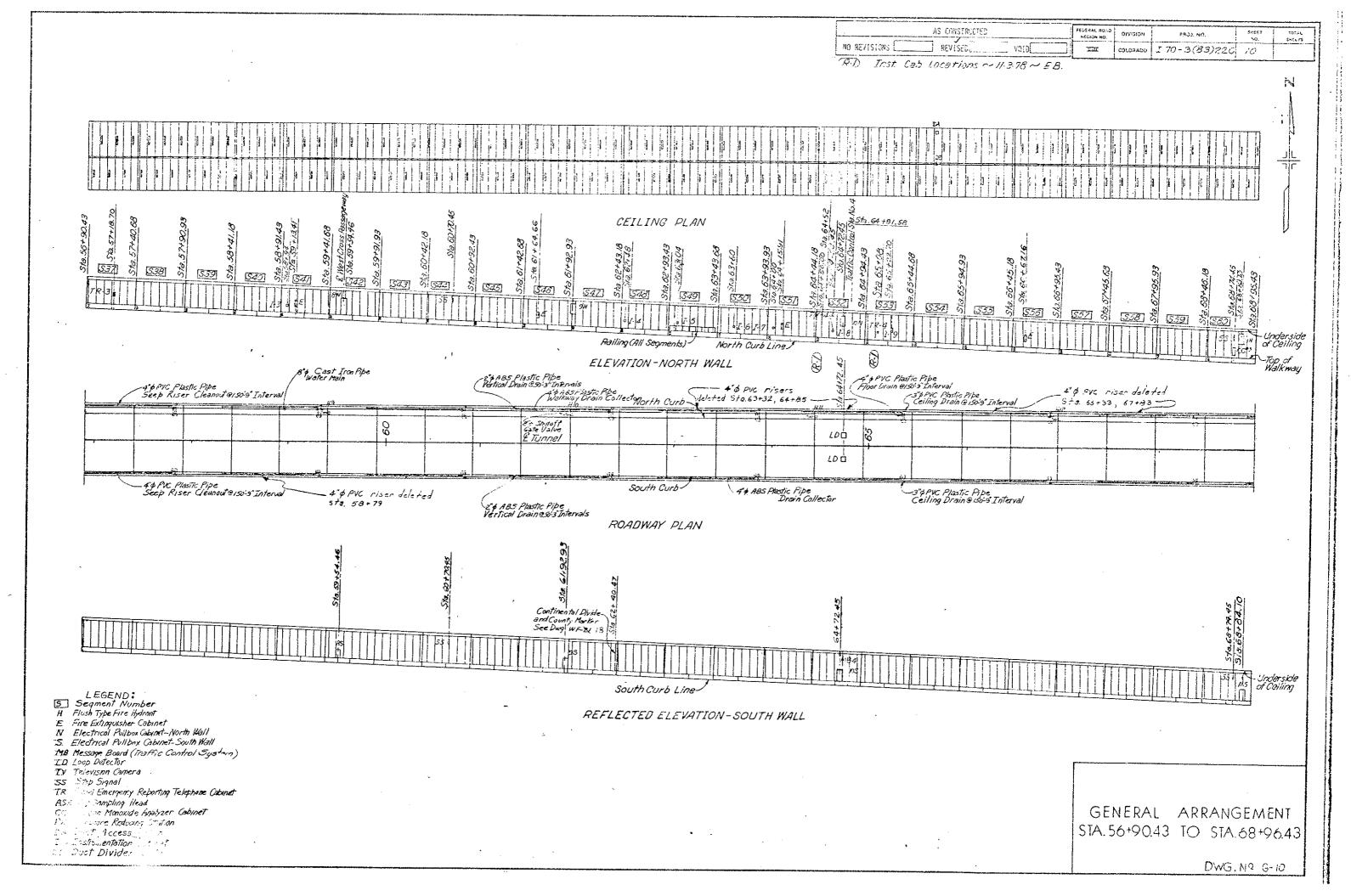
AS CONSTRUCTED REVISED \_\_\_\_ A01D [\_\_\_

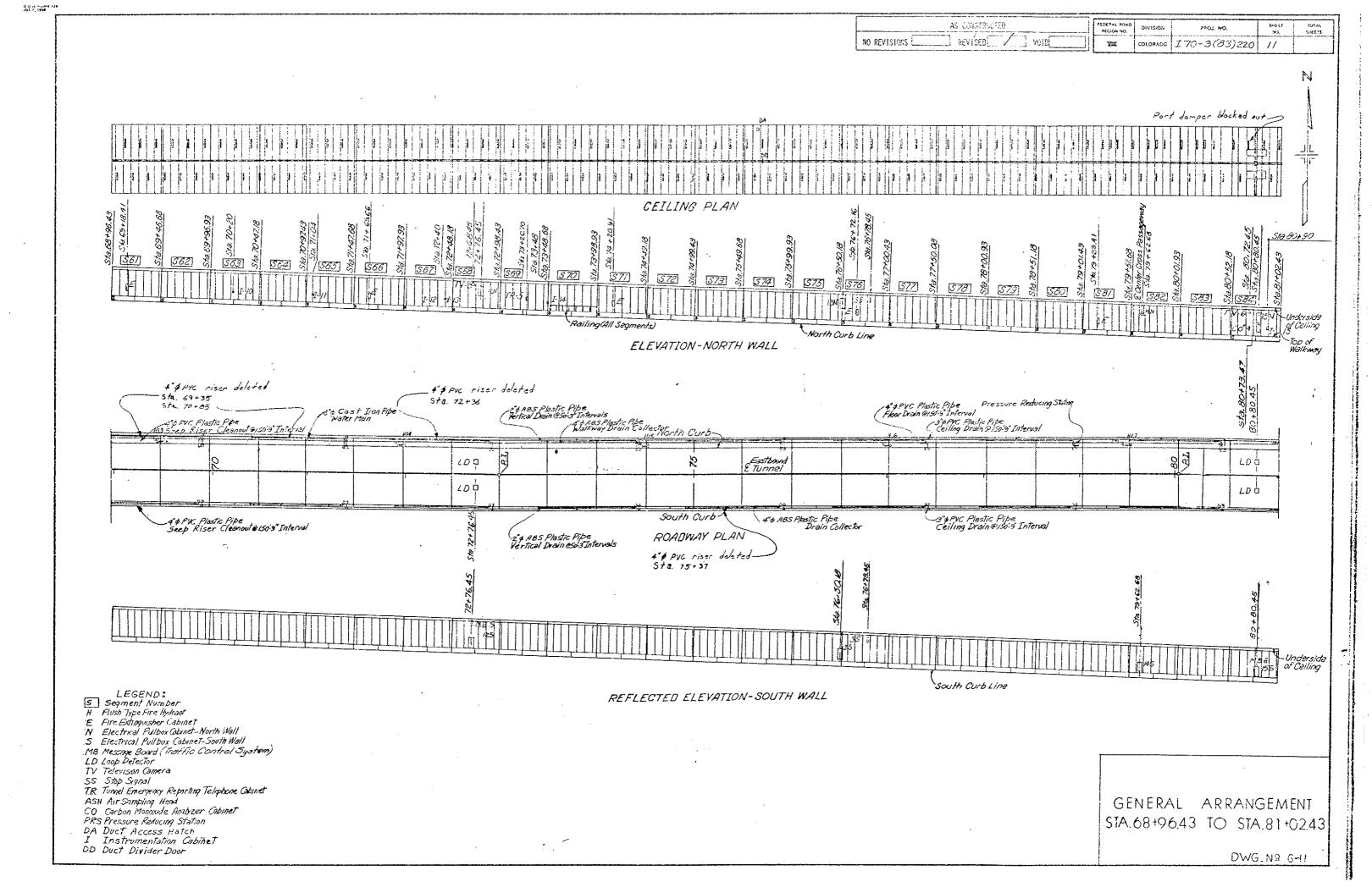
C.M.O. NO.	DESCRIPTION	PLAN AMOUNT	FINAL AMOUNT	P/N	REMARKS
			7		
F/A 05 F/A 06 C.M.O 7 C M O 8 C M.O. 9 C M.O 10 C.M.O 11 C M.O. 12 C M.O. 12 C M.O. 13 C M.O. 14	DELETED  TELEPHONE SERVICE (WORK BY MOUNTAIN BELL)  PRICE REDUCTION ON MATERIALS  DELETE SAFETY SCREEN INSTALL 4" ABS AND 4" PVC OFFSETS  ADDITIONAL DAYS  MOVE OUT- MOVE IN FOR PAVING OPERATION AND COMPLETE LOOP DETECTORS  MOVE CONSTRUCTION TRAILERS INSTALLATION OF ELECTRICAL CONDUITS, STA 120 + 219 TO 121 + 22 4  NOT ISSUED	\$50.000 00 -\$1,424.00 -\$1,290.00 \$900.00 19 DAYS \$25,000.00 \$17,000.00 \$11,633.56	-\$1,424.00 -\$91.00 \$705.10 \$3 BAY3 \$80,063.50 \$16,219.70 \$11,633.56	P P P P P P P	
C.M.O. 15 C.M.O. 16 C.M.O. 17 C.M.O. 18 C.M.O. 19	SHUT DOWN FOR HOLIDAYS AND MOVE OUT - MOVE IN DURING WEEKENDS SWITCH TRAFFIC THROUGH CROSSOVERS FOR WEEKENDS CUT HOLES IN CEILING SUPPORT STEEL ESCROW ACCOUNT FURNISH AND INSTALL EXPANSION FITTINGS IN VENTILATION DUCTWAYS	\$116,870.94 \$20,970.07 \$16,779.18 0.00 \$56,000.00	\$80,001 15 \$40,612 .94 \$16,779 .18 0.00 \$52,326 .09	P D. P P	
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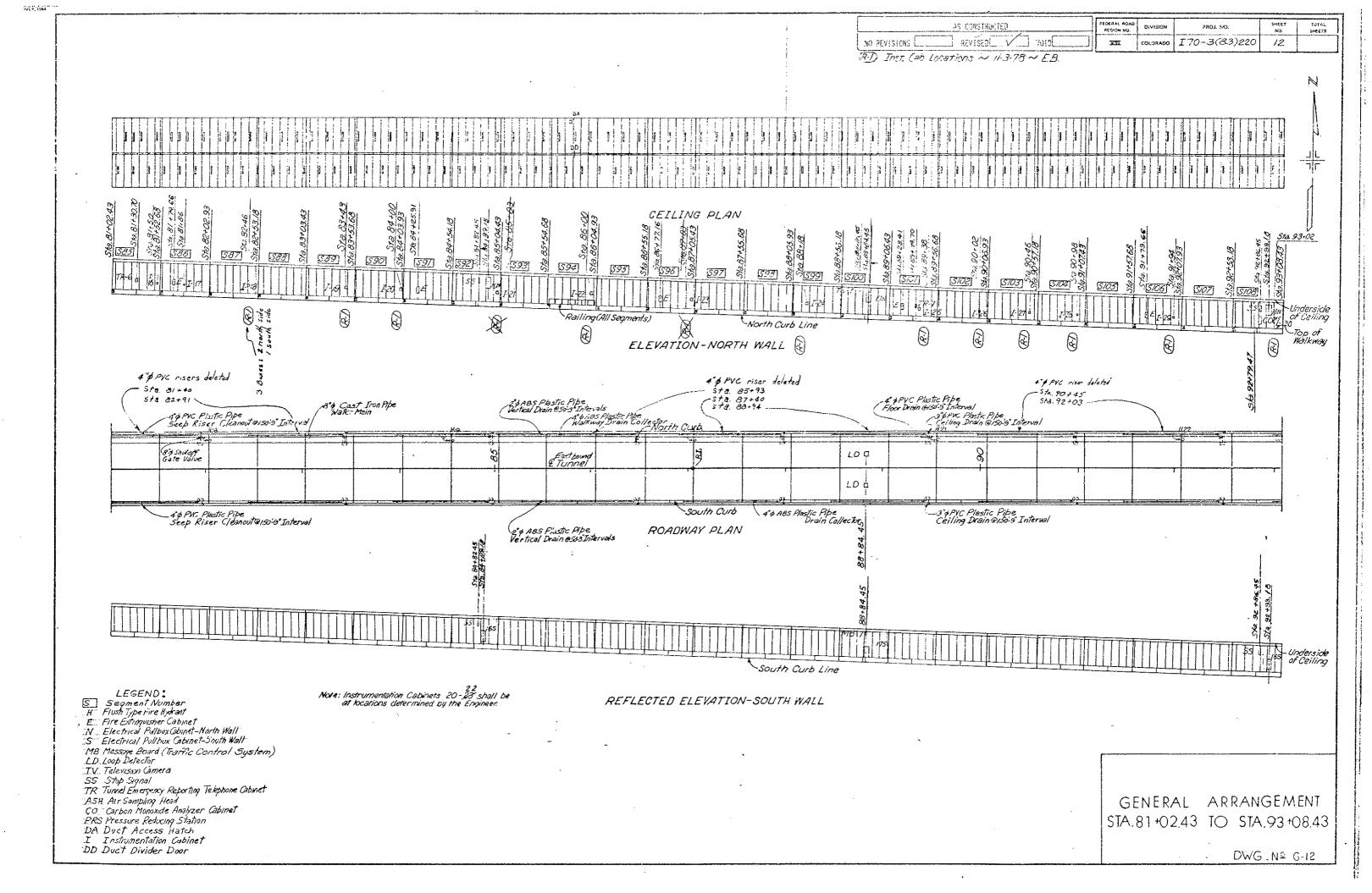


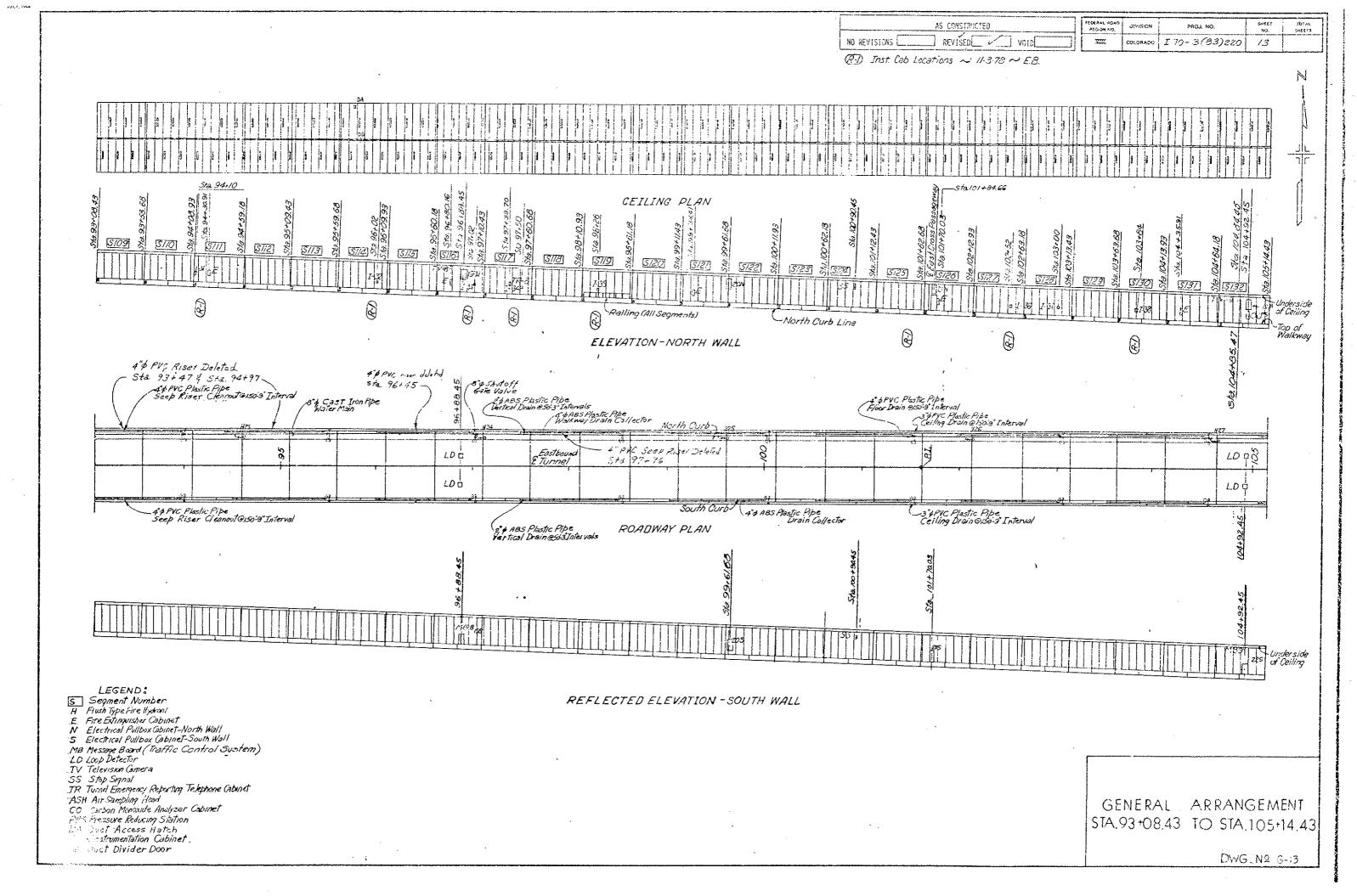


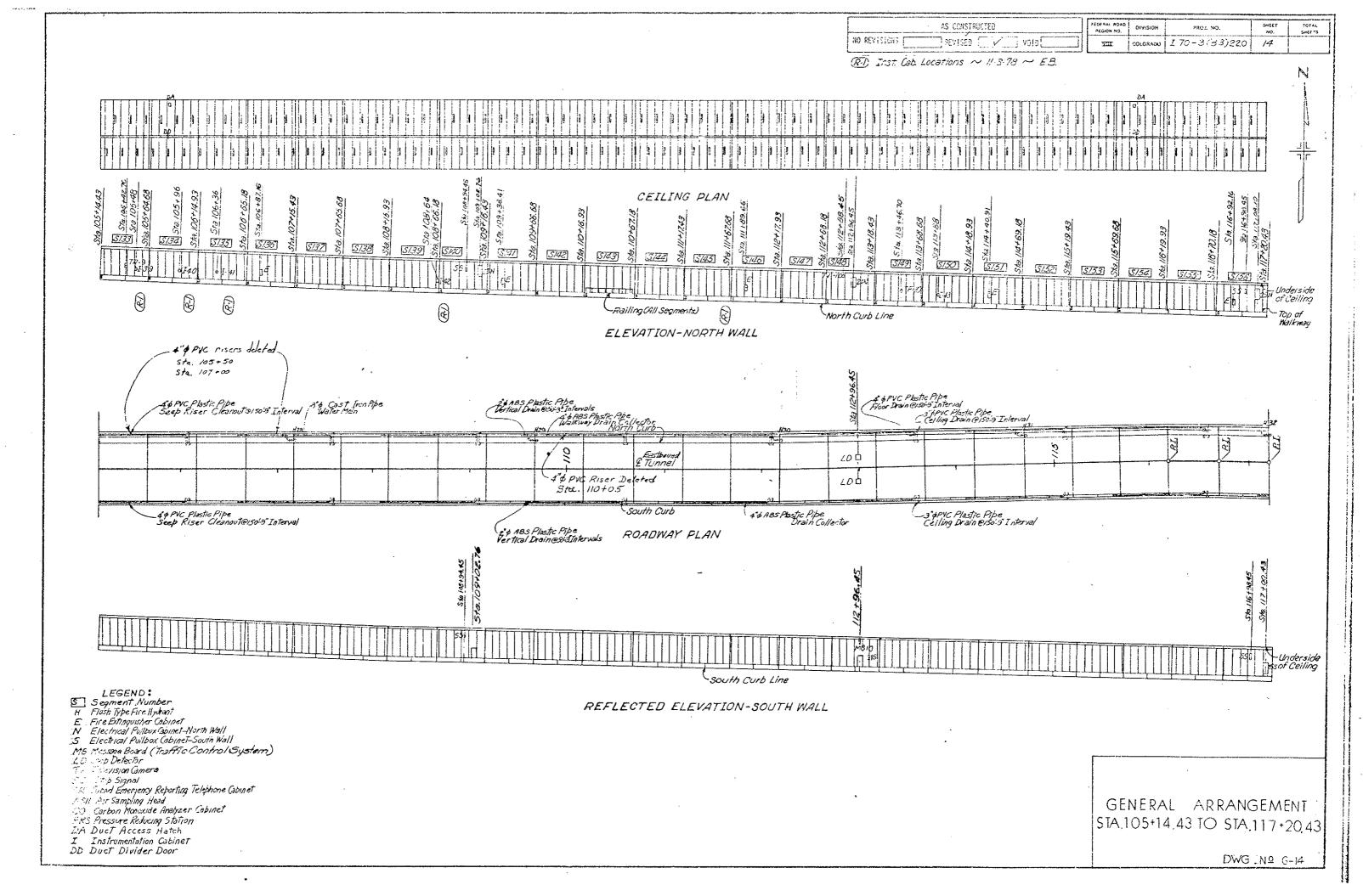


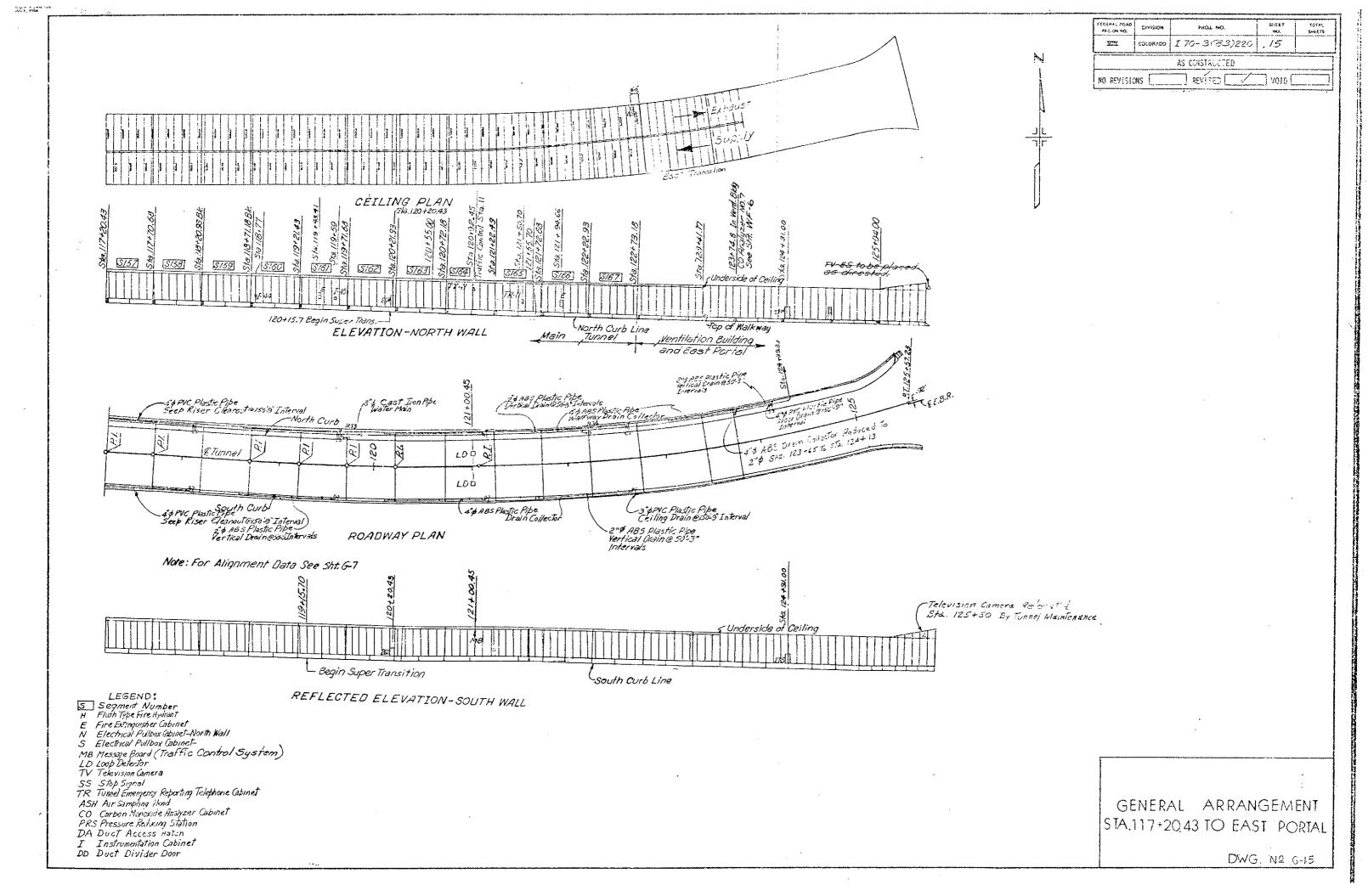


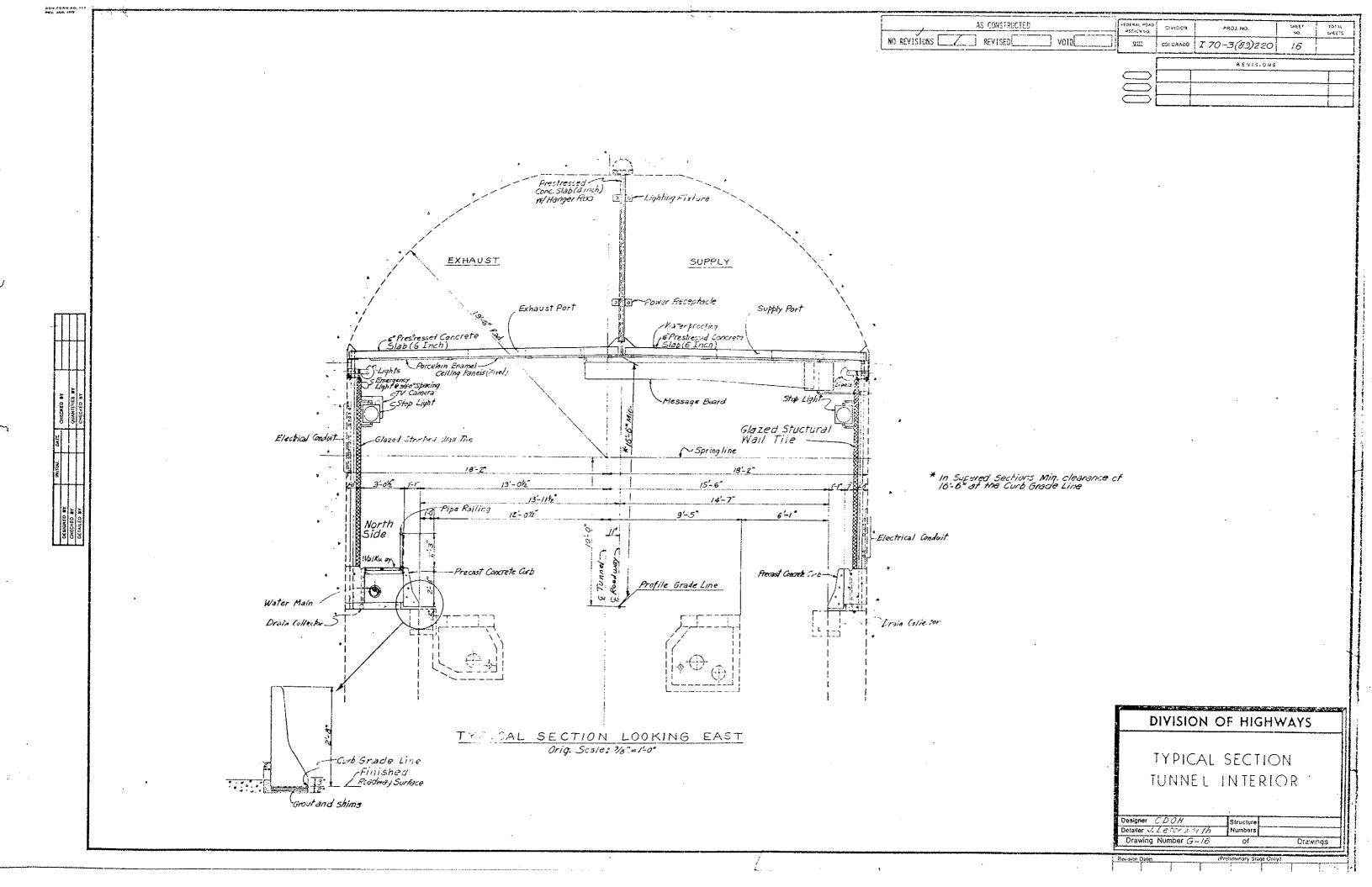


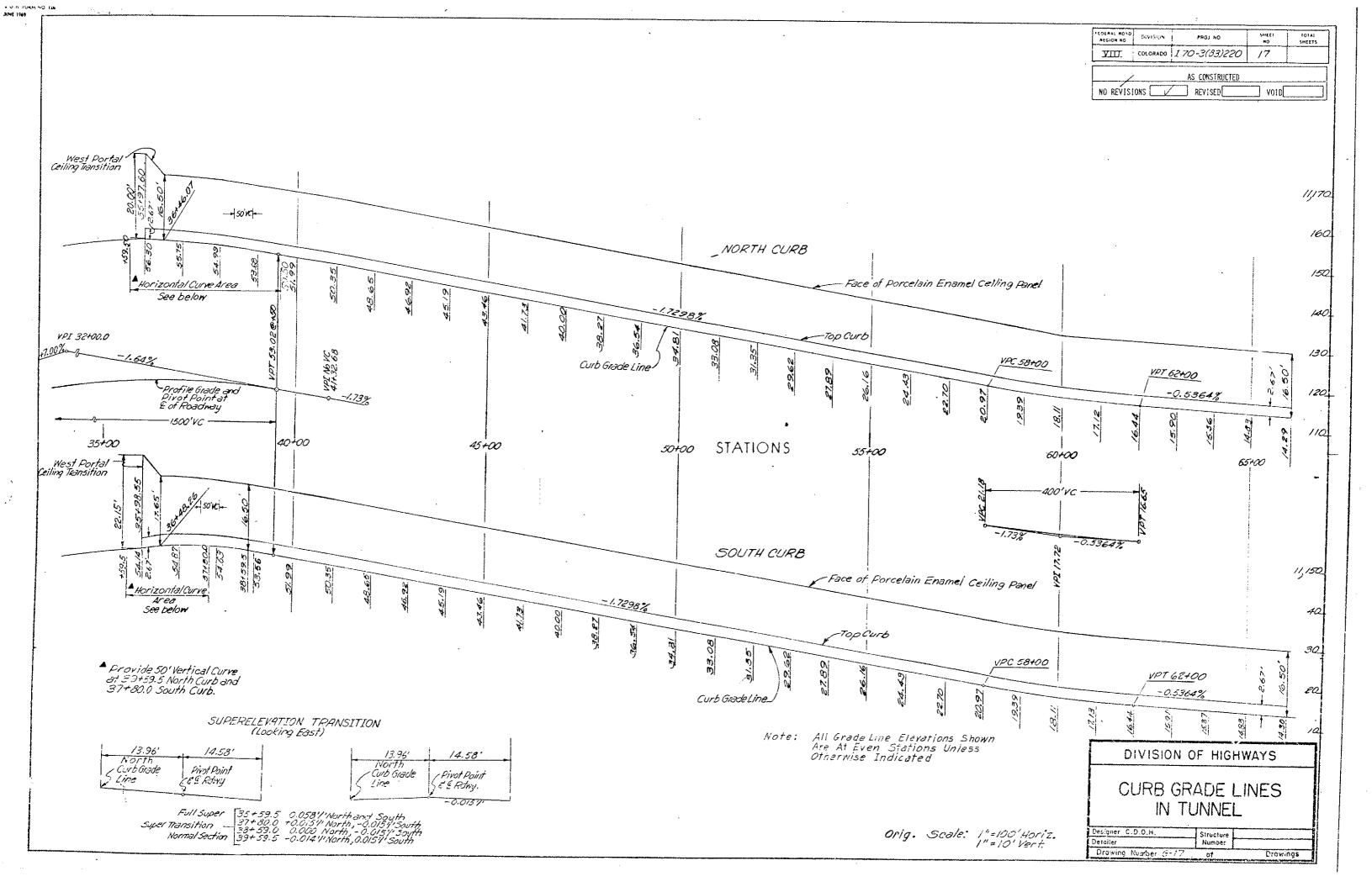


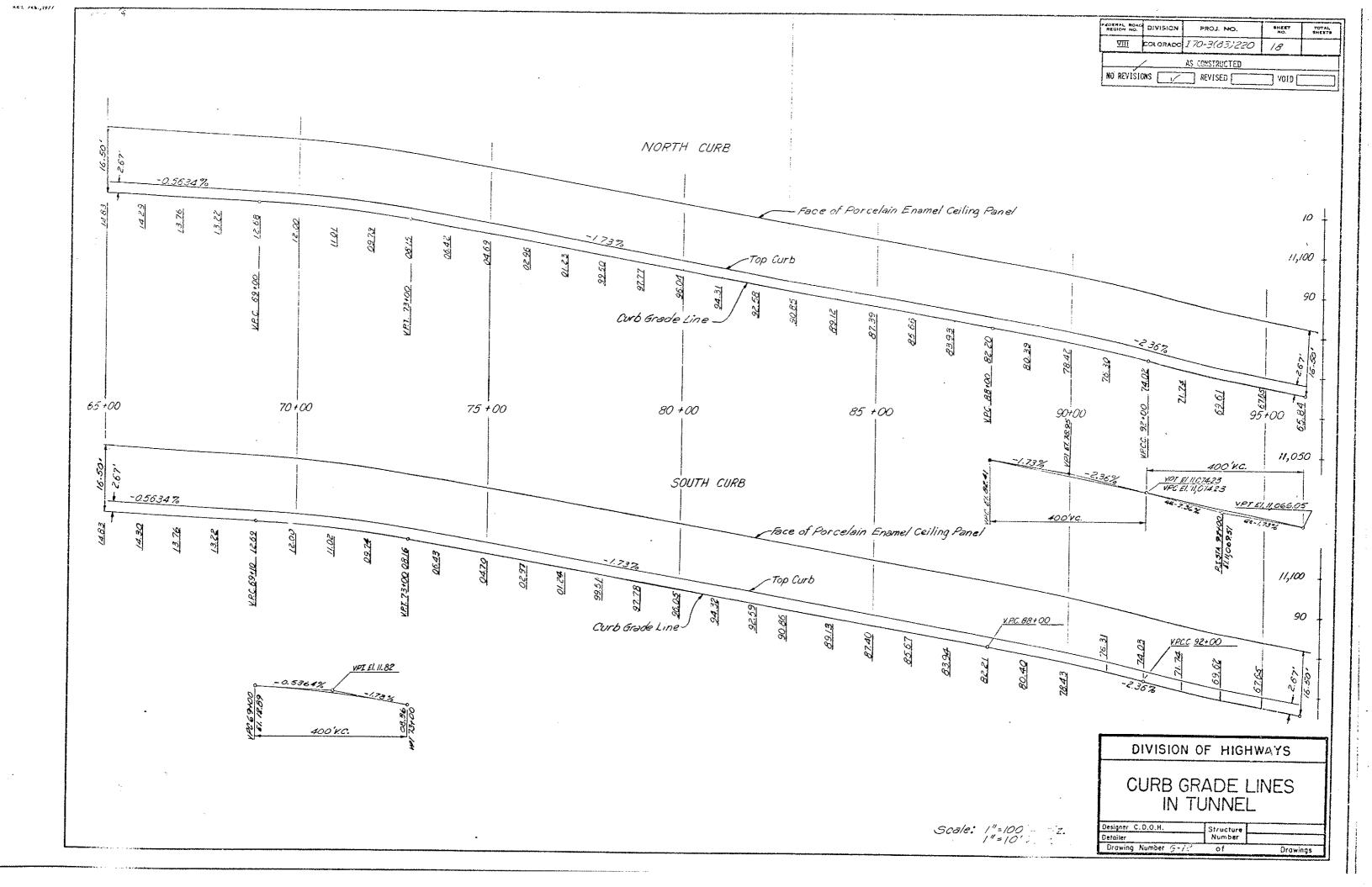


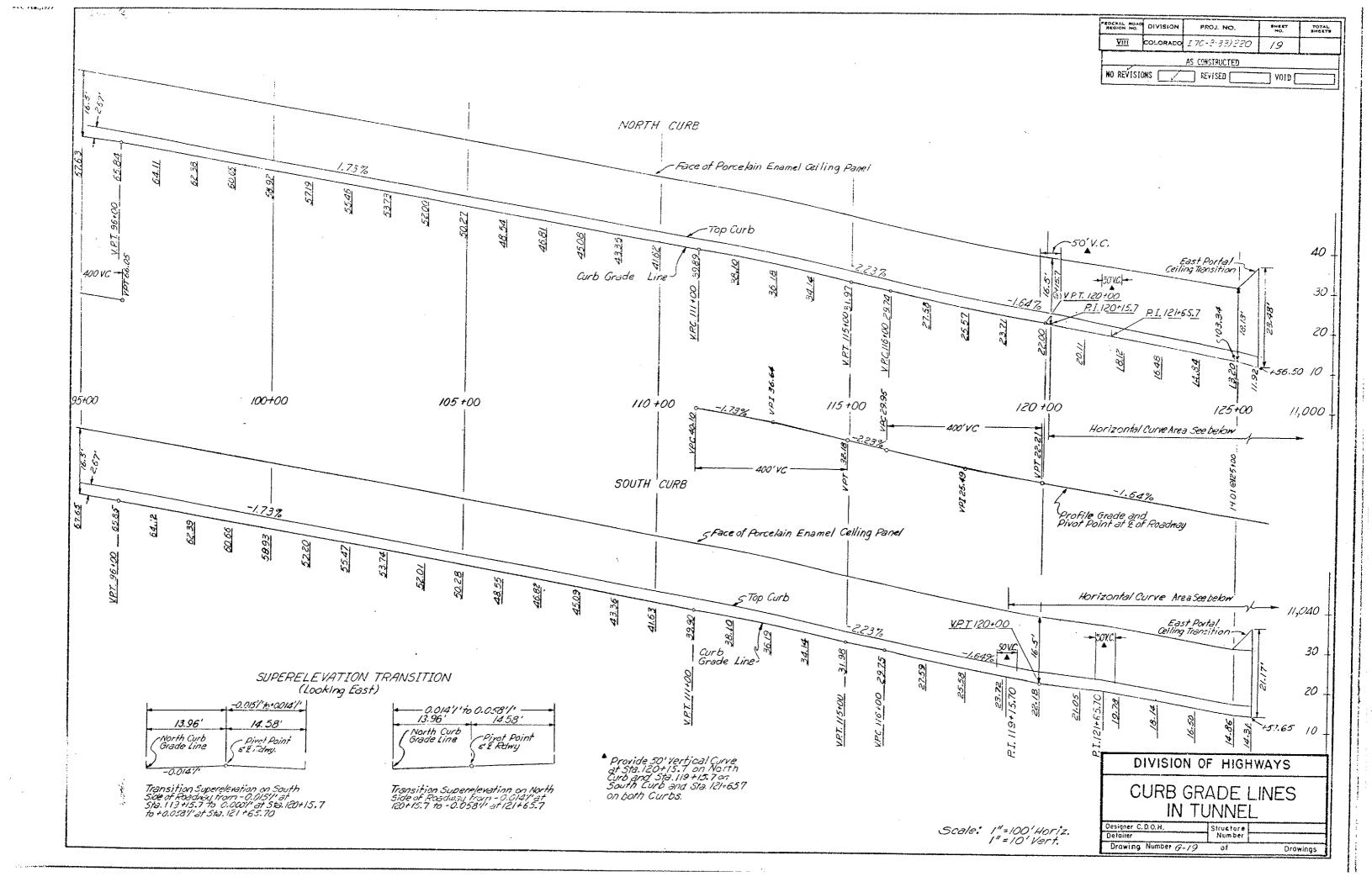




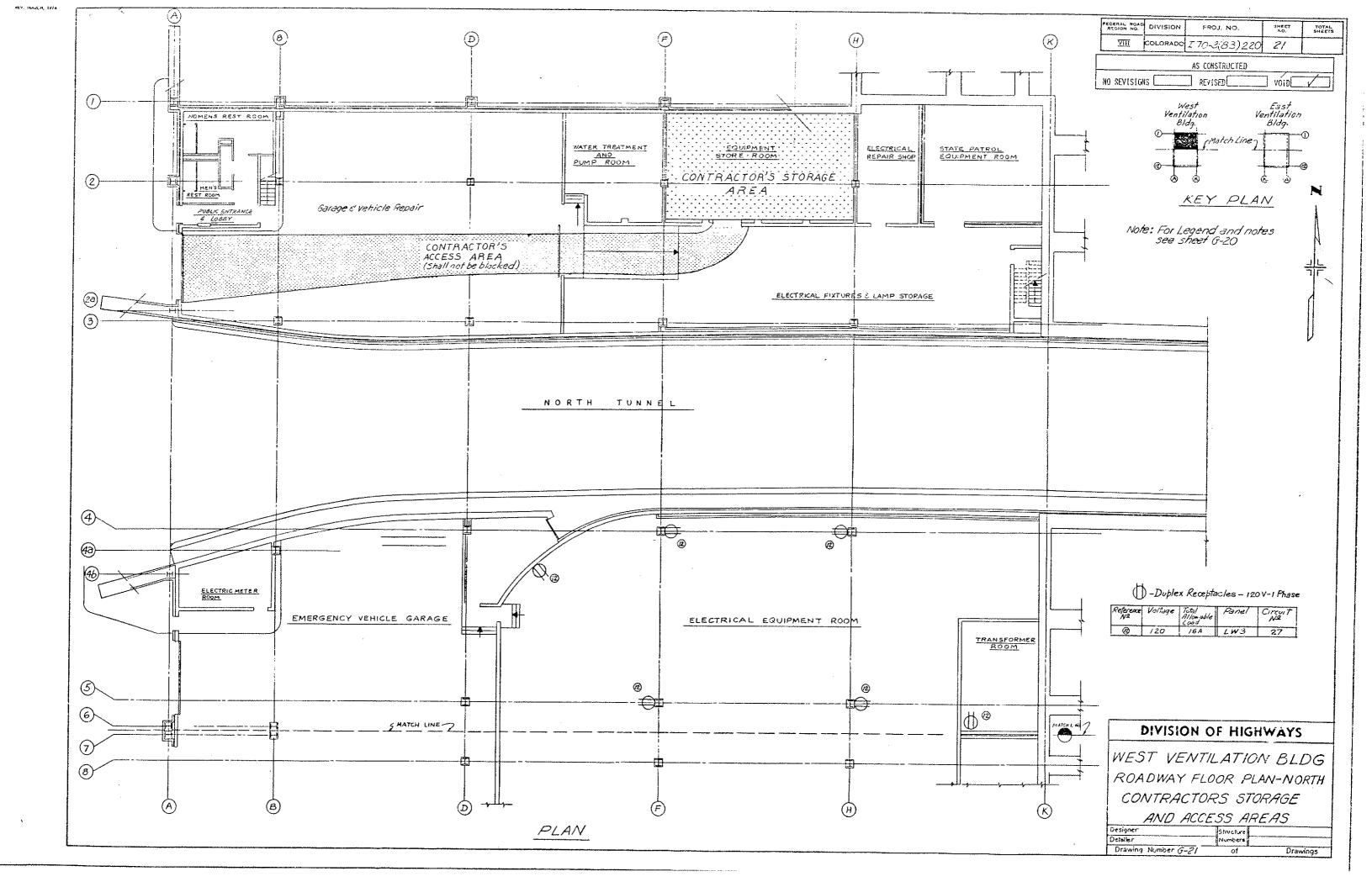


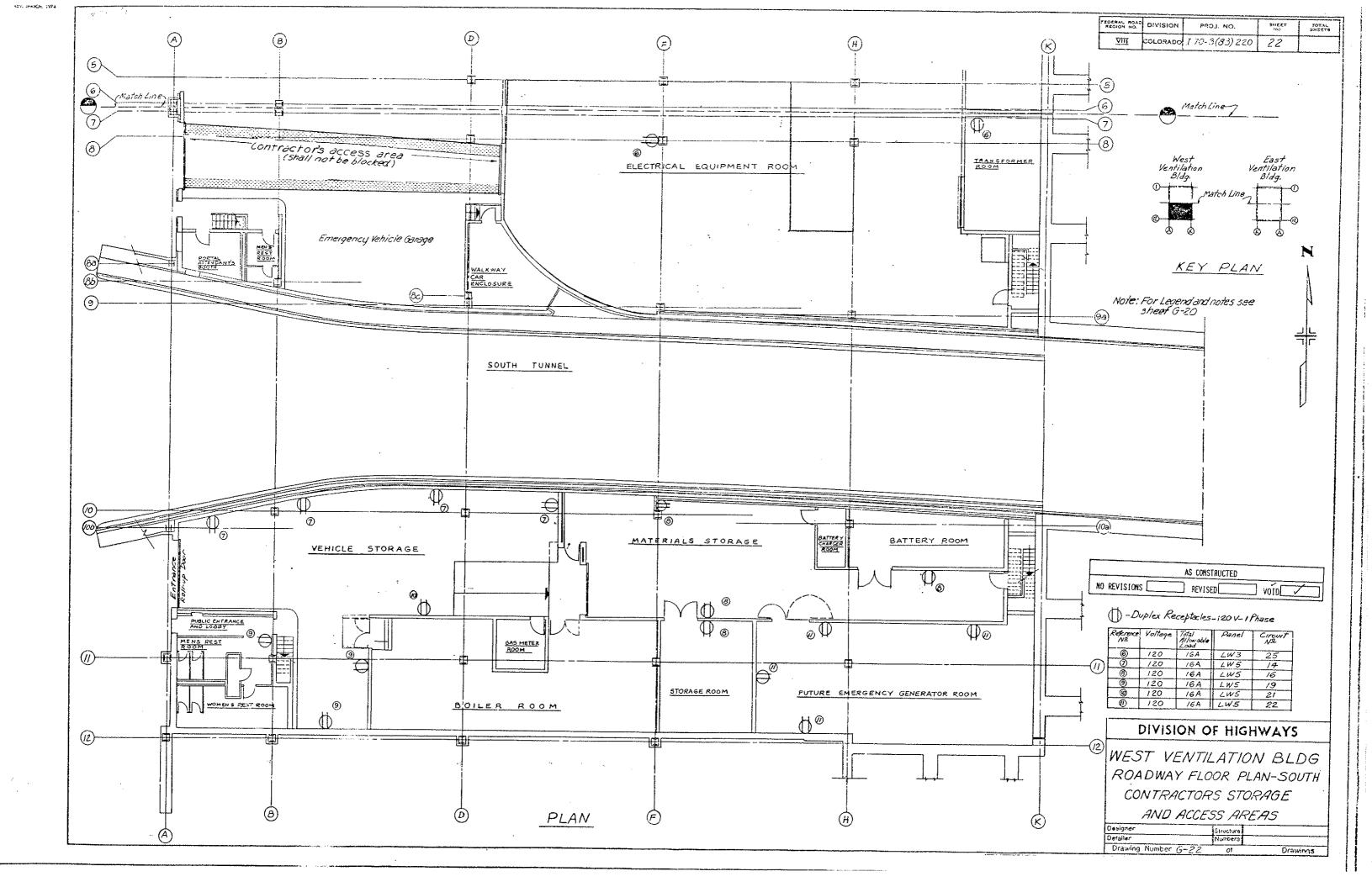


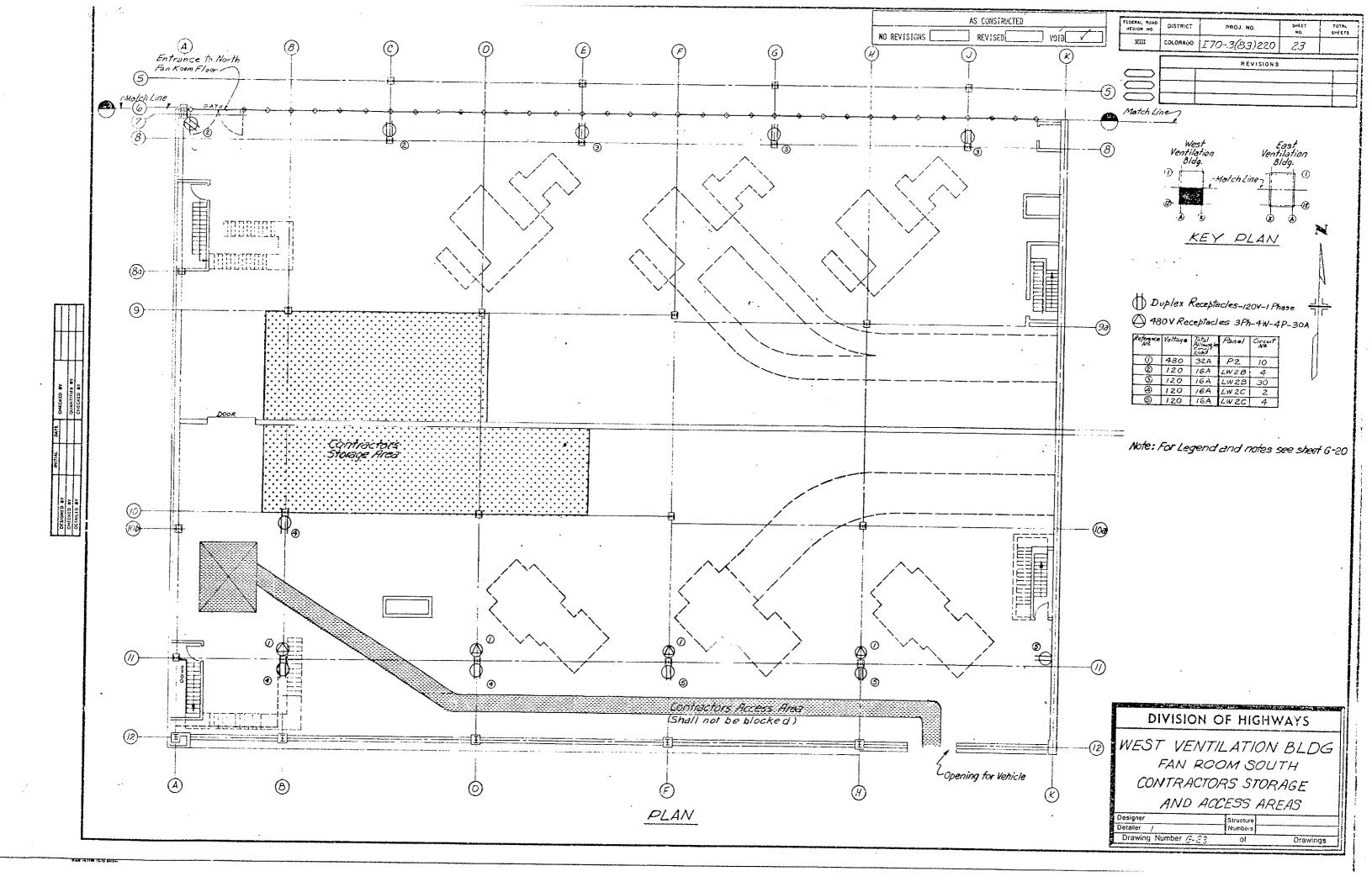


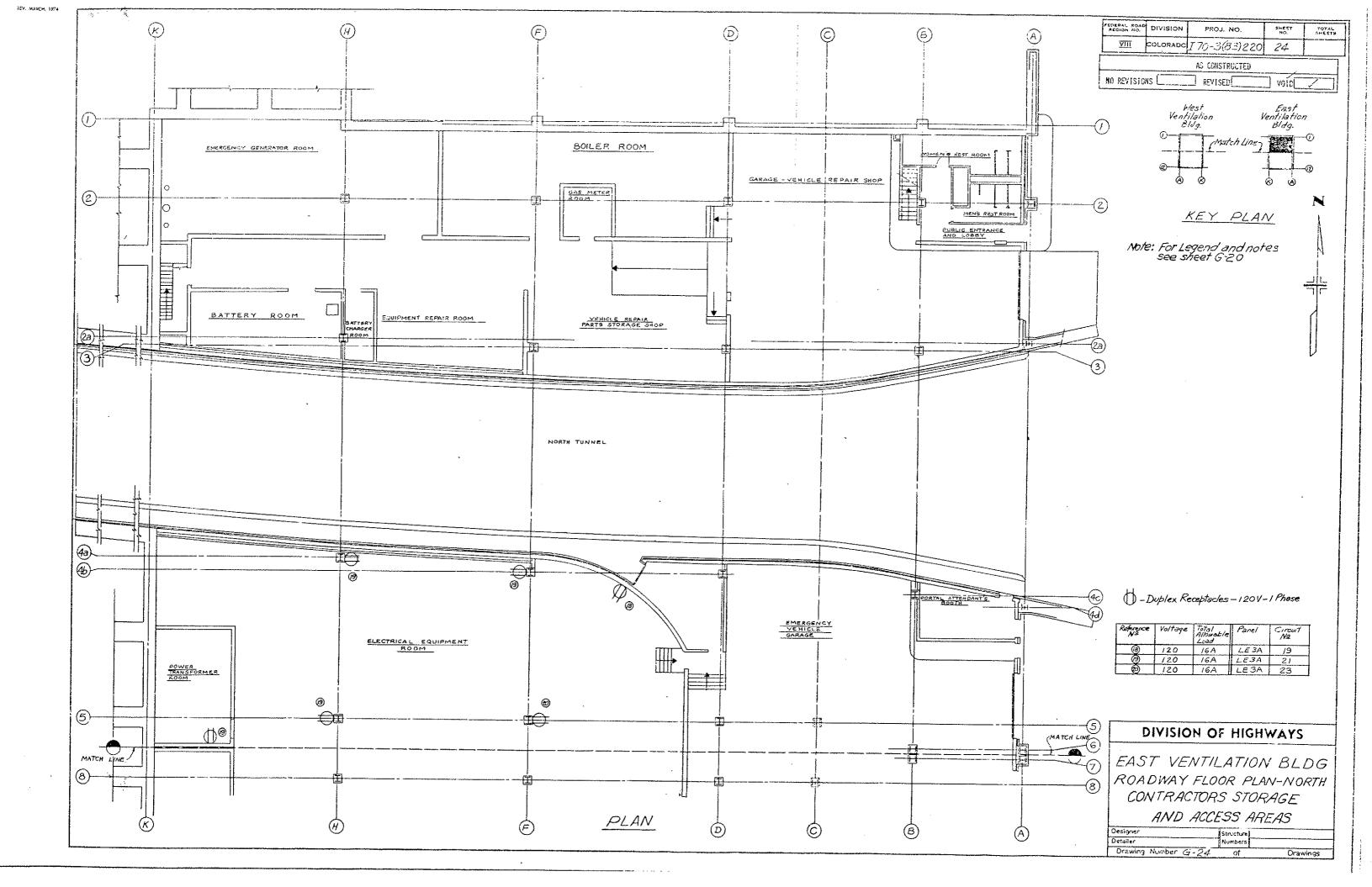


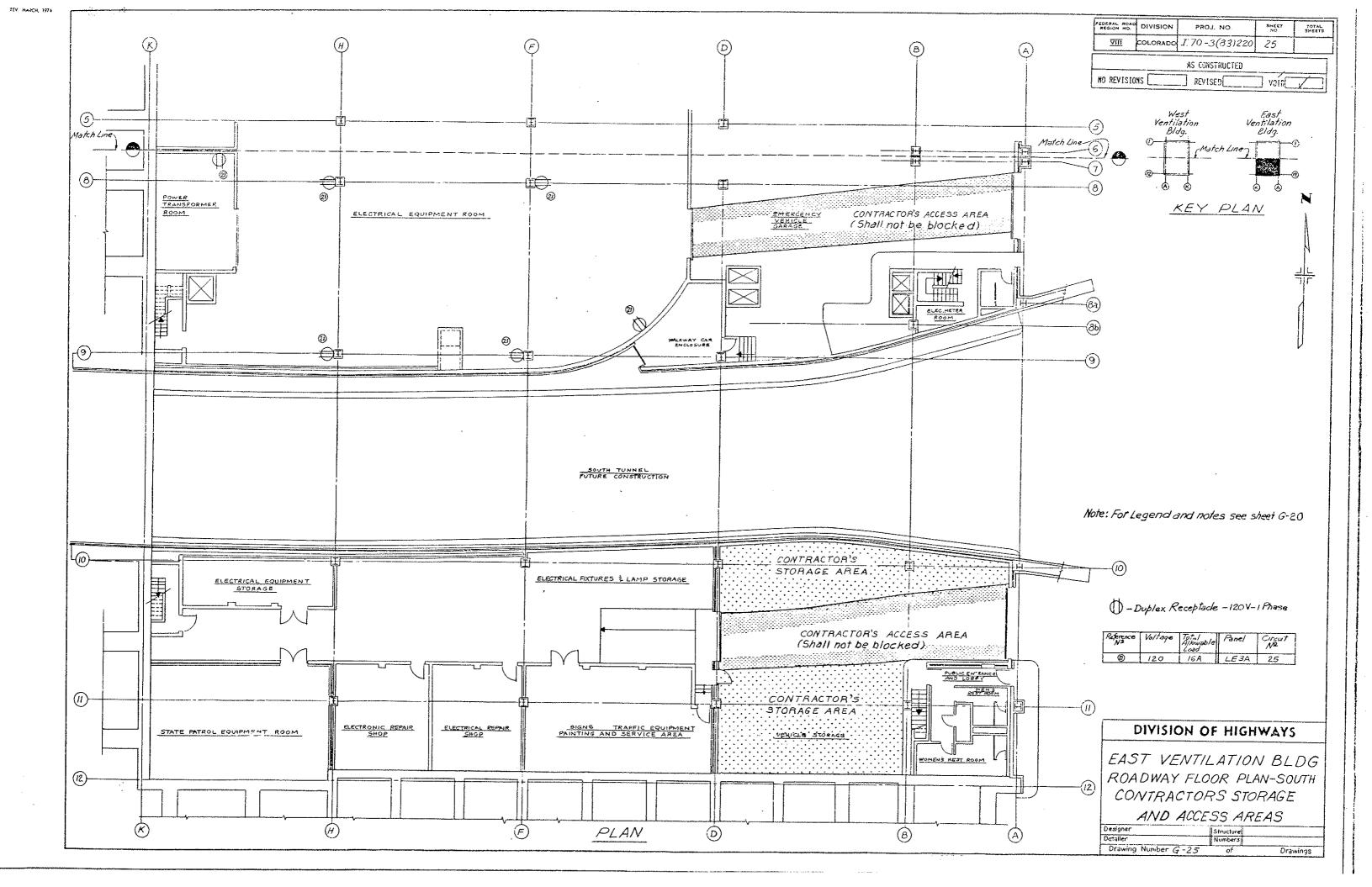
WEST PORTAL AREA	AS CONSTRUCTED    FROMMAL ROAD   DIVISION   PROJ. NO.   SHERT   FOTAL NO.   SHERTS
NOTES  1. MATERIAL SHALL BE STORED SO THAT IT DOES NOT INTERFERE WITH THE NORTH TUNNEL MAINTENANCE OPERATIONS.  2. MATERIAL STORED WITHIN THE VENTILATION BUILDINGS SHALL BE LIMITED TO THE STORAGE OF ELECTRICAL AND MECHANICAL MATERIAL AND EQUIPMENT.  3. THE CONTRACTOR IS ADVISED THAT THE FOLLOWING DESIGN LIVE LOADS ARE	LEGEND  -Contractors Access Area -Contractors Storage Area -Contractors Parking Area
THE MAXIMUM THAT WILL BE PERMITTED AND HE SHALL LIMIT HIS OPERATIONS  ACCORDINGLY:  (A) FAM ROOM FLOORS  DESIGN LIVE LOAD * 5,000 LBS. + 20% FOR IMPACT CONCENTRATED LOAD AT THE CENTER OF THE SLAB SPAN AT 3 FT. CENTER'S ALONG THE CENTERLINE OF THE SEAM; AND 300 LBS./SQ. FT. UNIFORMALLY DISTRIBUTED LOAD.  (B) CONTROL ROOM CEILINGS  DESIGN LIVE LOAD * 50 LB./SQ. FT. UNIFORMALLY DISTRIBUTED LIVE LOAD.  4. THE CONTRACTOR'S ACCESS AREA IN THE VENTILATION BUILDINGS SHALL BE MAINTAINED FREE OF STORED MATERIALS AND EQUIPMENT OR ANY OTHER BLOCKABE.	straight creek
SNOW AREA	Foundation of Baich Plant (Buried)
A Public Essay	Field Facility  Value Physics  Value
(Not for Common portal Attendant Booth (New)	Gate STEINN  Gate
EQUA. P.O.T. 419+7266 BK. = 74" conduit for L.P. gas  P.O.T. 26+23.70 An. W.B. (37'Lt) = filling station hils the	Contractors Parking Area  Noment Bidg. (New)  - 1/4 conduit crosses the loop road  at 3+45. It is cased in 3 conduit corner of parking lot \$ 3' deep.
·	in the center and 43 deep on the cast wall of the gas meter WEST PORTAL AREA PARKING  G-20

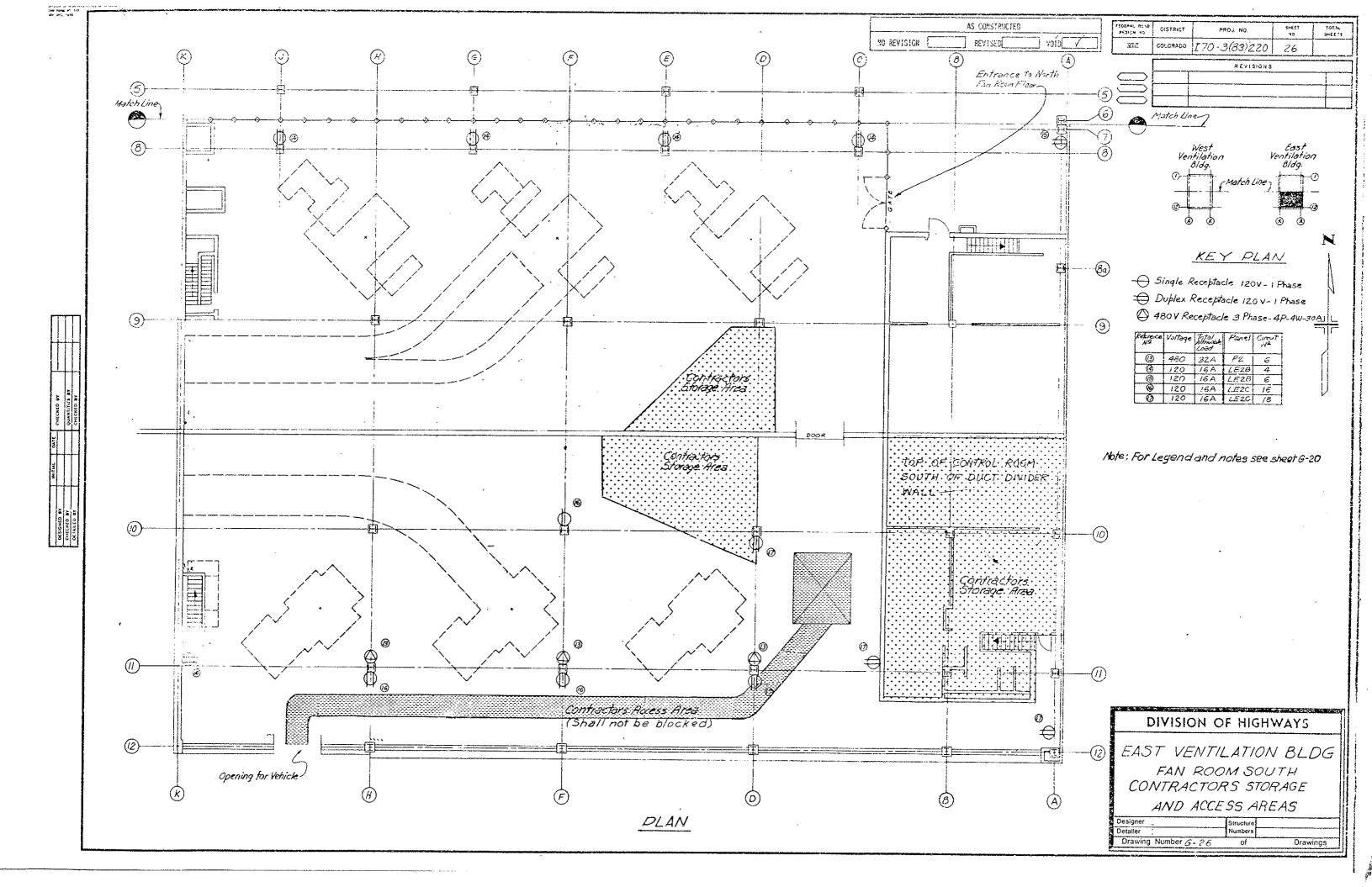


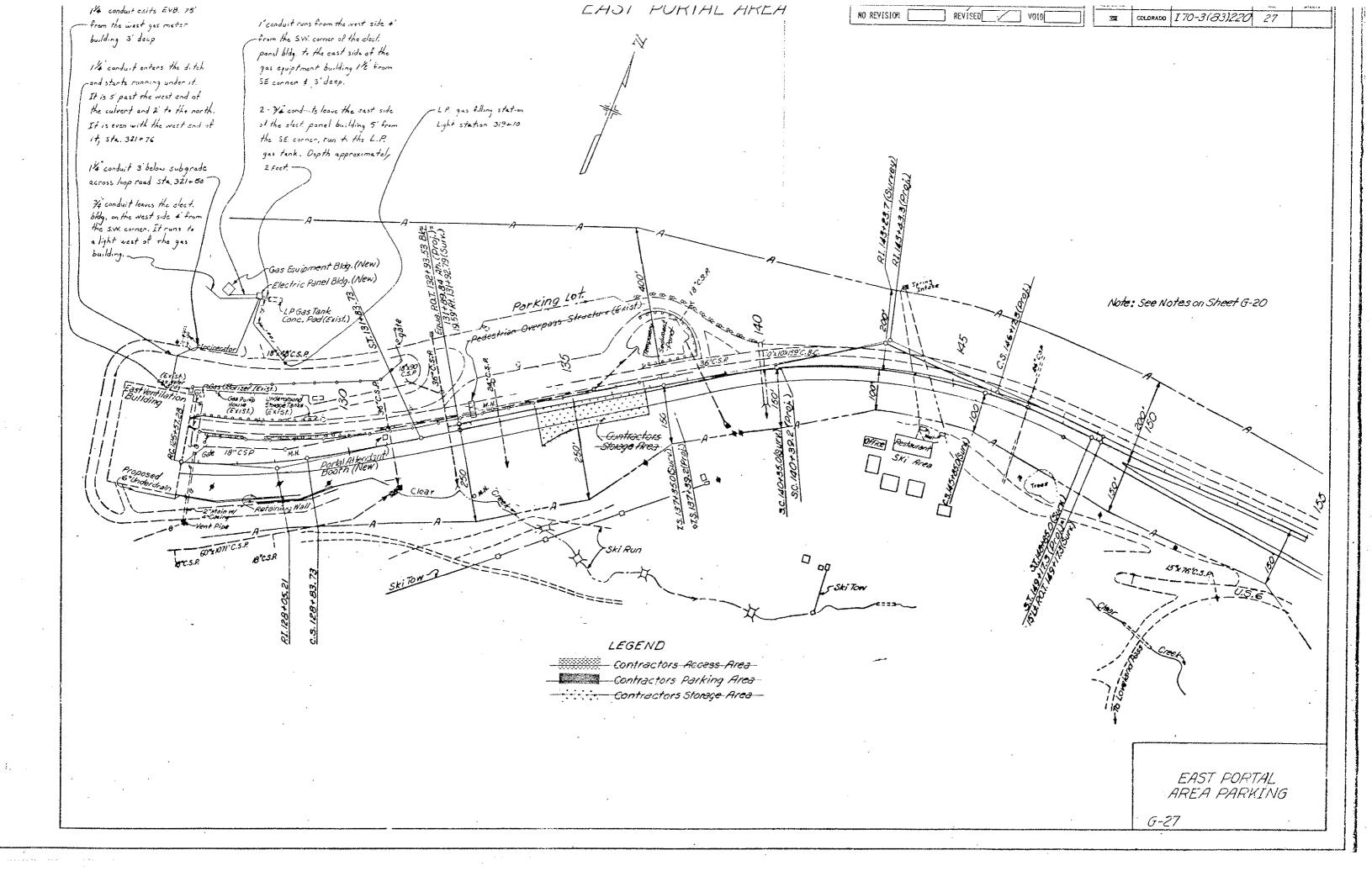


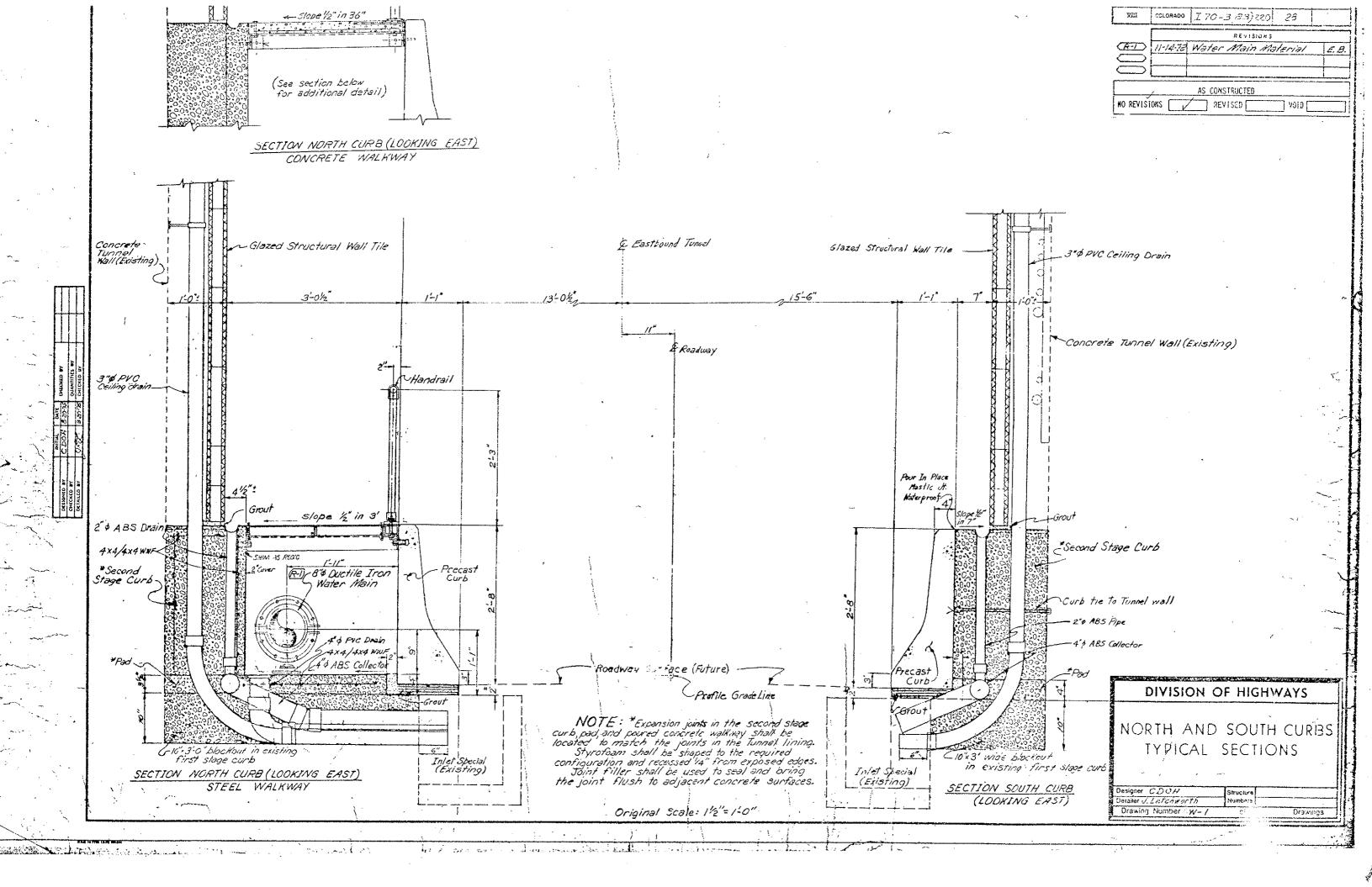


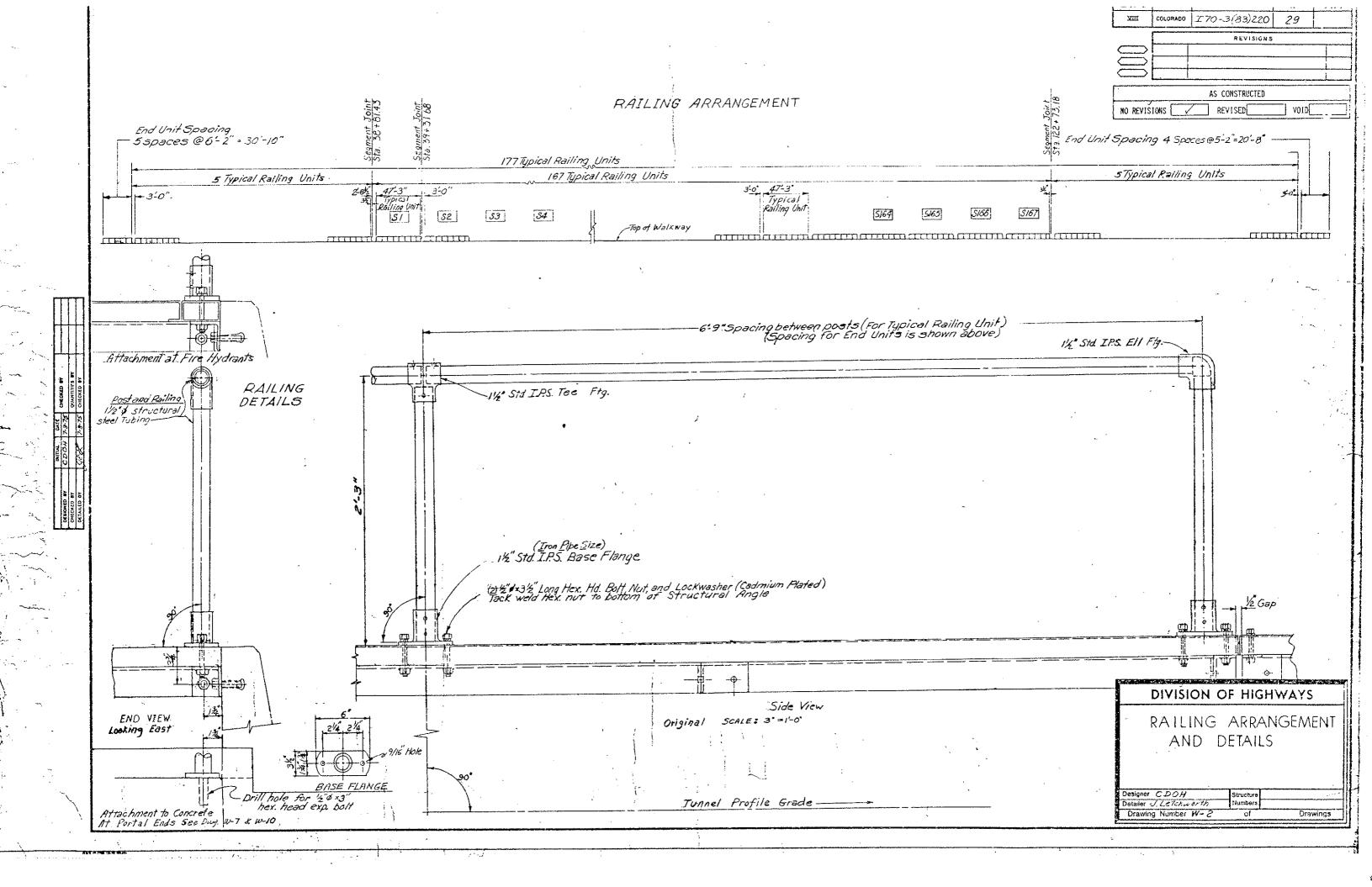


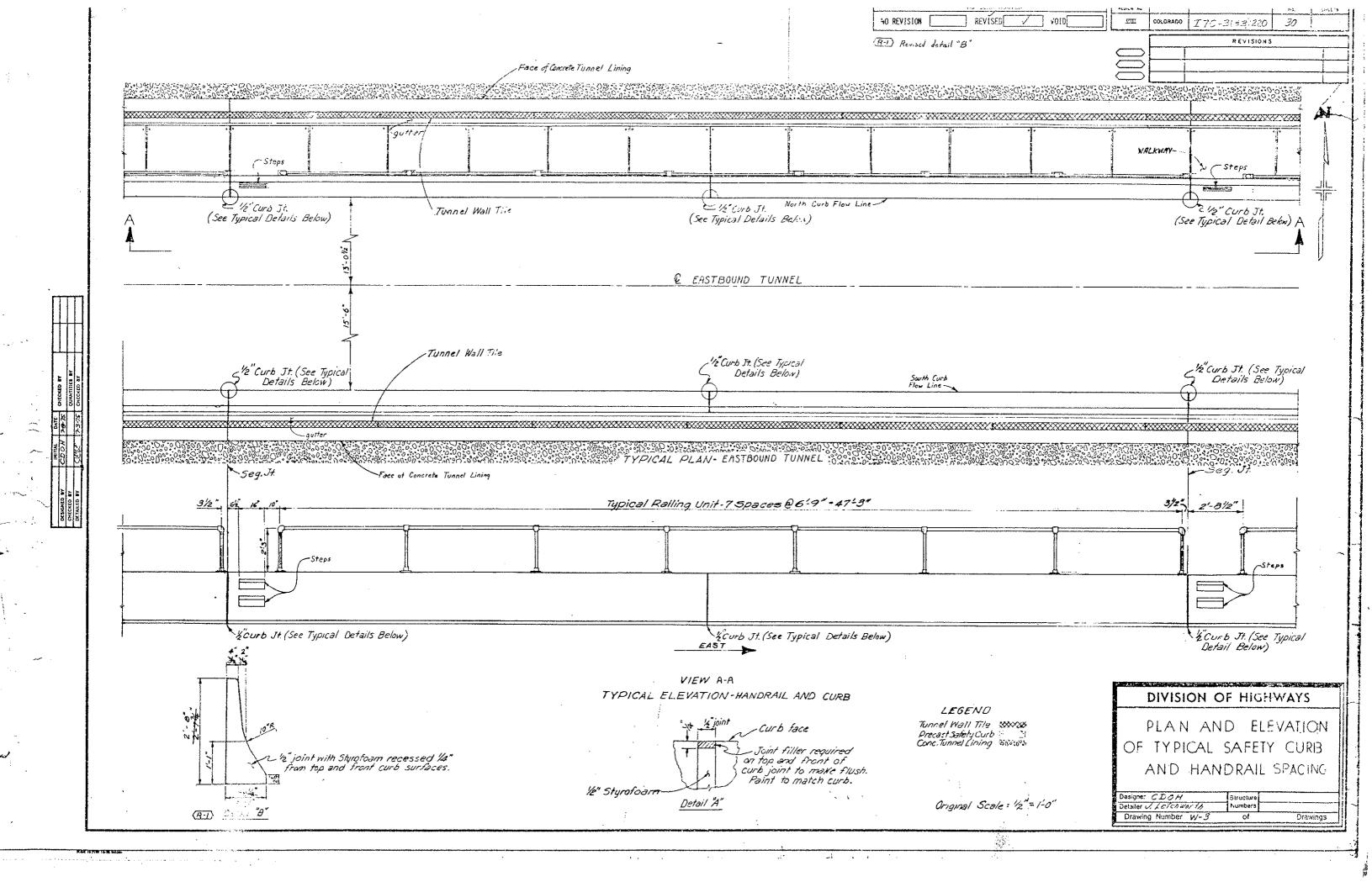


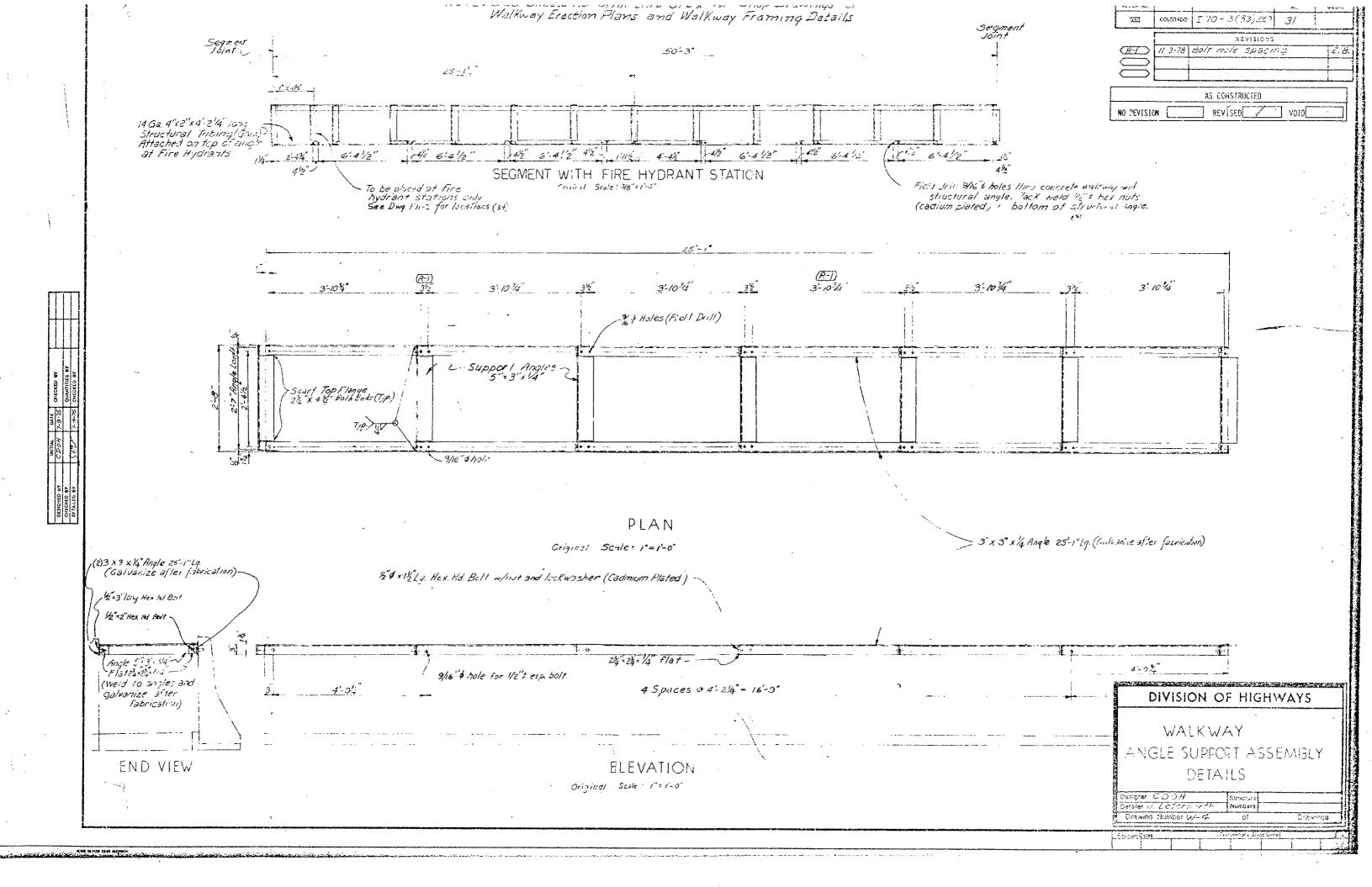


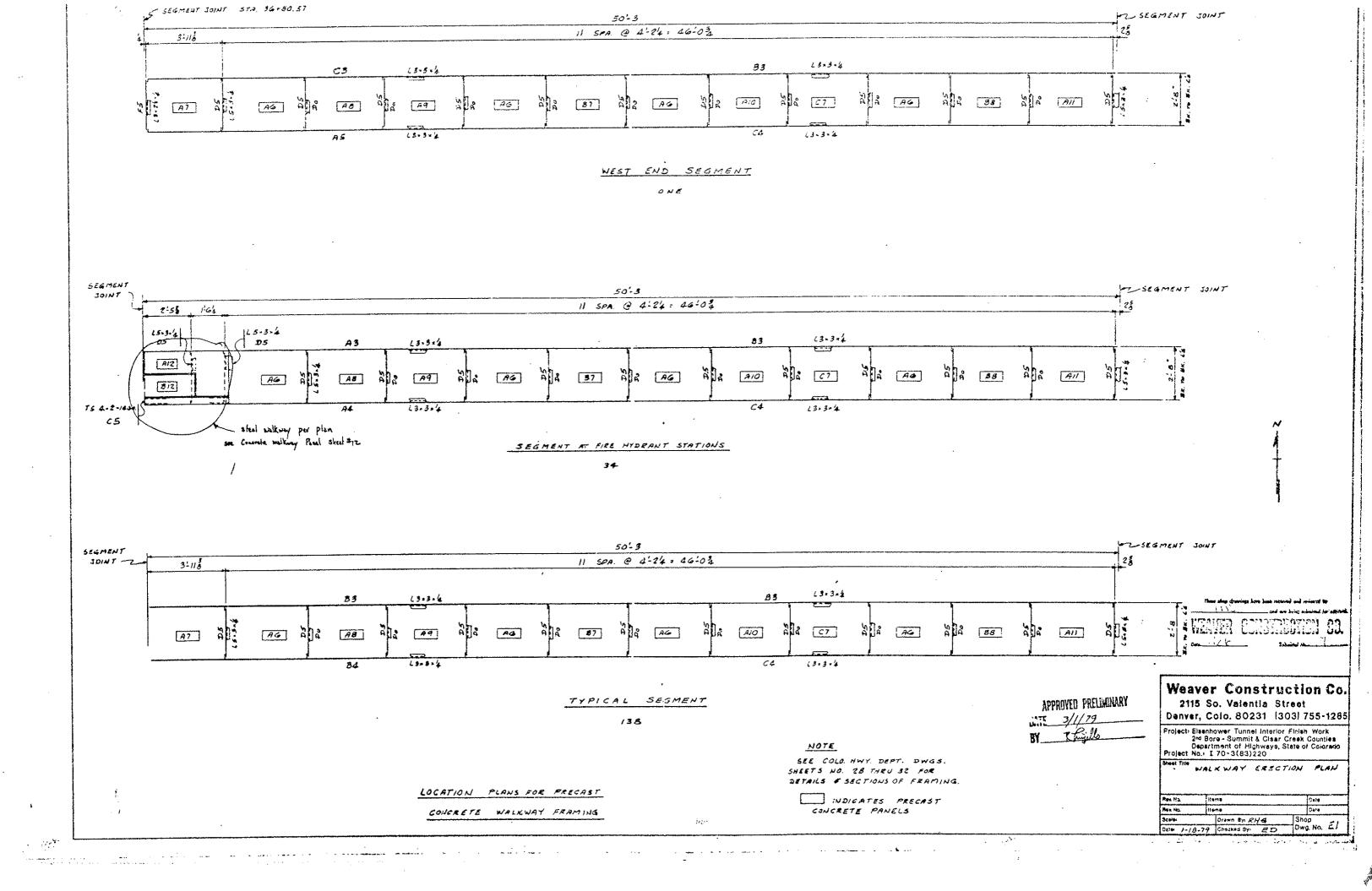






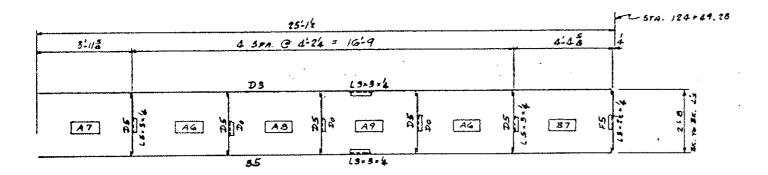






SEGMENT AT PRESSURE REDUCING STATION

ONE



EAST END SEGMENT

ONE

.

LOCATION PLANS FOR PRECAST

CONCRETE WALKWAY FRAMING

NOTE

SEE COLO. HWY. DEFT. DWGS.
SHEETS NO. 28 THRU 32 FOR
DETAIL & SECTIONS OF FRAMING

INDICATS PRECAST

WEAVER CONSTRUCTION OR

Weaver Consequation Co. 2115 So. Valentia Sweet

2115 So. Valentia Sivest

Denver, Colo. 80231 13031 755-1285

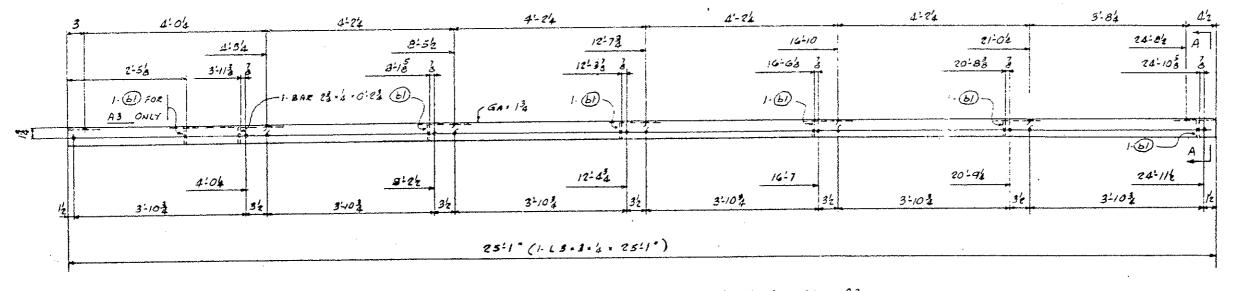
Project: Elsenhower Tunne! In: orior Finish Work 2-4 Bore - Summit & Clear Creek Counties Department of Highways, State of Coloredo Project No.: I 70-3(83)220

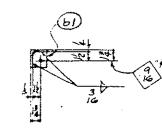
APPROVED PREISONARY

DATE 3/1/22

Sheet Title WALKWAY ERECTION PLAN

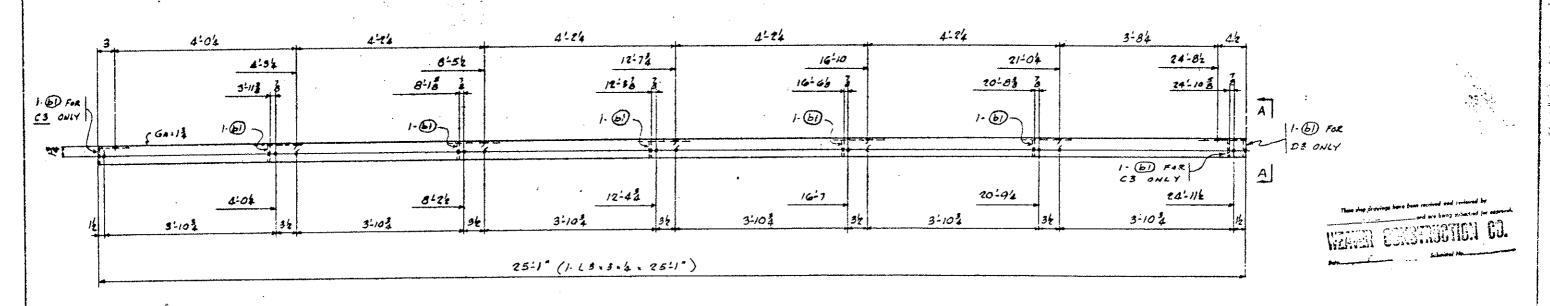
20





SECT. A.A

34 WALKWAY SUPPORT ANGLES - A3
315 DO - 83



ONE NALKWAY SUPPORT ANGLE - C3
ONE DO - D3

The state of the s

APPROVED PRELIMINARY

DATE 3/1/29

BY R Fiels

FINISH - GALVANIZE
HOLES - 11 ONLESS NOTED

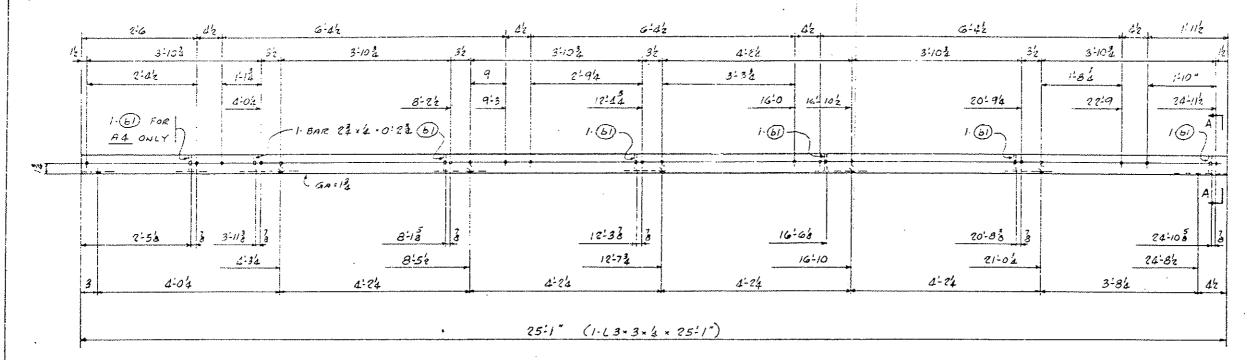
### Weaver Construction Co. 2115 So. Valentle Street

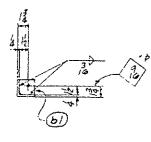
2115 So. Valentia Street
Denver, Colo. 80231 | 13031 755-1285

Project Elsenhower Tunnel Interior Finish Work
2M Bore - Summit & Clear Creek Counties
Department of Highways, State of Colorado
Project No. I 70-3(83)220

SHE THE WALKWAY FRAMILIES

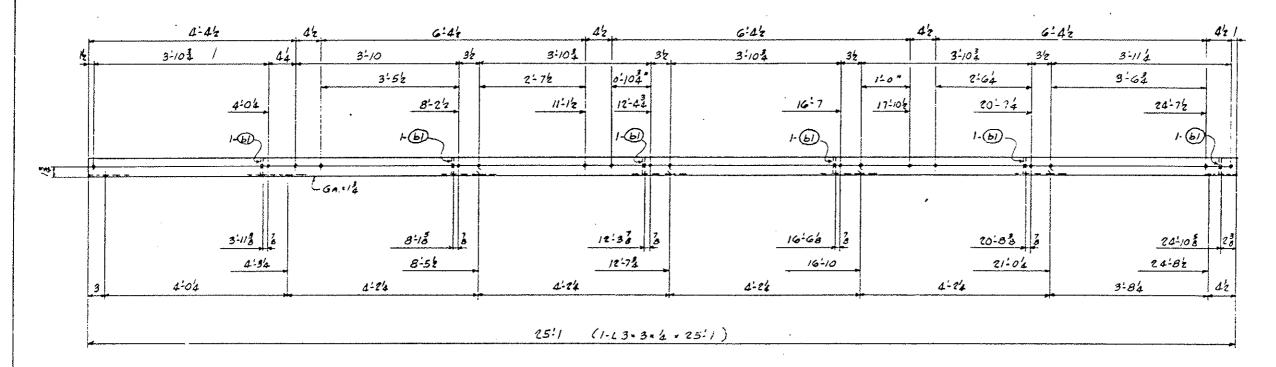
Plant No.	1:0	#*4 .		Date	
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One: 1-18.	77	Checked Syl ED	Dw	g. No.	ا "
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SECT. A.A

34 WALKWAY SUPPORT ANGLES- A4
139 Do - 84

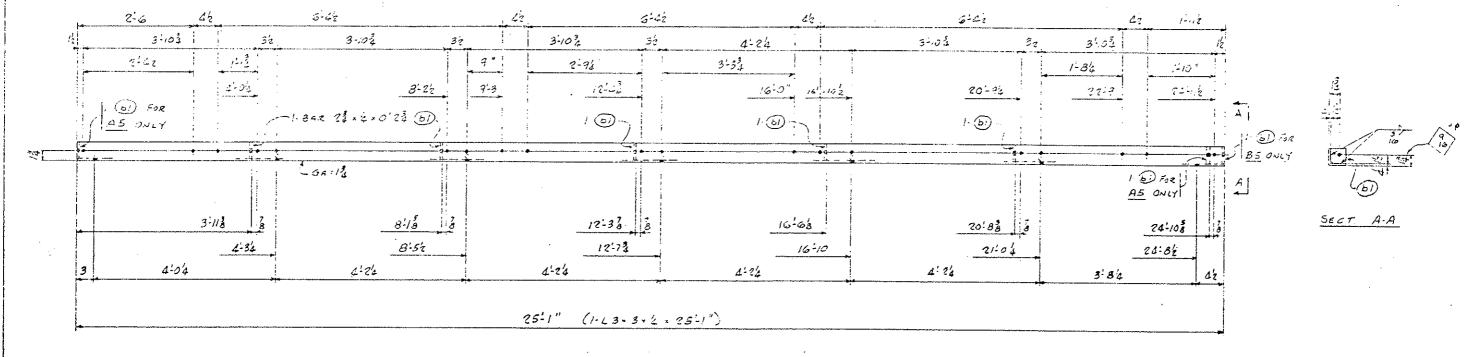


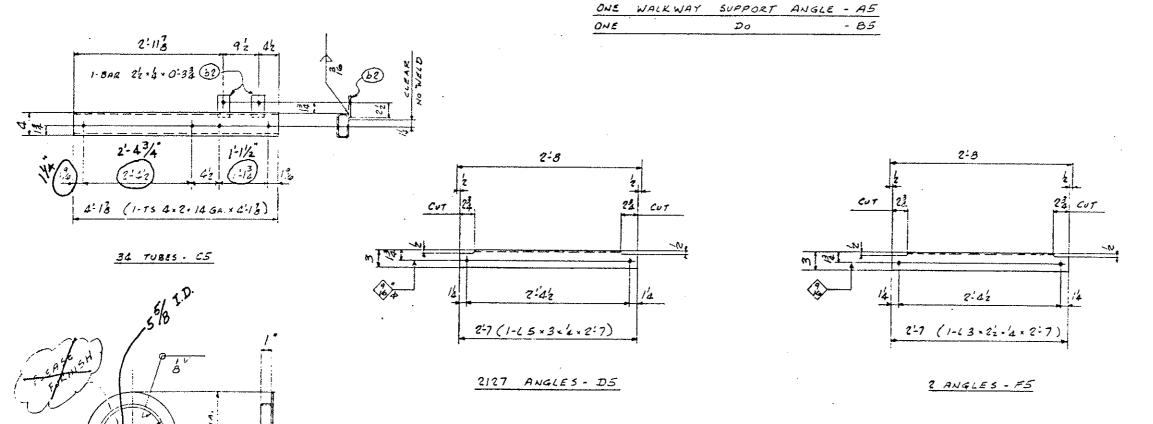
174 WALK WAY SUPPORT ANGLES - C4

HOLES "" UNLESS NOTED

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1-R 13GA x 0:8" \$

FRICTION CAPS. HS

FINISH - GALVANIZE HOLES - "" UNLESS NOTED

### FIELD BOLTS FOR STEEL ONLY

HEY, HD, MACH, BOLTS & 0'12

2500 - 1/2 - 13 UNC ZING PLATED

HEX, HD, CAP SCREWS & 0'Z

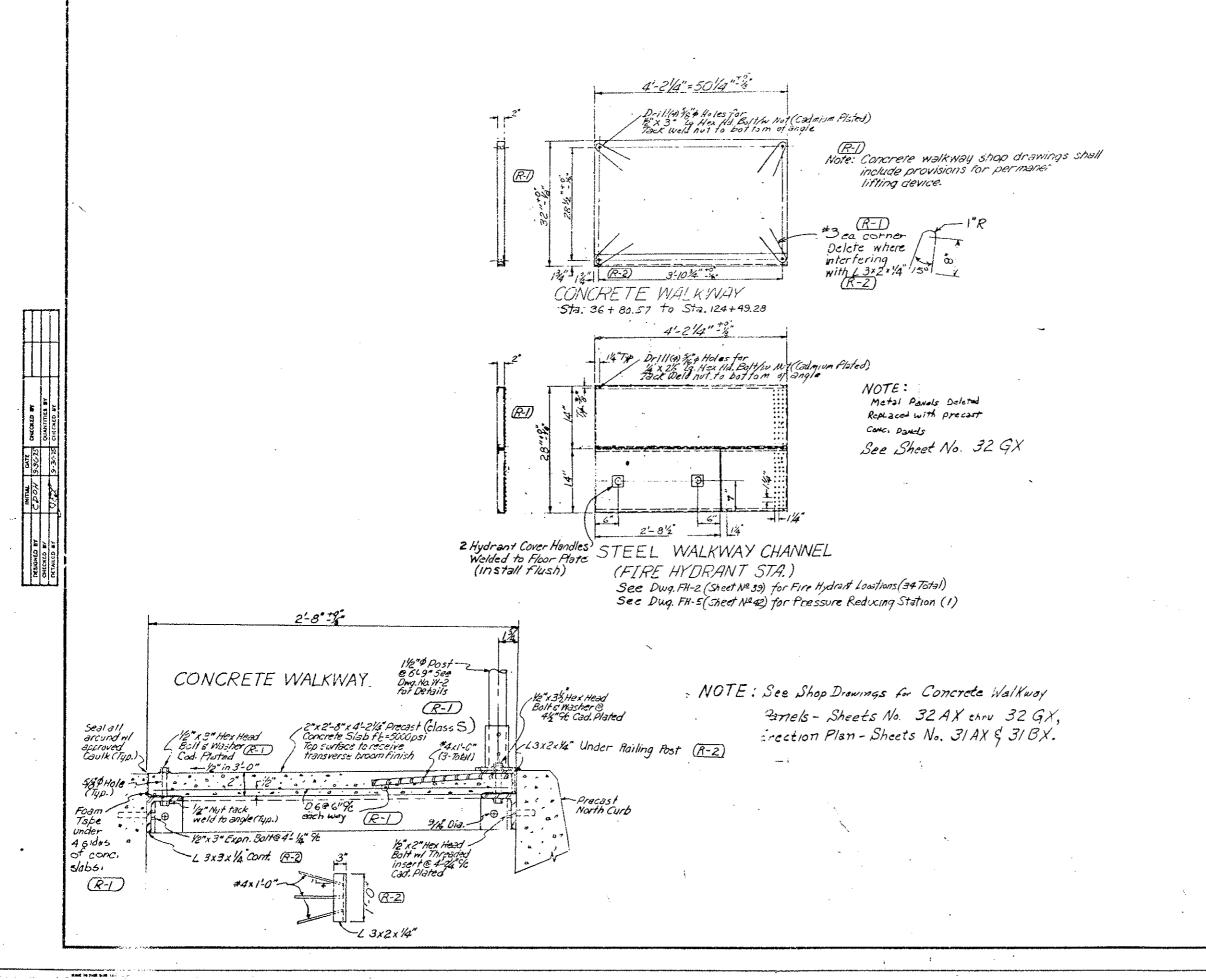
2500 - 2" ZINC PLATED KWIK

4350 - 2 & ZING PLATED

BOLT EXPAN. ANCHORS & 0'-34

APPROVED PRELIMINARY
DATE 3/1/79
BY Rick Toughts

1700	yor. Con	istruc	tion C	Ò.
	5 So. Vale			-
	r, Colo. 80			285
	🗠 Bore - Summi			
Project N	ecartment of H o. 170-3(83) WALK WAY	3220		co 
Project N	6.+ I 70-3(83)	3220		co.
Project N	6.+ I 70-3(83)	3220		co.
Project N	0. 1 70-3(53) WALK WAY	3220		<b>CO</b>
Project N Shell the	0 : I 70-3(33) WALK WAY	1220 FRAMINA	200	<b>60</b>



PSOCRAL ROAD HEGIOR NO.	DIVISION	PROJ. NO.	591437 NO.	TOTAL MEETS
አመ	COLORACO	I 70-3(83)220	32	
		REVISIONS		
(R:1)	10/17/28	Rau dime, slabren	of, conc	1
		class, oilded notes.		НЙН
(A-5)	11/3/78	Slab dims, Angle	= 57z=	يم نير
		AS CONSTRUCTED		

REVISED[

Notes:

The Contractor shall field Cut(samed & or punched not burned) 6"diameter holes in
the concrete walkway channel directly over the
Stems of gare valves in the water main
System. The holes shall be smoothfinished and large enough to accommodate
the wrench that operates the valve.
Frovide friction caps on all valve of wings.

Bevel Edge 45° [13 Ga. Oalv. Steel

NO REVISIONS

Friction Cap (Typical)

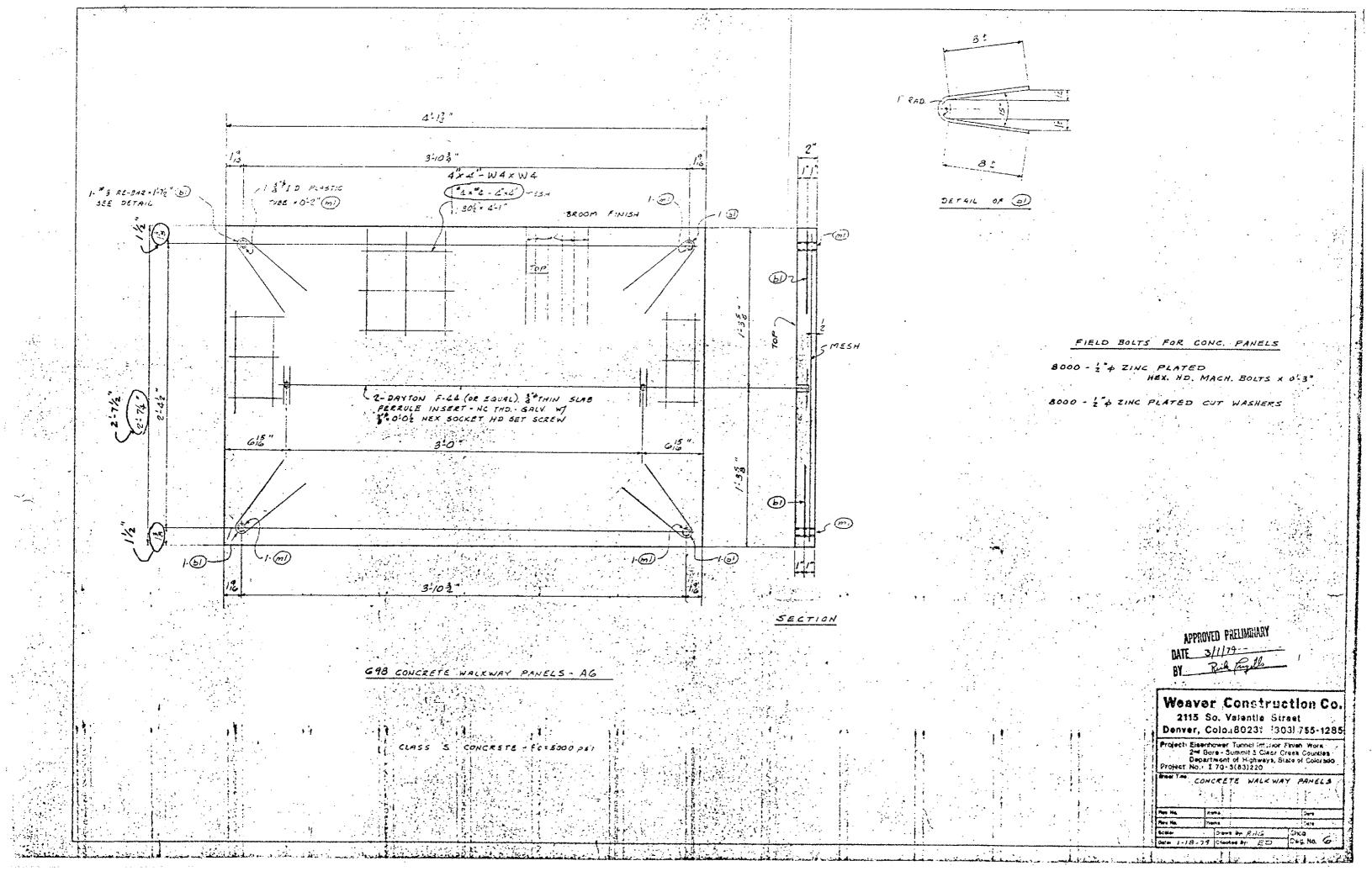
The 6" hales were cut in the face of the Safety curbs at Sta 61+892 and 87+012

# DIVISION OF HIGHWAYS

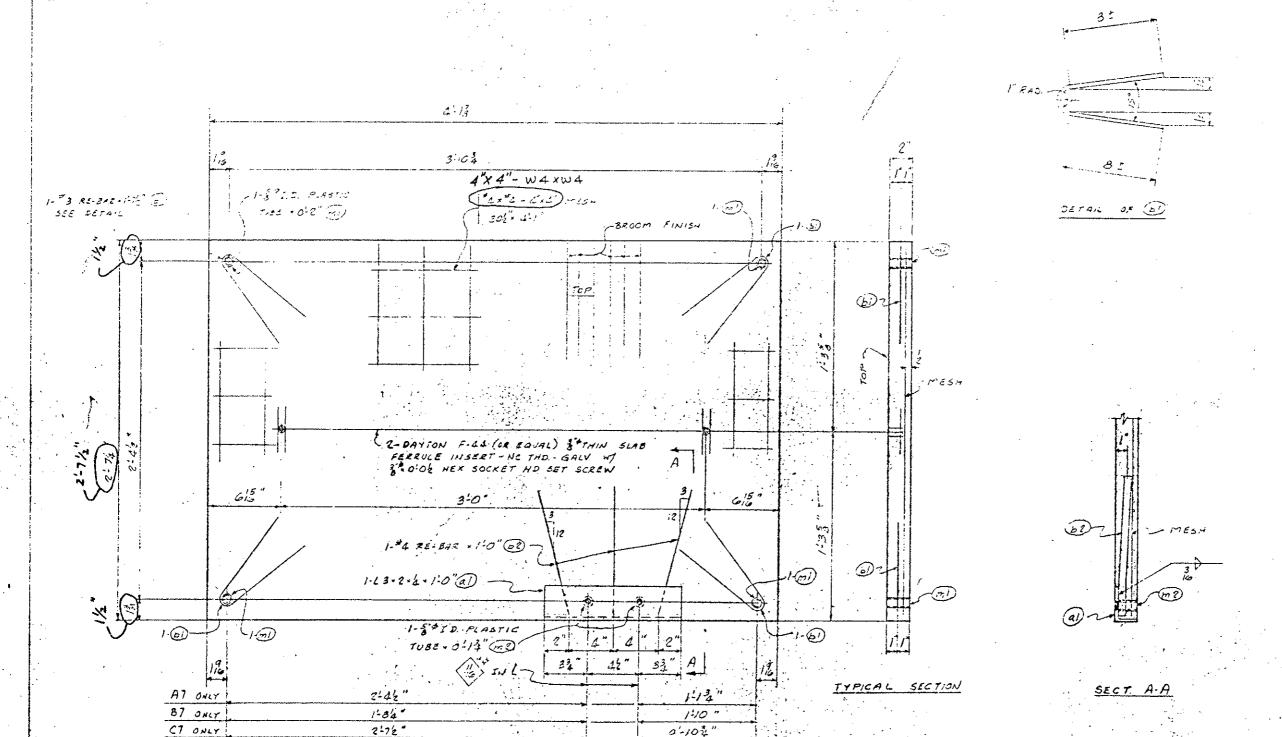
WALKWAY DETAILS

Designer CDOH	Structure	
Detailer J. Letchworth	Numbers	
Drawing Number Wーラ	of	Drawing

Assission Dates (Preliminary Stoge Only)







141	CONCRETE.	WALKWEY	PANELS	- A7
175		Do >		- 37
/74 *		⊅₀`.		- C7

CLASS S. , CONCRETS - FC25000 PE)

APPROVED PRELIMINARY
DATE 3/1/79

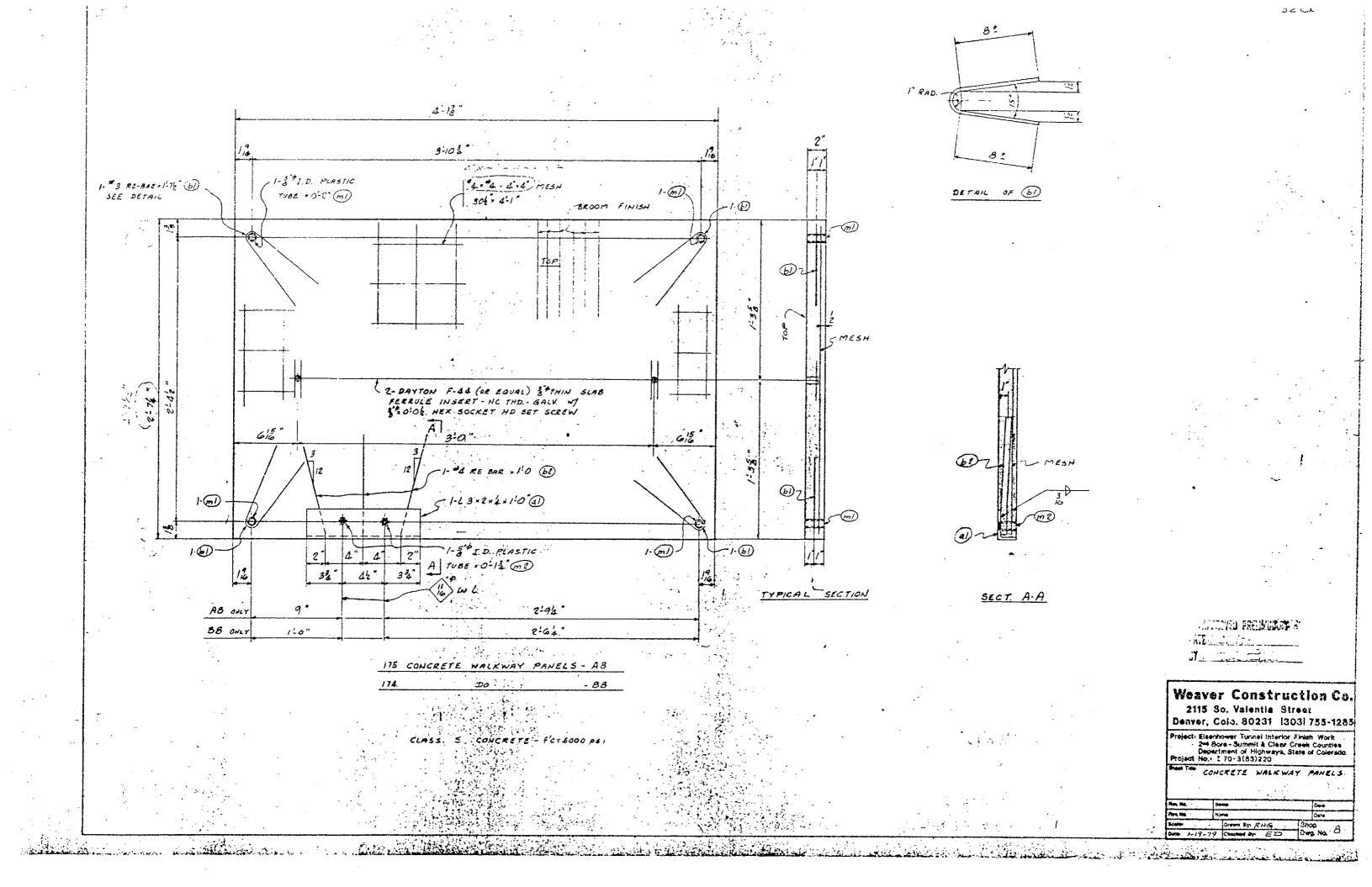
Weaver Construction Co.
2115 So. Valentis Streat

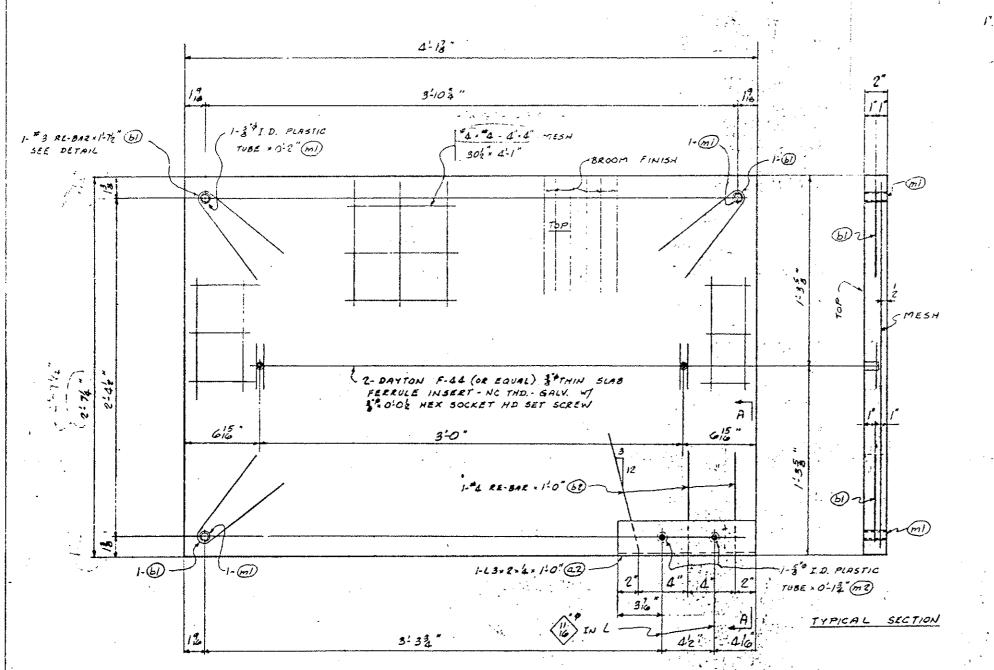
Denver, Colo. 80231 13031 755-1235

Project: Eleanhower Tunnel Interior Finish Work 2™ Bore-Summit & Clear Creek Counties Department of Highways, State of Golorado Project No.: 1.70-3(83)220

PORTER CONCRETE WALKWAY PARELS

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Are to	11364	Seve
Sco+	Drawn or RHG	Chop
DNE 1-19-7	9 Chiches by ED	Cwa Ne 🗸





BETAIL OF DE

627 MESH

SECT. A.A

YAUGKEM-BURNE

To the second

## Weaver Constitution Co. 2115 So. Valentia Street Denver, Colo. 80231 | 1303| 755-1285

Project: Eisenhower Tunnel Interior Firish Work 2rd Bore - Summit & C'ser Creek Counties Department of Highways, State of Colorado Project No.: I 70-3(83)220

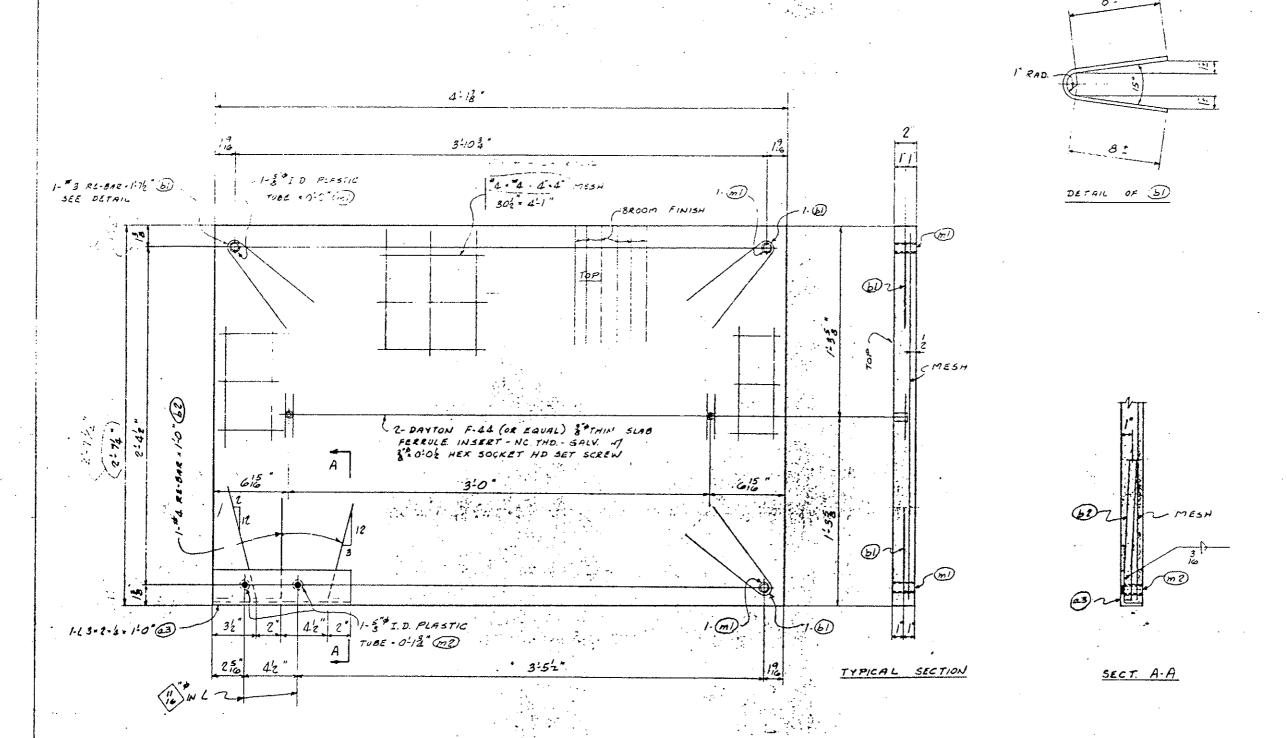
WIND CONCRETE WALKWAY PANELS

Place Hig.	134	<b>~</b> 0	Osta.
Pare Ma	ile	ma	De4e
3ces		Drewn on RHG	Shop Dwg. No. 9

175 CONCRETE WALKWAY PANELS - A9

- **4**---

CLASS 3 CONCRETE - FG=5000 PSI



174 CONCRETE WALKWAY PANELS - AIO

LASE S CONCRETE - FE-8000 PSI

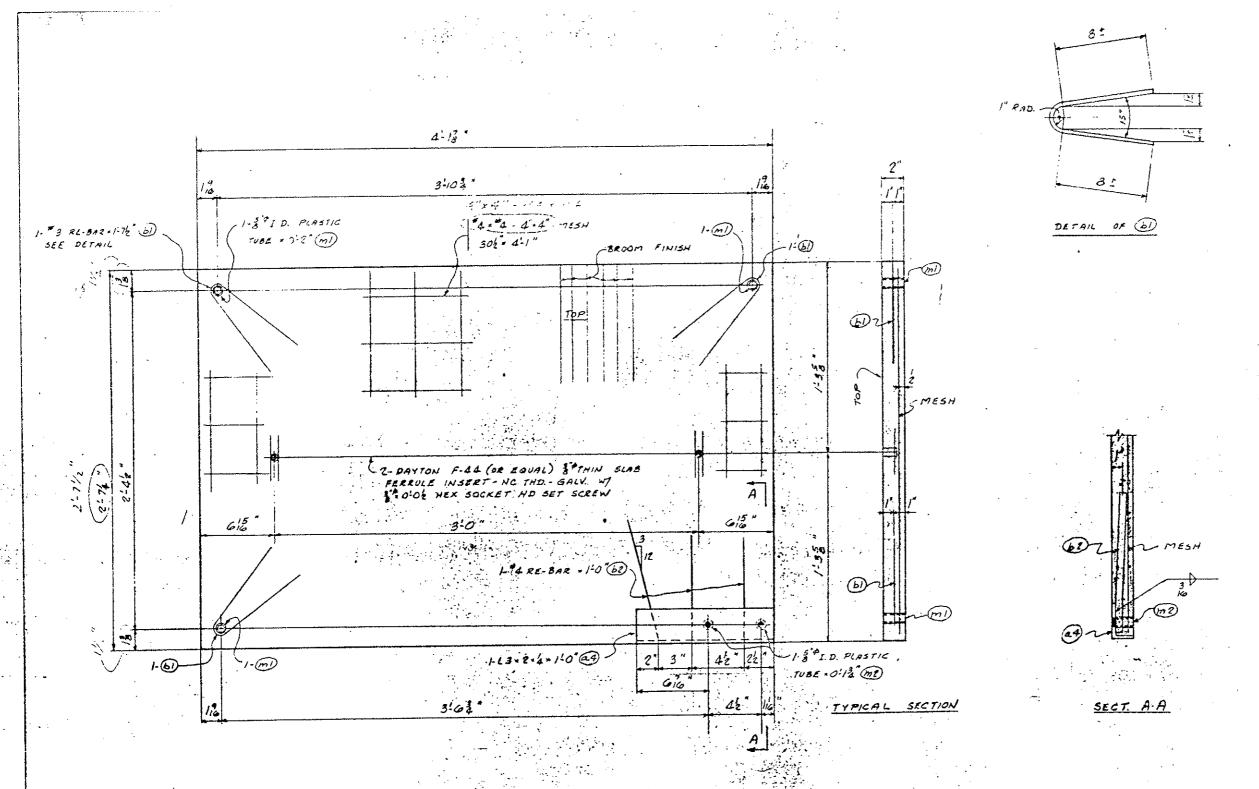
TAKE PERSONAL COLUMN

Weaver Construction Co. 2175 So. Valentia Street

Denver, Colo. 80231 [303] 755-1285

Project: Eleanhower Tunnel Interior Finish Work 2째 Bors - Summit & Clear Creek Counties Department of Highways, State of Colorado Project No.: I 70-3(83)220

CONCRETE WALKWAY PANELS



174. CONCRETE WALKWAY PANELS - All

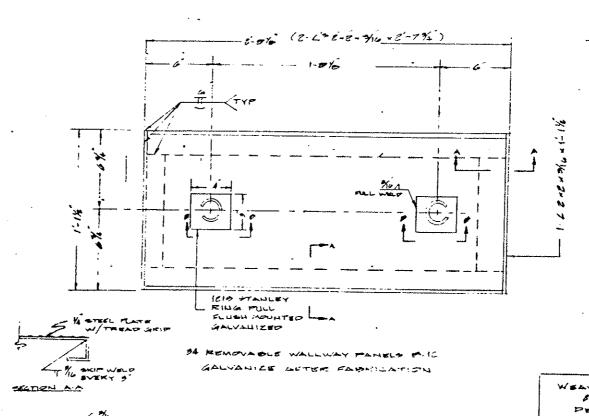
CLASS S CONCRETE - FC = 5000 PSI

# Weaver Construction Co. 2115 So. Valentia Street Denver, Colo. 80231 (303) 755-1235

Project: Elsenhower Tunnal Interior Finish: Work 2rd Bore - Summit & Clear Creek Counties Department of Highways, State of Colorado Project No.: I 7C-3(83)220

BOSETTH CONCRETE WALKWAY PANELS

Seale Craws by RHG Shop Dwg No. //	Plan Me.	MA ·		Dode
	Marie Ma	~4		Orde .
[Part 114 / ]	Profes			
Delign 1 = 19 - 79 Checked By ED GREENS. 11 .		Checked By ED	DX:	L NO. // .



SECTION 5.0

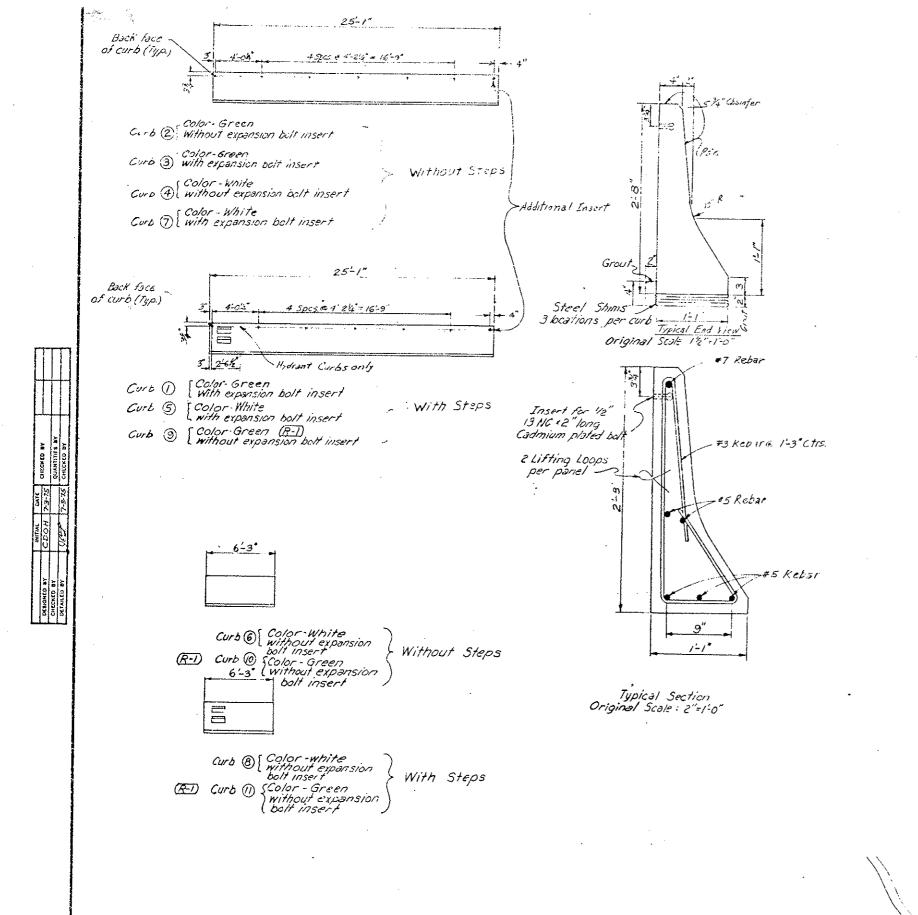
WEAVER CONSTRUCTION CO SIID SO VALENTIA STREET PENVER COLORADO BOCSI

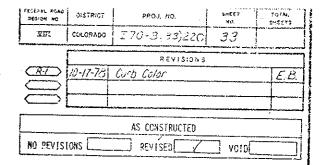
PREJECT: EIFENHOWER TUNNEL
INTERIOR FINISH WORK I'F FORE
OUMMIT & CLEAR CREEK COUNTIES
170-5(05) [10

יאושבד דודג.¥:

CONCRETE WALKWAY PANELS

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PATE	79 JAH	ia. 18



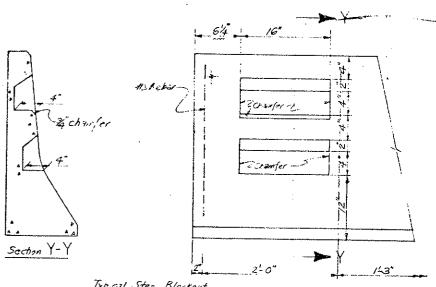


#### GENERAL NOTES

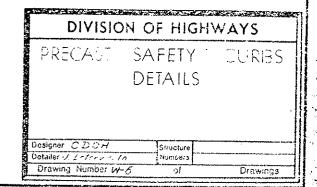
GRADE 60 REINFORCING STEEL IS REQUIRED FOR #5 BARS AND LARGER. GRADE 40 MAY BE USED FOR BARS SMALLER THAN #5.

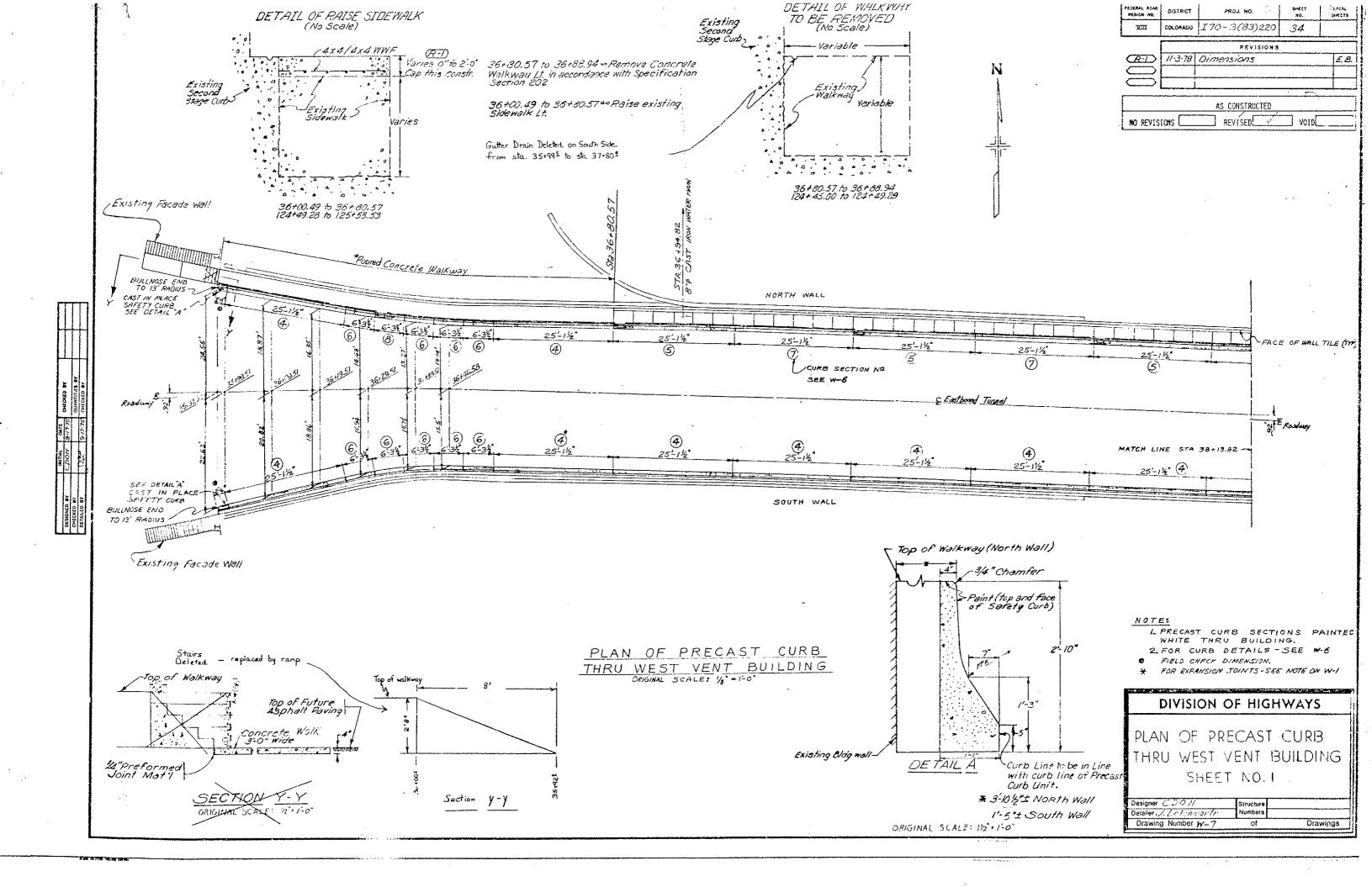
THE FOLLOWING TABLE GIVES THE MINIMUM LAP SPLICE LENGTH FOR REINFORCING BARS:

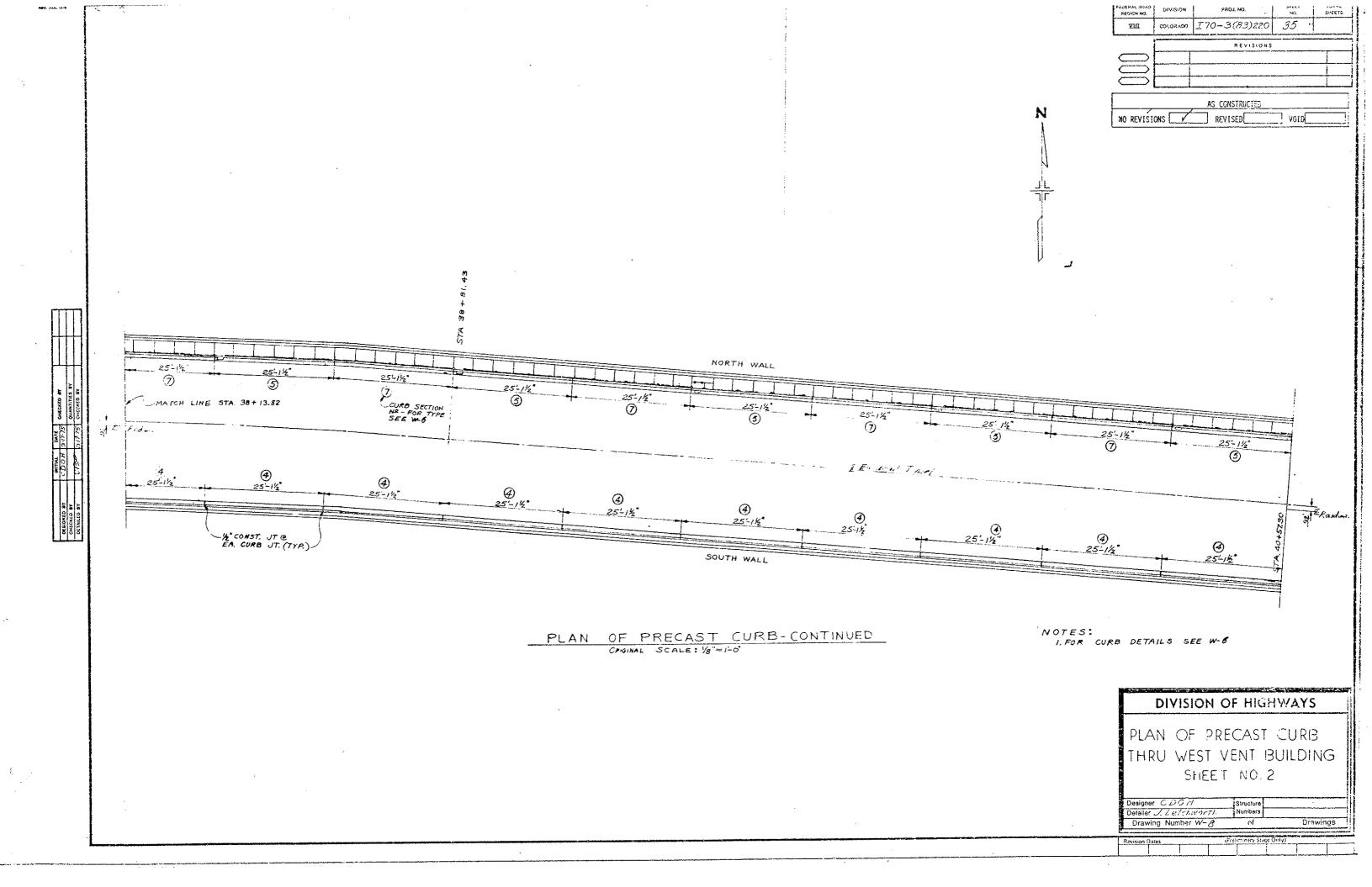
BAR SIZE	<b>/</b> 3	14	15	16	<b>\$</b> 7	8
SPLICE LENGTH	1'-0"	1,-04	1'-3"	1'-8"	2'-3"	3'-0*

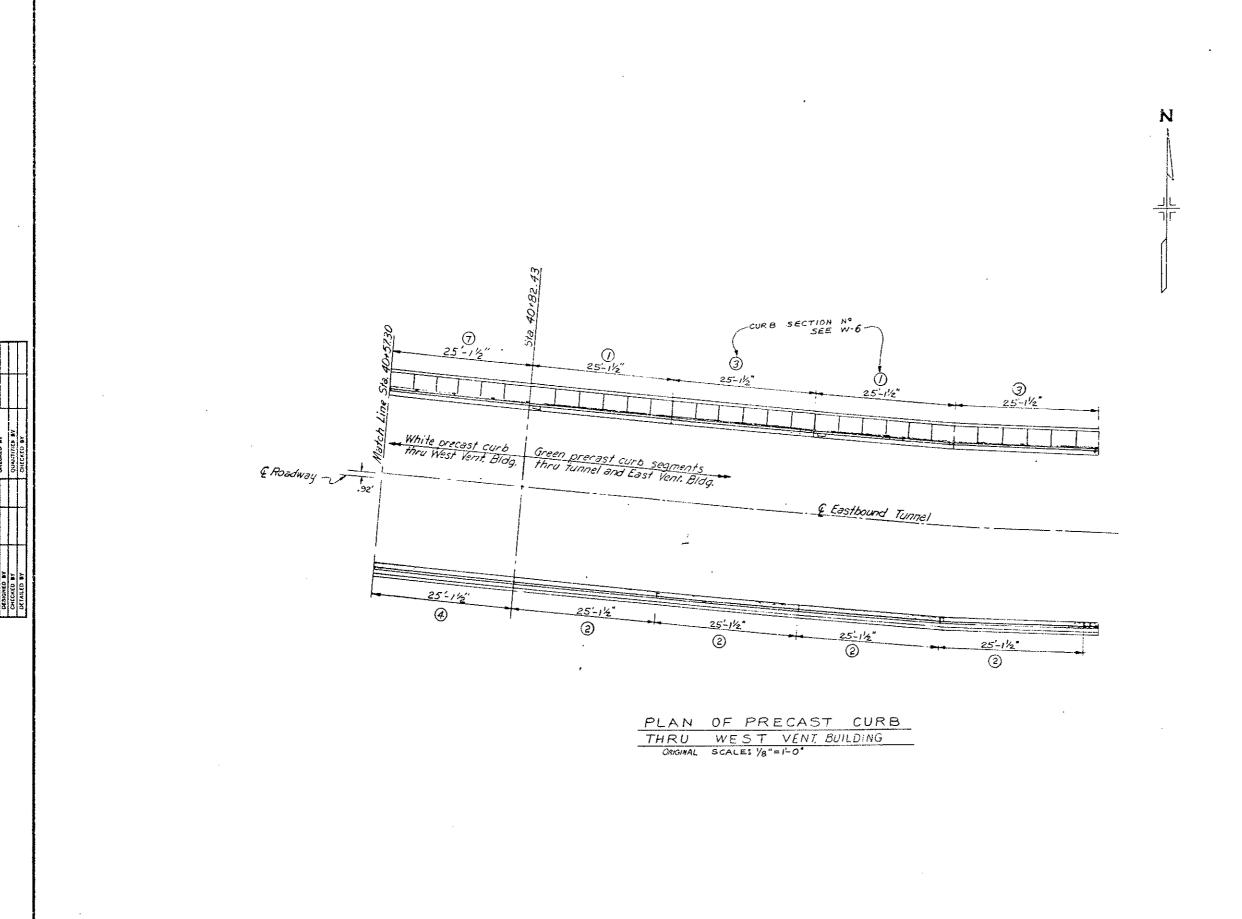


Typ.col Step Blockout Original Scale 1/2 = 1:0"









RECION NO.	DIVISION	PROJ. NO.	SHEET NO.	7:07 41 \$∺€€1
NDI .	COLORADO	I70-3(83)220	36	
	,	REVISIONS		
		AS CONSTRUCTED		

MR REVISIONS REVISED

NOTE:

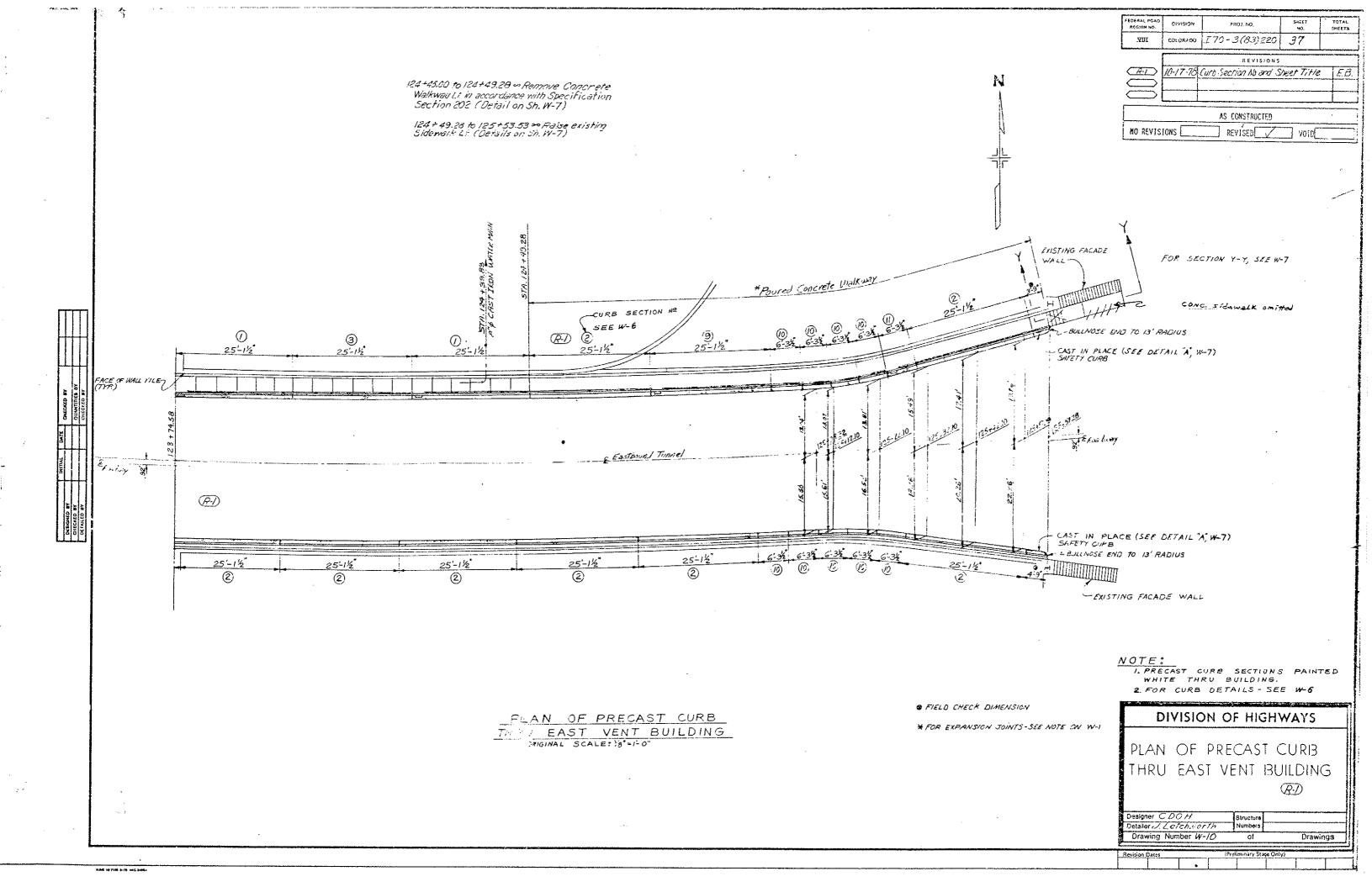
1. FOR CURB DETAILS SEE W-6

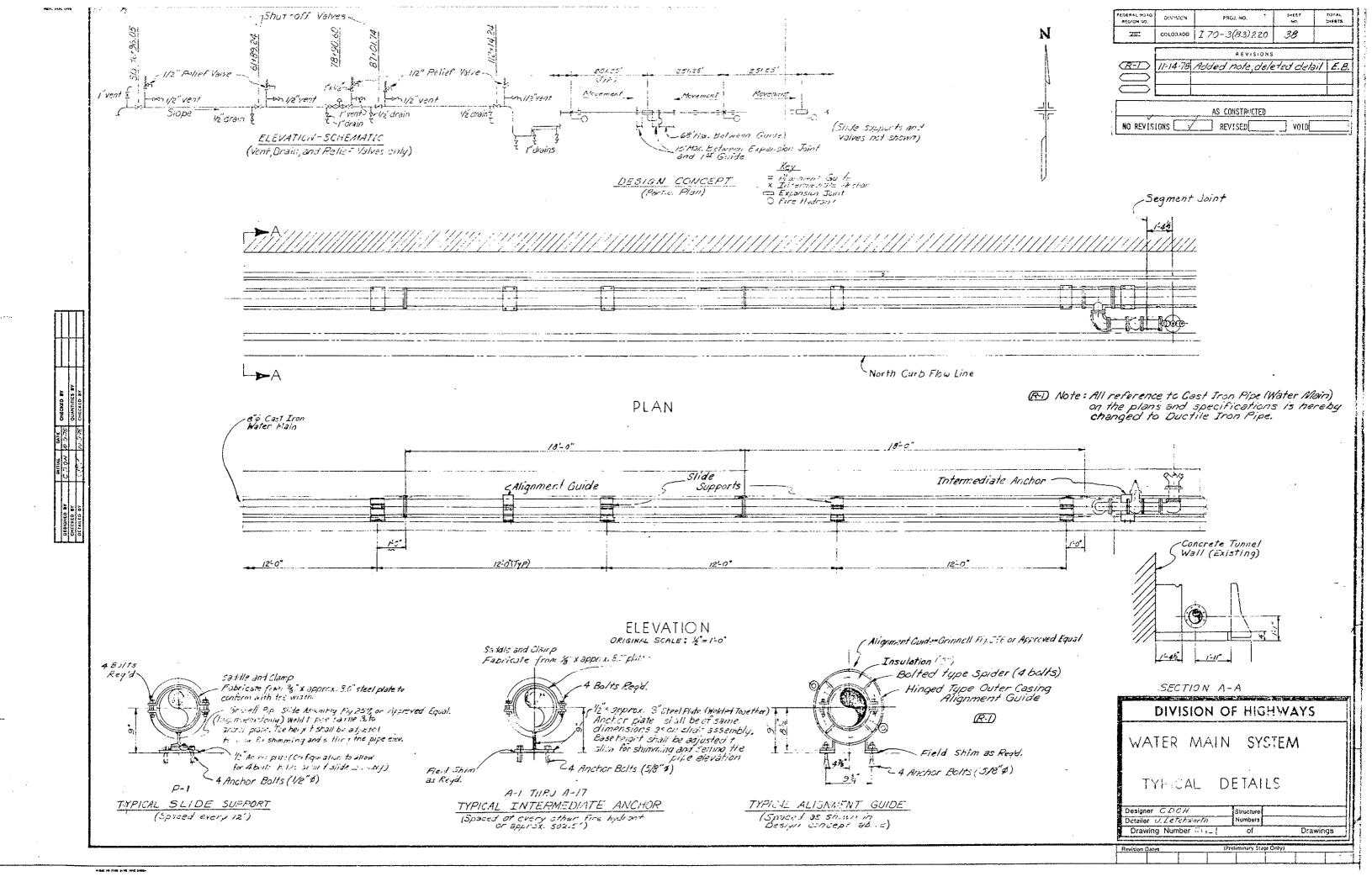
PLAN OF PRECAST (1. RB THRU WEST VENT BUILDING SHEET NO. 3

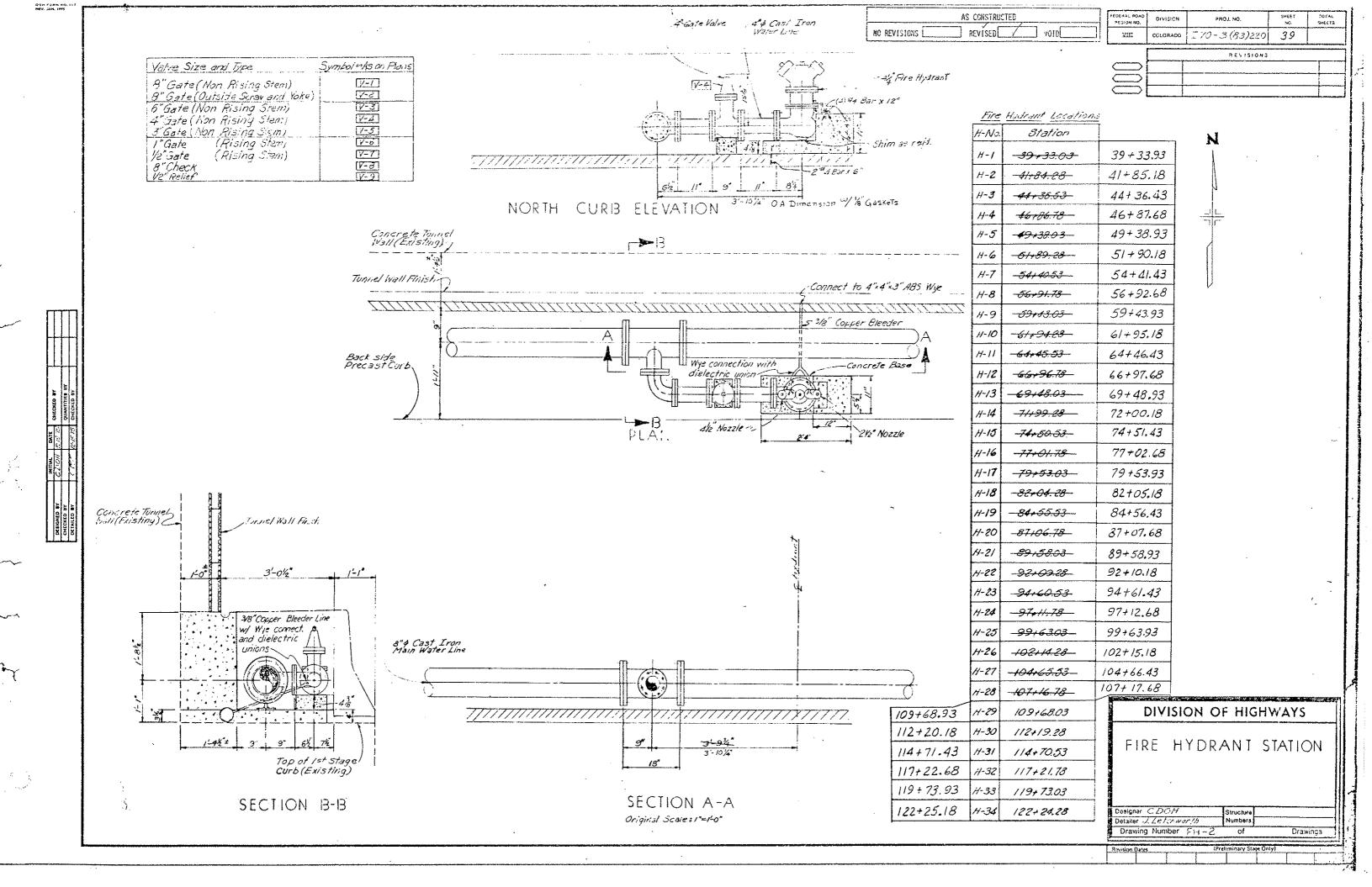
Designer CDOH Structure
Detailer J. LeTchworth Numbers

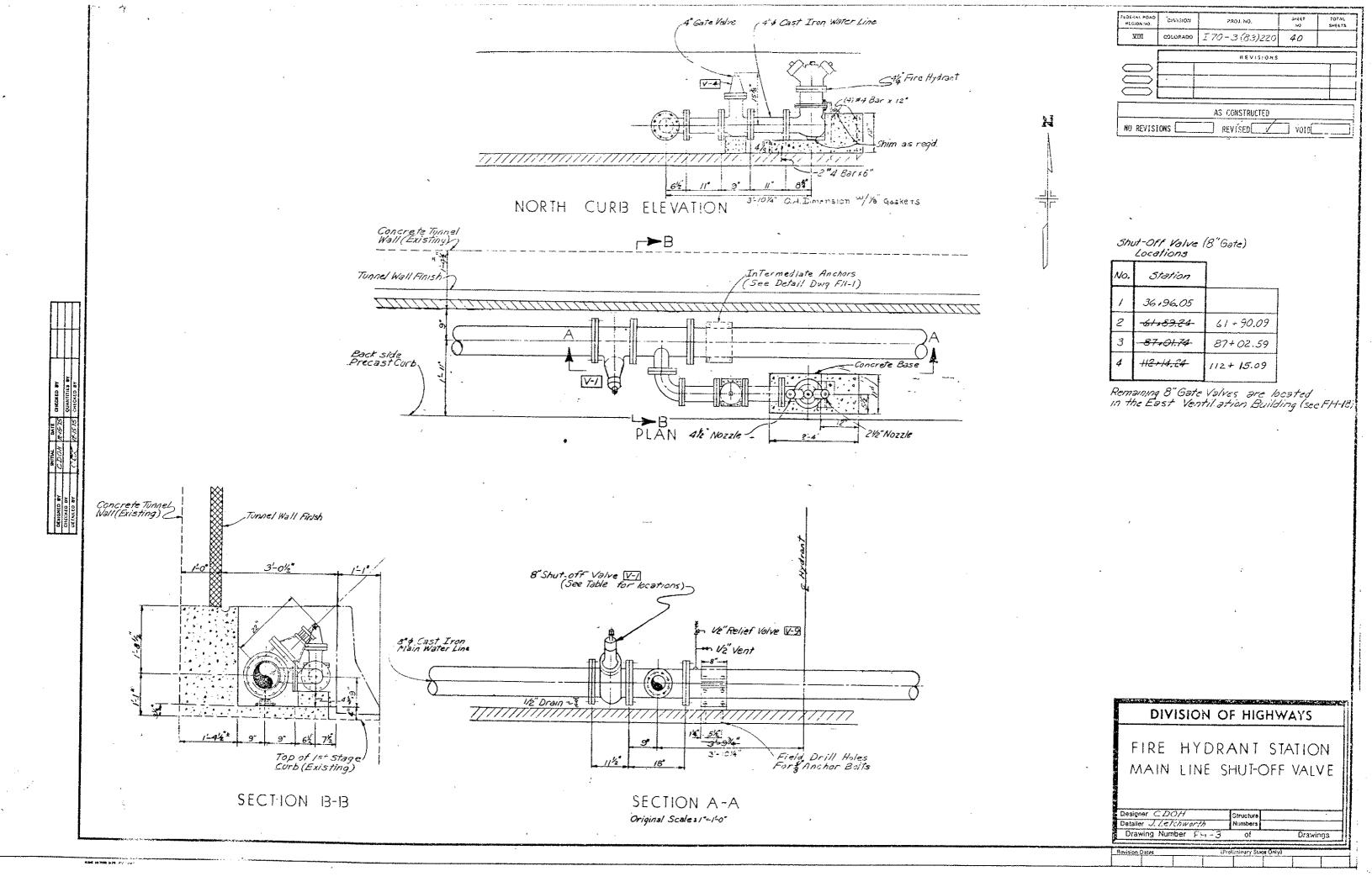
Drawing Number IV-9 of Drawings

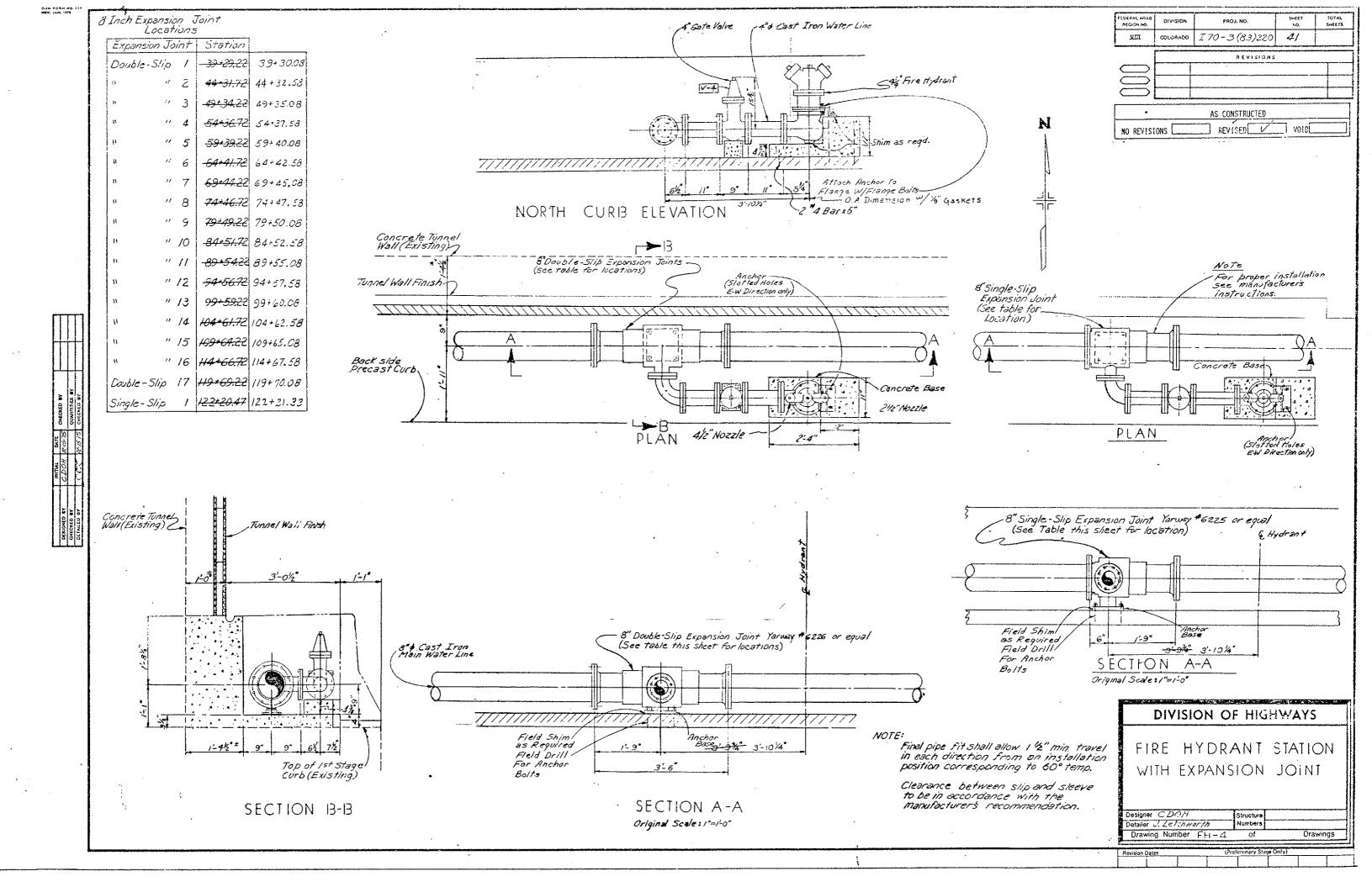
vision Dates (Preliminary Stage Only)

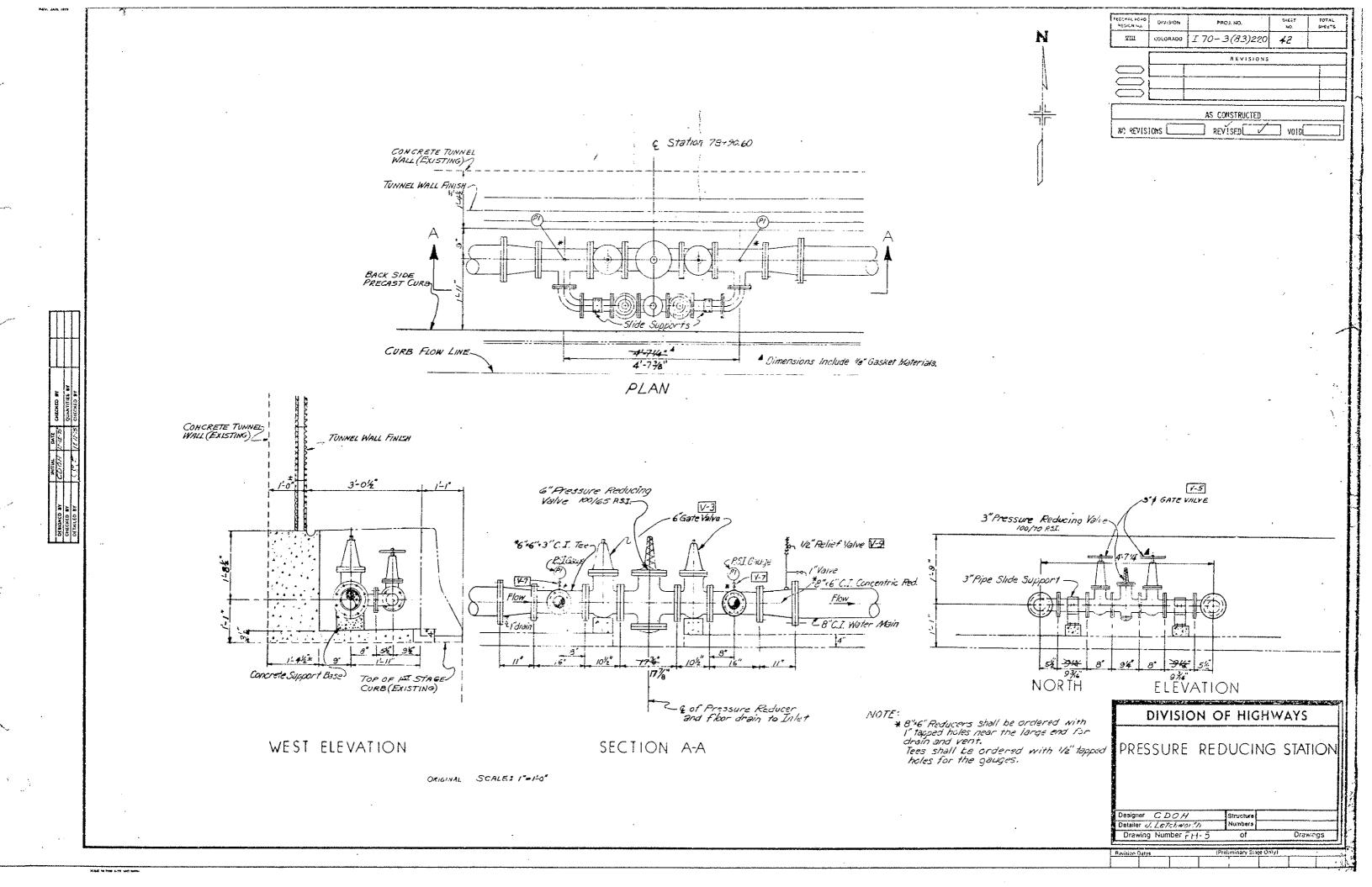


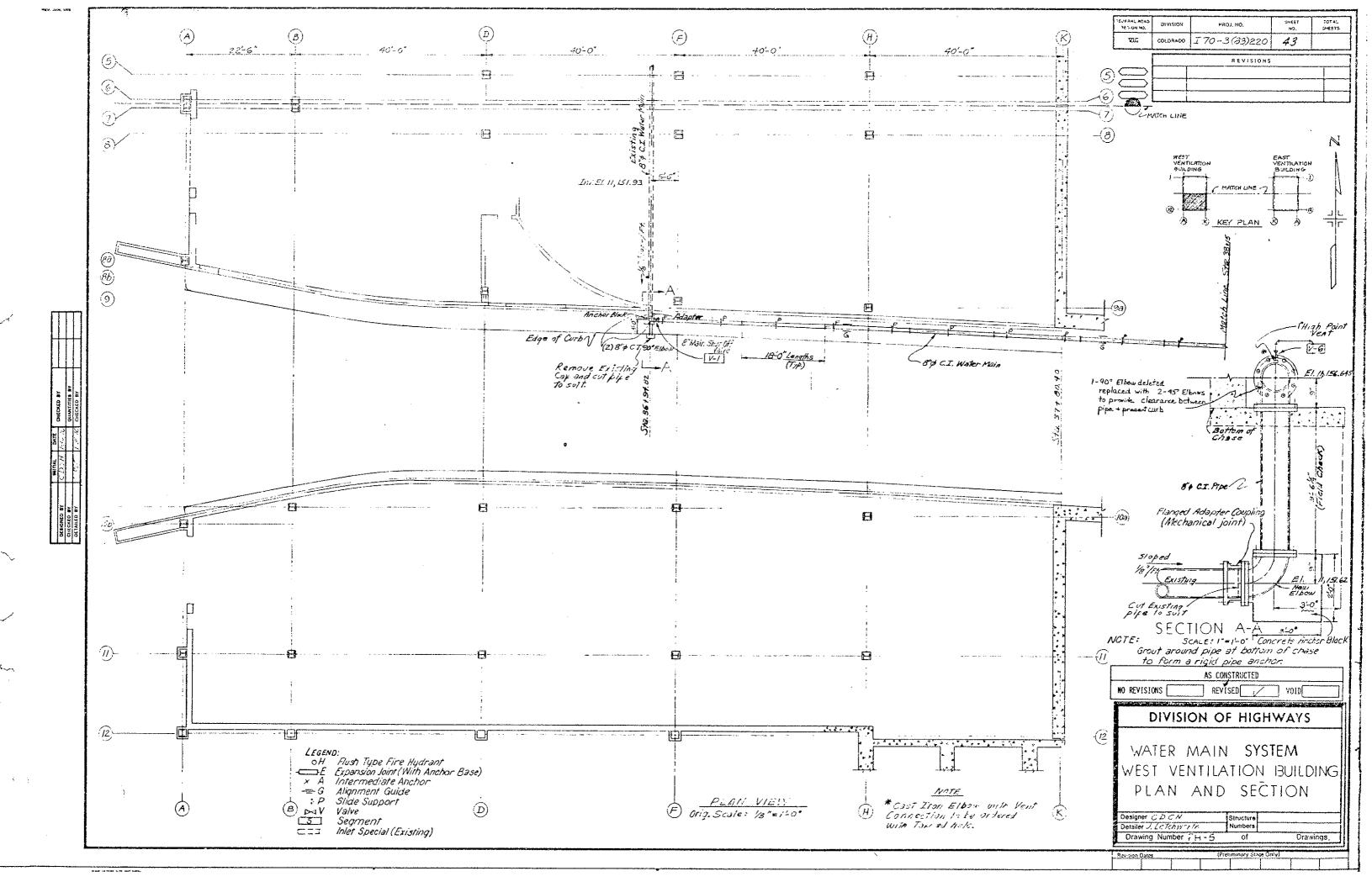


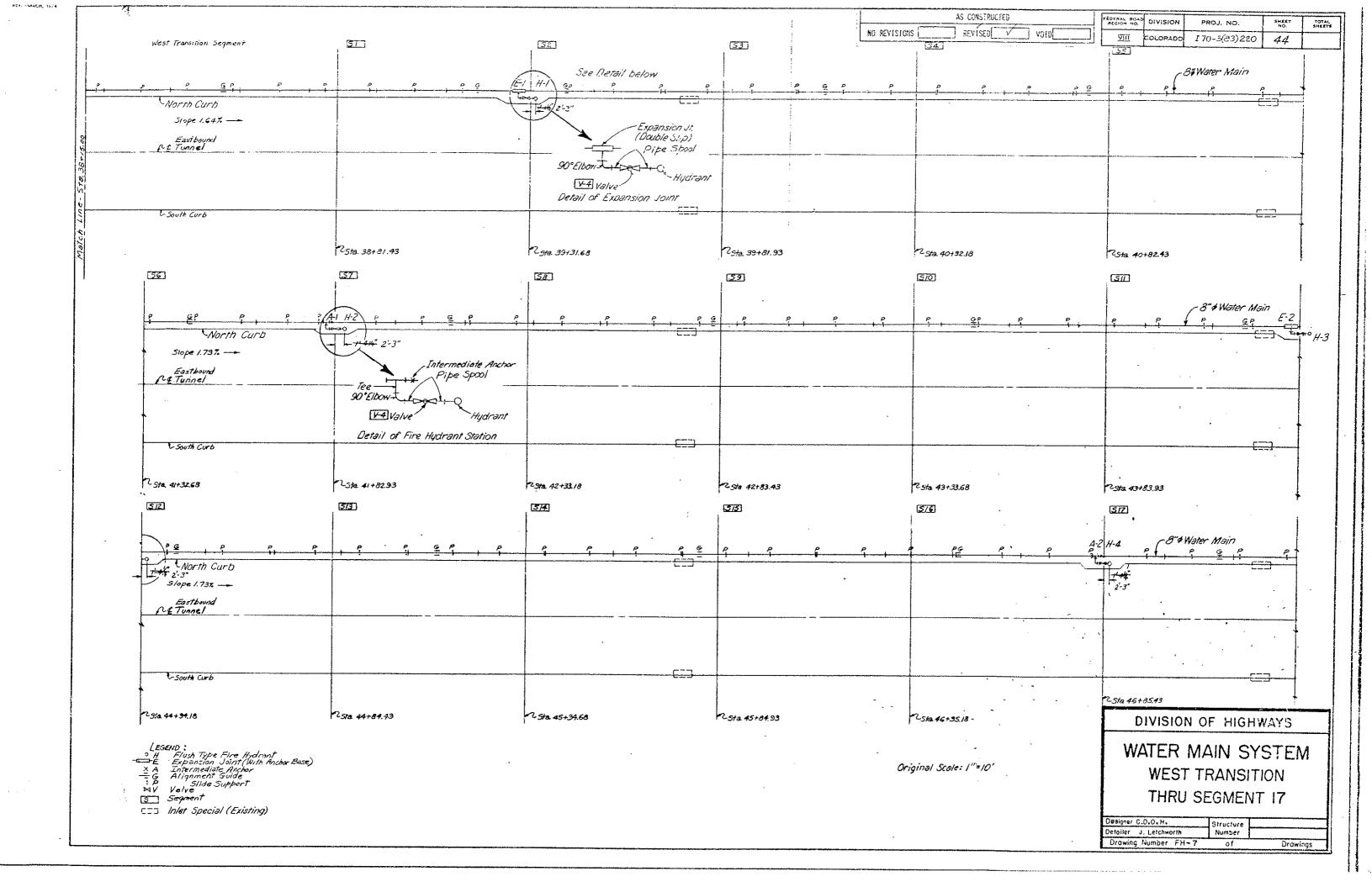


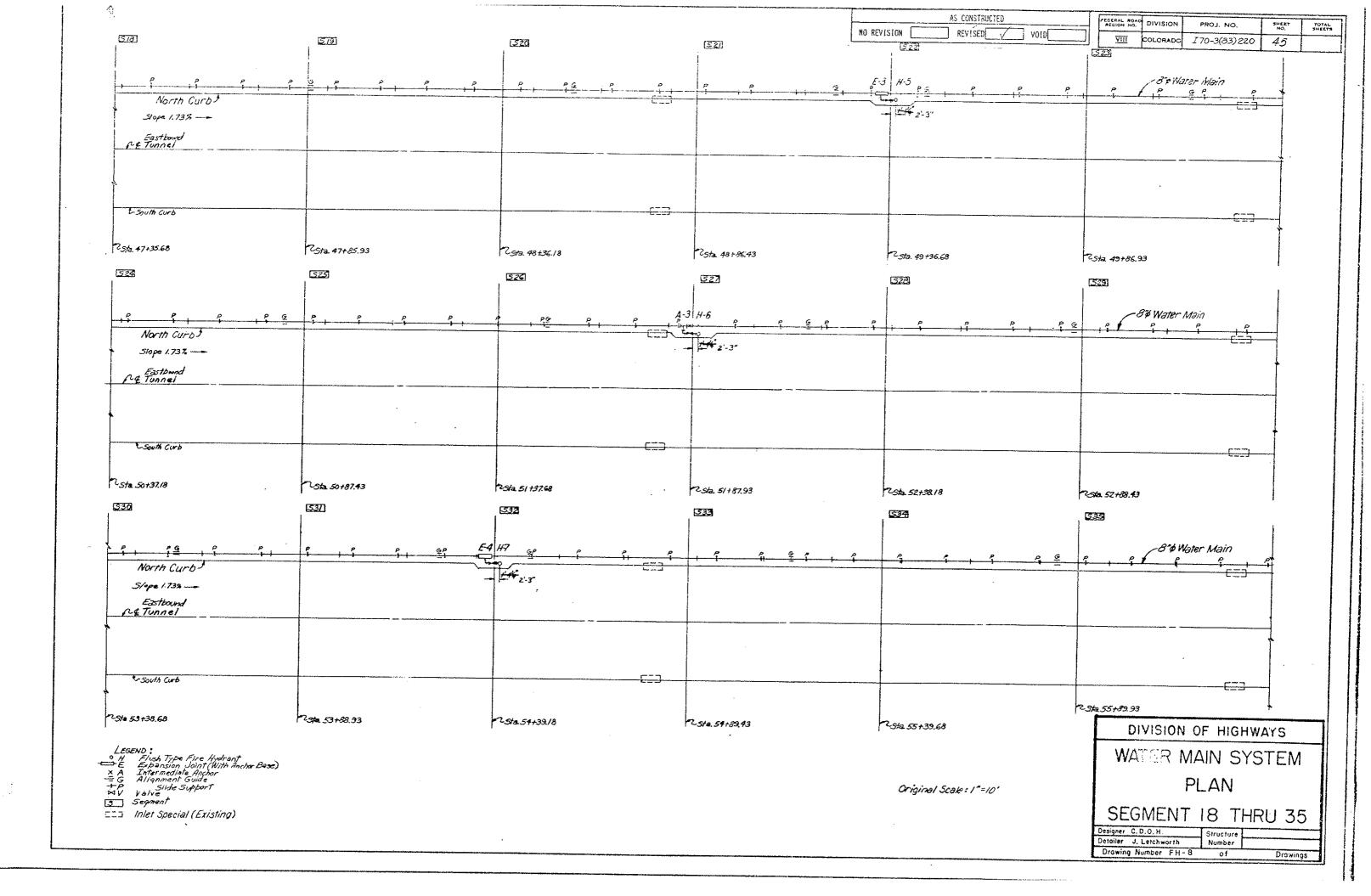


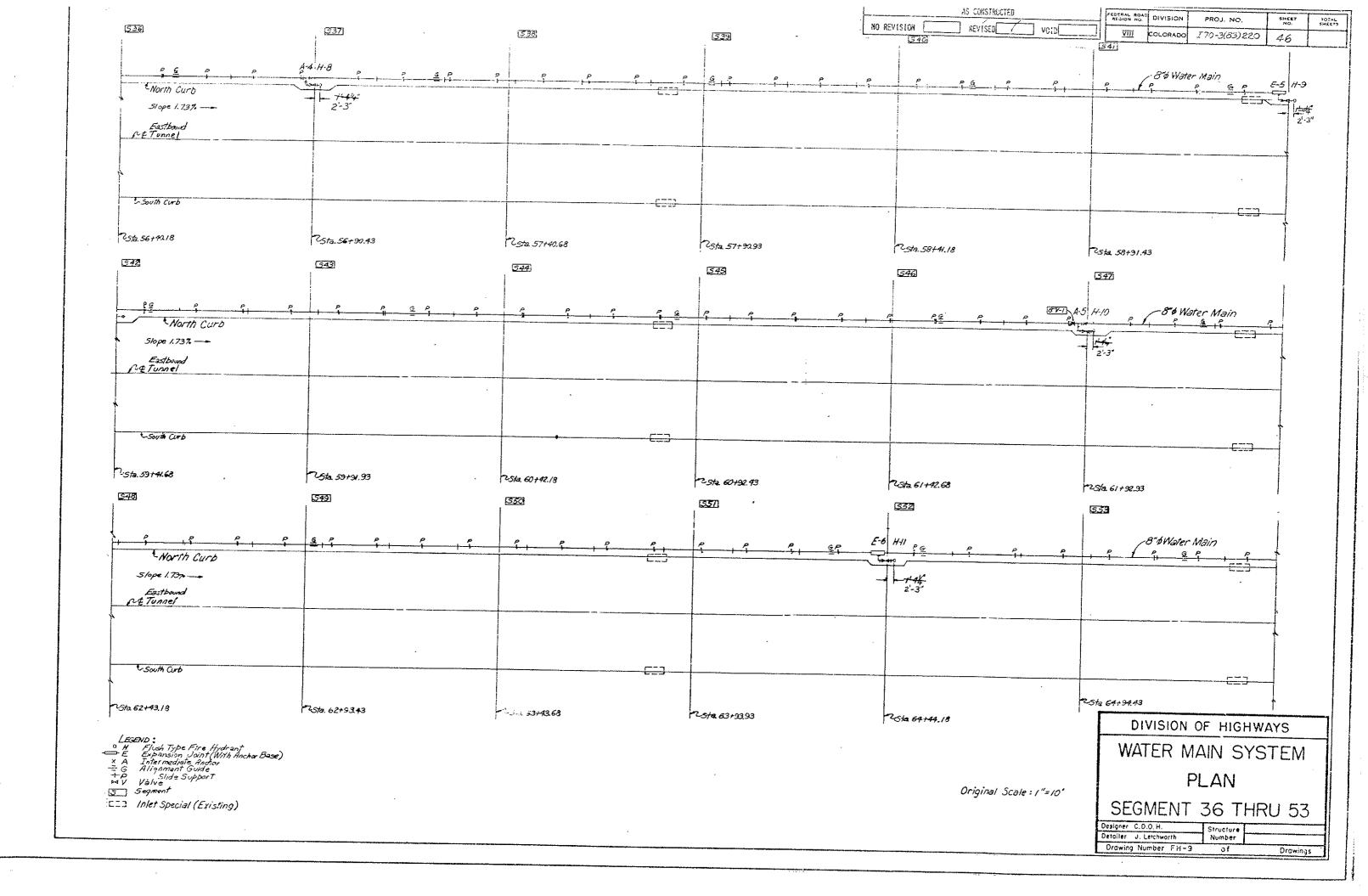


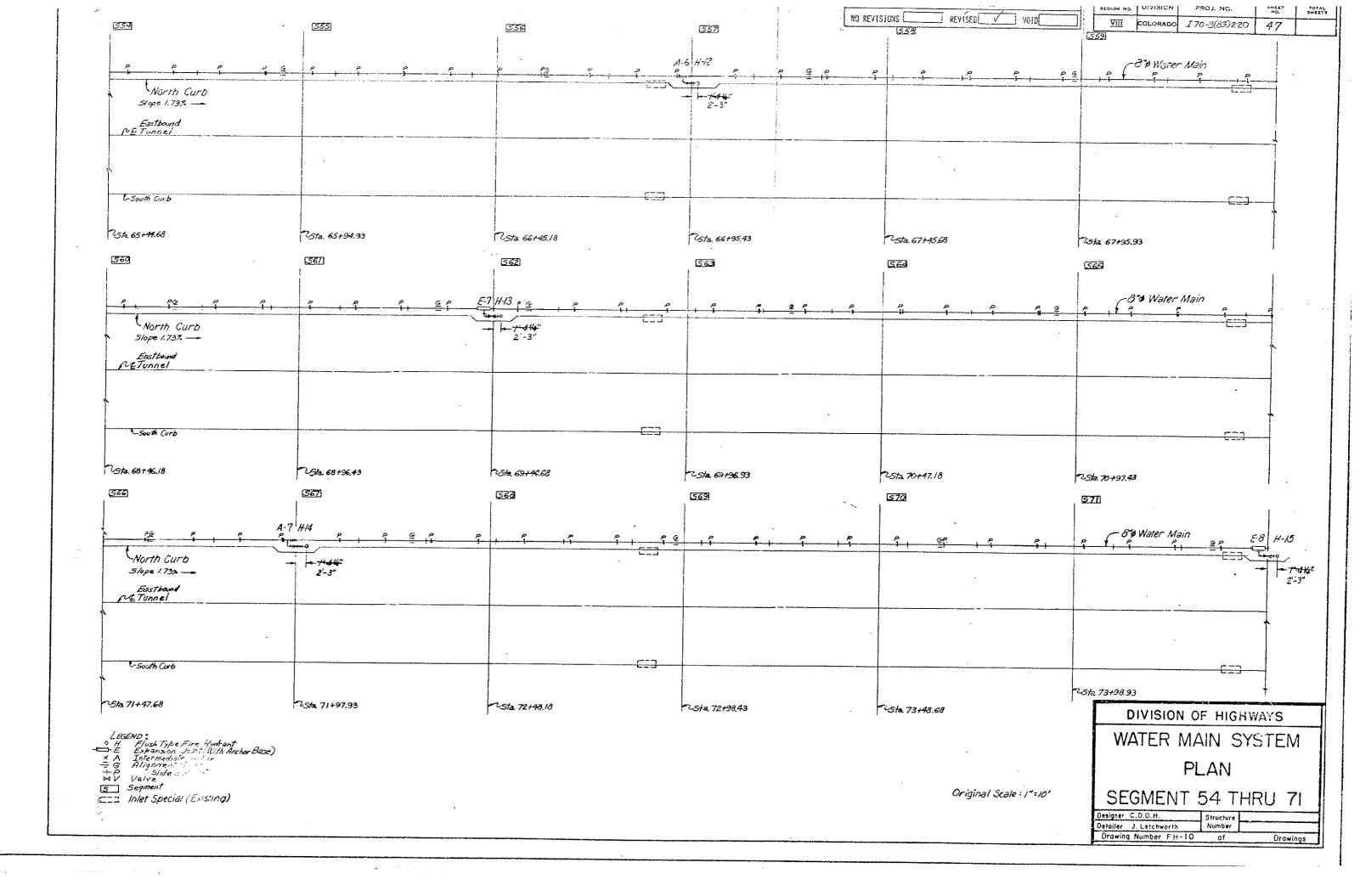


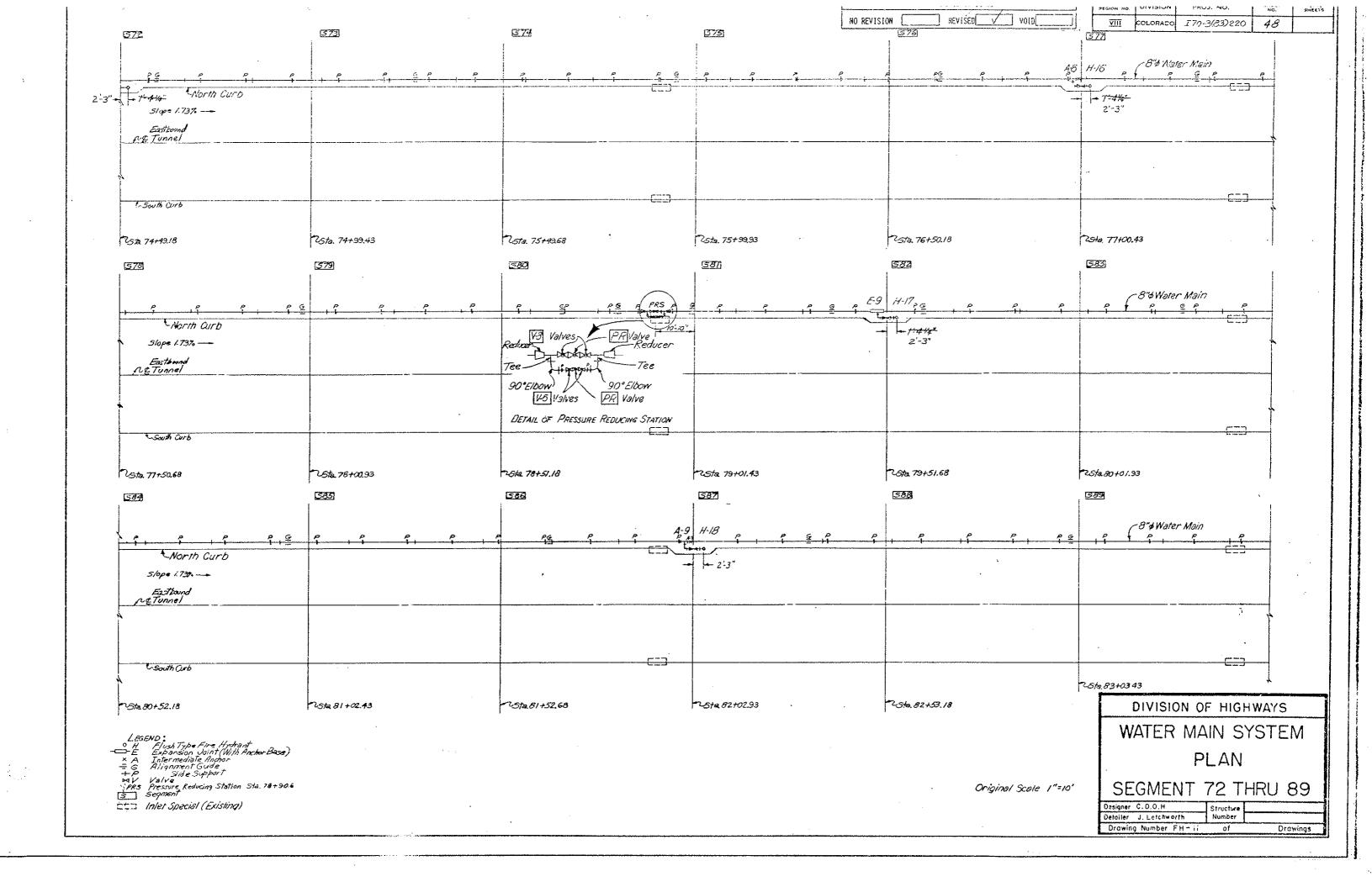


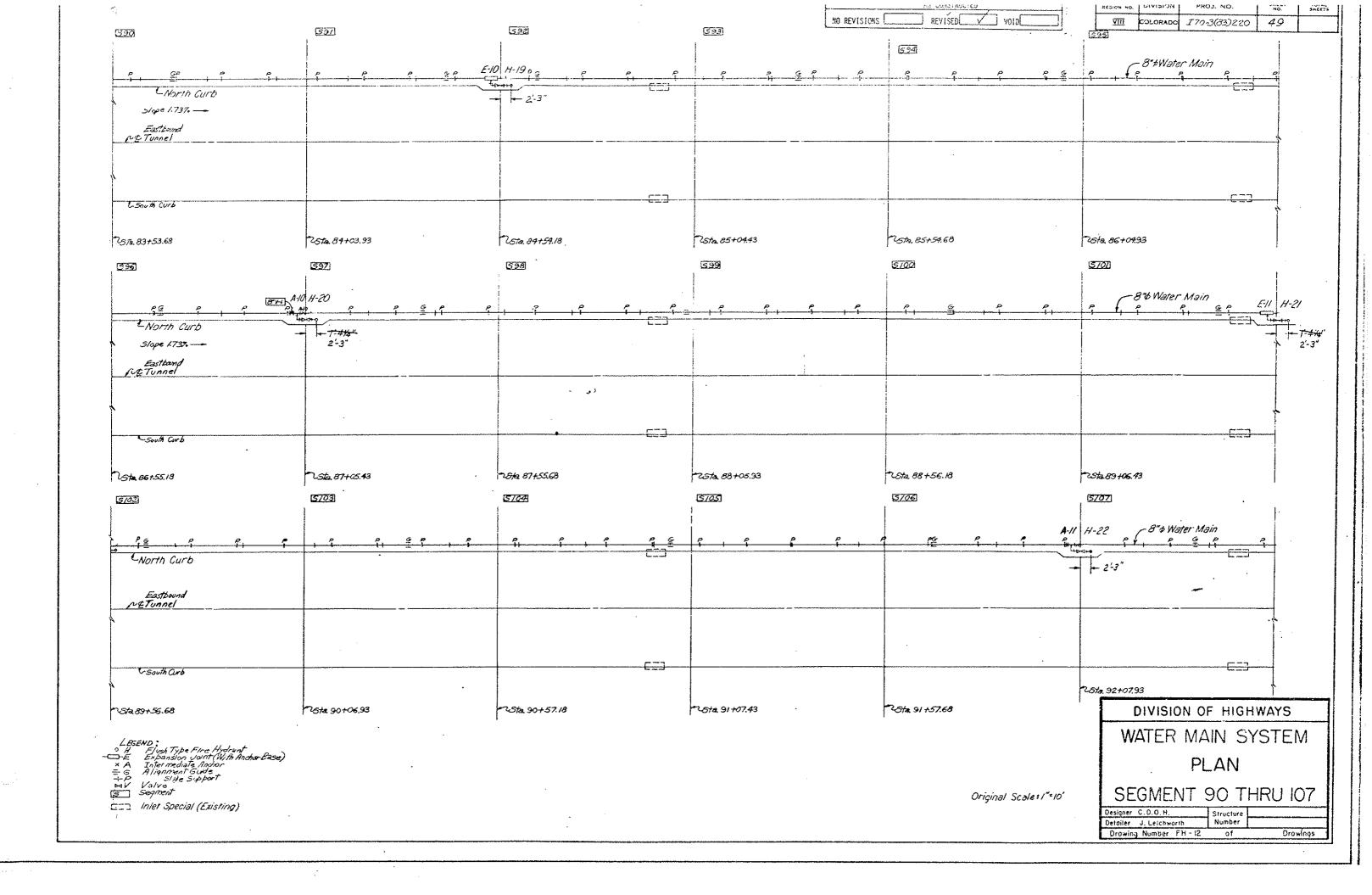


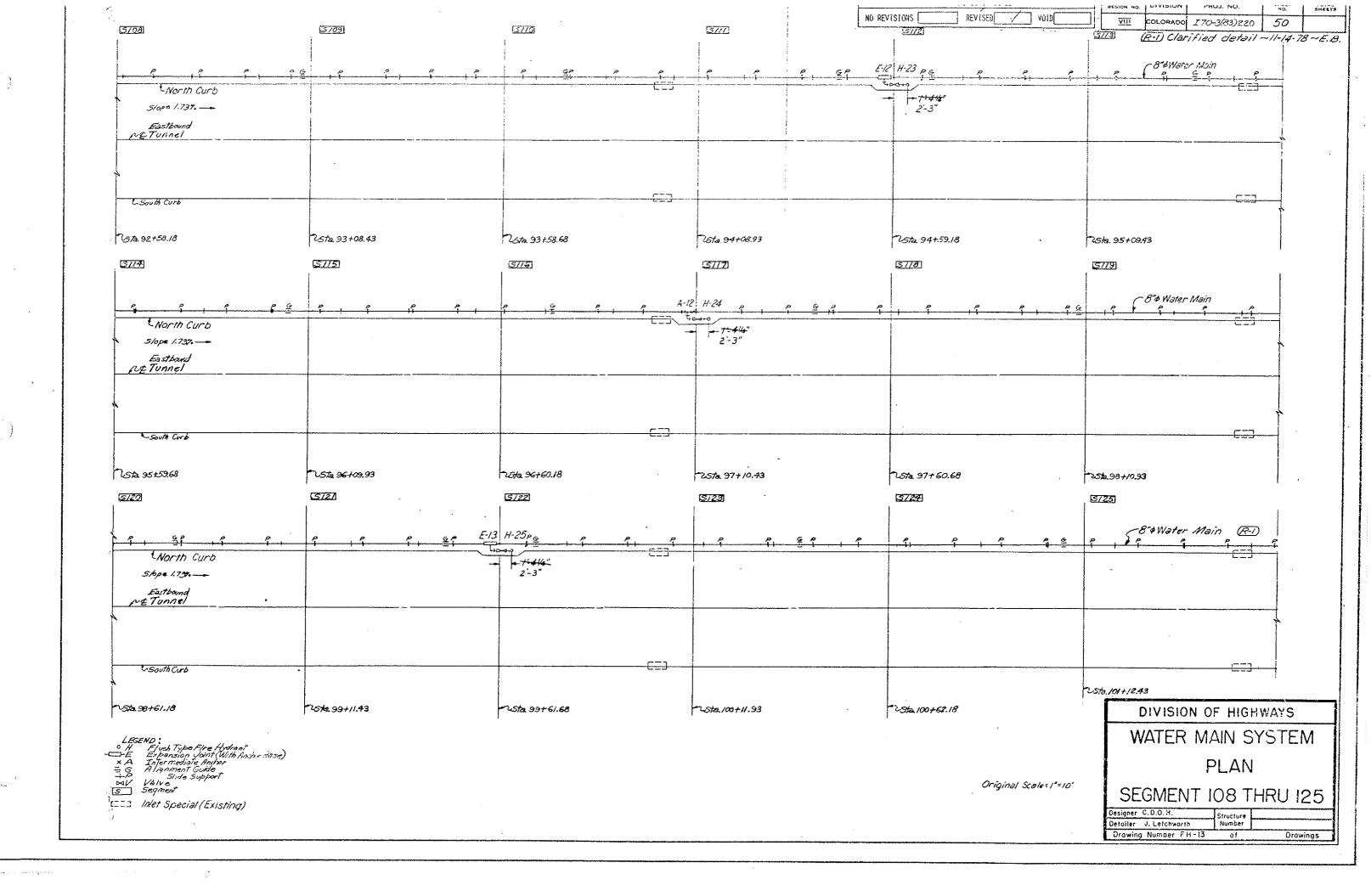


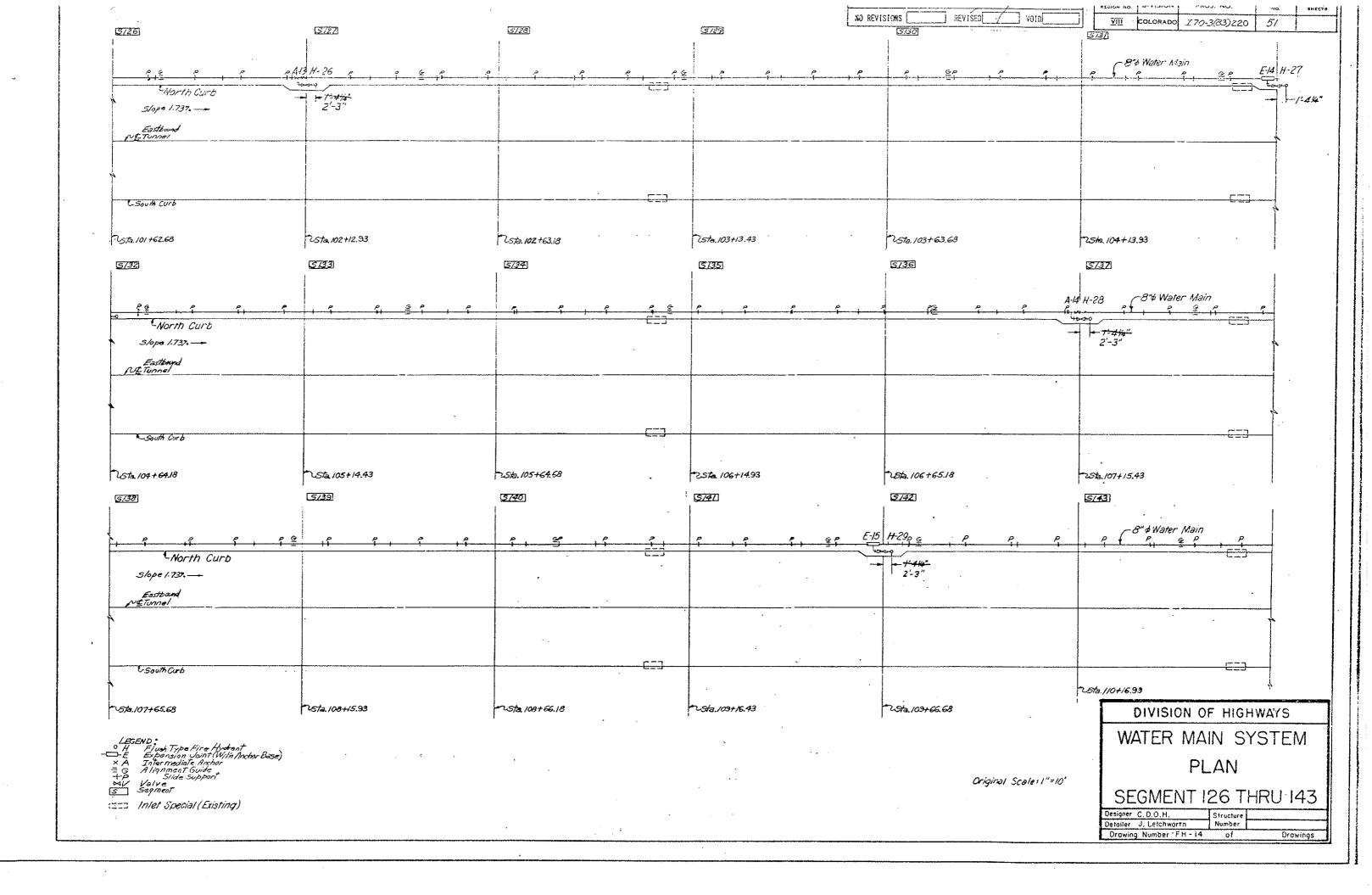


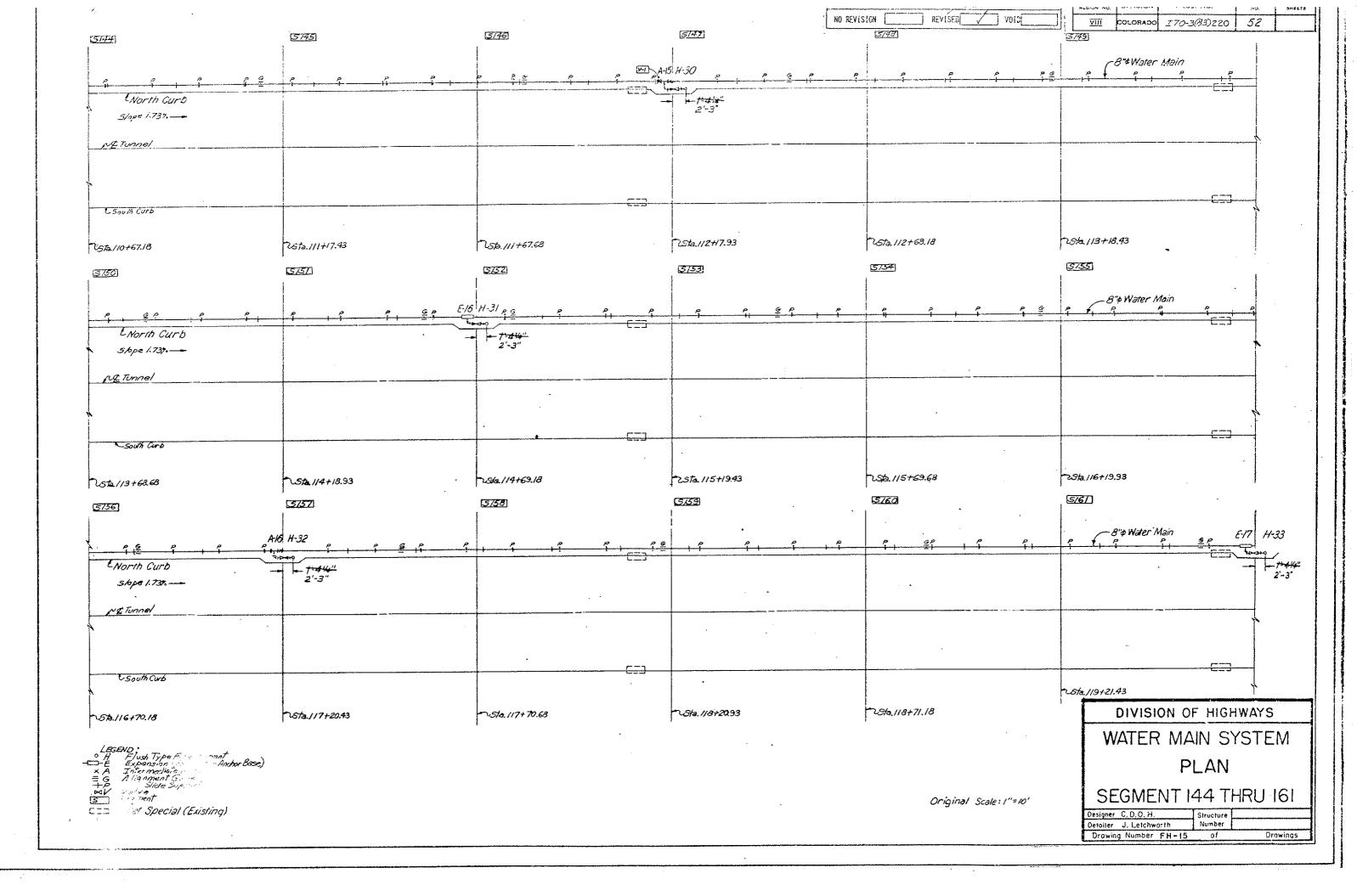


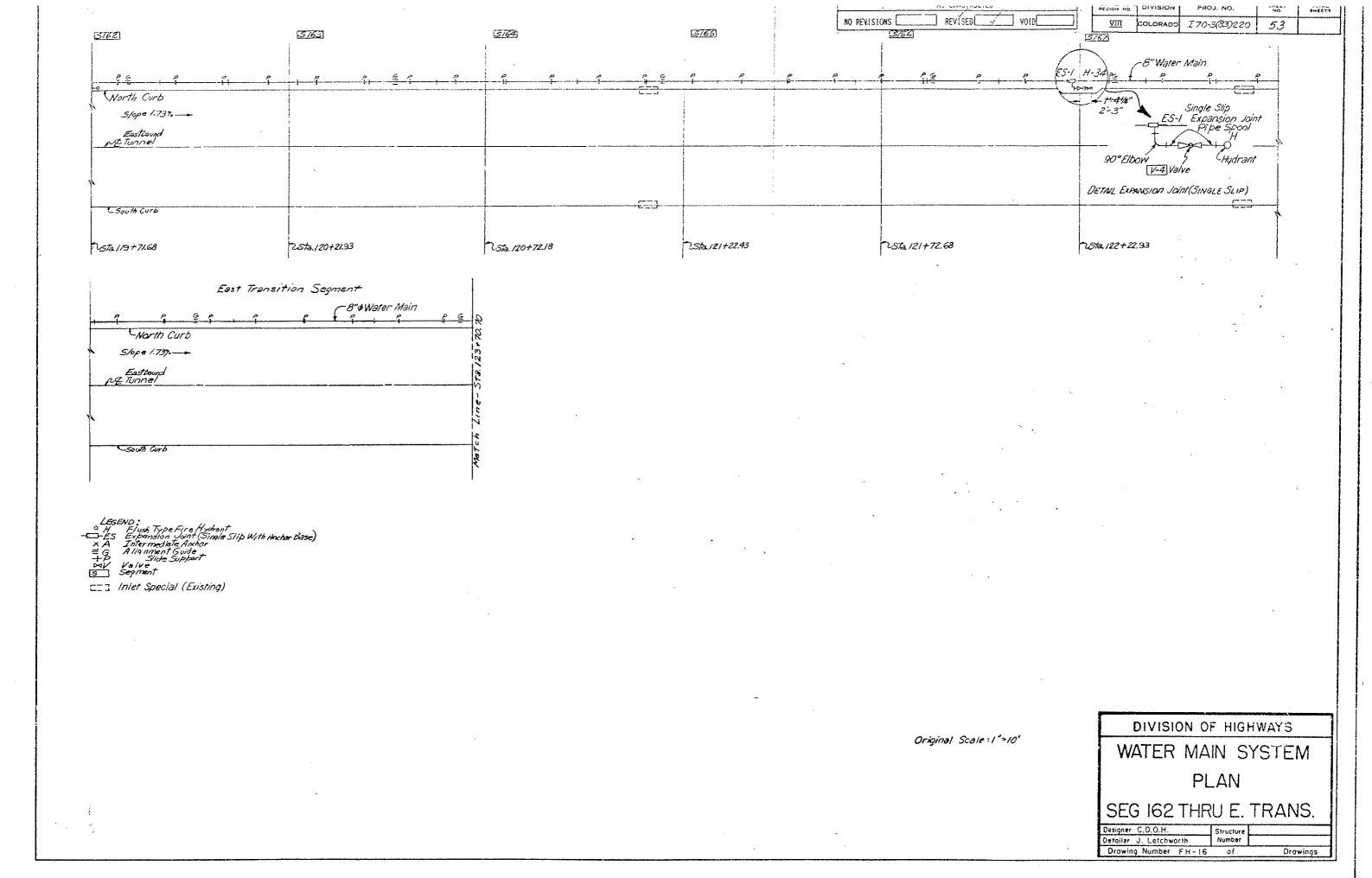


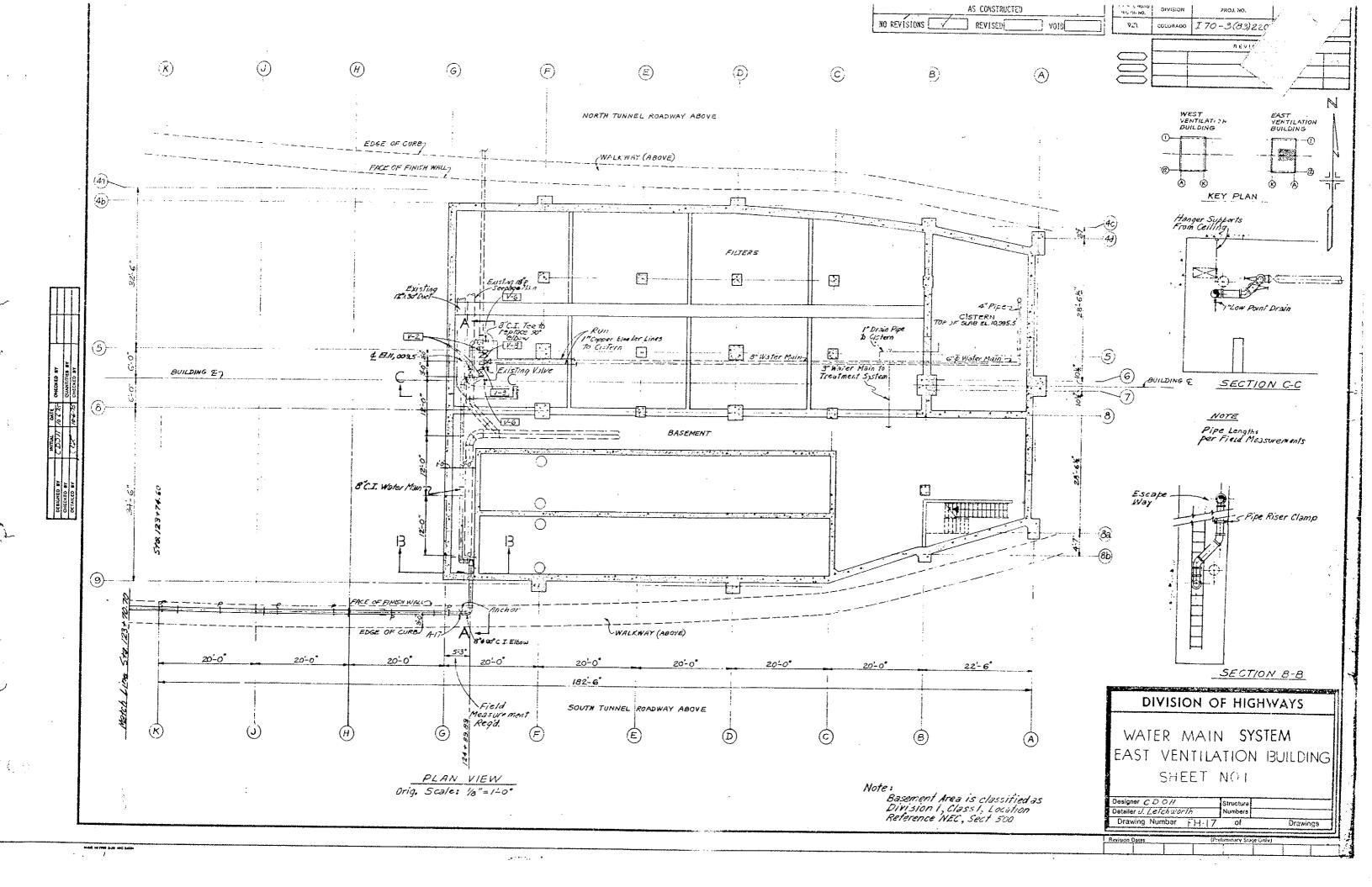


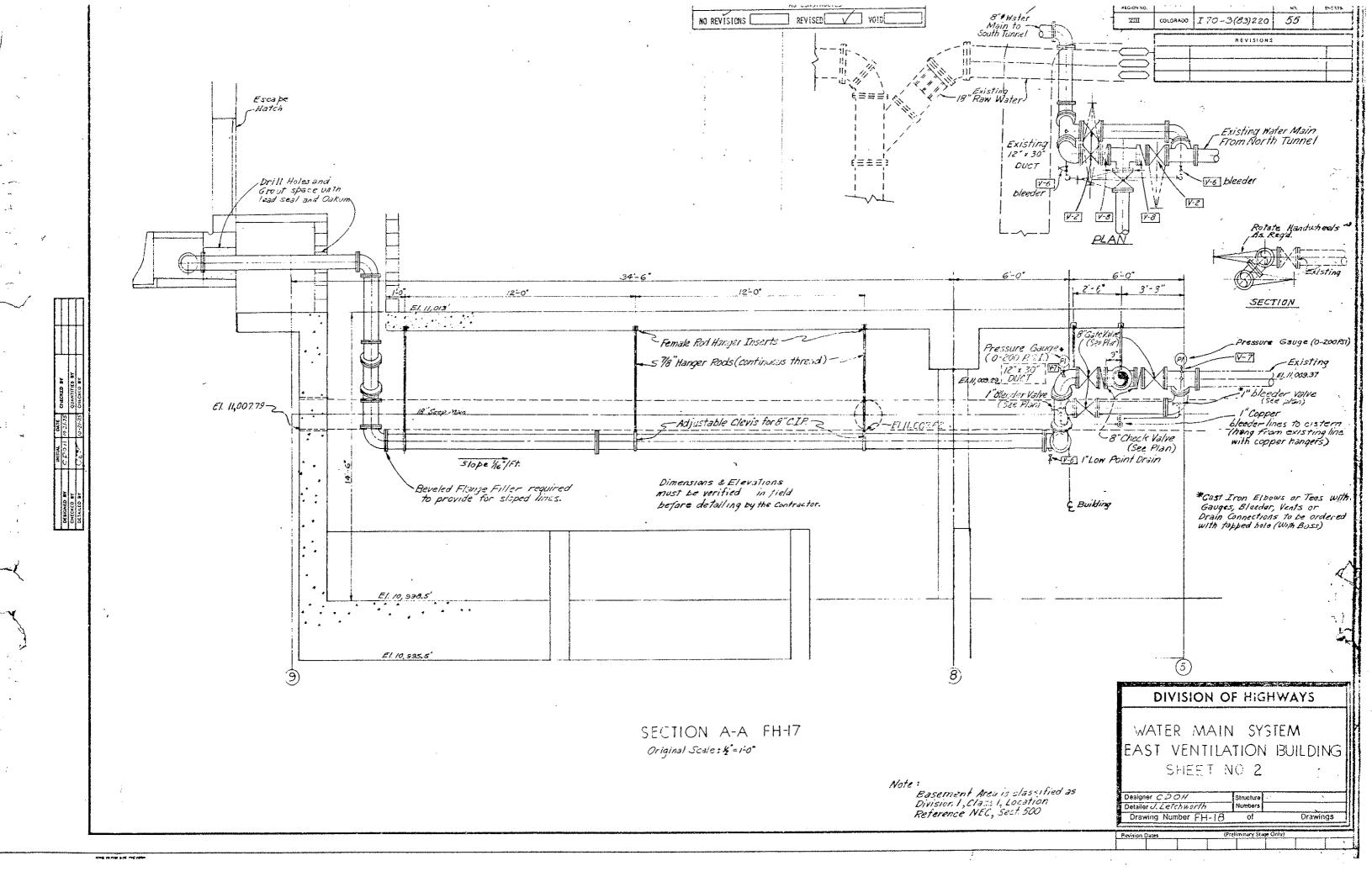


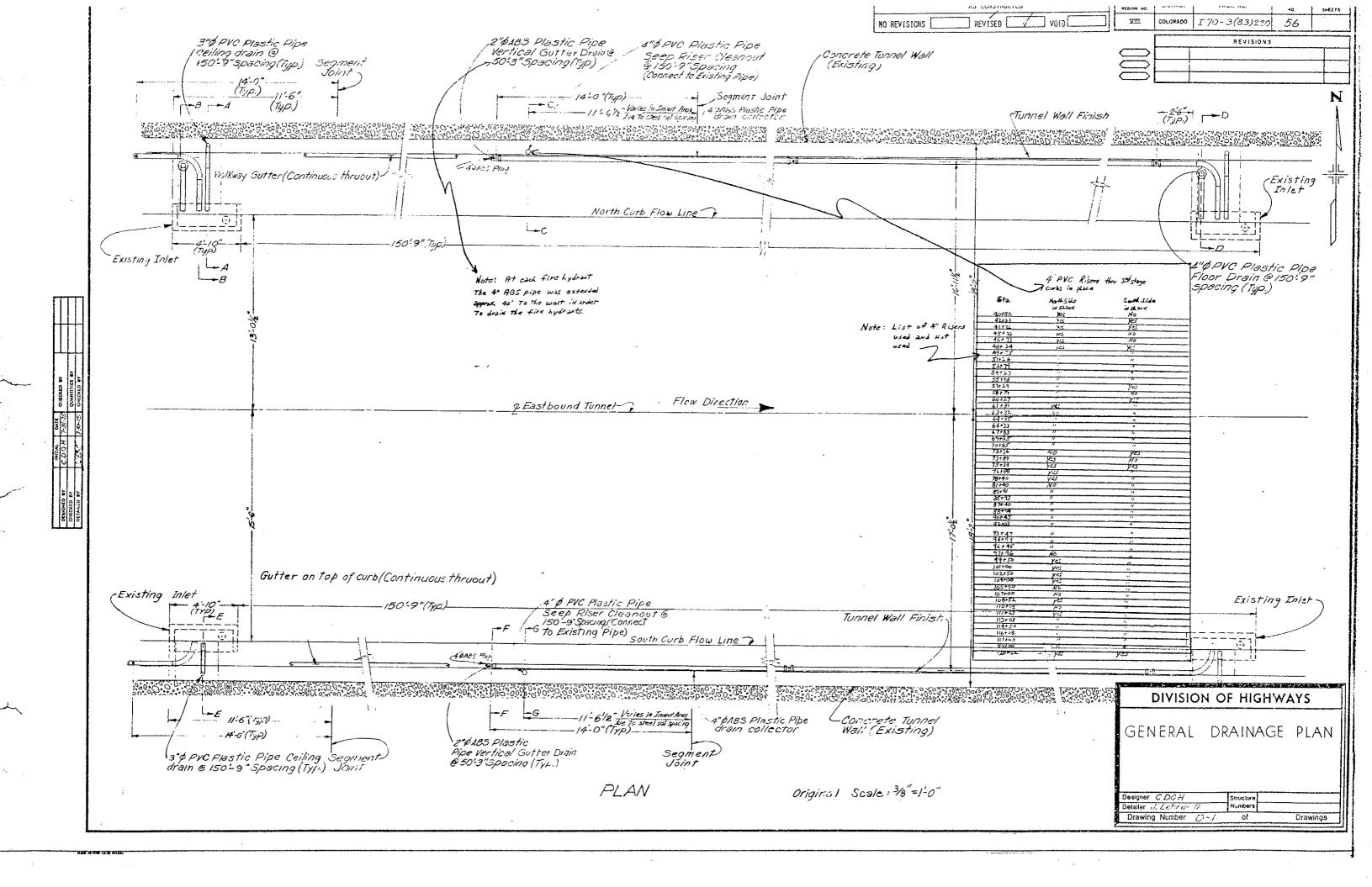


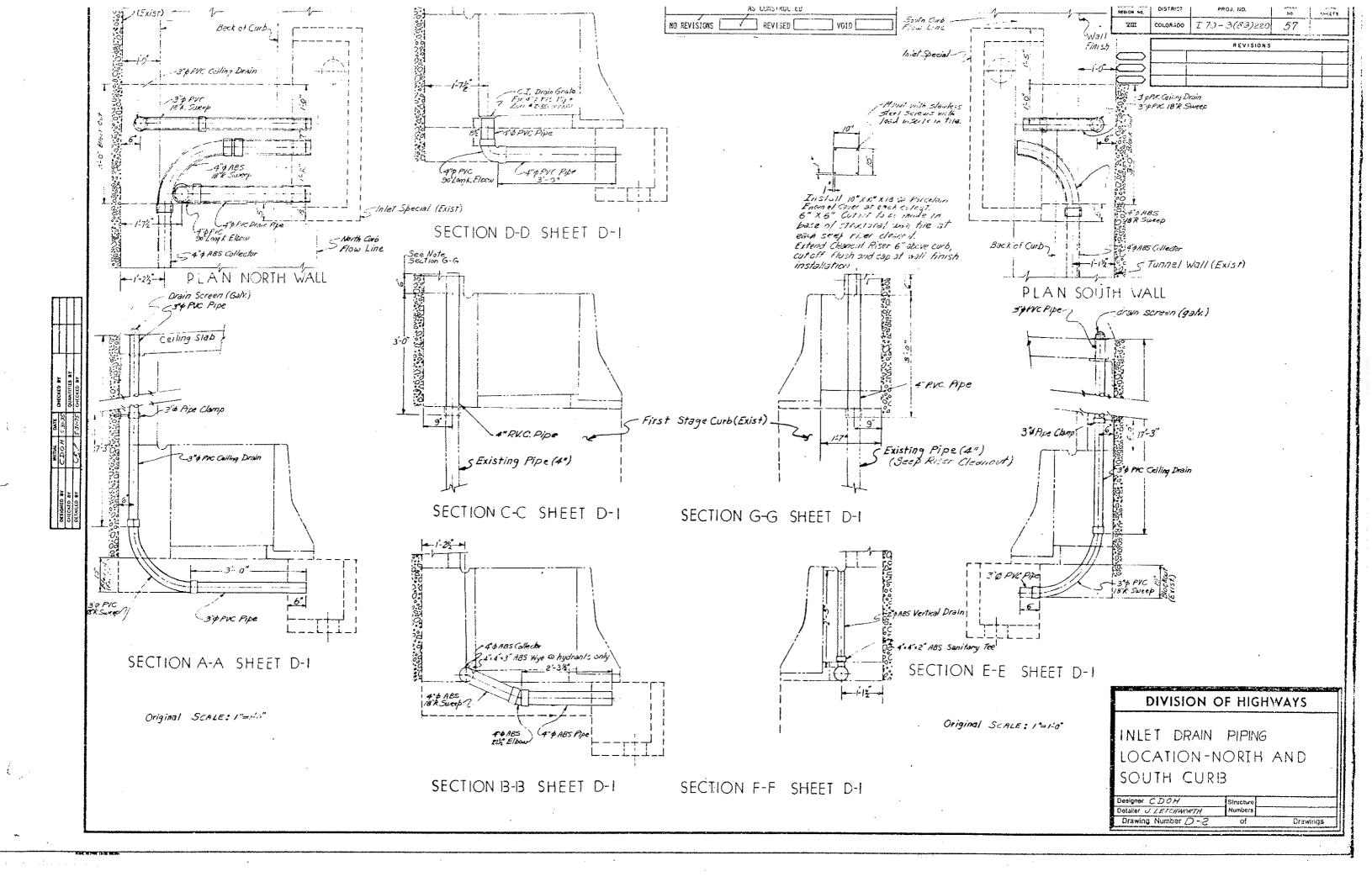


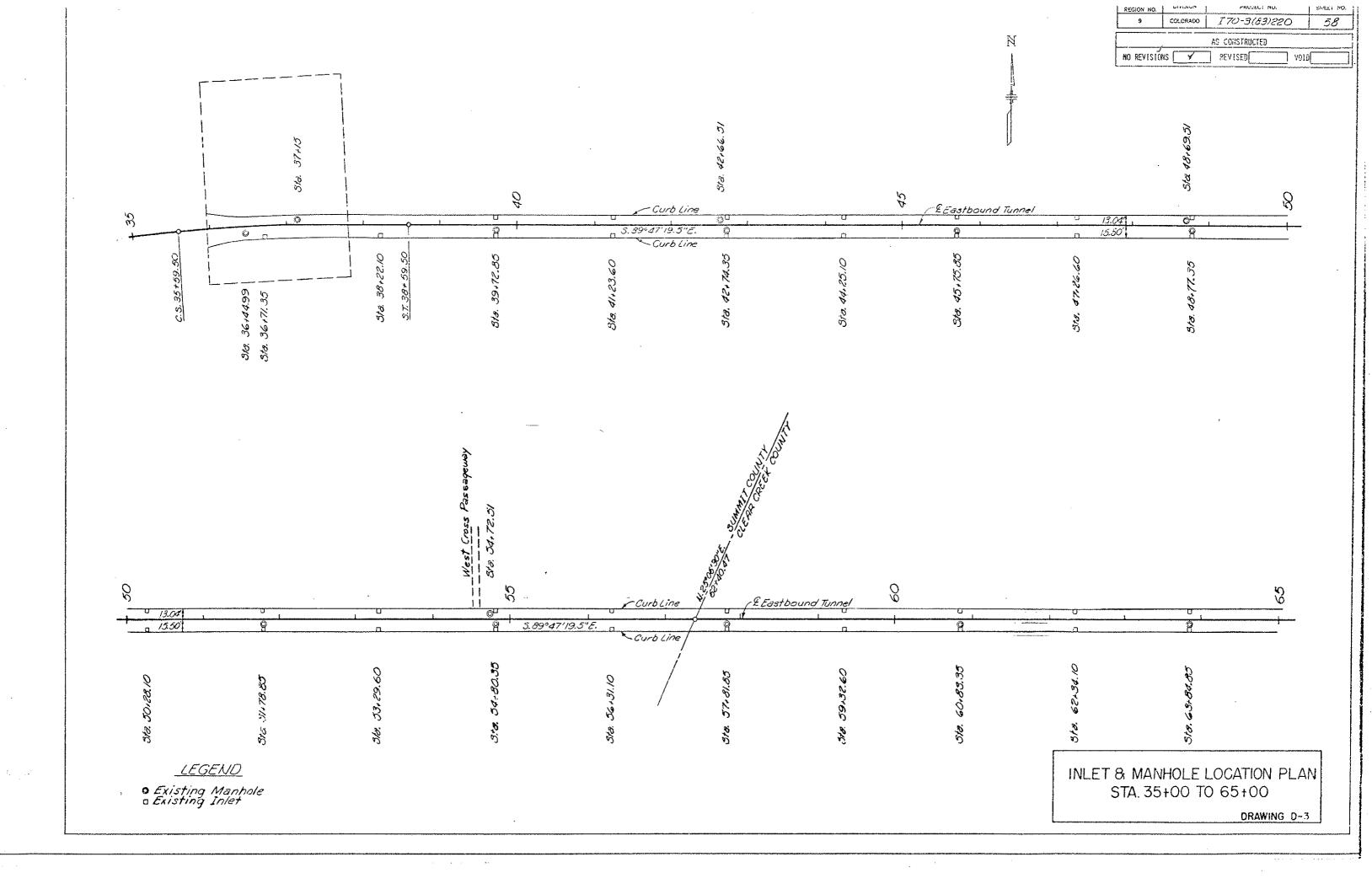


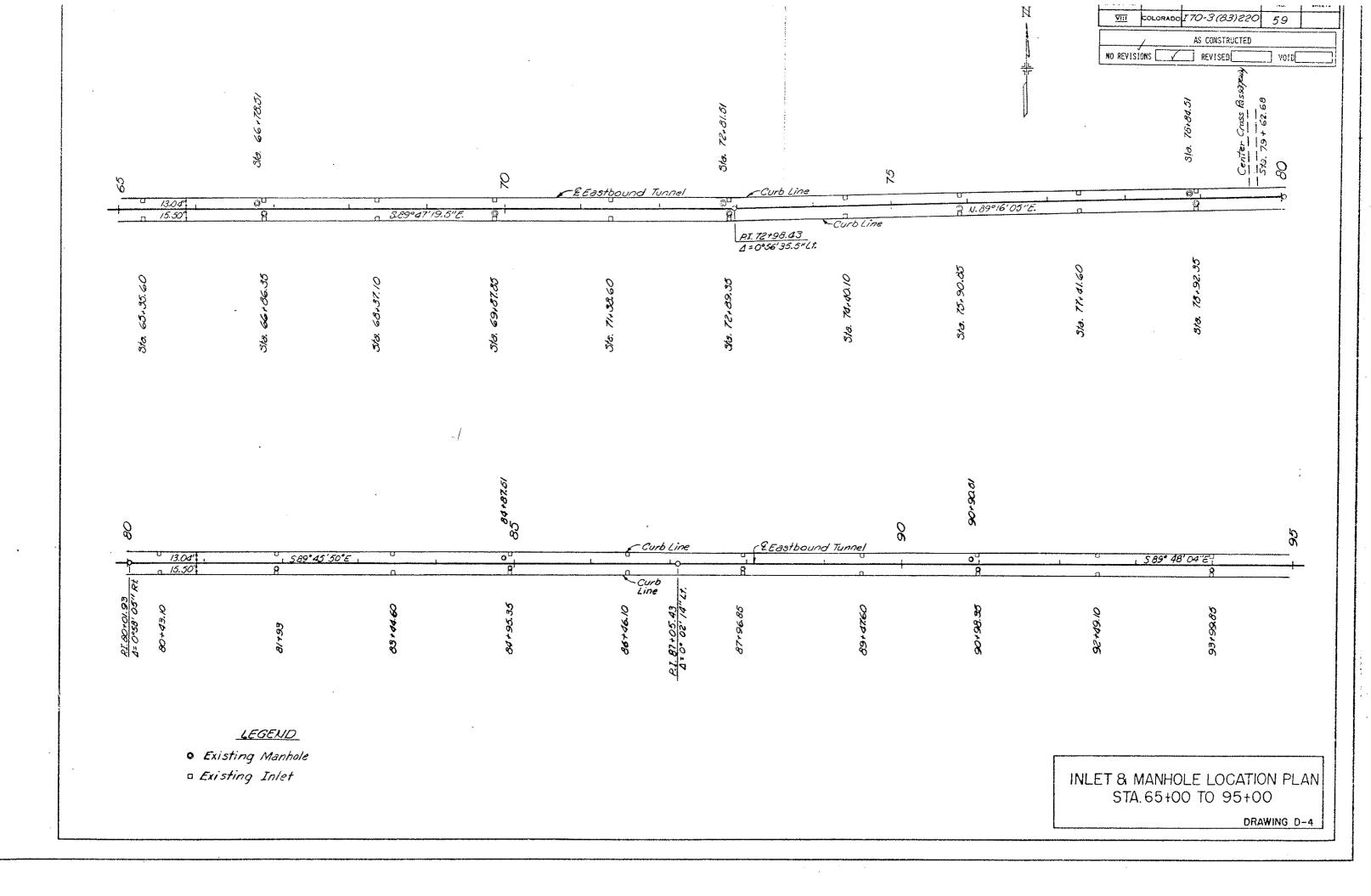


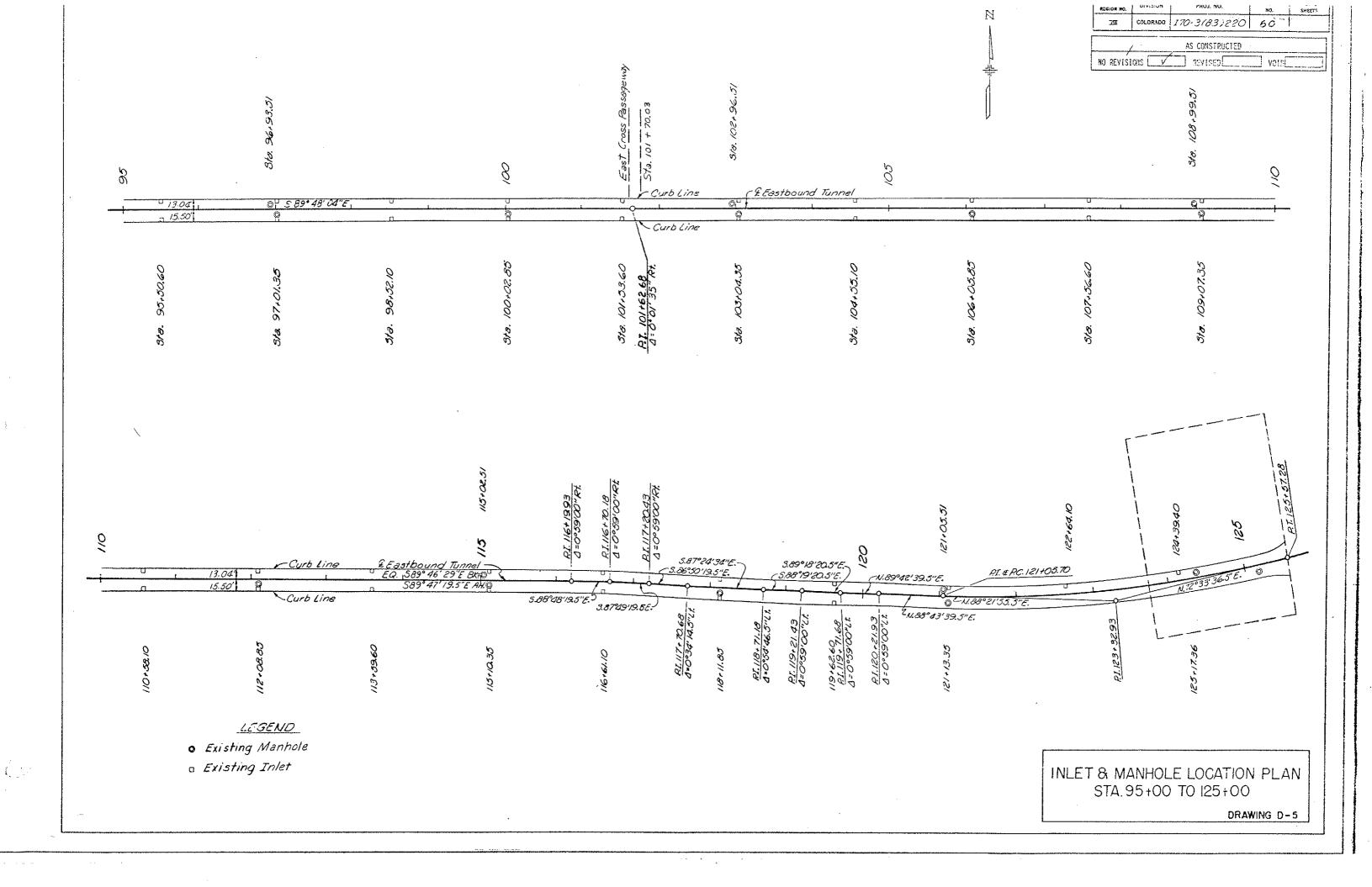


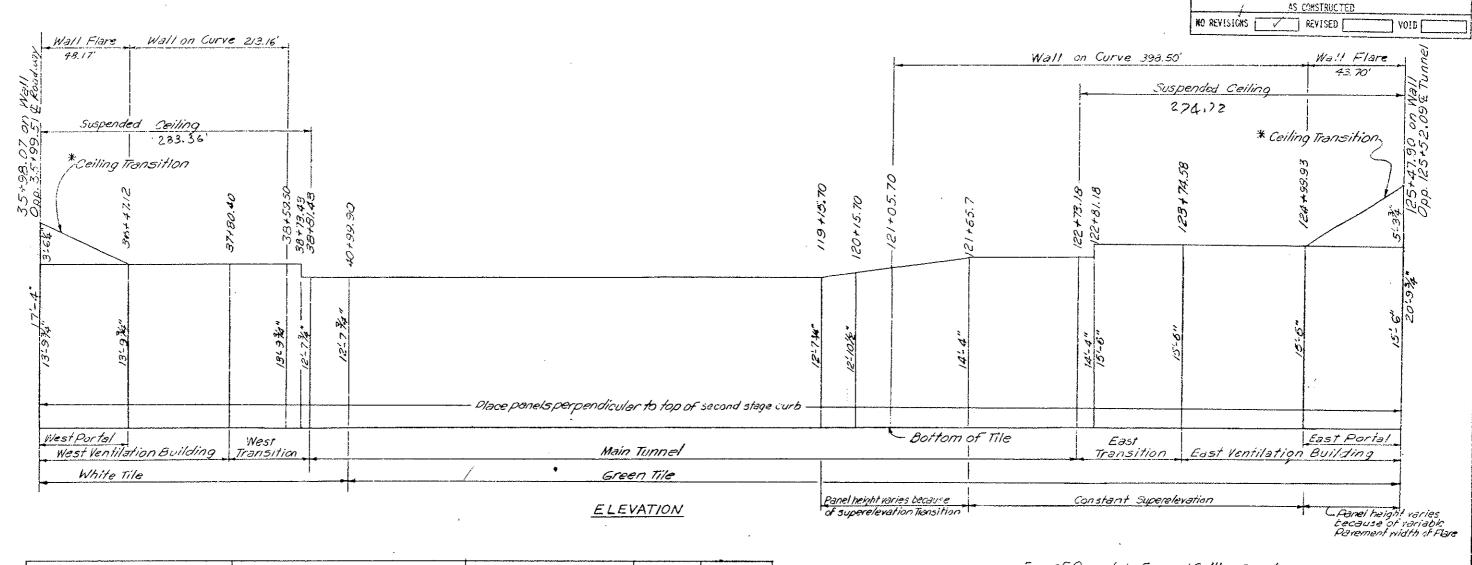








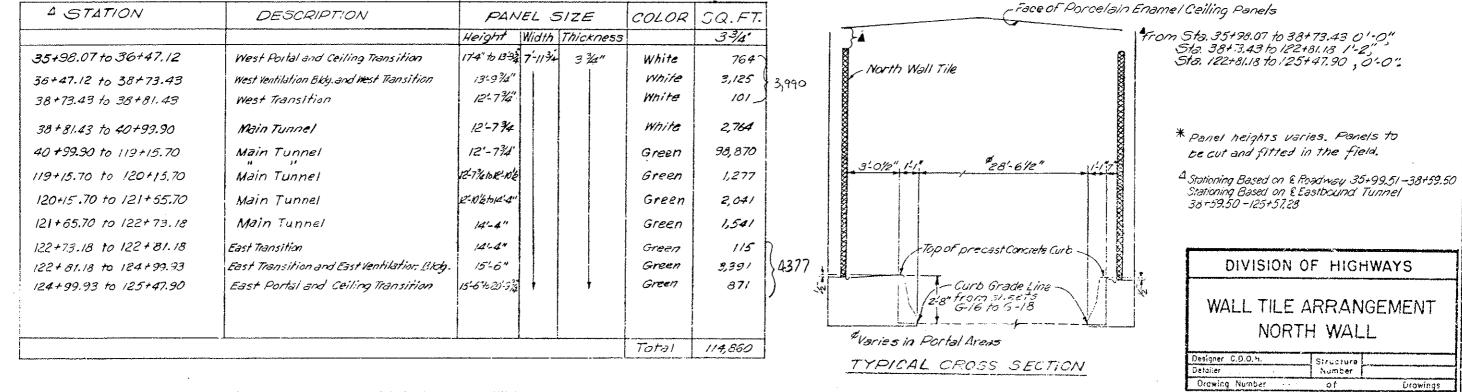


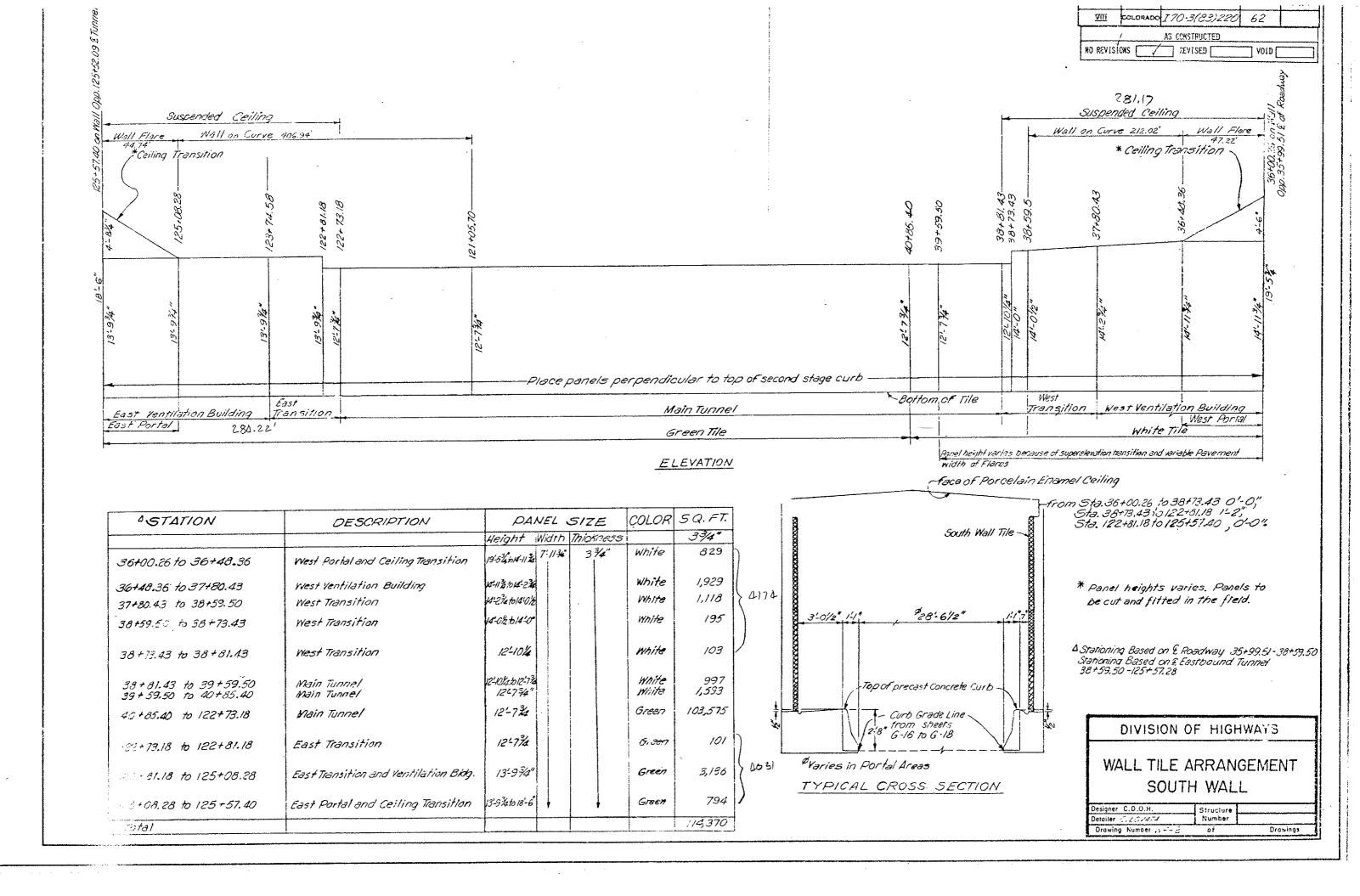


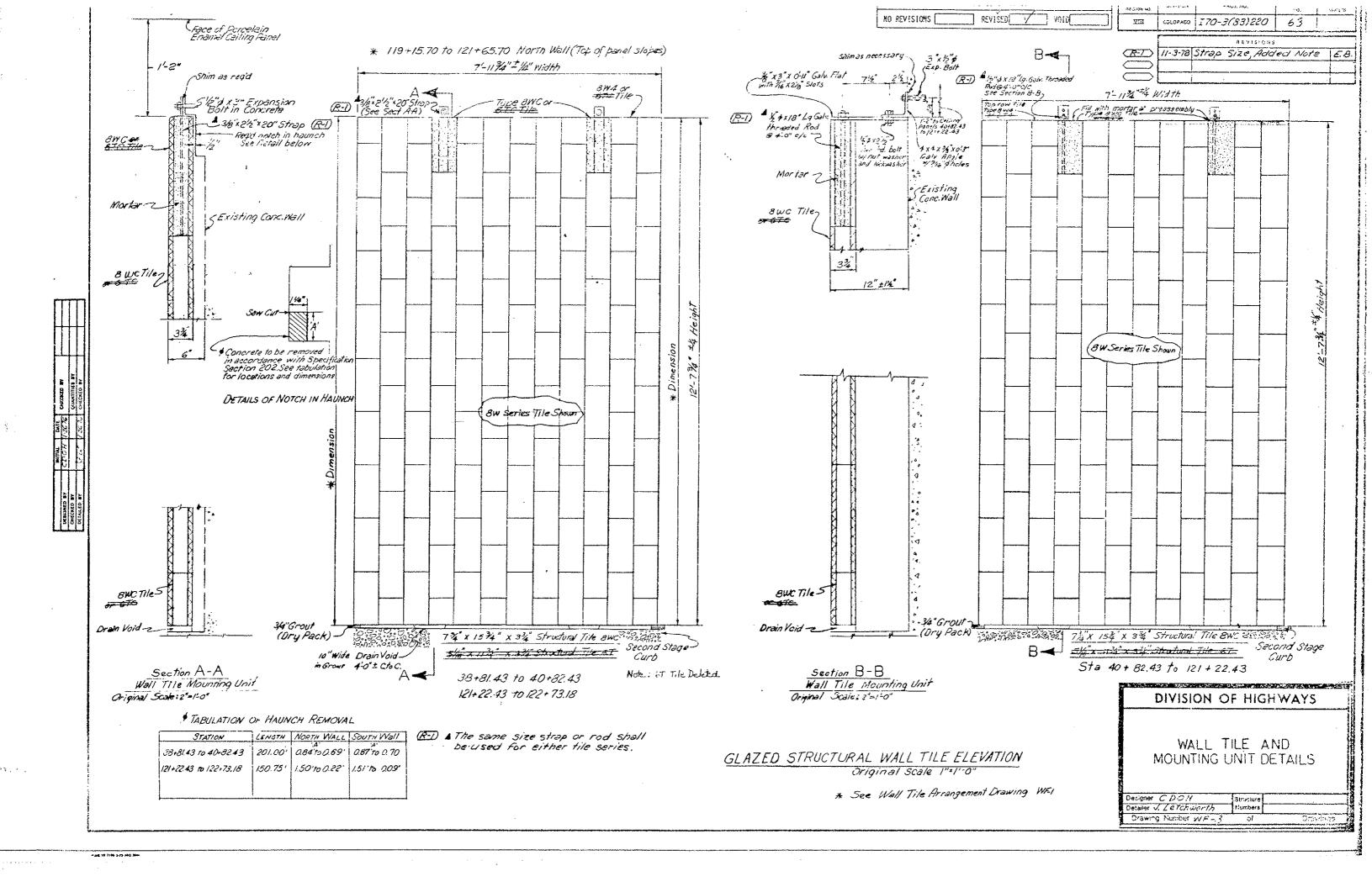
THEETS !

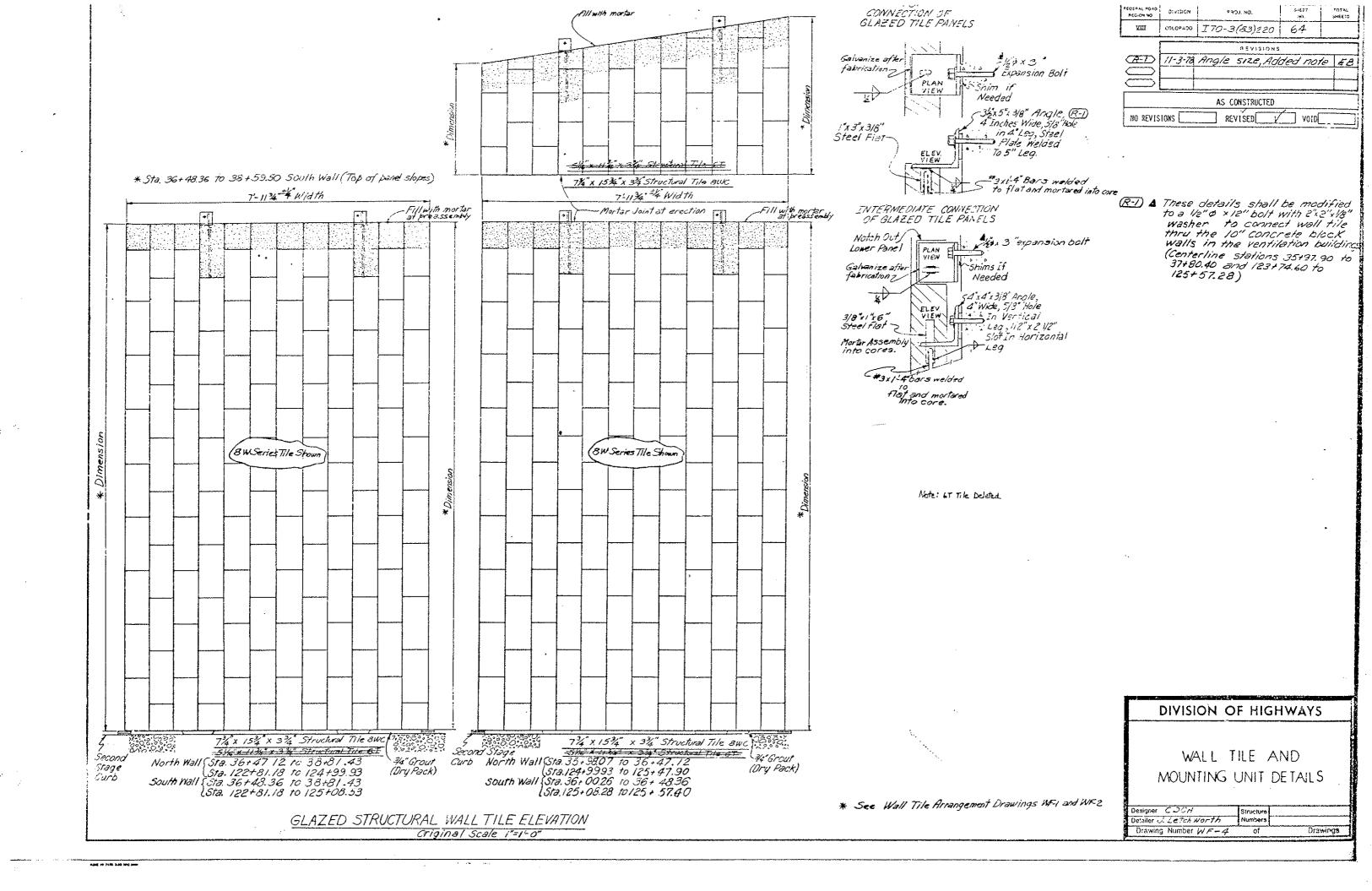
61

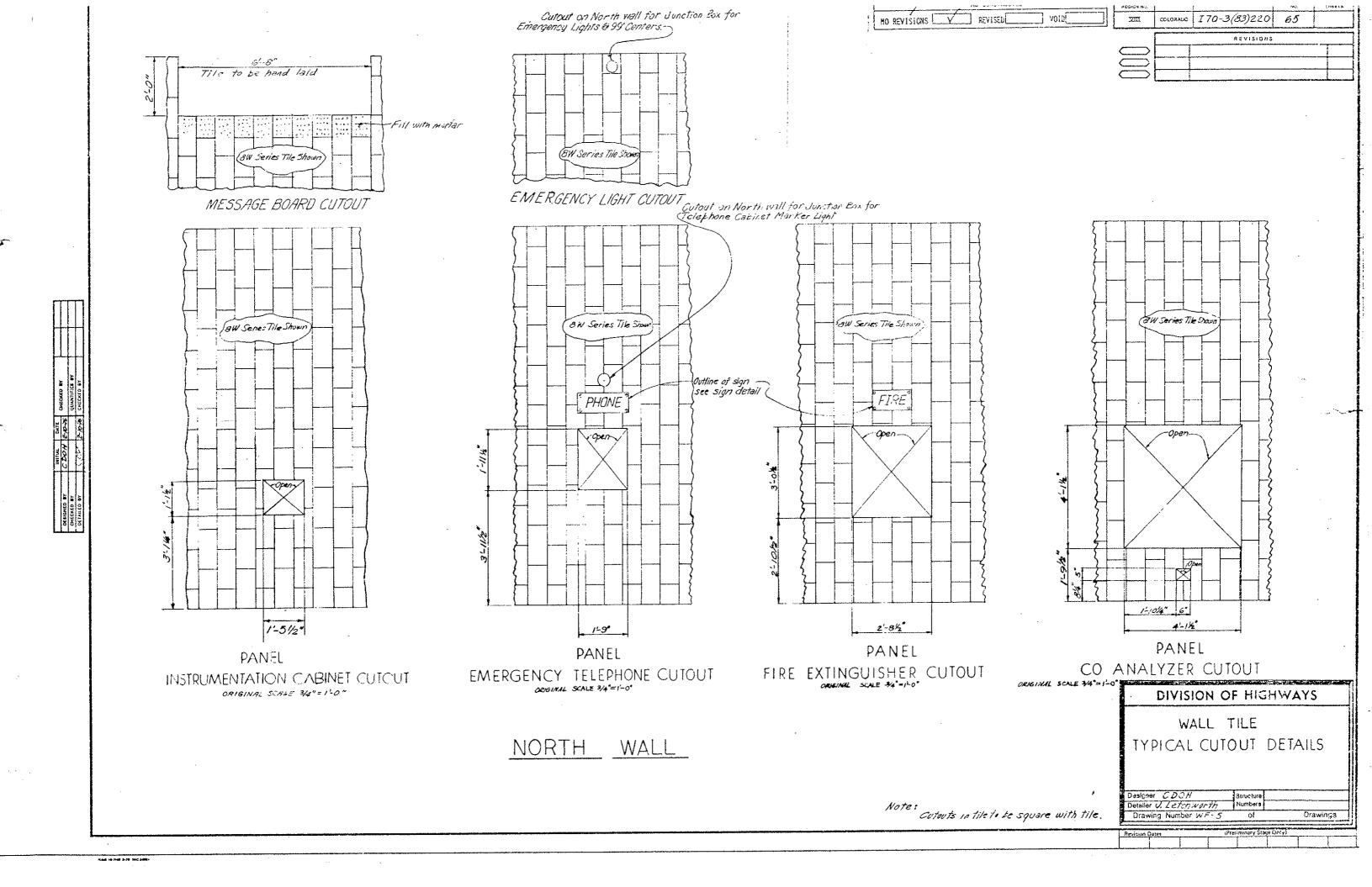
COLORADO 170-3(83)220

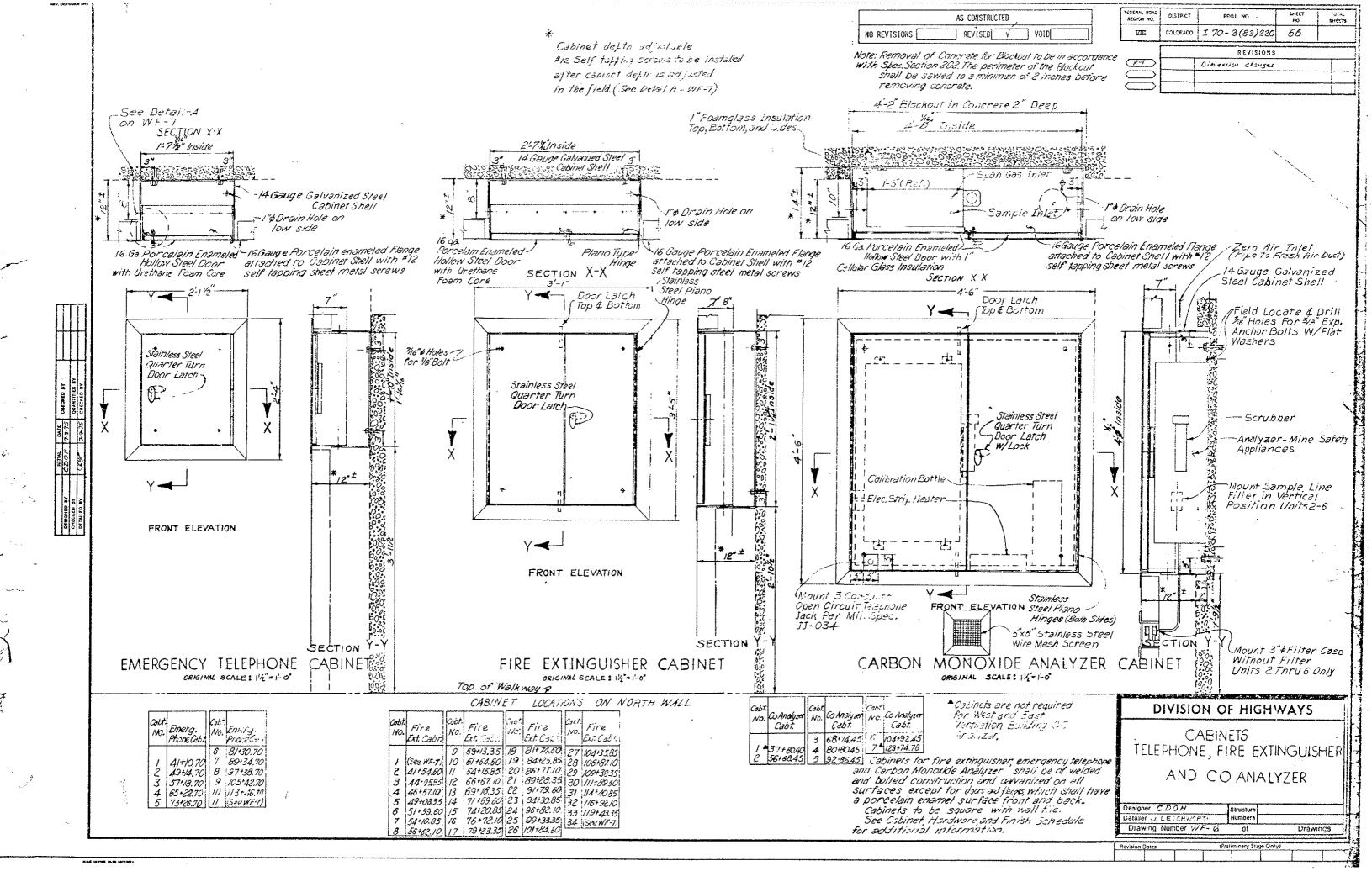


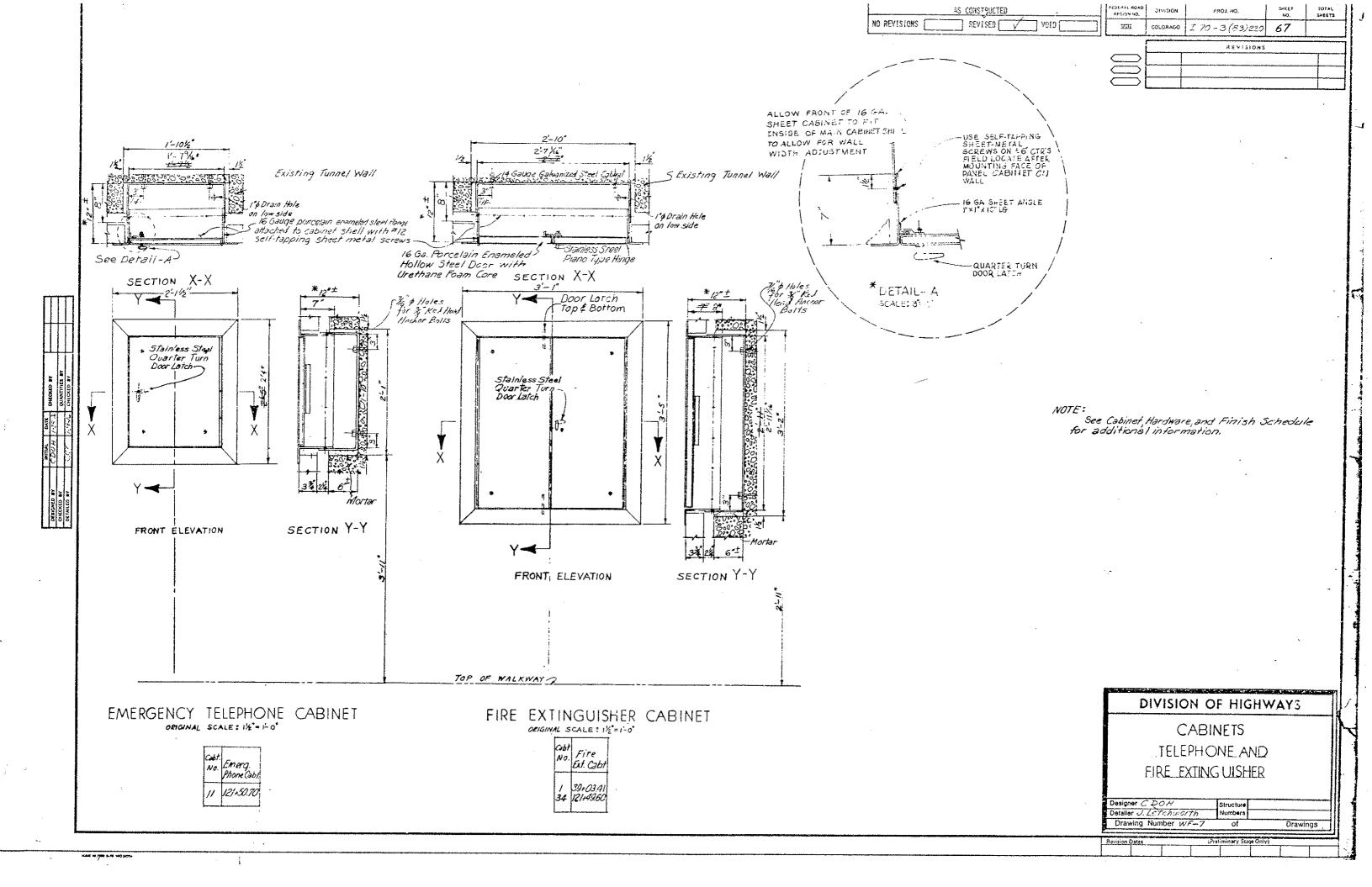


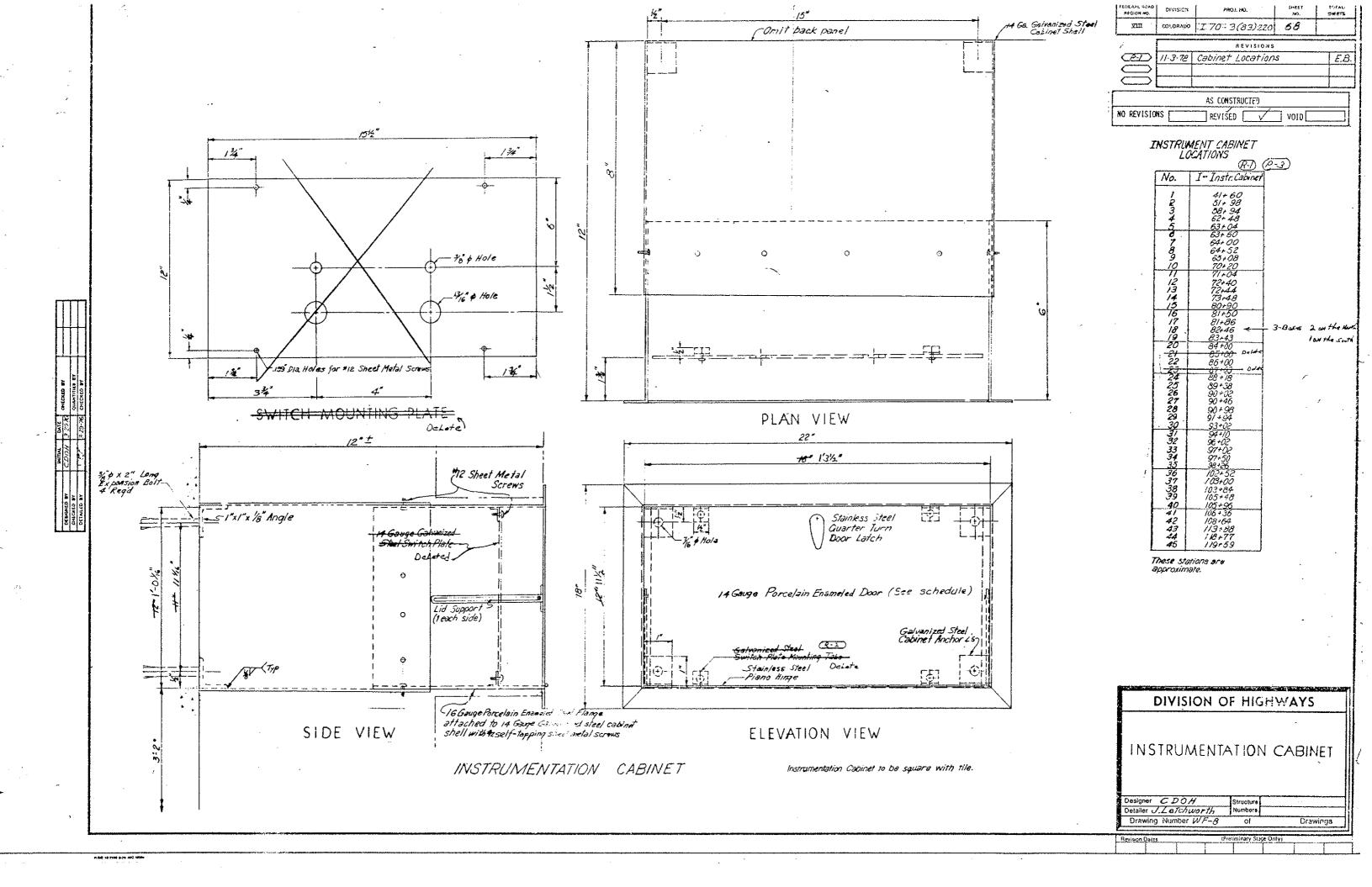


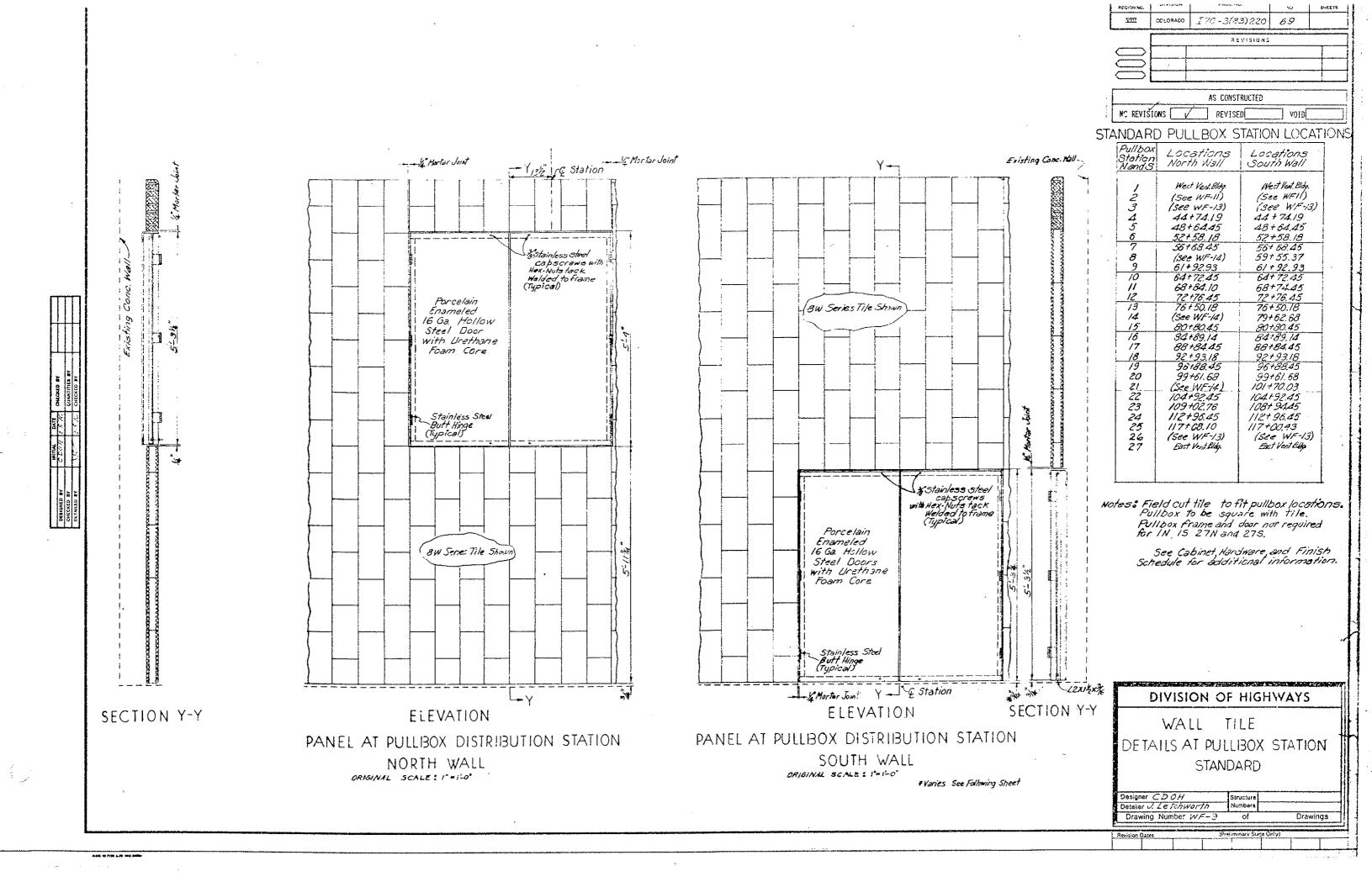


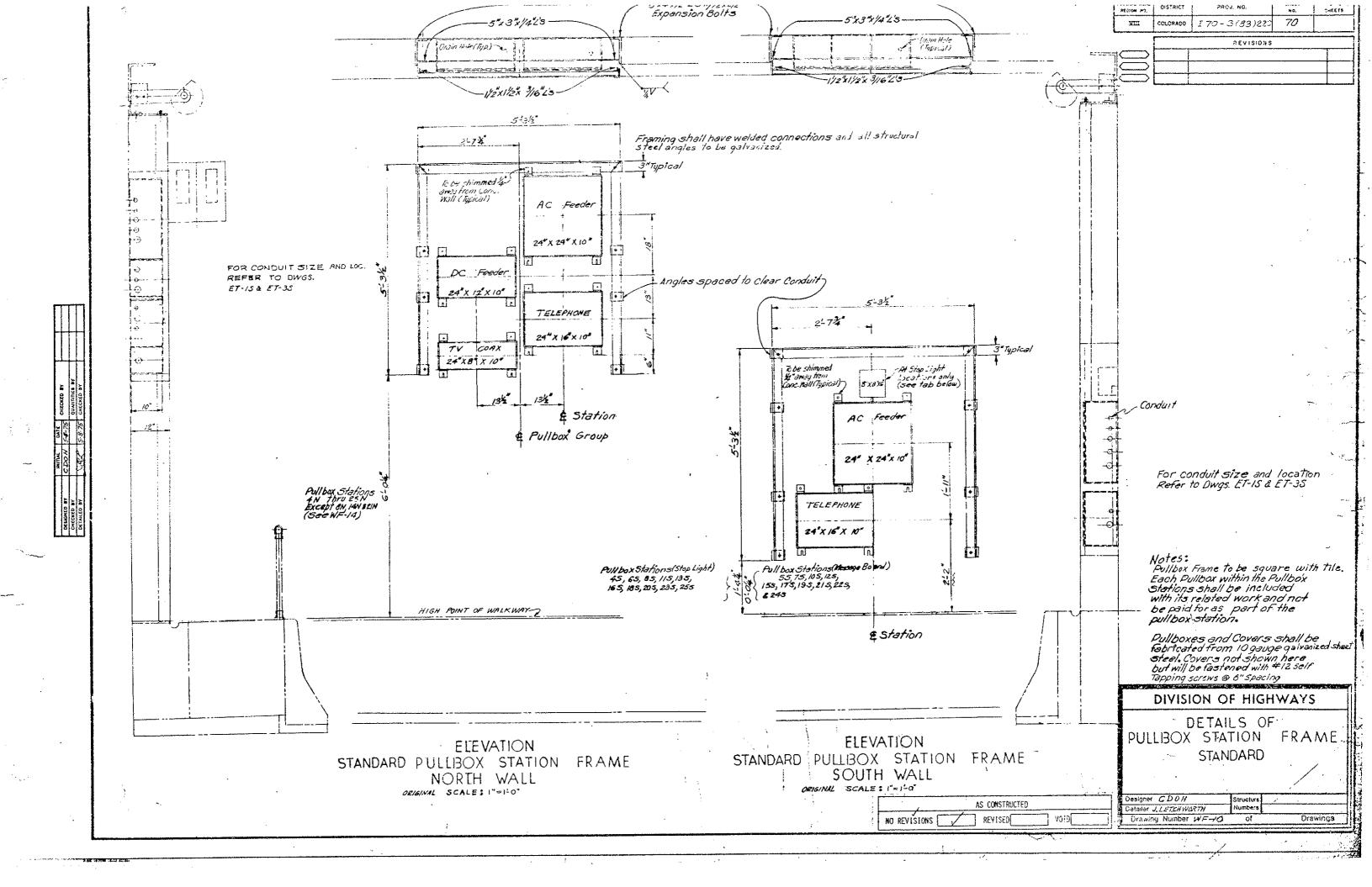


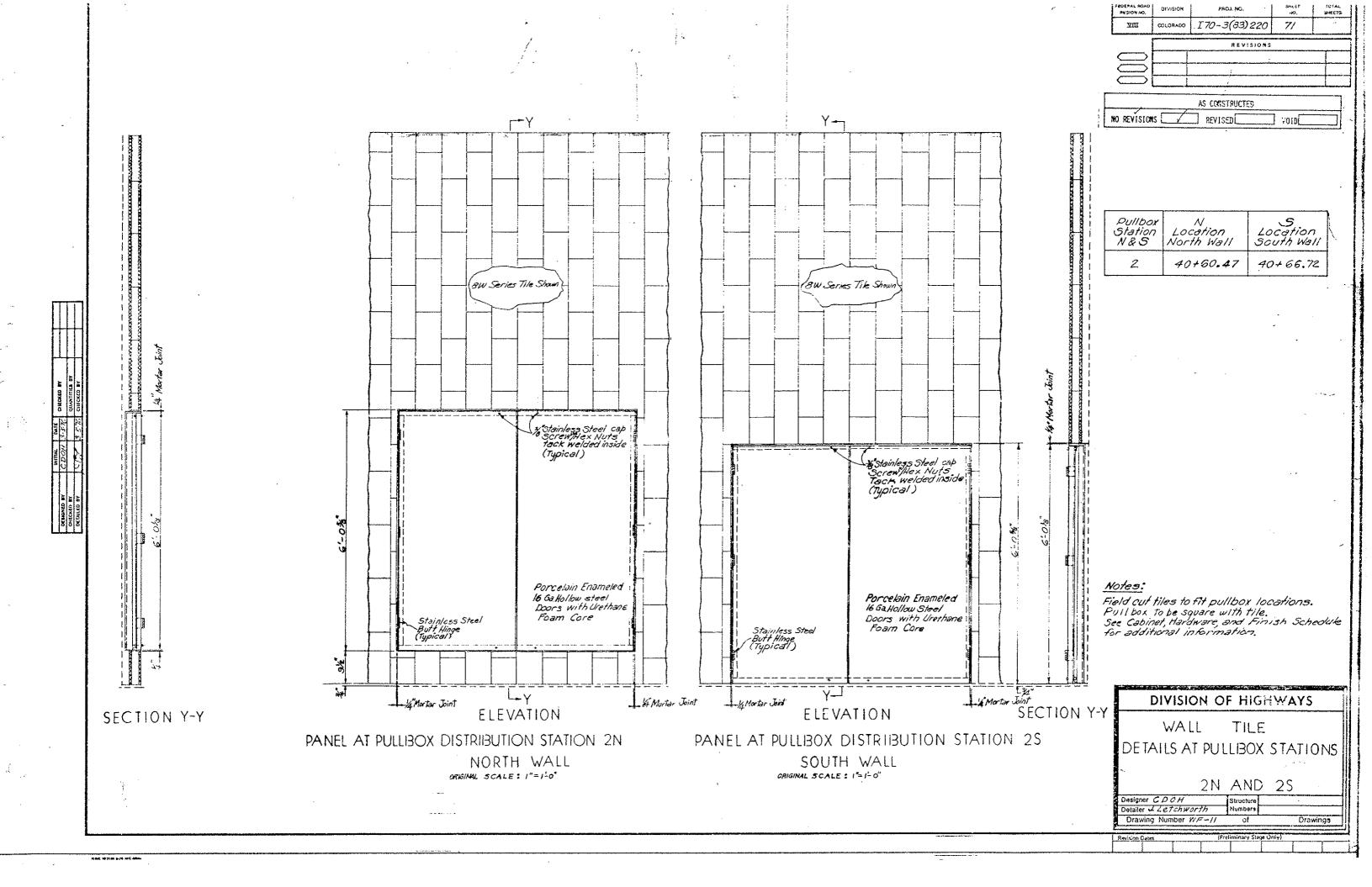


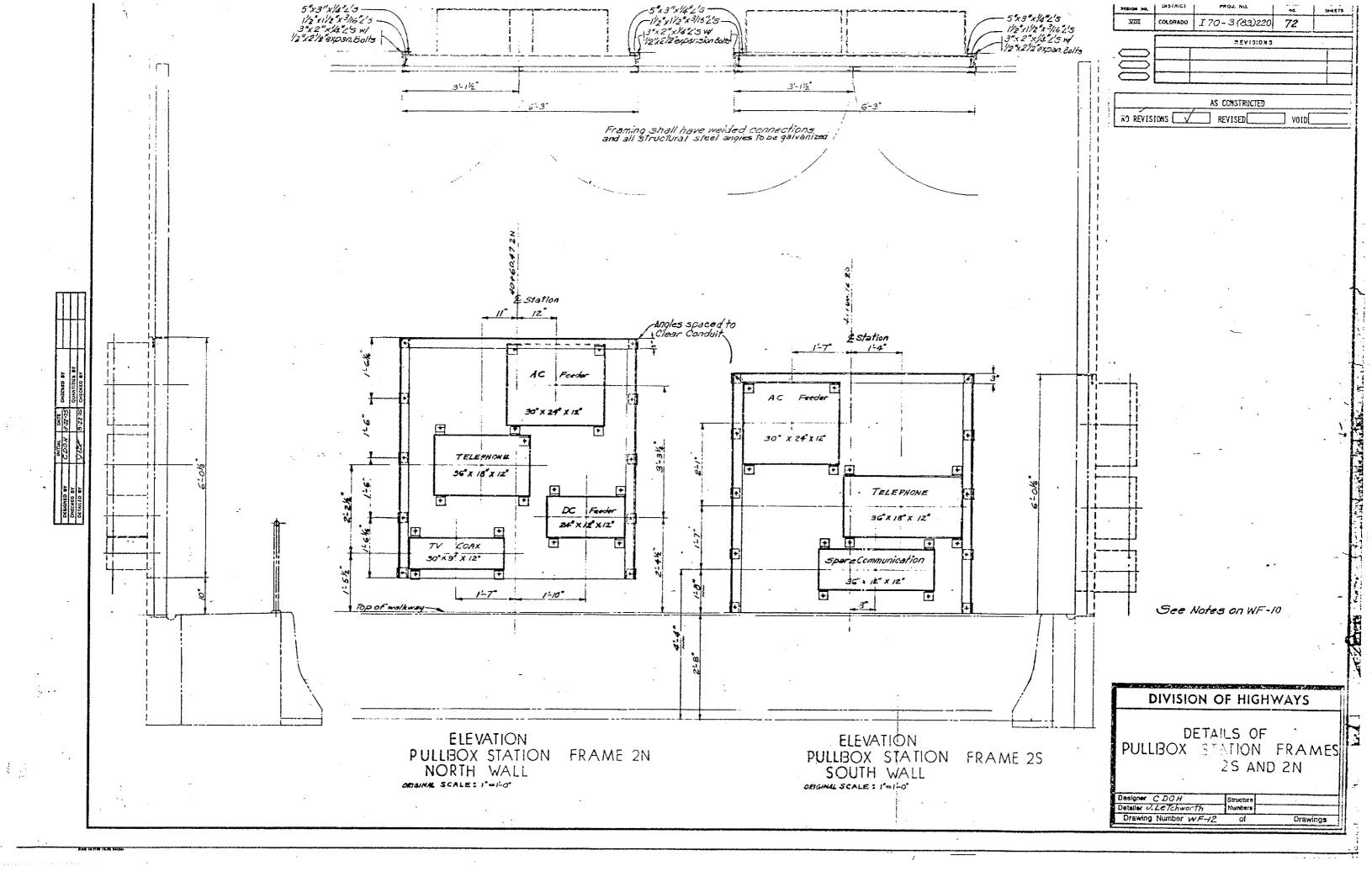


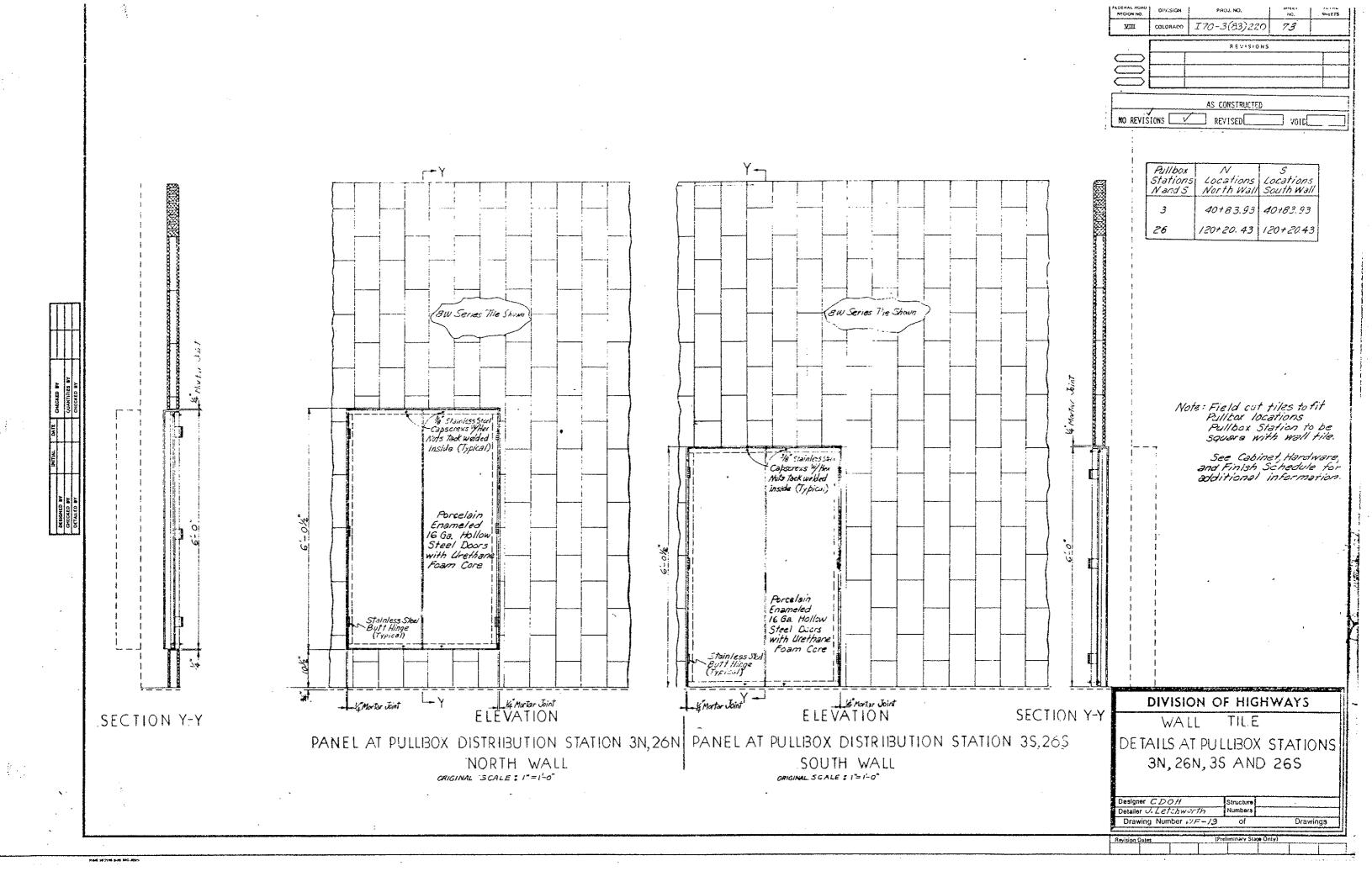


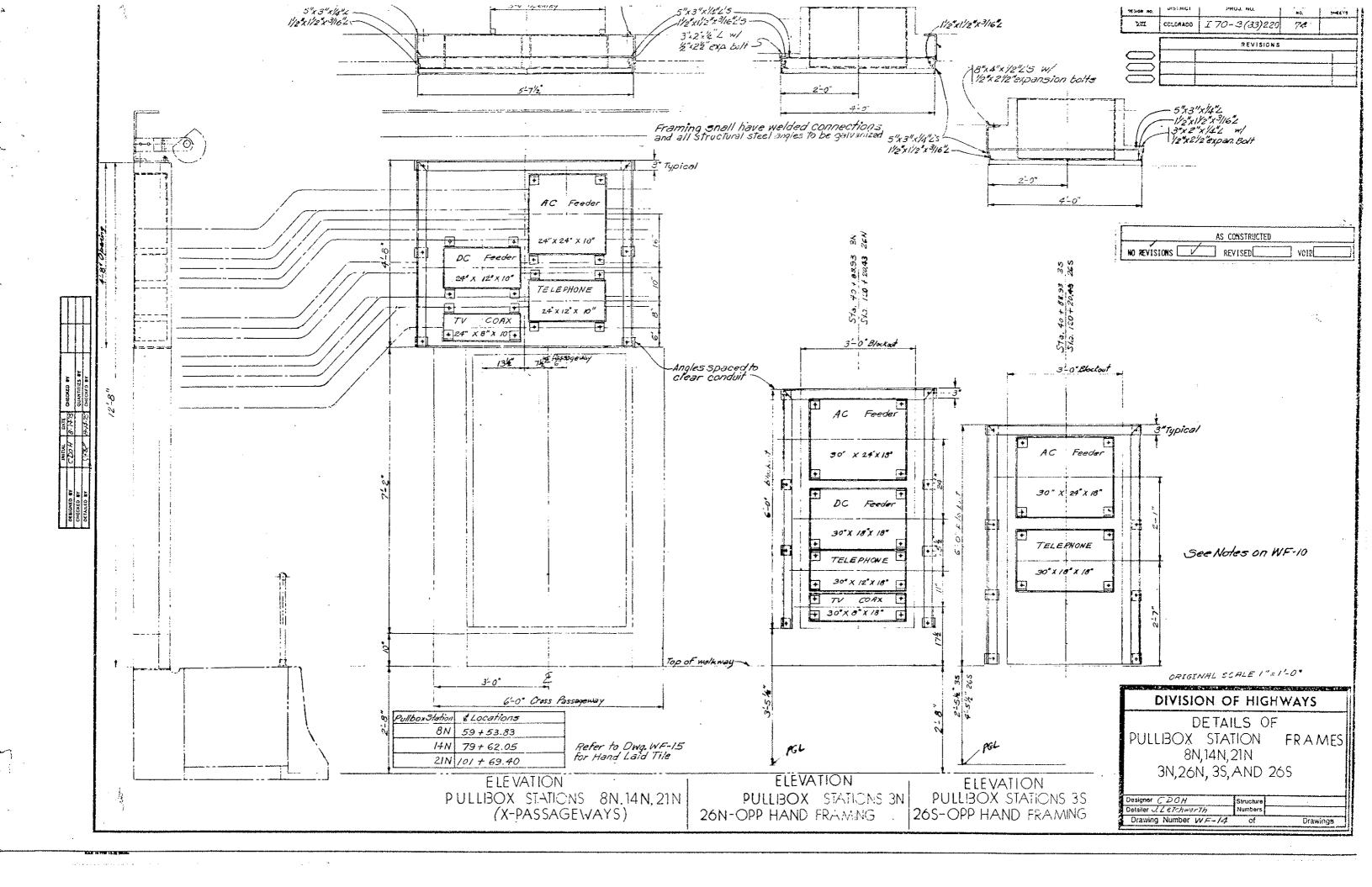


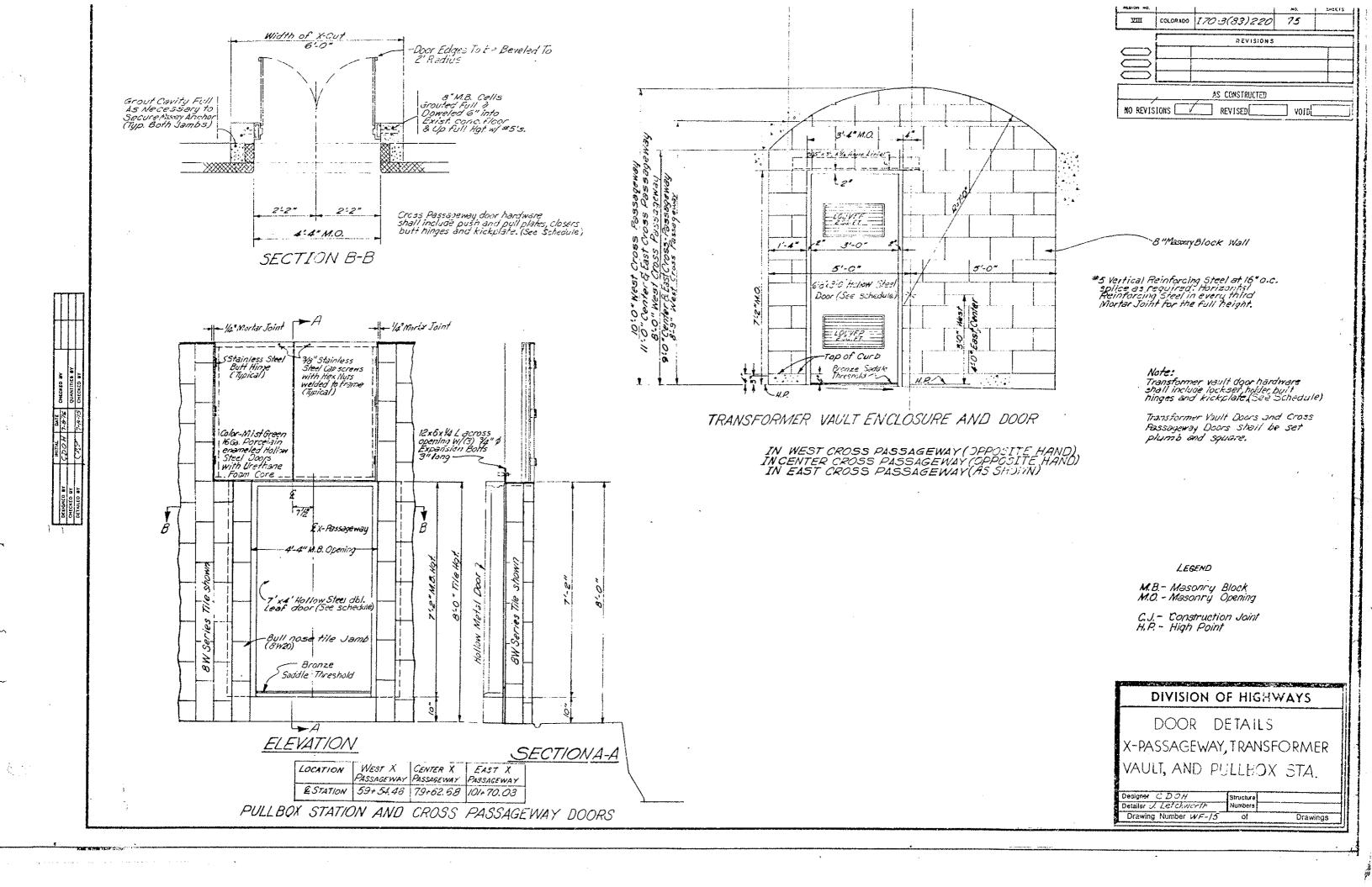


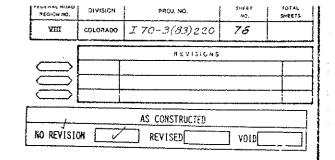


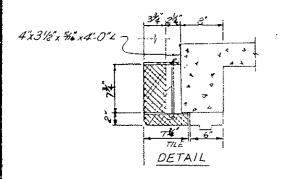


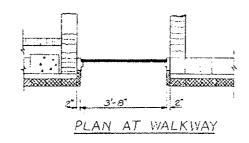


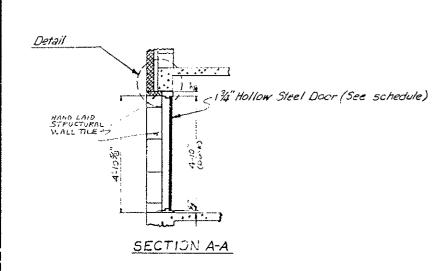


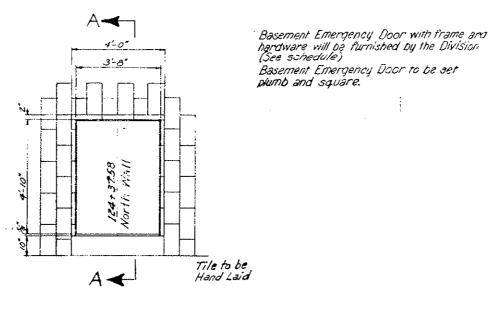






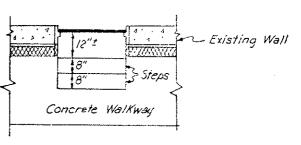




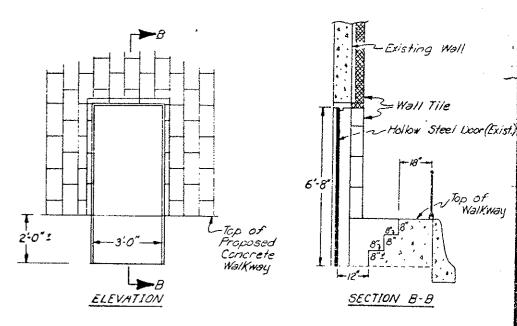


ELEVATION AT WALKWAY

BASEMENT EMERGENCY DOOR EAST VENTILATION BUILDING STA.124+37.58 NORTH WALL



PLAN



EXISTING WEST VENTILATION BUILDING DOOR APPROX. STA. 36+03 NORTH WALL

Original Scale: 1"=2'-0"

DIVISION OF HIGHWAYS BASEMENT EMERGENCY AND WEST VENTILATION BUILDING DOORS Dotailer U. Letchworth Drawing Number WF-15

Note:

All products of a specific manufacturer, listed on the schedule, are intended only to establish a standard of quality; durability and design; and shall not be construed as limiting competition.

Products of other manufacturers will be accepted provided such products are approved equal to those shown on the schedule

REJION NO.	NOISIAIR	PROJ. NO.	NO.	PHERTS
<u>VIII</u>	COLORADO	170-3(83) 220	79	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		AS COMSTRUCTED		
KO REVIŠI	C¥KS	REVISED	010V	

#### TUNNEL INTERIOR ~ CABINET, DOOR, FRAME, HARDWARE AND FINISH SCHEDULE DOOR FILLER MATERIAL DOOR FRAME HARDWARE FINISH Painting Forceion Enameling Galvanizing Sliding Door Door Type Frame Threshold Item Door Latches Lockset Push Plares Kickplare Hinges Holder or Modification Projection Prime Туре and Pulls Color Lid Support COLOF Item 6-Sanley, Life span 2-Russwin, Series, 2810 Series ita CB 1960 Bronze (US 320)445444 (S BL) Ceco, Imperial Double-Lest Ceco, \$200 Series Pusswin, Series 416 Ceco, Series SF34, Double Russwin No 1016 Galvanized Shop and Corrugaled Saddle Type Bronze and No.1838 (U.S.320) Field Primed Cross Passageway deer with Series 4-0'x 7:0" Red • • Rabbei 834's 2" 山 Door and Frame Split (U.S.320) • Standard Ga. astragal Ceco, Series SF 34, Ceco, Imperial | Two Fixed Ceco, 4200 Series 3-Stanley, Lifespan Russwin Series 418 Galvanized Shop and Field Russwin Unito: 1-Russwin Transformer Vault Series 3:0x8:-8" Stat Louvers Series, No. 563, Series, No.CB 1960 US 32D)45x 41/2" 2750 Series Corrugated Red Bronze (SBL) Ф Double Rabbet Saddle Type Door and Frame Eaton Design (US.320) Primed • Standard Ga. 834x2" (US.320) Bronze 3-Stanky, LifeSpan 1 - Russwin, Series. 2810 Series Ceco, Imperial One Laminated Ceco, Series Series Glass Window CF 34, 3-0"x 6-8" (Hair Glass) Double Rabbet Standard Ga. 1234"x 2" Cuco, 4200 Series, Corrugated Russwin, Series 418 Shop and Field Pusswin, United Ventilation Building Door and Frame Series, No. 563, Series, No. CB 1960 (US 32D)4/5x 4/2 White 中 Eaton Design (US.32 D) Bronze (SBL) Saddle Type Primed Branze Placing Basement Door, frame and hardwore furnished by the Division Field White Emergency Door Primad • I-Orbin W1000F (US250)(I"Door) 2-Stanley 1078 2-Stanley STS 3114 14" Continous Door White Fire Extinguisher Cabinet Shell Urethane $\Diamond$ Ø 9 . Flange Red Foam 21/2"bottuszc) -Corbin WIOOGA I-Stanley STS 3114 IM\*Continous Door Whyte Telephone Cabinet US26DKP Door Shall Urethane Ø Ø Ø Flange Red Foam l-Corbin 1000 A (US260) 1-Stanley STS 3114 I'4 Continous Door Instrumentation Cabinet Ø ?-Staniey CD 430 Ø Ø Shell and Flange Green • • • V-Carbin W1000 W/lock (US26D) 2-Stanley STS 3114 Ooor Cellular CO Analyzer Cabinet Ø Ø Green Shell Ø and Flange • . Glass (1"Door) 2-Stanle 14° Continous

6°Stanku

(บริสิวิต)

3" x 2 1/2" 2-Starley , Plain Hinge No. 850, Size 3" x 3"

Mon swaped

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•

2-Stanley CD 432

> \* : \$4.

> > Gatyanized

F/9/

Shown	on Ceiling Series	<b>Drawings</b>
A None	convicad	_

Detailed on plans

k Sliding Bulkheed Door

Pullbox Station

\* Ouct Access

Hatch Door

\* Duct Divider Wall Door

Determined by Door Type

Door shall be as shown on plans and similar to Mode! 2/1-8-1, pressure door as manufactured by Julius Mock and Son, Inc., Brooklyn, N.Y.

Ø

Ø

Ceco-Fire Door,

Omega Series (Hollow Metal Ø

Ø

Ø

Ø

 $\infty$ 

Suitable dogging device as manufactured by Julius Mock and Son, Inc.

$\infty$	Sliding door hardware shall consist of one
	No. 240X Track, two No. 244X Hangers, one
	No 306 Pull, one No. 305H Pull, three No. 173
	Binders, and one No.367 Stay Roller; All
	galvanized and as manufactured by The Allith
	Corporatin, Banville, Illinois.

101825 bottles20,

(X)

DIVISION OF HIGHWAYS

Insulation

Urethane

Foam

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TUNNEL INTERIOR

CABINET, DOOR AND HARDWARE

SCHEDULE

Designer C.D.O.H.

Detailer D. Bevard

DESIGNER NUMBER WE-19

Door

•

•

Primed

Green

Frame

Door

and Frame

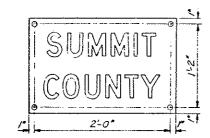
Door

and Frame

•











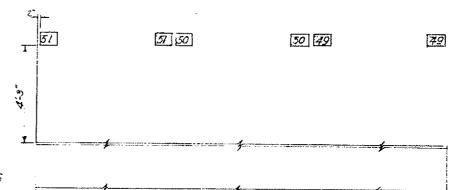
PORCELAIN ENAMELED SIGNS ORIGINAL SCALE 11/2"-1-0"

Ainch Capital Letters Thall Be Red For "PHONE" and "FIRE", and BEACK For "PHONE" and "FIRE", and BEACK For The Remaining Signs A White Background Is Pequired For All Signs Stainer Sir of Somus Shall Factor The 15 Garge Steel Signs To The Tile Wall. Lead Expurise In The Wall.



SIGNS FOR SEGMENTS ! THRU 167 (334 Total)

3" Black Letters on White background for Segment Designation Signs



NO REVISIONS

TABULATION OF SIGN LOCATIONS (For information only)

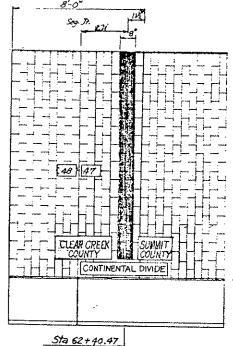
/	VORTH	WALL
[		Τ0

39+03+1 4 +  0.70	/	VORTH	I WALL
2 41+5460 49+14.76 3 44+0595 57+18.76 4 46+57.10 6572.76 5 49+0835 73+26.70 6 51+59.60 81+30.70 7 54+19.35 89+34.76 9 59+13.35 105+42.76 10 61+64.60 1/3+46.71 11 64+15.95 1/21+50.76 12 66+67.10 13 69+18.35 14 71+69.60 15 74+20.85 16 76+72.10 17 79+23.35 18 81+74.60 19 84+25.85 20 86+77.10 21 83+28.35 22 91+79.60 23 34+30.85 24 96+52.10 25 99+3-35 26 101-94.60 27 104+35.85 28 106+57/10 29 109+33.35 30 1/1+39.60 31 1/14-96.85 32 1/6492.10 33 1/1943.35	Sign N <sup>IE</sup>	_	
31  14+40.85 32  16+92.10 33  19+4335	1234567891011213141516718192021223425267	39+03.41 41+54.60 44+05.85 46+57.10 43+06.35 55+59.60 55+19.35 61+64.60 64+15.95 71+63.60 74+20.85 76+72.10 79+23.35 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60 81+74.60	41+10.70 49+14.70 57+18.70 65+22.70 75136.70 89+34.70 97+38.70 105+32.90 1/3+46.70 1/21+50.70
	32 / 33 /	114+40.85 116+9210 119+4335	

SOUTH WALL

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)

ELEVATION - SOUTH WALL NORTH WALL TYPICAL LOCATION OF SEGMENT SIGNS



28QJ, NO.

I 70 - 3 (83) 220

REVISIONS

78

FEGENAL ROAD REGION NO.

VШ

AS CONSTRUCTED

**Q10V** 

REVISED

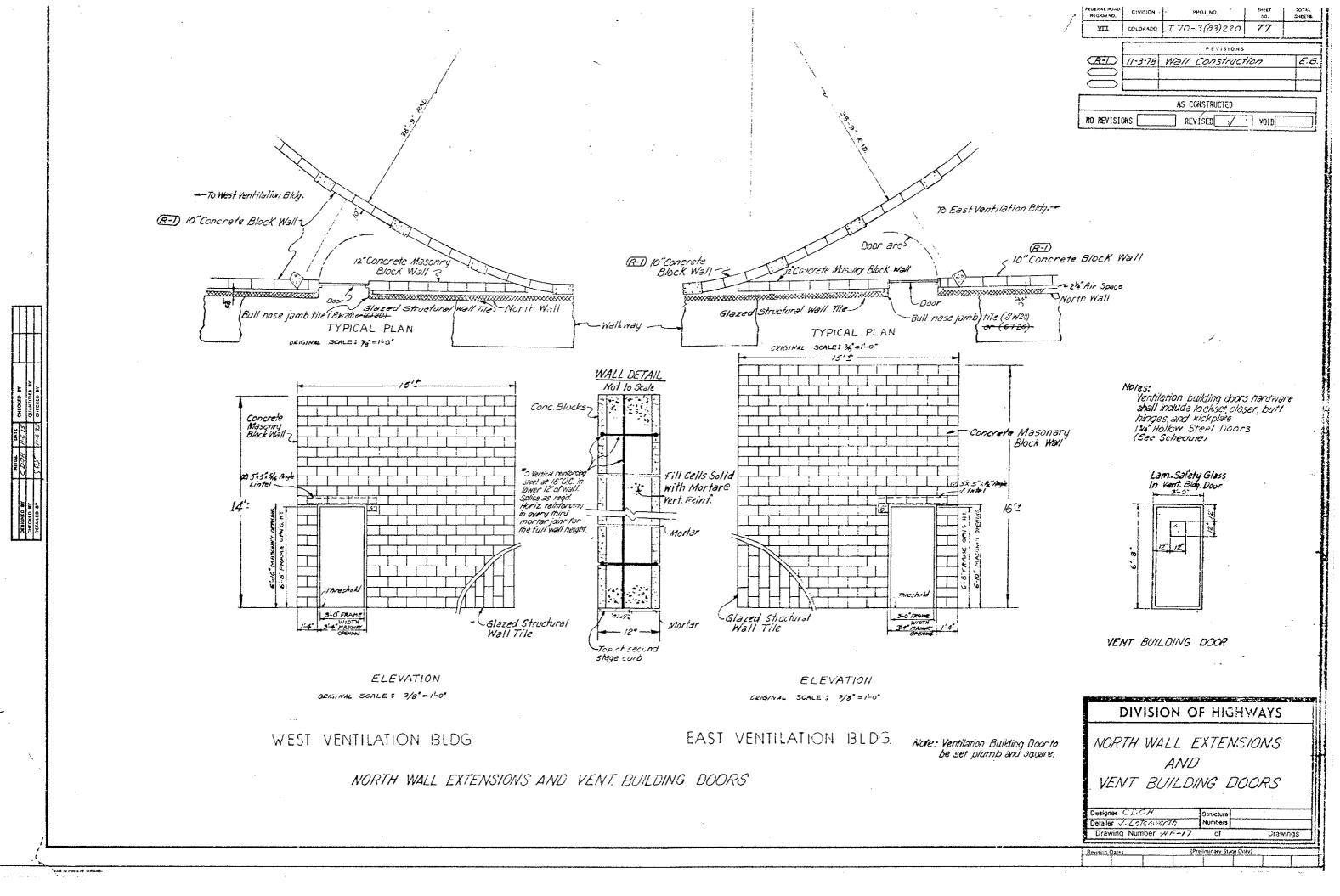
ELEVATION - SOUTH WALL CONTINENTAL DIVIDE MARKER DRIGINAL SCALE 3/8" =1-0"

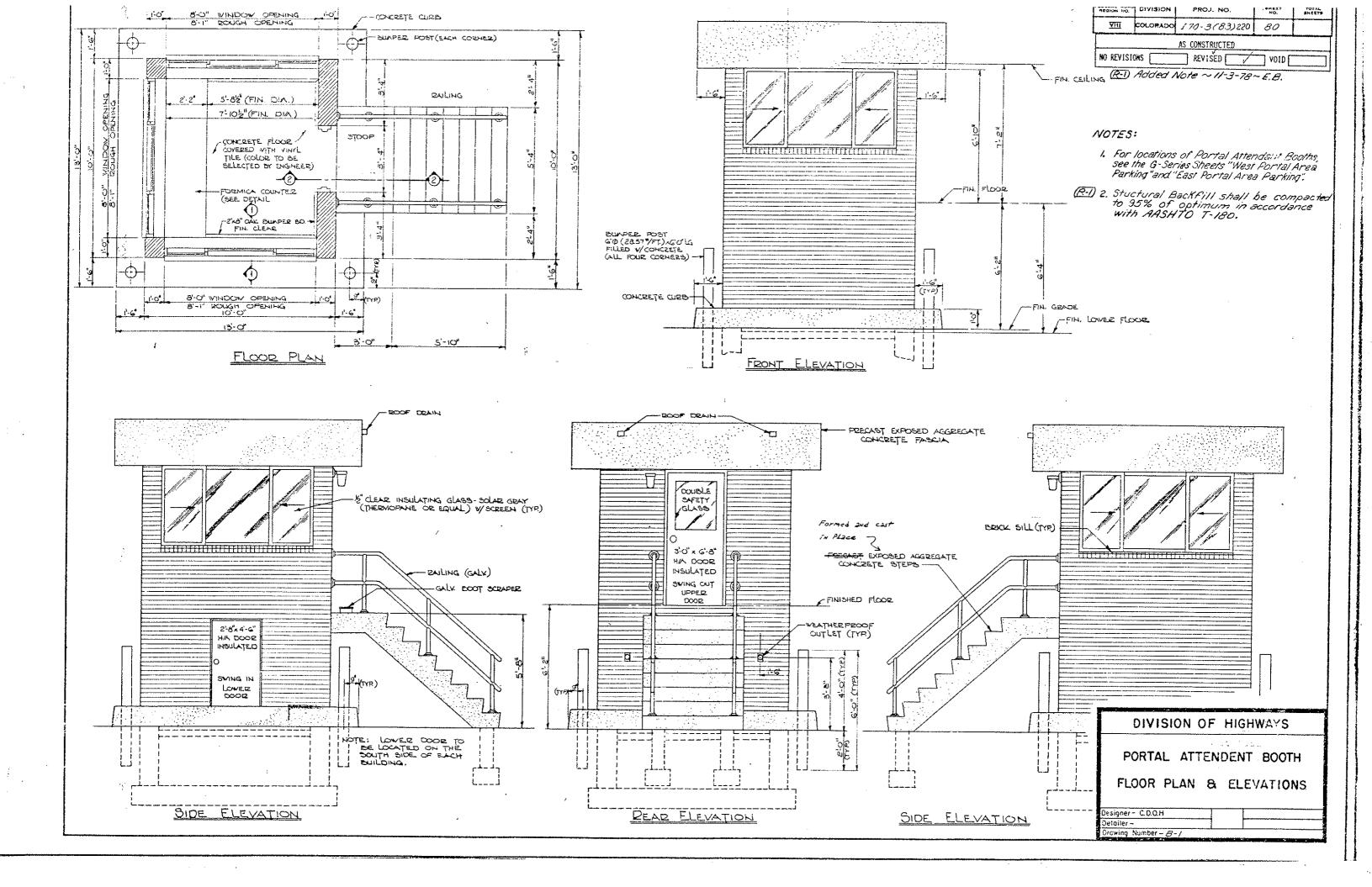
The black porcelain enameled strip shall be placed on the South Wall only. This steel strip shall conform to the requirements of and be included in the lump sum payment for "forcelain Enameled Signs"

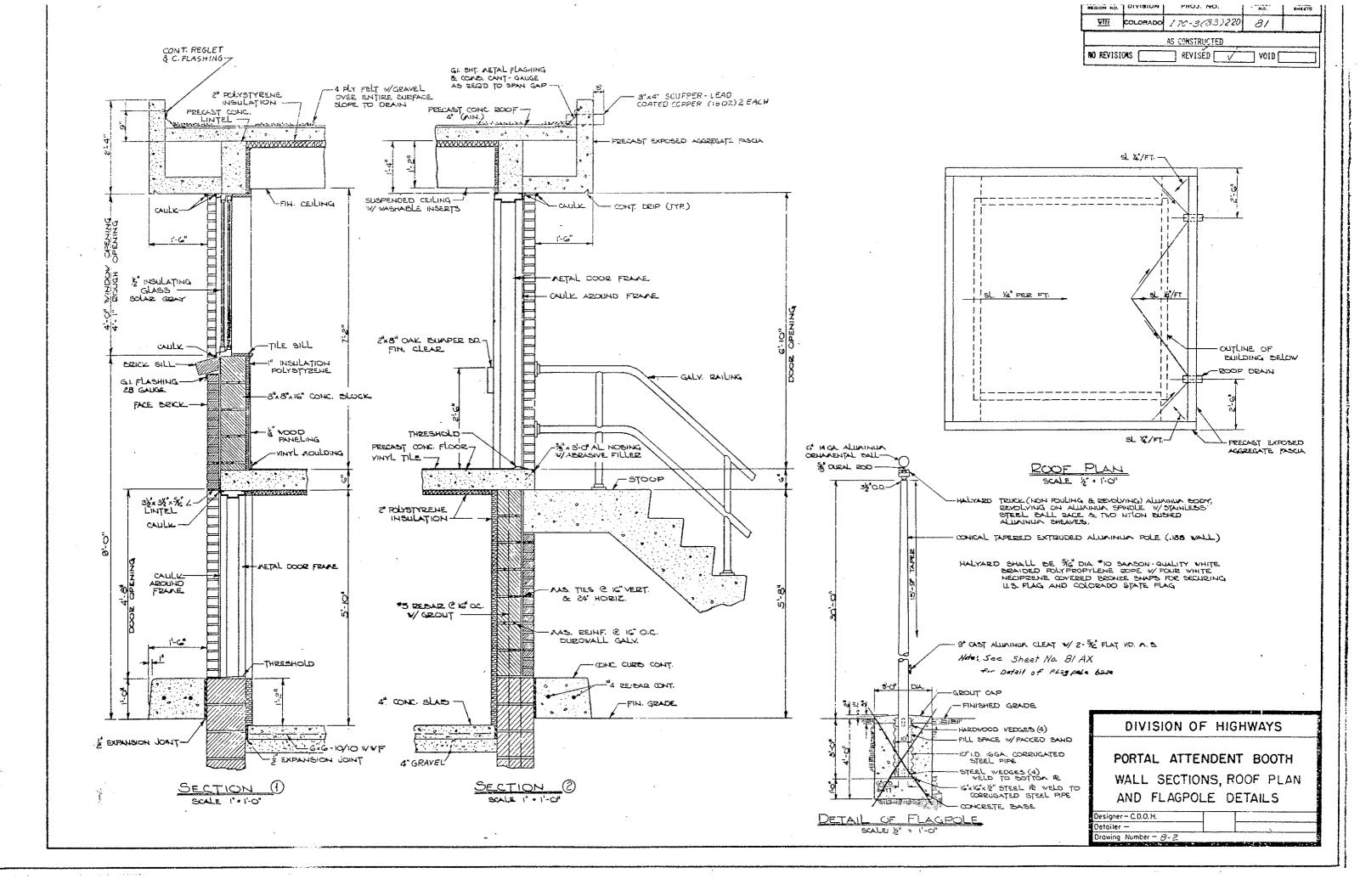
# DIVISION OF HIGHWAYS

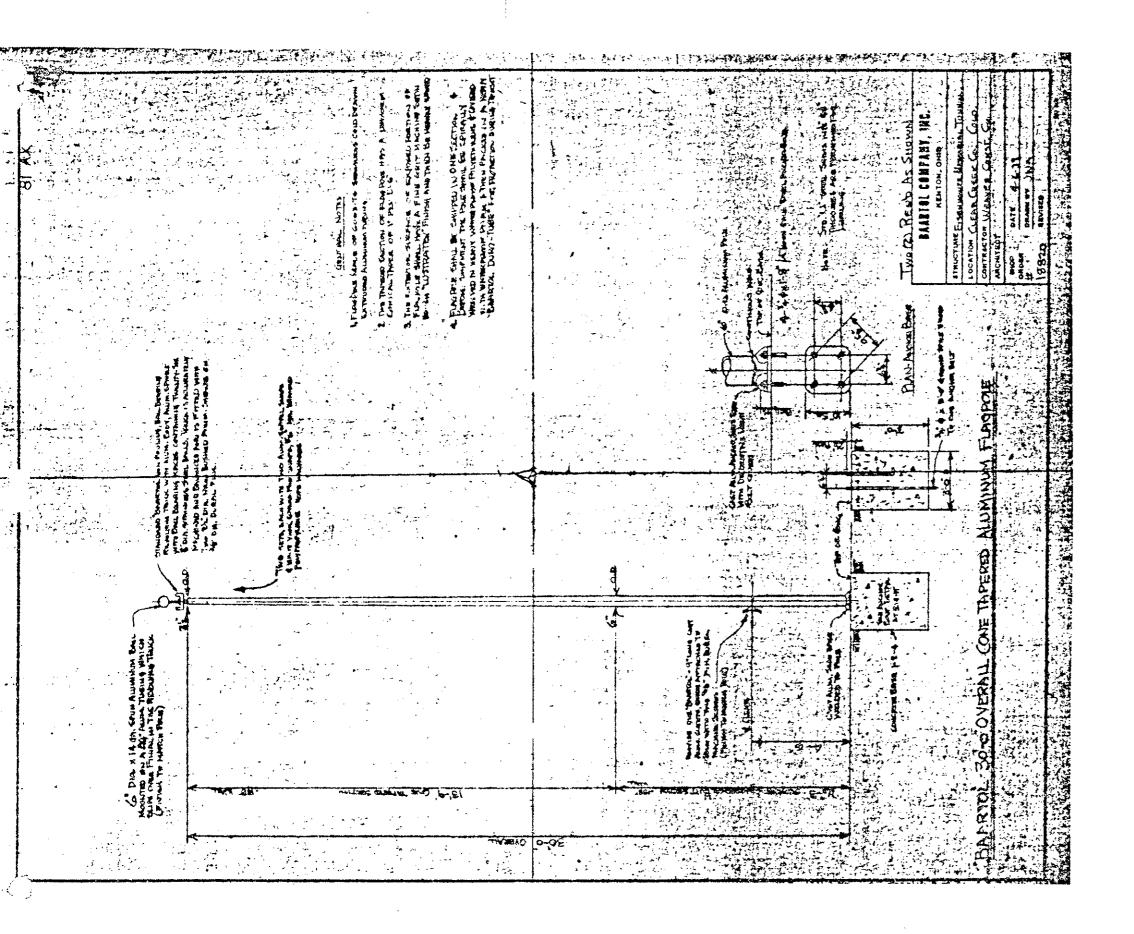
MISCELLANEOUS SIGN DETAILS

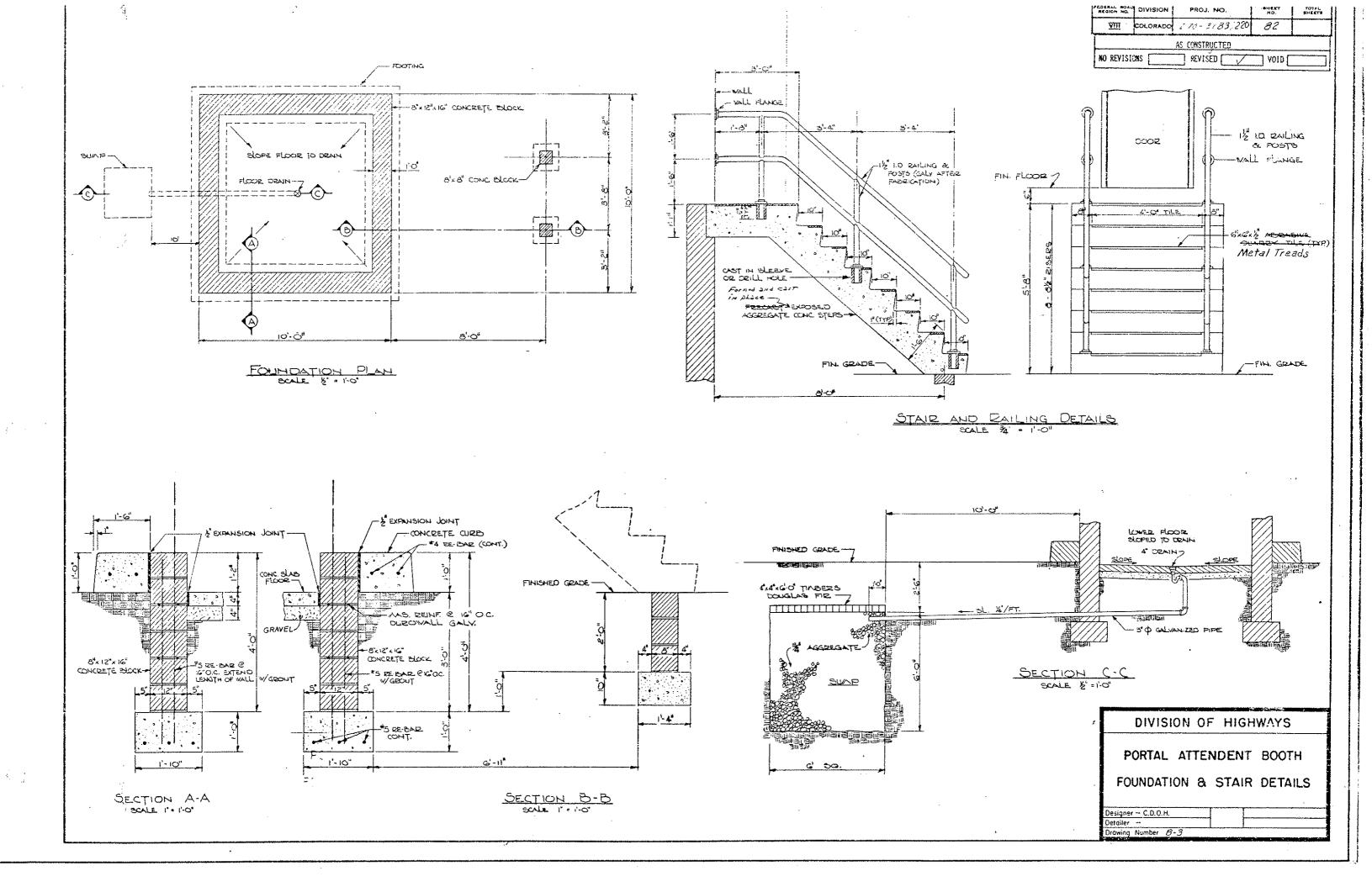
Designer CDOH Detailer J. LeTchworth Drawing Number WF-/8 Drawings

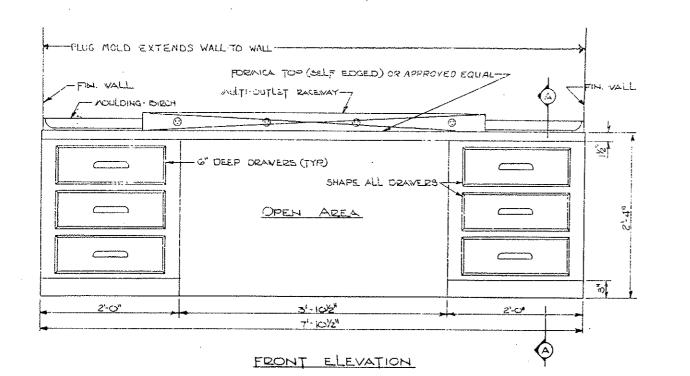


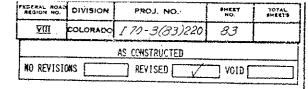


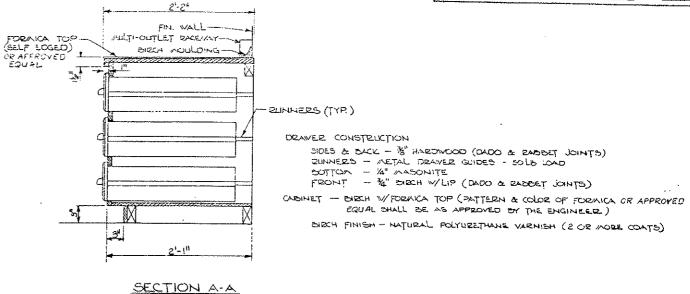












COUNTED CABINET DETAILS

## DOOR SCHEDULE

,TC .	DC	02	FRAME			· HARD	WARE.				FINISH	
ITEA	TYPE	MOD.	TYPE	THEESHOLD	LOCKSET	LICKPLATE	HINGES	೧೯೧೯	HOLDER	PROTECTION	PRIME	acko
DOOR LTOOK NEWERS	CECO IMPERIAL SERIES 3'0"x6'-8" 18 GA.	HALF GLASS BY SOCIAR GRAY INSULATING TEMPERED GLASS	CECO SECIES SF34 DOUBLE PARDET B\$1"X2" IG GA.	CECO 4200 SERIES COREUSAȚIO SADOLE BEONZE	RUSEMIH UNILOC SER NO. 563 EATON DESIGN US 32 D	RIBSIVIN 416 SERIES US 32 D G* 1 2'-8'	STANLEY LIFESPAN SERIES CD 1960 4/2" * 4%" US 32D	RUSSVIN 2810 SERIES BRONZE (SBL)		GALV.	SHOP AND FIELD PZIAE	BEOWN
FLOOR PLOOR	CECCO IMPERIAL SERIED SPECIAL IBGA.	DOOR 31ZE 2:-8"*4'-6"	CECO SERIES SF 34 DOUBLE PARSET 52'x2' 16 GA	CECCO SEZIES 4200 (CORGUATED SADDLE DRONZE	RUSSVIN UNILOC SERIES NO. 563 EATON DESIGN US 320		STANLEY LIFESPAN SEDIES CB 1960 42' x48' U5320		RUSSIVIN 2750 SERIES BRONZE (SEL)	GALV.	SHOP AND FIELD PRIME	₽504/H

NOTE:

MANUFACTURED ITEMS LISTED IN THE DOOR AND VINDOW SCHEDULES, OR AN APPROVED EQUAL, SHALL BE SUBMITTED IN ACCORDANCE WITH BUBSECTION 106.01 OF THE PROJECT SPECIFICATIONS.

## VINDON SCHEDULE

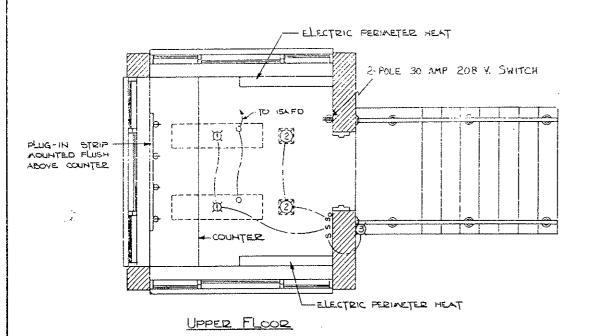
\T= 4	WOGNIW	GLASS	FRAME
ITEM	TYPE.	SIZE & TYPE	FINISH
VINDOV5	TRUSCON ROLLING VINDOW 8040 FC W/ SCREENS	geay insulating glass	BROWN

DIVISION OF HIGHWAYS

PORTAL ATTENDENT BOOTH
DOOR & WINDOW SCHEDULE
AND
COUNTER CABINET DETAILS

Designer – C.D.O.H.
Detailer –
Drawing Number – B-4

PEGION NO.	DIVISION	PROJ. NO.	äHEEY NO.	TATOT
ΔΠ	COLORADO	I 70-3(83)220	84	
		AS CONSTRUCTED		
NO REVISIO	7#S	REVISED	VCID [	



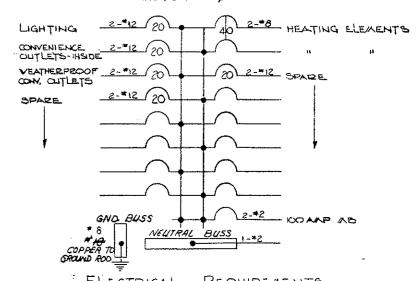
NS -1G-240 NULTTE FIXTURE LIGHTING SCHEDULE CATALOGI LAMPS / FIXTURE DESCRIPTION MARKI QUANTIT MANUFACTURES DE MARKS NO. NO DESIGNATION CEILING SECESSED FLUCCESCENT V OC AUX. HOAND LAAP INCANDESCENT LAMP TO BE WIRED TO AUXILIARY POWER 100W A-21 HOLOPHAR 2045-4 F40/CW CEILING RECESSED CONTROL VITH FULL ZANGE 2 LIGHTOLIER 46 H 16 150W PAR-36 HOTING SIENAIC INCANDESCENT WALL SURFACE MOUNT 3 MCPHILDEN 43-40VT 15-A W 001 WEATHERPROOF & VAPORTIGHT INCANDESCENT WALL SURFACE MOUNT FINAL LOCATION TO BE ACPHIL BEN 45-40 IS-A VICOI INCANDESCENT DETERMINED BY ENGINEER

#### LEGEND

INCANO LAMP IN FIXTURE "I VIRED TO AUX. DC 0 THERADSTAT @+52" FROM FLOOR DUPLEX CONVENIENCE OUTLET @+524 SINGLE CONVENIENCE OUTLET WEATHERPROXOF SINGLE CONVENIENCE OUTLET SWITCH SINGLE POLE @+52" DIAMER SWITCH - FULL RANGE

> PANEL "A" 120/240V - 1Ø

TRANSFORMER



TOTAL CONNECTED LOAD = GGGOV = 27.8 A

CECLIT BREAKERS SHALL SE PROVIDED N/ GROWN FAULT CIRCUIT INTERRUPTERS

DIVISION OF HIGHWAYS

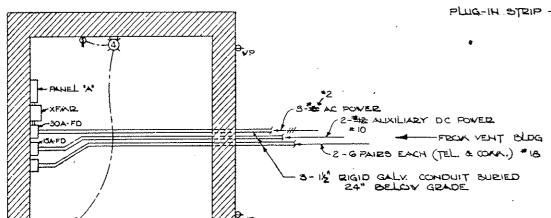
PORTAL ATTENDENT BOOTH ELECTRICAL & HEATING PLAN

Designer – C.D.O.H. etoiler rawina Number -- 18-5

Singer Model ASF-7
ELECTRIC HEAT - ENERSON CHECKBLON ACCEL TO 240V-10 FRONT OUTLET W THERMOSTAT AND DISCONNECT SWITCH, OR AN APPROVED EQUAL.

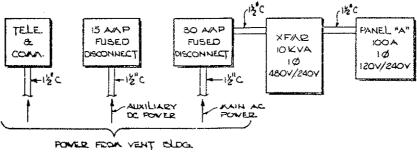
PLUG-IN STRIP - 5' LONG WITH SINGLE CONVENIENCE OUTLETS

@ 12" QC. ADUNTED ABOVE COUNTER.



LOVED FLOOR

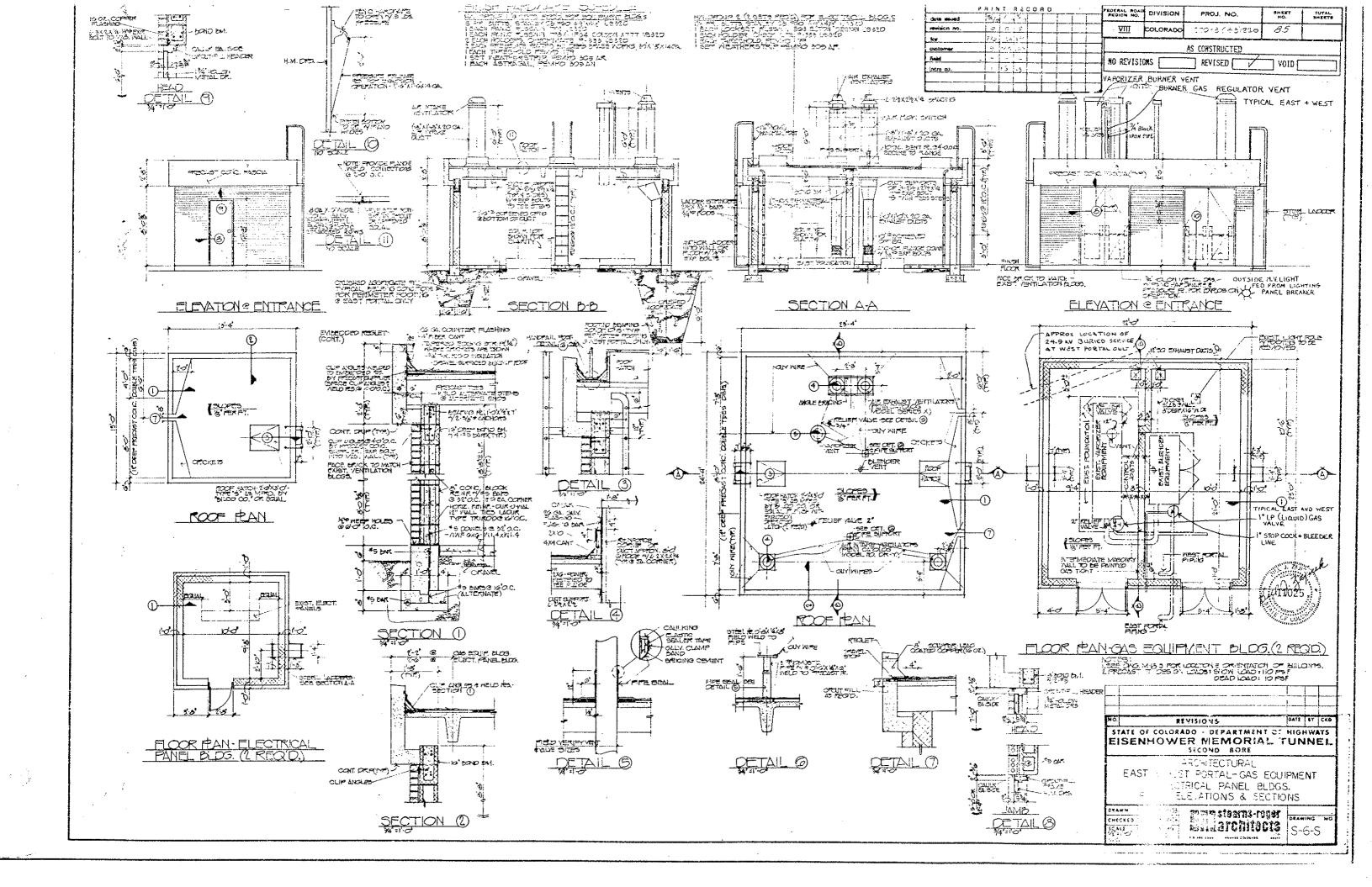
ELECTRICAL AND HEATING PLAN SCALE " = 11-0"

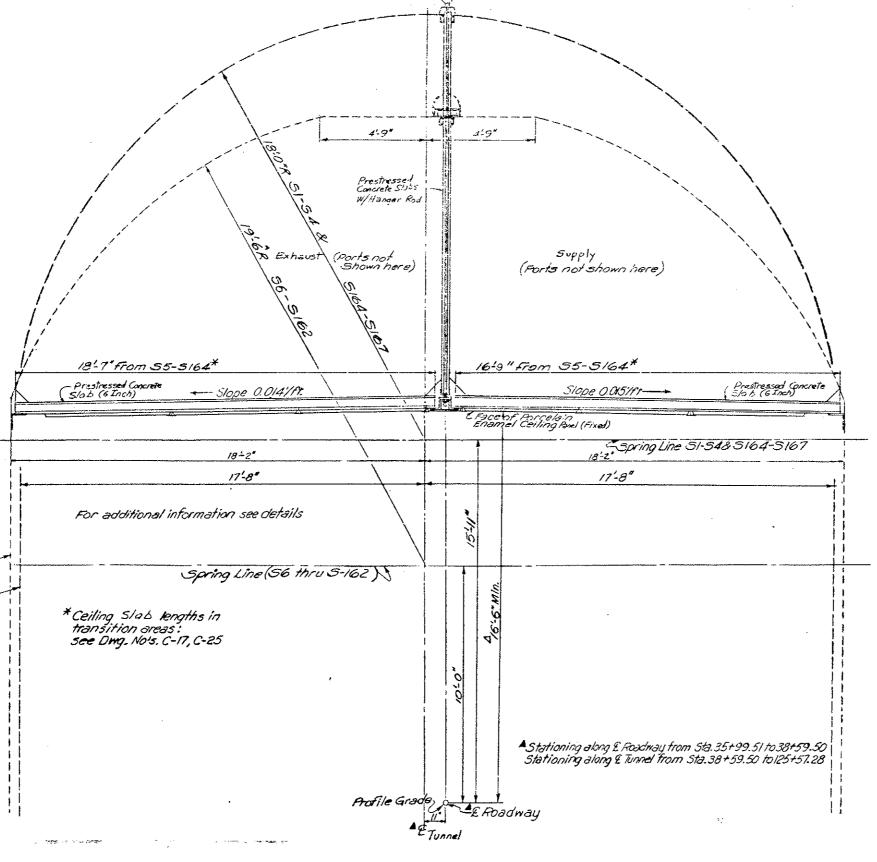


PANEL LAYOUT

NO SCALE

OR AN APPROVED EQUAL





Existing Conc. Final Lining. (55-5164)

Existing Conc. Final Lining (51-54 & 5165-5167

TYPICAL SECTION LOOKING EAST Original Scale 1/2"=1-0"

REGION NO. DIVISION PROJ. NO. TOTAL COLORADO 770-3(83)220 NO REVISIONS [ REVISED YOID

GENERAL NOTES:

ALL WORK SHALL BE DONE ACCORDING TO THE PROJECT SPECIFICATIONS FOR I  $70\text{-}\mathrm{J}(33)220$ .

ALL STRUCTURAL STEEL NOT OTHERWISE MOTED SHALL BE AASHTO SPECIFICATION M-222 (ASTM A-588) (WEATHERING STEEL), (GALVANIZED),

ALL BOLTS SHALL DE 3/4° DIAMETER, HIGH STAEMETH, UNLESS OTHERWISE MOTED.

NO MELDING OF ANY KIND SHALL BE PEUNITTED ON STRUCTURAL STEEL MEMBERS UNLESS SPECIFICALLY CALLED FOR ON THE PLANS.

SHADE SO REINFORCING STEEL IS REQUIRED FOR 35 MASS AND LARGER. MADE AD MAY BE USED FOR 34 BARS.

THE FOLLOWING TABLE GIVES THE MINIMUM LAP SPLICE LEXGEN FOR REINFORCING DARS:

EAR SIZE	<b>24</b>	15	#0	+7	.19	19	110	£11
SPLICE LEMSTH								
ì	1 '-0"	1,-3,	1,44	2,-3,	"ני נ	3'~10*	4"-10"	5 -11 "

THE ABOVE SPLICE LENGTHS SHALL BE INCREASED BY 20 PERCENT FOR 3 BAR BUNDLES AND 33 PERCENT FOR 4 BAR BUNCLES.

E.F. = EACH FACE F.F. = FAR FACE M.F. = MEAR FACE

CESIGN FATA:

AASHTO CATED --- 1977 AHD 1978 INTERIM.

LOADING DATA:

AIR PRESSURE IN YOUTHATION CHITS:

FRESH AIR
FRESHURE IN YOUTHATION CHITS:

FRESH AIR
FRESHURE THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE T

ACCUMENTATION CONCRETE: 95 MASS AND LINEAR,  $f_g = 24,000~\rm ps. i$  M MASS,  $f_g = 2u_s u u ps. i$ 

CLASS T-1 CONCRETE  $f_c = 1,200 \text{ psi}, \quad a = 10$ 

STRUCTURAL STEEL: MSHTO H-183 (ASTN A-36)  $f_{\chi^{\pm}}$  20,000 ps i

MASHT9 H-222 (157H A-586) f<sub>2</sub> + 27,900 ps1

PRESTRESSED CONCRETE: f' = 270,000 pai

f'c + (See Betails)

GENERAL NOTES CONTINUED

DIMENSIONS AND ELEVATIONS TO EXISTING STRUCTURE SURFACES ARE APPROXIMATE FOR INFORMATION DRLY. THE CONTRACTOR SHALL VERIFY THIS INFORMATION IN THE FIELD, AND ADJUST THE CRRESPONDING MATERIAL DIMENSIONS AS REQUIRED, PRIOR TO FABRICATION OF MATERIAL FOR THIS PROJECT.

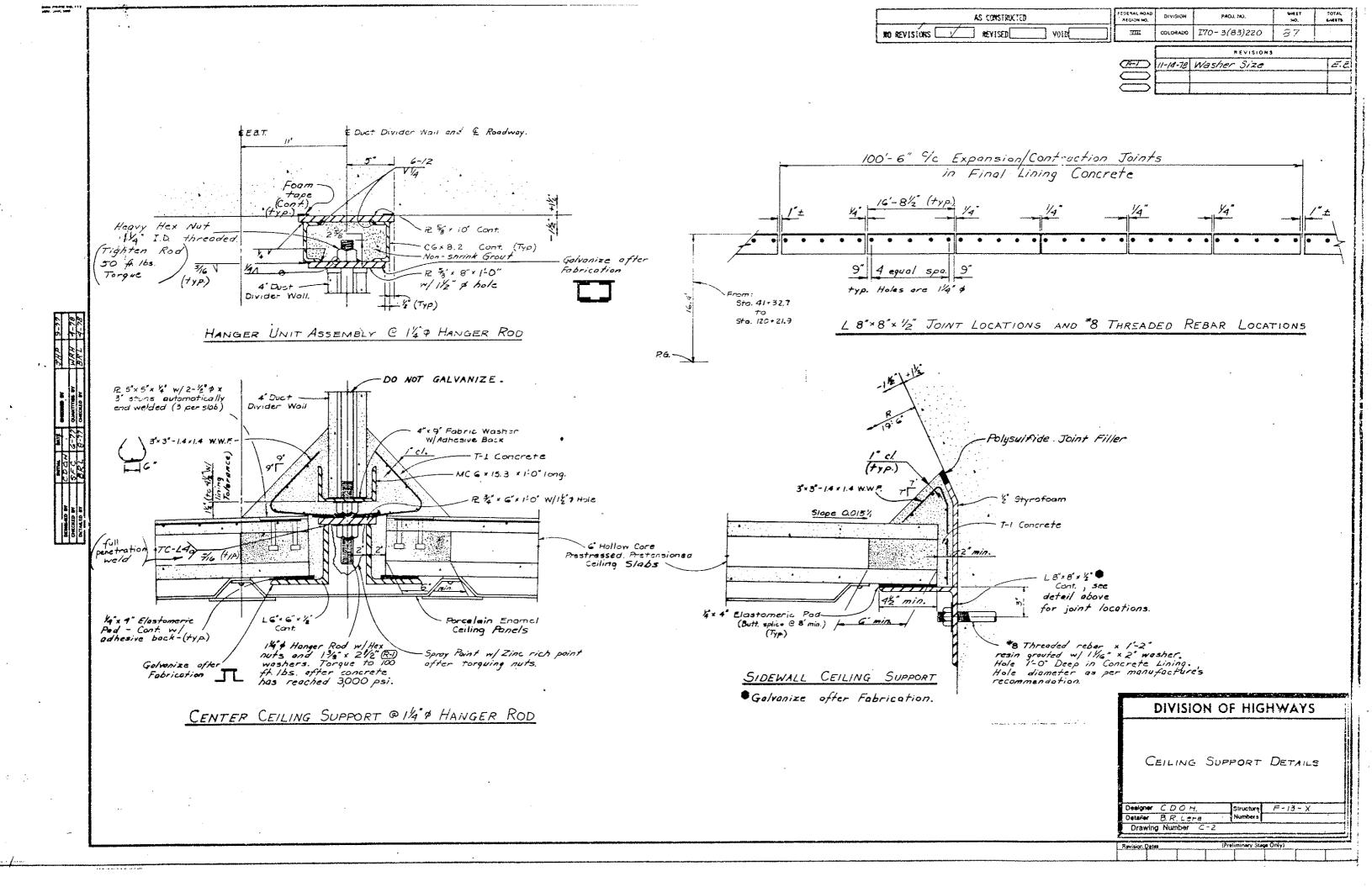
CROSS REFERENCE DRAVING NO. SECTION OR SETAIL IDENTIFICATION

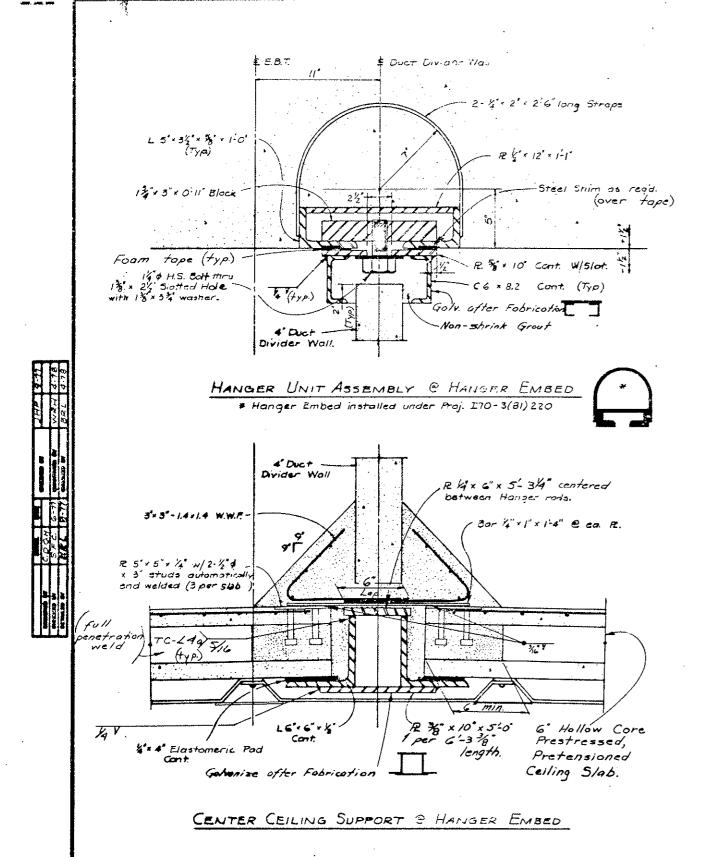
AT THE CURB GRADE LINE.

DIVISION OF HIGHWAYS

TYPICAL SECTION CEILING SLAB AND DUCT DIVIDER WALL

Designer C.D.O H.	Structure	
Detailer J. Letchworth	Number	



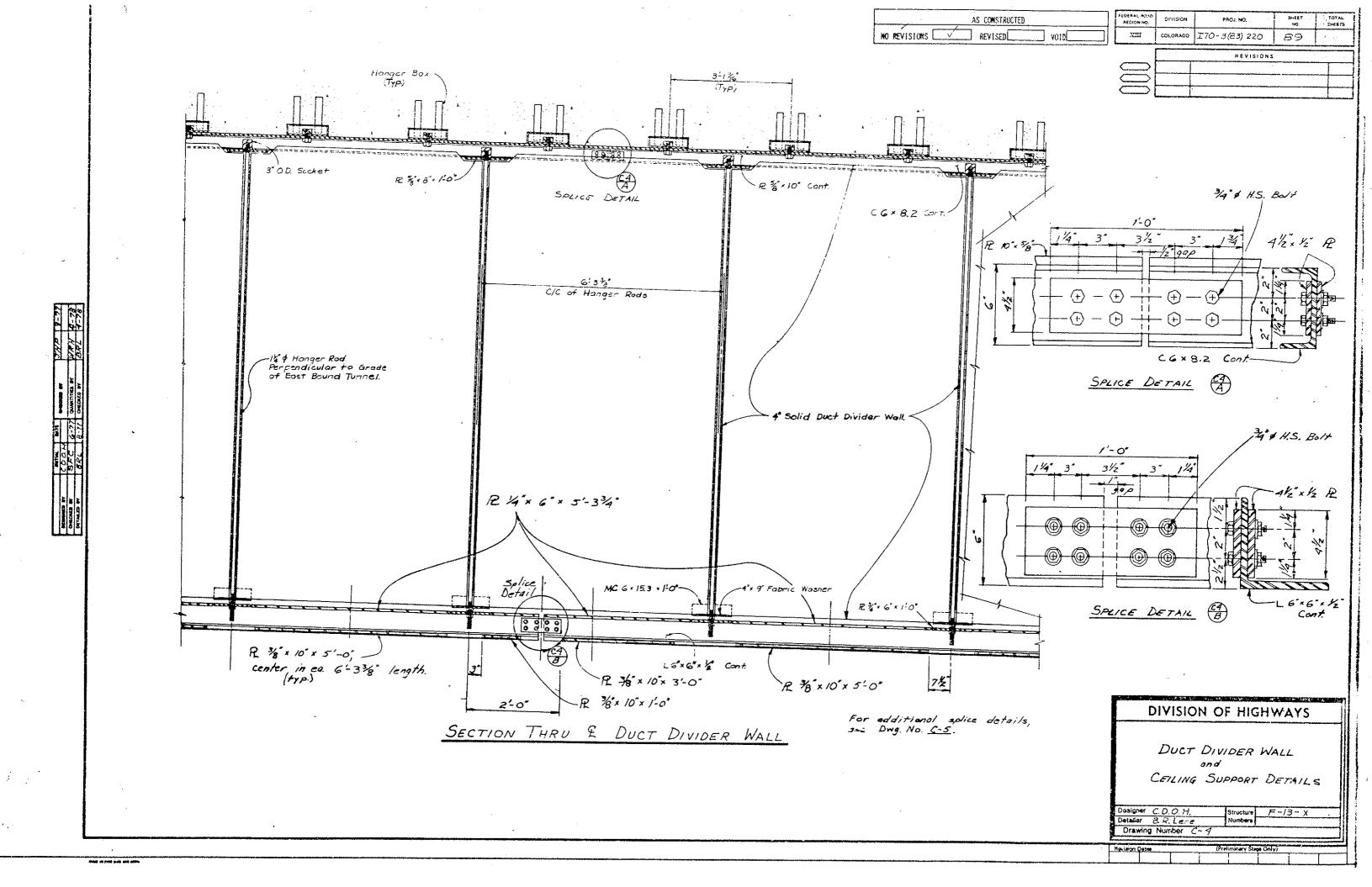


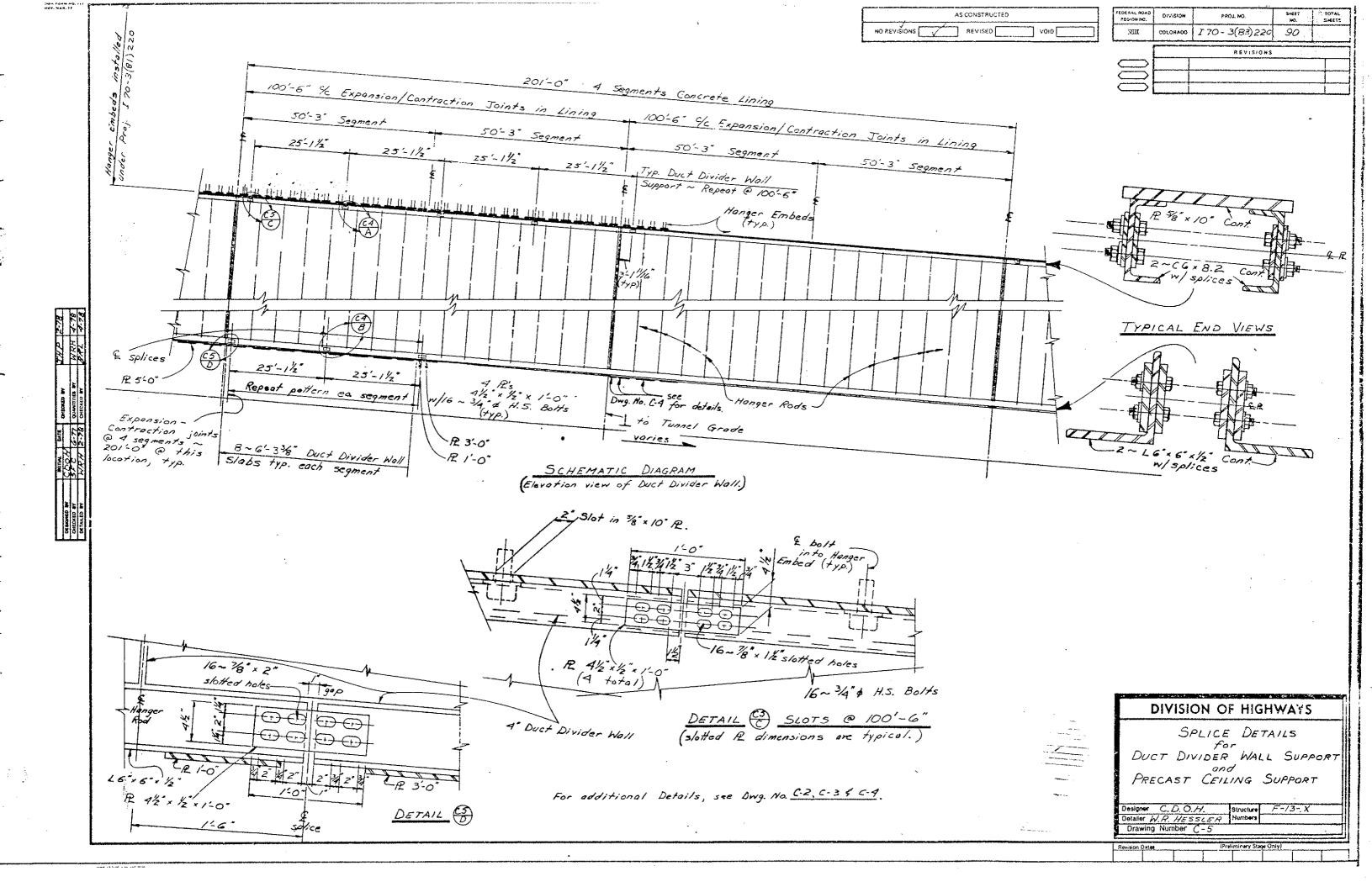
	AS COMSTRUCTED		PERSON NO.	CITION	PROJ. NO.	3-647 30.	POTAL SPARTS
NO REVISIONS V	REVISED[	VOID	Am	COLOMADO	170-5(83)220	ෙය	
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			<b>Æ</b> (_	EILING	SUPPORT	UETAIL!	•

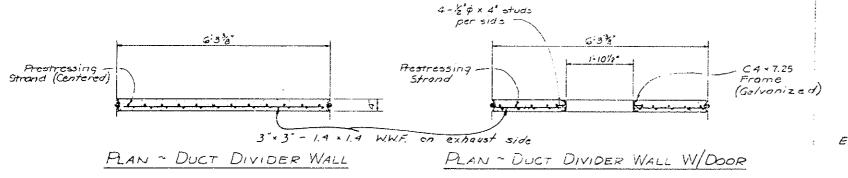
Designer C.D.O.H.
Designer B.R.Lens

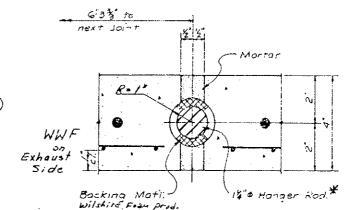
Drawing Number C-3

F-13-X







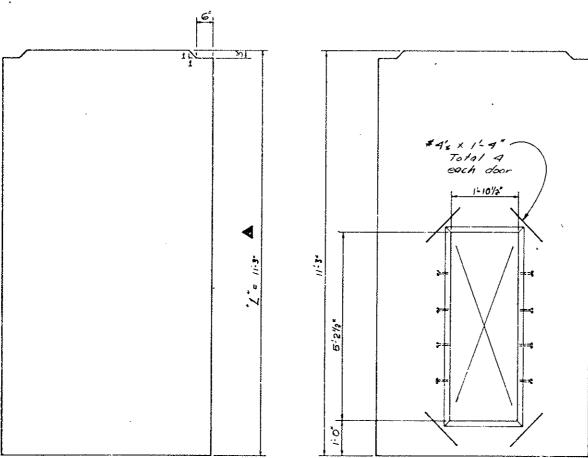


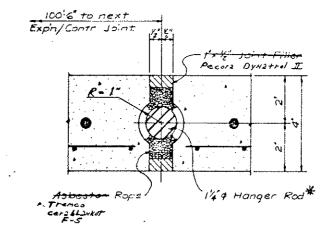
NO REVISIONS [

AS CONSTRUCTED

REVISED VOID

TYPICAL JOINT - DUCT DIVIDER WALL





EXPANSION/CONTRACTION JOINT ~ DUCT DIVIDER WALL

HEIGHT OF DUCT DIVIDER WALL "L": STA. 37+80.4 (WEST VENT \$LDG.) TO STA. 41+32.7 (END SEGEMENT S5) AND FROM STA. 120+21.9 (EMU SEGMENT S162) TO STA. 123+74.6 (EAST VENT BLOG);

To be verified in the field by the Contractor

ELEVATION - DUCT DIVIDER WALL

ELEVATION - DUCT DIVIDER WALL

WITH DOOR

For locations see Duct Divider Wall Door Details sht. no. C-32.

SLAB SCHEDULE									
5LAB	Ĺ	Concrete	S consider	15	C;	Fg	Cr	Concrete	Strangth
No.	(Feet)	(in2)	(in3)	(KIPS)		(KIPS)	,	fci (PSI)	Fc (P51)
Stundard Slab	//- 3°	300	200	277	.67	207	.50	4000	4000
5/ab W/Door	//-3*	204	136	165	.66	129	.50	4000	4000
Slab in Trans Area	A	300	200	<i>3</i> 38	.68	243	.50	4000	4700

TW COLORAGO 170-3(83)220 91 REVISIONS

PRESTRESSING NOTES

CUT ALL STRANGS FLUSH WITH THE SLAB ENDS UNLESS OTHERWISE NOTED.

USE STRESS-RELIEVED STRANGS.  $f^* \neq 270$  KSI. ALTERNATE STRANGS ARE LOW-RELAXATION STRANGS MEETING THE REQUIREMENTS OF ASTN-A416-68 GRADE 270.

IF LOW-RELALATION STRANGS ARE USED, THE NET COMPRESSIVE STRESS IN THE COMCRETE AFTER ALL LOSSES SHALL BE AT LEAST AS LANGE AS THAT PROVIDED BY THE STRESS-RELIEVED STRANGS. ALSO THE ULTIMATE STRENGTH OF THE SLAB WITH THE COM-RELALATION STRANGS SHALL NEET THE REQUIREMENTS OF THE APPLICABLE AASHTO SPECIFICATIONS.

INITIAL PRESTPESS FORCE:

FINAL PRESTRESS FORCE:

THE JACKING FORCE PER SLAB INCLUDING ALL LOSSES F1 St. XI

THE FORCE REMAINING PER SCAB AFTER ALL LOSSES

For Co X1's X A'S

AT - ASSA OF PRESTRESSING STEEL

F' - ULTIPATE STRENGTH OF PRESTRESSING STEEL

CONCRETE STRENGTH:

of PRESTRESS FORCE.

Te - IS AT 28 DAYS

THE MINIMUM DISTANCE BETWEEN GROUPS OR INDIVIDUAL STRANDS IS 1-3/4" (MEASURED BETWEEN CENTERS OF ADJACENT STRANDS).

DESIGN ASSUMES

AREA OF 6'-3 3/8" MIDE SLAB \* A
SEC. MOD. \* 4 5

THE RESULTANT PRESTRESSING FORCE SHALL BE CENTERED ACROSS THE WIDTH OF THE SLAB.

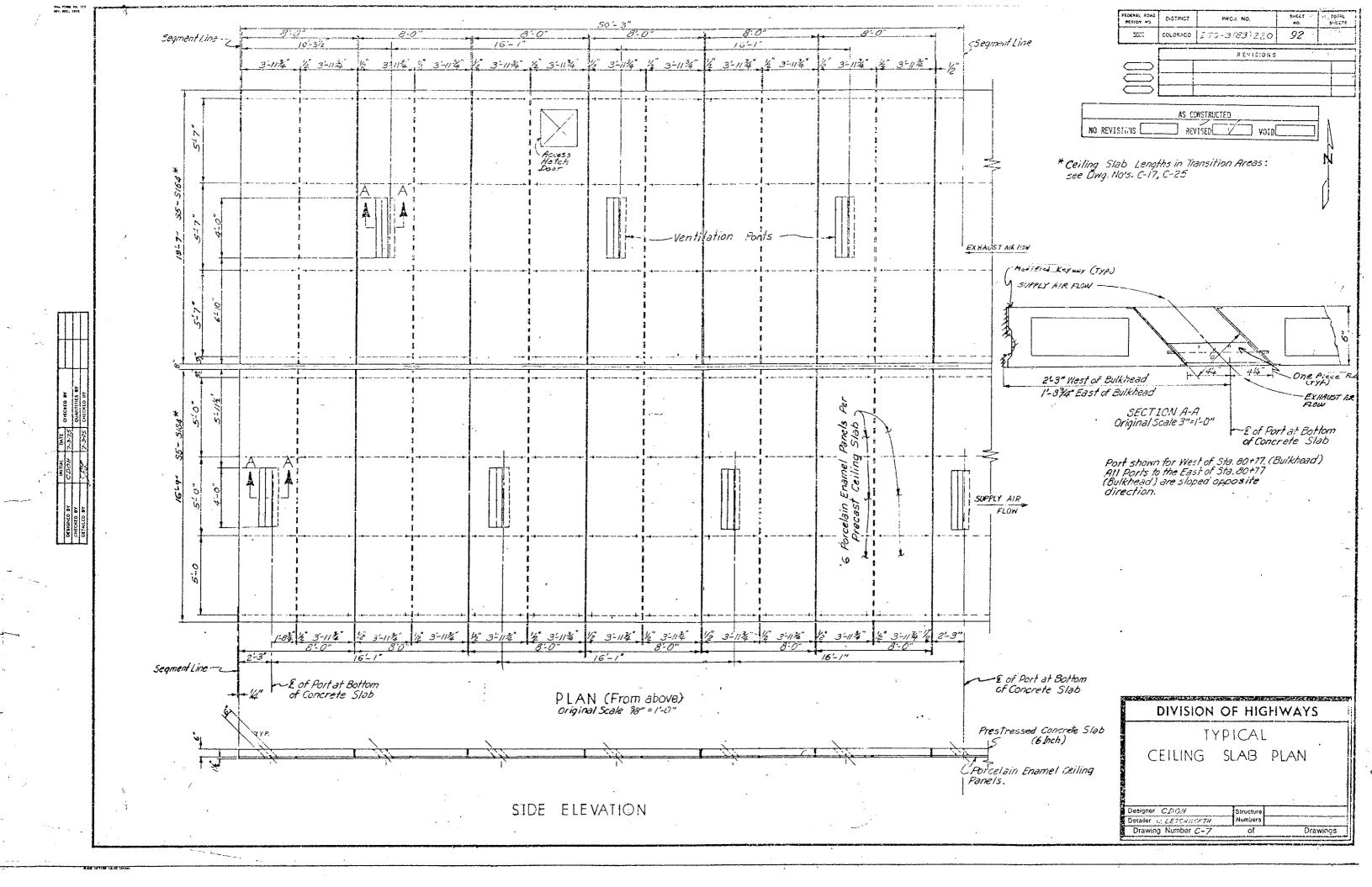
1-3/2" # 7ROM STA. 37+80.4 TO STA. 43+32.7 AND FROM STA. 120+21.9 TO STA. 123+74.6

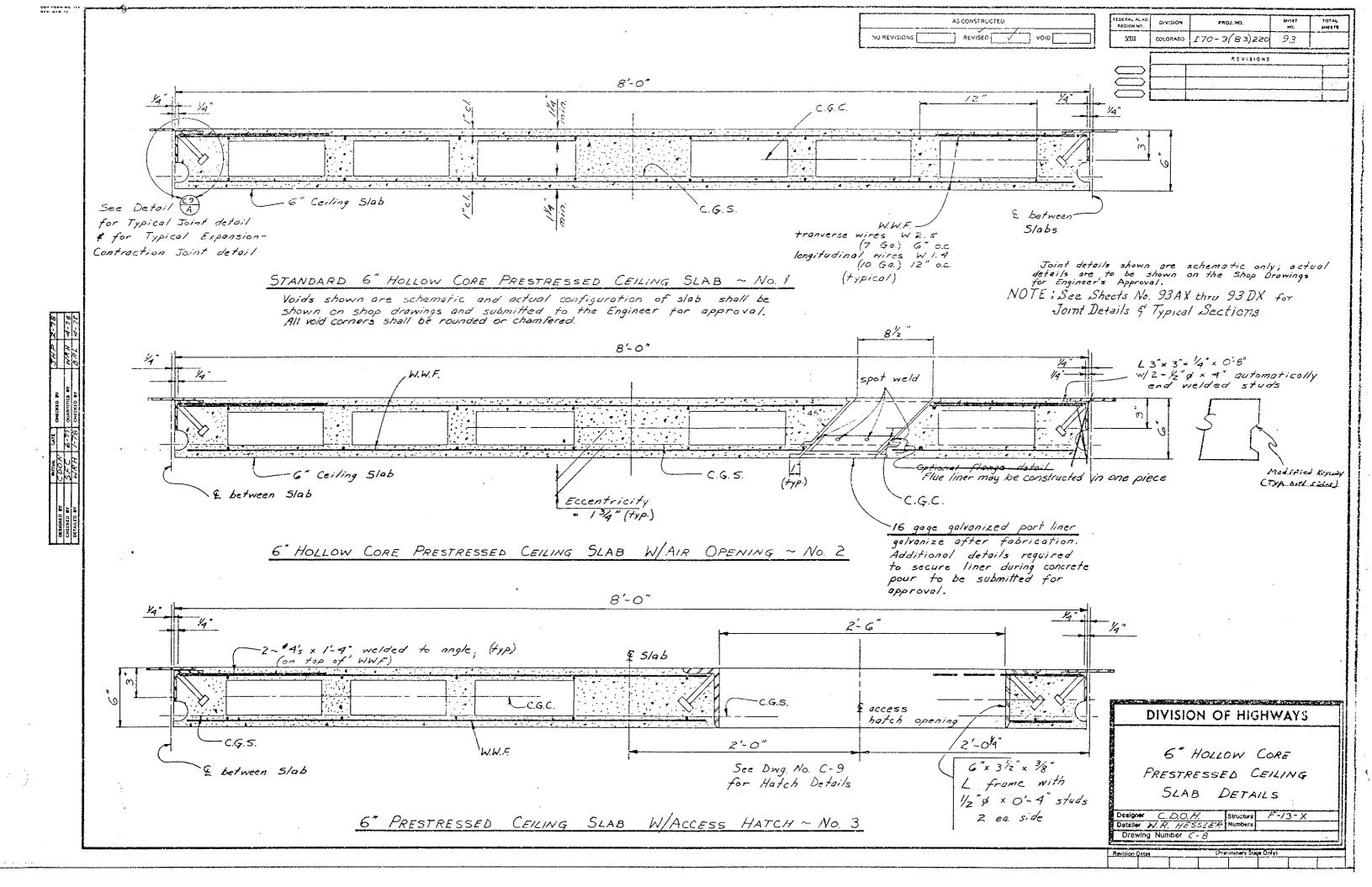
SLAB SHALL BE STEEL-TROWEL FINISHED. CONTRACTOR SHALL MAPK ALL EDWARST — SIDE OF SLAB WITH A WELL-RECOGNIZABLE INDENTATION.

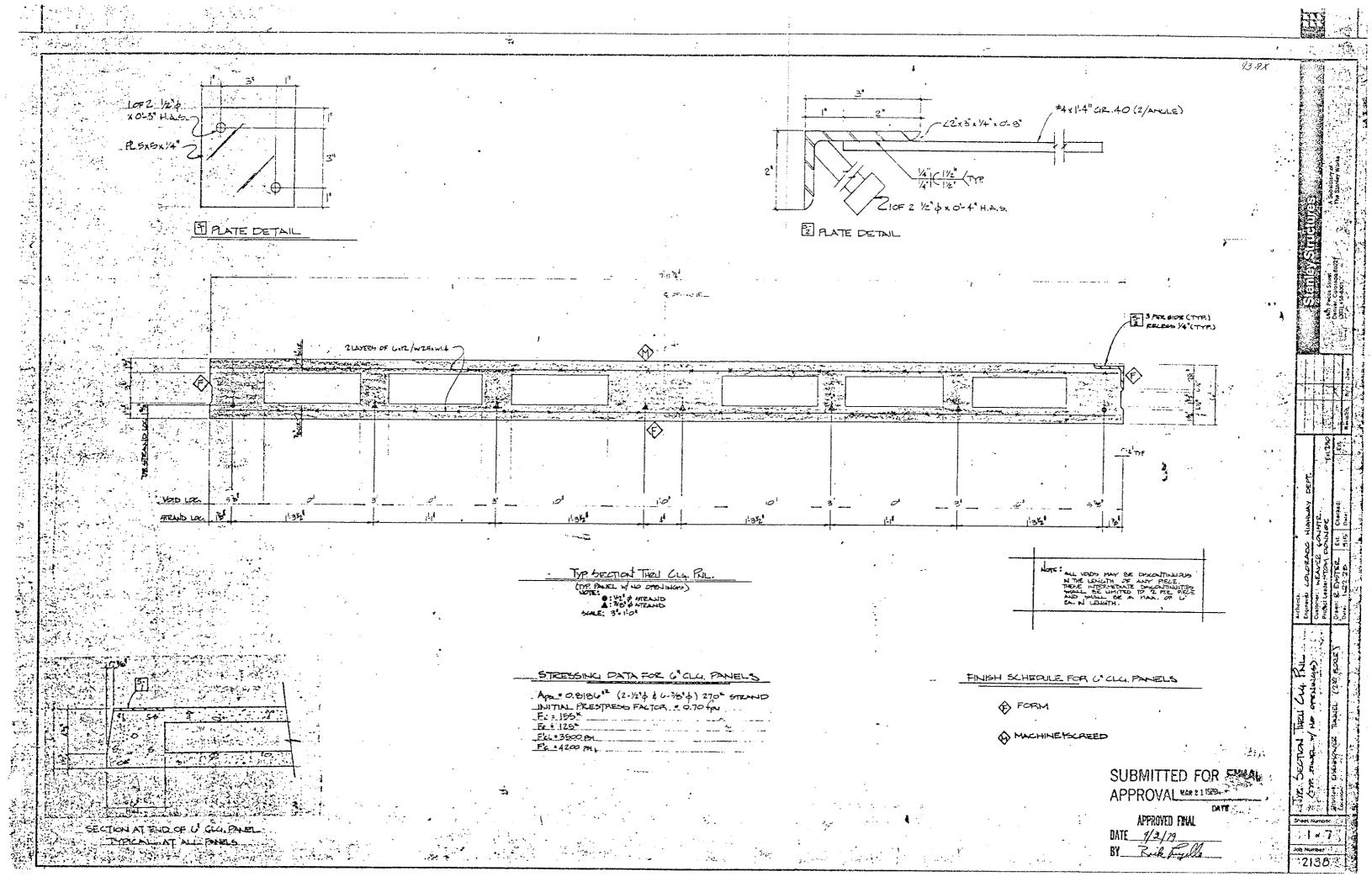
## DIVISION OF HIGHWAYS

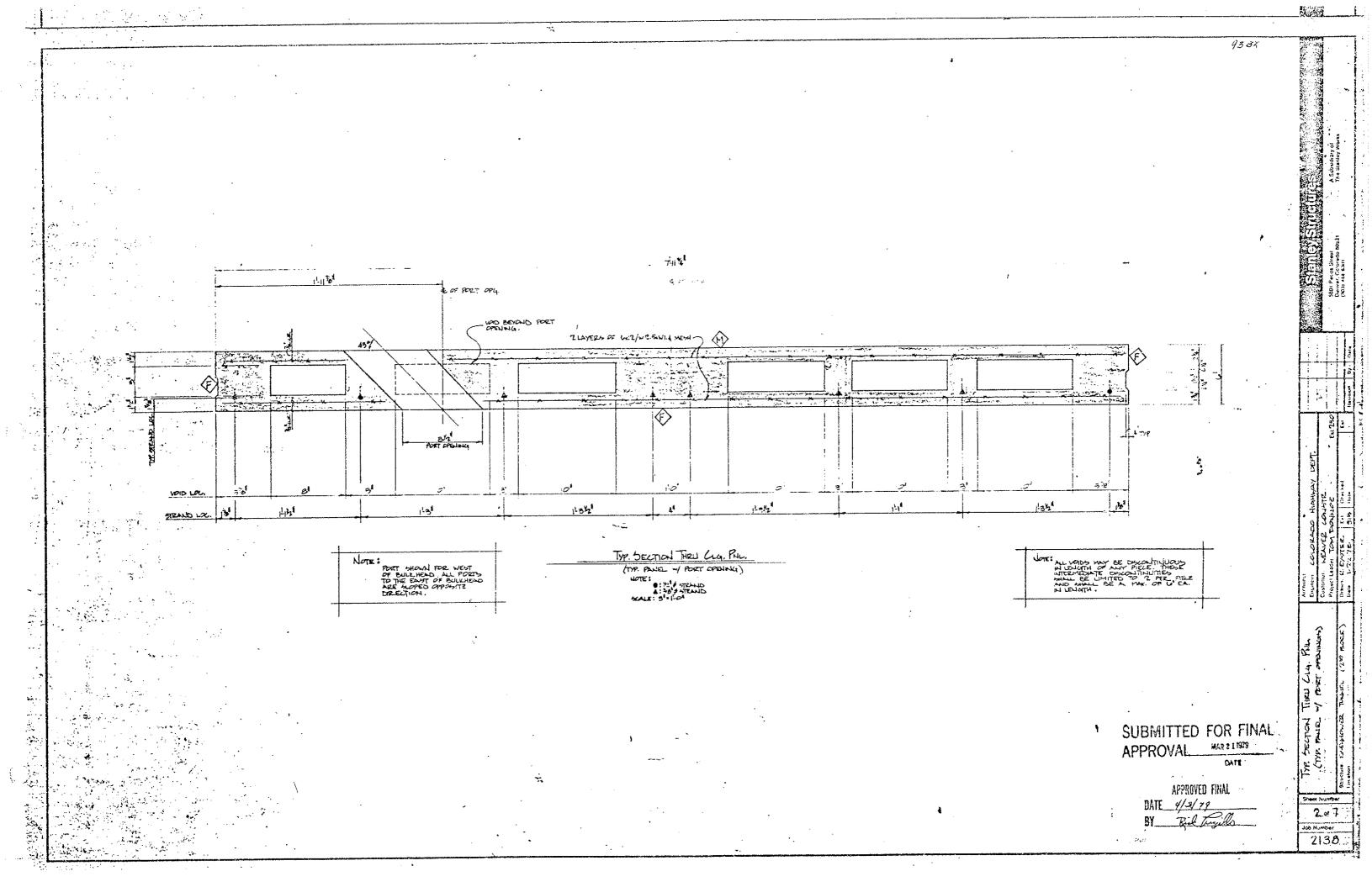
4" SOLID PRESTRESSED DUCT DIVIDER WALL DETAILS

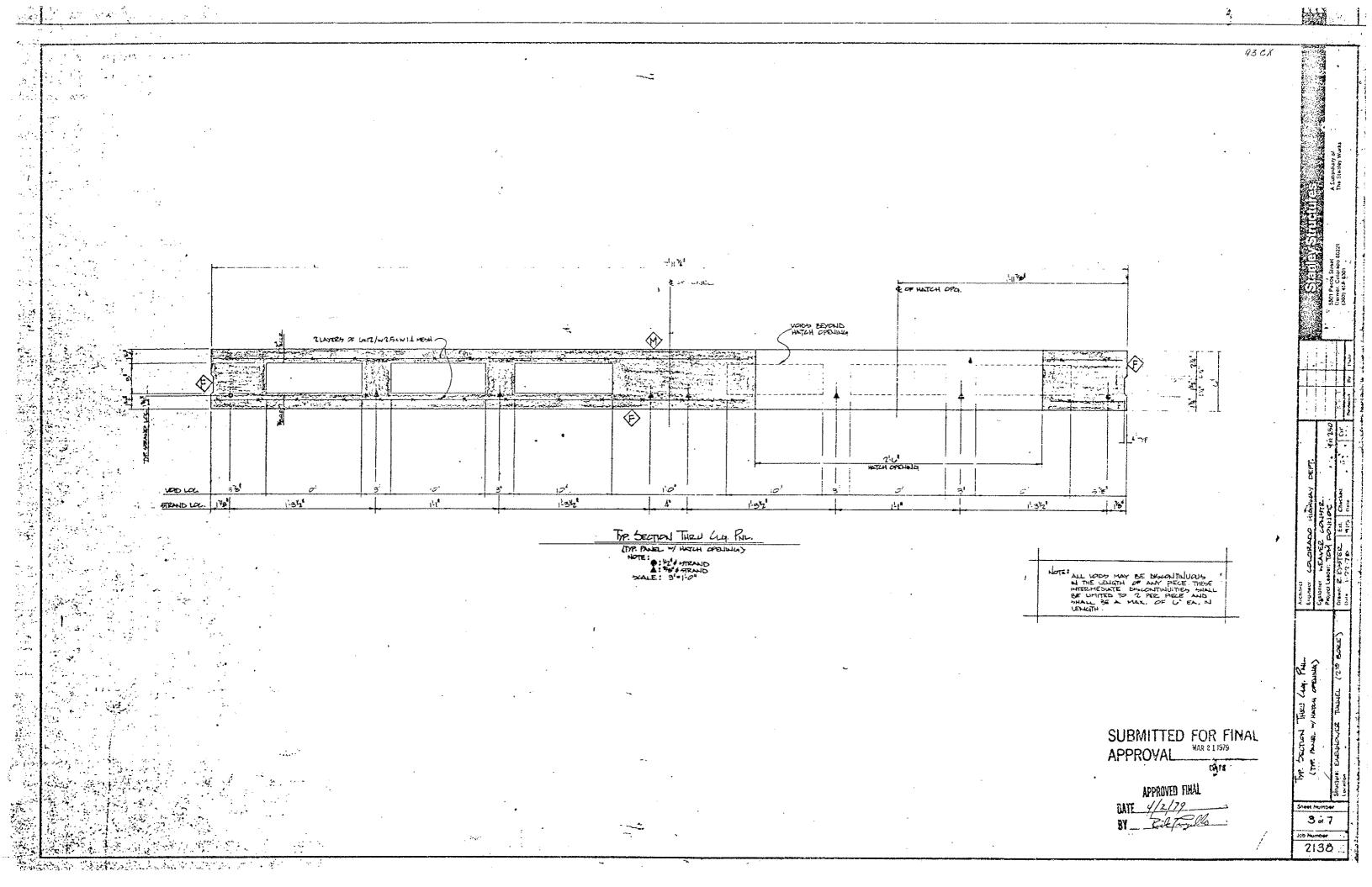
Designer CDOH.	Structure	F-13-X
Ootsilor 9R_e-e	Numbers	
Drawing Number C-6		

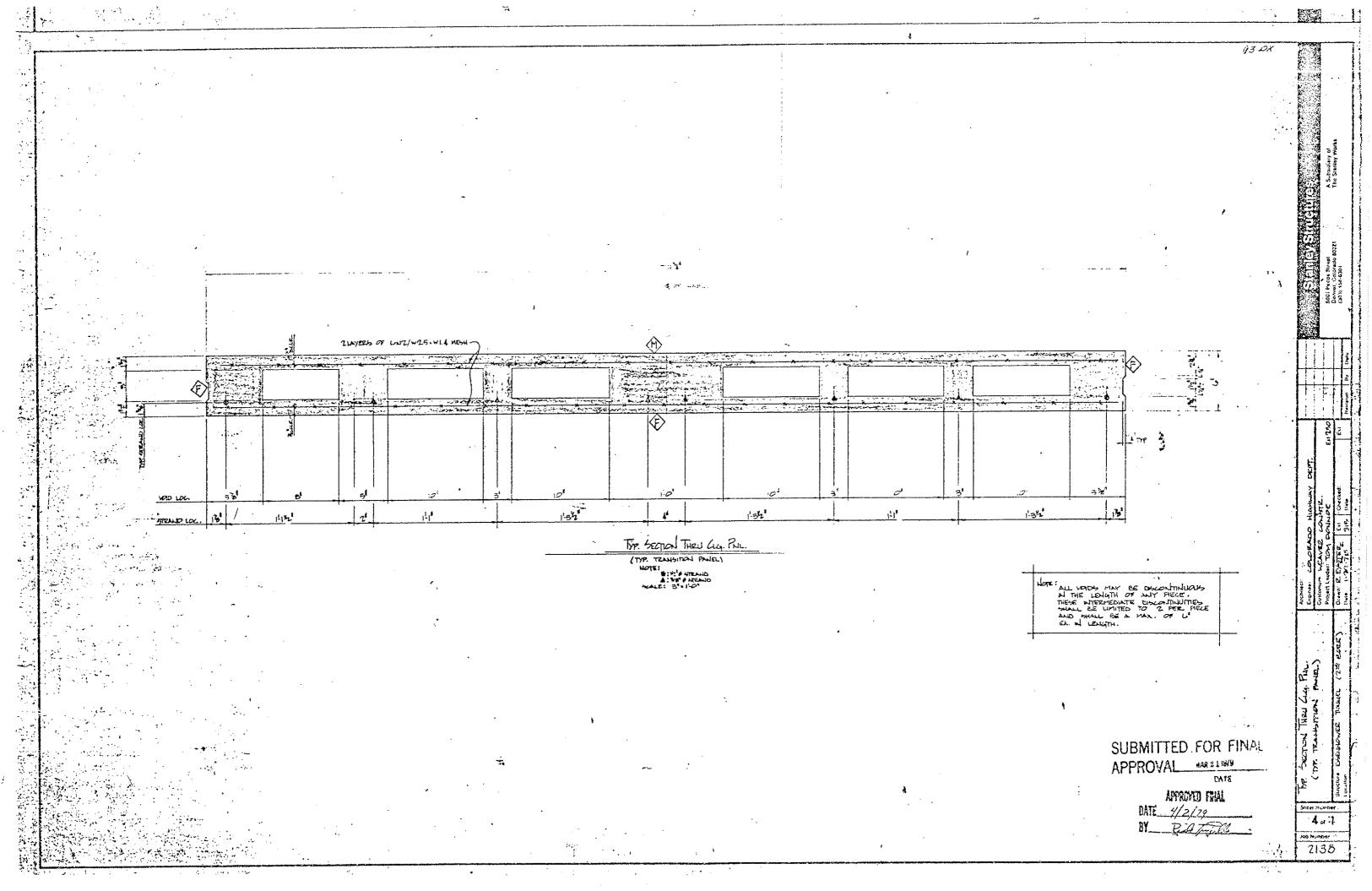


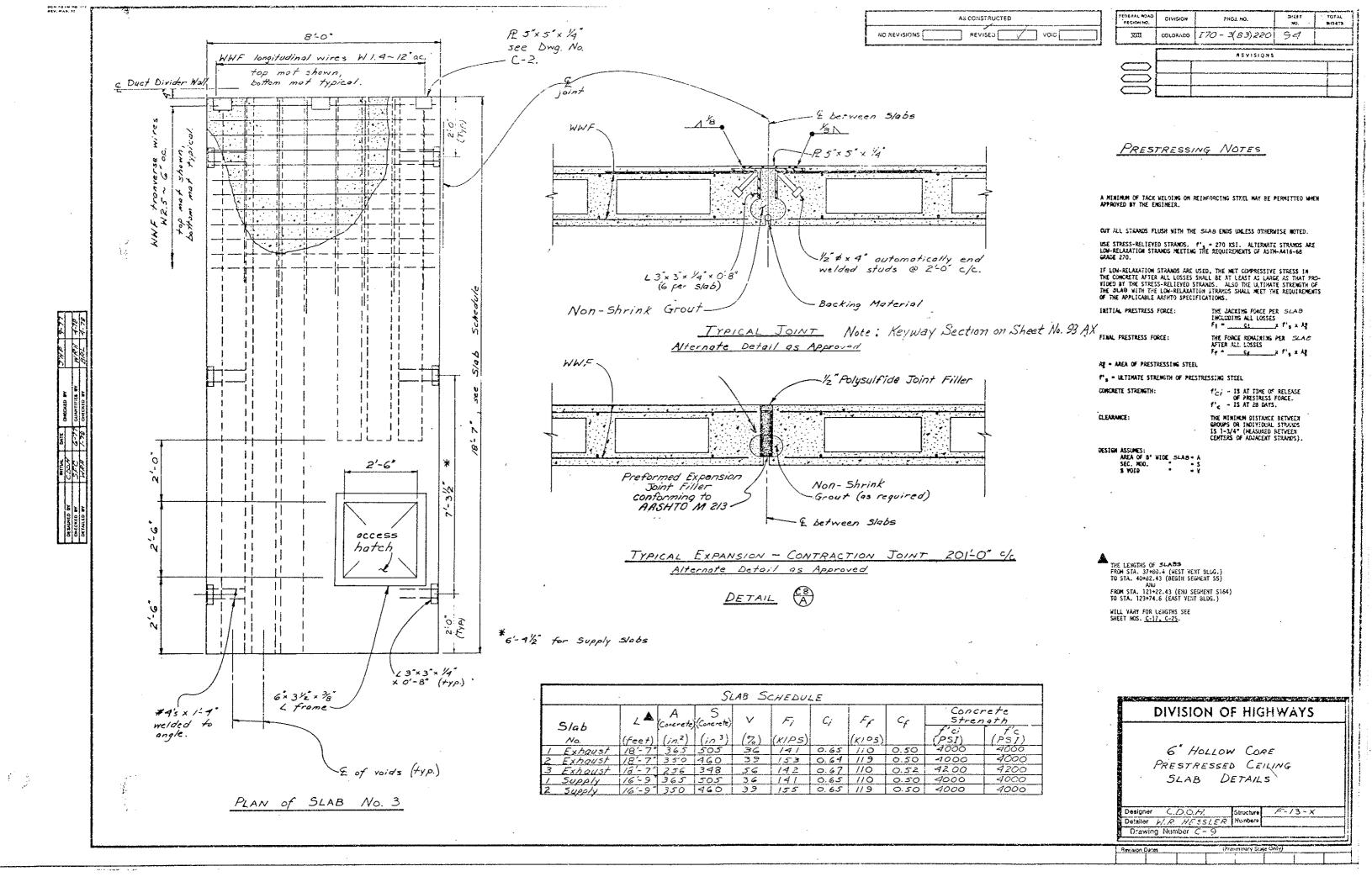


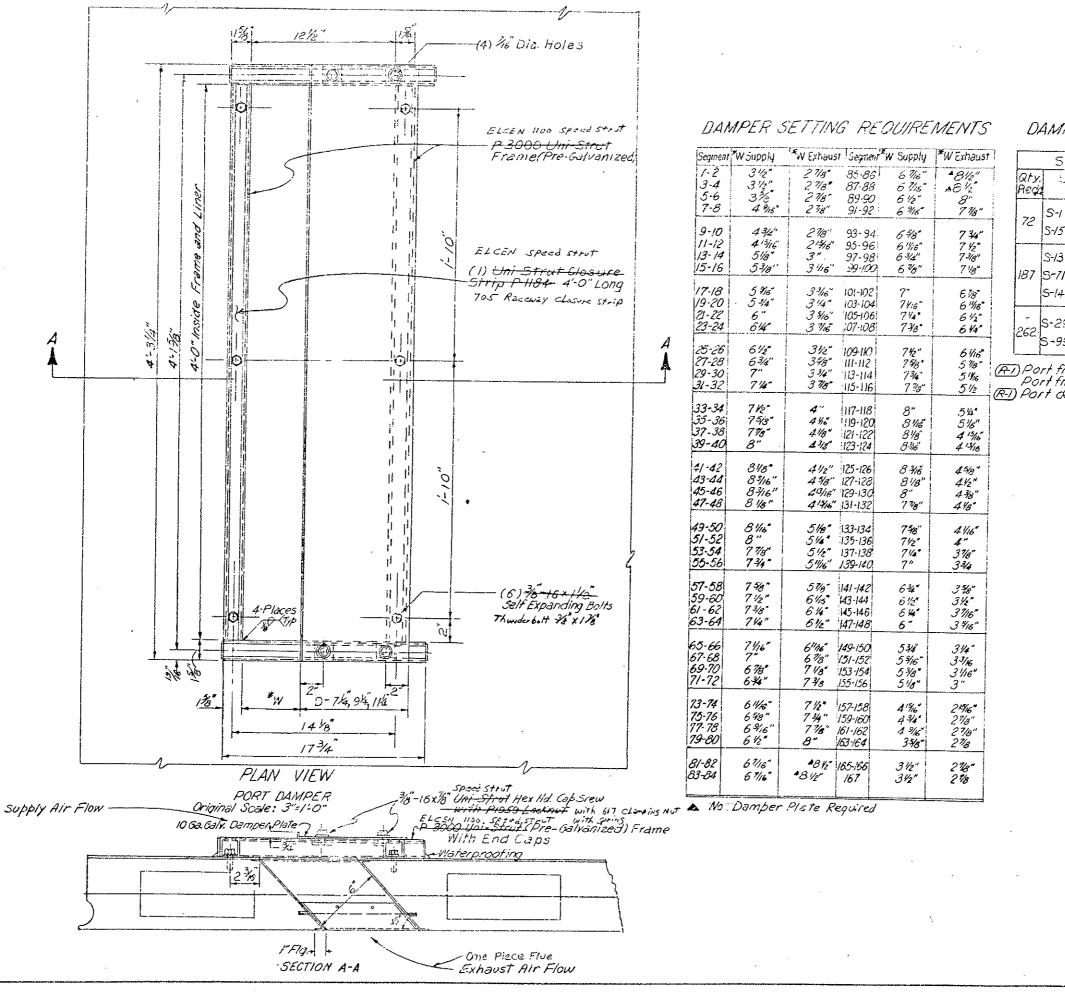












PEGION HO DIVISION PROJ. NO. HO TOTAL PHEZTS COLORADO I 70-3(83)220 95 AS CONSTRUCTED NO REVISIONS REVISÉD (7 Yoth (FT) Clarified Damper Totals ~11-14-78~ E.B

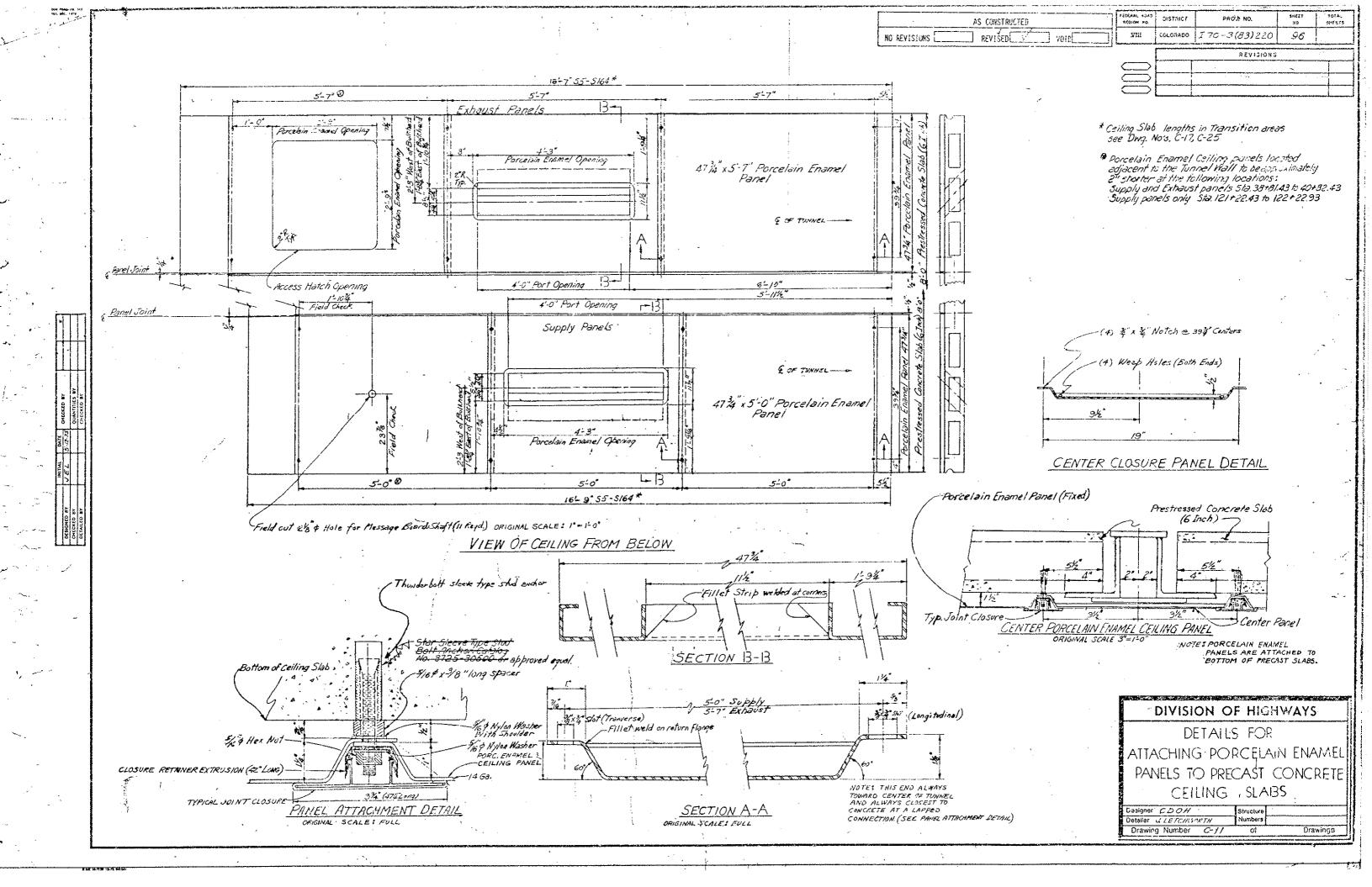
## DAMPER WIDTH REQUIREMENTS

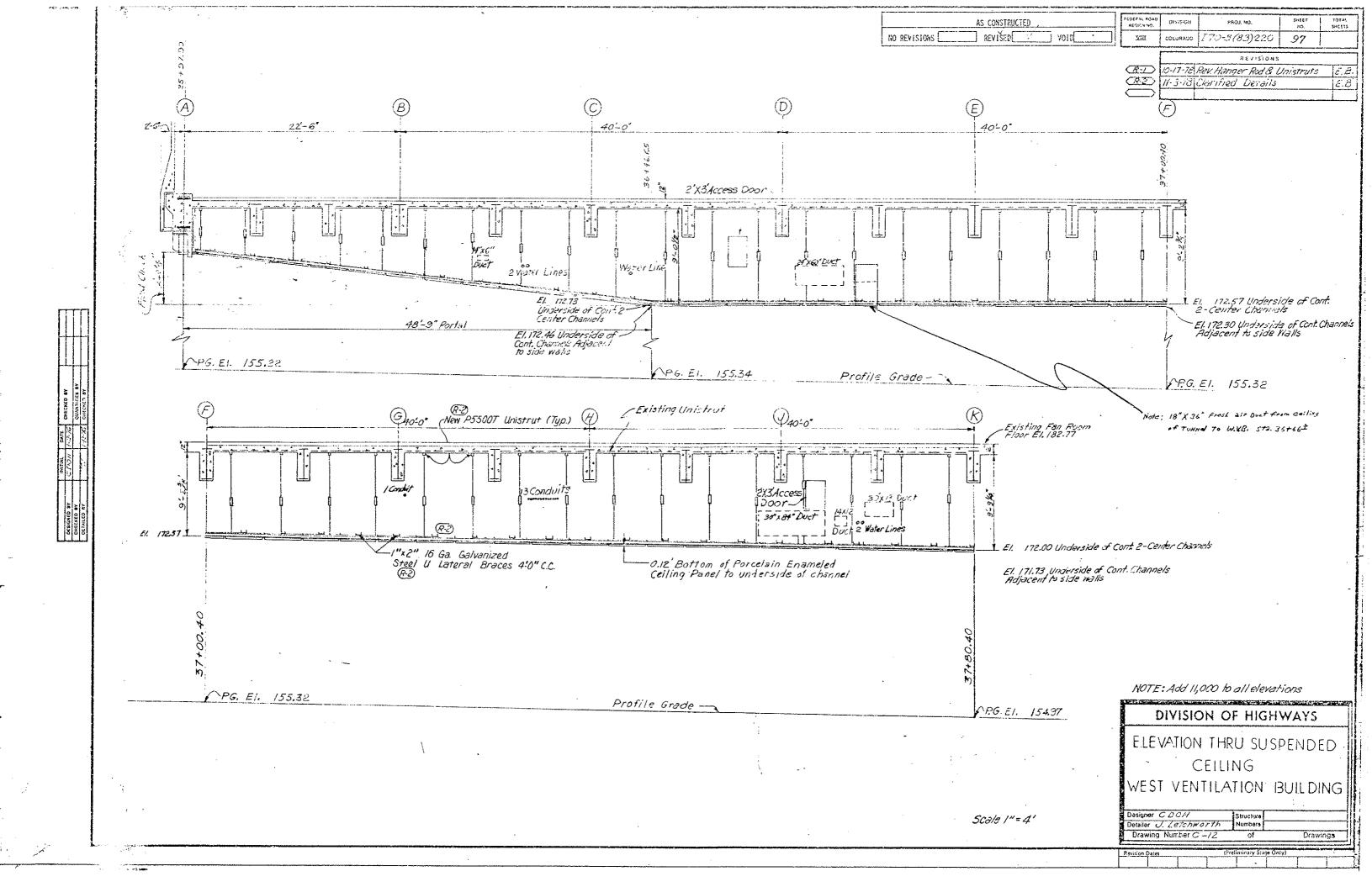
SUPPLY				EXHAUST			
Qty. Reça		Damper Width-D	Qty. Regio	Segment No.	Damper Width-D		
72	S-1 thru S-12 S-157thru S-167	11/4"	297	S-1 thru S-48 S-121thru S-167	114"		
187	S-13 thru S-28 S-71 thru S-98 S-141 thru S-156	94"	112	S-49 thru S-66 S-103 thru S-120	914"		
160	S-29 thru S-70 S-99thru S-140	7/4"	91	S-67 thrus-io2	7/4"		

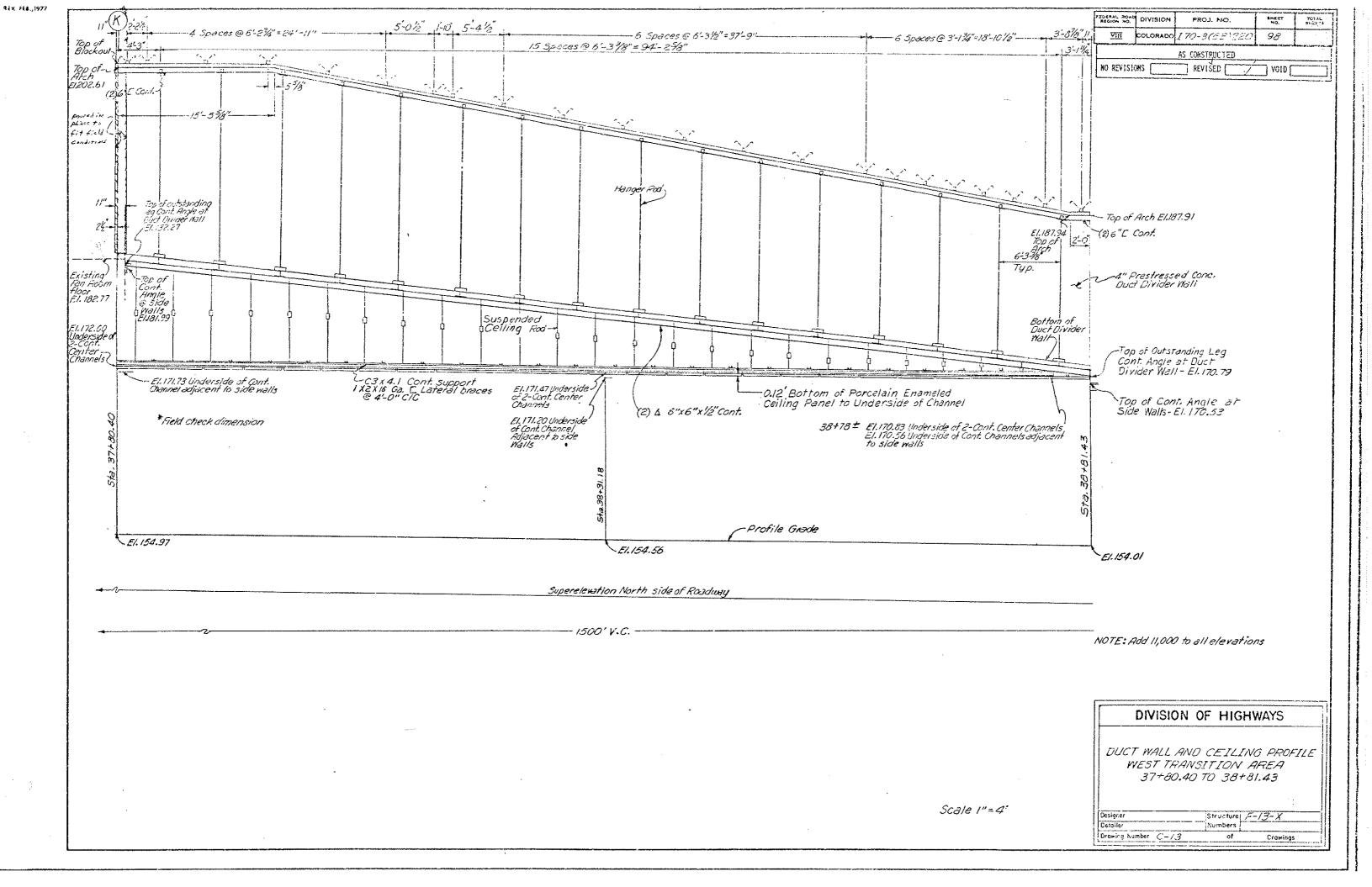
(AT) Port frame with damper plate — Port frame only — (RT) Port dampers (Pay Quantity) — -- Total 1049

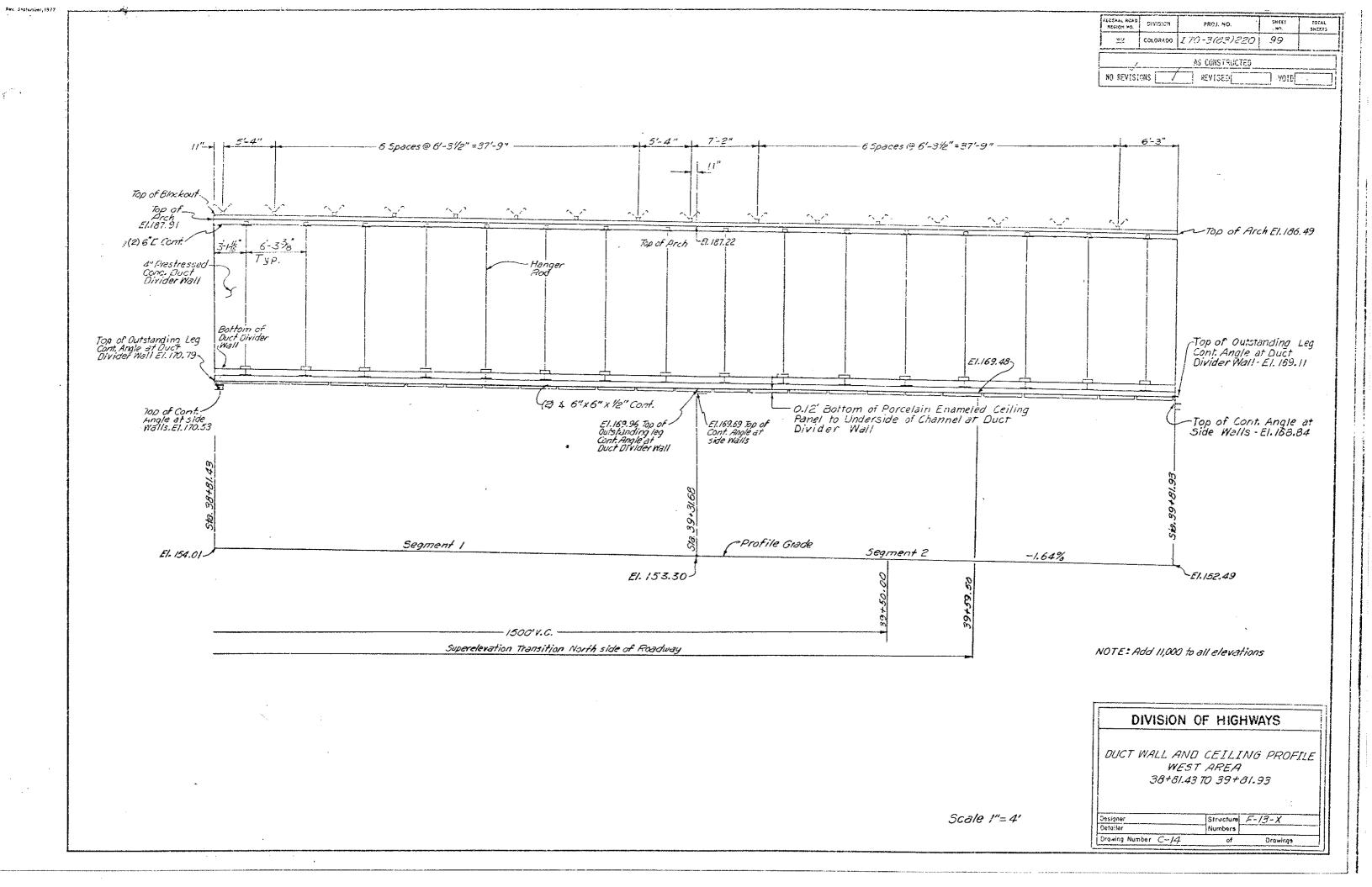
Note: Uni Strut or approved equal

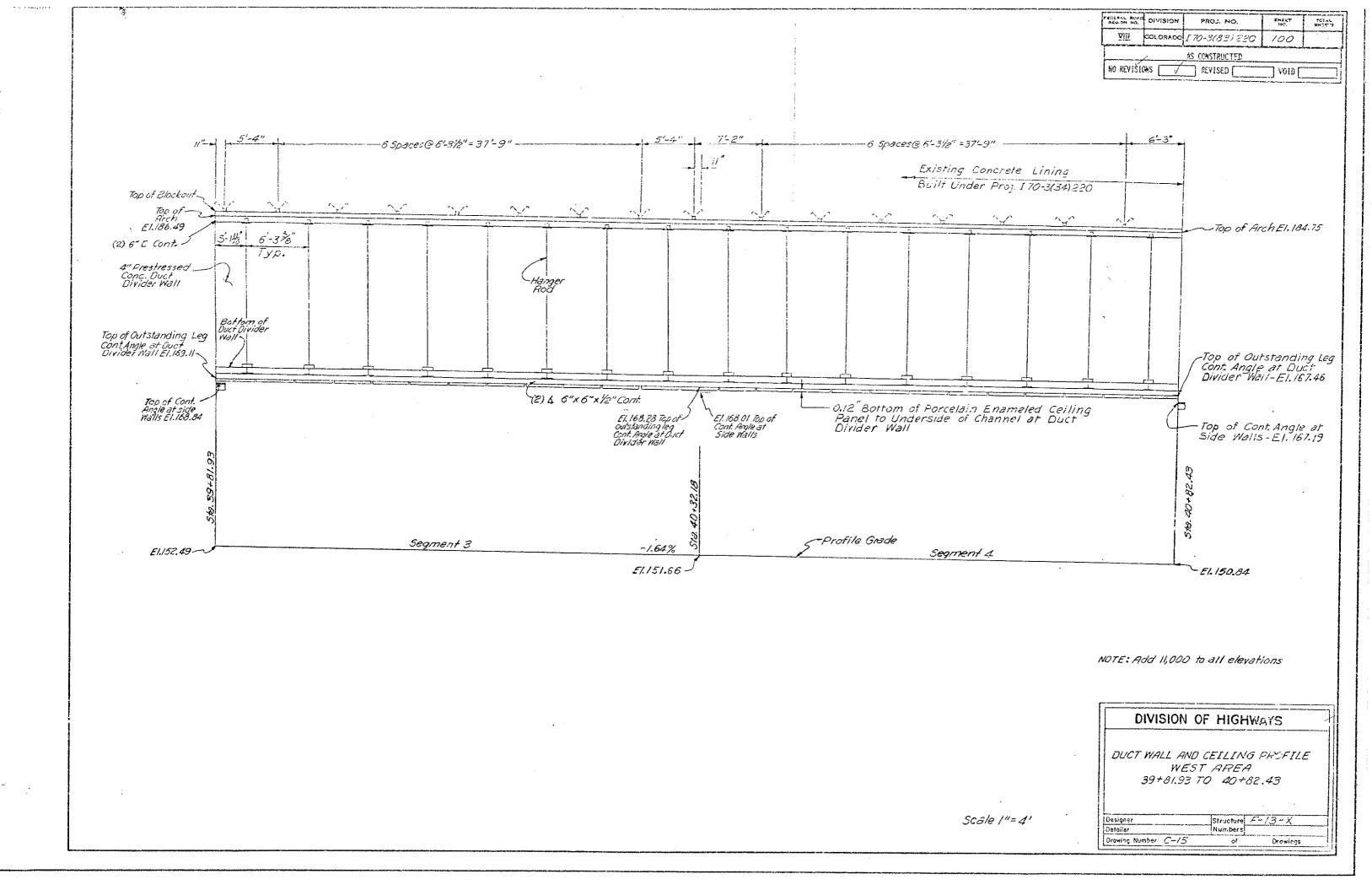
DIVISION (	F HIGHW	/AYS
PORT DAN		
ASSEMBLY .	DE TAILS	
Designar Defoker	Structure	

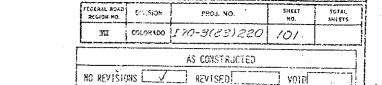


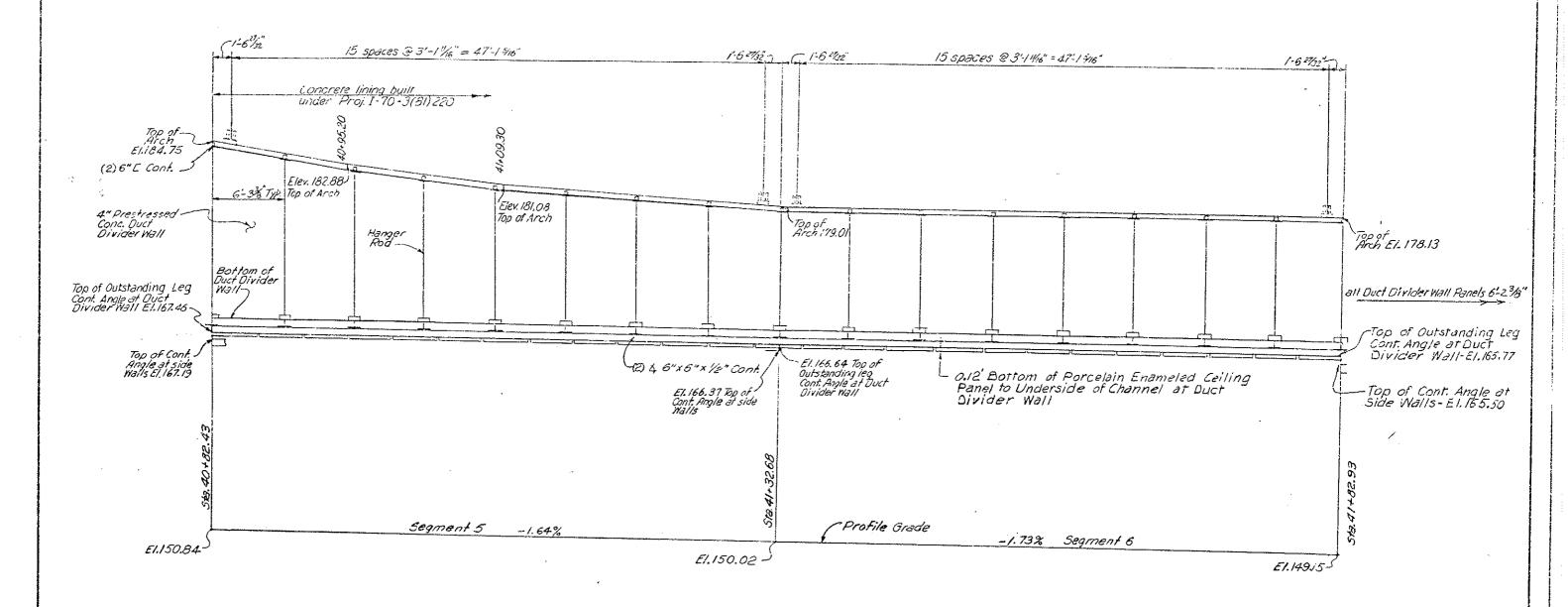










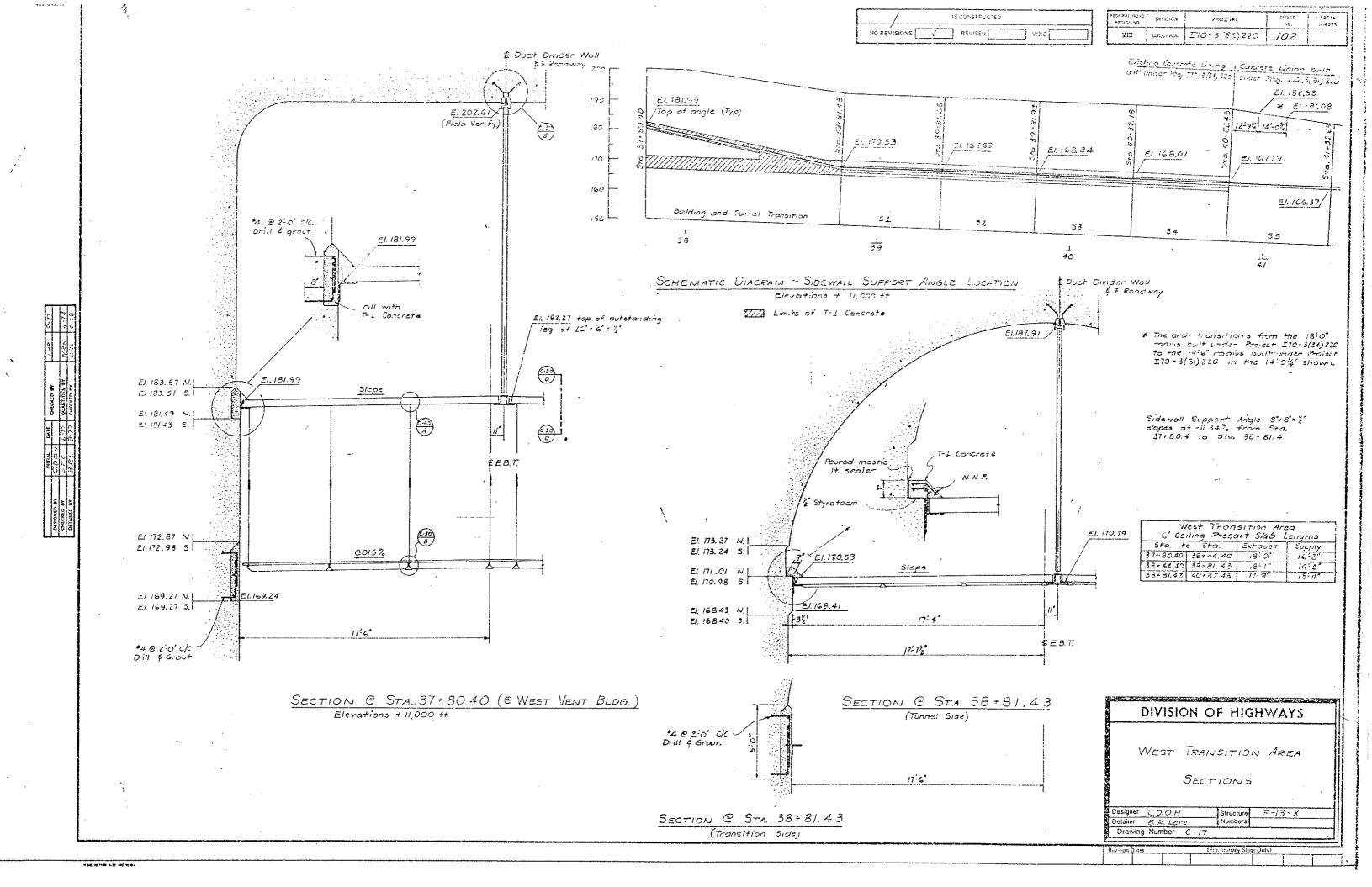


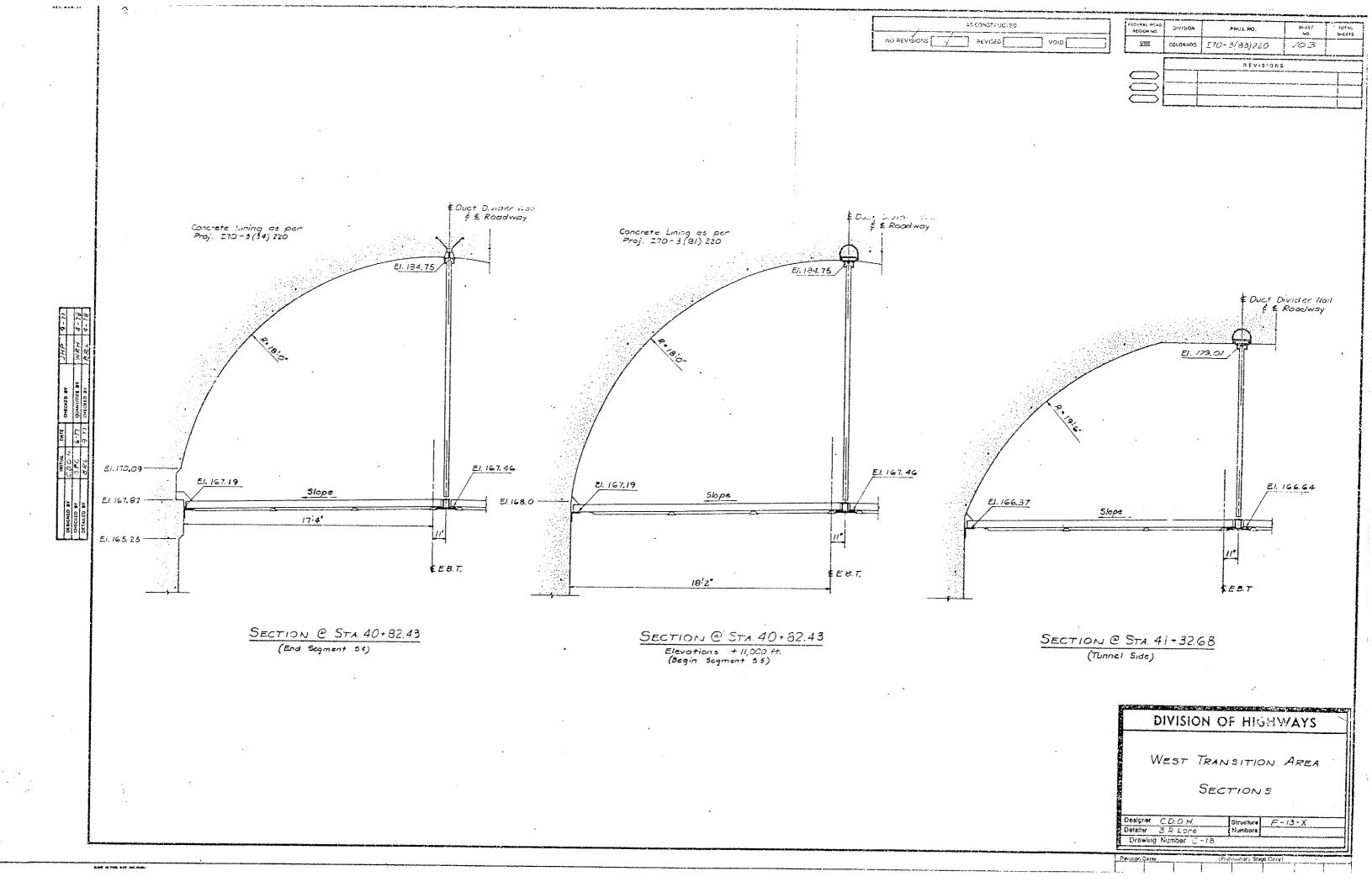
24

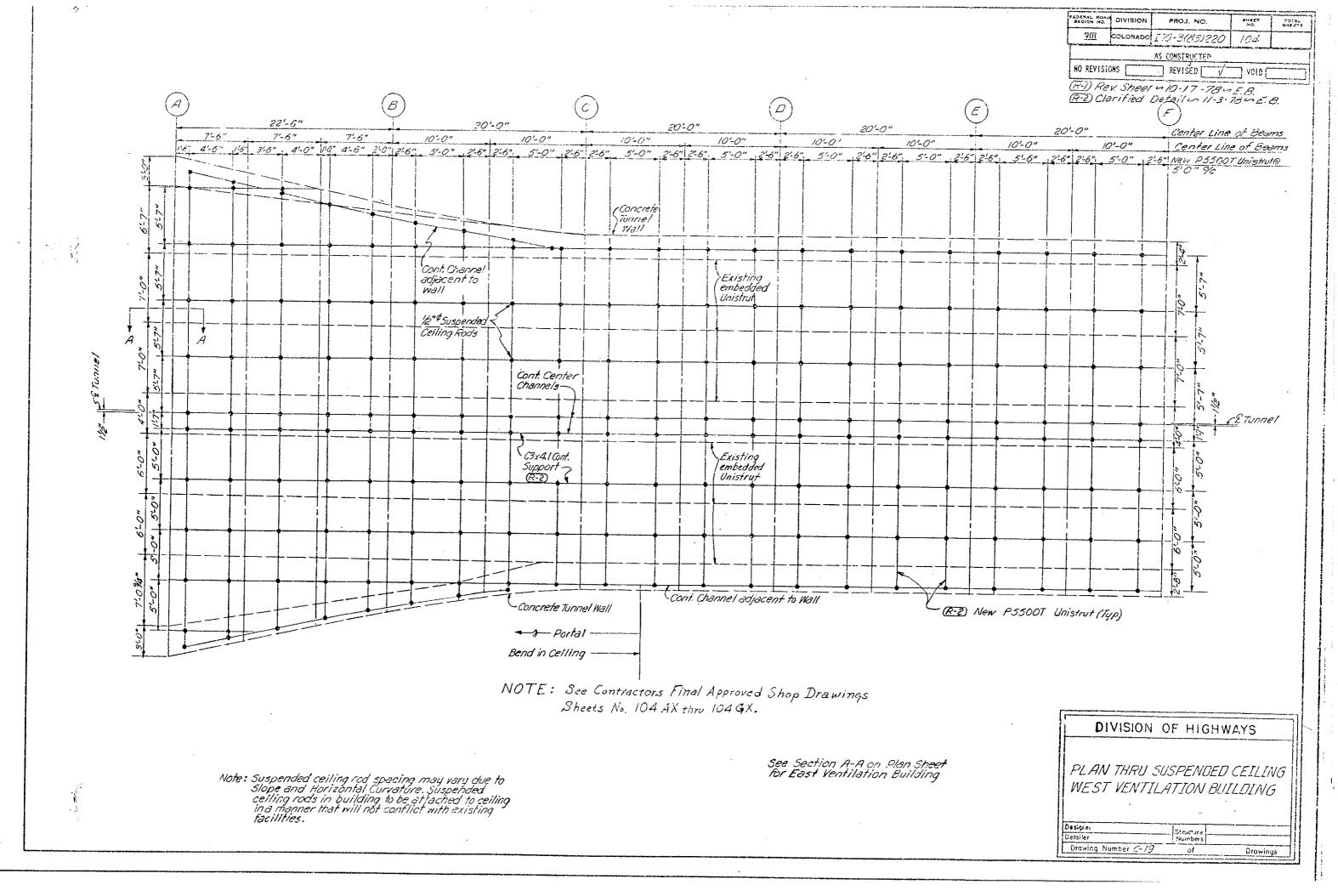
NOTE. Add 11,000 to all elevations

DIVISION O	F HIGH	WAYS:	
DUCT WALL AND WEST TRANS 40+82.43 T	SITION .	AREA	
Designer	Structure	F-13-X	ļ
Detailer	Numbers		۱
Drawing Number C-/6	of	Drowings	1

Scale |"= 4"

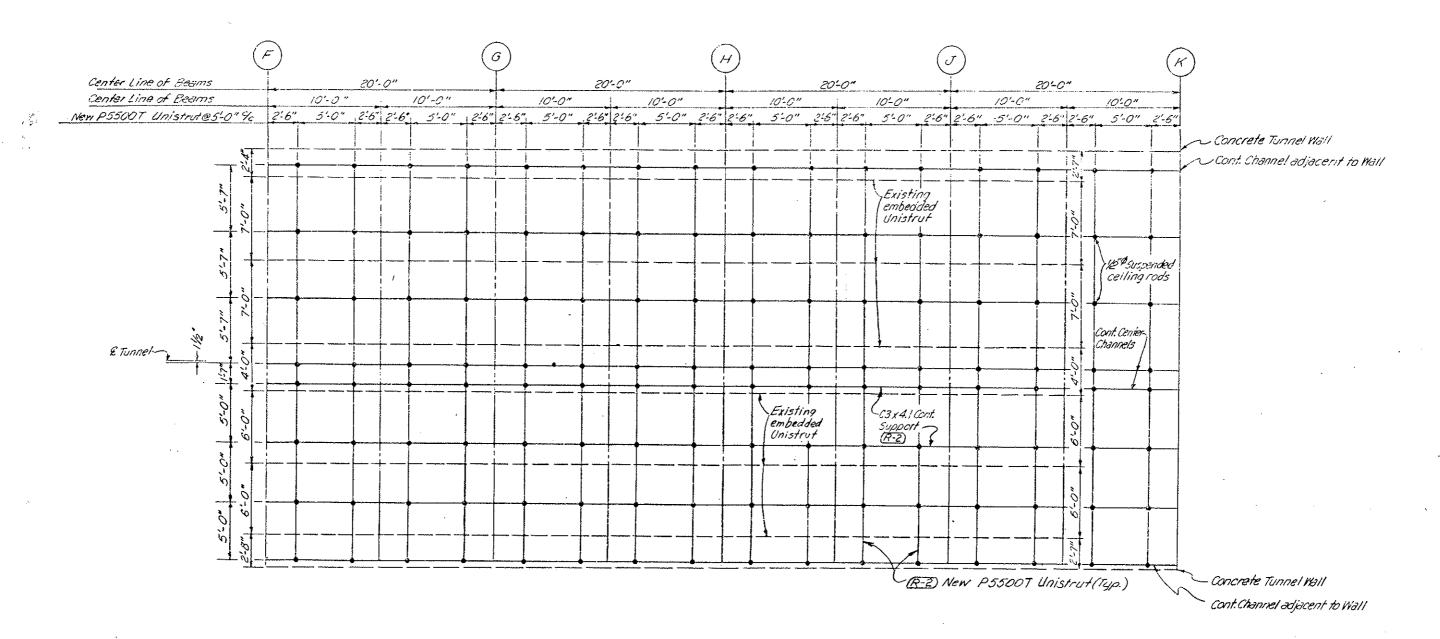






*i* .

FEDERAL ROAD PEGION NO.	DIVISION	PROJ. NO.	SHERT NO.	TOTAL
<u> </u>	COLORADO	170-3(83)220	104X	7
<u> </u>		AS COMSTRUCTED		
NO REVISIO	INS	TEVIŠED T		
(R-I) Ad (R-2) Cl	ded Sh arified	neet ~10-17 - ' Detail ~ 11-3	785E.C	3. F. R

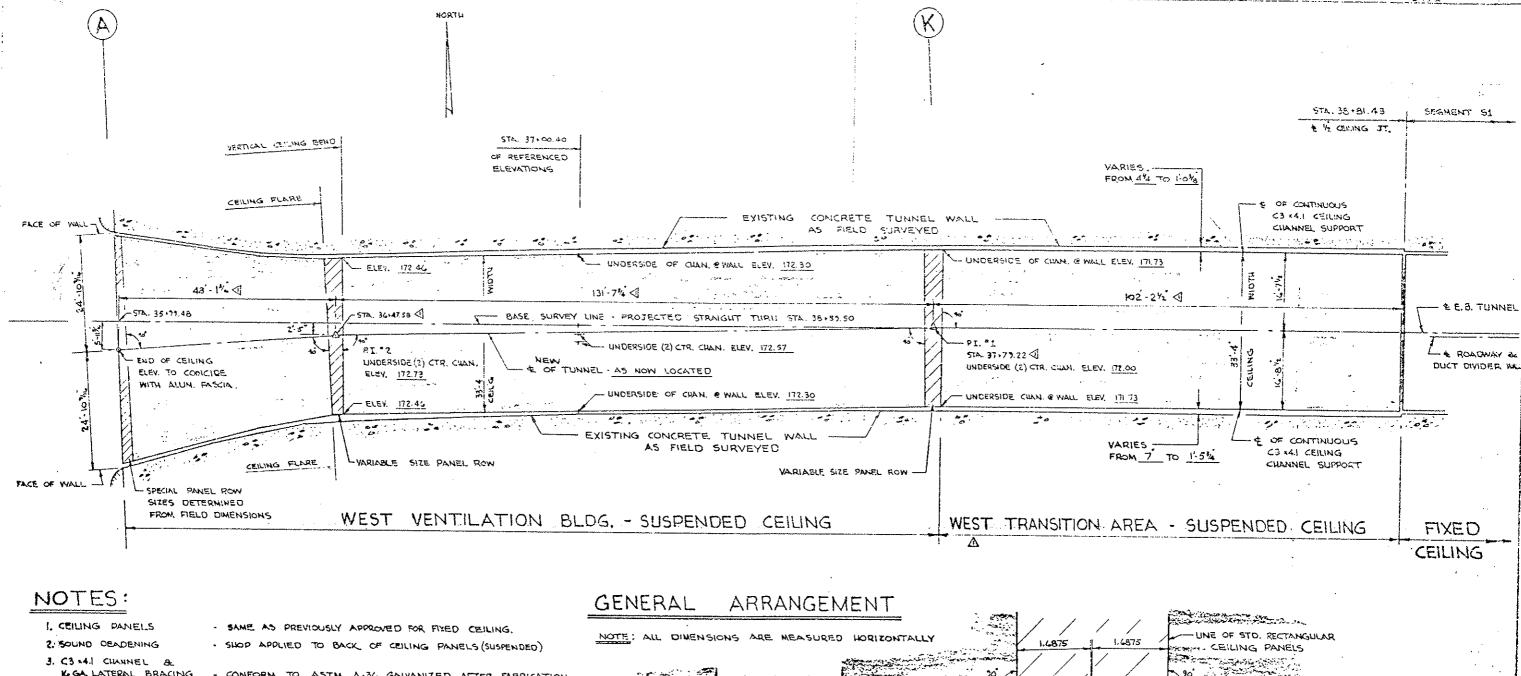


NOTE: See Contractors Final Approved Shop Drawings Sheets No. 104BX thru 104 9X.

DI	<b>VISION</b>	OF	HIG	ЭНИ	/AY	S

PLAN THRU SUSPENDED CEILING WEST VENTILATION BUILDING

Orawings



- KGA LATERAL BRACING
- 4. THREADED HANGER RODS
- 5. NUTS, BOLTS, & WASHERS
- 4. NEW SPEED STRUT
- 7. EXTRUDED ALUMINUM RETAINER & COVER
- 8. FICLO TOUCH UP

- CONFORM TO ASTM A-36, GALVANIZED AFTER FABRICATION
- IN ACCORDANCE WITH ASTM A. 123
- CONFORM TO ASTM A-3C, CADMIUM PLATED IN ACCORDANCE WITH ASTM A-165
- CONFORM TO ASTM A-307 GRADE A, CADMIUM PLATED IN ACCORDANCE WITH ASTM A-165.
- FURNISHED IN STOCK LENGTHS . ELECTRO GALVANIZED
- . SAME AS PREVIOUSLY APPROVED FOR FIXED CEILING
- ALL MATERIALS CUT TO SIZE IN THE FIELD MUST BE COATED WITH A ZINC-RICH APPROVED PAINT, SPEC. MIL . P21035.

## 90 TO PI'S - E EB TUNNEL - LINE OF STO, RECTANGULAR CEILING PANELS VARIABLE PANELS TO END OF HALLEN . RI.'I CEILING & PORTAL The Francisco GRID -PANELS LINE OF STO, RECTGUAR CEIUNG PANELS -GRID AND P.I. LAYOUTS EISENHOWER MEMORIAL TUNNEL 2ND. BORE PROJECT NO.I 70-3(83)220

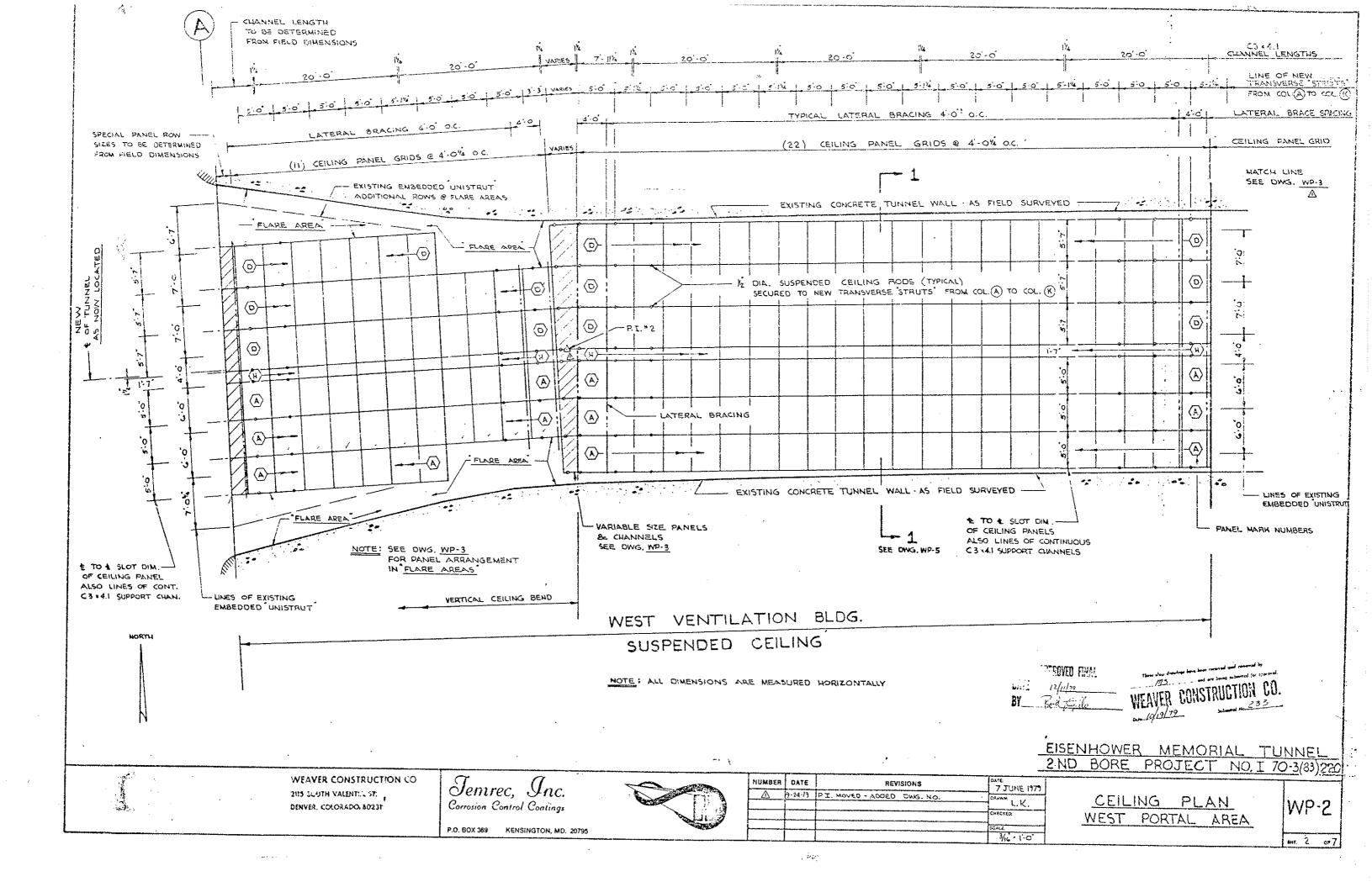
WEAVER CONSTRUCTION CO 2115 SOUTH VALENTIA ST. DENYER, COLORADO 30231

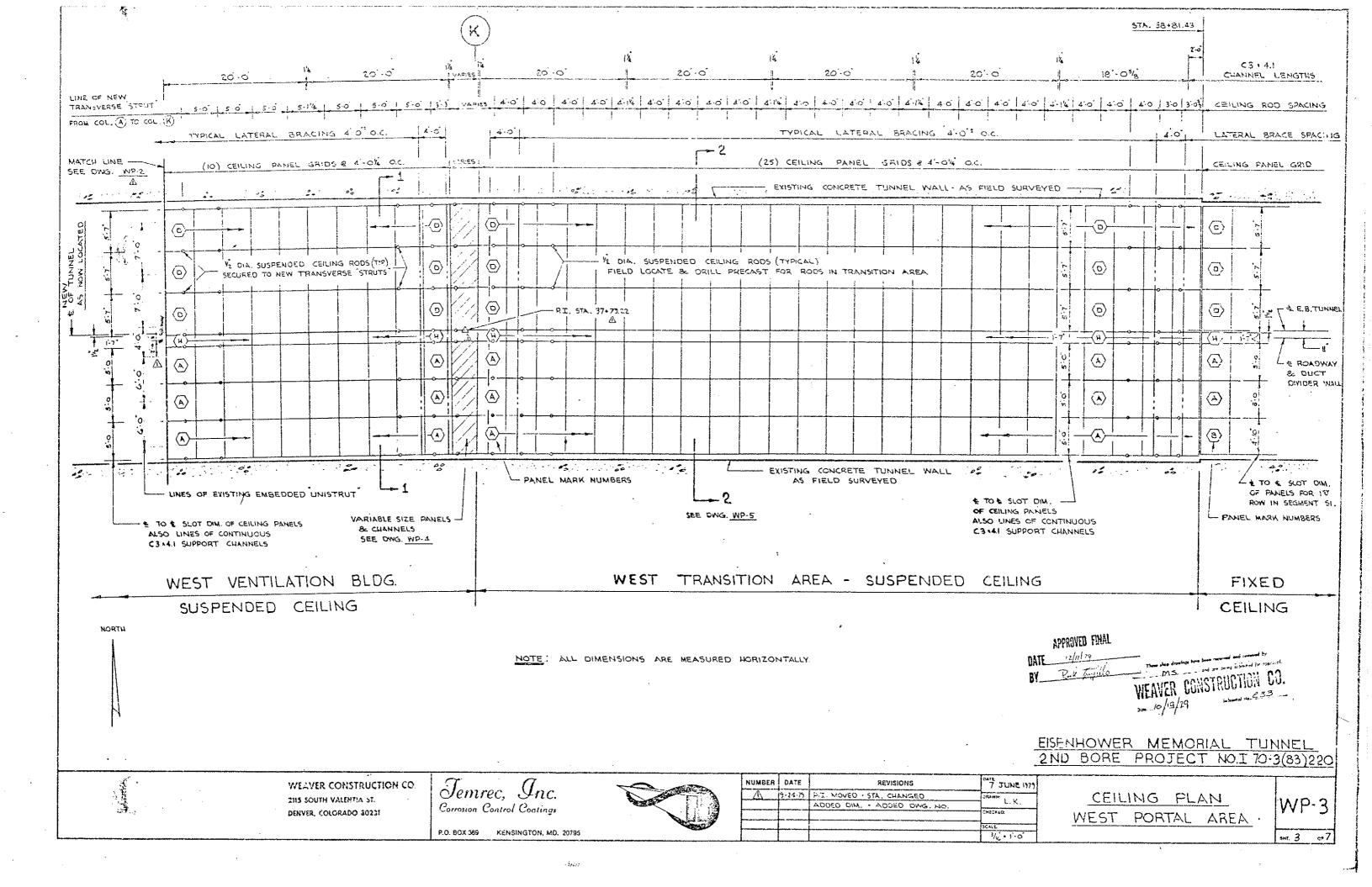
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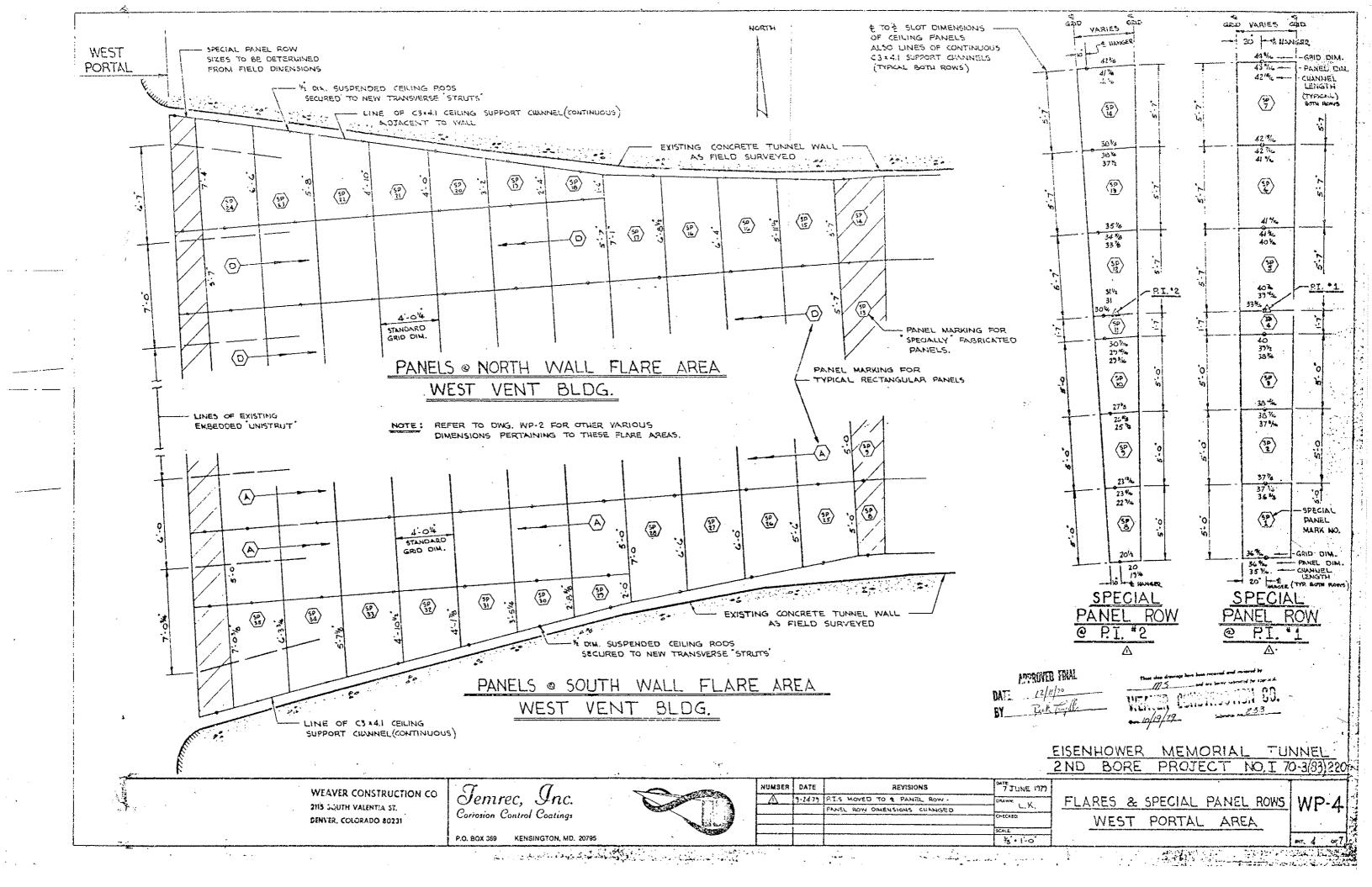
Jemrec, Inc. Corrosion Control Coatings P.O. BOX 389 KENSINGTON, MO. 20795 MUMBER | DATE REVISIONS 7 JUNE 1979 9-14-77 RI. STA. MOVED - HORZ. DIM. CHANGED NOTE CHANGED - ADD P.T. LAYOUTS.

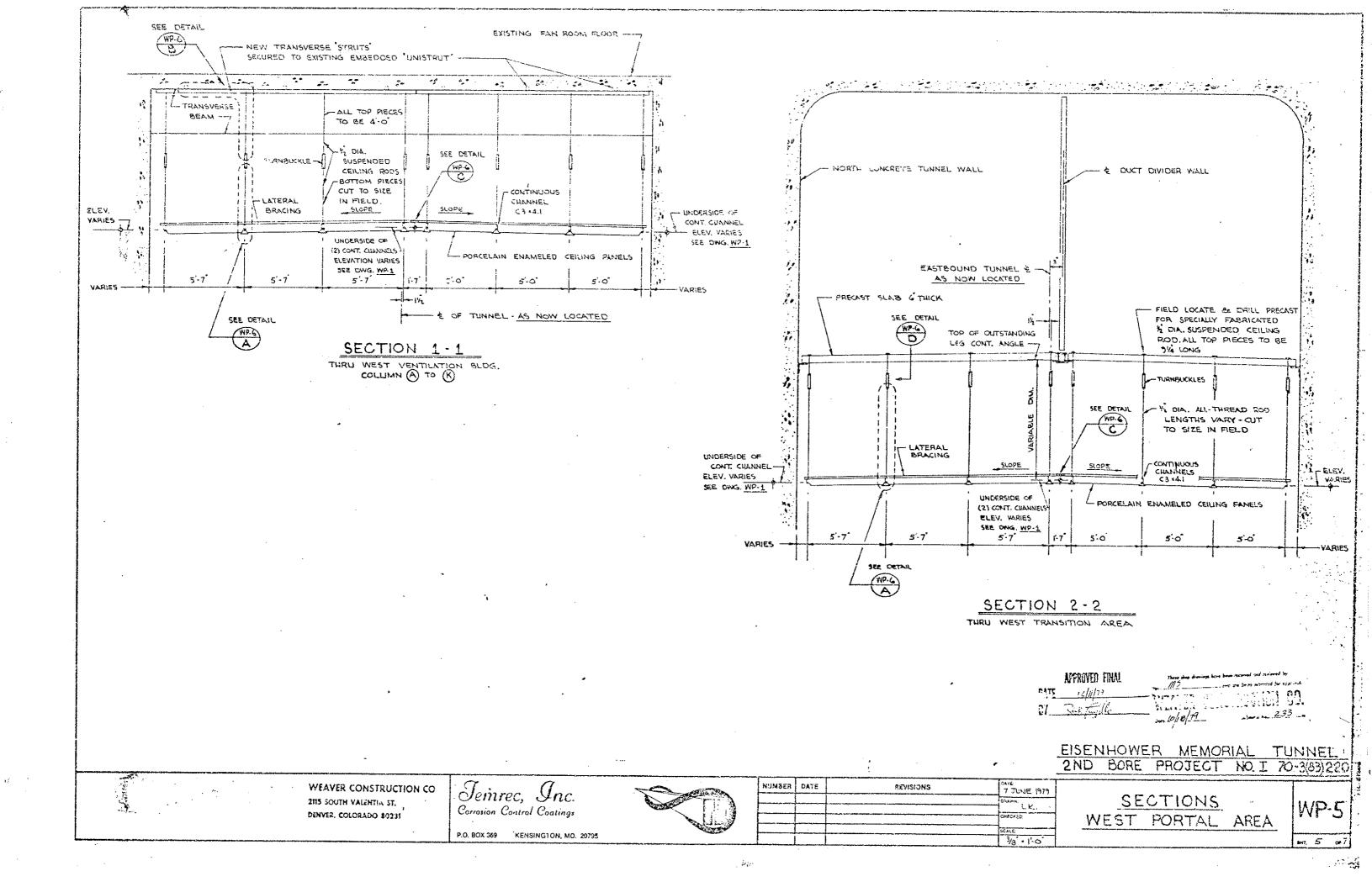
SUSPENDED CEILING WEST PORTAL AREA

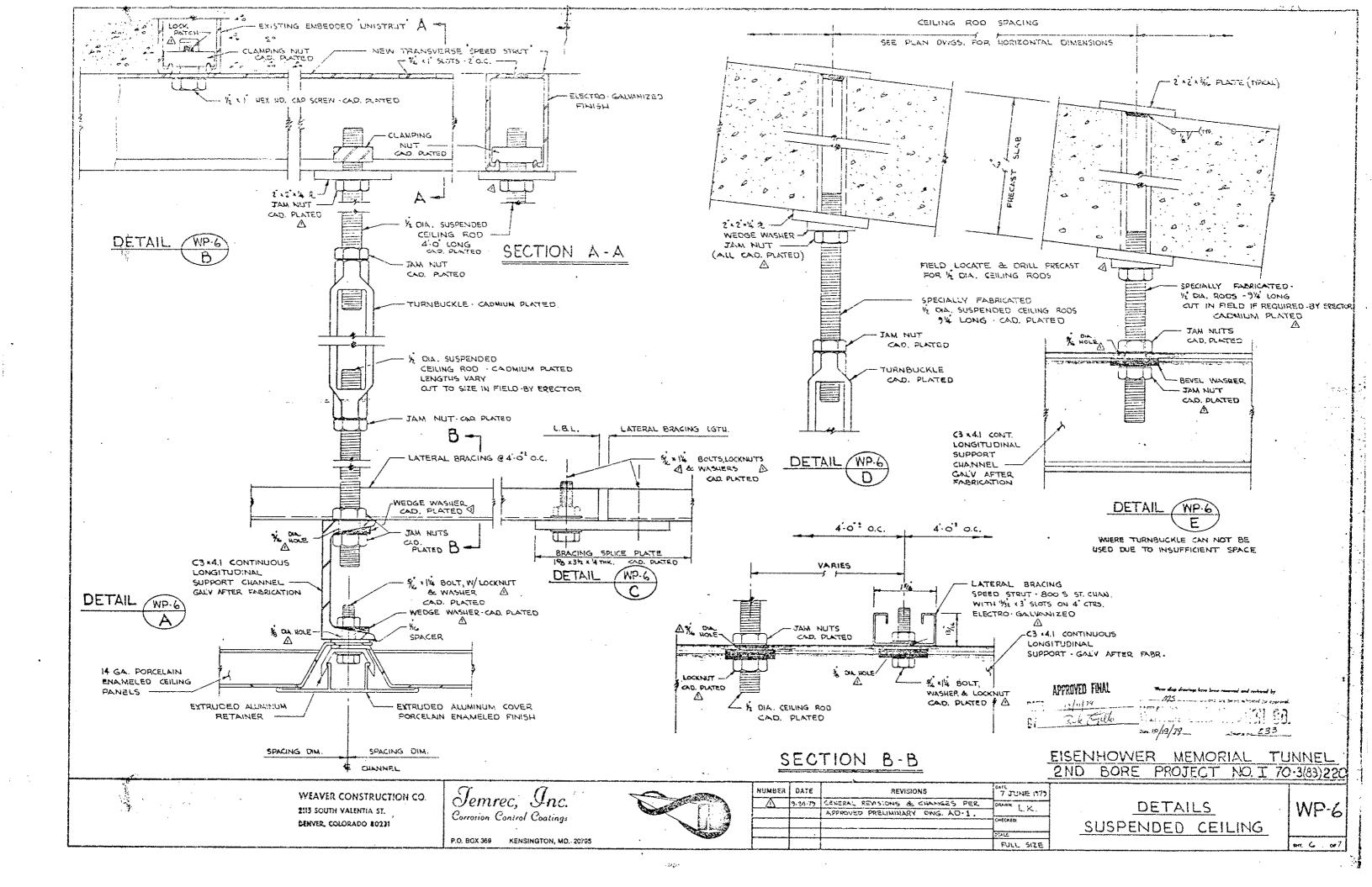
WP-1 um 1 or 7

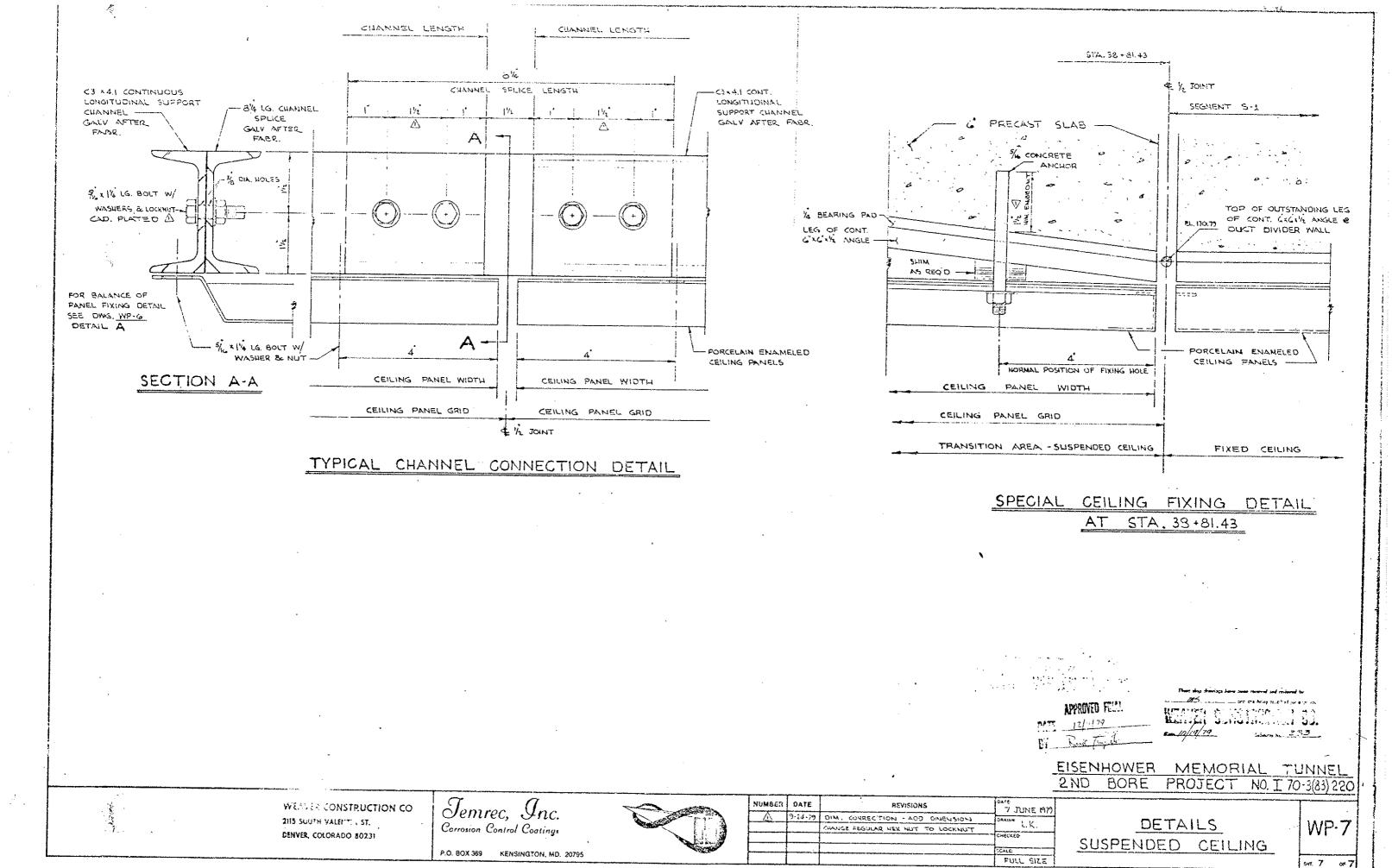


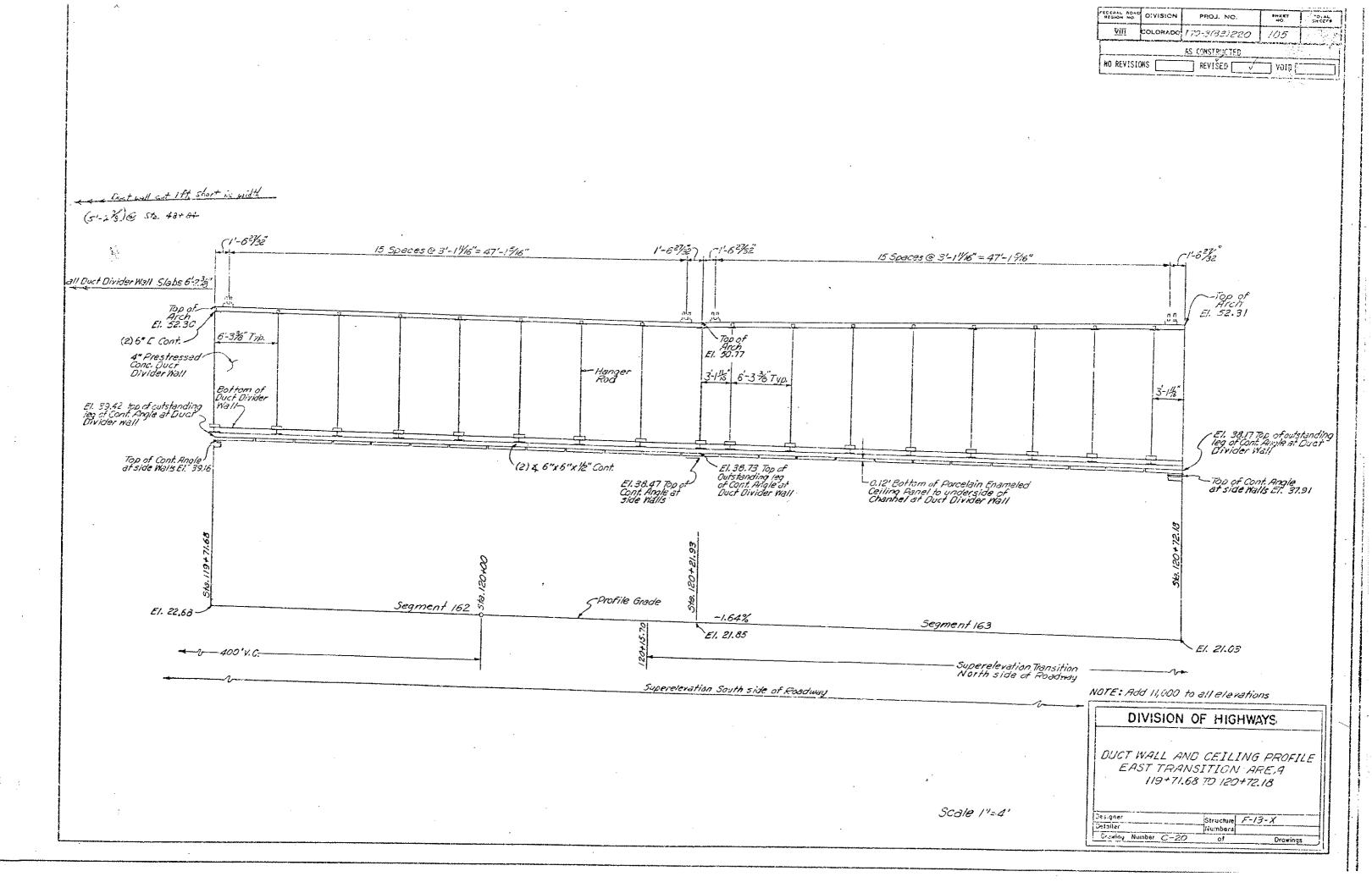


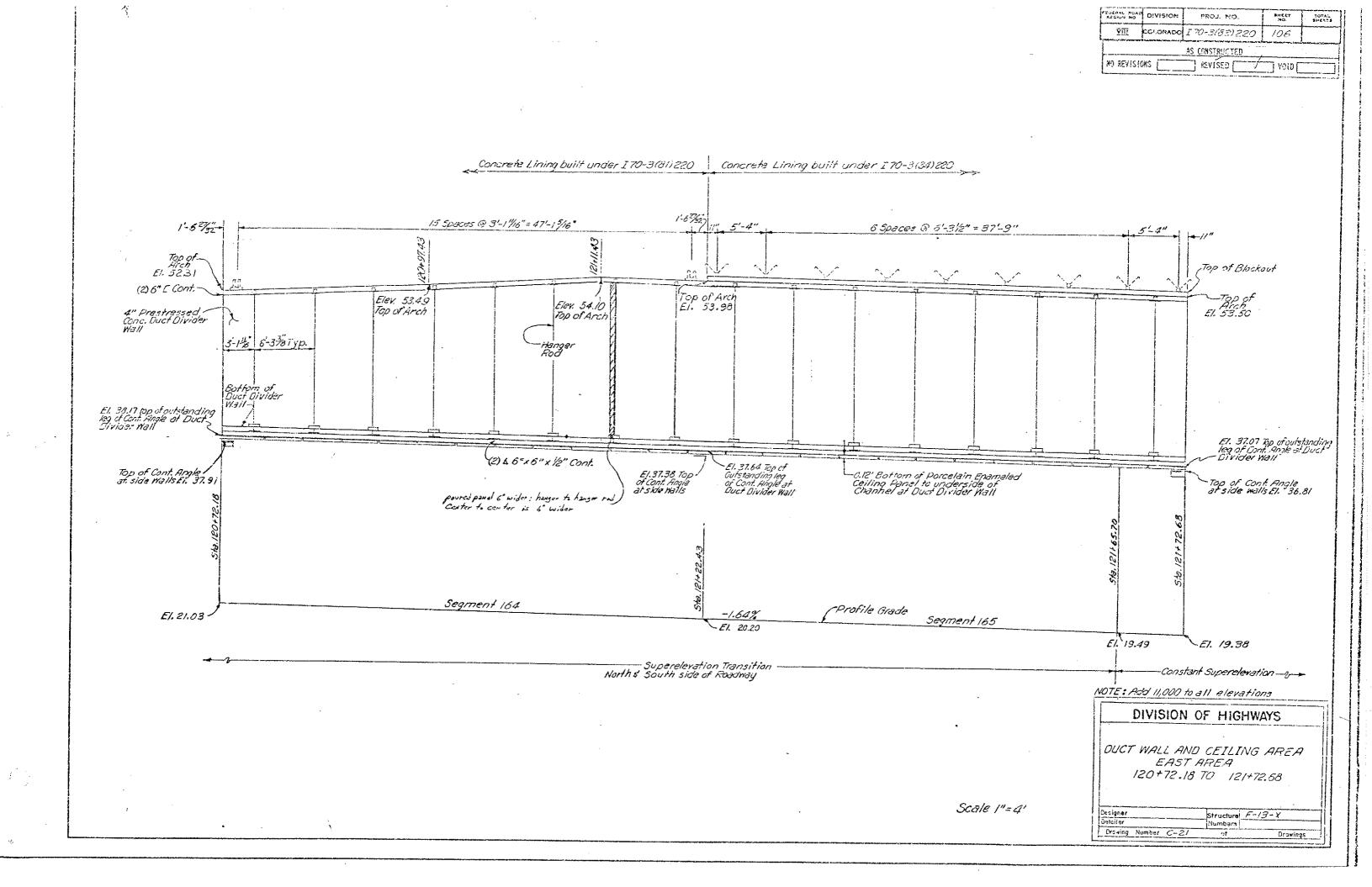


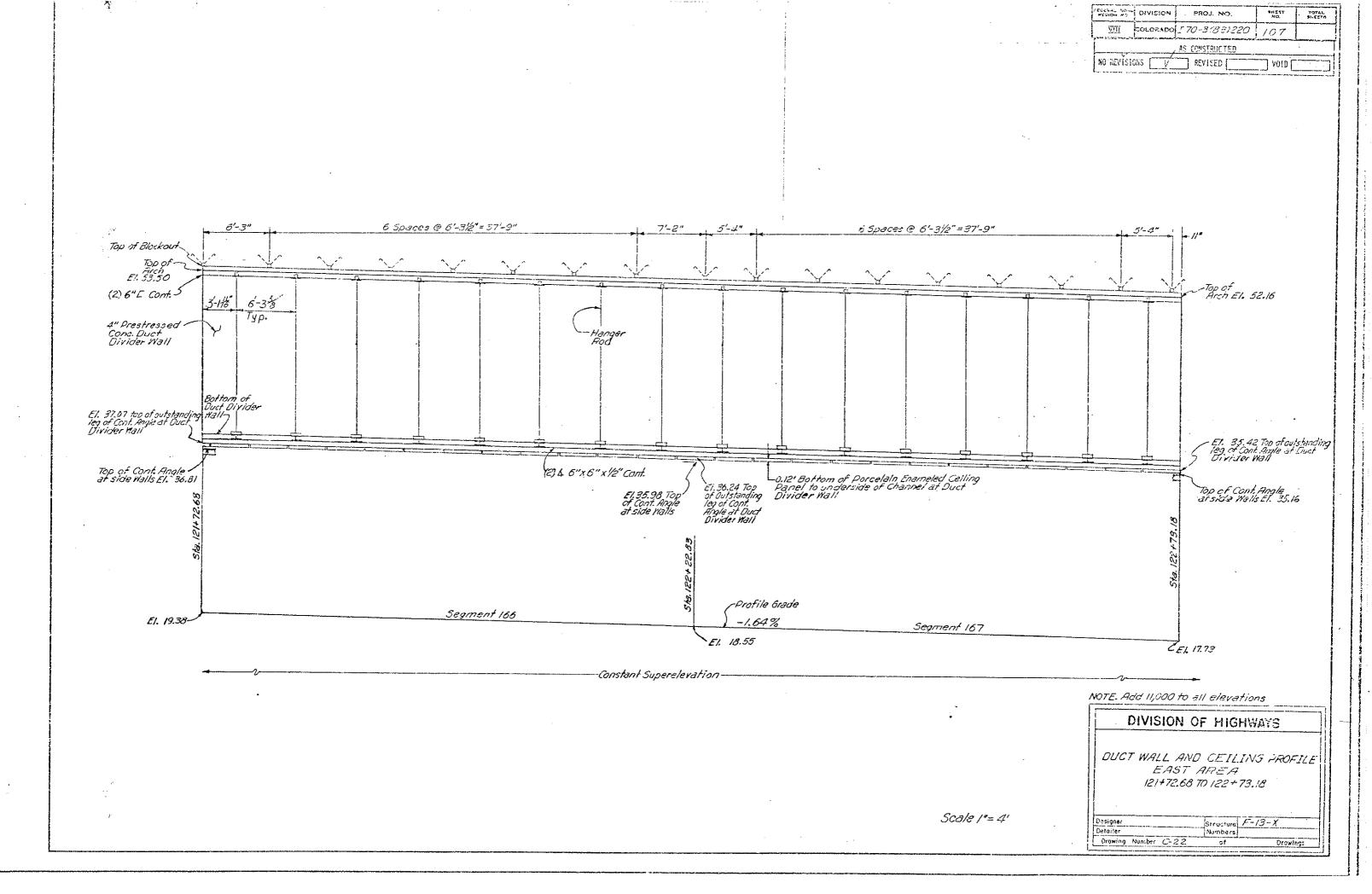


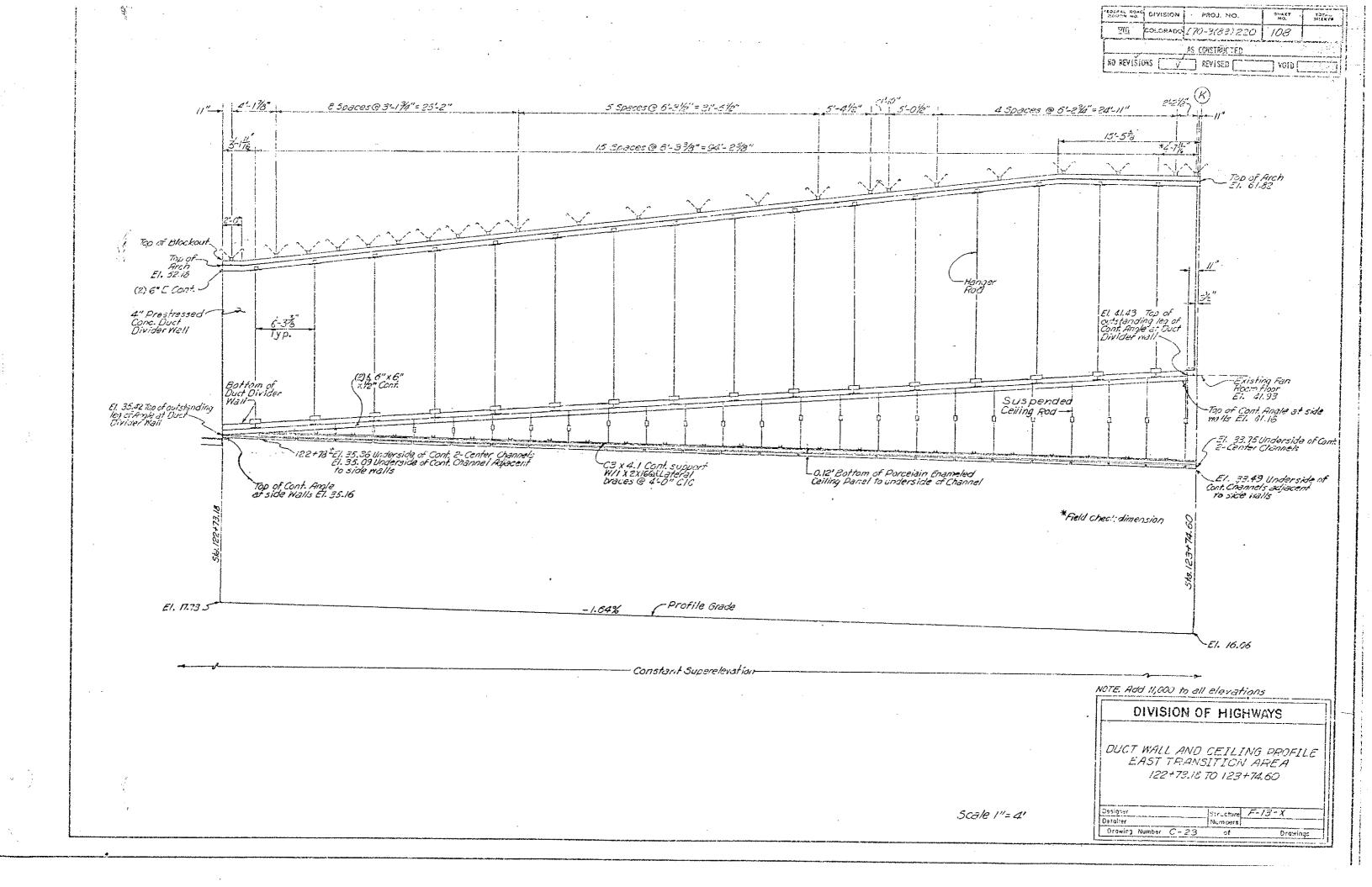


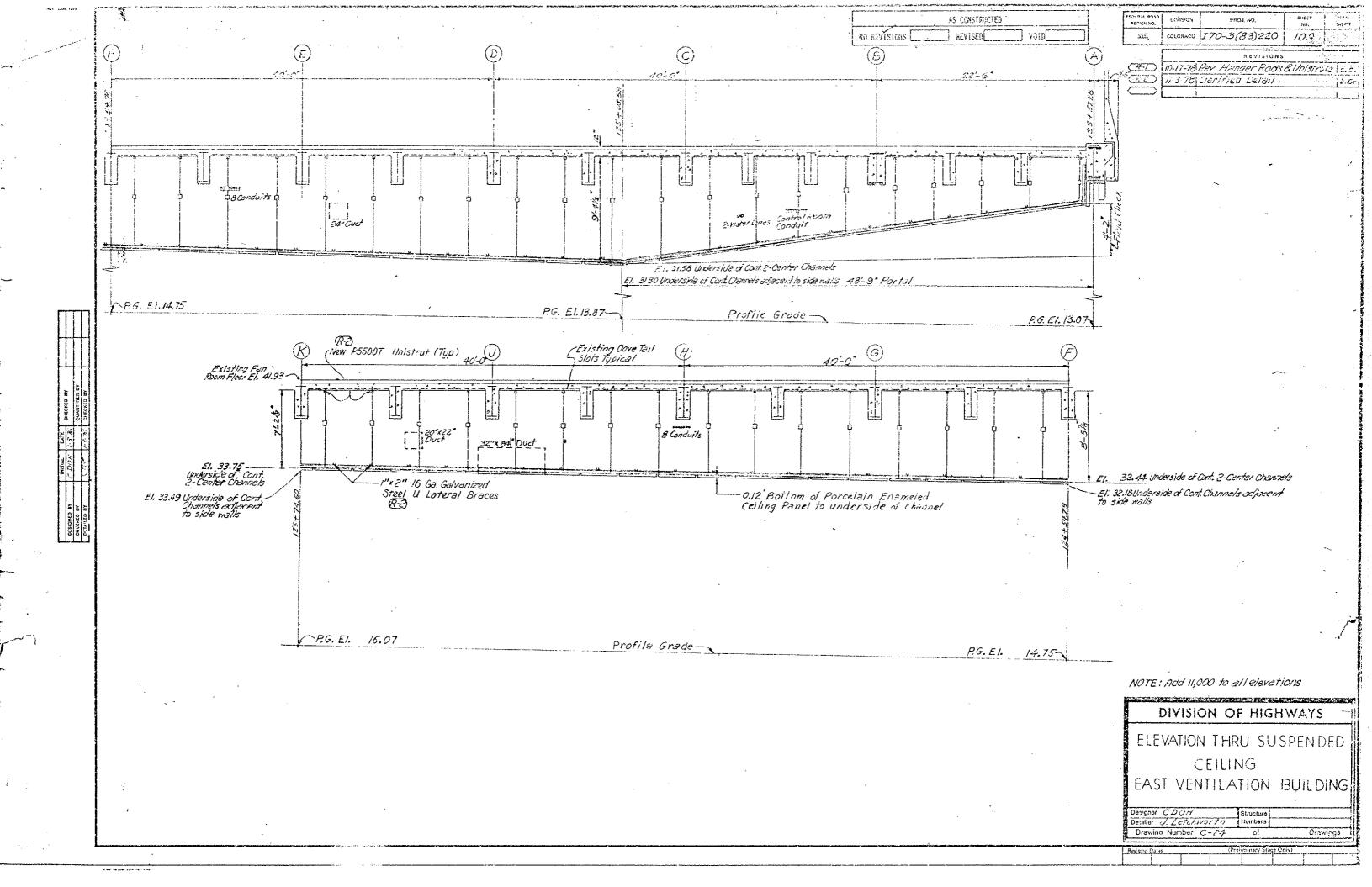


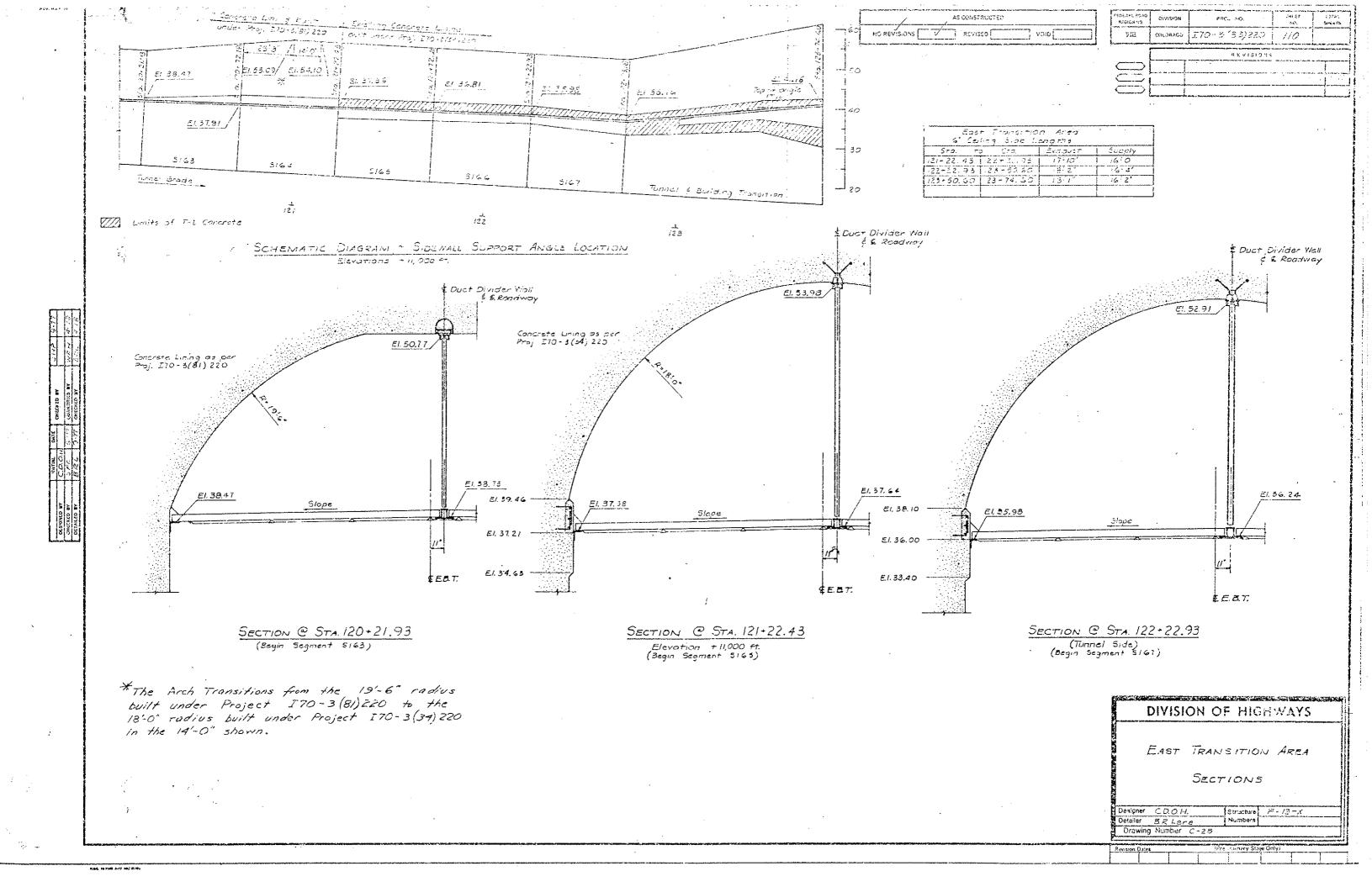


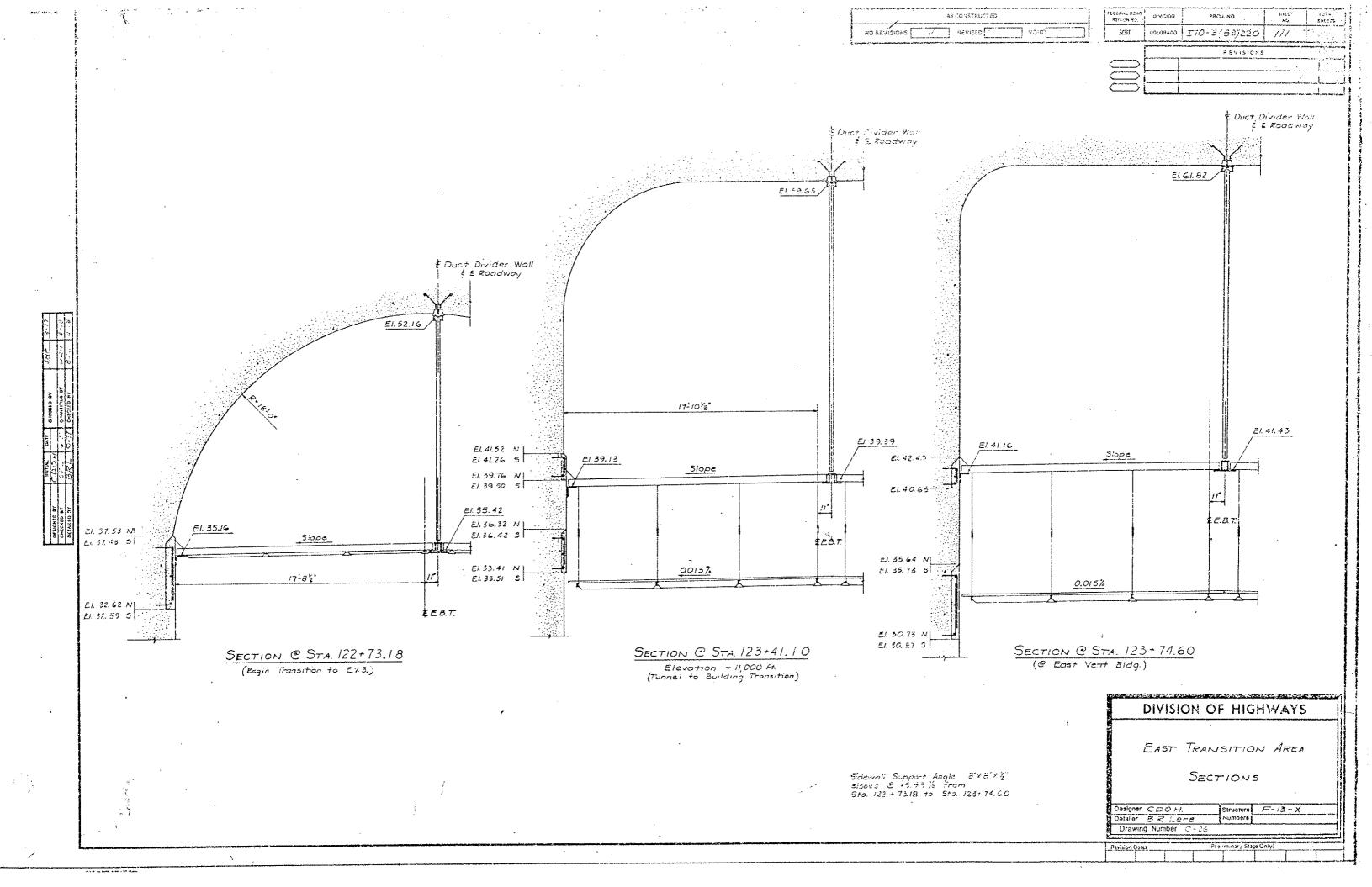




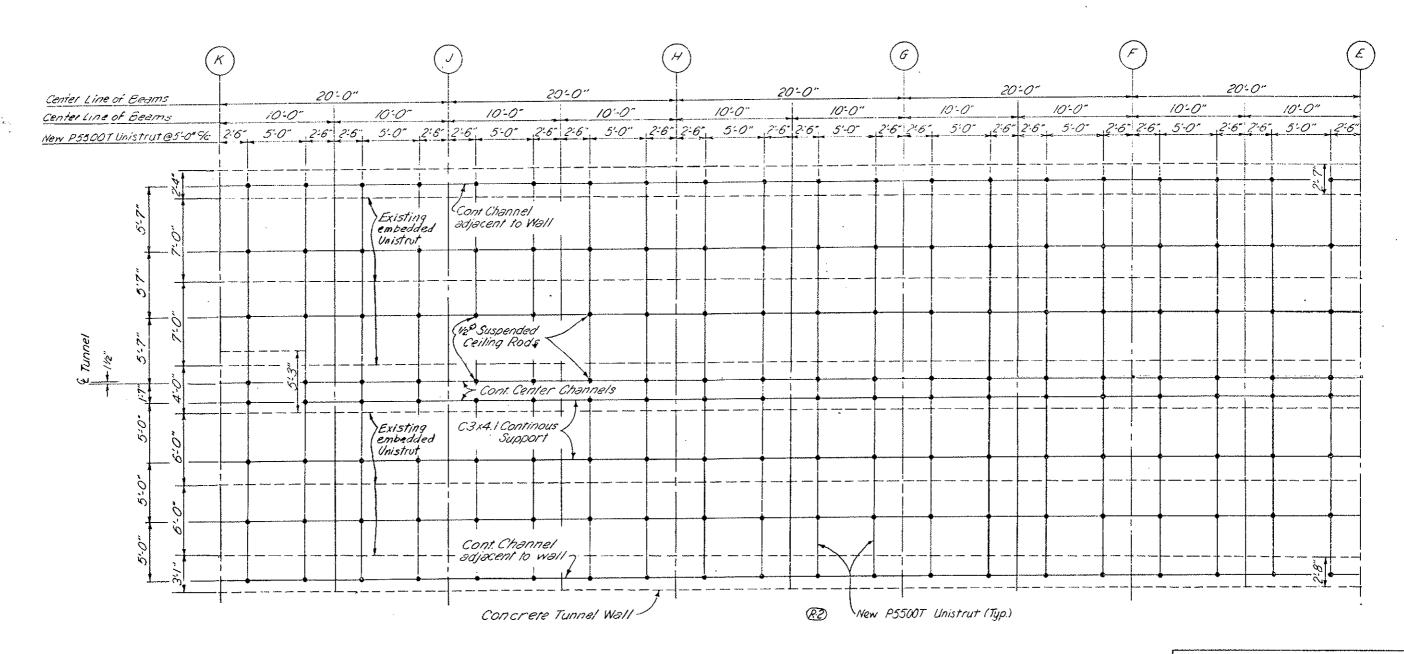






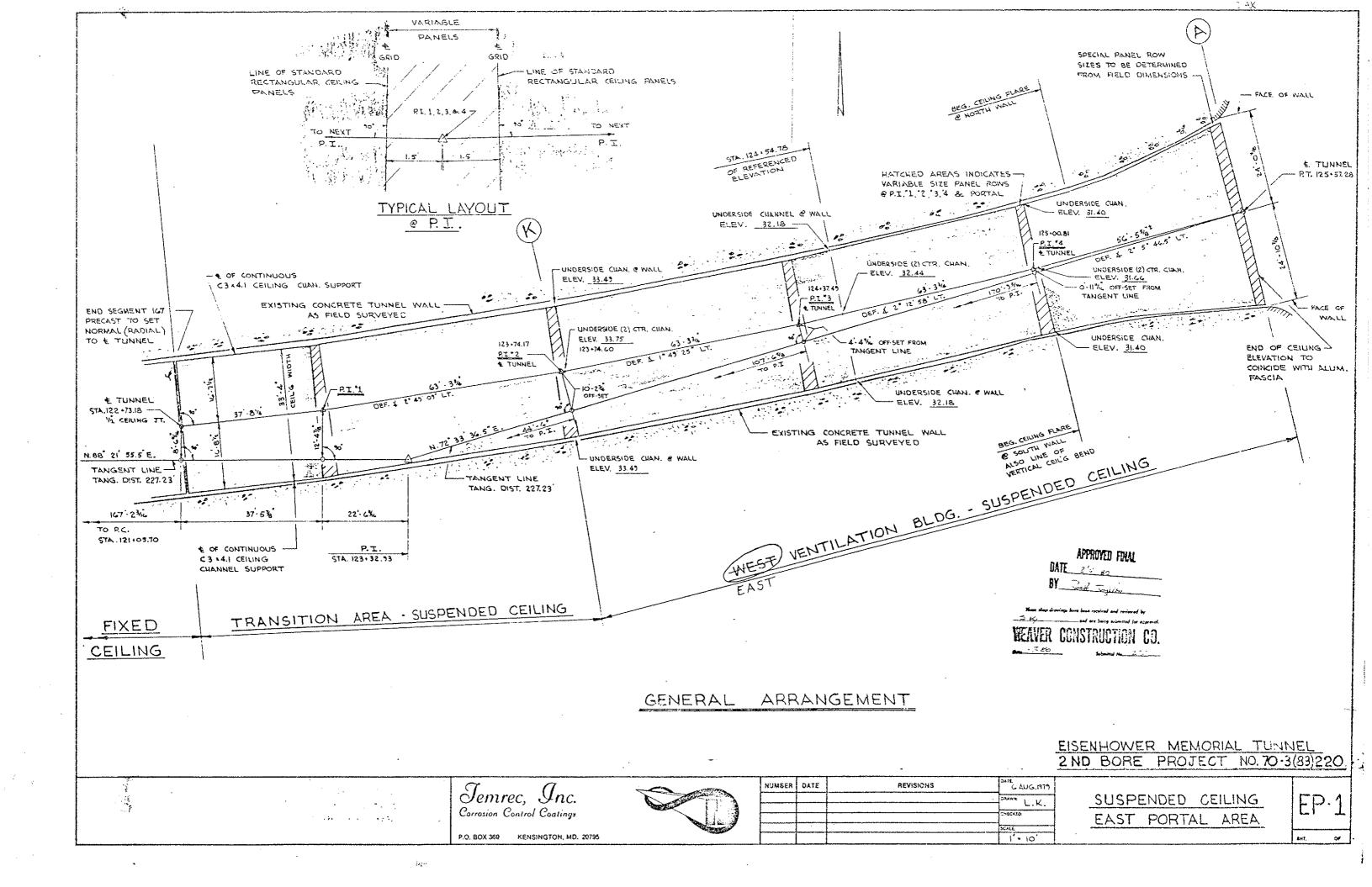


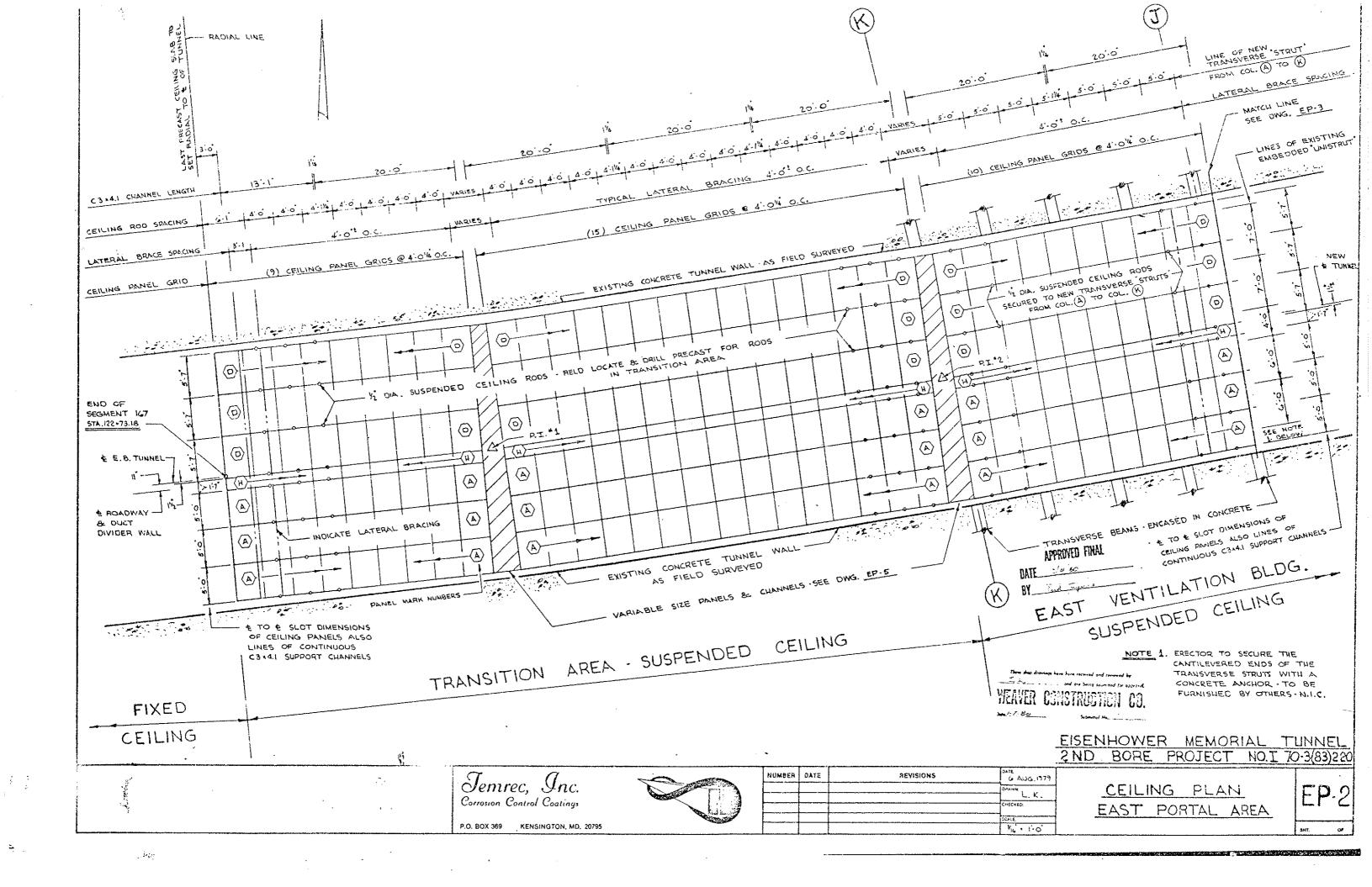
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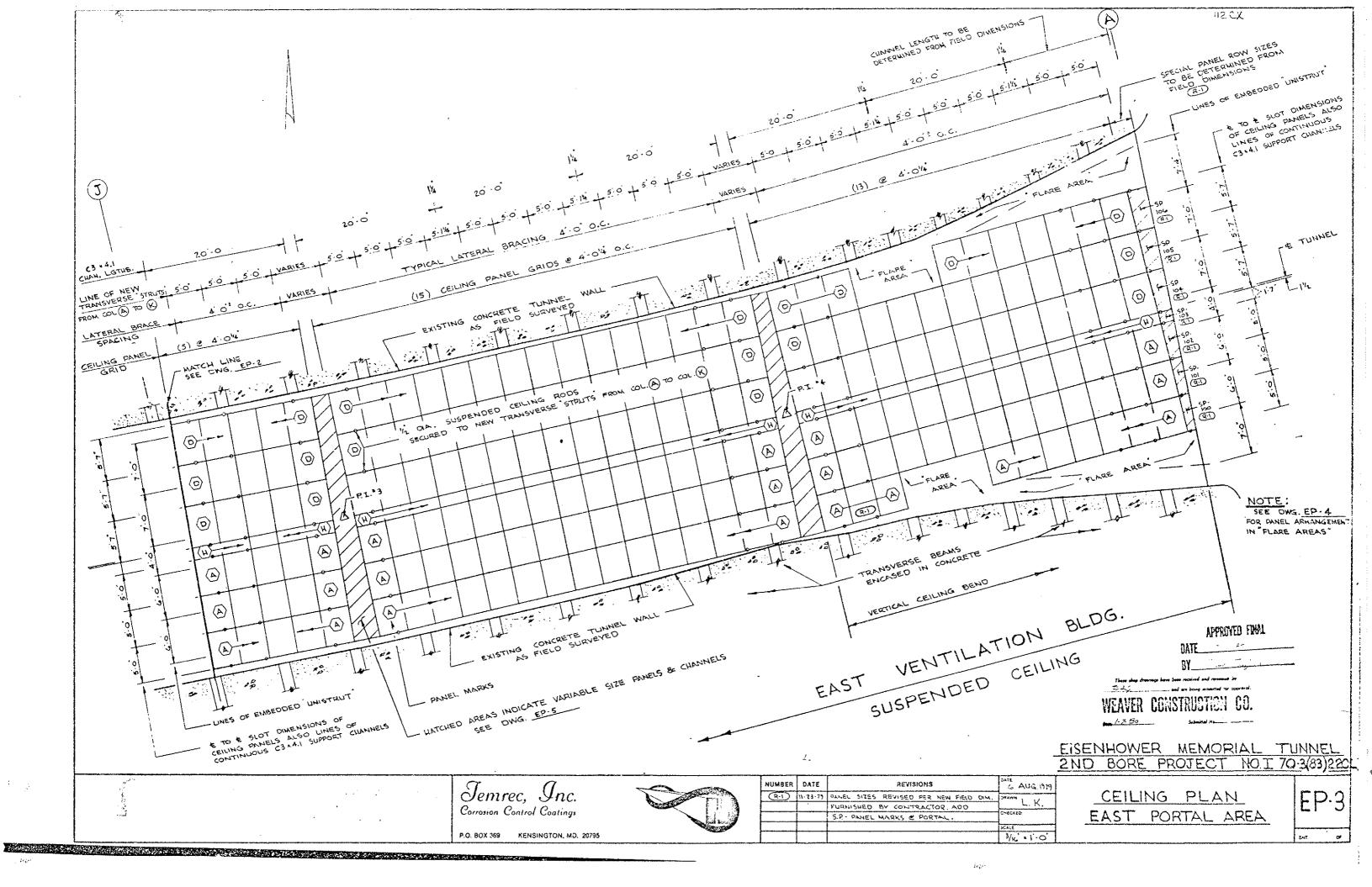


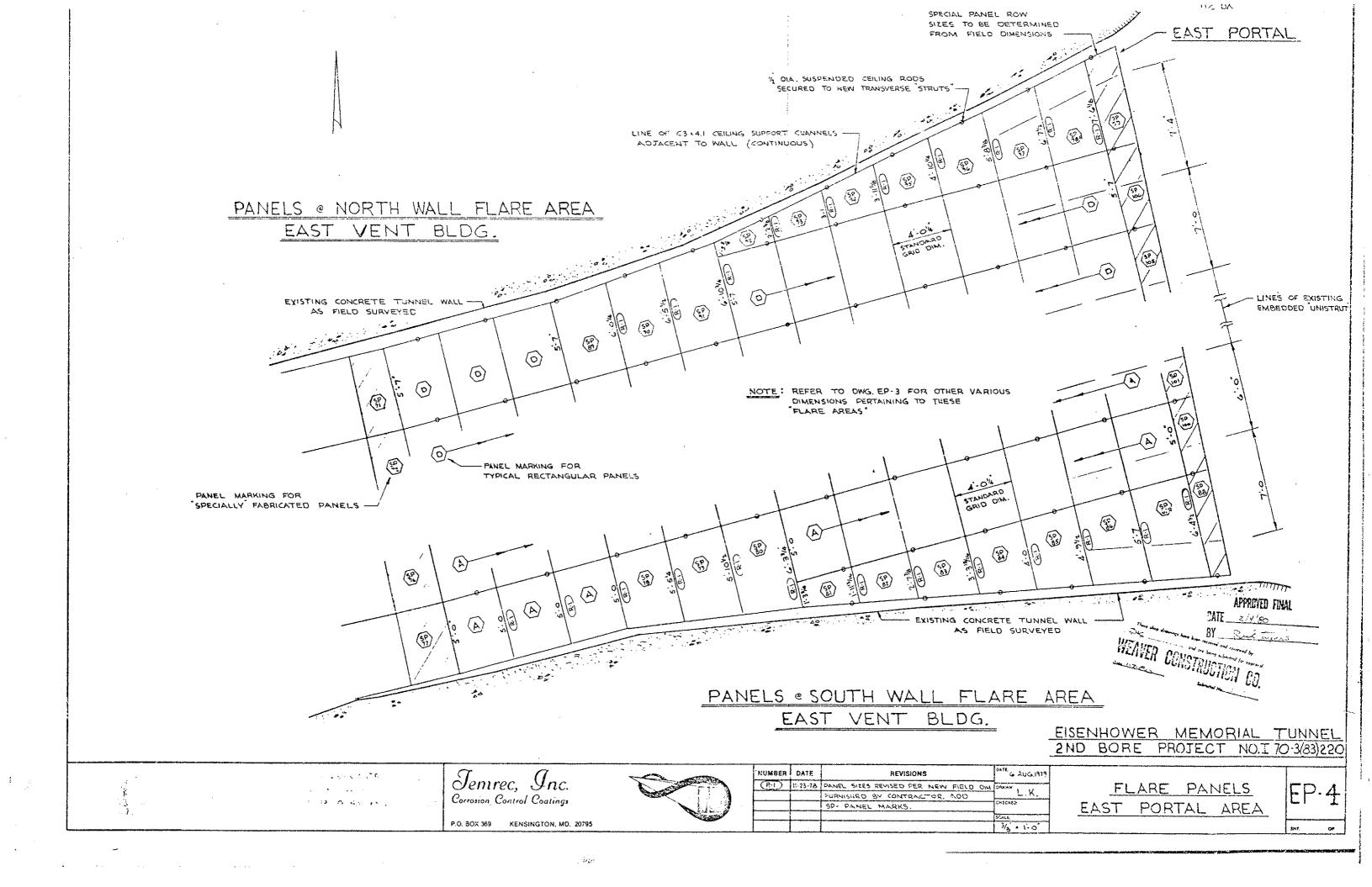
NOTE: See Contractor's Final Approved Shop Drawings Sheets No. 112 AX thru 112 EX.

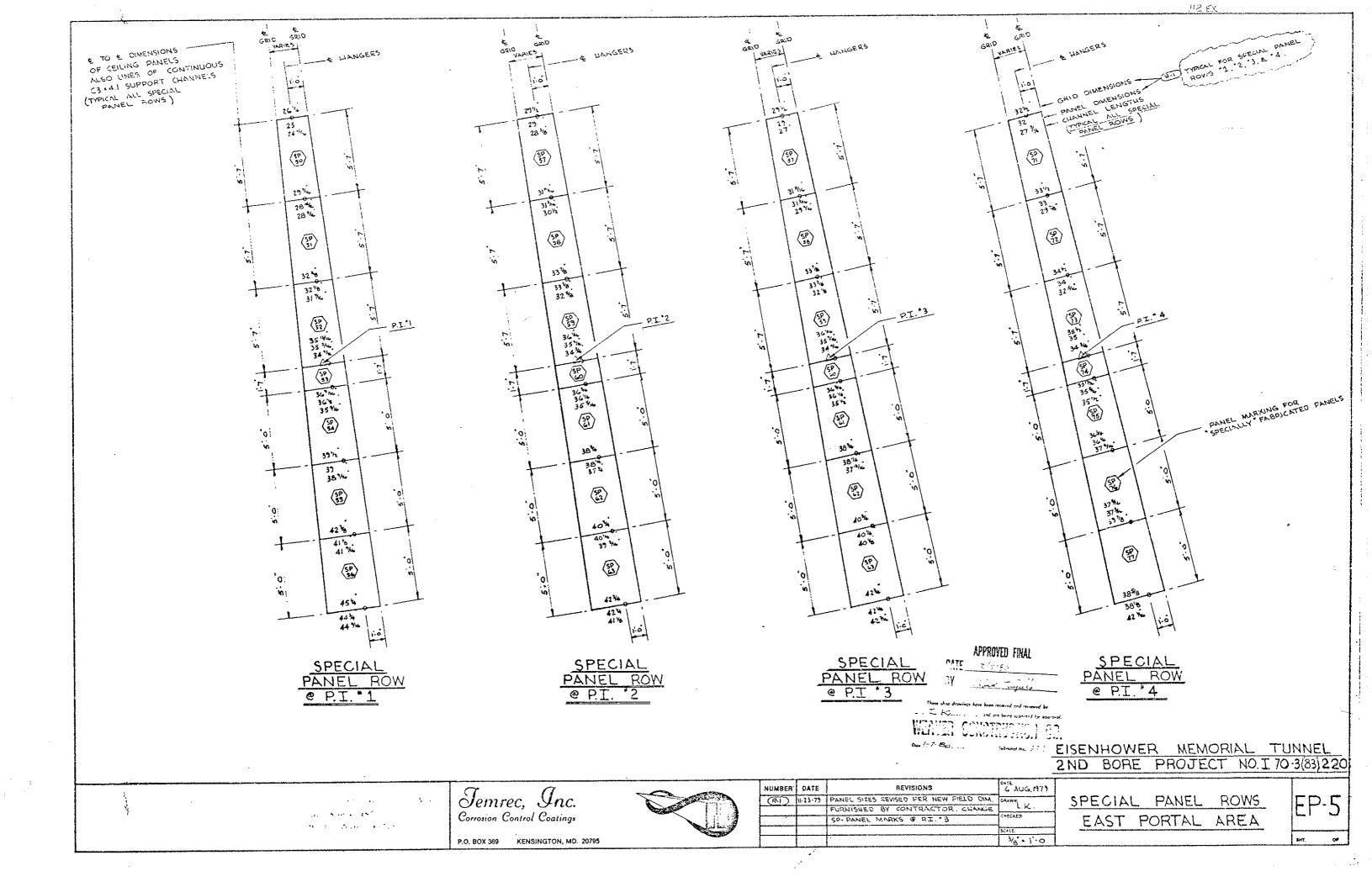
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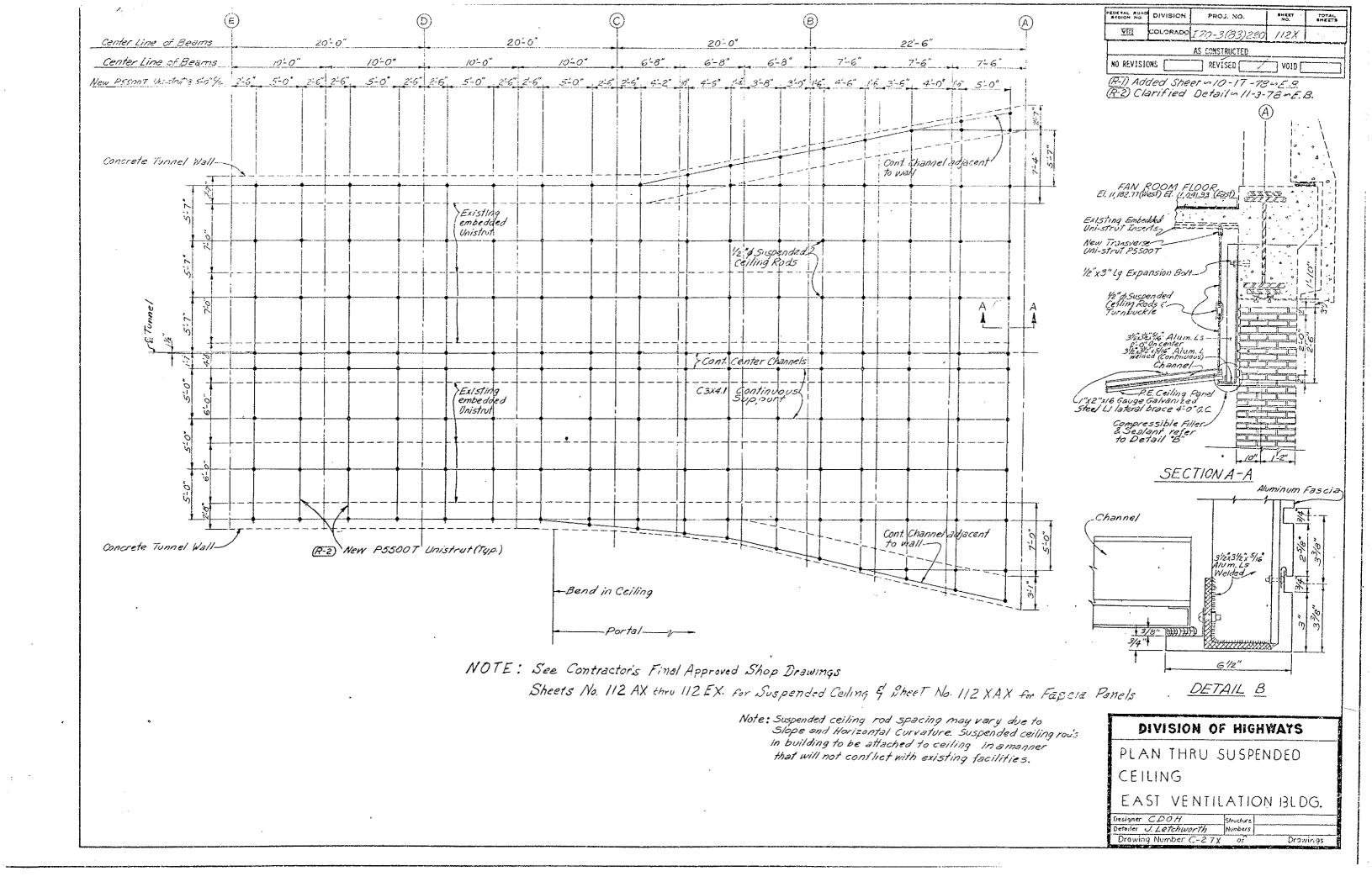


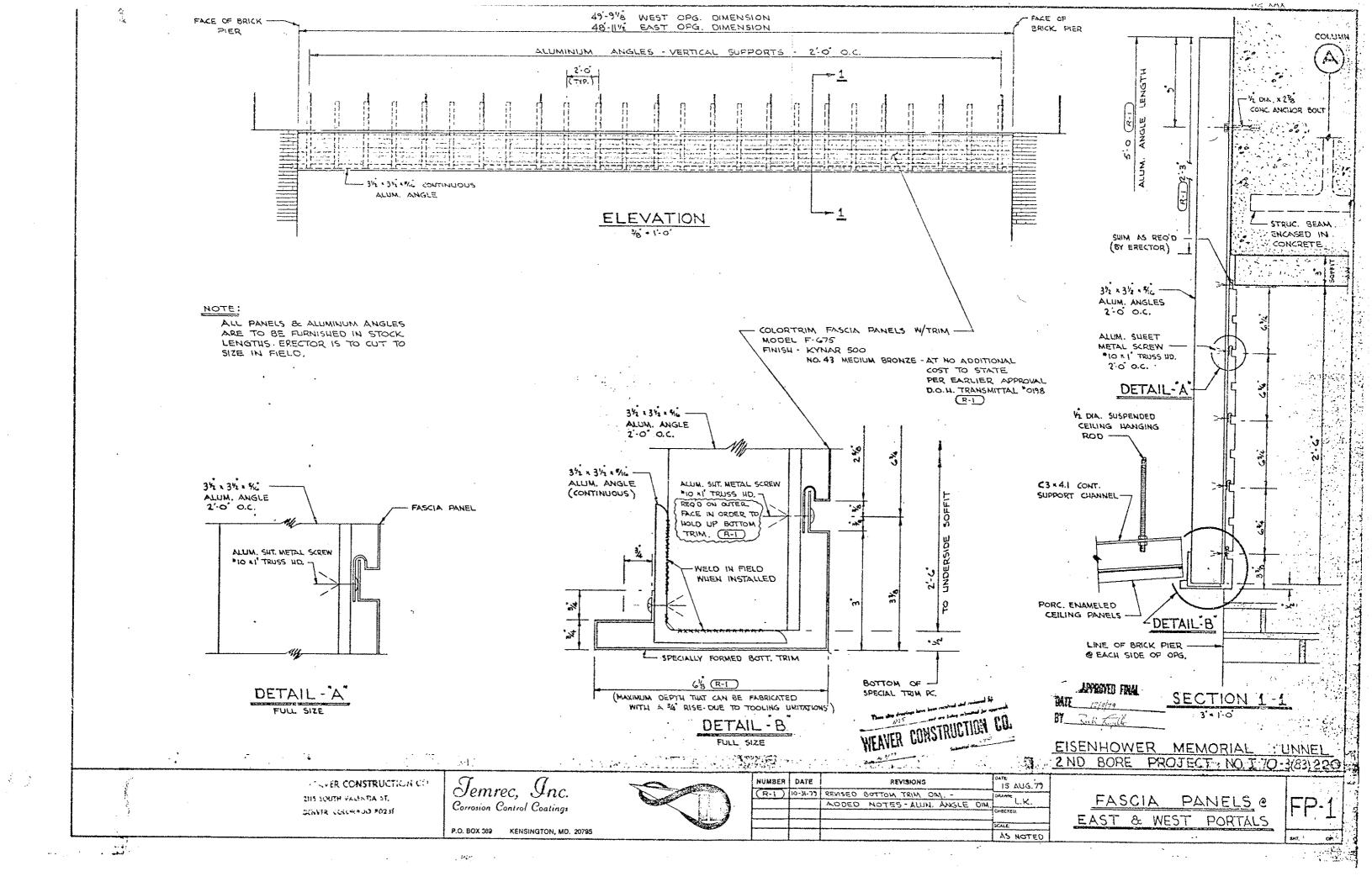


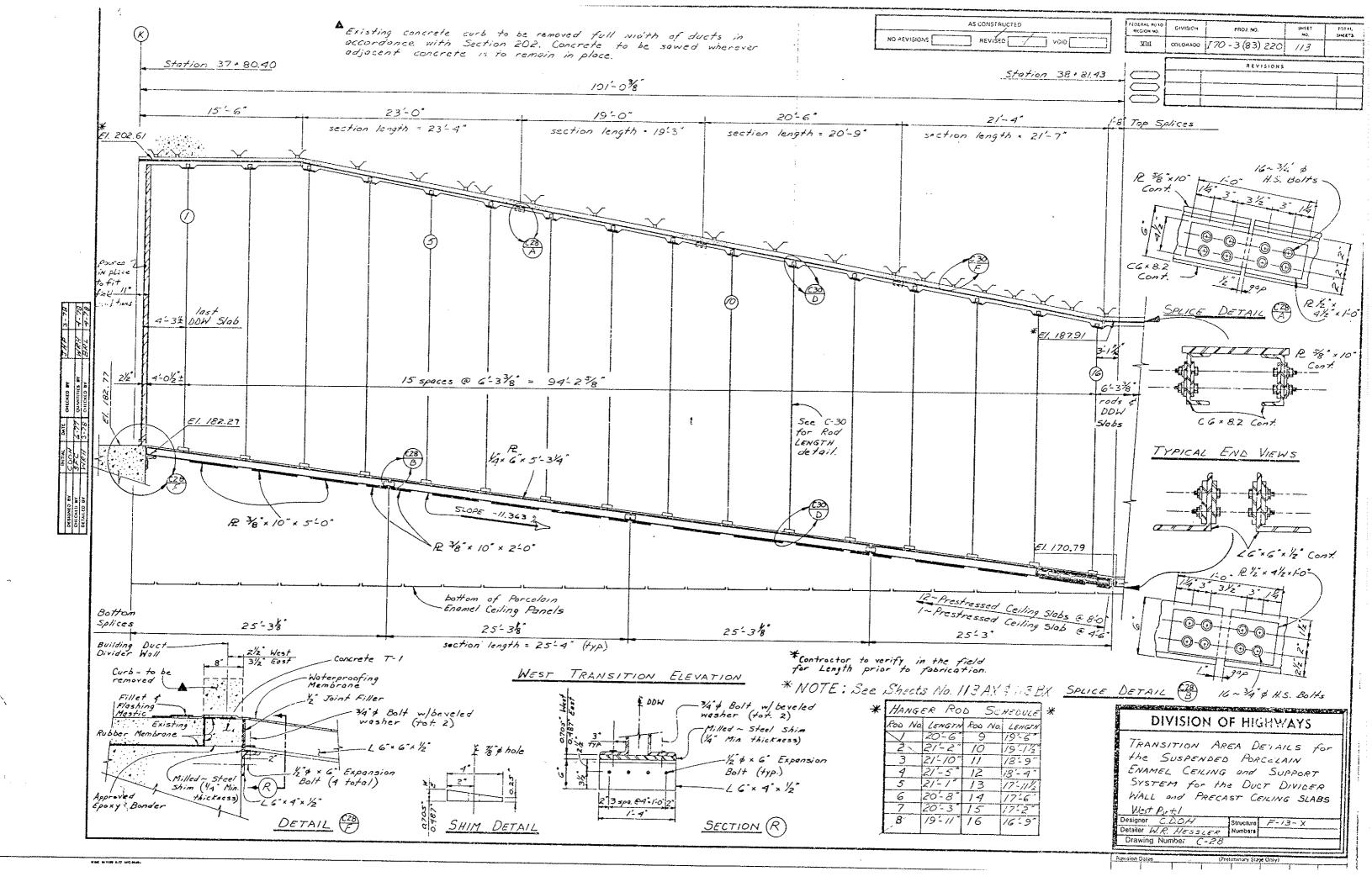


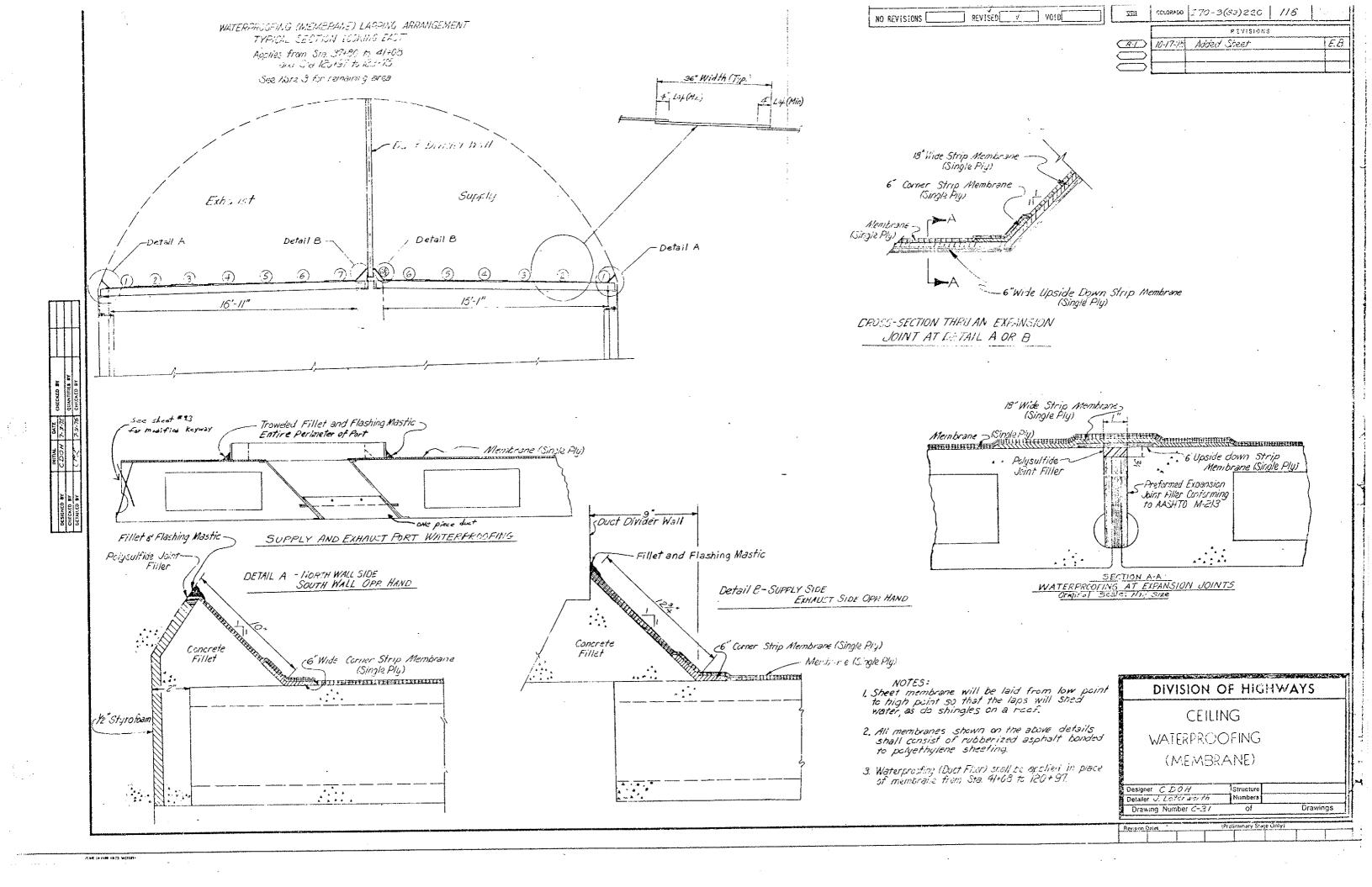


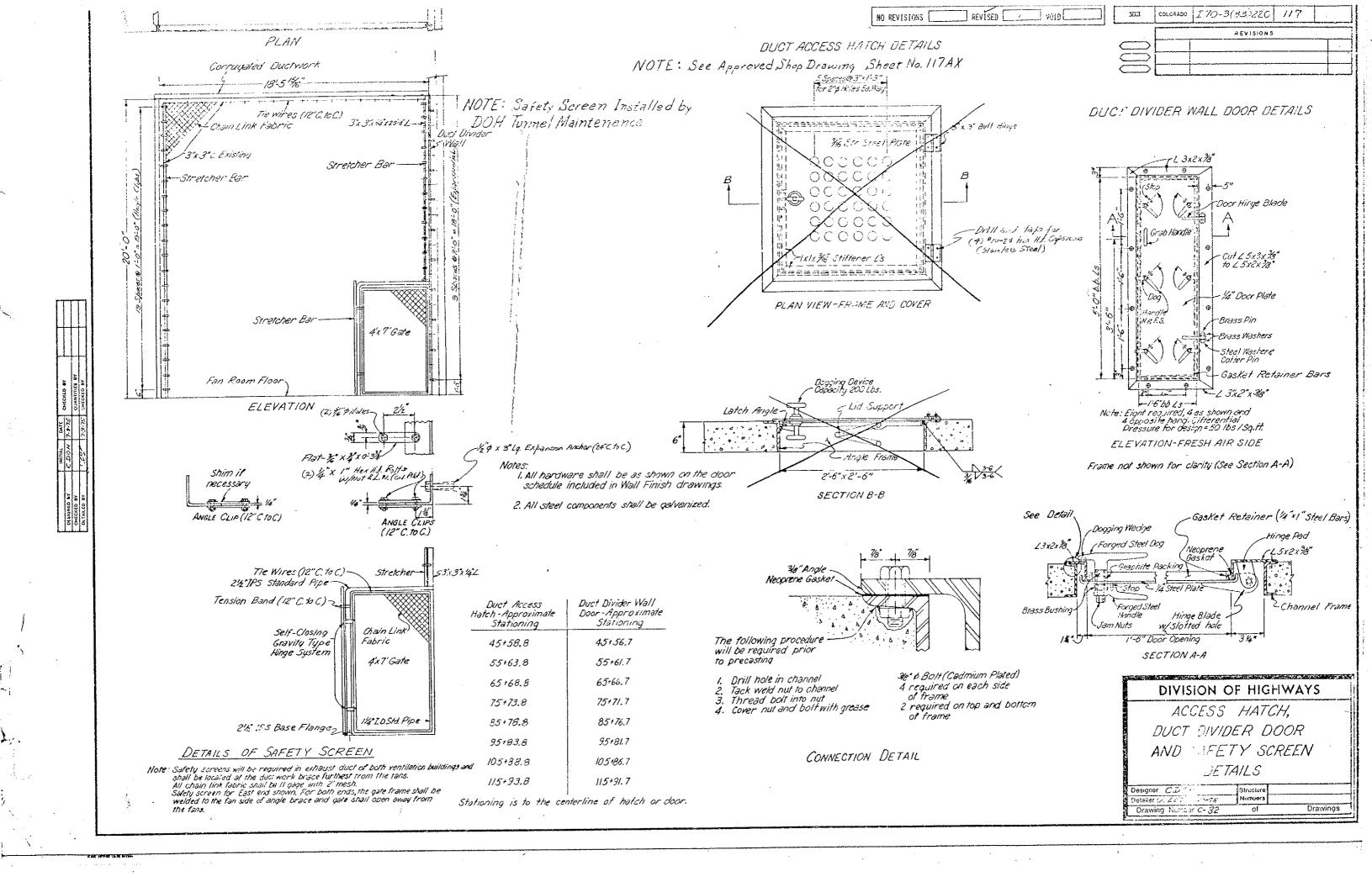


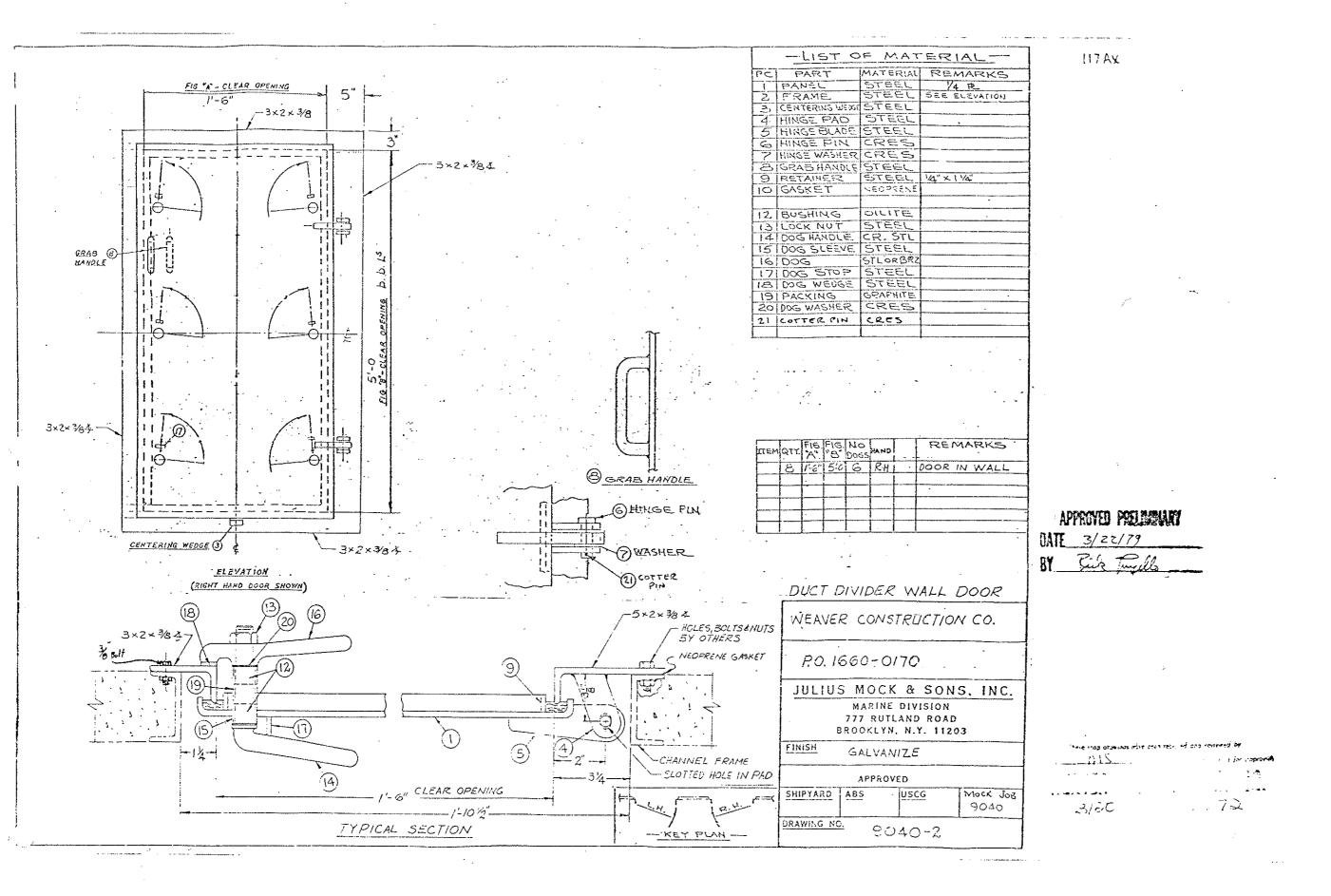




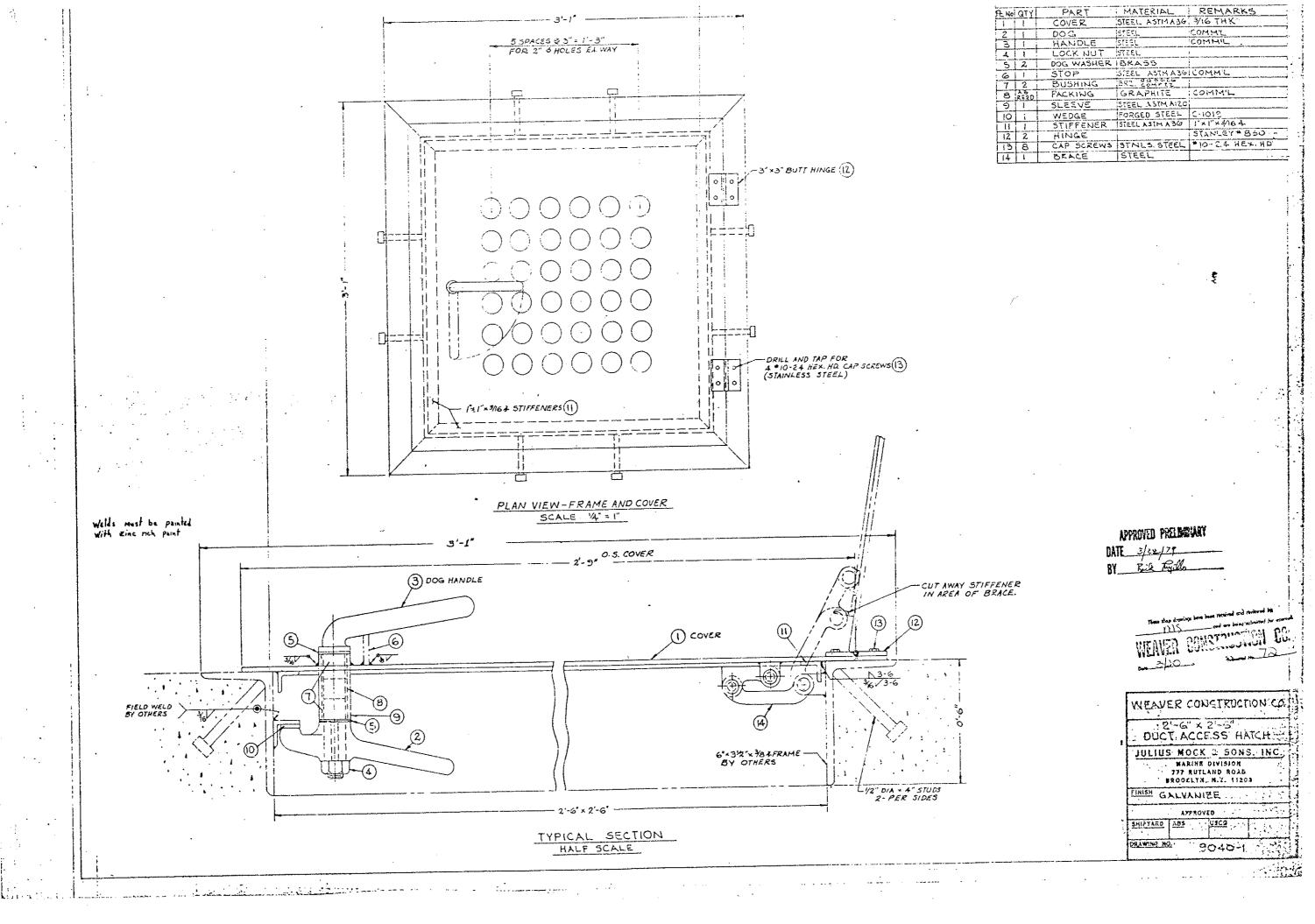


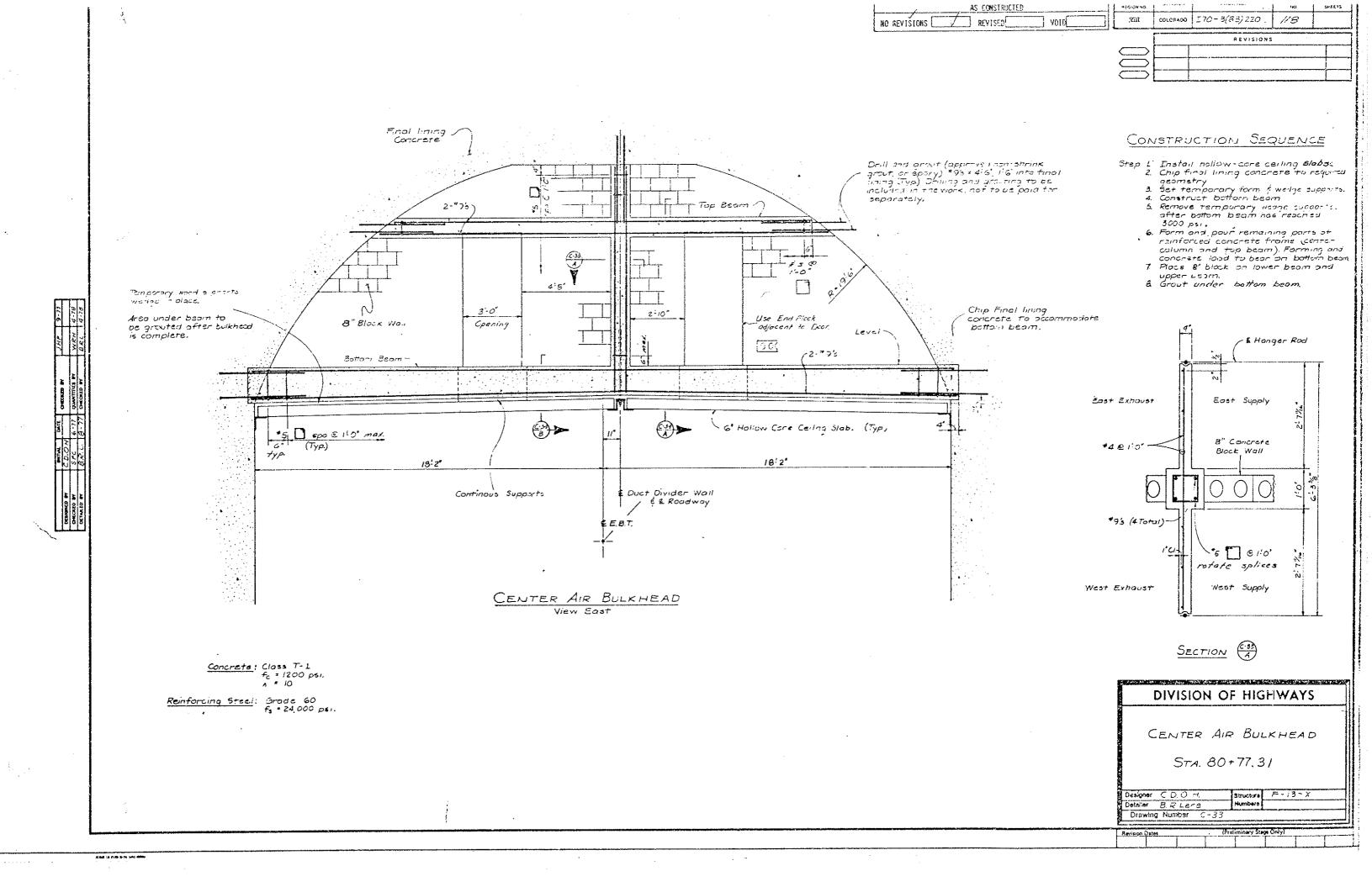


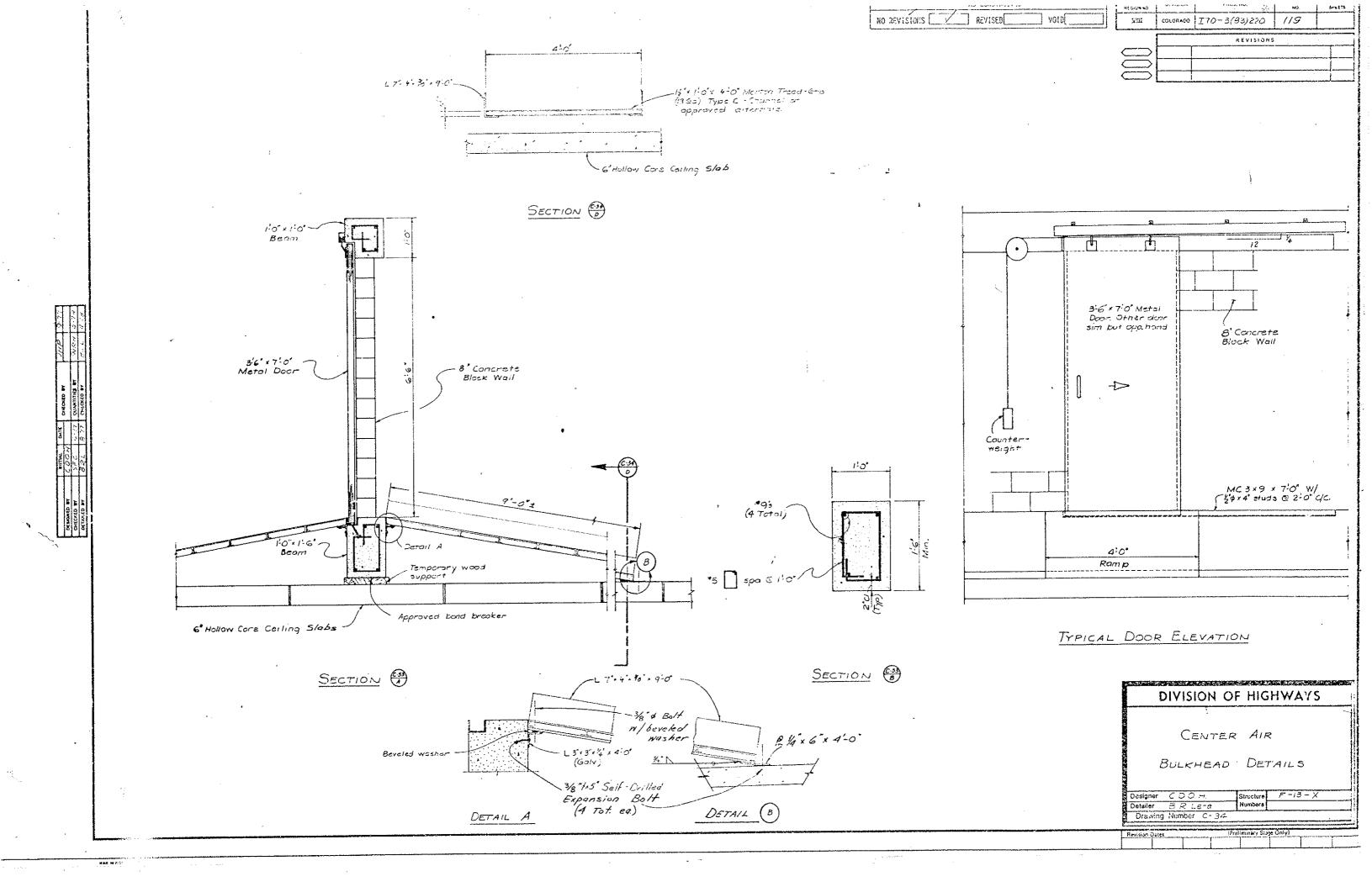


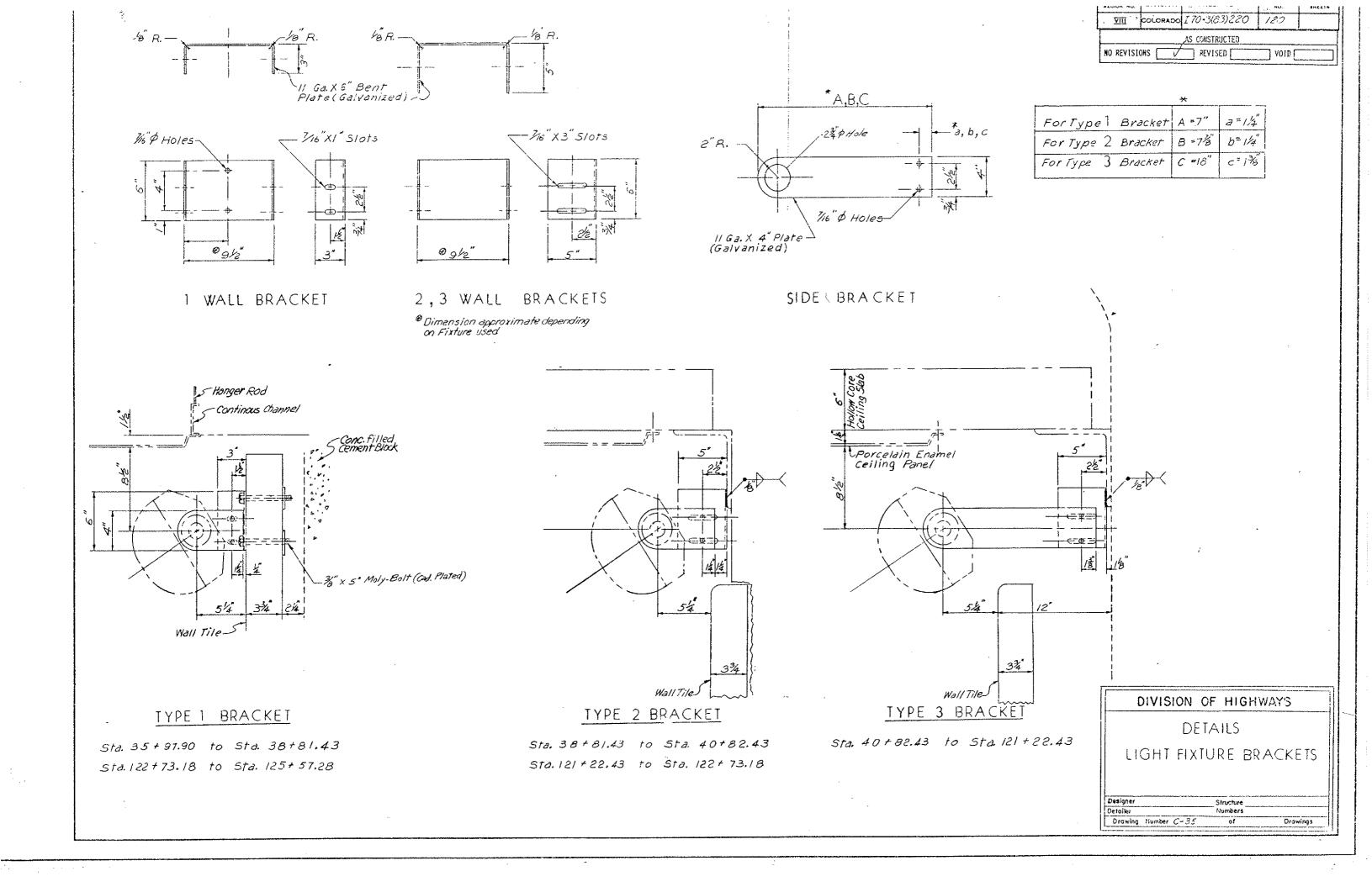


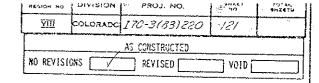
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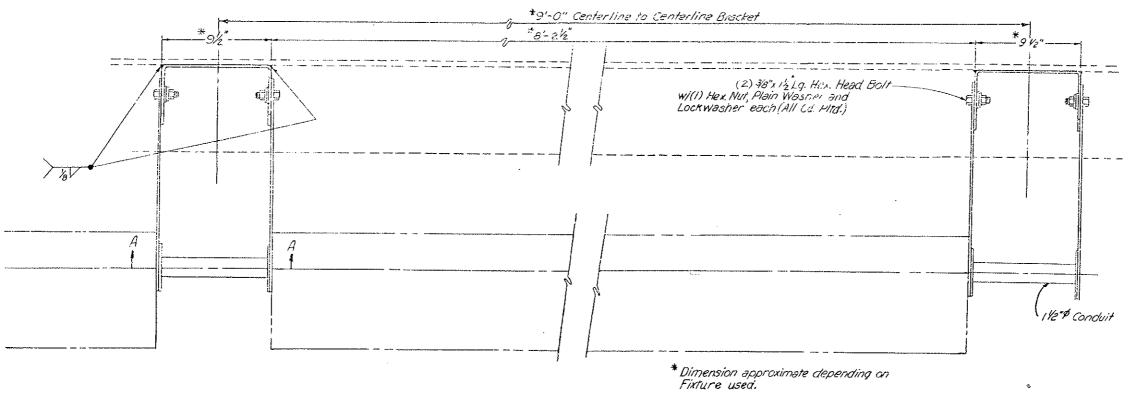




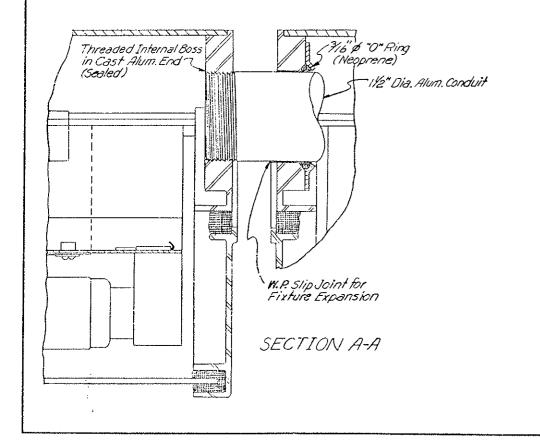


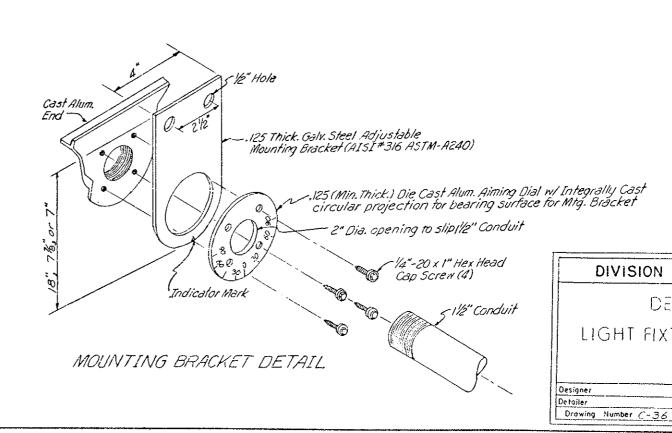






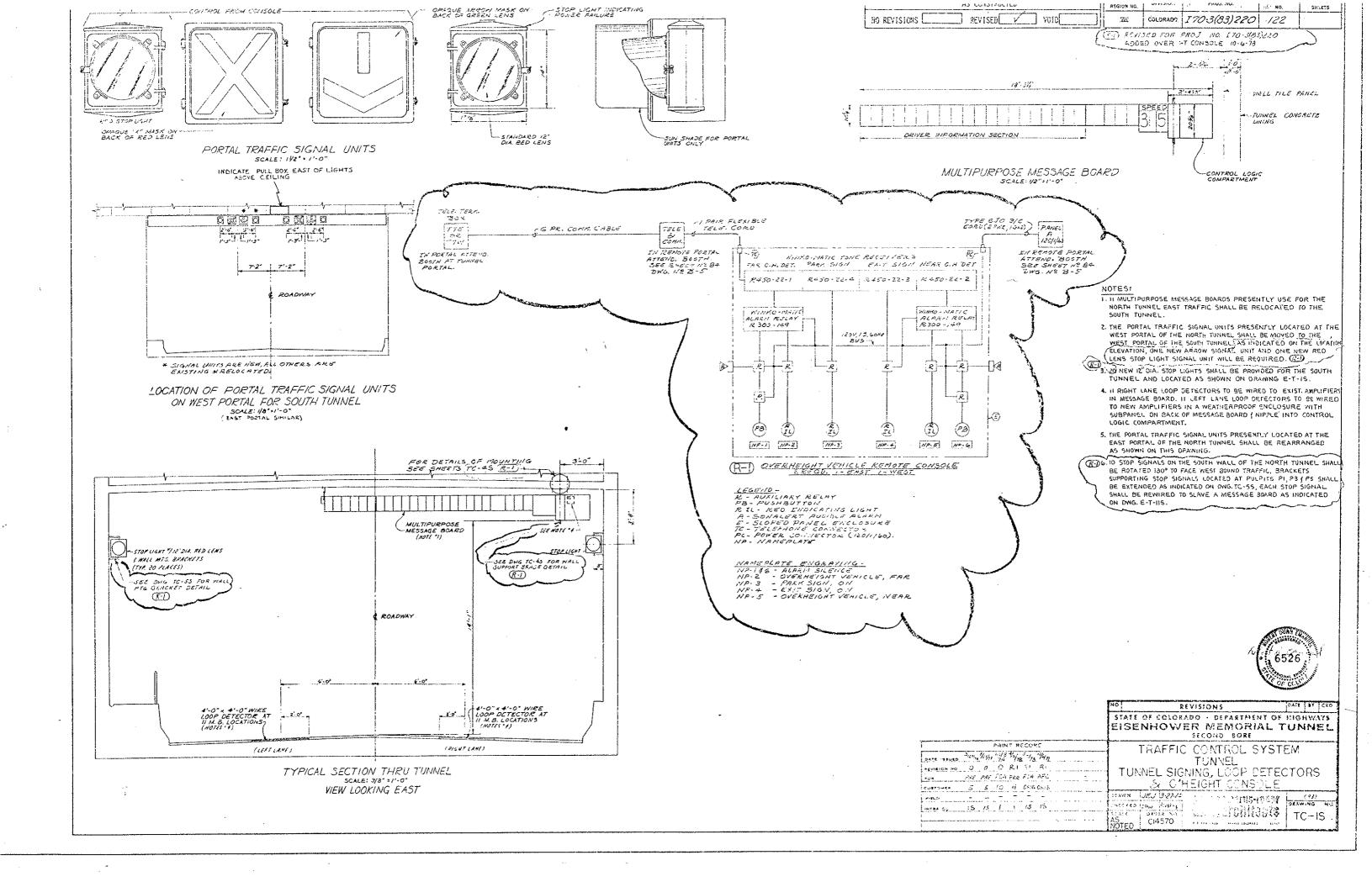
## PLAN VIEW TYPICAL LIGHT FIXTURE BRACKET SPACING

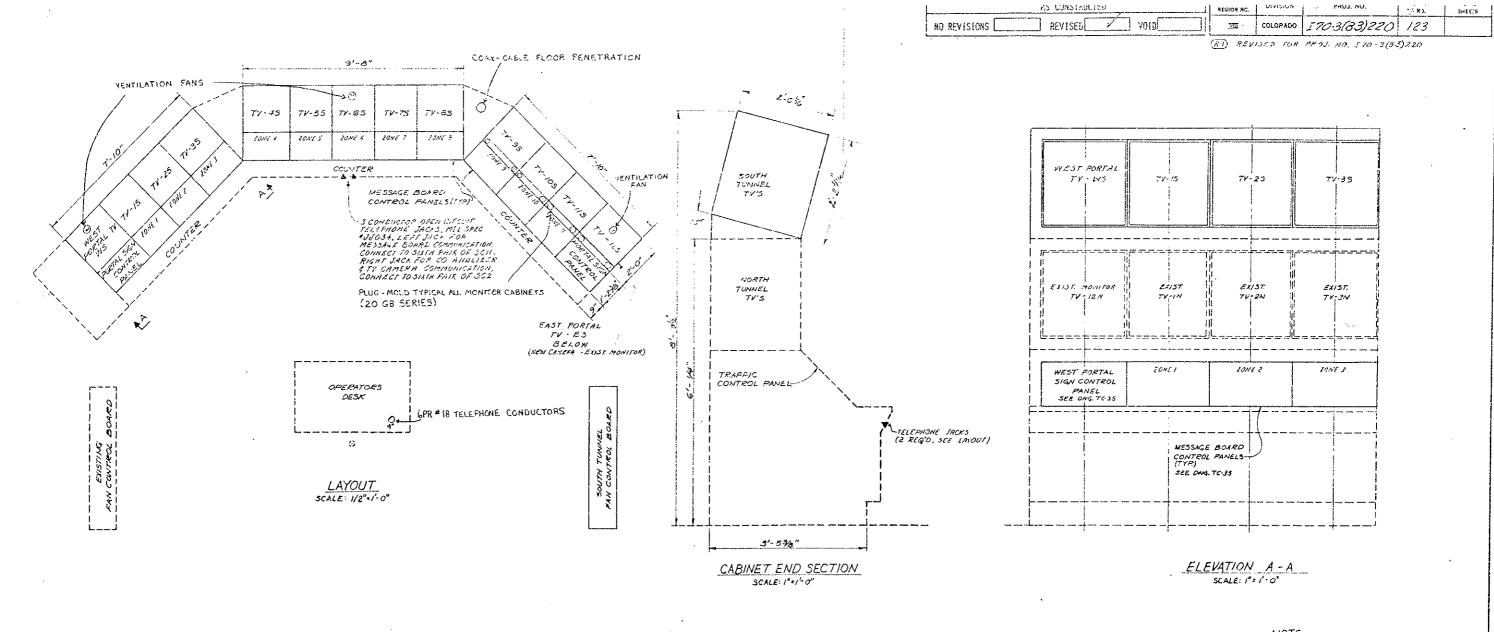




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DIVISION O	F HIGHWAYS
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Drawings





NUIE WORK THIS DRAWING WITH DRAWING TC-35



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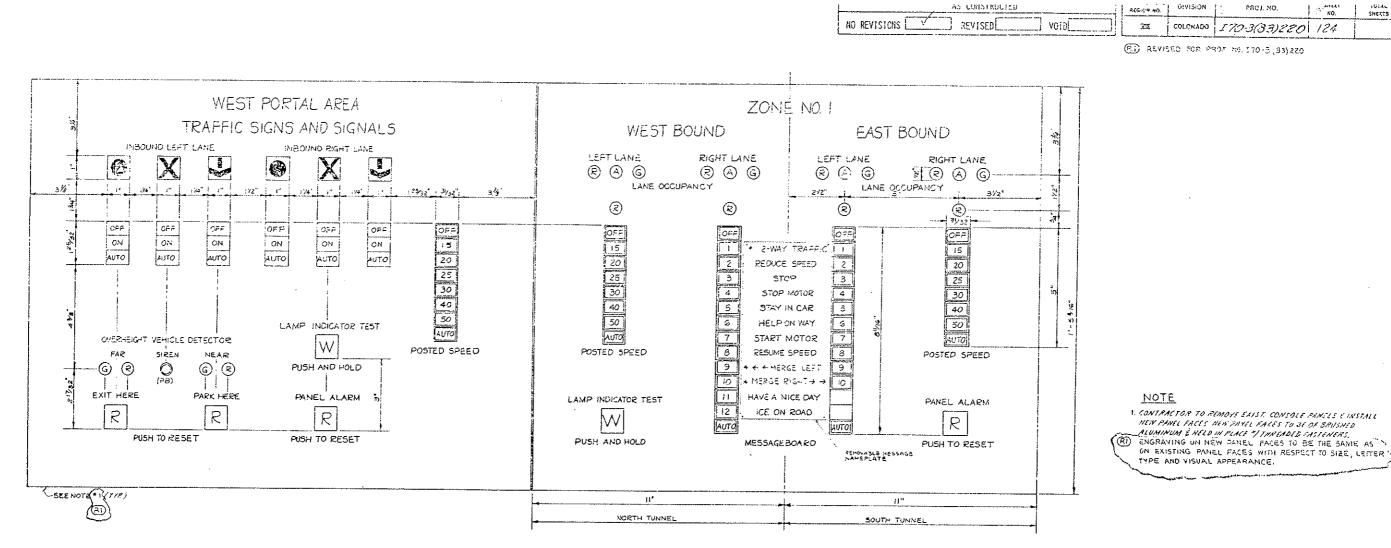
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TY MONITOR ENCLOSURE

NOTES 1

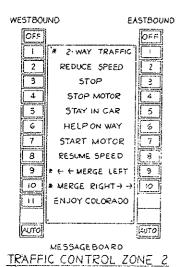
1. OPERATOR'S CONSOLE WAS ORIGINALLY SUPPLIED BY: EQUIPTO ENCLOSURE SISTEMS DIV OF SWIPTO ELECTRONICS CORP., 435 WEEDLINN AVE., HURCRA, ILL. LUSOT 2. CONSOLE SISTEMS ARCHAD A MOLDHAR DESIGN CONFERT ALLONING FOR ELPHASION VERTICALLY & HORIZONTHLY BY BULTIME ON ADDITIONAL SECTIONS OF CARBURET, CONFRICTOR SMIL FIELD VERTA ENCY DIMENSIONS FOR ENCLOSURES. (FHATTER REQUIRED)

J. NTYOUT HE, SINGLE PHASE GONZ FOHER SHALL BE SUPPLIED TO MONITORS YIM A CONTINUOUS WILTH-OUTLET FUR STRIP MOUNTED IN THE CABINETS PHINGHALLY SIMILAR TO THE EXISTING CABINETS. POWER SHALL CHINATE FROM EXISTING LIMITHA FAMEL "LISE HITH A SHALE PHASE SWIRE CIRCUIT.

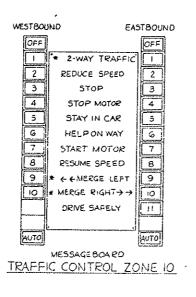


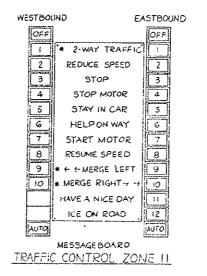
TRAFFIC CONTROL ZONE I A NEW MESSAGES TO BE ADDED.

WEST PORTAL AREA TRAFFIC SIGN AND SIGNAL CONTROL EAST PORTAL AREA SAME AS ABOYE EXCEPT SUBSTITUTE 'BAST' FOR 'WEST!



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4	STOP MOTOR	4
5	STAY IN CAR	5
6	HELPON YAY	6
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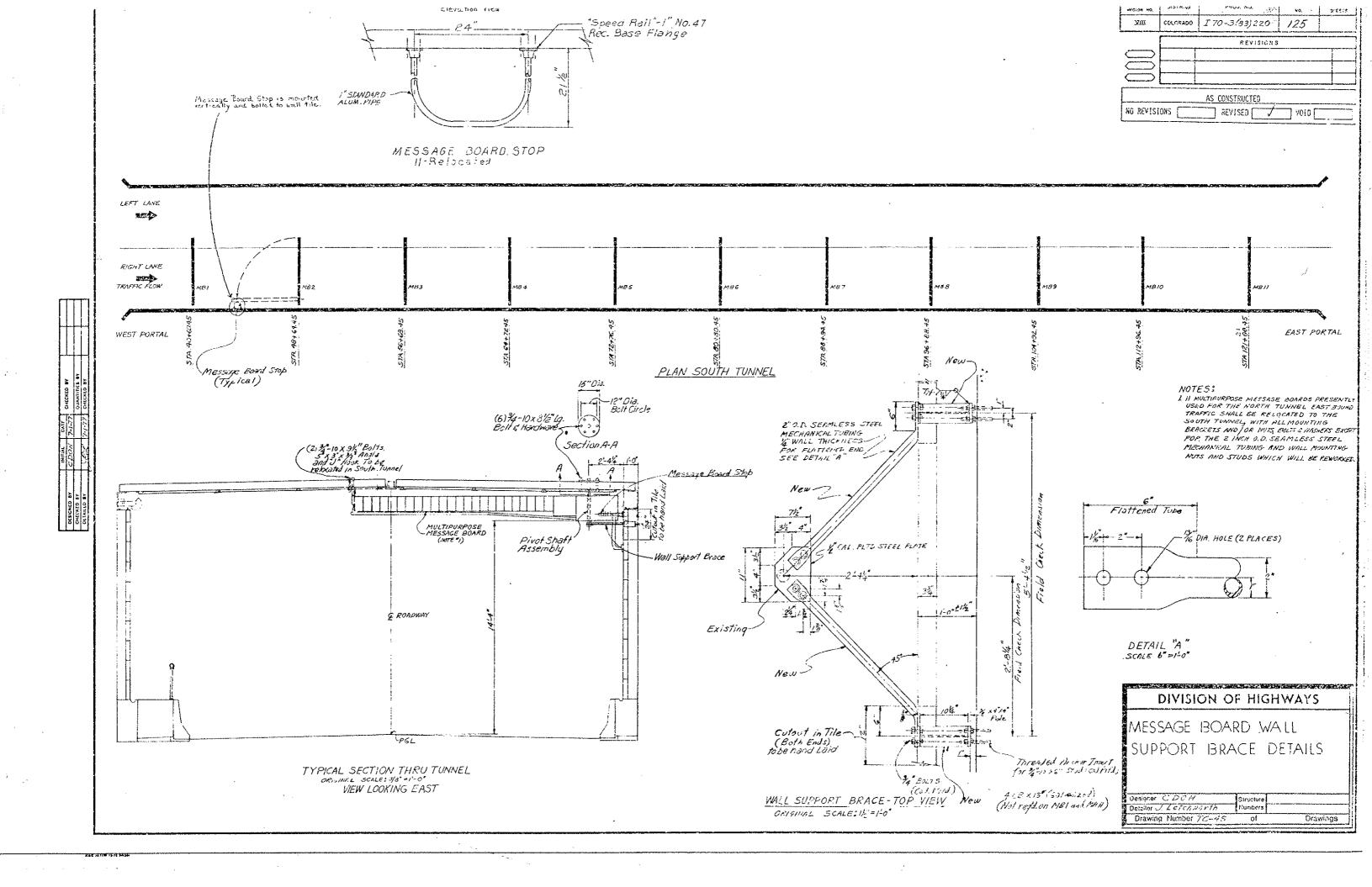
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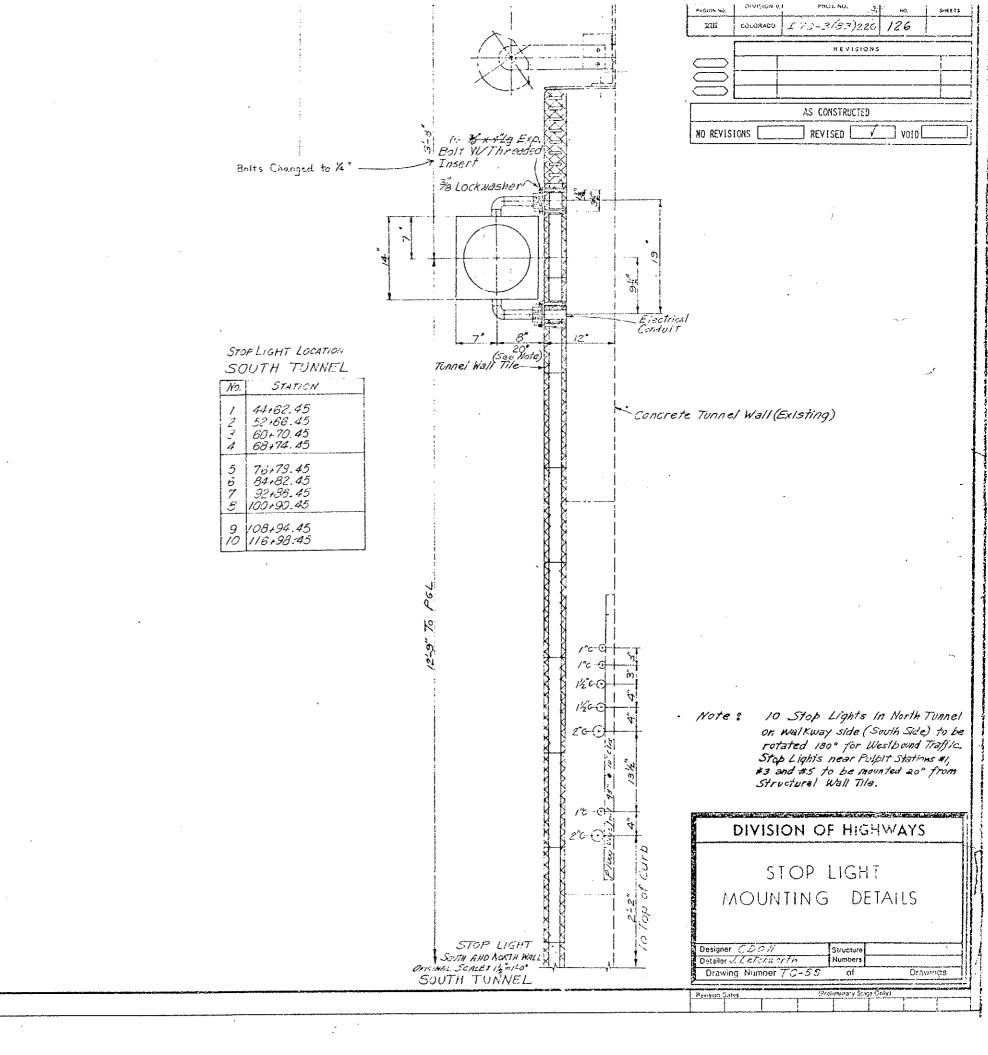
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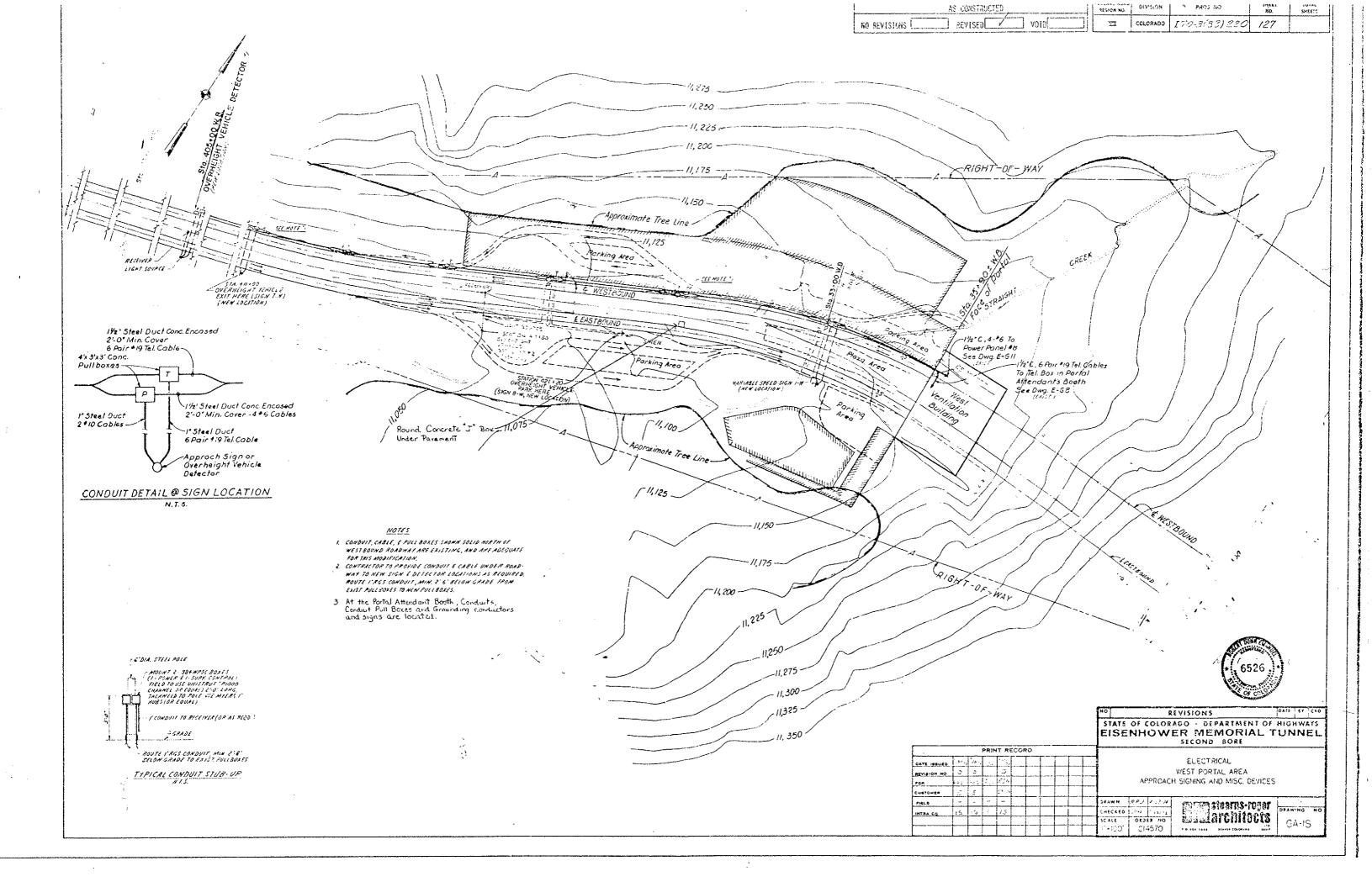
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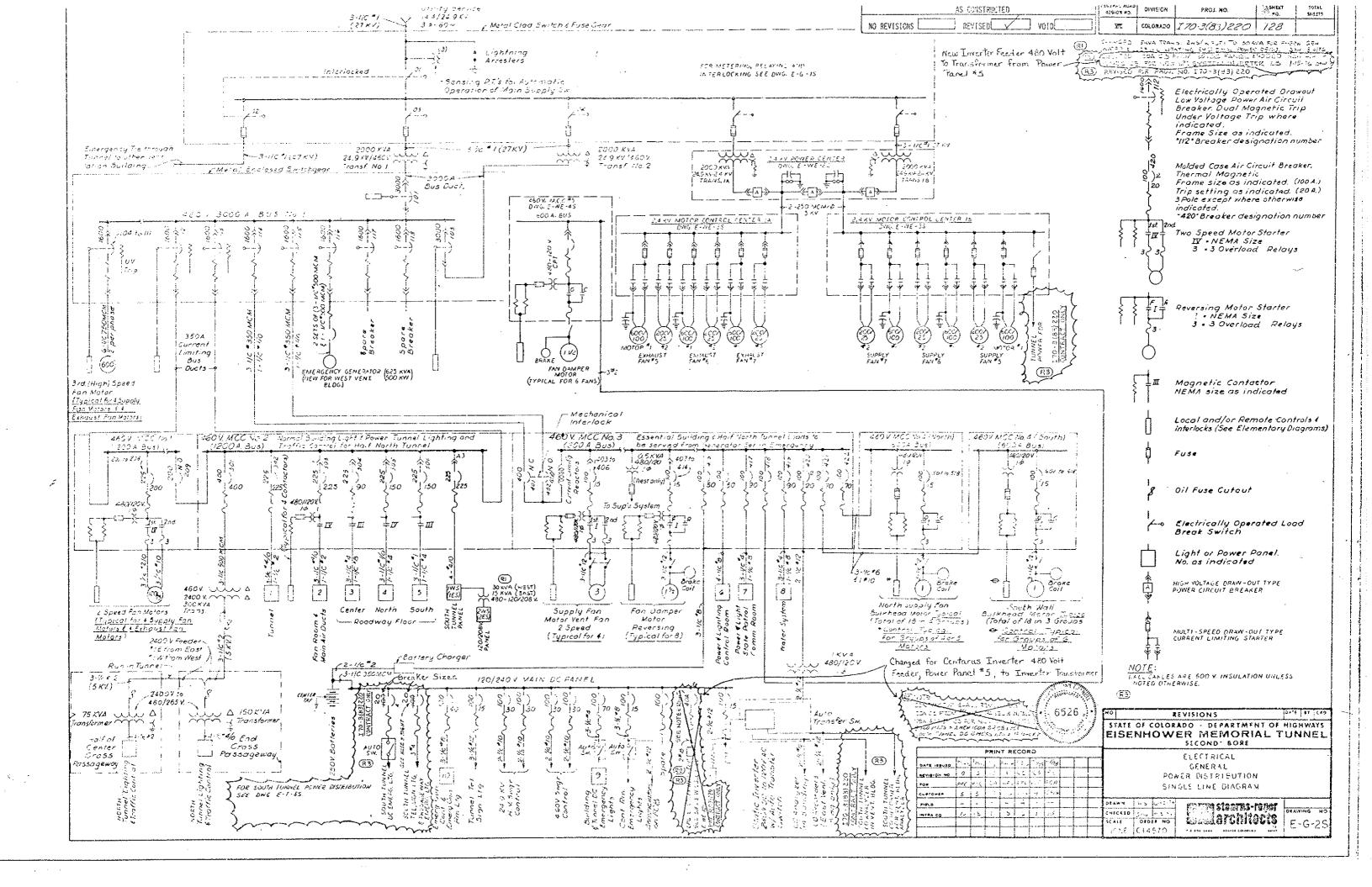


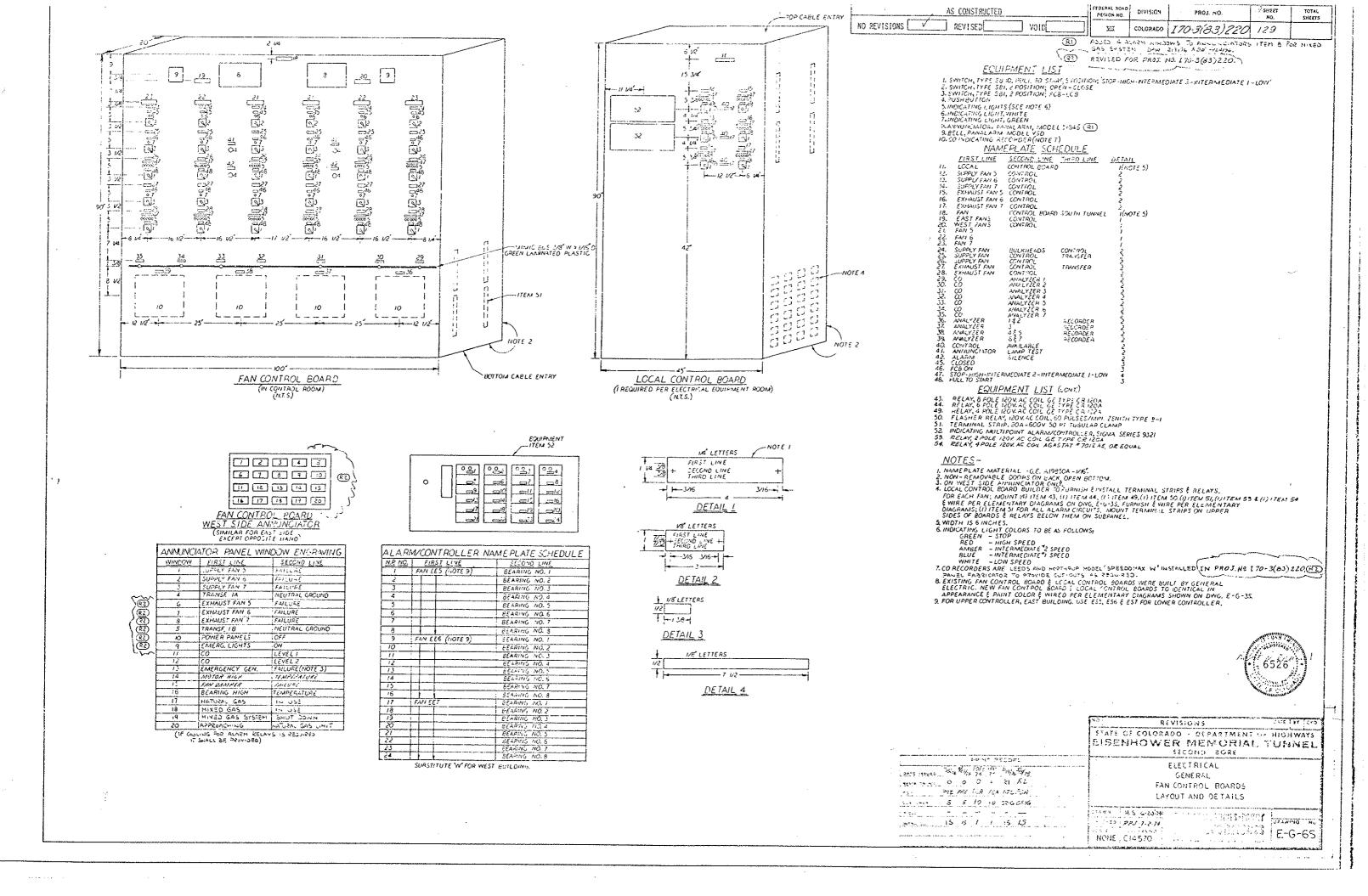


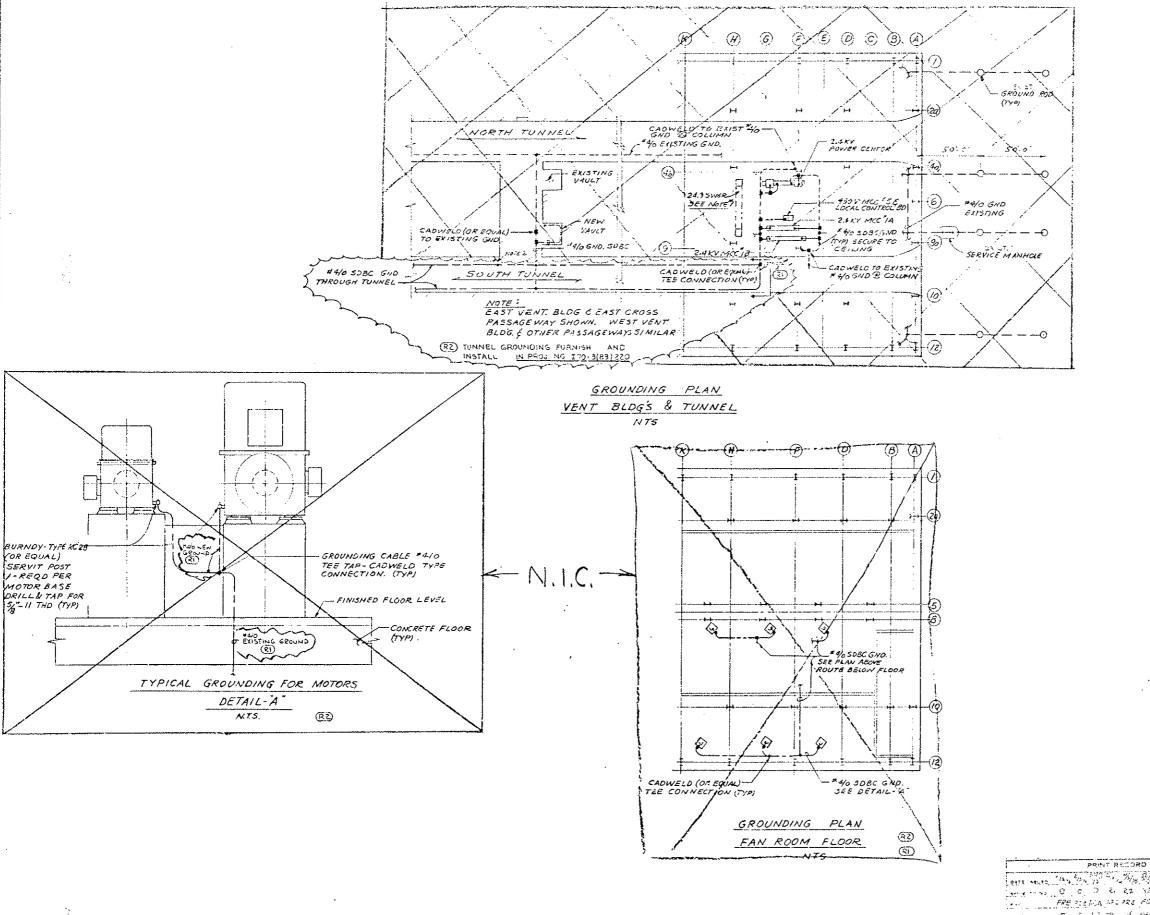
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KBE H TH SM HC SH









- (R) SELETED GROWN ON PLANT FOUR FLOOR (GROUNDING SERVICE) REVISED DETAIL OF TO SHOW THISTORY BROWNING INDICATED FUTURE CONTRACT DRIVING, A BE MENTING
- (RZ) REVISED FOR PROJ. NO. 170-9/83) 220

AS CONSTRUCTED

NO REVISIONS REVISED VOID VOID

LEGEND

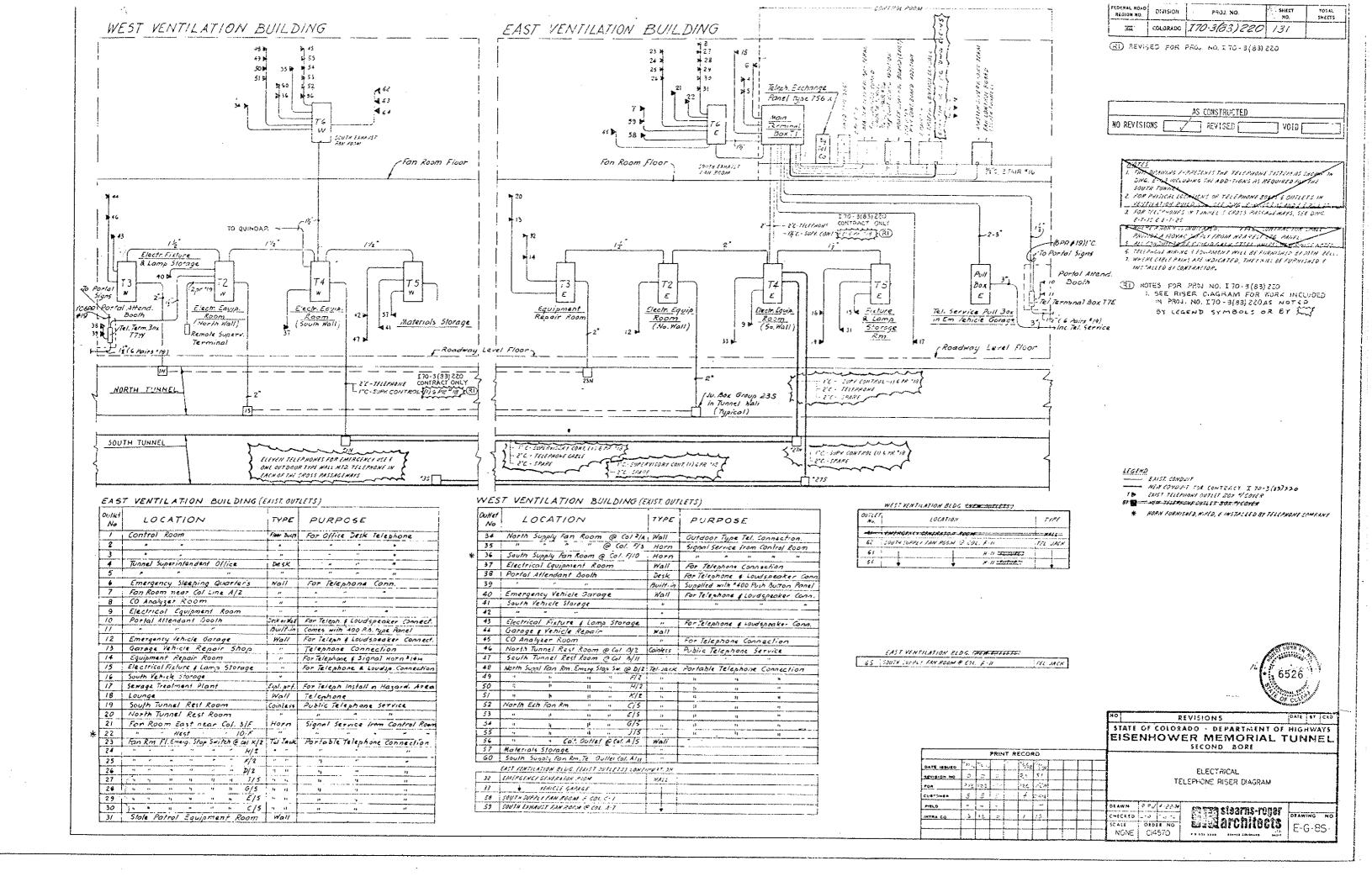
---- EXISTING GROUND

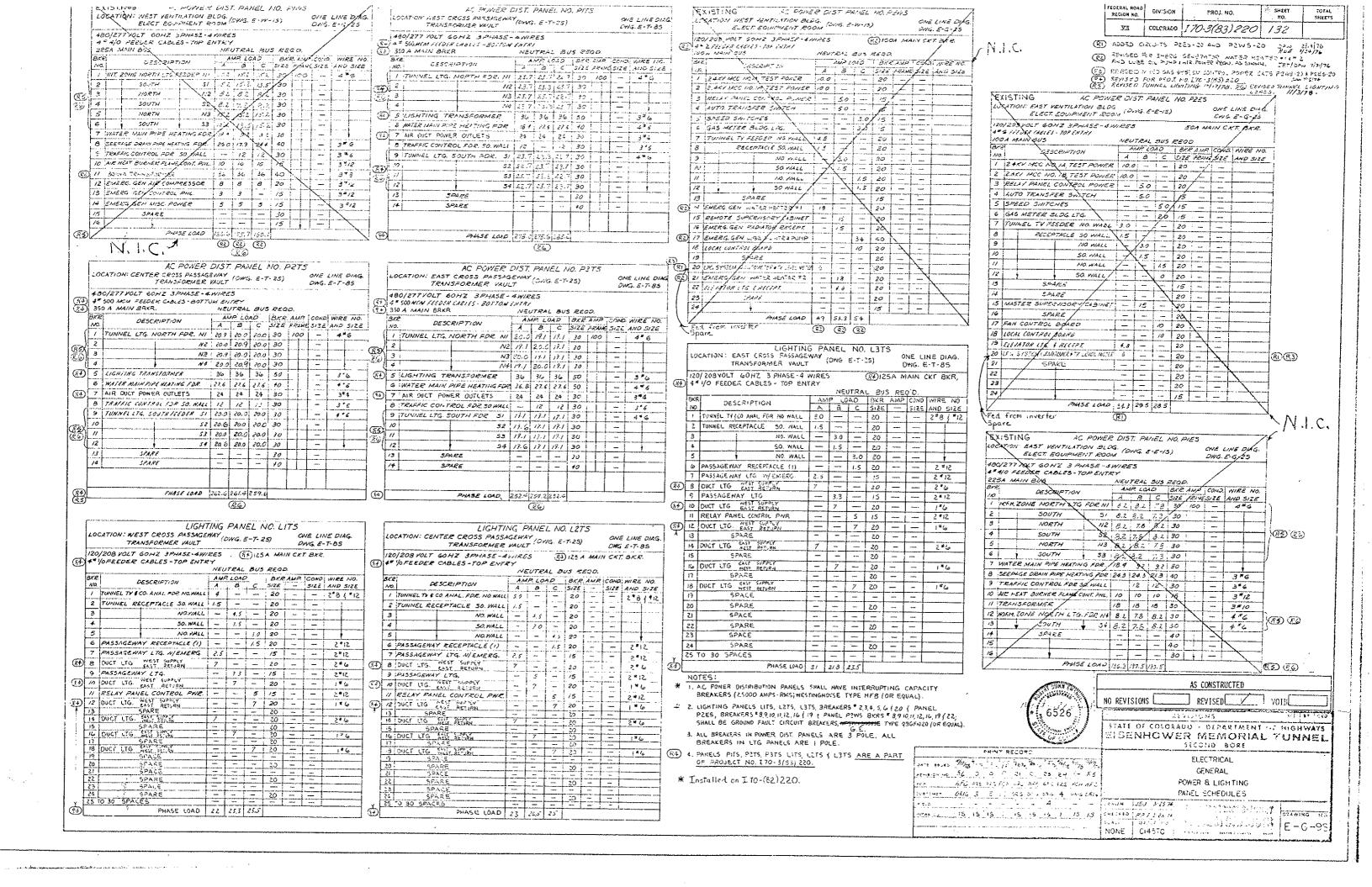
## NOTES :

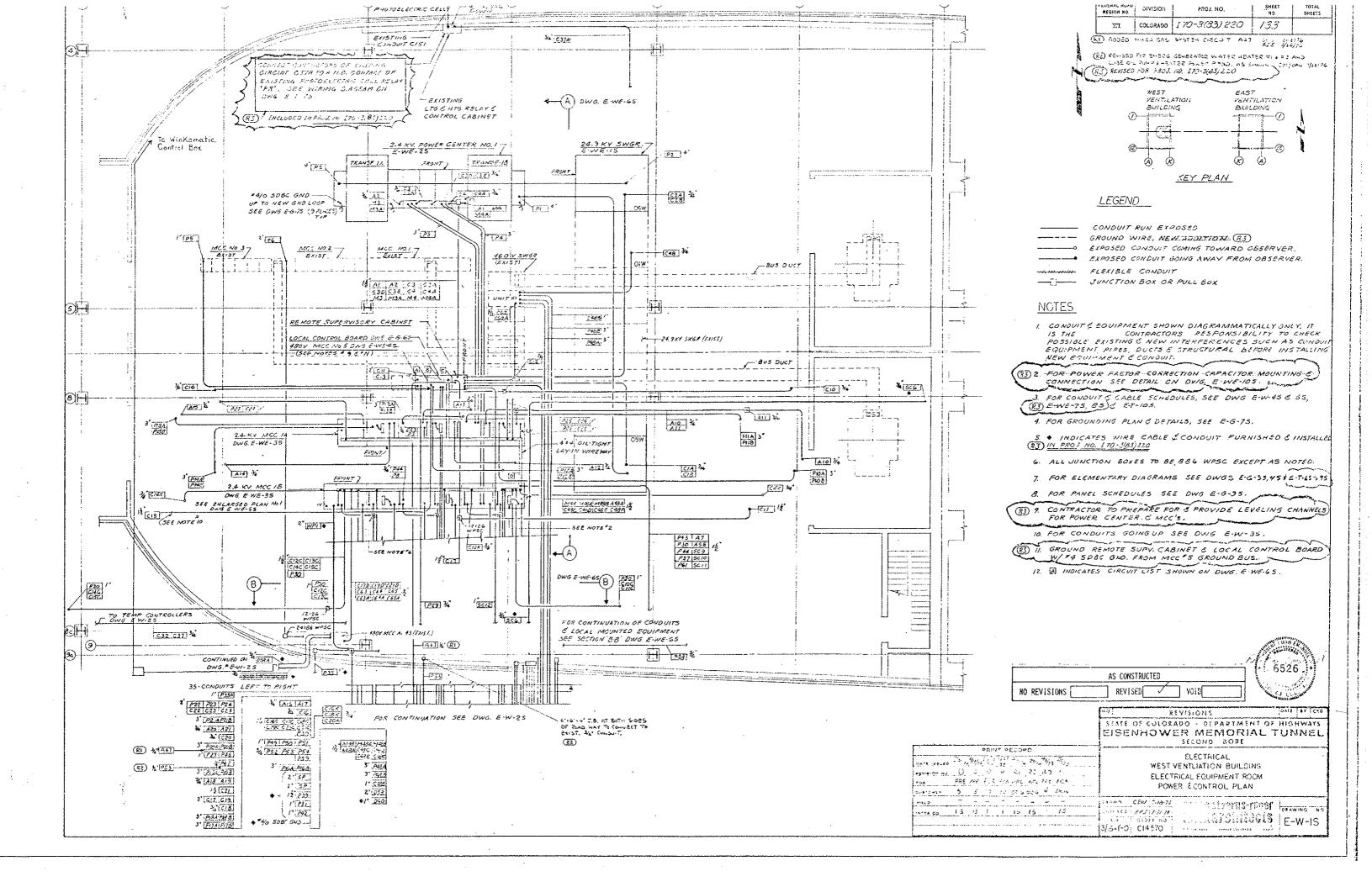
- (RZ) +-NEW-UNITS-OF-2+3-KY-SWI-TGH-GEAR-TO-BE-FIED-INTO-EXISTING-GND-BUS-OF-5-WGR:
- RE ALL-GROUNDING-IN-VENT-BUILDING-TO-BE-
- ALL GROUNDING IN TUNNES & GROSS PASSAGE WAYS TO BE INSTALLED BY THIS CONTRACT.
  - 1. WORK THIS DWG WITH DWG E-T-25
- (R2) 2. BOND THE "YUSDBC GROUND TO THE WHIEK MAIN AT ALL CROSS PASSAGE WAYS ARE AT THE VENTILATION BUILDINGS.

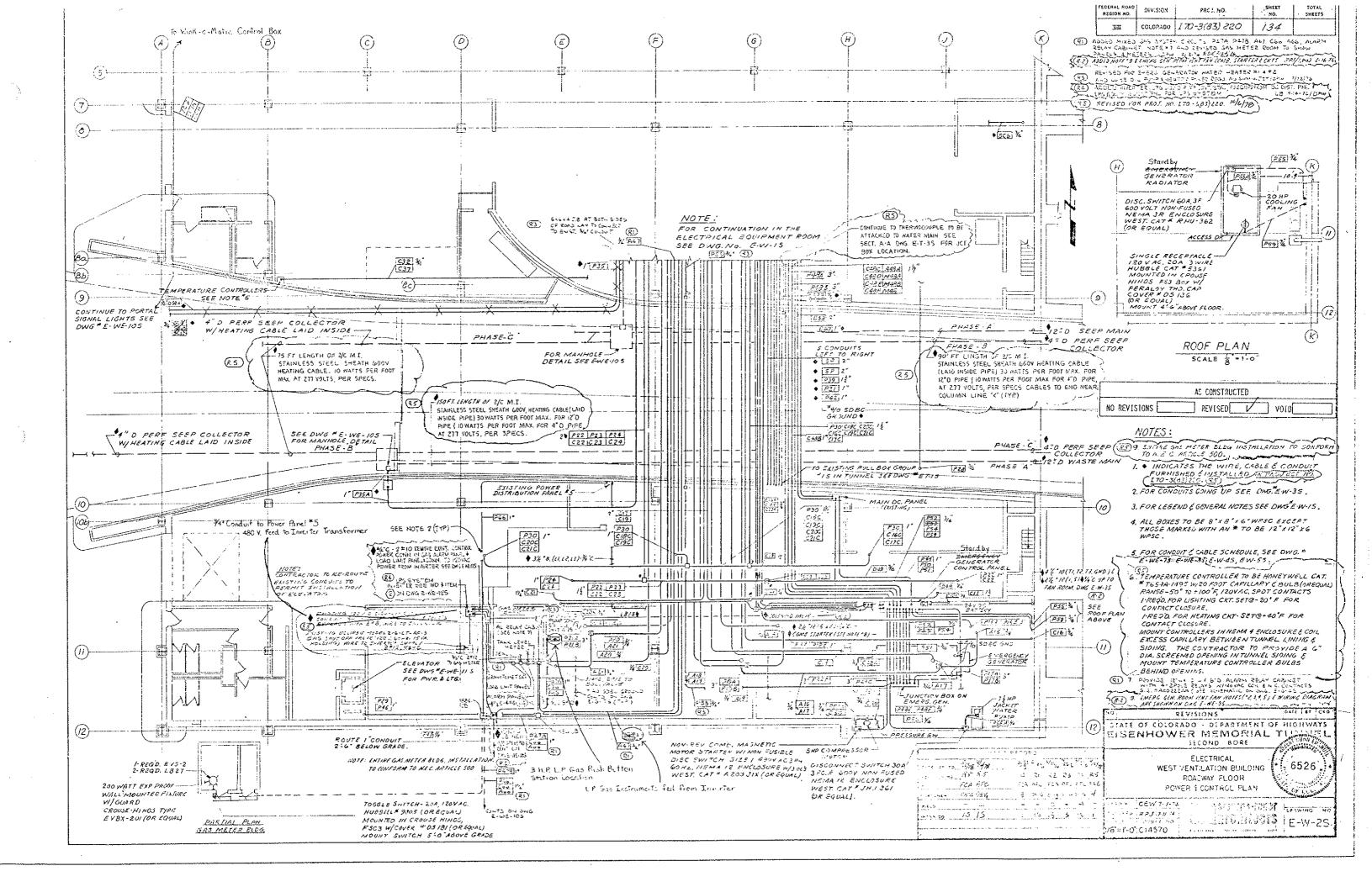


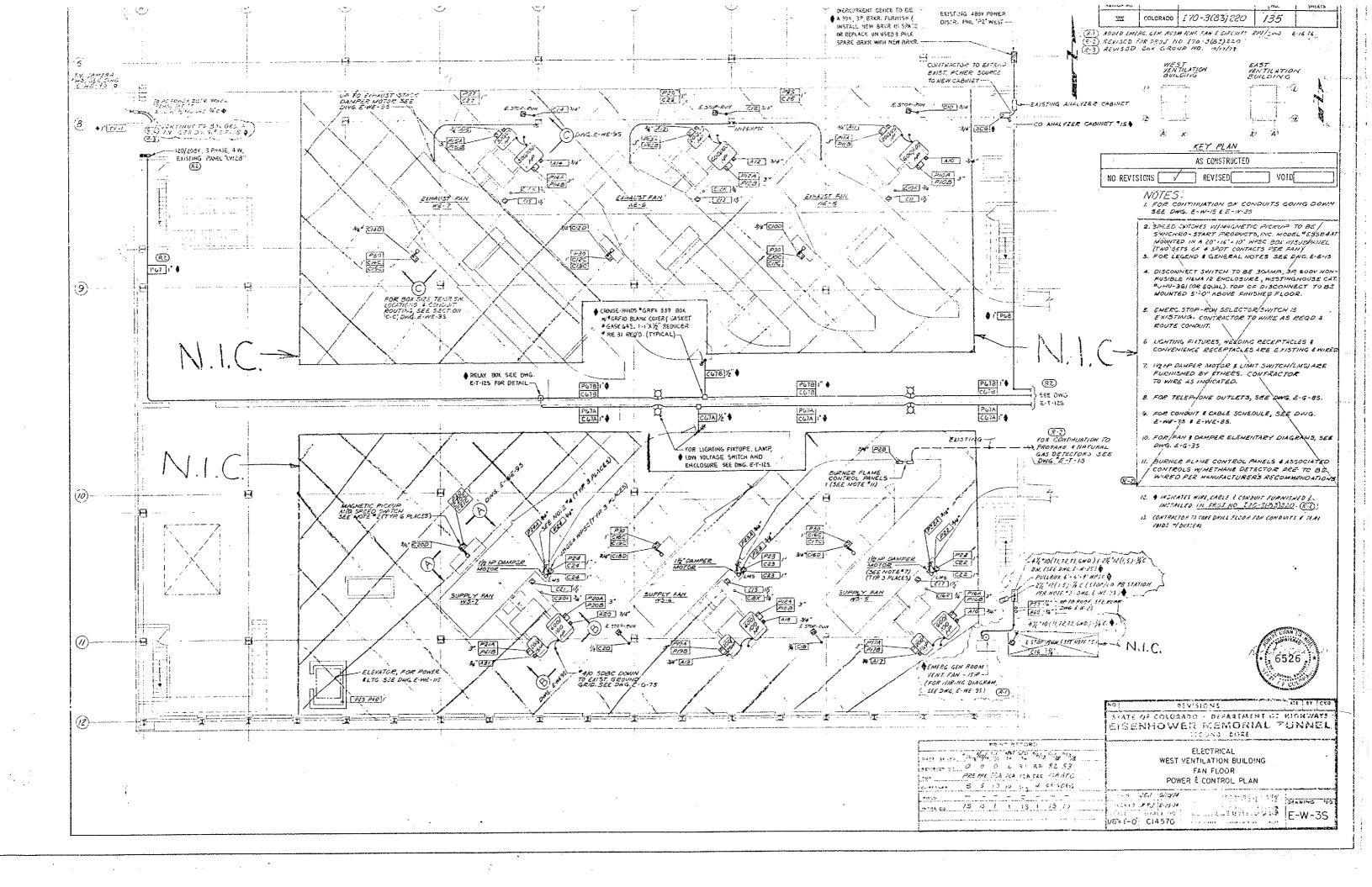
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iau		6	/c#12	<u> </u>	<u> </u>	* *************************************
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101		2	/C <sup>#</sup> /2	LOCAL CONTROL BOARD	RENOTE SUPERVISORY CABINET	EXHAUST FAN NO.5, FAN FAILURE ALARM
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100		7	1/2 1/2	LOCAL CONTROL BOARD	REMOTE SUPERYISORY CASINET	FAN SEERING NICH TEMPERATURE ALARA
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AIDA	<u> </u>	Ĭ/	VC #12	LOCAL CONTROL BOARD	REMOTE SUPERVISORY CABINET	3						
1188	<u> </u>	1/	1/2 18	MASTER SUPERNSORY CABINET	FAN CONTROL BOARD	TO THE TEMPERATURE	ſ			AS CONSTRUCT	ET)	
A186		2	4.4	LOCAL CONTROL BOARD	2.4KY MCC No. 18, UNIT'3	ALARM - MOTOR HIGH TEMPERATURE	<b> </b>					
		1						NO REVI	ISIONS [	REVISED {	V	OID []
							٠. ١		<del>, , , , , , , , , , , , , , , , , , , </del>	·	······································	
	<u> </u>	1		<u> </u>				-		•		
		_	<u> </u>	<u> </u>			1				•	•
	<u> </u>	<u>.</u> L.			REMOTE SUPERVISORY CABINET	SUPPLY FAN NO.7, CONTEOL	İ		٠, ,	-		F
C20E			VC*12	LOCAL CONTROL BOARD	1	IND. LIGHTS	Į					
C20F			1/C*12	1	TAN CONTROL BOARD	CONTROL	•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		· · ·	w.
C20G			YC #12	MASTER SUPERVISORY CABINET	VAN CONTROL DOING	IND. LIGHTS	1		· ·	•••		in . j
CZOH		6	46 12	<del>                                     </del>		▼	•		•			•
		_	!	1 2200	PEWATE SUPERVISORY CARNET	SUPPLY FAN HOT, FAN FAILURE ALARM	1		NOTES:		'	
AZOA	_=		¥C #12	LOCAL CONTROL BOARD .	· · · · · · · · · · · · · · · · · · ·	1	1					
1208	<u> </u>	1 /	1/2 1/2	MASTER SUPERVISORY CABINET	FIN CONTROL BOARD	ALARM - MOTOR HIGH TEMPERATURE	1		I FOR NIE	E # CABLE, 5	EE D.Q.H. 5F	PECIFICATIONS,
AZOC	1 -	12	16.15	LOCAL CONTEST BOARD	2. FRY ACC N. 18, UNIT "S	The state of the s	1	•	SECTION	120		ξ
1200	-	/	1/6 1/2	<u> </u>	RIMOTE SUPERIISON CABINET		1		2. & IHDICAT	ES WIRE, CABL	E & CONDUIT !	FURNISHED &
AZOE		1/	1/2 *1?	MASTER SUPERVISORY CABINET	FAN CONTROL BOARD	<u> </u>	İ		INSTALLE	TH PROJ. M	0. <i>[70 3(83)</i> ;	720. (R3)
		I			<u> </u>		1	ہے		_		
<u></u>	<u> </u>	3	<u> </u>				1	Ą	3. SPARE CON			IN PROTNS
L	ļ	<u> </u>	<u> </u>		NR HEATED BURNER FLAME CONTR. PNL.	FEEDER	1	•		220 WHEN		
PZB	<u> </u>	• 3	VC = 10 \$ 16 10G	AC POWER DIST. PANEL PIWS	WE AREA THE BOOK AS A CONTROL TO				AND SECT	JONS DER	NOTE 2-	/
		_≵_		2000 1 50000	SPEED SWITCH & TEMP CONTROLLER	VOY FEEDER	1			<del></del>	<u> </u>	
P30	<u> </u>	. [2	1/C #12	AC POWER DIST. PANEL PZWS	SPEED SWITCH CITEM CONTACTED		1					سن <sub>سس</sub> ن ۲
L	ļ.,,,	_Î_	<u> </u>	Towns Towns	SOUTH TURNSE WALL AC PULL BOX GEPS.	TEAFFIC CONTEOL	Ĭ			1 1	*** *	
P31	\$ 1"	<u> }3</u>	VC #6	AC POWER DIST, PANEL PIWS	SOUTH TO MAKE MAKE ACT DE BON TOT OF		1				··· · · · · · · · · · · · · · · · · ·	
	<u> </u>			The same of the same	LTG. & HTG. CONTACTOR PANEL	WATER MAIN PIPE HTG. FEEDER	1					
P32	<u> </u>	<u> </u>	1/C # 6	AC POWER DIST. PANEL * PIWS	LTG. E HTG. ZELAY & CONTROL PINE.	CONTROL	t				7	
C32	<u></u>		1/c *12	TEMPERATURE CONTROLLER #2	NORTH TUNNEL WALL AC PULLBOX GRPS	WATER MAIN PIPE HTG. FEEDER	†		•	,		
P33	<del></del>	-+	1/c *6	LTG ( HTG CONTACTOR PANEL	LTG ( HTG RELAY ( CONTROL PANEL	CONTROL ( T.C #3 POWER	(R3)	}				
P33A	+		VC 12	TEMPERATURE CONTROLLER T.C. 3	THERMOCOUPLE ON WATER MAIN	TEMP SENSING.	(R3)	\$			7 7	f
P33B	9 1/2		2/C 20 CHROMEL	AC POWER DEST. PANEL THE	LTG & HTG.CONTACTOR PANEL	SEEPAGE DEAIN HTG. FEEDER	γ~	_				
P34	1=	-44	1/C = 5	AC POWER 23, FARE THE			]			•		د پښونې سپ په ر
-	1	-1-	1/-	LTG. & HTG. CONTACTOR PANEL	WORTH TUNNEL WALL DOWN MANHOLE	SEEPAGE DRAIN HTG. FEEDER	1				*** ** * *	
	<b>♦</b> 1 <sup>4</sup>		1/C*2	274. 774.20077600277602	SOUTH	•	1			•		, , , , , , , , , , , , , , , , , , ,
P35A	0:/"		1/C * 6	AC POWER GIST PANEL PINS	LTG. & HTG. CONTACTOR PANEL	TURNEL INT. ZONES LTG. FEEDER NI, NZ, NS	I	•			• •	4
F36	<del></del>		2 YC G	AC POWER PION PLANE		51, 52, 53	I					
P37	<del>  =</del>		1/0 6	TEMPERATURE CONTROLLER "	LTG. \$ HTS. RELAY & CONTROL PHL.	CONTROL.	1		,			TT: > " 7. "
C37	+		1/0°/E		:		]		•		•	
C 374	+		1/C, #/2	PHOTOELECTRIC CELL RELAY PR	1	<b>.</b>				•		and the second
C378	+	~	YC #12		NORTH TUNNEL WALL AC FULLBOX GRPS	TUNNEL INT. ZONES LTG FEEDER MALAS	1					
P30	9 1/2		2 1/0 4	<del> </del>	SOUTH	2,52,52			•	= = = =		
739	\$ 1/2	-#	2 1/C *C	<del> </del>	1		]			-		A control districts
-	-		1/2 7 9	AC POWER DIST. PANEL *PIWS	BOKVA TRANSFORMER PRIMARY	FEEDER	(R2)	-		•		
PAO			1 VC * 9	BOANN TRANSFORMER SECONDIR	_ <u> </u>	1201 208V FEEDER	ලා		-	•		
Atas	<b>_</b>		1/6 2	SOFTA TEANSTOPHER SECONDAR	7716 70722 27377777	-	1			• • • • •		
<b></b>	ļ	_		AC POWER DIST, PANEL POWS	NORTH TUNNEL AC PULLBOX GRPS.	TY CAMERA, TUNNEL, PECEPTACLE FOR.	1				-	
P4/	2.7				SOUTH	TUNNEL RECEPTACLE FEEDER	1		-			
P42	6 /		10 8 4c 109	<u> </u>	2.4 KV MCG NO. IA	IZON TEST POWER	1					
P43	<b></b>		1/C = 12		2.4 KV MCC NO.18	<b>1</b>	] .	ctramen	rts fed from In	verter T70-3	(83) 220	
244	<del></del>		1/5 #12	+	LTG. & HTG. RELAY & CONTROL PHIL	120V FEEDER	$V^{Ln}$	A114111EN	Modification			AND DUNY FROM
P45	<del>  -</del>		1/0"/2	<del></del>	ELEVATOR PENTHOUSE	LTG. I RECEPTACLE FEEDER	7			•		A Part of the
216	<del>  -</del>		2 1/0 # 12 4 1/0 # 100	POLIER PANEL PRINS SKR 6 4 20	LOCAL JUNCTION BOX	LIGHTING FEEDER GUNSTRUMENTS	1 🖭				A	Ast Carry
247	<del> </del>		3 1/0 = 1/2	LOCAL JCT. SOX (SKR FZO)	HINED GAS SYSTEM ALARM & CTR PHL'S		1 🗟			<del></del>	······································	1 0020
P47A	+		2 2 2 2	(388 + 6)	GAS METER BLDG. LIGHT	LIGHTING FEEDER	] ®	ı	•			Samuel S.
P478	1-		5 1/2 *12	GAS HETER RM. ALARM RELAY CAB		MIXED GAS SYSTEM ALARMS	] ছ্যে		-			or colon
A47	<del> </del>		5 1/6 *12	HASTER SUPERVISORY PANEL	ANNUNCIATOR- TAN CONTRA BONK		ঞ					
A+7A	<del>\</del>		5 1/2 = .2	AUGUST SALENTIANE, LANGE			]	Ha	. R	EVISIONS	,	DAIS ST CED
	1	}-			1		]	STA	TE OF COLOR	ADO - DEP	ARTMENT	HIGHWAYS
	<u> </u>						_	EIS	ENHOW	ER MEN	IORIAL	TUNNEL
	-		CONTINUED ON	OWG. E-W-55	_	<del></del>		_i		SECOND	BORE '	
					<del></del>	POINT RECOMO						

NOTES: IL FOR WIRE & CABLE, SEE D.O.H. SPECIFICATIONS, SECTION® 720 2 NINDICATES WIRE, CABLE & CONDUIT FURNISHED & INSTALLED (TH PROJ. NO. ETO 3(83)220. (R3))

(P3)3. SMAE CONDUITS ARE HOT INDICATED ON THIS SCHEDUR BUT SHALL BE INCLUDED IN PRODUCT IN PRODUCT ITO S (63)220 WHEN IDENTIFIED ON PLANS AND SECTIONS PER NOTE 2. uments fed from Inverter 170-3(83)220 Modification REVISIONS / STATE OF COLORADO - DEPARTMENT OF HIGHWAYS EISENHOWER MEMORIAL TUNNEL SECOND BORE ELECTRICAL WEST VENTILIATION BUILDING CONDILIT & CABLE SCHEDULE SHEET NO. 1 1 TE TE CHECKED PRES 7:3-74
SCALE DADER NO.
NONE C14570

COLONIDO 170-3(83)220

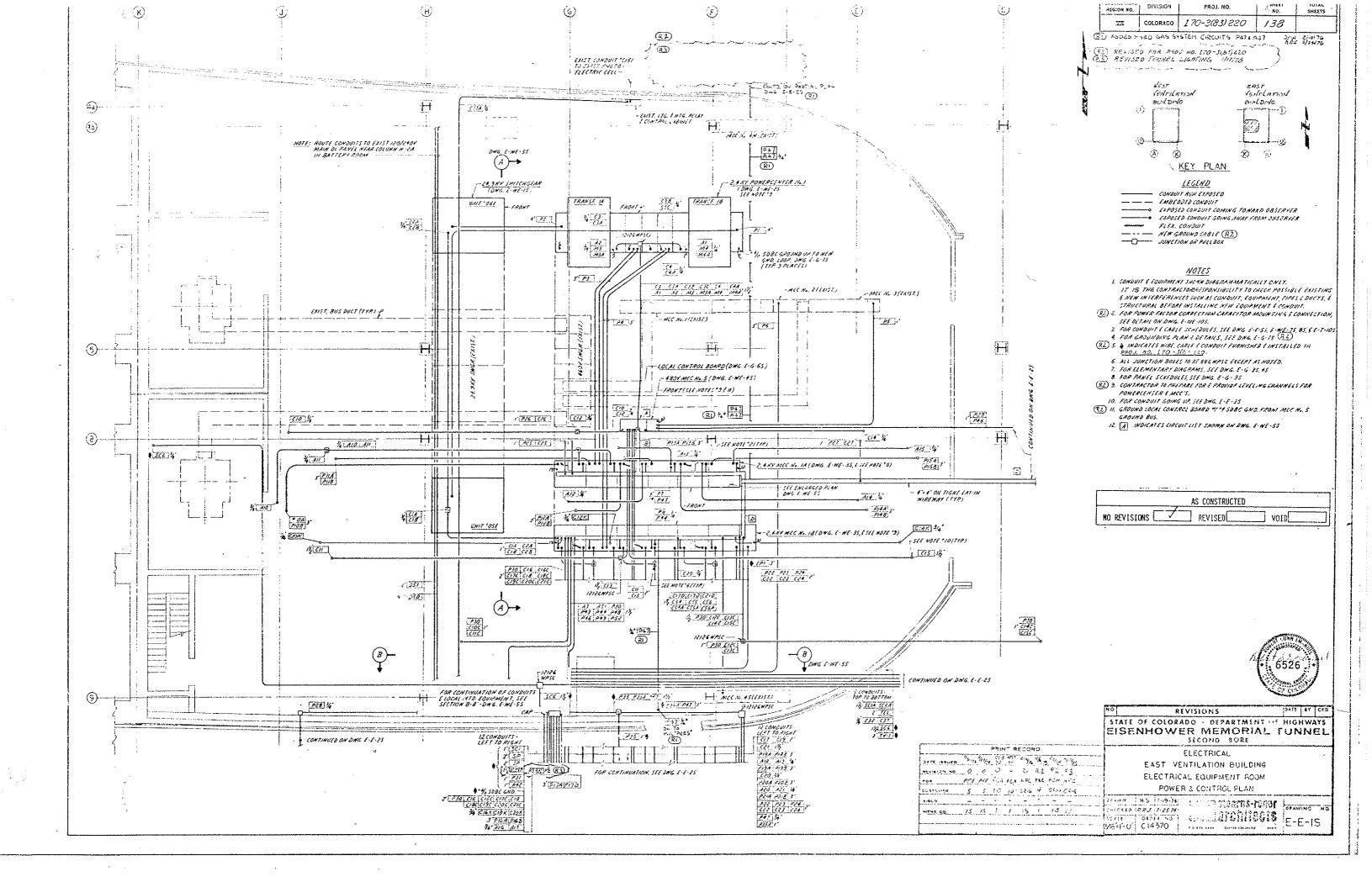
PRE PRE FCA FCA AFC AFC FRE FCA 5 5 10 5 DEC DEG 4 OFM 13 15 | 1 15 15 1 15

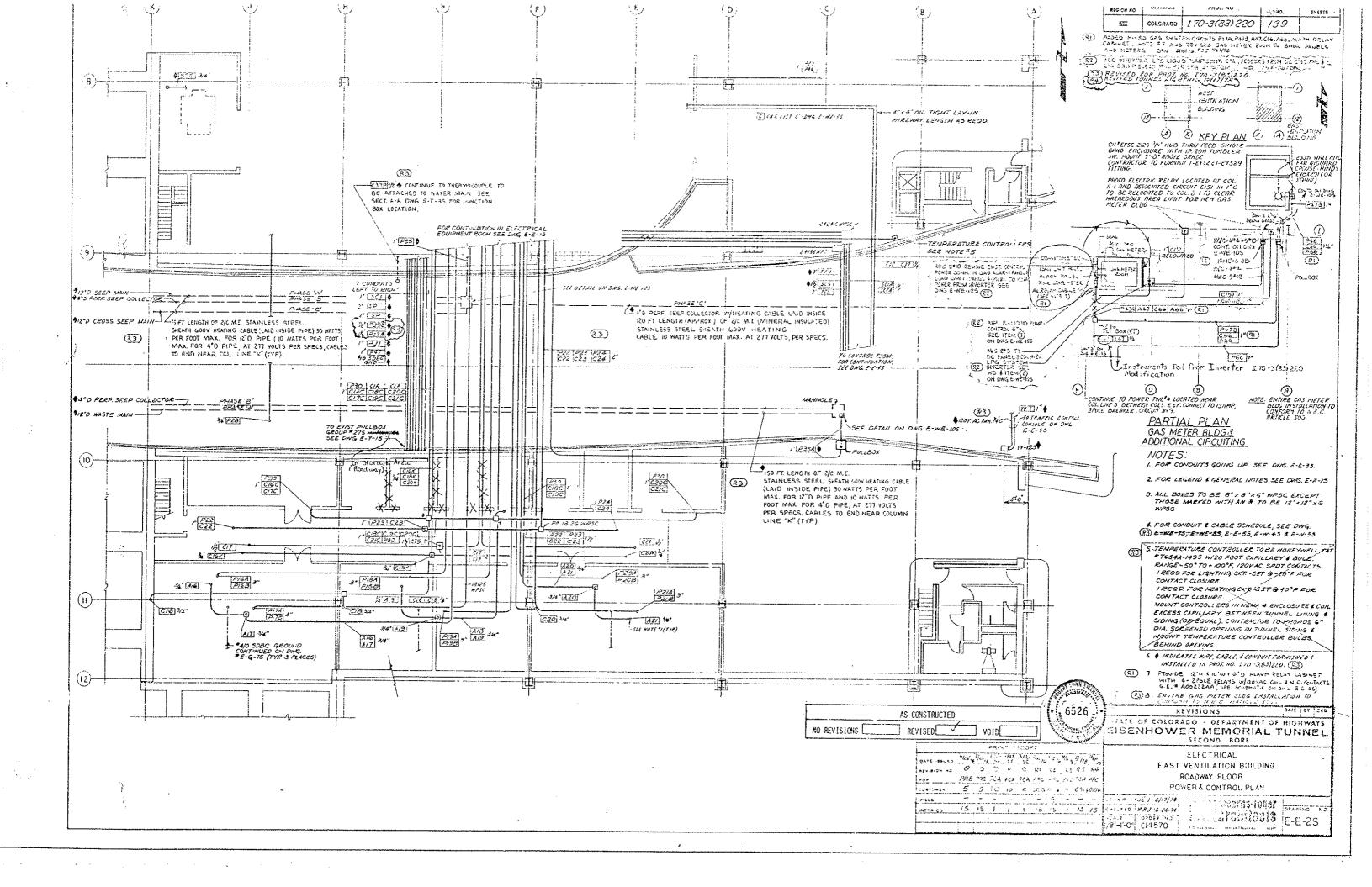
Ellarchitects

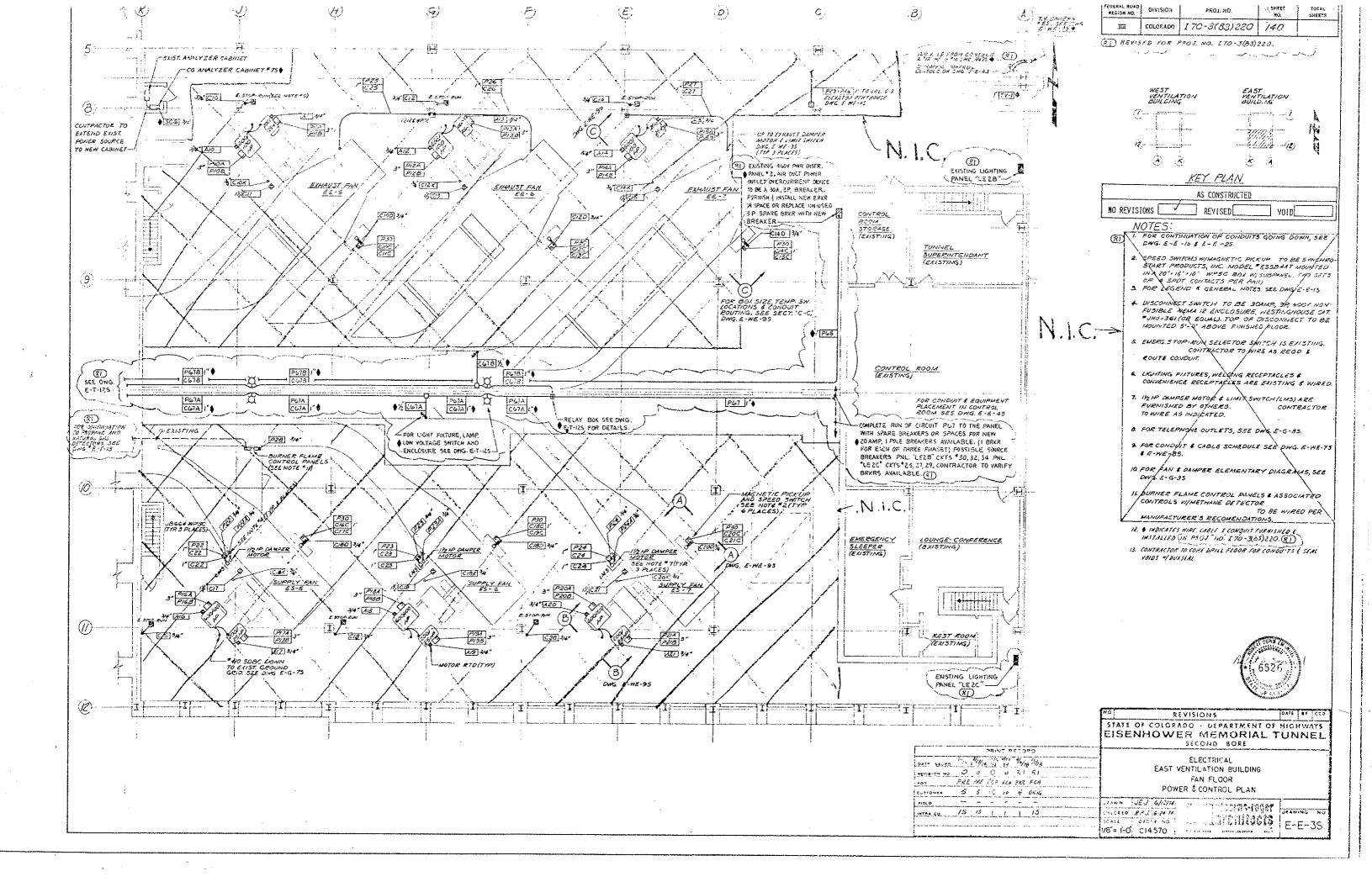
E-W-4S I is you year . March Charles

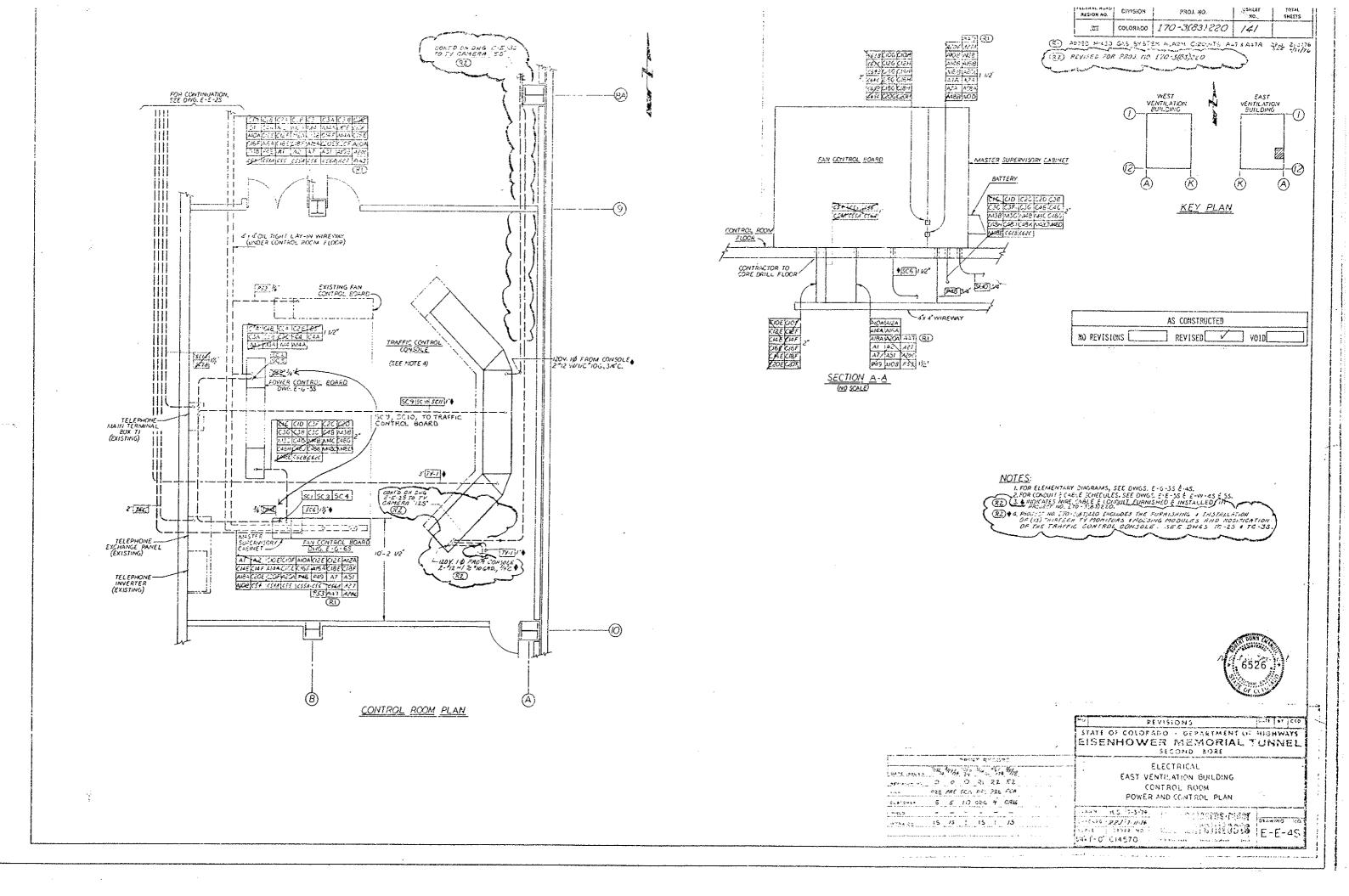
1												RESIDE SO DEVISION PROLETA SEE SHEETS
CONOUL	r l	WIRE OR CABLE				CO	MOUNT	WIRE OR CABLE				M (CLONICO 170-3(83)220 137
ICI	76	-1	FROM	то	FUNCTION	NO	SIZE	SIZE & TYPE	FROM	Υο	FUNCTION	
NO K	NO	SIZE & TYPE				710	หกิเอ.	3 3126 8.176			! 	(RI) ADDED MINED GAS SYSTEM CIRCUITS CGG & AGG JAW ZILLITG
F484 -		<u></u>	1407 SNGR. UNIT-"KI"	EMERG GENERATOR CONTROL PANEL	FEEDER	C85		3 1/2 12	460V SWITCHGEAR, UNIT 'HI'	REMOTE SUPERVISORY CABINET	CONTROL	(REVISED FOR EMERG. GENERATOR WATER HEATER OF THE
		8 1/0 * 500 MCM	EMERG SEHERATOR CONTROL PANEL	EMERIC GENERATOR JUNCTION OOK	1 '	562	<u> </u>	3 1/2 12	REMOTE SUPERVISORY CABINET	POWER CONTROL BOARD	CONTROL	AND 11.38 OIL POINP LARR, PONER 2500, AS SHOHLL TET/DAW 1/10/76
P480 -		1/C # 300 NCM	3.33,722.702.5077.02.777.12					3 1/2 1/2	Acmost Sor Environment Chapter	2	INDICATING LIGHTS	(R3) REVISED FOR PROJ. NO. 570-3(83)220.
<u>                                   </u>		1/0 # 12			EVERG, GENERATOR FIELD EXC.							
MET -		3 K =12			SUVERNOR MOTOR, FEEDER			+	480 MCC No. 45	REMOTE SUPERVISORY CABINET	CONTROL - FAN WS . S BULKHEADS	
	_ ]	<u> </u>	5.17.50	24/ 00 8475589 201401 37/5/7	244.00 655058	6634		2 1/6 1/2	THE CHASSING AND CARNOT	FAN CONTROL BOAKD	SONTROL	
D43 -			EVERG. SENERATOR CONTROL PANEL 1808 SAGR. UNIT 'RI'	24.221 SATTCHGEAR, UNIT 'SOM'	INTERIORA	663. 6636		2 1/2 12	MAST' T SYPERVISORY CAZINET	ANA SVINSI BOND	IND. 16T.	
		<del></del>		EMERG. GENERATOR JUNCTION BOX				13.3	1		,	
C488 -	- 1	7 1/0=12		480Y SHGR UNIT "KI"	LINTERLOCK	15#		1 1/2 12	4804 MCC No. 45	ALMOTE SUPERIISORY CABINET	CONTROL - FAM WS-5 BULKHEADS	
		3 //c = 12		REMOTE SUFERVISORY CABINET	<del>                                     </del>	(54)		2:2"/2	1	Sal courses Coden	CONTROL	AS CONSTRUCTED
1		2 1/0#12 2 1/0#12	<del></del>	<del>  </del>	EMERG. GEN. START-STOP SEL SW. EMERG. GEN. ON" IND. LTG.	(610		2 4 12	MASTER SUPERVISORY CABINET	FAN CONTROL BOARD	IND. LGT.	
C48# -		3 1/G #/2		<del>                                     </del>	KON OIL & HIGH TEMP IND LTG.	1 6375						NO. SEA I 210H2   SEA I 250   \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
C406 -			MASTER SUPERVISORY CABINET	POWER CONTROL BOARD	GOVERNOR SEL. SM.	665		1 4/2	100V MEC No. 45	REMOTE SUPERVISORY CABINET	CONTROL - FAN WS-7 BULKNEADS	
C¥8.4 -		10-12			EMERG GEN. START- STOP SEL. SHI	C65A		2 /2 1/2	•	<u> </u>	IND 16T.	
C#8J		2 10 412			LOW OIL & HIGH TEMP UTS.	6653		1 1/2 1/2	MASTER SUPERVISORY CABINET	FAN CONTROL BOARD	(9NTROL (NO. 14T.	
C48K -	- 1	9 1/0 # 12	3	•	LUA WE & ANDA TEME WY.	1656	+	2 1/6 1/2	† · · · · · · · · · · · · · · · · · · ·	†		. '
M+8	<del>- l</del> s	1 /C#/2	EMERG, SEV. CONTROL PANEL	REMOTE SUPERVISORY CABINET	IMMETER .	127		1 1/2 1/2	LOCAL CONTROL BOAPD	REMOTE SUPERVISORY CAEINET	ALARM - FAN DAMPER FAILURE	
14481		70 =12			POLTMETER	127		1 1/2 12	MASTER SUPERVISORY CABINET	FAN CONTRO! BOIND		NOTES:
M433 ~		2 /0*/2	<u> </u>	<u> </u>	FEEGENCY HETER	-	1	<u> </u>	<b> </b>	<b> </b>		A FOR WIRE & CABLE, SEE D.O.H. SPECIFICATIONS,
MHEC -		2 YCHIE	MASTER SUPERIISORY CARNIET	POWER CONTECT BOXED	YOUTMETER YOUTMETER	P66	+	1 68 6168 6	POWER THST PHL \$5 (EUSTING)	LP-GAS SYSTEM POWER PANEL	LPG SYSTEM FEEDER	SECTION* 720
M48E -	<del></del>	2 1/C#12	<u> </u>		PREGENCY METER	Cu	+	1 50°22 (600V)	LPG STORAGE TANK LEVEL TRANSMITTER	· <del></del>	LPG TANK LEVEL INDICATION	(RI) 2. \$ INDICATES WIRE, CARLE & CONDUIT PUREVISHED &
<del>  -   -</del>	-1			T		A64		2 16 +15	BLENDES CONTROL PRINEL	SAS HETER ROOM ALARM PANEL	BLE-DEQ ALARM	(R) 2. I NOICATES WIPE, CAPLE & CONQUIT FURVISHED &  (R) INSTALLED (IN FRO.), NO. 170-3743720 (F3)
A48A -		K*12		REMOTE SUPERVISORY CABINET	ALARM EMERG GENERATOR FAILURE						<b></b>	BDJ. SMAR CONDUITS ARE NOT INCICATED ON THIS
A488 -	== [	1 1/2 1/2	MISTER SUPERVISORY CABINET	FAN CONTROL BOARD	ALARM-GENERATOR FAILURE	( h		14 /c =6	RELAY BOX	SUPPLY AIR DUCT LIGHTS	AR DUCT LTG FDR	SCHEDULE OUT SHALL SE INCLUDED IN FROJ. HE  ETO-5(35) 120 WHEN IDENTIFIED ON PLANS
A19 -		3 /c*/2	AC POWER DIST PANEL PINS	EMERG. GEN. CONTROL PANEL	FEEDER - BATTERY CHARGER		3 9721.72		RECAT SUA	EXHAVST AIR DUCY LIGHTS		AND SECTIONS PER NOTE 2.
<del>                                    </del>	<del>-  </del> -	3 /2 /2	70122			:	ADA	<del></del>	1	SUPPLY AIR DUCT LTG CHTL SWS.	AIR DUCT LTG CONTROL	R3
049 -	<u> </u>	YC 210	120/2404 DG MIN PANEL	EMERG GEN CONTROL PANEL	MISC CONTROLS	C618	3 ♦ ₺,	3 /c *14		EXHAUST AIR DUCT LTG CHTL SWS.	•	<b>®</b>
	_			OULD MADE THE STARTER	Economic Na Collegens on	()		2 1/ 44 2 1/ 43 4	AC POWER DISTR. PNL PZ"WEST	preserve custo y a symaler mare	CONES OF ETC	63
P50 -			AC POWER DIST. PANEL *PIWS COMB. MIGHETIC STARTER	CUMB. MAGNETIC STARTER AIR COMPRESSOR MOTOR (519)	FEEDER-NIR COMPRESSOR	V Pro	9/	3/2-4/2-46.	AC FOWER DISTR. PINC FE WEST	RECEPTS, SUFFET YEXHAEST DUCTS	FUNER UNICETS	(B)
5 <del>}</del>		1/c =12	town.	PRESSURE SWITCH	CONTROL	ļ	+==	FT -		<u> </u>		·
												· · · · · · · · · · · · · · · · · · ·
P51 -		70 12	AC POWER DIST. PANEL PINS	EMERG. GENERATOR JUNETION BOX	MISC. 48CN POWER FREDER							
		2 //2 10 //2	to move out aver \$ 0245	EMERG, GENERATOR JUNETION BOX	SECURET E. GIVE MATER MEGISOR #1			<u> </u>			<u> </u>	
1		2 VC #12 2 VC #8	AC POWER DIST. PANEL PRWS	Emergingenezarak tenanyar son	LIBE OIL WEATER & CIRC. PUMP	<u>. — 6</u>				· · · · · · · · · · · · · · · · · · ·	i i	
P54	- 2	VC=12	<b>.</b>	ļ.	5* SETABH SETAM BAIDAS -	33	1					
	ī				-							
ł			EMERG. GENERATOR CONTROL PANEL	BOA DISC. SWITCH ON ROOF RADIATOE FAN MOTOR (2019)	FEECER		- <del> </del>			<u> </u>		
P554		7C-8#7C-70G	GOA DISC. SWITCH ON ROOF	ENDIAGE PAR MOTOR (2017)		-	+	<u> </u>	<u> </u>			· ·
P56	_ 1	3 /C 12 1/C 10G	EMERG GENERATOR CLWTROL PANEL	30A PISC. SWITCH	FLEDER							
P561	_ [	3 1/C #12 & 1/C #10G	30A DISC. SWITCH	JACKET WATER PUMP (71/21P)	•							
		- // ** /-	In the state of th	REMOTE SUPERVISORY CABINET	120 X AC FEEDER	-	<del></del>		<u> </u>			
ρ57 -		2 1/c* 12	AC POWER DIST. PANEL * PZMS	CE/HUIL GOFERHAURT GOMET		-	+	- <del>-</del>	<u> </u>			Art of the second secon
058		3 1/0 # 4/0	MAIN DC PANEL	AUTO.T.RANSFER SWITCH	TUNNEL EMERG. LTG. FEEDER							
OS84 0	1/4" 2	2 Vc * 10	DC DISTRIBUTION PULLBOX GER IN		POWER FAILURE STOP LIGHTS							i
P58	<del></del>			AUTO TEAMSFER SWITCH REMOTE SUPERVISORY CARINET	CONTROL POWER ALARM-EMERG, LTG3, ON		11		ļ			
		2 1/c * 12		FAN CONTROL BOARD	1 1 1	-	1 -					· · · · · · · · · · · · · · · · · · ·
<del>                                    </del>		· -   / - · ·				-	11					
Α/ -		2 YC#12		REMOTE SUPERVISORY CABINET	ALARM - GROWN NEUTRAL	`			,			
		/ VC ₹/2		FAN CONTROL BOARD		-	1		<u> </u>	<del></del>		The state of the s
11./				REMOTE SUPERVISORY CABINET	<u> </u>	}	<del>                                     </del>	-}		<del> </del>	·	A1140 6. 1
		1 1/C#12 2 1/C#12		REMOTE SUPERVISORY CABINET	- POWER PANELS OFF	-	+	+	<del>}</del>			1. 6526
<del> </del>		/ 1/C */2		FAN CONTROL BOARD	<u>,</u>		1 1					
												V From 1
P59	_ ]	2 1/6 = 10 = 1/6 = 106	AC POWER DIST. PALIEL *PZWS	RECEPTACLE AT RADIATOR FAN	IRDY AC FEEDER	}	<b>↓</b> ↓			<del> </del>		
040	-, <sub>"</sub>	3 1/4 #4	MANN DC PANEL	OC DISTRIBUTION PULLBOX GRP IN	TELEPHONE MARKER I SIGHAL DEAP FOR.	-	╃━━-╊		<u> </u>	<u> </u>		NO. REVISIONS DATE BY CEA
PG1		2 1/6 = 12	AC FOWER CAST PANEL "PZNS		120 Y AC FOR - TIME CONTROLLERS	-يب	<del></del>	<del> </del>		<u> </u>		STATE OF COLORADO - DEPARTMENT OF HIGHWAYS EISENHOWER MEMORIAL TUNNEL
	- 1											SECOND BORE
2 h		1 2/5 = 16	TELEPHONE CABINET 'THY'	LTG & HTG. RELLY & CONTROL CASWET		-	-		_		PRINT RECORD	ZLECTRICAL ZLECTRICAL
		*  · · · · · · · · · · · · · · · · · · ·		POETAL SIGNAL LIGHT NYRED 'X' POETAL SKINAL LIGHT NIGREGIARRON	KAFFIC CONTROL					DATE HOUSE	The Hope in the Hale Box Hale Stoff	WEST VENTILATION BUILDING
5C/0 ♦ 5C// \$	13/4	2 pc-/2		FORTAL SIGNAL DON'T NOREGNARAUM					•	BEVIETEM M		CONDUIT & CAPLE SCHEDULE
			7	PEMOTE SUPLEVISORY CADINET	SUPERVISORY CONTROL					704	S & 10 5 CR CUE A POR	, SHEET NO.2
								•		, there		DRAWN JEJ 7/5/74 FT TOR STORE TO THE
		Ĭ.							er en e	INTRA CO.	15 15 1 1 15 15 1 15	CHECKED RESTAUM COMMENSIONS DRAWING HO
النبا	L	_1						•				NONE CH4570
Į		9		-								

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	JZE 3	WIRE OR CABLE	<b>-</b> ∤	TG	FUNCTION	NO		WIRE OR CASL		ro .	FUNCTION
C/4	<u>Tivo</u>	3 1 15 472	124.37V SACTOMGERE, WIT * 05E	POWER CONTROL BOLES	CONTROL .	_حاد		8 6 1:1:86	US 1 475, CONTACTOR PANEL	WORTH TUNNEL AC PULLBOX GE	PROMET ITS ESERGES
16	<del> i</del>	3 100 112	*		11.010-77-4 617-5	=29	- 10 / C	£ 1/5 ° 6		SOUTH	Towner Engraphics
2- [	[	3 12 318	24.9KV SHITEHGEAR, UNIT* OBE		CONTEGL	P23	5 1/2	8 11:16	<b>+</b> + +	SOUTH +	<b>1</b>
<i>3</i>	I	3 1/2 = 12	<b>,</b> , , , , , , , , , , , , , , , , , ,	1	INDICATING LIGHTS	1,240		13 1/6=10	MC POWER DIST MINEL * MES	VEKTA TRANSFORMER PRIMERY	
3		: NC 415	2.4KI FOREETSHTER HO. FOR BER H		CONTROL	1240)		14 1/0 # 6	ISKIA TRANSPORMER SECONDAR.	POPER DIST PANEL 1925S	120/2067 FEEDER
3/		3 10=12	<u> </u>		INDICATING LIGHTS	·		1			
32		3 VC *12	24AV POWERCENTER HOLL BUS TIE		CONTROL	7	<del></del>	· • • · · · • · · · · · · · · · · · · ·	PE POWER DIET PANEL PRES	MORTH TURNEL WELL HE PULLEDISE	
30		3 -0=12	1 Ser Compactures to the State of		INDICATION LICENTS	262		4 1/5"9 t 1/5"		cour-	TARREL FECEPTACLE FEEDS
		2/2012	2.4KV POVIERCENTER NOT, AVE. SECT. 13	1 :	AMMETER VOITHETER	P43		2 1/2 7/2		2.4KV MCC NO. IA 2.4KV MCC 1/J. IB	120Y TEST POWER
73/1		3 1/5 */2	2.4KY POWERCENTER IN 1 FOR BKE S		CONTROL	P44		2 1/5 = 12			1204 555055
4:		3 /0 1/2		<u> </u>	INDICATING LIGHTS	P45		2 1/0 = 12	·	LTG & HTS PELAY & CONTROL PR	
1/4		2 V: "/2	2.4 KY PUNERCENTER VO. 1, AUX SECT. 13	1	AMMETER	P47		3 1/2 = 12	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Local Jet. Box	LTG. I RECEPTACLE PEEDE
14.4		& 1/5 #12			POLTMETER	PATA		2 1/2 212	LOCAL TOT. BOX (Ske'Z)	THE STORMSAM PETERS SAD CENTER	
			1			F-+7B		2 1/2 3 12	(252'0)	GNO DE TA BALLO ALOST	LG-THO FELDER
10€	1	7 70*12	LOCAL CONTROL BOARD	FAI. CONTEGE BOARD	EXHAUST FAN 40 5, COUTROL	1 447		5 1/2 = 12	GAS METER RM ANARM REAL CAR.	MA JUNE 4708 - TUN CONTROL BONZO	~
10F		6 15 2 18		•	IND. LICHTS	2,3	-	2 1/2 412	AC POWER DIST PANEL FRIES	1446 CO E 1410 (1440) 4 CARA 31	(20V. FEEDER
						019	T-	£ 1/2 5.2	i	PAN CONTROL BOARD	+
101		2 /c =/2	LOCAL CONTROL BOARD	FAN CONTROL BOARD	EUGAJST FAM HOLS, FAM FAILVES MARIN	050	<b>♦</b> 7 <sup>1</sup>	3 40" +	MAIN DC PANEL	DC 31374. BUTION FILL BOX GROUP '27h	TEL MARYER & STRALLGE FOR TO
138		! 1/c=12		<u> </u>	े हराहर द उदागर । 						
105		2 1/2 1/2	ļ	2.411 MECNO IN UNIT'S	MARIA - MOLLA HIGH LEWIER ATORS						
		1 5 7	1.00		-	]			TEL. BOX'T+E'	MALL TEXADOR SON TO	SUPERVISORY CONTROL
125		7 1/2 7/2	LOCAL CONTROL BOARD	FAN CONTROL BOARD	EXHAUST FAN NO. 6, CONTROL	SCZA		1 6,28 2/3 5.42.2	<del></del>	t	363
125		6 /C=12		<b>†</b>	* IND LIGHTS	h	•	1 210 16 5410	100 1017752 010 577 577	LTG E HTG. RELAY 1 CONTROL CAL	<del></del>
121		1 /0 = 12	LOCAL CONTROL BOARD	ENT CONTROL BOSE	FAUE IST FOR AN E CAN CHILLER ILLES	·	+	1 2/0 "16 3HLD		FAL CONTROL BOYEL	CONTROL
129		2 1/2 12	1	2. TAY MCC No. 1A, VAIT "3	EXHAUST FAN NO.6, FAN FAIL YPE ALARIA ALARIA - MOTOR HIGH TEMPERATURE	50.0		2 2/C=16 5HLD	DELL TERMINAL BOX 'TI'	POWER CONTECT BONDS	CONTACTOR RESET
/ <u>* -</u>		£ 1	7	10,722,200,000,000,000	ACATION THE STATE OF THE STATE	` +		1 6PE* 18 3NLD		TRAFFIC CONTROL CONSILE	SUCEENSINET CONTROL
-+						30,,	1	10 4 10 2/12	<u> </u>	1	
4.5	1	7 40#12	LOCAL CONTROL BOARD	FAN CONTROL BOARD	EXHAUST FAN NOT, CONTROL	AI		2 1/5 ≠12	2.4 KY PONERCENTER, TRANSF '18	FAN CONTEOL BOARD	ALARM - GROUND NEUTRAL
MF	-1	6 45*12		•	IND. LIGHTS	AZ	1_	2 10#12	TRANSE 'IA'	1	1
						A7		2 1/6 12	L'G E HTG. RELAT E CONTROL CACINET		POWER PANELS OFF
141		1 40-12	LOCAL CONTROL BOARD	FAN CONTROL BOARD	EXHAUST FAN NO.7, FAN FAILURE ALR.?M	127		1 1/2 12	LOCAL CONTROL BOARD		FAN DAMPER FAILURE
142		2 1/2 1/2	•	ZAKYMECK. IA, UNIT 'S	ALARM - MOTOR WIGH TEMPERATURE						
					<u> </u>	77-1	<b>♦</b> /*	(BY MOTOHOLA)	PORTAL TV CAMERAS'ES'4125	TEAFFIC CONTROL CONSOLE	
					·	ļ <u> </u>					
NGE		7   佐 = 12	LICAL CONTROL BOARD	FAN CONTROL BOARD	SUPPLY FAN NO.S, CONTROL	<b> </b>	<b> </b>				<u> </u>
16F		© 1/0 <sup>2</sup> /2	<u> </u>	<u> </u>	· NO. LIGHTS	D51		3 /2 4/0	MAIN DC PANEL	AUTO, TRANSFER SMITCH	TUNNEL EMERG, LIG. FEEDER
		1 10 12	LOCAL CONTROL BOARD	SIL COLTAGE HOLEO	SUPPLY FAN NO.5, FAY FAILURE ALARM	Pŝi		2 1/2 1/2	AC POWER DIST. PANEL "PEES	ļt	CONTROL POWER
63		2 16 12	L L	FAN CONTROL BOARD	ALARM - MOTOR NIGHTENPERATURE	151		2 1/2 12	AUTO. TRANSFER SWITCH	MAN CONTROL BOARD	ALARM - EMERG. LIGHTS ON
**		1	<u> </u>			PSZ	<del> </del>	2 1/6 1/2	AC POWER DIST PANEL PERS	INCH CONTROL PAREZ	120446 FOR - TONG CONTRALS
					<del></del>	1 732		161/6/6	AL POWER DIST PAREL FEED	LOCAL CONTROL BOARD	IZOVAC FDR TEMP. CONTROLLE
BE		7 //c = 12	LOCAL CONTROL BOARD	FAN CONTROL BOARD	SUPPLY FAN NO. G, CONTROL	PS3		2 1/2"12	EXIST. FAN CONTROL BOARD	NEW FAN CONTROL BOARD	IZON CO ANALYZER RECORDER
₫F.	- 1	6 1t = 12		•	IND. LIGHTS						1
						554	_	1 1/2 12	4804 MCC No. 45	FAN CONTROL BOARD	CONTROL - FAN ES-S BULKHEAD.
181		1 4c = 12		FAN CONTROL BOARD	SUPPLY FAN NO & FFY FALURE ALARM	C5+A		2 1/2 *12		*	WD 177
		· 1/	LOCAL CONTROL BOARD	<del>+</del>			i				IND 147.
,8₫	- 1	2 1/2 1/2	LOCAL CONTROL BOARD	2.4 KY MCC No. 18, UNIT 23	ALARM - MOTOR HICH TEMPERATURE						WO 201.
,85	=	2 1/6 1/2	LOCAL CONTROL BOARD	2.4 XV MCC No. 18, UNIT "3	ALARM - MOTOR HICH TEMPERATURE	C55		1 1/6 1/2	+204 MCC N. 45	SAN CONTROL BUARD	CONTROL - FAN ES-6 BULNHEAD
		2 1/2 1/2	•			C55 C55A			1201 M.C.C. M. 15	SAN CONTROL BOARD	
?0€		2 1/2 1/2 7 1/0 * 1/2	LOCAL CONTROL BOARD	ZARY MCC N. 18, UNIT "Z  FAN CONTROL BOARD	SUPPLY FAN NO.7, CONTROL	C55A		1 1/6"12 2 1/6"12			CONTROL - FAN ES-6 BULNHEAD INR 141.
		2 1/2 1/2	•			C55A		4 1/2°12 2 1/2°12 4 1/2°12	1 4901 MCC N. 45	SAN CONTROL BOARD	CONTROL - FAN ES-6 BULNHEAD INR 147. *
?0€ ?0≠		2 1/6 1/8 7 1/6 #12 6 1/2 *12	LOCAL CONTROL BOARD	FAN CONTROL BOARD	SUPPLY FAN NO.7, CONTROL IND LIGHTS	C55A		1 1/6"12 2 1/6"12			CONTROL - FAN ES-6 BULNHEAD INR 141.
20€ 20¢ 204		2 1/2 1/2 7 1/0 # 1/2 6 1/2 # 1/2 1 1/2 # 1/2	•	FAN CONTROL BOARD	SUPPLY FAIN NO. T, CONTROL IND LIGHTS SUPPLY FAIT NO. T, FIMEAUJRÉMARM	C55A		4 1/2°12 2 1/2°12 4 1/2°12	1 4901 MCC N. 45		CONTROL - FAN ES-6 BULNHEAD INR 147. *
20E 20F 20A 20E		2 1/4 1/2 7 1/0 # 1/2 6 1/2 * 1/2 1 1/2 * 1/2 2 1/4 1/4	LOCAL CONTROL BOARD	FAN CONTROL BOARD	SUPPLY FAN NO.7, CONTROL IND LIGHTS	C55A C56 C56A		1 1/2*12 2 1/2*12 4 1/2*12 2 1/2*12	\$ \$807 MCC N- \$5	FAN CONTPOL BOARD	CONTROL - FAM ES-6 BULKHEAD WAR 167. \$  CONTROL - FAM ES-7 BULKHEAD IND. 167. \$
20€ 20¢ 204		2 1/2 1/2 7 1/0 # 1/2 6 1/2 # 1/2 1 1/2 # 1/2	LOCAL CONTROL BOARD	FAN CONTROL BOARD  FAN CONTROL BOARD  2.9AV MC( No. 18. UNIT 'S	SUPPLY FAIN NO. T, CONTROL IND LIGHTS SUPPLY FAIT NO. T, FIMEAUJRÉMARM	CSSA CSSA CSSA PGG		1 1/2*12 2 1/2*12 4 1/2*12 2 1/2*12 4 1/2*12 4 1/2*13 2/2*3 6	# #807 MCC N= #5  # PSINCE SIST ONL*= (ESISTING) [SIN SP. RECE = RECUT HIS.	FAN CONTPOL BOARD  LE-GAS SISTER FOWER PONEL	CONTROL - FAN ES-6 BULKHEAD INR 147.  CONTROL - FAN ES-7 BULKHEAD IND. 161.  LPG SYSTEM FEEDER
20E 20F 20A 20E		2 1/4 1/2 7 1/0 # 1/2 6 1/2 * 1/2 1 1/2 * 1/2 2 1/4 1/4	LOCAL CONTROL BOARD	FAN CONTROL BOARD  FAN CONTROL BOARD  2.9AV MC( No. 18. UNIT 'S	SUPPLY FAM NO. T, CONTROL  , NO LIGHTS  SUPPLY FAIL NO. T, FAMENLIRÉ MARM ALARM - MOTOR MEA TEMPERATURE	CSSA CSSA CSSA PGG CSSS		1 1/2*12 2 1/2*12 4 1/2*12 2 1/4*12 4 1/6*3 6 1/6*3 6 1 5/6*32(3004)	FROM MCC No. 45  FRANCE DIST THE TO SECURITING  FRANCE DIST THE TOWN THE TO	EAN CONTROL BOARD  LF-GAS SISTEM FOWER PANEL  GOSTETES TOOM LEVEL METER	CONTROL - FAM ES-6 BULKHEAD INR 147.  CONTROL - FAM ES-7 BULKHEAD IND 167.  LPG SYSTEM FEEDER  PG TALL LEVEL HUDICATION
20E 20A 20A 20E		2 1/2 1/2 7 1/0 # 1/2 6 1/2 # 1/2 1 1/2 # 1/2 1 1/2 * 1/2 1 1/2 * 1/2	LOCAL CONTROL BOARD	FAN CONTROL BOARD  EAN CONTROL BOARD  2.9 AV MC( M. 18. UNIT 'S  FAN CONTROL BOARD	SUPPLY FAM NO. T, CONTROL  , NO LIGHTS  SUPPLY FAIL NO. T, FAMENLIRÉ MARM ALARM - MOTOR MEA TEMPERATURE	CSSA CSSA CSSA PGG		1 1/2*12 2 1/2*12 4 1/2*12 2 1/2*12 4 1/2*12 4 1/2*13 2/2*3 6	# #807 MCC N= #5  # PSINCE SIST ONL*= (ESISTING) [SIN SP. RECE = RECUT HIS.	FAN CONTPOL BOARD  LE-GAS SISTER FOWER PONEL	CONTROL - FAN ES-6 BULKHEAD INR 147.  CONTROL - FAN ES-7 BULKHEAD IND. 161.  LPG SYSTEM FEEDER
20E 20A 20A 20E		2 1/2 1/2 7 1/0 # 1/2 6 1/2 # 1/2 1 1/2 # 1/2 1 1/2 * 1/2 1 1/2 * 1/2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL PIES	FAN CONTROL BOARD  EAN CONTROL BOARD  2.9 AV MC( M. 18. UNIT 'S  FAN CONTROL BOARD	SUPPLY FAM NO. T, CONTROL  , NO LIGHTS  SUPPLY FAIL NO. T, FAMENLIRÉ MARM ALARM - MOTOR MEA TEMPERATURE	CSSA CSSA CSSA PGG Coo		1 1/2*12 2 1/2*12 4 1/2*12 2 1/4*12 4 1/6*3 6 1/6*3 6 1 5/6*32(3004)	FROM MCC No. 45  FRANCE DIST THE TO SECURITING  FRANCE DIST THE TOWN THE TO	EAN CONTROL BOARD  LF-GAS SISTEM FOWER PANEL  GOSTETES TOOM LEVEL METER	CONTROL - FAM ES-6 BULKHEAD INR 147.  CONTROL - FAM ES-7 BULKHEAD IND 167.  LPG SYSTEM FEEDER  PG TALL LEVEL HUDICATION
206 204 208 208 200 228		2 1/4 1/2 7 1/6 #12 6 1/6 #12 1 1/6 #12 2 1/4 1/2 1 1/4 *17 3 1/6 *10 4 1/6 *12	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL PIES  AC POWER DIST PANEL PIES	FAN CONTROL BOARD  FAN CONTROL BOARD  2 FAT MCC M. 18. UNIT 'S  FAN CONTROL BOARD  AIR HEAT BURNER FLANS CONTROL FALS  SPEED SWITCH	SUPPLY FAN NO.T, CONTROL IND LIGHTS  SUPPLY FAIT NO.T, FAMERIUME MARM ALARM - MISTOR MAN TEMPERATURE  FEEDER  1204 FEEDER	7554 756 7564 766 766 767 767A		# 1/2*12  # 1/2*12  # 1/2*12  # 1/2*8 c 1/2*8 G  1 5/2*22(\$0000)  2 1/2*12  4 1/2*6	PANER DIFF THE TALESTONG! IS IN DATE OF THE TALESTONG! IS IN DATE OF THE TALESTONG THE CONTINUE	AN CONTROL BOARD  LF-GAS SISTEM FOWER PANEL  GAS METER ROOM LEVEL METER  AS METER ROOM ALARM PALEL	CONTROL - FAM ES-6 BULKHEAD INK 16T.  CONTROL - FAM ES-7 BULKHEAD IND 16T.  LPG SYSTEM FEEDER LPG TANK LEVEL HIDICATION BLENDER ALARM
204 204 204 208 206 206		2 ½ 1/2 7 ½ 1/2 6 ½ 1/2 1 ½ 1/2 1 ½ 1/2 1 ½ 1/2 3 ½ 1/0	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL PIES	FAN CONTROL BOARD  FAN CONTROL BOARD  2.914 MCC M. 18. UNIT 'S  FAN CONTROL BOARD  A.R. HEAT BURNER FLANE CONTROL FALS	SUPPLY FAN NO.T, CONTROL IND LIGHTS  SUPPLY FAIT NO.T, FAMERIUME MARM ALARM - MISTOR MAN TEMPERATURE  FEEDER  1204 FEEDER	7554 756 7564 766 766 767 767A		# 1/2*12  # 1/2*12  # 1/2*12  # 1/2*2  # 1/2*3 c 1/2*3 G  1 5/2*22(\$002*)  2 1/2*12  4 1/2*6  4 1/2*6  4 1/2*6  4 1/2*6	FROM MCC N. 15  PAMER DIST DIR ** [EXISTING]  SAN DIR CRESS C. ROLL MISS.  ALSO DESCRIPTION OF PROBLE  LTG PNL "LE2B" OR "LE2C"  RELAY BOX	AN CONTROL BOARD  LF-GAS JISTEM FONCE PANEL  GAS METER ROOM LIFE METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  EMAUSE AIR DUCT LIGHTS	CONTROL - FAM ES-6 BULKHEAD IMB 167.  CONTROL - FAM ES-7 BULKHEAD IMB 168.  LPG SYSTEM FEEDER
20E 20F 20A 20A 20B 20B 20C		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES	FAN CONTROL BOARD  FAN CONTROL BOARD  2.9 AV MCC M. 18. UNIT 'S  FAN CONTROL BOARD  ALR HEAT BURNER FLANE CONTROL PLAS  5.PSED SWITCH  SOUTH TUNNSL WALLAC PULLBOASEOUP	SUPPLY FAN NO.7, CONTROL  NO LIGHTS  SUPPLY FAN NO.7, FAMEAUSRÉALARM ALARM - MISTOR MA TEMPERATURE  FEEDER  1204 FEEDER  TEAFFIC CONTROL	755 756 756 765 765 765 767 767 767 767	0 % 1 0 % 1	# 1/6"12 2 1/6"12 4 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6"22 (2007) 2 1/6"12 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6	FROM MCC No. 45  PRINCE DOST PRINCE TEXASTINGS IS A DECKER TO RECEIVE TO SAMETER  3.1-1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	AN CONTROL BOARD  LF-GAS SISTEM FOWER PANEL  GIOTHETES TOWN LEVEL METER  AS METES FORM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS SMS.	CONTROL - FAM ES-6 BULKHEAD IMB 167.  CONTROL - FAM ES-7 BULKHEAD IMB 168.  LPG SYSTEM FEEDER
20E 20A 20E 20E 20E 20E 20E		2 1/4 1/6  7 1/6 # 1/2  7 1/6 # 1/2  1 1/5 # 1/2  2 1/4 1/8  3 1/6 # 1/6  4 1/6 # 6  4 1/6 # 6	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4N MCL M. 18. UNIT 'S  FAN CONTROL BOARD  A.R.HEAT BURNER FLANS CONTROL PASS  SPEED SWITCH  SOUTH TUNNSL WALLAC PULLBOX GROUP  LTG. 1 HTG. CONTACTOR PAUSL	SUPPLY FAN NO.T, CONTROL ,NO LIGHTS  SUPPLY FAIL NO.T, FUNCALIBE MARK ALARM - MOTOR MAN TEMPERATURE  FEEDER  TRAFFIC CONTROL  MATER MAIN PIPE HTG PEEDER	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6 # 22 (2004) 2 1/6 # 12 4 1/6 # 6 4 1/6 #	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	EMM CONTROL BOARD  LF-GAS SYSTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANYS AIR DUCT LIGHTS  SMETLY AIR DUCT LIGHTS	CONTROL - FAM ES-6 BULKHEAD  MR 147.  CONTROL - FAM ES-7 BULKHEAD  IND 167.  LPG SISTEM FEEDER  LPG TALL LEVEL HISICATION BLENDER ALARM  AIR OUCT LTG FOR  AIR OUCT LTG CONTROL
20 € 20 € 20 € 20 € 20 € 20 € 20 € 20 €		2 1/4 1/6  7 1/6 * 1/2  7 1/6 * 1/2  1 1/6 * 1/2  2 1/4 * 1/2  3 1/6 * 1/6  4 1/6 * 6  2 1/6 * 7/2  2 1/6 * 7/2  3 1/6 * 7/2  4 1/6 * 6  2 1/6 * 7/2  2 1/6 * 7/2  3 1/6 * 7/2  4 1/6 * 6  2 1/6 * 7/2  2 1/6 * 7/2  3 1/6 * 7/2  4 1/6 * 7/2  4 1/6 * 7/2  5 1/6 * 7/2  5 1/6 * 7/2  6 1/6 * 7/2  7 1/2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  TEMPERATURE CONTROLLER *2	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4 N MCC N. 18. UNIT'S  FAN CONTROL BOARD  A.RIEAT BURNER FLANE CONTROL PASS  5PSED SWITCH  SOUTH TUNNSL WALLAC PULLBOX GROWN  LTG. & HTG. CONTACTOR PASSEL  LTG. & HTG. RELAY & CONTROL CAS.	SUPPLY FAN NO.T, CONTROL ,NO LIGHTS  SUPPLY FAIT NO.T, FAN FAIL THE MARK ALARM - MISTOR HIGH TEMPERATURE  FEEDER  TEAFFIC CONTROL  WITER MAIN PIPE HTG PEEDER CONTROL	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6"22 (2007) 2 1/6"12 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6 4 1/6"6	FROM MCC N. 45  FROM P DIT THE TELESTIME I  FROM SA RECCE TRUE MED.  FROM STORAGE TAKE LEVEL TRANSMITTER  3.1-1-2-2 CONTROL PRINEL  LTG PHL "LEZB" OR "LEZC"  RELAY BOX	AN CONTROL BOARD  LF-GAS SISTEM FOWER PANEL  GIOTHETES TOWN LEVEL METER  AS METES FORM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS  SMETELY AIR DUCT LIGHTS SMS.	CONTROL - FAM ES-6 BULKHEAD IMB 167.  CONTROL - FAM ES-7 BULKHEAD IMB 168.  LPG SYSTEM FEEDER
20€ 20€ 20€ 20€ 20€ 20€ 20€ 20€ 20€ 20€		2 1/2 1/2 7 1/C # 1/2 6 1/C # 1/2 1 1/C # 1/2 2 1/2 1/2 1 1/2 * 1/2 3 1/C # 1/2 4 1/C * 6 2 1/C * 6 4	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  TEMPERATURE CONTROLLER *2  LTG   htg. CONTAUTUR PANEL	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4NY MCC M. 18. UNIT'S  FAN CONTROL BOARD  A.P.HEAT BURNER FLANS CONTROL BUS  SPEED SMITCH  SOUTH TUNNEL WALL AC PULLBOX GROWP  LTG. 8 HTG. CONTACTOR PAISL  LTG. 8 HTG. RELAY 8 CONTROL CAS  HORIH TUNNEL WALL AC PULBOX GROWP	SUPPLY FAN NO.T, CONTROL ,NO LIGHTS  SUPPLY FAIT NO.T, FAN FAIL THE MARK ALARM - MOTOR WAS TEMPERATURE  FEEDER  120Y FEEDER  TRAFFIC COTTROL  WITER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6 # 22 (2004) 2 1/6 # 12 4 1/6 # 6 4 1/6 #	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	EMM CONTROL BOARD  LF-GAS SYSTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANYS AIR DUCT LIGHTS  SMETLY AIR DUCT LIGHTS	CONTROL - FAM ES-6 BULKHEAD  MR 147.  CONTROL - FAM ES-7 BULKHEAD  IND 167.  LPG SISTEM FEEDER  LPG TALL LEVEL HISICATION BLENDER ALARM  AIR OUCT LTG FOR  AIR OUCT LTG CONTROL
20E 20A 20E 20E 20E 20C 22E 30 31 4 32 33 4		2 1/4 1/2  7 1/6 # 1/2  6 1/6 # 1/2  2 1/4 1/2  3 1/6 # 1/2  3 1/6 # 1/2  4 1/6 * 6  4 1/6 * 7  4 1	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  TEMPERATURE CONTROLLER *2  LIG   ING. CONTROLLER *2  LIG   ING. CONTROLLER I.C. *3	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4 NY MCC No. 18. UNIT'S  FAN CONTROL BOARD  A.P. HEAT BURNER FLANS CONTROL PAUS  SPEED SMITCH  SOUTH TUNNEL WALLAC PULLBOX GROWP  LTG. 8 HTG. CONTACTOR PAUSL  LTG. 8 HTG. RELAY 8 CONTROL CAB.  HORIH TUNNEL WALL AC PILLEOX GROWP  LTG. 16 HTG. RELAY 1 CONTROL CAB.	SUPPLY FAN NO.T, CONTROL , NO LIGHTS  SUPPLY FAIT NO.T, FAN EALURÉ MARM ALARM - MOTOR MAY TEMPERATURE  FEEDER  1207 FEEDER  TRAFFIC CONTROL  WITER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL (TO #3 POWER	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6 # 22 (2004) 2 1/6 # 12 4 1/6 # 6 4 1/6 #	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	EMM CONTROL BOARD  LF-GAS SYSTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANYS AIR DUCT LIGHTS  SMETLY AIR DUCT LIGHTS	CONTROL - FAM ES-6 BULKHEAD  MR 147.  CONTROL - FAM ES-7 BULKNEAD  IND 167.  LPG SISTEM FEEDER  LPG TALL LEVEL HIDICATION BLENDER ALARM  AIR OUCT LTG FOR  AIR OUCT LTG CONTROL
20E 20A 20E 20A 20E 20A 20E 20A 20E 20A 20E 20A 20B 20B 20B 20B 20B 20B 20B 20B 20B 20B		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  TEMPERATURE CONTROLLER *2  LIG   HIG. CONTROLLER *1C. *3  TEMPERATURE CONTROLLER I.C. *3	FAN CONTROL BOARD  FAN CONTROL BOARD  2.917 MCC M. 18. UNIT 'S  FAN CONTROL BOARD  AR HEAT BURNER PLANE CONTROL PAGE  SOUTH TURN SE WALL AC PULL BOX GROWN  LTG. 8 HTG. CONTACTOR PAYEL  LTG. 8 HTG. RELAY 8 CONTROL CAB.  HORTH TUNNEL WALL AC PULLOX GROWN  TG. ( HTG. RELAY 1, CONTROL CAB.  THERMOCOUPLE ON WATER MAIN	SUPPLY FAN NO.T, CONTROL  , NO LIGHTS  SUPPLY FAIT NO.T, FAN EALURÉ MARM ALARM - MISTOR MAN TEMPERATURE  FEEDER  ZOV FEEDER  TRAFFIC CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL ( T.C. *3 POWER  TEMP SENSING	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6 # 22 (2004) 2 1/6 # 12 4 1/6 # 6 4 1/6 #	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	EMM CONTROL BOARD  LF-GAS SYSTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANYS AIR DUCT LIGHTS  SMETLY AIR DUCT LIGHTS	CONTROL - FAM ES-6 BULKHEAD  MR 147.  CONTROL - FAM ES-7 BULKHEAD  IND 167.  LPG SISTEM FEEDER  LPG TALL LEVEL HISICATION BLENDER ALARM  AIR OUCT LTG FOR  AIR OUCT LTG CONTROL
20E 20A 20E 20A 20E 20A 20E 20A 20E 20A 20B 20B 20B 20B 20B 20B 20B 20B 20B 20B		2 1/4 1/2  7 1/6 # 1/2  6 1/6 # 1/2  2 1/4 1/2  3 1/6 # 1/2  3 1/6 # 1/2  4 1/6 * 6  4 1/6 * 7  4 1	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  TEMPERATURE CONTROLLER *2  LIG   ING. CONTROLLER *2  LIG   ING. CONTROLLER I.C. *3	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4 NY MCC No. 18. UNIT'S  FAN CONTROL BOARD  A.P. HEAT BURNER FLANS CONTROL PAUS  SPEED SMITCH  SOUTH TUNNEL WALLAC PULLBOX GROWP  LTG. 8 HTG. CONTACTOR PAUSL  LTG. 8 HTG. RELAY 8 CONTROL CAB.  HORIH TUNNEL WALL AC PILLEOX GROWP  LTG. 16 HTG. RELAY 1 CONTROL CAB.	SUPPLY FAN NO.T, CONTROL , NO LIGHTS  SUPPLY FAIT NO.T, FAN EALURÉ MARM ALARM - MOTOR MAY TEMPERATURE  FEEDER  1207 FEEDER  TRAFFIC CONTROL  WITER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL (TO #3 POWER	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6 # 22 (2004) 2 1/6 # 12 4 1/6 # 6 4 1/6 #	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	EMM CONTROL BOARD  LF-GAS SYSTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANYS AIR DUCT LIGHTS  SMETLY AIR DUCT LIGHTS	CONTROL - FAM ES-6 BULKHEAD  MR 147.  CONTROL - FAM ES-7 BULKHEAD  IND 167.  LPG SISTEM FEEDER  LPG TALL LEVEL HISICATION BLENDER ALARM  AIR OUCT LTG FOR  AIR OUCT LTG CONTROL
2006 2006 2006 2006 2006 2006 2006 2006		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  TEMPERATURE CONTROLLER *2  TEMPERATURE CONTROLLER T.C. *3  TEMPERATURE CONTROLLER T.C. *3  TEMPERATURE CONTROLLER T.C. *3  AC POWER DIST PANE. **PIES	FAN CONTROL BOARD  EAN CONTROL BOARD  2.9111 MCC M. 18. UNIT'S  FAN CONTROL BOARD  AIR HEAT BURNER FLANS CONTROL FALS  SPEED SWITCH  SOUTH TUNNS LIMIL AC PULLBOARROW  LTG. 8 HTG. CONTACTOR PAISL  LTG. 1 HTG. RELAY & CONTROL CAB.  HORIH TUNNEL WALL AC PULBOARROW  TIG. (HTG. RELAY & CONTROL CAB.  THERMOCOUPLE ON WATER MAIN  LTG. 8 HTG. CONTROL FRANSL	SUPPLY FAIN NO. 7, CONTROL , NO LIGHTS  SUPPLY FAIL NO. 7, FAMERILIRÉ MARM ALARM - MOTOR MA TEMPERATURE  FEEDER  TRAPPIC CONTROL  WITER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL ( T.C. *3) FOWER TEMP SENSING  SEEPIGE DEAIN HTG. FEELER	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6 # 22 (2004) 2 1/6 # 12 4 1/6 # 6 4 1/6 #	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	EMM CONTROL BOARD  LF-GAS SYSTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANYS AIR DUCT LIGHTS  SMETLY AIR DUCT LIGHTS	CONTROL - FAN ES-6 BULKHEAD INR LGT.  CONTROL - FAN ES-7 BULKHEAD IND LGT.  LPG SISTEM FEEDER  JAG TALL LEVEL HIDICATION BLENDER ADARM  AIR DUCT LTG FOR  AIR DUCT LTG CONTROL  POWER OUTLETS
200E 200F 200F 200F 200F 200F 200F 200F		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  TEMPERATURE CONTROLLER *2  LIG   HIG. CONTACTOR PANEL  TEMPERATURE CONTROLLER T.C. *3  TEMPERATURE CONTROLLER T.C. *3  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  LTG. & HIG. CONTACTOR PANEL	FAN CONTROL BOARD  FAN CONTROL BOARD  2.917 MCC M. 18. UNIT 'S  FAN CONTROL BOARD  AR HEAT BURNER PLANE CONTROL PAGE  SOUTH TURN SE WALL AC PULL BOX GROWN  LTG. 8 HTG. CONTACTOR PAYEL  LTG. 8 HTG. RELAY 8 CONTROL CAB.  HORTH TUNNEL WALL AC PULLOX GROWN  TG. ( HTG. RELAY 1, CONTROL CAB.  THERMOCOUPLE ON WATER MAIN	SUPPLY FAIN NO. 7, CONTROL , NO LIGHTS  SUPPLY FAIL NO. 7, FAMERILIRÉ MARM ALARM - MOTOR MA TEMPERATURE  FEEDER  TRAPPIC CONTROL  WITER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL ( T.C. *3) FOWER TEMP SENSING  SEEPIGE DEAIN HTG. FEELER	7554 756 7564 7564 766 766 767 7678 7678 7678 7678		# 1/6"12 2 1/6"12 4 1/6"8 6 1/6"8 6 1 5/6 # 22 (2004) 2 1/6 # 12 4 1/6 # 6 4 1/6 #	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	AN CONTPOL BOARD  LF-GAS SISTEM FOWER PANEL  GO HETER DOM LIVE METER  AS METER FICH ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  EMAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIG CNTL SWS.  RECEPTS, SUPPLY (RETURN DUCTS	CONTROL - FAM ES-6 BULKHEAD MR 14T.  CONTROL - FAM ES-7 BULKHEAD IND 16T.  LPG SYSTEM FEEDER -PG TA-4 LBYEL HIDICATION BLENDER AVARM  AIR DUCT LTG FOR  AIR DUCT LTG CONTROL  POWER OUTLETS
2006 2006 2006 2006 2006 2006 2006 2006		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  TEMPERATURE CONTROLLER *2  LIG   HIG. CONTACTOR PANEL  TEMPERATURE CONTROLLER I.C. *3  TEMPERATURE CONTROLLER I.C. *3  AC POWER DIST PANEL * PIES  LTG. & HIG. CONTACTOR PANEL  LTG. & HIG. CONTACTOR PANEL	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4AV MCC N. 18. WHIT'S  FAN CONTROL BOARD  A.RIBAT BURNER FLANS CONTROL PASS  5.PSED SWITCH  SOUTH TUNNS L WALL AC PULLBOX GROWN  LTG. & HTG. CONTACTOR PASSEL  LTG. & HTG. CONTACTOR PASSEL  LTG. & HTG. CONTACTOR PASSEL  TO G. HTG. RELAY & CONTROL CAB.  HORTH TUNNEL WALL AC PILLBOX GROWN  TO (HTG. RELAY & CONTROL CAB.  THERMOCOUPLE ON WATER MAIN  LTG. & HTG. CONTS. TOR PANSEL  MORTH VINLL PRAIMAGE MAY WILL  SOUTH WALL DRAWAGE MANNELS	SUPPLY FAN NO. T, CONTROL  ,NO LIGHTS  SUPPLY FAIL NO. T, FINEAU REMARK ALARM - MOTOR MAI TEMPERATURE  FEEDER  TEAFFIC CONTROL  MATER MAIN PIPE HTG PEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL (T.C. *3 POWER  TEMP SENSING SEEPAGE DEAIN HTG, FEEDER  SEEPAGE DEAIN HTG, FEEDER	7554 756 756 756 765 765 766 767 7678 7678 7		1 1/2 1/2 2 1/2 1/2 4 1/2 1/2 4 1/2 1/2 4 1/2 1/3 2 1/2 1/3 6 1 5/2 1/3 2 (3000) 2 1/2 1/3 4 1/2 1/3 4 1/2 1/3 4 1/2 1/3 3 1/2	PANCE DIT THE SECRETORS  PANCE DIT THE SECRETORS  PANCE DIT THE SECRETORS  PANCE DIT THE SECRETORS  LITE PHE "LEZB" OR "LEZC"  RELAY BOX  AC POWER DISTRIBUTION PANEL	AN CONTPOL BOARD  LF-GAS SISTEM FOWER PAWEL  GAS METER FOOL EVEL METER  AS METER FOOL ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SWEFLY AIR DUCT LIGHTS  SWEFLY AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  DATE MANTE	CONTROL - FAM ES-6 SULFHEAD  MR 147.  CONTROL - FAM ES-7 SULFMEAD  IND. 167.  LPG SYSTEM FEEDER  —PG TALL LEVEL HOLGATION  BLENDER ALARM  AIR DUCT LTG FOR  POWER OUTLETS  PRINT RECORD
200 E 200 E		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  TEMPERATURE CONTROLLER *2  LTG   HTG. CONTROLLER *1.C. *3  TEMPERATURE CONTROLLER *1.C. *3  AC POWER DIST PANEL *PIES  LTG, & HTG. CONTROLTOR OWIEL  **  LTG, & HTG. CONTROLTOR OWIEL  **  **  **  **  **  **  **  **  **	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4AV MCC N. 18. WHIT'S  FAN CONTROL BOARD  A.RIBAT BURNER FLANS CONTROL PASS  5.PSED SWITCH  SOUTH TUNNS L WALL AC PULLBOX GROWN  LTG. & HTG. CONTACTOR PASSEL  LTG. & HTG. CONTACTOR PASSEL  LTG. & HTG. CONTACTOR PASSEL  TO G. HTG. RELAY & CONTROL CAB.  HORTH TUNNEL WALL AC PILLBOX GROWN  TO (HTG. RELAY & CONTROL CAB.  THERMOCOUPLE ON WATER MAIN  LTG. & HTG. CONTS. TOR PANSEL  MORTH VINLL PRAIMAGE MAY WILL  SOUTH WALL DRAWAGE MANNELS	SUPPLY FAN NO. T, CONTROL  ,NO LIGHTS  SUPPLY FAIL NO. T, FINEAU REMARK ALARM - MOTOR MAI TEMPERATURE  FEEDER  TEAFFIC CONTROL  MATER MAIN PIPE HTG PEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL (T.C. *3 POWER  TEMP SENSING SEEPAGE DEAIN HTG, FEEDER  SEEPAGE DEAIN HTG, FEEDER	7554 756 756 756 765 765 766 767 7678 7678 7		1 1/2 1/2 2 1/2 1/2 4 1/2 1/2 4 1/2 1/2 4 1/2 1/3 2 1/2 1/3 6 1 5/2 1/3 2 (3000) 2 1/2 1/3 4 1/2 1/3 4 1/2 1/3 4 1/2 1/3 3 1/2	FANCE DE PROPERTOR DE LES PROPERTORS DE LES PROP	EM CONTPOL BOARD  LF-GAS SISTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANUT AIR DUCT LIGHTS  SMANUT AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS CNTL SWS.  RECEPTS, SUPPLY (RETURN DUCTS  DATE MADUE	CONTROL - FAM ES-6 BULKHEAD  MR 147.  CONTROL - FAM ES-7 BULKHEAD  IND 167.  LPG SYSTEM FEEDER  PG TA-C LEVEL HADICATION BLENDER AVARM  AIR OUCT LTG FOR  AIR OUCT LTG CONTROL  POWER OUTLETS  PRINT RECORD  1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 2 1 2 2 1 2 2 2 1 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2 1 2
2006 2006 2006 2006 2006 2006 2006 2006		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  AC POWER DIST PANEL *PIES  TEMPERATURE CONTROLLER *2  LTG   HTG. CONTROLLER *1.C. *3  TEMPERATURE CONTROLLER *1.C. *3  AC POWER DIST PANEL *PIES  LTG, & HTG. CONTROLTOR OWIEL  **  LTG, & HTG. CONTROLTOR OWIEL  **  **  **  **  **  **  **  **  **	FAN CONTROL BOARD  SAN CONTROL BOARD  2.14 MCC M. 18. UNIT'S  FAN CONTROL BOARD  2.14 MCC M. 18. UNIT'S  FAN CONTROL BOARD  ARHEAT BURNER FLANS CONTROL FALS  SOUTH TUNNS L. WALL AC PULLBOA GROUP  LTG. 8 HTG. CONTACTOR PAUSE LTG. 8 HTG. CONTROL CAB.  INGRIH TUNNEL WALL AC PULLBOA GROUP  ITG ( HTG. RELAY & CONTROL CAB.  THERMOCOUPLE ON WATER MAIN  LTG. 6 HTG. CONTROL TOR PAUSE  NORTH WALL DRAWAGE MANDLE  SOUTH WALL DRAWAGE MANDLE  LTG. 8 HTG. CONTACTOR PAUSE  LTG. 8 HTG. CONTACTOR PAUSE  LTG. 6 HTG. KELAY 6 CONTROL CAB.	SUPPLY FAN NO.T, CONTROL  ,NO LIGHTS  SUPPLY FAIT NO.T, FAN FAIL THE MARK ALARM - MOTOR WAS TEMPERATURE  FEEDER  120Y FEEDER  TEAPPIC COTTROL  WATER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL ( T.C. *3) POWER TEMP SENSING  SEEPAGE DEATH HTG, FEEDER  SEEPAGE DEATH HTG, FEEDER  TOURCE EAST MISTING FORE LIGHTS, MINE TOPE  TOURCE EAST MISTING FORE LIGHTS, MINE TOPE  \$ 51,52,53,34	CSSA  CSSA  PGS  CSSA  PGS  A66  PG7  PG7A  PG7B  PG8  PG8  PG8  PG8  PG8  PG8  PG8  PG	0 170 318 CA COA DE	# 1/6"12  # 1/6"12  # 1/6"8 6 1/6"8 6  1 5/6"82 (2000)  2 1/6"#12  4 1/6"6	PARTY DESTRUCTION PAREL  LTG PHL "LEZB" OR "LEZC"  RELAY BOX  AC POWER DISTRIBUTION PANEL  ATTERIOR FEEDERS. (S)	AN CONTPOL BOARD  LET GAS SYSTEM FOWER PAWER  GAS METER FOOM EVEL METER  AS METER FOOM ALARM PAWEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SWIFFLY AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS CNTL SWS.  EXHAUST AIR DUCT LIGHTS CNTL SWS.  RECEPTS SUPPLY (RETURN DUCTS  DATE MANTED  FOR	CONTROL - FAM ES-6 BULKHEAD MR 147.  CONTROL - FAM ES-7 BULKHEAD IND 167.  LPG SYSTEM FEEDER -PG TALL LEVEL HIDICATION BLENDER ALARM  AIR DUCT LTG FOR  AIR DUCT LTG CONTROL  POWER OUTLETS  PRINT RECORD  PRINT RECORD  1 1455 FM 15 10 10 15 15 15 16 16 15 15 16 16 15 15 16 16 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16
00 00 00 00 00 00 00 00 00 00 00 00 00		2	LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  LOCAL CONTROL BOARD  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES  TEMPERATURE CONTROLLER * 2  LIG   HTG. CONTROLLER * 1.C. *3  TEMPERATURE CONTROLLER * 1.C. *3  AC POWER DIST PANEL * PIES  LTG. \$ HTG. CONTACTOR PANEL  AC POWER DIST PANEL * PIES  AC POWER DIST PANEL * PIES	FAN CONTROL BOARD  FAN CONTROL BOARD  2.4NY MCC M. 18. UNIT'S  FAN CONTROL BOARD  A.P. HEAT BURNER FLANS CONTROL BASS  SPSED SMITCH  SOUTH TUNNSL WALL AC PULLBOX SROWP  LTG. 8 HTG. CONTACTOR PAYSL  LTG. FATG. RELAY 8 CONTROL CAS  HIGHTONNEL WALL AC PULLBOX GROUP  IG (HTG. RELAY 1 CONTROL CAS  THERMOCOUPLE ON WATER MAIN  LTG. 8 HTG. CONTROL FOR PAYSL  MORTH VINLL DRAWLES MAY WALL  SOUTH VINLL DRAWLES MAY WALL  SOUTH VINLL DRAWLES MAY WALL  SOUTH VINLL DRAWLES MAY WALL  LTG. 8 HTG. CONTROLOR PAYSEL	SUPPLY FAN NO.T, CONTROL  ,NO LIGHTS  SUPPLY FAIT NO.T, FAN FAIL THE MARK ALARM - MOTOR WAS TEMPERATURE  FEEDER  120Y FEEDER  TEAPPIC COTTROL  WATER MAIN PIPE HTG FEEDER CONTROL  WATER MAIN PIPE HTG FEEDER CONTROL ( T.C. *3) POWER TEMP SENSING  SEEPAGE DEATH HTG, FEEDER  SEEPAGE DEATH HTG, FEEDER  TOURCE EAST MISTING FORE LIGHTS, MINE TOPE  TOURCE EAST MISTING FORE LIGHTS, MINE TOPE  \$ 51,52,53,34	CSSA  CSSA  PGS  CSSA  PGS  A66  PG7  PG7A  PG7B  PG8  PG8  PG8  PG8  PG8  PG8  PG8  PG	0 170 318 CA COA DE	# 1/6"12  # 1/6"12  # 1/6"8 6 1/6"8 6  1 5/6"82 (2000)  2 1/6"#12  4 1/6"6	PANCE DIT THE SECRETORS  PANCE DIT THE SECRETORS  PANCE DIT THE SECRETORS  PANCE DIT THE SECRETORS  LITE PHE "LEZB" OR "LEZC"  RELAY BOX  AC POWER DISTRIBUTION PANEL	EM CONTPOL BOARD  LF-GAS SISTEM FOWER PAWEL  GAS METER ROOM EVEL METER  AS METER ROOM ALARM PALEL  RELAY BOX  SUPPLY AIR DUCT LIGHTS  SMANUT AIR DUCT LIGHTS  SMANUT AIR DUCT LIGHTS  EXHAUST AIR DUCT LIGHTS CNTL SWS.  RECEPTS, SUPPLY (RETURN DUCTS  DATE MADUE	CONTROL - FAM ES-6 BULKHEAD  MR 147.  CONTROL - FAM ES-7 BULKHEAD  IND 167.  LPG SYSTEM FEEDER  PG TA-C LEVEL HADICATION BLENDER AVARM  AIR OUCT LTG FOR  AIR OUCT LTG CONTROL  POWER OUTLETS  PRINT RECORD  1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 2 1 2 2 1 2 2 2 1 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2 1 2

FEDERAL ROAD | RESPON NO. TOTAL SHEETS DIVISION PROJ. NO. **73** COLORADO 170-3(83)220 142 ADDES HIGH GAS SYSTEM CIRCUITS PATH PATE, A47.  $(\overline{37})$ 

THE AGE ANOTE THE REVISED CAT PLT DAY 2/1/16 TO REVISED FOR FREST NO. 170-3183)220. ₹ 255 54 (E)

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NO REVISIONS		REVISED		CIOV	

Tostruments fed from Inverter ITO-3(83)220

Modification.

## NOTES:

(3)

- 1. FOR WIRE & CABLE, SEE DO.H. SPECIFICATIONS, SECTION . 720
- 2. INDICATES WIRE, CABLE & CONDUIT FURDISHED & INSTALLED-IN FROS. NO. 170-3(83)220.
- E 3-ALAZA CIECUTO HAVE COMMO CHEOTRA MEDEPORATED MAY STEPHER ANDA
- 82 FOR CKT ATTA DESIDENCE LEVELS
- (IDS, SPARE CONDUITS ARE NOT INDICATED ON THIS SCHADULE BUT SHALL BE INCLUDED

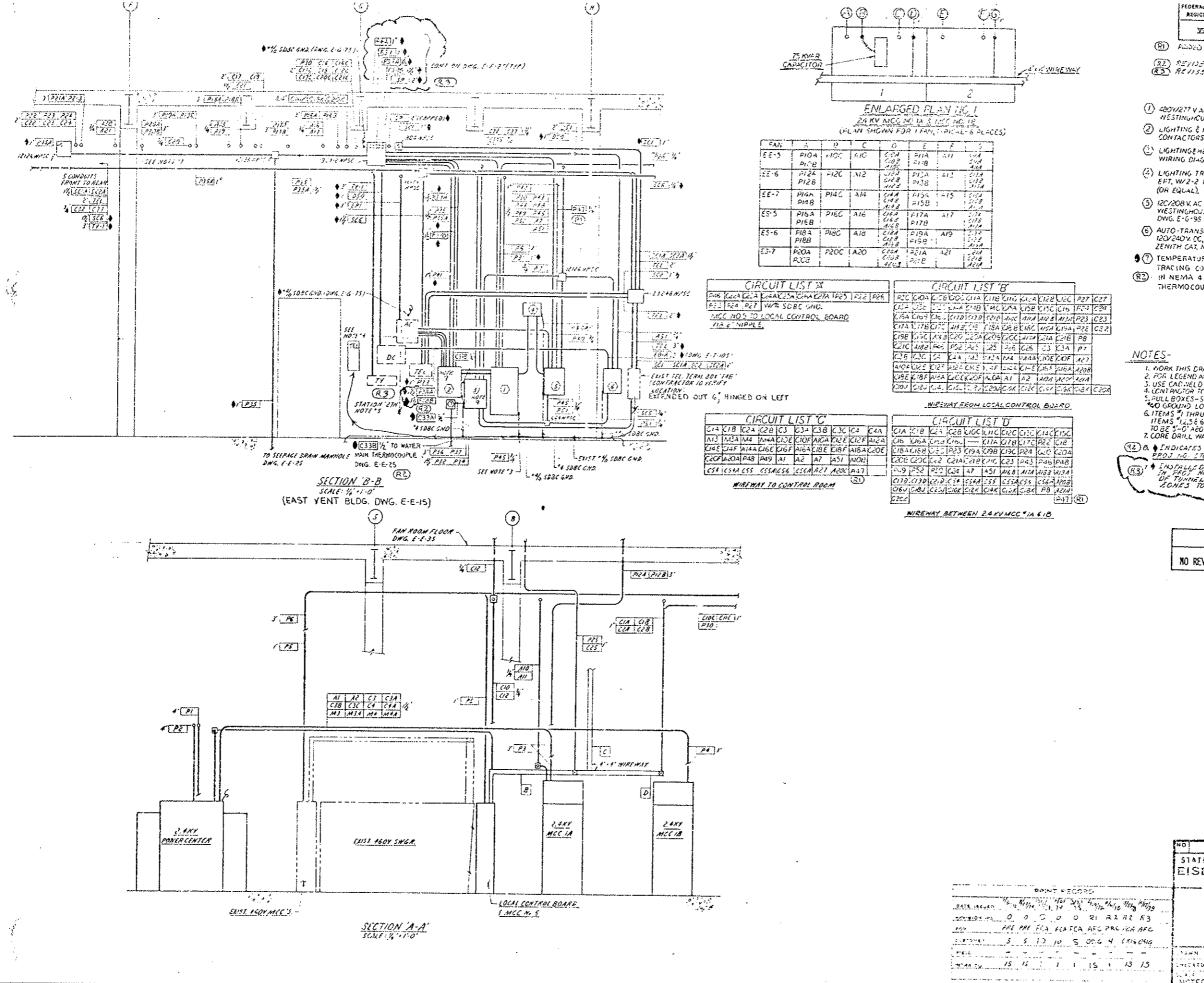
  EL PROJ. Nº 170-3(83)220 WHEN IDENTIFIED

  O: PLANS & SECTIONS PER NOTE 2.

ŀ	REVISIONS	DATE	MY CKD
	STATE OF COLORADO - DEPARTMEN EISENHOWER MEMORIA SECONO BORE		
-	ELECTRICAL :		
	EAST VENTILATION BUIL	OING	
-	CONDUIT É CABLE SCHEDI	JLΕ	

OFAMH GOU SUBJECT OF 27794 SADER NO. YONE 014570

Elegens-roger on away E-E-5S



D:VIS!ON SHEET PROJ. NO. YE | COLORADO | 170-3(83)220 143

(R) ADDED MARD SAS SYSTEM COCCUTS PATA MAT SPW 411/16

REPUSED FOR TROJ, NO. 170-5(85)220
BO REMISED TURNEL WIGHTING FINITS.

## LEGEND

(1) LECTION AL POWER DISTRIBUTION FAMEL (FIES), CIRCUIT BREAKER TYPE COP MESTINGHOUSE (OR EGIAL), SEE DIVID. E-G-95 YER SCHEOULE F3

2) LIGHTING E HEATING CONTACTOR PANEL, WIDEO A. 3P, 450V.
CONTACTORS BEON COILS, HEMA I ENCLOSURE, SEE WIRING DIAG. DIVID. E-T-75

(2) LIGHTINGEHESTING RELAY & CONTROL CABINET, NEMA 1 ENCLOSURE. SSS WIRING DIAGRAM ON DWG. E-T-1S.

(4) LIGHTING TRANSFORMER, 480-208/120 V, WALL-MOUNTED, NON-VENT TYPE EFT. W.Z-2 VZZ FCAN & FCEN TAPS, 15 KVA, WESTENGHOUSE COM NO WESTER (OF EQUAL)

(3) IZC/ZOBY, AC POWER DISTRIBUTION PANEL (PZES): 5 OA, MAIN CIRCUIT EREAKER WESTINGHOUSE CAT. MO. NGS 24-48-050, SURFACE MOUNTED (OR EQUAL), SEE DWG. E-G-95 FCR SCHEDULE.

(E) AUTO-TRANSFER SWITCH - DOUBLE THROW CONTACTOR, JOA. J POLE, 120/240 v. CC, WIZOV.AC COIL, WAUX. 1201 CONTACT, REMAIL ENCLOSURE, ZENITH CAT, NO. 601 334 (OR ECUAL), WIZING, DIAG. GWG. E-G-45.

TEMPERATURE CONTROLLER (TC."3) ELECTRONIC FOR WATER MAIN HEAT TRACING CONTROL, THERMON MEG CO. CAT. NO. 4-ET-0600. (SINGLE UNIT IN NEMA 4 ENCLOSURE, FOR CHROMEL-CONSTANTAN TYPE "E"

THERMOCOUPLE WITH MAX RESISTANCE ON 200 OHMS (OR EQUAL).

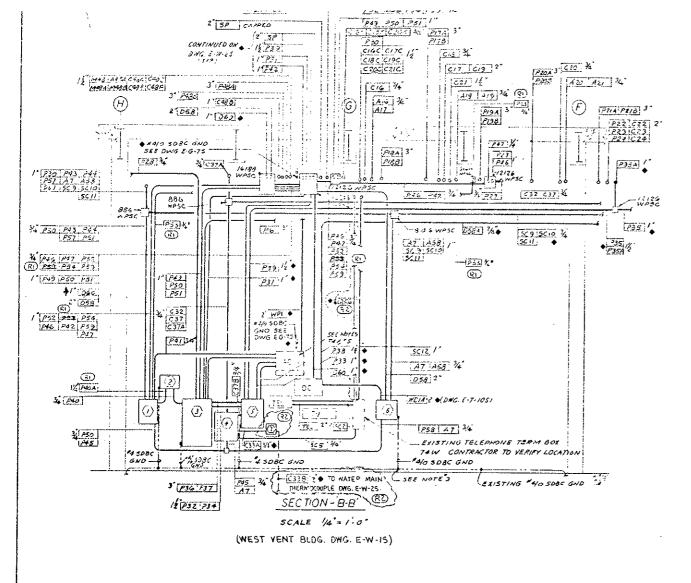
1. PORK THIS CREATING WITH DWGS, E-E-IS & E-E-ZS.
2. FOR LEGEND MID GENERAL NOTES, SECONG, E-E-IS.
3. USE CACINELD TYPE GENERAL NOTES, SECONG, E-E-IS.
3. USE CACINELD TYPE GENOUNG CONNECTIONS FOR GND TAPS,
4. LONI BUGGET TO PROVIDE HY BARRIER IN AC PULLEDX.
5. PULL BUKES-STATION 27N ARE EXISTING & HAVE EXIST, GROUND TIED INTO EXIST,
40. GROUND LOOP.
6. ITEMS \$1. THRU'S TO BE MOUNTED ON UTISSIAUT \$10000 CIRMAEL (OR EQUAL).
ITEMS \$1. SHOULD HAVE TOP OF BOXES & 6.0° ABOVE FLOOR, TOP OF TIEM \$1.000 CIRMAEL (OR EQUAL).
TOBE \$5-6" ABOVE FLOOR, TOP OF TIEM \$100 E IT-6" ABOVE FLOOR,
T. CORE DRILL WALL FOR CONDUITS & EXAL VOIDS WIDINSEAL (OR EQUAL).

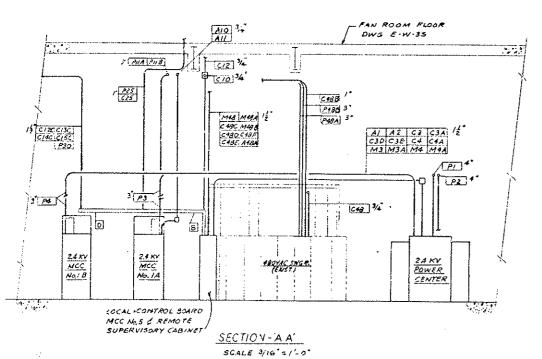
(32) 8. \$ INDICATES HIRE CABLE & CONDUIT FURNISHED I INSTRUCED IN PROJECT OF SERVICE AND STAFF HORE IN STAFF TO SECOND IT OF SERVICE AND STAFF HORE TO SECOND FOR CHARGE IN CONUSER TO PROFITE OF THE SERVICE

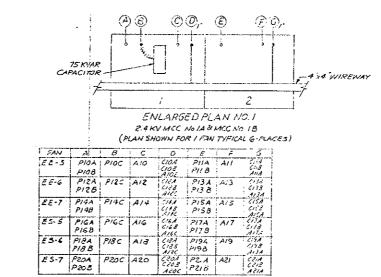
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	REVISIONS	SAIE ST CES
	STATE OF COLORADO - CEPRRYMENT OF EISENHOWER MEMORIAL T SECOND BORE	HIGHWAYS
9	ELECTRICAL WEST & EAST VENTILATION BUILDING CONDUIT SECTIONS & DETAILS SHEET NO. )	5
	NOTEO C14570	E-WE-5S







CIRCUIT LIST A'							
P22.P?3							
C27A C23A	C24A	૮૮ડ4	Z/4	C274			
1 '1 SD80	GND.						

FROM MCC = 5 TO LOCAL CONTROL BOARD VIA 2" NIPPLE

PST AT CIPA SCO CIGA PZS CIZ CZS CIBACITU C63 SCIT CHA CIDE ASE CIGE PZG CITA CZG CIBBCIDD (63) C10 C113 C19C 212 C124 P27 C118 C27 C18 C220 C6+ CIDALCIIC FA CIZA CZO SCIO CITC CIMA PT | COBICISA CZZ CIZACZO FAO CZIA CIAB PZZ CIOC C58 C23 C12C C208 C13A C218 C14C P23 PGI CISC C24 C16 C200 C138C210 C18 221 1214 COD COLD CIEN COS COS 120, CON CIEN CIAN CIEN CIEN CIEN FROM LOCAL CONTROL BOARD TO WIREWAY

CIRCUIT LIST'B

CIZECTOF ATTANCO CHACGE AIGA AIOC CG3 CG3A CG4 CG4A CAS CASA

FROM LOCAL CONTROL BOARD TO REMOTE SUPERVISORY CABINET HA 3" NIPPLE

# \*# SDEC GND.

CIRCUIT LIST 'D' SCIO CITA CZZ CITA CZZ PZZ CZIC SC// C/98 C/6 C/18 C204 C23 P24 CITO CITO CETO CES CETA CEA CEANCES CESA ALCC MITA HIBE AMA AROS ARIA CAN CIBNICRO CIOX CIZK CHK CIGK CHEK CZCK

WIRENAY BETWEEN 2.4 KV MCC'S \*/A \$ 18

DIVISION PROJ. NO. PEGION NO. ZII | COLDRACO | 170-3(83)220 | 1.4.4

(REVISED FOR SMOT, GENERATOR WATER MEATER MILES AND LUCE ON PUMP & MEATER POWER READ, AS SHOWN, TETTORY TREE (\$2) PEVISED FOR PROJ. NG. 170-3 (85) 220.

LEGEND

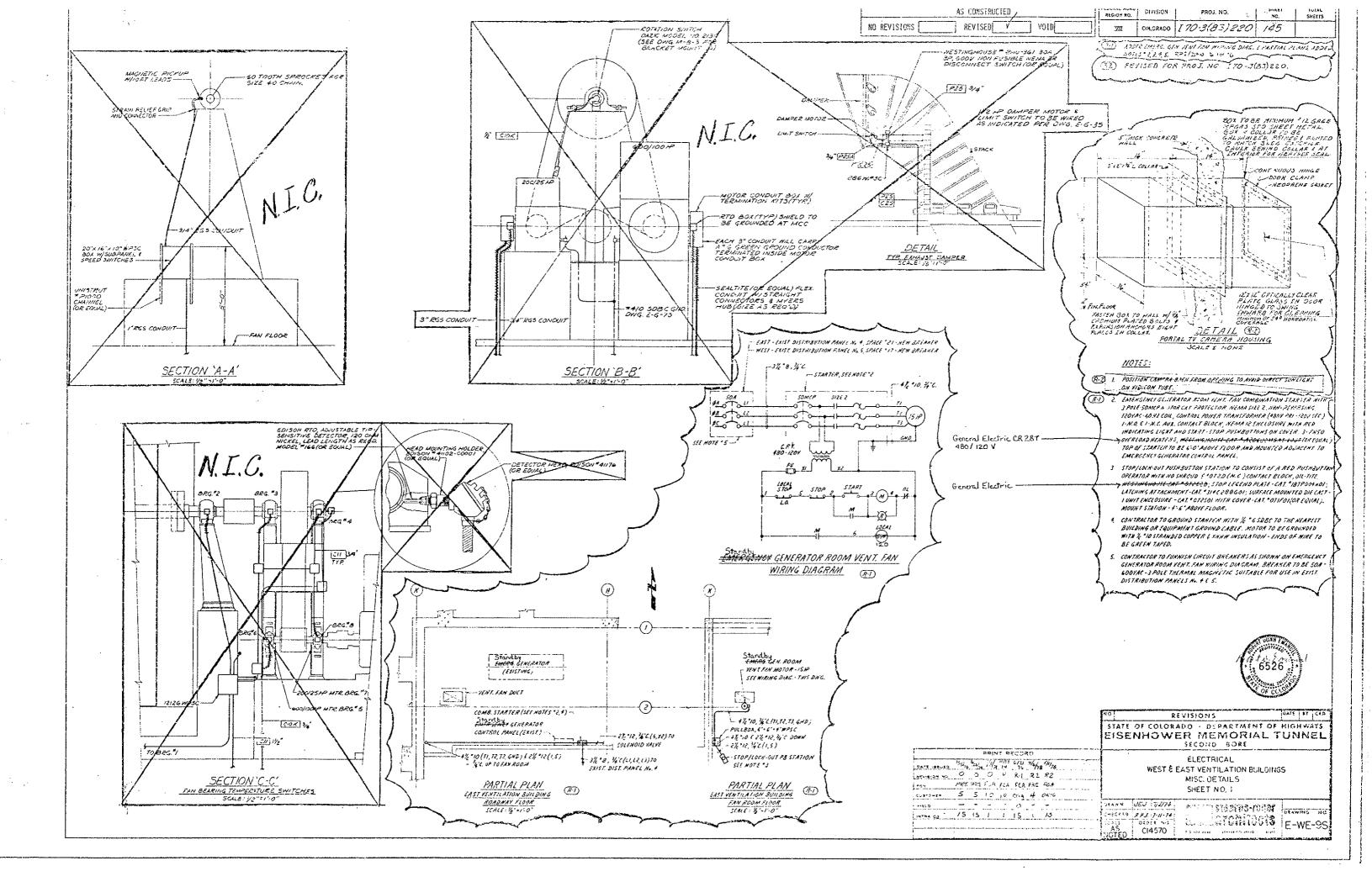
- (RI) (I) 120/208 V. AC. POWER DISTRIBUTION PANEL (P2WS) 100A MAIN CIRCUIT BREAKER WEST CAT "NOB 24-48-050, SURFACE MOUNTED (OR EQUAL) SEE DWG E-G-95 FOR SCHEDULE.
- (R) (2) LIGHTING TRANSFORMER, 480-208/120 V. WALL MOUNTED. NON- VENT TYPE EPT. W/2- 2 1/2 1/0 FCAN & FCBN TAPS, BOKVA WEST, CAT # 6E4397 (OR EQUAL)
  - (3) 480 Y 277V AC POWER DISTRIBUTION PANEL (PIUS) CIRCUIT BREAKER TYPE COP WEST (OR EQUAL) SEE CING E-G-35 FOR SCHEDULE.
  - LIGHTING & HEATING RELAY & CONTROL CABINET, NEMA! ENCLOSURE, SEE WIRING DIAGRAM ON DWG. ET.75.
  - 3 LIGHTING & HEATING CONTACTOR PANEL W/8-30 A, 3 POLE 480V AC CONTACTORS/170V COILS) NEMA / ENGLOSURE SEE WIRING DIAGRAM OWG ET-75
  - 6 AUTO-TRANSFER SWITCH DOUBLE THROW CONTACTOR 30 A, 3 POLE 120/240 V DC. W/120 V COIL, W/AUX SPOT CONTACT, NEMA I, ENCLOSURE, ZENITH CAT + 6 07334 (OR EQUAL) WIRING DIAGRAM - DWG. E-G-45.
  - ◆ (T) TEMPERATURE CONTROLLER (T.C. \*3), ELECTRONIC, FOR WATER MAIN HEAT TRACING CONTROL, THERMON MFG. CO. CAT NO. 4-ET-0600, (SINGLE UNIT IN NEMA 4 ENCLOSURE FOR CHRONIEL CONSTANTAN TIPE "E" THERANDCOUPLE WITH MAK RESISTANCE OF COODING OR EGOM. NOTES
  - WORK THIS DRAWING WITH DWG'S E-W-15 C E-W-25.
  - FOR LEGEND & GENERAL NOTES SEE DWG E-WIS.
  - USE CADWELD TYPE GROUND CONNECTIONS FOR GND TAPS.
  - CONTRACTOR TO PROVIDE MY, BARRIER IN AC. PULLBOX.
  - PULLBOXES & STATION IN ARE EXISTING & HAVE GROUNDS TIED INTO EXISTING # 4/0 GROUND LOOP.
- ITEMS # I THRUTG TO BE MOUNTED ON UNISTRUF # PIOCO CHANNEL (OR EQUAL) ITEMS \$ 1,3.5 & 6 TO HAVE TOP OF BOXES @ 6'0" ABOVE FLOOR TOP OF ITEM \$ 170 BE 5'0" ABOVE FLOOR TO BE 9'0" ABOVE FLOOR.
- 7. CORE DRILL WALL FOR CONDUITS & SEAL VOIDS W/ DUKSEAL
- (REDUAL).

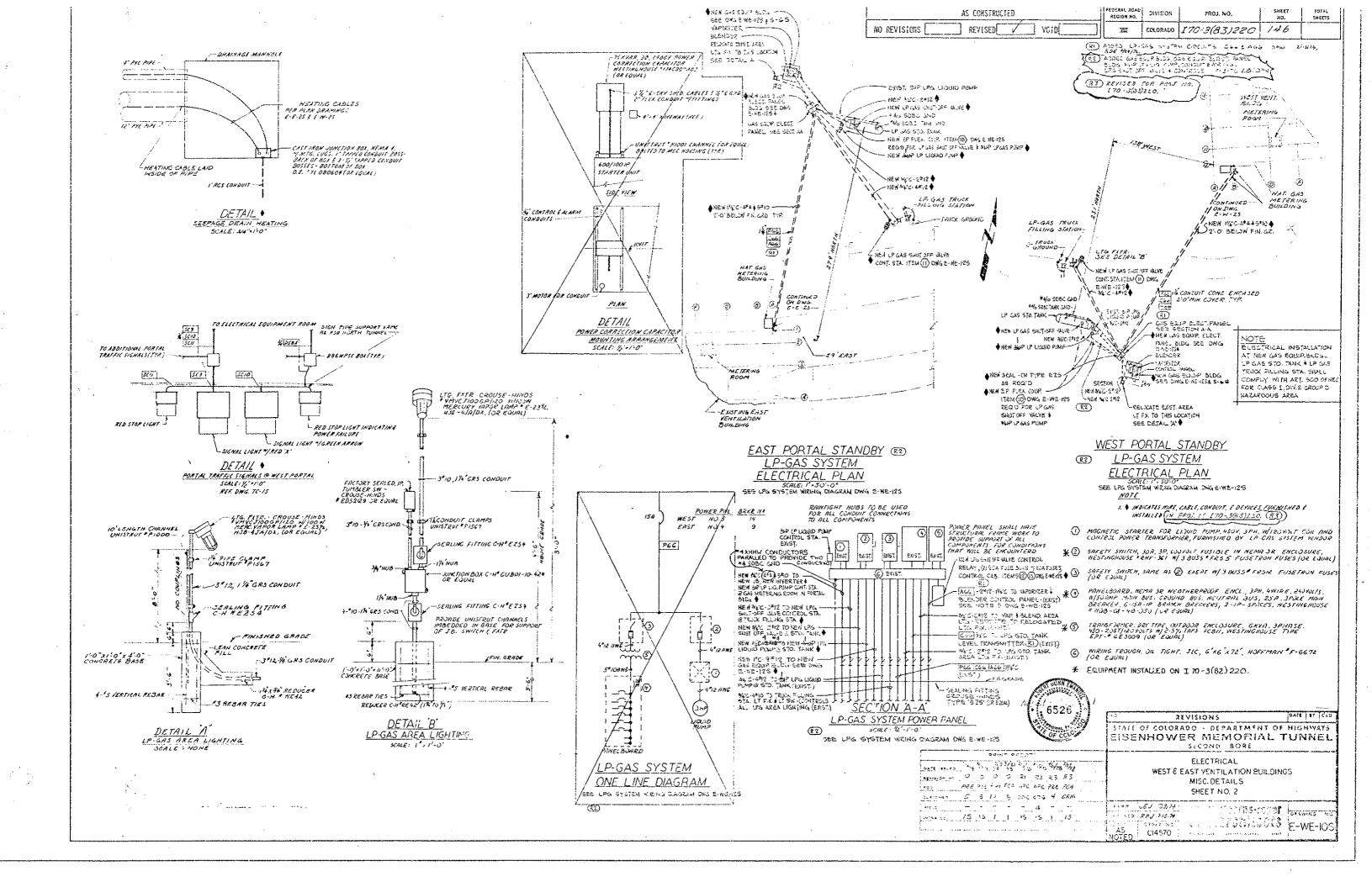
  (RE) B. & INDICATES WIRE CABLE + CONDUIT FURNISHED + INSTALLED IN
  PROJ NO. 170-3(83)220. PLL OTHER NORK IS FANTING.

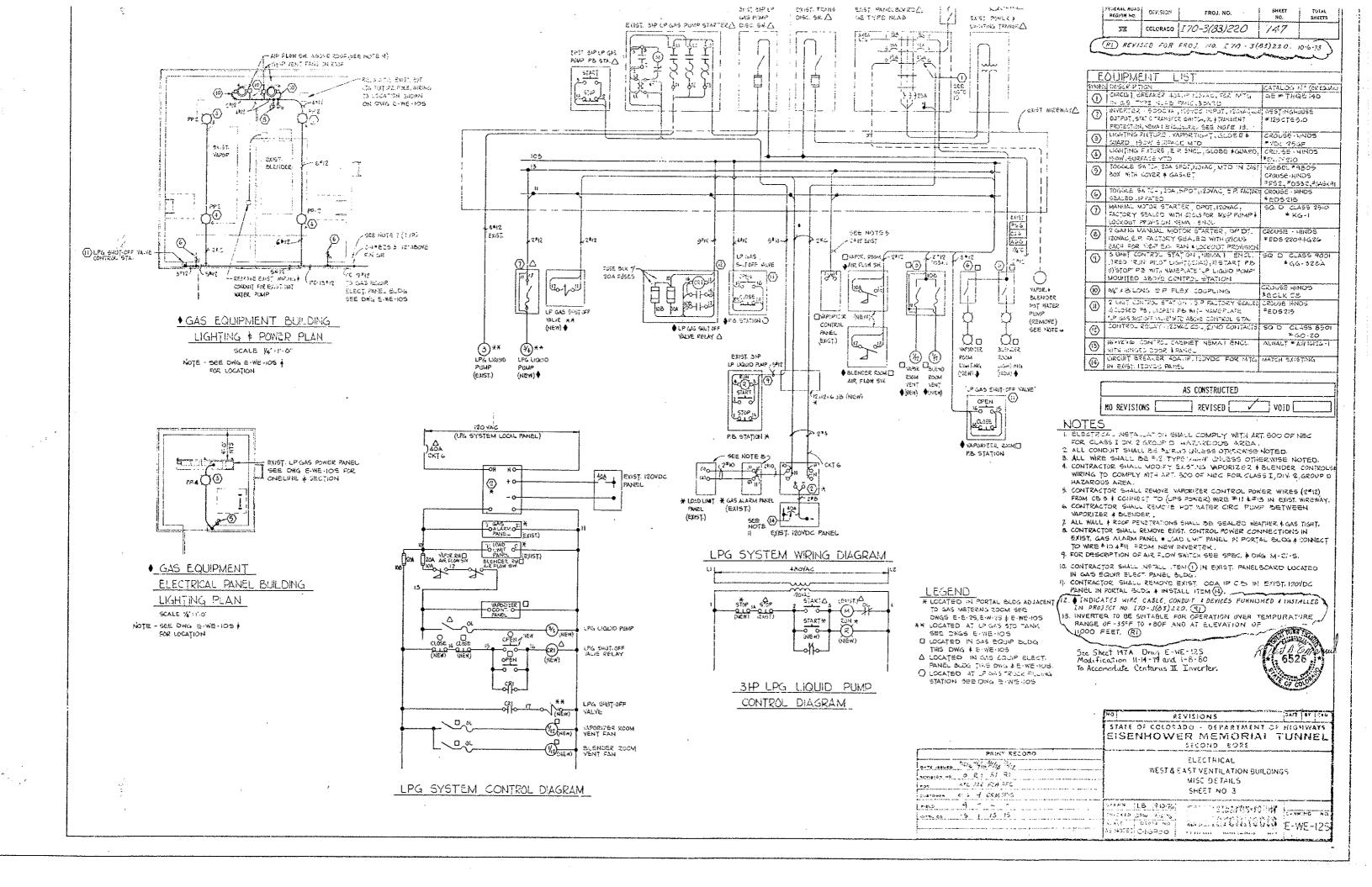
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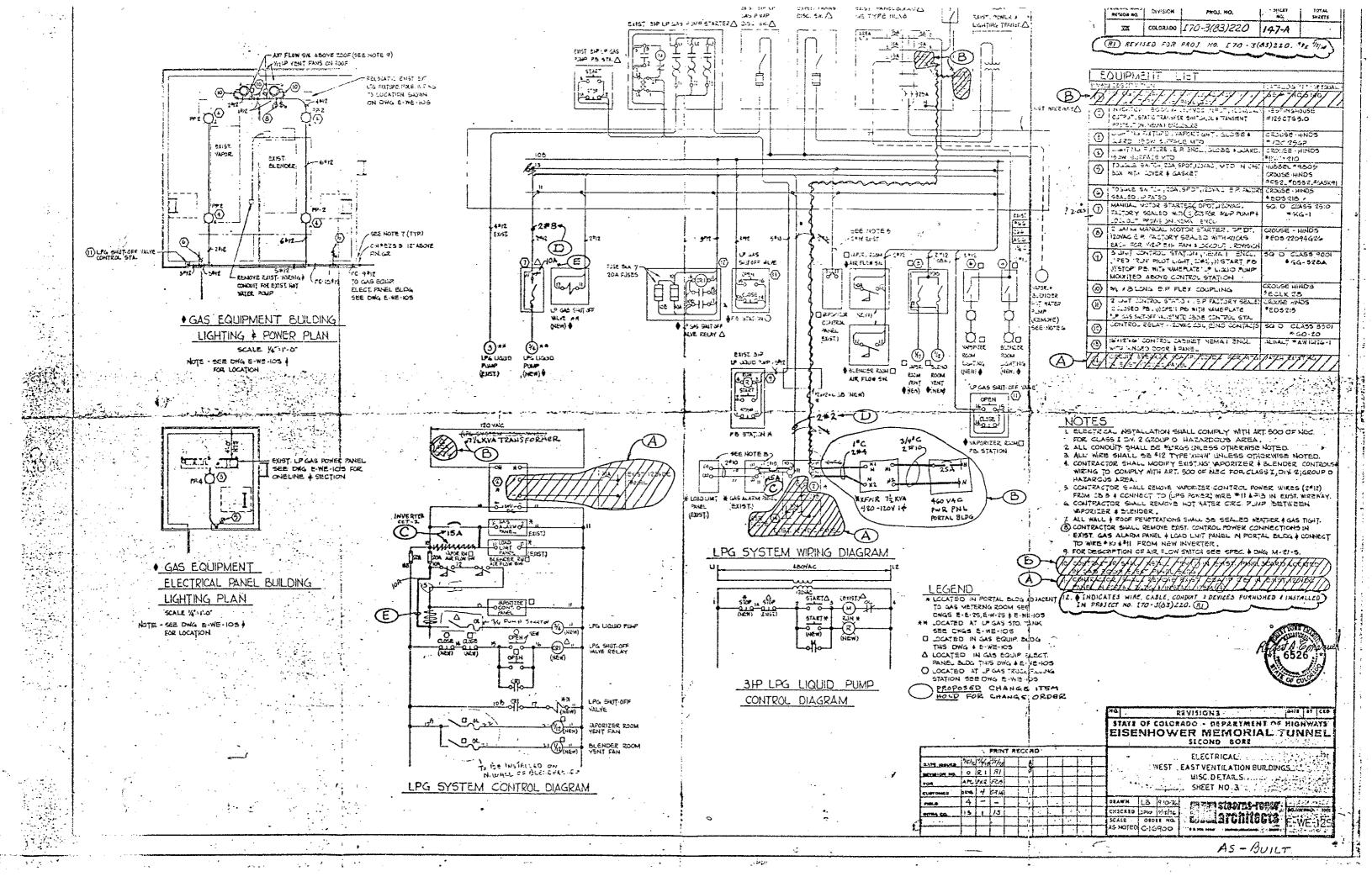


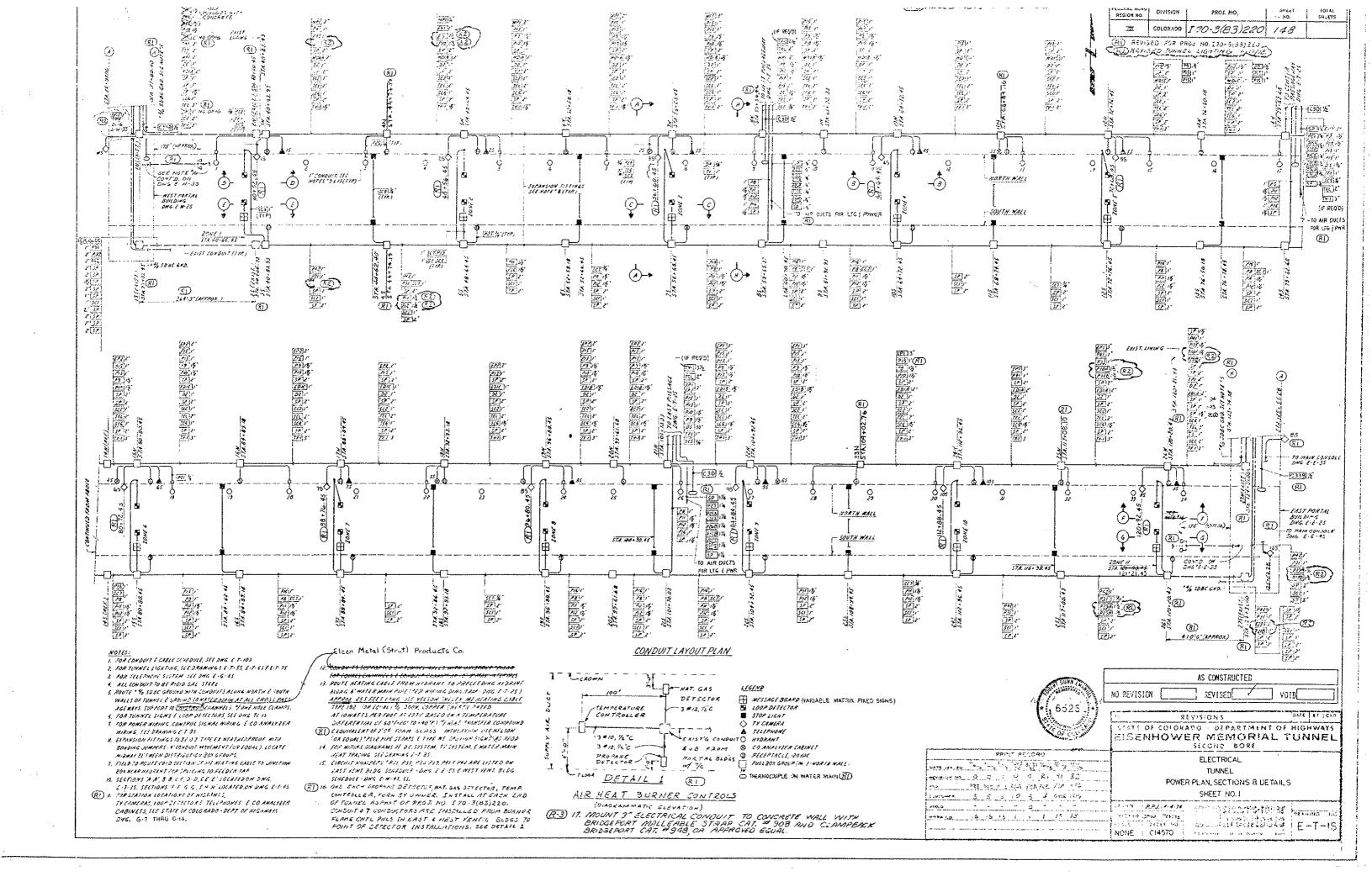
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	NO REVISIONS PARE AT CKB					
	STATE OF COLORADO - DEPARTMENT OF HIGHWAYS EISENHOWER MEMORIAL TUNNEL SECOND EDGE					
paint wecoso	ELECTRICAL					
BANE TOWER 3 4 Holpe of a H Tella 4/18 118	WEST & EAST VENTILATION BUILDINGS					
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PREASE THE TOP AFC PRE FOR	SHEET NO.2					
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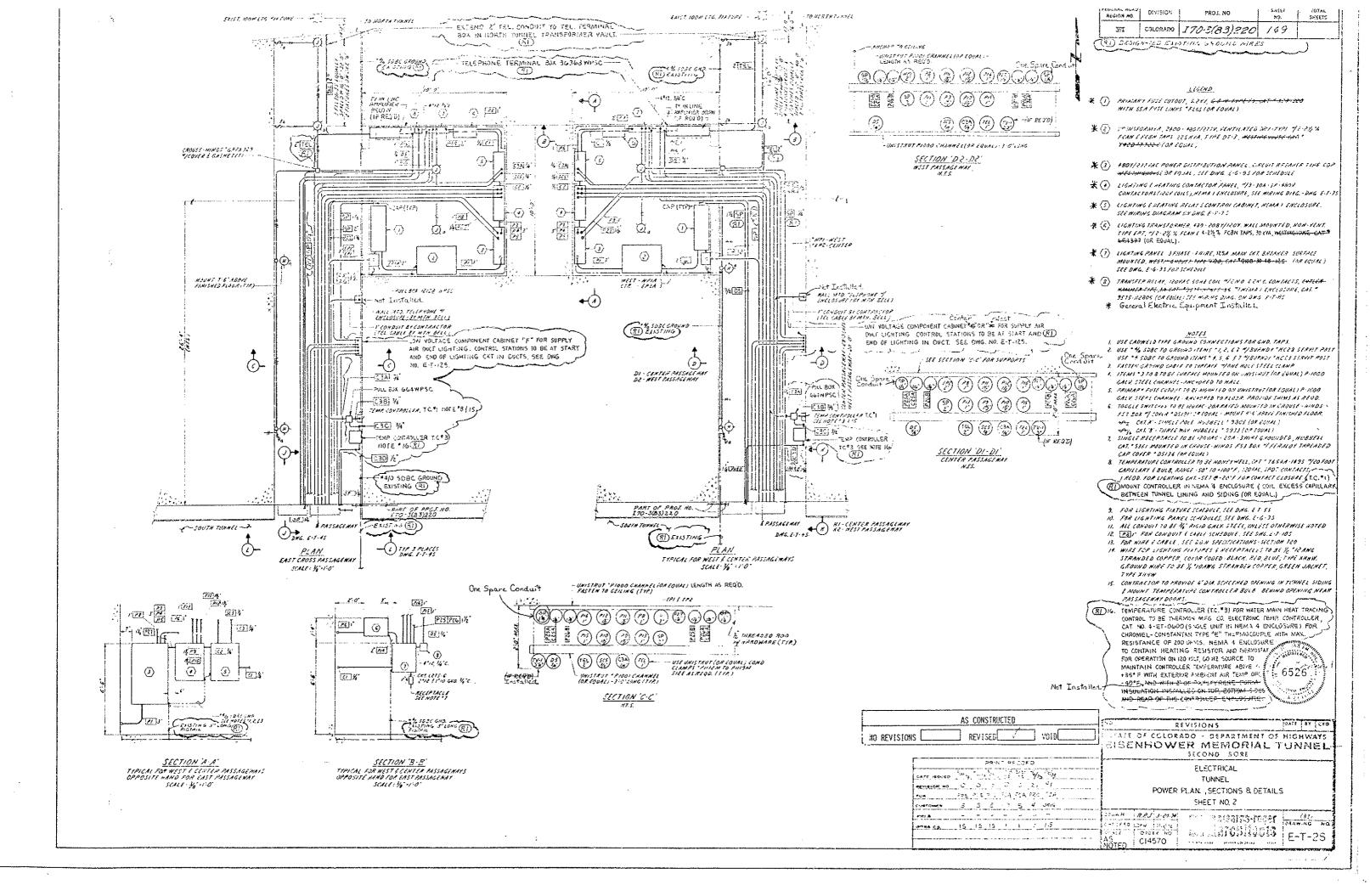


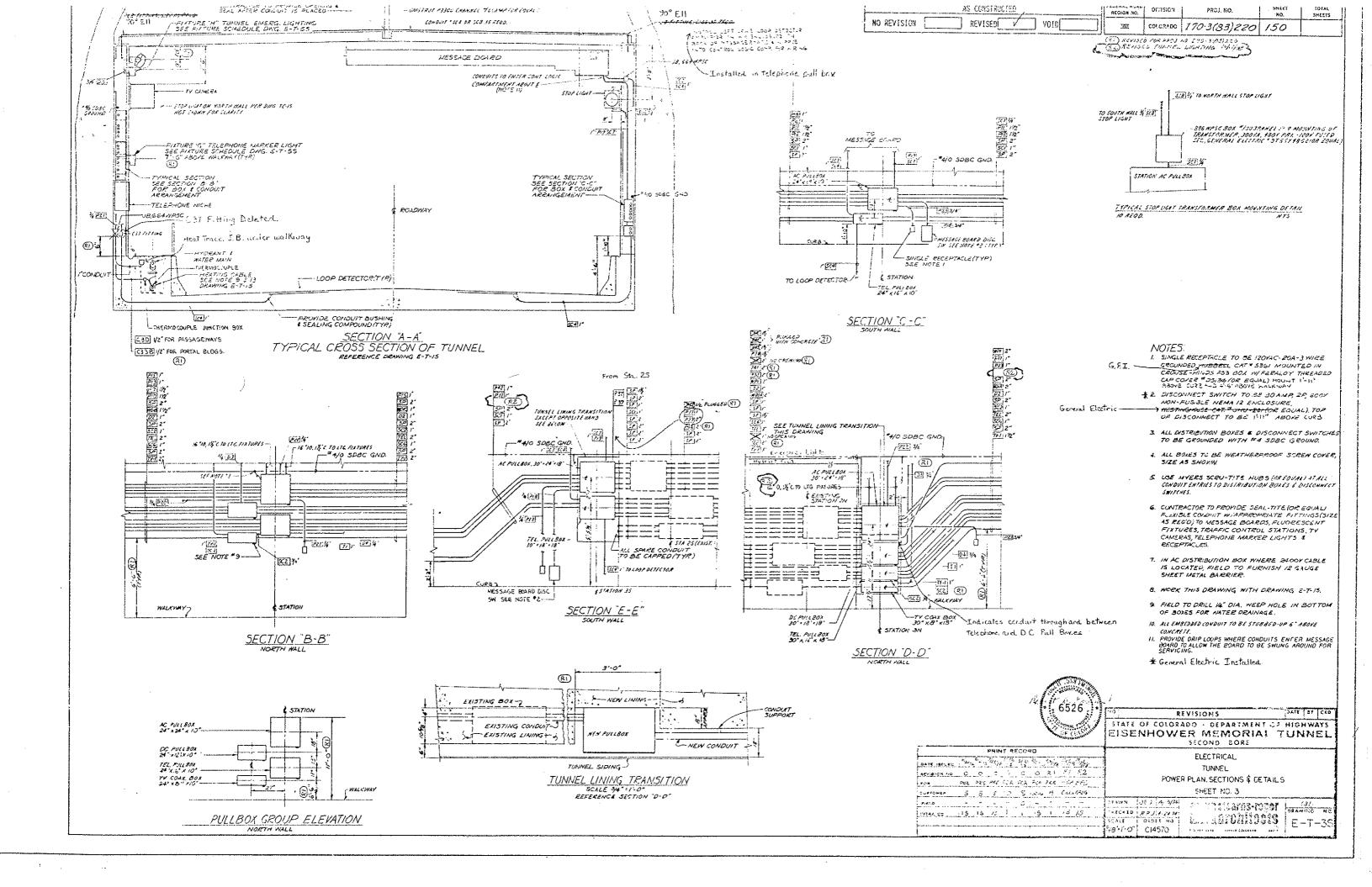


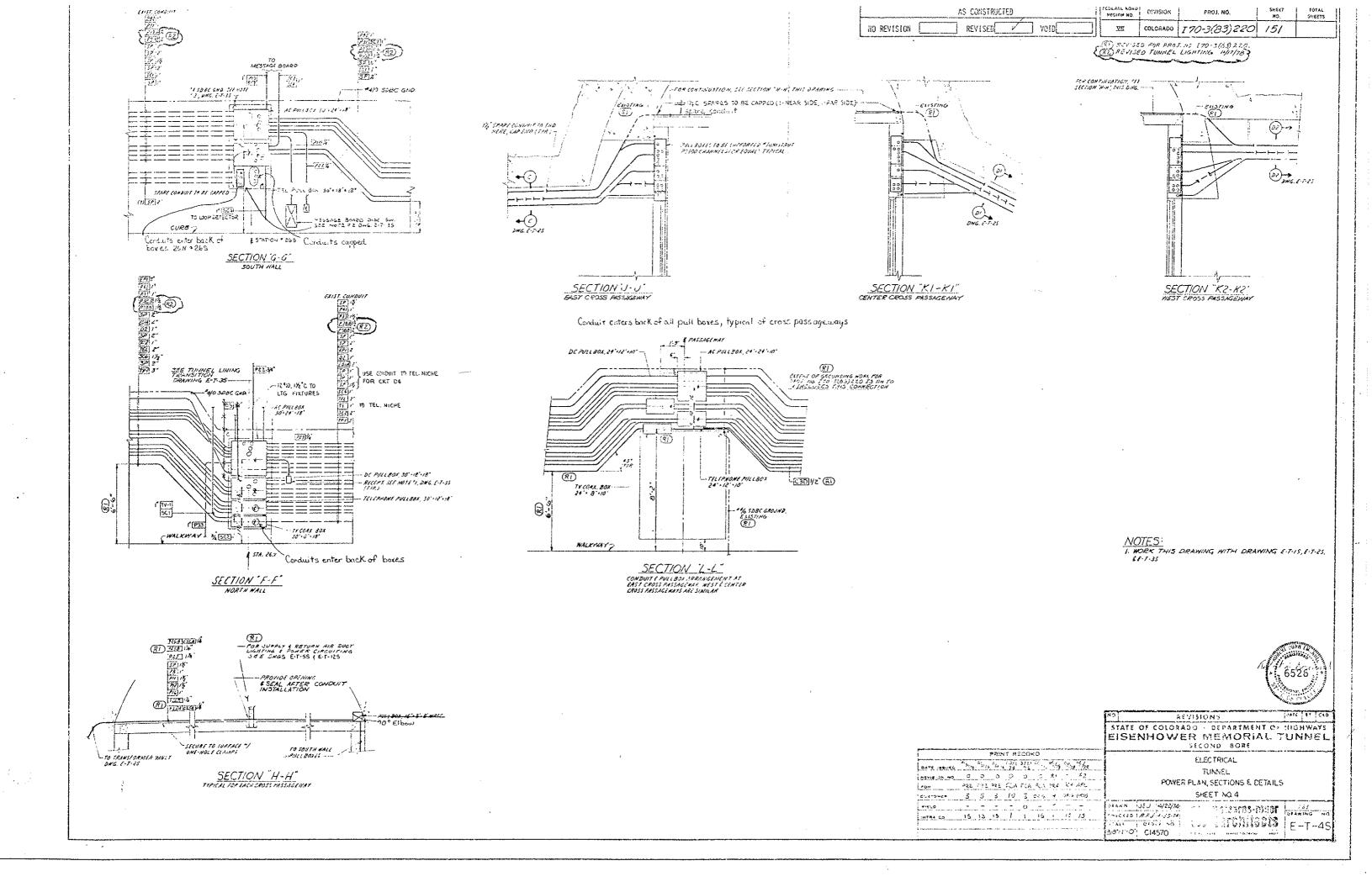


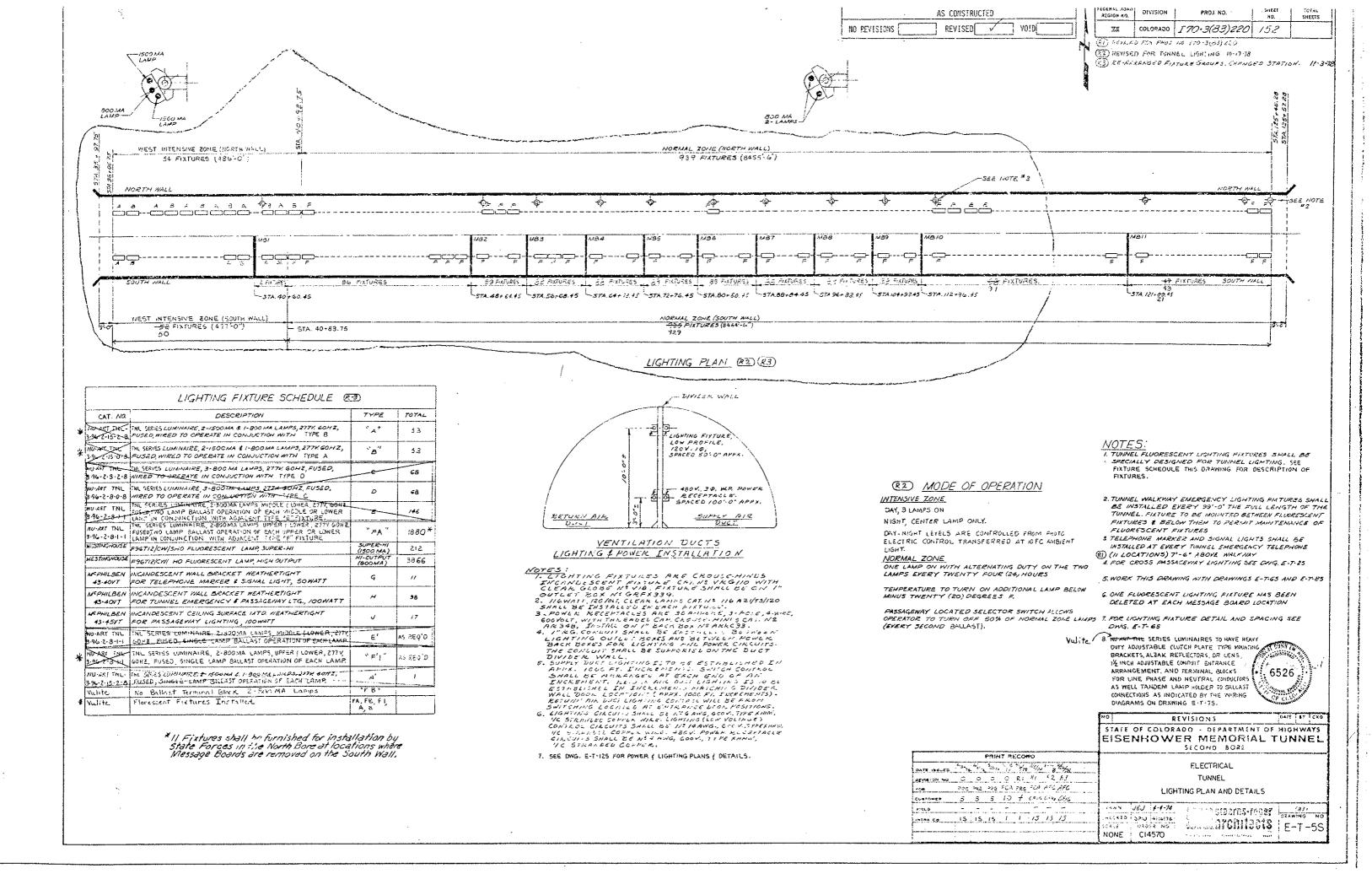


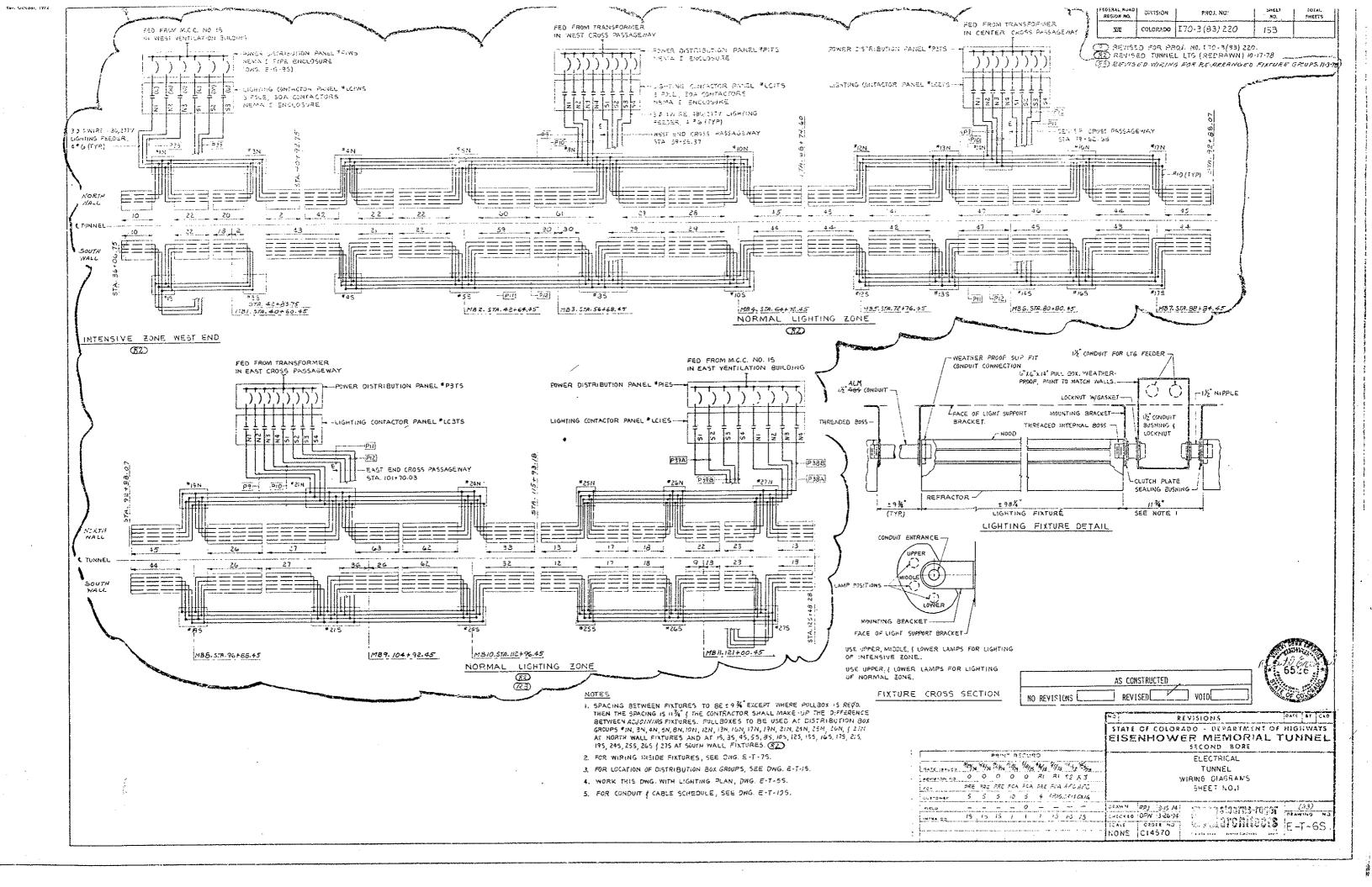


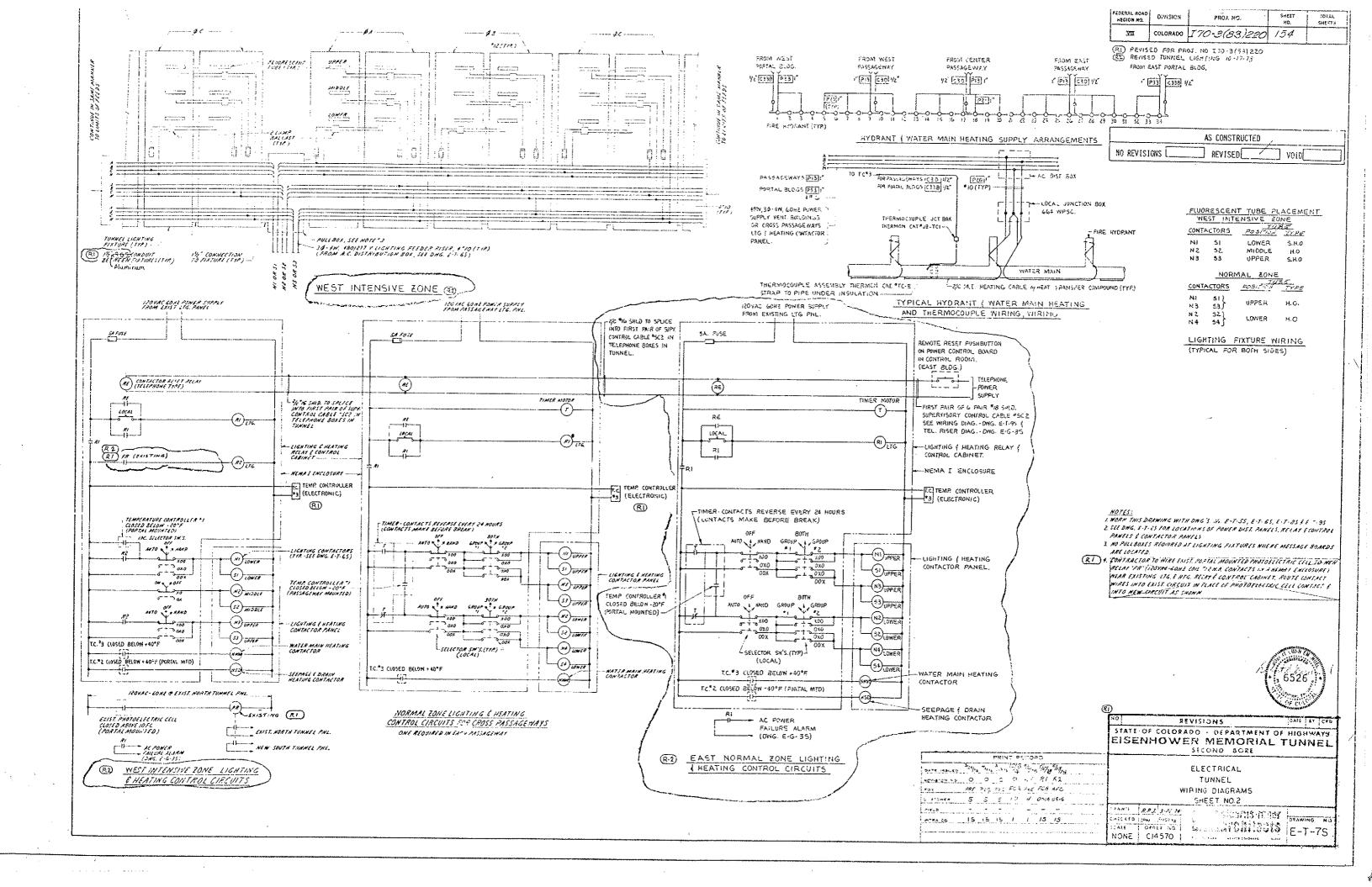


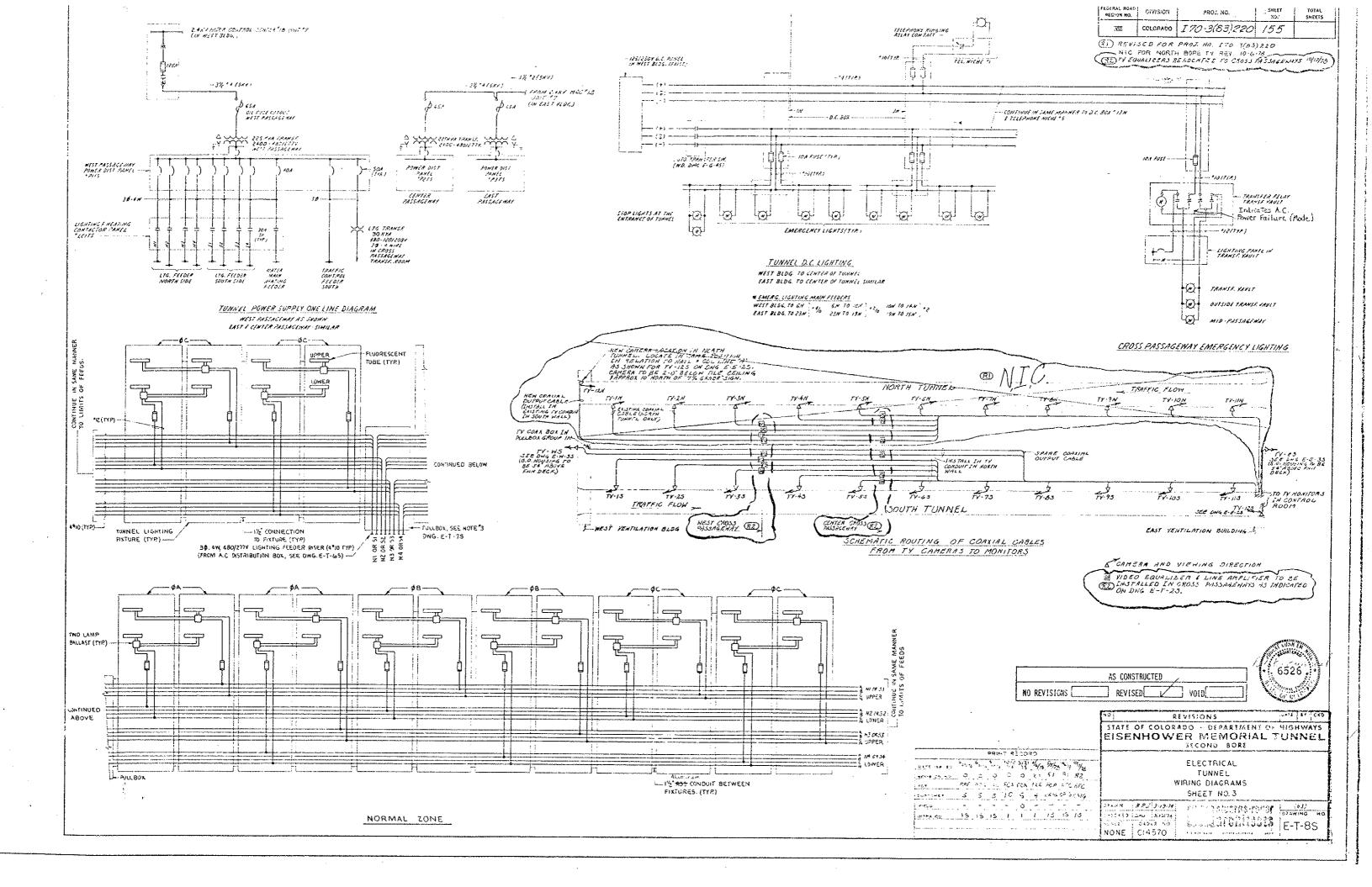


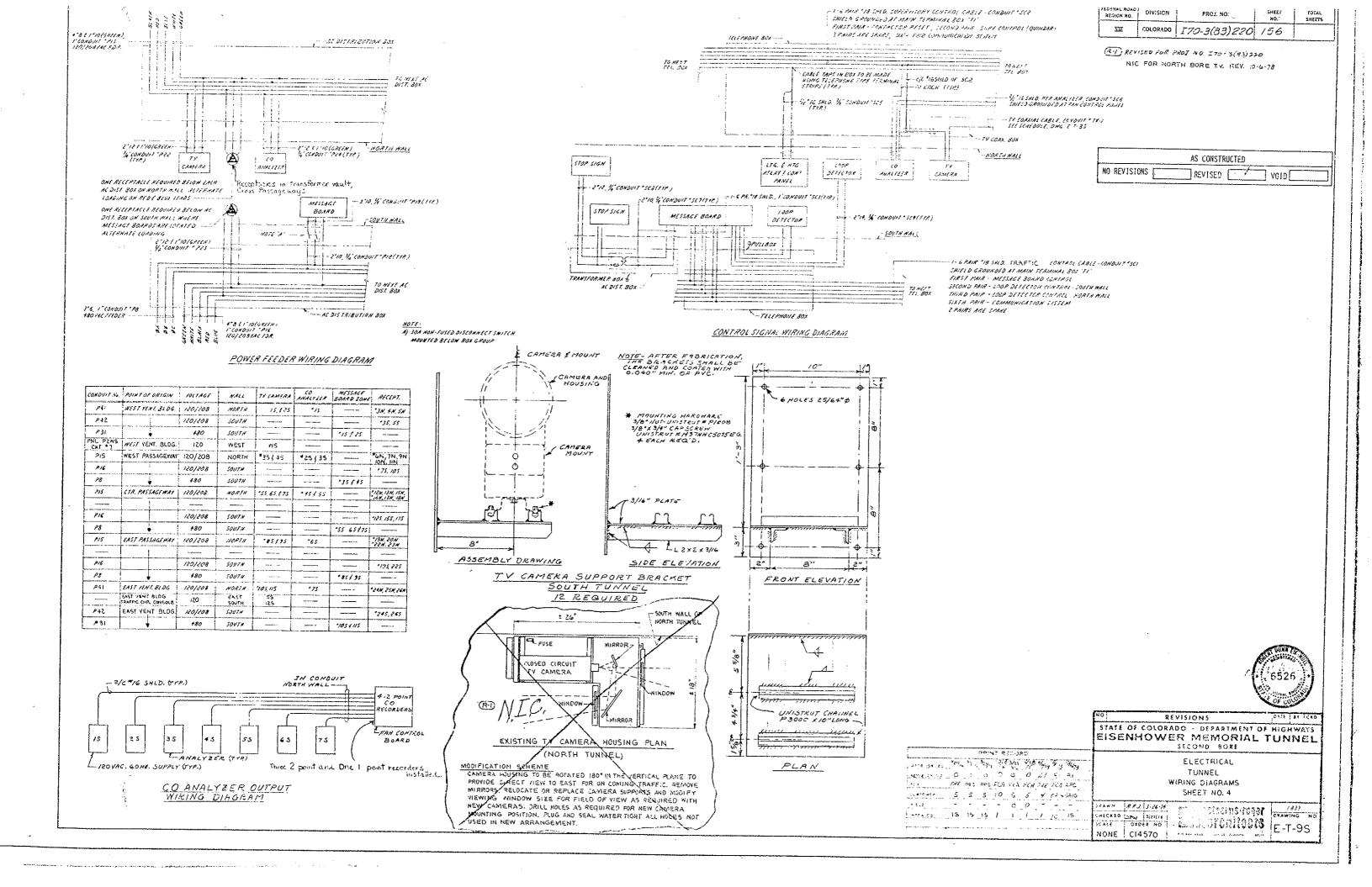




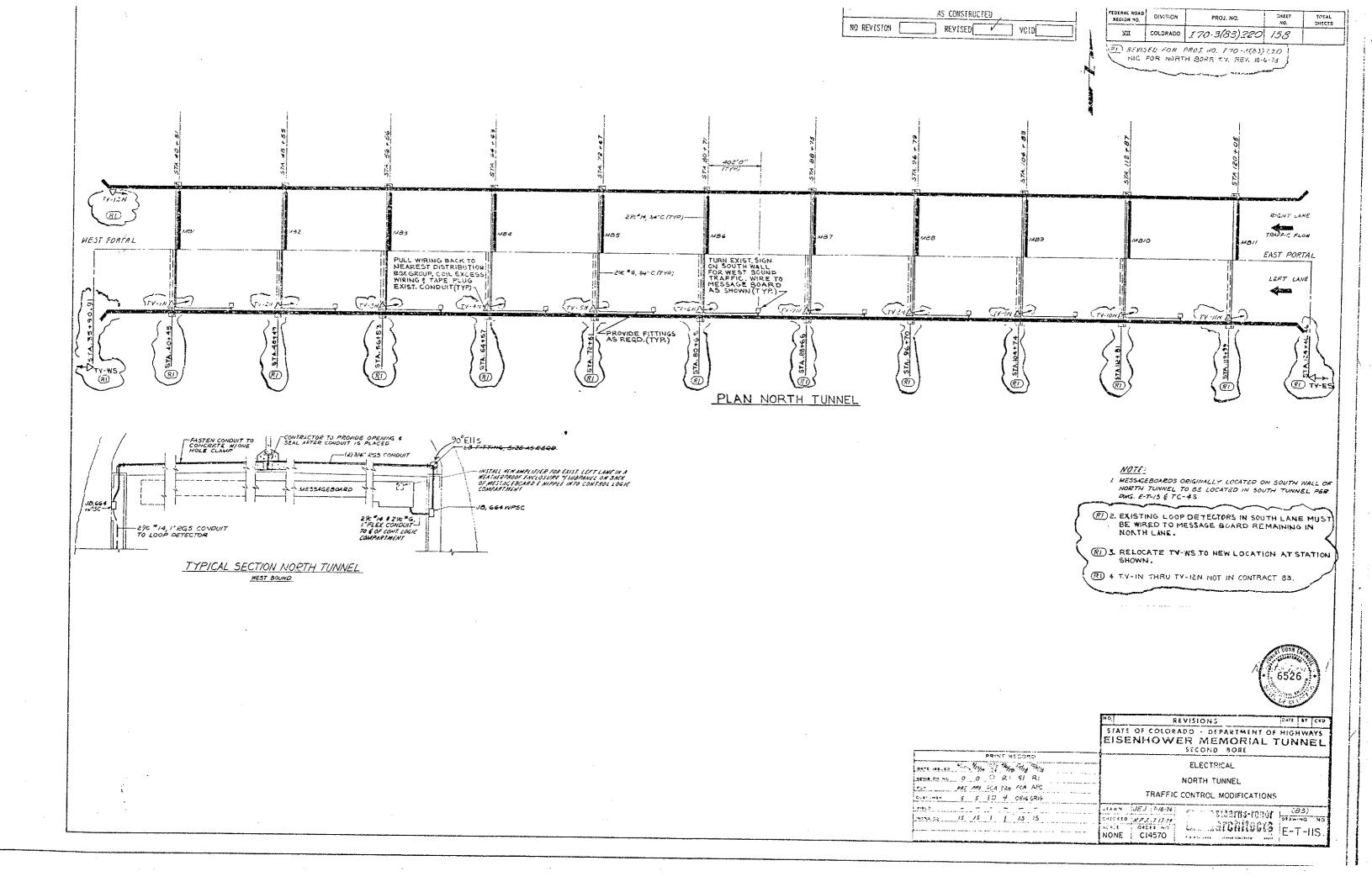


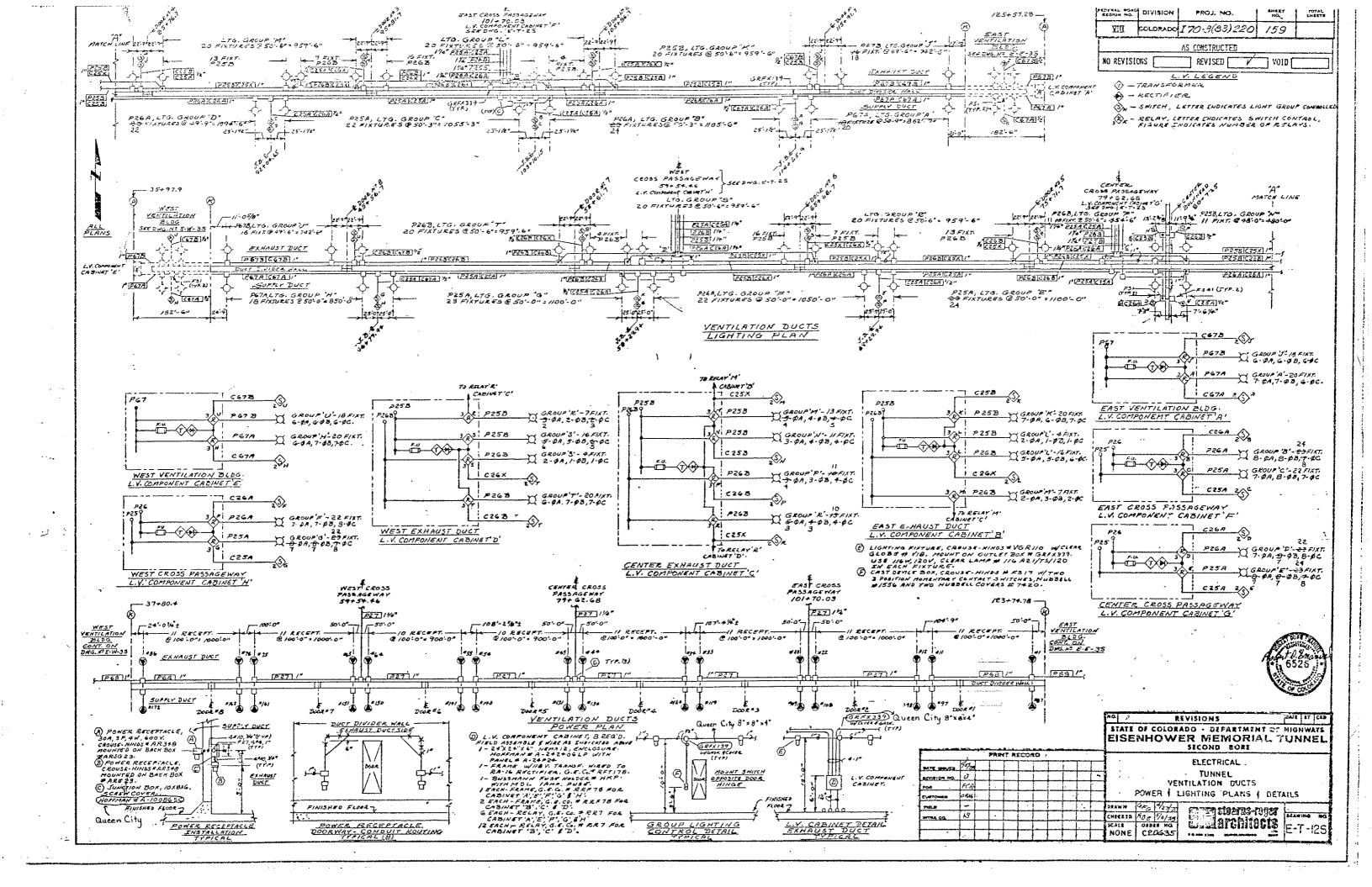


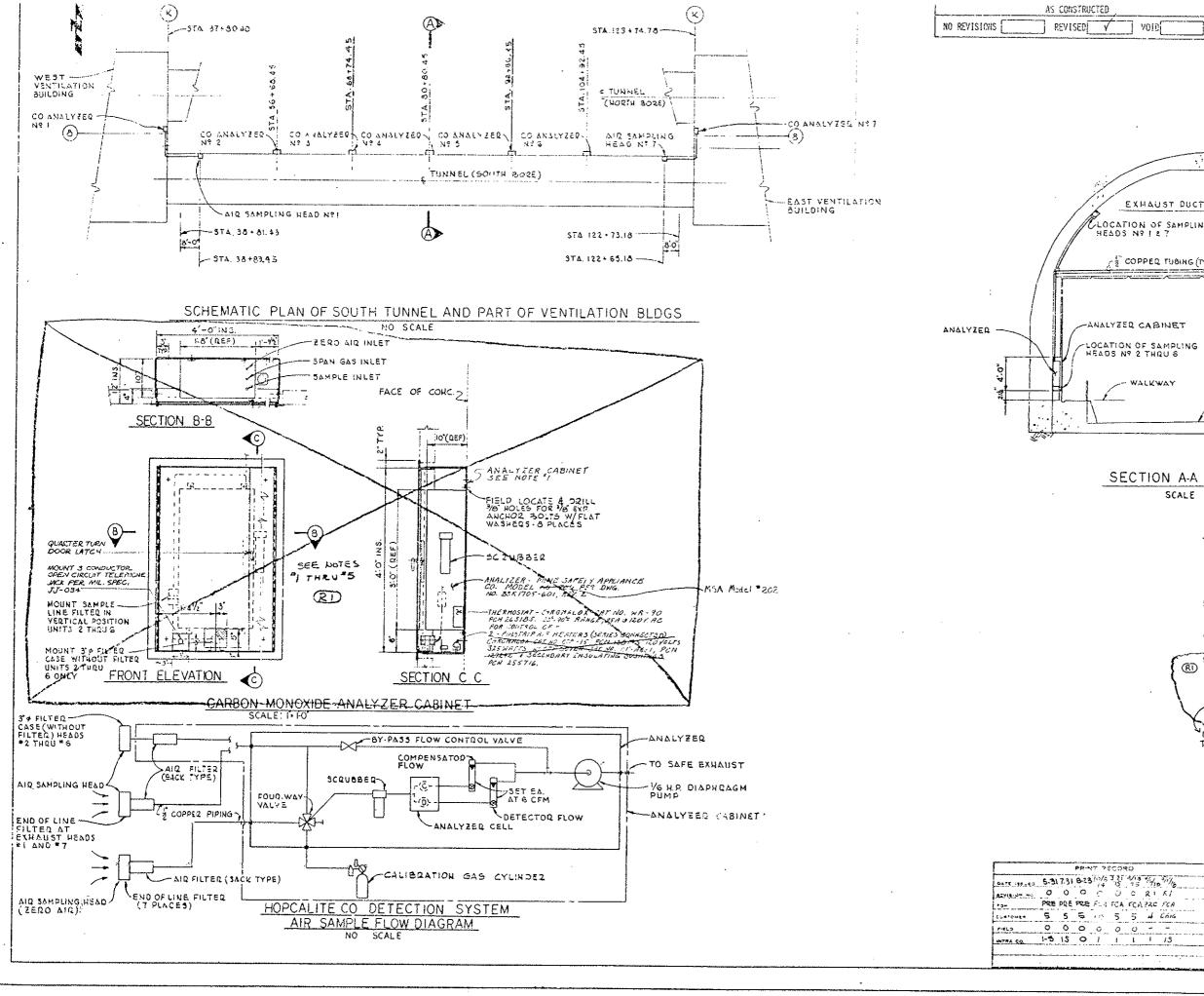




ROBIVIO PROJ. NO. WIRE OR CABLE WIRE OR CABLE COLORADO 170-3(83)220 157 FUNCTION FROM FUNCTION E SIZE & TYPE SIZE & TYPE NO. (1) PENSED FOR FOOD NO. 170-3(63) 220 mg #4/2 WALLY TO THE TOS STATE WORLD STATE OF THE STREET PROPERTY OF THE STATE OF THE STATE OF THE STREET PROPERTY. CABLE UT . IN SELE TELE DALLE TISTRIZUTION NON TELEPHONE SICHE andudicariants malet contract 2423 YUT SERBER LANCE OF THE PERSON OF THE PROPERTY OF THE PRO 1 5 1 1C + 4 15-VI TEL 2 13 - Conste St Min Case Falconous Sol " IN F.EPYCAE EGI 27N COMMUNICATIONS 3 1 16 # 1 340 EAST PASSAGRAM PALTUSE CUT A RESPECT TASSEGMAY PAR FUSE CUTOUT | 2700 YOUT | PEEDEA AS CONSTRUCTED TY-1 1/2 3 - 181 3001070(4) CENTER PASSACE ME 181 181 1811 (VILLEVILLE) - 1815 XVA TRONSSOAMER PRINTER TV CAMERAILIS TH MARTARIUS 3 10 + 1/5 41/ I SURVEILLANCE SISTEM (SEE NOTE 4) NO REVISIONS REVISED VOID SOME (SI) 265 Kin Tandyson - STONED NC TOWER DISTRIBUTION PARLET 127 9562 RELAY BOX, IN CROSS PASSAGE LIG CONTROLS, WEST SUPPLY DUCT AIR DUCT LIG CONTROL 31 16 # 14 3 1/c = 14 LTG CONTROLS EAST EXHAULT DUCT AC PONER DISTRIBUTION PONES LEG & HES CONTRETOR PONEL C 252 17. FUNKEL KLAPH LTG TOA NI TO HE RELAY BOX IN EXHAUST CUCT P3 1 18 16 6 RELAY BOX, IN EXHAUST DUCT P4 3" 16 1116 TUNNEL SHOWLETS FUR OF 19 54 23X 📆 ADJACENT FELLY BY, IN EXHAUST DUCT CONTROL FOR DUAL RELAY SYSTEM lares some Pipe Hrs 838. 7 78 - 6 PELAY BOX, IN CROSS PASSAGE LEG CONTROLS EAST SUPPLY DUCT AIR DUCT LEG CONTROL.
RELAY BOX, IN EXHAUST DUCT LEG CONTROLS NEST EXHAUST DUCT 7 3 /0050 BUT A / 16 TRANSFORMED BRIMA PG HOT USID P8 1" 3 41/5 # 6 RELAY BOX IN EXHAUST DUCT ADJACENT RELAY EXA IN EXHAUST DUCT CONTROL FOR DUAL RELAY SYSTEM AC POWER DISERIBLITION PARKE SOUTH NALL AC DIST. BOXES TRAFFIC CONTROL C364 () FUNTEL LTS FREDERS . H. . Ha " 5 k. s NORTH HALL AC DIST. BOXES Type of IT; FEEDERS # 112. NY. 1/2 8 16 - 5 PH 15 3 75.5 Souril wall Ac DIST. BURES TUNNEL LEG TEEDERS + 31.32 P12 1/2 3 4006 P13 1 1 1006 Turnel Ira reenems ras 54 WATER MANY DINE HTG 194. 4 1/2 1/2 (3) 30 willy 115 Tunder SAMED SACOMONNI LIGHTING PINEL 124/2001 198062 g) indices toddel peceptucle, pl conconnecses Hilleticus secon FIGHTING PANEL, BKRS. \$ 1.3-5 Nouth fall NE DIST BOXES. 1" 111C+5 61C+12G 31623 \$ 2-1-5 SOUTH WALL HE DIST. BOXES. NOT MICO P18 32 1 1/210 ACDISTRIBUTION BOX LOCAL DISCONNECT SMITCH MESSAGE BOARD CUT-OUT PED \$4 3-1/6 \*10 € 1 2 40 1134 /6 1134 MESSAGE BONRD FEEDER JUNCTION BOX NEAR HYDRANT NATE + MAIN PIPE HEATING FEEDER Pal 32 2 40010 PUNCTION BOX NEAR NYORANT "18 NOTES Pez \$ 2 400124 400106 P23 44 2 40012 6 400106 TV CAMERA 12) \*\*\*\*\*\* I ALL 4834MC, 120/231 VAC, 125/253 VDC WIRE & CABLE TO BE STRANDED //C COPPER, FIRE XAMW COLOR COPED AS TUMNEL RECEPTACLE 220 12 2 1/csiaf 1/csive CO AMAILIER CARACTE P25 #/F26 4 15. 4 6 P254 1/4 1 12 4 6 FOLLOWS: PHASE A - NINCK RELAY BOX AIR DUCT LTG. FOR LIGHTING PANEL BREAKERS \$8,10,12 PHASE B - RED NEST SUPPLY DUST LTS RELAY 30X PHASE C - BLUE PZ58 1/+11 + 1/5° W RELAY BOX EAST RETURN DUCT LTS NEUTRAL - WHITE P26 1/2 4 1/6 1/6 P26A 1/1/2 4 1/6 1/6 LIGHTING PANEL BREAKERS #14,14,18 RELAY BOX GROUND - CREEN EAST SUPPLY DUCT LTS 2 FOR WIRE & CABLE, SEE ELECTRICAL TRELAY RUX P268 1'2 + 1/6 6 NEST RETURN DUCT LTS SELAY 30X P27 14" 13 1/6"4 16"40 AC POWER DISTRIBUTION PANEL RECEPTS, SUPPLY ( RETURN DUCTS | PONER OUTLETS 3 THIS CIRCUIT SCHEDULE IS TYPICAL FOR TAST, CENTER, AND NEST CROSS PASSAGEMAYS 4. INSTALL SPARE COMMIL CABLE RUN FROM I'V COMM DOX IN PULLBOX GROUP IN TO I'V COMBOLE LOCATED IN EAST PORTAL CONTROL ROOM. ALL COAXIAL CADIE SECTIONS Motors: TO BE CONNECTED WITH HITP SPECIAL INDUSTRIES. runder D.C EMER- LTS FOR EDM 2 3 1/2 1/3 AUTO, TRANSFER SWITCH EC DISTRIBUTION BOX # 23N EDIB 1/2 3 16 = 3/0 EDIC 1 3 16 = 2 onnector commerce reservas 4 D.C DISTRIBUTION BOX + ZIN DE DISTRIBUTION BON # 19N (R) S. SAME CONQUITS ARE NOT INDICATED ON THIS SCHEDULE BUT SHALL BE INCLUDED DC DISTRIBUTION BOX . IAN DC DISTRIBUTION BUX + ISH EDIC / VDIA 2 3 160 49 DE BISTHOUSING BOX & GN JUTO TRANSFIR SWITCH IN PROJ. Nº 170-3(63)220. DC DISTRIBUTION 30x 6A D.C DISTRIBUTION BOX + 10N dois 1年 3 7c= 40 J.C DISTRIBUTION RIX! ION D.C DISTRIBUTION BOR 11H forc 1' 3 /10 2 D2 1" 3 16.4 D.C. MHIN PANEL DC. DISTRIBUTION BOXES TELEP- ME MARKER & SIGNAL LIGHT FOR i+ 3 /c+10 د تر DC DITAIDUTION BOXES TUNNEL EMERG LIGHTING TUNNEL EMERGIES TIXTURES TELEPHONE NICHE ITELEPHONE MARKER & SICHAL LIGHT D4 D.5 2 1/2 +10 LIGHTING TRANSFER FELAT C1 J4' 2 1/(+12 C2 5/4' 6 1/(+12) LIGHTING PANEL BAR. . 1 LTG SHTE RELAY & CONTROL PANEL CONTROL POWER FEEDER LEG SHEG RELATE CONTROL PHL. LIE CHIE CONTRACTOR PANEL Contract C3A 3/: 6 /c 12 JUNCTION BOX CONTRIL ( TC.\*3 FOWER C3B 3/4" 2 1/0" 12 C3C 3/4" 4 1/c \*12 TEMPERATURE CONTROLLER T.C. #1 TEMPERATURE CONTROLLER T.C # 3 THERMOCOUPLE ON NATER MAIN TEMP. SENSING SOUTH PART SELECTION OF COME SUPERISSET COM CBD //2" I C/C" 20 CHESTEL TEMPERATURE CONTROLLER T.C. #3 DFOR INFORMATION ONLY SCI I" I GPAIR +18:110 MAIN CONTROL CONSILE SUPERHADER CONTROL ECOMMUNICHTIO REVISIONS 14.112 1 6PAIR # 12 1412. STATE OF COLORADO - DEPARTMENT OF HIGHWAYS TYPISAL SC3 MICH I GRAIN' E CHID. TELENHINE DISTRIBUTION BOX MESSAGE BOWKD EISENHOWER MEMORIAL TUNNEL SC4 1 2 1CON TYPE UF MESSAGE BUNNE LOSP DEFECTOR contrad TYPICAL SECOND BORE 1 para \*14 pmp. TELEPHONE DISTRIBUTION BUE
1 1 pmm 15 pmp. CO. ANALYZER CHENNET LIO. & NEG RELATE CONTROL PANEL TUNNEL LIG RESET SYSTEM. SC5 34' PRINT PECORD ELECTRICAL FAN CONTRUL PANES C.O. KECORDEN TUNNEL LOCAL TRANSFORMER BOX 77 2 1/2 10 MESSAGE BOARD 507 +801 -RI - 201 SEC TIME MANUAL S 3 3 3 3 0 0 21 5 STOP LIGHT ICCAL TRANSFORMER 801 307701 FIRTSAL CONDUIT & CABLE SCHEDULE PTE ma PTA FOR FOR THE FOR CUSTOMER 5 5 5 5 5 4 676 חויקו אין ארושה א אוימוס Contraction of the series of the series SCALE ORDER NO. INTRA CO 15 5 15 1 1 1 1 15 a. Larchitects NONE | C14570 F 0 102 1449 Edwiff (0,04490 F131)

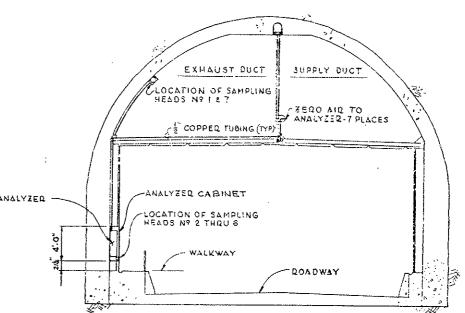






REGION NO COLUPADO 170-3(83) 220 161

(E) REVISED FOR PROJ. NO. 170-3(83)220



## SECTION A-A TYPICAL SCALE 3/16 = 10

## NOTES:

- I. ALL ANALYZERS EXCEPT THE MILL HAVE A CABINET AS DETAILED ON DWG WE'S.
- 2 UNITS 2 THRU & WILL BE MOUNTED ON WALL ALONG ROADWAY IN TUNNEL AND REQUIRE AIR SAMPLING HEAD MOUNTED IN OPENING BELOW CABINET IN TILE WITH 5'XL SCREEN.
- 3 UNIT 1 7 WILL BE MOUNTED IN EXIST. CO. ANAL. ROOM IN VENTILATION BUILDINGS WITH AIR SAMPLING HEADS LOCATED IN EXHAUST DUCT-NOT ON CABINET DOOR
- 4. CO ANALYZER VERTICAL PIPING SHALL TERMINATE IN A DRIP LEG. AND NO SAGS PERMITTED IN HORIZONTAL PIPING.
- 5. ANALYZER CABINETS FOR WHITS Z THRU & WILL CONTAIN A THERMOSTAT-CHROMALOX CAT. NO. WR-90, PCN 263185, 20 - 70 F RANGE, 25A & 120V. AC. (OR EQUAL) FOR CONTROL OF 2-PINTRIP
  AIR HEATERS (SERIES CONNECTED) CHROMALOX CAT. NO. OTF-15. PCN 128143, 120 VOLTS, 325 WATTS, WITH OTF COVER CAT NO.

Chromolox CHE35 579/120 V 350 W IKI Two each cabinet.

FOR INFORMATION OWLY REVISIONS STATE OF COLORADO - DEPARTMENT OF HIGHWAYS EISENHOWER MEMORIAL TUNNEL MECHANICAL CARBON MONOXIDE SAMPLING AND ANALYZING SYSTEM PLANS, SECTIONS AND DETAILS 1144 GEN 5-28-74 100 1785-120M (83) 10 10 EER 5-3074 M-13 S

C 14570

