

U.S. Standard Units
(Inch-Pound Units)

ALL UNITS IN FEET UNLESS OTHERWISE NOTED

UTAH

DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED STATE ROAD
FEDERAL AID PROJECT

F-184-6(97)108 PIN 6560

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART

BRIDGE DECK REHAB

MORGAN COUNTY

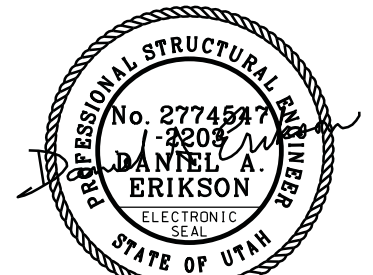
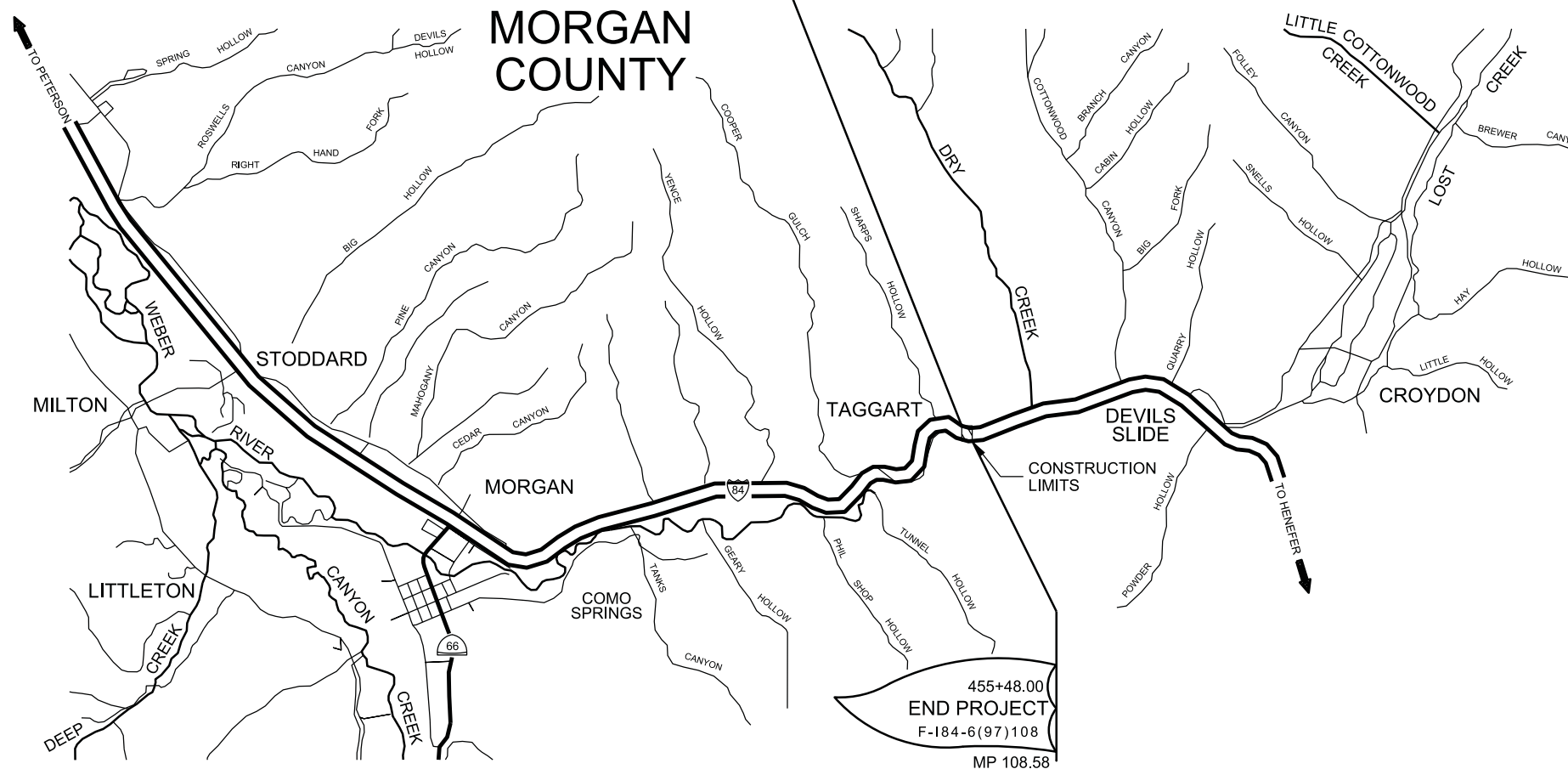
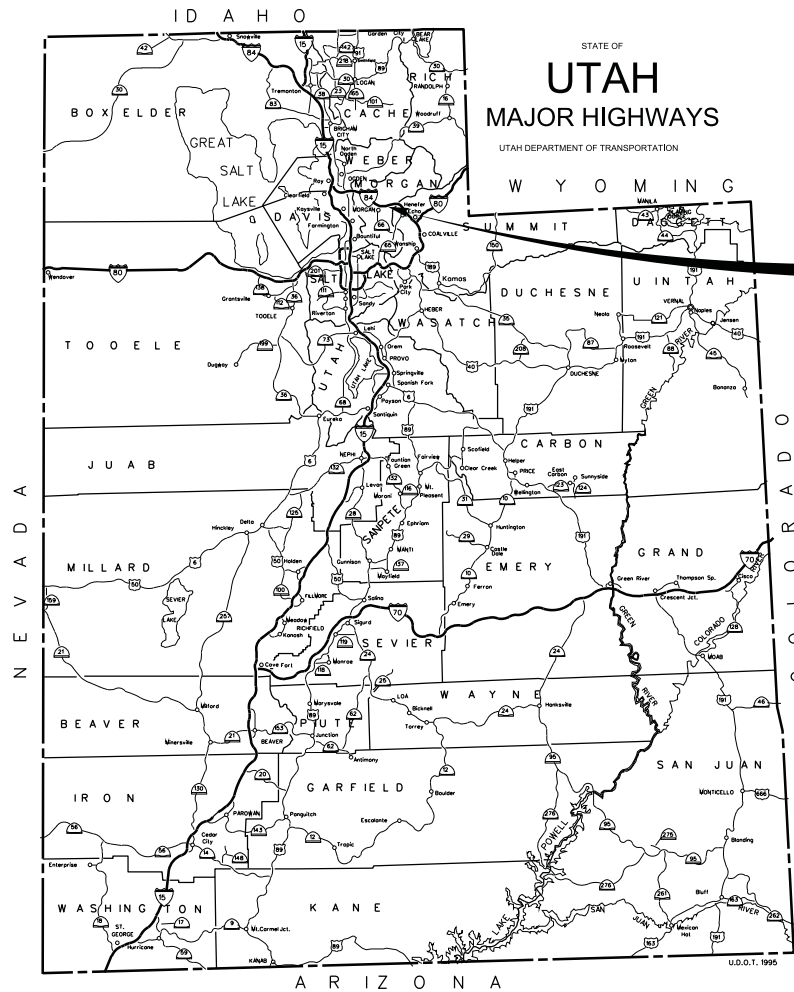
LENGTH 0.100 MILES

INDEX TO SHEETS - ROADWAY DRAWINGS

SHEET #	DESCRIPTION
1	TITLE SHEET
TS-1	TYPICAL SECTION
DT-1	DETAIL
SM-1	SUMMARY
RD-1	ROADWAY

INDEX TO SHEETS - STRUCTURE DRAWINGS

DWG NO.	DESCRIPTION	SHEETS
F-114R	I-84 BRIDGE F-114 0.8 MILES EAST OF TAGGART-BRIDGE DECK REHABILITATION	1 to 54 of 54
F-114	FOR INFORMATION ONLY SHEETS	1 to 35 of 35



04/14/2010

THIS SEAL APPLIES TO ALL SHEETS CONTAINING THIS SIGNATURE

Daniel A. Erikson

VERIFIED FOR SUBMISSION FOR ADVERTISEMENT

Daniel A. Erikson

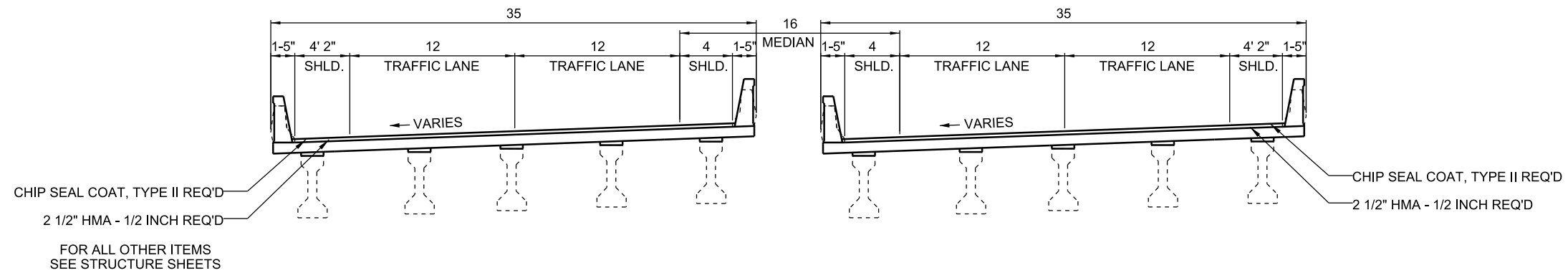
DESIGN ENGINEER

UTAH DEPARTMENT OF TRANSPORTATION

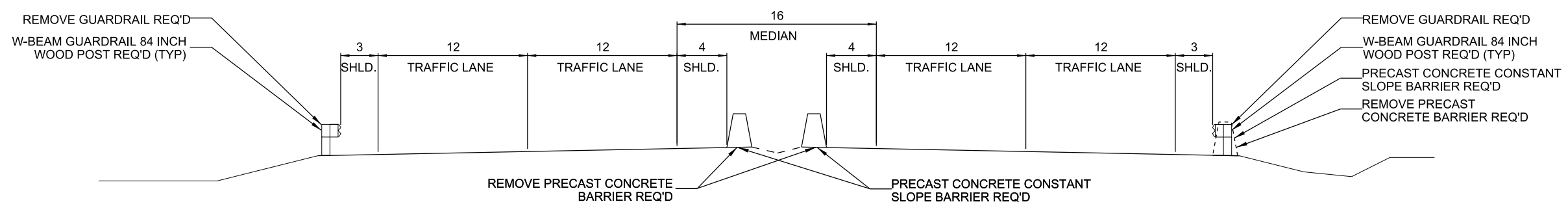
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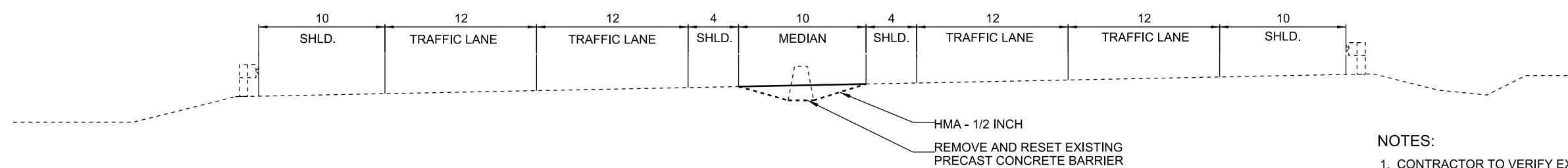
REGION ONE PRECONSTRUCTION ENGINEER



TYPICAL SECTION 1
I-84
 DESIGN SPEED = 75 MPH
 STRUCTURE F-114



TYPICAL SECTION 2
I-84
 DESIGN SPEED = 75 MPH



TYPICAL SECTION 3
PROPOSED I-15
MEDIAN CROSSOVER
 (FOR INFORMATION ONLY)
 DESIGN SPEED = 65 MPH

- NOTES:**
1. CONTRACTOR TO VERIFY EXACT LOCATION OF CROSS-OVER WITH THE ENGINEER AND REGION TRAFFIC AND SAFETY. (CROSS-OVERS SHOULD BE CONSTRUCTED BETWEEN MP 107.8-108.1, 108.3-108.5, AND 108.8-109.0)
 2. PROTECT EXISTING CATCH BASINS IN PLACE.
 3. BARRIER FOR TEMPORARY CROSSOVER MUST BE PROVIDED BY THE CONTRACTOR.
 4. REMOVE TEMPORARY HMA AND RESTORE MEDIAN TO ITS ORIGINAL CONDITION WHEN CROSSOVER IS NO LONGER NEEDED.

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

APPROVED *David A. Erikson* PROFESSIONAL ENGINEER

DATE 04/14/10

DRAWN BY BRL
 CHECKED BY TNE

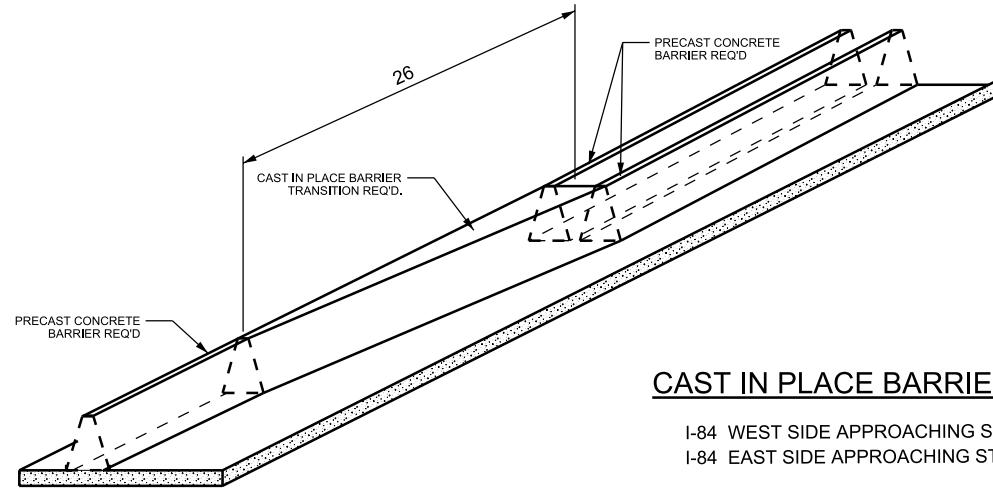
PROJECT I-84; BRIDGE F-114,
 0.8 MILES EAST OF TAGGERT

PROJECT NUMBER F-184-6(97)108

TYPICAL SECTION

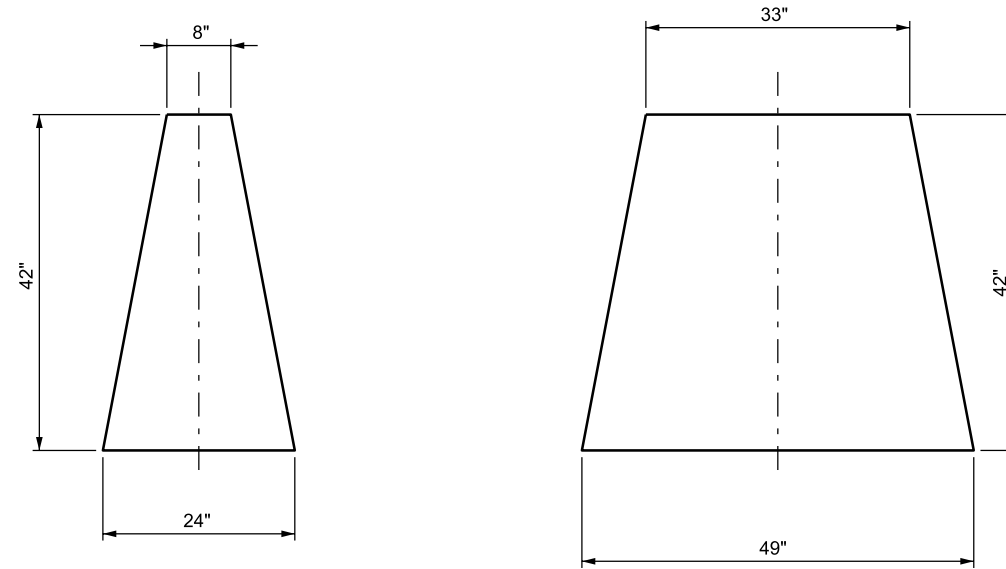
SHEET NO. TS-1

15-APR-2010 DCN F:\15a IP-W\15a\1737\6568_15-1.dgn



CAST IN PLACE BARRIER TRANSITION

I-84 WEST SIDE APPROACHING STRUCTURE F-114
I-84 EAST SIDE APPROACHING STRUCTURE F-114



CAST IN PLACE BARRIER TRANSITION SHAPE AT ENDS

- NOTES:
1. SPACE AND SIZE REINFORCING AND END CONNECTIONS PER STD BA 3A1 AND BA 3A2

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114,
0.8 MILES EAST OF TAGGERT

PROJECT

F-184-6(97)108

PROJECT NUMBER

APPROVED

Daniel A. Erikson
PROFESSIONAL ENGINEER

04/14/10
DATE

GC CHECKED BY
TNE

DATE

APPROVED BY

REMARKS

SHEET NO. DT-1

15-APP-2010 DCN File: IP:\p\w\lms\1737\6568_SM-1.dgn

BARRIER SUMMARY SHEET										
LINE	FROM		TO		W-BEAM GUARDRAIL WITH 84 INCH WOOD POSTS	W-BEAM GUARDRAIL TRANSITION ELEMENT	CAST-IN-PLACE CONCRETE CONSTANT SLOPE BARRIER	CAST-IN-PLACE TRANSITION BARRIER	PRECAST CONCRETE CONSTANT SLOPE BARRIER	REMARKS
	STATION	OFFSET	STATION	OFFSET	FEET	EACH	FEET	FEET	FEET	
I-84 EB	448+46.48	44.28 RT	450+89.97	37.01 RT	243					
I-84 WB	449+81.90	40.53 LT	450+62.66	42.13 LT					80	
I-84 WB	450+62.66	42.13 LT	451+64.53	37.61 LT					100	
I-84 EB	450+11.61	1.21 RT	450+37.53	0.09 LT				26		
I-84 WB	450+37.45	1.63 LT	451+17.50	4.36 LT					80	
I-84 EB	450+37.65	1.48 RT	451+17.49	4.55 RT					80	
I-84 EB	450+95.53	36.69 RT				1				
I-84 EB	451+17.50	4.36 LT	451+31.45	4.52 LT			14			
I-84 WB	451+17.49	4.55 RT	451+21.92	4.68 RT			4			
I-84 EB	454+00.88	3.66 RT	454+17.95	3.03 RT			17			
I-84 EB	453+46.61	36.46 RT				1				
I-84 EB	453+57.54	36.85 RT	454+43.93	40.50 RT	86					
I-84 EB	454+05.81	3.72 RT	454+65.70	1.29 RT					60	
I-84 WB	454+12.09	4.70 LT	454+17.93	4.60 LT			6			
I-84 EB	454+17.93	4.60 LT	454+58.01	2.05 LT					40	
I-84 WB	454+17.95	3.03 RT	454+57.87	1.45 RT					40	
I-84 WB	454+45.33	36.84 LT				1				
I-84 WB	454+63.67	37.10 LT	455+48.06	40.68 LT	84					
I-84 EB	454+57.87	1.45 RT	454+83.80	1.67 RT				26		
I-84 EB	454+83.80	1.67 RT	455+03.82	1.68 RT					20	
TOTAL					414	3	41	52	500	
USE					425	3	45	52	500	

PAVEMENT MARKING PAINT SUMMARY SHEET											
LINE	FROM		TO		4" WHITE				4" YELLOW		REMARKS
					190 FT/GAL		760 FT/GAL		190 FT/GAL		
	STATION	OFFSET	STATION	OFFSET	FEET	GALLON	FEET	GALLON	FEET	GALLON	
I-84 EB	450+67.91	32.71 RT	450+92.93	32.42 RT	50.04	0.26					includes 2 coats
I-84 EB	450+92.93	32.42 RT	453+65.01	32.42 RT	544.16	2.86					includes 2 coats
I-84 EB	453+65.01	32.42 RT	453+92.06	32.83 RT	54.10	0.28					includes 2 coats
I-84 EB	450+79.06	20.63 RT	451+04.25	20.42 RT			50.38	0.07			includes 2 coats
I-84 EB	451+04.25	20.42 RT	453+81.24	20.42 RT			553.98	0.73			includes 2 coats
I-84 EB	453+81.24	20.42 RT	454+09.00	20.66 RT			55.52	0.07			includes 2 coats
I-84 EB	450+90.04	8.89 RT	451+15.68	8.42 RT					51.28	0.27	includes 2 coats
I-84 EB	451+15.68	8.42 RT	453+97.71	8.42 RT					564.06	2.97	includes 2 coats
I-84 EB	453+97.71	8.42 RT	454+26.24	8.73 RT					57.06	0.30	includes 2 coats
I-84 WB	451+20.07	21.73 LT	451+44.77	20.42 LT			49.40	0.06			includes 2 coats
I-84 WB	451+44.77	20.42 LT	454+39.34	20.42 LT			589.14	0.78			includes 2 coats
I-84 WB	454+39.34	20.42 LT	454+70.52	21.17 LT			62.36	0.08			includes 2 coats
I-84 WB	451+31.16	32.78 LT	451+57.08	32.42 LT	51.84	0.27					includes 2 coats
I-84 WB	451+57.08	32.42 LT	454+57.96	32.42 LT	601.76	3.17					includes 2 coats
I-84 WB	454+57.96	32.42 LT	454+89.01	32.44 LT	62.10	0.33					includes 2 coats
I-84 WB	451+07.81	9.28 LT	451+32.56	8.42 LT					49.50	0.26	includes 2 coats
I-84 WB	451+32.56	8.42 LT	454+21.12	8.42 LT					577.12	3.04	includes 2 coats
I-84 WB	454+21.12	8.42 LT	454+51.77	9.31 LT					61.30	0.32	includes 2 coats
TOTAL					1364.00	7.18	1360.78	1.79	1360.32	7.16	
USE						8.00		2.00		8.00	

UTAH DEPARTMENT OF TRANSPORTATION		DRAWN BY BRL	CHECKED BY TNE
APPROVED <i>David A. Eikson</i> PROFESSIONAL ENGINEER		DATE 04/14/10	
PROJECT I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGERT	SUMMARY F-184-6(97)108		
PROJECT NUMBER F-184-6(97)108	REVISIONS		
SHEET NO. SM-1	NO.	DATE	APPROVED BY
			REMARKS

REMOVAL SUMMARY								
LINE	FROM		TO		REMOVE GUARDRAIL	REMOVE PRECAST CONCRETE BARRIER	REMOVE CAST-IN-PLACE CONCRETE BARRIER	REMARKS
	STATION	OFFSET	STATION	OFFSET	FEET	FEET	FEET	
I-84 EB	448+46.48	44.28 RT	450+95.53	36.69 RT	249.05			
I-84 EB	449+91.73	1.47 RT	450+11.61	1.27 RT			20	
I-84 EB	450+11.61	1.27 RT	450+24.15	2.02 RT		12.54		
I-84 EB	450+24.15	2.02 RT	451+23.85	4.74 RT		99.70		
I-84 WB	450+11.72	1.39 LT	451+36.42	4.54 LT		124.70		
I-84 EB	451+23.85	4.74 RT	451+31.48	4.95 RT			8	
I-84 WB	451+36.42	4.54 LT	451+42.56	4.94 LT			6	
I-84 EB	453+88.74	4.52 RT	453+96.02	3.94 RT			7	
I-84 EB	453+96.19	3.71 RT	454+31.23	3.59 RT		35.04		
I-84 EB	454+31.23	3.59 RT	454+71.37	2.49 RT		40.14		
I-84 EB	454+71.37	2.49 RT	454+83.75	1.66 RT		12.38		
I-84 EB	453+46.61	36.46 RT	454+43.93	40.50 RT	97.32			
I-84 WB	454+03.96	5.14 LT	454+11.04	4.73 LT			7	
I-84 WB	454+11.04	4.73 LT	454+83.83	1.12 LT		72.79		
I-84 EB	454+83.80	1.67 RT	455+03.82	1.68 RT			20	
I-84 WB	454+45.33	36.84 LT	455+48.06	40.68 LT	102.73			
TOTAL					449	397	68	
USE					455	410	75	

DRAINAGE SUMMARY SHEET										
LINE	FROM		TO		SHALLOW CATCH BASIN - CB 3	CONCRETE DRAINAGE STRUCTURE 3 FT TO 5 FT DEEP - CB 9	12 INCH - DECK DRAIN/EDGE-DRAIN PIPE, CLASS C	18 INCH IRRIGATION/STORM DRAIN, CLASS C, SMOOTH	STANDARD GRATE AND FRAME (GF 3)	REMARKS
	STATION	OFFSET	STATION	OFFSET	EACH	EACH	FEET	FEET	EACH	
I-84 EB	450+65.14	51.64 RT	451+05.84	8.04 RT				60		Inlet Flowline Elevation = 5222.105, Outlet Flowline Elevation = 5221.505
I-84 EB	451+05.93	5.54 RT				1			1	Column A, Line 2 Top of Grate Elevation = 5225.530
I-84 WB	451+48.38	36.85 LT	451+49.45	54.82 LT			18			
I-84 WB	451+48.41	37.35 LT			1				1	Top of Grate Elevation = 5223.603
I-84 EB	453+88.00	1.34 RT	453+97.74	3.51 RT			10			
I-84 WB	454+56.05	47.11 LT	454+57.71	37.25 LT			10			
TOTAL					1	1	38	60	2	
USE					1	1	45	65	*	

*FOR INFORMATION ONLY

SURFACING SUMMARY											
LINE	STATION		LENGTH FEET	HOT MIX ASPHALT				EMULSIFIED ASPHALT CRS-2P 0.42 GAL/YD ²	CHIP SEAL COAT, TYPE II	FULL DEPTH SLAB REPLACEMENT	REMARKS
	FROM	TO		HMA - 1/2" (PG 64-34)		VOL FT ³	TON				
	AVG WIDTH FEET	DEPTH IN	(150 LB/FT ³)		(235 GAL/TON)						
I-84 WB	450+75.92	451+29.40	53.49	32						131.3	
I-84 WB	453+52.45	454+20.15	67.70	32						167.4	
I-84 WB	451+15.32	454+26.13	310.81	31	2.5	2,007	150	1.91	1,070.57		
I-84 EB	451+15.62	454+25.50	309.88	31	2.5	2,001	150	1.91	1,067.36		
I-84 EB	451+07.58	451+74.29	66.71	32						162.9	
I-84 EB	454+08.97	454+81.77	72.80	32						181.7	
TOTAL							300	4	2,138	643	
USE							300	4	2,215	650	

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

APPROVED: *David A. Erikson*
PROFESSIONAL ENGINEER

DATE: 04/14/10

QC CHECKED BY: _____

BRL DRAWN BY: _____

TNF CHECKED BY: _____

PROJECT	I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGERT
PROJECT NUMBER	F-184-6(97)108
SUMMARY	SUMMARY

FULL DEPTH SLAB REPLACEMENT REQ'D
 450+75.92 RT TO
 451+26.40 RT
 453+52.45 RT TO
 454+20.15 RT
 451+07.58 LT TO
 451+74.29 LT
 454+08.97 LT TO
 454+81.77 LT

W-BEAM GUARDRAIL TRANSITION ELEMENT REQ'D
 450+95.53 RT 36.69
 453+46.61 RT 36.46
 454+45.33 LT 36.84

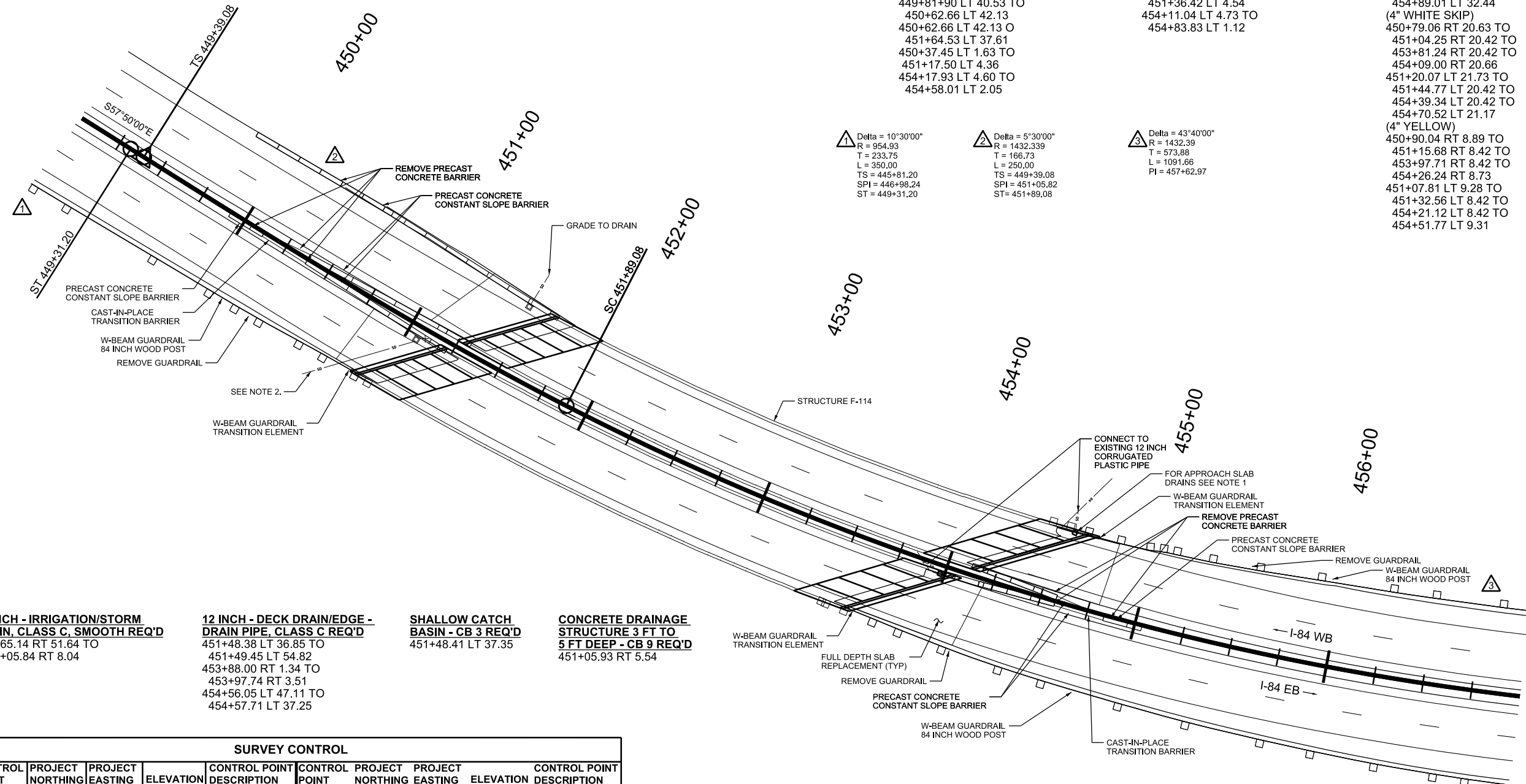
REMOVE GUARDRAIL REQ'D
 448+46.48 RT 44.28 TO
 450+95.53 RT 36.69
 453+46.61 RT 36.46 TO
 454+43.93 RT 40.50
 454+45.33 LT 36.84 TO
 455+48.06 LT 40.68

W-BEAM GUARDRAIL 84 INCH WOOD POST REQ'D
 448+46.48 RT 44.28 TO
 450+89.97 RT 37.01
 453+57.54 RT 36.85 TO
 454+43.93 RT 40.50
 454+63.67 LT 37.10 TO
 455+48.06 LT 40.68

PRECAST CONCRETE CONSTANT SLOPE BARRIER REQ'D
 450+37.65 RT 1.48 TO
 451+17.49 RT 4.55
 454+05.81 RT 3.72 TO
 454+65.70 RT 1.29
 454+17.95 RT 3.03 TO
 454+57.87 RT 1.45
 454+83.80 RT 1.67 TO
 455+03.82 RT 1.68
 449+81+90 LT 40.53 TO
 450+62.66 LT 42.13
 450+62.66 LT 42.13 O
 451+64.53 LT 37.61
 450+37.45 LT 1.63 TO
 451+17.50 LT 4.36
 454+17.93 LT 4.60 TO
 454+58.01 LT 2.05

REMOVE PRECAST CONCRETE BARRIER REQ'D
 450+11.61 RT 1.27 TO
 450+24.15 RT 2.02 TO
 451+23.85 RT 4.74
 453+96.19 RT 3.71 TO
 454+31.23 RT 3.59 TO
 454+71.37 RT 2.49 TO
 454+83.75 RT 1.66
 450+11.72 LT 1.39 TO
 451+36.42 LT 4.54
 454+11.04 LT 4.73 TO
 454+83.83 LT 1.12

PAVEMENT MARKING PAINT REQ'D (4" WHITE SOLID)
 450+67.91 RT 32.71 TO
 450+92.93 RT 32.42 TO
 453+65.01 RT 32.42 TO
 453+92.06 RT 32.83
 451+31.16 LT 32.78 TO
 451+57.08 LT 32.42 TO
 454+57.96 LT 32.42 TO
 454+89.01 LT 32.44
 (4" WHITE SKIP)
 450+79.06 RT 20.63 TO
 451+04.25 RT 20.42 TO
 453+81.24 RT 20.42 TO
 454+09.00 RT 20.66
 451+20.07 LT 21.73 TO
 451+44.77 LT 20.42 TO
 454+39.34 LT 20.42 TO
 454+70.52 LT 21.17
 (4" YELLOW)
 450+90.04 RT 8.89 TO
 451+15.68 RT 8.42 TO
 453+97.71 RT 8.42 TO
 454+26.24 RT 8.73
 451+07.81 LT 9.28 TO
 451+32.56 LT 8.42 TO
 454+21.12 LT 8.42 TO
 454+51.77 LT 9.31



Delta = 10°30'00"
 R = 954.93
 T = 233.75
 L = 350.00
 TS = 445+81.20
 SPI = 446+98.24
 ST = 449+31.20

Delta = 5°30'00"
 R = 1432.339
 T = 166.73
 L = 250.00
 TS = 449+39.08
 SPI = 451+05.82
 ST = 451+89.08

Delta = 43°40'00"
 R = 1432.39
 T = 573.88
 L = 1091.66
 PI = 457+62.97

18 INCH - IRRIGATION/STORM DRAIN, CLASS C, SMOOTH REQ'D
 450+65.14 RT 51.64 TO
 451+05.84 RT 8.04

12 INCH - DECK DRAIN/EDGE - DRAIN PIPE, CLASS C REQ'D
 451+48.38 LT 36.85 TO
 451+49.45 LT 54.82
 453+88.00 RT 1.34 TO
 453+97.74 RT 3.51
 454+56.05 LT 47.11 TO
 454+57.71 LT 37.25

SHALLOW CATCH BASIN - CB 3 REQ'D
 451+48.41 LT 37.35

CONCRETE DRAINAGE STRUCTURE 3 FT TO 5 FT DEEP - CB 9 REQ'D
 451+05.93 RT 5.54

REMOVE CAST-IN-PLACE CONCRETE BARRIER REQ'D
 449+91.73 RT 1.47 TO
 450+11.61 RT 1.27
 451+23.85 RT 4.74 TO
 451+31.48 RT 4.95
 453+88.74 RT 4.52 TO
 453+96.02 RT 3.94
 454+83.80 RT 1.67 TO
 455+03.82 RT 1.68
 451+36.42 LT 4.54 TO
 451+42.56 LT 4.94
 454+03.96 LT 5.14 TO
 454+11.04 LT 4.73

CAST-IN-PLACE TRANSITION BARRIER REQ'D
 450+11.61 RT 1.21 TO
 450+37.53 LT 0.09
 454+57.87 RT 1.45 TO
 454+83.80 RT 1.67

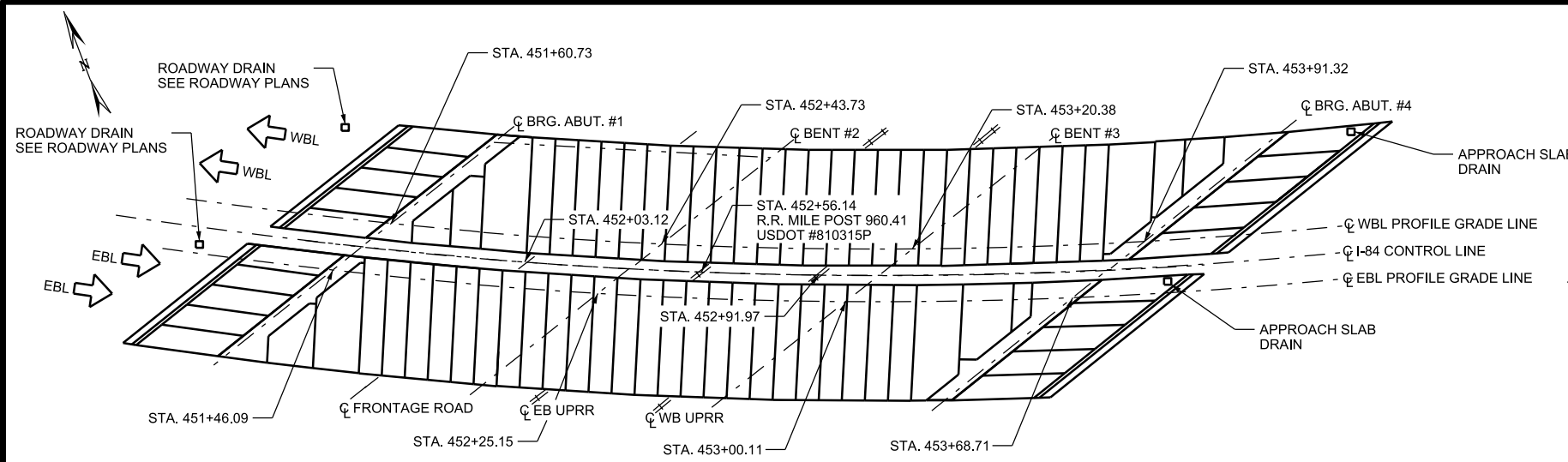
CAST-IN-PLACE CONCRETE CONSTANT SLOPE BARRIER REQ'D
 451+17.50 LT 4.36 TO
 451+31.45 LT 4.52
 451+17.49 RT 4.55 TO
 451+21.92 RT 4.68
 454+00.88 RT 3.66 TO
 454+17.95 RT 3.03
 454+12.09 LT 4.70 TO
 454+17.93 LT 4.60

- NOTES:
- SEE STRUCTURE SHEET 47 FOR APPROACH SLAB DRAINS.
 - SEE SUMMARY SHEET 2 FOR FLOWLINE ELEVATIONS.

SURVEY CONTROL									
CONTROL POINT	PROJECT NORTHING	PROJECT EASTING	ELEVATION	CONTROL POINT DESCRIPTION	CONTROL POINT	PROJECT NORTHING	PROJECT EASTING	ELEVATION	CONTROL POINT DESCRIPTION
CP 1-Q	266908.321	1985933.799	5231.073	CAP & REBAR	CP 34	264415.870	1977158.681	5192.229	TC
CP 3	264356.144	1977255.943	5227.546	CAP & REBAR	CP 35	264367.187	1977160.340	5192.628	H & T
CP 4	264415.451	1976996.401	5197.015	PK	CP 36	264358.799	1977197.923	5206.998	H & T
CP 5	264483.371	1976783.971	5192.959	PK	CP 37	264404.594	1977147.740	5192.144	TC
CP 6	264509.983	1976694.865	5190.993	PK	CP 38	264426.088	1977216.167	5192.492	TC
CP 8	264456.929	1977153.235	5196.614	PK	CP 39	264436.250	1977248.545	5192.673	TC
CP 9	264449.907	1977120.393	5196.640	PK	CP 40	264423.951	1977109.771	5192.665	PK
CP 11	264474.925	1977160.806	5196.405	PK	CP 41	264434.102	1977155.382	5192.854	PK
CP 12	264350.143	1977228.681	5220.102	REBAR	CP 42	264433.002	1977171.749	5192.972	PK
CP 20	264347.299	1977119.250	5192.211	H & T	CP 43	264447.236	1977123.023	5196.680	PK
CP 21	264371.962	1977161.815	5192.372	H & T	CP 44	264438.304	1977090.426	5196.745	PK
CP 22	264395.761	1977180.390	5192.130	H & T	CP 45	264450.225	1977134.164	5196.746	PK
CP 23	264413.163	1977197.969	5192.655	H & T	CP 46	264460.701	1977173.146	5196.469	PK
CP 24	264423.944	1977236.717	5193.008	H & T	CP 47	264469.959	1977201.428	5196.408	PK
CP 25	264432.074	1977261.576	5193.336	H & T	CP 48	264497.534	1977241.453	5196.099	PK
CP 26	264435.939	1977278.979	5193.218	H & T	CP 49	264508.619	1977282.859	5195.372	PK
CP 27	264446.451	1977255.719	5192.725	TC	CP 50	264468.095	1977192.868	5196.437	PK
CP 28	264441.071	1977238.530	5192.564	TC	CP 51	264483.263	1977195.201	5196.514	PK
CP 29	264432.149	1977210.104	5192.454	TC	CP 52	264464.862	1977122.245	5196.491	PK
CP 30	264424.639	1977185.789	5192.282	TC	CP 53	264459.890	1977103.770	5196.478	PK
CP 31	264428.483	1977198.782	5192.354	TC	CP 54	264449.977	1977067.294	5196.418	PK
CP 32	264420.864	1977174.002	5192.279	TC	CP 100	265062.336	1979741.396	5201.844	CAP & REBAR
CP 33	264411.922	1977145.435	5192.214	TC	CP 102	265730.531	1982401.813	5249.068	REBAR

UTAH DEPARTMENT OF TRANSPORTATION		APPROVED	DATE	04/14/10
I-84, BRIDGE F-114, 0.8 MILES EAST OF TAGGERT		Professional Engineer		
PROJECT NUMBER		F-184-6(97)108		
ROADWAY		ROADWAY		
SHEET NO.		RD-1		
REVISIONS		REMARKS		
NO.	DATE	APPROVED BY	REMARKS	

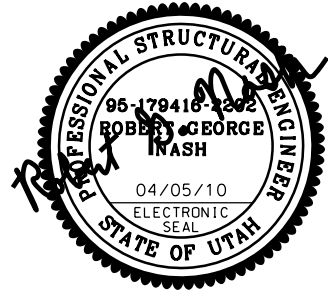
15-APP-2310 DCN File: P:\Projects\11737\6568_RD-1.dgn



BRIDGE LOAD RATING		
HS-20		
	RATING	
INV.	1.17	F
OPER.	2.47	S

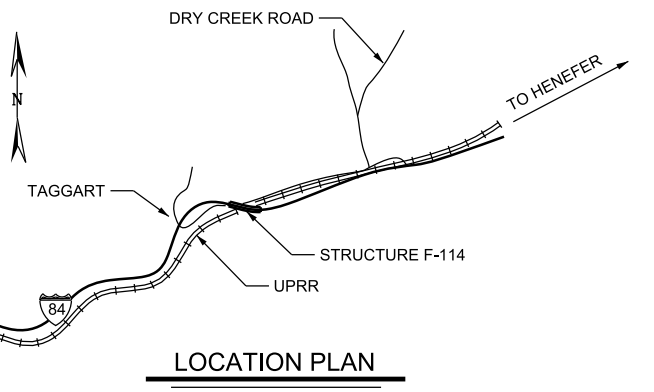
F DENOTES RATING CONTROLLED BY FLEXURE.
S DENOTES RATING CONTROLLED BY SHEAR

PLAN



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2. PHASING DETAILS
3. PANEL LAYOUT
4. RAILROAD REQUIREMENTS
- 4A. DECK PANEL TOLERANCES
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- 5A. PRECAST DECK PANEL P1A
6. PRECAST DECK PANEL P2
7. PRECAST DECK PANEL P3A THRU P3F
8. PRECAST DECK PANEL P4A THRU P4F
9. PRECAST DECK PANEL P5A THRU P5F
10. PRECAST DECK PANEL P6A
11. PRECAST DECK PANEL P6B THRU P6G
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16. PRECAST DECK PANEL P11A THRU P11F
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18. PRECAST DECK PANEL P13A THRU P13F
19. PRECAST DECK PANEL P13F
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21. PRECAST DECK PANEL P14B THRU P14F
22. PRECAST DECK PANEL P15
23. PRECAST DECK PANEL P16
- 23A. PRECAST DECK PANEL P16A
24. PANEL CONNECTION DETAIL
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28. APPROACH SLAB PANEL AP3
29. APPROACH SLAB PANEL AP4
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34. APPROACH SLAB PANEL AP9
35. APPROACH SLAB PANEL AP10
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38. WBL PANEL ELEVATIONS
39. EBL PANEL ELEVATIONS
40. WBL CLOSURE POUR DETAILS
41. EBL CLOSURE POUR DETAILS
42. WBL SINGLE SLOPE PARAPET
43. EBL SINGLE SLOPE PARAPET
44. PARAPET END DETAILS
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46. EBL SLEEPER SLAB DETAILS
47. APPROACH SLAB DRAIN DETAILS
48. ELECTRICAL DETAILS
49. CHAIN LINK FENCE DETAILS
50. REINFORCING STEEL SCHEDULE 1
51. REINFORCING STEEL SCHEDULE 2
52. REINFORCING STEEL SCHEDULE 3
53. CAST-IN-PLACE REINFORCING STEEL SCHEDULE 4
54. BENT REPAIR DETAILS



GENERAL NOTES

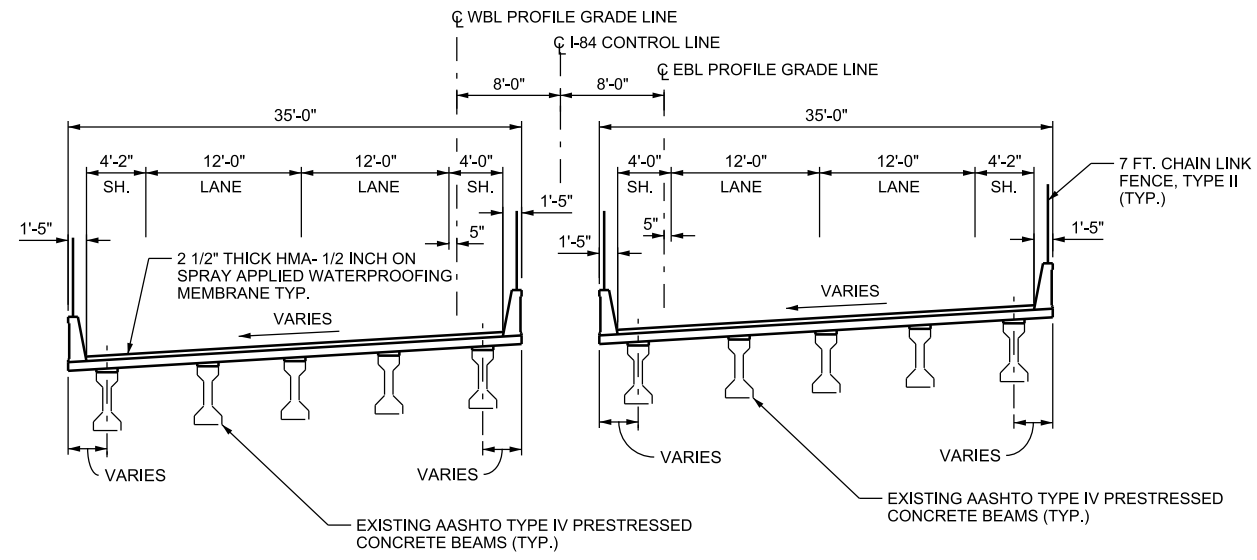
1. USE COATED DEFORMED-CARBON REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60.
2. USE STRUCTURAL STEEL CONFORMING TO AASHTO M 270 GRADE 36 EXCEPT WHERE NOTED OTHERWISE.
3. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4" EXCEPT WHERE NOTED OTHERWISE.
4. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
5. USE LIGHTWEIGHT CLASS AA(AE)(115 pcf) STRUCTURAL CONCRETE FOR CAST-IN-PLACE PARAPET AND PRECAST DECK, APPROACH SLAB PANELS AND SLEEPER SLABS AS PER SPECIAL PROVISION NO. 03314S, EXCEPT WHERE SPECIFIED OTHERWISE.
6. USE CLASS AA(AE) STRUCTURAL CONCRETE FOR ALL CLOSURE POURS (HIGH EARLY STRENGTH).
7. TOP SURFACE OF PANELS AND ALL JOINT SURFACES WILL HAVE A HEAVY BROOM FINISH UNLESS SPECIFIED OTHERWISE.
8. FIELD VERIFY ALL DIMENSIONS.
9. NO STAY IN PLACE DECK FORMS ALLOWED ON THIS STRUCTURE.
10. SUBMIT SHOP DRAWINGS FOR ALL PRECAST CONCRETE DECK PANELS, APPROACH SLAB PANELS, AND SLEEPER SLABS.
11. DESIGN THE PRECAST CONCRETE ITEMS FOR ADDITIONAL STRESSES DUE TO TRANSPORTATION, ERECTION AND OTHER CONSTRUCTION LOADS. PROVIDE REQUIRED STEEL EMBEDMENTS/ANCHORS IN ACCORDANCE WITH UDOT SPECIFICATIONS.
12. LIFTING SUPPORTS AND HANDLING WILL BE DESIGNED AND DETAILED IN ACCORDANCE WITH PCI DESIGN HANDBOOK, PRECAST AND PRESTRESSED CONCRETE, FIFTH EDITION WITH ALL INTERIMS AND ERRATA.
13. ALL WELDING WILL CONFORM TO AASHTO/AWS D1.5 BRIDGE WELDING CODE.
14. THE PRECAST CONCRETE DECK PANELS, APPROACH SLAB PANELS AND SLEEPER SLABS HAVE 1/4" CONCRETE GRINDING ALLOWANCE FOR CORRECTING UNEVEN ROADWAY SURFACE AT JOINTS.
15. MATERIALS, CONSTRUCTION AND WORKMANSHIP WILL BE IN ACCORDANCE WITH UTAH DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (THE LATEST EDITION AND SUPPLEMENTS THERETO WHICH ARE IN EFFECT AT THE DATE OF REQUEST FOR BIDS).

QUANTITIES

ITEM	ESTIM.	UNIT	AS CONST.
HMA- 1/2 INCH	300	TON	
7 ft. CHAIN LINK FENCE, TYPE II	1,120	FEET	
BRIDGE CONCRETE GRINDING	2070	SQ. YD.	
PRECAST APPROACH SLAB PANEL (EST. LUMP QTY. 3662 SQ. FT.)	1	LUMP	
PRECAST CONCRETE SLEEPER SLAB (EST. LUMP QTY 222 FT.)	1	LUMP	
CONCRETE BRIDGE DECK REMOVAL	1	LUMP	
* PRECAST CONCRETE DECK PANEL (EST. LUMP QTY. 14,945 SQ. FT.)	1	LUMP	
COLUMN REPAIR	14	EACH	
PEDESTAL REPAIR	1	EACH	
BENT CAP REPAIR	8	EACH	
WINGWALL REPAIR	5	EACH	
BEAM END REPAIR	9	EACH	
STRUCTURAL STEEL (EST. LUMP QTY. 546 LB.)	1	LUMP	
SPRAY APPLIED WATERPROOFING MEMBRANE	18,300	SQ. FT.	
ELECTRICAL WORK BRIDGES	1	LUMP	

* EXCLUDE CLOSURE POUR AREA

TYPICAL SECTION



DESIGN DATA

HS-20 IN ACCORDANCE WITH CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND INTERIM SPECIFICATIONS.

CAST-IN-PLACE CONCRETE: $f'c = 4000$ PSI; f_y (REINF.) = 60,000 PSI; LIGHTWEIGHT CLASS AA (AE) $n = 11$ PARAPET

PRECAST CONCRETE: $f'c = 4,000$ PSI; f_y (REINF.) = 60,000 PSI; LIGHTWEIGHT CLASS AA (AE) $n = 11$

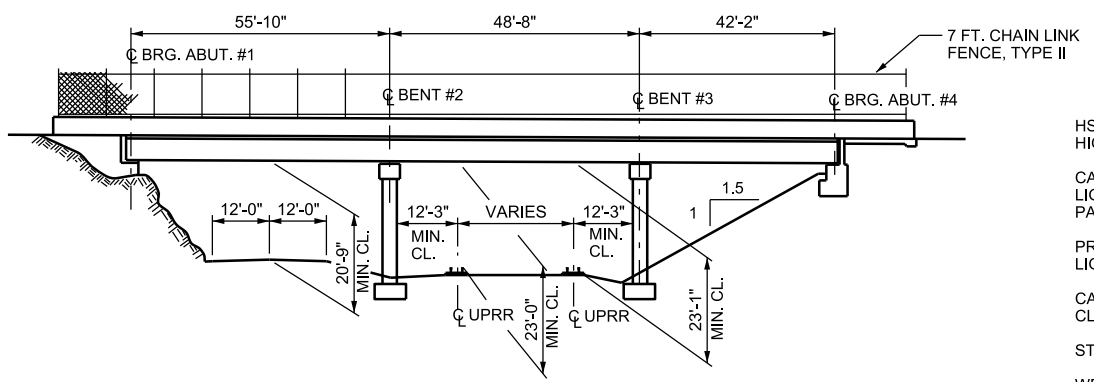
CAST-IN-PLACE CONCRETE: $f'c = 4,000$ PSI; f_y (REINF.) = 60,000 PSI; CLASS AA(AE) $n = 8$

STRUCTURAL STEEL: $f_y = 36,000$ PSI

WEARING SURFACE: 1/2" CONCRETE; 2 1/2" HMA; FUTURE =0 PSF

DESIGN SPEED: 60 M.P.H.

ELEVATION NORMAL TO BENTS



NO.	DATE	BY	REVISION REMARKS
1	04/05/10	Robert b. Nash	DESIGN RGN 12/09 CHECK DD 3/10
2			DRAWN MPP 12/09 CHECK DD 3/10
3			QUANT. RGN 3/10 CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART

I-84 OVER U.P.R.R.

SITUATION AND LAYOUT

F-114-6(97)108

PIN 6560

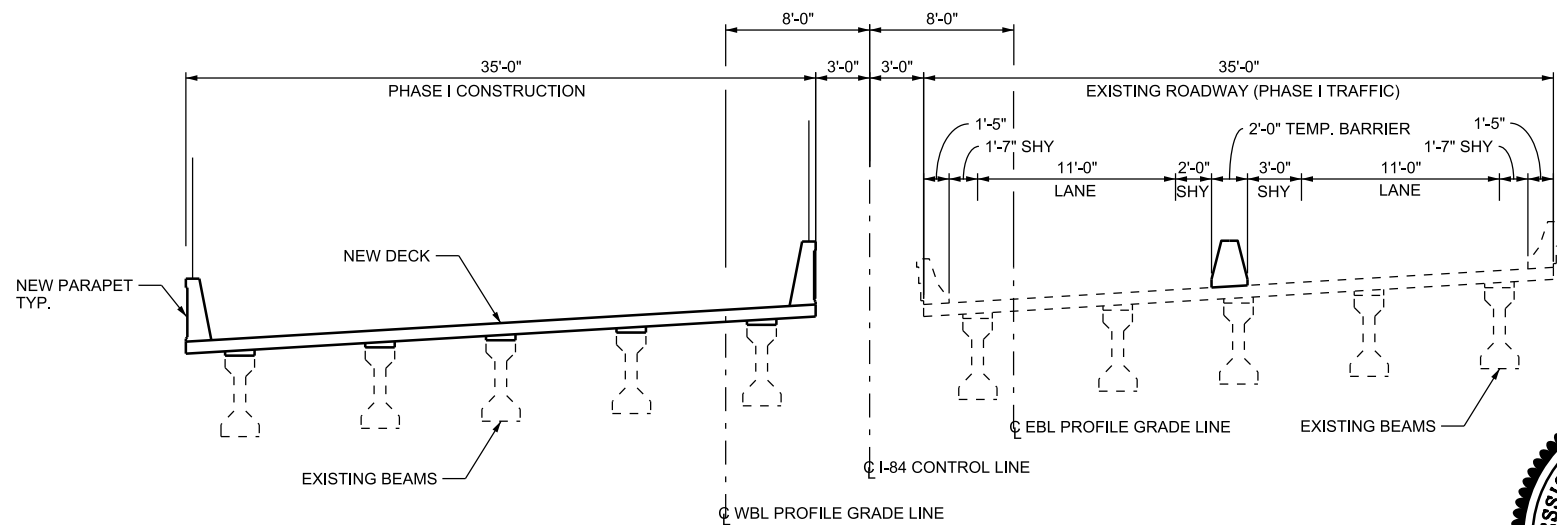
MORGAN COUNTY

F-114R

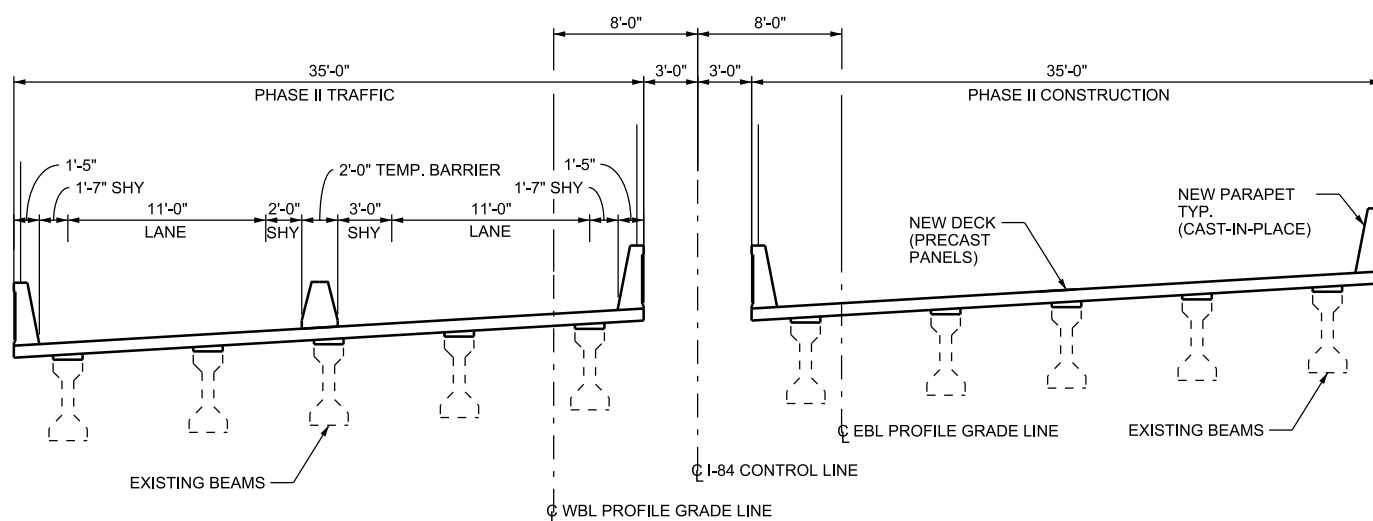
DRG. NO.

PROJECT NUMBER

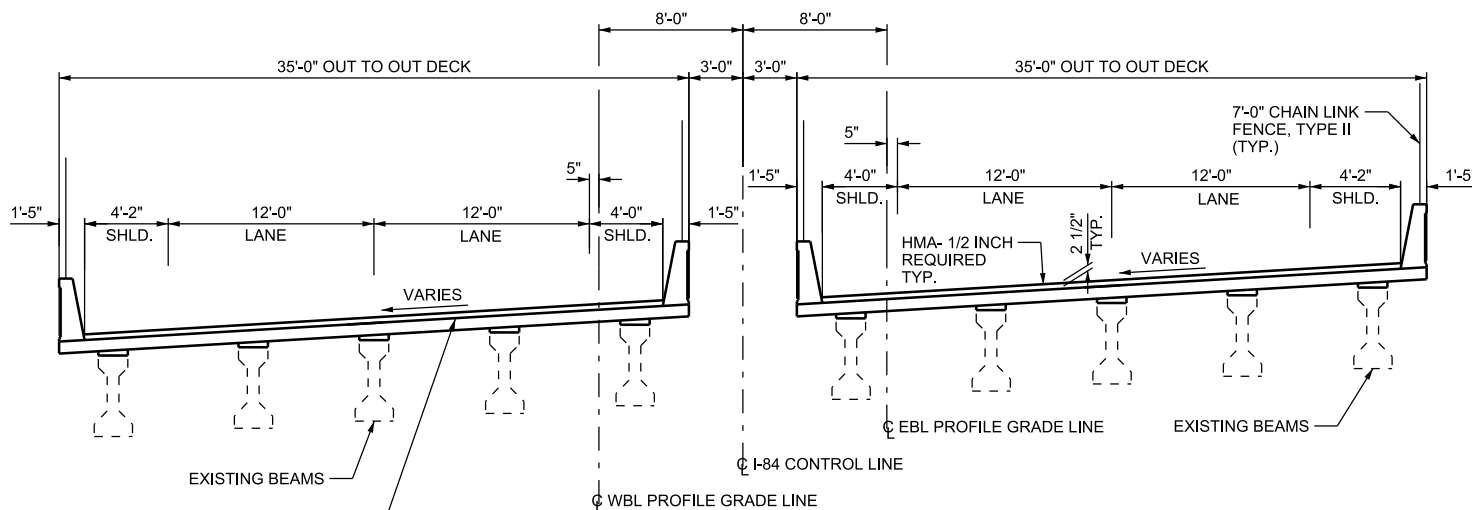
SHT. 1 OF 54



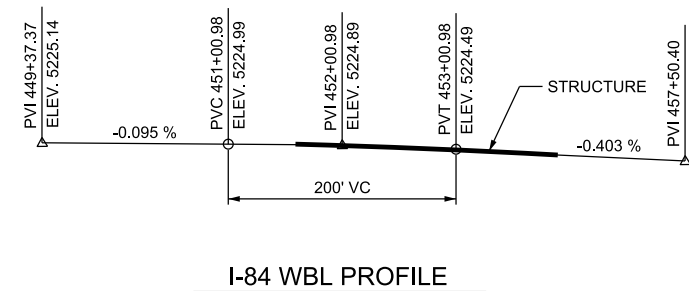
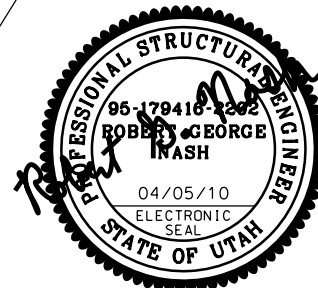
PHASE I CONSTRUCTION



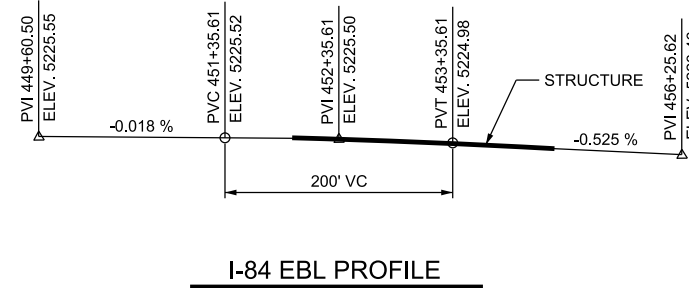
PHASE II CONSTRUCTION



TYPICAL SECTION THRU STRUCTURE



I-84 WBL PROFILE



I-84 EBL PROFILE

NOTE: PHASING MAY BE REVERSED.

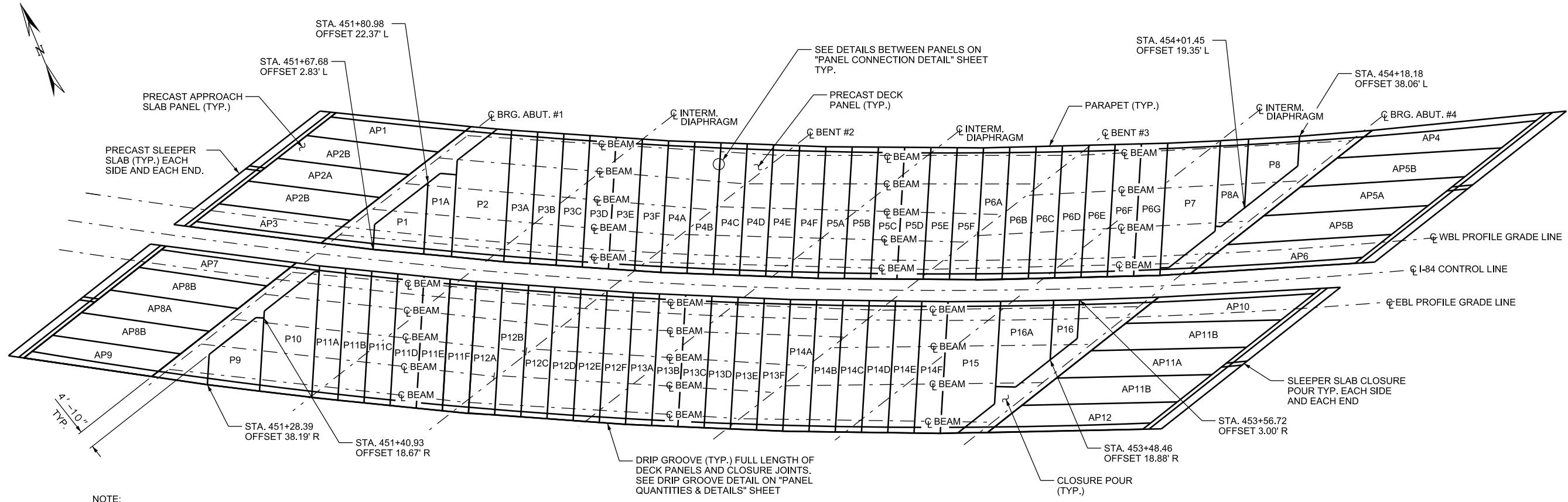
I-84 CURVE DATA

DELTA:	10°30'00" RIGHT	DELTA:	5°30'00" LEFT	DELTA:	43°40'00" LEFT
ENTRANCE RADIUS:	954.93'	ENTRANCE RADIUS:	0.00'	RADIUS:	1432.39'
EXIT RADIUS:	0.00'	EXIT RADIUS:	1432.39'	TANGENT:	573.88'
LONG TANGENT:	233.75'	LONG TANGENT:	166.73'	LENGTH:	1091.66'
SHORT TANGENT:	117.04'	SHORT TANGENT:	83.39'	PI:	457+62.97
LENGTH:	350.00'	LENGTH:	250.00'		
TS:	445+81.20	TS:	449+39.08		
SPI:	446+98.24	SPI:	451+05.82		
ST:	449+31.20	ST:	451+89.08		

SUPERELEVATION DATA WBL AND EBL

	LEFT	RIGHT
STA. 449+34	0 %	0 %
STA. 452+00	-5.65 %	+5.65 %

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
PHASING DETAILS		I-84 OVER U.P.R.R.	
PROJECT NUMBER	F-184-6(97)108	PIN	6560
MORGAN COUNTY			
F-114R			
DRG. NO.			
REVISION REMARKS		DESIGN	RGN 12/09
		DRAWN	MPP 12/09
		QUANT.	MPP 12/09
NO.	DATE	BY	
APPROVAL	RECOMM.	DATE	
APPROVED FOR USE	DATE	BY	
UDOT	UDOT	UDOT	UDOT



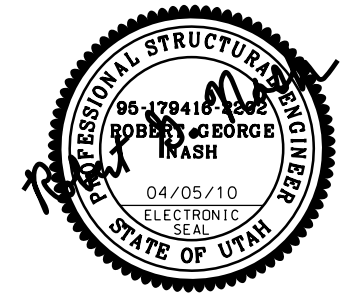
NOTE:
SEE "PANEL QUANTITIES AND DETAILS" SHEET FOR ELEVATION VIEW OVER EXISTING INTERMEDIATE DIAPHRAGMS AND BEAM END DIAPHRAGMS AT BENT #2 AND BENT #3.

PANEL LAYOUT PLAN

NOTE:
THE EXISTING DIMENSIONS AND ANGLES WILL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OF PRECAST CONCRETE DECK PANELS.

PRECAST DECK PANEL, APPROACH PANEL AND SLEEPER SLAB ASSEMBLY PROCEDURE

1. PLACE PRECAST CONCRETE DECK PANELS.
ADJUST EACH PANEL ACCORDING TO THE FOLLOWING PROCEDURES:
 - A. AFTER LIFTING THE PANEL FROM THE TRANSPORT TRUCK AND BEFORE SETTING THE PANEL ON THE BEAMS, ADJUST THE HEIGHT OF THE VERTICAL ADJUSTMENT BOLTS THAT WILL SUPPORT THE PANEL WHEN IT IS BEING SET ON THE BEAMS.
 - B. ADJUST THE LOCATION OF THE PANEL SO THAT IT RESTS IN THE CORRECT LOCATION.
 - C. ADJUST THE PANEL ELEVATION AND SLOPE BY ADJUSTING THE VERTICAL ADJUSTMENT BOLTS OVER THE FIRST AND LAST BEAMS TO MATCH DESIGN REQUIREMENTS. TIGHTEN THE VERTICAL ADJUSTMENT BOLTS OVER THE SECOND BEAM AS WELL AS ANY OTHER LOOSE BOLTS SO THAT ALL BOLTS CAN EVENLY SUPPORT THE PANEL.
 - D. CHECK GRADE AND ADJUST.
 - E. GROUT DECK PANEL JOINT SHEAR KEYWAY.
 2. PLACE SHEAR STUDS.
 3. GROUT BEAM CAMBER STRIPS, SHEAR STUD BLOCKOUTS AND CONNECTION BLOCKOUTS AND ALLOW TO CURE FOR A MINIMUM OF 24 HOURS.
 4. REMOVE CAMBER STRIP FORMS AND LEVELING BOLTS.
 5. CHECK FOR VOIDS VIA VISUAL INSPECTION AND TAPPING.
 6. IF VOIDS ARE FOUND REPAIR PER UDOT APPROVED METHOD.
 7. GROUT LEVELING BOLT INSERTS.
- NOTE:
STEPS 8, 9 AND 10 CAN BE DONE PRIOR TO OR DURING PLACEMENT OF DECK PANELS. THESE STEPS MUST BE DONE PRIOR TO STEP 11.
8. PLACE SLEEPER SLABS. ADJUST TO CORRECT ELEVATION AND LOCATION. SEE SLEEPER SLAB JOINT WIDTH TABLE. PLACE FLOWABLE BEDDING CONCRETE UNDER SLEEPER SLABS. GROUT PORTS AND LEVELING BOLT POCKETS.
 9. PLACE APPROACH SLAB PANELS. ADJUST TO CORRECT ELEVATION AND LOCATION. SEE SLEEPER SLAB JOINT WIDTH TABLE. PLACE WORK MODIFIED AA(AE) CONCRETE BETWEEN SLEEPER SLAB AND APPROACH PANEL. GROUT PORTS AND LEVELING BOLT POCKETS.
 10. PLACE HIGH EARLY STRENGTH SCC CONCRETE IN APPROACH SLAB PANEL JOINTS.
 11. PLACE REINFORCING STEEL BARS AND FORM TRANSVERSE AND LONGITUDINAL CLOSURE POURS.
 12. PLACE CLOSURE POURS WITH HIGH EARLY STRENGTH CONCRETE.
 13. GRIND DECK, APPROACH SLAB AND SLEEPER SLAB SURFACE.
 14. APPLY SPRAY APPLIED WATER PROOFING MEMBRANE AND ASPHALT OVERLAY TO DECK AND APPROACH SLABS.



UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
PROJECT NUMBER: F-184-6(97)108		I-84 OVER U.P.R.R.	
DRG. NO. F-114R		PANEL LAYOUT	
MORGAN COUNTY		PIN 6560	
SHT. 3 OF 54		PROJECT NUMBER: F-184-6(97)108	
APPROVAL FOR USE BY UDOT: [Signature]		DATE: 04/05/10	
APPROVAL FOR USE BY UDOT: [Signature]		DATE: 04/05/10	
DESIGN: RGN 12/09		CHECK: DD 3/10	
DRAWN: MPP 12/09		CHECK: DD 3/10	
QUANT: MPP 12/09		CHECK: DD 3/10	

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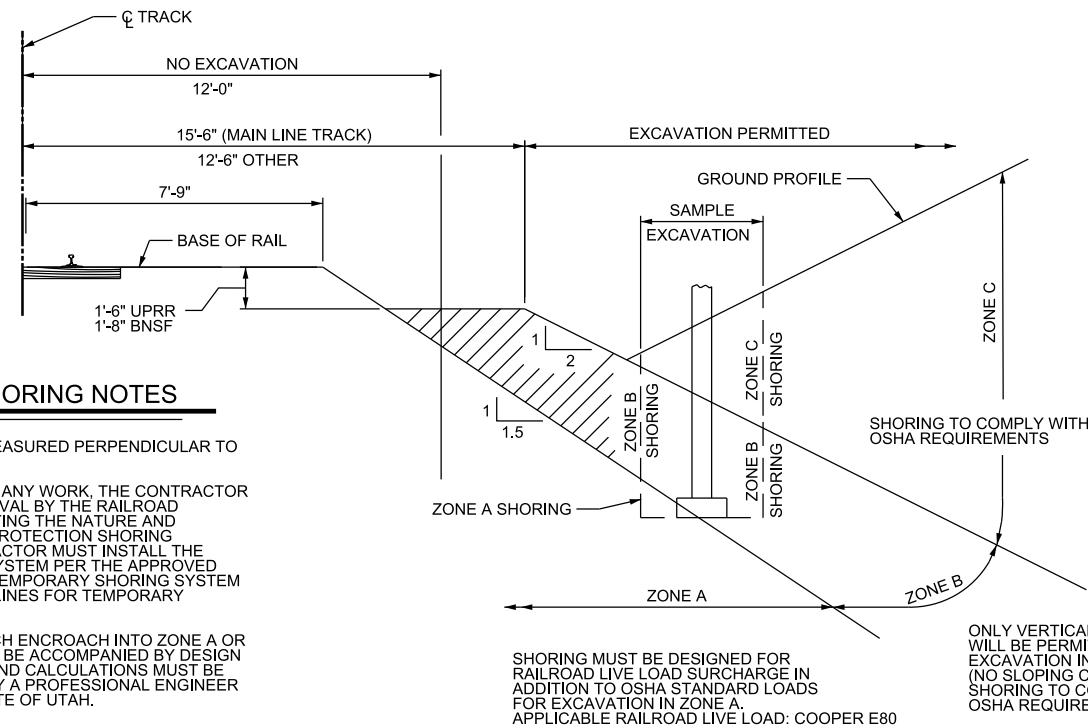
GENERAL SHORING NOTES

1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO C TRACK.
2. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR WILL SUBMIT FOR APPROVAL BY THE RAILROAD DETAILED PLANS INDICATING THE NATURE AND EXTENT OF THE TRACK PROTECTION SHORING PROPOSED. THE CONTRACTOR MUST INSTALL THE TEMPORARY SHORING SYSTEM PER THE APPROVED PLANS. DESIGN OF THE TEMPORARY SHORING SYSTEM TO COMPLY WITH GUIDELINES FOR TEMPORARY SHORING.
3. FOR EXCAVATIONS WHICH ENCR OACH INTO ZONE A OR B, SHORING PLANS MUST BE ACCOMPANIED BY DESIGN CALCULATIONS. PLANS AND CALCULATIONS MUST BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF UTAH.

RAILROAD GENERAL NOTES

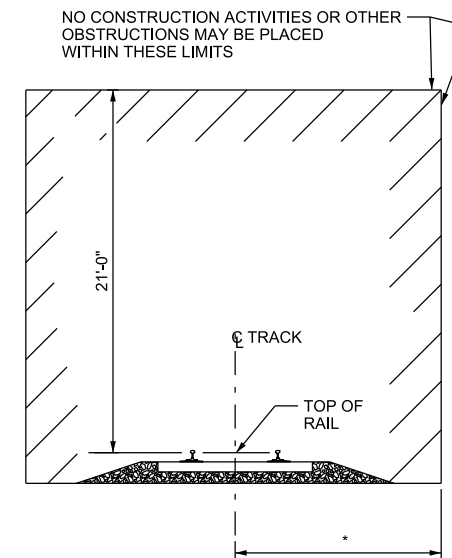
1. RAILROAD REVIEW AND APPROVAL OF SHORING, ERECTION, DEMOLITION AND FALSEWORK IS REQUIRED. ALLOW A MINIMUM OF FOUR WEEKS FOR THE REVIEW AND APPROVAL OF EACH SUBMITTAL.
2. THE PROPOSED GRADE SEPARATION PROJECT WILL NOT INCREASE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD'S DITCHES AND/OR DRAINAGE STRUCTURES.
3. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE WILL BE VERIFIED BEFORE BEGINNING CONSTRUCTION. ALL DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
5. ALL SHORING SYSTEMS THAT IMPACT THE RAILROAD'S OPERATIONS AND/OR SUPPORTS THE RAILROAD'S EMBANKMENT WILL BE DESIGNED AND CONSTRUCTED PER CURRENT RAILROAD GUIDELINES FOR TEMPORARY SHORING.
6. ALL DEMOLITIONS WITHIN THE RAILROAD'S RIGHT-OF-WAY AND/OR DEMOLITION THAT MAY IMPACT THE RAILROAD'S TRACKS OR OPERATIONS WILL BE IN COMPLIANCE WITH THE RAILROAD'S DEMOLITION GUIDELINES.
7. ERECTION OVER THE RAILROAD'S RIGHT-OF-WAY WILL BE DESIGNED TO CAUSE NO INTERRUPTION TO THE RAILROAD'S OPERATION, ENABLING THE TRACK(S) TO REMAIN OPEN TO TRAFFIC PER THE RAILROAD'S REQUIREMENTS.
8. ALL CONSTRUCTION PHASING THAT MAY IMPACT THE RAILROAD OPERATIONS WILL BE DESIGNED TO CAUSE NO INTERRUPTION TO THE RAILROAD'S OPERATION, ENABLING THE TRACK(S) TO REMAIN OPEN TO TRAFFIC PER THE RAILROAD'S REQUIREMENTS.
9. FALSE-WORK CLEARANCES WILL COMPLY WITH MINIMUM CONSTRUCTION CLEARANCES.
10. ALL PERMANENT CLEARANCES WILL BE VERIFIED BY THE DEPARTMENT BEFORE PROJECT CLOSING.
11. FOR RAILROAD COORDINATION PLEASE REFER TO THE RAILROAD COORDINATION REQUIREMENTS AS PART OF SPECIAL PROVISIONS.

GENERAL EXCAVATION ZONES



SHORING MUST BE DESIGNED FOR RAILROAD LIVE LOAD SURCHARGE IN ADDITION TO OSHA STANDARD LOADS FOR EXCAVATION IN ZONE A. APPLICABLE RAILROAD LIVE LOAD: COOPER E80

ONLY VERTICAL SHORING WILL BE PERMITTED FOR EXCAVATION IN THIS ZONE, (NO SLOPING CUTS). SHORING TO COMPLY WITH OSHA REQUIREMENTS



MINIMUM CONSTRUCTION CLEARANCE ENVELOPE

CLEARANCE ENVELOPE

(NORMAL TO RAILROAD)

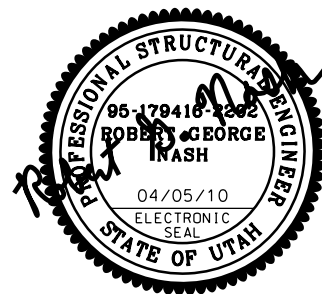
* 15'-0" FOR BNSF AND 12'-0" FOR UPRR

FOR THE FOLLOWING INFORMATION PLEASE REFER TO THE PLAN AND ELEVATION DRAWINGS OF

THE BRIDGE PLANS. THE PLAN AND ELEVATION DRAWINGS MUST SHOW ALL REQUIRED

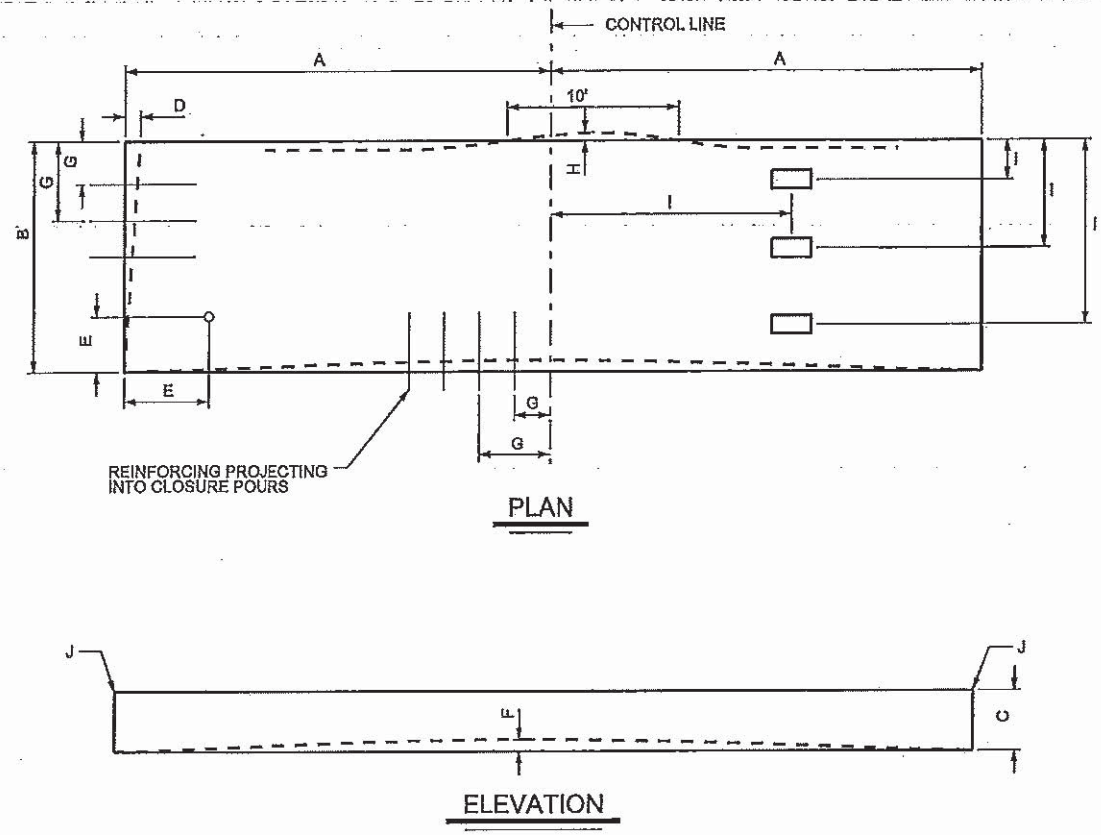
INFORMATION PER UPRR GRADE SEPARATION PROJECTS. (PLAN NO. 711100 SHEET 2)

1. CENTERLINE OF THE BRIDGE AND/OR CENTERLINE OF PROJECT.
2. TRACK LAYOUT AND LIMITS OF RAILROAD RIGHT-OF-WAY WITH RESPECT TO CENTERLINE OF MAIN LINES.
3. FUTURE TRACKS, ACCESS ROADWAY AND EXISTING TRACKS AS MAIN LINE, SIDING, SPUR, ECT.
4. POINT OF MINIMUM VERTICAL CLEARANCE AND DISTANCE, MEASURED PERPENDICULAR, FROM THE CENTERLINE OF NEAREST TRACK.
5. HORIZONTAL CLEARANCE AT RIGHT ANGLE FROM CENTERLINE OF NEAREST EXISTING OR FUTURE TRACK TO THE FACE OF OBSTRUCTION SUCH AS SUBSTRUCTURE ABOVE GRADE.
6. HORIZONTAL CLEARANCE AT RIGHT ANGLE FROM CENTERLINE OF NEAREST EXISTING OR FUTURE TRACK TO THE FACE OF NEAREST FOUNDATION BELOW GRADE.
7. HORIZONTAL SPACING AT RIGHT ANGLE BETWEEN CENTERLINES OF EXISTING AND/OR FUTURE TRACKS.
8. LIMITS OF SHORING AND MINIMUM DISTANCE AT RIGHT ANGLE FROM CENTERLINE OF NEAREST TRACK.
9. ALL EXISTING FACILITIES AND UTILITIES AND THEIR PROPOSED RELOCATION, IF REQUIRED.
10. TOE OF SLOPE AND/OR LIMIT OF RETAINING WALL.
11. EXISTING AND PROPOSED CONTOURS.
12. RAILROAD MILEPOST AND DIRECTION OF INCREASING MILEPOST.
13. DIRECTION OF FLOW FOR ALL DRAINAGE SYSTEMS WITHIN PROJECT LIMITS.
14. LIMITS OF BARRIER RAIL AND FENCE WITH RESPECT TO CENTERLINE OF TRACK.
15. DEPTH OF FOUNDATION BELOW BOTTOM OF TIE.
16. TOP AND BOTTOM OF PIER PROTECTION WALL ELEVATION RELATIVE TO TOP OF RAIL ELEVATION.
17. CONTROLLING DIMENSIONS OF DRAINAGE DITCHES AND/OR DRAINAGE STRUCTURES.
18. TOP OF RAIL ELEVATIONS FOR ALL TRACKS.
19. MINIMUM PERMANENT VERTICAL CLEARANCE ABOVE TOP OF HIGH RAIL TO THE LOWEST POINT UNDER THE BRIDGE.
20. EXISTING AND PROPOSED GROUNDLINE AND ROADWAY PROFILE.
21. TYPE OF SLOPE PAVING.
22. LOCATION OF DECK DRAINS.
23. TOTAL WIDTH OF SUPERSTRUCTURE.
24. WIDTH OF SHOULDER AND/OR SIDEWALK.



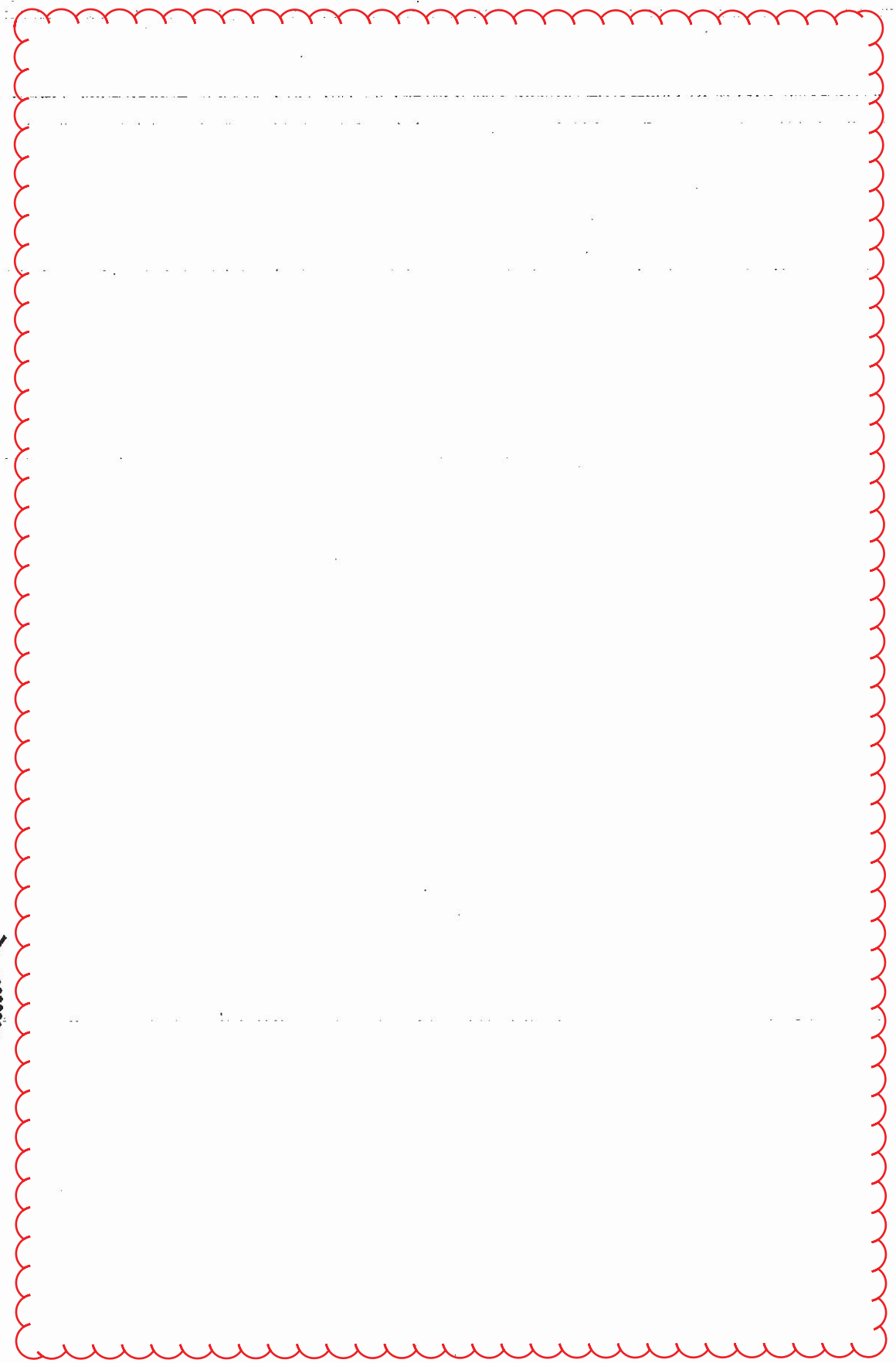
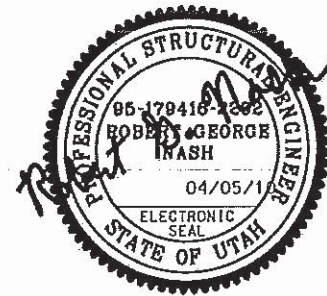
UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PROJECT NUMBER	
RAILROAD REQUIREMENTS		F-184-6(97)108	
MORGAN COUNTY		PIN 6560	
F-114R		DRG. NO.	
SHT. 4		OF 54	
NO.	DATE	BY	REVISION REMARKS
APPROVAL RECOMM.	04/05/10	DATE	DESIGN RGN 12/09
APPROVED FOR USE	04/05/10	DATE	DRAWN MPP 12/09
BY UDOT			QUANT. MPP 12/09
			CHECK DD 3/10
			CHECK DD 3/10
			CHECK DD 3/10

DON: F:\1st TP - PMP\1723\18566_F114-24A_Deck Tol.dgn 07-SEP-2010

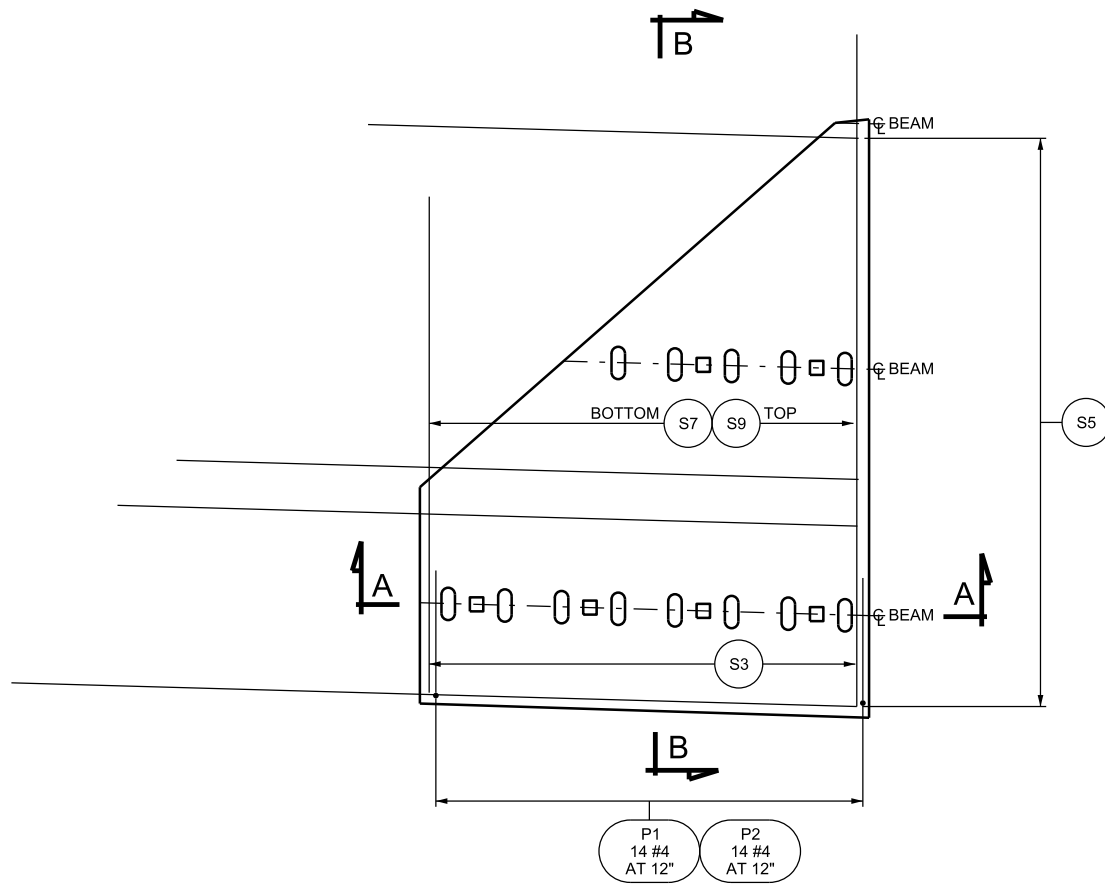


DECK PANEL TOLERANCES

A	LENGTH MEASURED FROM CONTROL LINE	± 3/16"
B	WIDTH (OVERALL)	± 1/4"
C	DEPTH (OVERALL)	± 3/16"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	± 1/4"
E	LOCATION OF LEVELING BOLTS	± 1"
F	SWEEP OVER MEMBER LENGTH:	± 3/8"
G	LOCATION OF PROJECTING REINFORCING MEASURED FROM A COMMON REFERENCE POINT	± 1/2"
H	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/8" IN 10 FEET
I	LOCATION OF BLOCKOUT FOR SHEAR CONNECTORS	± 1/2"
J	ERECTION ELEVATION TOLERANCE	± 1/8"

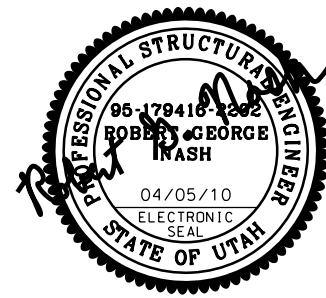


UTAH DEPARTMENT OF TRANSPORTATION		REMOVED SECTION AND TABLE	
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		NO. 1	DATE 9/17/10
I-84 OVER U.P.R.R.	DECK PANEL TOLERANCES	BY <i>Robert G. Trash</i>	REVISION REBAR
		DESIGN RGN 3/10	CHECK
		DRAWN: MPP 3/10	CHECK
		QUANT. MPP 3/10	CHECK
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY			
F-114R			
DRG. NO.			
SHT. 4A		OF 54	



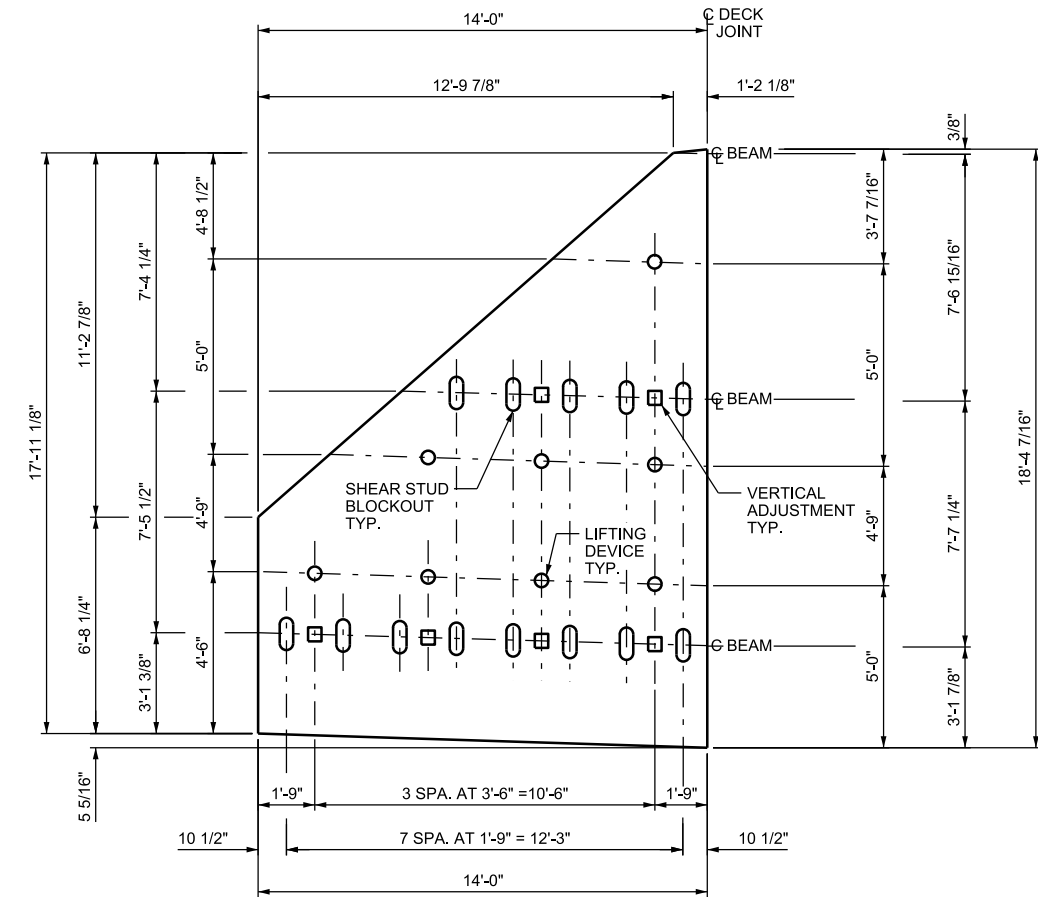
PANEL P1 PLAN

MOVE BARS TO CLEAR OBSTRUCTIONS



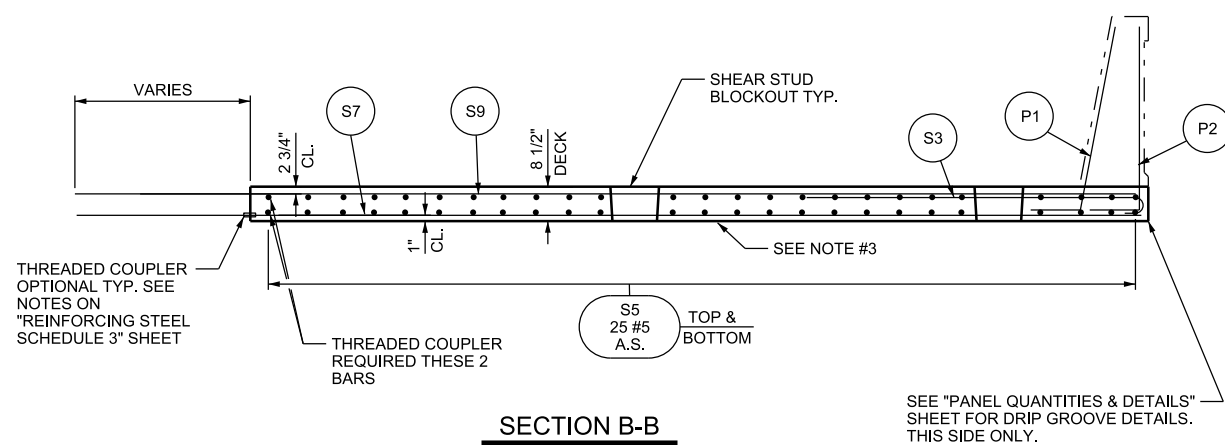
NOTES:

1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



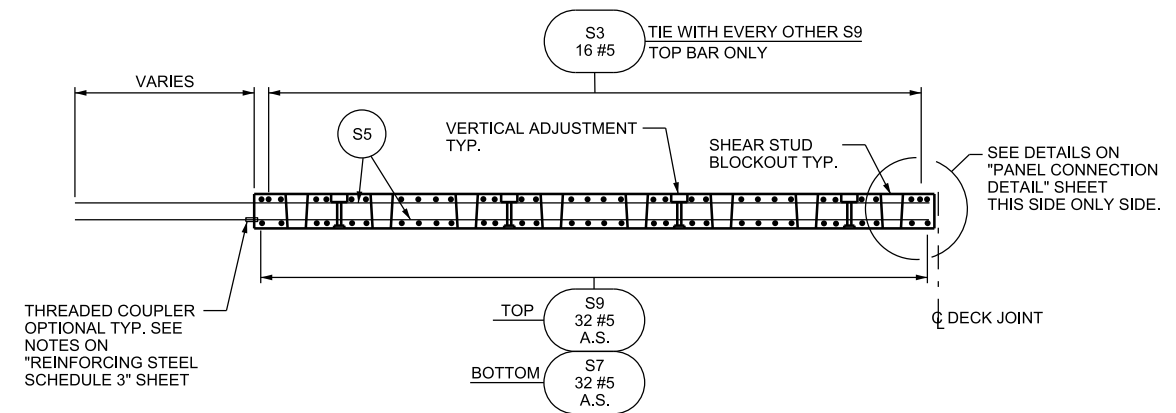
PANEL P1 PLAN

DIMENSIONS ALONG EDGE OF PANEL EXCEPT AS SHOWN.



SECTION B-B

SEE "PANEL QUANTITIES & DETAILS" SHEET FOR DRIP GROOVE DETAILS. THIS SIDE ONLY.



SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS

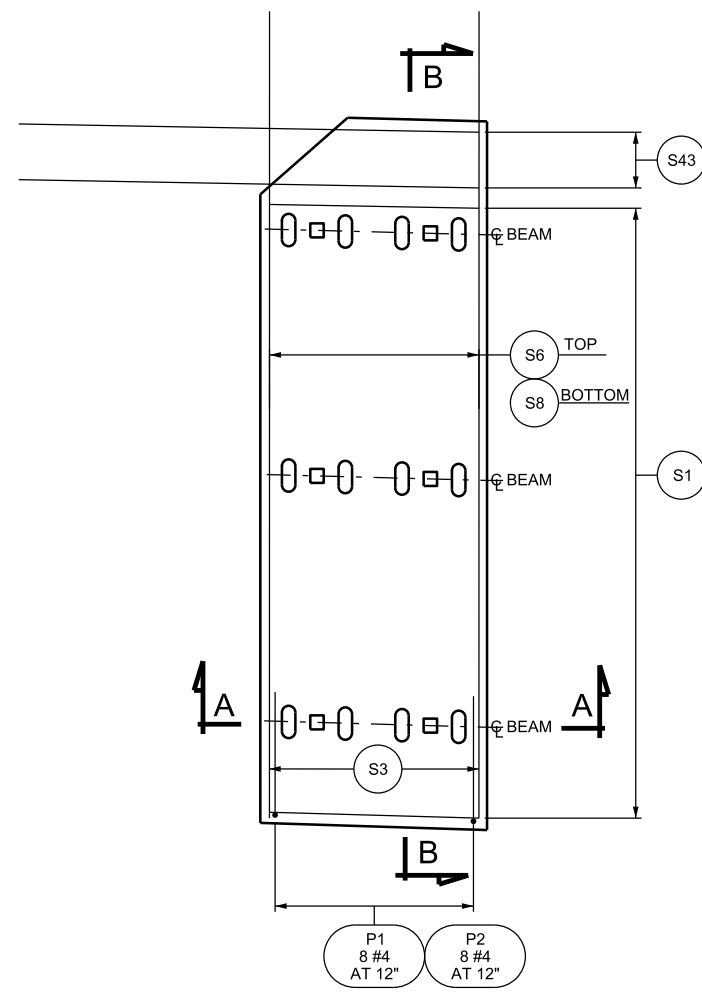
NO.	DATE	BY	REVISION REMARKS
DESIGN	12/09	RG	CHECK DD 3/10
DRAWN	12/09	MPP	CHECK DD 3/10
QUANT.	12/09	MPP	CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

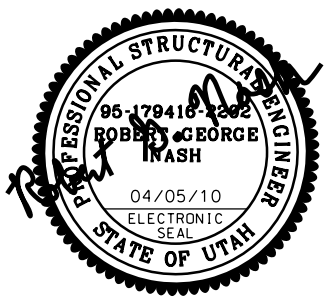
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
 I-84 OVER U.P.R.R.
 PRECAST DECK PANEL P1
 PROJECT NUMBER F-184-6(97)108
 PIN 6560

MORGAN COUNTY
 F-114R
 DRG. NO.

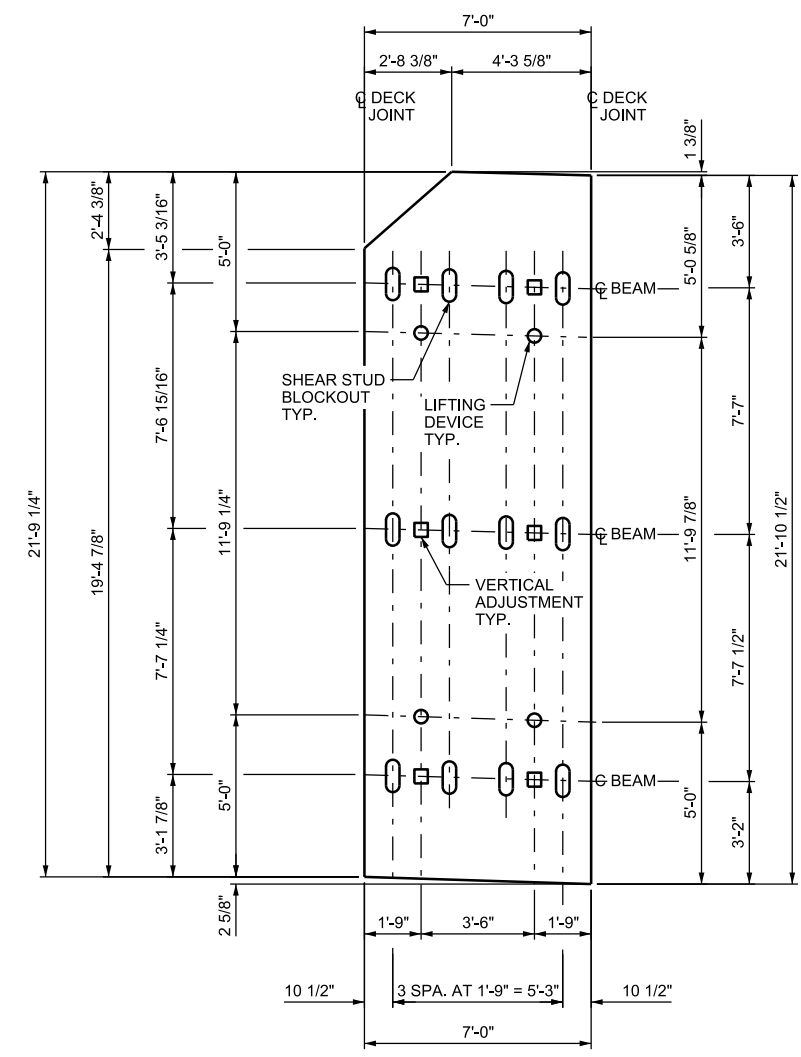
06-APR-2010 D:\A\Files\IP_P\IP\Items\1723\6560_F114_05_P1P-panel.dgn



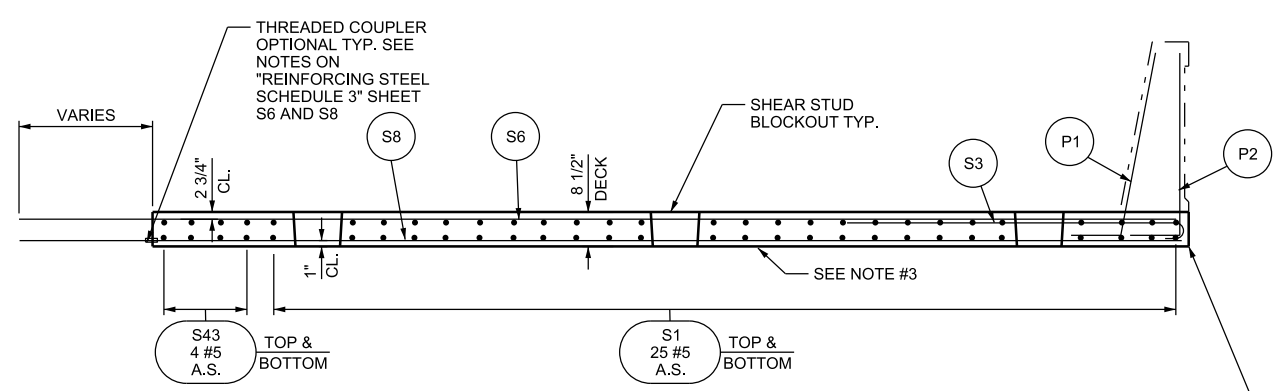
PANEL P1A PLAN
MOVE BARS TO CLEAR OBSTRUCTIONS



- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.

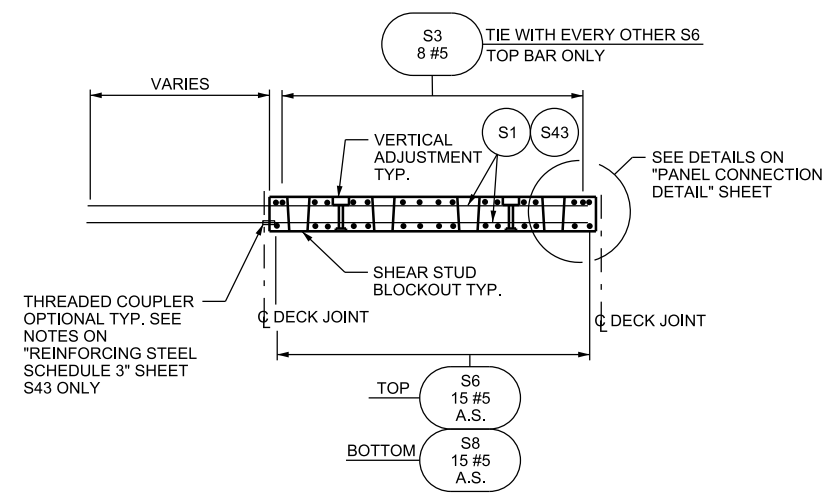


PANEL P1A PLAN
DIMENSIONS ALONG EDGE OF PANEL EXCEPT AS SHOWN.



SECTION B-B

SEE "PANEL QUANTITIES & DETAILS" SHEET FOR DRIP GROOVE DETAILS. THIS SIDE ONLY.



SECTION A-A

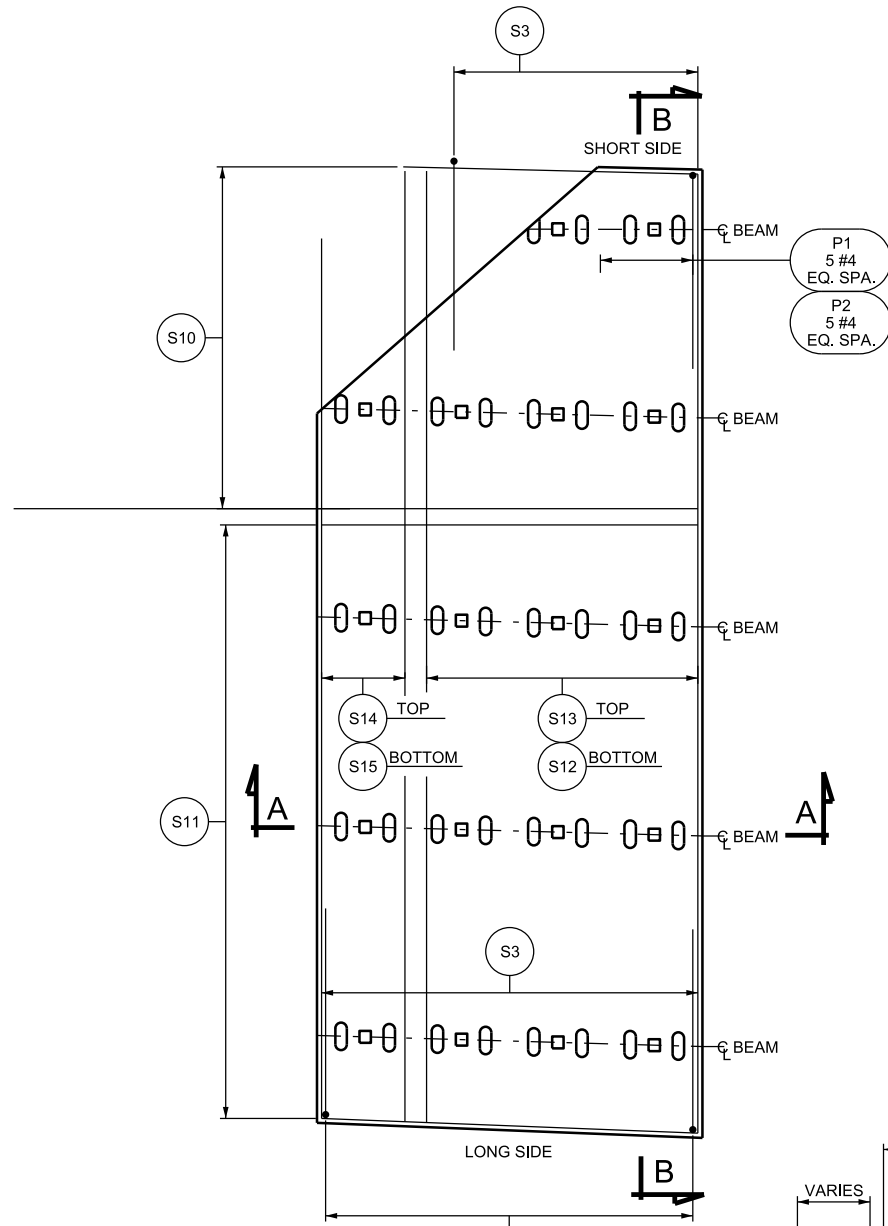
MOVE BARS TO CLEAR OBSTRUCTIONS

NO.	DATE	BY	REVISION REMARKS
DESIGN	2/10	DD	3/10
DRAWN	2/10	DD	3/10
QUANT.	2/10	DD	3/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
PRECAST DECK PANEL P1A
PROJECT NUMBER: F-184-6(97)108
PIN: 6560

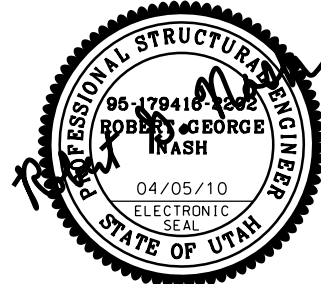
MORGAN COUNTY
F-114R
DRG. NO.
SHT. 5A OF 54



PANEL P2 PLAN

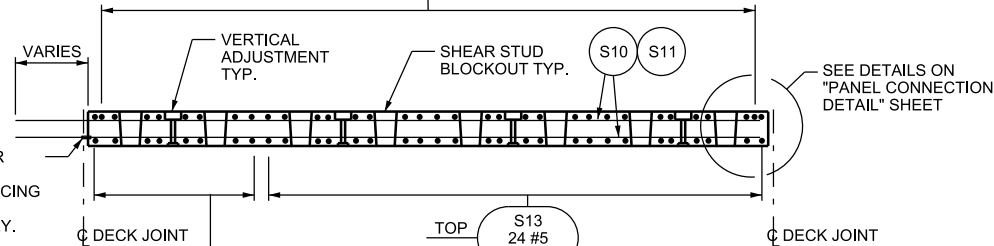
MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



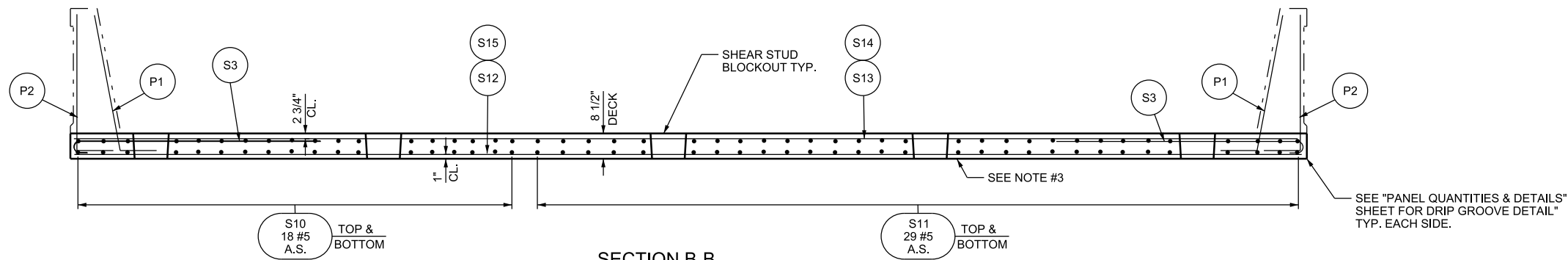
- S3 11 #5 TIE WITH EVERY OTHER S13 OR EVERY OTHER S14 TOP BAR ONLY SHORT SIDE
- S3 16 #5 TIE WITH EVERY OTHER S13 OR EVERY OTHER S14 TOP BAR ONLY LONG SIDE

THREADED COUPLER OPTIONAL TYP. SEE NOTES ON "REINFORCING STEEL SCHEDULE 3" SHEET. FOR S10 ONLY.

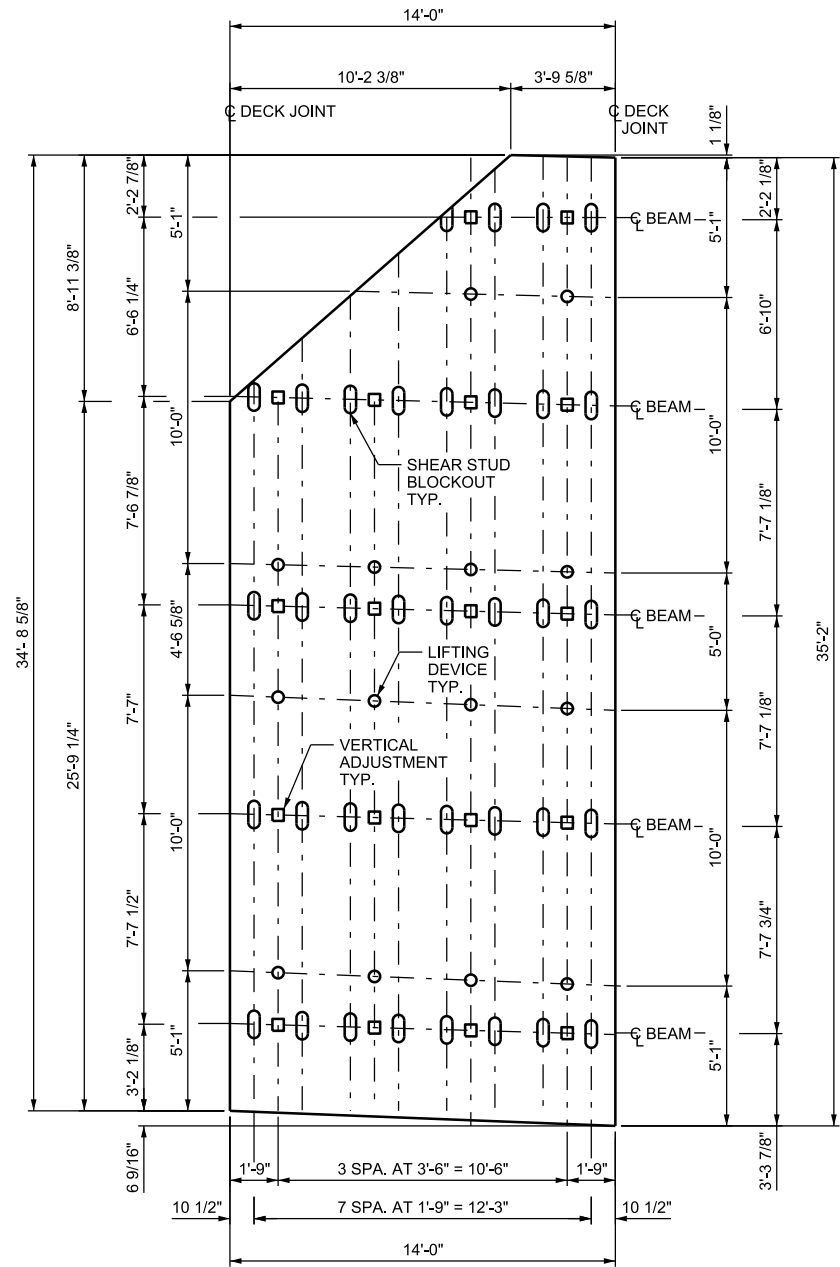


SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS



SECTION B-B



PANEL P2 PLAN

DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.

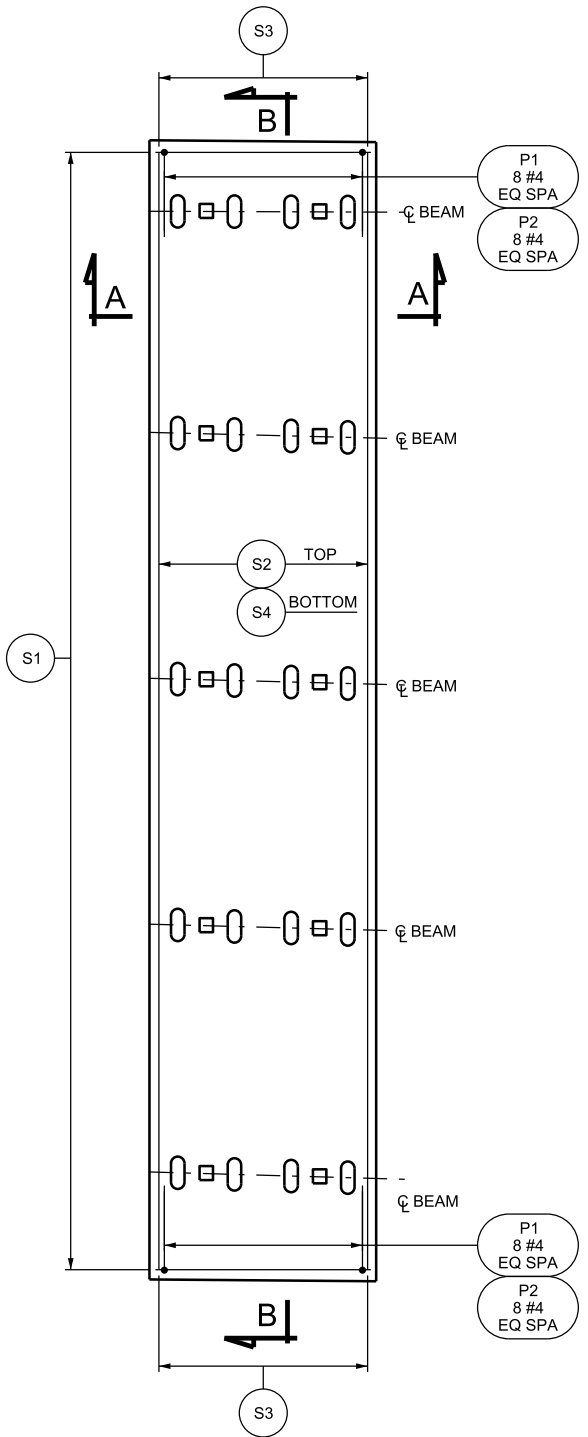
NO.	DATE	BY	REVISION REMARKS
DESIGN	12/09	RG	CHECK DD 3/10
DRAWN	12/09	MPP	CHECK DD 3/10
QUANT.	12/09	MPP	CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
 I-84 OVER U.P.R.R.
 PRECAST DECK PANEL P2
 PROJECT NUMBER F-184-6(97)108
 PIN 6560

MORGAN COUNTY
 F-114R
 DRG. NO.

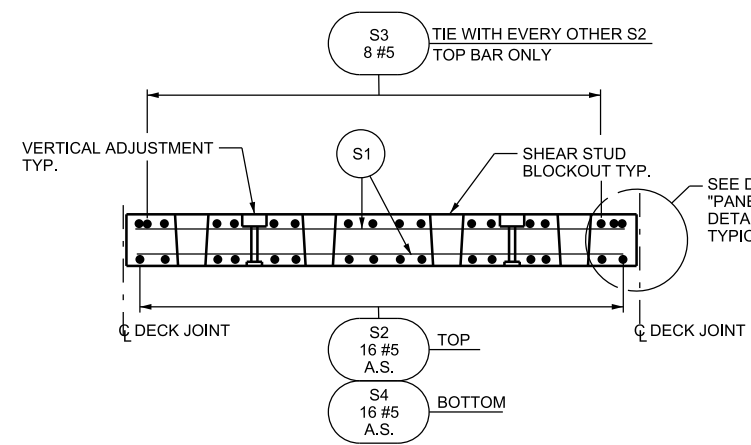
05-APR-2010 D:\F:\Ips\IP_P\Projects\1723\6560_F114_06_P2Panel.dgn



PANEL P3A THRU P3F PLAN

NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

PANEL	P3A	P3B	P3C	P3D	P3E	P3F
A	3'-3 3/4"	3'-2 1/16"	3'-0 5/16"	2'-10 5/8"	2'-8 7/8"	2'-7 1/8"
B	7'-7 13/16"	7'-8"	7'-8 1/8"	7'-8 1/4"	7'-8 1/2"	7'-8 11/16"
C	7'-7 1/8"	7'-7 1/8"	7'-7 3/16"	7'-7 1/4"	7'-7 1/4"	7'-7 5/16"
D	7'-7 1/8"	7'-7 3/16"	7'-7 5/16"	7'-7 3/8"	7'-7 1/2"	7'-7 9/16"
E	6'-10 1/16"	7'-0"	7'-1 7/8"	7'-3 3/4"	7'-5 5/8"	7'-7 9/16"
F	2'-2 1/8"	2'-1 5/8"	2'-1 3/16"	2'-0 3/4"	2'-0 1/4"	1'-11 3/4"
G	3'-2 1/16"	3'-0 5/16"	2'-10 5/8"	2'-8 7/8"	2'-7 1/8"	2'-7 7/8"
H	7'-8"	7'-8 1/8"	7'-8 1/4"	7'-8 1/2"	7'-8 11/16"	7'-6 3/8"
J	7'-7 1/8"	7'-7 3/16"	7'-7 1/4"	7'-7 1/4"	7'-7 5/16"	7'-7 3/8"
K	7'-7 3/16"	7'-7 5/16"	7'-7 3/8"	7'-7 1/2"	7'-7 9/16"	7'-7 5/8"
L	7'-0"	7'-1 7/8"	7'-3 3/4"	7'-5 5/8"	7'-7 9/16"	7'-9 7/16"
M	2'-1 5/8"	2'-1 3/16"	2'-0 3/4"	2'-0 1/4"	1'-11 3/4"	1'-11 5/16"

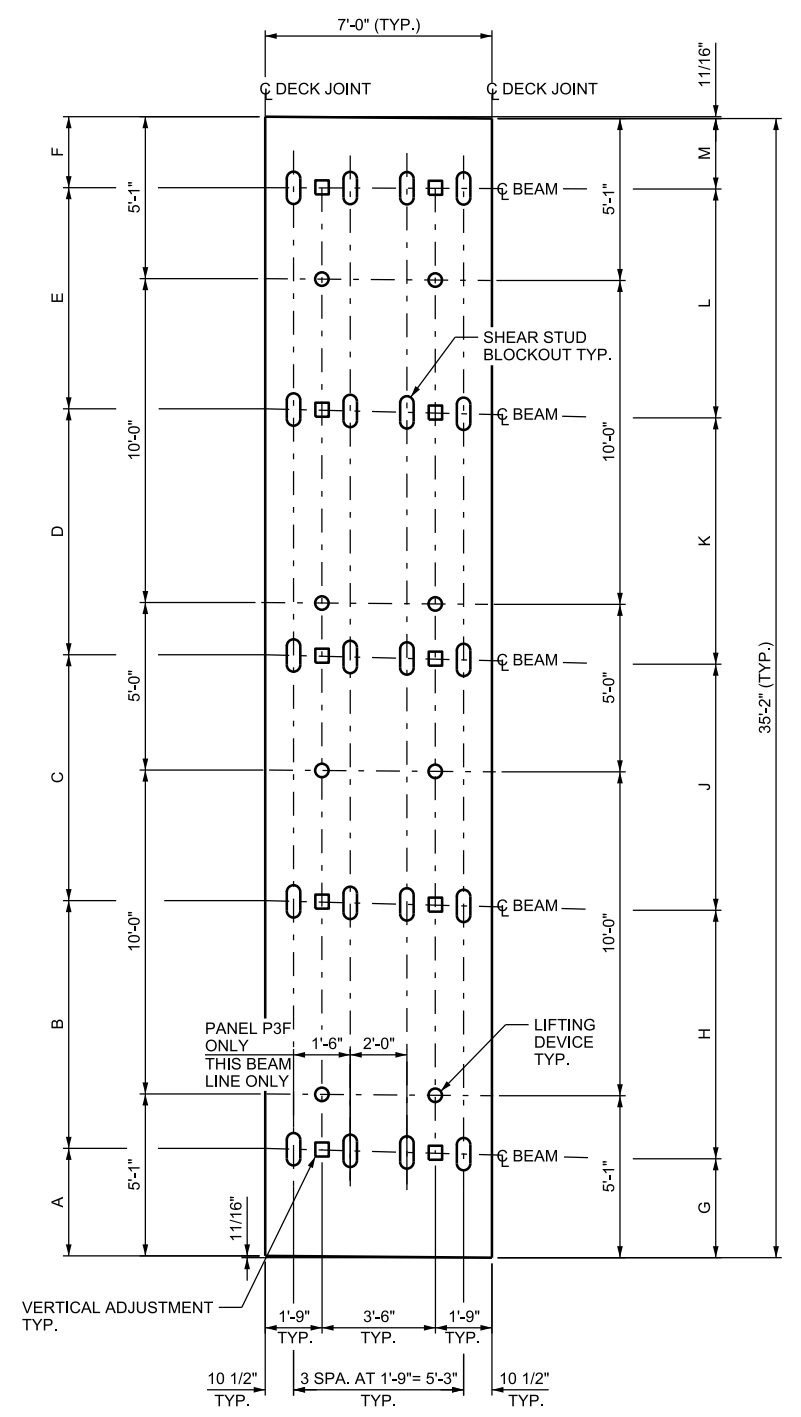
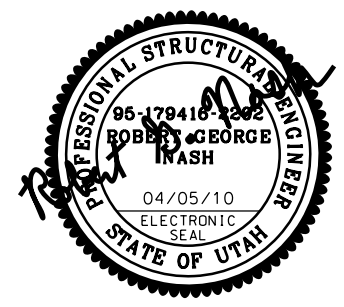


SECTION A-A

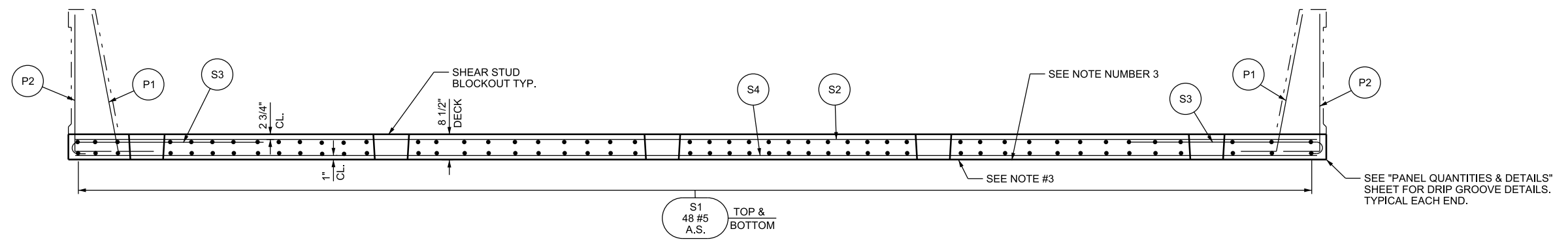
MOVE BARS TO CLEAR OBSTRUCTIONS

NOTES:

- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
- SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
- ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



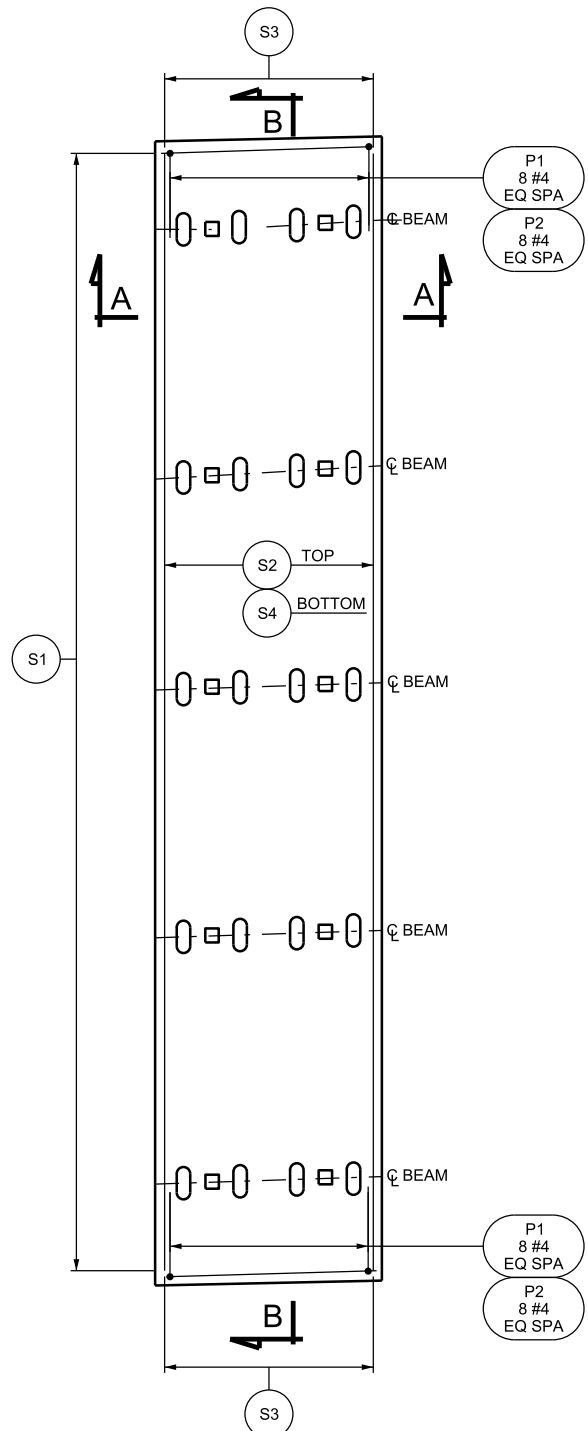
PANEL P3A THRU P3F PLAN



SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.		PRECAST DECK PANEL P3A THRU P3F		PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R		DRG. NO.		SHT. 7		OF 54		REVISION REMARKS	
NO.	DATE	BY	DESIGN RGN	CHECK DD	DESIGN RGN	CHECK DD	DESIGN RGN	CHECK DD	DESIGN RGN	CHECK DD	DESIGN RGN
APPROVAL	RECOMM.	DATE	APPROVED FOR USE	DATE	APPROVED FOR USE	DATE	APPROVED FOR USE	DATE	APPROVED FOR USE	DATE	APPROVED FOR USE
			Robert G. Inash	04/05/10	Robert G. Inash	04/05/10	Robert G. Inash	04/05/10	Robert G. Inash	04/05/10	Robert G. Inash
			SENIOR DESIGN ENGR.		SENIOR DESIGN ENGR.		SENIOR DESIGN ENGR.		SENIOR DESIGN ENGR.		SENIOR DESIGN ENGR.

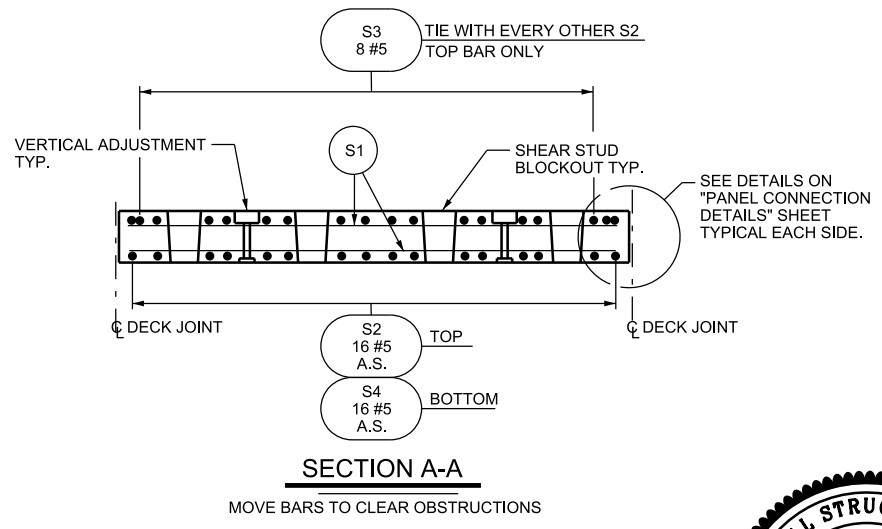
05-APR-2010 D:\F:\Ips\IP\Projects\1723\6560-F114-07-P3F-panel.dgn



PANEL P4A THRU P4F PLAN

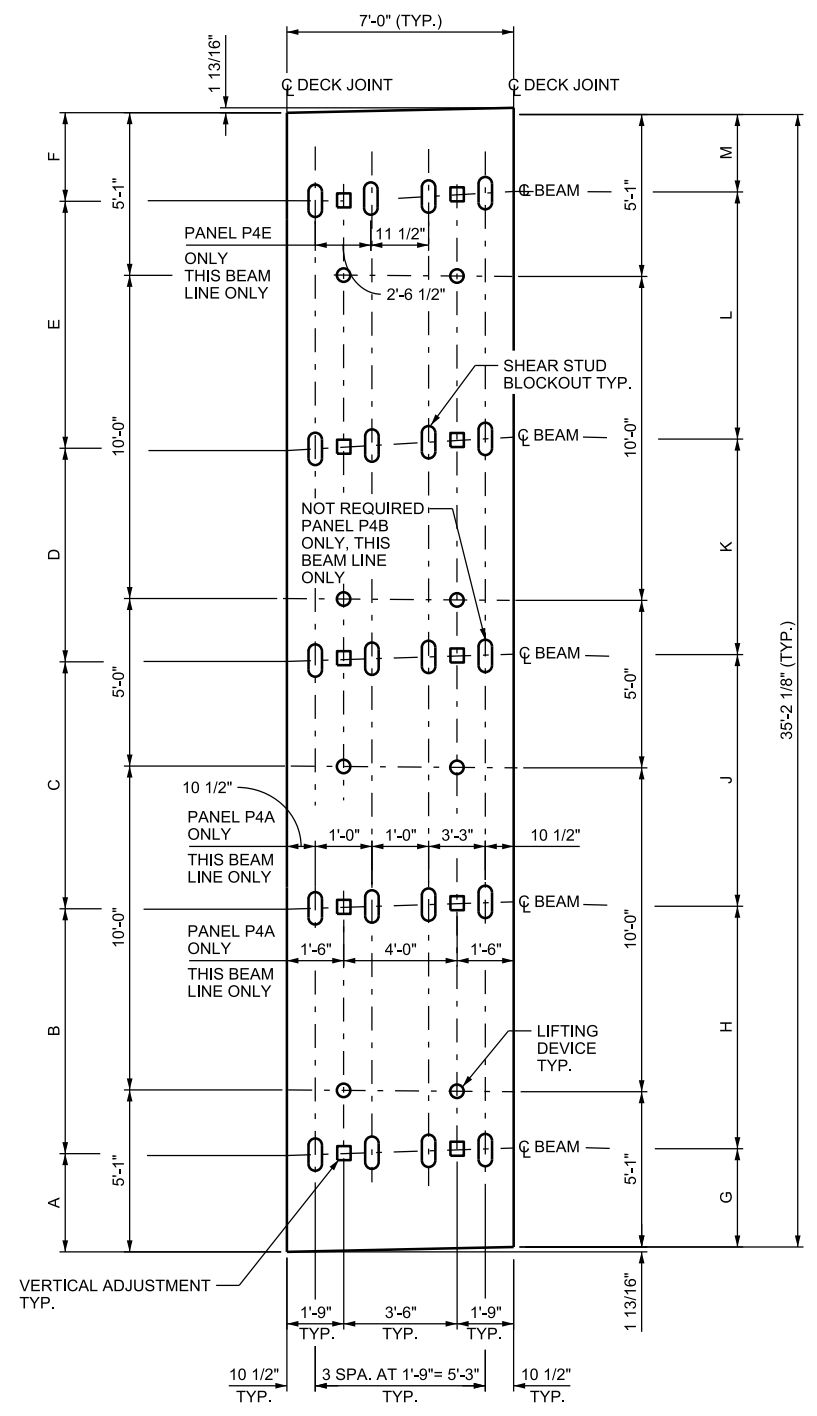
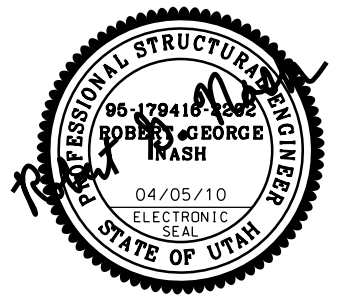
NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

PANEL	P4A	P4B	P4C	P4D	P4E	P4F
A	2'-7 15/16"	2'-8 15/16"	2'-9 7/8"	2'-10 3/4"	2'-11 11/16"	3'-0 11/16"
B	7'-6 3/8"	7'-7 7/16"	7'-7 3/8"	7'-7 5/16"	7'-7 1/4"	7'-7 3/16"
C	7'-7 3/8"	7'-1 1/4"	7'-7 7/8"	7'-7 13/16"	7'-7 13/16"	7'-7 3/4"
D	7'-7 11/16"	7'-7 3/4"	6'-8 3/8"	6'-3 5/8"	6'-6 1/8"	6'-8 3/8"
E	7'-9 7/16"	7'-11 3/8"	8'-1 1/4"	8'-3 1/8"	7'-9 3/4"	7'-7"
F	1'-11 5/16"	2'-1 3/8"	2'-3 3/8"	2'-5 1/2"	2'-7 1/2"	2'-7 1/8"
G	2'-8 15/16"	2'-9 7/8"	2'-10 3/4"	2'-11 11/16"	3'-0 11/16"	3'-1 5/8"
H	7'-7 7/16"	7'-7 3/8"	7'-7 5/16"	7'-7 1/4"	7'-7 3/16"	7'-7 1/8"
J	7'-1 1/4"	7'-7 7/8"	7'-7 13/16"	7'-7 13/16"	7'-7 3/4"	7'-7 11/16"
K	7'-7 3/4"	6'-8 3/8"	6'-3 5/8"	6'-6 1/8"	6'-8 3/8"	6'-10 5/8"
L	7'-11 3/8"	8'-1 1/4"	8'-3 1/8"	7'-9 3/4"	7'-7"	7'-7 1/16"
M	2'-1 3/8"	2'-3 3/8"	2'-5 1/2"	2'-7 1/2"	2'-7 1/8"	2'-4"

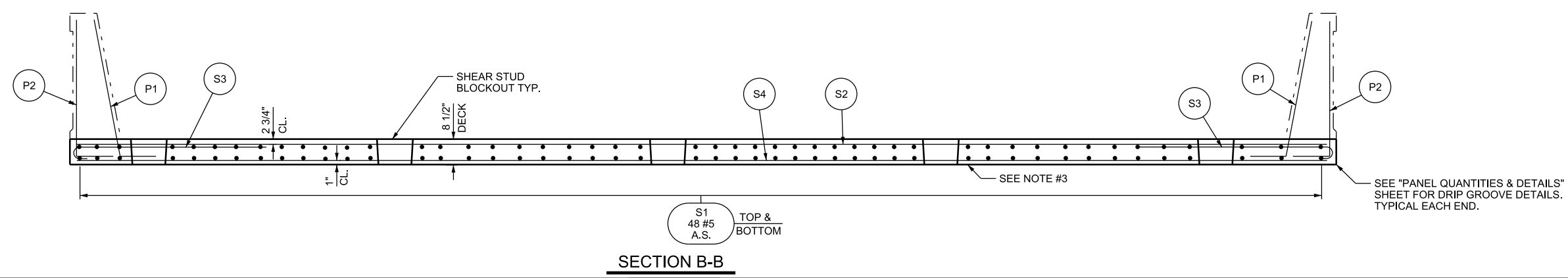


SECTION A-A

- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



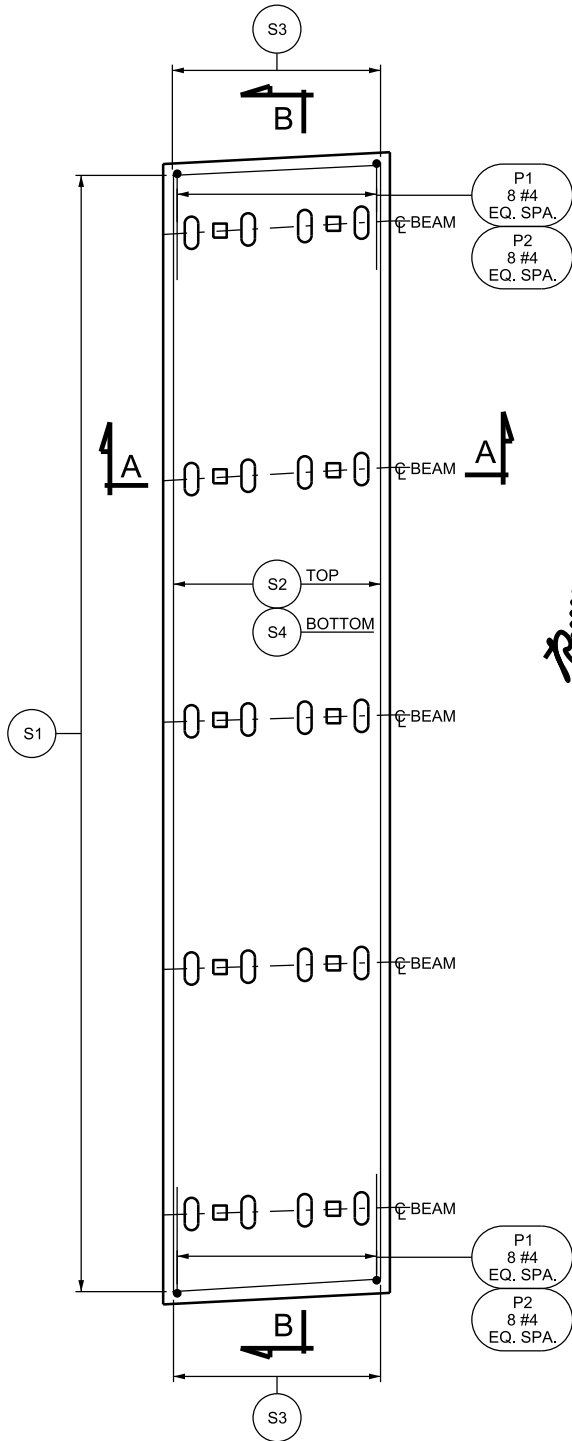
PANEL P4A THRU P4F PLAN



SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.		PRECAST DECK PANEL P4A THRU P4F		PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R		DRG. NO.		SHT. 8		OF 54		REVISION REMARKS	
APPROVAL	RECOMM.	DATE	BY	DESIGN	RGN	DATE	BY	CHECK	DD	DATE	BY
		04/05/10	Robert D. Inash			12/09				12/09	
APPROVED FOR USE	FOR UDOT	DATE	BY	QUANT.	MPP	DATE	BY	CHECK	DD	DATE	BY
		04/05/10	Robert D. Inash			12/09				12/09	

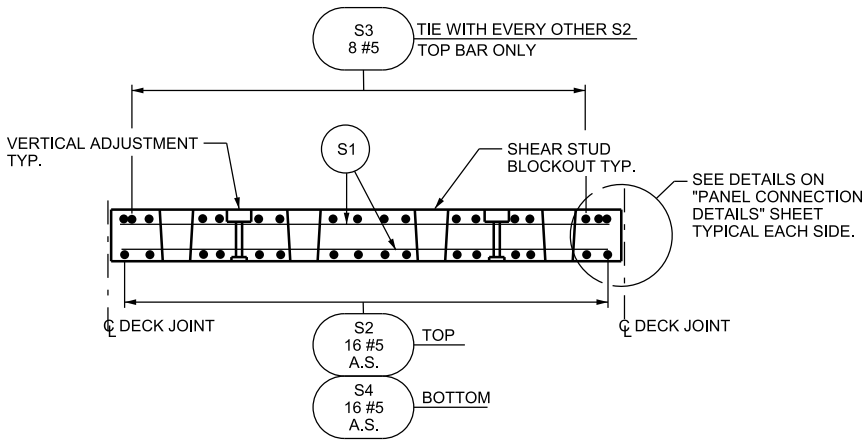
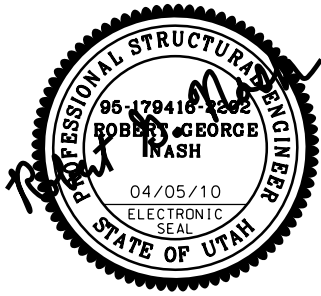
05-APR-2010 D:\F:\Ips\IP_P\W\Items\1723\6560-F114-08-P4Panel.dgn



PANEL P5A THRU P5F PLAN

NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

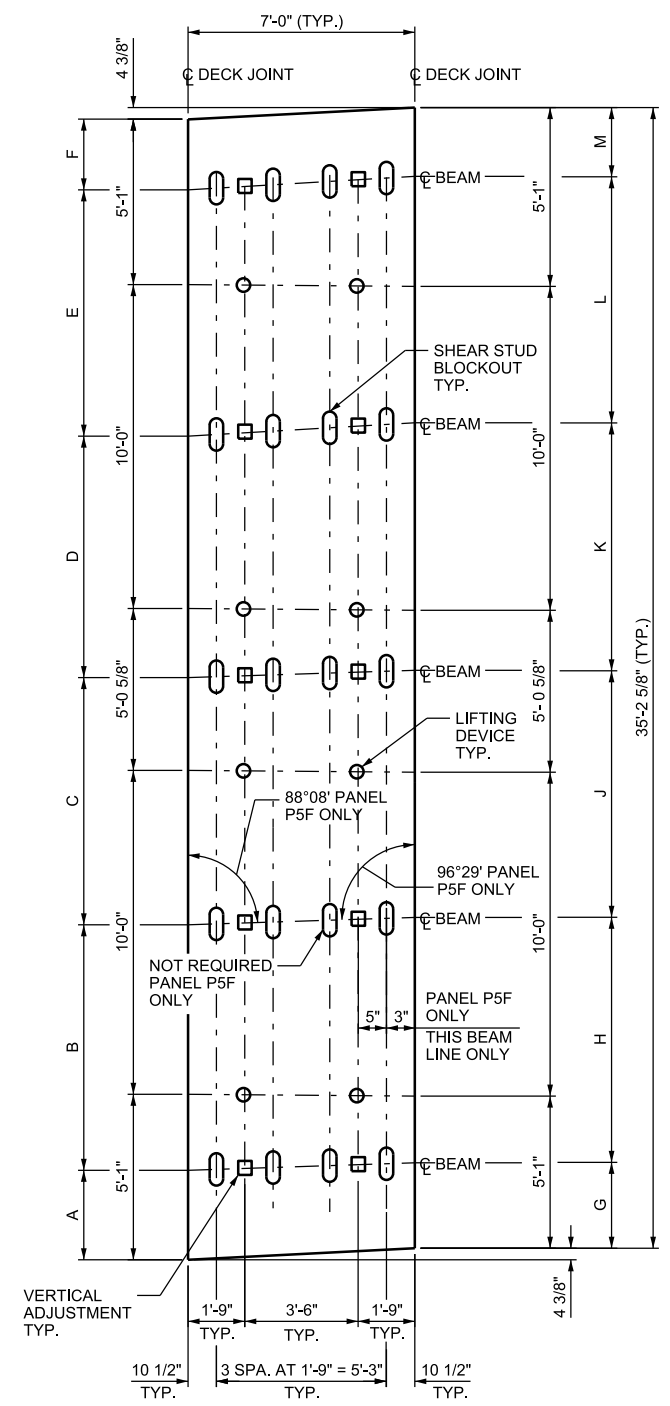
PANEL	P5A	P5B	P5C	P5D	P5E	P5F
A	3'-1 15/16"	3'-0 7/16"	2'-10 7/8"	2'-9 1/4"	2'-7 5/8"	2'-9 7/8"
B	7'-7 1/8"	7'-7 1/16"	7'-7"	7'-6 15/16"	7'-6 7/8"	7'-3"
C	7'-7 11/16"	7'-7 11/16"	7'-7 5/8"	7'-7 5/8"	7'-7 9/16"	7'-7 1/2"
D	6'-10 5/8"	7'-0 15/16"	7'-3 3/16"	7'-5 7/16"	7'-7 3/4"	7'-10"
E	7'-7 1/16"	7'-7 1/8"	7'-7 3/16"	7'-7 1/4"	7'-7 5/16"	7'-7 3/8"
F	2'-4 3/16"	2'-3 3/8"	2'-2 3/4"	2'-2 1/8"	2'-1 1/2"	2'-0 7/8"
G	3'-0 7/16"	2'-10 7/8"	2'-9 1/4"	2'-7 5/8"	2'-9 7/8"	3'-0 1/2"
H	7'-7 1/16"	7'-7"	7'-6 15/16"	7'-6 7/8"	7'-3"	8'-8 7/8"
J	7'-7 11/16"	7'-7 5/8"	7'-7 5/8"	7'-7 9/16"	7'-7 1/2"	5'-9 5/16"
K	7'-0 15/16"	7'-3 3/16"	7'-5 7/16"	7'-7 3/4"	7'-10"	8'-0 1/4"
L	7'-7 1/8"	7'-7 3/16"	7'-7 1/4"	7'-7 5/16"	7'-7 3/8"	7'-7 3/8"
M	2'-3 3/8"	2'-2 3/4"	2'-2 1/8"	2'-1 1/2"	2'-0 7/8"	2'-0 5/16"



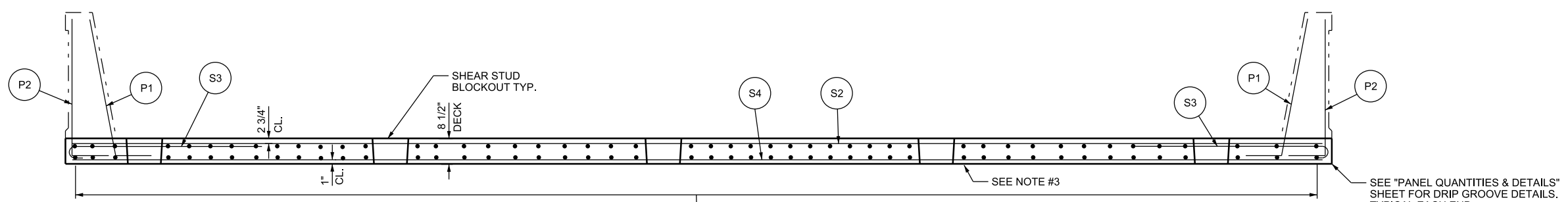
SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P5A THRU P5F PLAN

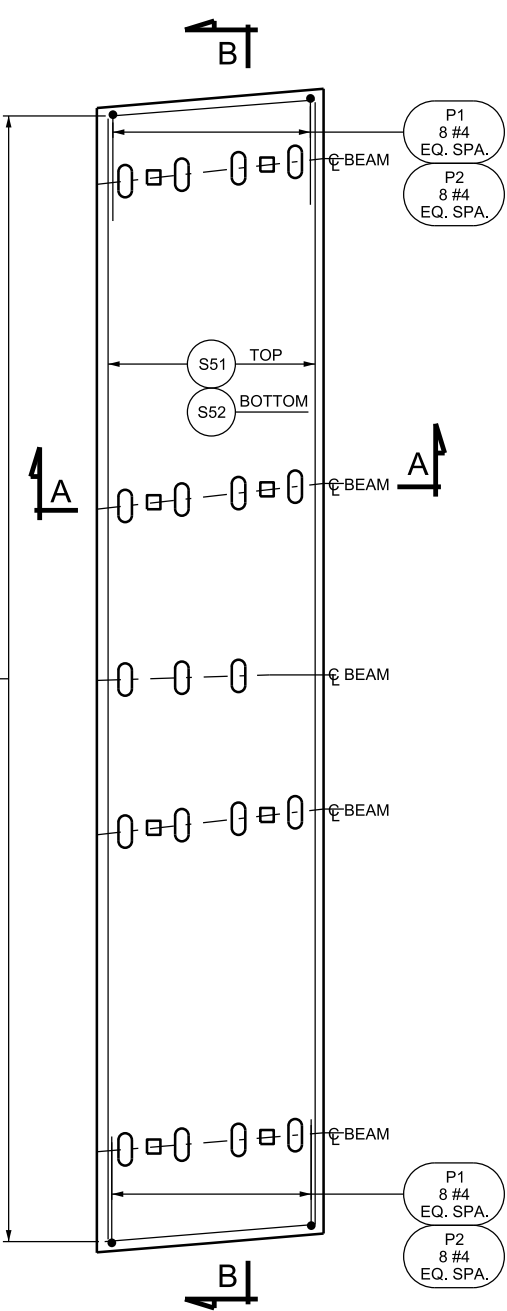


SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.	
PROJECT NUMBER F-184-6(97)108		PIN 6560		PRECAST DECK PANEL P5A THRU P5F	
MORGAN COUNTY		F-114R		DRG. NO.	
SHT. 9		OF 54		REVISION REMARKS	
NO.	DATE	BY	DESIGN RGN	CHECK DD	3/10
			12/09		
APPROVAL	RECOMM.	DATE	DATE	DATE	DATE
APPROVED FOR USE	BY UDOT	DATE	DATE	DATE	DATE

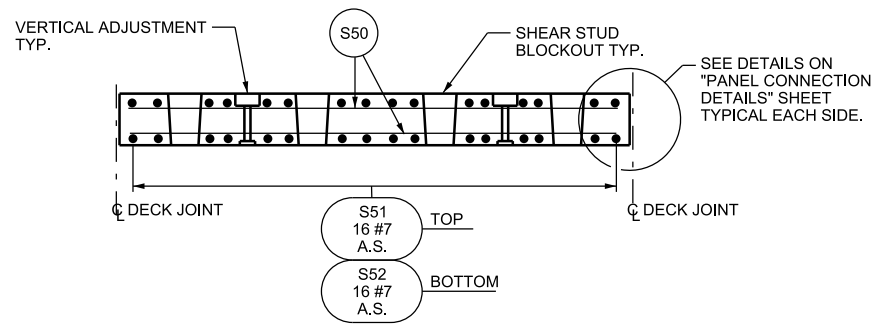
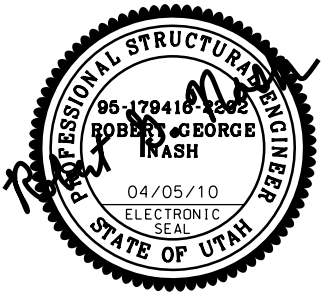
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DDA, F:\114-10-P6A\panel.dgn 05-APR-2010



PANEL P6A PLAN

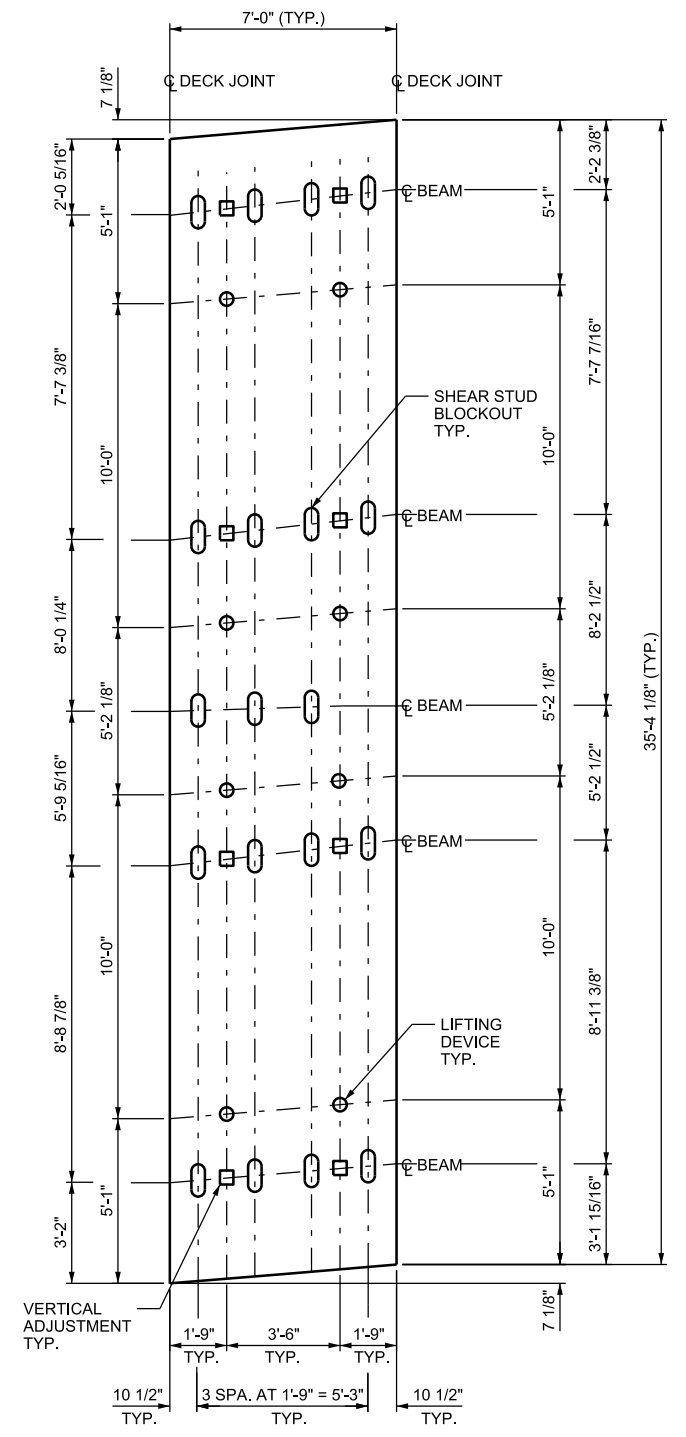
NOTE:
ALL DIMENSIONS SHOWN ARE ALONG EDGE OF PANEL.



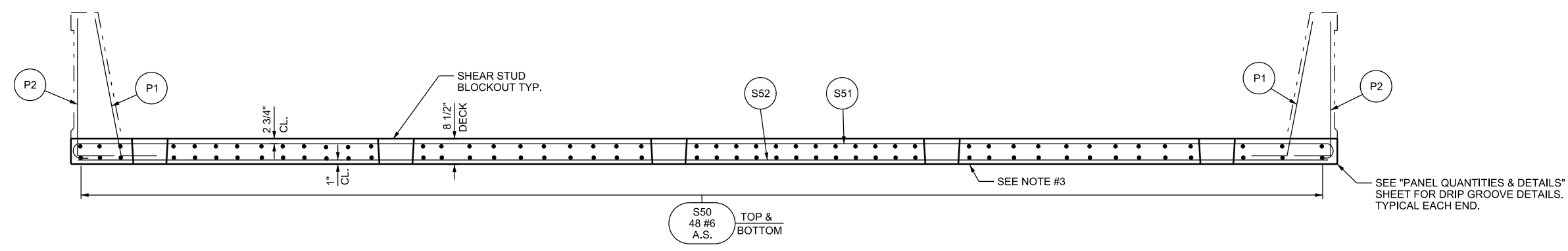
SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P6A PLAN

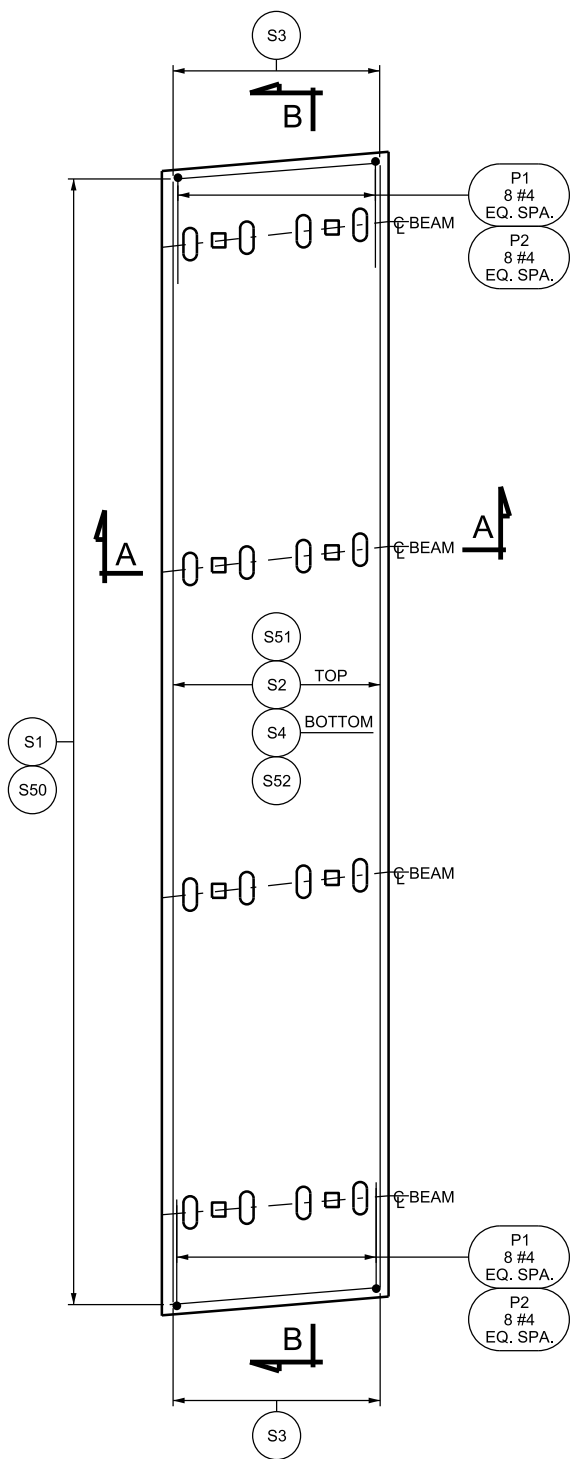


SECTION B-B

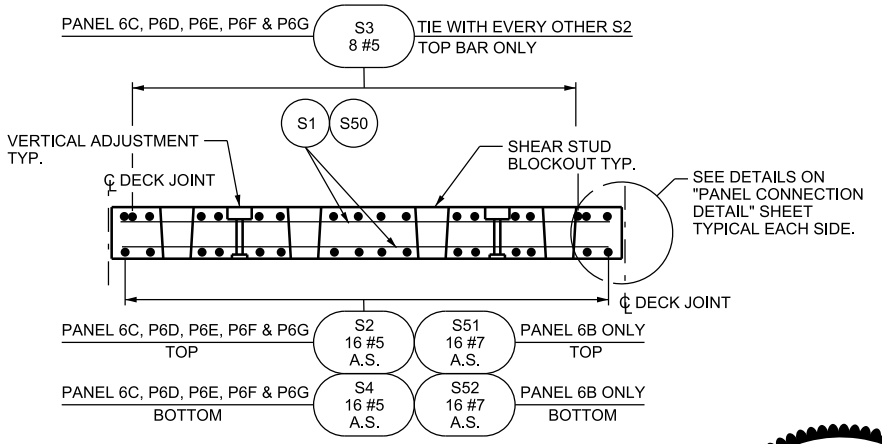
UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.		PRECAST DECK PANEL P6A		PROJECT NUMBER		F-184-6(97)108		PIN		6560					
MORGAN COUNTY		F-114R		DRG. NO.		SHT. 10		OF 54		REVISION REMARKS		DESIGN RGN		12/09		CHECK DD		3/10	
DRAWN MPP		DATE 04/05/10		BY R. Inash		APPROVAL RECOMM. 04/05/10		DATE 04/05/10		BY R. Inash		DESIGN RGN		12/09		CHECK DD		3/10	
QUANT. MPP		DATE 04/05/10		BY R. Inash		APPROVED FOR USE 04/05/10		DATE 04/05/10		BY R. Inash		DRAWN MPP		12/09		CHECK DD		3/10	
BY UDOT		DATE 04/05/10		BY UDOT		FOR USE 04/05/10		DATE 04/05/10		BY UDOT		QUANT. MPP		12/09		CHECK DD		3/10	

NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

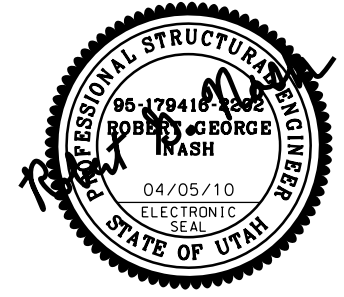
PANEL	P6B	P6C	P6D	P6E	P6F	P6G
A	3'-1 15/16"	3'-1 3/4"	3'-1 11/16"	3'-1 9/16"	3'-1 7/16"	3'-1 5/16"
B	8'-11 3/8"	9'-1 7/8"	9'-4 7/16"	9'-6 7/8"	9'-9 7/16"	9'-11 15/16"
C	13'-5"	10'-0 3/4"	10'-0 11/16"	10'-0 11/16"	10'-0 5/8"	10'-0 5/8"
D	7'-7 7/16"	10'-7 1/4"	10'-2 11/16"	10'-0 3/8"	10'-0 3/8"	10'-0 3/8"
E	2'-2 3/8"	2'-4 1/2"	2'-6 5/8"	2'-6 5/8"	2'-4 1/4"	2'-1 7/8"
F	3'-1 13/16"	3'-1 11/16"	3'-1 9/16"	3'-1 7/16"	3'-1 5/16"	3'-1 3/16"
G	9'-1 7/8"	9'-4 7/16"	9'-6 7/8"	9'-9 7/16"	9'-11 15/16"	10'-2 7/16"
H	13'-0 7/16"	10'-0 11/16"	10'-0 11/16"	10'-0 5/8"	10'-0 5/8"	10'-0 9/16"
J	7'-7 1/2"	10'-2 11/16"	10'-0 3/8"	10'-0 3/8"	10'-0 3/8"	10'-0 3/8"
K	2'-4 1/2"	2'-6 5/8"	2'-6 5/8"	2'-4 1/4"	2'-1 7/8"	1'-11 9/16"



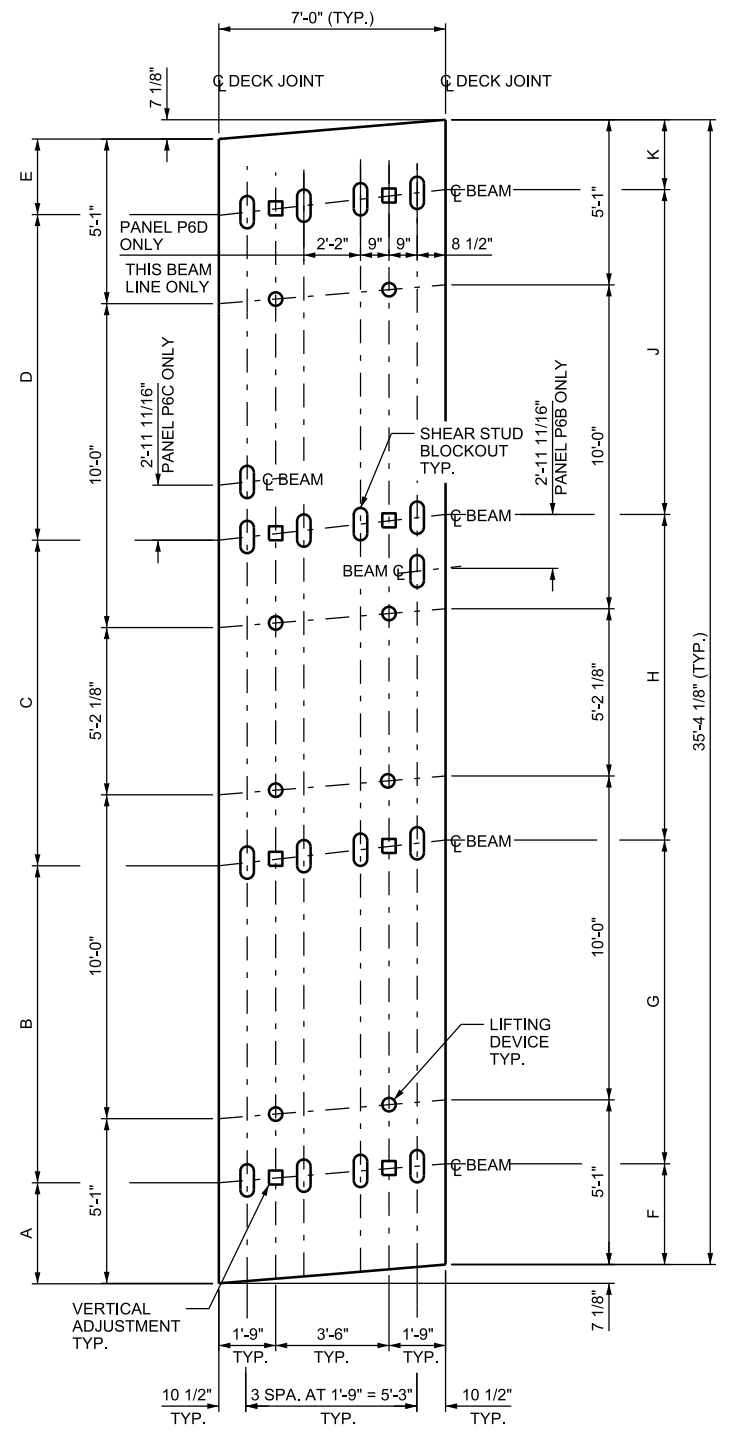
PANEL P6B THRU P6G PLAN



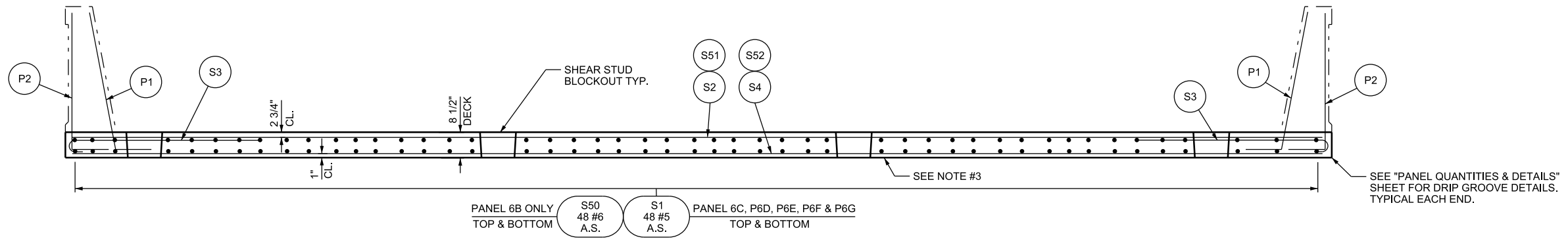
SECTION A-A
MOVE BARS TO CLEAR OBSTRUCTIONS



- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P6B THRU P6G PLAN

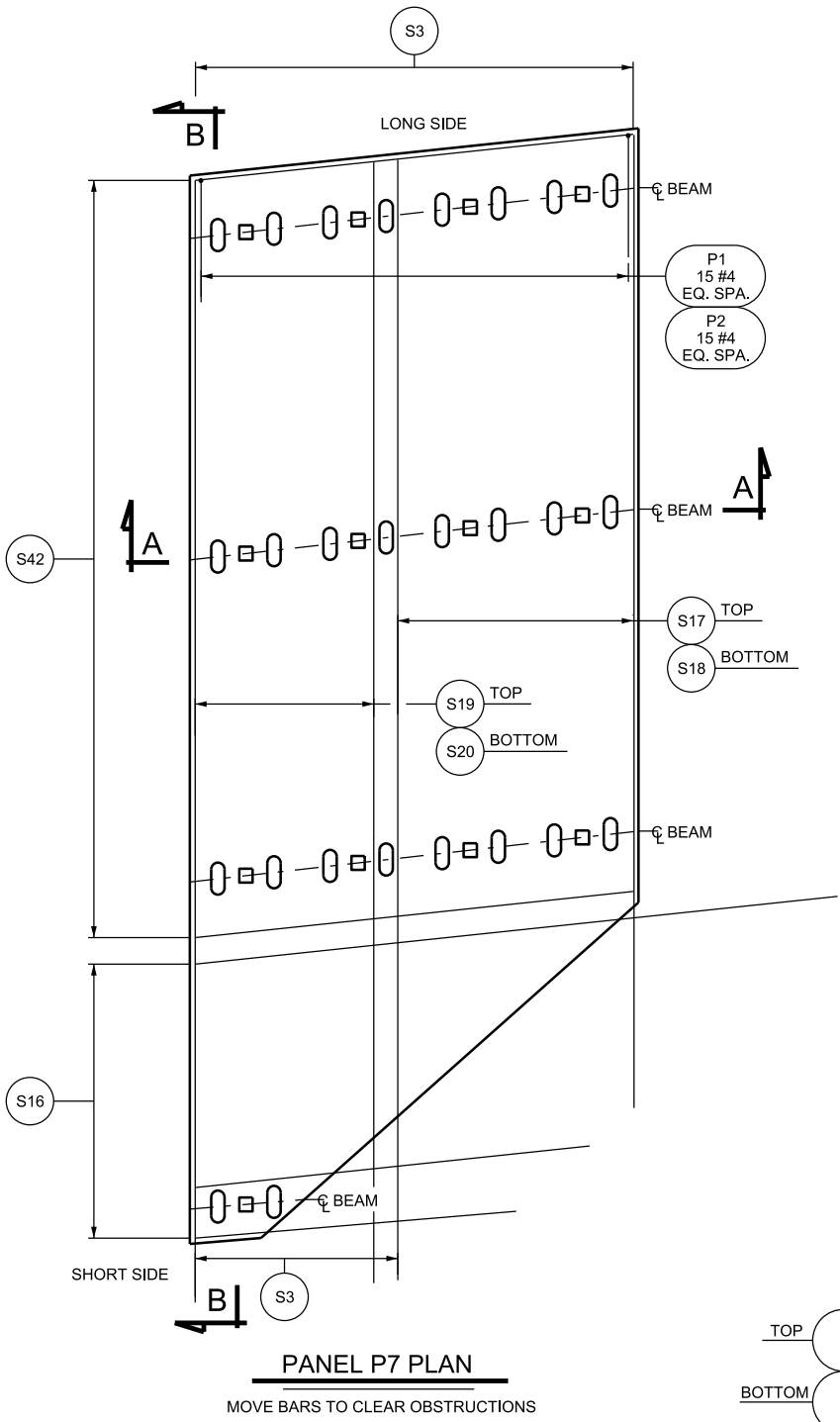


SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PRECAST DECK PANEL P6B THRU P6G	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		DRG. NO. F-114R	
SHT. 11		OF 54	

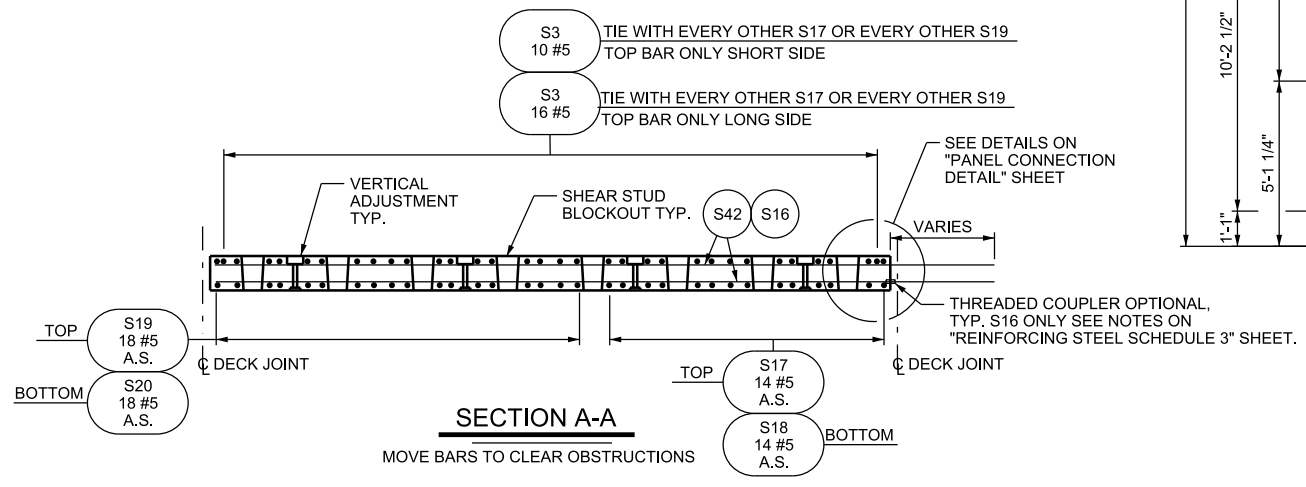
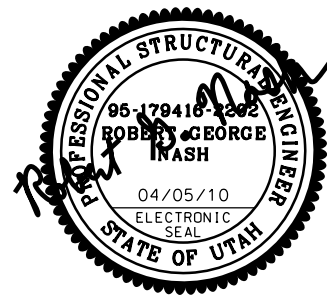
DESIGN	DD	3/10
CHECK	DD	3/10
DESIGN	RG	12/09
CHECK	DD	12/09
DESIGN	MPP	12/09
CHECK	MPP	12/09
DESIGN	RG	12/09
CHECK	DD	3/10

05-APR-2010 D:\F:\114\114-11-P6B.dwg

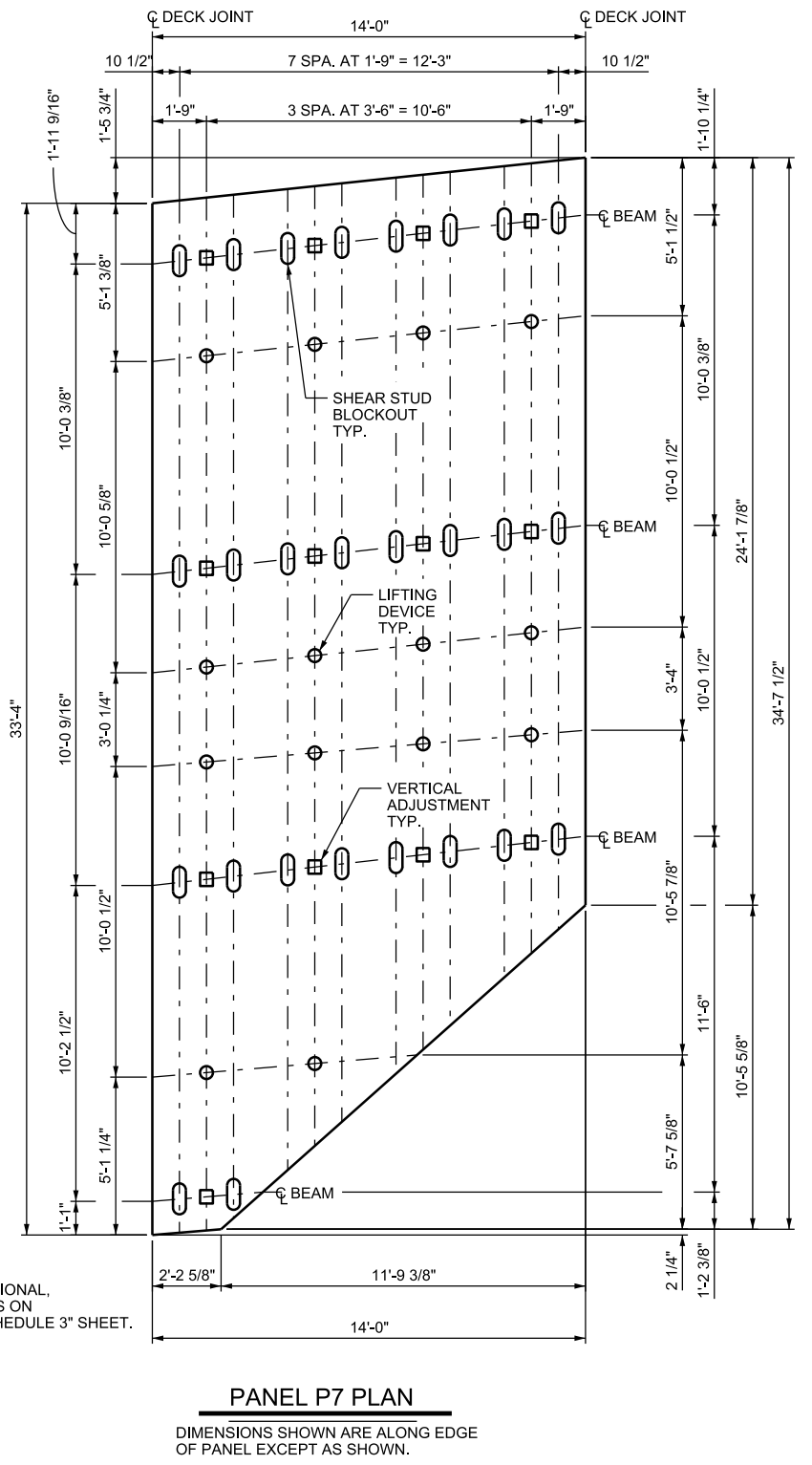


PANEL P7 PLAN
MOVE BARS TO CLEAR OBSTRUCTIONS

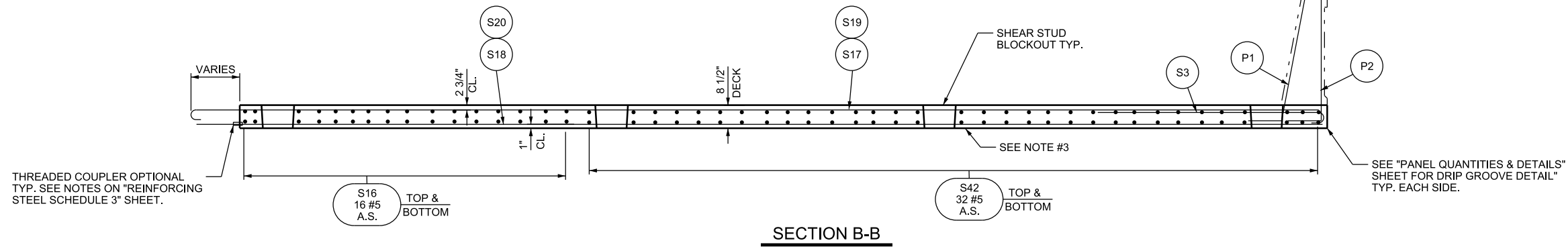
- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



SECTION A-A
MOVE BARS TO CLEAR OBSTRUCTIONS



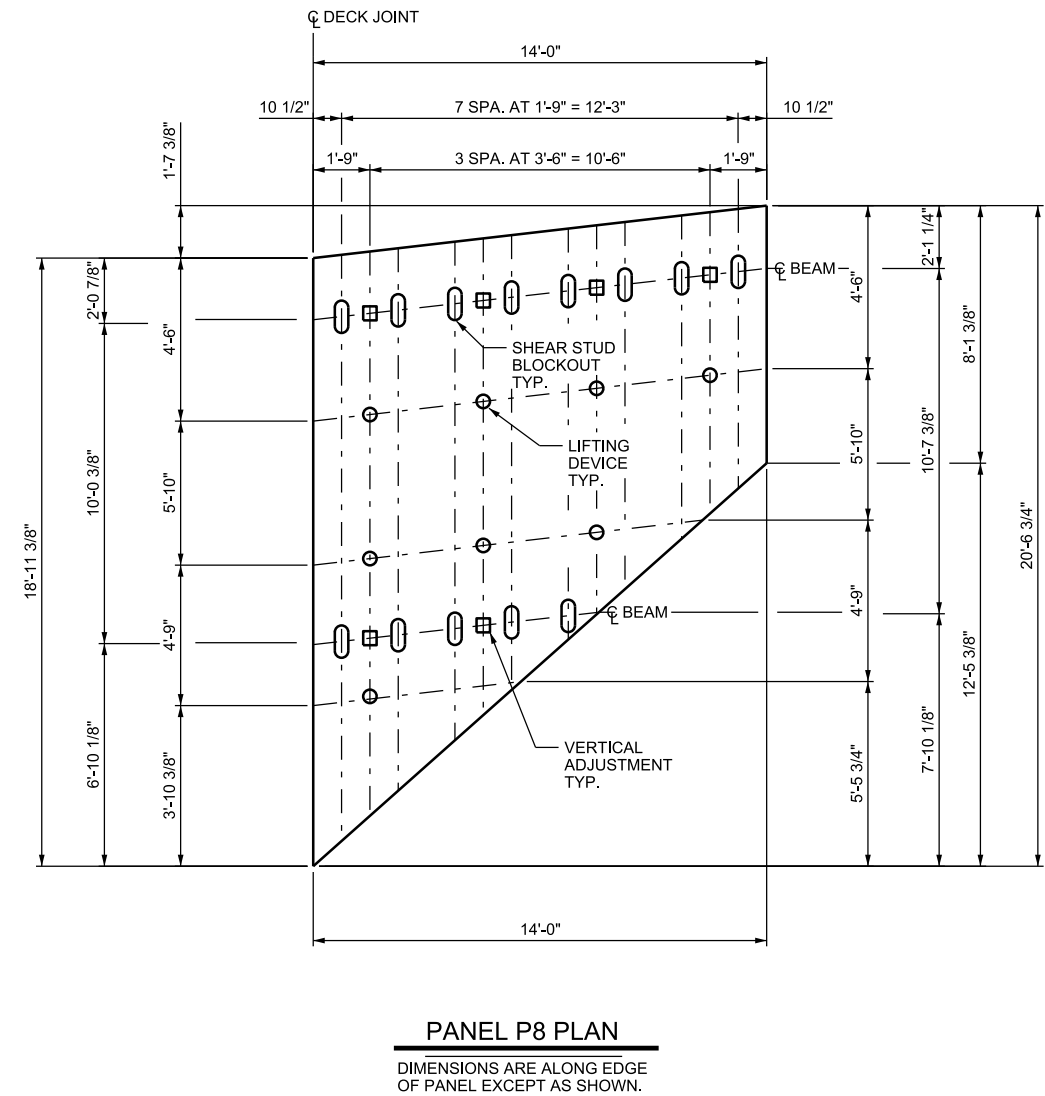
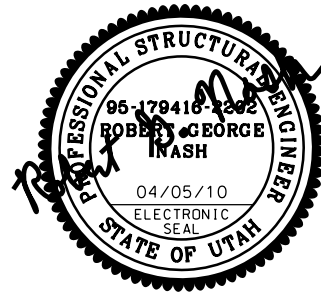
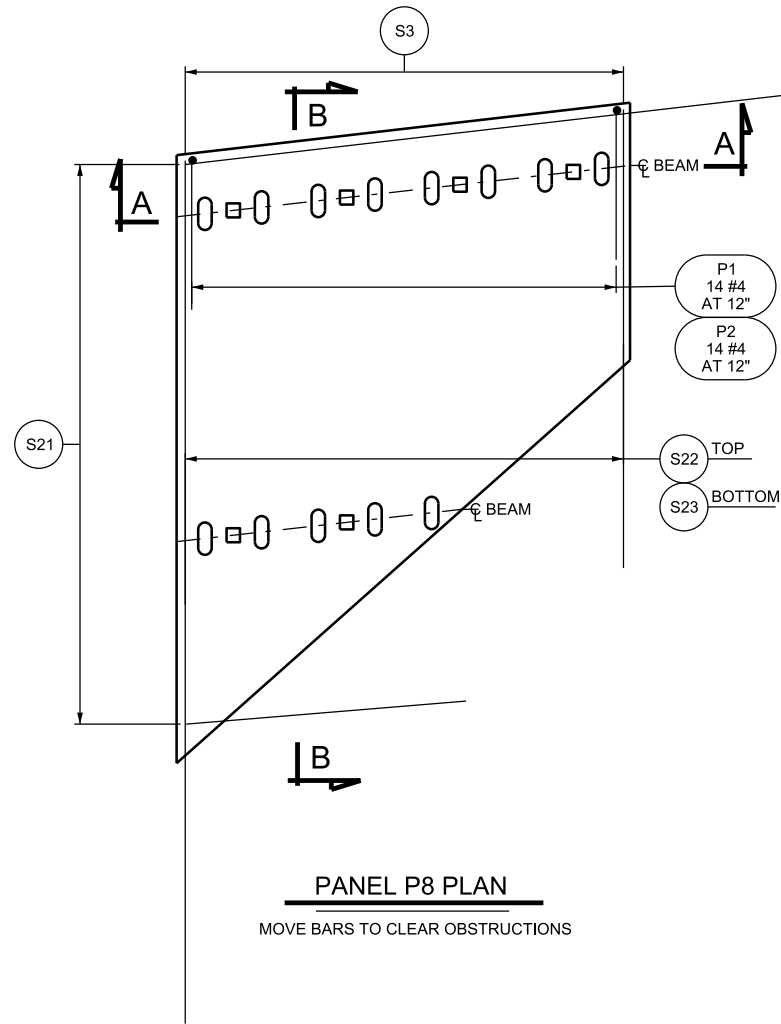
PANEL P7 PLAN
DIMENSIONS SHOWN ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.



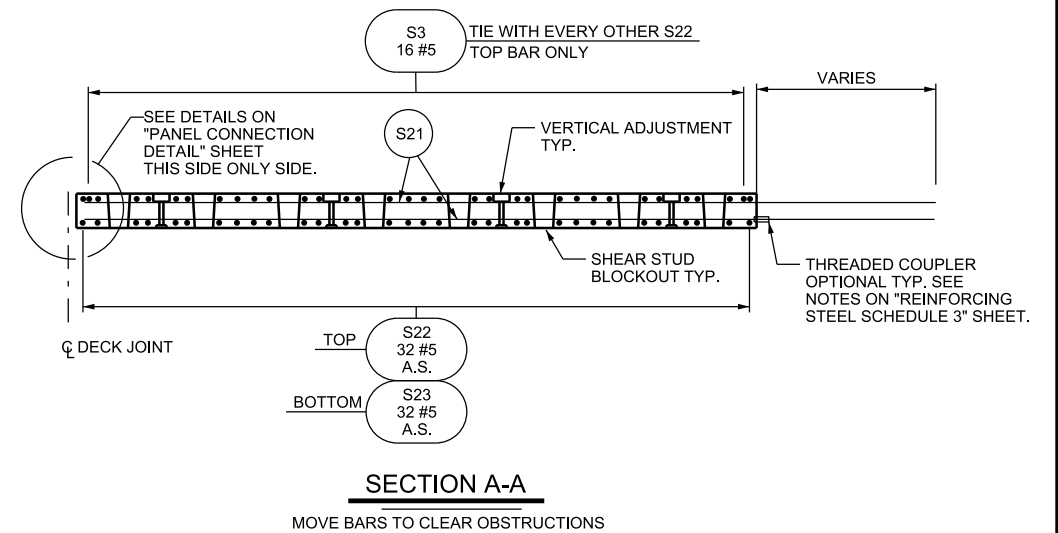
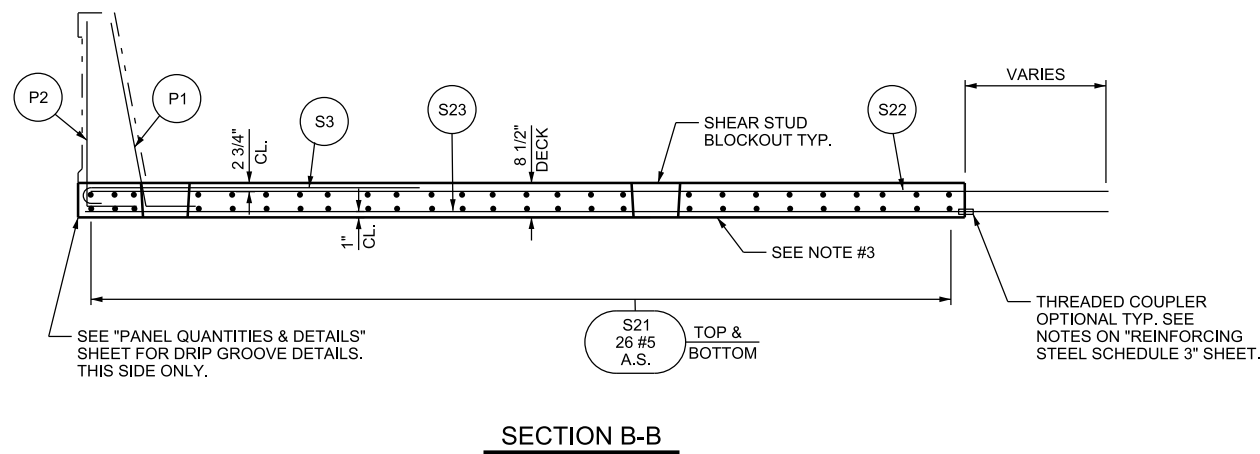
SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		I-84 OVER U.P.R.R.	
PRECAST DECK PANEL P7		PRECAST DECK PANEL P7	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		MORGAN COUNTY	
F-114R		F-114R	
DRG. NO.		DRG. NO.	
SHT. 12 OF 54		SHT. 12 OF 54	
NO.	DATE	BY	REVISION REMARKS
DESIGN	12/09	DD	CHECK DD 3/10
DRAWN	12/09	MPP	CHECK DD 3/10
QUANT.	12/09	MPP	CHECK DD 3/10
APPROVAL	04/05/10	DATE	FOR USE
RECOMM.	04/05/10	DATE	BY UDOT
Robert G. Inash		UDOT BRIDGE ENGR.	
Senior Design Engr.		UDOT BRIDGE ENGR.	

06-APR-2010 D:\F:\Ips\IP_PWP\Items\1723\6560_F114-12_P7P\panel.dgn

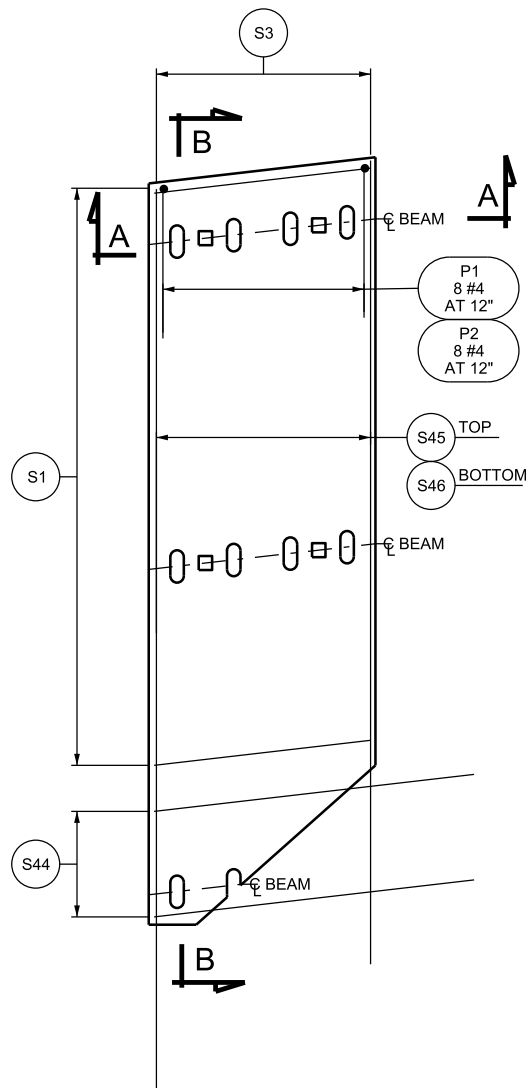


- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PRECAST DECK PANEL P8	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R	
DRG. NO.		SHT. 13 OF 54	
NO.	DATE	BY	REVISION REMARKS
APPROVAL RECOMM.	04/05/10	DATE	DESIGN RGN 12/09 CHECK DD 3/10
FOR USE	04/05/10	DATE	DRAWN MPP 12/09 CHECK DD 3/10
BY UDOT		DATE	QUANT. MPP 12/09 CHECK DD 3/10

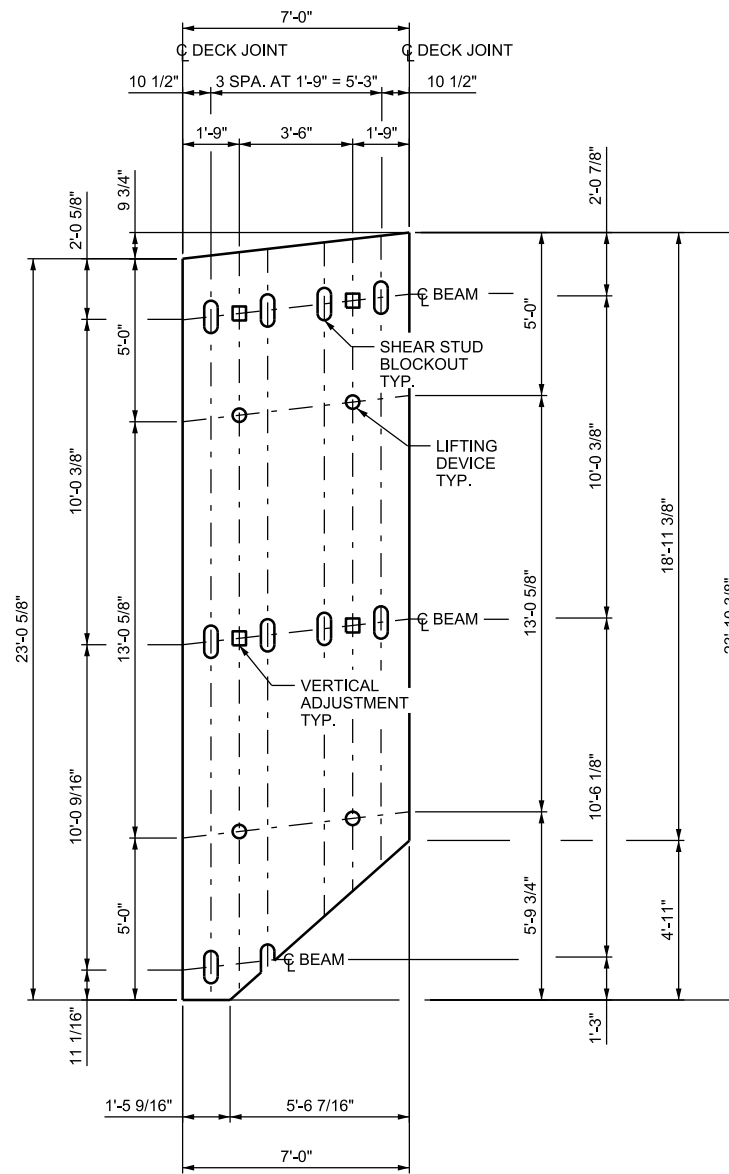
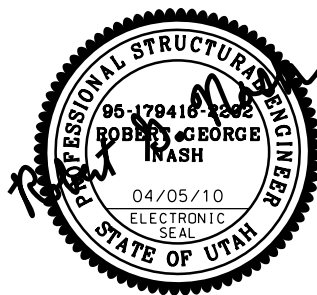
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PANEL P8A PLAN

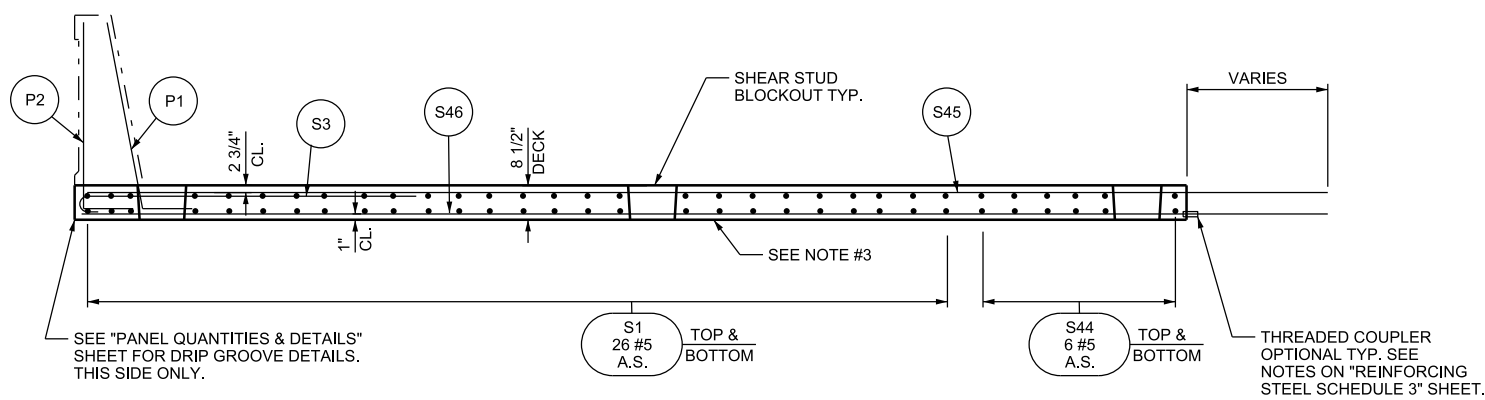
MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.

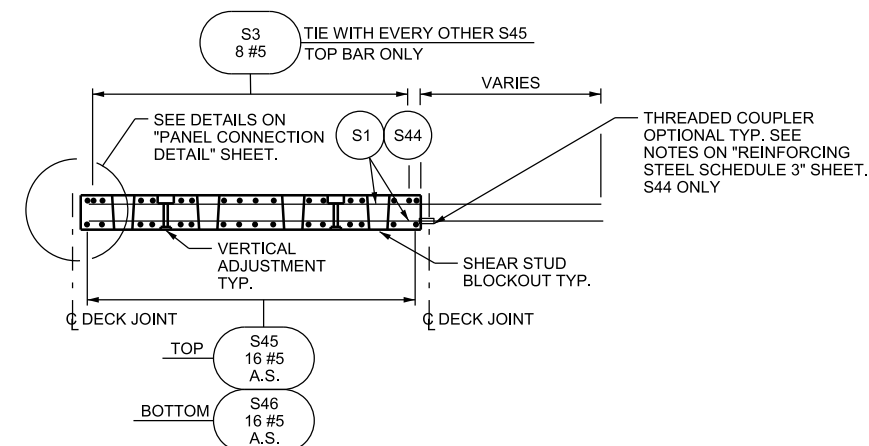


PANEL P8A PLAN

DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.



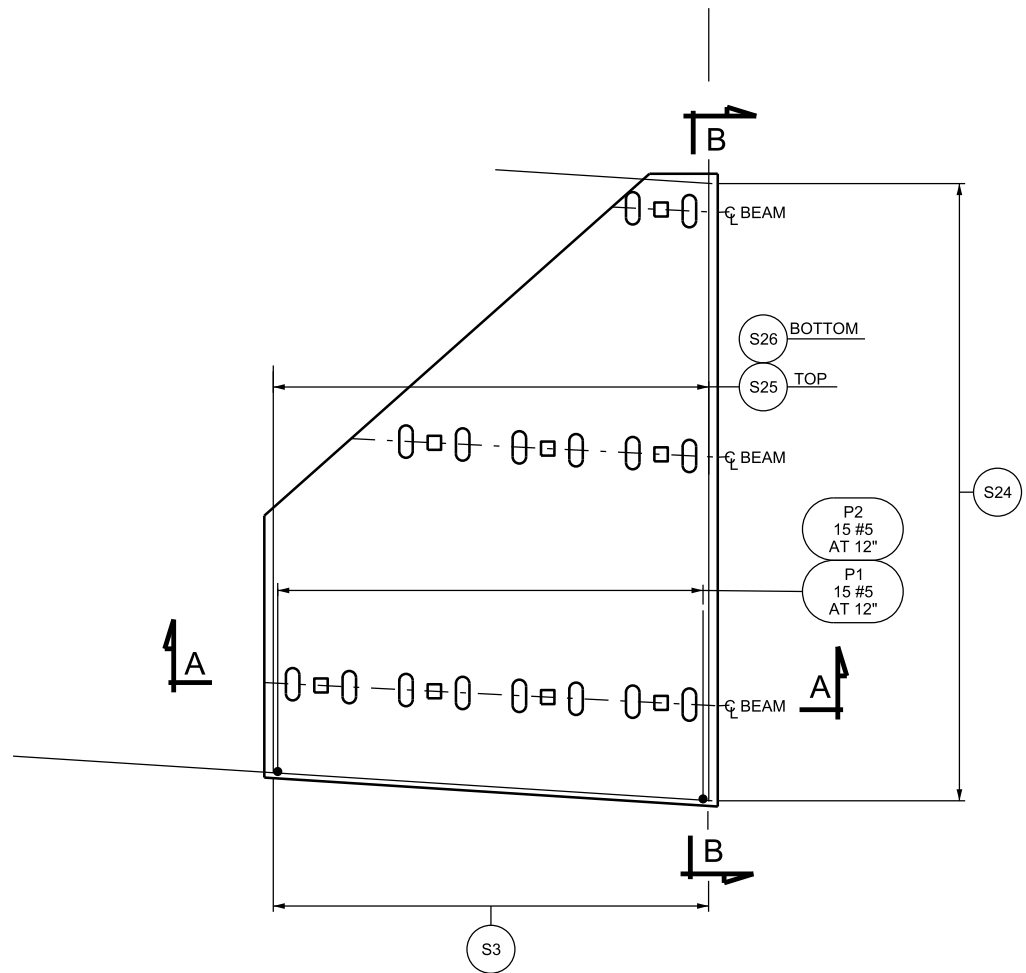
SECTION B-B



SECTION A-A

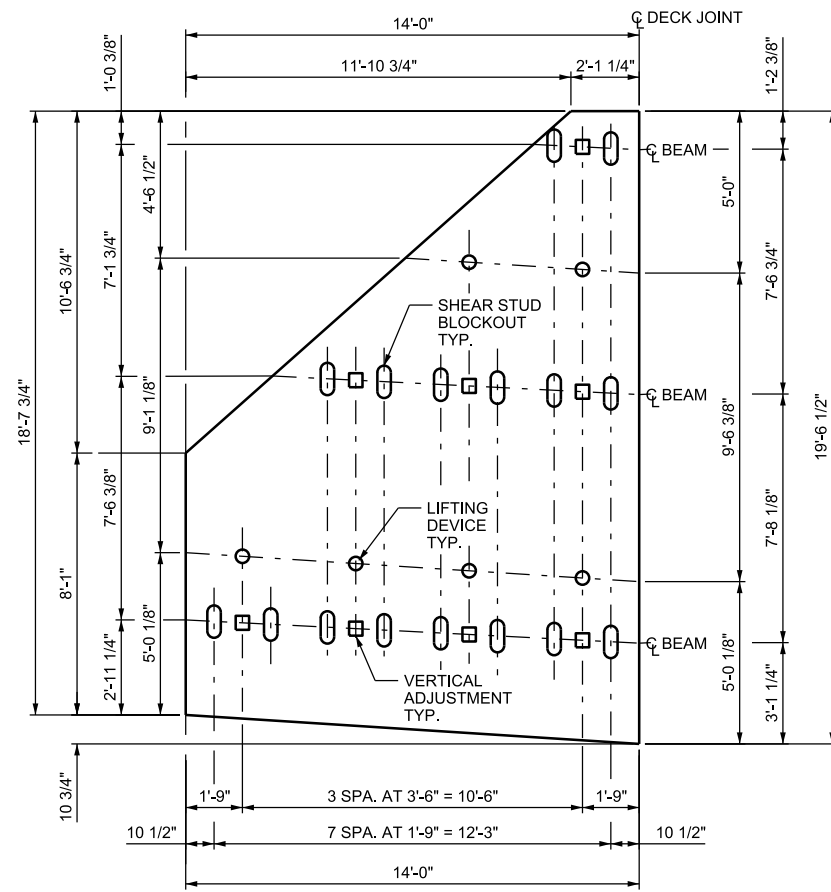
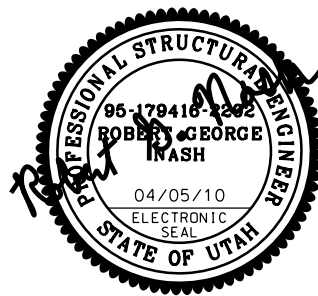
MOVE BARS TO CLEAR OBSTRUCTIONS

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		I-84 OVER U.P.R.R.	
PRECAST DECK PANEL P8A		PRECAST DECK PANEL P8A	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		MORGAN COUNTY	
F-114R		F-114R	
DRG. NO.		DRG. NO.	
SHT. 13A OF 54		SHT. 13A OF 54	
NO.	DATE	BY	REVISION REMARKS
DESIGN	04/05/10	R. Inash	2/10
DRAWN	04/05/10	MPP	2/10
QUANT.	04/05/10	MPP	2/10
CHECK	04/05/10	DD	3/10
CHECK	04/05/10	DD	3/10
CHECK	04/05/10	DD	3/10



PANEL P9 PLAN

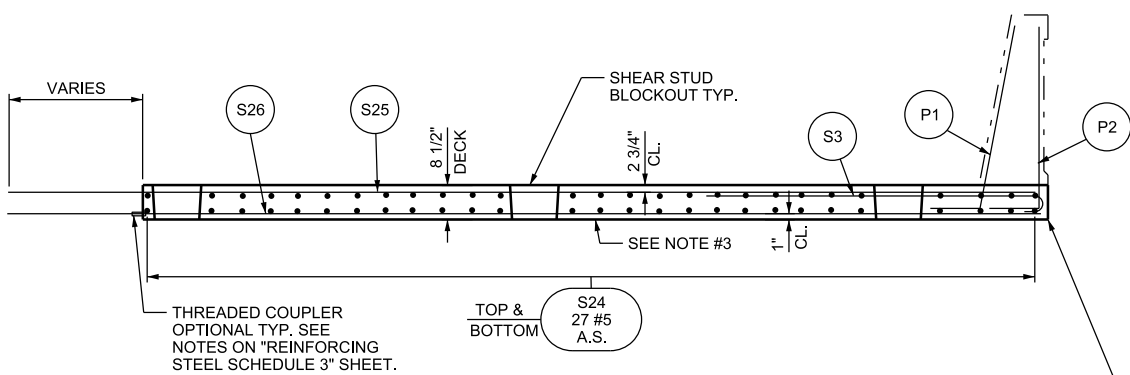
MOVE BARS TO CLEAR OBSTRUCTIONS



PANEL P9 PLAN

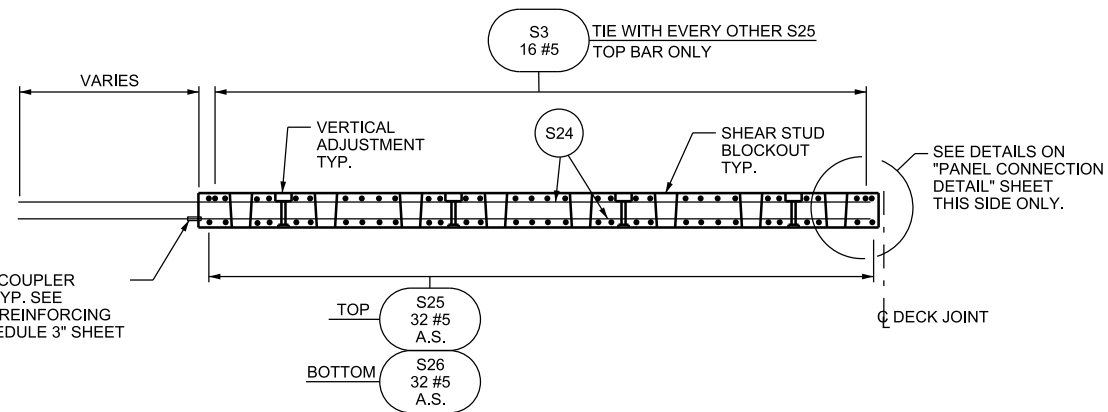
DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.

- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



SECTION B-B

SEE "PANEL QUANTITIES & DETAILS" SHEET FOR DRIP GROOVE DETAILS. THIS SIDE ONLY.

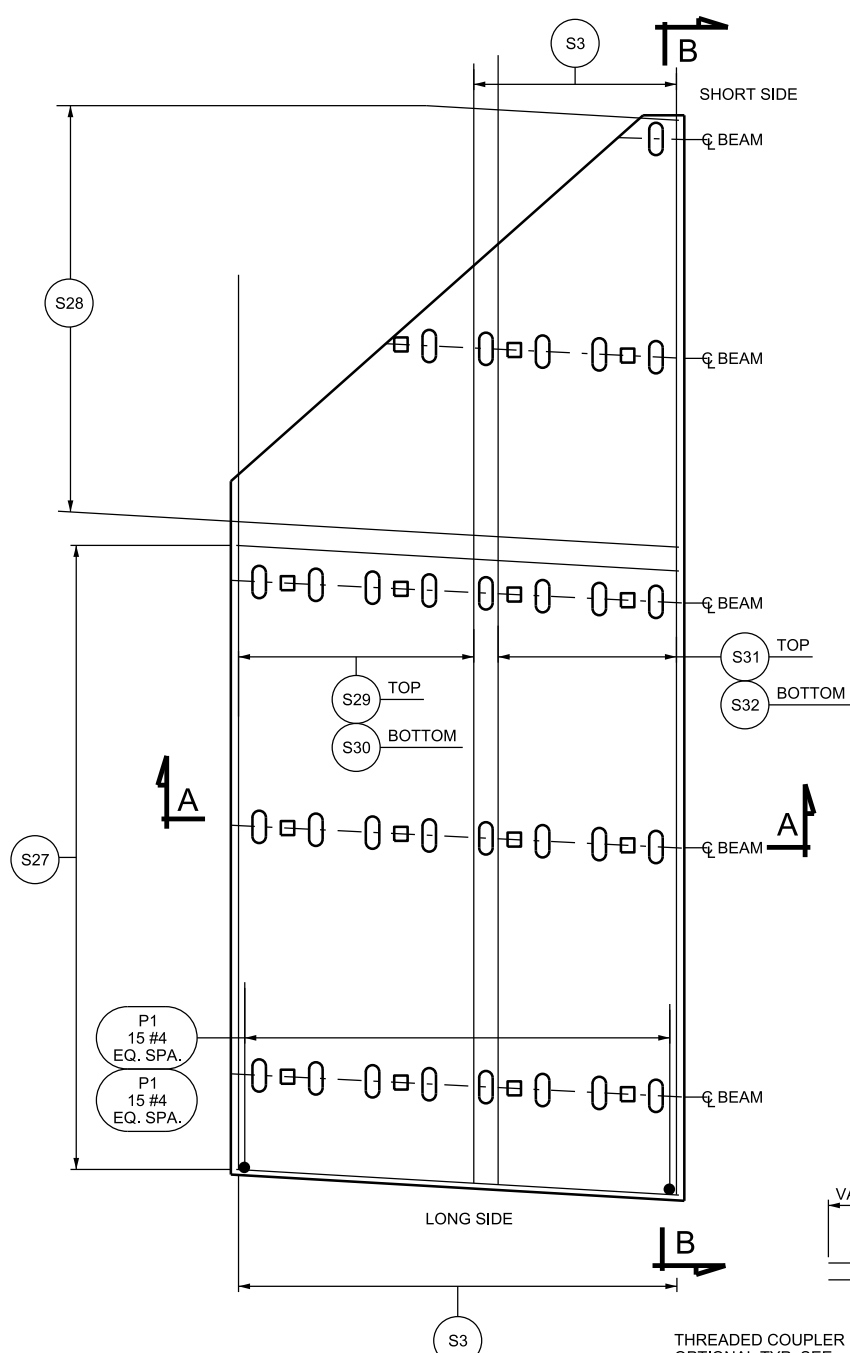


SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PRECAST DECK PANEL P9	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R	
DRG. NO.		DRG. NO.	
SHT. 14		OF 54	
NO.	DATE	BY	REVISION REMARKS
DESIGN	12/09	RG	CHECK DD 3/10
DRAWN	12/09	MPP	CHECK DD 3/10
QUANT.	12/09	MPP	CHECK DD 3/10

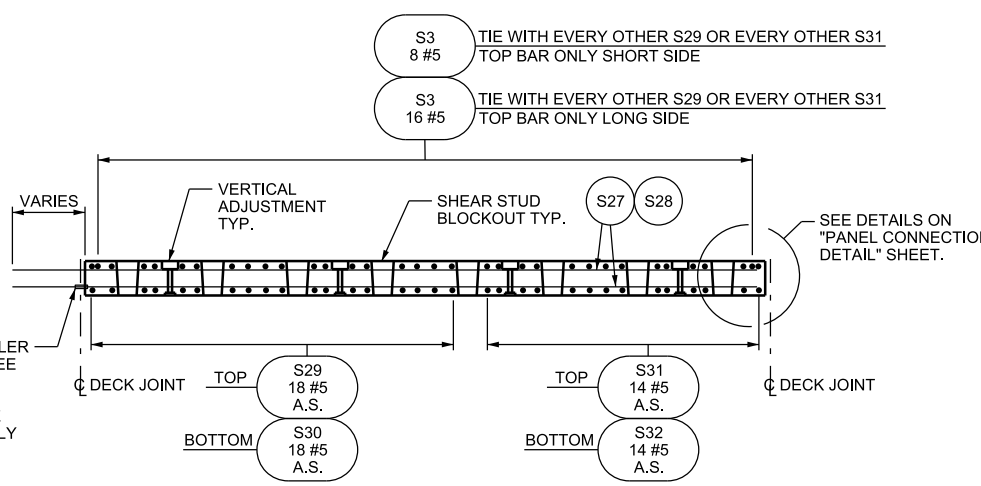
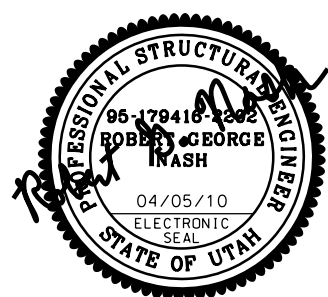
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PANEL P10 PLAN

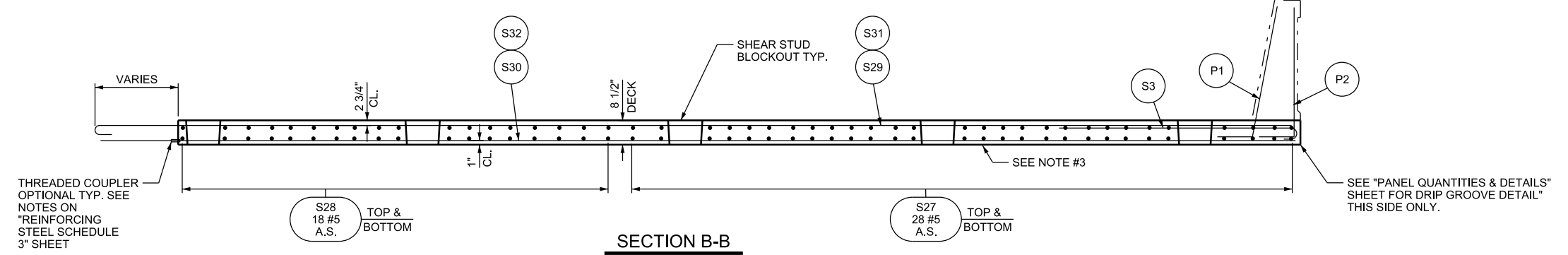
MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.

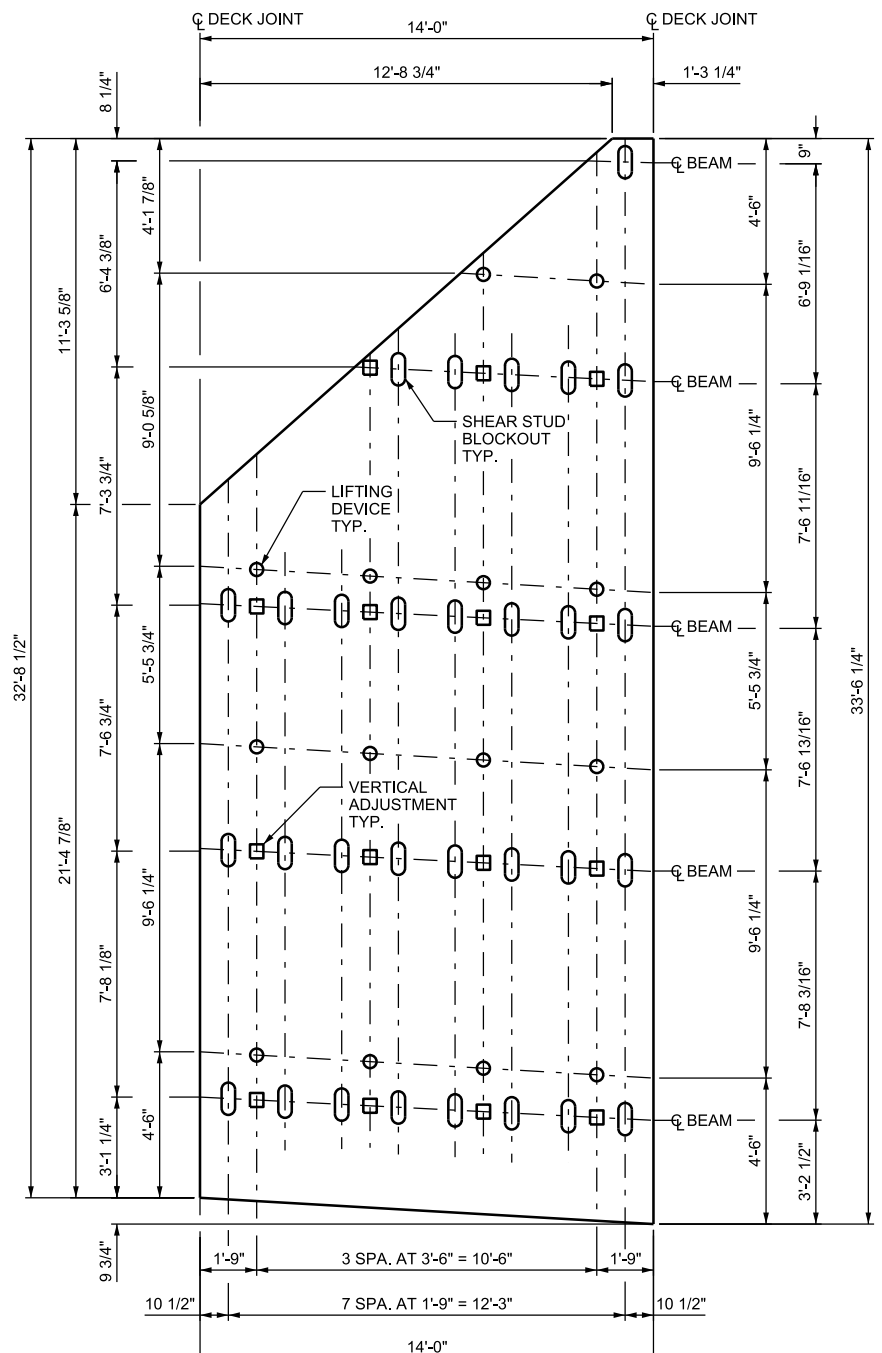


SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS



SECTION B-B

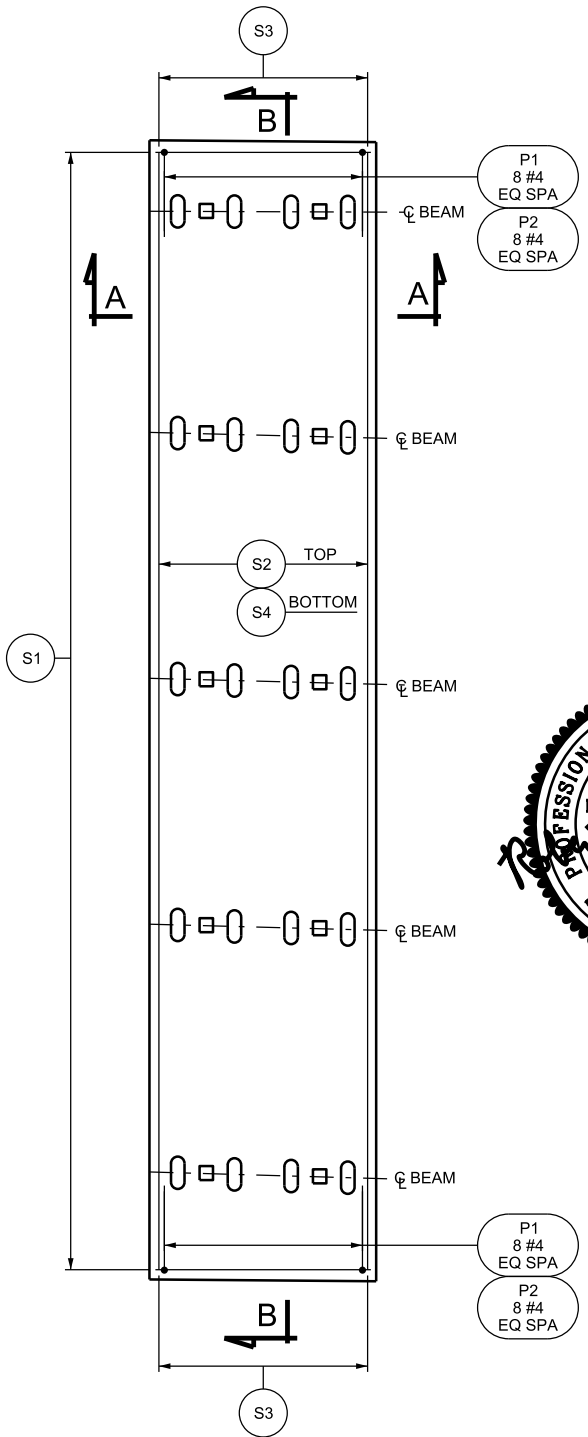


PANEL P10 PLAN

DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PRECAST DECK PANEL P10	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R	
DRG. NO.		SHT. 15 OF 54	
NO.	DATE	BY	REVISION REMARKS
			DESIGN RGN 12/09 CHECK DD 3/10
			DRAWN MPP 12/09 CHECK DD 3/10
			QUANT. MPP 12/09 CHECK DD 3/10
APPROVAL FOR USE DATE 04/05/10 BY UDOT		APPROVAL FOR USE DATE 04/05/10 BY UDOT	
ROBERT G. INASH SENIOR DESIGN ENGR.		UDOT BRIDGE ENGR.	

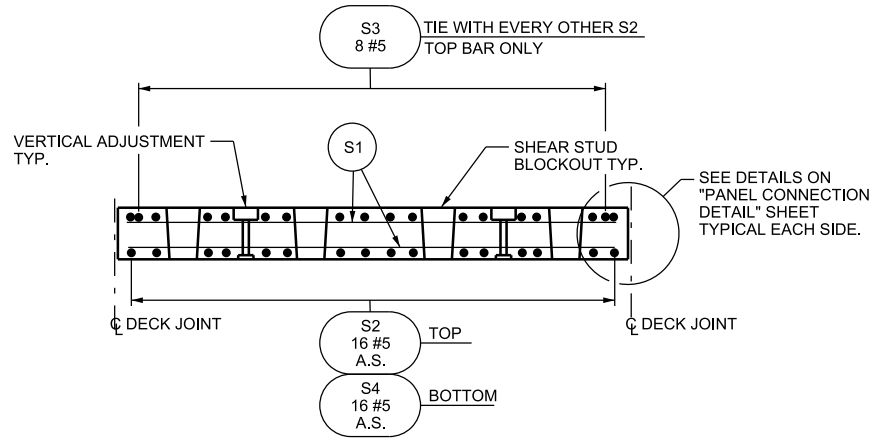
05-APR-2010 DCA, F:\as IP_PWP\as1723\6560_F114-15_P10P-panel.dgn



PANEL P11A THRU P11F PLAN

NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

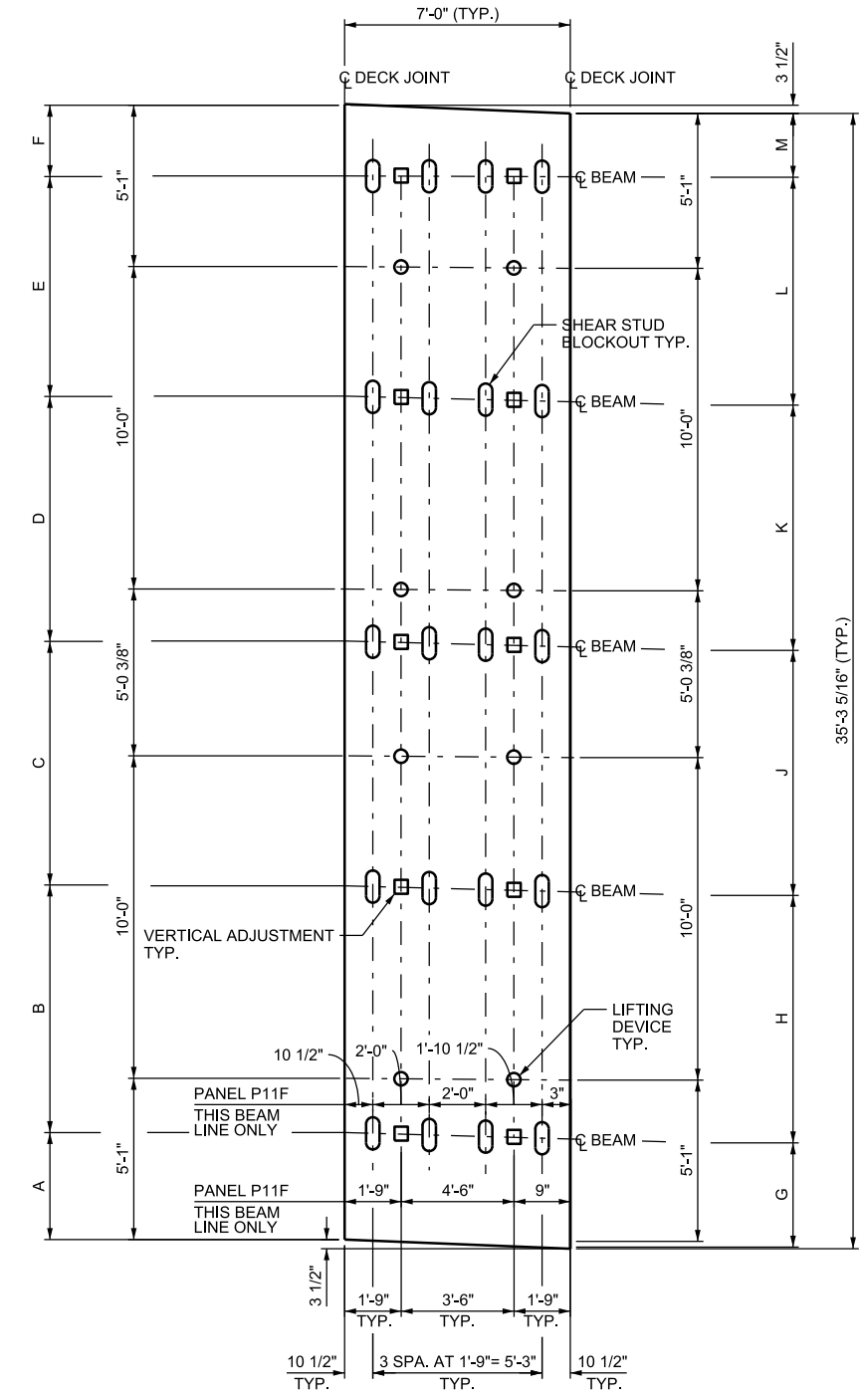
PANEL	P11A	P11B	P11C	P11D	P11E	P11F
A	3'-3 1/8"	3'-2 5/16"	3'-1 1/2"	3'-0 11/16"	2'-11 7/8"	2'-11 1/8"
B	7'-8 3/16"	7'-8 1/4"	7'-8 5/16"	7'-8 3/8"	7'-8 3/8"	7'-8 7/16"
C	7'-6 13/16"	7'-6 7/8"	7'-6 15/16"	7'-7"	7'-7 1/16"	7'-7 1/16"
D	7'-6 11/16"	7'-6 3/4"	7'-6 13/16"	7'-6 7/8"	7'-7"	7'-7 1/16"
E	6'-9 1/16"	6'-10 3/4"	7'-0 7/16"	7'-2 1/8"	7'-3 13/16"	7'-5 7/16"
F	2'-5 7/16"	2'-4 3/8"	2'-3 5/16"	2'-2 1/4"	2'-1 3/16"	2'-0 3/16"
G	3'-2 5/16"	3'-1 1/2"	3'-0 11/16"	2'-11 7/8"	2'-11 1/8"	2'-11 1/16"
H	7'-8 1/4"	7'-8 5/16"	7'-8 3/8"	7'-8 3/8"	7'-8 7/16"	7'-7 11/16"
J	7'-6 7/8"	7'-6 15/16"	7'-7"	7'-7 1/16"	7'-7 1/16"	7'-7 1/8"
K	7'-6 3/4"	7'-6 13/16"	7'-6 7/8"	7'-7"	7'-7 1/16"	7'-7 1/8"
L	6'-10 3/4"	7'-0 7/16"	7'-2 1/8"	7'-3 13/16"	7'-5 7/16"	7'-7 1/8"
M	2'-4 3/8"	2'-3 5/16"	2'-2 1/4"	2'-1 3/16"	2'-0 3/16"	1'-11 3/16"



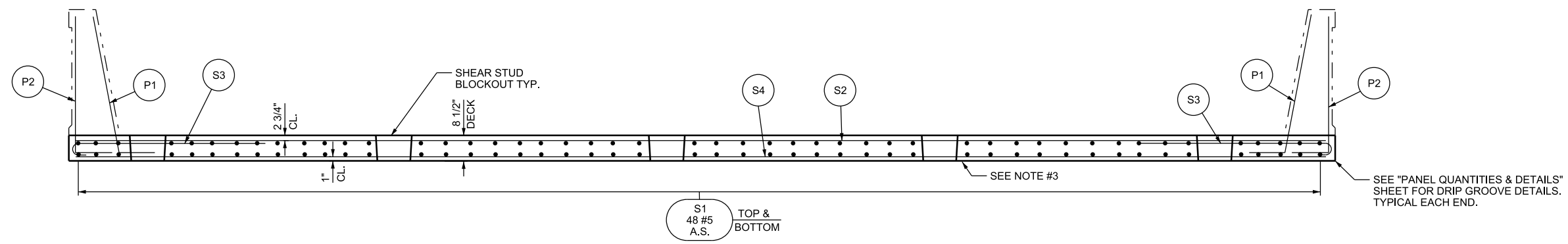
SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS

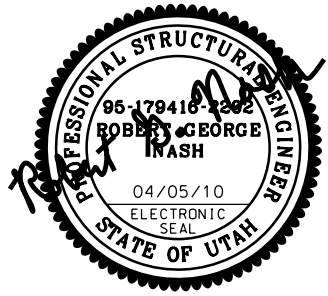
- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P11A THRU P11F PLAN

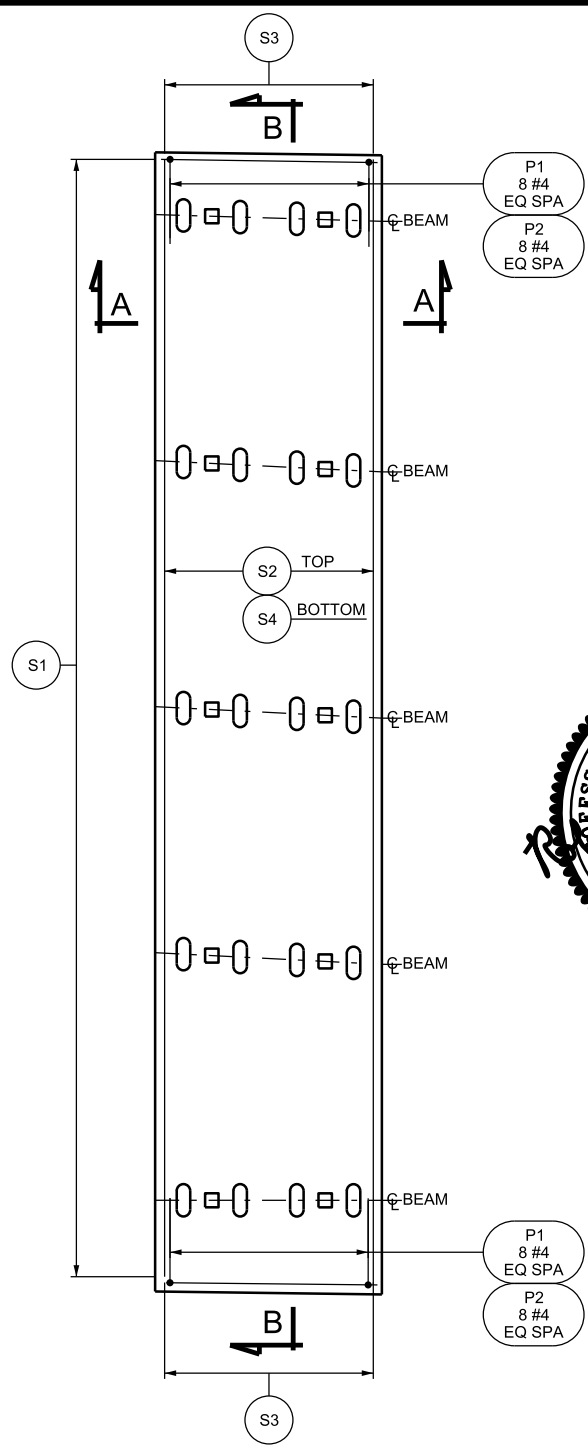


SECTION B-B



UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.		PRECAST DECK PANEL P11A THRU P11F		PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R		DRG. NO.		SHT. 16		OF 54		REVISION REMARKS DESIGN: RGN 12/09 CHECK: DD 3/10 DRAWN: MPP 12/09 CHECK: DD 3/10 QUANT: MPP 12/09 CHECK: DD 3/10 APPROVAL FOR USE: 04/05/10 BY: UDOT APPROVED FOR USE: 04/05/10 BY: UDOT SENIOR DESIGN ENGR. Robert D. Nash UDOT BRIDGE ENGR.	

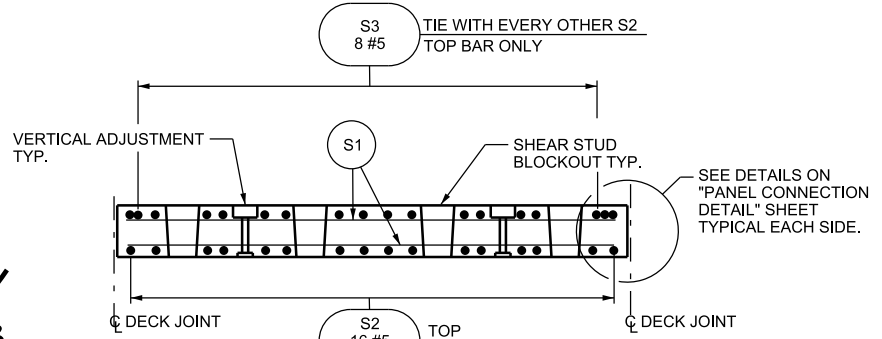
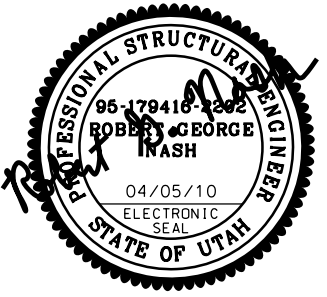
05-APR-2010 D:\I:\P\W\Items\1723\6560-F114-16-P11Panel.dgn



PANEL P12A THRU P12F PLAN

NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

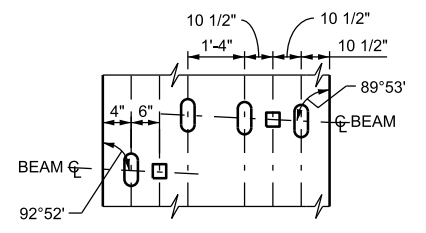
PANEL	P12A	P12B	P12C	P12D	P12E	P12F
A	2'-9 7/8"	2'-10 7/8"	3'-0"	3'-1"	3'-2 1/8"	3'-3 1/4"
B	7'-7 11/16"	7'-7 3/16"	7'-7 1/16"	7'-6 15/16"	7'-6 13/16"	7'-6 11/16"
C	7'-7 1/8"	7'-3 7/16"	6'-11 5/16"	7'-7 3/4"	7'-7 11/16"	7'-7 5/8"
D	7'-7 1/8"	7'-7 1/4"	7'-7 5/16"	6'-6 15/16"	6'-6 5/16"	6'-8 3/8"
E	7'-7 1/8"	7'-8 13/16"	7'-10 1/2"	8'-0 3/16"	7'-10 1/2"	7'-7 5/8"
F	1'-11 1/16"	2'-0 7/16"	2'-1 13/16"	2'-3 3/16"	2'-4 9/16"	2'-4 7/16"
G	2'-10 7/8"	3'-0"	3'-1"	3'-2 1/8"	3'-3 1/4"	3'-4 1/4"
H	7'-3 7/16"	7'-7 1/16"	7'-6 15/16"	7'-6 13/16"	7'-6 11/16"	7'-6 9/16"
J	7'-7 3/16"	6'-11 5/16"	7'-7 3/4"	7'-7 11/16"	7'-7 5/8"	7'-7 9/16"
K	7'-7 1/4"	7'-7 5/16"	6'-6 15/16"	6'-6 5/16"	6'-8 3/8"	6'-10 7/16"
L	7'-8 13/16"	7'-10 1/2"	8'-0 3/16"	7'-10 1/2"	7'-7 5/8"	7'-7 1/2"
M	2'-0 7/16"	2'-1 13/16"	2'-3 3/16"	2'-4 9/16"	2'-4 7/16"	2'-1 11/16"



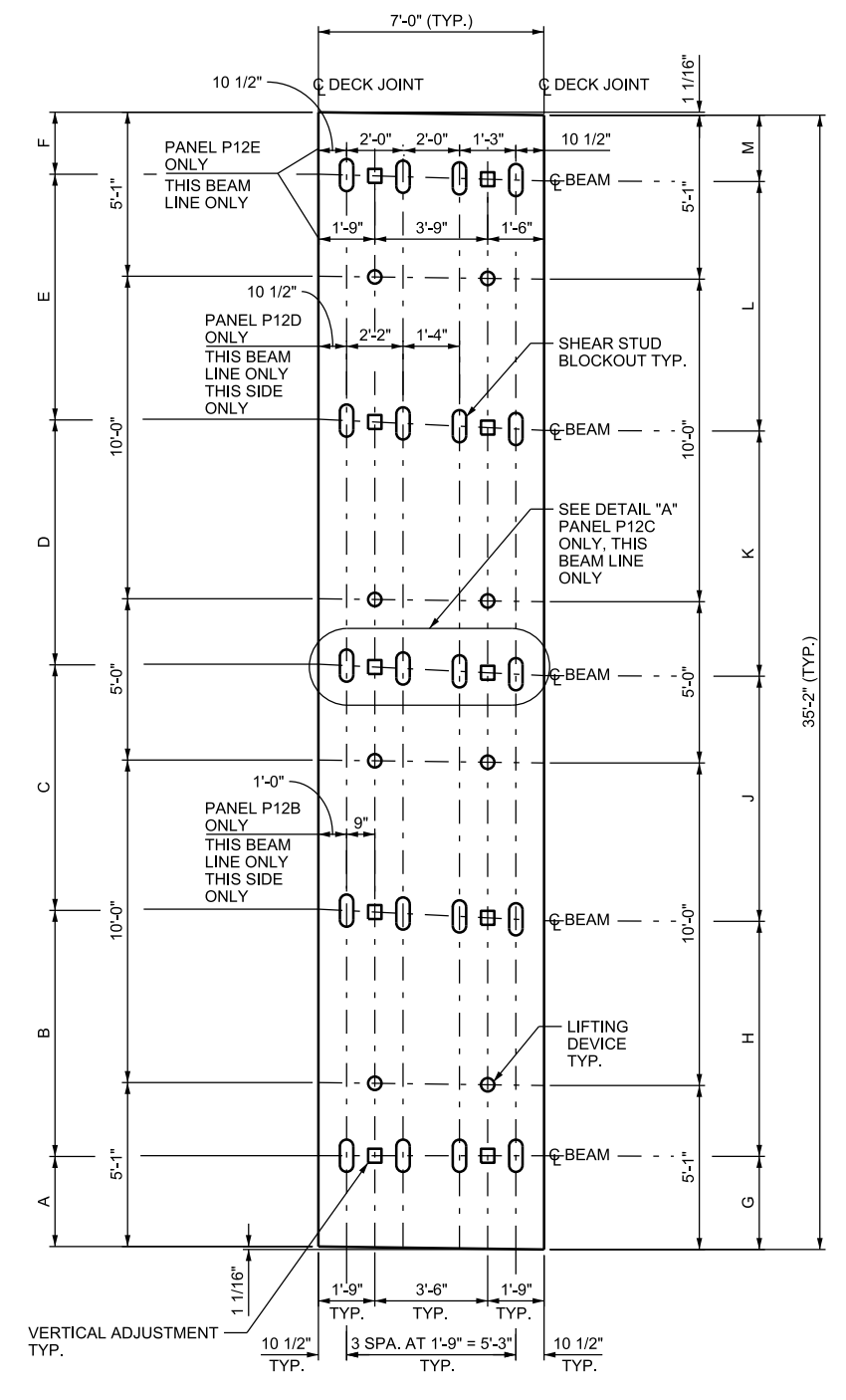
SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS

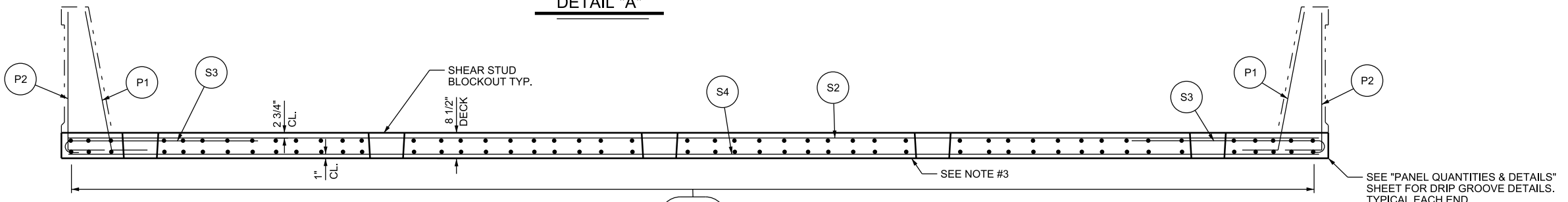
- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



DETAIL "A"



PANEL P12A THRU P12F PLAN



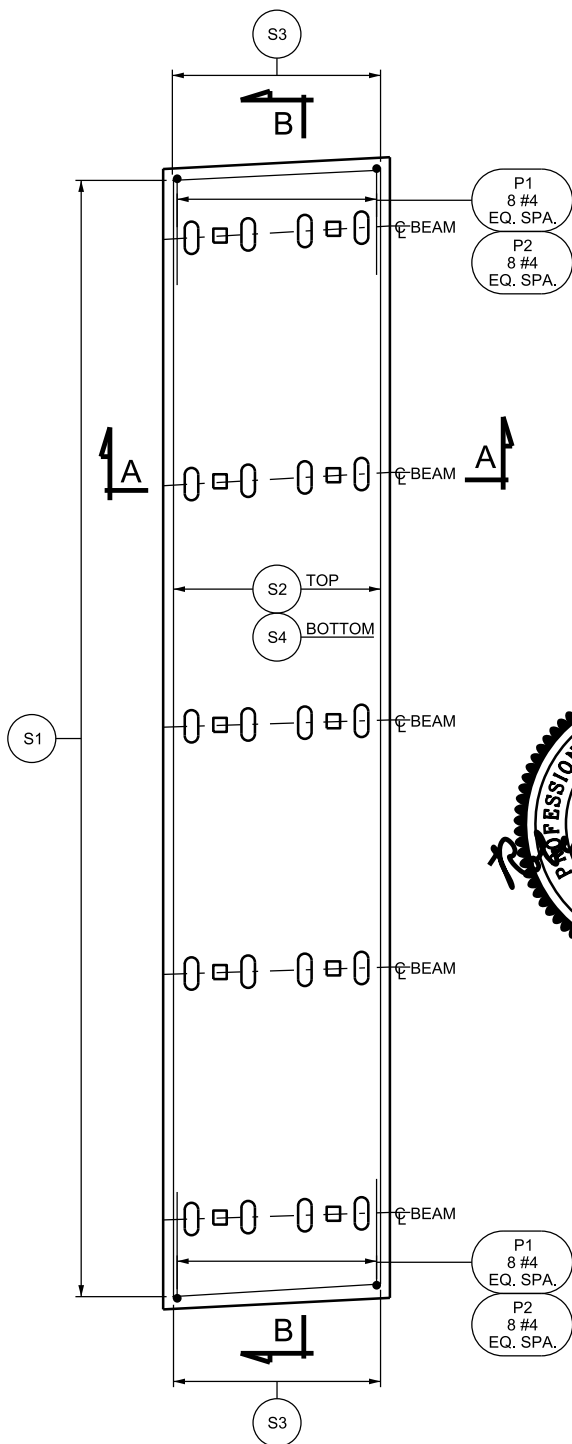
SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PRECAST DECK PANEL P12A THRU P12F	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R	
DRG. NO.		SHT. 17 OF 54	
NO.	DATE	BY	REVISION
APPROVAL RECOMM. 04/05/10	DATE	DATE	DESIGN RGN 12/09
APPROVED FOR USE 04/05/10	DATE	DATE	DRAWN MPP 12/09
			CHECK DD 3/10
			CHECK DD 3/10
			CHECK DD 3/10

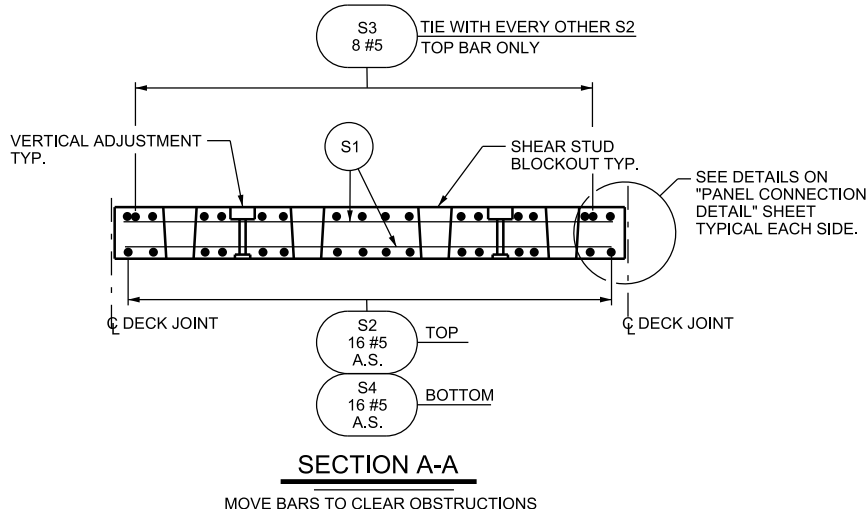
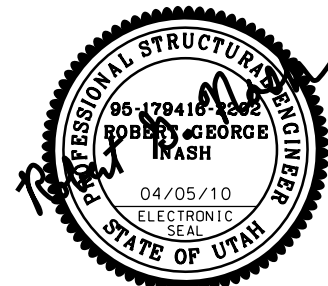
05-APR-2010 D:\A_E\Ips\IP\Projects\1723\6560\F114-17_P12FPanel.dgn

NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

PANEL	P13A	P13B	P13C	P13D	P13E
A	3'-4 1/4"	3'-2 15/16"	3'-1 9/16"	3'-0 3/16"	2'-10 13/16"
B	7'-6 9/16"	7'-6 3/8"	7'-6 5/16"	7'-6 3/16"	7'-6 1/16"
C	7'-7 9/16"	7'-7 1/2"	7'-7 7/16"	7'-7 3/8"	7'-7 5/16"
D	6'-10 7/16"	7'-0 9/16"	7'-2 5/8"	7'-4 11/16"	7'-6 3/4"
E	7'-7 1/2"	7'-7 3/8"	7'-7 1/4"	7'-7 3/16"	7'-7 1/16"
F	2'-1 13/16"	2'-1 3/8"	2'-0 15/16"	2'-0 1/2"	2'-0 1/8"
G	3'-2 15/16"	3'-1 9/16"	3'-0 3/16"	2'-10 13/16"	2'-11 9/16"
H	7'-6 3/8"	7'-6 5/16"	7'-6 3/16"	7'-6 1/16"	7'-3 3/4"
J	7'-7 1/2"	7'-7 7/16"	7'-7 3/8"	7'-7 5/16"	7'-7 1/4"
K	7'-0 9/16"	7'-2 5/8"	7'-4 11/16"	7'-6 3/4"	7'-8 13/16"
L	7'-7 3/8"	7'-7 1/4"	7'-7 3/16"	7'-7 1/16"	7'-7"
M	2'-1 3/8"	2'-0 15/16"	2'-0 1/2"	2'-0 1/8"	1'-11 3/4"

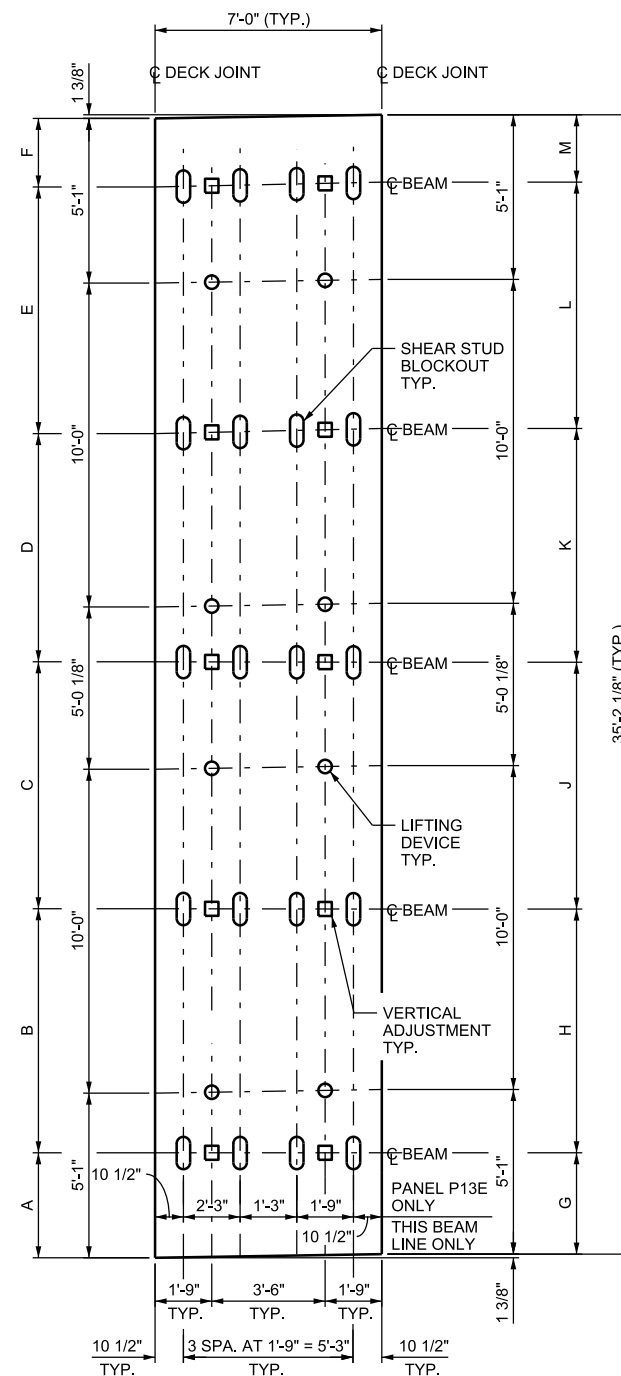


PANEL P13A THRU P13E PLAN

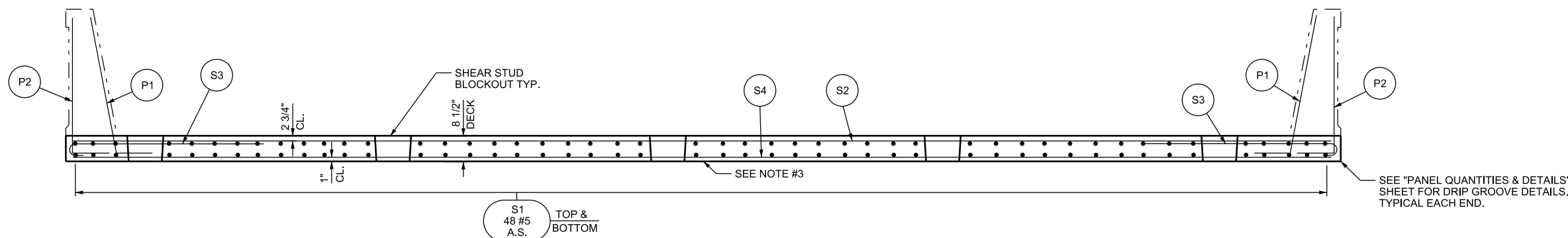


SECTION A-A
MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.

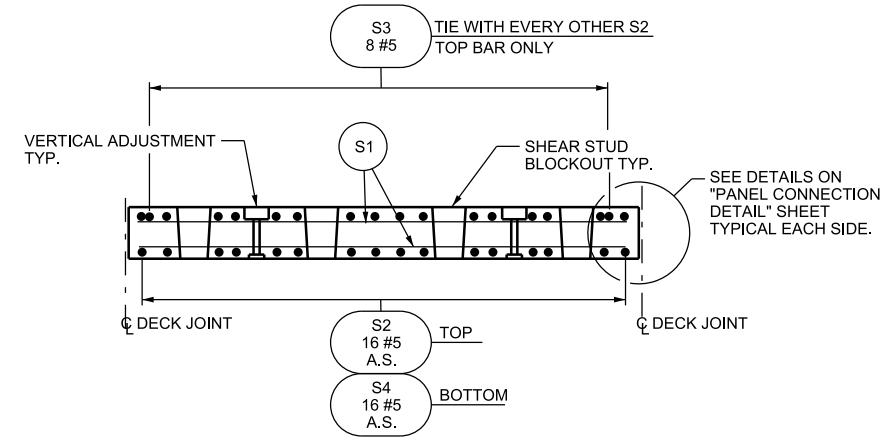
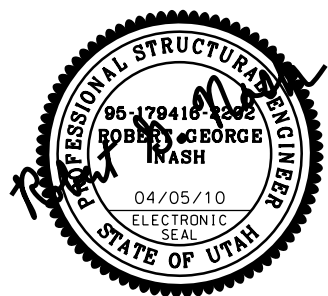
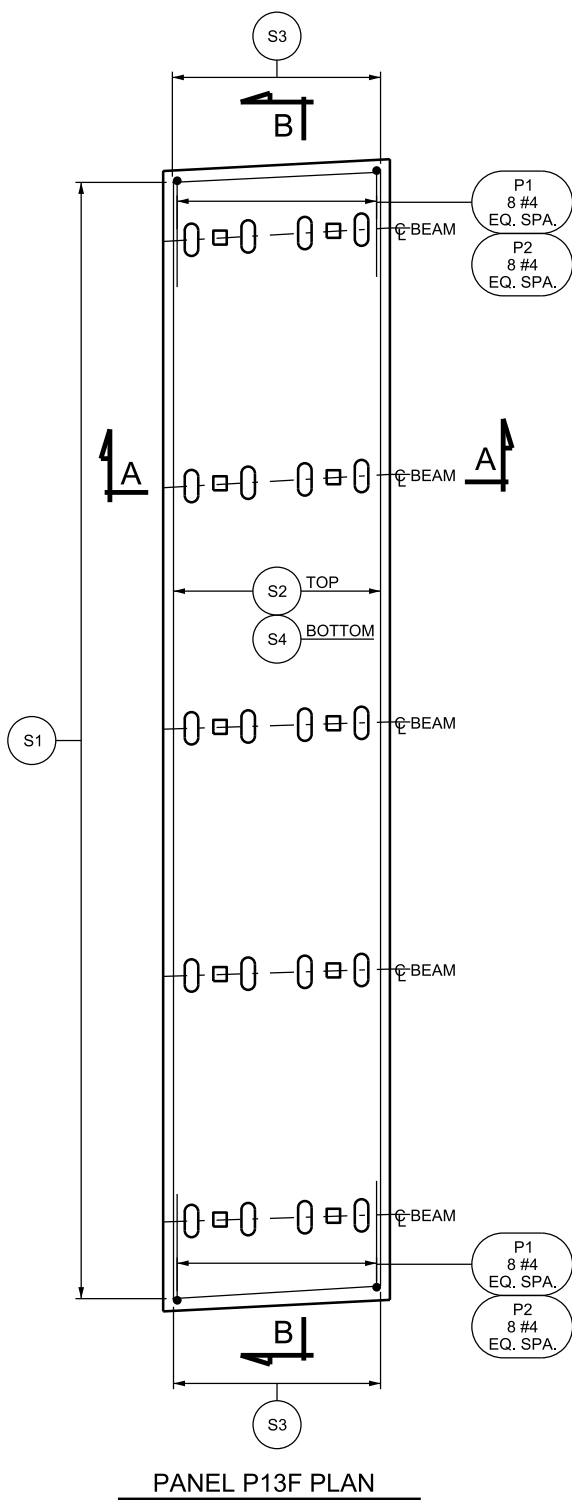


PANEL P13A THRU P13E PLAN

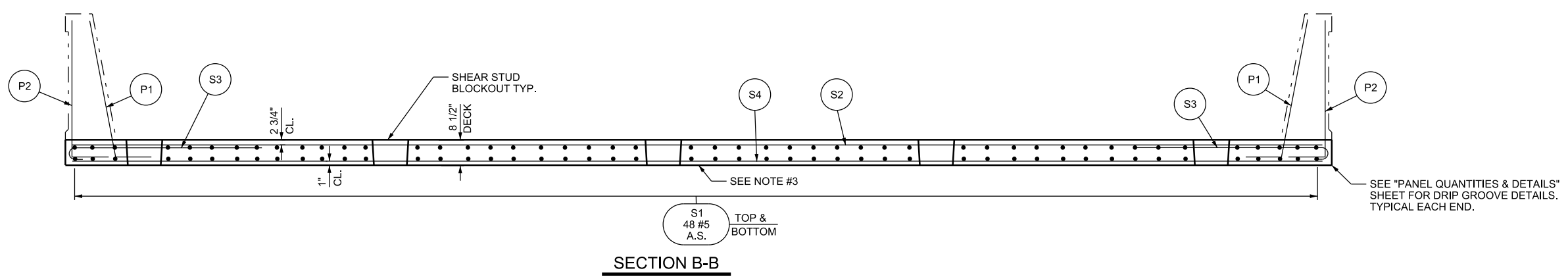
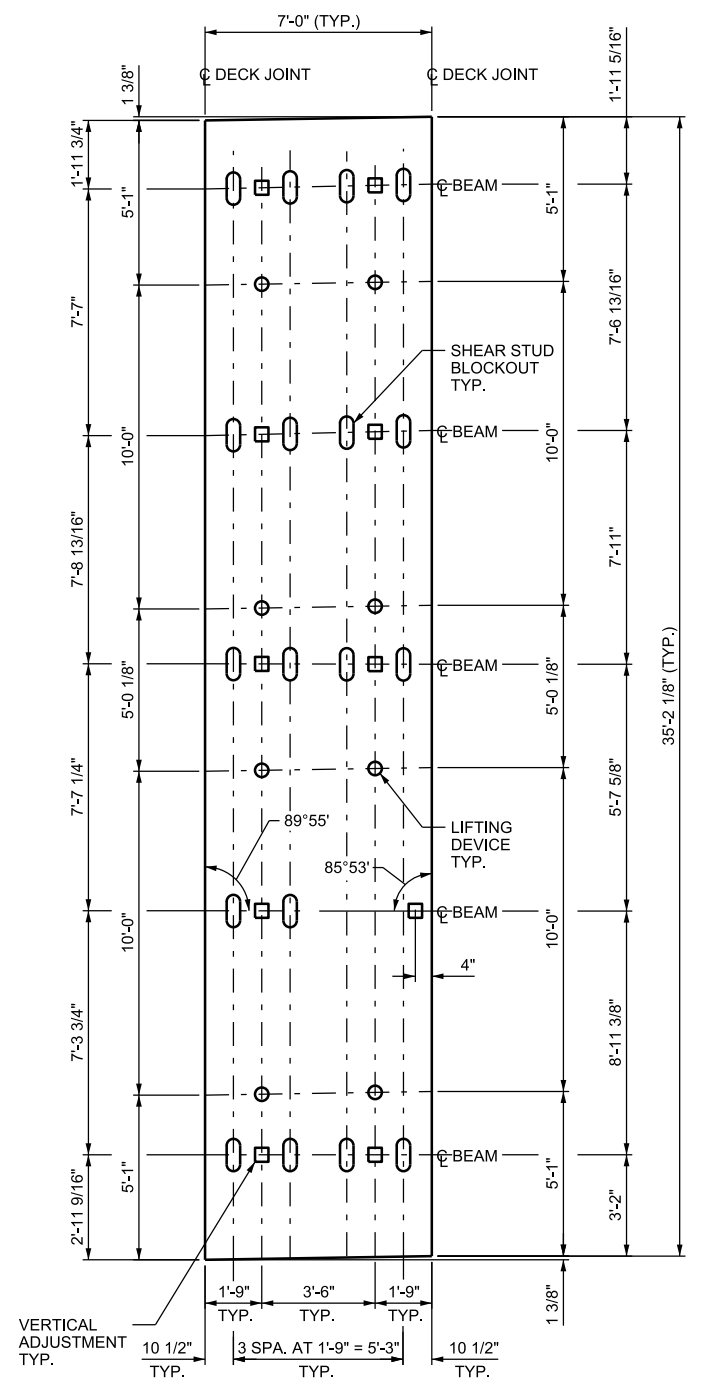


SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.	
PROJECT NUMBER F-184-6(97)108		PIN 6560		PRECAST DECK PANEL P13A THRU P13E	
MORGAN COUNTY		F-114R		DRG. NO.	
SHT. 18		OF 54		REVISION REMARKS	
NO.	DATE	BY	DESIGN RGN	CHECK DD	DD
1	04/05/10	Robert G. Inash	12/09	3/10	3/10
2	04/05/10	Robert G. Inash	12/09	3/10	3/10
3	04/05/10	Robert G. Inash	12/09	3/10	3/10

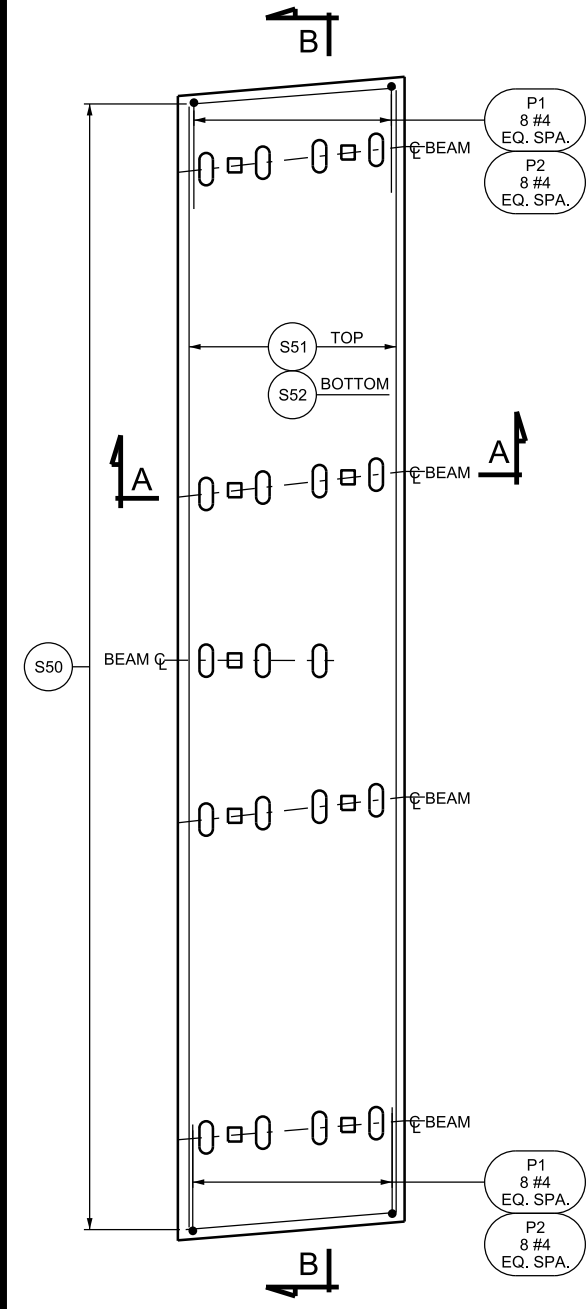
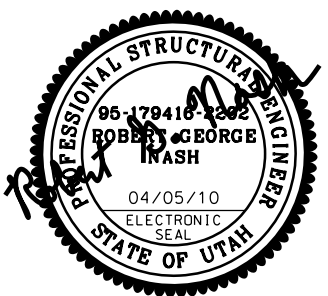


- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.

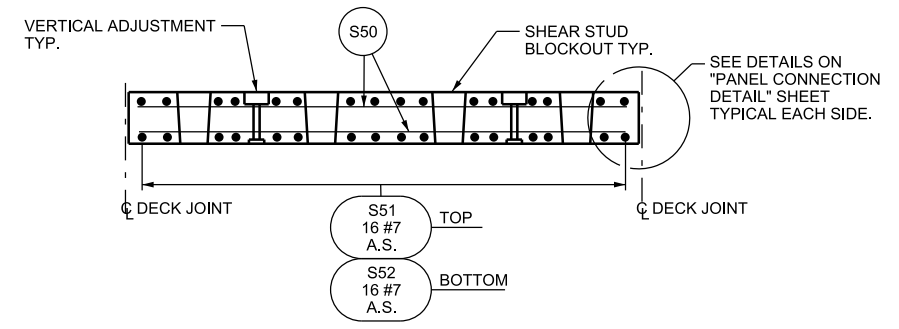


UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.		PRECAST DECK PANEL P13F	
PROJECT NUMBER		F-184-6(97)108		PIN		6560	
COUNTY		MORGAN		DRG. NO.		F-114R	
SHT.		19		OF		54	
REVISION REMARKS		DESIGN	RGN	12/09	CHECK	DD	3/10
		DRAWN	MPP	12/09	CHECK	DD	3/10
		QUANT.	MPP	12/09	CHECK	DD	3/10
APPROVAL		RECOMM.	DATE	APPROVED FOR USE	DATE	BY	
BY		DATE		BY	DATE		
BY		DATE		BY	DATE		
BY		DATE		BY	DATE		

06-APR-2010 D:\A\Files\IP_PWP\Items\1723\6560_F114-19_P13FPanel.dgn

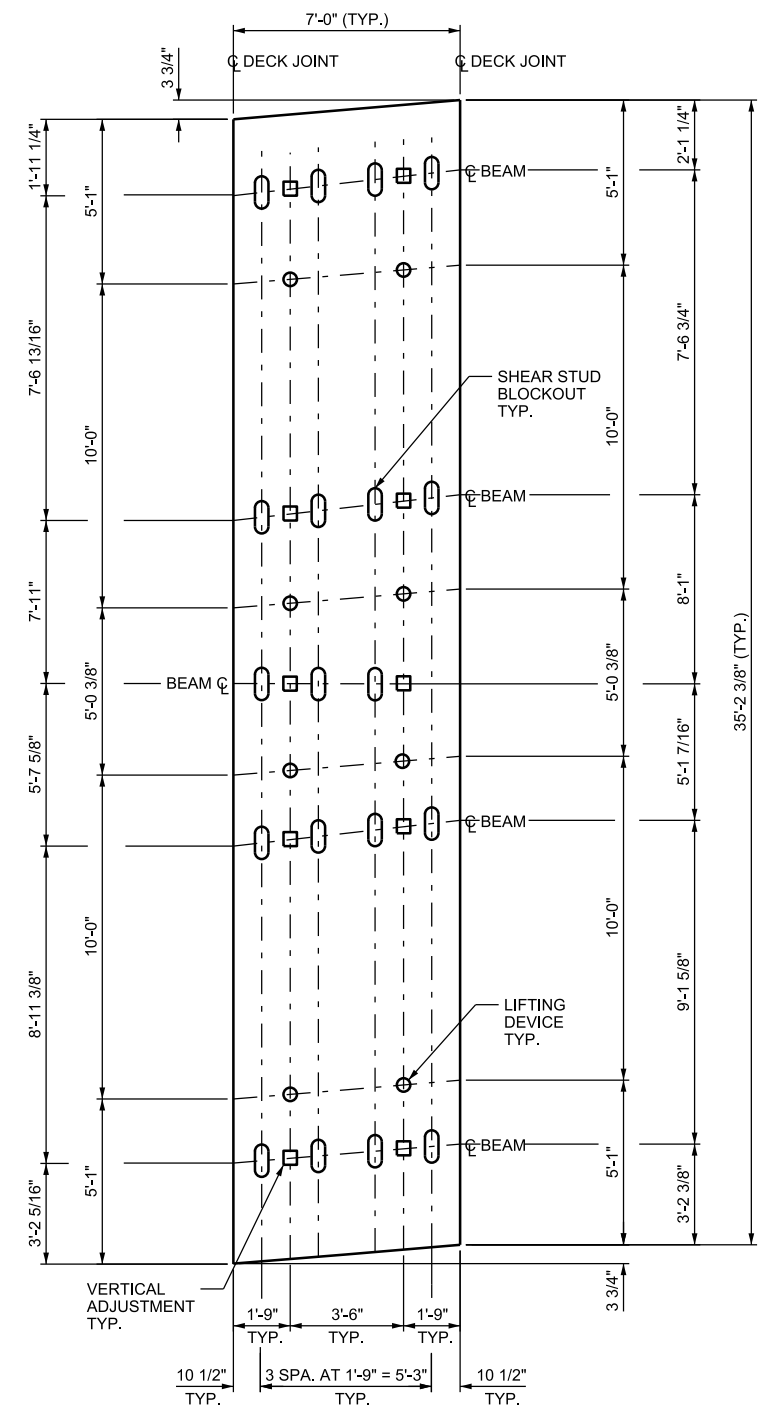


PANEL P14A PLAN



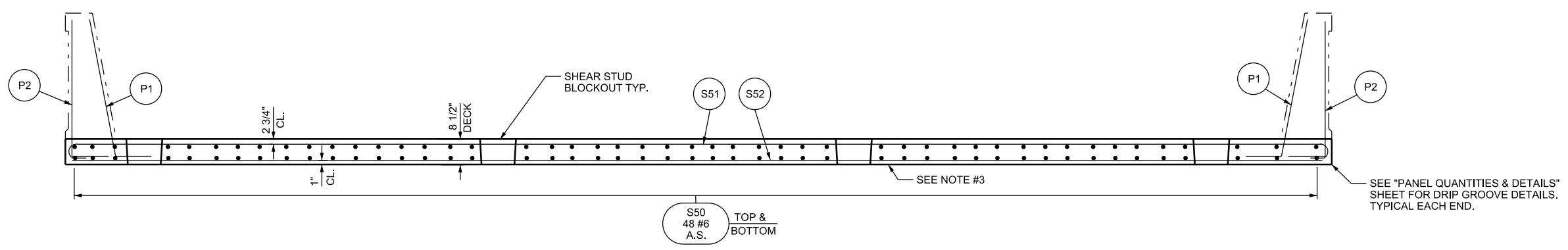
SECTION A-A
MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P14A PLAN

DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.



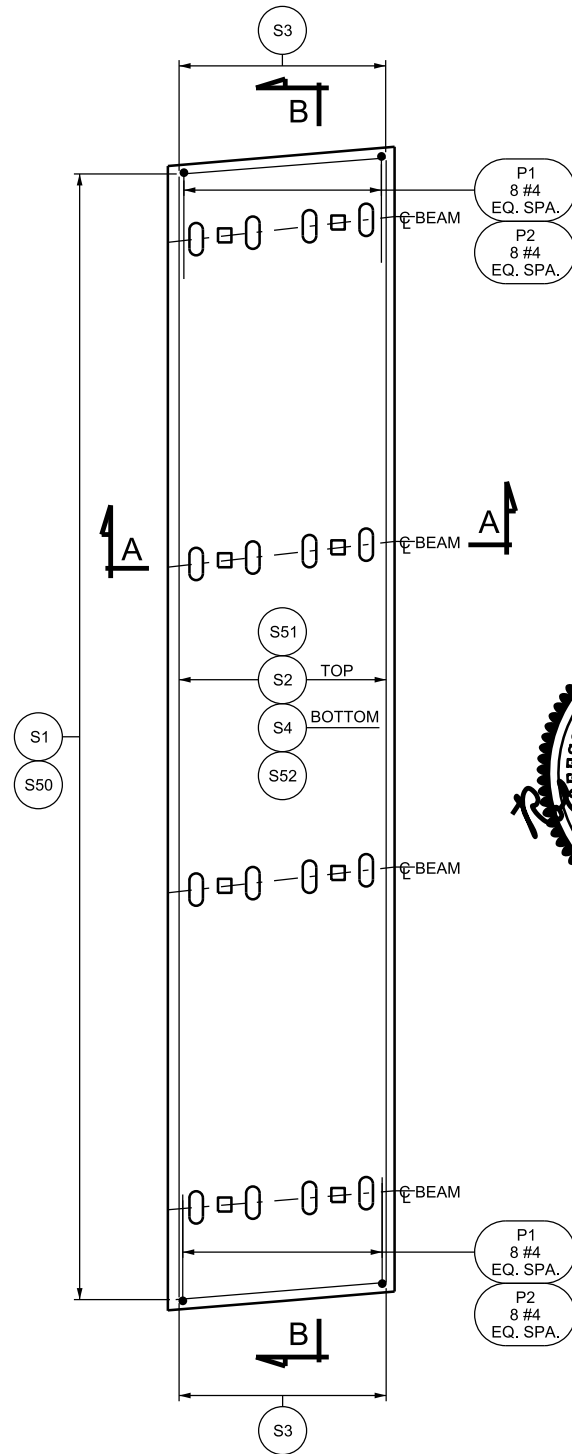
SECTION B-B

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART																	
I-84 OVER U.P.R.R.		PRECAST DECK PANEL P14A																	
PROJECT NUMBER F-184-6(97)108		PIN 6560																	
MORGAN COUNTY		F-114R																	
DRG. NO.		SHT. 20 OF 54																	
<table border="1"> <tr> <th colspan="4">REVISION REMARKS</th> </tr> <tr> <td>DESIGN</td> <td>RGJ</td> <td>12/09</td> <td>CHECK DD 3/10</td> </tr> <tr> <td>DRAWN</td> <td>MPP</td> <td>12/09</td> <td>CHECK DD 3/10</td> </tr> <tr> <td>QUANT.</td> <td>MPP</td> <td>12/09</td> <td>CHECK DD 3/10</td> </tr> </table>				REVISION REMARKS				DESIGN	RGJ	12/09	CHECK DD 3/10	DRAWN	MPP	12/09	CHECK DD 3/10	QUANT.	MPP	12/09	CHECK DD 3/10
REVISION REMARKS																			
DESIGN	RGJ	12/09	CHECK DD 3/10																
DRAWN	MPP	12/09	CHECK DD 3/10																
QUANT.	MPP	12/09	CHECK DD 3/10																
APPROVAL FOR USE BY UDOT		APPROVED FOR USE BY UDOT: <i>[Signature]</i> DATE: 04/05/10 SENIOR DESIGN ENGR.																	
APPROVAL RECOMM. DATE		APPROVED FOR USE BY UDOT: <i>[Signature]</i> DATE: 04/05/10 UDOT BRIDGE ENGR.																	
BY		BY: <i>[Signature]</i> SENIOR DESIGN ENGR.																	

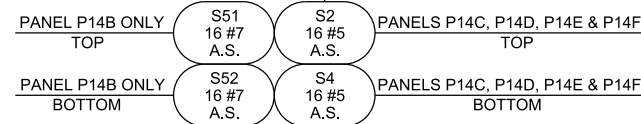
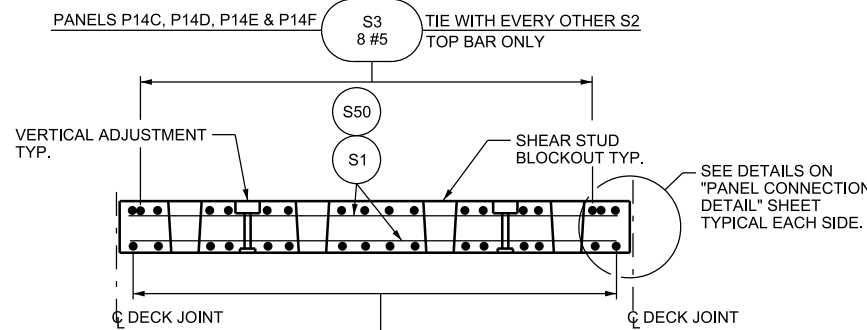
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NOTE: ALL DIMENSIONS SHOWN IN TABLE ARE ALONG EDGE OF PANEL.

PANEL	P14B	P14C	P14D	P14E	P14F
A	3'-2 1/4"	3'-2 1/4"	3'-2 5/16"	2'-2 1/4"	3'-2 1/8"
B	9'-1 5/8"	9'-3 13/16"	9'-6 1/16"	9'-8 1/4"	9'-10 1/2"
C	13'-2 7/16"	10'-0 7/16"	10'-0 7/16"	10'-0 7/16"	10'-0 1/2"
D	7'-6 3/4"	10'-4 1/2"	10'-0 1/4"	9'-10 7/16"	9'-10 9/16"
E	2'-1 5/16"	2'-3 3/8"	2'-5 5/16"	2'-5"	2'-2 11/16"
F	3'-2 5/16"	3'-2 5/16"	3'-2 1/4"	3'-2 1/8"	3'-2 1/4"
G	9'-3 13/16"	9'-6 1/16"	9'-8 1/4"	9'-10 1/2"	10'-0 11/16"
H	12'-10 5/16"	10'-0 7/16"	10'-0 7/16"	10'-0 1/2"	10'-0 1/2"
J	7'-6 5/8"	10'-0 1/4"	9'-10 7/16"	9'-10 9/16"	9'-10 5/8"
K	2'-3 5/16"	2'-5 5/16"	2'-5"	2'-2 11/16"	2'-0 5/16"



PANEL P14B THRU P14F PLAN

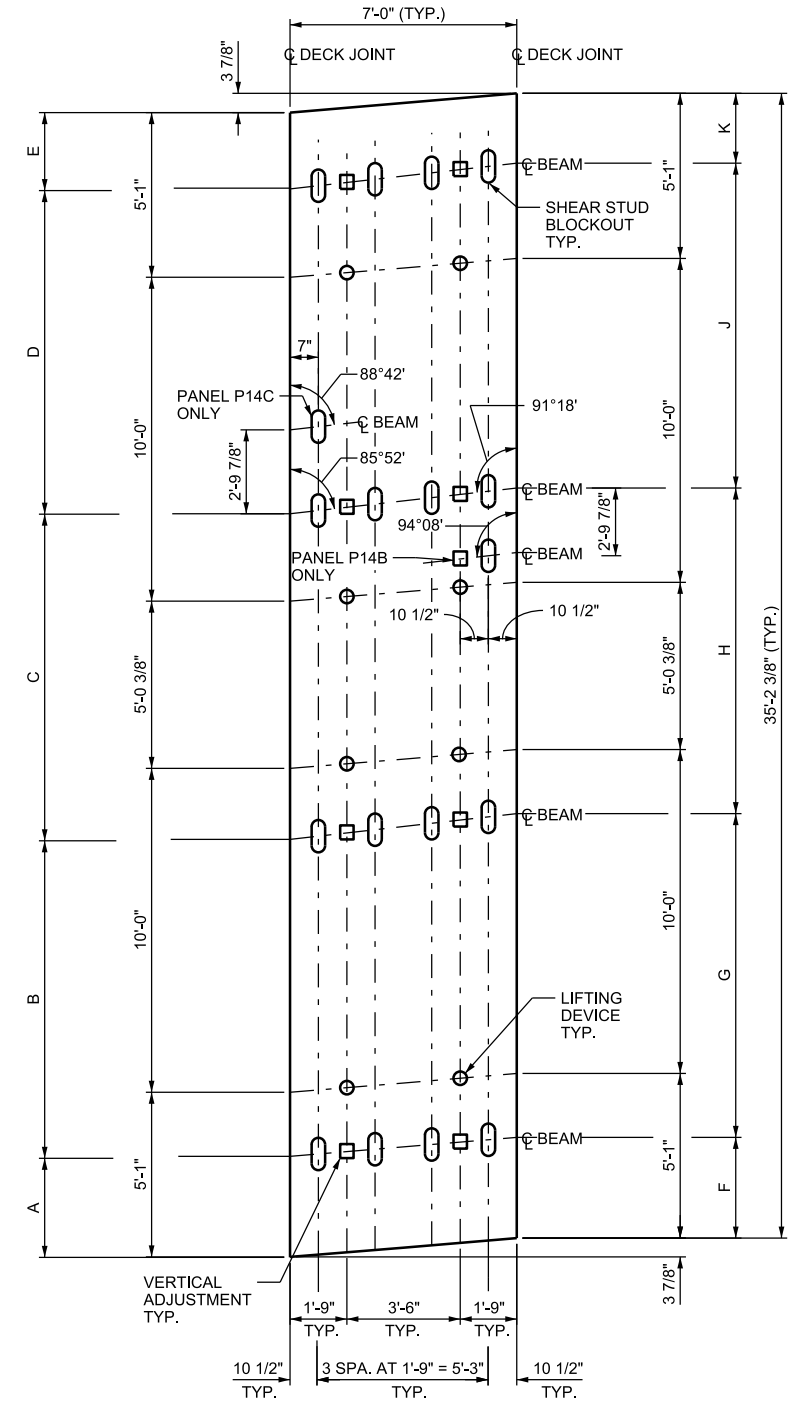


SECTION A-A

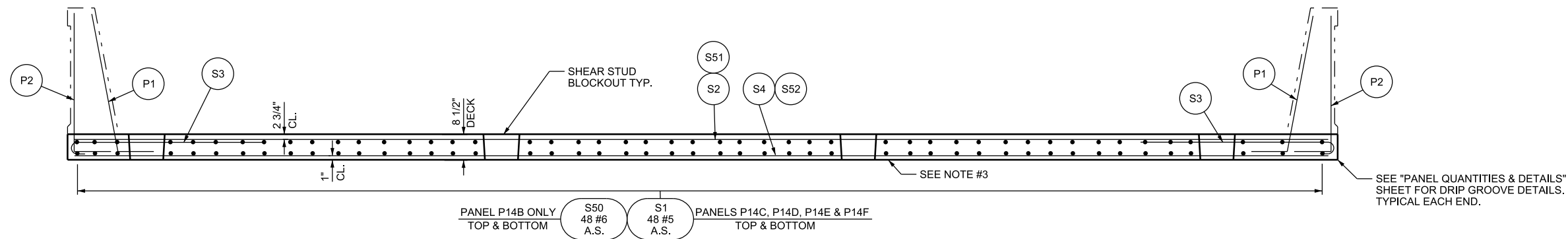
MOVE BARS TO CLEAR OBSTRUCTIONS

NOTES:

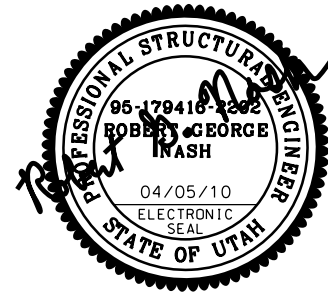
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
- SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
- ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P14B THRU P14F PLAN



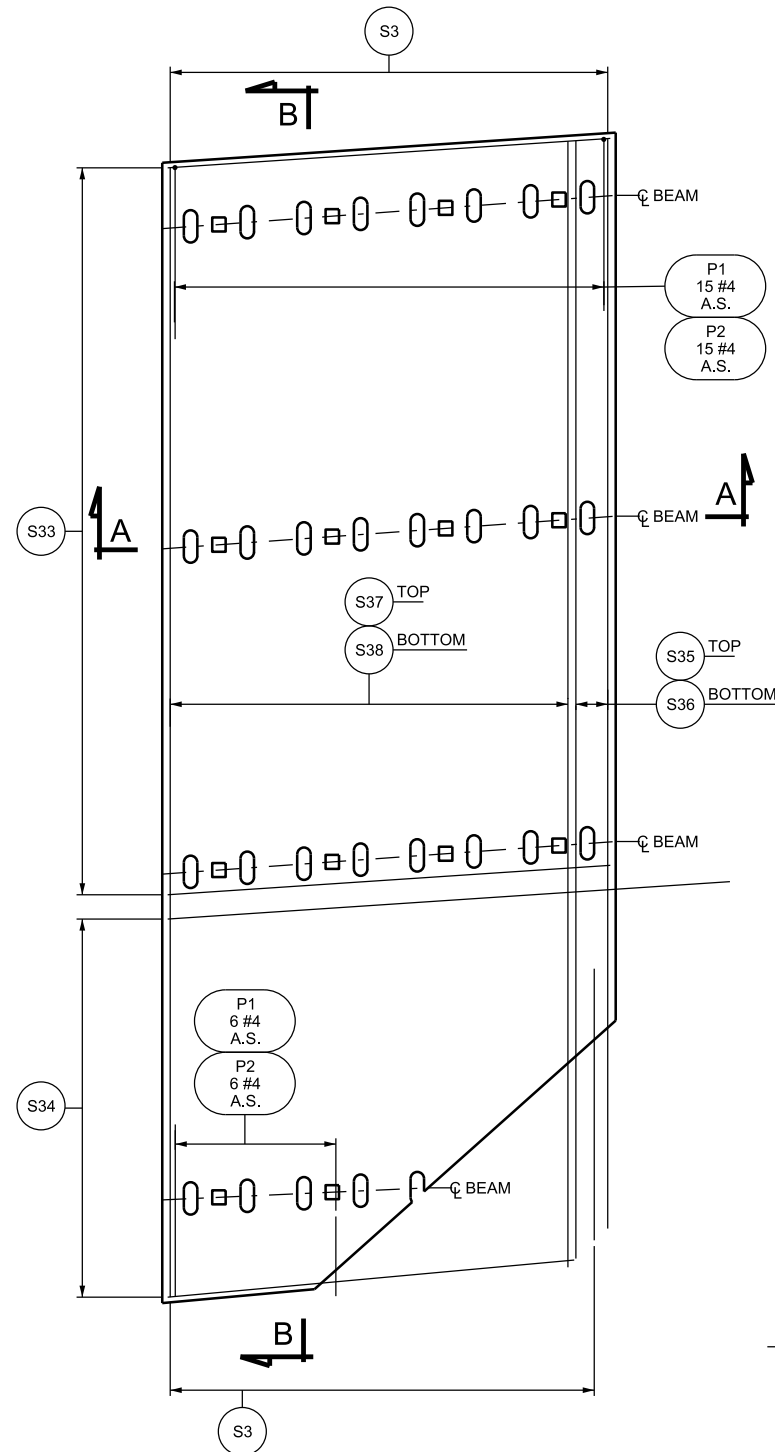
SECTION B-B



UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PRECAST DECK PANEL P14B THRU P14F	
PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R	
DRG. NO.		SHT. 21 OF 54	
REVISION REMARKS		DESIGN RGN 12/09	CHECK DD 3/10
BY		DRAWN MPP 12/09	CHECK DD 3/10
DATE		APPROVED FOR USE BY UDOT	QUANT. MPP 12/09
APPROVAL RECOMM. 04/05/10		DATE	DATE
SENIOR DESIGN ENGR. Robert D. Nash		DATE	DATE
UDOT BRIDGE ENGR. [Signature]		DATE	DATE

05-APR-2010 D:_F:_P\Projects\1723\6560-F114-21-P14F-panel.dgn

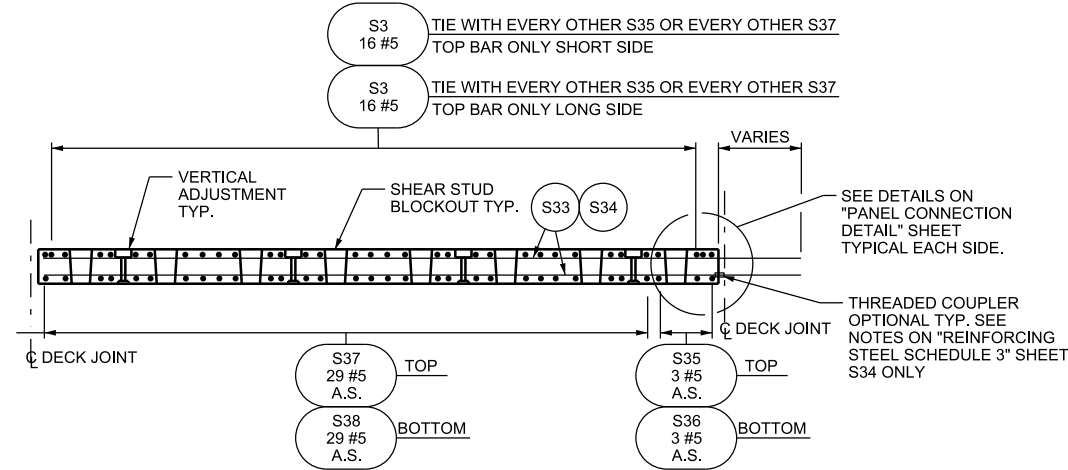
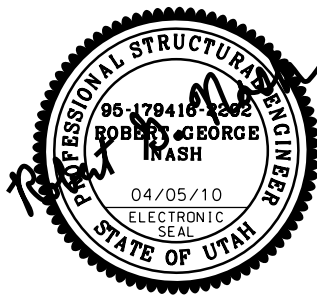
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PANEL P15 PLAN

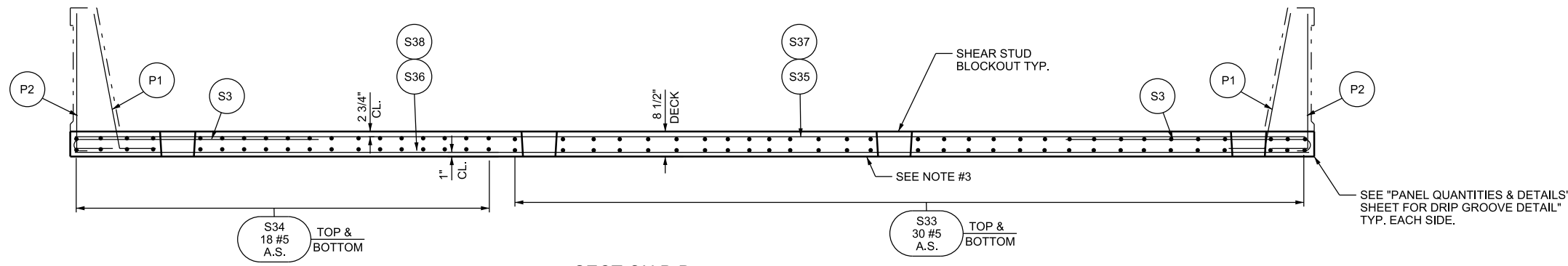
MOVE BARS TO CLEAR OBSTRUCTIONS

- NOTES:
- FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 - SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 - ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.

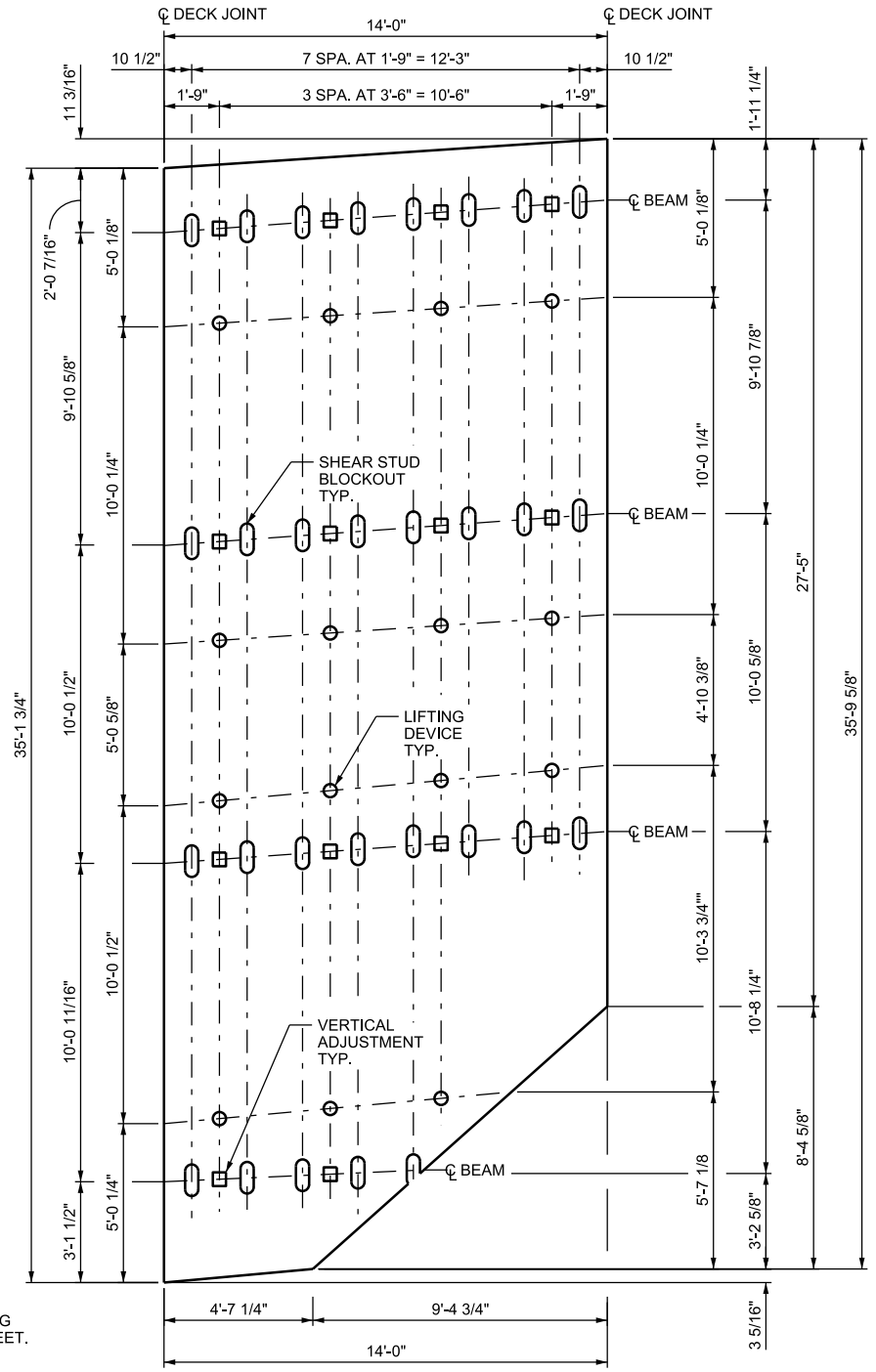


SECTION A-A

MOVE BARS TO CLEAR OBSTRUCTIONS



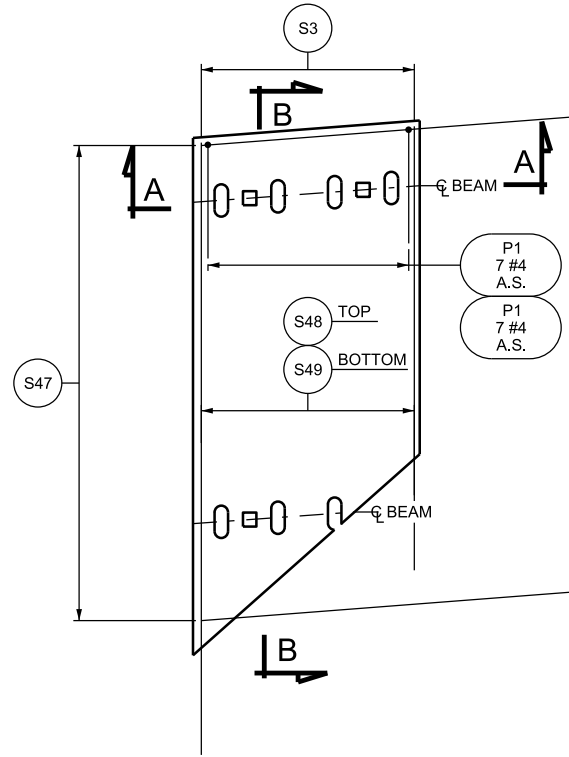
SECTION B-B



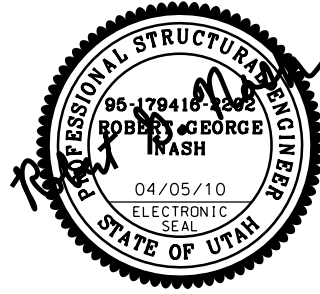
PANEL P15 PLAN

DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.

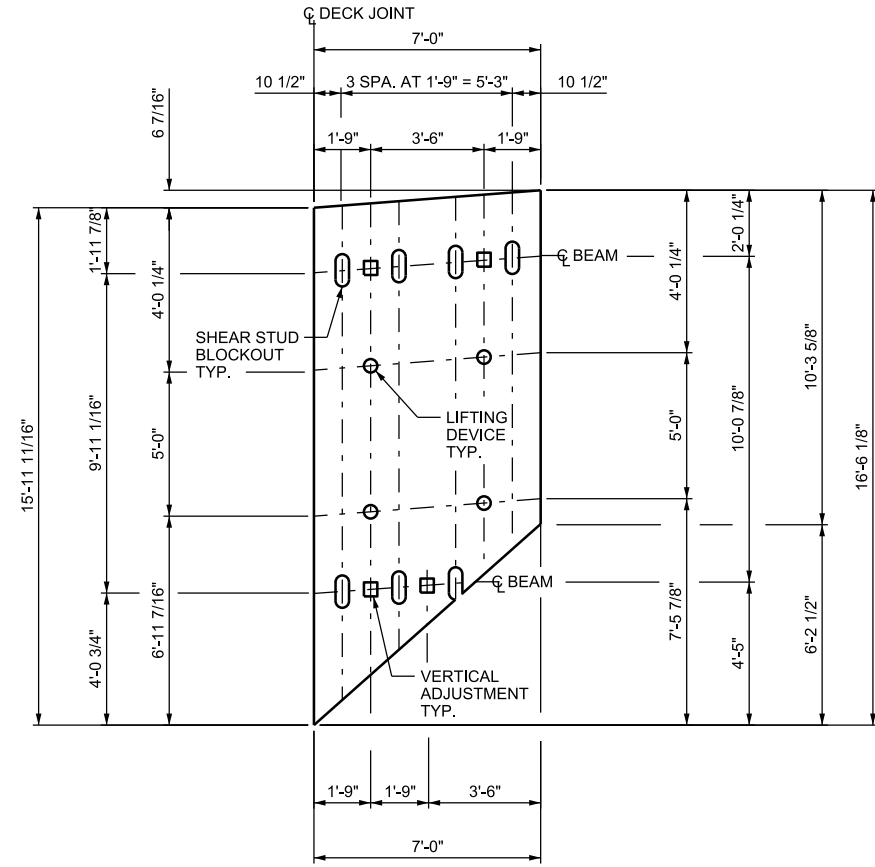
UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.		PROJECT NUMBER	
PRECAST DECK PANEL P15		F-184-6(97)108		PIN 6560		MORGAN COUNTY	
F-114R		DRG. NO.		SHT. 22		OF 54	
REVISION REMARKS		DESIGN RGN	12/09	CHECK DD	3/10	DESIGN RGN	12/09
		DRAWN MPP	12/09	CHECK DD	3/10	DRAWN MPP	12/09
		QUANT. MPP	12/09	CHECK DD	3/10	QUANT. MPP	12/09
		BY		BY		BY	
		DATE		DATE		DATE	
		APPROVAL	04/05/10	APPROVAL	04/05/10	APPROVAL	04/05/10
		RECOMM.		RECOMM.		RECOMM.	
		FOR USE		FOR USE		FOR USE	
		BY		BY		BY	
		DATE		DATE		DATE	
		ROBERT D. NASH		ROBERT D. NASH		ROBERT D. NASH	
		SENIOR DESIGN ENGR.		SENIOR DESIGN ENGR.		SENIOR DESIGN ENGR.	
		LIJOT BRIDGE ENGR.		LIJOT BRIDGE ENGR.		LIJOT BRIDGE ENGR.	



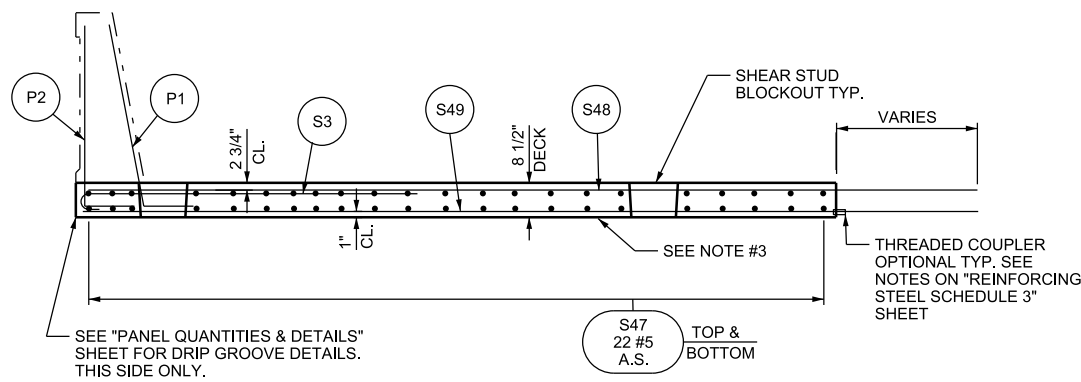
PANEL P16 PLAN
MOVE BARS TO CLEAR OBSTRUCTIONS



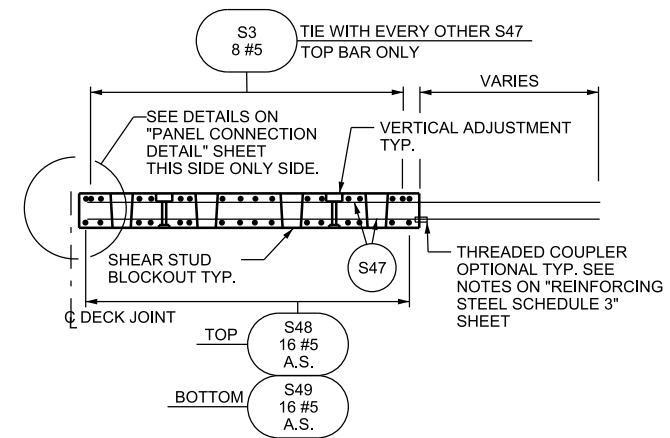
- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P16 PLAN
DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.



SECTION B-B



SECTION A-A
MOVE BARS TO CLEAR OBSTRUCTIONS

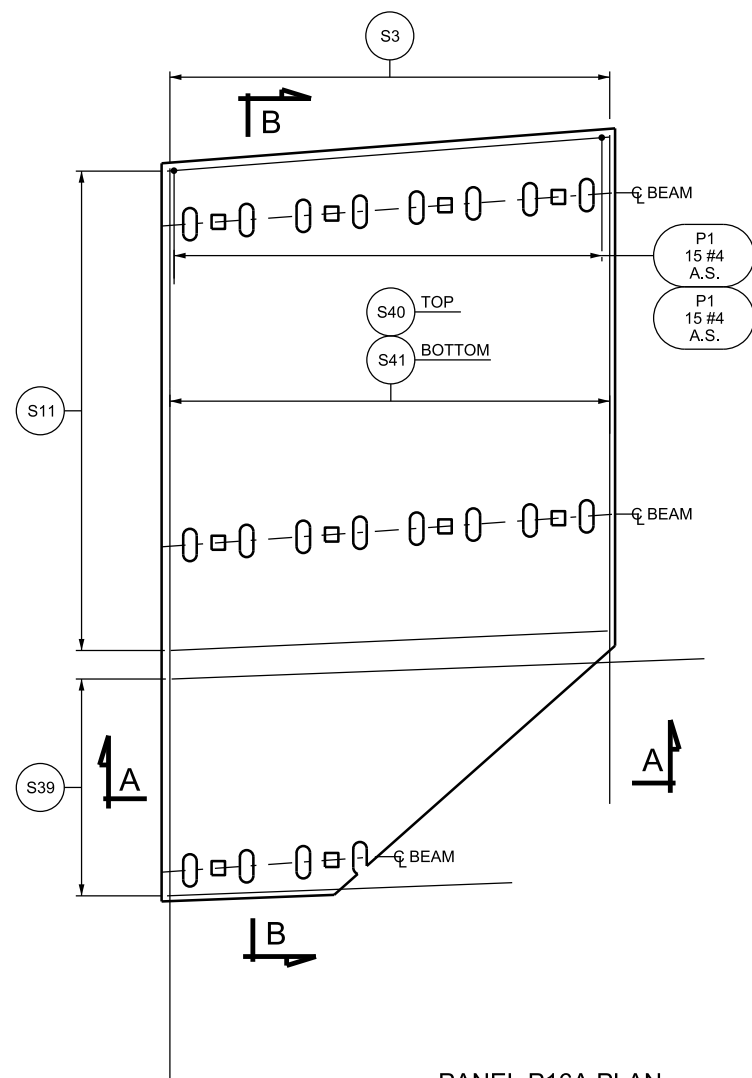
REVISION REMARKS		DESIGN	CHECK	DATE
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2		MPP	DD	3/10
3		MPP	DD	3/10

UTAH DEPARTMENT OF TRANSPORTATION

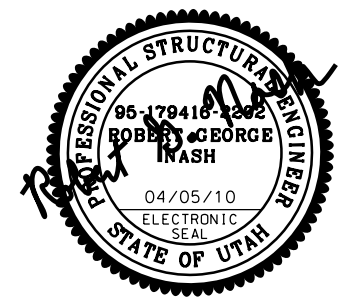
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
PRECAST DECK PANEL P16
PROJECT NUMBER: F-184-6(97)108
PIN: 6560

MORGAN COUNTY
F-114R
DRG. NO.

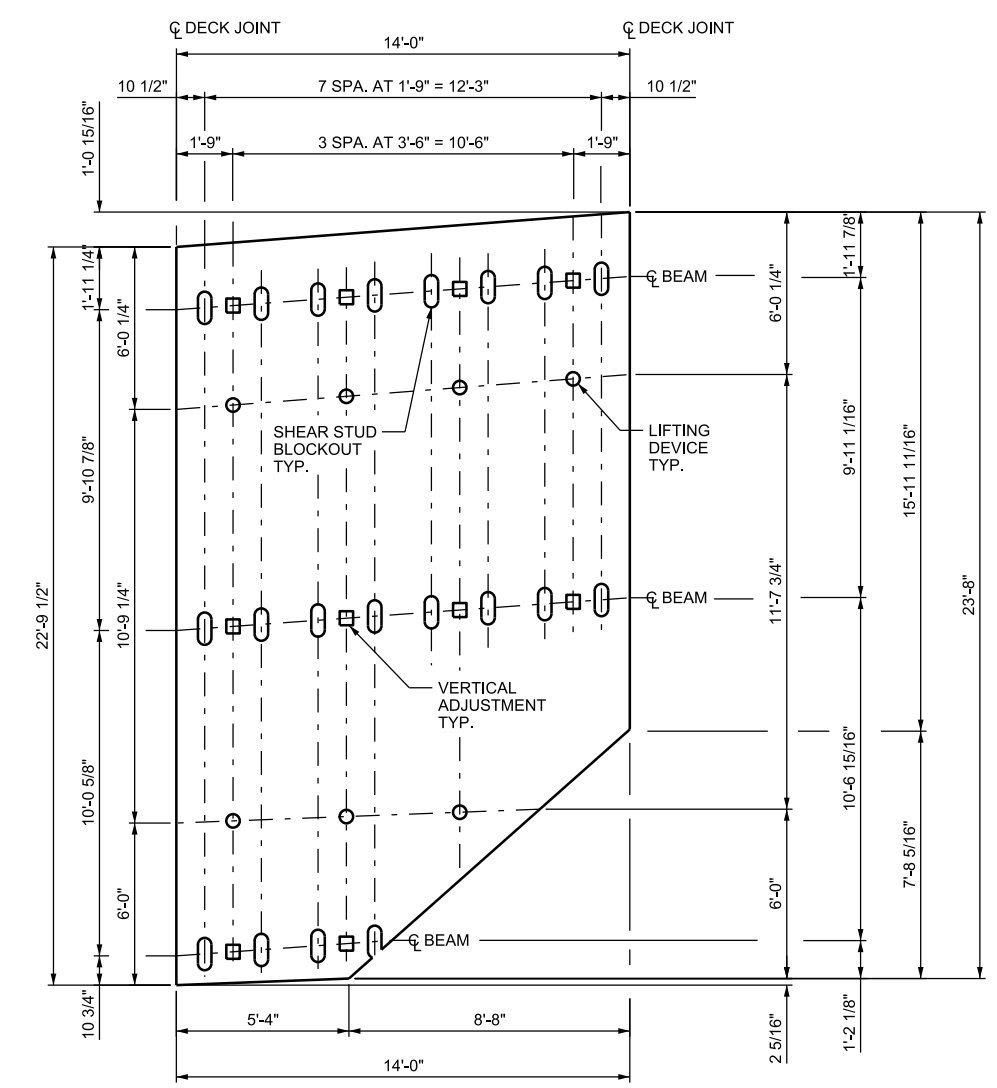
05-APR-2010 D:\A_Files\IP_PWP\Items\1723\6560_F114-23_P16\panel.dgn



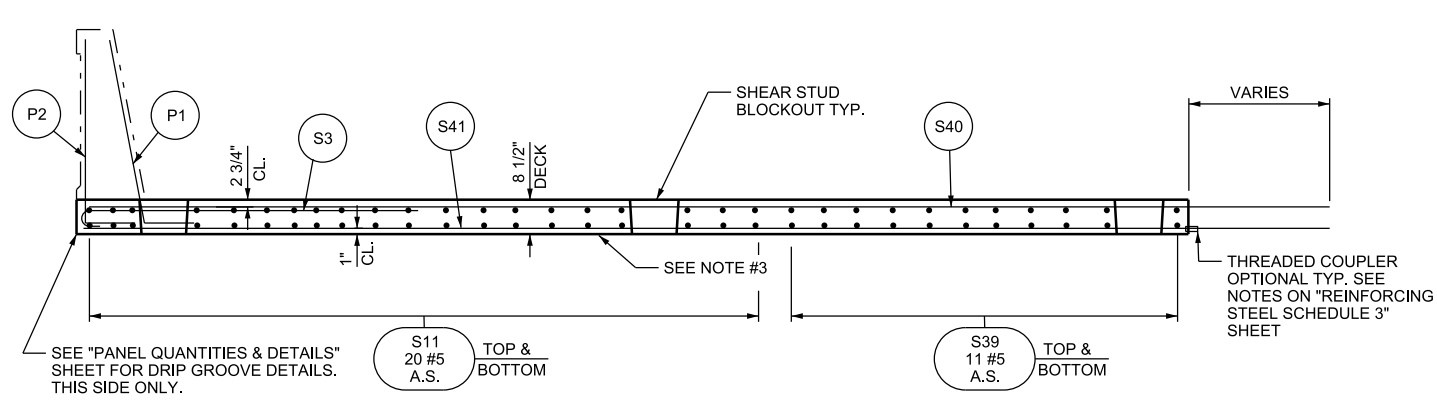
PANEL P16A PLAN
MOVE BARS TO CLEAR OBSTRUCTIONS



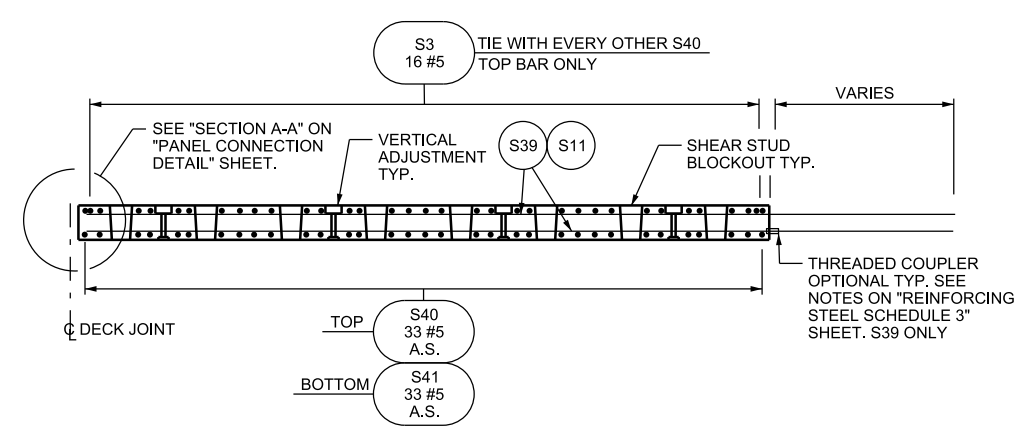
- NOTES:
1. FOR LIFTING DEVICE DETAIL, VERTICAL ADJUSTMENT DETAILS, SHEAR STUD BLOCKOUT AND SHEAR STUD DETAILS SEE "PANEL QUANTITIES AND DETAILS" SHEET.
 2. SEE "W.B.L. SINGLE SLOPE PARAPET" SHEET FOR ADDITIONAL PARAPET DETAILS.
 3. ROUGHEN BOTTOM SURFACE OF PANEL TO AMPLITUDE OF 1/4" ONE FOOT EACH SIDE OF CENTERLINE BEAM ON ALL BEAM LINES.



PANEL P16A PLAN
DIMENSIONS ARE ALONG EDGE OF PANEL EXCEPT AS SHOWN.



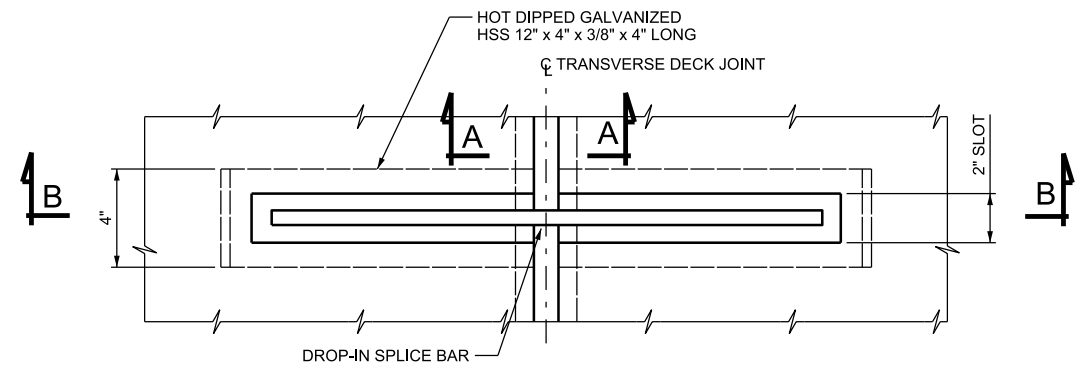
SECTION B-B
MOVE BARS TO CLEAR OBSTRUCTIONS



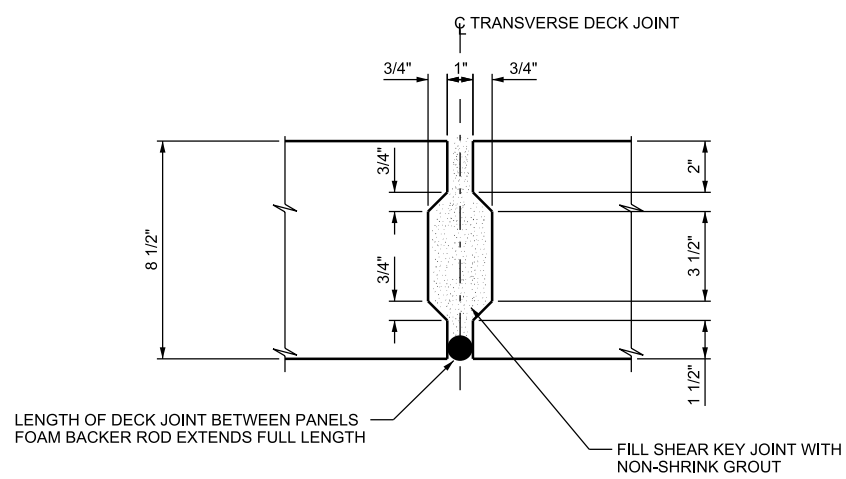
SECTION A-A
MOVE BARS TO CLEAR OBSTRUCTIONS

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
PROJECT NUMBER: F-184-6(97)108		I-84 OVER U.P.R.R.	
PIN: 6560		PRECAST DECK PANEL P16A	
MORGAN COUNTY		DRG. NO. F-114R	
SHT. 23A OF 54		REVISION REMARKS	
NO.	DATE	BY	REVISION
DESIGN	04/05/10	RG	DD
DRAWN	04/05/10	MPP	DD
APPROVED FOR USE	04/05/10	MPP	DD
BY UDOT			

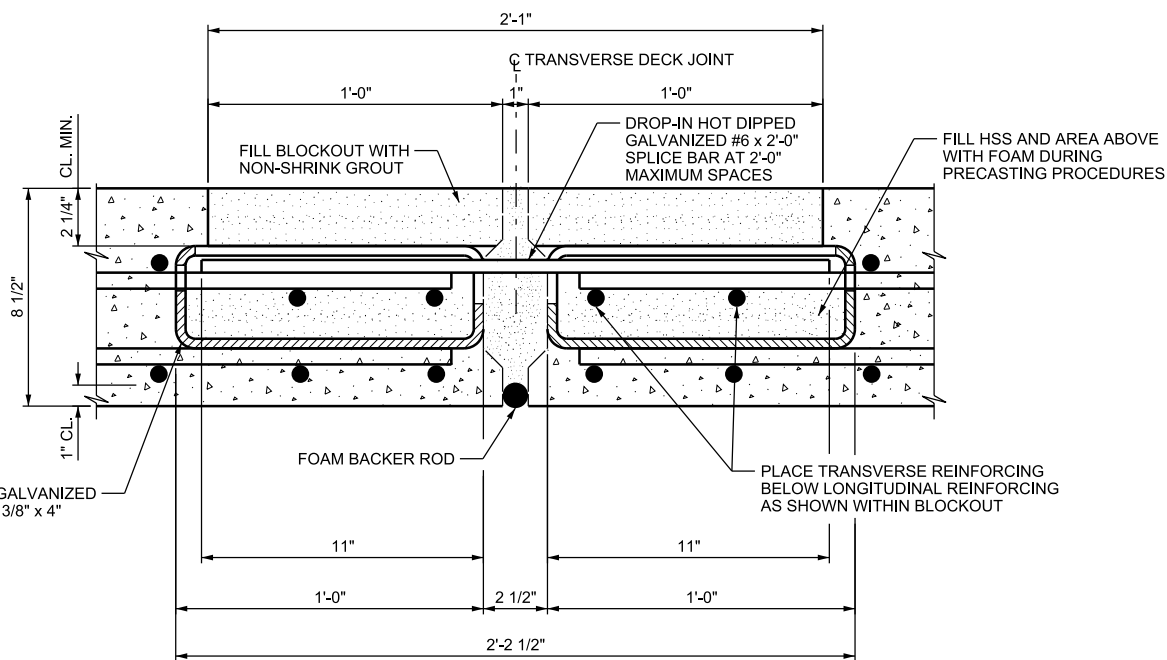
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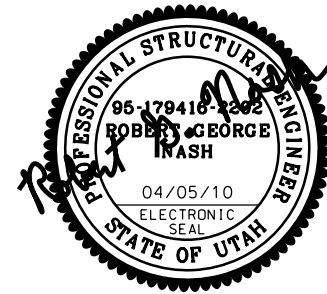
SHEAR KEYWAY CONNECTION PLAN



SECTION A-A

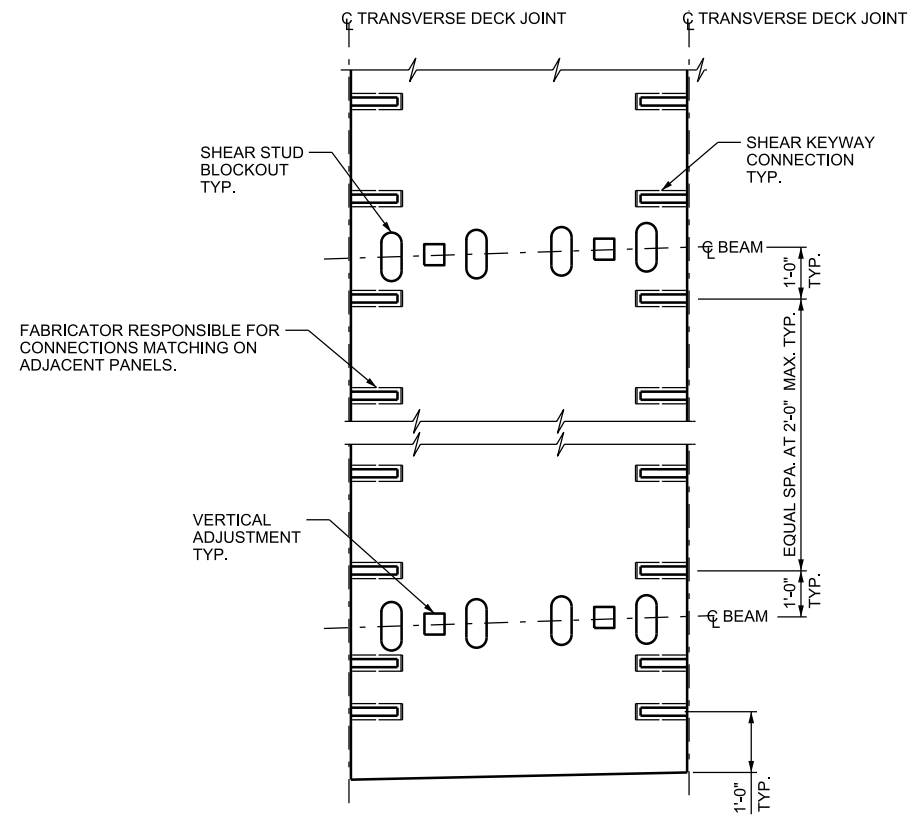


SECTION B-B

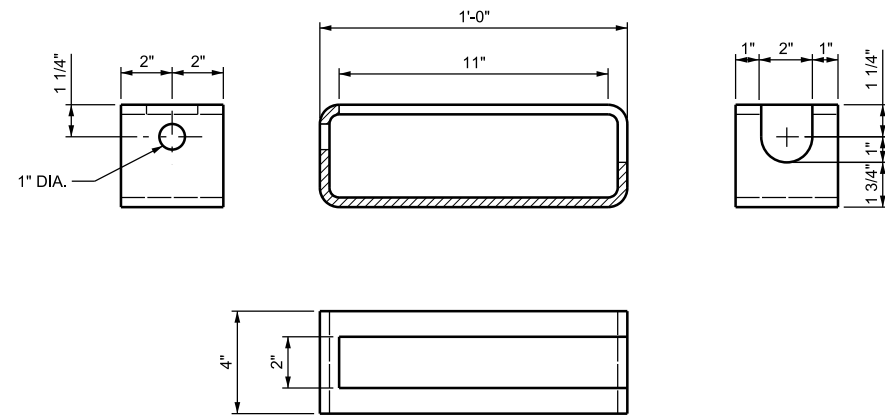


NOTES:

1. ALL JOINT SURFACES WILL HAVE A HEAVY BROOM FINISH.
2. INCLUDE ENTIRE PANEL CONNECTION COST IN THE COST OF PRECAST CONCRETE DECK PANEL PAY ITEM.



SHEAR KEYWAY LAYOUT



HOLLOW STRUCTURAL SECTION

IN SHEAR KEY

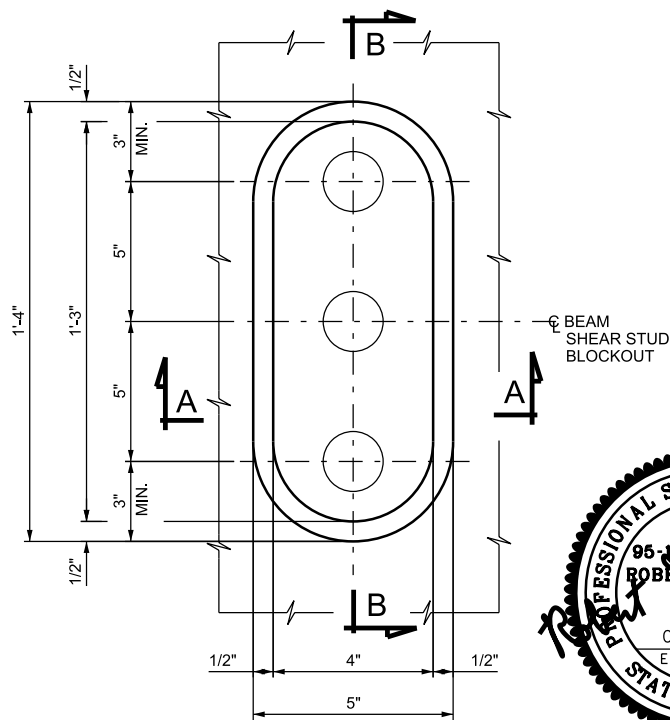
NO.	DATE	BY	REVISION REMARKS
DESIGN	12/09	RG	CHECK DD 3/10
DRAWN	12/09	MPP	CHECK DD 3/10
QUANT.	12/09	MPP	CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

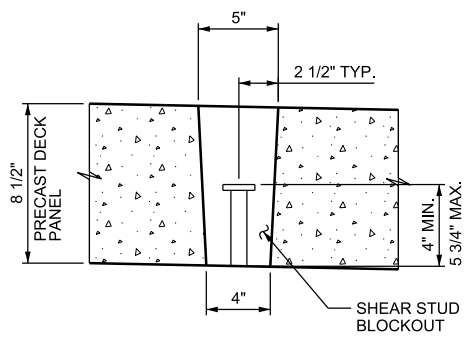
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
 I-84 OVER U.P.R.R.
 PANEL CONNECTION DETAIL
 PROJECT NUMBER F-184-6(97)108
 PIN 6560

MORGAN COUNTY
 F-114R
 DRG. NO.

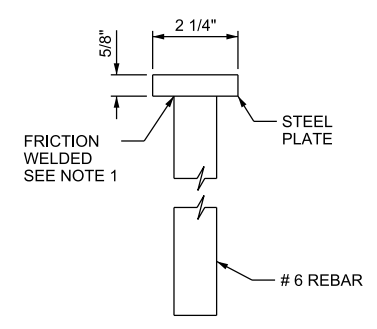
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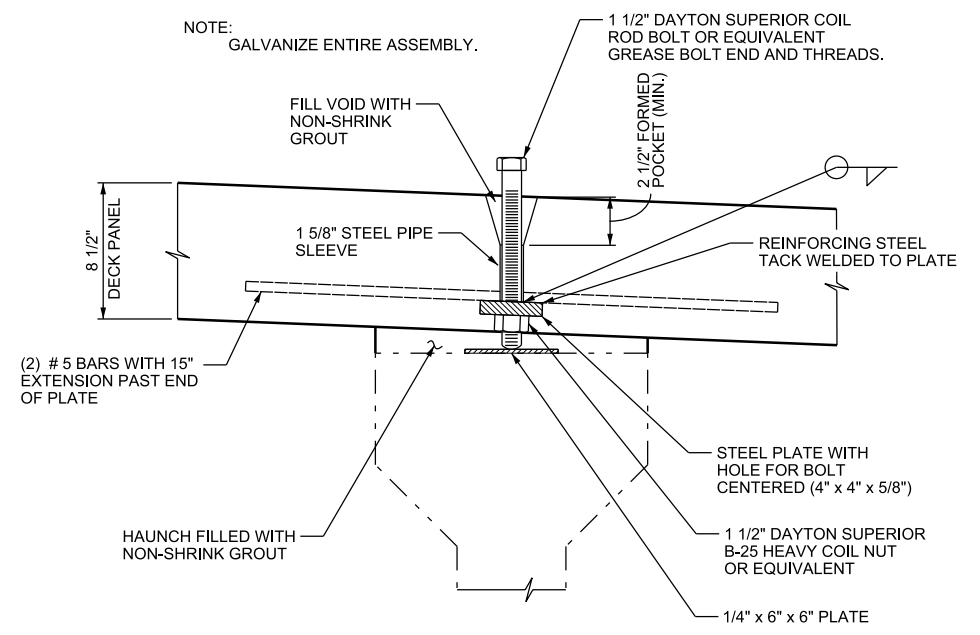
SHEAR STUD BLOCKOUT PLAN
OVER BEAMS ONLY



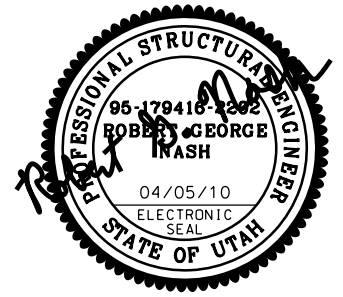
SECTION A-A



STUD DETAIL



VERTICAL ADJUSTMENT DETAIL



PRECAST CONCRETE DECK PANELS * LIGHTWEIGHT STRUCTURAL CONCRETE QUANTITIES (CU. YDS.) AA (AE) CONCRETE

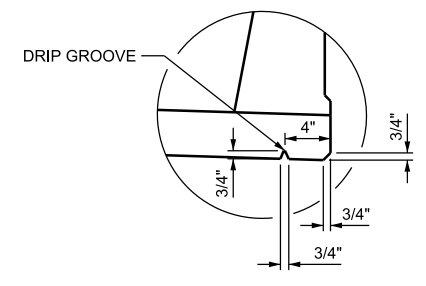
LOCATION	CU. YDS. PER PANEL	NO. OF PANELS	TOTAL
PANEL P1	4.8	1	4.8
PANEL P1A	3.9	1	3.9
PANEL P2	11.7	1	11.7
PANEL P3	6.5	6	39.0
PANEL P4	6.5	6	39.0
PANEL P5	6.5	6	39.0
PANEL P6	6.5	7	45.5
PANEL P7	10.8	1	10.8
PANEL P8	5.0	1	5.0
PANEL P8A	4.0	1	4.0
PANEL P9	5.4	1	5.4
PANEL P10	10.3	1	10.3
PANEL P11	6.5	6	39.0
PANEL P12	6.5	6	39.0
PANEL P13	6.5	6	39.0
PANEL P14	6.5	6	39.0
PANEL P15	12.0	1	12.0
PANEL P16	2.4	1	2.4
PANEL P16A	7.6	1	7.6
TOTAL FOR ALL DECK PANELS			396.2

* QUANTITIES ARE FOR INFORMATION ONLY, AND INCLUDE PANELS ONLY.

PRECAST CONCRETE APPROACH SLABS * LIGHTWEIGHT STRUCTURAL CONCRETE QUANTITIES (CU. YDS.) AA (AE) CONCRETE

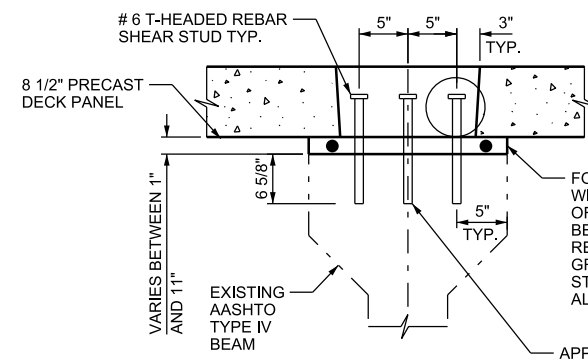
LOCATION	CU. YDS. PER PANEL	NO. OF PANELS	TOTAL
PANEL AP1	7.8	1	7.8
PANEL AP2	7.2	3	21.6
PANEL AP3	7.3	1	7.3
PANEL AP4	7.3	1	7.3
PANEL AP5	7.3	3	21.9
PANEL AP6	7.6	1	7.6
PANEL AP7	7.3	1	7.3
PANEL AP8	7.3	3	21.9
PANEL AP9	7.5	1	7.5
PANEL AP10	7.5	1	7.5
PANEL AP11	7.3	3	21.9
PANEL AP12	7.5	1	7.5
TOTAL FOR ALL APPROACH SLAB PANELS			147.1

* QUANTITIES ARE FOR INFORMATION ONLY, AND INCLUDE PANELS ONLY.



DRIP GROOVE DETAIL

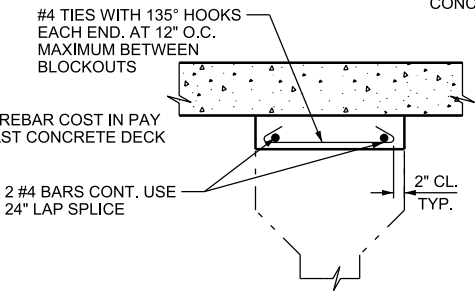
NOTE:
VERIFY THE LOCATION OF PICK POINTS FOR ERECTION PURPOSES AND VERIFY REINFORCING REQUIREMENTS AS NECESSARY. ADDITIONAL REINFORCING REQUIRED BY NEW LOCATIONS OF PICK POINTS ARE THE RESPONSIBILITY OF THE FABRICATOR AND ARE PAID UNDER THE BID ITEM "PRECAST CONCRETE DECK PANEL", "PRECAST APPROACH SLAB PANEL" OR "PRECAST CONCRETE SLEEPER SLAB".



SECTION B-B

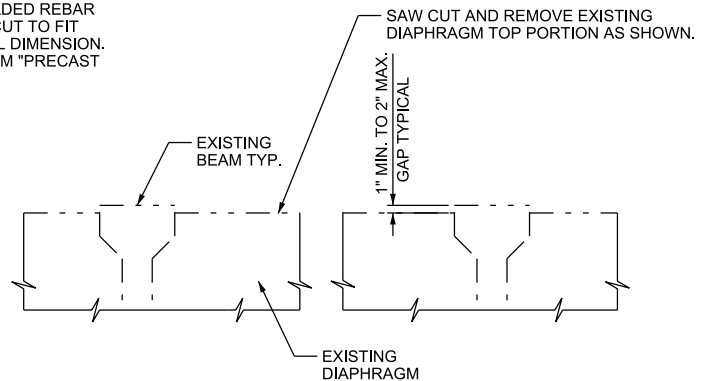
FORM CAMBER STRIP AND FILL WITH NON-SHRINK GROUT. METHOD OF FORMING CAMBER STRIP TO BE DETERMINED BY THE CONTRACTOR. REMOVE CAMBER STRIP FORMS AFTER GROUT OBTAINS A COMPRESSIVE STRENGTH OF 3,000 PSI. NO FORMING ALLOWED ON TOP OF BEAM FLANGE.

APPROVED EPOXY ANCHORAGE WITH A MINIMUM PULLOUT STRENGTH OF 26.4 KIPS. 6 5/8" EMBEDMENT DEPTH ASSUMED IN SIZING REBAR (TYP.) DEPTH OF CAMBER STRIP VARIES FROM APPROXIMATELY 1" TO APPROXIMATELY 11". CONTRACTOR IS TO OVERSIZE #6 T-HEADED REBAR SHEAR STUD AND FIELD CUT TO FIT AFTER VERIFYING ACTUAL DIMENSION. INCLUDE COST IN PAY ITEM "PRECAST CONCRETE DECK PANEL".



CAMBER STRIP DETAIL
IN BETWEEN SHEAR STUD BLOCKOUTS

NOTE:
INCLUDE #4 REBAR COST IN PAY ITEM "PRECAST CONCRETE DECK PANEL".



ELEVATION VIEW OVER EXISTING INTERMEDIATE AND BEAM END DIAPHRAGMS AT BENT #2 AND #3

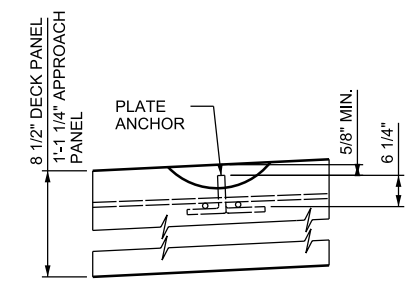


PLATE ANCHOR ELEVATION

DECK PANEL SHOWN, APPROACH PANEL AND SLEEPER SLAB SIMILAR

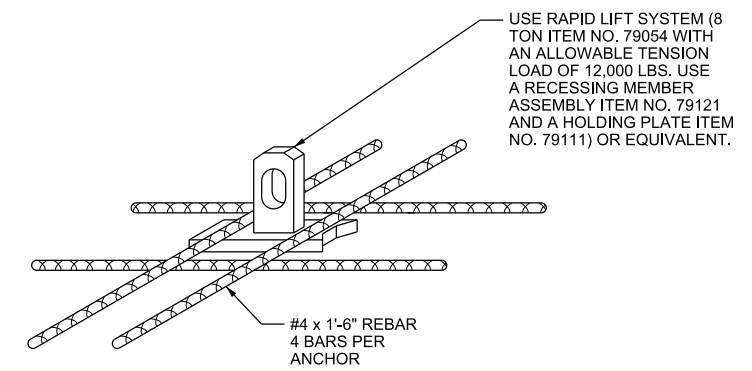


PLATE ANCHOR DETAIL

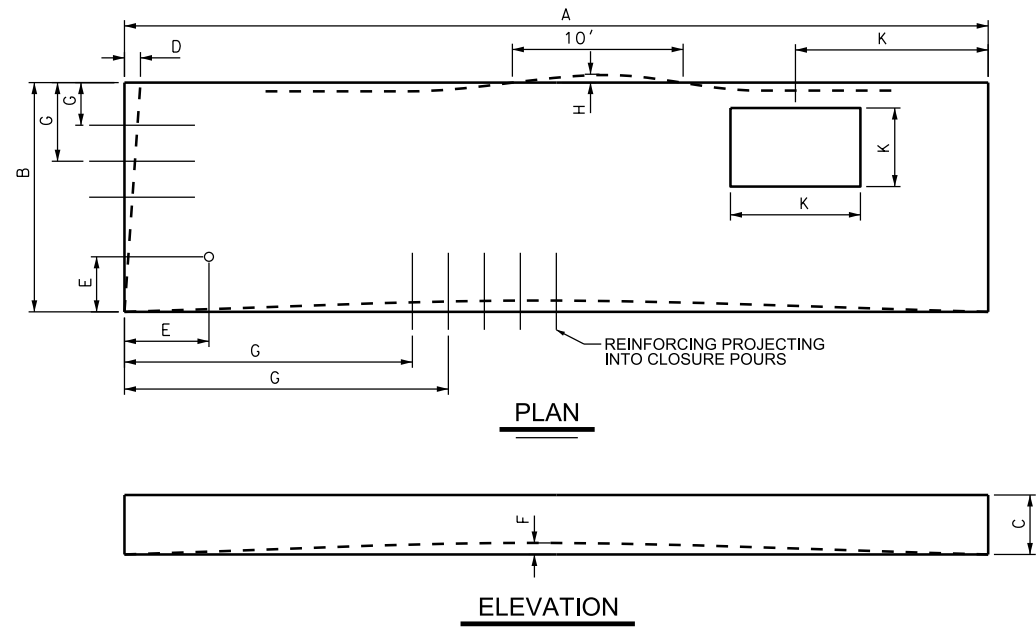
NO.	DATE	BY	REVISION
DESIGN	12/09	RGN	CHECK DD 3/10
DRAWN	12/09	MPP	CHECK DD 3/10
QUANT.	12/09	MPP	CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
PANEL QUANTITIES & DETAILS
PROJECT NUMBER: F-184-6(97)108
PIN: 6560

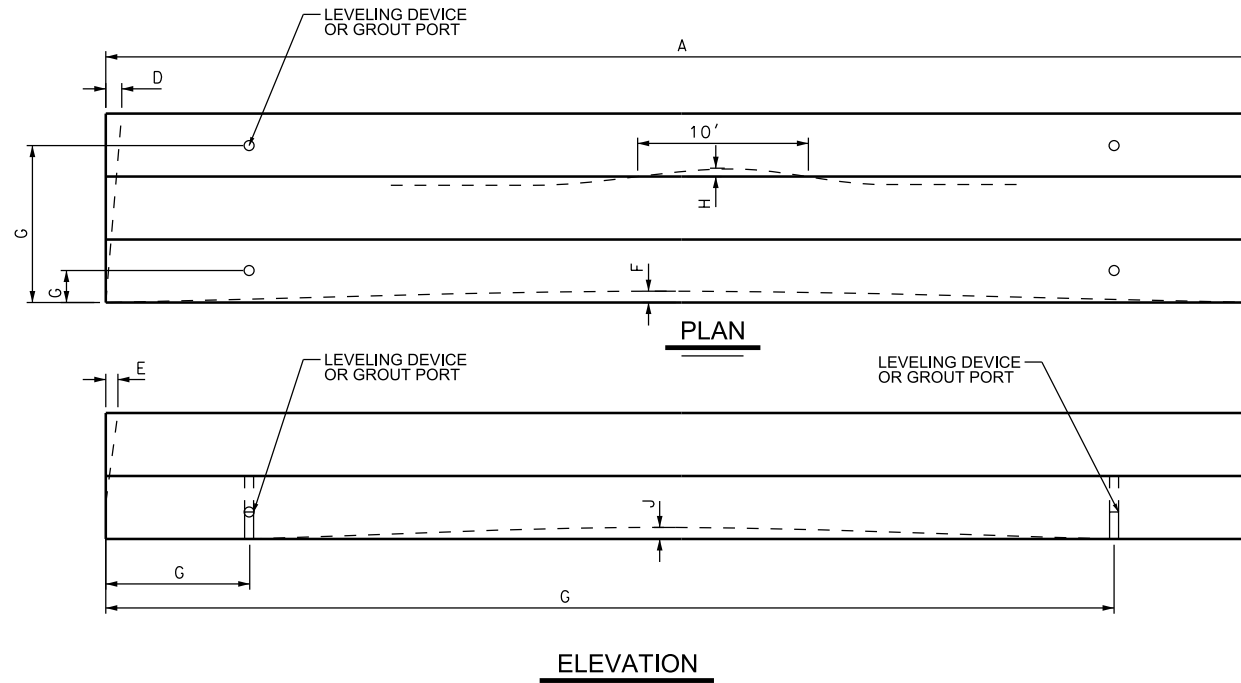
MORGAN COUNTY
F-114R
DRG. NO.

DDA, File: IP_PWP\plans\1723\6560_F114-25_Panel10.dwg 05-APR-2010



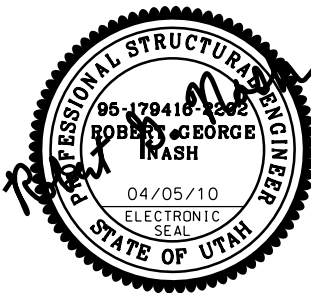
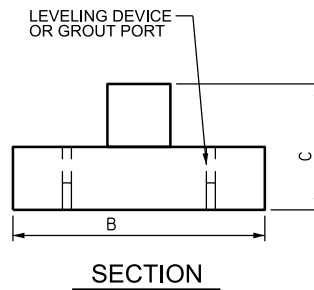
APPROACH SLAB TOLERANCES

A	LENGTH	± 1/4"
B	WIDTH (OVERALL)	± 1/4"
C	DEPTH (OVERALL)	± 1/4"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	± 1/2"
E	LOCATION OF LEVELING BOLTS	± 1"
F	SWEEP OVER MEMBER LENGTH:	± 3/8"
G	LOCATION OF PROJECTING REINFORCING MEASURED FROM A COMMON REFERENCE POINT	± 1/2"
H	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/4" IN 10 FEET
K	LOCATION AND SIZE OF BLOCKOUT FOR BASINS	± 1/2"



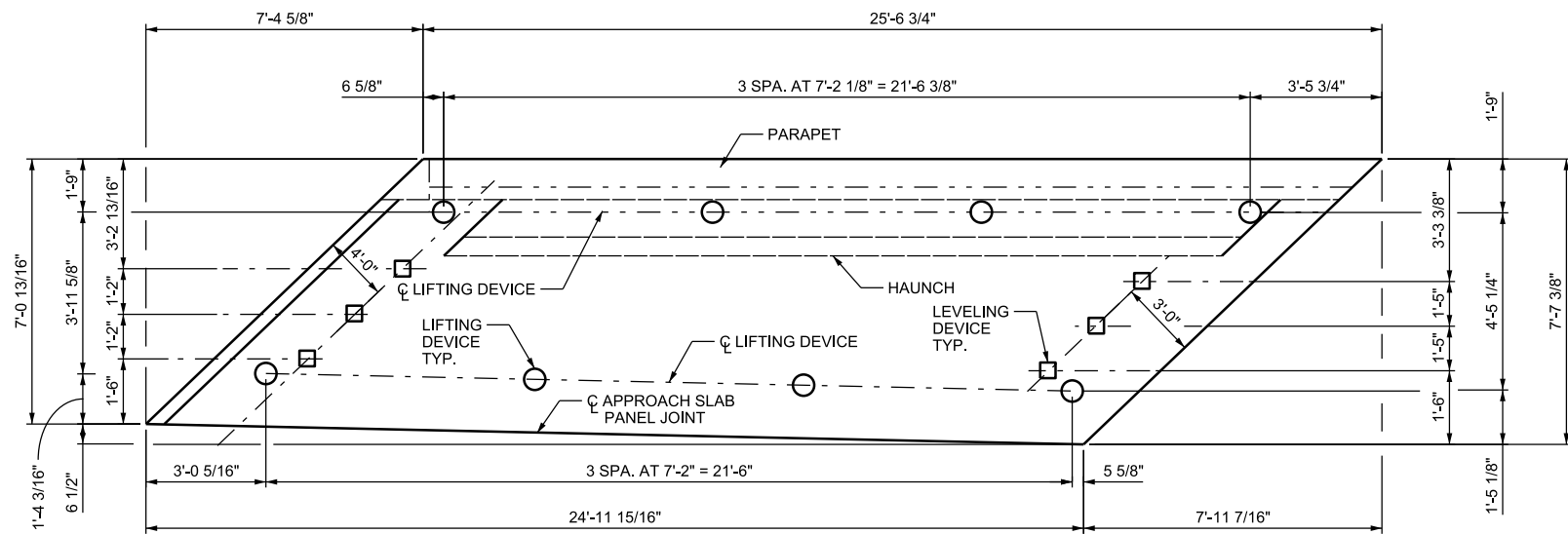
SLEEPER SLAB FABRICATION TOLERANCES

A	LENGTH	± 1/2"
B	WIDTH (OVERALL)	± 1/4"
C	DEPTH (OVERALL)	± 1/4"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	± 1/8" PER 12 INCH WIDTH ± 1/2" MAXIMUM
E	VARIATION FROM SPECIFIED ELEVATION END SQUARENESS OR SKEW	± 1/8" PER 12 INCH WIDTH ± 1/2" MAXIMUM
F	SWEEP OVER MEMBER LENGTH:	± 1/2"
G	LOCATION OF LEVELING DEVICE OR GROUT PORT MEASURED FROM A COMMON REFERENCE POINT	± 2"
H	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/4" IN 10 FEET
J	VARIATION FROM SPECIFIED CAMBER	± 1/8" PER 10 FEET ± 1/2" MAXIMUM

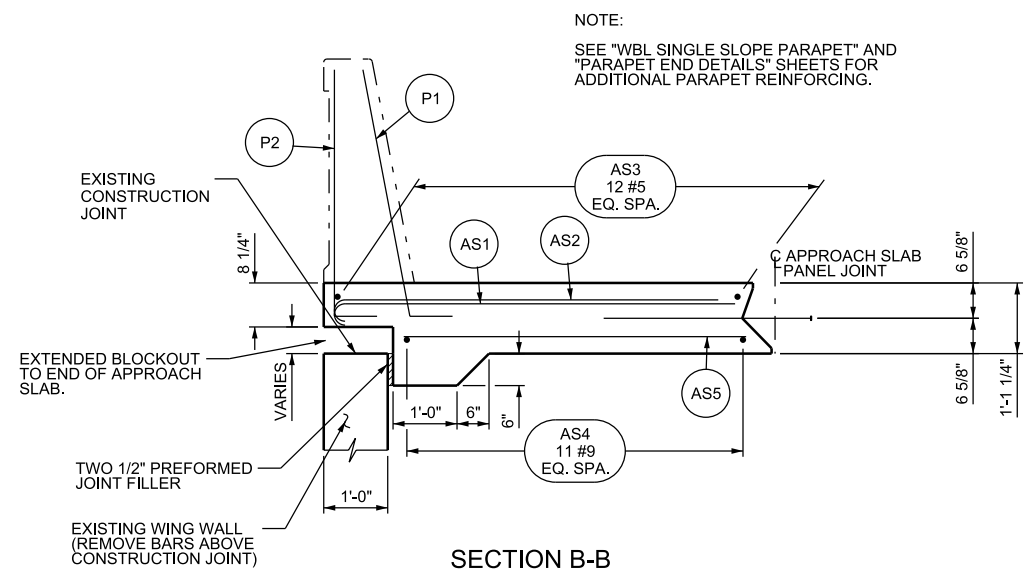


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UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	I-84 OVER U.P.R.R.	PROJECT NUMBER	PIN	6560
APPROACH SLAB ELEMENTS TOLERANCES						
F-114R						
DRG. NO.						
SHT. 25A		OF 54				
NO.	DATE	BY	REVISION REMARKS	DESIGN RGN	CHECK DD	3/10
APPROVED FOR USE						
DATE						
BY						
04/05/10						
MPP						
3/10						
QUANT.						
MPP						
3/10						
CHECK						
DD						
3/10						



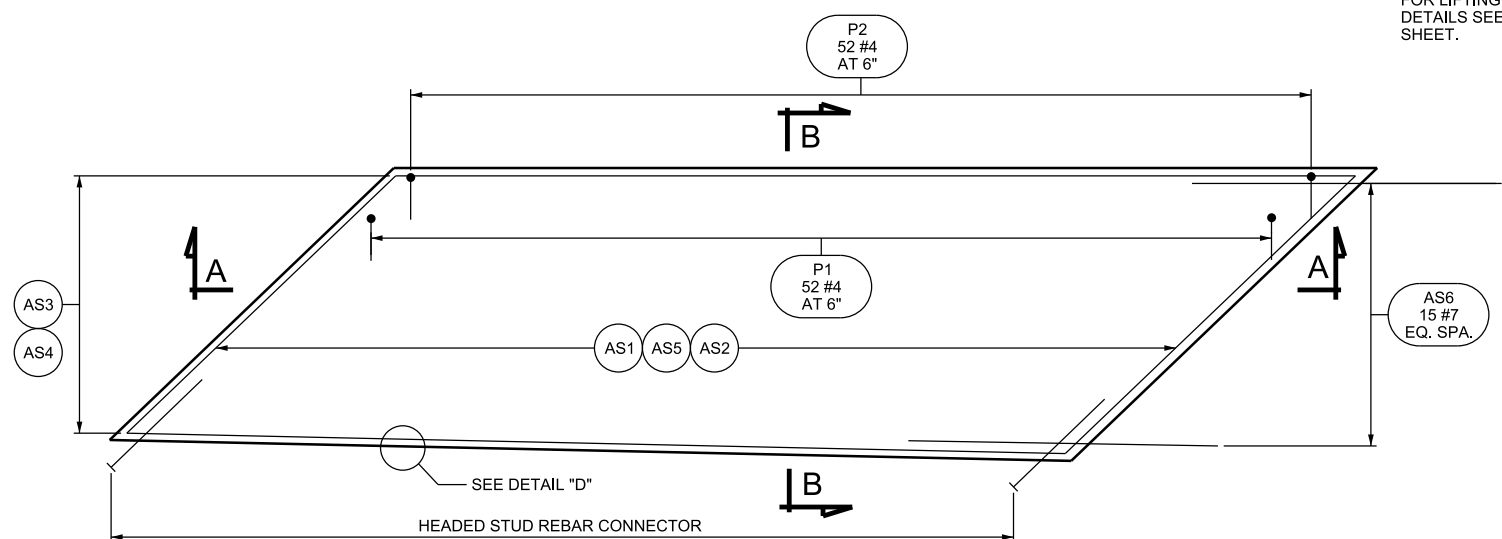
APPROACH PANEL AP1 PLAN



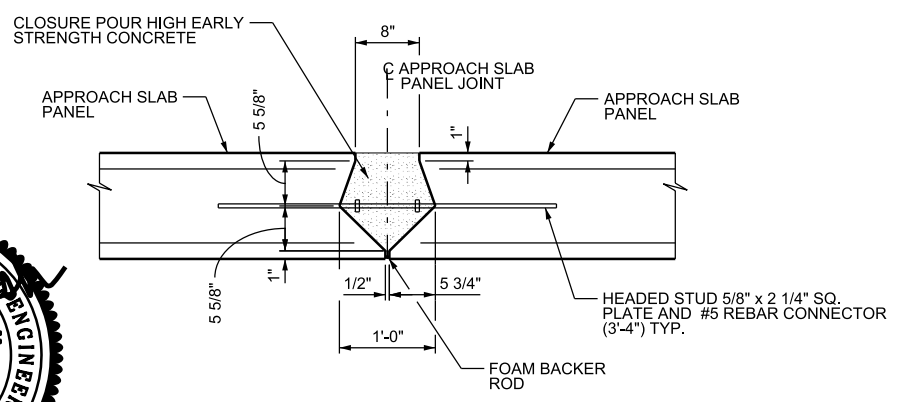
SECTION B-B

NOTE:
SEE "WBL SINGLE SLOPE PARAPET" AND
"PARAPET END DETAILS" SHEETS FOR
ADDITIONAL PARAPET REINFORCING.

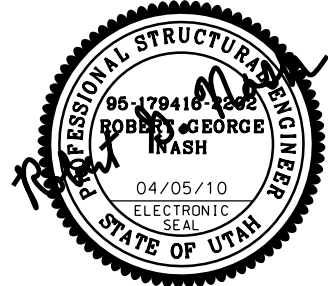
NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.



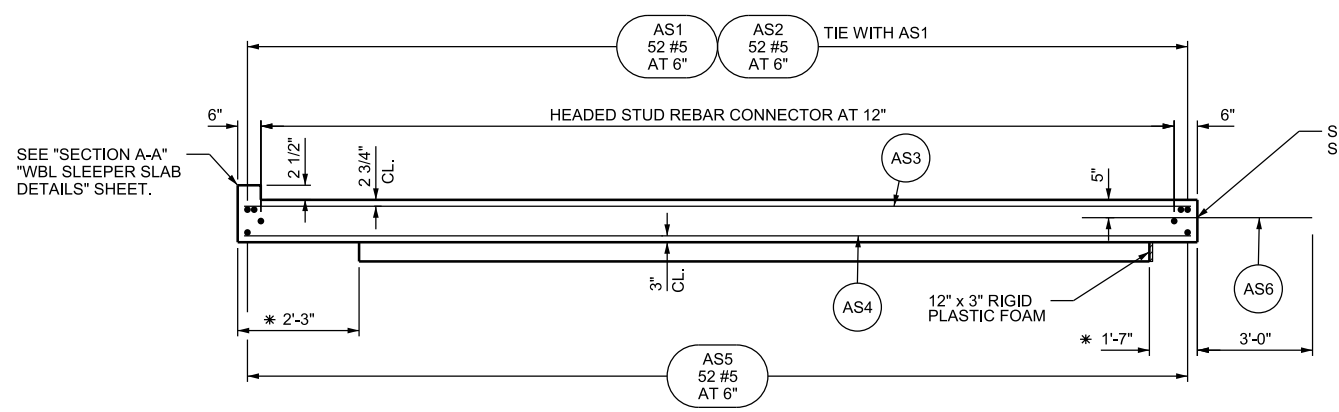
APPROACH PANEL AP1 REBAR PLAN



SECTION C-C



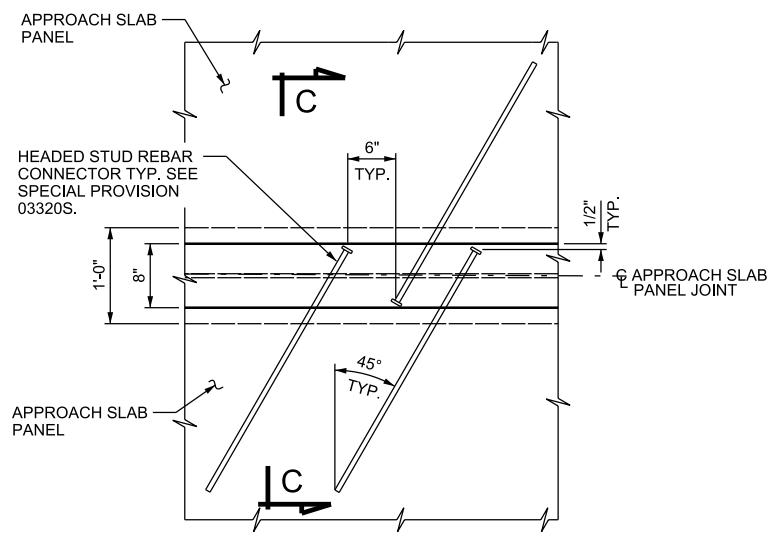
HIGH-EARLY STRENGTH CONCRETE (FOR INFORMATION ONLY)	
LOCATION	CU. YDS.
APPROACH SLAB JOINTS	10.3



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

NOTE:
INCLUDE THE COST OF PANEL JOINTS WITH #5 T-HEADED
STUD REBAR AND HIGH EARLY STRENGTH CONCRETE
CLOSURE POUR IN THE APPROACH SLABS IN THE COST OF
"PRECAST APPROACH SLAB PANEL" PAY ITEM.



DETAIL "D"

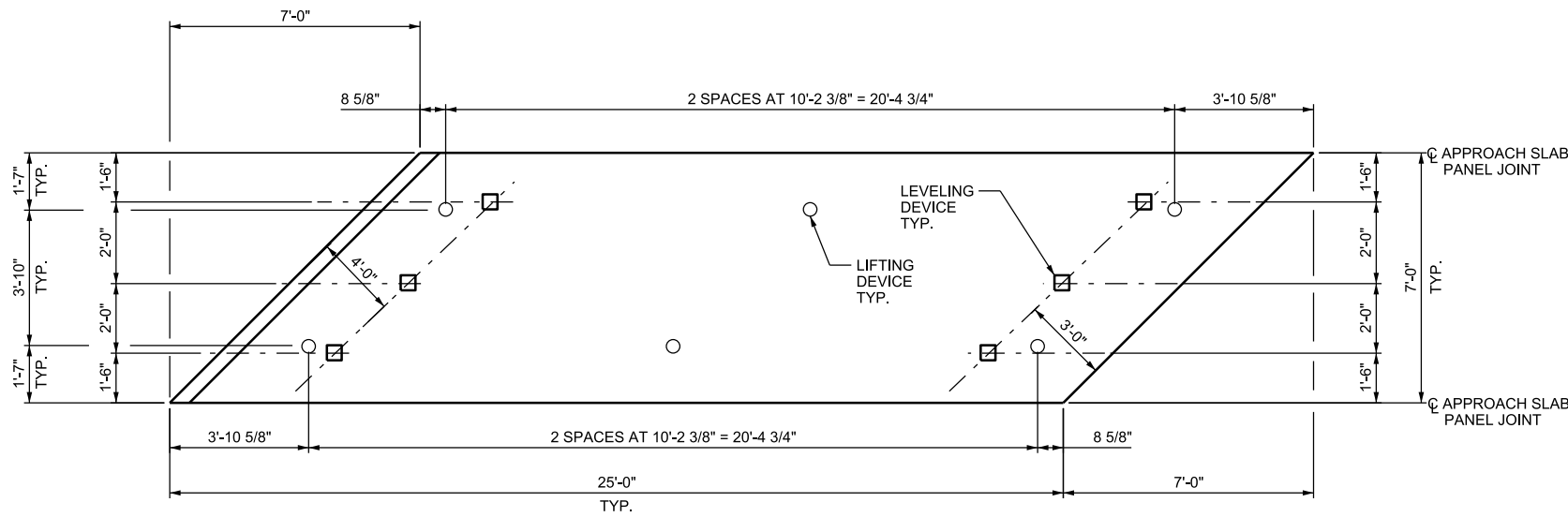
REVISION REMARKS		DESIGN	CHECK	DD
1/10		1/10	1/10	3/10
1/10		1/10	1/10	3/10
1/10		1/10	1/10	3/10

UTAH DEPARTMENT
OF
TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP1
PROJECT NUMBER: F-184-6(97)108
PIN: 6560

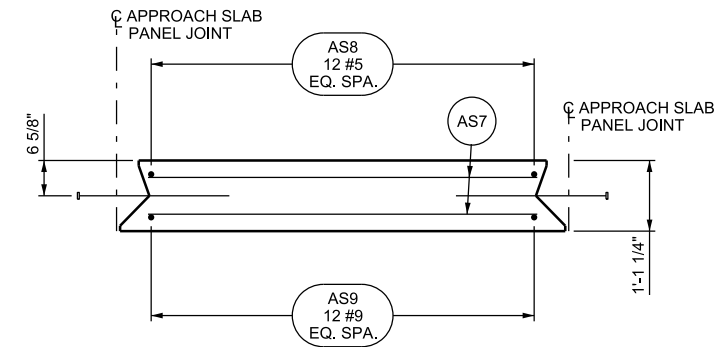
MORGAN COUNTY
F-114R
DRG. NO.

05-APR-2010 D:\F:\as\IP_P\W\Items\1723\6560_F114-26_Appr_Panel_AP1.dgn

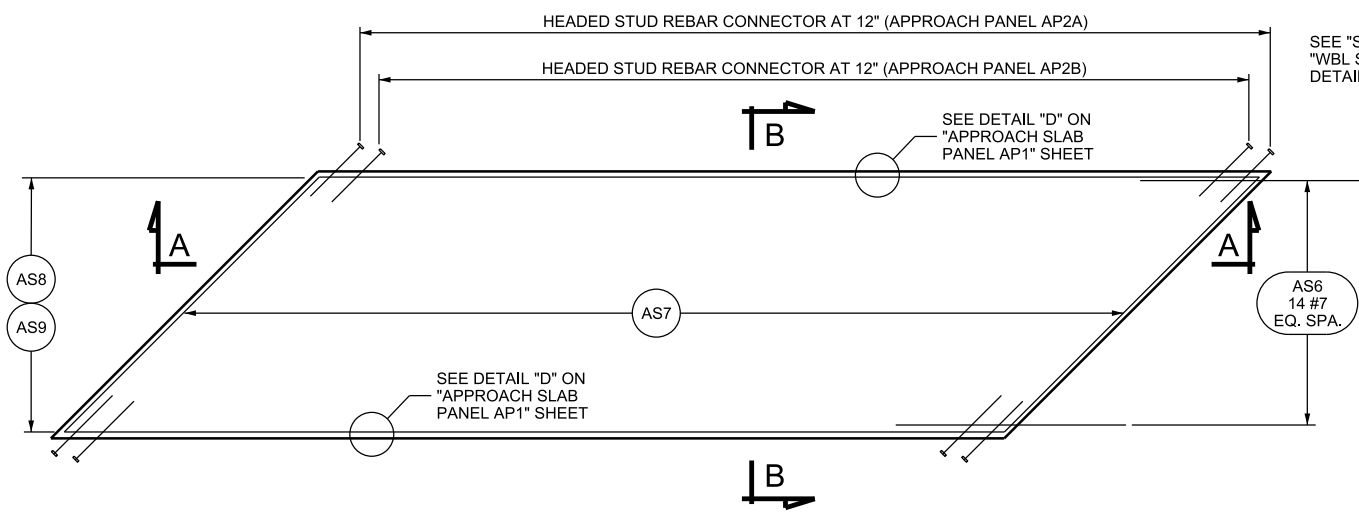
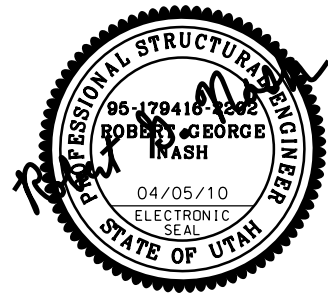


APPROACH PANEL AP2A & AP2B PLAN

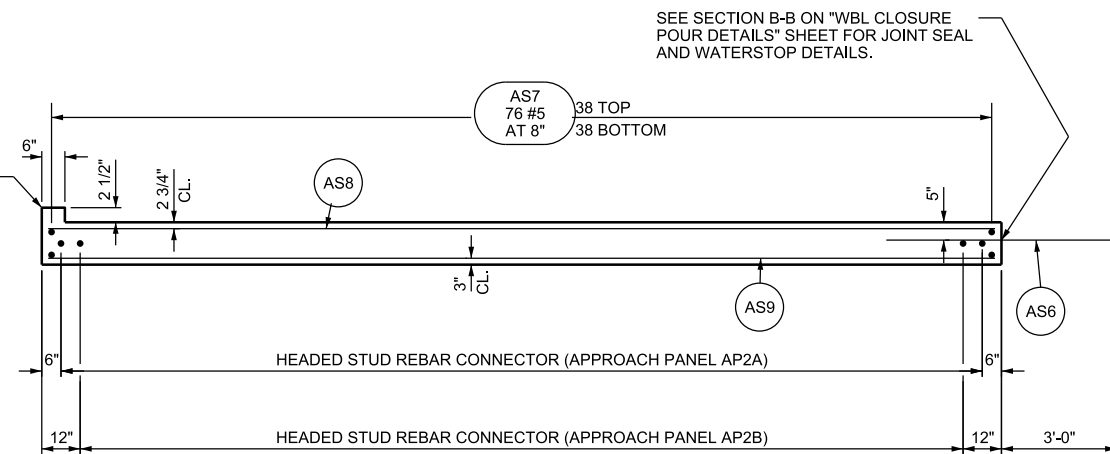
NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.



SECTION B-B



APPROACH PANEL AP2A & AP2B REBAR PLAN



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE

PANEL QUANTITIES

PANEL	NUMBER OF PANELS
APPROACH SLAB PANEL AP2A	1
APPROACH SLAB PANEL AP2B	2

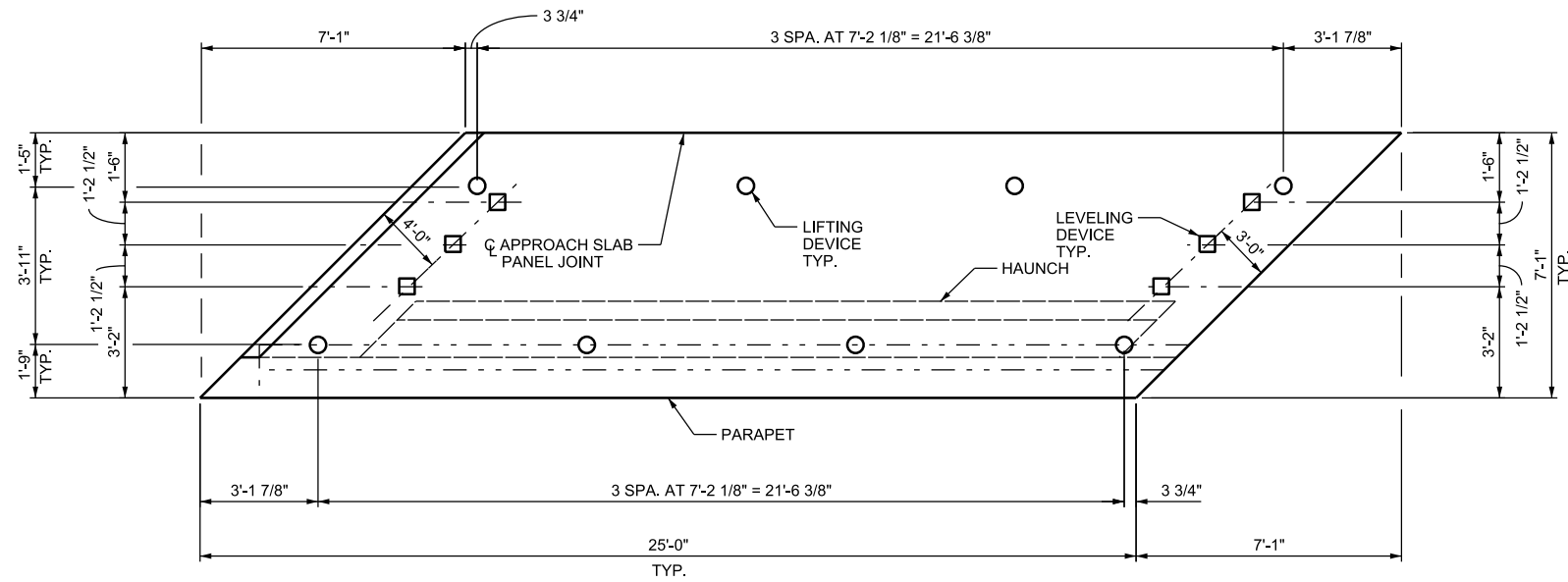
UTAH DEPARTMENT
OF
TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP2

MORGAN
COUNTY
F-114R
DRG. NO.

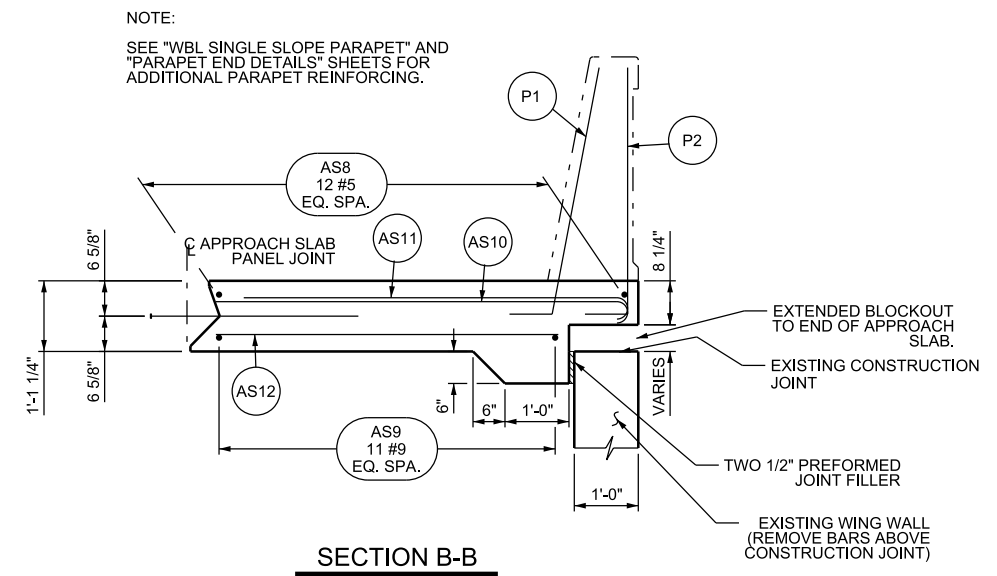
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NO.	DATE	BY	REVISION REMARKS
DESIGN	04/05/10	RG	1/10
APPROVAL	04/05/10	RG	1/10
RECOMM.	04/05/10	RG	1/10
FOR USE	04/05/10	RG	1/10
BY UDOT	04/05/10	MPP	1/10
QUANT.	04/05/10	MPP	1/10
CHECK	04/05/10	MPP	1/10
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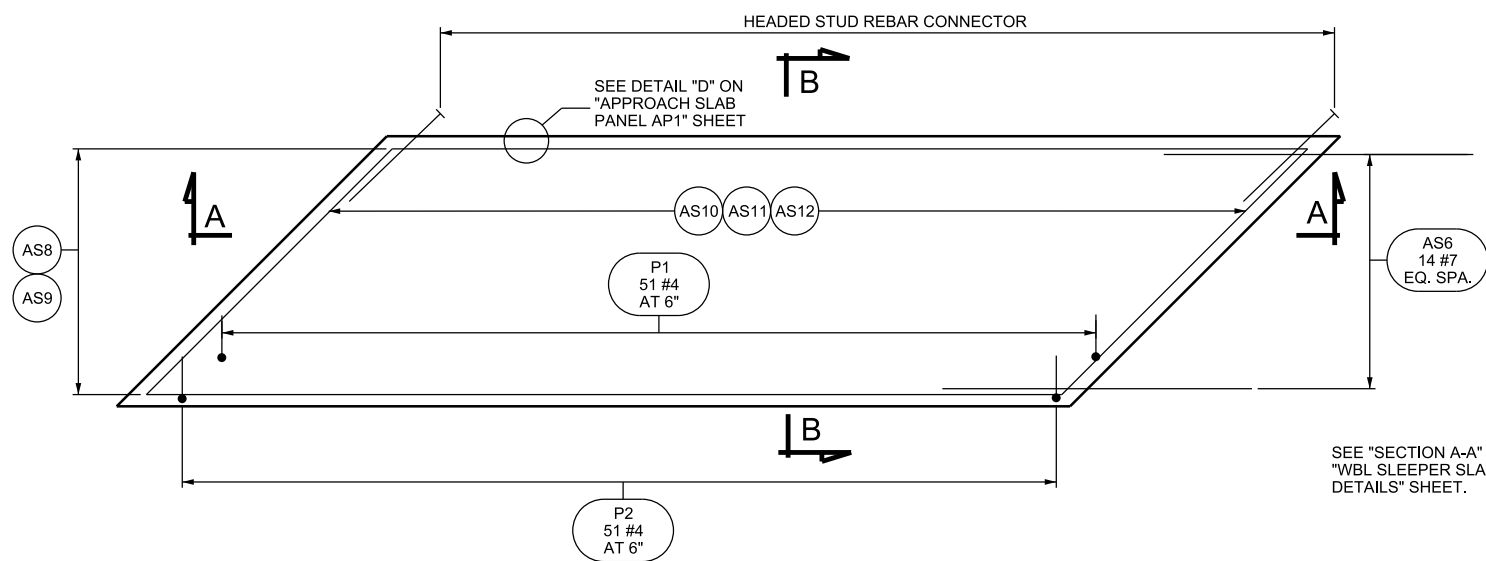
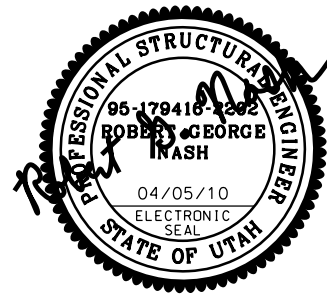


APPROACH PANEL AP3 PLAN

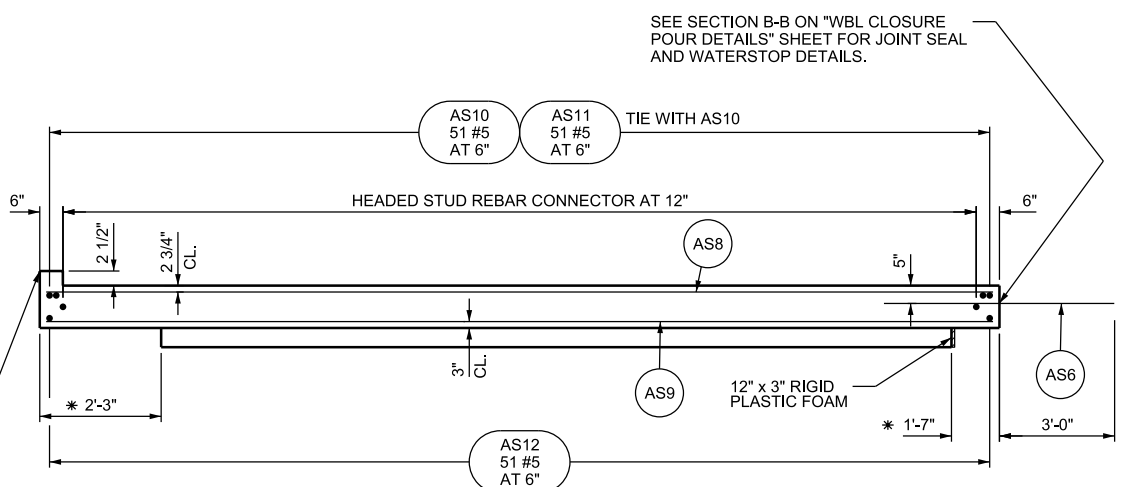
NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.



SECTION B-B



APPROACH PANEL AP3 REBAR PLAN



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

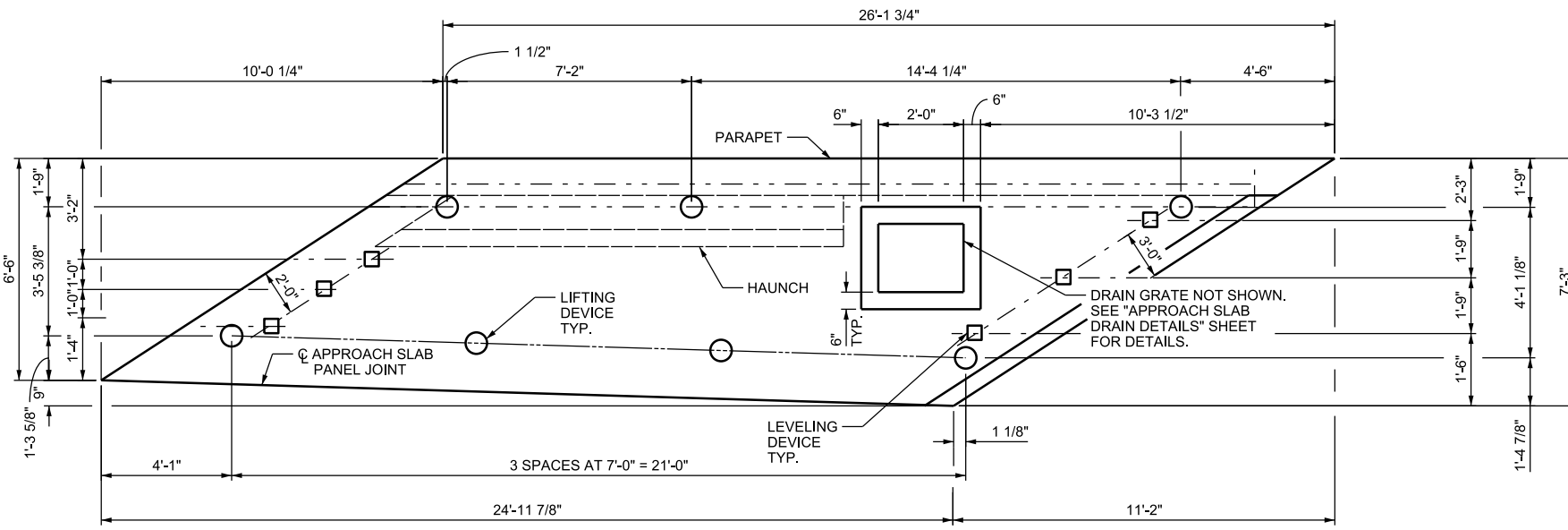
REVISION REMARKS	
DESIGN	RGN 1/10 CHECK DD 3/10
DRAWN	MPP 1/10 CHECK DD 3/10
QUANT.	MPP 1/10 CHECK DD 3/10

UTAH DEPARTMENT
OF
TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP3
PROJECT NUMBER F-184-6(97)108 PIN 6560

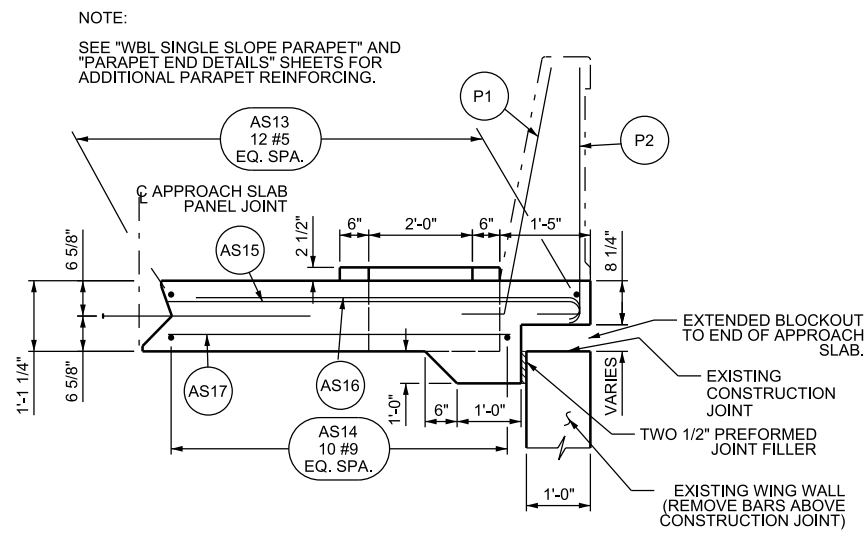
MORGAN
COUNTY
F-114R
DRG. NO.

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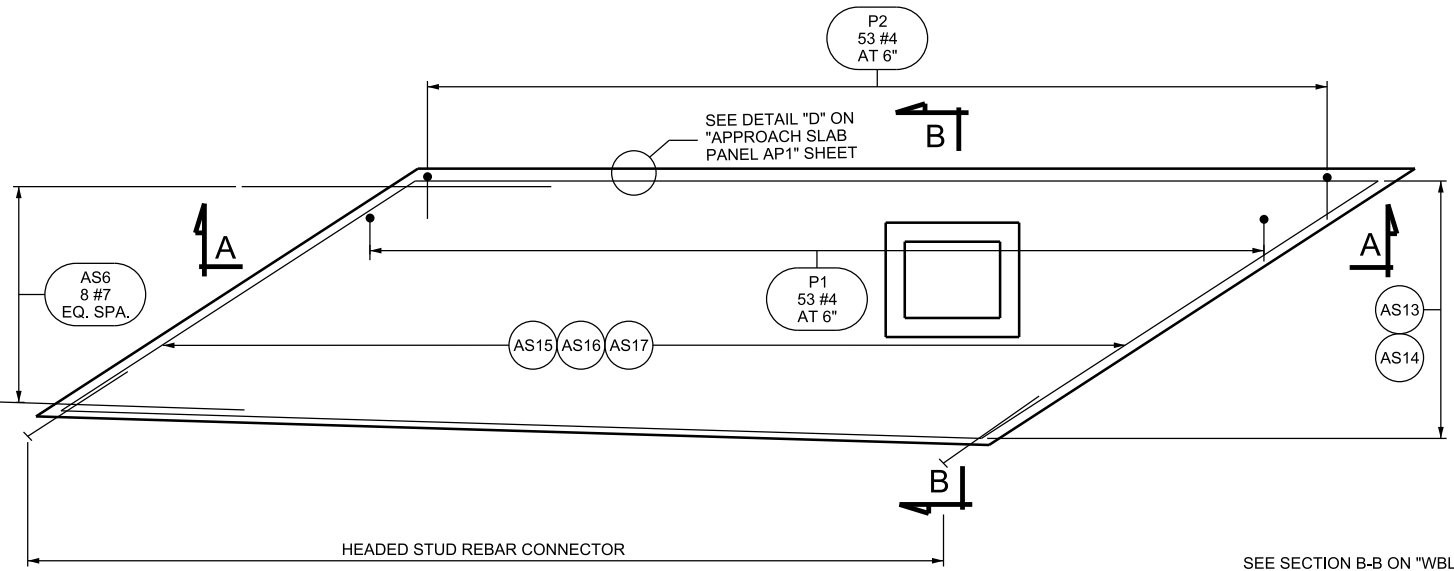
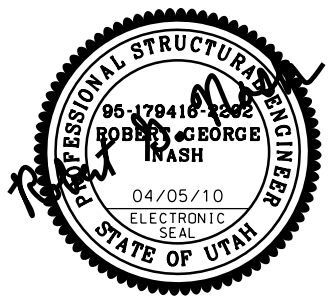


APPROACH PANEL AP3 PLAN

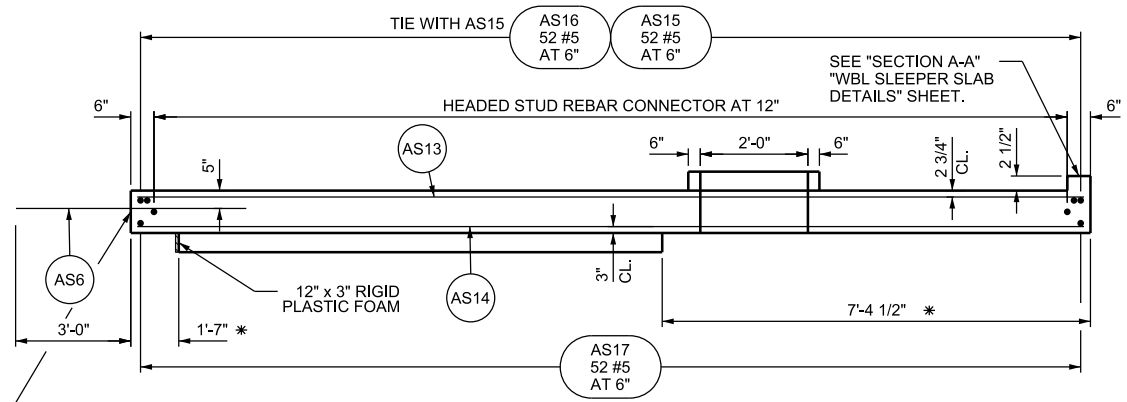
NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.



SECTION B-B



APPROACH PANEL AP4 REBAR PLAN



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

SEE SECTION B-B ON "WBL CLOSURE
POUR DETAILS" SHEET FOR JOINT
SEAL AND WATERSTOP DETAILS

NOTE:
SEE "WBL SINGLE SLOPE PARAPET" AND
"PARAPET END DETAILS" SHEETS FOR
ADDITIONAL PARAPET REINFORCING.

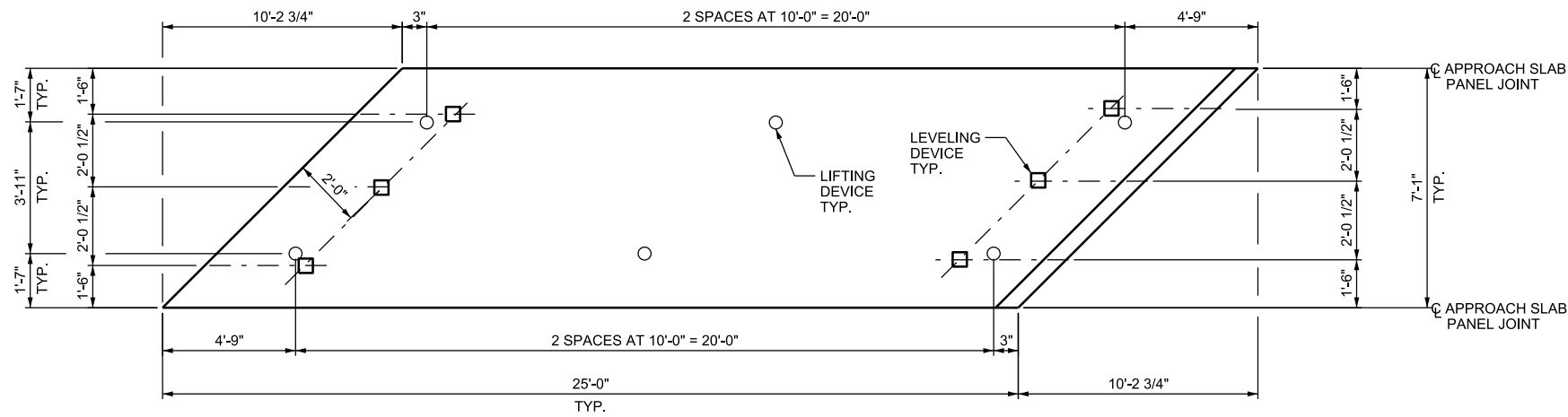
NO.	DATE	BY	REVISION REMARKS
DESIGN	1/10	RG	CHECK DD 3/10
DRAWN	1/10	MPP	CHECK DD 3/10
QUANT.	1/10	MPP	CHECK DD 3/10

UTAH DEPARTMENT
OF
TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP4
PROJECT NUMBER F-184-6(97)108
PIN 6560

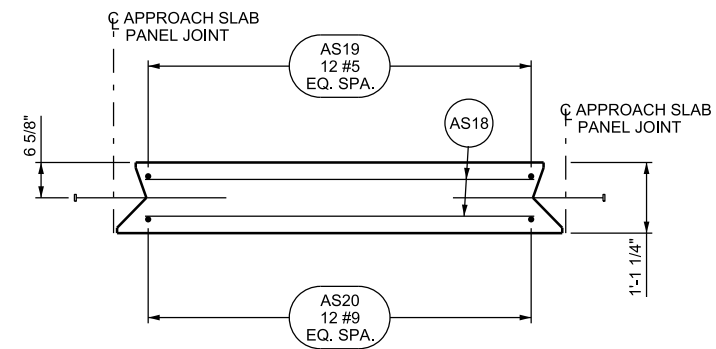
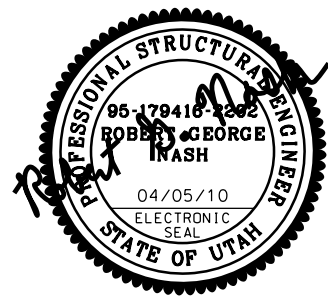
MORGAN
COUNTY
F-114R
DRG. NO.

06-APR-2010 D:_F:_P:_P\Drawings\1723\6560_F114-29_ApprPanelAP4.dgn

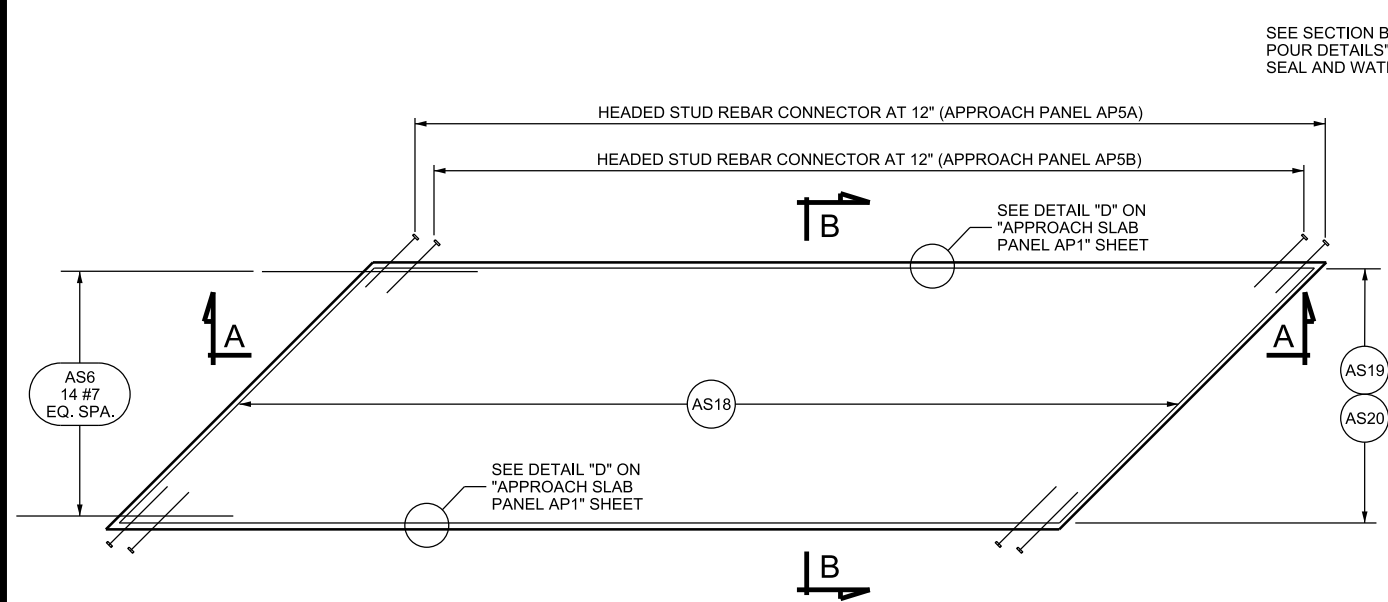


APPROACH PANEL AP5A & AP5B PLAN

NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.

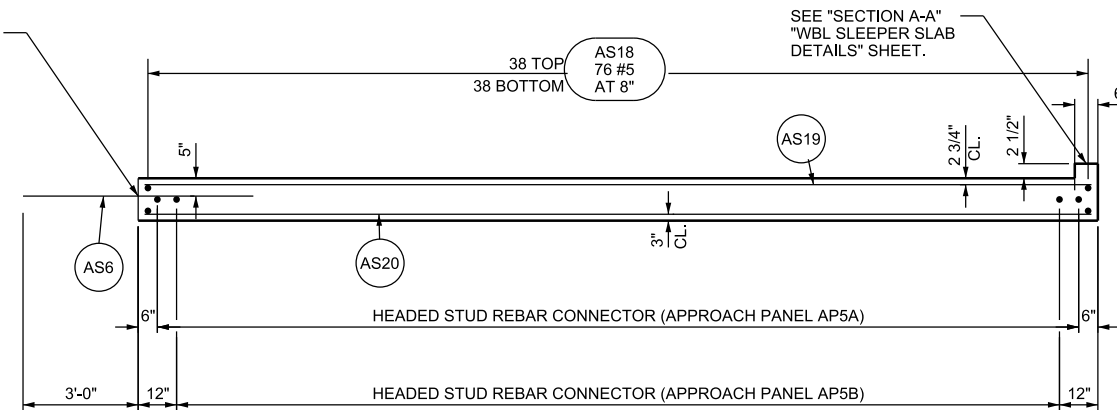


SECTION B-B



APPROACH PANEL AP5A & AP5B REBAR PLAN

SEE SECTION B-B ON "WBL CLOSURE POUR DETAILS" SHEET FOR JOINT SEAL AND WATERSTOP DETAILS



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE

PANEL QUANTITIES

PANEL	NUMBER OF PANELS
APPROACH SLAB PANEL AP5A	1
APPROACH SLAB PANEL AP5B	2

NO.	DATE	BY	REVISION REMARKS
DESIGN	04/05/10	RGN	1/10
DRAWN	04/05/10	MPP	1/10
QUANT.	04/05/10	MPP	1/10
CHECK	04/05/10	DD	3/10
CHECK	04/05/10	DD	3/10
CHECK	04/05/10	DD	3/10

UTAH DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMM. 04/05/10
DATE 04/05/10
FOR USE FOR USE
BY UDOT DATE 04/05/10

Robert D. Inash
SENIOR DESIGN ENGR.
UDOT BRIDGE ENGR.

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART

I-84 OVER U.P.R.R.

APPROACH SLAB PANEL AP5

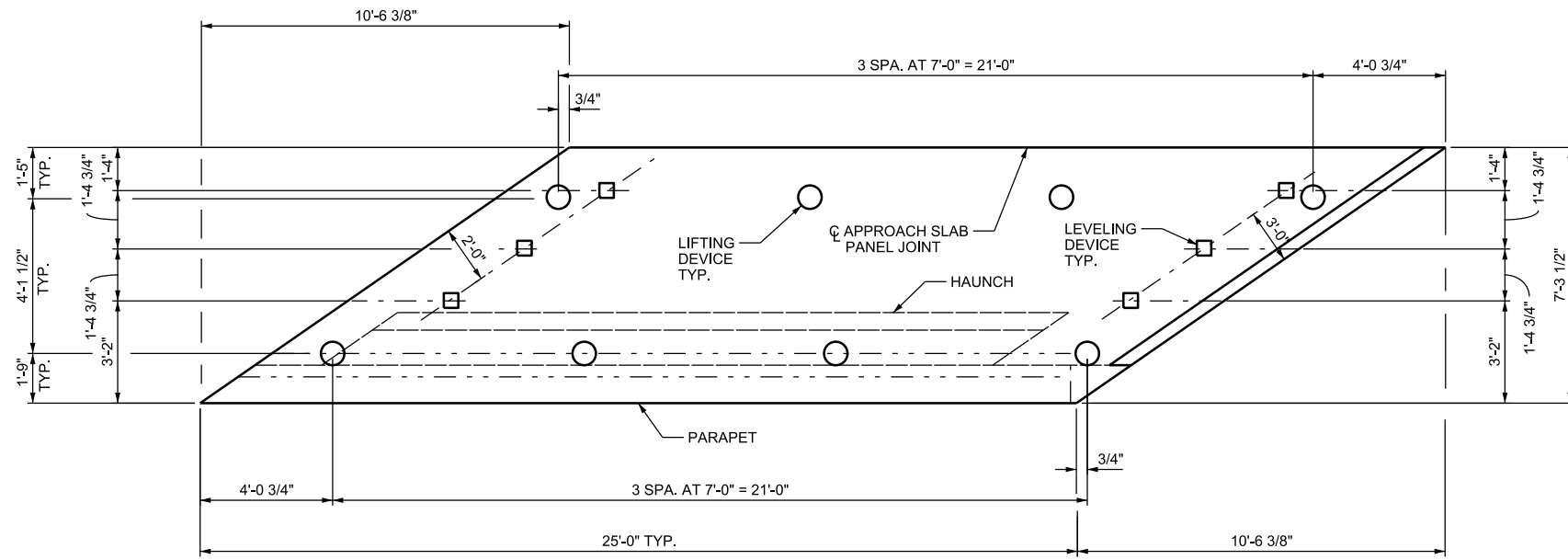
PROJECT NUMBER F-184-6(97)108

PIN 6560

MORGAN COUNTY

F-114R

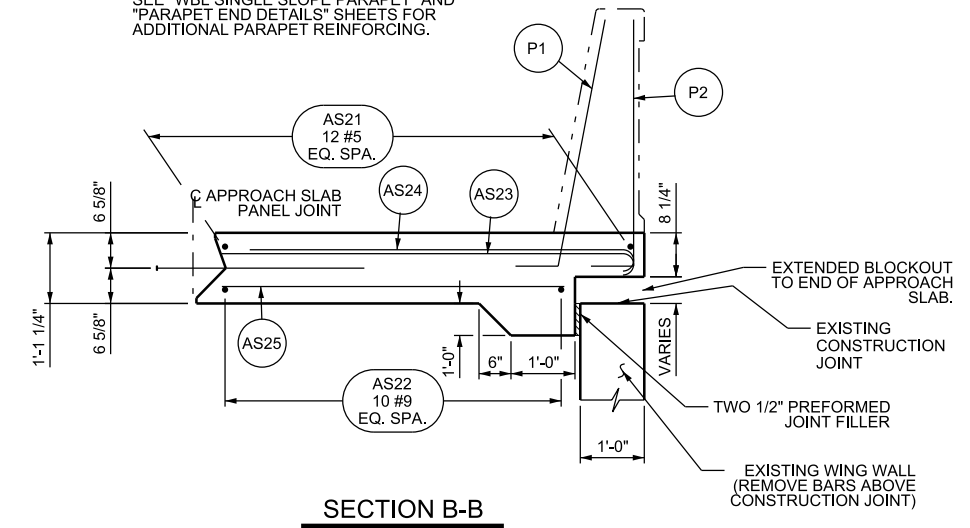
DRG. NO.



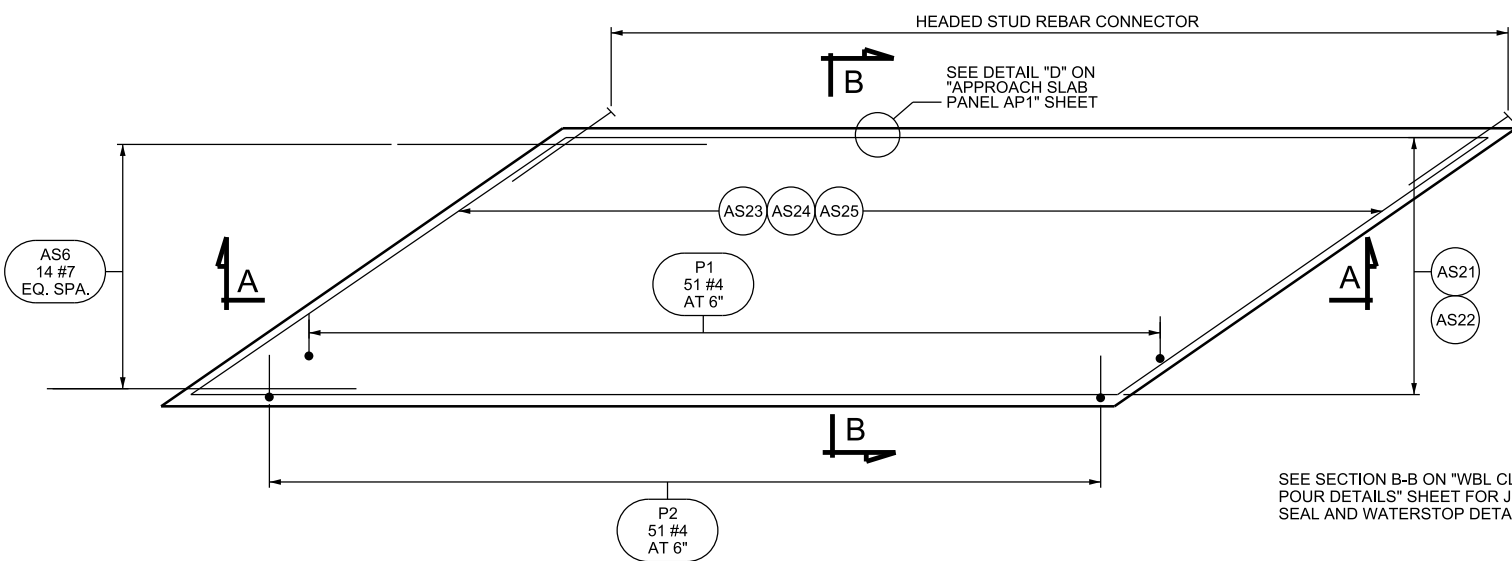
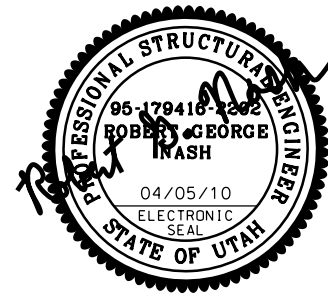
APPROACH PANEL AP6 PLAN

NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.

NOTE:
SEE "WBL SINGLE SLOPE PARAPET" AND
"PARAPET END DETAILS" SHEETS FOR
ADDITIONAL PARAPET REINFORCING.

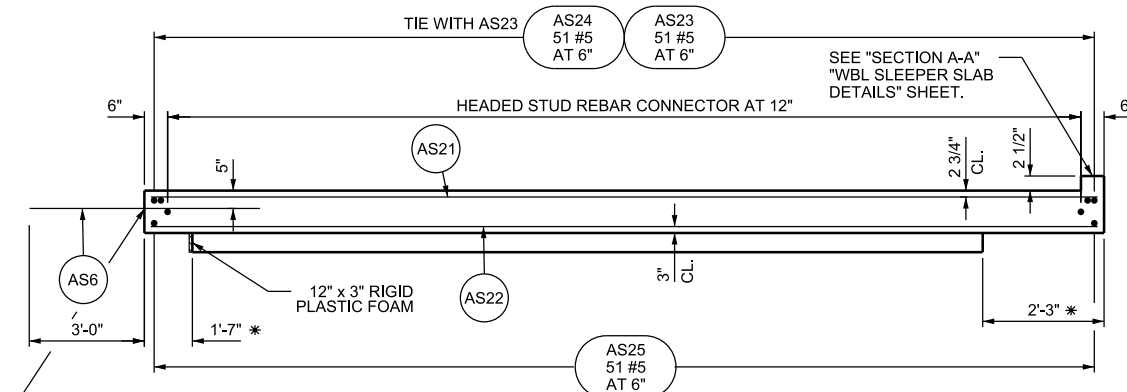


SECTION B-B



APPROACH PANEL AP6 REBAR PLAN

SEE SECTION B-B ON "WBL CLOSURE
POUR DETAILS" SHEET FOR JOINT
SEAL AND WATERSTOP DETAILS

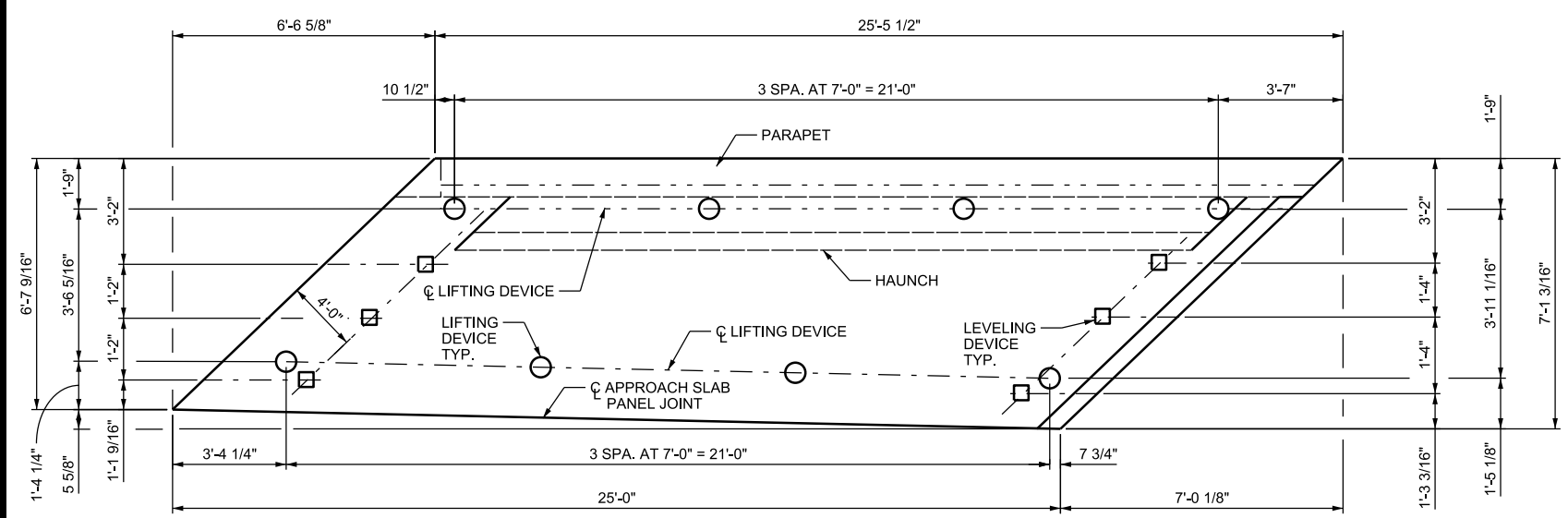


SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE.
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

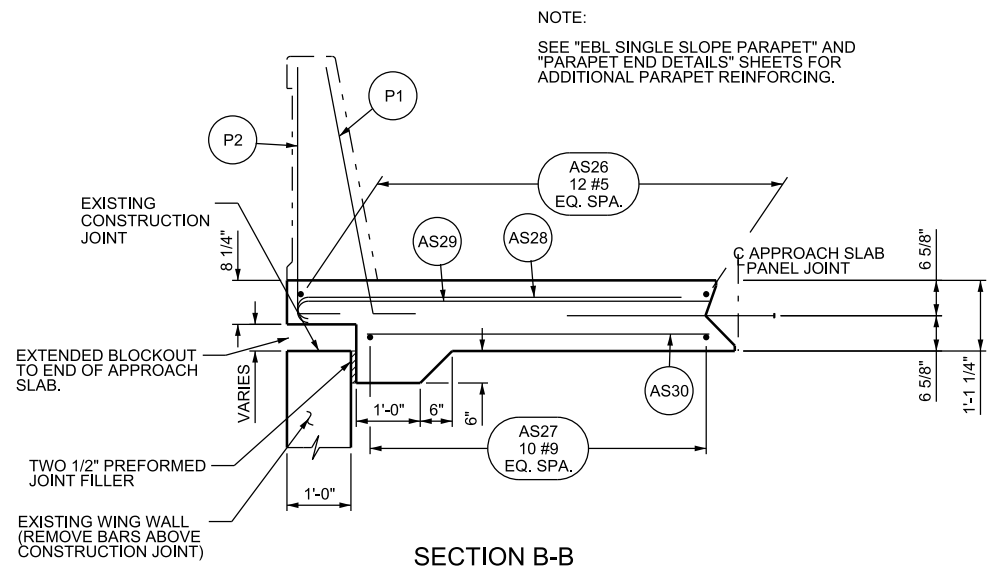
05-APR-2010 DCA, F:\as\IP_P\W\Items\1723\6568_F114-31_Appr_Panel_AP6.dgn

UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PROJECT NUMBER: F-184-6(97)108	
APPROVAL FOR USE		PIN: 6560	
NO.	DATE	BY	REVISION REMARKS
DESIGN	04/05/10	R. Trash	1/10
DRAWN	04/05/10	MPP	1/10
QUANT.	04/05/10	MPP	1/10
CHECK	04/05/10	MPP	3/10
CHECK	04/05/10	MPP	3/10
CHECK	04/05/10	MPP	3/10
MORGAN COUNTY		DRG. NO. F-114R	
SHT. 31		OF 54	



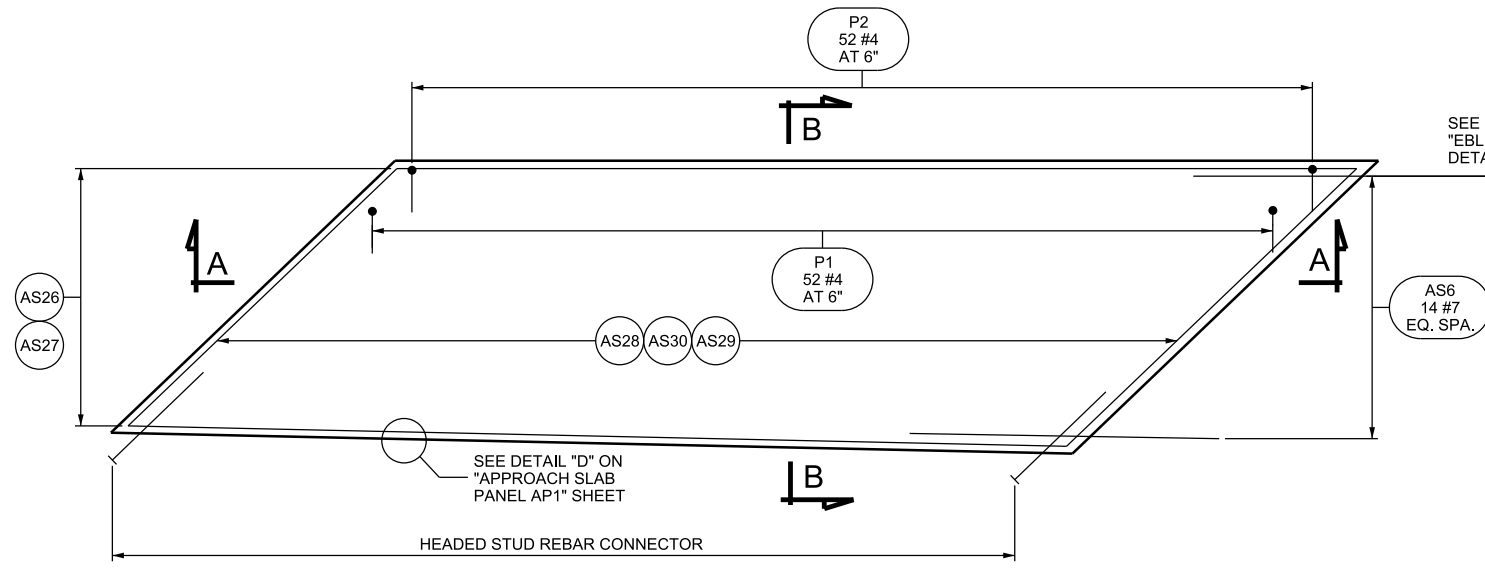
APPROACH PANEL AP7 PLAN

NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.

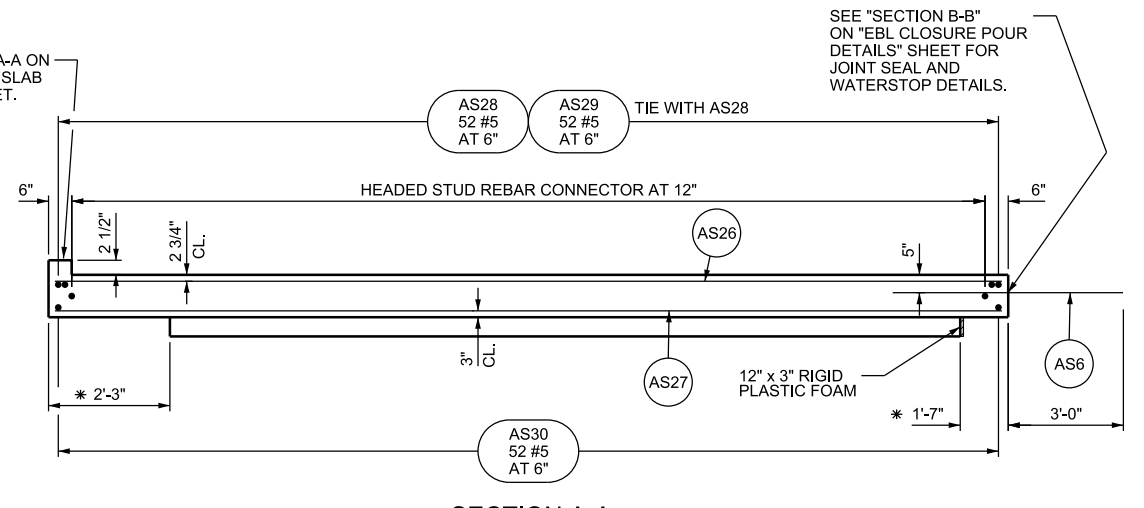
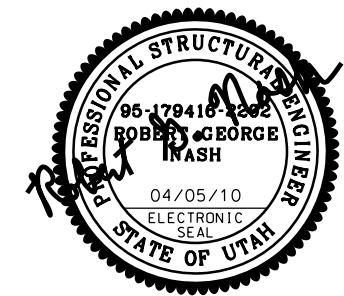


SECTION B-B

NOTE:
SEE "EBL SINGLE SLOPE PARAPET" AND
"PARAPET END DETAILS" SHEETS FOR
ADDITIONAL PARAPET REINFORCING.



APPROACH PANEL AP7 REBAR PLAN



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE.
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

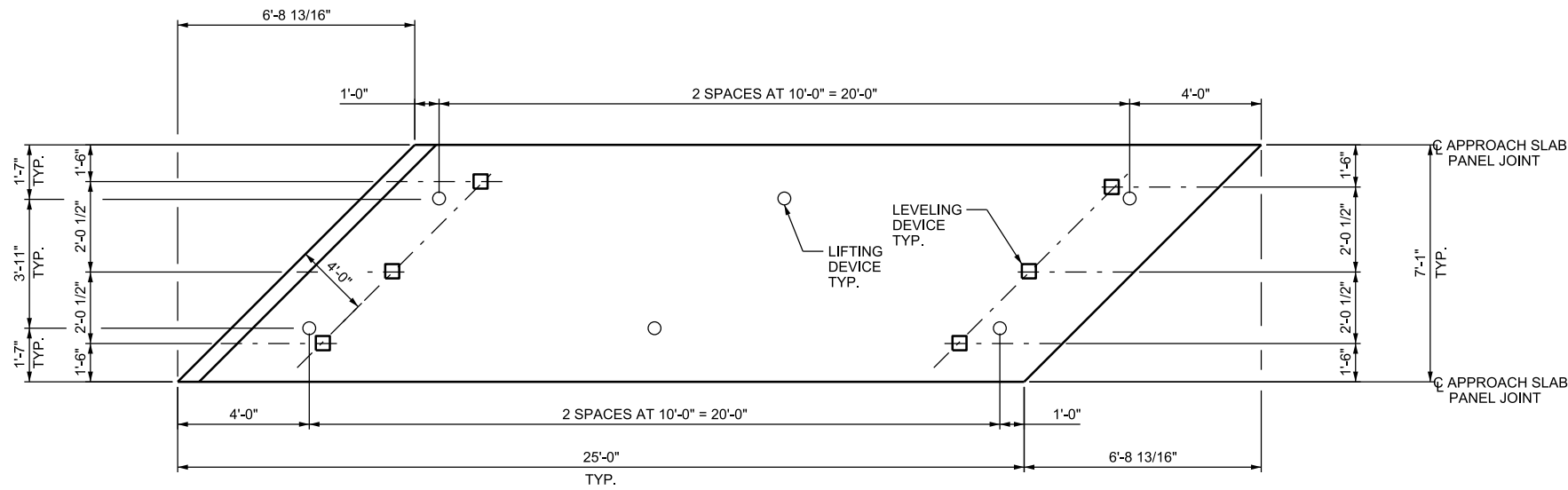
NO.	DATE	BY	REVISION REMARKS
DESIGN	1/10	RG	CHECK DD 3/10
DRAWN	1/10	MPP	CHECK DD 3/10
QUANT.	1/10	MPP	CHECK DD 3/10

UTAH DEPARTMENT
OF
TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP7
PROJECT NUMBER F-184-6(97)108 PIN 6560

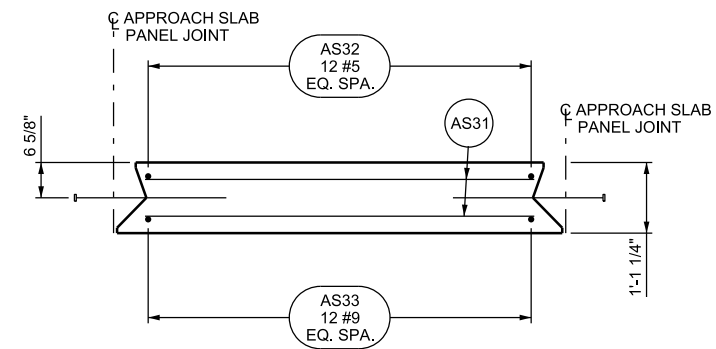
MORGAN COUNTY
F-114R
DRG. NO.

DDA, F:\as\IP_P\WP\as\1723\6568_F114-32_ApprPanelAP7.dgn 06-APR-2010

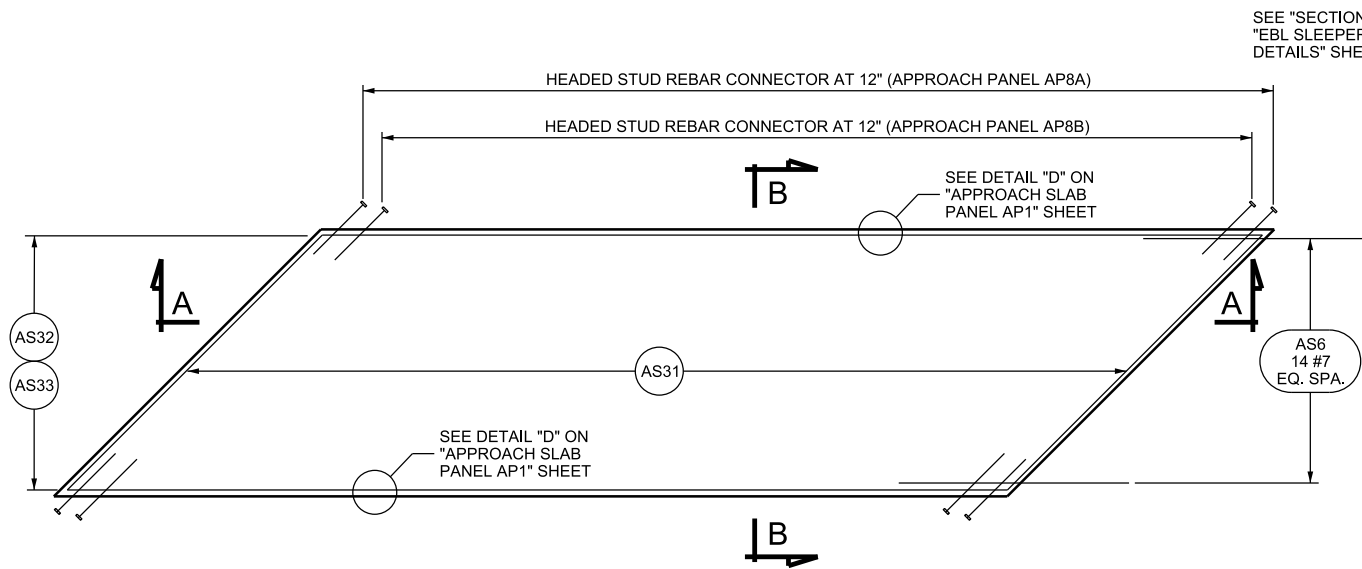
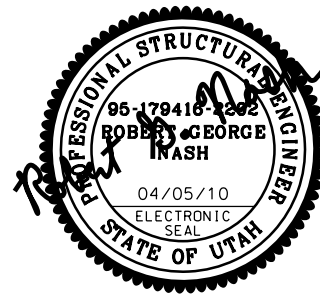


APPROACH PANEL AP8A & AP8B PLAN

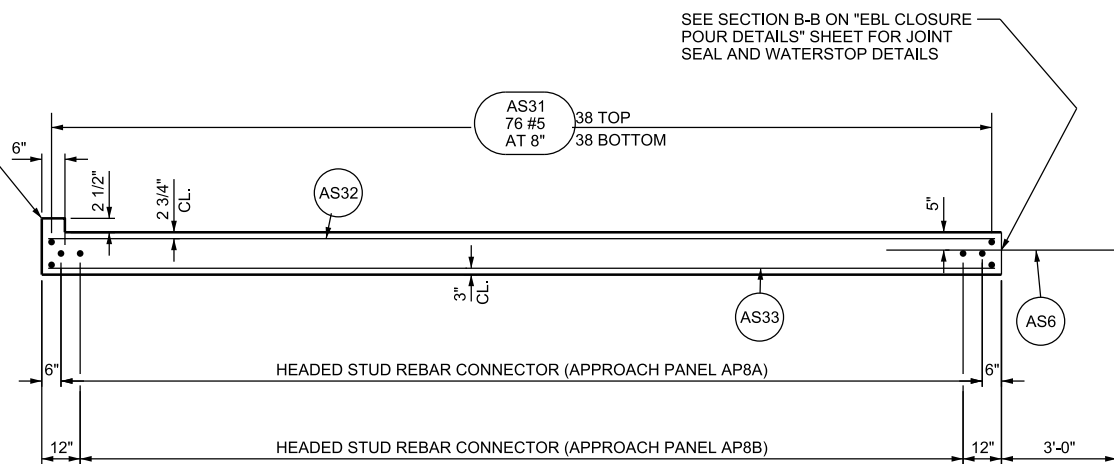
NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.



SECTION B-B



APPROACH PANEL AP8A & AP8B REBAR PLAN



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE

PANEL QUANTITIES

PANEL	NUMBER OF PANELS
APPROACH SLAB PANEL AP8A	1
APPROACH SLAB PANEL AP8B	2

UTAH DEPARTMENT
OF
TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART

I-84 OVER U.P.R.R.

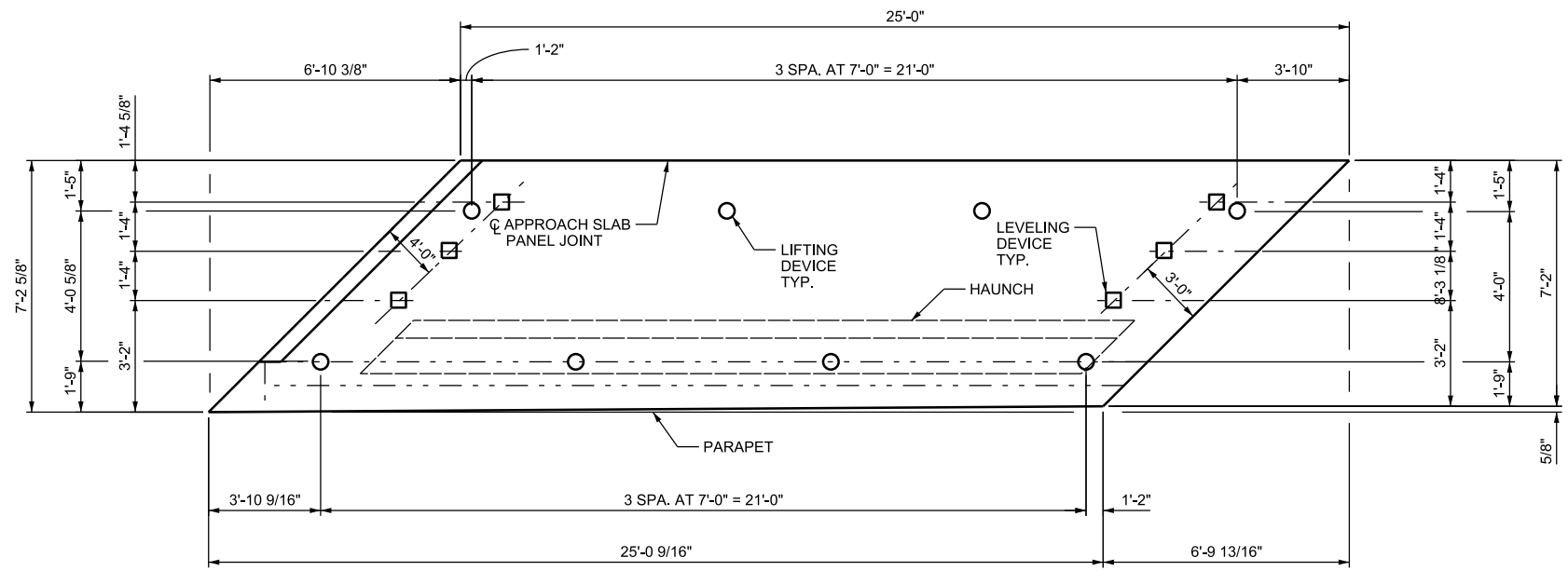
APPROACH SLAB PANEL AP8

PROJECT NUMBER F-184-6(97)108 PIN 6560

MORGAN
COUNTY
F-114R
DRG. NO.

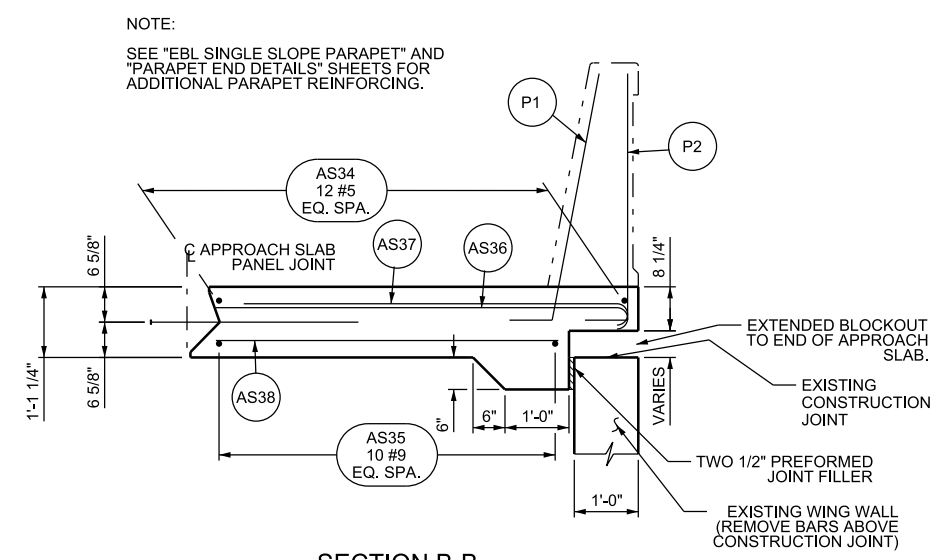
NO.	DATE	BY	REVISION REMARKS
DESIGN	04/10	RG	1/10
CHECK	03/10	DD	3/10
DRAWN	01/10	MPP	1/10
CHECK	03/10	DD	3/10
QUANT.	01/10	MPP	1/10
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APPROVAL FOR USE
DATE 04/05/10
BY UDOT
APPROVAL FOR USE
DATE 04/05/10
BY UDOT



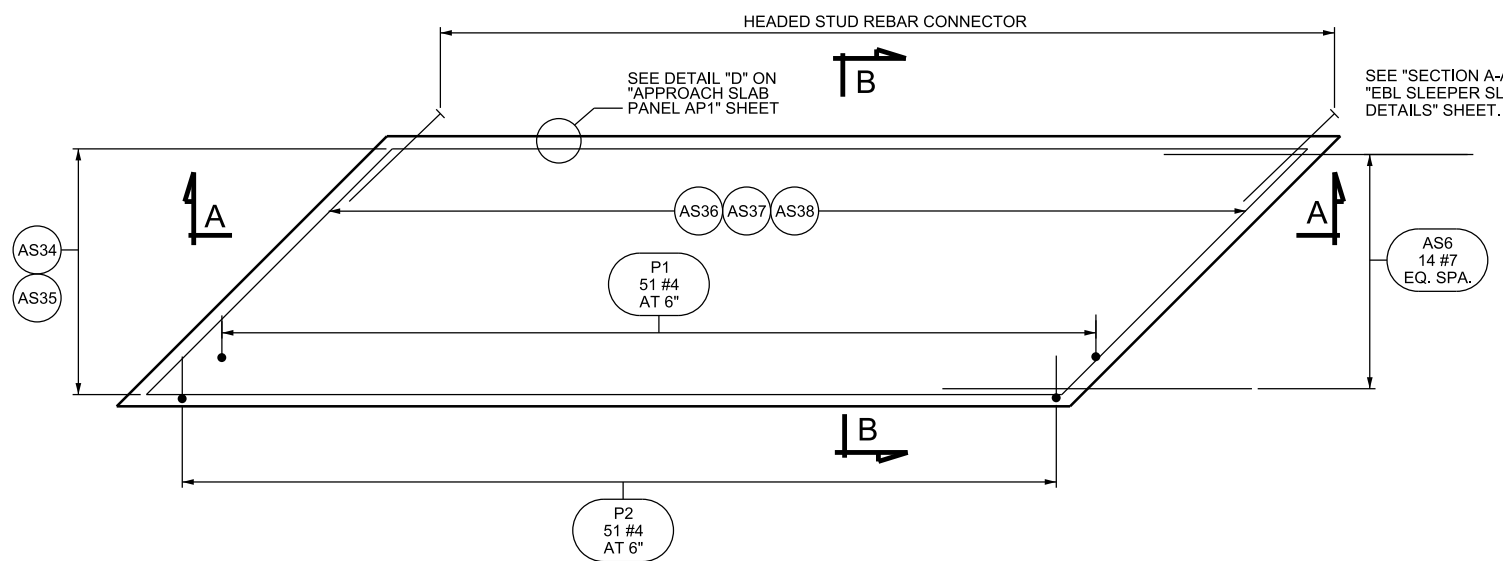
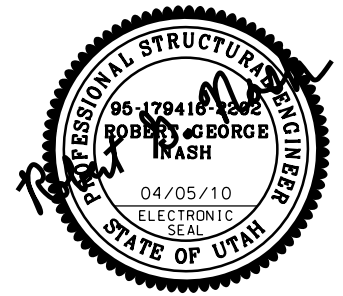
APPROACH PANEL AP9 PLAN

NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.

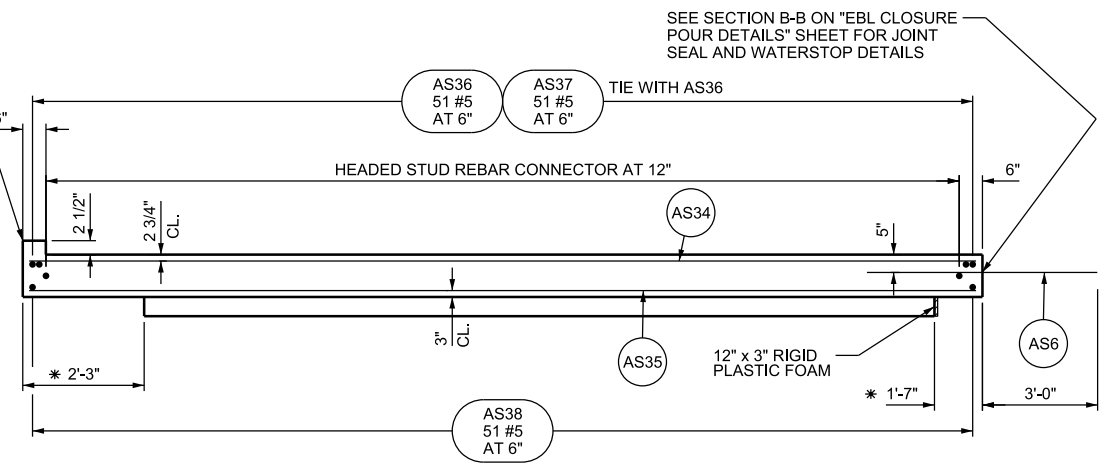


SECTION B-B

NOTE:
SEE "EBL SINGLE SLOPE PARAPET" AND
"PARAPET END DETAILS" SHEETS FOR
ADDITIONAL PARAPET REINFORCING.



APPROACH PANEL AP9 REBAR PLAN

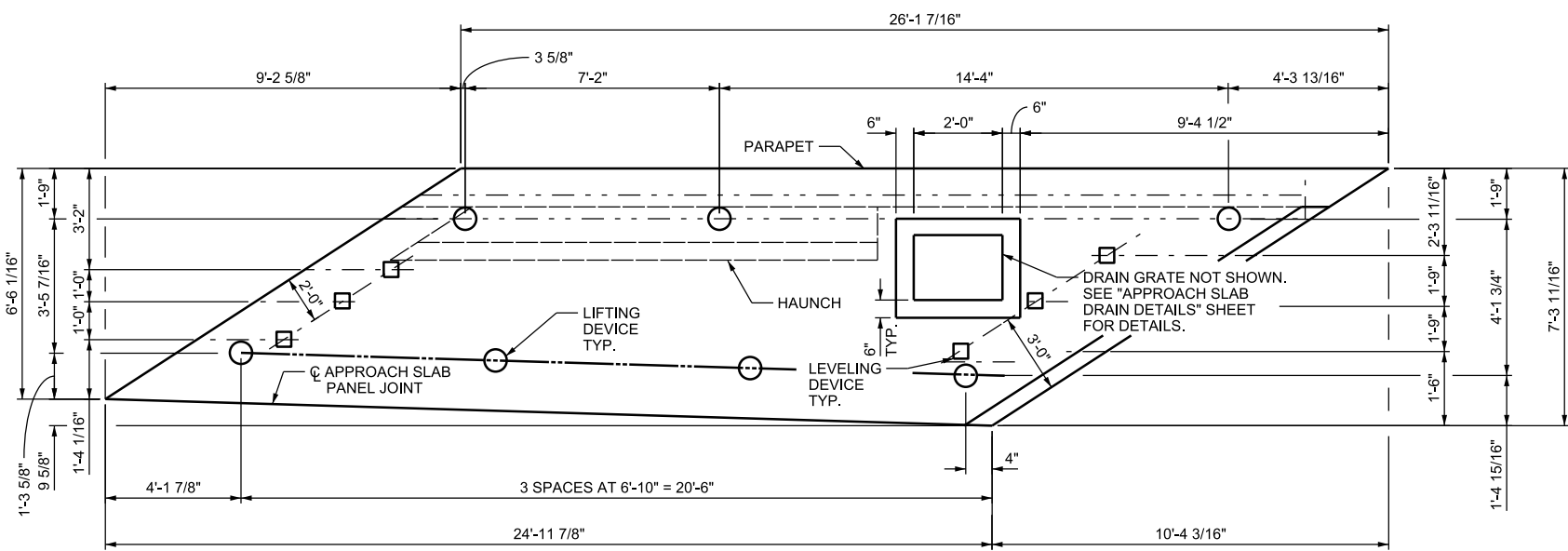


SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE.
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

DDA, F:\as\IP_P\W\Items\1723\6568_F114-34_ApprPanelAP9.dgn 05-APR-2010

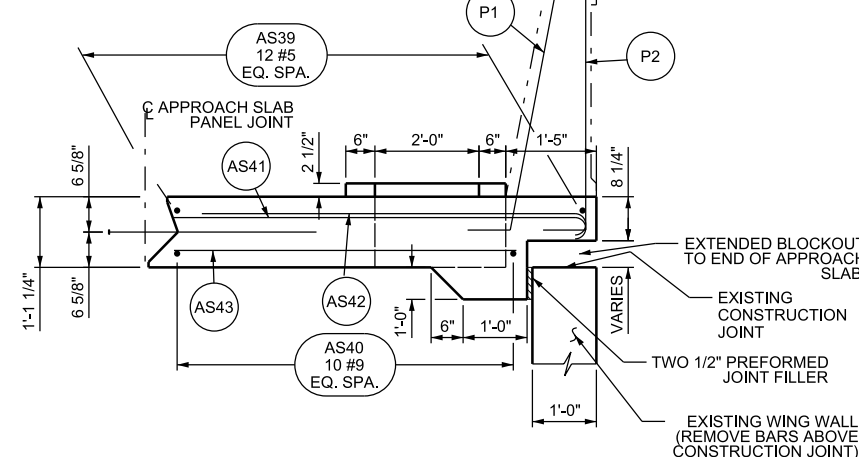
UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART	
I-84 OVER U.P.R.R.		PROJECT NUMBER: F-184-6(97)108	
APPROVAL RECORD: 04/05/10		PIN: 6560	
DESIGN: RGN 1/10		MORGAN COUNTY	
DRAWN: MPP 1/10		F-114R	
QUANT.: MPP 1/10		DRG. NO.	
CHECK: DD 3/10		SHT. 34 OF 54	
CHECK: DD 3/10			
CHECK: DD 3/10			



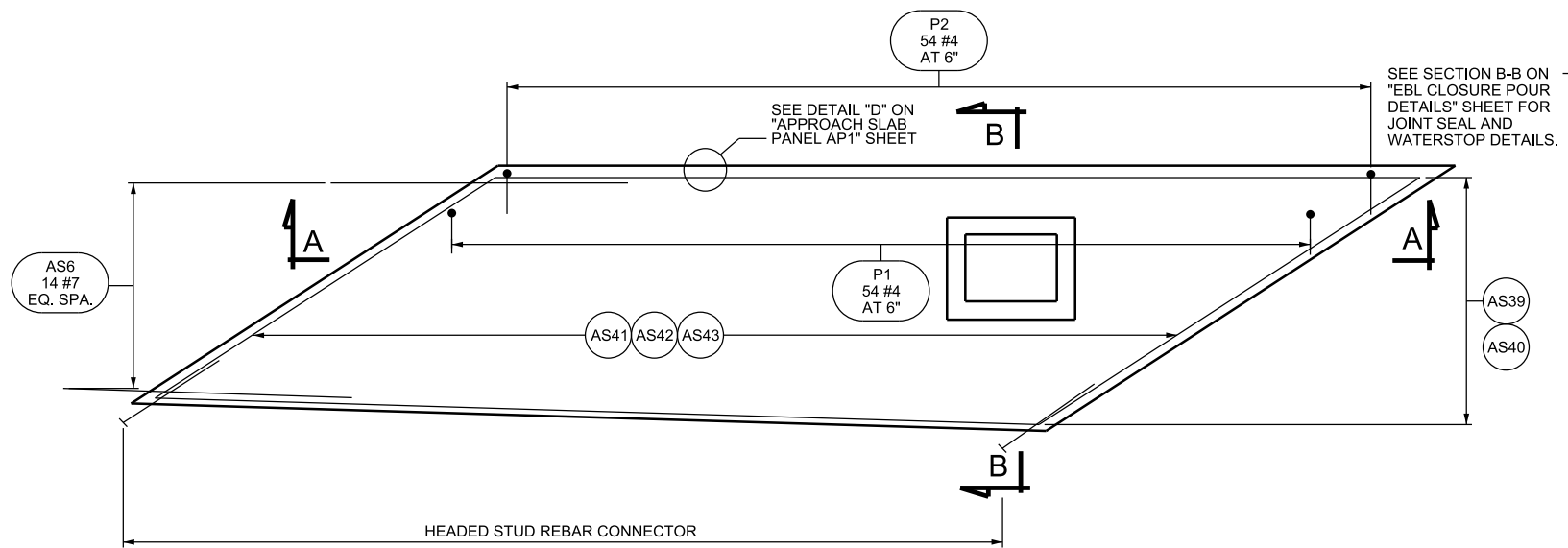
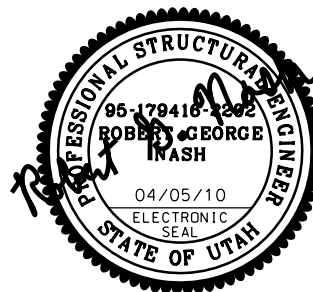
APPROACH PANEL AP10 PLAN

NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.

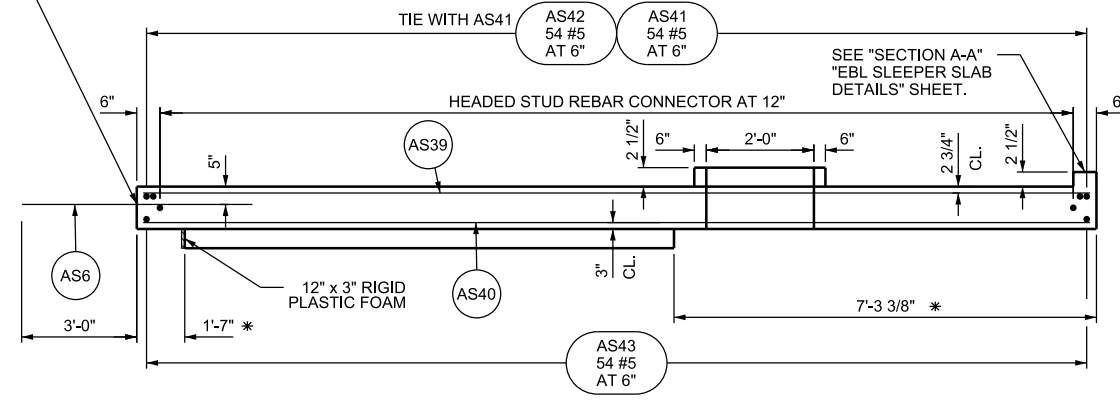
NOTE:
SEE "EBL SINGLE SLOPE PARAPET" AND
"PARAPET END DETAILS" SHEETS FOR
ADDITIONAL PARAPET REINFORCING.



SECTION B-B



APPROACH PANEL AP10 REBAR PLAN



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE.
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

06-APR-2010 D:\E:\F:\P\Projects\1723\6568-F114-35-Appr-Panel-AP10.dgn

UTAH DEPARTMENT
OF
TRANSPORTATION

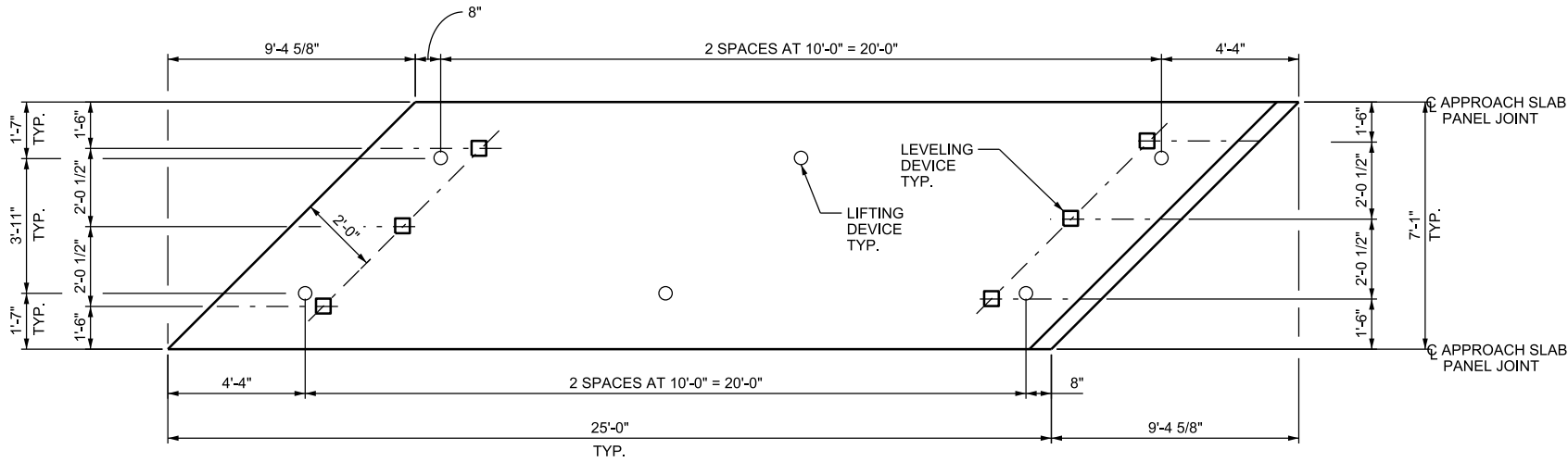
I-84, BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP10

PROJECT NUMBER
F-184-6(97)108

PIN
6560

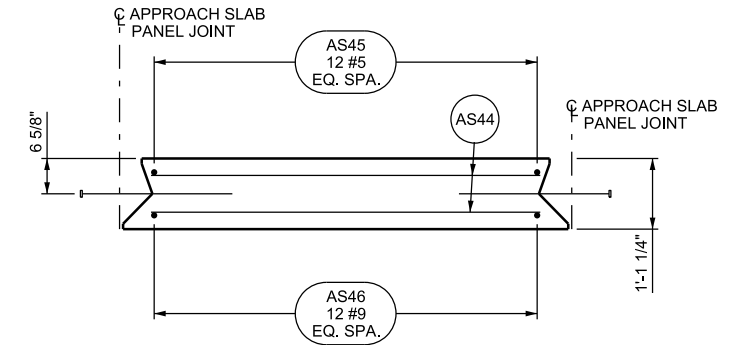
MORGAN
COUNTY
F-114R
DRG. NO.

NO.	DATE	BY	REVISION	REMARKS	DESIGN	CHECK
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			1/10	MPP	DD	3/10
			1/10	MPP	DD	3/10

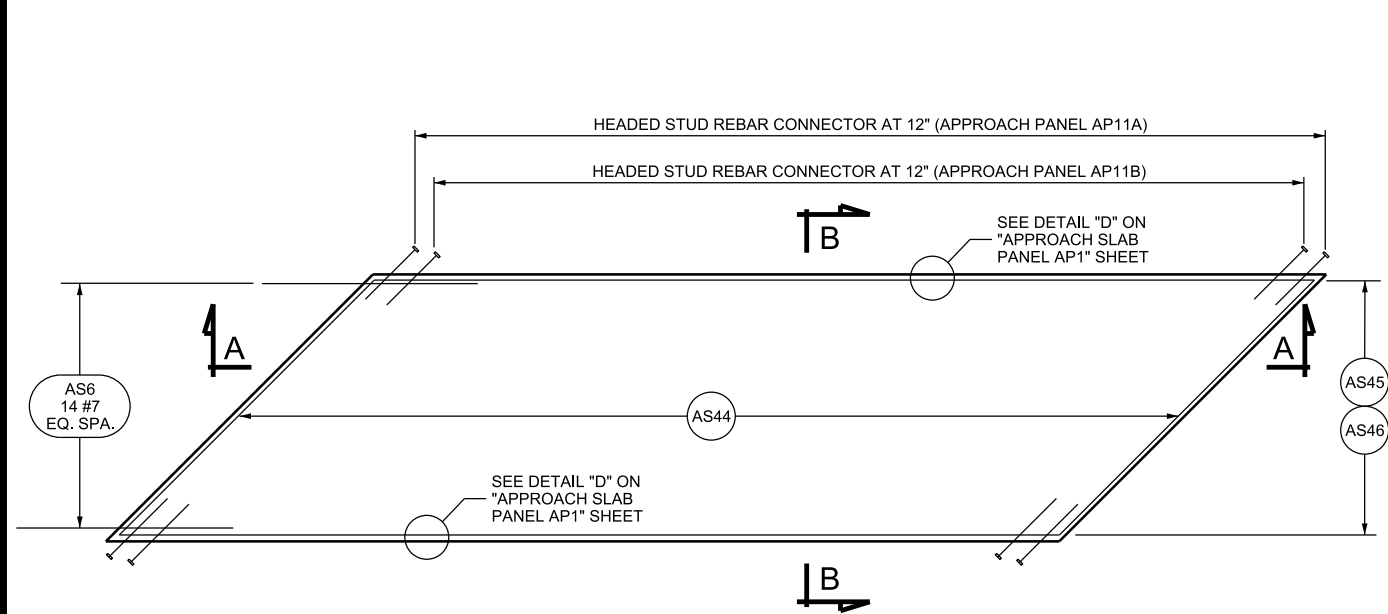
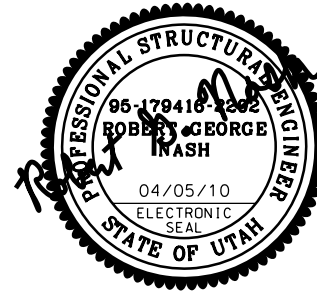


APPROACH PANEL AP11A & AP11B PLAN

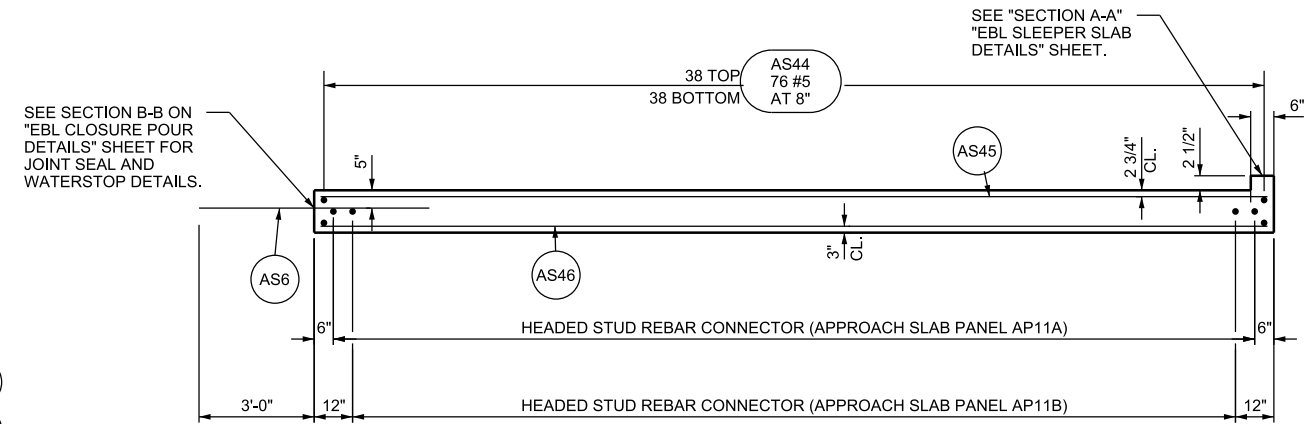
NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.



SECTION B-B



APPROACH PANEL AP11A & AP11B REBAR PLAN



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE

PANEL QUANTITIES

PANEL	NUMBER OF PANELS
APPROACH SLAB PANEL AP11A	1
APPROACH SLAB PANEL AP11B	2

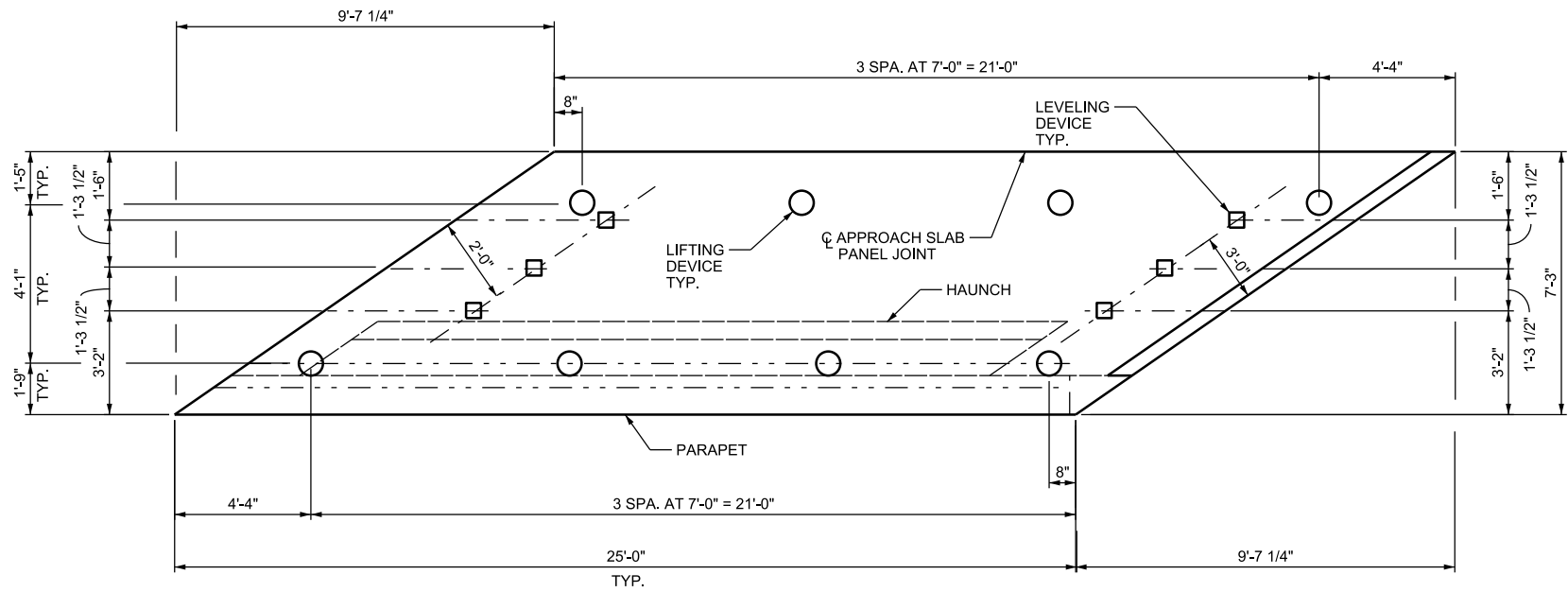
NO.	DATE	BY	REVISION REMARKS
APPROVAL RECOMM.	04/05/10	Robert G. Nash	DESIGN RGN 1/10 CHECK DD 3/10
FOR USE	04/05/10	Robert G. Nash	DRAWN MPP 1/10 CHECK DD 3/10
BY	04/05/10	Robert G. Nash	QUANT. MPP 1/10 CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP11
PROJECT NUMBER F-184-6(97)108
PIN 6560

MORGAN COUNTY
F-114R
DRG. NO.

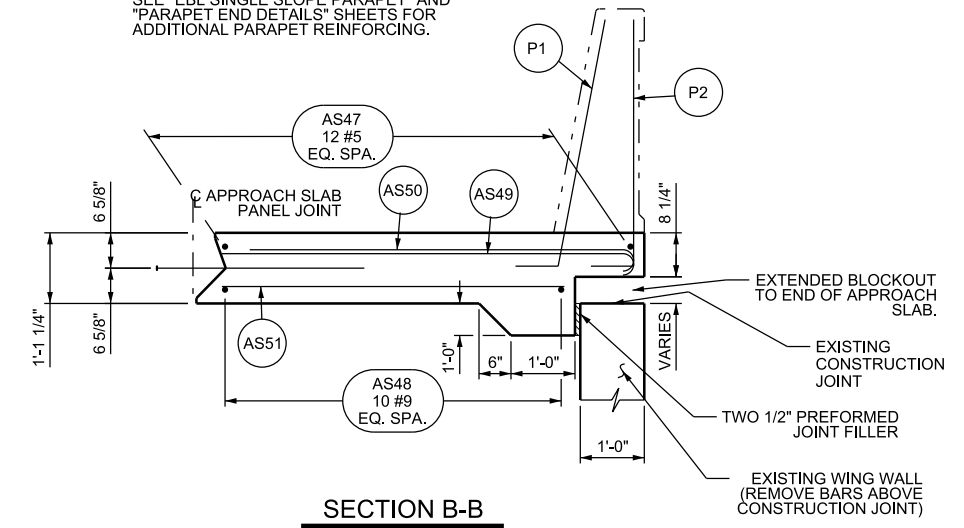
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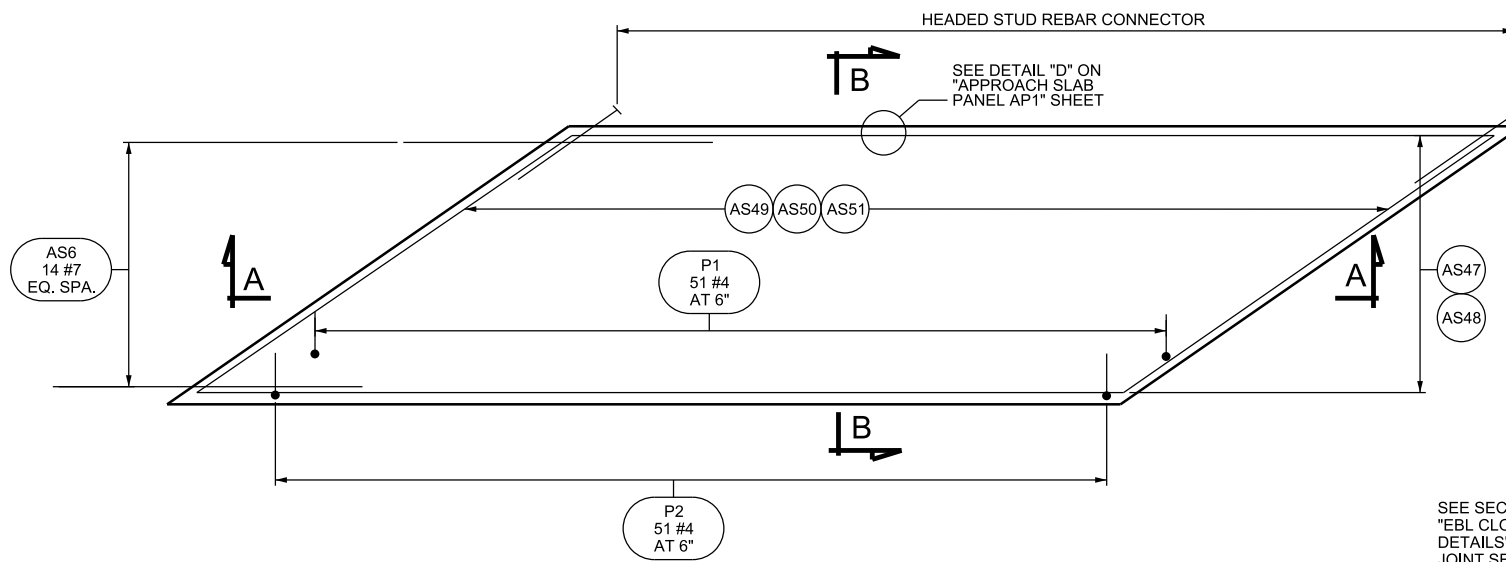
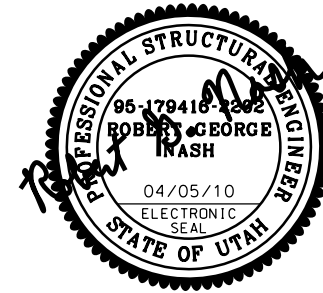
APPROACH PANEL AP12 PLAN

NOTE:
FOR LIFTING DEVICE AND LEVELING DEVICE
DETAILS SEE "PANEL QUANTITIES & DETAILS"
SHEET.

NOTE:
SEE "EBL SINGLE SLOPE PARAPET" AND
"PARAPET END DETAILS" SHEETS FOR
ADDITIONAL PARAPET REINFORCING.

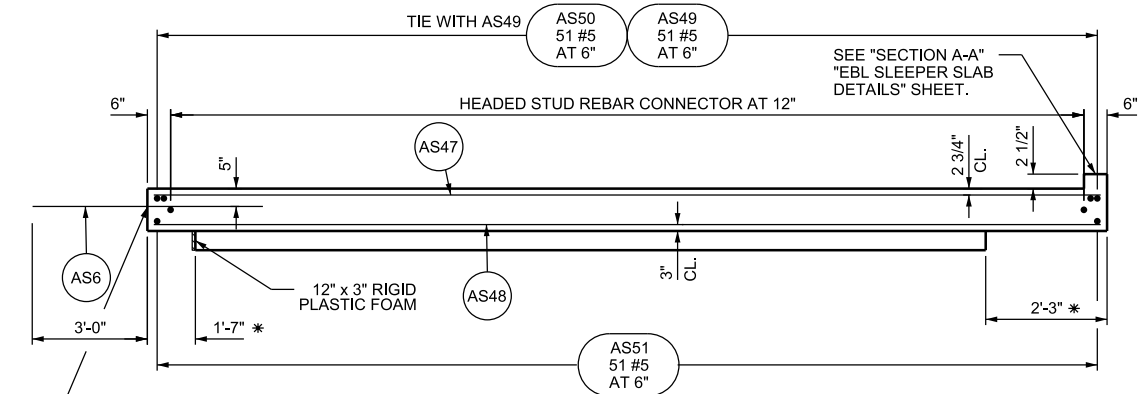


SECTION B-B



APPROACH PANEL AP12 REBAR PLAN

SEE SECTION B-B ON
"EBL CLOSURE POUR
DETAILS" SHEET FOR
JOINT SEAL AND
WATERSTOP DETAILS.



SECTION A-A

REBAR SPACING TAKEN ALONG APPROACH SLAB PANEL EDGE.
DIMENSION WITH * IS TAKEN PERPENDICULAR TO EDGE OF PANEL

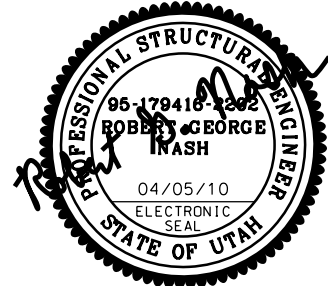
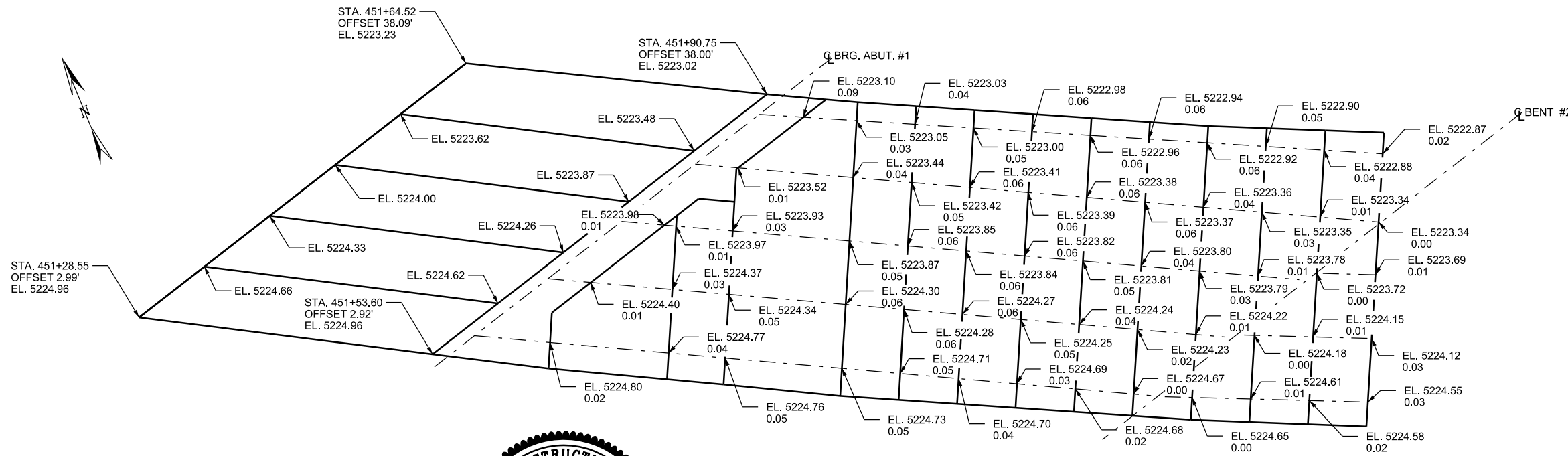
NO.	DATE	BY	REVISION REMARKS	DESIGN	CHECK	DD
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UTAH DEPARTMENT
OF
TRANSPORTATION

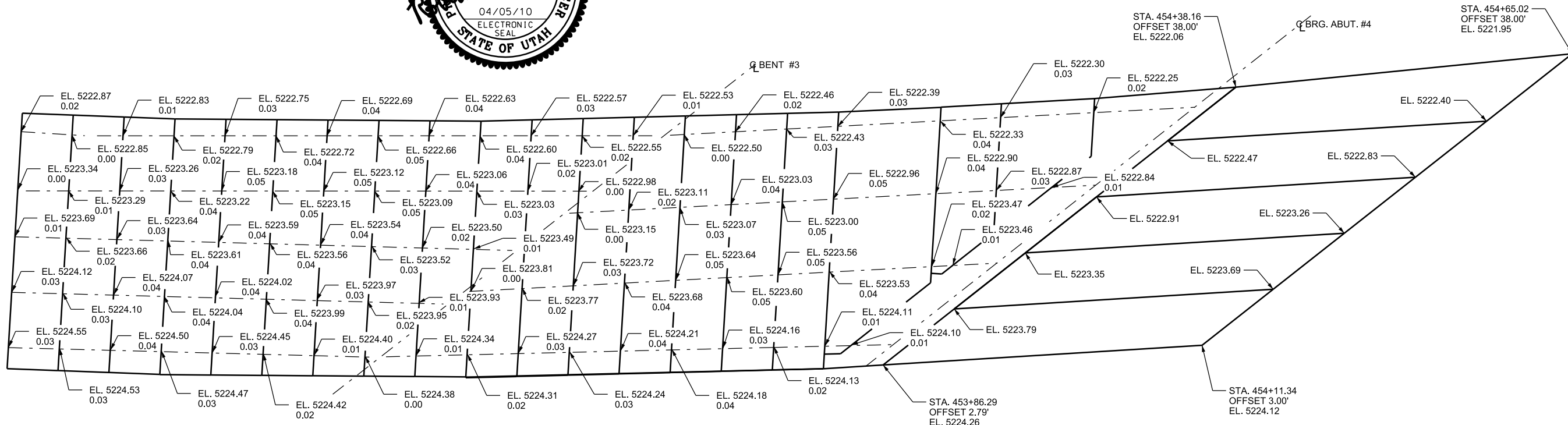
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
APPROACH SLAB PANEL AP12
PROJECT NUMBER: F-184-6(97)108
PIN: 6560

MORGAN
COUNTY
F-114R
DRG. NO.

DDA, F:\as\IP_PWP\asms\1723\6560_F114-37_ApprPanelAP12.dgn 05-APR-2010



WBL PANEL ELEVATION PLAN



WBL PANEL ELEVATION PLAN

NOTES:
 1. TOP NUMBERS SHOWN ARE ELEVATIONS AT TOP OF PRECAST PANEL AFTER ALL CLOSURE POURS ARE COMPLETE BEFORE OVERLAY IS ADDED. BOTTOM NUMBERS SHOWN ARE DEAD LOAD DEFLECTIONS THAT ARE CALCULATED BASED ON ENTIRE DECK IN PLACE WITH OVERLAY IN FINAL CONFIGURATION.
 2. GIVE CONSIDERATION TO 1/4" CONCRETE GRINDING ALLOWANCE WHEN LEVELING PRECAST DECK PANELS.

DDA, F:\as IP_PWP\asms\1723\6560-F114-38-WBL_Panels\Elav.dgn 05-APR-2010

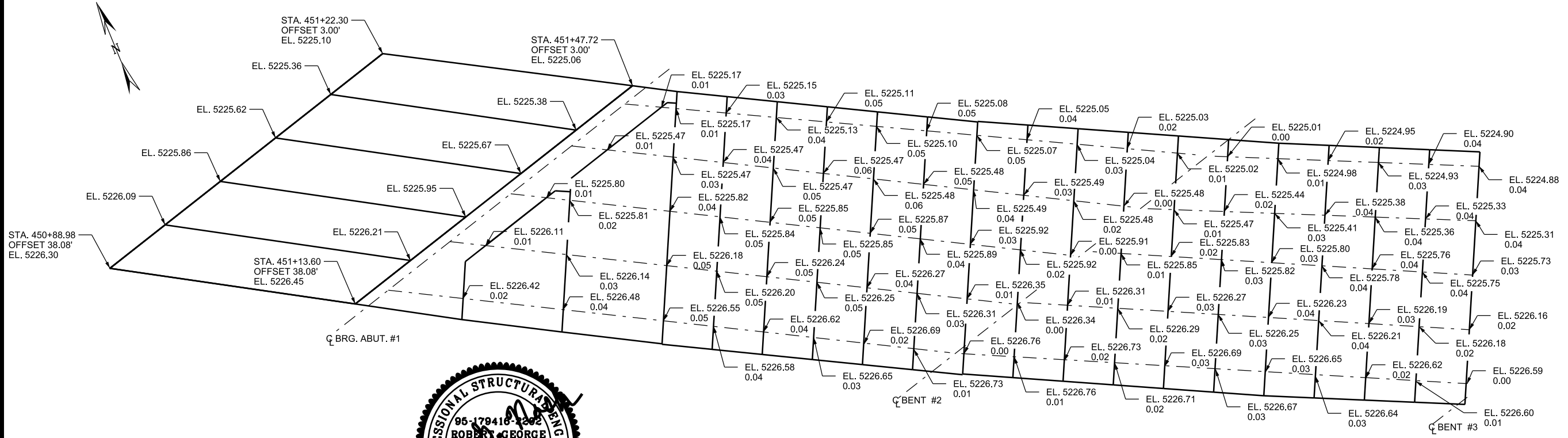
NO.	DATE	BY	REVISION REMARKS
DESIGN	RGN	1/10	CHECK DD 3/10
DRAWN	MPP	1/10	CHECK DD 3/10
QUANT.	MPP	1/10	CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

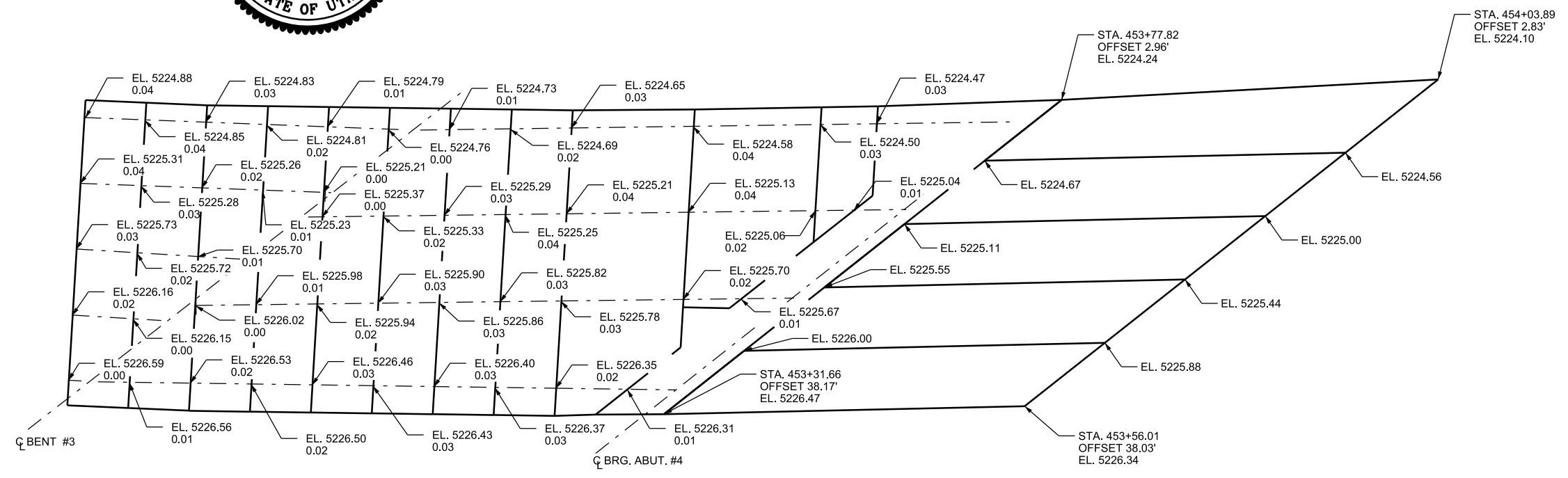
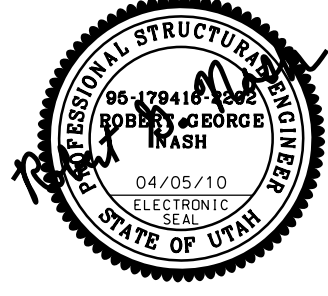
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART I-84 OVER U.P.R.R. WBL PANEL ELEVATIONS
 PROJECT NUMBER F-184-6(97)108 PIN 6560

MORGAN COUNTY
 F-114R
 DRG. NO.
 SH. 38 OF 54

05-APR-2018 D:\A_114_114\114-39-EBL-Panel\EBL-Panel.dwg



EBL PANEL ELEVATION PLAN

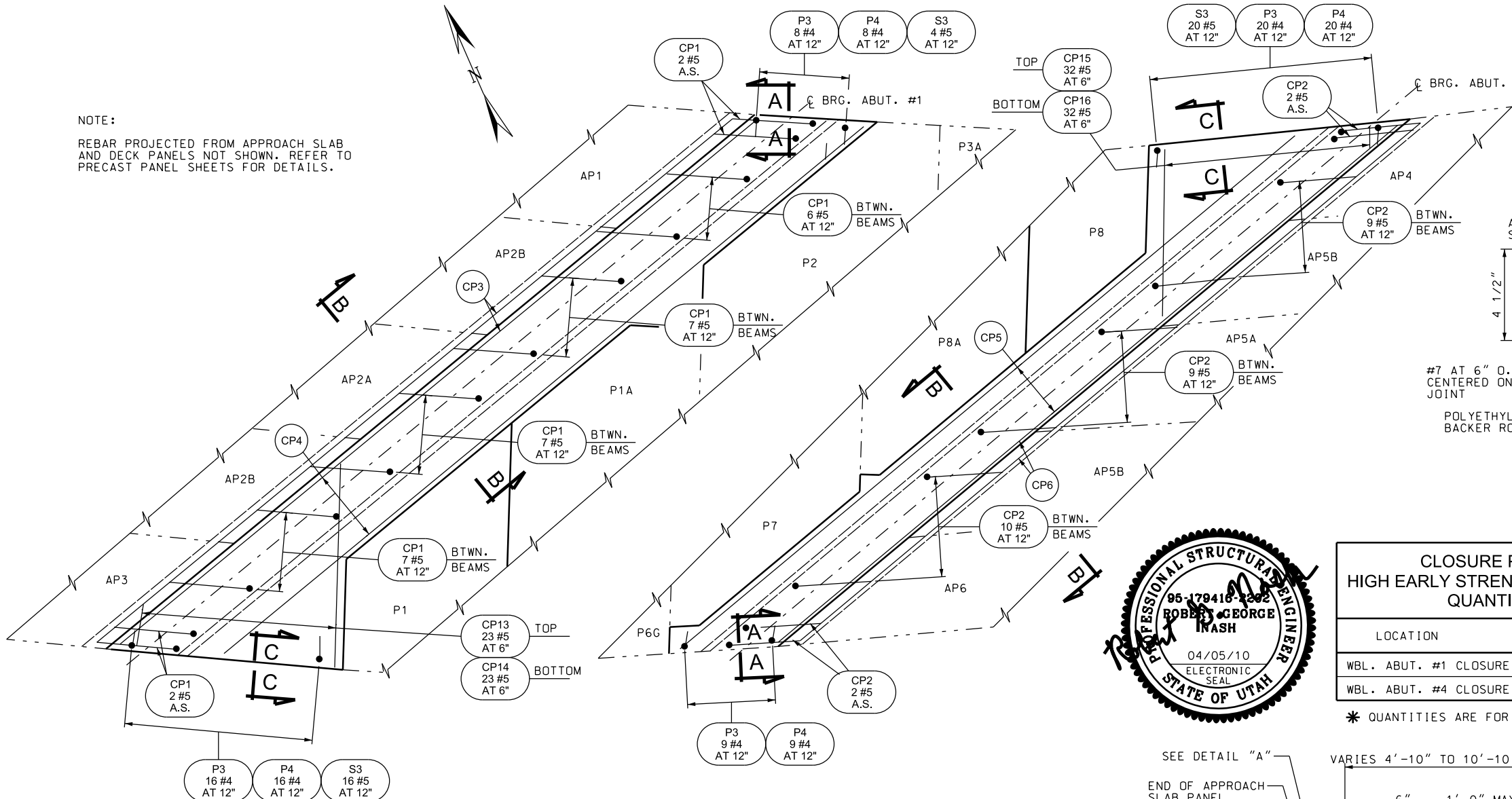


EBL PANEL ELEVATION PLAN

- NOTES:
1. TOP NUMBERS SHOWN ARE ELEVATIONS AT TOP OF PRECAST PANEL AFTER ALL CLOSURE POURS ARE COMPLETE BEFORE OVERLAY IS ADDED. BOTTOM NUMBERS SHOWN ARE DEAD LOAD DEFLECTIONS THAT ARE CALCULATED BASED ON ENTIRE DECK IN PLACE WITH OVERLAY IN FINAL CONFIGURATION.
 2. GIVE CONSIDERATION TO 1/4" CONCRETE GRINDING ALLOWANCE WHEN LEVELING PRECAST DECK PANELS.

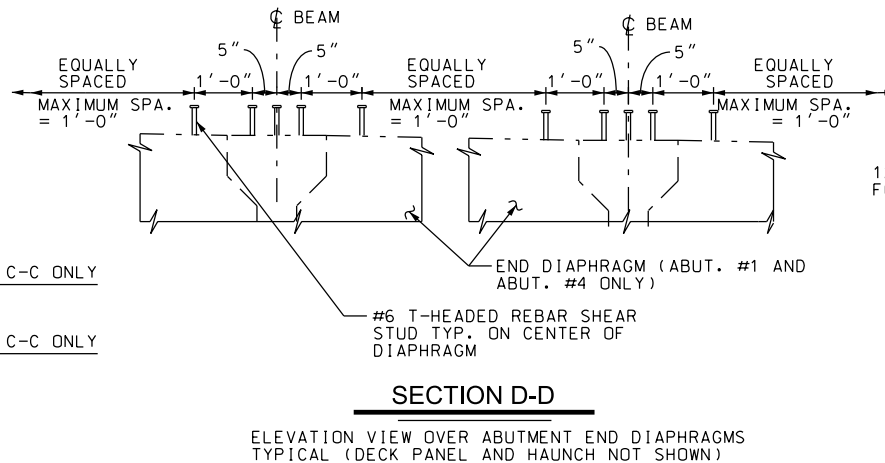
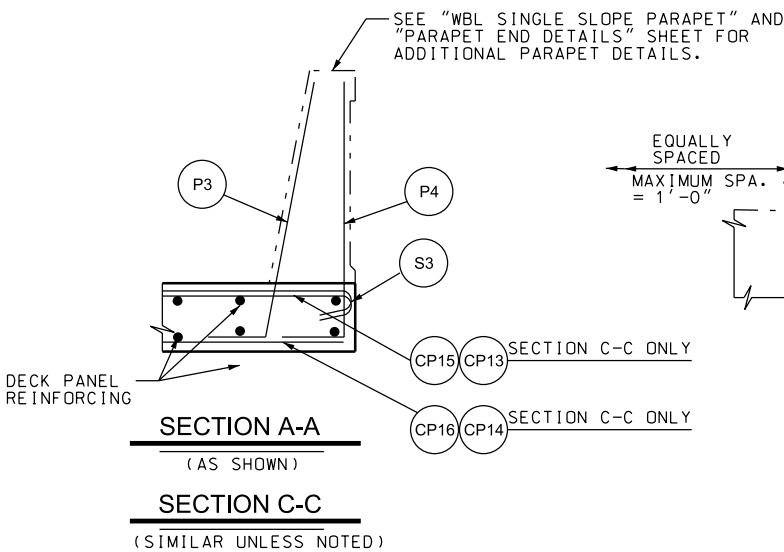
UTAH DEPARTMENT OF TRANSPORTATION		I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.		EBL PANEL ELEVATION		PROJECT NUMBER F-184-6(97)108		PIN 6560	
NO.	DATE	BY	REVISION	DESIGN	CHECK	QUANT.	DATE	BY	REVISION	DESIGN	CHECK
				RG1	DD		04/05/10	Robert D. Inash	1/10	DD	3/10
				MPP	DD		04/05/10		1/10	DD	3/10
				MPP	DD		04/05/10		1/10	DD	3/10
APPROVED FOR USE BY UDOT											
APPROVAL RECOMM. DATE											
SENIOR DESIGN ENGR. DATE											
UDOT BRIDGE ENGR. DATE											
MORGAN COUNTY											
F-114R											
DRG. NO.											
SHT. 39 OF 54											

NOTE:
REBAR PROJECTED FROM APPROACH SLAB AND DECK PANELS NOT SHOWN. REFER TO PRECAST PANEL SHEETS FOR DETAILS.



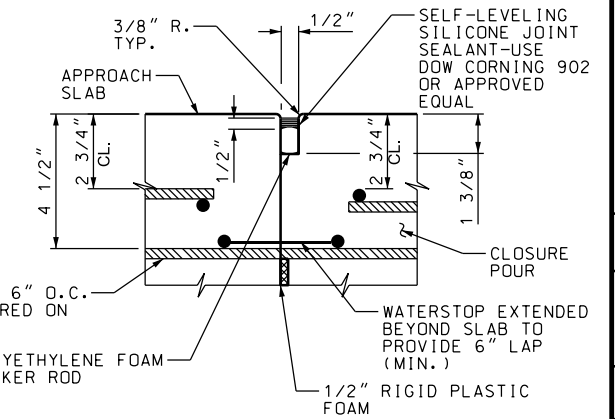
WBL ABUT. #1 CLOSURE POUR PLAN

WBL ABUT. #4 CLOSURE POUR PLAN

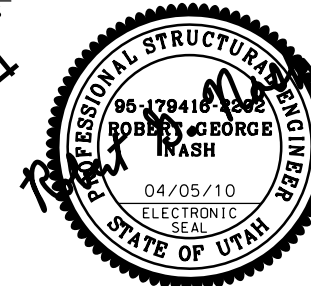


ELEVATION VIEW OVER ABUTMENT END DIAPHRAGMS TYPICAL (DECK PANEL AND HAUNCH NOT SHOWN)

NOTE:
INCLUDE COST OF ABUT. CLOSURE POURS IN THE COST OF "PRECAST CONCRETE DECK PANEL" PAY ITEM.

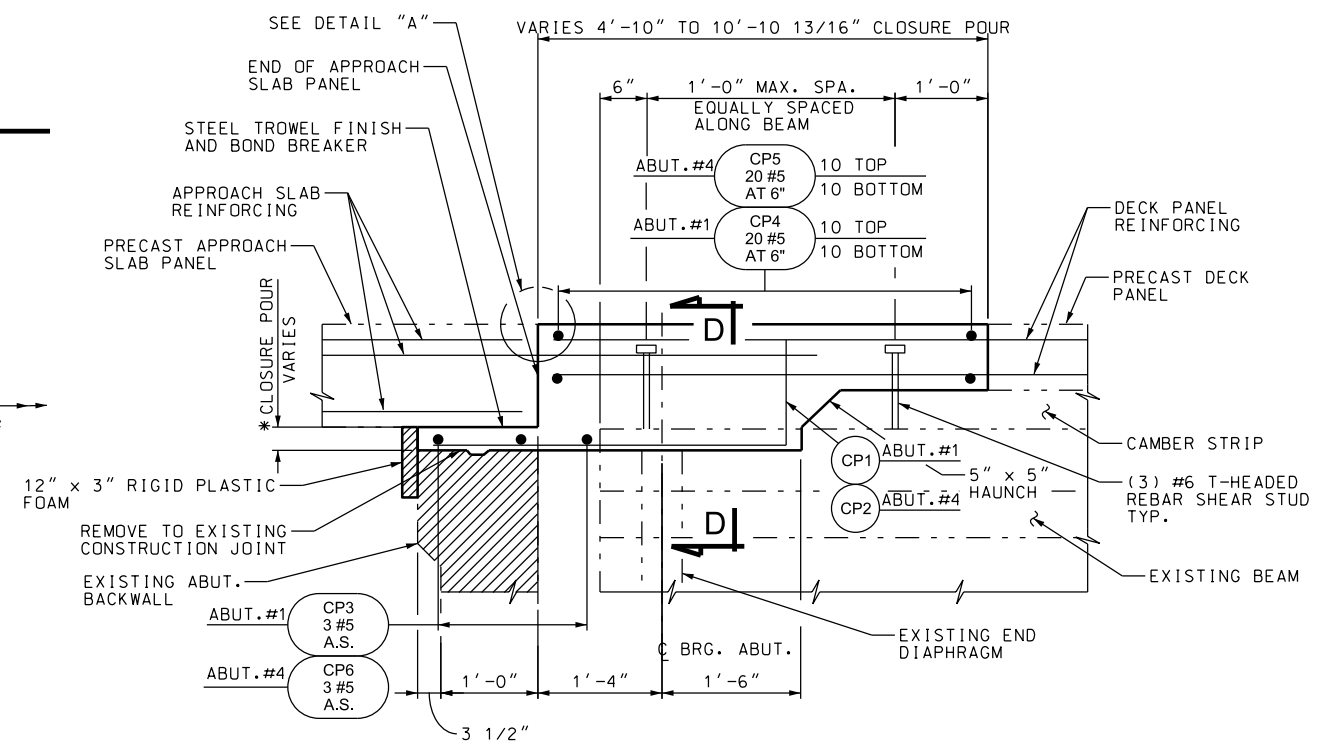


DETAIL "A"



CLOSURE POUR * HIGH EARLY STRENGTH CONCRETE QUANTITIES	
LOCATION	TOTAL CU. YDS.
WBL. ABUT. #1 CLOSURE POUR	12.4
WBL. ABUT. #4 CLOSURE POUR	14.6

* QUANTITIES ARE FOR INFORMATION ONLY



SECTION B-B

NOTE:
* 4" MINIMUM FOR THIS CLOSURE POUR DIMENSION. TRIM DOWN CONCRETE BACKWALL AS NECESSARY.

DESIGN	RGJ	1/10	CHECK	DD	3/10
DRAWN	MPP	1/10	CHECK	DD	3/10
QUANT.	MPP	1/10	CHECK	DD	3/10

REVISION REMARKS

APPROVAL FOR USE: **Robert George Inash**, SENIOR DESIGN ENGINEER, DATE: 04/05/10

APPROVED FOR UDOT: **[Signature]**, UDOT BRIDGE ENGINEER, DATE: 04/05/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART

I-84 OVER U.P.R.R.

WBL CLOSURE POUR DETAILS

PROJECT NUMBER: F-184-6(97)108

PIN: 6560

MORGAN COUNTY

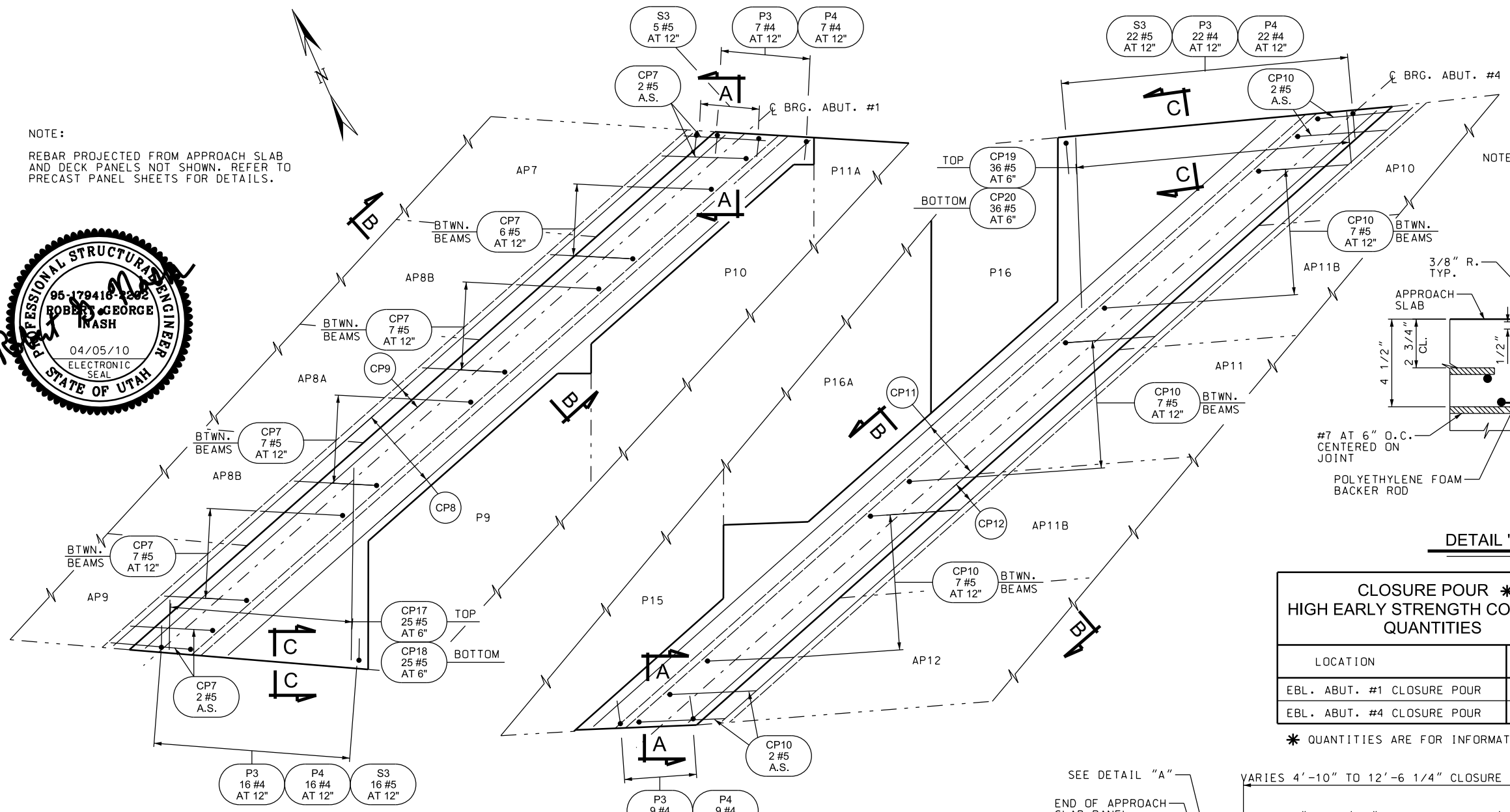
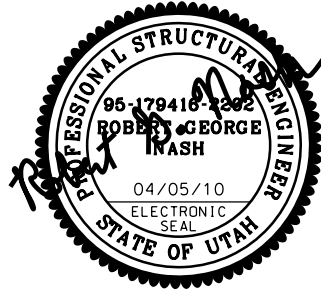
F-114R

DRG. NO.

SHT. 40 OF 54

NOTE:

REBAR PROJECTED FROM APPROACH SLAB AND DECK PANELS NOT SHOWN. REFER TO PRECAST PANEL SHEETS FOR DETAILS.

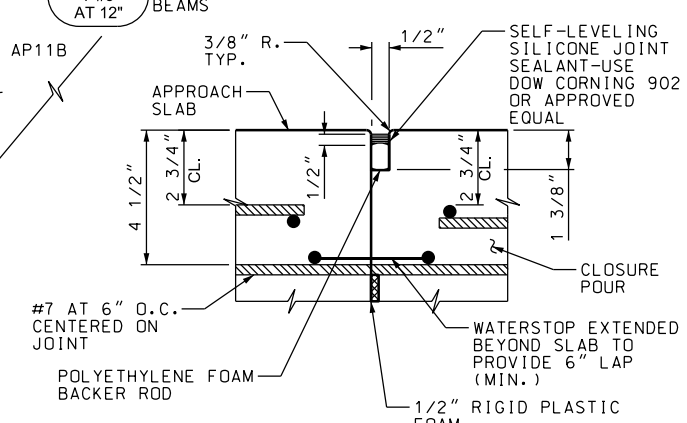


EBL ABUT. #1 CLOSURE POUR PLAN

EBL ABUT. #4 CLOSURE POUR PLAN

NOTE:

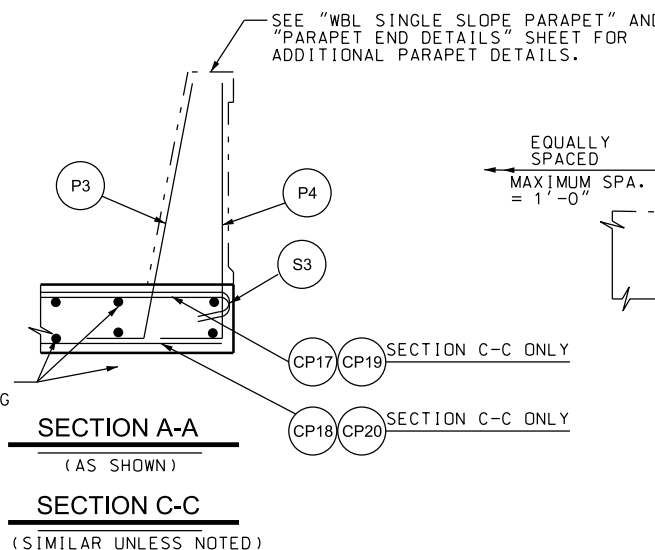
INCLUDE COST OF ABUT. CLOSURE POURS IN THE COST OF "PRECAST CONCRETE DECK PANEL" PAY ITEM.



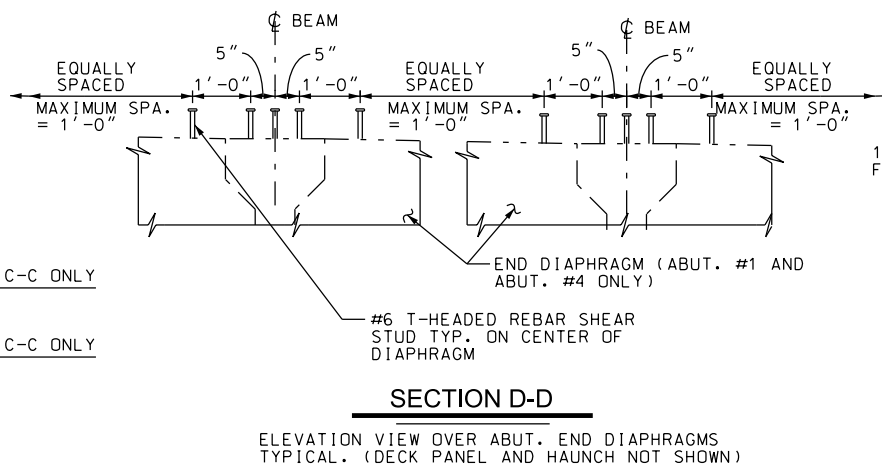
DETAIL "A"

CLOSURE POUR * HIGH EARLY STRENGTH CONCRETE QUANTITIES	
LOCATION	TOTAL CU. YDS.
EBL. ABUT. #1 CLOSURE POUR	11.6
EBL. ABUT. #4 CLOSURE POUR	14.7

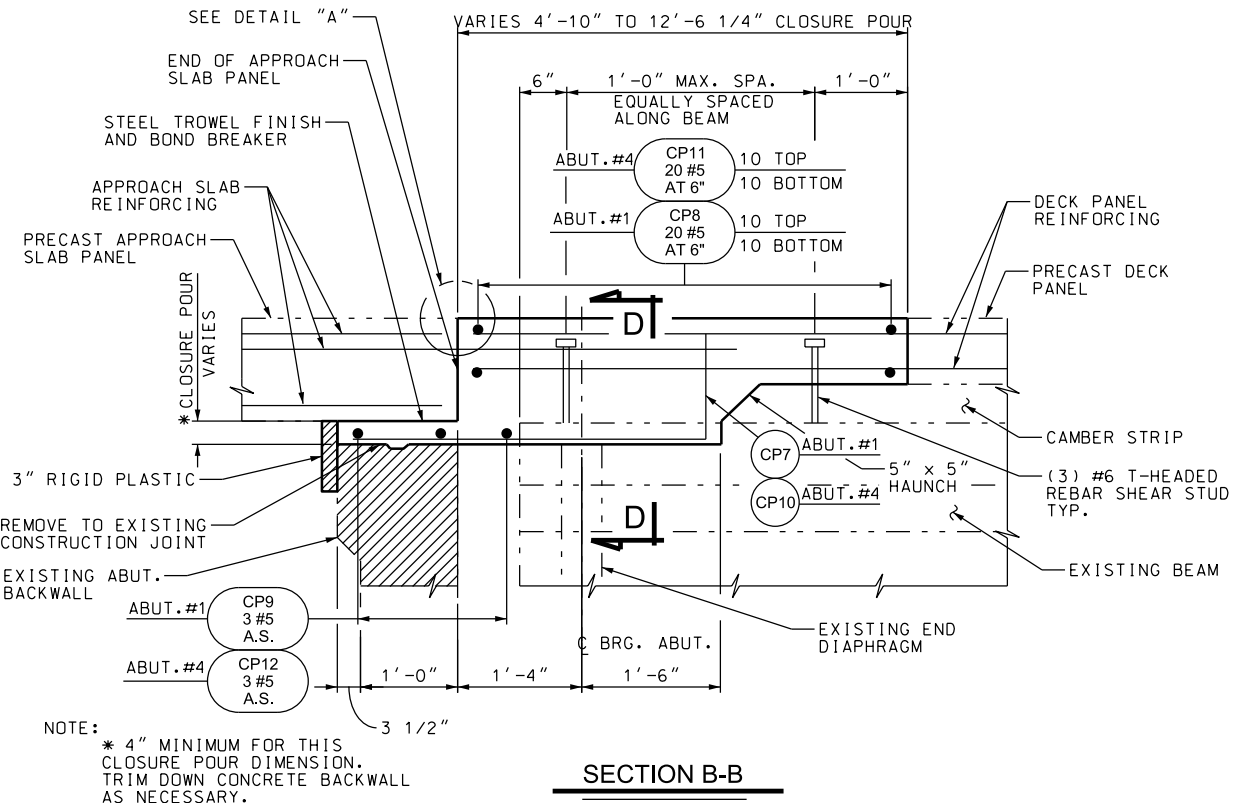
* QUANTITIES ARE FOR INFORMATION ONLY



SECTION A-A (AS SHOWN)
SECTION C-C (SIMILAR UNLESS NOTED)



SECTION D-D
ELEVATION VIEW OVER ABUT. END DIAPHRAGMS TYPICAL. (DECK PANEL AND HAUNCH NOT SHOWN)



SECTION B-B

NOTE: * 4" MINIMUM FOR THIS CLOSURE POUR DIMENSION. TRIM DOWN CONCRETE BACKWALL AS NECESSARY.

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART

I-84 OVER U.P.R.R.

EBL CLOSURE POUR DETAILS

PROJECT NUMBER: F-184-6(97)108

PIN: 6560

DESIGN	RGN	1/10	CHECK	DD	3/10
DRAWN	MPP	1/10	CHECK	DD	3/10
QUANT.	MPP	1/10	CHECK	DD	3/10

MORGAN COUNTY

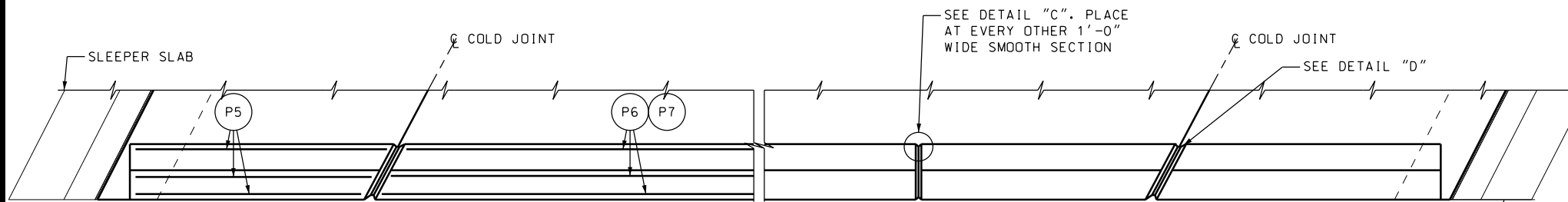
F-114R

DRG. NO.

SHT. 41 OF 54

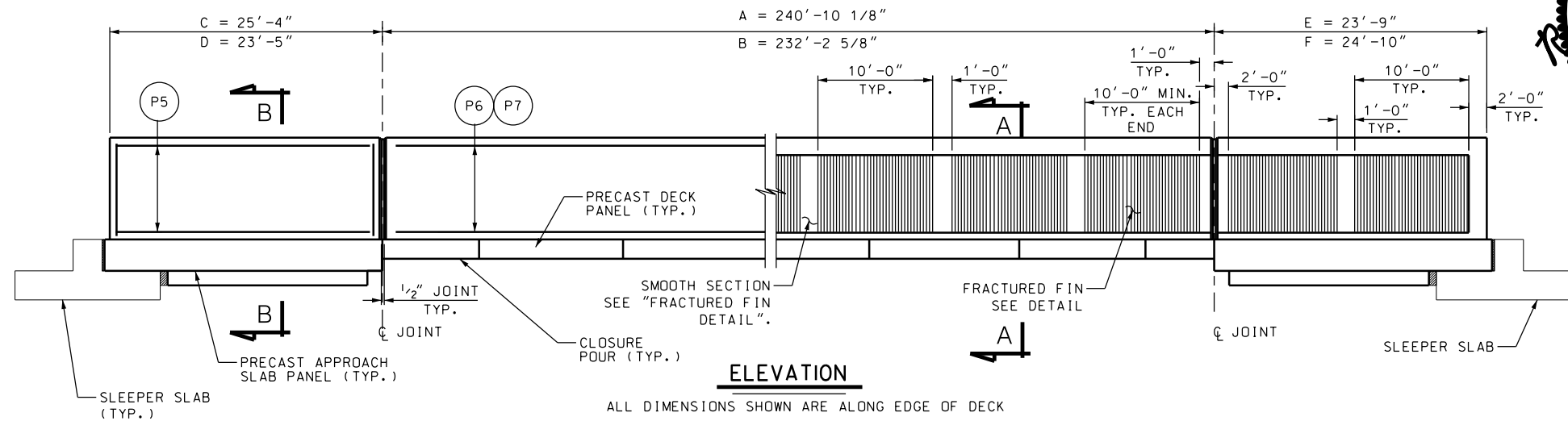
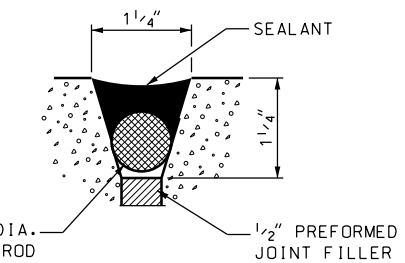
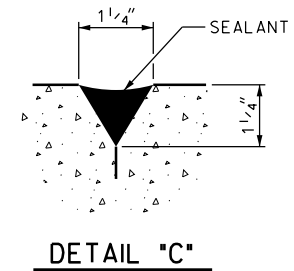
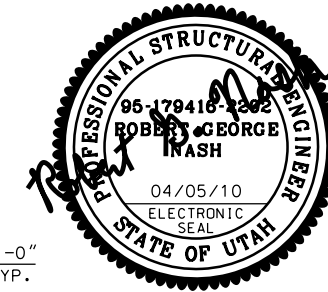
GENERAL NOTES

1. ALTERNATE ALL REINFORCING STEEL SPLICES.
2. PROVIDE 2" MIN. COVER TO REINFORCING STEEL UNLESS NOTED OTHERWISE.
3. PLACE CONTRACTION JOINT ON SIDES AND TOP OF PARAPET.
4. EXTEND SEALANT AND FOAM BACKER ROD FROM DECK TO TOP OF PARAPET ON THE INSIDE PARAPET FACE AND ACROSS TOP OF PARAPET.
5. LOCATE DRAWING NUMBER ON RIGHT-HAND SIDE OF APPROACH PARAPET.

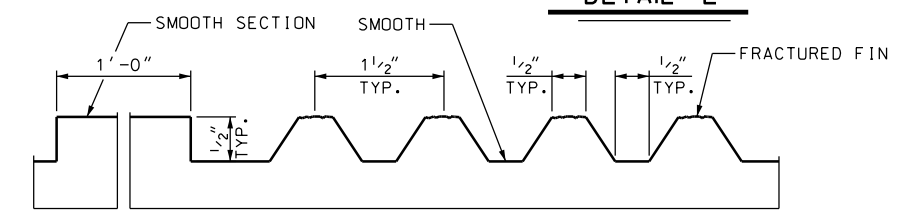
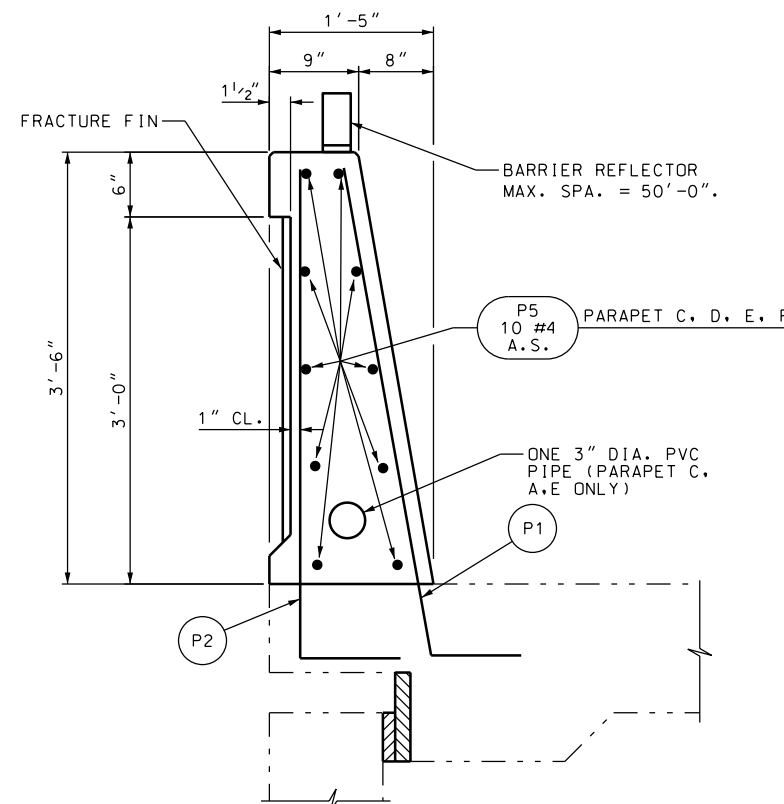
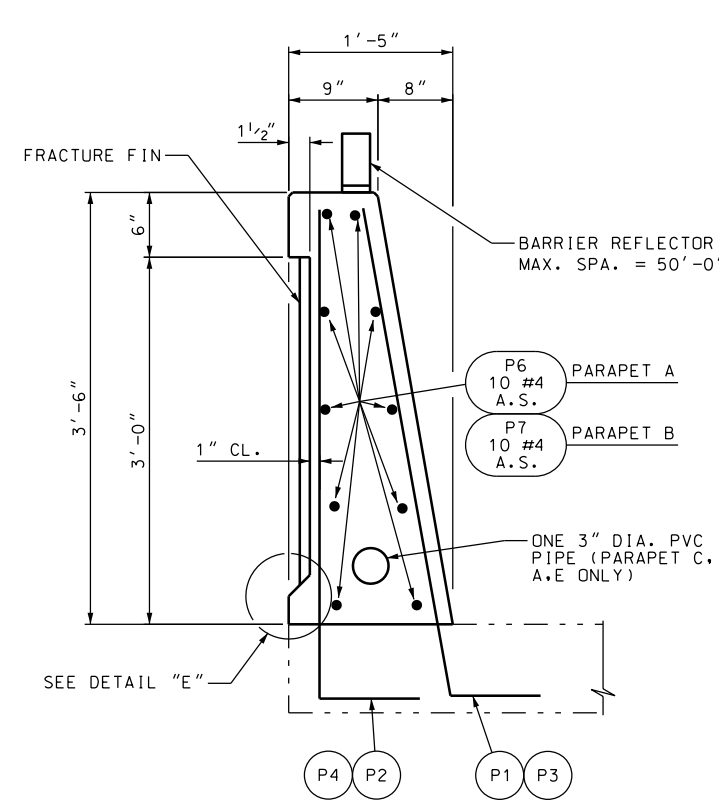
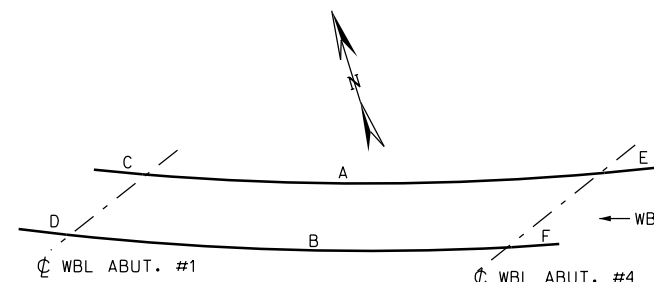
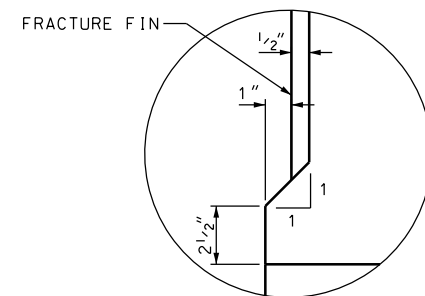


PLAN

NOTE:
REINFORCING STEEL IS TYPICAL AT EACH END OF STRUCTURE.



DETAIL "E"



FOR INFORMATION ONLY
CIP STRUCTURAL CONCRETE
LIGHT WEIGHT CU. YDS.

WBL DECK & CLOSURE POUR	66.4
WBL APPROACH SLABS	13.7

NO.	DATE	BY	REVISION REMARKS
DESIGN	RGN	1/10	CHECK DD 3/10
DRAWN	MPP	1/10	CHECK DD 3/10
QUANT.	MPP	1/10	CHECK DD 3/10

APPROVAL FOR USE BY UDOT DATE 04/05/10

APPROVAL FOR USE BY UDOT DATE 04/05/10

PROJECT NUMBER F-184-6(97)108

PIN 6560

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART

I-84 OVER U.P.R.R.

WBL SINGLE SLOPE PARAPET

MORGAN COUNTY

F-114R

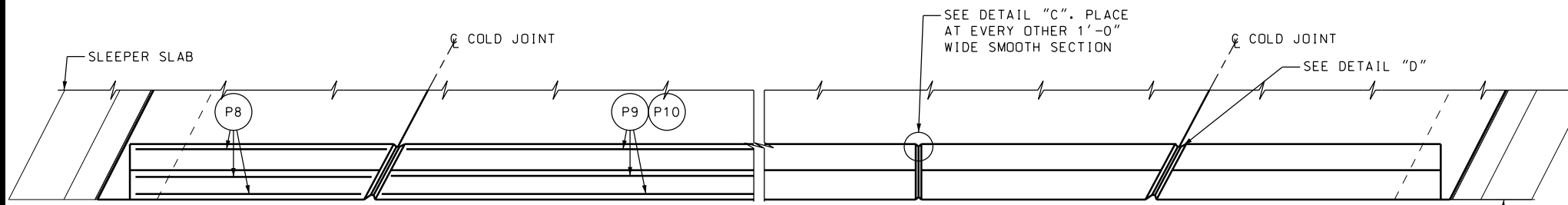
DRG. NO.

SHT. 42 OF 54

05-APR-2010 DCA, F:\as IP_PWP\as1723\6560_F114-42_Parapet.dgn

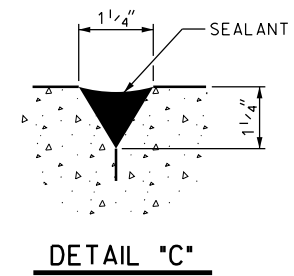
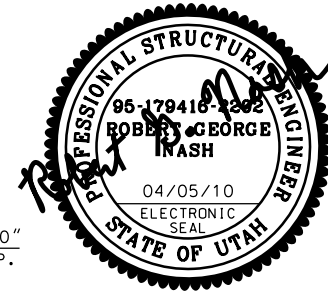
GENERAL NOTES

1. ALTERNATE ALL REINFORCING STEEL SPLICES.
2. PROVIDE 2" MIN. COVER TO REINFORCING STEEL UNLESS NOTED OTHERWISE.
3. PLACE CONTRACTION JOINT ON SIDES AND TOP OF PARAPET.
4. EXTEND SEALANT AND FOAM BACKER ROD FROM DECK TO TOP OF PARAPET ON THE INSIDE PARAPET FACE AND ACROSS TOP OF PARAPET.
5. LOCATE DRAWING NUMBER ON RIGHT-HAND SIDE OF APPROACH PARAPET.

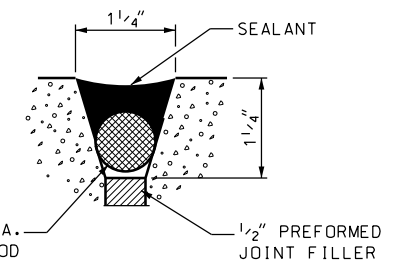


PLAN

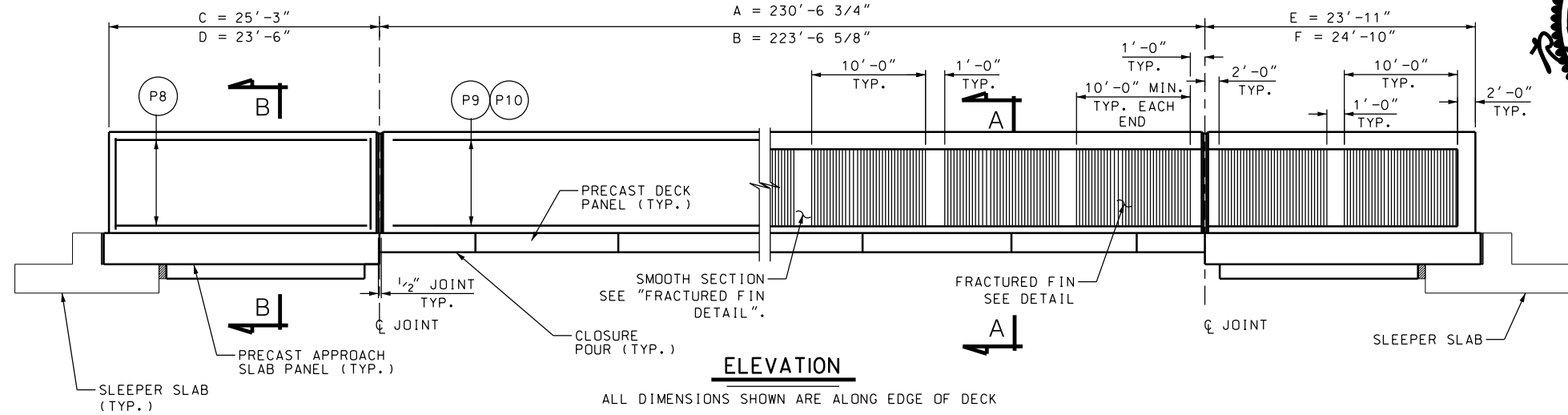
NOTE:
REINFORCING STEEL IS TYPICAL AT EACH END OF STRUCTURE.



DETAIL 'C'

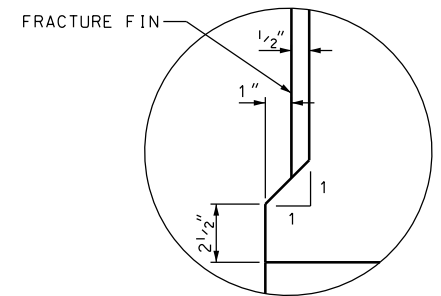


DETAIL 'D'

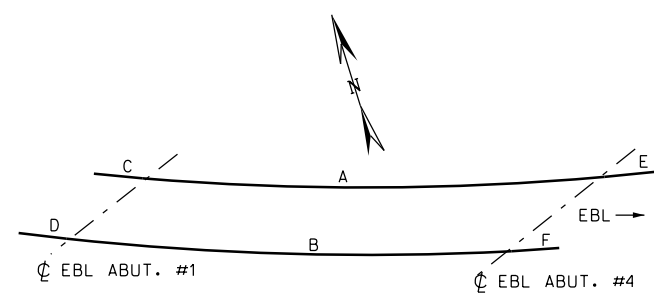


ELEVATION

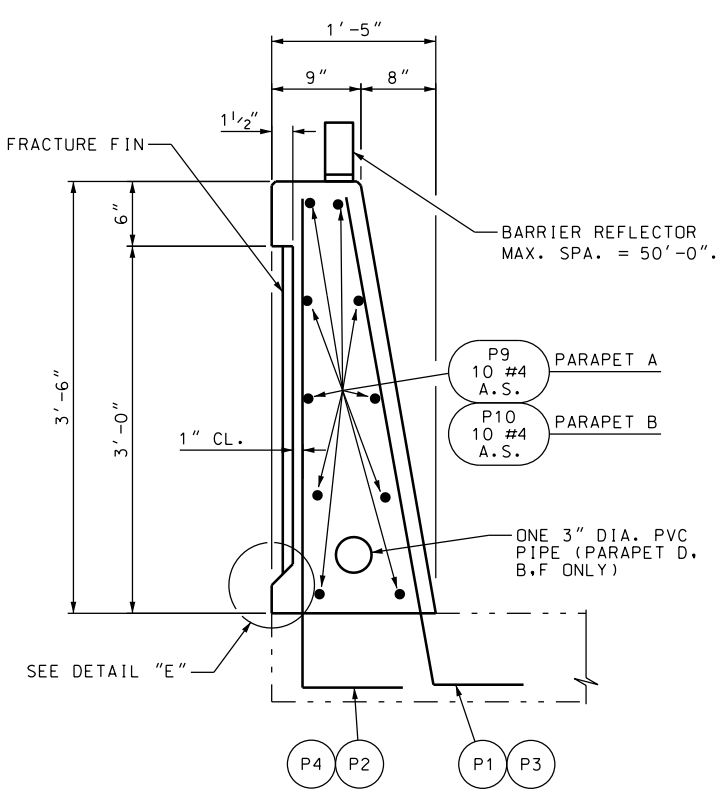
ALL DIMENSIONS SHOWN ARE ALONG EDGE OF DECK



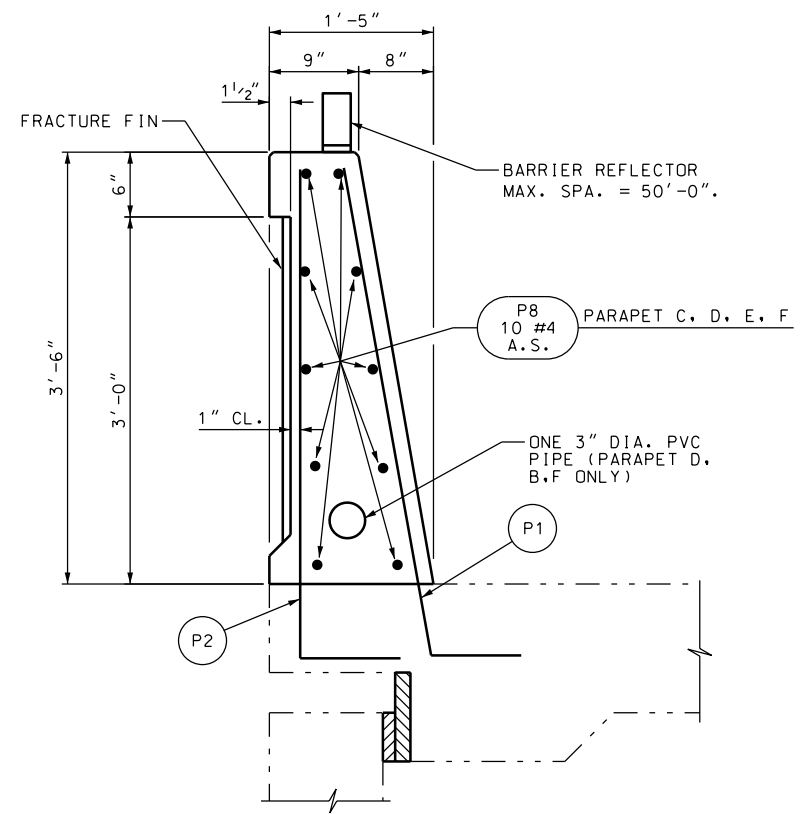
DETAIL 'E'



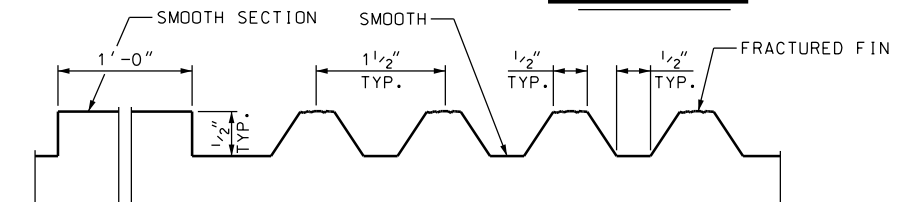
WBL KEY PLAN



SECTION A-A



SECTION B-B



FRACTURED FIN DETAIL

FOR INFORMATION ONLY CIP STRUCTURAL CONCRETE LIGHT WEIGHT CU. YDS.	
EBL DECK & CLOSURE POUR	63.8
EBL APPROACH SLABS	13.7

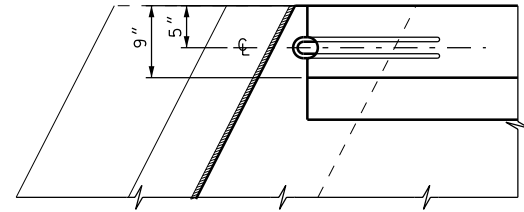
DESIGN	DD	3/10
CHECK	DD	3/10
DRAWN	MPP	1/10
CHECK	DD	3/10
QUANT.	MPP	1/10
CHECK	DD	3/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
EBL SINGLE SLOPE PARAPET
PROJECT NUMBER: F-184-6(97)108
PIN: 6560

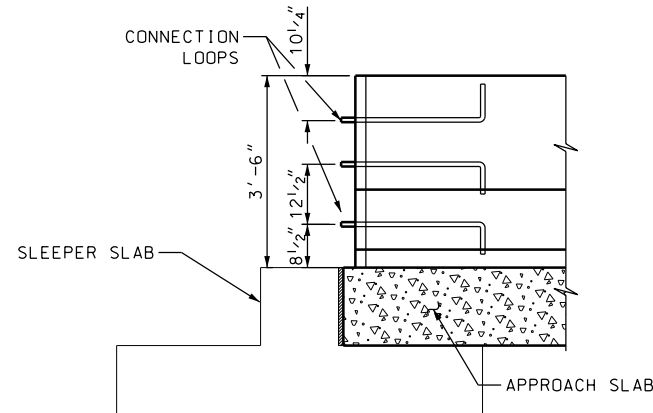
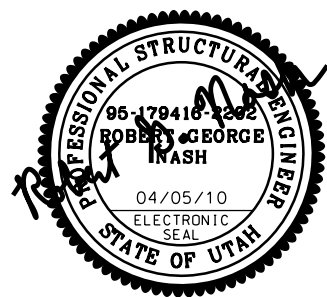
MORGAN COUNTY
F-114R
DRG. NO.

06-APR-2010 DCA, F:\as\IP_PWP\as\1723\6560_F114-43_EBL_Parapet.dgn



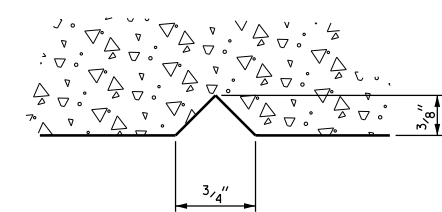
PLAN

NOTE:
IF GUARDRAIL CONNECTION IS NEEDED,
CONNECT USING STANDARD DWGS. BA4B
AND BA4C.

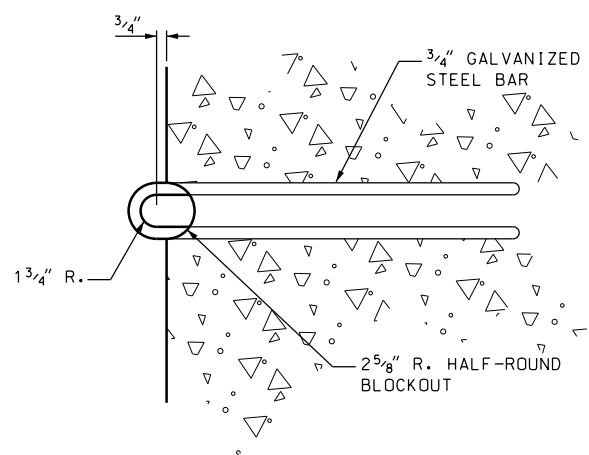


TYPICAL ELEVATION

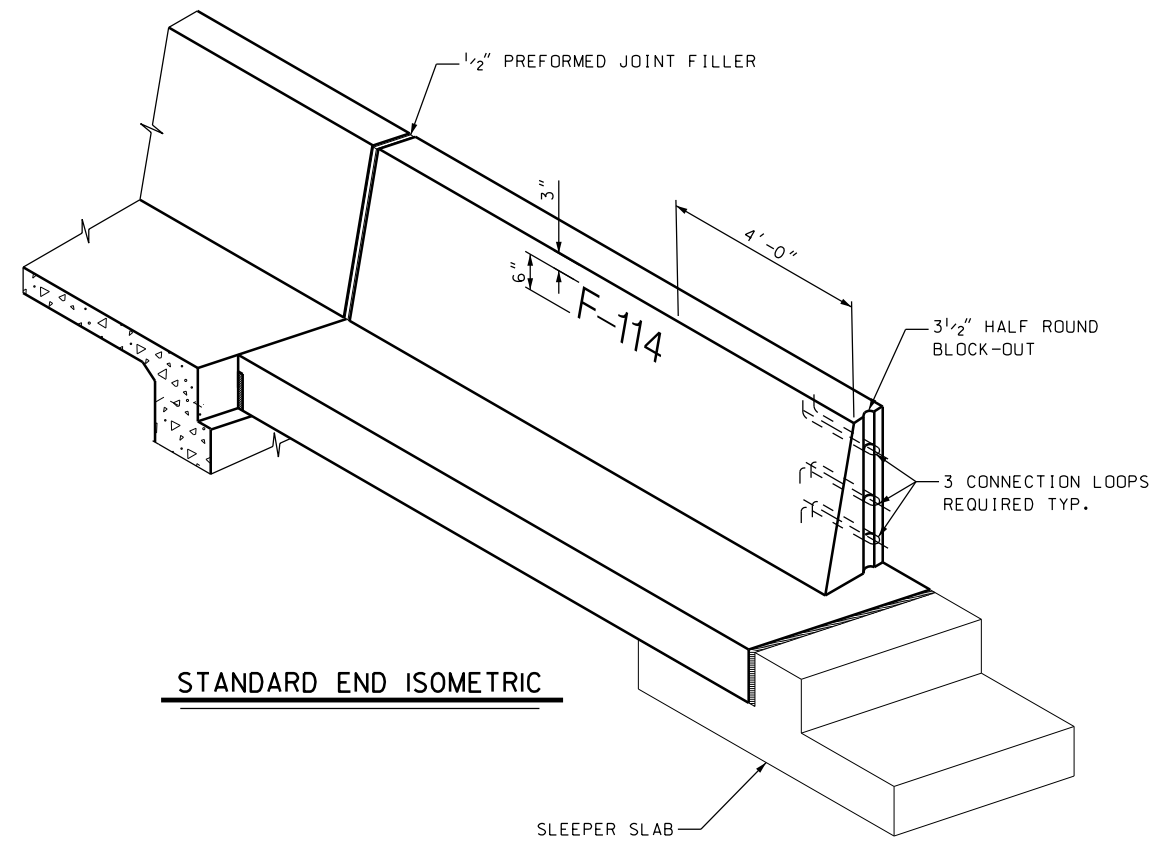
STANDARD END DETAILS



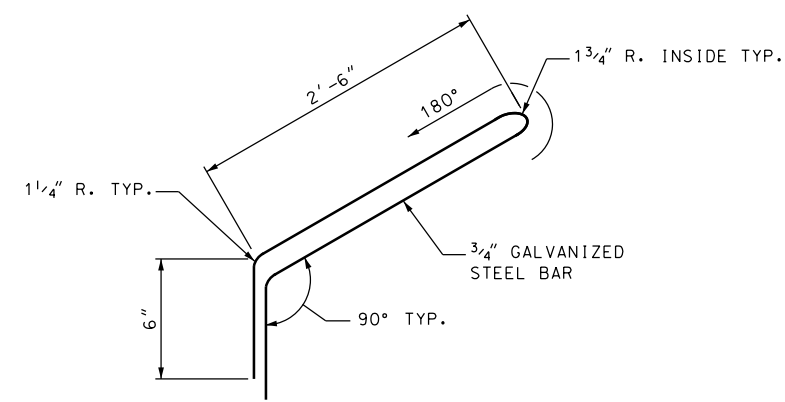
TYPICAL SECTION
THRU DRAWING NUMBER



CONNECTION END DETAIL



STANDARD END ISOMETRIC



CONNECTION LOOP DETAIL

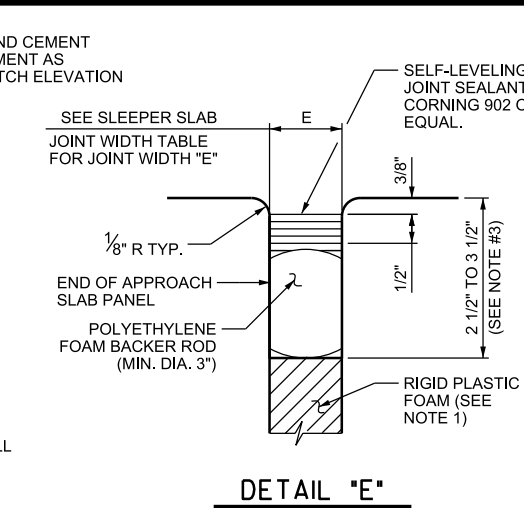
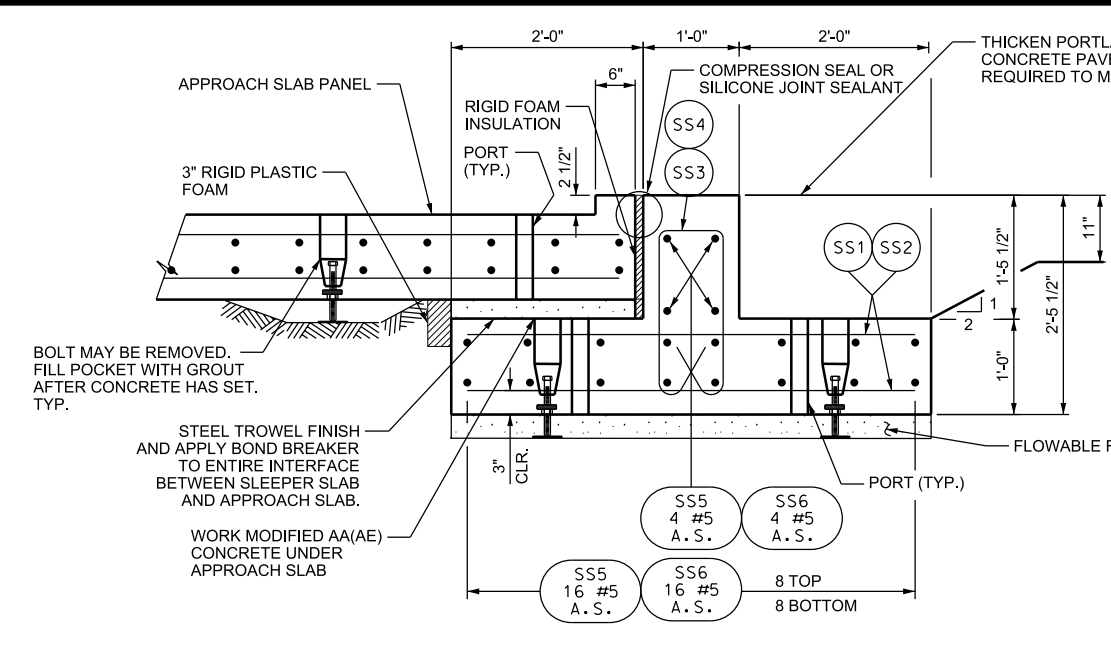
REVISION REMARKS	
DESIGN RGN	1/10
CHECK DD	3/10
DRAWN MPP	1/10
CHECK DD	3/10
QUANT. MPP	1/10
CHECK DD	3/10

UTAH DEPARTMENT
OF
TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
PARAPET END DETAILS
PROJECT NUMBER
F-184-6(97)108
PIN 6560

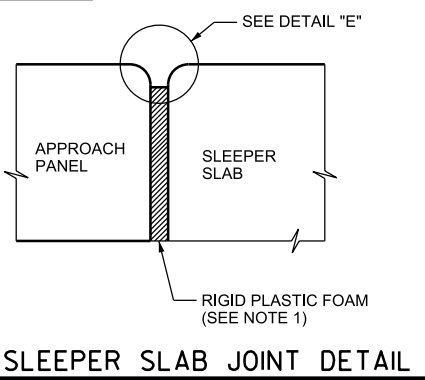
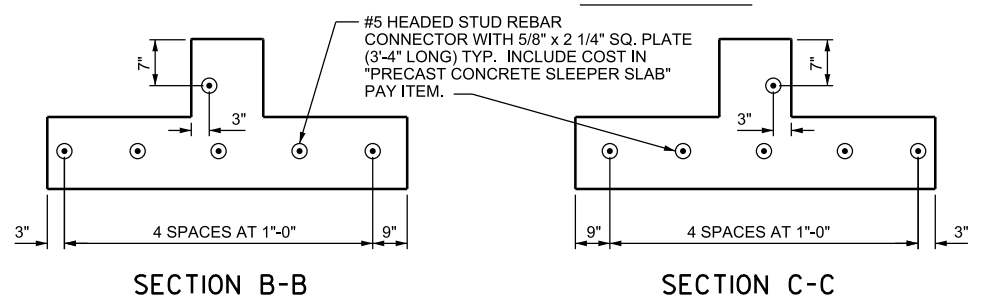
MORGAN
COUNTY
F-114R
DRG. NO.

05-APR-2010 DCA, F:\as\IP_PWP\Items\1723\6560-F114-44_ParapetEnd.dgn

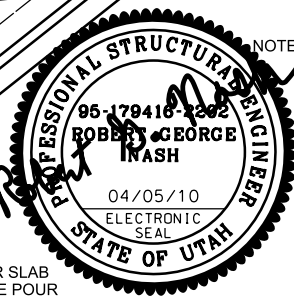
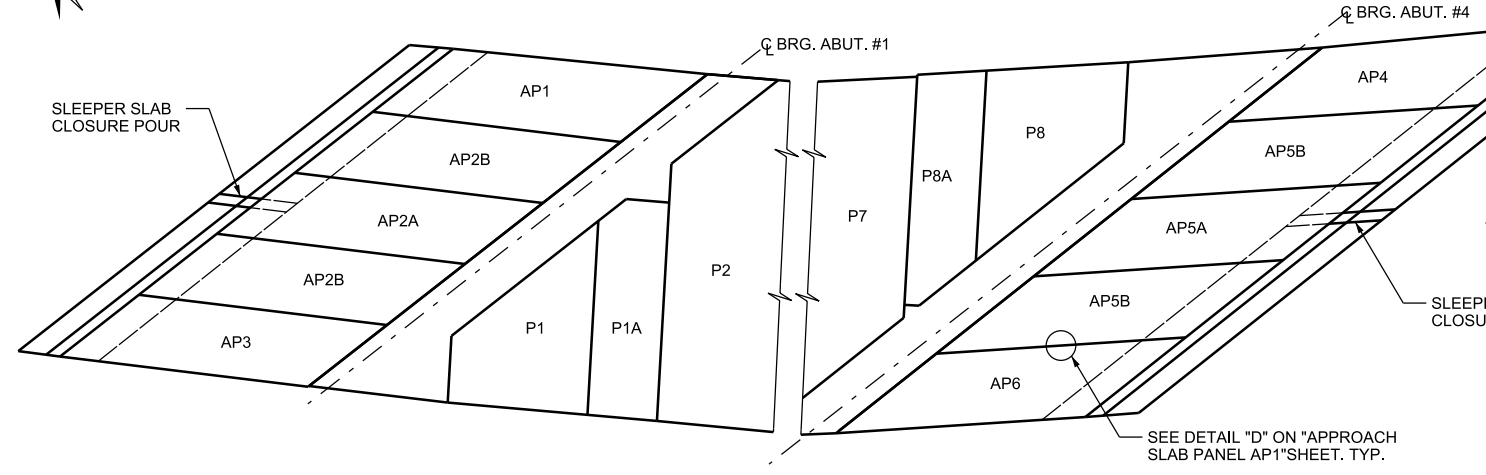
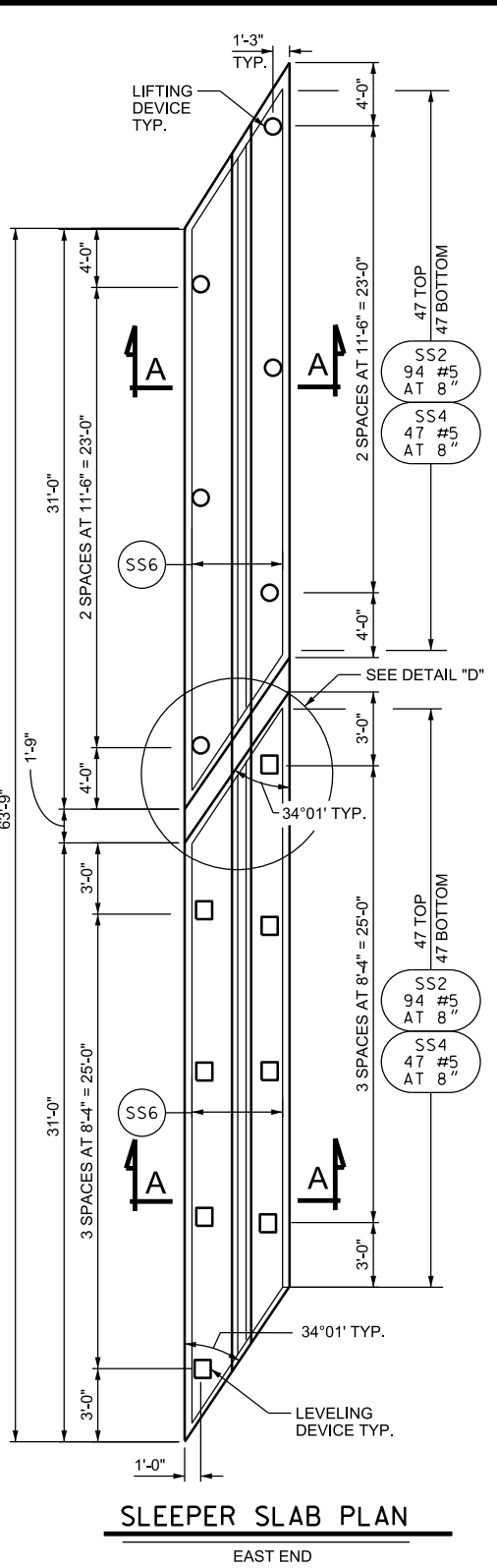
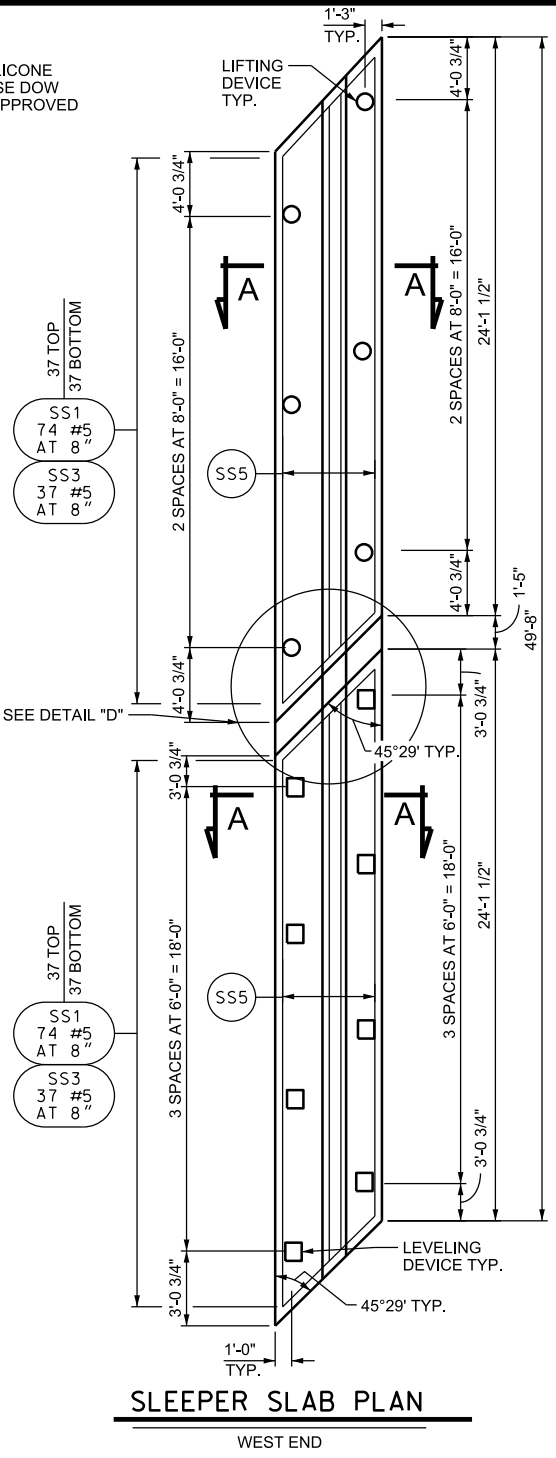
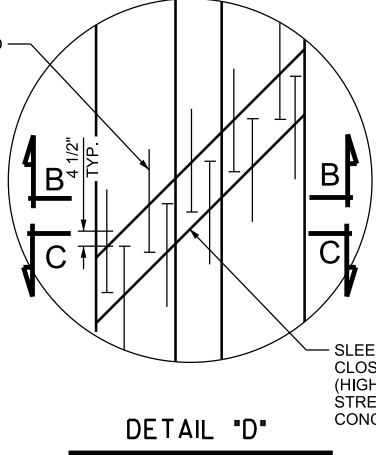


SLEEPER SLAB JOINT WIDTH (INCH)

TEMPERATURE (DEG F)	JOINT WIDTH "E"
90	7/8"
70	1 1/8"
50	1 3/8"



- NOTES:
- USE CLOSED CELL, RIGID PLASTIC FOAM. CUT RIGID PLASTIC FOAM TO CONFORM TO THE CROSS SECTION OF THE PANEL AND FURNISH IN STRIPS EQUAL TO THE FULL WIDTH OF THE APPROACH SLAB. MAKE THE TOP SURFACE SMOOTH. PROVIDE A SNUG FIT WITHOUT LOSS IN THICKNESS OF MATERIAL.
 - DO NOT INSTALL JOINT SEALANT ABOVE 90° F OR BELOW 50° F.
 - DEPTH TO BE DETERMINED BY CONTRACTOR BASED ON ACTUAL COMPRESSED BACKER ROD HEIGHT.
 - PLACE MINIMUM OF 6" SAND UNDER ALL APPROACH SLAB PANELS.



NOTE: LEVELING AND LIFTING DEVICES ARE TYPICAL AT EACH SLEEPER SLAB.

CLOSURE POUR HIGH EARLY STRENGTH CONCRETE QUANTITIES*

LOCATION	CU. YDS.
W.B.L. SLEEPER SLAB	0.9

* QUANTITIES ARE FOR INFORMATION ONLY

PRECAST LIGHT WEIGHT STRUCTURAL CONCRETE * QUANTITIES AA(AE)

LOCATION	WEST END CU. YDS.	EAST END CU. YDS.
W.B.L. SLEEPER SLAB	11.7	14.2

* QUANTITIES ARE FOR INFORMATION ONLY

DESIGN	DD	3/10
CHECK	DD	3/10
DRAWN	MPP	1/10
CHECK	DD	3/10
QUANT.	MPP	1/10
CHECK	DD	3/10

REVISION REMARKS

APPROVAL RECOMM. DATE 04/05/10
BY Robert D. Inash SENIOR DESIGN ENGR.
APPROVED FOR USE DATE 04/05/10
BY Lidot LIJOT BRIDGE ENGR.

UTAH DEPARTMENT OF TRANSPORTATION

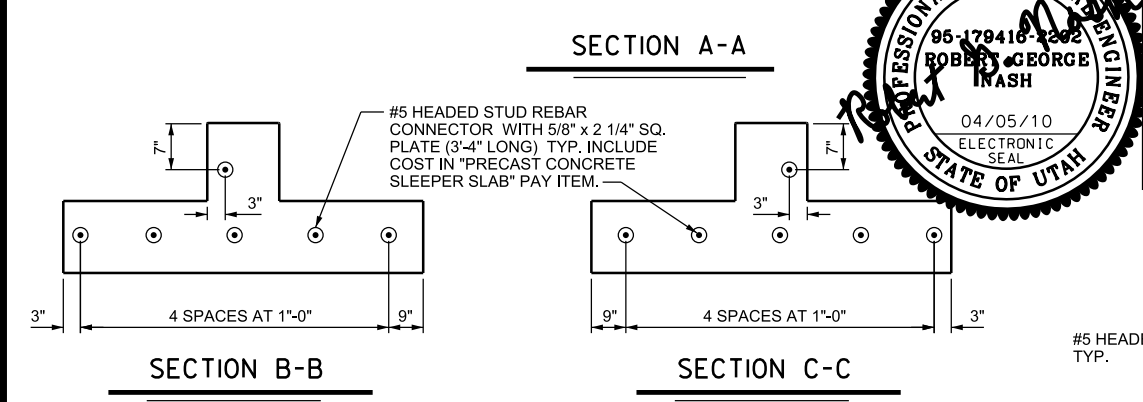
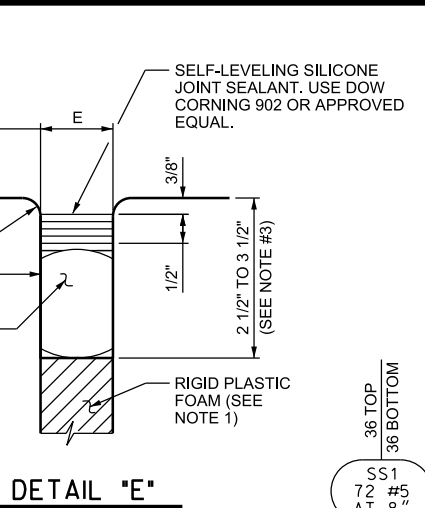
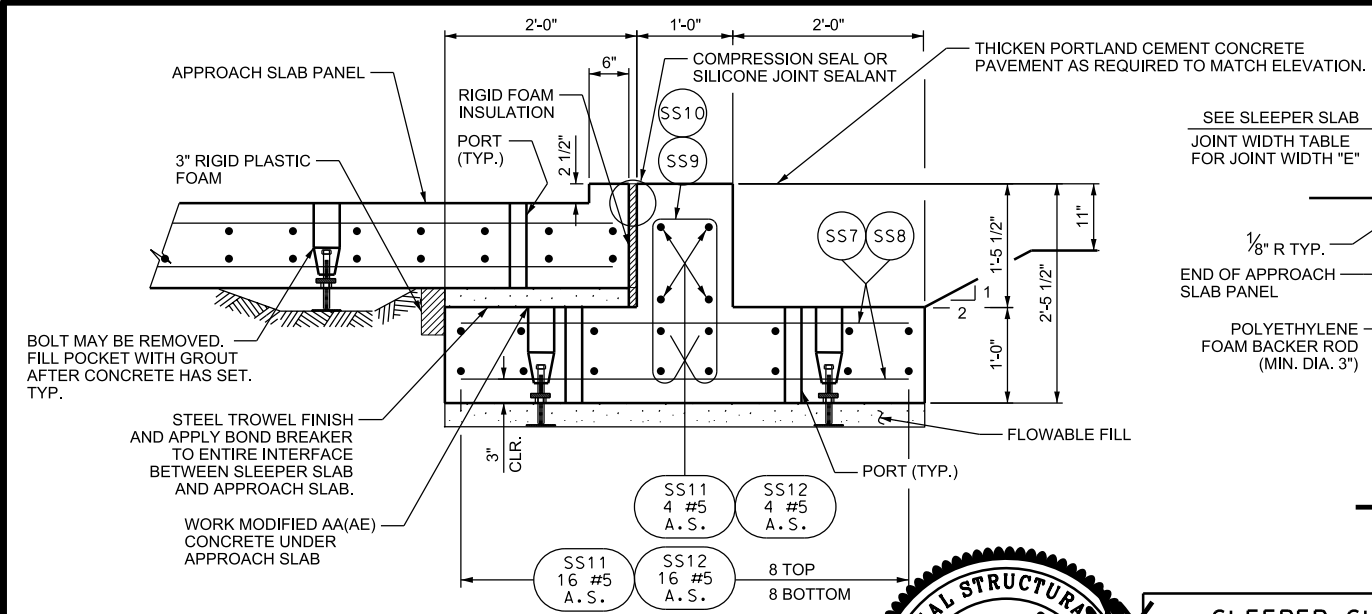
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
WBL SLEEPER SLAB DETAILS
PROJECT NUMBER F-184-6(97)108 PIN 6560

MORGAN COUNTY
F-114R
DRG. NO.

SHT. 45 OF 54

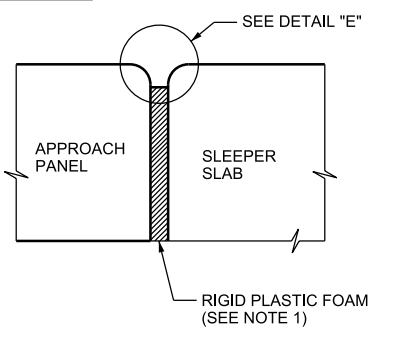
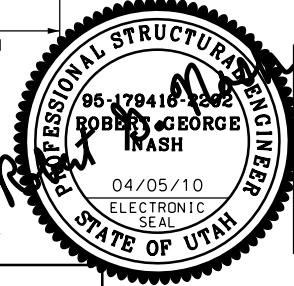
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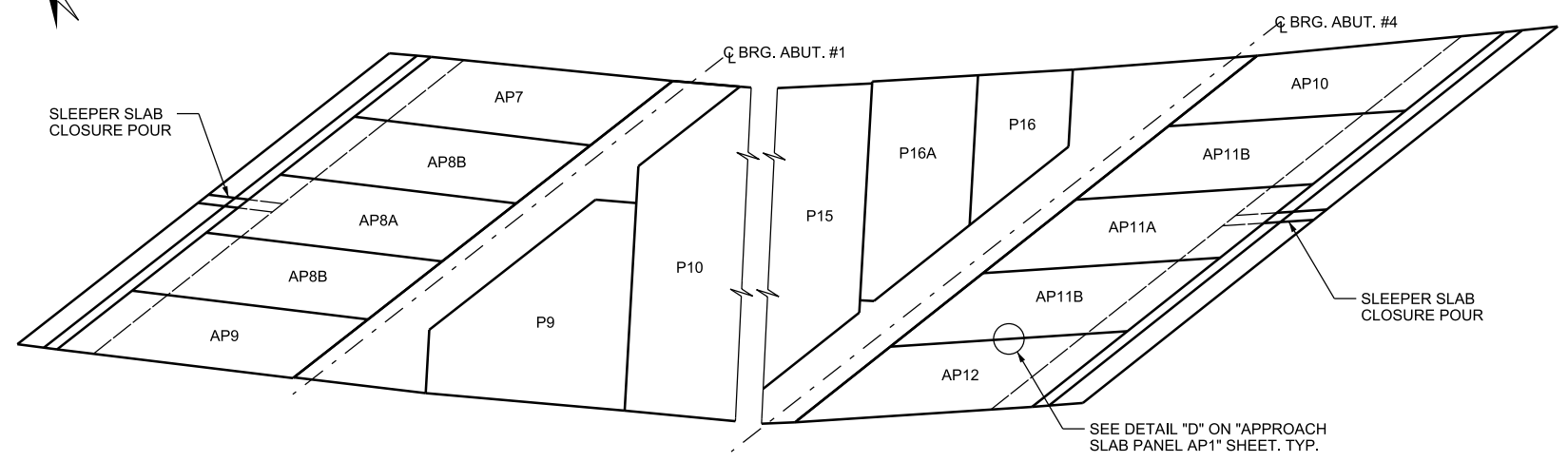
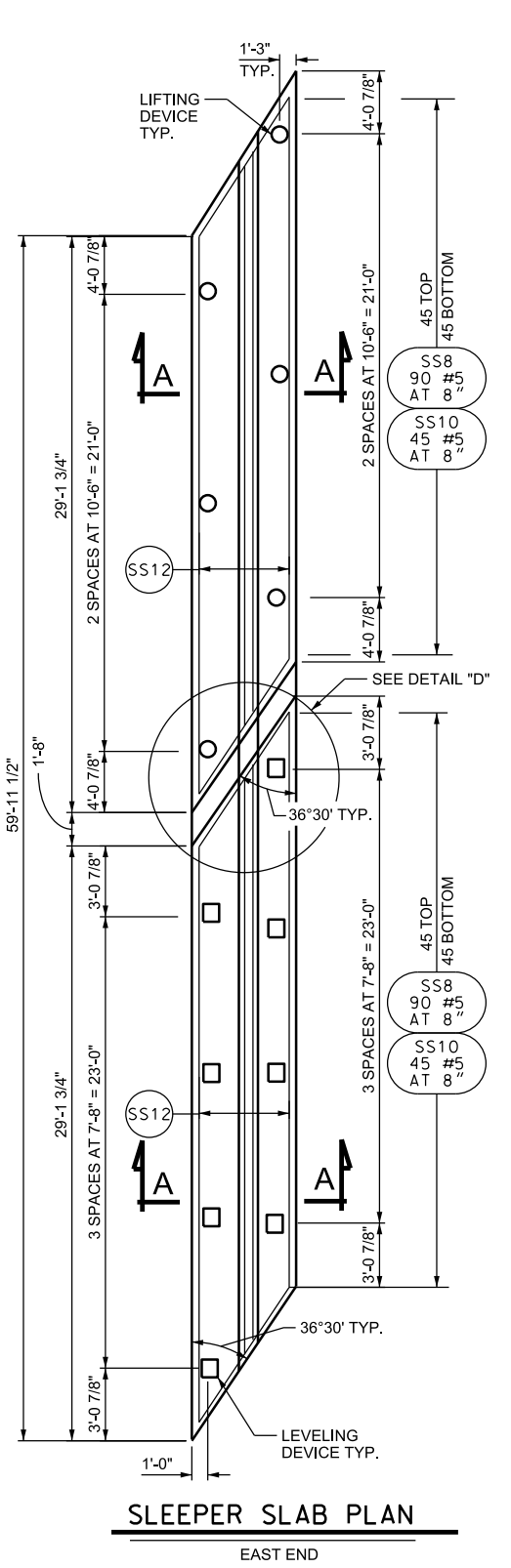
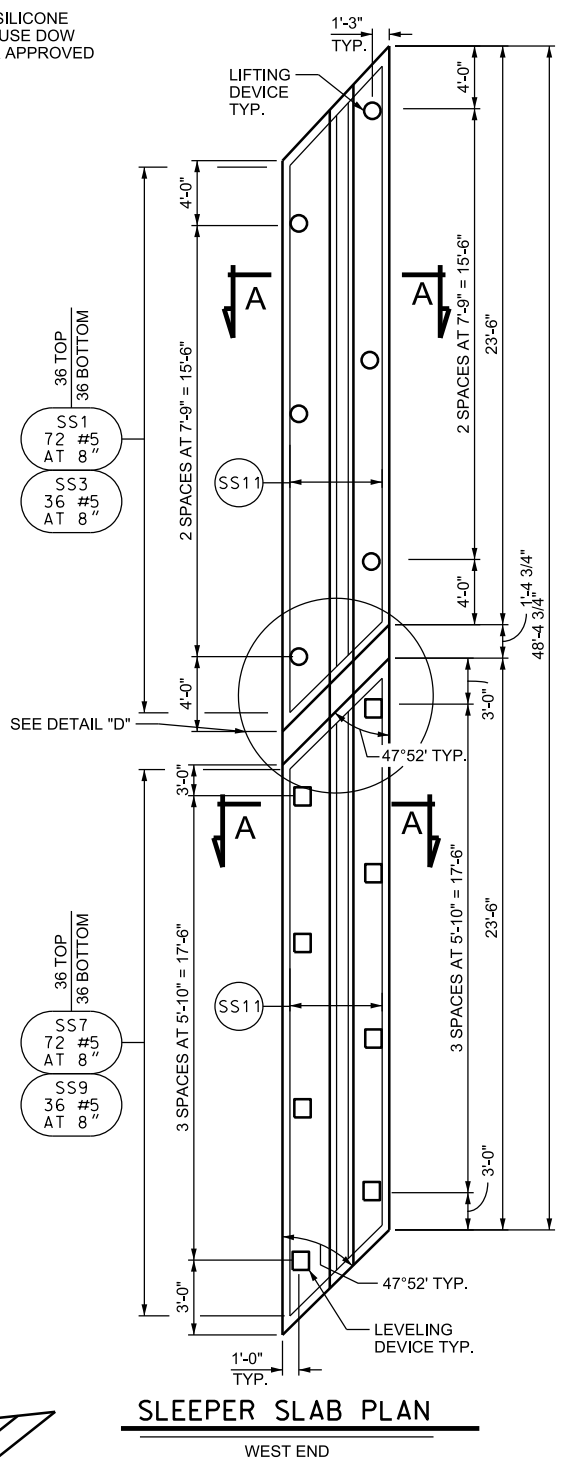
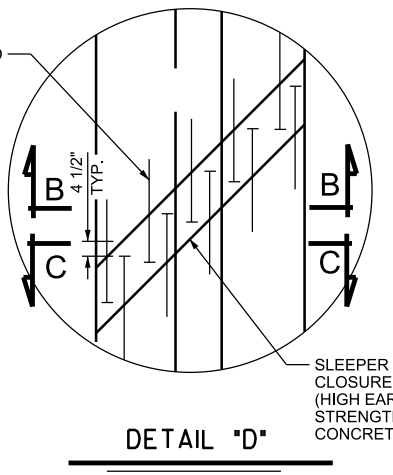


SLEEPER SLAB JOINT WIDTH (INCH)

TEMPERATURE (DEG F)	JOINT WIDTH "E"
90	7/8"
70	1 1/8"
50	1 3/8"



- NOTES:**
1. USE CLOSED CELL, RIGID PLASTIC FOAM. CUT RIGID PLASTIC FOAM TO CONFORM TO THE CROSS SECTION OF THE PANEL AND FURNISH IN STRIPS EQUAL TO THE FULL WIDTH OF THE APPROACH SLAB. MAKE THE TOP SURFACE SMOOTH. PROVIDE A SNUG FIT WITHOUT LOSS IN THICKNESS OF MATERIAL.
 2. DO NOT INSTALL JOINT SEALANT ABOVE 90° F OR BELOW 50° F.
 3. DEPTH TO BE DETERMINED BY CONTRACTOR BASED ON ACTUAL COMPRESSED BACKER ROD HEIGHT.
 4. PLACE MINIMUM OF 6" SAND UNDER ALL APPROACH SLAB PANELS.



CLOSURE POUR HIGH EARLY STRENGTH CONCRETE QUANTITIES *

LOCATION	CU. YDS.
E.B.L. SLEEPER SLAB	1.1

* QUANTITIES ARE FOR INFORMATION ONLY

PRECAST LIGHT WEIGHT STRUCTURAL CONCRETE * QUANTITIES AA(AE)

LOCATION	WEST END CU. YDS.	EAST END CU. YDS.
E.B.L. SLEEPER SLAB	11.4	14.2

* QUANTITIES ARE FOR INFORMATION ONLY

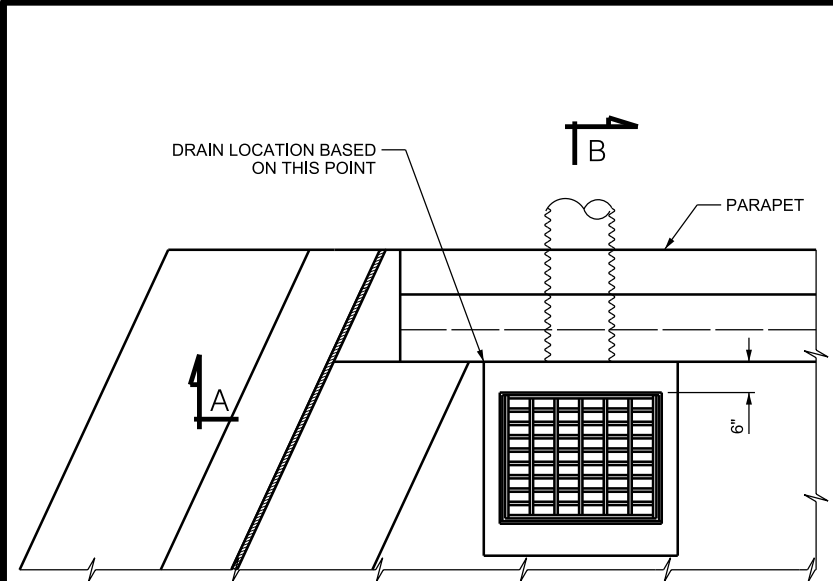
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			DESIGN	RGN	1/10
			DRAWN	MPP	1/10
			QUANT.	MPP	1/10
				DD	3/10

UTAH DEPARTMENT OF TRANSPORTATION

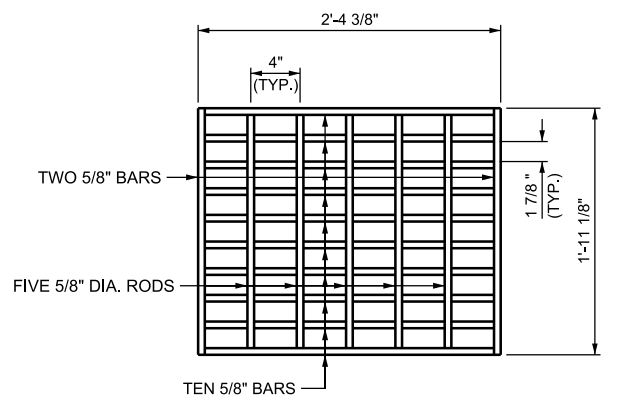
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
EBL SLEEPER SLAB DETAILS

PROJECT NUMBER: **6560**
PIN: **F-184-6(97)108**

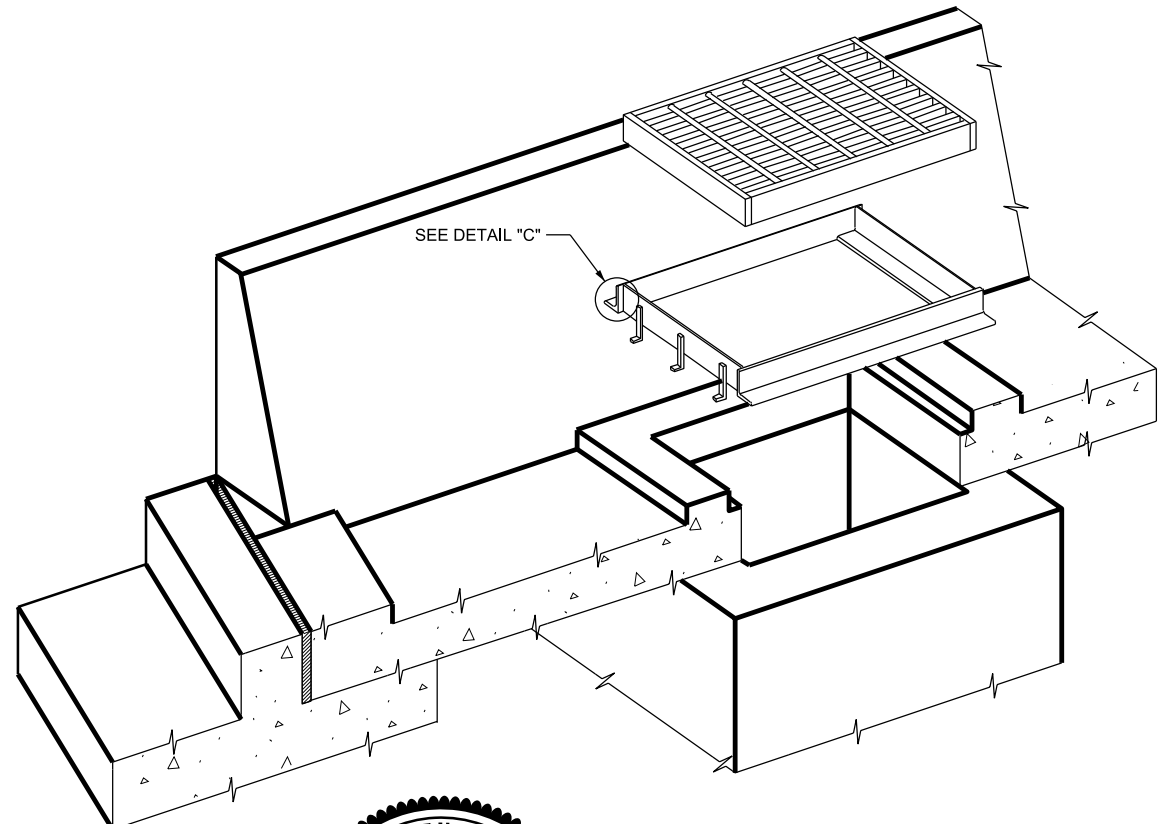
MORGAN COUNTY	DRG. NO. F-114R
SHT. 46 OF 54	



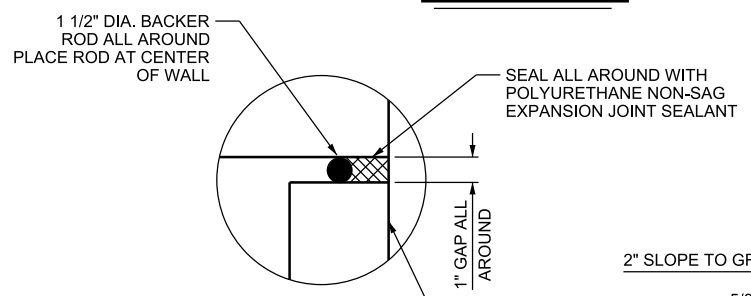
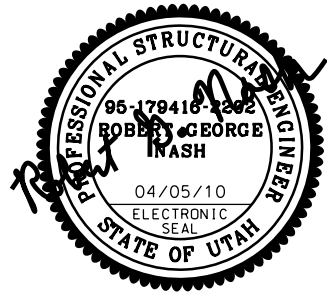
TYPICAL PLAN



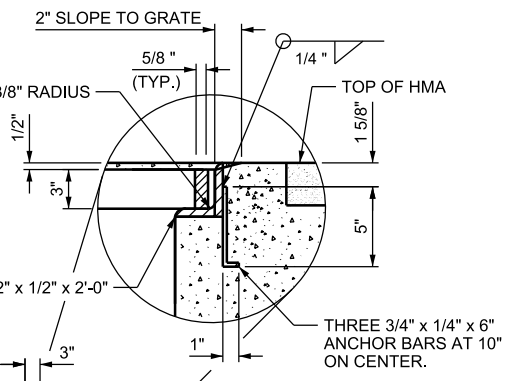
GRATE DETAIL



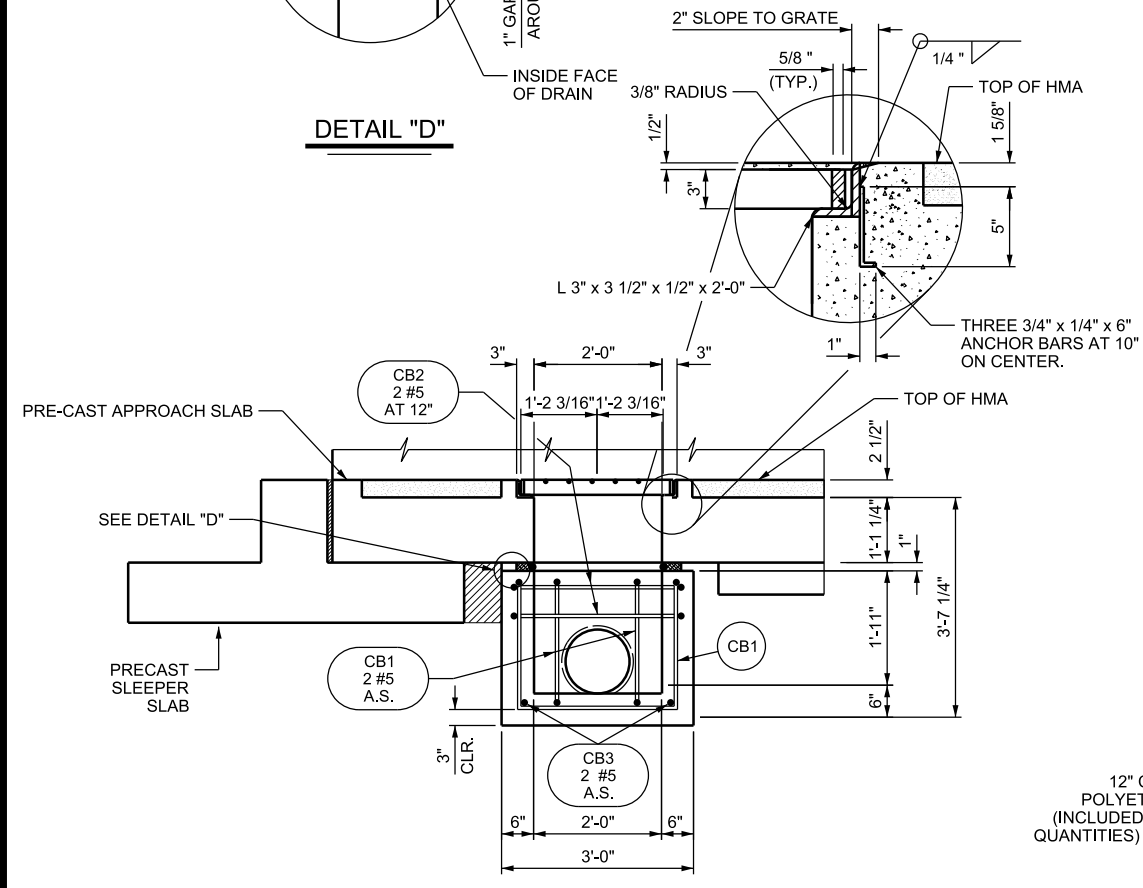
ISOMETRIC



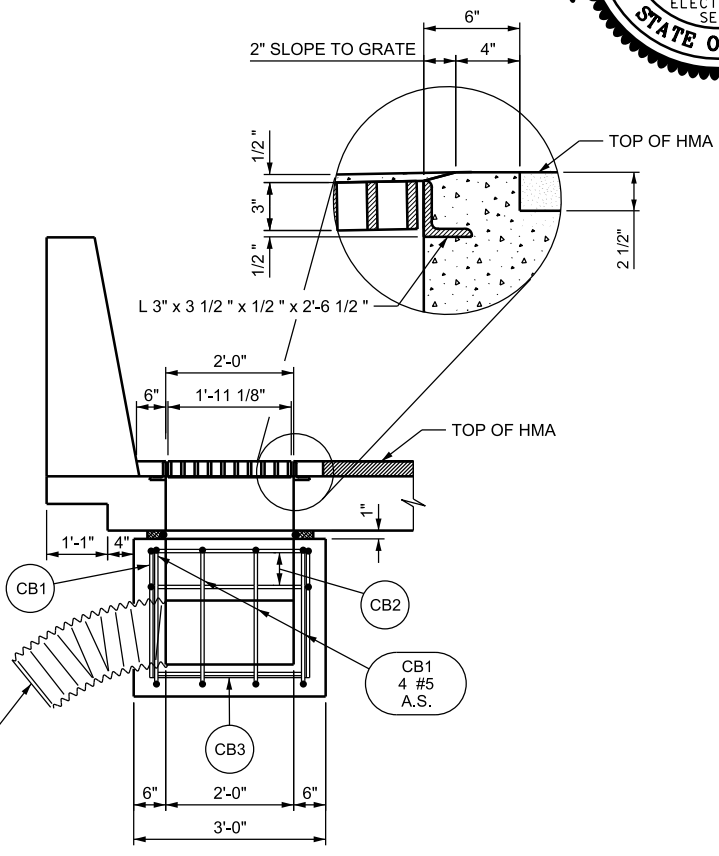
DETAIL "D"



DETAIL "C"



SECTION A-A



SECTION B-B

- NOTES:
1. SEE "APPROACH SLAB PANEL AP4" AND "APPROACH SLAB PANEL AP10 SHEETS FOR ACTUAL LOCATIONS OF DRAINS.
 2. TIE INTO EXISTING SLOPE DRAIN 12 INCH PIPE.

QUANTITIES

STRUCTURAL LIGHTWEIGHT CONCRETE QUANTITIES *
 2 CATCH BASINS AT 0.5 CU. YDS. = 1.0 CU. YDS.
 STRUCTURAL STEEL QUANTITY
 2 GRATES AND FRAMES AT 273 LBS. = 546 LBS.

* FOR INFORMATION ONLY.

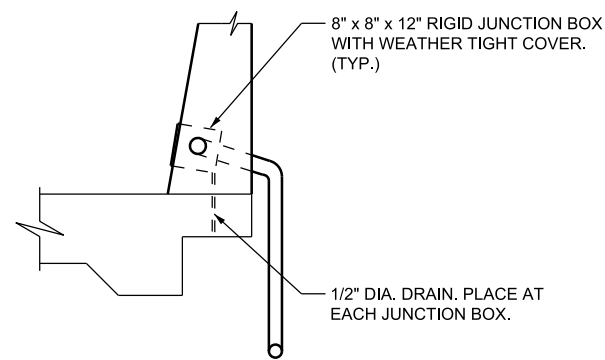
NO.	DATE	BY	REVISION REMARKS
APPROVAL	RECOMM.	04/05/10	DESIGN RGN 1/10 CHECK DD 3/10
FOR USE	DATE	04/05/10	DRAWN MPP 1/10 CHECK DD 3/10
BY UDOT	DATE	04/05/10	QUANT. MPP 1/10 CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

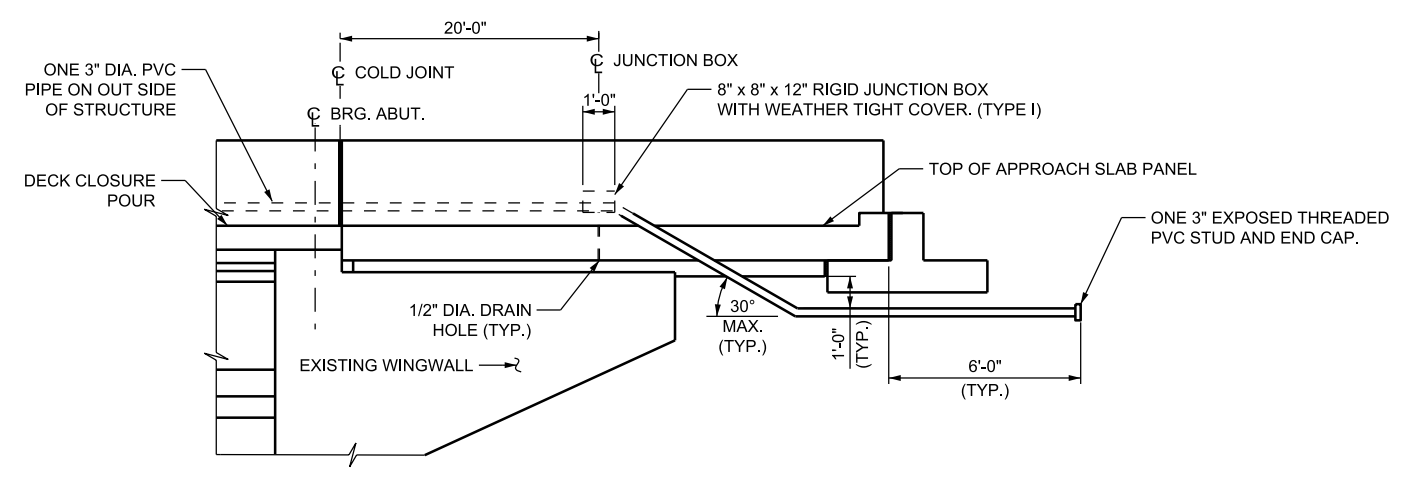
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
 I-84 OVER U.P.R.R.
 APPROACH SLAB DRAIN DETAILS
 PROJECT NUMBER F-184-6(97)108
 PIN 6560

MORGAN COUNTY
 F-114R
 DRG. NO.

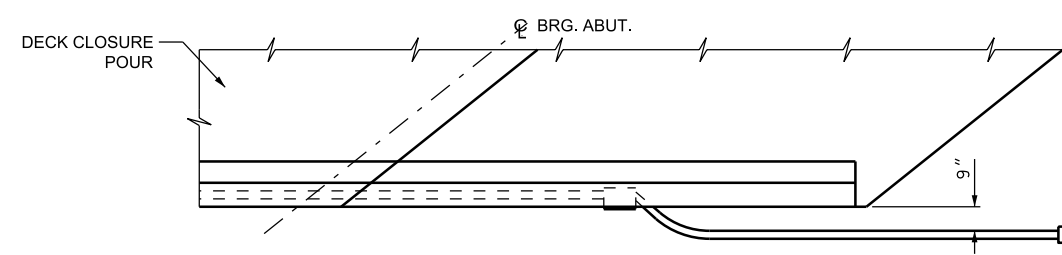
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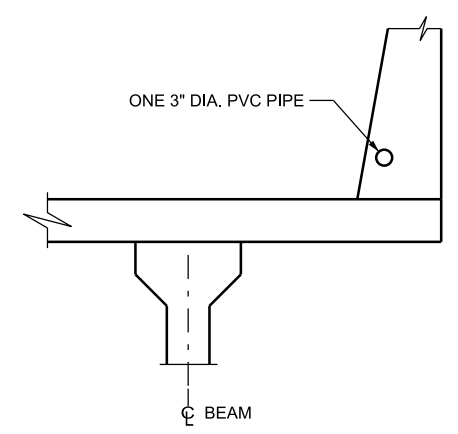
SECTION B-B



SECTION A-A



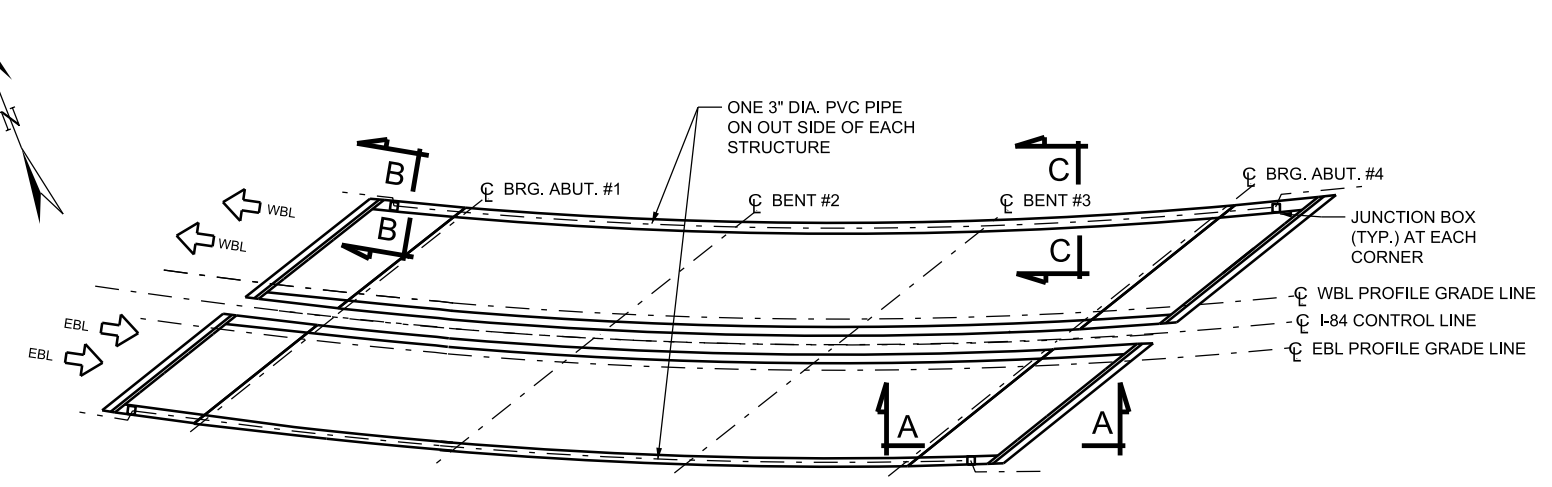
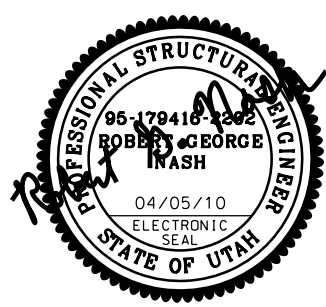
SECTION A-A PLAN



SECTION C-C

GENERAL NOTES

1. USE SCHEDULE 40 PVC PIPE.
2. TERMINATE PVE PIPE AT JUNCTION BOXES WITH DOUBLE LOCK NUTS.
3. ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE AND UNDERWRITERS LABORATORIES INC. STANDARDS WHERE APPLICABLE.



KEY PLAN

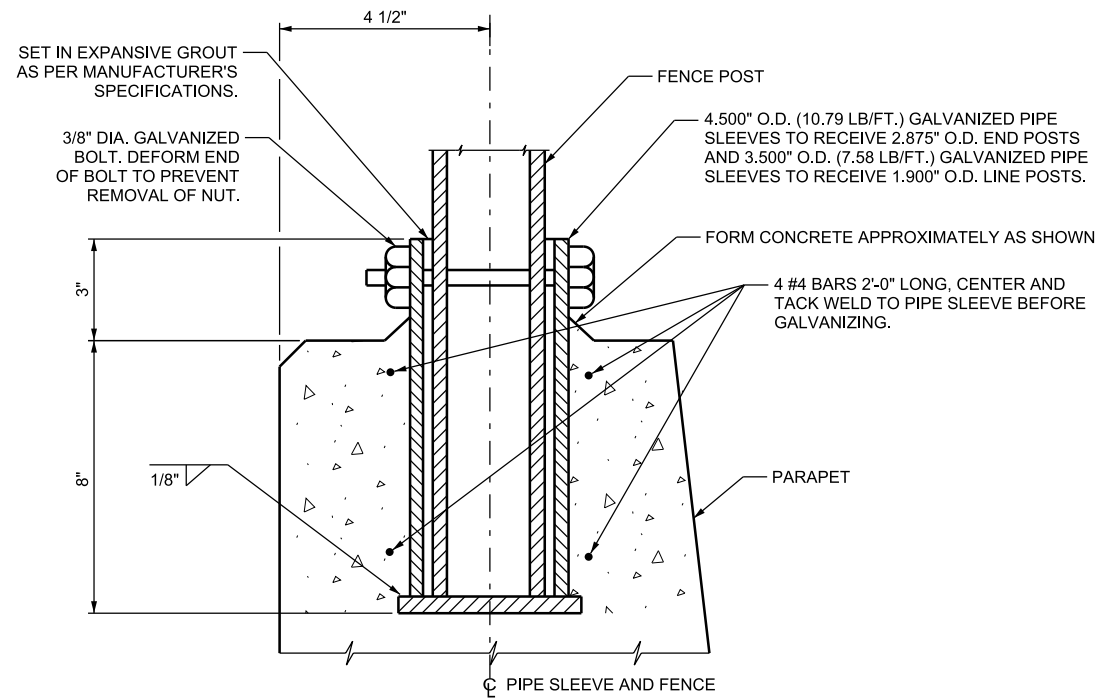
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1/10		RG	DD
3/10		MPP	DD
1/10		MPP	DD
3/10		MPP	DD

UTAH DEPARTMENT OF TRANSPORTATION

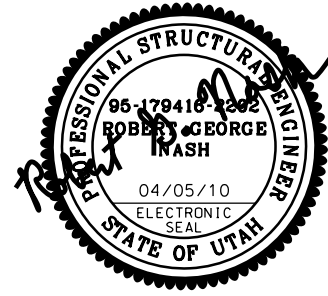
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
 I-84 OVER U.P.R.R.
 ELECTRICAL DETAILS
 PROJECT NUMBER: F-184-6(97)108
 PIN: 6560

MORGAN COUNTY
 F-114R
 DRG. NO.

05-APR-2010 DCA, F:\as\IP_PWP\asms1723\6560_F114-48_Electrical.dgn

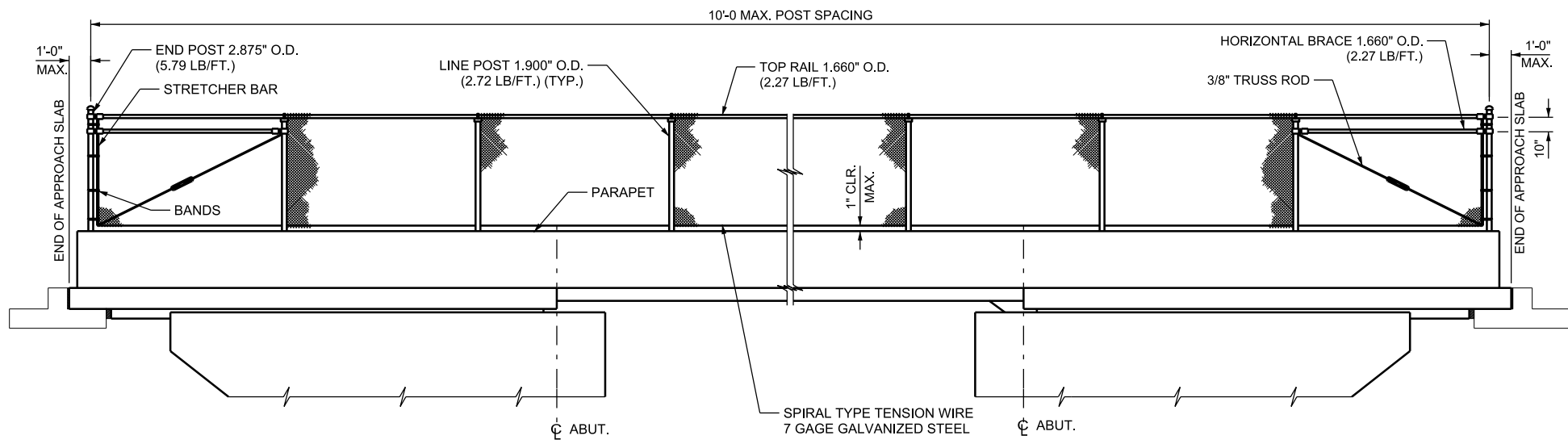


POST INSTALLATION DETAIL



NOTES:

1. FENCE FABRIC, 7'-0" HIGH, SHALL BE 9 GAGE WIRE KNUCKLED SELVAGE REQUIRED BOTTOM AND TWISTED AND BARBED SELVAGE REQUIRED TOP.
2. PLACE FENCE FABRIC ON ROAD SIDE OF POST.
3. FOR ADDITIONAL CONNECTION DETAILS SEE "STATE OF UTAH STANDARD SPECIFICATIONS" CURRENT EDITION, AND STANDARD DRAWING NO. FG-6.
4. USE STRUCTURAL TUBING (LOW CARBON STEEL) CONFORMING TO ASTM A53, GRADE B.
5. USE STRUCTURAL STEEL (FOR OTHER SHAPES AND PLATES) CONFORMING TO AASHTO M270, GRADE 36.
6. GALVANIZE (HOT DIP) AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111.



ELEVATION

REVISION REMARKS	
DESIGN	RGN 1/10
CHECK	DD 3/10
DRAWN	MPP 1/10
CHECK	DD 3/10
QUANT.	MPP 1/10
CHECK	DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
 I-84 OVER U.P.R.R.
 CHAIN LINK FENCE DETAILS
 PROJECT NUMBER: F-184-6(97)108
 PIN: 6560

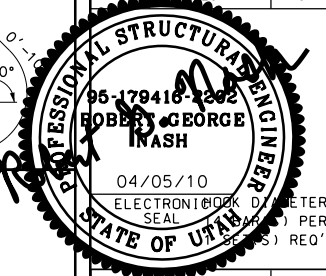
MORGAN COUNTY
 F-114R
 DRG. NO.

05-APR-2010 DCA, F:\as IP_PWP\asms1723\6560_F114-49_Fence.dgn

06-APR-2018 DCM, F:\as\IP_PWP\1723\6568-F114-5B_Ribbar-1.dgn

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH								
S1	DECK	5	4422	6'-6"	28,743'-0"									
S2	DECK	5	720	36'-2"	26,040'-0"									
S3	DECK	5	917	8'-5"	7,718'-1"									
S4	DECK	5	720	34'-10"	25,080'-0"									
S5	DECK	5	25	35'-9"	893'-9"									
S6	DECK	5	15	29'-3"	439'-4"									
S7	DECK	5	32	19'-0"	606'-8"	<table border="1"> <tr><td>A</td><td>B</td><td>C</td><td>D</td></tr> <tr><td>25'-3"</td><td>12'-8"</td><td>32</td><td>1</td></tr> </table>	A	B	C	D	25'-3"	12'-8"	32	1
A	B	C	D											
25'-3"	12'-8"	32	1											
S8	DECK	5	15	28'-8"	429'-5"	<table border="1"> <tr><td>A</td><td>B</td><td>C</td><td>D</td></tr> <tr><td>31'-8"</td><td>25'-7"</td><td>15</td><td>1</td></tr> </table>	A	B	C	D	31'-8"	25'-7"	15	1
A	B	C	D											
31'-8"	25'-7"	15	1											
S9	DECK	5	32	19'-7"	628'-0"									
S10	DECK	5	18	35'-6"	639'-0"									
S11	DECK	5	98	13'-8"	1,339'-4"									
S12	DECK	5	24	34'-8"	832'-0"									
S13	DECK	5	24	35'-10"	860'-0"									

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
S14	DECK	5	8	34'-0"	272'-0"	
S15	DECK	5	8	33'-4"	266'-8"	
S16	DECK	5	16	31'-2"	498'-8"	
S17	DECK	5	14	33'-2"	464'-4"	
S18	DECK	5	14	29'-5"	411'-3"	
S19	DECK	5	18	36'-4"	654'-0"	
S20	DECK	5	18	35'-0"	630'-0"	
S21	DECK	5	26	41'-1"	1,068'-2"	
S22	DECK	5	32	20'-3"	648'-0"	



MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
S23	DECK	5	32	19'-8"	629'-4"	
S24	DECK	5	27	38'-1"	1,028'-3"	
S25	DECK	5	32	21'-6"	688'-0"	
S26	DECK	5	32	20'-9"	664'-0"	
S27	DECK	5	56	13'-8"	765'-4"	
S28	DECK	5	36	15'-1"	543'-0"	
S29	DECK	5	18	31'-9"	572'-3"	
S30	DECK	5	18	31'-2"	560'-3"	
S31	DECK	5	14	36'-2"	506'-4"	
S32	DECK	5	14	34'-10"	487'-8"	
S33	DECK	5	60	13'-8"	820'-0"	

DESIGN	RGN	12/09	CHECK	DD	3/10
DRAWN	MPP	12/09	CHECK	DD	3/10
QUANT.	MPP	12/09	CHECK	DD	3/10

REVISION REMARKS

APPROVAL RECOMM. DATE: 04/05/10 BY: Robert D. Nash, SENIOR DESIGN ENGINEER

APPROVED FOR USE DATE: 04/05/10 BY: [Signature], LUDOT BRIDGE ENGR.

UTAH DEPARTMENT OF TRANSPORTATION

I-84, BRIDGE F-114, 0.8 MILES EAST OF TAGGART

I-84 OVER U.P.R.R.

REINFORCING STEEL SCHEDULE 1

PROJECT NUMBER: F-184-6(97)108 PIN: 6560

MORGAN COUNTY

F-114R DRG. NO.

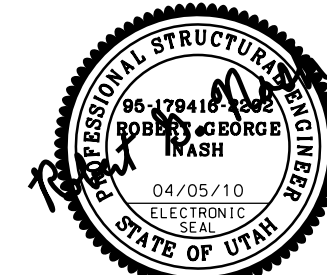
SHT. 50 OF 54

06-APR-2018 DCA, File: IP_PWP\forms\1723\6568_F114-51_Rebar-2.dwg

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
S34	DECK	5	18	38'-6"	693'-0"	
S35	DECK	5	3	34'-9"	104'-5"	
S36	DECK	5	3	34'-2"	102'-5"	
S37	DECK	5	29	36'-2"	1,048'-10"	
S38	DECK	5	29	34'-10"	1,010'-2"	
S39	DECK	5	11	33'-9"	371'-3"	
S40	DECK	5	33	28'-5"	937'-9"	
S41	DECK	5	33	27'-9"	915'-9"	
S42	DECK	5	64	13'-8"	874'-8"	
S43	DECK	5	10	12'-9"	127'-11"	

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
S44	DECK	5	12	11'-2"	133'-6"	
S45	DECK	5	16	28'-3"	452'-8"	
S46	DECK	5	16	27'-6"	440'-8"	
S47	DECK	5	44	17'-6"	768'-2"	
S48	DECK	5	16	19'-10"	318'-0"	
S49	DECK	5	16	19'-3"	307'-4"	
S50	DECK	6	384	6'-6"	2,496'-0"	
S51	DECK	7	64	37'-2"	2,378'-8"	
S52	DECK	7	64	34'-10"	2,229'-4"	
P1	PARAPET	4	936	4'-10"	4,524'-0"	
P2	PARAPET	4	936	4'-9"	4,446'-0"	

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
AS1	APPR. SLAB	5	52	10'-0"	520'-0"	
AS2	APPR. SLAB	5	52	10'-0"	520'-0"	
AS3	APPR. SLAB	5	12	24'-11"	298'-6"	
AS4	APPR. SLAB	9	11	24'-11"	273'-8"	
AS5	APPR. SLAB	5	52	8'-7"	448'-6"	
AS6	APPR. SLAB	7	281	6'-0"	1,686'-0"	
AS7	APPR. SLAB	5	228	9'-5"	2,147'-0"	
AS8	APPR. SLAB	5	48	24'-6"	1,176'-0"	
AS9	APPR. SLAB	9	47	24'-6"	1,151'-6"	
AS10	APPR. SLAB	5	51	10'-0"	510'-0"	
AS11	APPR. SLAB	5	51	10'-0"	510'-0"	
AS12	APPR. SLAB	5	51	7'-11"	403'-9"	
AS13	APPR. SLAB	5	12	24'-8"	295'-6"	
AS14	APPR. SLAB	9	10	24'-7"	246'-3"	



REVISION REMARKS	DESIGN RGN	CHECK DD	3/10
	DRAWN MPP	CHECK DD	3/10
	QUANT. MPP	CHECK DD	3/10
NO.	DATE	BY	
APPROVAL RECOMM. DATE	04/05/10	DATE	
APPROVED FOR USE DATE	04/05/10	DATE	
UTAH DEPARTMENT OF TRANSPORTATION I-84, BRIDGE F-114, 0.8 MILES EAST OF TAGGART I-84 OVER U.P.R.R. REINFORCING STEEL SCHEDULE 2 PROJECT NUMBER F-184-6(97)108 PIN 6560			
MORGAN COUNTY F-114R DRG. NO.			
SHT. 51 OF 54			

06-APR-2010 D:\A. Files\IP_R\Projects\1723\6568-F114-52-Rebar-3.dgn

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH							
AS15	APPR. SLAB	5	52	12'-3"	639'-2"	A	B	C	D	E	F	G	H
AS16	APPR. SLAB	5	52	12'-3"	639'-2"	11'-0"	12'-5"	0'-0"	0'-7"	180	0'-4"	52	1
AS17	APPR. SLAB	5	52	10'-7"	550'-4"								
AS18	APPR. SLAB	5	228	10'-8"	2,432'-0"								
AS19	APPR. SLAB	5	36	24'-5"	879'-0"								
AS20	APPR. SLAB	9	36	24'-5"	879'-0"								
AS21	APPR. SLAB	5	12	24'-5"	293'-0"								
AS22	APPR. SLAB	9	10	24'-5"	244'-2"								
AS23	APPR. SLAB	5	51	12'-7"	641'-9"	A	B	C	D	E	F	G	H
AS24	APPR. SLAB	5	51	12'-7"	641'-9"	11'-9"	0'-7"	0'-3"	0'-2"				
AS25	APPR. SLAB	5	51	10'-10"	552'-6"								
AS26	APPR. SLAB	5	12	24'-9"	297'-0"	A	B	C	D	E	F	G	H
AS27	APPR. SLAB	9	10	24'-9"	247'-6"	25'-0"	24'-6"	12	1				
AS28	APPR. SLAB	5	52	9'-6"	494'-0"	A	B	C	D	E	F	G	H
AS29	APPR. SLAB	5	52	9'-6"	494'-0"	9'-0"	8'-4"	0'-0"	0'-10"	180	0'-4"	52	1
AS30	APPR. SLAB	5	52	7'-9"	400'-10"								
AS31	APPR. SLAB	5	228	8'-4"	1,899'-11"								
AS32	APPR. SLAB	5	36	24'-6"	882'-0"								
AS33	APPR. SLAB	9	36	24'-6"	882'-0"								

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH							
AS34	APPR. SLAB	5	12	24'-6"	294'-0"								
AS35	APPR. SLAB	9	10	24'-6"	245'-0"								
AS36	APPR. SLAB	5	51	9'-9"	497'-3"	A	B	C	D	E	F	G	H
AS37	APPR. SLAB	5	51	9'-9"	497'-3"	8'-11"	0'-7"	0'-3"	0'-2"				
AS38	APPR. SLAB	5	51	7'-7"	386'-9"								
AS39	APPR. SLAB	5	12	25'-0"	299'-6"	A	B	C	D	E	F	G	H
AS40	APPR. SLAB	9	10	25'-0"	249'-7"	25'-6"	24'-5"	12	1				
AS41	APPR. SLAB	5	54	11'-9"	632'-3"	A	B	C	D	E	F	G	H
AS42	APPR. SLAB	5	54	11'-9"	632'-3"	10'-2"	11'-7"	0'-0"	0'-10"	180	0'-4"	54	1
AS43	APPR. SLAB	5	54	9'-7"	517'-6"								
AS44	APPR. SLAB	5	228	10'-6"	2,394'-0"								
AS45	APPR. SLAB	5	36	24'-5"	879'-0"								
AS46	APPR. SLAB	9	36	24'-5"	879'-0"								
AS47	APPR. SLAB	5	12	24'-5"	293'-0"								
AS48	APPR. SLAB	9	10	24'-5"	244'-2"								
AS49	APPR. SLAB	5	51	11'-9"	599'-3"	A	B	C	D	E	F	G	H
AS50	APPR. SLAB	5	51	11'-9"	599'-3"	10'-11"	0'-7"	0'-3"	0'-2"				
AS51	APPR. SLAB	5	51	10'-0"	510'-0"								
SS1	SLEEPER SLAB	5	148	6'-7"	974'-4"								
SS2	SLEEPER SLAB	5	188	8'-2"	1,535'-4"								
SS3	SLEEPER SLAB	5	74	6'-1"	450'-2"	A	B	C	D	E	F	G	H
SS4	SLEEPER SLAB	5	94	6'-4"	595'-4"	0'-11"	1'-9"	1'-9"	0'-10"	150	150	0'-4"	J
SS5	SLEEPER SLAB	5	40	23'-7"	943'-4"								

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH							
SS6	SLEEPER SLAB	5	40	30'-5"	1,216'-8"								
SS7	SLEEPER SLAB	5	144	6'-6"	936'-0"								
SS8	SLEEPER SLAB	5	180	7'-9"	1,395'-0"								
SS9	SLEEPER SLAB	5	72	6'-1"	438'-0"								
SS10	SLEEPER SLAB	5	90	6'-3"	562'-6"								
SS11	SLEEPER SLAB	5	40	23'-0"	920'-0"								
SS12	SLEEPER SLAB	5	40	28'-7"	1,143'-4"								
CB1	CATCH BASIN	5	12	6'-6"	78'-0"								
CB2	CATCH BASIN	5	4	11'-8"	46'-8"								
CB3	CATCH BASIN	5	4	2'-8"	10'-8"								

LENGTH (IN SCHEDULE) - EXTENSION
SEE NOTE #1

FLANGE COUPLER

SEE NOTE #2

SETTING BAR
(IN PRECAST CONCRETE DECK PANELS)

EXTENSION
SEE NOTE #1

SPLICE BAR
(IN CLOSURE JOINT)

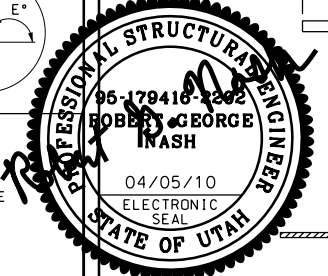
NOTES:

- IF CONTRACTOR ELECTS TO USE THREADED COUPLER OPTION THE OUT TO OUT REBAR LENGTH INCLUDING COUPLER WILL BE EQUAL TO THE REBAR LENGTH AS SHOWN IN THE SCHEDULE.
- THE COUPLER FLANGE ADJACENT TO THE DECK CONCRETE SURFACE SHOULD BE CLIPPED TO MINIMIZE ANY LOSS OF COVER.
- THREADED COUPLERS WILL CONFORM TO THE REQUIREMENTS SECTION 03211 PART 2.5A.
- THIS REINFORCING SCHEDULE IS FOR INFORMATION ONLY.
- INCLUDE COST OF REINFORCING STEEL IN THE PAY ITEM "PRECAST CONCRETE DECK PANEL", "PRECAST CONCRETE SLEEPER SLAB", OR "PRECAST APPROACH SLAB PANEL".

SUMMARY OF COATED BARS (PRECAST)

8,970'-1 OF NUMBER	4 BARS AT	0.668 LBS/FT	5,992.0 LBS
153,874'-8 OF NUMBER	5 BARS AT	1.043 LBS/FT	160,491.3 LBS
2496'-0 OF NUMBER	6 BARS AT	1.502 LBS/FT	3,749.0 LBS
6294'-0 OF NUMBER	7 BARS AT	2.044 LBS/FT	12,864.9 LBS
5,541'-10 OF NUMBER	9 BARS AT	3.400 LBS/FT	18,842.2 LBS
TOTAL			201,939.4 LBS

NOTES:
ALL BARS ARE COATED
BAR SIZES ARE U.S. UNITS.
REINFORCING STEEL DIMENSIONS ARE OUT TO OUT OF BAR UNLESS OTHERWISE SPECIFIED.
SPICES MAY BE OMITTED AT FABRICATORS OPTION...HOWEVER, IN SUCH CASE, FABRICATOR ASSUMES RESPONSIBILITY FOR FIT.



NO.	DATE	BY	REVISION	CHECK	DD	3/10
			DESIGN	1/10		
			DRAWN	1/10		
			QUANT.	1/10		

APPROVAL
RECOMM. 04/05/10
DATE

FOR USE
04/05/10
DATE

BY
UDOT BRIDGE ENGR.

UTAH DEPARTMENT OF TRANSPORTATION

I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
REINFORCING STEEL SCHEDULE 3

PROJECT NUMBER: F-184-6(97)108
PIN: 6560

MORGAN COUNTY

F-114R

DRG. NO.

05-APR-2010 DCA, File: IP, P:\Projects\1723\6568-F114-53_Rebar-4.dgn

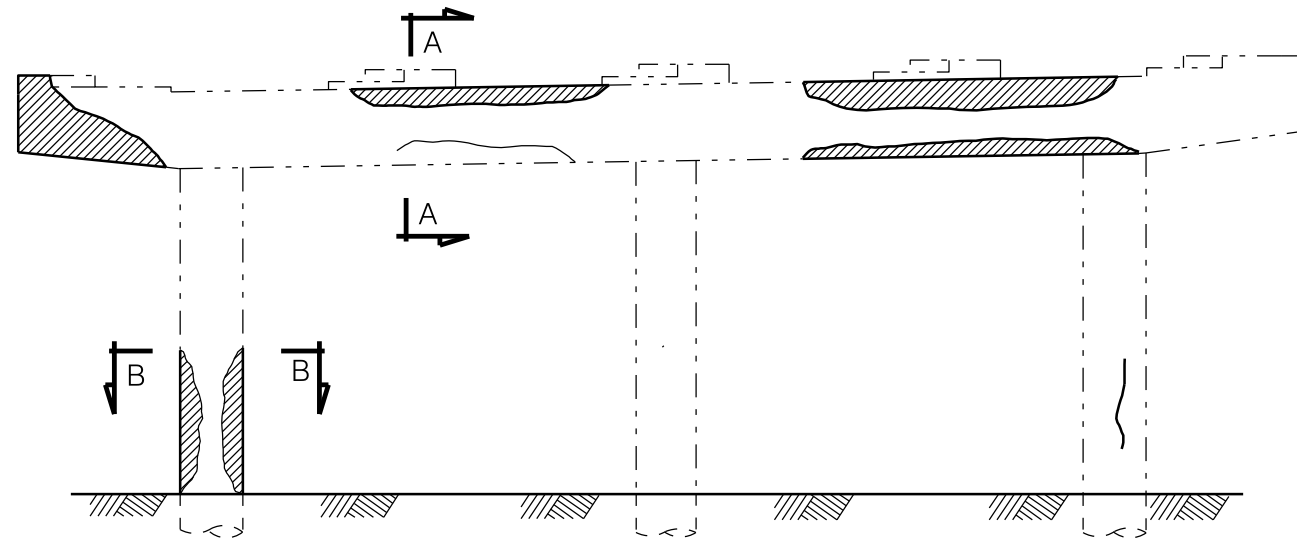
MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH		
						A	B	C
CP1	CLOSURE POUR	5	31	6'-3	193'-9	5'-3	1'-0	
CP2	CLOSURE POUR	5	32	7'-4	234'-8	6'-4	1'-0	
CP3	CLOSURE POUR	5	3	52'-9	158'-3	50'-2	2'-7	1
CP4	CLOSURE POUR	5	20	53'-11	1,078'-4	50'-2	3'-9	1
CP5	CLOSURE POUR	5	20	65'-3	1,305'-0	61'-6	3'-9	1
CP6	CLOSURE POUR	5	3	64'-1	192'-3	61'-6	2'-7	1
CP7	CLOSURE POUR	5	31	6'-2	191'-2			
CP8	CLOSURE POUR	5	20	52'-5	1,048'-4	48'-8	3'-9	1
CP9	CLOSURE POUR	5	3	51'-3	153'-9	48'-8	2'-7	1
CP10	CLOSURE POUR	5	25	6'-11	172'-11			
CP11	CLOSURE POUR	5	20	61'-7	1,231'-8	57'-10	3'-9	1
CP12	CLOSURE POUR	5	3	60'-5	181'-3	57'-10	2'-7	1
CP13	CLOSURE POUR	5	23	8'-0	185'-0			
CP14	CLOSURE POUR	5	23	7'-5	169'-7			
CP15	CLOSURE POUR	5	32	8'-9	281'-4			

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH		
						A	B	C
CP16	CLOSURE POUR	5	32	8'-1	260'-0			
CP17	CLOSURE POUR	5	25	8'-9	218'-9			
CP18	CLOSURE POUR	5	25	8'-1	202'-1			
CP19	CLOSURE POUR	5	36	9'-11	357'-0			
CP20	CLOSURE POUR	5	36	9'-3	333'-0			
P3	PARAPET	4	107	4'-10	517'-2			
P4	PARAPET	4	107	4'-9	508'-3			
P5	PARAPET	4	40	27'-10	1,113'-4	25'-0	2'-10	1
P6	PARAPET	4	10	254'-8	2,546'-8	240'-6	2'-10	5
P7	PARAPET	4	10	246'-0	2,460'-0	231'-10	2'-10	5
P8	PARAPET	4	40	27'-9	1,110'-0	24'-11	2'-10	1
P9	PARAPET	4	10	244'-4	2,443'-4	230'-2	2'-10	5
P10	PARAPET	4	10	237'-4	2,373'-4	223'-2	2'-10	5
S3	DECK	5	83	8'-5	698'-7			

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH														
						A	B	C												
<p>NOTES:</p> <p>1. THIS REINFORCING SCHEDULE IS FOR INFORMATION ONLY.</p> <p>2. INCLUDE COST OF REINFORCING STEEL IN THE PAY ITEM "PRECAST CONCRETE DECK PANEL", "PRECAST CONCRETE SLEEPER SLAB", OR "PRECAST APPROACH SLAB PANEL".</p>																				
<p>SUMMARY OF COATED BARS</p> <table border="0"> <tr> <td>13,072'-1 OF NUMBER</td> <td>4 BARS AT</td> <td>0.668 LBS/FT •</td> <td>8,732.2 LBS</td> </tr> <tr> <td>8,846'-8 OF NUMBER</td> <td>5 BARS AT</td> <td>1.043 LBS/FT •</td> <td>9,227.1 LBS</td> </tr> <tr> <td colspan="2"></td> <td>TOTAL</td> <td>17,959.2 LBS</td> </tr> </table>									13,072'-1 OF NUMBER	4 BARS AT	0.668 LBS/FT •	8,732.2 LBS	8,846'-8 OF NUMBER	5 BARS AT	1.043 LBS/FT •	9,227.1 LBS			TOTAL	17,959.2 LBS
13,072'-1 OF NUMBER	4 BARS AT	0.668 LBS/FT •	8,732.2 LBS																	
8,846'-8 OF NUMBER	5 BARS AT	1.043 LBS/FT •	9,227.1 LBS																	
		TOTAL	17,959.2 LBS																	
<p>NOTES:</p> <p>ALL BARS ARE COATED</p> <p>BAR SIZES ARE U.S. UNITS.</p> <p>REINFORCING STEEL DIMENSIONS ARE OUT TO OUT OF BAR UNLESS OTHERWISE SPECIFIED.</p> <p>SPLICES MAY BE OMITTED AT FABRICATORS OPTION...HOWEVER, IN SUCH CASE, FABRICATOR ASSUMES RESPONSIBILITY FOR FIT.</p>																				

UTAH DEPARTMENT OF TRANSPORTATION		I-84, BRIDGE F-114, 0.8 MILES EAST OF TAGGART		I-84 OVER U.P.R.R.	
CAST-IN-PLACE REINFORCING STEEL SCHEDULE 4		PROJECT NUMBER F-184-6(97)108		PIN 6560	
MORGAN COUNTY		F-114R		DRG. NO.	
REVISION REMARKS		DESIGN RGN	1/10	CHECK DD	3/10
		DRAWN MPP	1/10	CHECK DD	3/10
		QUANT. MPP	1/10	CHECK DD	3/10
		DATE	04/05/10	DATE	04/05/10
		BY	Robert D. Inash	LUDOT BRIDGE ENGR.	

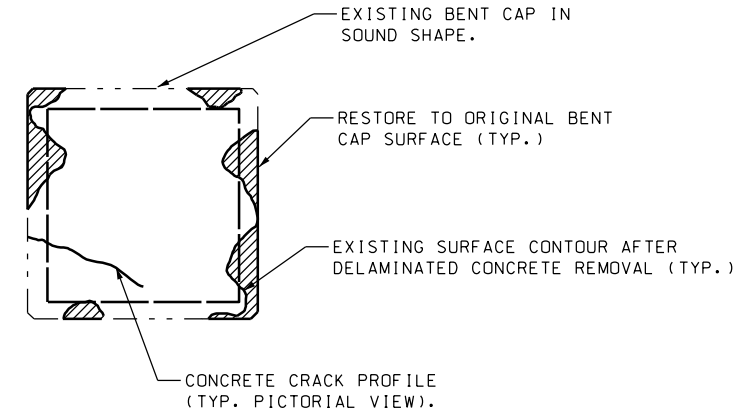
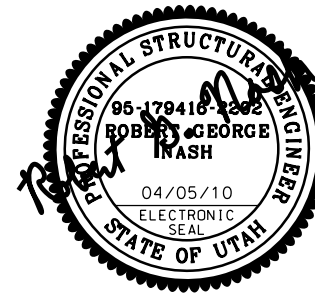
06-APR-2010 DCA, F:\as\IP_PWP\Items\1723\6568-F114-54-BentRepair.dgn



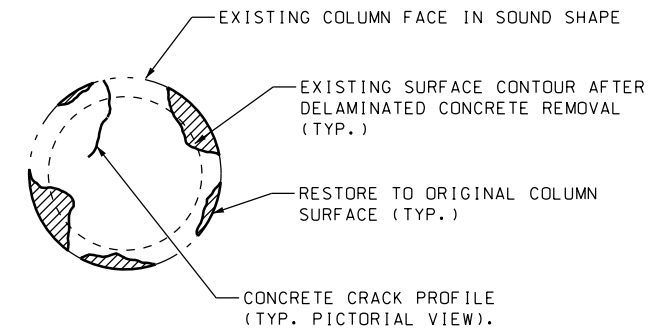
TYPICAL BENT ELEVATION VIEW

NOTES:

1. THE CONTRACTOR WILL SOUND EACH ITEM IN THE PRESENCE OF THE RESIDENT ENGINEER AND MARK THE APPROXIMATE LIMITS OF WORK.
2. EXPECT UP TO 25% OF THE TOTAL EXPOSED COLUMN SURFACE FOR EACH COLUMN REPAIR.
3. EXPECT UP TO 50% OF THE TOTAL EXPOSED BENT CAP SURFACE FOR EACH BENT CAP REPAIR.
4. SEE SPECIFICATION SECTION 03924 FOR THE REQUIRED REPAIRS.
5. SEE F-114 "FOR INFORMATION ONLY" SHEETS FOR LOCATIONS OF ALL COLUMN, PEDESTAL, BENT CAP, WINGWALL, AND BEAM END REPAIRS.



SECTION A-A
TYPICAL BENT CAP REPAIR DETAIL



SECTION B-B
TYPICAL COLUMN REPAIR DETAIL

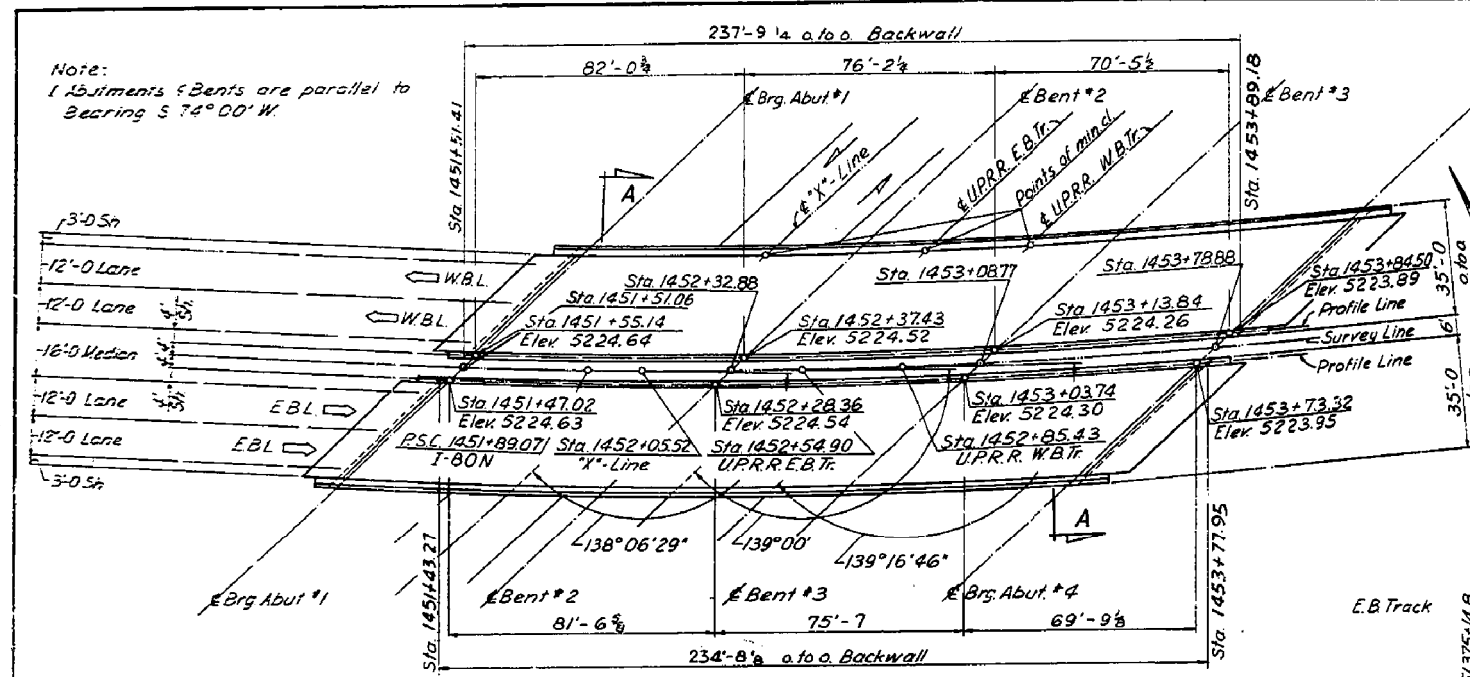
NO.	DATE	BY	REVISION REMARKS
APPROVAL RECOMM.	04/05/10	DATE	DESIGN RGN 1/10 CHECK DD 3/10
APPROVED FOR USE	04/05/10	DATE	DRAWN MPP 1/10 CHECK DD 3/10
BY UDOT			QUANT. MPP 1/10 CHECK DD 3/10

UTAH DEPARTMENT OF TRANSPORTATION

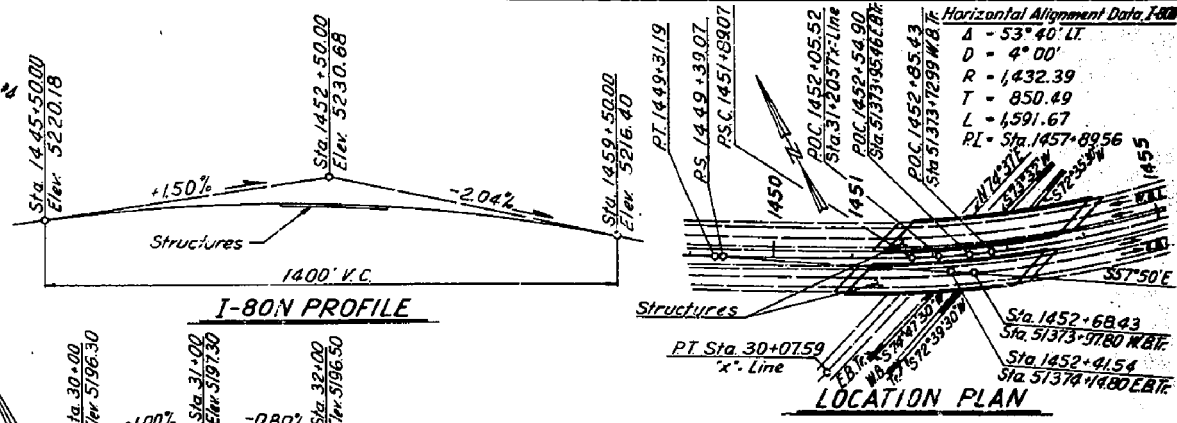
I-84; BRIDGE F-114, 0.8 MILES EAST OF TAGGART
I-84 OVER U.P.R.R.
BENT REPAIR DETAILS
PROJECT NUMBER F-184-6(97)108
PIN 6560

MORGAN COUNTY
F-114R
DRG. NO.
SHT. 54 OF 54

Note: Abutments & Bents are parallel to Bearing S 74° 00' W.



PLAN



LOCATION PLAN

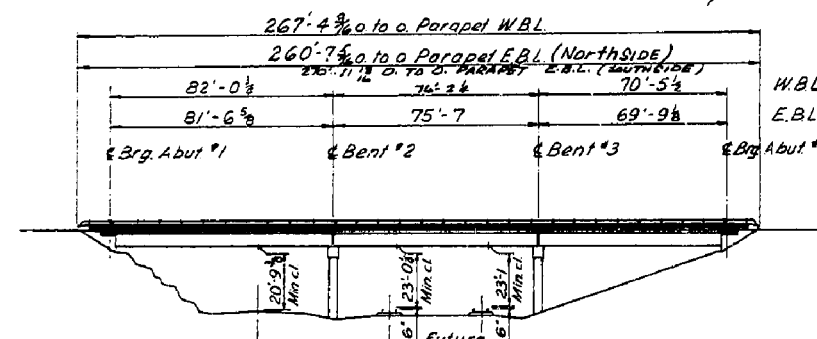
- GENERAL NOTES: 1. Materials, construction and workmanship shall be in accordance with the State of Utah Standard Specifications For Road and Bridge Construction, 1960 Edition, and Supplements thereto which are in effect at the date of request for bids.

DESIGN DATA

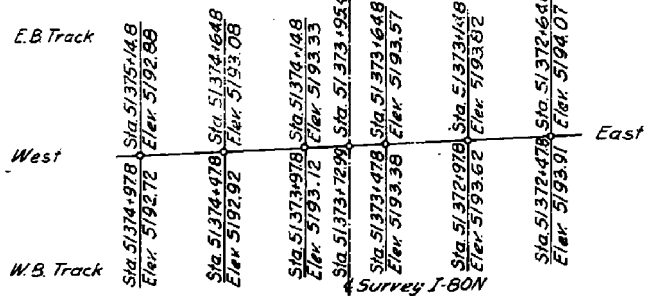
H520-44 or Interstate Alternate Loading in accordance with A.A.S.H.O. Specifications of 1961 and interim Specifications. Cast-in-place Concrete: f'c=3,000 p.s.i., fs(Reinf.)=20,000 p.s.i., fc(2000 psi), n=10.

QUANTITIES

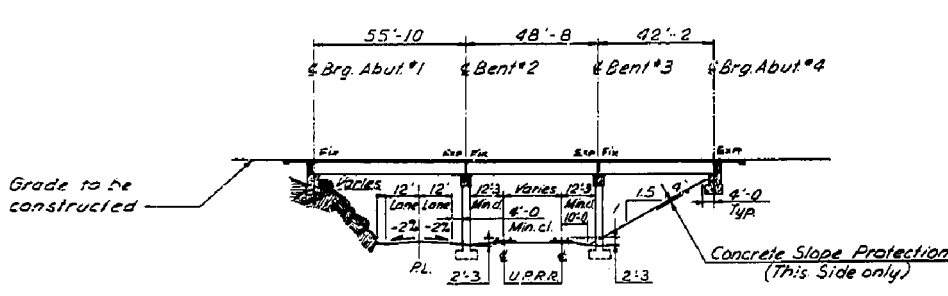
Table with 4 columns: ITEM, ESTIMATED QUANTITY, UNIT, and AS CONST. Lists items like Excavation for Structures, Class A Concrete, Reinforcing Steel, etc.



ELEVATION



SECTION A-A



SECTION NORMAL TO BENTS

Precast, Prestressed Concrete Beams: Type II (Typ) Reinforced Concrete Substructure

INDEX OF SHEETS

- 1- SITUATION & LAYOUT 2- SOIL DATA 3- FOUNDATION PLAN 4- BENT FOUNDATION DETAILS 5- ABUTMENT 1 E.B. DETAILS

SUPERELEVATION table with columns for Station, E.B. Lane, W.B. Lane, Normal Crown, and Normal Cross.

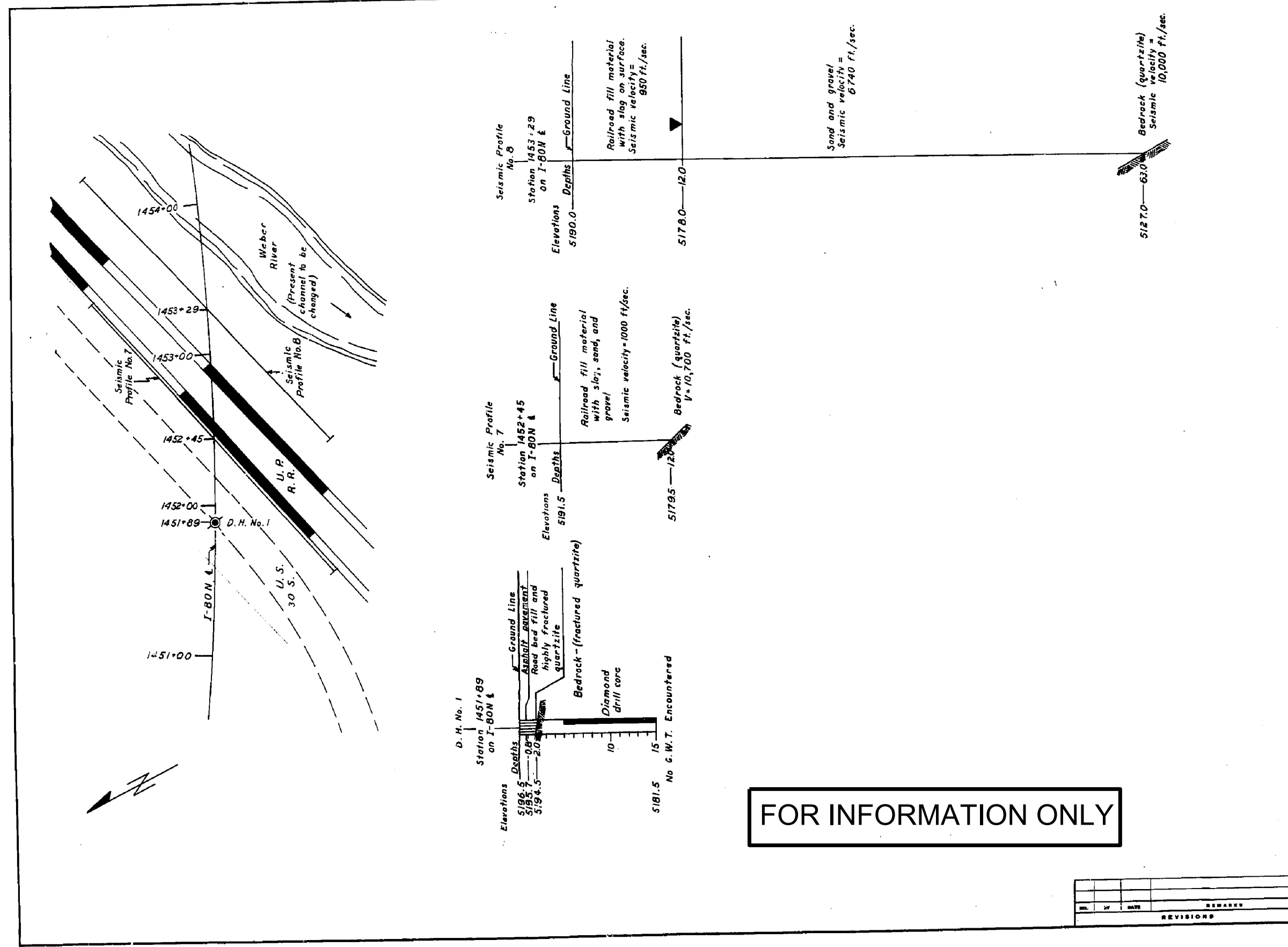
UTAH STATE DEPARTMENT OF HIGHWAYS STRUCTURES DIVISION

ROUND VALLEY TO DEVILS SIDE I-BON OVER X-LINE UPRR SITUATION & LAYOUT

Approval and revision stamps from the Utah State Department of Highways, including names and dates.

FOR INFORMATION ONLY EXCEPT TO INDICATE LOCATION OF REQUIRED WORK

FINAL 6-12-67 JES



KEY TO DRILLING LOGS
RELATIVE DENSITY (SAND & SILT)
 VERY LOOSE - LESS THAN 4 BLOWS PER FOOT.
 LOOSE - 4 TO 10 BLOWS PER FOOT.
 MEDIUM - 10 TO 30 BLOWS PER FOOT.
 DENSE - 30 TO 50 BLOWS PER FOOT.
 VERY DENSE - MORE THAN 50 BLOWS PER FOOT.

CONSISTENCY (CLAY)
 VERY SOFT - LESS THAN 2 BLOWS PER FOOT.
 SOFT - 2 TO 4 BLOWS PER FOOT.
 MEDIUM - 4 TO 8 BLOWS PER FOOT.
 STIFF - 8 TO 15 BLOW PER FOOT.
 VERY STIFF - 15 TO 30 BLOWS PER FOOT.
 HARD - MORE THAN 30 BLOWS PER FOOT.

TOPSOIL OR FILL	ARGILL	SANDY CLAY
GRAVEL	LIMESTONE	CLAYEY SAND
SAND	CONGLOMERATE	SILTY CLAY
SILT	DOLOMITE	CLAYEY SILT
CLAY	QUARTZITE	SILTY SAND
SHALE		SANDY SILT

DRILL HOLE NO. 1
 STATION 1451+89 OR LT OR RT IN FT. OFFSET

ELEVATIONS	DEPTH	OR EL. 4500 FT.
GROUND ELEVATION		
4335	5'	EXAMPLE TYPICAL STIFF MEDIUM PLASTIC BRN. CLAY, SOME SILT A-6 (6), W-8 (8) L.L. - P.I. - W. 17, 8-2, 8-11.1
GROUND WATER TABLE	4852	DATE
STRATA CHANGE	15' 4546	3- THIN WALL SWELLY TUBE UNDISTURBED SAMPLER USED.
LOCATION OF SAMPLE	20' 4546	4- SPLIT BARREL UNDISTURBED SAMPLER WITH LAMER RINGS OR CALIFORNIA TYPE SAMPLER
SAMPLE NOT RECOVERED	25' 4531	REASON NOT RECOVERED
BOTTOM OF HOLE	30' 4531	CLASSIFICATION OF EACH SAMPLE AND RESULTS OF CLASSIFICATION TESTS.

NO. OF BLOWS OF A 140 LB. HAMMER FALLING 30 INCHES REQUIRED TO DRIVE A 2" O.D. x 24" L. x 2" O.D. SAMPLE TUBE 1 FT.

ABBREVIATIONS
 L.L. - LIQUID LIMIT IN %
 P.I. - PLASTIC INDEX
 W. - NATURAL MOISTURE CONTENT IN %
 W.E. - WELL GRADED
 P.E. - PENETRATION
 G.W.T. - GROUND WATER TABLE
 B.P.F. - BLOWS PER FOOT.
 N.P. - NON-PLASTIC
 D.N. - DRILL HOLE

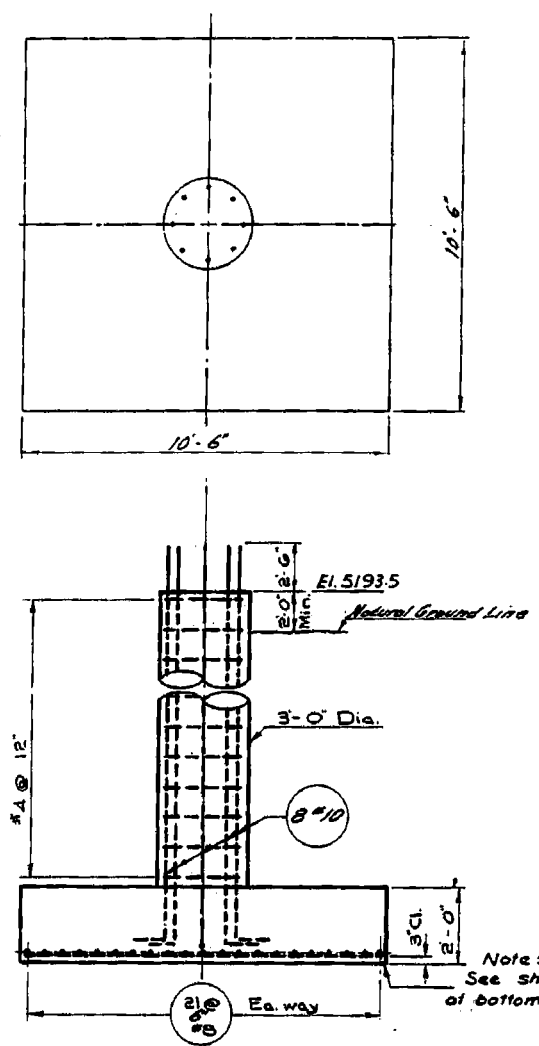
UTAH STATE DEPARTMENT OF HIGHWAYS
 SALT LAKE CITY, UTAH
MATERIALS AND RESEARCH DIVISION
 ROUND VALLEY TO DEVILS SLIDE
 I-80N OVER RAILROAD
SOIL DATA

DESIGNED BY: J. J. ... CHECKED BY: ... APPROVED BY: ...
 MORGAN

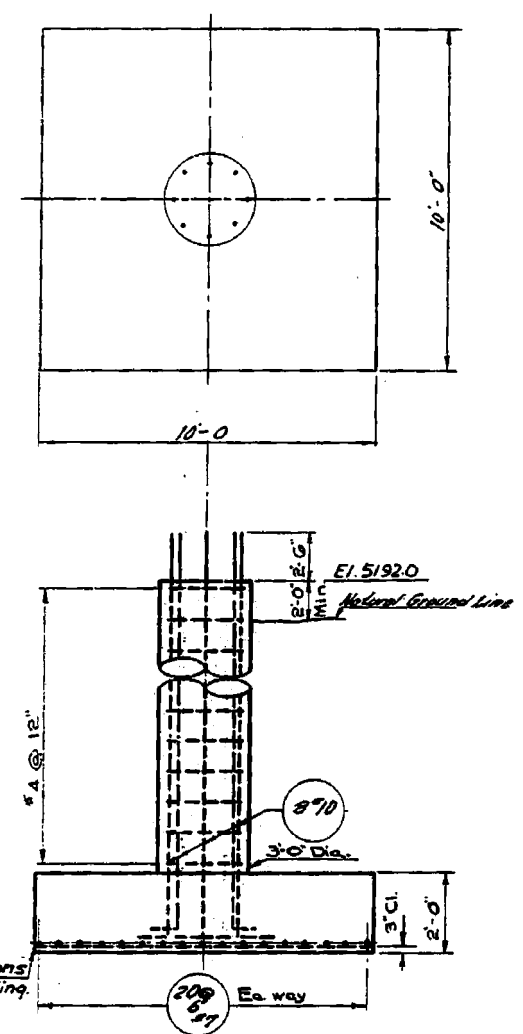
DATE: 10/15/58
 SHEET NO. F-114 OF 35

FOR INFORMATION ONLY

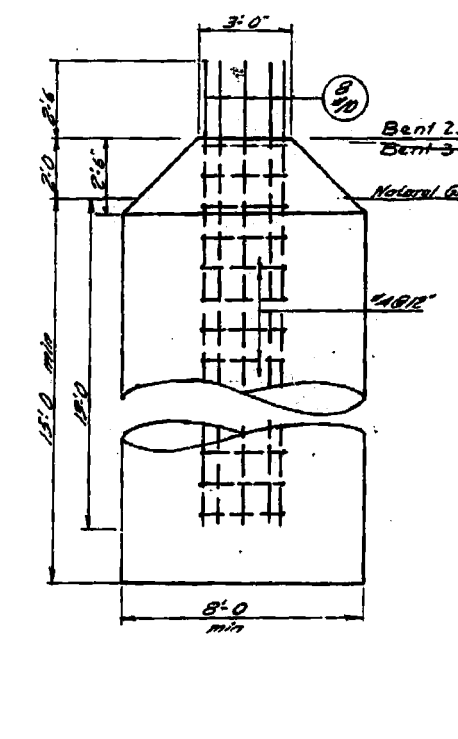
NO.	DATE	REVISIONS



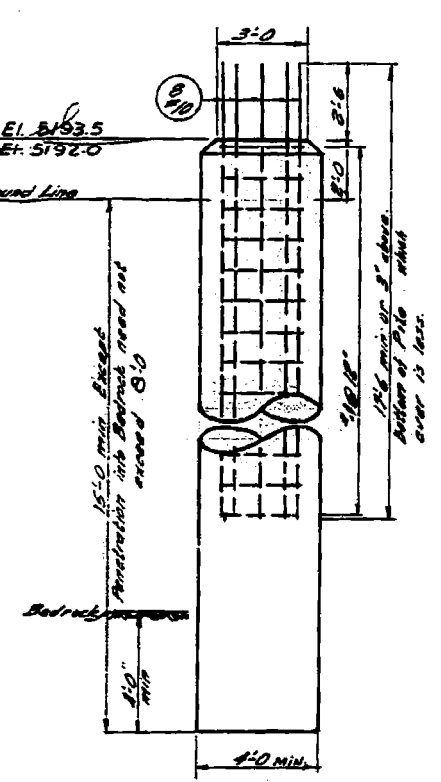
OPTIONAL SPREAD FOOTING FOR BENT 2
Soil Bearing Pressure 5 kips per Sq.ft.



OPTIONAL SPREAD FOOTING FOR BENT 3
Soil Bearing Pressure 5 kips per Sq. Ft.



OPTIONAL CAST IN PLACE CONCRETE PILE IN DRILLED HOLE
With no penetration into Bedrock
Soil Bearing Pressure 5 Tons per Sq.ft.

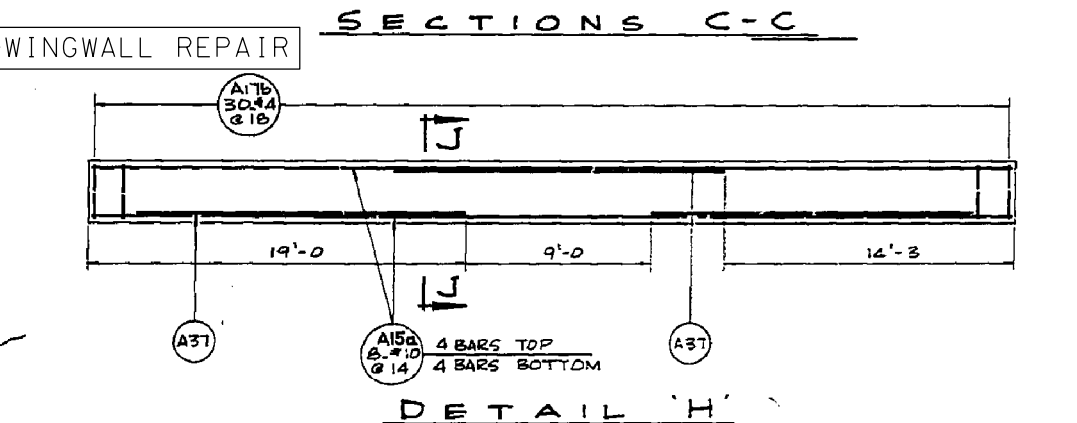
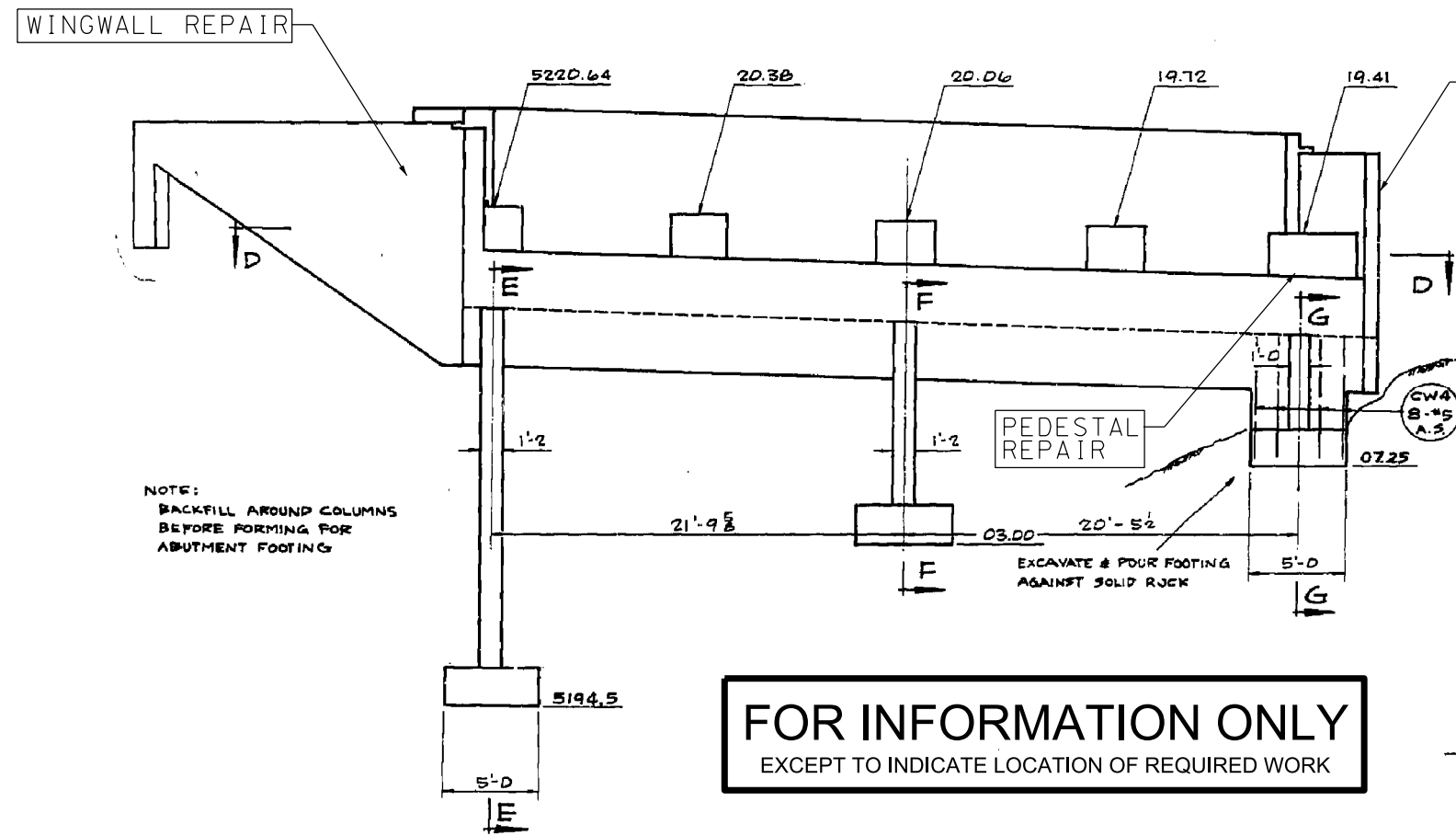
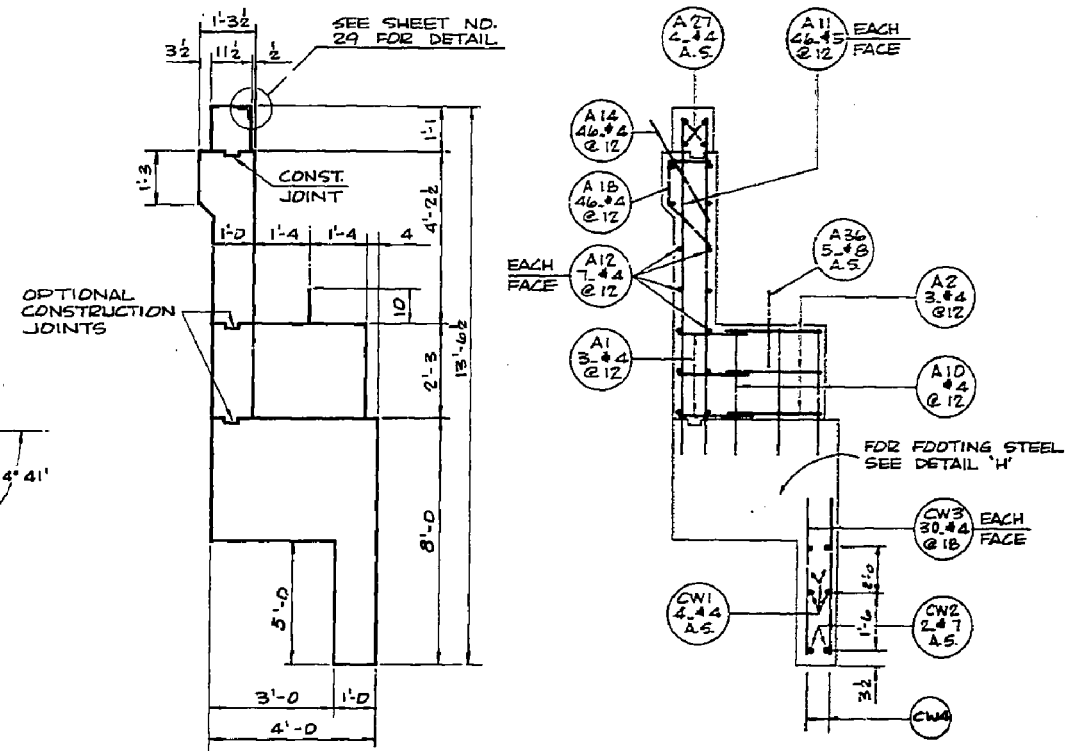
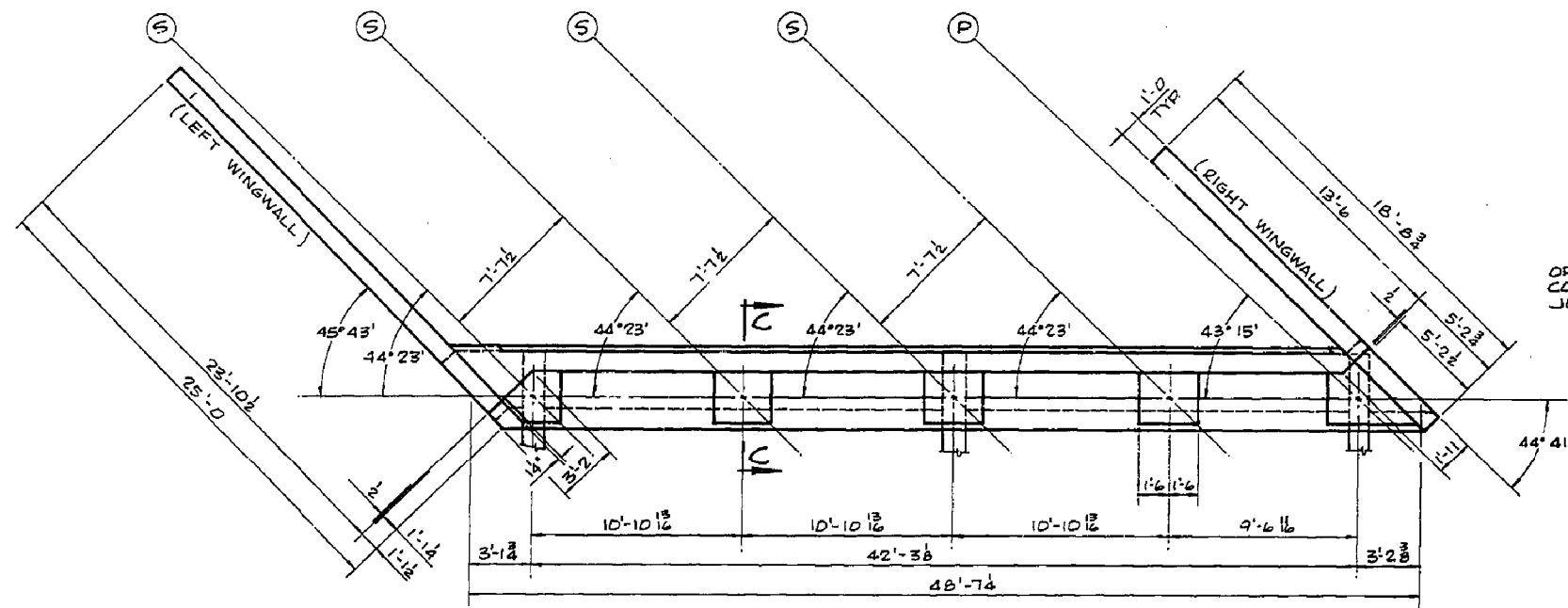


OPTIONAL CAST IN PLACE CONCRETE PILE IN DRILLED HOLE
With penetration into Bedrock
Soil Bearing Pressure 20 Tons per Sq. ft.

NOTE:
1. Reinforcing steel included in unit price for Spread Footings or Cast in place Concrete Piles in drilled Hole.
2)

FOR INFORMATION ONLY

UTAH STATE DEPARTMENT OF HIGHWAYS			
STRUCTURES DIVISION			
ROUND VALLEY TO DEVIL'S SLIDE			
150N OVER 'X' LINE & UPRR			
BENT FOUNDATION DETAILS			
MJ	S.V.P.	TIG-80N-60771	
JEM	S.V.P.		
1/29/65	Jasper		
Jan. 28, 1965	Dr. Sargent	MORGAN	
		F11A	4 35

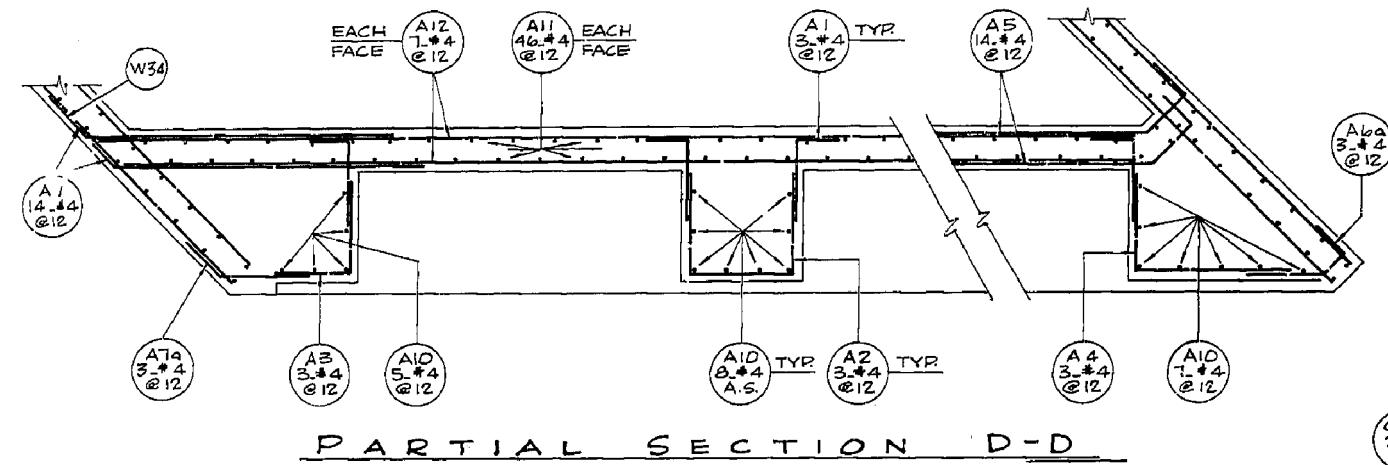


NOTE:
BRIDGE SEAT BEARING AREA (2' LARGER THAN BEARING PAD OR MASONRY PLATE) SHALL BE FINISHED HIGH AND RUBBED OR GROUND TO DESIRED GRADE WITHIN 1/16". NO GROUTING.

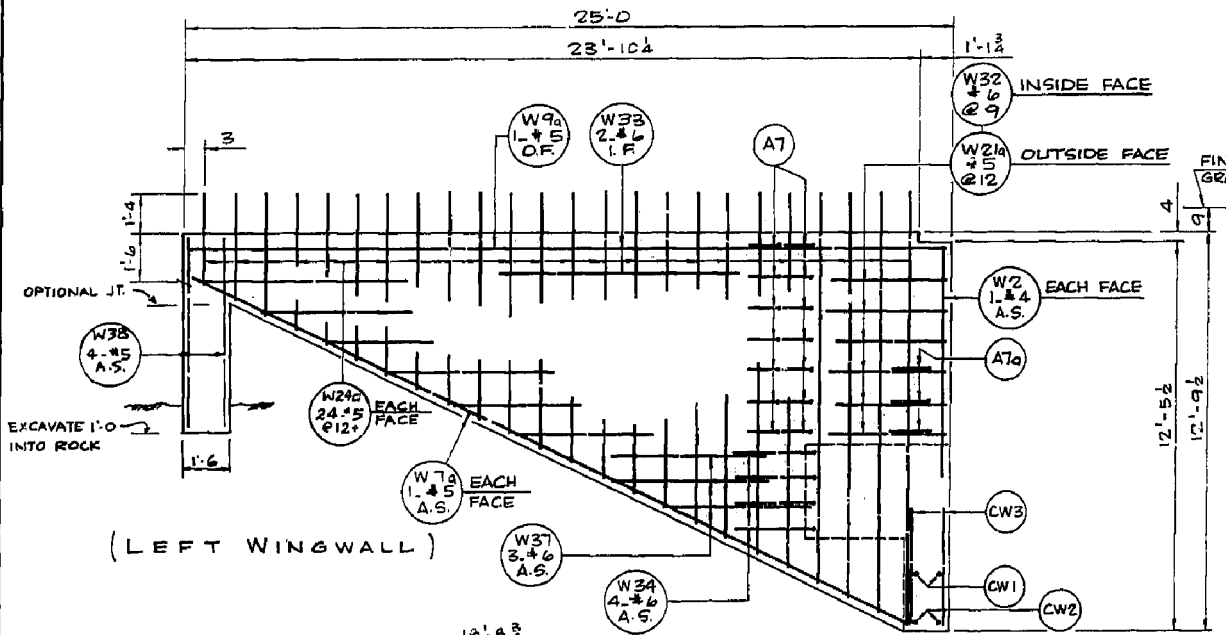
FOR INFORMATION ONLY
EXCEPT TO INDICATE LOCATION OF REQUIRED WORK

UTAH STATE DEPARTMENT OF HIGHWAYS STRUCTURES DIVISION		SALT LAKE CITY, UTAH	
ROUND VALLEY - DEVILS SLIDE IBON OVER 'X' LINE AND U.P.R.R. ABUTMENT I.E.B. DETAILS			
DESIGNED BY	CHECKED BY	1-16-80 W.B.(17)11	
DRAWN BY	CHECKED BY	PROJECT NUMBER	
QUANTITIES BY	CHECKED BY	1452.8543 W.B.	
PRICE BY	CHECKED BY	DATE	
APPROVED BY	CHECKED BY	MORGAN	
NO.	BY	DATE	REMARKS
			REVISIONS
			ENR. F-114 5 OF 35

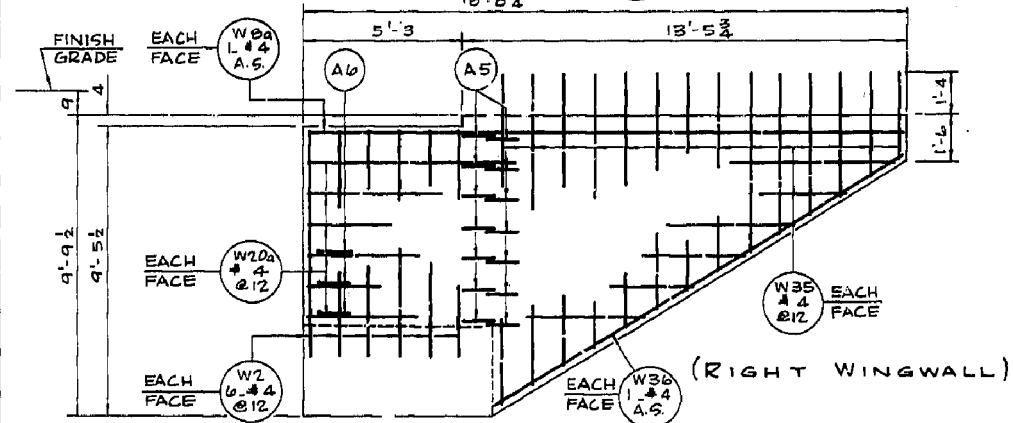
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PARTIAL SECTION D-D

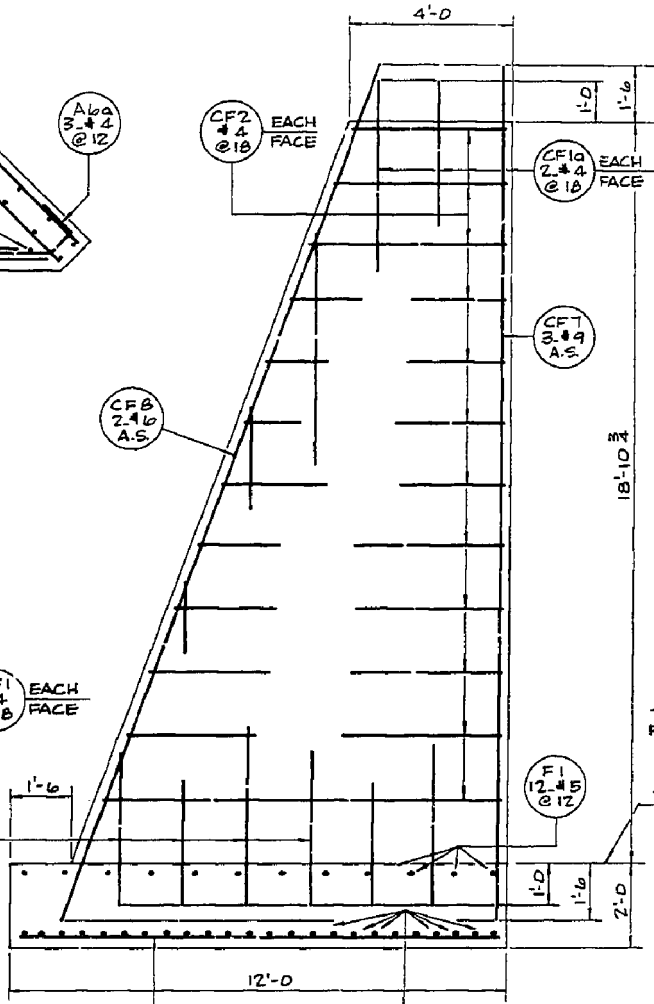


(LEFT WINGWALL)

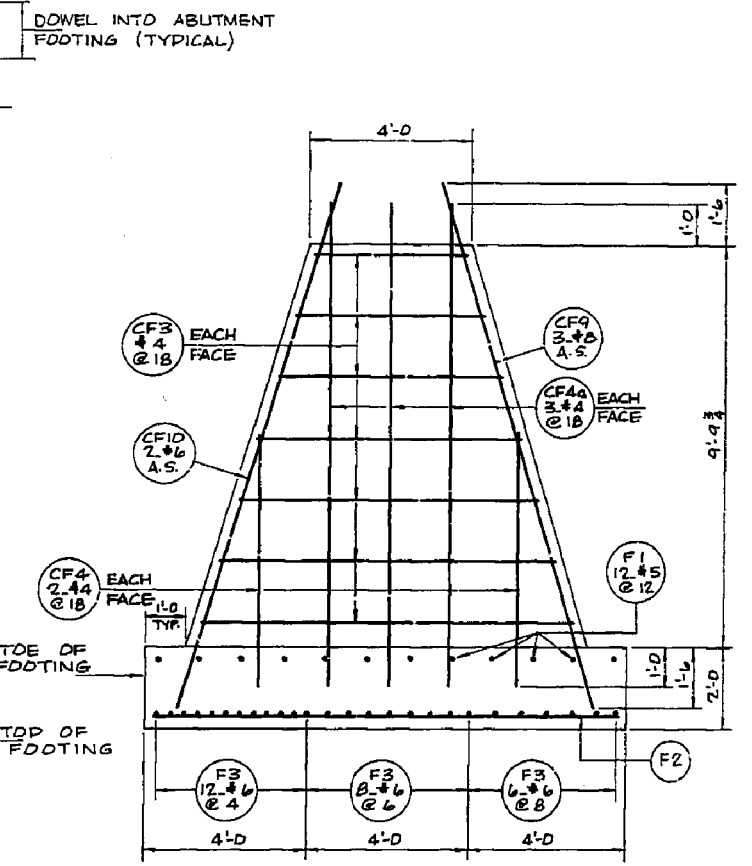


WINGWALL ELEVATIONS

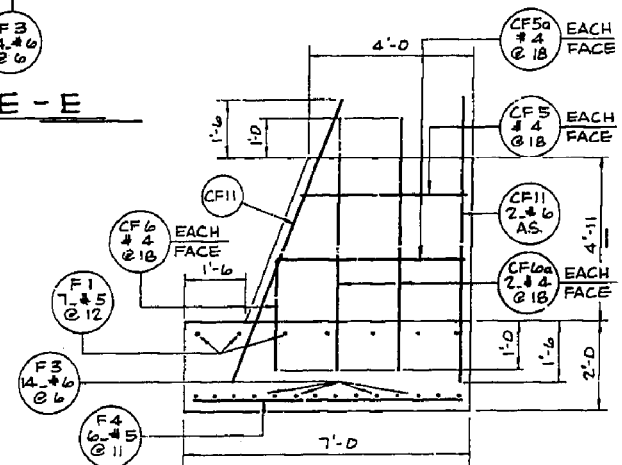
FOR INFORMATION ONLY



SECTION E-E



SECTION F-F



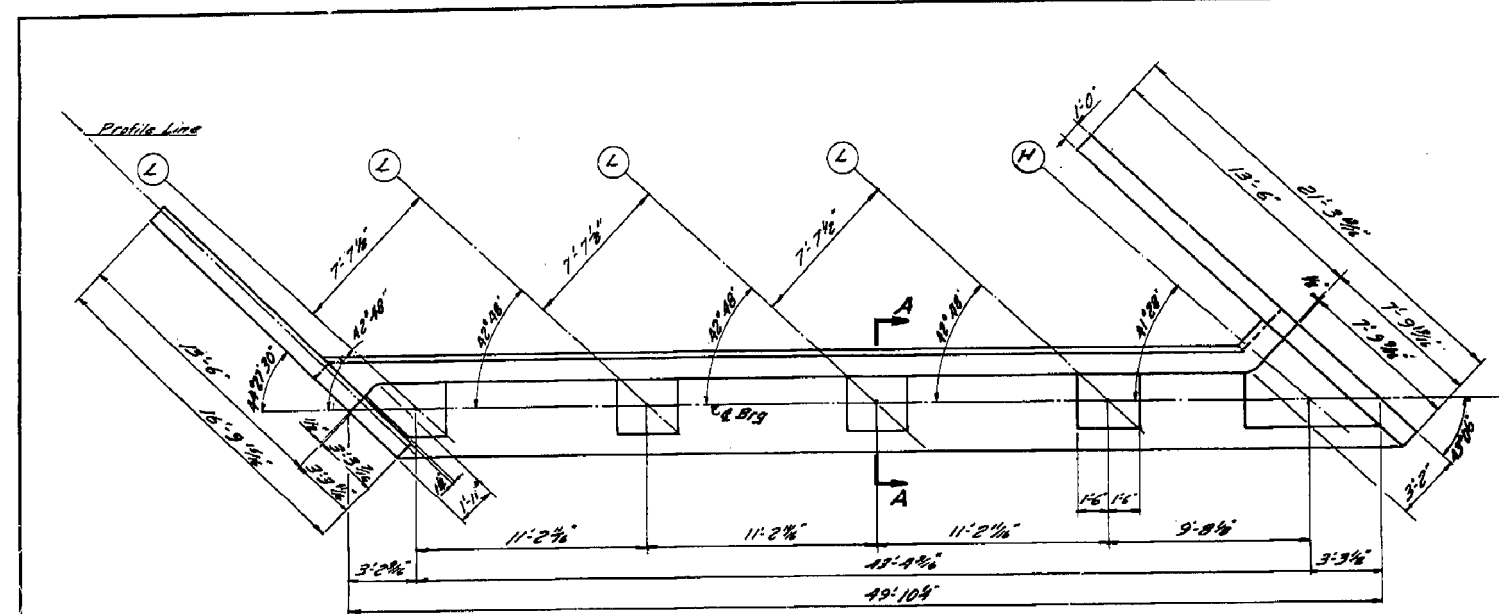
SECTION G-G

UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
ROUND VALLEY-DEVILS SLIDE 18DN OVER X LINE AND U.D.R.R. ABUTMENT I E.B. DETAILS			
DESIGNED BY	CHECKED BY	PROJECT NUMBER	1:16 80N-6(17)71
DRAWN BY BTOMAS	CHECKED BY J.W.P.	QUANTITIES BY J.W.P.	452-485.42 W.B.
APPROVAL 5-4-66	BY J.M. [Signature]	STATION	MORGAN
APPROVED	DATE	COUNTY	ORG. F-114
REVISIONS			5a-35

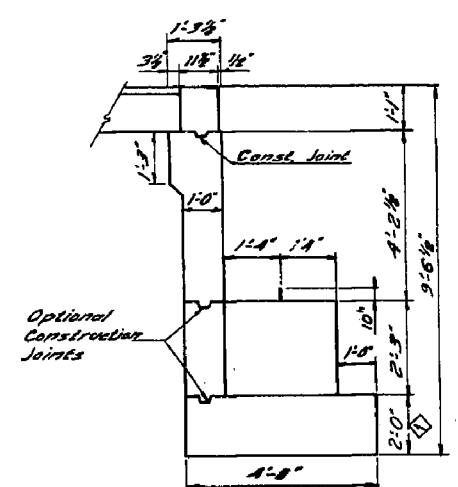
2 B.T.C. 6-1-66 CHANGED SECTION F-F			
1 B.T.T. 5-4-66 SHEET ADDED			
NO.	BY	DATE	REMARKS
REVISIONS			

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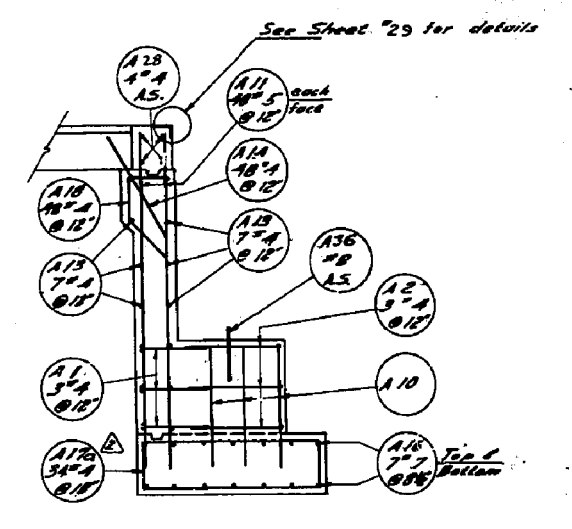
ENG. AUTH. CONSTN. AUTH.



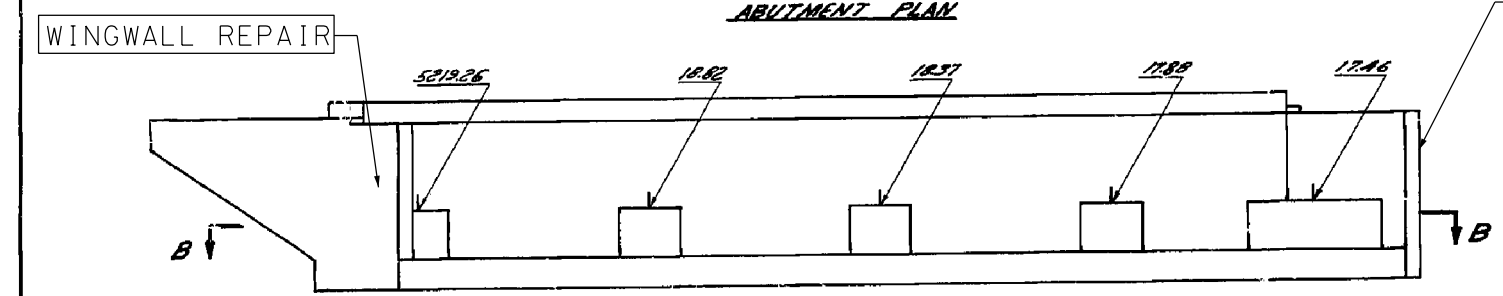
ABUTMENT PLAN



SECTION THRU ABUTMENT



SECTION A-A

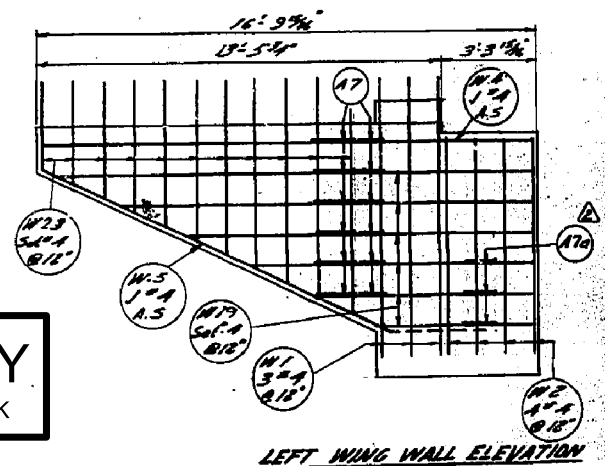


ABUTMENT ELEVATION

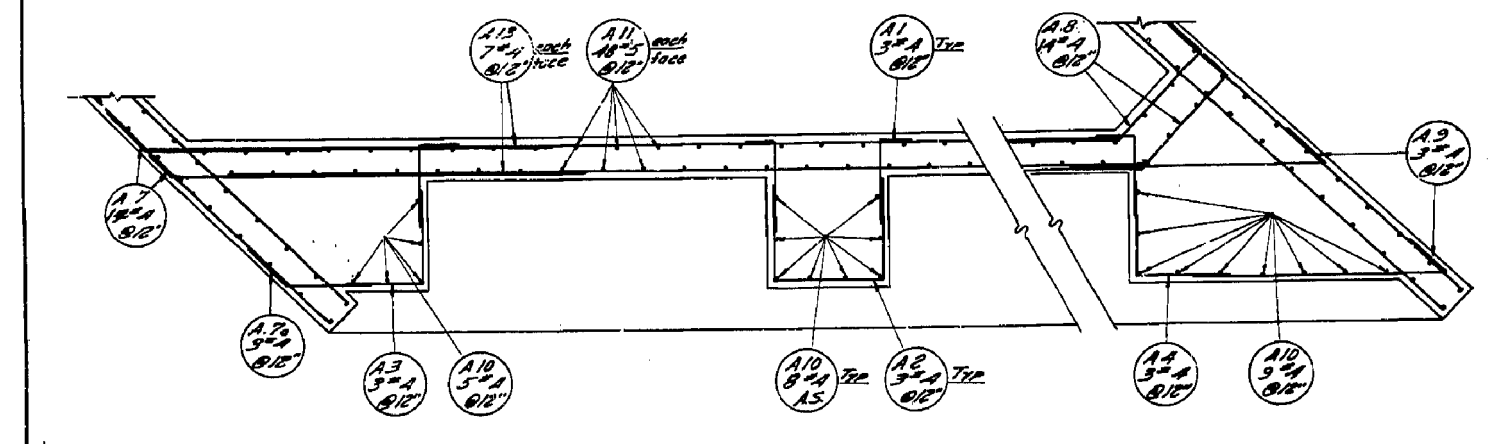
WINGWALL REPAIR

NOTE:
1 Bridge Seal bearing area (2" larger than bearing pad or masonry plate) shall be finished high and rubbed or ground to desired grade within 1/16". No grouting.
2 All "W" Bars are in each face of Wing Walls

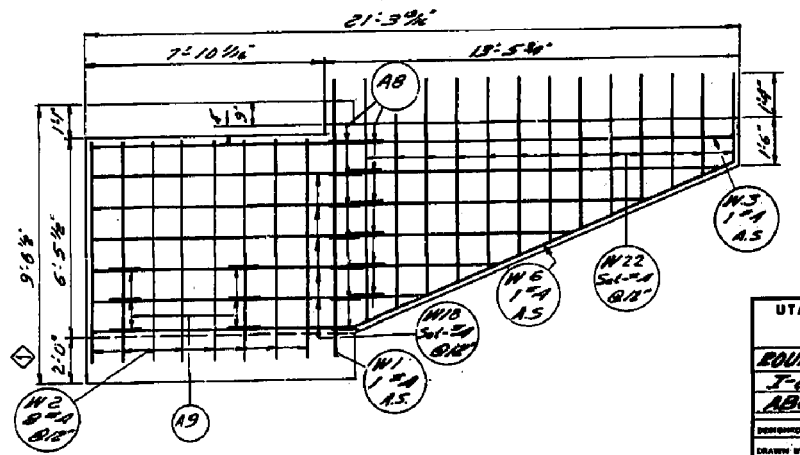
FOR INFORMATION ONLY
EXCEPT TO INDICATE LOCATION OF REQUIRED WORK



LEFT WING WALL ELEVATION



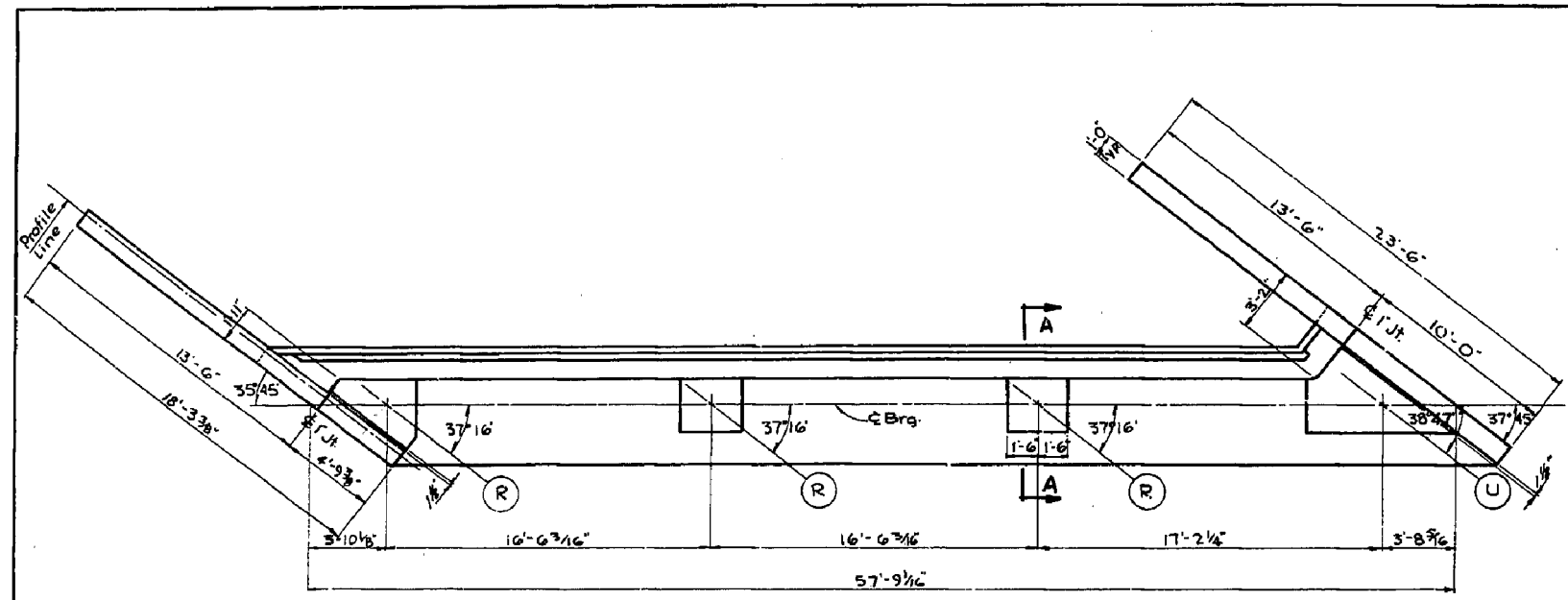
PARTIAL SECTION B-B



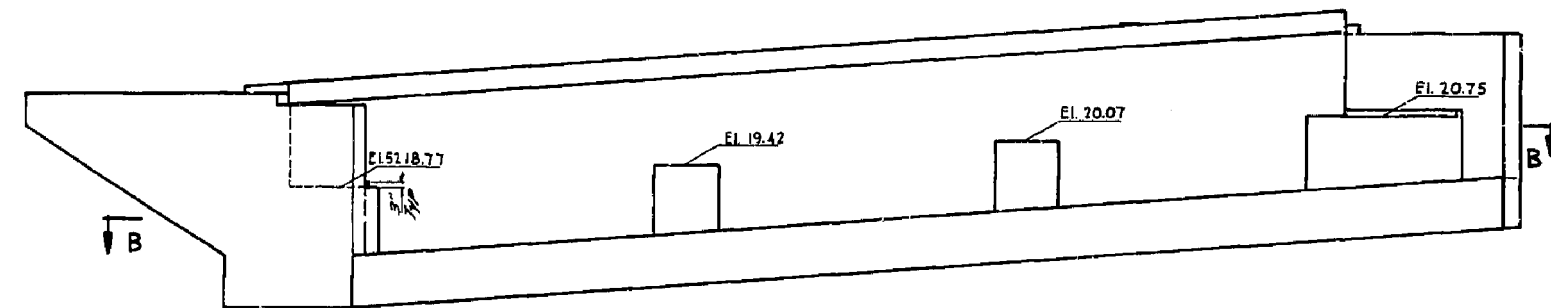
RIGHT WING WALL ELEVATION

NO.	BY	DATE	REVISIONS
1	J.M.P.	5-6-64	Bars AT GRD CHG'D TO A7a & A7b
2	W.L.A.	4-29-65	Changed Footing Dims.

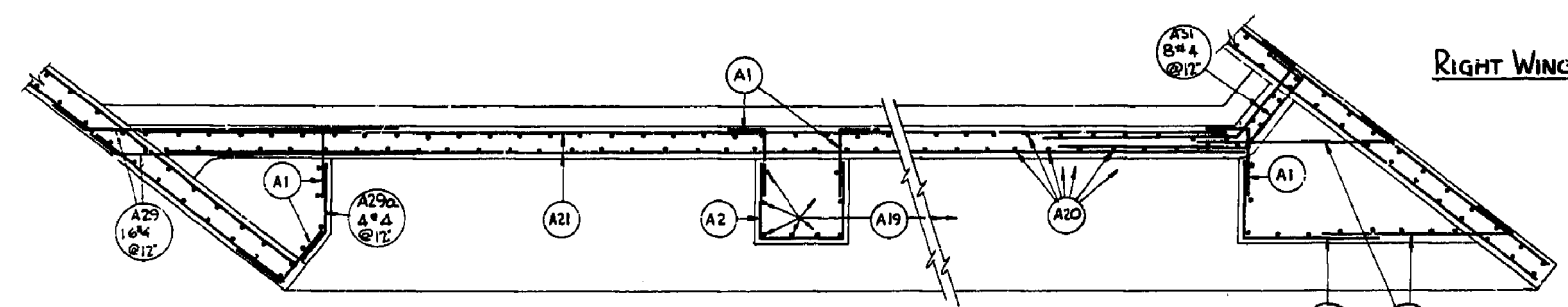
UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
ROUND VALLEY - DENNIS SLIDE T-BON OVER T-LINE & L-RIDGE ABUTMENT 1 W.B. DETAILS.			
DESIGNED BY: J.M.P.	CHECKED BY: J.S.C.	DRAWN BY: J.S.C.	CONTRACT NUMBER: 6-35
QUANTITIES BY: J.S.P.	CONTRACT BY: J.S.P.	APPROVED BY: J.S.P.	
APPROVED: J.S.P.			DATE: F-11A



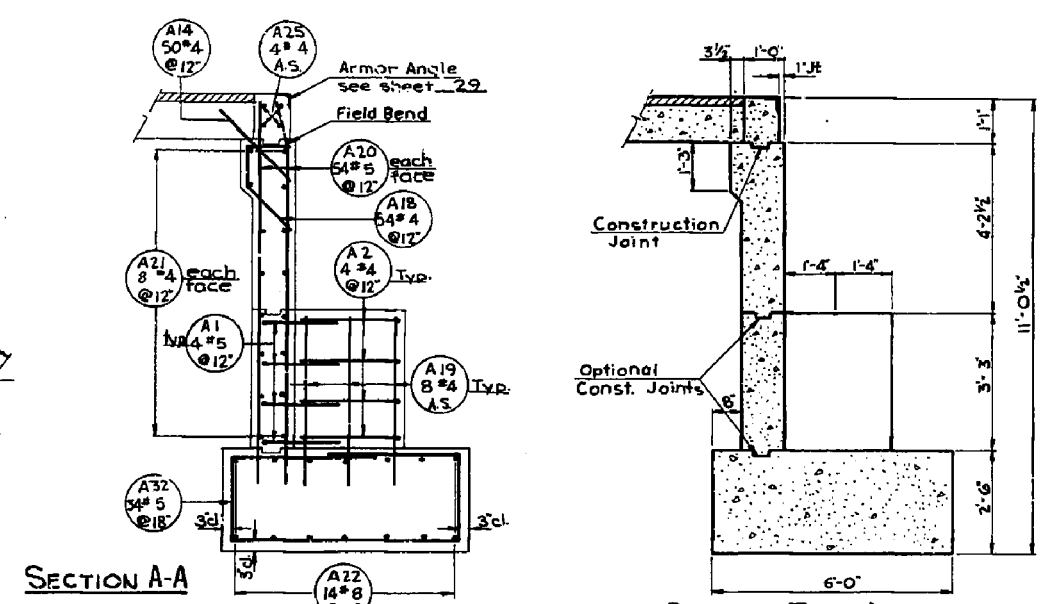
ABUTMENT PLAN



ABUTMENT ELEVATION

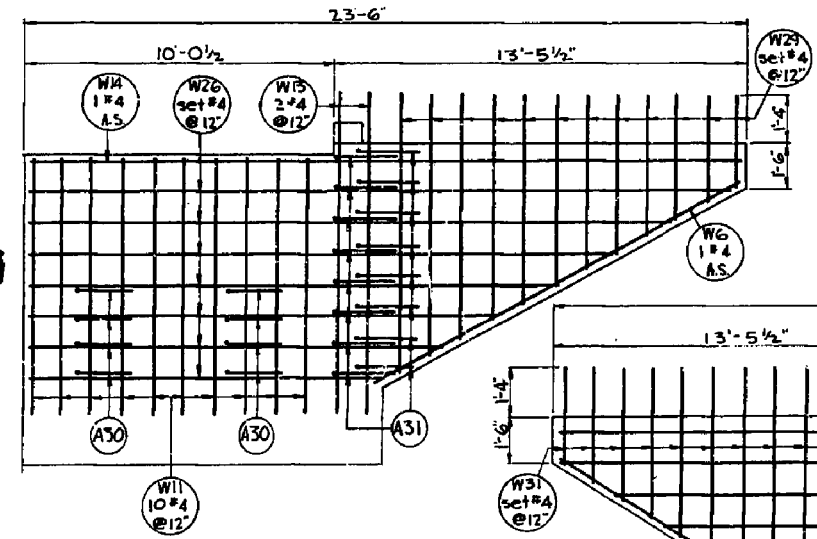


PARTIAL SECTION B-B



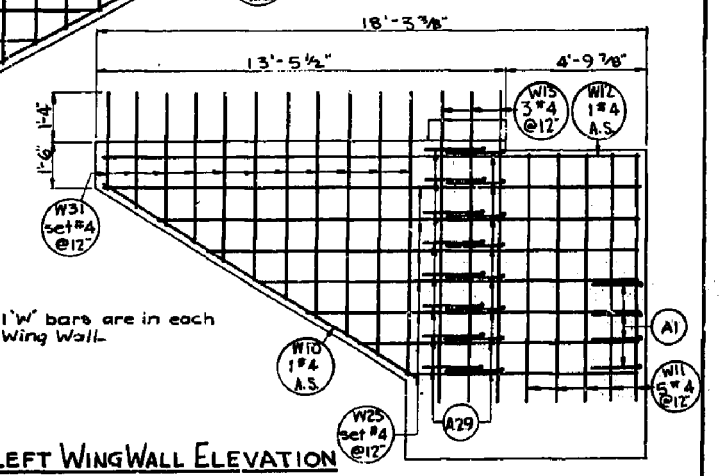
SECTION A-A

SECTION THRU ABUTMENT



RIGHT WINGWALL ELEVATION

NOTE: All 'W' bars are in each face of Wing Wall.



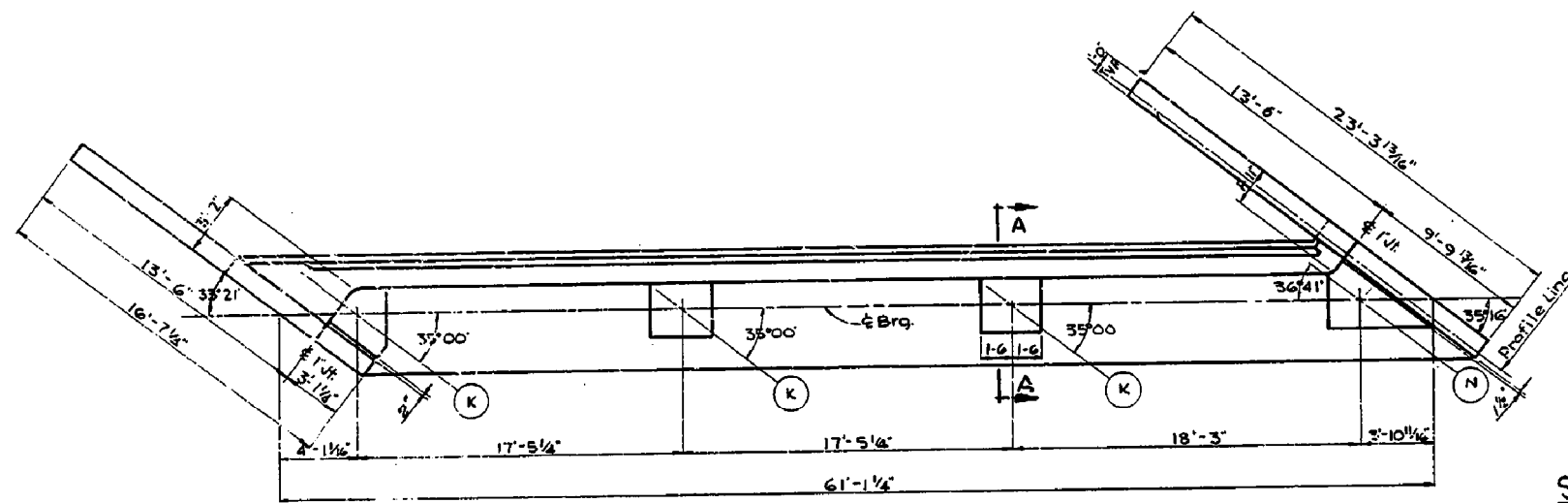
LEFT WINGWALL ELEVATION

NOTE: Bridge Seat bearing area (2' larger than bearing pad) shall be finished high and rubbed or ground to grade within 1/16". No grouting.

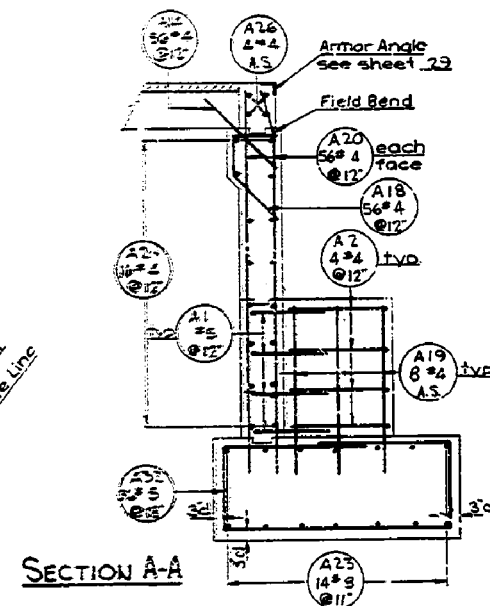
UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION	
ROUND VALLEY TO DEVIL'S SLIDE 180N OVER 'X' LINE & UPR.R. ABUTMENT 4 EAST B. DETAILS	
DESIGNED BY: <i>MW</i>	CHECKED BY: <i>[Signature]</i>
DRAWN BY: <i>DCA</i>	CHECKED BY: <i>[Signature]</i>
QUANTITIES BY: <i>AKP</i>	CHECKED BY: <i>[Signature]</i>
APPROVED BY: <i>[Signature]</i>	DATE: <i>[Date]</i>
STATION: <i>MS2+85.43</i>	COUNTY: MORGAN
NO.:	DATE:
REVISIONS:	
DRG. F-114	7 of 35

FOR INFORMATION ONLY

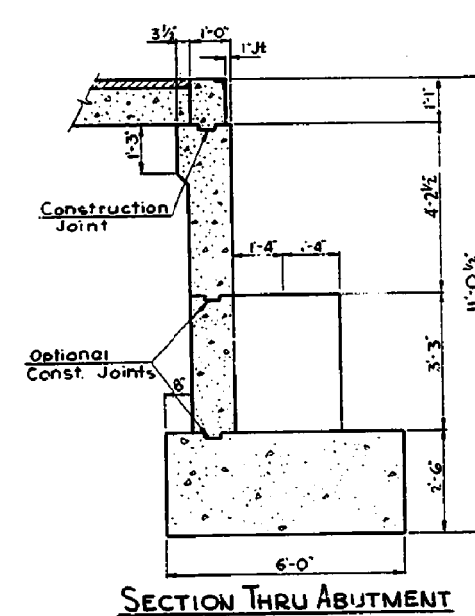
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ABUTMENT PLAN

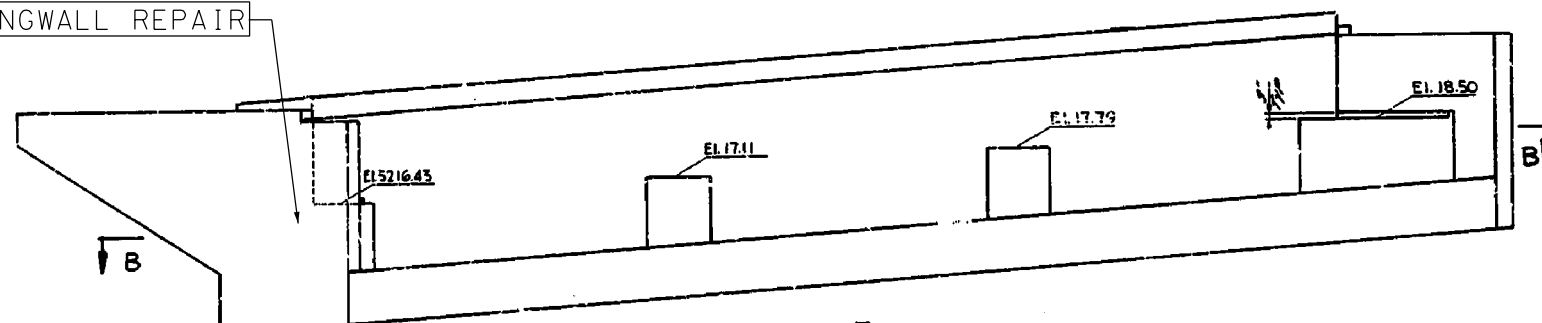


SECTION A-A

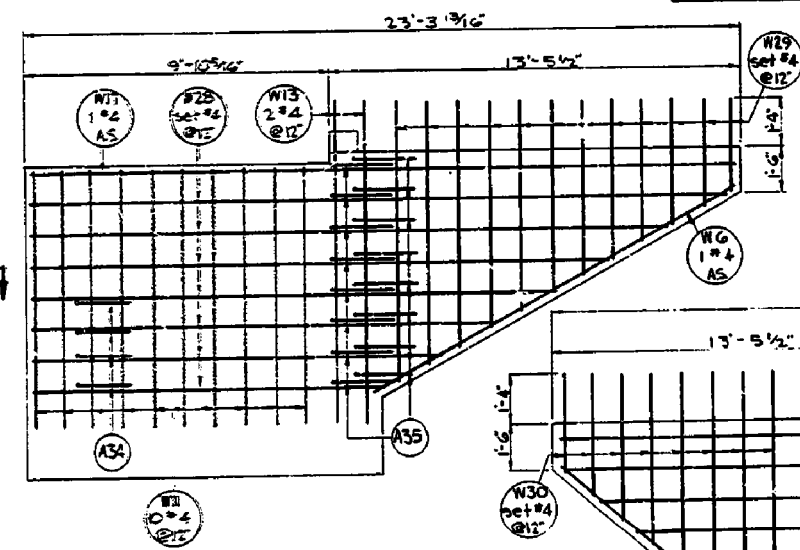


SECTION THRU ABUTMENT

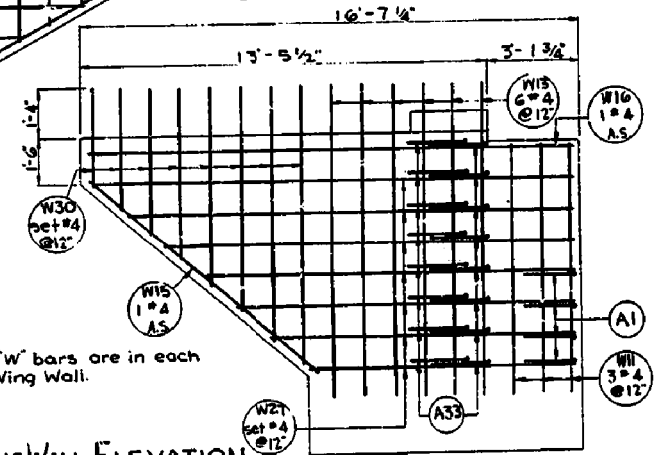
WINGWALL REPAIR



ABUTMENT ELEVATION

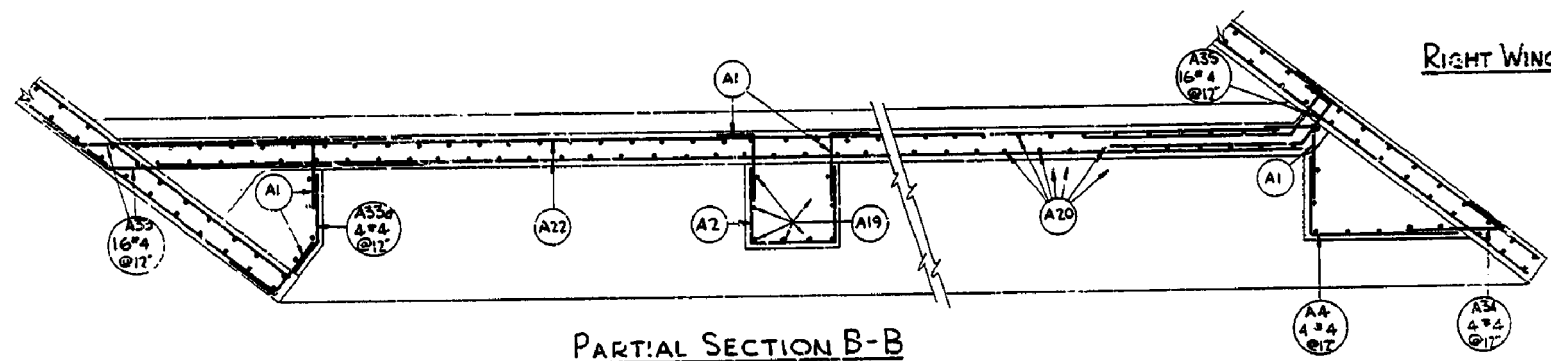


RIGHT WINGWALL ELEVATION



LEFT WINGWALL ELEVATION

NOTE: All 'W' bars are in each face of Wing Wall.



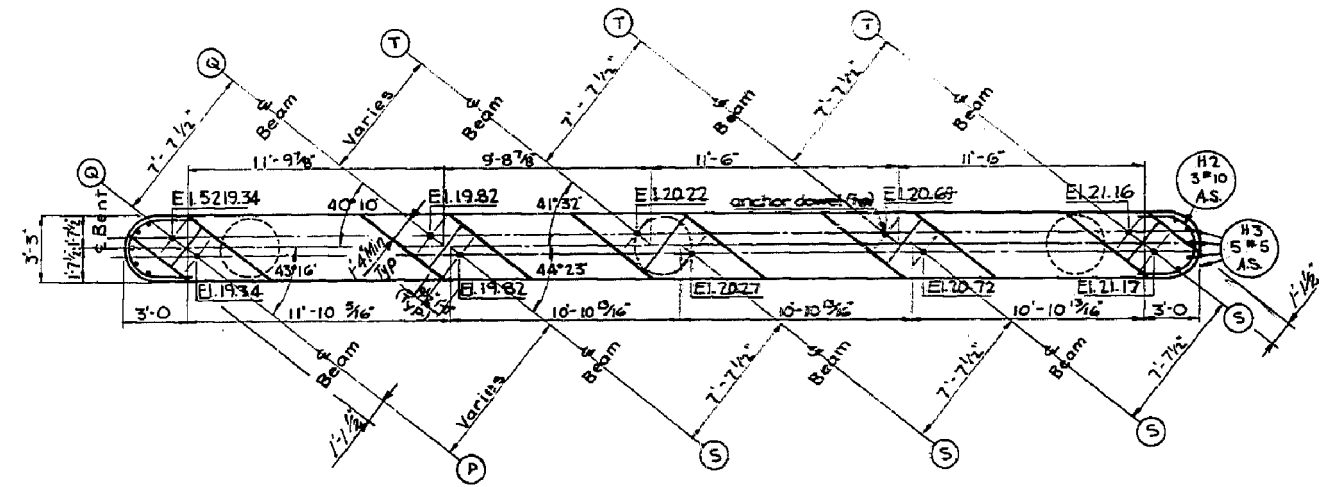
PARTIAL SECTION B-B

NOTE: Bridge Seat bearing area (2' larger than bearing pad) shall be finished high and rubbed or ground to grade within 1/16". No grouting.

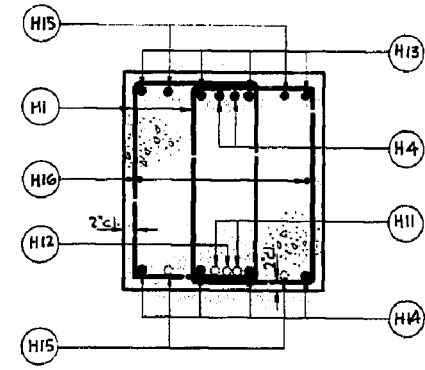
UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
ROUND VALLEY TO DEVIL'S SLIDE IRON OVER 'X' LINE & U.P.R.R. ABUTMENT 4 WEST B. DETAILS			
DESIGNED BY: MN	CHECKED BY: JEM	PROJECT NUMBER: 12-10-10-40771	
DRAWN BY: DCA	CHECKED BY: S.V.P.		
QUANTITIES BY: AKP	CHECKED BY: J.L. SANGRANT		
APPROVED: J.L. SANGRANT			
DATE: 11/28/65		BY: J.L. SANGRANT	
REVISIONS:		ORG: F-114	8 of 35

FOR INFORMATION ONLY
EXCEPT TO INDICATE LOCATION OF REQUIRED WORK

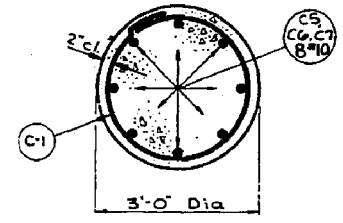
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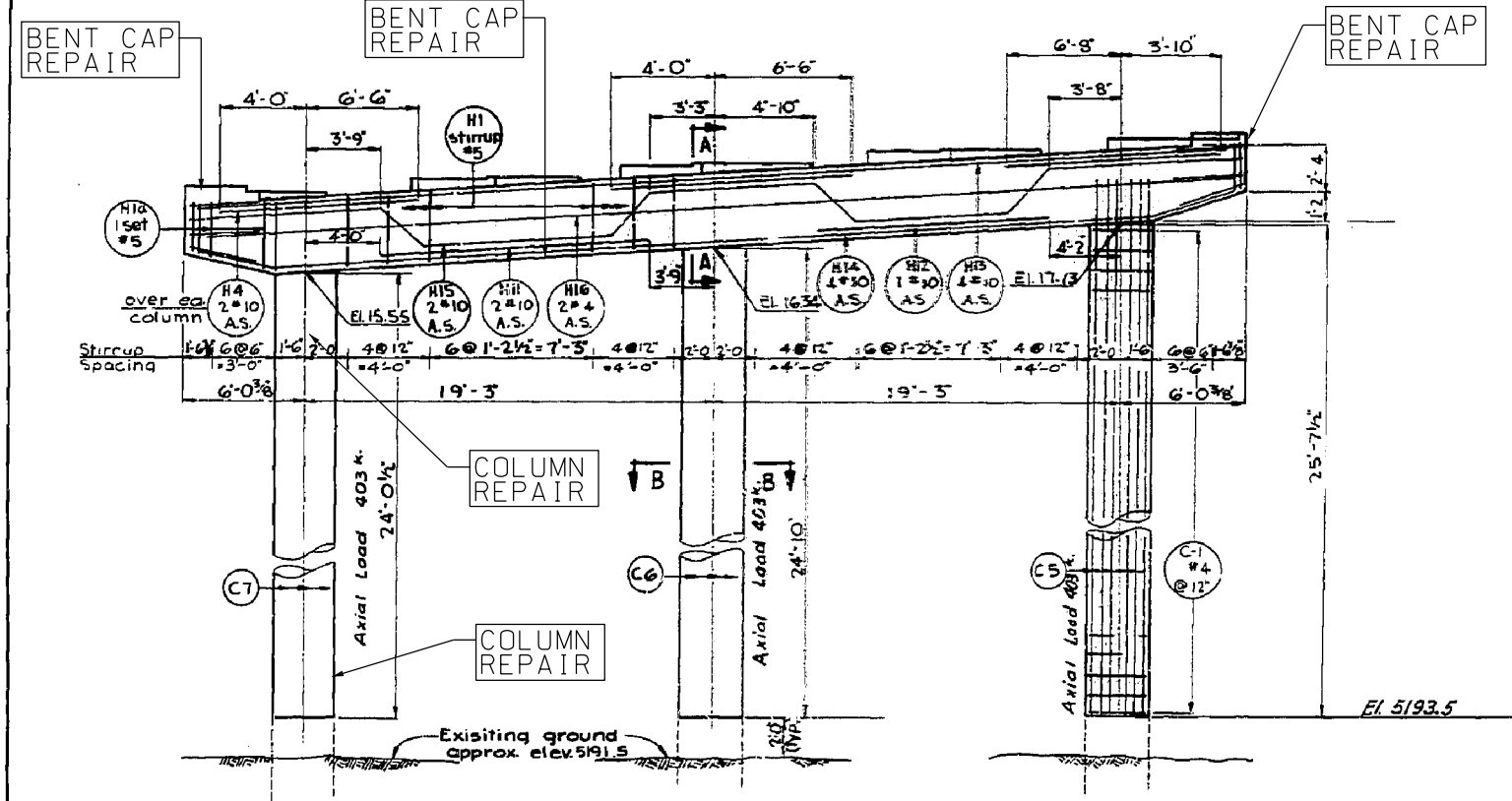
CAP PLAN



SECTION A-A

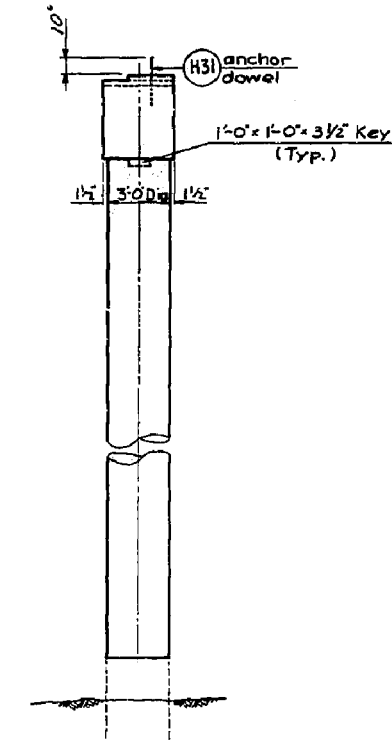


SECTION B-B



ELEVATION

See sheet 4 for footing details

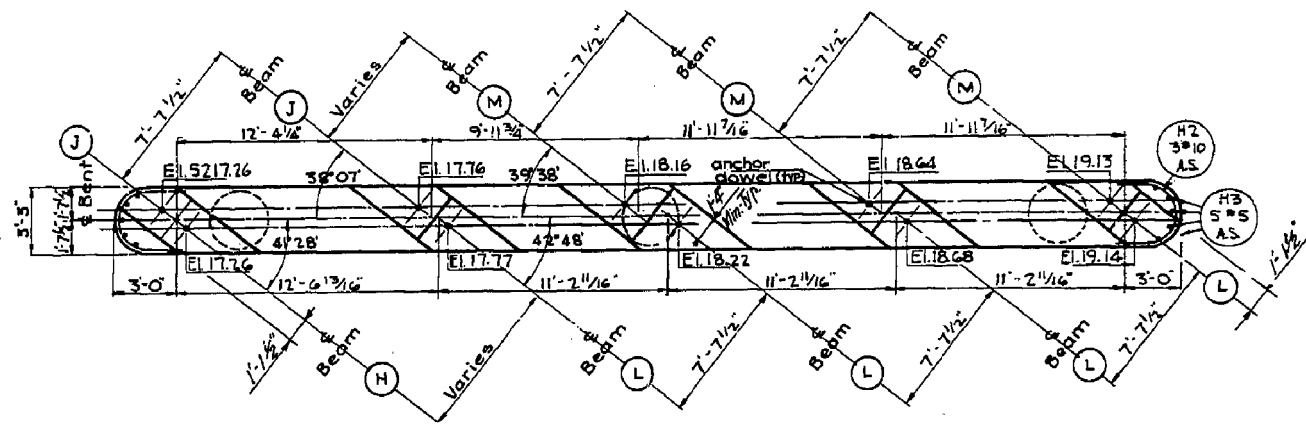


END ELEVATION

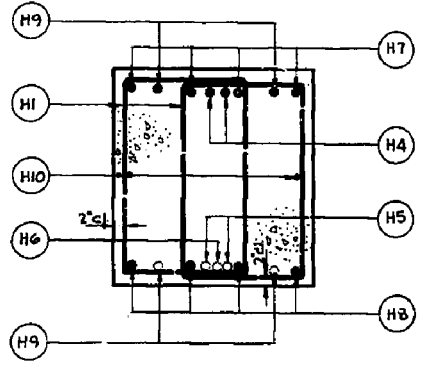
FOR INFORMATION ONLY
 EXCEPT TO INDICATE LOCATION OF REQUIRED WORK

UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
ROUND VALLEY TO DEVIL'S SLIDE I-BON OVER X-LINE & UPRR BENT 2 EAST BOUND			
DESIGNED BY: <i>PN</i>	CHECKED BY: <i>SYP</i>	PROJECT NUMBER:	
DRAWN BY: <i>DGA</i>	CHECKED BY: <i>SYP</i>	STATION:	
QUANTITIES BY: <i>AKP</i>	CHECKED BY: <i>SYP</i>	145218543 WBT	
APPROVAL RECORD: <i>1/20/05</i>	<i>Joseph E. [Signature]</i>	MORGAN COUNTY	
APPROVED FROM: <i>11/15/05</i>	<i>D.L. [Signature]</i>	DRG. F-114	9 of 35
NO. BY DATE REVISIONS			

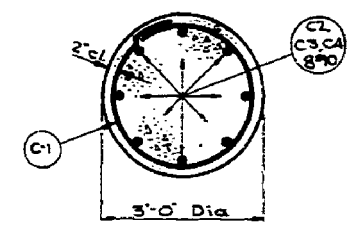
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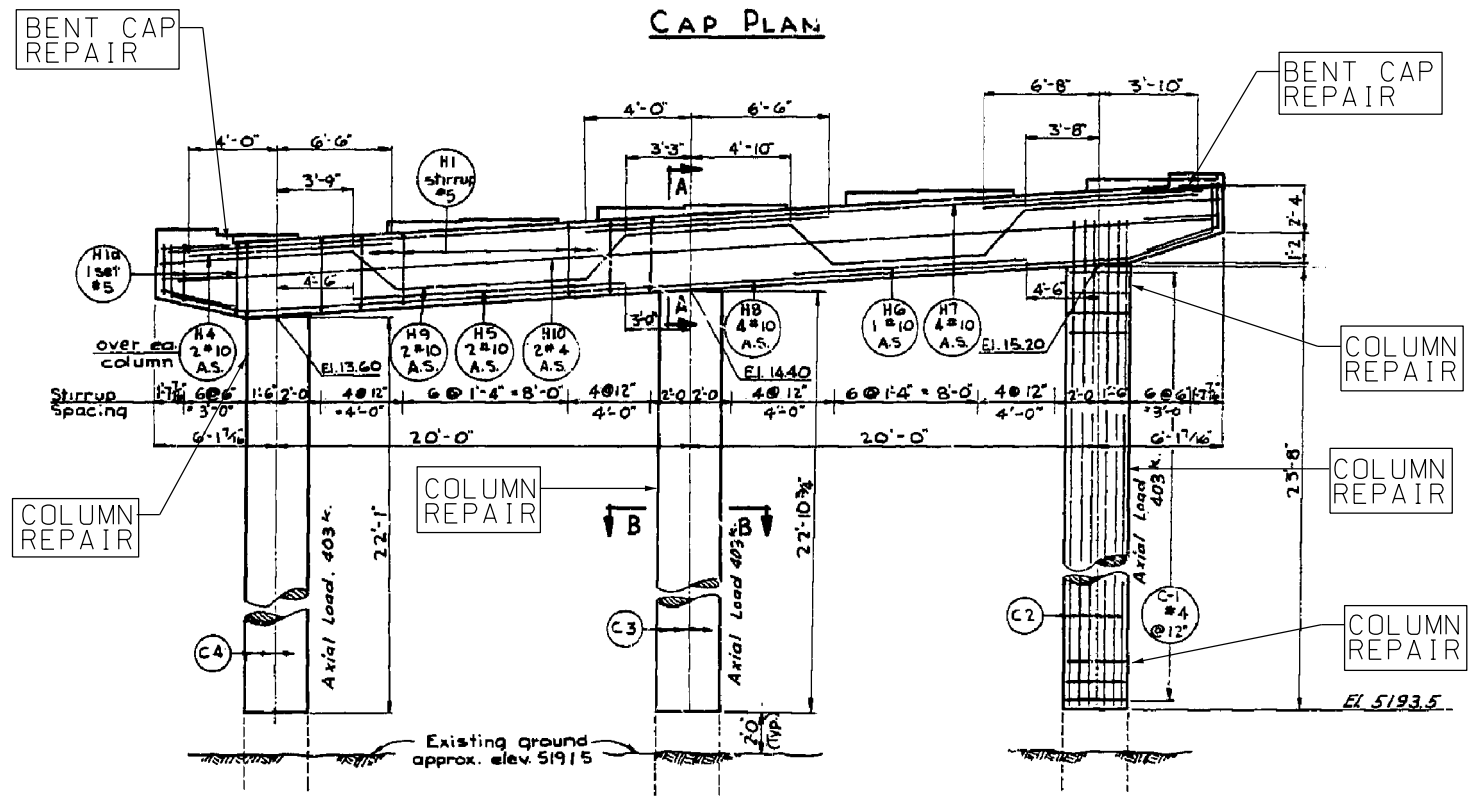
CAP PLAN



SECTION A-A

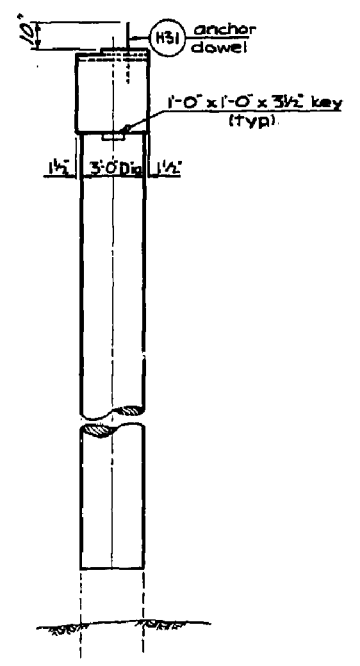


SECTION B-B



ELEVATION

See Sheet 4 for footing details



END ELEVATION

FOR INFORMATION ONLY
EXCEPT TO INDICATE LOCATION OF REQUIRED WORK

NO.	BY	DATE	REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
ROUND VALLEY TO DEVIL'S SLIDE I-80N OVER X-LINE CLPPB BENT 2 WEST BOUND			
DESIGNED BY: PKV	CHECKED BY: SVP	PROJECT NUMBER: 145218543M8R	DATE: 1/20/15
DRAWN BY: DCA	CHECKED BY: SVP	PROJECT NUMBER: 145218543M8R	DATE: 1/20/15
APPROVED BY: [Signature]	DATE: 2/18/15	BY: [Signature]	DATE: 2/18/15
MORGAN COUNTY		DATE: F-114	

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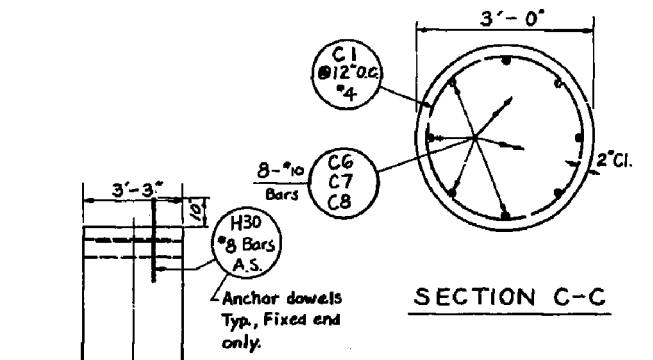
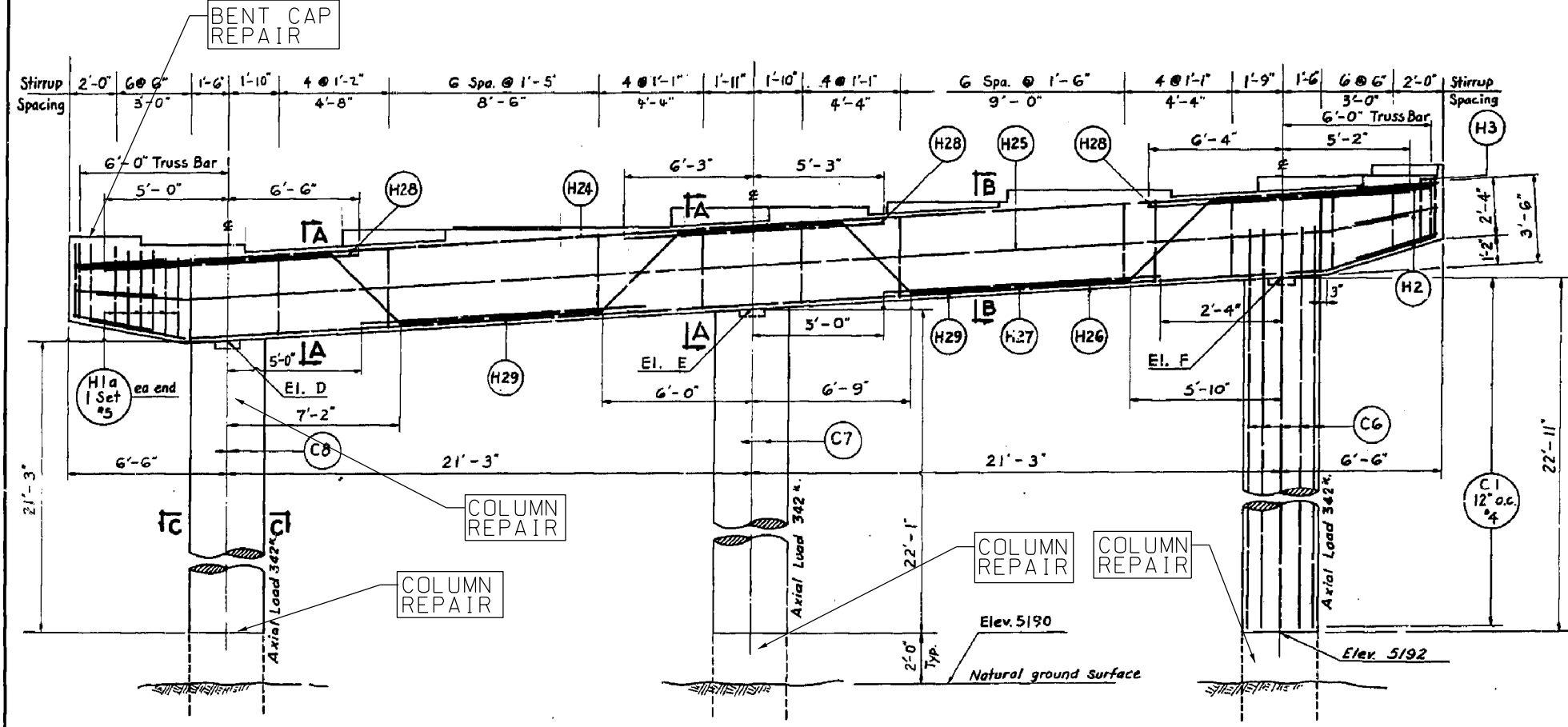
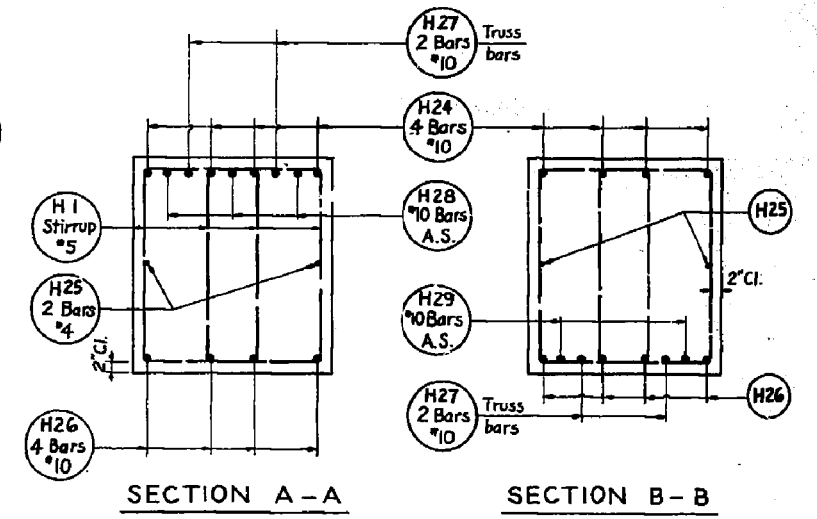
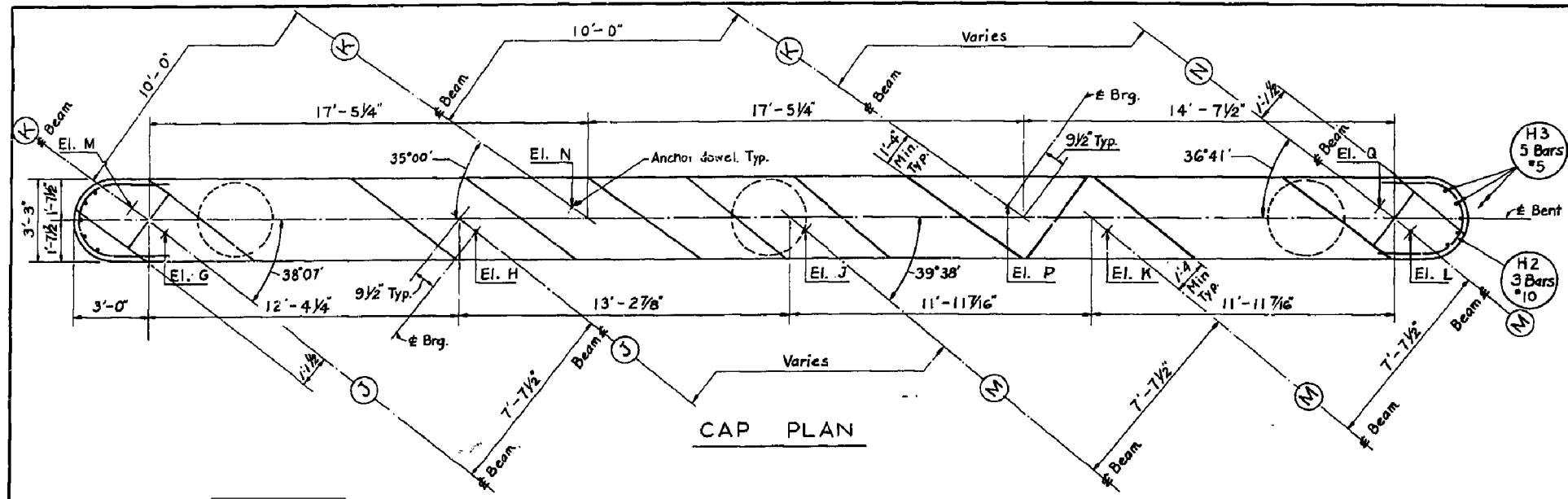
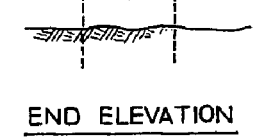


TABLE OF ELEVATION	
POINT	ELEVATION
D	5213.23
E	5214.09
F	5214.95
G	5216.91
H	5217.40
J	5217.92
K	5218.40
L	5218.88
M	5216.91
N	5217.59
P	5218.29
Q	5218.87



ELEVATION
(See Sheet 4 for footing detail)

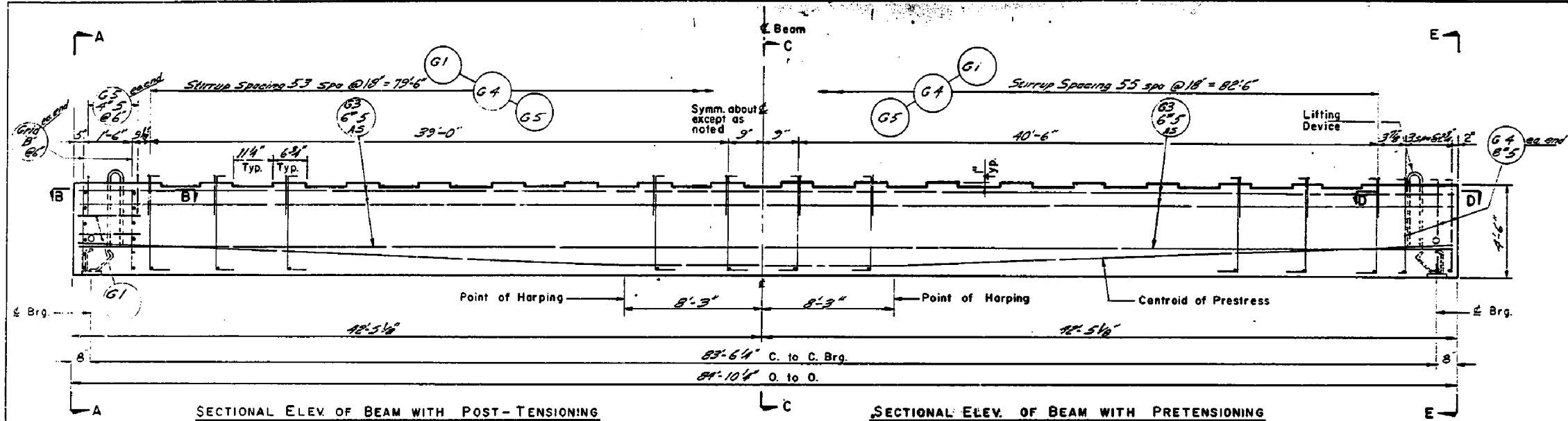
FOR INFORMATION ONLY
EXCEPT TO INDICATE LOCATION OF REQUIRED WORK

NO.	BY	DATE	REVISIONS

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
STRUCTURES DIVISION
ROUND VALLEY TO DEVILS SLIDE
I-80N OVER 'X' LINE & U.P.R.R.
BENT #3, WEST B

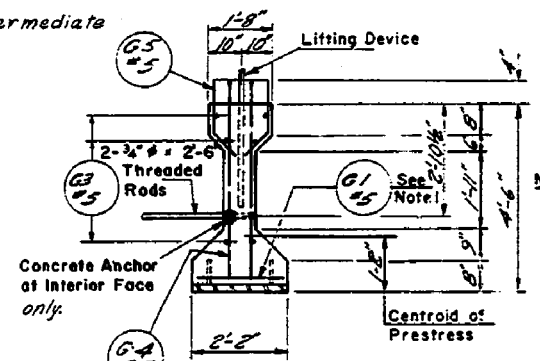
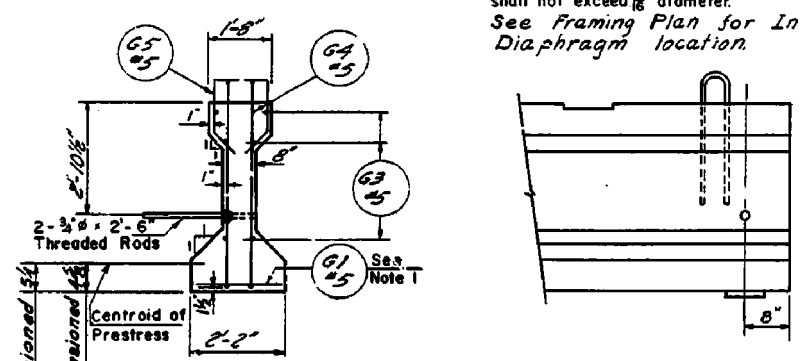
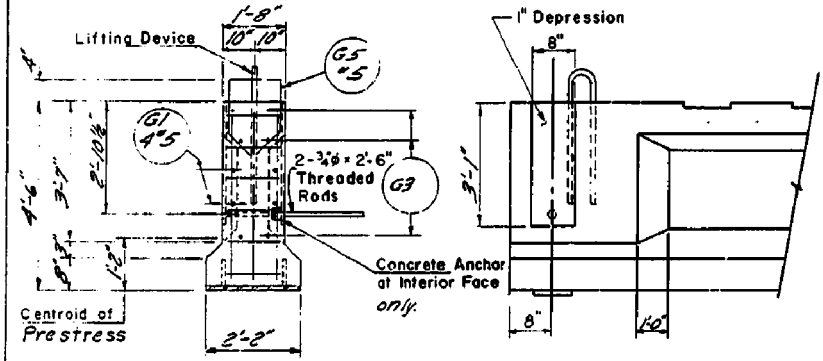
DESIGNED BY: *[Signature]* CHECKED BY: *[Signature]* PROJECT NUMBER: 1-16-80N-60701
 DRAWN BY: *[Signature]* CHECKED BY: *[Signature]* SHEET NUMBER: 1452+8543WBK
 APPROVED BY: *[Signature]* DATE: *[Date]* CONTRACTOR: MORGAN
 BR. NO. DRG. F-114 12 OF 35

05-APR-2018 10:41:15 AM P:\Projects\1723\F-114\Bent12.dwg (in) C:\Users\...



REINFORCING BAR SCHEDULE (PER BEAM)					
MARK	SIZE	L'GTH	NO BARS	NO BARS	SKETCH
G1	5	1-10	64	62	
G2	5	4-1	0	24	
G3	5	2-9 1/2	18	18	
G4	5	6-0	128	108	
G5	5	5-6	56	62	
G6	5	1-6	0	72	

NOTE: Unless otherwise shown, all dimensions are out to out of bars
 * With Post-Tensioning



NOTE: Bar G1 shall be placed immediately above lower row of prestressing strands.

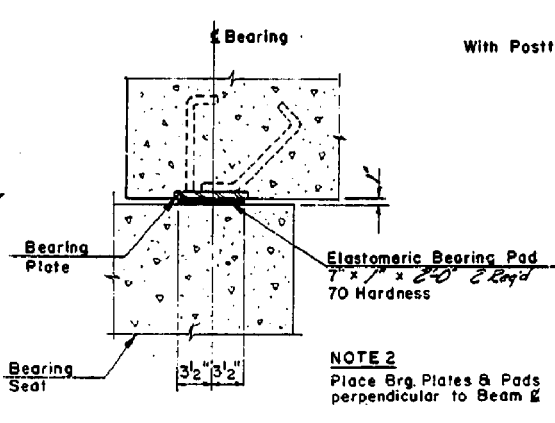
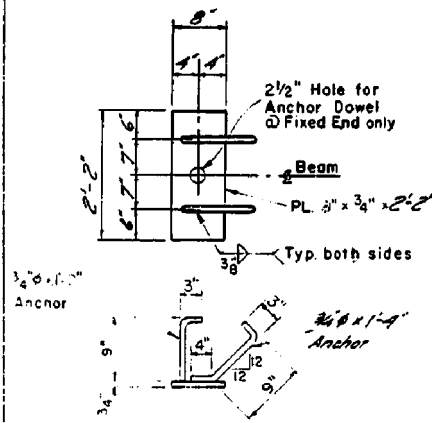
SECTION A-A WITH POST-TENSIONING

POST-TENSIONED END-ELEVATION

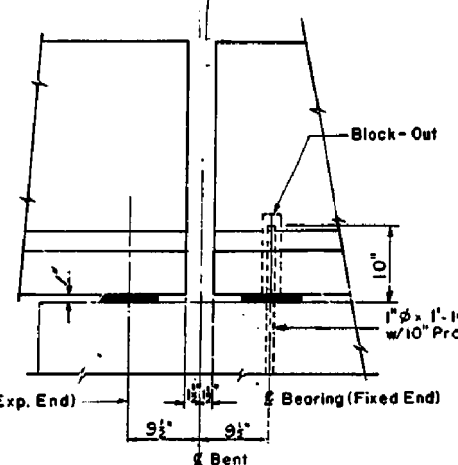
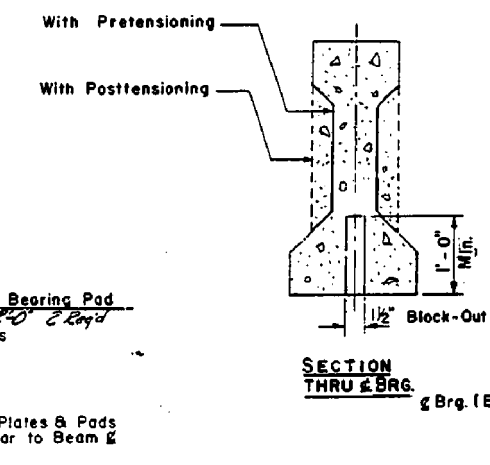
SECTION C-C

PRETENSIONED END-ELEVATION

SECTION E-E WITH PRETENSIONING



NOTE 2: Place Brg. Plates & Pads perpendicular to Beam &



SECTION E-E WITH PRETENSIONING

SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING

A.A.S.H.O. Type III Beam
 Final forces after losses:
 Post-tensioned 800 L.
 Prestensioned 598 K.
 f_c (Post-tensioned) - 4000 psi.
 f_c (Prestensioned) - 4000 psi.
 1 Exterior Beam Required

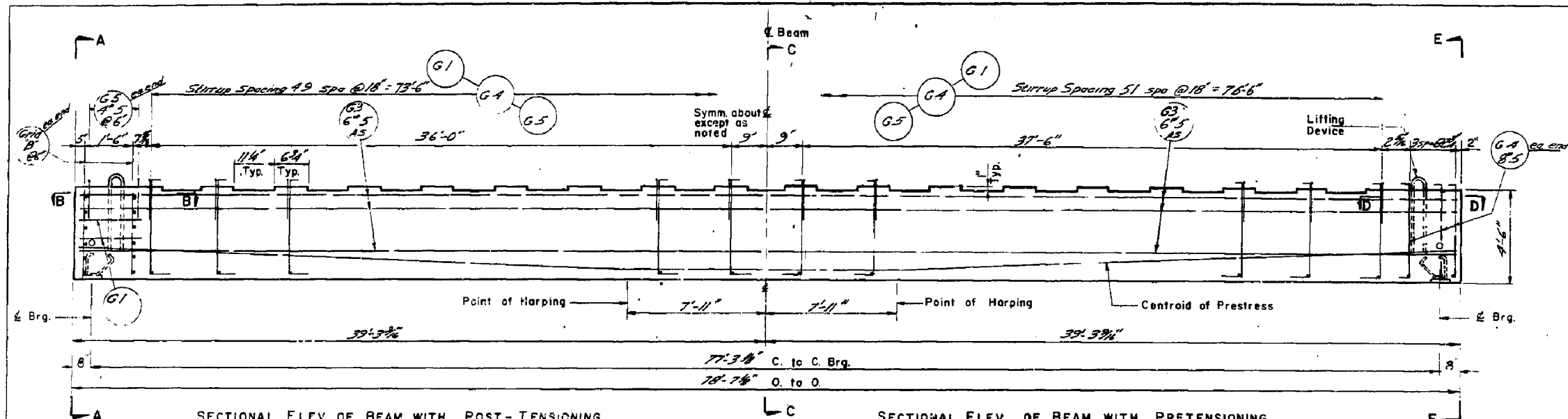
SECTION D-D END DETAILS WITH PRETENSIONING

UTAH STATE DEPARTMENT OF HIGHWAYS
 SALT LAKE CITY, UTAH
 STRUCTURES DIVISION
**ROUND BENT IN DEVILS SLIDE
 I-PON OVER X LINE & U.P.R.E.
 PRESTRESSED BEAM DETAILS "H"**

DESIGNED BY: J.M. CHECKED BY: J.E.W. PROJECT NUMBER: F-114-114
 DRAWN BY: J.M. CHECKED BY: J.E.W. QUANTITY: 12
 APPROVAL: J.M. LEADER: J.E.W. STATION: 13+00
 APPROVED: J.M. DATE: 12/18/65 BY: J.E.W. COUNTY: MOHAVE

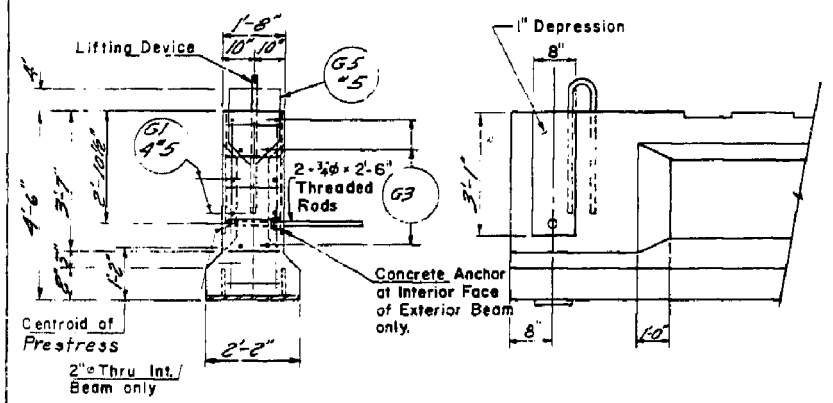
ORG: F-114 13 of 35

FOR INFORMATION ONLY

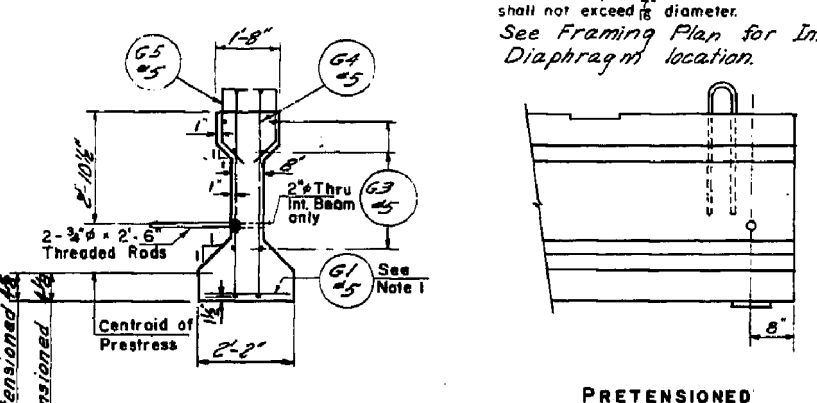


REINFORCING BAR SCHEDULE (PER BEAM)					
MARK	SIZE	LGTH	NO BARS	NO#	SKETCH
G1	5	1'-10"	60	58	
G2	5	4'-1"	0	24	
G3	5	4'-0"	12	12	
G4	5	6'-0"	120	100	
G5	5	5'-6"	56	62	
G6	5	1'-6"	0	72	

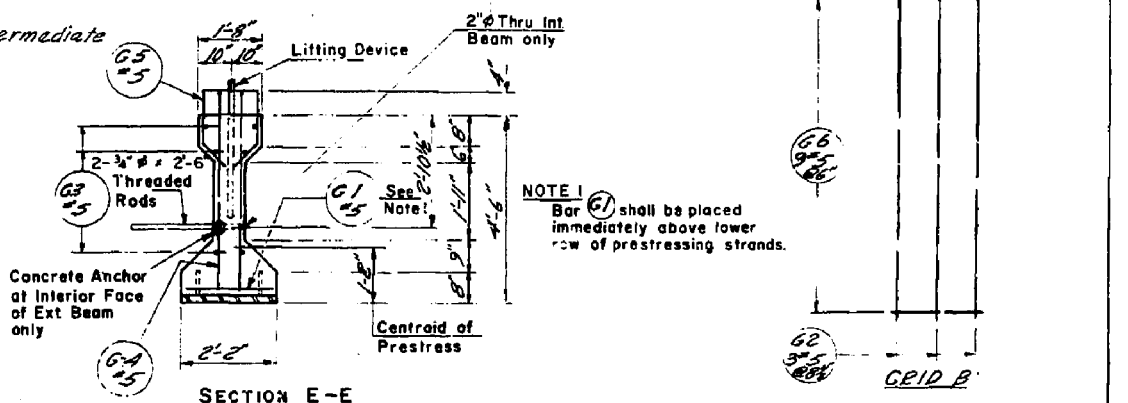
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 * With Post-Tensioning



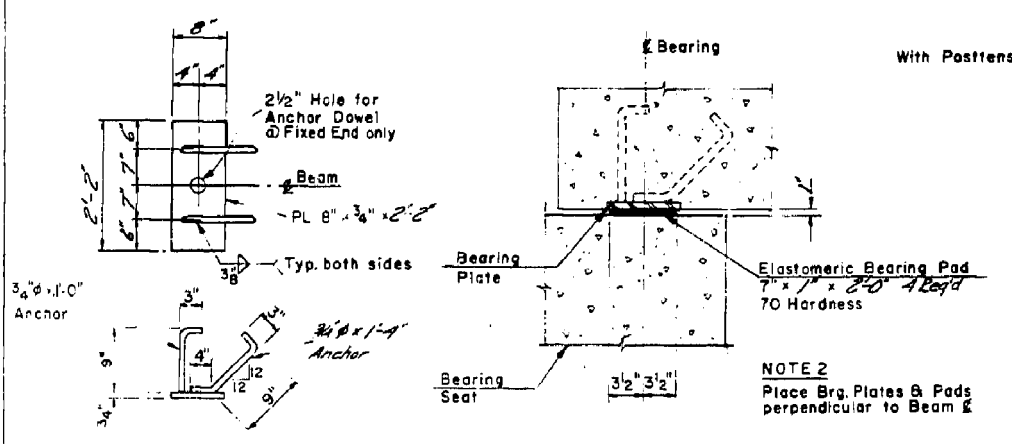
SECTION A-A WITH POST-TENSIONING
 POST-TENSIONED END-ELEVATION



SECTION C-C
 PRETENSIONED END-ELEVATION

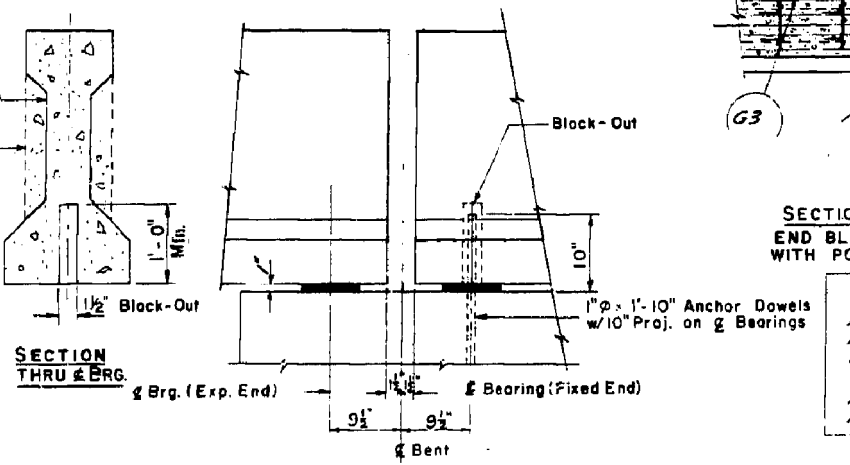


SECTION E-E WITH PRETENSIONING
 SECTION D-D END DETAILS WITH PRETENSIONING



BEARING PLATE DETAIL
 BEARING DETAIL

NOTE 2
 Place Brg. Plates & Pads perpendicular to Beam &



SECTION THRU & BRG.
 BEAM ANCHOR DETAILS

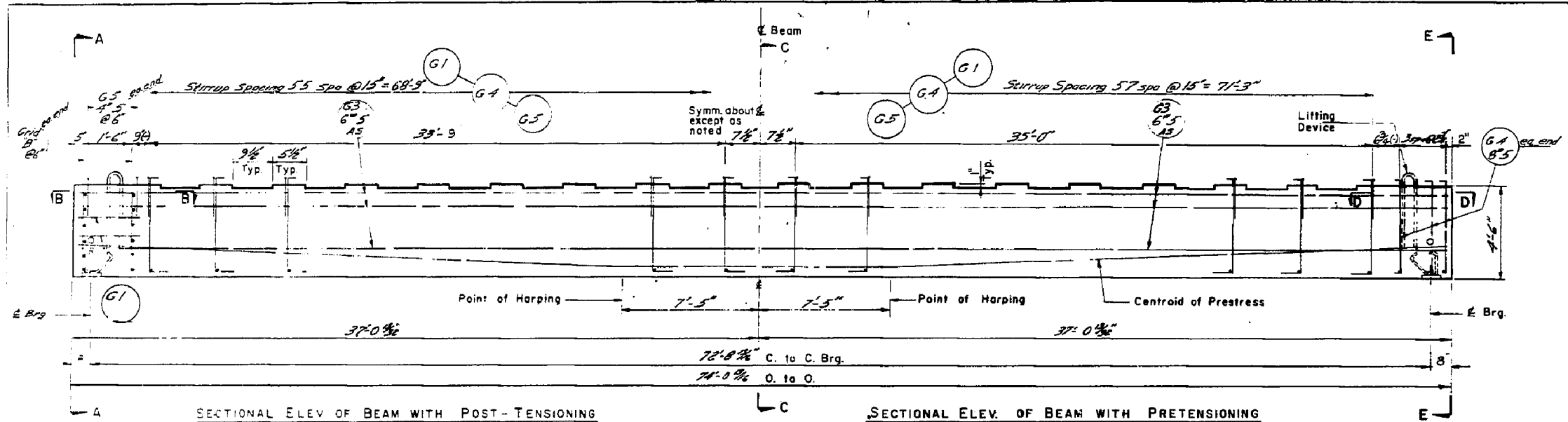
A.A.S.H.O. Type III Beam
 Final forces after losses
 Post-tensioned 710k.
 Pretensioned 615k.
 f'ci = 4000 psi
 1 Exterior Beam required
 1 Interior Beam required

UTAH STATE DEPARTMENT OF HIGHWAYS
 STRUCTURES DIVISION
**ROUND VALLEY DEWIS SLIDE
 BRIDGE OVER X LINE & U.P.R.R.
 PRESTRESSED BEAM DETAILS "J"**

DESIGNED BY: MW	CHECKED BY: JEW	DATE: 1-28-65
PROJECT NUMBER: 14-35	SECTION NUMBER: F-114	
APPROVED BY: [Signature]	DATE: Jan 28, 1965	BY: Morgan

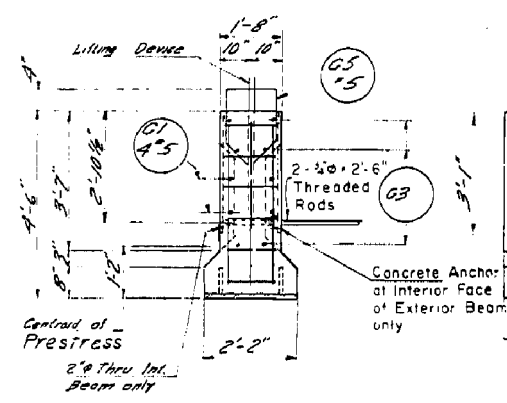
FOR INFORMATION ONLY

DDA, File ID: PWP/beam17233/F-1435/144/001/0001

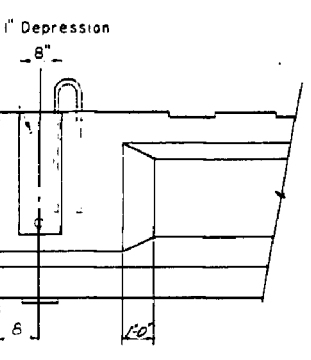


REINFORCING BAR SCHEDULE (PER BEAM)					
MARK	SIZE	L'GTH	NO BARS	NO*	SKETCH
G1	5	1'-10"	66	64	
G2	5	4'-1"	0	24	
G3	5	3'-8"	18	18	
G4	5	6'-0"	132	112	
G5	5	5'-6"	58	64	
G6	5	1'-6"	0	70	

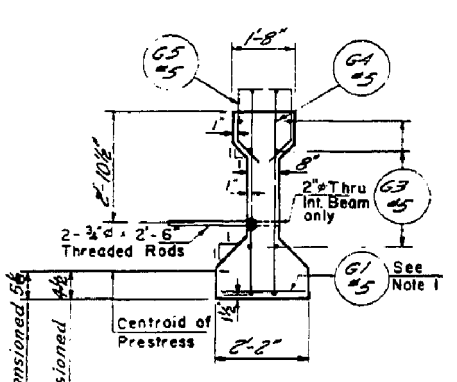
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 * With Post-Tensioning



SECTION A-A WITH POST TENSIONING

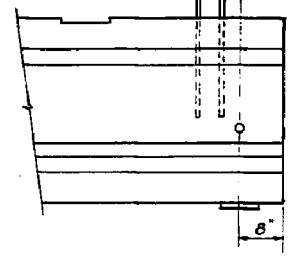


POST-TENSIONED END-ELEVATION

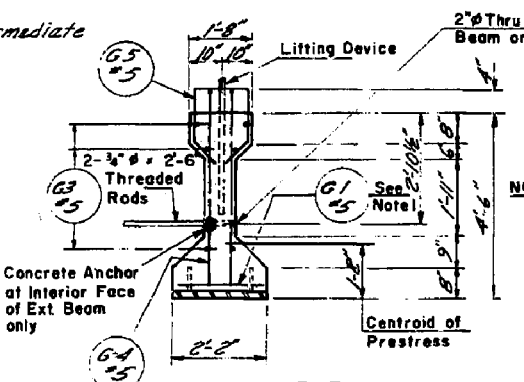


SECTION C-C

NOTE: Prestressing strand for pretensioned members shall not exceed $\frac{1}{8}$ diameter. See Framing Plan for Intermediate Diaphragm location.

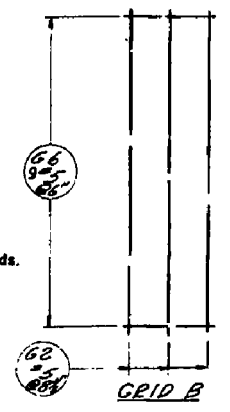


PRETENSIONED END-ELEVATION

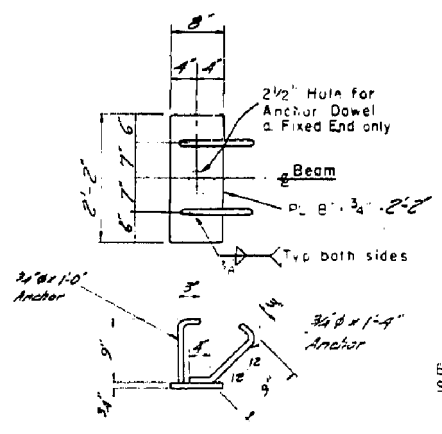


SECTION E-E WITH PRETENSIONING

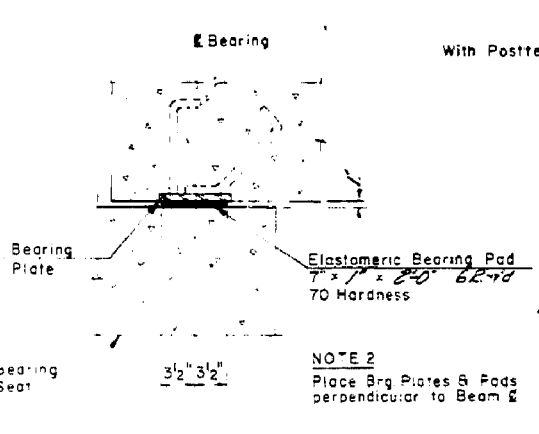
NOTE 1: Bar G1 shall be placed immediately above lower row of prestressing strands.



GRID B

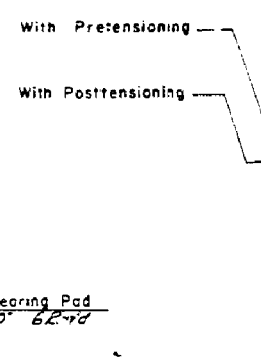


BEARING PLATE DETAIL



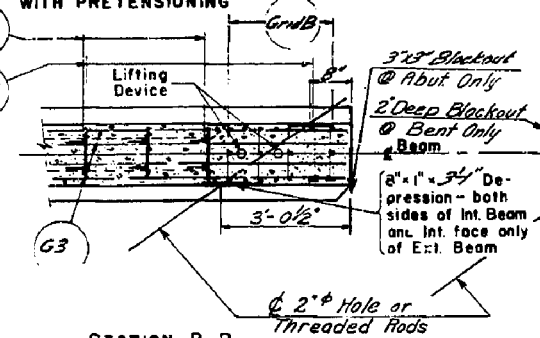
BEARING DETAIL

NOTE 2: Place Brg Plates & Pads perpendicular to Beam &

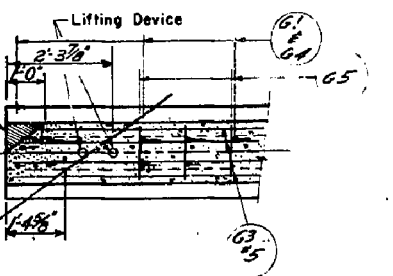


SECTION THRU BRG.

BEAM ANCHOR DETAILS



SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING

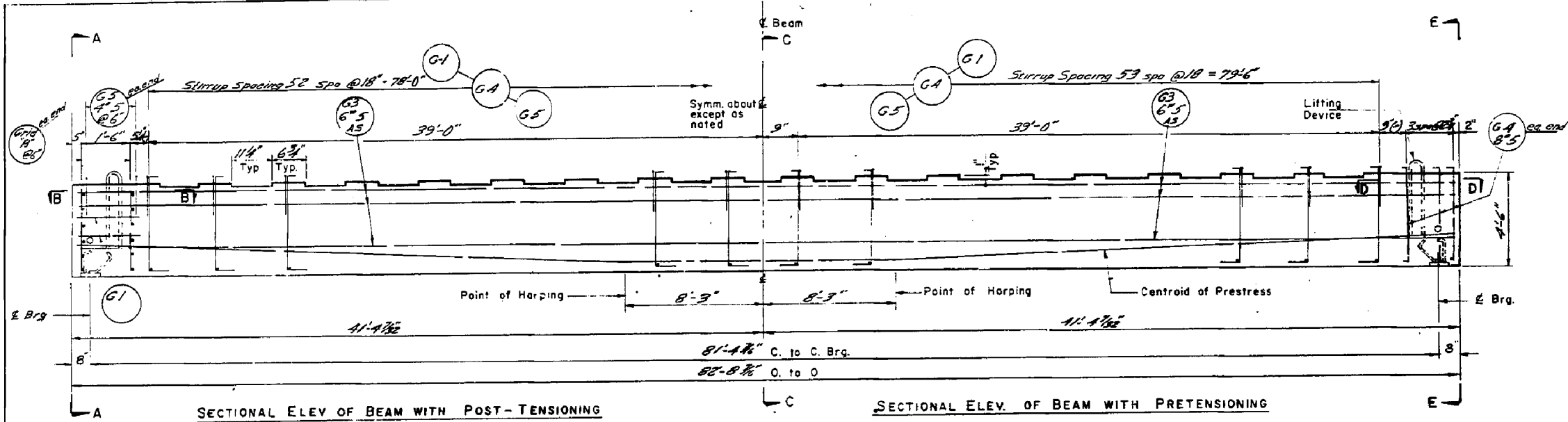


SECTION D-D END DETAILS WITH PRETENSIONING

A.A.S.H.O. Type IV Beam
 Final forces after losses:
 Post-tensioned - 770K
 Pretensioned - 670K
 f'ci = 4000 psi
 1 Exterior Beam required
 2 Interior Beams required

UTAH STATE DEPARTMENT OF HIGHWAYS			
STRUCTURES DIVISION			
BOUND VALLEY DEVI'S SLIDE			
I-BON OVER X LINE & I.P.R.R.			
PRESTRESSED BEAM DETAILS "X"			
DESIGNED BY: MW	CHECKED BY: JEM	DATE: 1-25-66	PROJECT NO: 1111
DRAWN BY: JEM	CHECKED BY: J.E.W.	DATE: 1-25-66	PROJECT NO: 1111
QUANTITIES BY: JEM	CHECKED BY: J.E.W.	DATE: 1-25-66	PROJECT NO: 1111
APPROVED BY: J.E.W.	DATE: 1-25-66	PROJECT NO: 1111	PROJECT NO: 1111

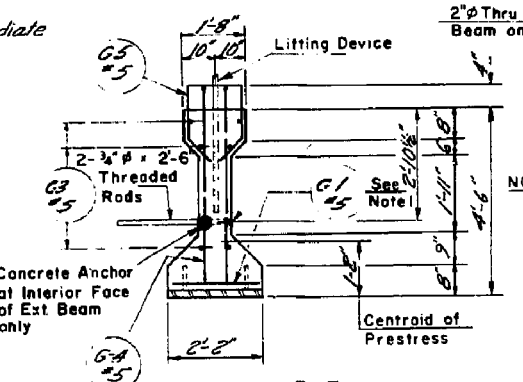
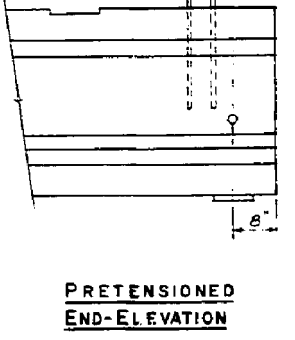
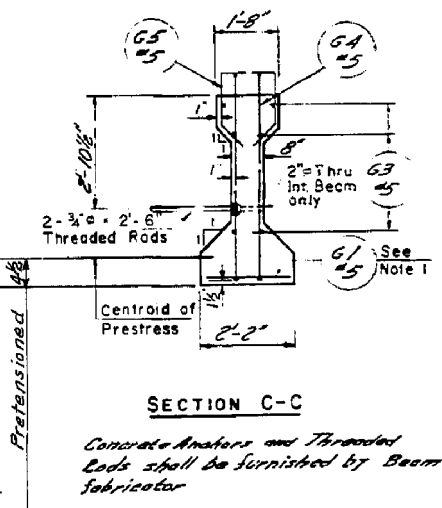
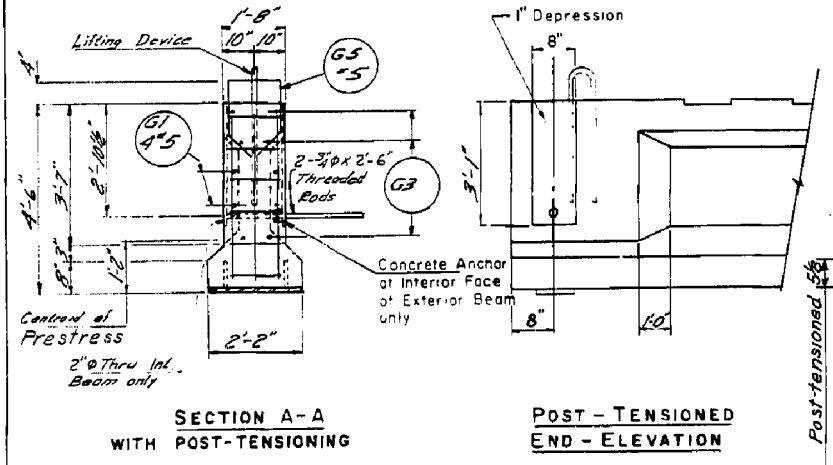
FOR INFORMATION ONLY



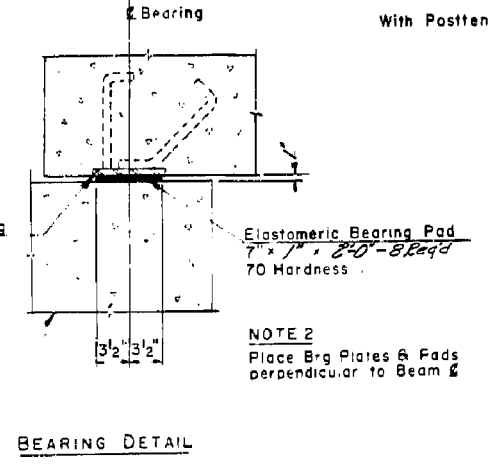
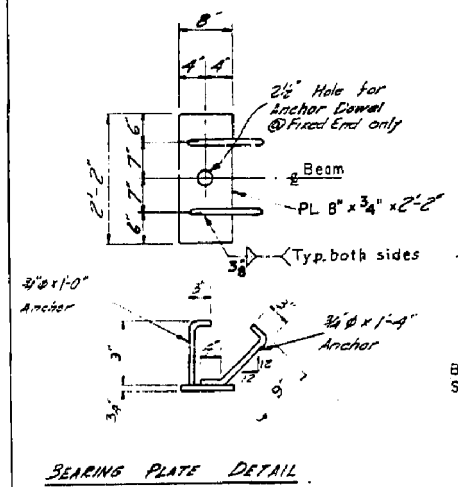
REINFORCING BAR SCHEDULE (PER BEAM)					
MARK NO	SIZE	L'GTH	NO BARS	NO*	SKETCH
G1	5	1'-10"	32	61	
G2	5	4'-1"	0	24	
G3	5	20'5"	18	18	
G4	5	6'-0"	124	106	
G5	5	5'-6"	54	61	
G6	5	1'-6"	0	72	

NOTE: Unless otherwise shown, all dimensions are out to out of bars
* With Post-Tensioning

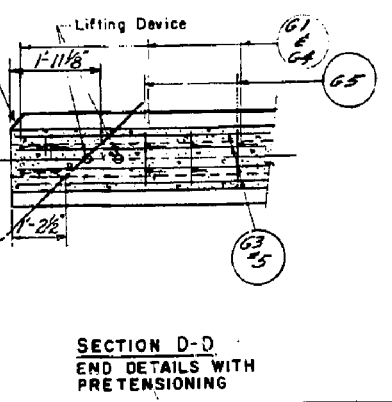
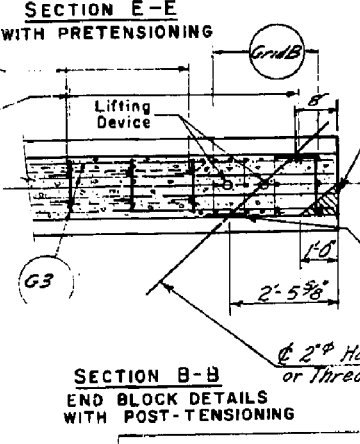
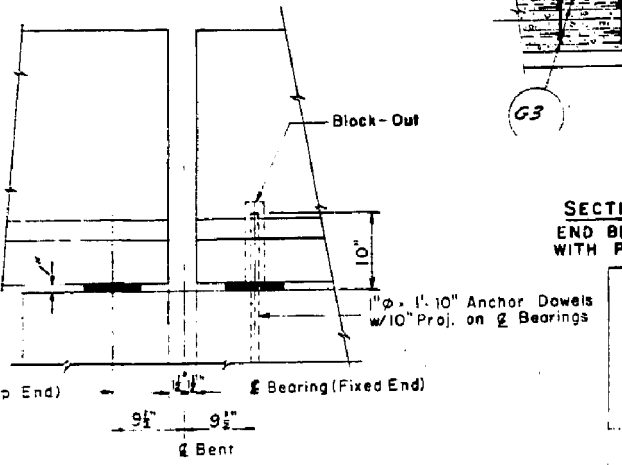
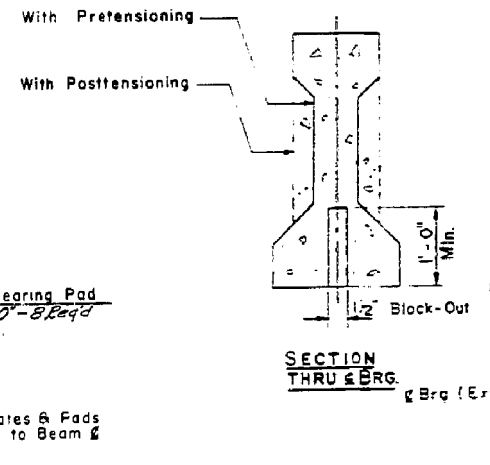
NOTE: Prestressing strand for pretensioned members shall not exceed $\frac{1}{8}$ diameter. See Framing Plan for Intermediate Diaphragm location.



NOTE 1: Bar G1 shall be placed immediately above lower row of prestressing strands.



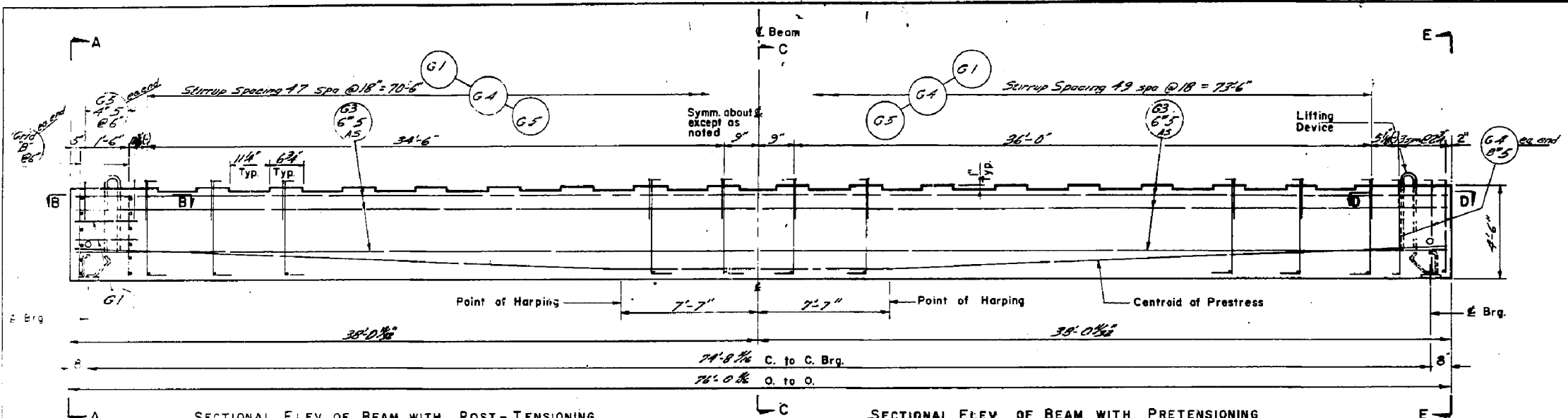
NOTE 2: Place Brg Plates & Pads perpendicular to Beam &



A.A.S.H.O Type II Beam
Final Forces after losses:
Post-tensionment - 780 k.
Pretensioned - 675 k.
f_c = 4000 psi
1 Exterior Beam required
3 Interior Beams required

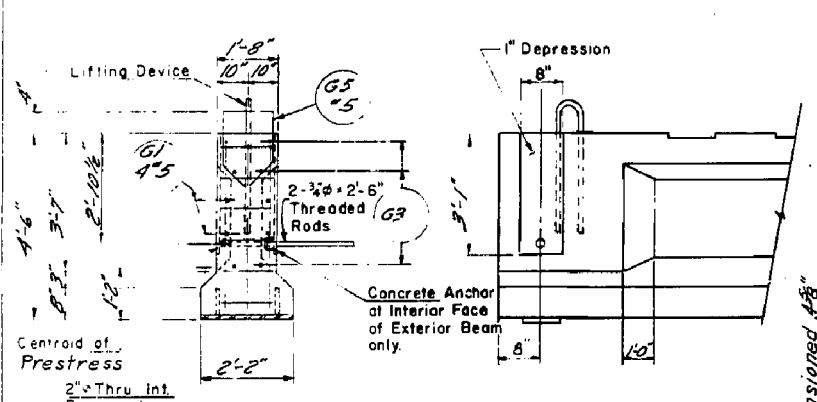
UTAH STATE DEPARTMENT OF HIGHWAYS			
STRUCTURES DIVISION			
ROUND VALLEY DEVIL'S SLIDE			
I-BON OVER X LINE & UPRR			
PRESTRESSED BEAM DETAILS 2"			
DESIGNED BY: MJJ	CHECKED BY: JE.W	DATE: 12/1/77	PROJECT: 15-20-400(2)
DRAWN BY: JFM	CHECKED BY: JE.W	DATE: 12/1/77	PROJECT: 15-20-400(2)
QUANTITIES: JFM	CHECKED BY: JE.W	DATE: 12/1/77	PROJECT: 15-20-400(2)
APPROVED: JFM	CHECKED BY: JE.W	DATE: 12/1/77	PROJECT: 15-20-400(2)
DATE: 12/1/77	BY: JFM	DATE: 12/1/77	PROJECT: 15-20-400(2)

FOR INFORMATION ONLY

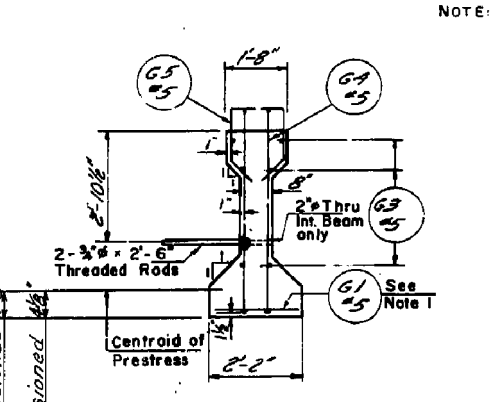


REINFORCING BAR SCHEDULE (PER BEAM)					
MARK	SIZE	LETH	NO BARS	NO BARS	SKETCH
G1	5	1-10	58	56	
G2	5	4-1	0	24	
G3	5	3-8	12	12	
G4	5	6-0	116	96	
G5	5	3-6	50	56	
G6	5	1-6	0	72	

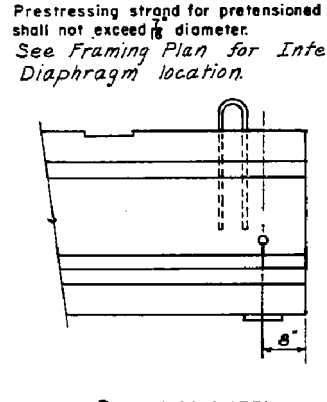
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 ● With Post-Tensioning



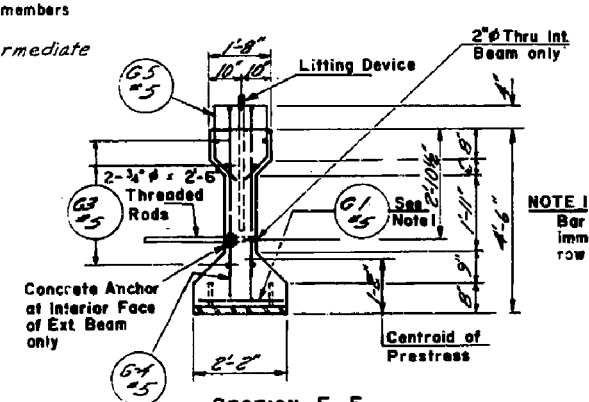
SECTION A-A WITH POST-TENSIONING



SECTION C-C

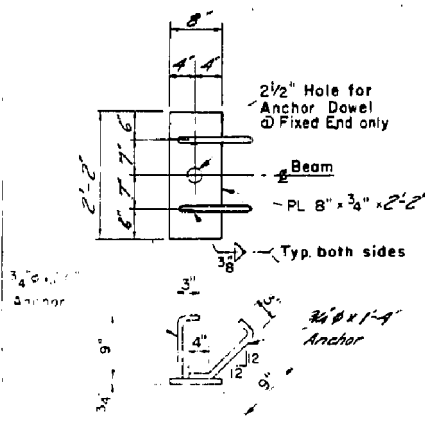


PRETENSIONED END-ELEVATION

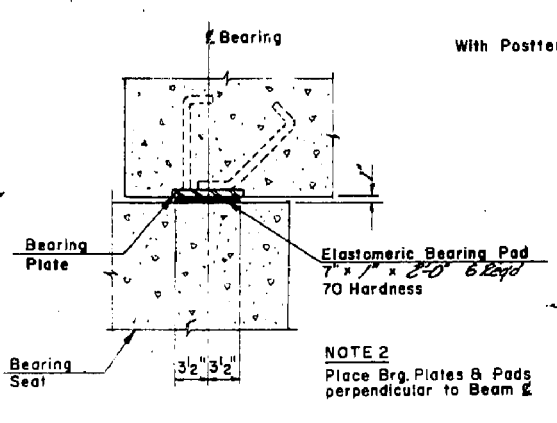


SECTION E-E WITH PRETENSIONING

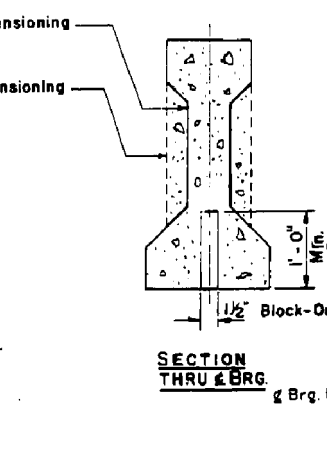
NOTE: Bar G1 shall be placed immediately above lower row of prestressing strands.



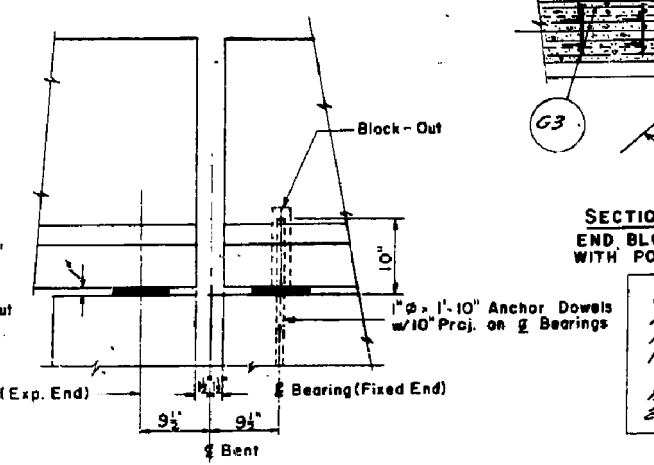
BEARING PLATE DETAIL



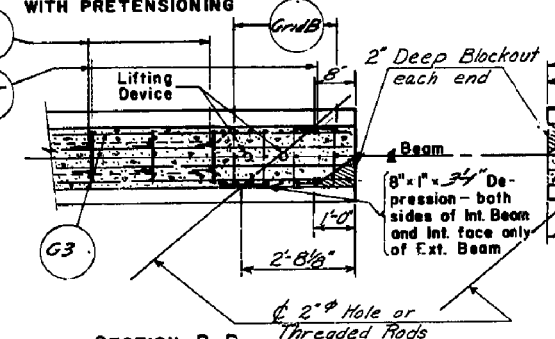
BEARING DETAIL



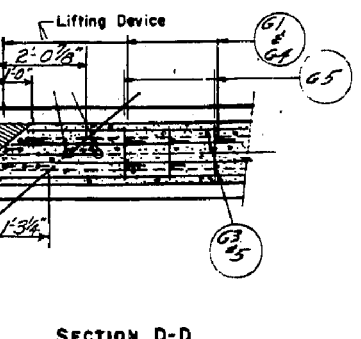
SECTION THRU BRG



BEAM ANCHOR DETAILS



SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING



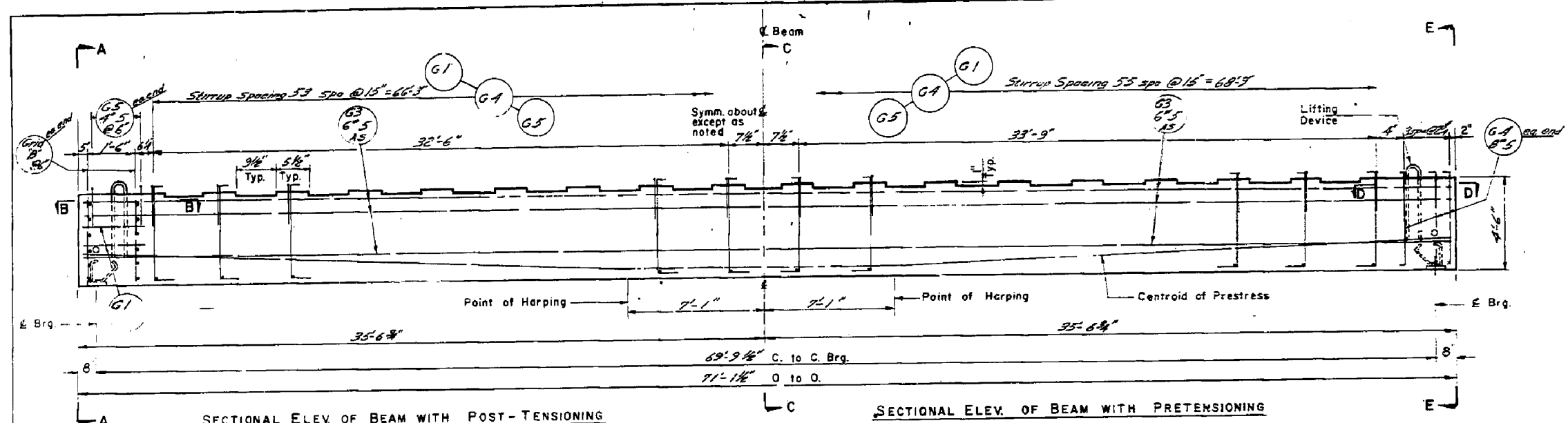
SECTION D-D END DETAILS WITH PRETENSIONING

A.A.S.H.O. Type II Beam
 Final forces after losses
 Prestressing Loss
 Prestension - 570k
 f_{cr} = 4000 psi
 1 Exterior Beam required
 2 Interior Beams required

UTAH STATE DEPARTMENT OF HIGHWAYS			
SALT LAKE CITY, UTAH			
STRUCTURES DIVISION			
ROUND VALLEY DEVIAS SLIDE			
7-80M OVER 'X' LINE & UPPER			
PRESTRESSED BEAM DETAILS 'M'			
DESIGNED BY: M.W.	CHECKED BY: J.E.W.	PROJECT NUMBER: 570-100-1(12)11	
DRAWN BY: J.E.W.	CHECKED BY: J.E.W.	DATE: 11/1/62	
QUALIFIED BY: J.E.W.	CHECKED BY: J.E.W.	GROUP LEADER: J.E.W.	
APPROVAL: J.E.W.	DATE: 11/1/62	LEADER: J.E.W.	
APPROVED BY: J.E.W.	DATE: 11/1/62	COUNTY: MORGAN	

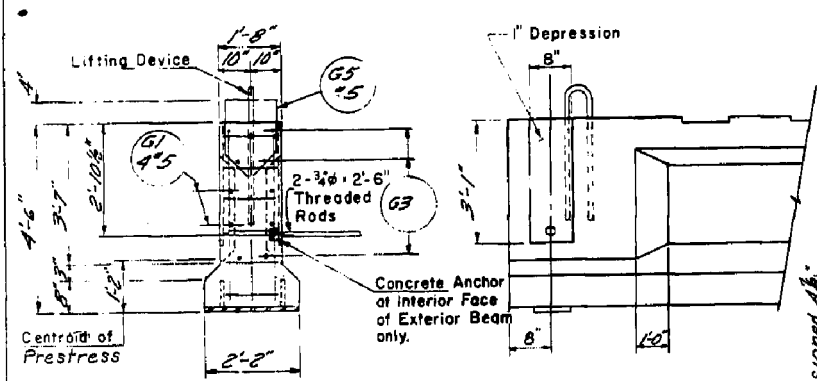
NO.	BY	DATE	REVISIONS	REMARKS

FOR INFORMATION ONLY

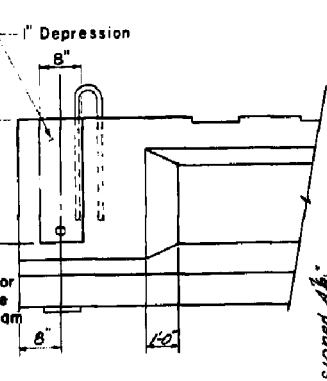


REINFORCING BAR SCHEDULE (PER BEAM)					
MARK	SIZE	L'GTH	NO BARS	NO*	SKETCH
G1	5	1-10	64	62	
G2	5	4-10	0	2A	
G3	5	3-6	12	18	
G4	5	6-0	100	100	
G5	5	5-6	56	62	
G6	5	1-6	0	72	

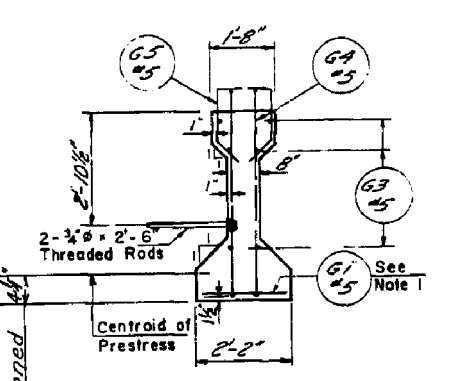
NOTE: Unless otherwise shown, all dimensions are cut to out of bars
 *With Post-Tensioning



SECTION A-A WITH POST-TENSIONING

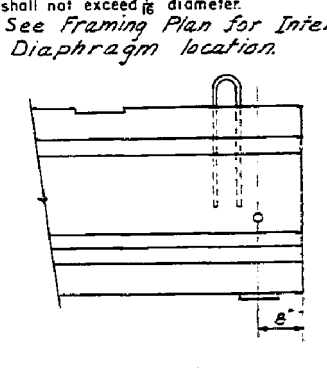


POST-TENSIONED END-ELEVATION

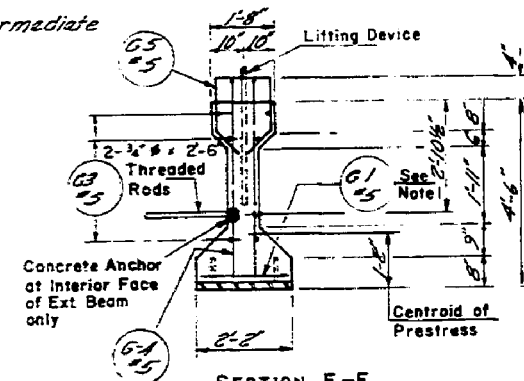


SECTION C-C

Concrete Anchors and Threaded Rods shall be furnished by Beam Fabricator

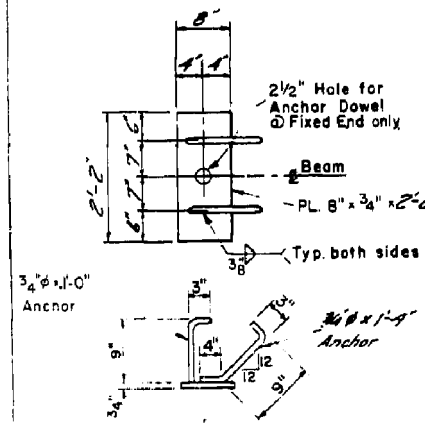


PRETENSIONED END-ELEVATION

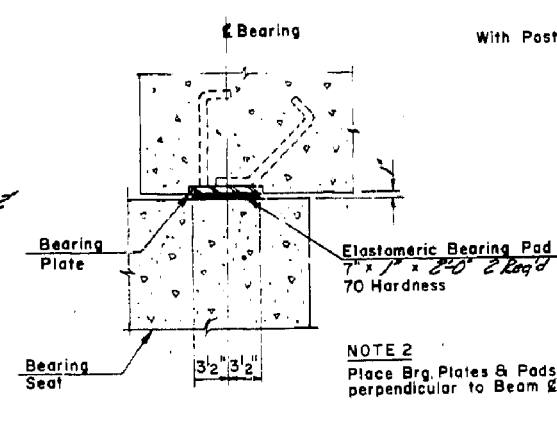


SECTION E-E WITH PRETENSIONING

NOTE: Bar G1 shall be placed immediately above lower row of prestressing strands.

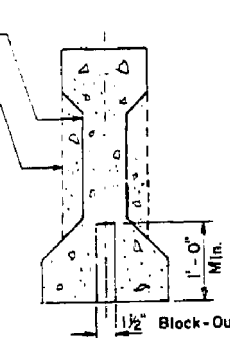


BEARING PLATE DETAIL

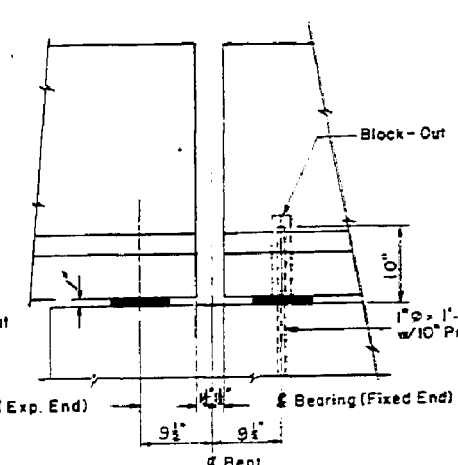


BEARING DETAIL

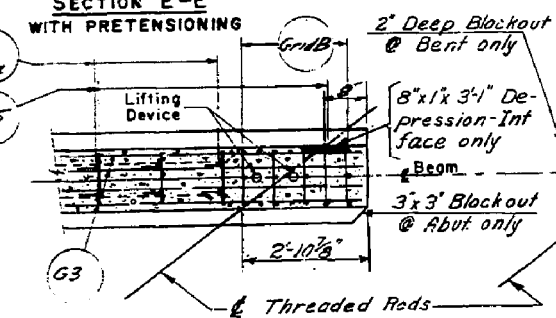
NOTE 2: Place Brg. Plates & Pads perpendicular to Beam &



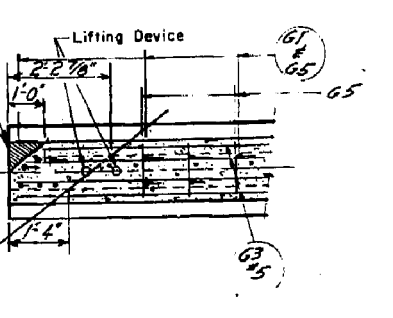
SECTION THRU BRG.



BEAM ANCHOR DETAILS



SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING

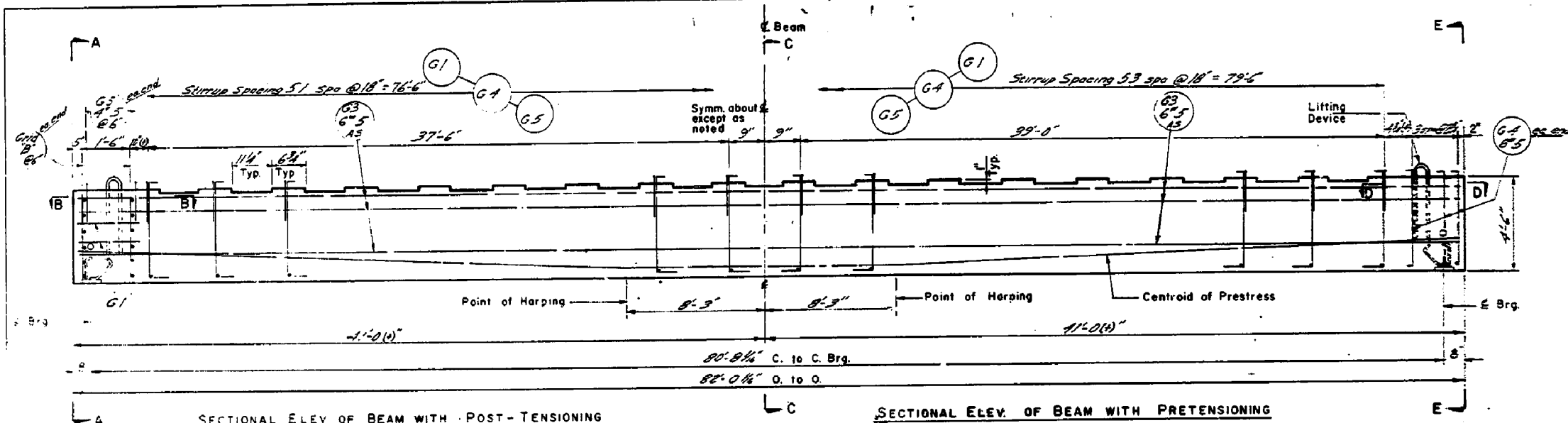


SECTION D-D END DETAILS WITH PRETENSIONING

A.A.S.H.O. Type IV Beam
 Final Forces after Losses
 Posttension = 705 K.
 Prestension = 607 K.
 for 4000 psi
 1 Exterior Beam required

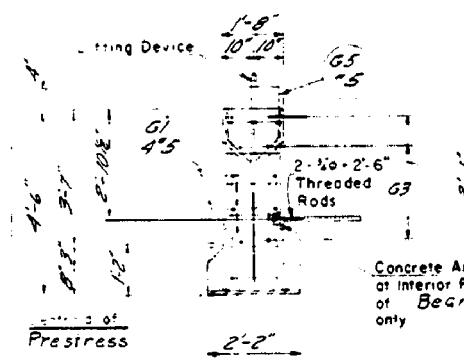
UTAH STATE DEPARTMENT OF HIGHWAYS			
STRUCTURES DIVISION			
FOUND VALLET DEVIS SLIDE			
I-BON OVER 'X' LINE & U.P.R.R.			
PRESTRESSED BEAM DETAILS 'N'			
DESIGNED BY: MW	CHECKED BY: J.E.W.	DATE: 11-1-65	SCALE: AS SHOWN
DRAWN BY: JFM	CHECKED BY: J.E.W.	DATE: 11-1-65	SCALE: AS SHOWN
APPROVED BY: J.E.W.	DATE: 11-1-65	SCALE: AS SHOWN	NO. OF SHEETS: 18 OF 35

FOR INFORMATION ONLY

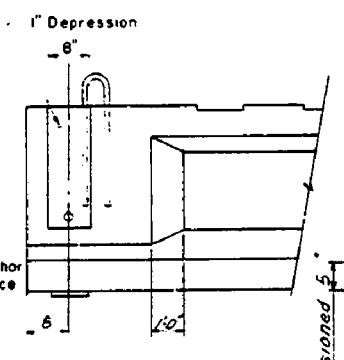


MARK	SIZE	L'GTH	NO BARS	NO ² BARS	SKETCH
G1	5	1-10	62	60	
G2	5	4	0	24	
G3	5	2-8	18	18	
G4	5	6-0	124	104	
G5	5	5-6	54	60	
G6	5	1-6	0	72	

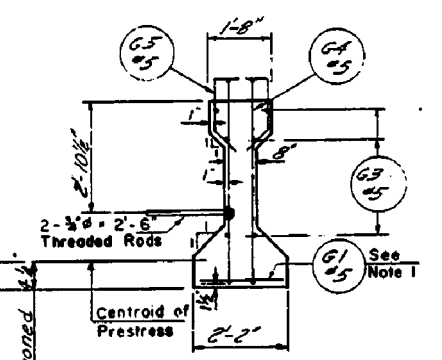
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 ● With Post-Tensioning



SECTION A-A WITH POST-TENSIONING

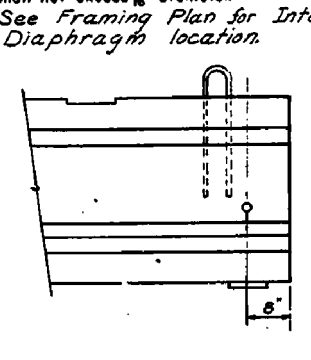


POST-TENSIONED END-ELEVATION

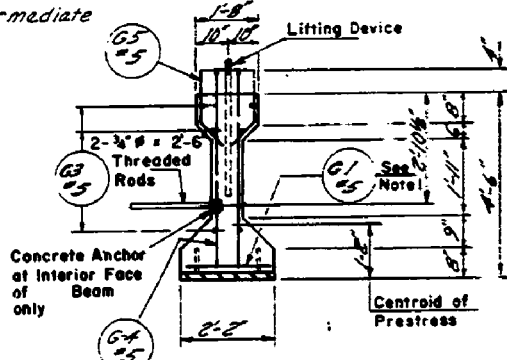


SECTION C-C

Concrete Anchors and Threaded Rods shall be furnished by Beam fabricator

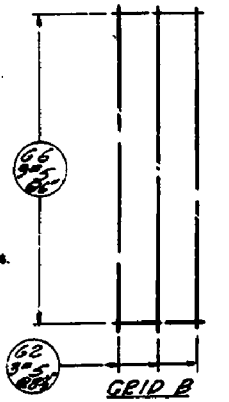


PRETENSIONED END-ELEVATION

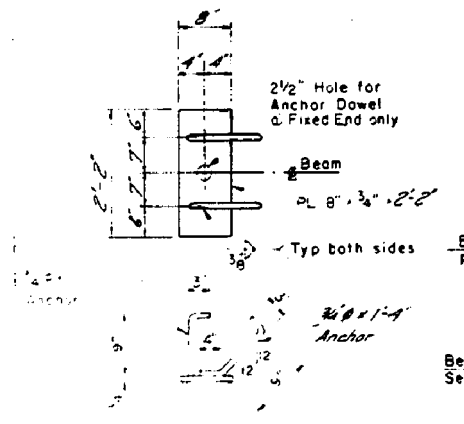


SECTION E-E WITH PRETENSIONING

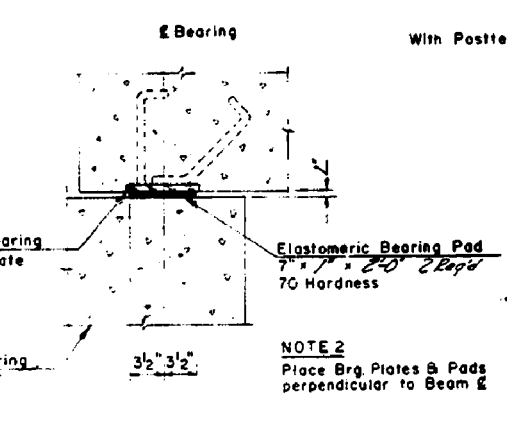
NOTE: Bar G7 shall be placed immediately above lower row of prestressing strands.



GRID B

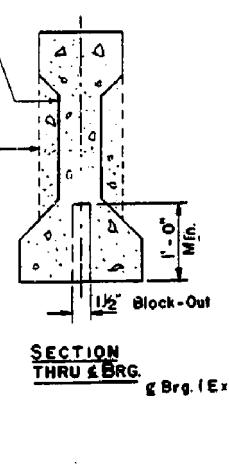


BEARING PLATE DETAIL

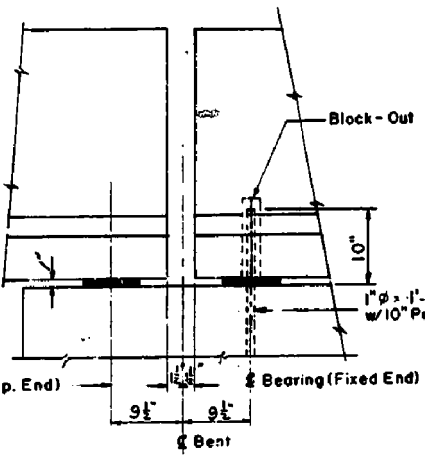


BEARING DETAIL

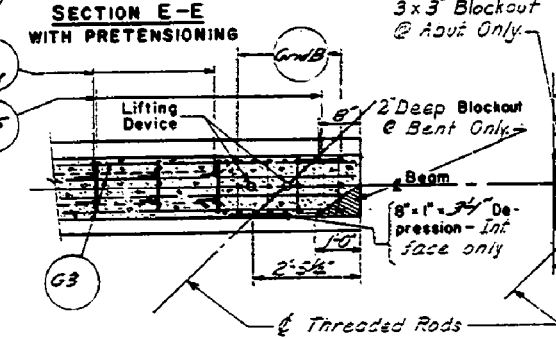
NOTE 2: Place Brg. Plates & Pads perpendicular to Beam &



SECTION THROUGH BRG.



BEAM ANCHOR DETAILS



SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING

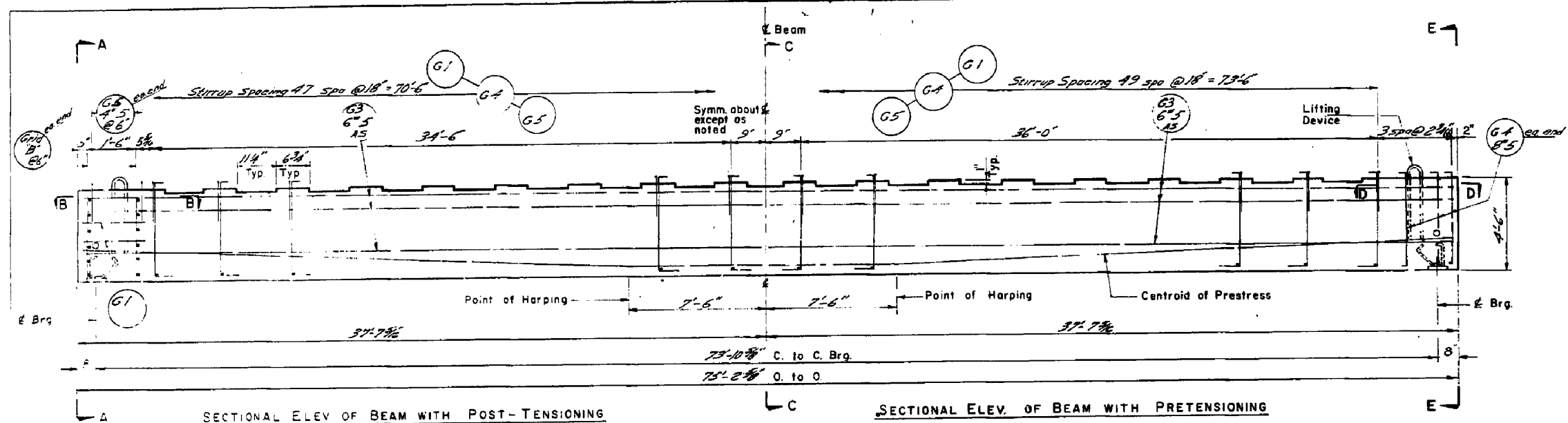
A.A.S.H.O. Type II Beam
 Final Forces after Loss of Prestressing = 78.5 k
 Prestressing = 624 k
 1/2" - 4000psi
 1 Exterior Beam required

UTAH STATE DEPARTMENT OF HIGHWAYS
 SALT LAKE CITY, UTAH
 STRUCTURES DIVISION
ROUND VALLEY DEVIL'S SLIDE
FROM OVER X LINE & U.A.R.R.
PRESTRESSED BEAM DETAILS

DESIGNED BY: J.M. CHECKED BY: J.E.W.
 DRAWN BY: J.M. CHECKED BY: J.E.W.
 APPROVED BY: J.M. DATE: 11/28/65
 COUNTY: MOHAWK

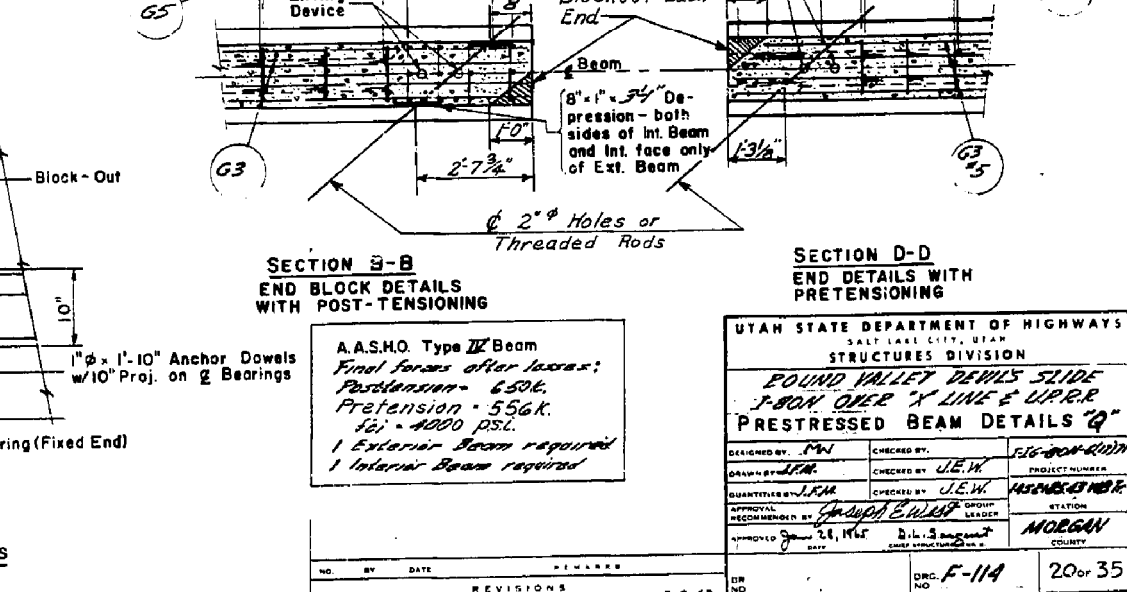
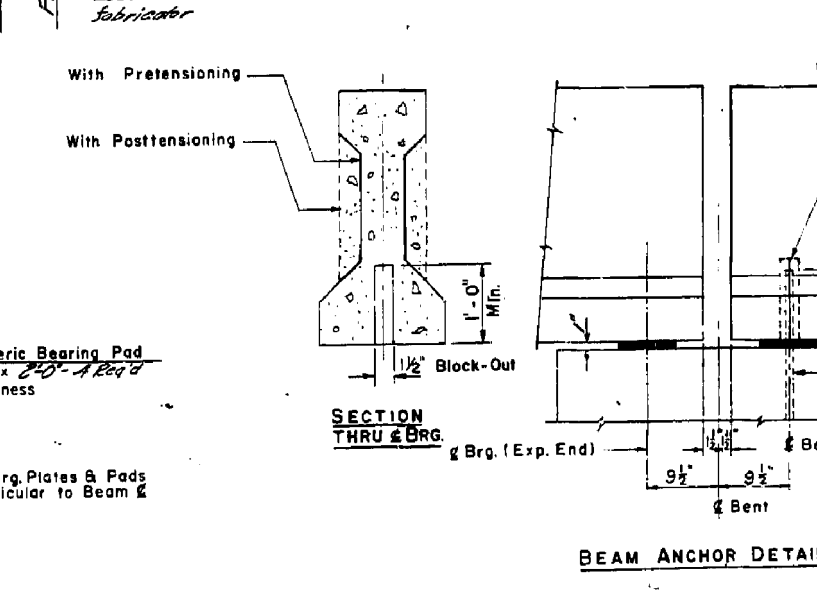
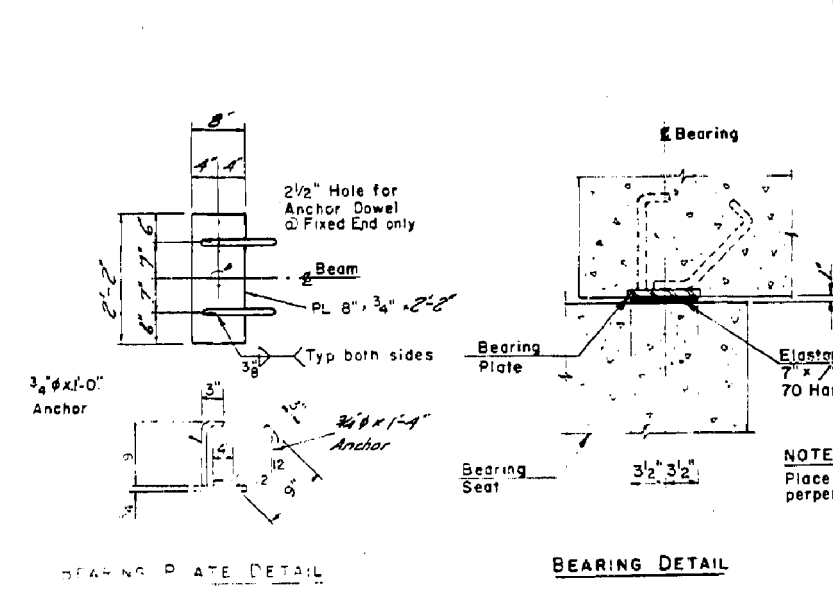
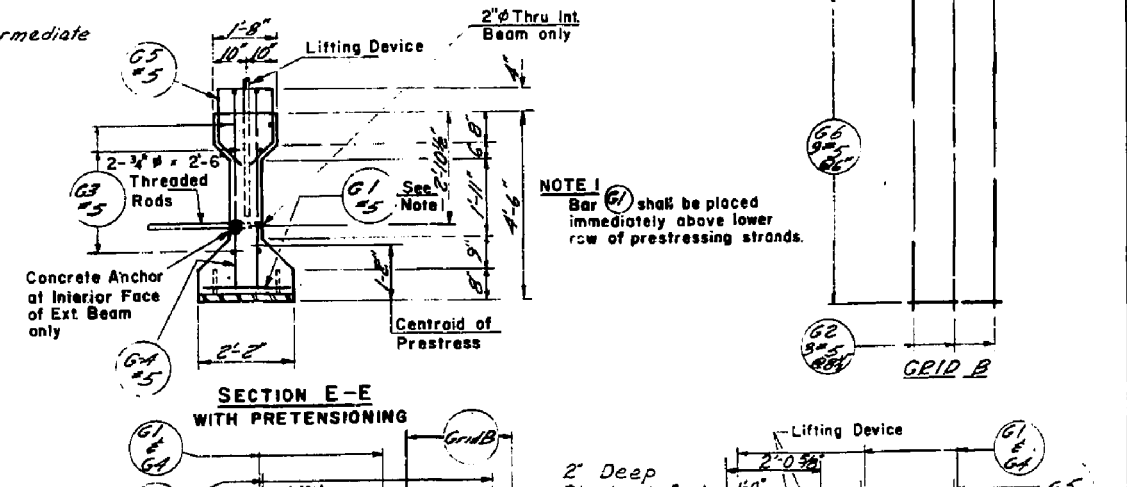
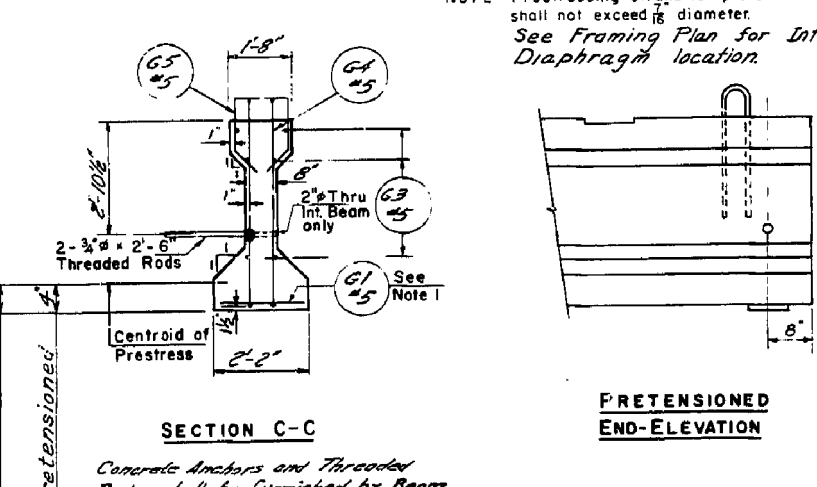
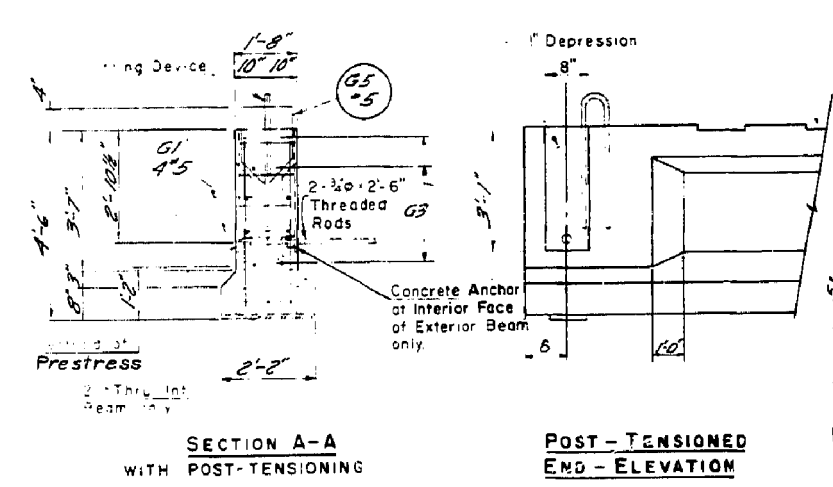
1 JAN 25 1966
 REVISIONS: 1-8-63
 SHEET: F-114 19 OF 35

FOR INFORMATION ONLY



REINFORCING BAR SCHEDULE (PER BEAM)					
MARK	SIZE	L'GTH	NO BARS	NO #	SKETCH
G1	5	1'-10"	56	56	
G2	5	4'-1"	0	8A	
G3	5	3'-2"	12	12	
G4	5	6'-0"	118	96	
G5	5	5'-6"	50	56	
G6	5	1'-6"	0	72	

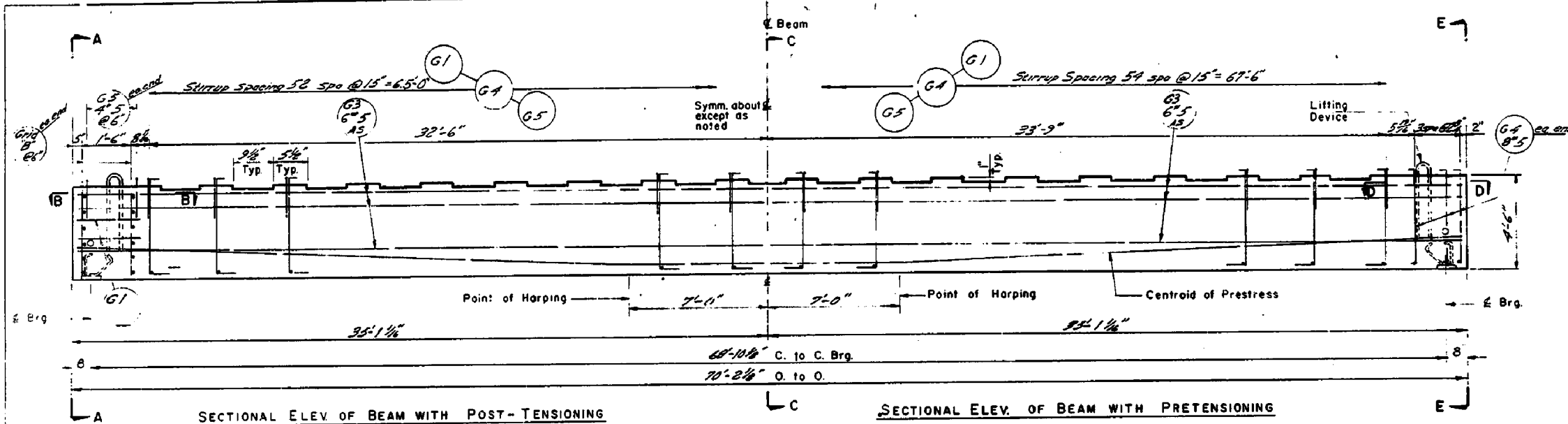
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 * With Post-Tensioning



A.A.S.H.O. Type II Beam
 Final forces after losses:
 Post-tensioning - 650k.
 Prestressing - 556k.
 f_c = 4800 psi.
 1 Exterior Beam required
 1 Interior Beam required

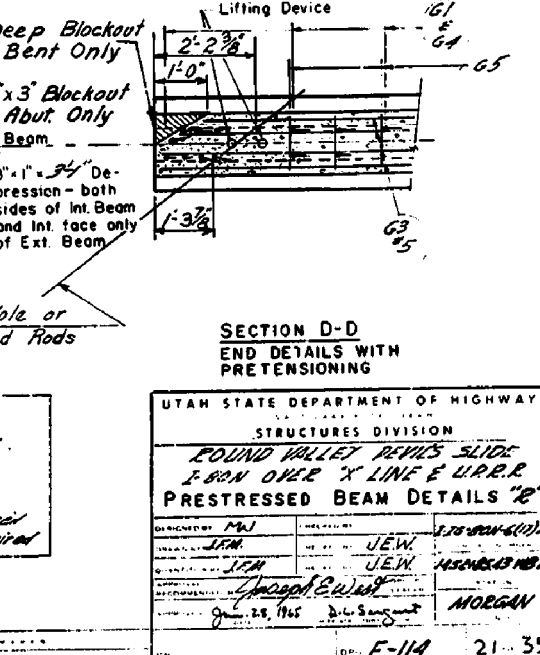
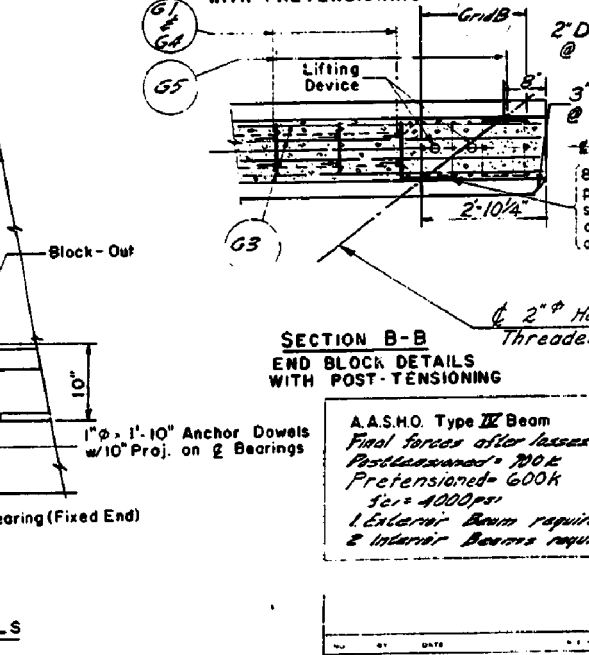
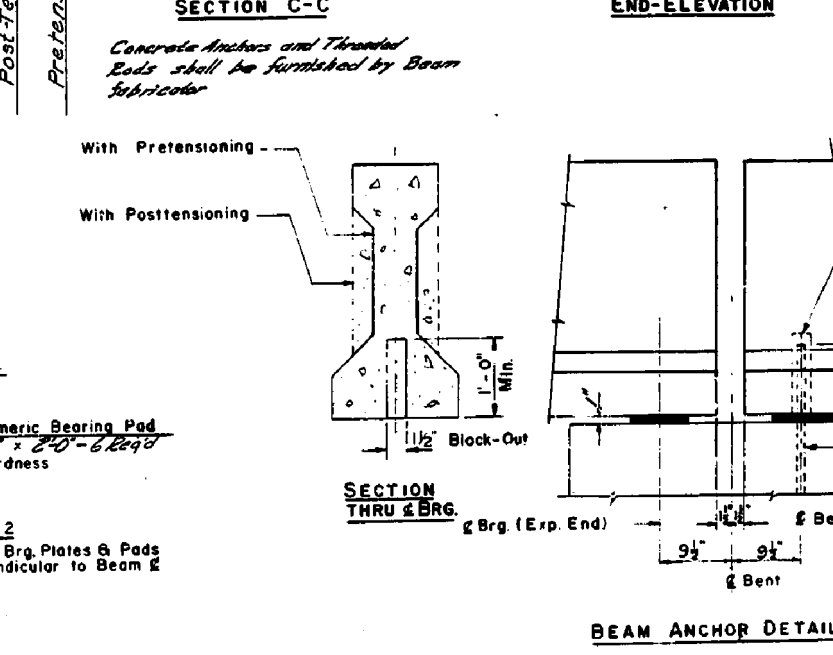
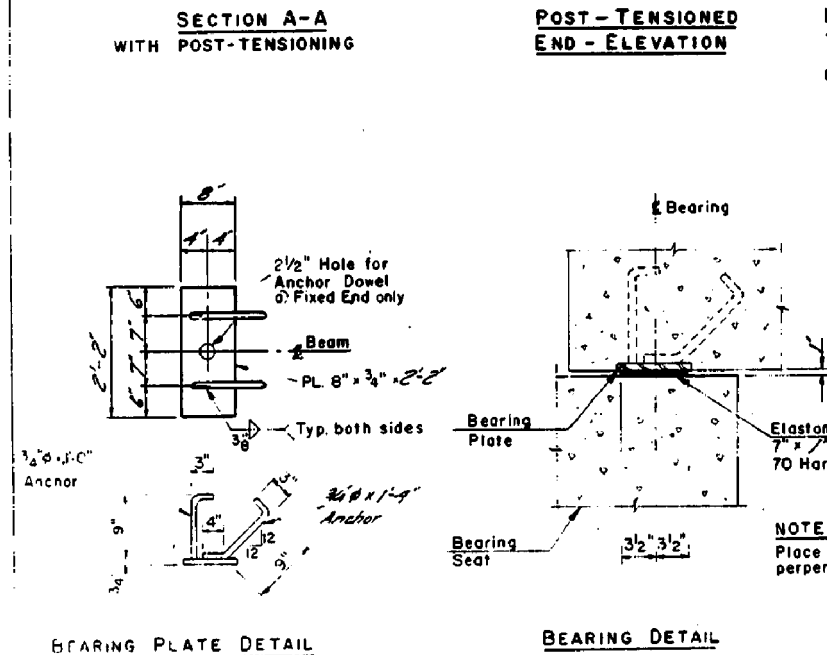
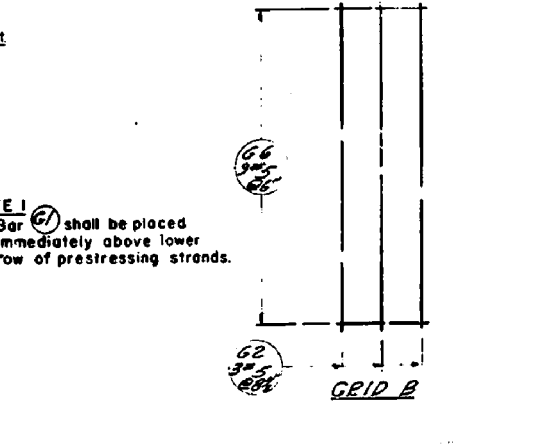
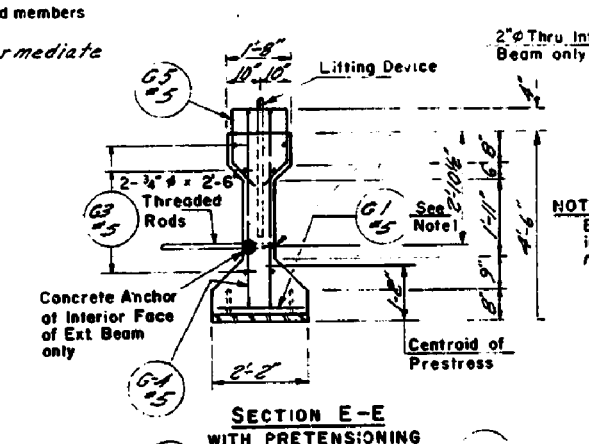
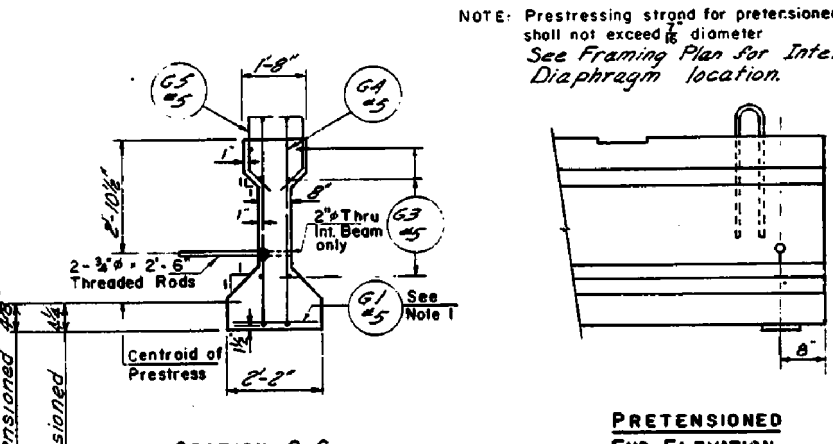
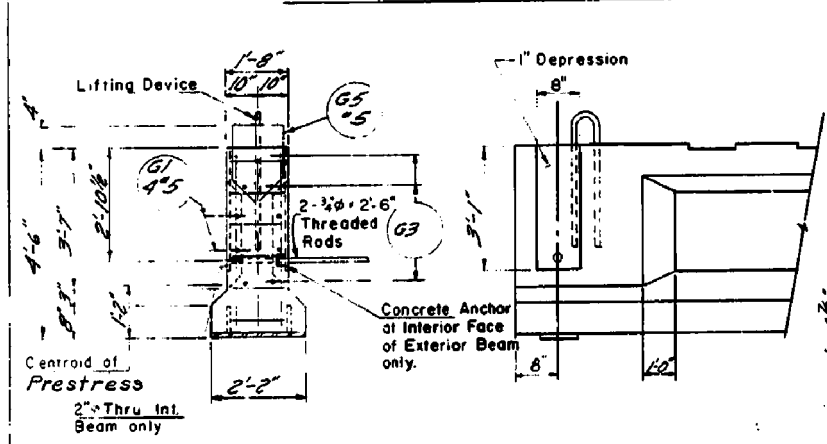
UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
BOUND VALLEY DEBRIS SLIDE 3-BON OVER 'X' LINE & U.P.R.R. PRESTRESSED BEAM DETAILS "Q"			
DESIGNED BY: J.M.W.	CHECKED BY: J.E.W.	PROJECT NUMBER:	FIG. 100-1010
DRAWN BY: J.M.W.	CHECKED BY: J.E.W.	DATE: 11/28/68	SCALE: AS SHOWN
APPROVED BY: J.M.W.	CHECKED BY: J.E.W.	STATION:	NO. 20 OF 35
APPROVED BY: J.M.W.		DATE: 11/28/68	DR. F-114

FOR INFORMATION ONLY



REINFORCING BAR SCHEDULE (PER BEAM)					
MARK NO	SIZE	L'GTH	NO BARS	NO #	SKETCH
G1	5	1'-10"	69	61	
G2	5	4'-1"	0	24	
G3	5	35'-8"	12	12	
G4	5	6'-0"	126	106	
G5	5	5'-6"	55	61	
G6	5	1'-6"	0	72	

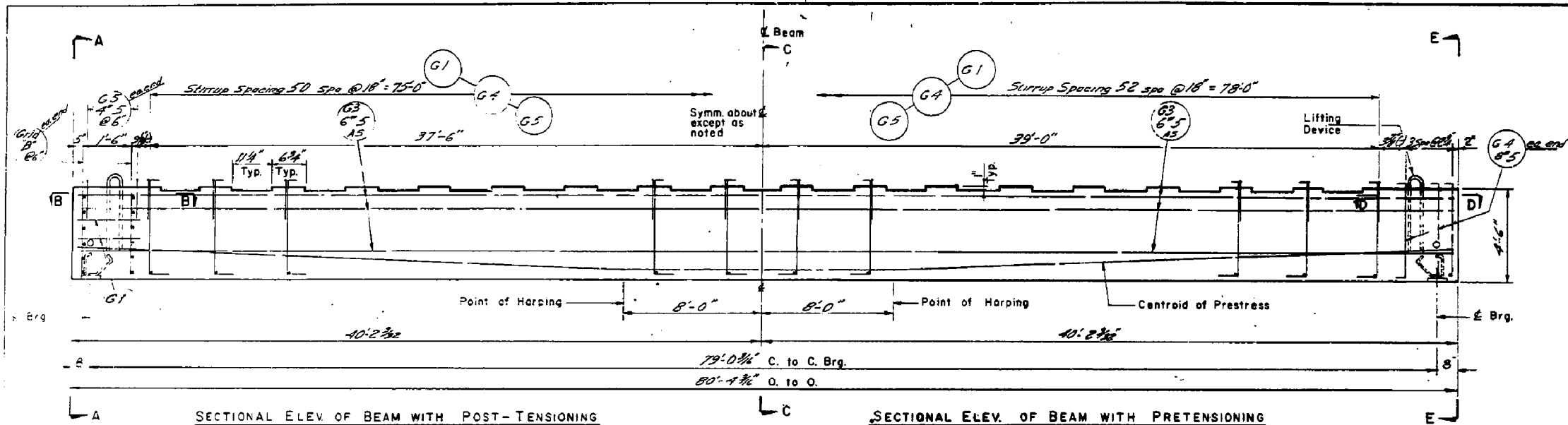
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 # With Post-Tensioning



A.A.S.H.O. Type II Beam
 Final forces after losses
 Prestress = 190 k
 Prestensioned = 600 k
 f_c = 4000 psi
 1 Exterior Beam required
 2 Interior Beams required

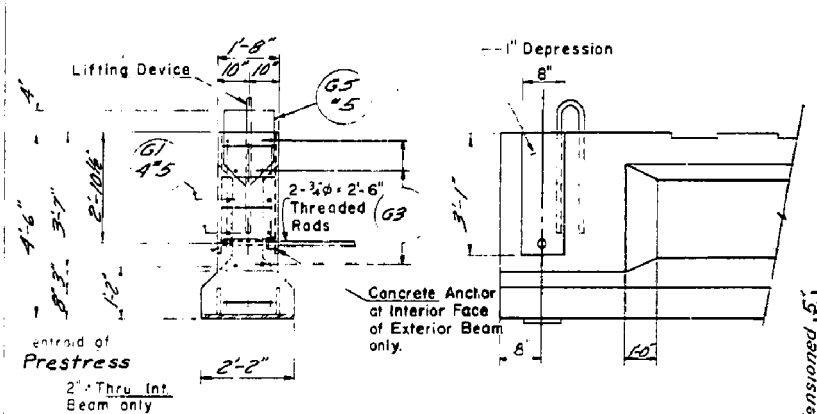
UTAH STATE DEPARTMENT OF HIGHWAYS			
STRUCTURES DIVISION			
FOUND VALLEY DEVI'S SLIDE			
2-BRM OVER 'X' LINE & U.R.R.			
PRESTRESSED BEAM DETAILS '12'			
DESIGNED BY	CHECKED BY	DATE	SCALE
JAM	JEW	1/28/66	AS SHOWN
JAM	JEW	1/28/66	AS SHOWN
JAM	JEW	1/28/66	AS SHOWN
JAM	JEW	1/28/66	AS SHOWN
APPROVED BY			MORGAN
DATE			1/28/66
SCALE			AS SHOWN
PROJECT NO.			F-114
SHEET NO.			21-35

FOR INFORMATION ONLY

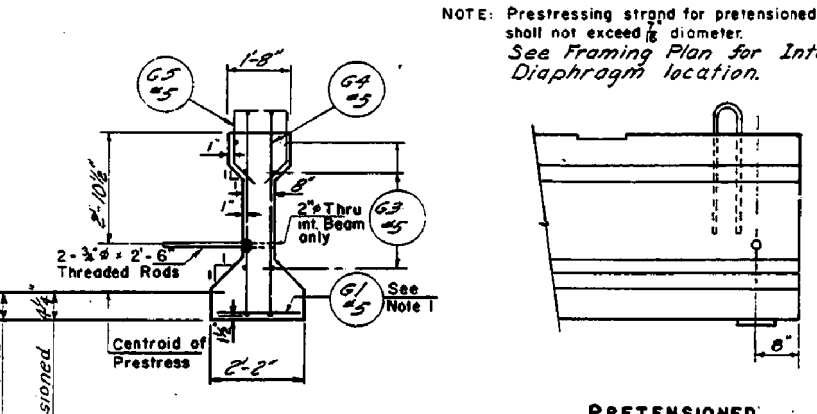


REINFORCING BAR SCHEDULE (PER BEAM)					
MARK NO	SIZE	L'GTH	NO BARS	NO #	SKETCH
G1	5	1-10	61	59	
G2	5	4-1	0	2A	
G3	5	2-18	18	18	
G4	5	6'-0	122	102	
G5	5	5'-6	53	59	
G6	5	1-6	0	7E	

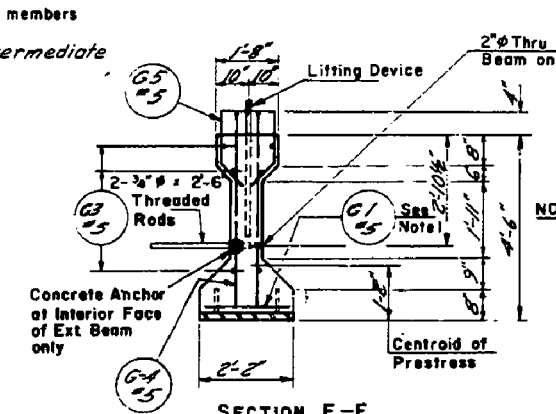
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 * With Post-Tensioning



SECTION A-A WITH POST-TENSIONING
 POST-TENSIONED END-ELEVATION

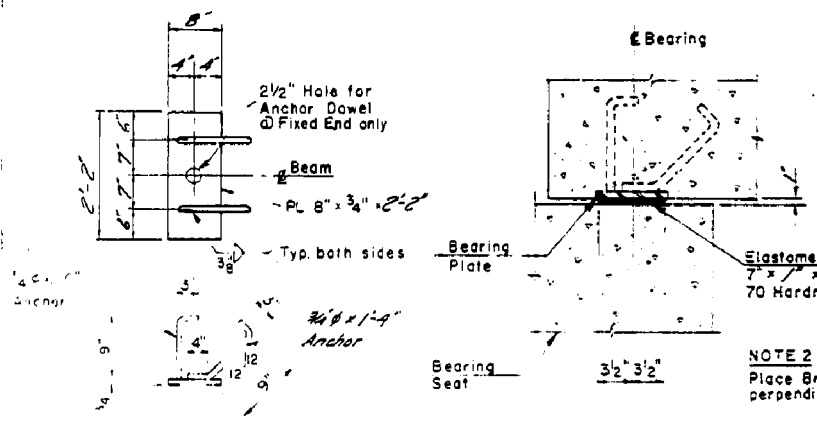


SECTION C-C
 PRETENSIONED END-ELEVATION

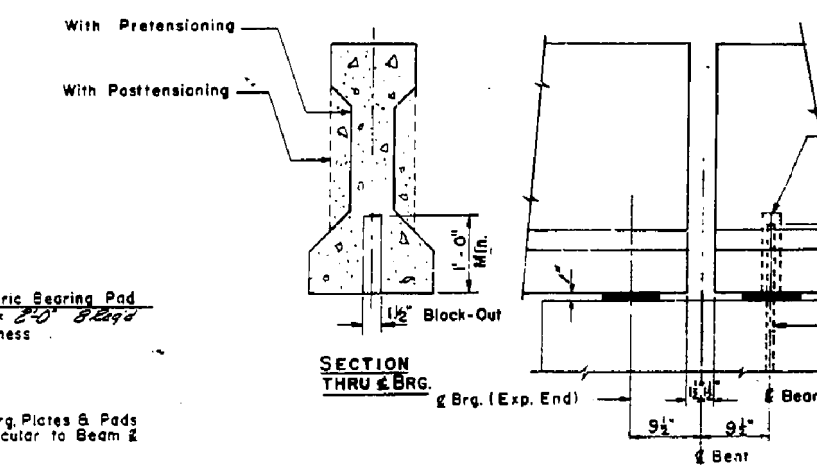


SECTION E-E WITH PRETENSIONING

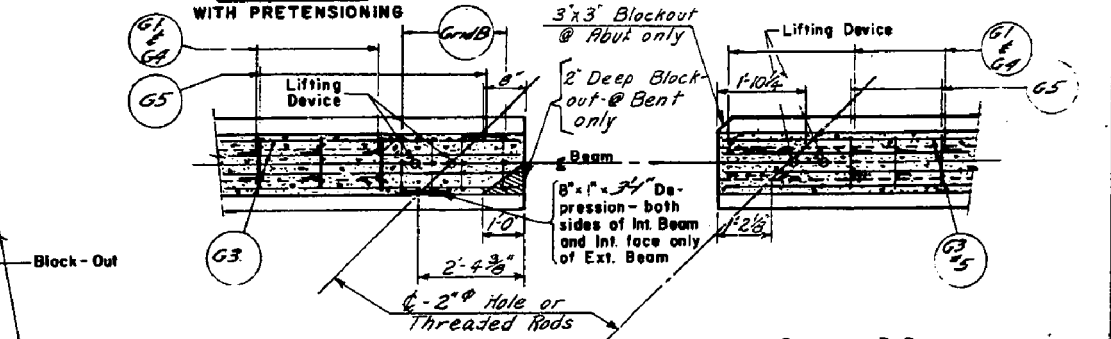
NOTE: Bar (E) shall be placed immediately above lower row of prestressing strands.



BEARING PLATE DETAIL
 BEARING DETAIL



SECTION THRU BRG.
 BEAM ANCHOR DETAILS



SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING
 SECTION D-D END DETAILS WITH PRETENSIONING

A.A.S.H.O. Type II Beam
 Final forces after losses:
 Post-tensioned = 735 k
 Prestressed = 635 k
 For 100psi
 1 Exterior Beam required
 3 Interior Beams required

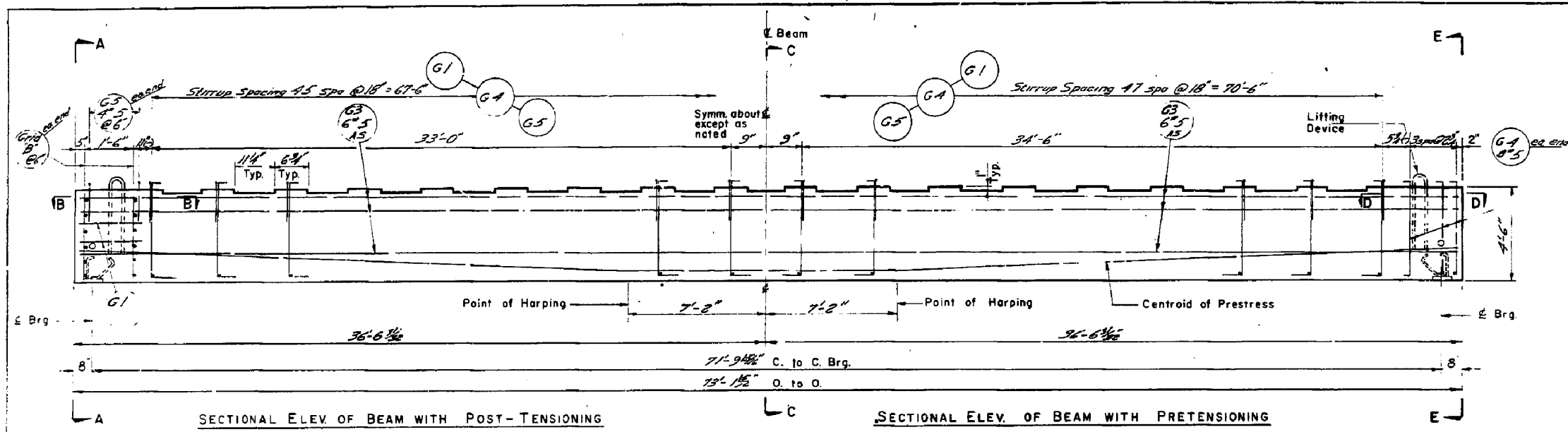
UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
ROADWAY VALLEY IN DEVILS SLIDE 3-RON OVER 'X' LINE & G.R.R. PRESTRESSED BEAM DETAILS 'S'			
DESIGNED BY: M.H.	CHECKED BY: J.E.H.	DATE: 10/27/71	PROJECT NUMBER:
DRAWN BY: J.E.H.	CHECKED BY: J.E.H.	DATE: 10/27/71	STATION:
APPROVAL: J.E.H.	DATE: 10/27/71	PROJECT NUMBER:	NO. 22
APPROVED BY: J.E.H.	DATE: 10/27/71	PROJECT NUMBER:	NO. 22

NO.	DATE	REVISIONS
1	10-27-71	REVISED

FOR INFORMATION ONLY



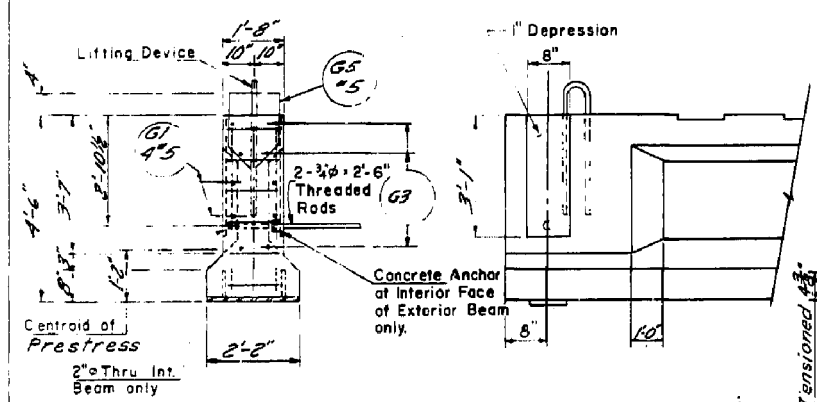
06-APR-2018 09:41:10 PM P:\Projects\1723\F-114\Drawings\Struct\Info\Drawings



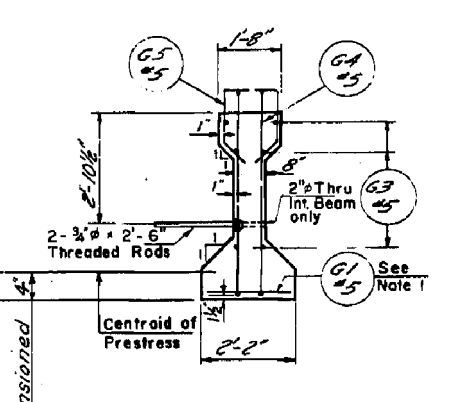
REINFORCING BAR SCHEDULE (PER BEAM)

MARK	SIZE	L'GTH	NO BARS	NO #	SKETCH
G1	5	1'-10"	56	54	
G2	5	4'-1"	0	24	
G3	5	37'-2"	12	12	
G4	5	6'-0"	112	92	
G5	5	5'-6"	48	54	
G6	5	1'-6"	0	72	

NOTE: Unless otherwise shown, all dimensions are out to out of bars
 ● With Post-Tensioning

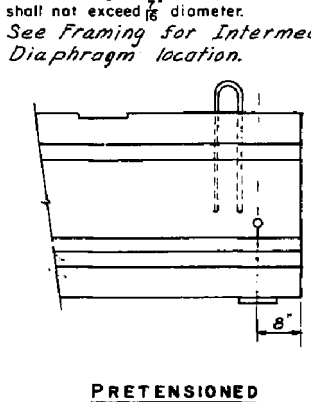


SECTION A-A WITH POST-TENSIONING

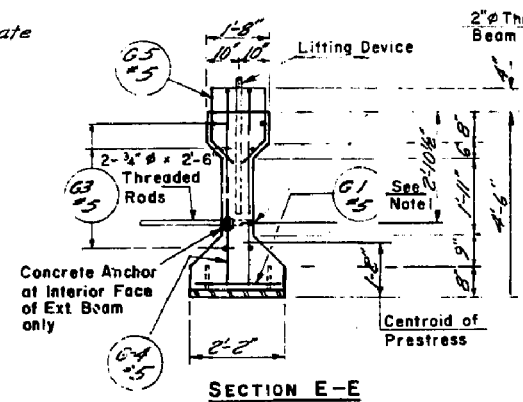


SECTION C-C

Concrete Anchors and Threaded Rods shall be furnished by Beam Fabricator

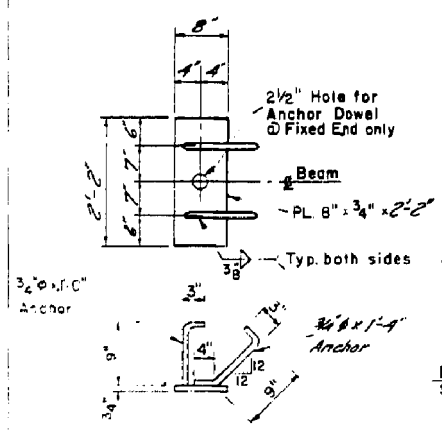


PRETENSIONED END-ELEVATION

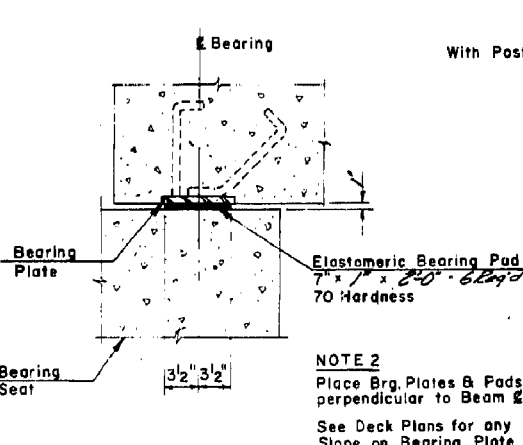


SECTION E-E WITH PRETENSIONING

NOTE: Bar #1 shall be placed immediately above lower row of prestressing strands.

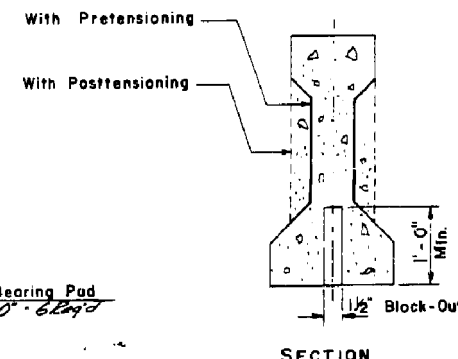


BEARING PLATE DETAIL

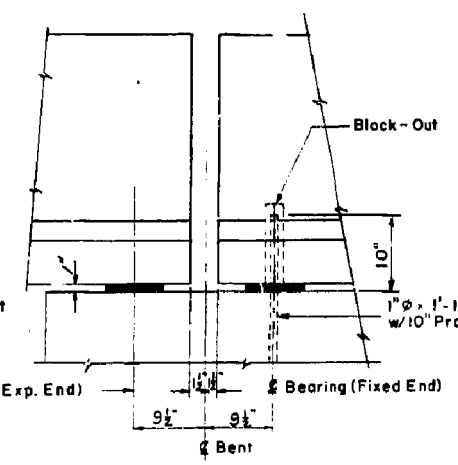


BEARING DETAIL

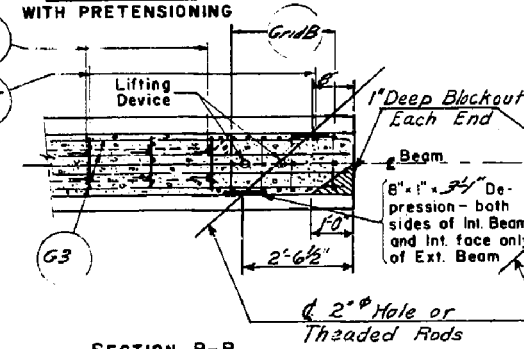
NOTE 2: Place Brg. Plates & Pads perpendicular to Beam & See Deck Plans for any Slope on Bearing Plate



SECTION THRU & BRG.

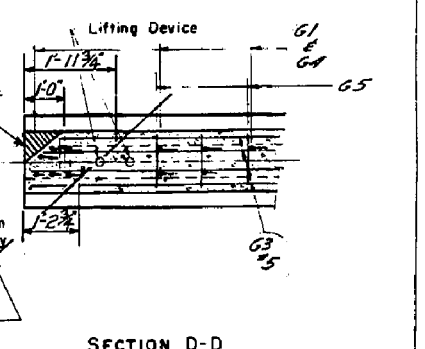


BEAM ANCHOR DETAILS



SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING

A.A.S.H.O. Type II Beam
 Final forces after losses
 Post-tensioned - 620 k.
 Prestressed - 526 k.
 1'ci - 4000 psi
 1 Exterior Beam required
 2 Interior Beams required

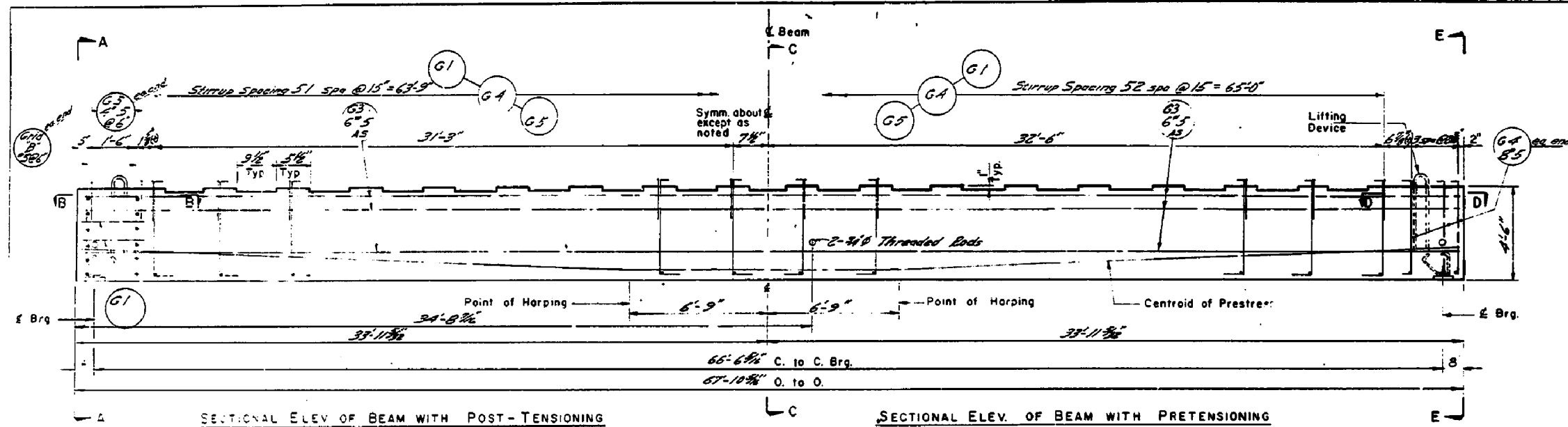


SECTION D-D END DETAILS WITH PRETENSIONING

UTAH STATE DEPARTMENT OF HIGHWAYS
 STRUCTURES DIVISION
**ROUND VALLEY DEVIL'S SLIDE
 I-BRM OVER 'X' LINE & U.P.R.
 PRESTRESSED BEAM DETAILS 'T'**

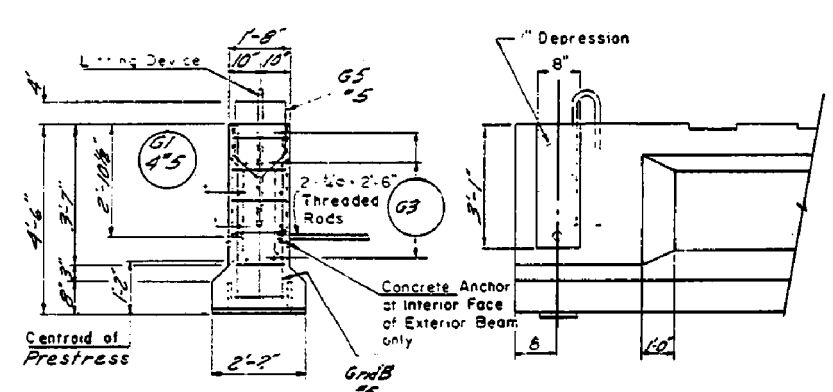
DESIGNED BY: M.W.	CHECKED BY: J.E.W.	DATE: 1-11-65
DRAWN BY: J.E.W.	REVISIONS:	
APPROVED BY: J.E.W.	DATE: 1-11-65	DRG. NO. F-114

FOR INFORMATION ONLY

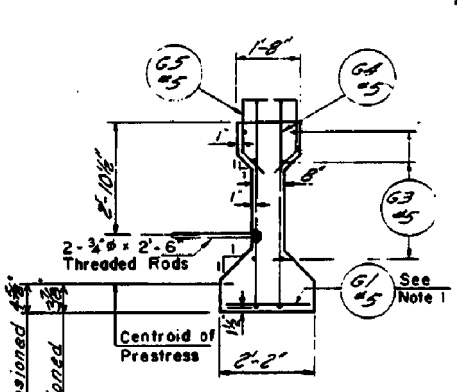


REINFORCING BAR SCHEDULE (PER BEAM)					
MARK	SIZE	L'GTH	NO BARS	NO# BARS	SKETCH
G1	5	1'-10"	61	60	
G2	5	4'-1"	0	24	
G3	5	3'-6"	12	12	
G4	5	6'-0"	122	104	
G5	5	5'-6"	53	60	
G6	5	1'-6"	0	72	

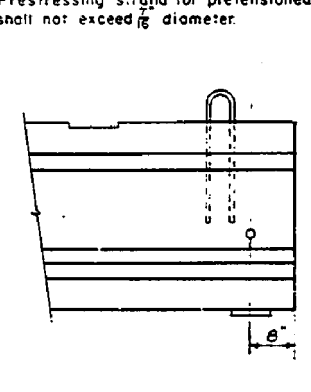
NOTE: Unless otherwise shown, all dimensions are out to out of bars
 * With Post-Tensioning



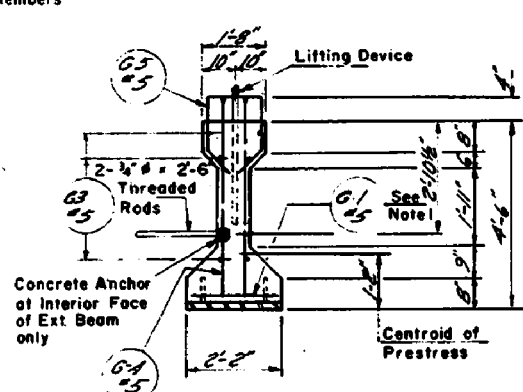
SECTION A-A POST-TENSIONING
 POST-TENSIONED END-ELEVATION



SECTION C-C
 Concrete Anchors and Threaded Rods shall be furnished by Beam Fabricator

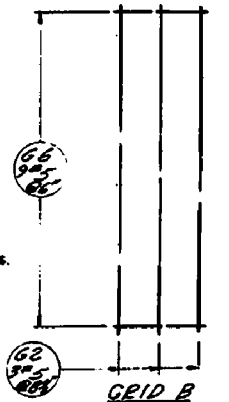


PRETENSIONED END-ELEVATION

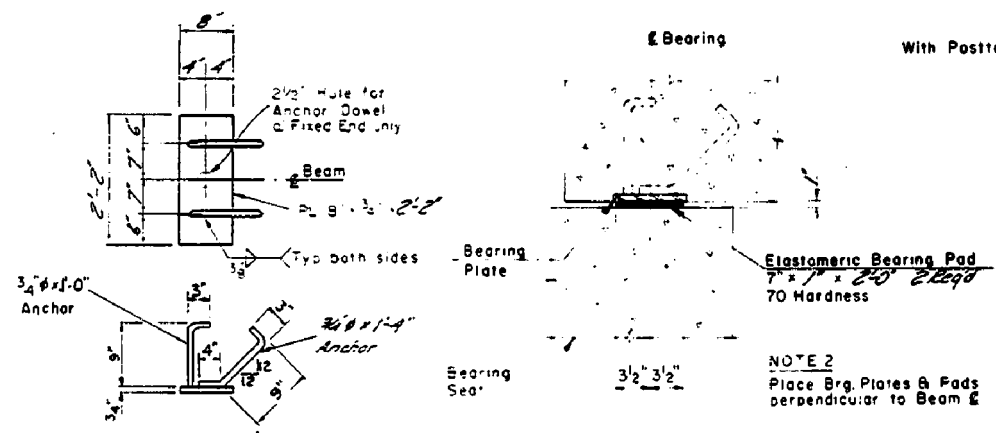


SECTION E-E WITH PRETENSIONING

NOTE: Bar G1 shall be placed immediately above lower row of prestressing strands.

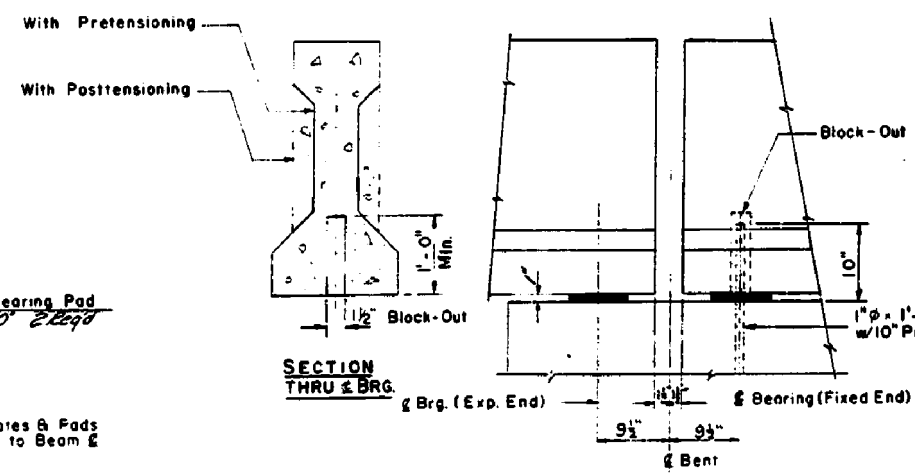


GRID B

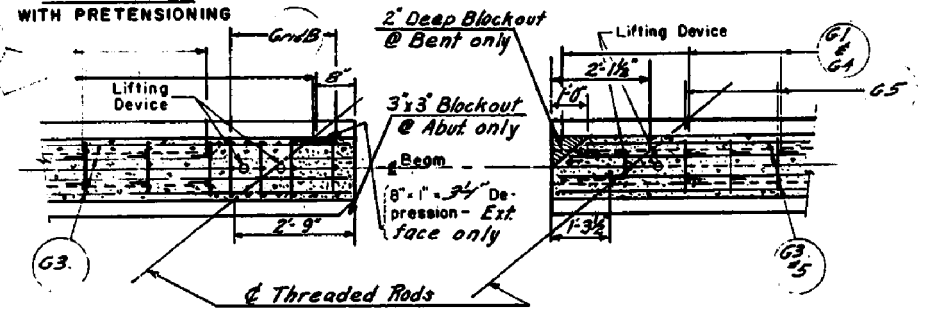


BEARING PLATE DETAIL
 BEARING DETAIL

NOTE 2: Place Brg. Plates & Pads perpendicular to Beam &



SECTION THRU BRG.
 BEAM ANCHOR DETAILS



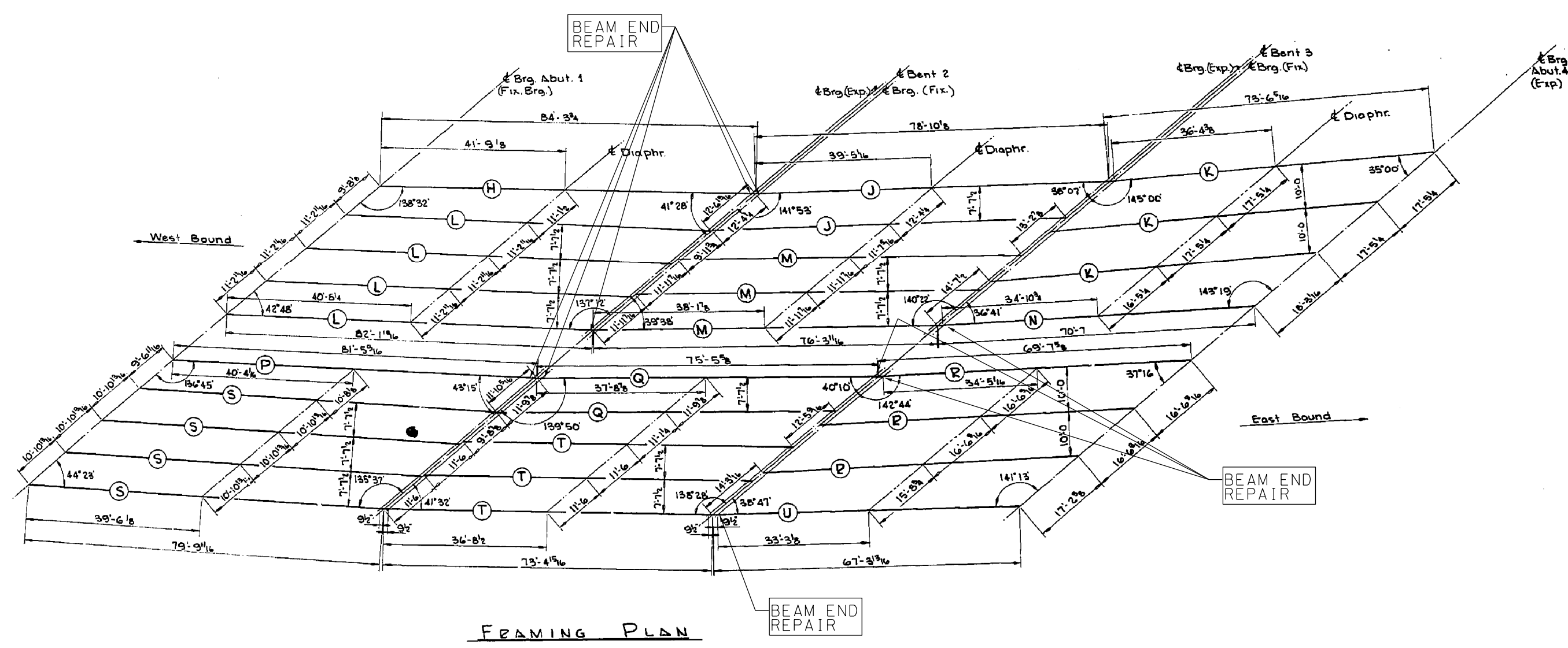
SECTION B-B END BLOCK DETAILS WITH POST-TENSIONING

SECTION D-D END DETAILS WITH PRETENSIONING

A.A.S.H.O. Type II Beam
 Final forces after losses
 Prestressing - 665
 Post-tensioning - 560
 f_{cu} 4000psi
 1 Exterior Beam required

UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
FOUND VALLEY DEVIS'S SLIDE I-BOW OVER 'X' LINE & U.P.R.R. PRESTRESSED BEAM DETAILS 'U'			
DESIGNED BY: M.M.	CHECKED BY: J.E.W.	PROJECT NUMBER: F-114	
DRAWN BY: J.M.	CHECKED BY: J.E.W.	PROJECT NUMBER: 24-114	
QUANTITIES BY: J.M.	CHECKED BY: J.E.W.	PROJECT NUMBER: 24-114	
APPROVAL: Joseph E. Webb	DATE: 10/14/65	BY: J.E.W.	DATE: 10/14/65
STATION: 24+114		DATE: 10/14/65	
BY: J.E.W.		DATE: 10/14/65	

FOR INFORMATION ONLY



FRAMING PLAN

NOTE:
 All Prestressed Concrete Beams
 are Type IV Beams.
 Dimensions to & Bearing are taken
 along & Beam.

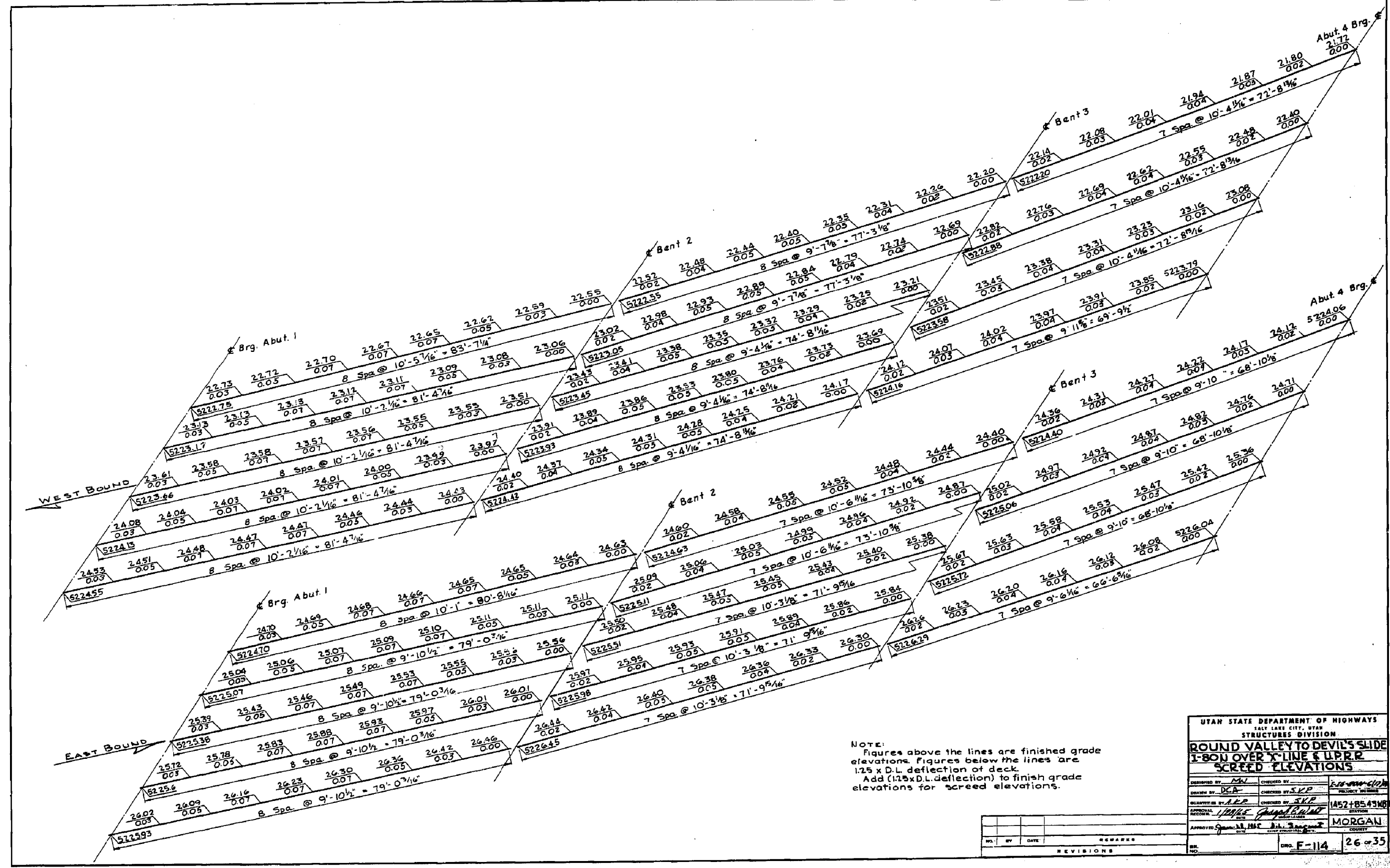
FOR INFORMATION ONLY
 EXCEPT TO INDICATE LOCATION OF REQUIRED WORK

NO.	BY	DATE	REMARKS
REVISIONS			

UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION			
ROUND VALLEY TO DEVIL'S SLIDE I-80N OVER X LINE & UPRR. FRAMING PLAN			
DESIGNED BY: <i>DVB</i>	CHECKED BY: <i>SKP</i>	PROJECT NO. <i>1-15-2004/011</i>	
DRAWN BY: <i>DVB</i>	CHECKED BY: <i>SKP</i>	STATION <i>452+05.43</i>	
QUANTITIES BY: <i>AKP</i>	CHECKED BY: <i>SKP</i>	DATE <i>1/28/05</i>	
APPROVED: <i>John R. Ruff</i>	<i>D.L. [Signature]</i>	MORGAN COUNTY	
DRG. NO. <i>F-114</i>	25 OF 35		

05-APR-2010 09:14:58 AM I:\Projects\1723\F-114\Struct\25F-114.dwg

ENG. AUTH. _____ CONST. AUTH. _____

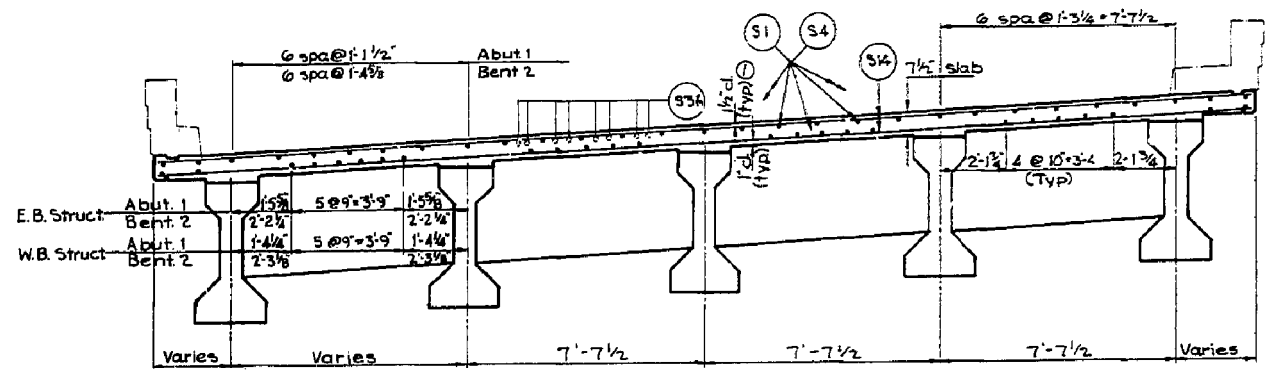


NOTE:
 Figures above the lines are finished grade elevations. Figures below the lines are 1.25 x D.L. deflection of deck.
 Add (1.25 x D.L. deflection) to finish grade elevations for screed elevations.

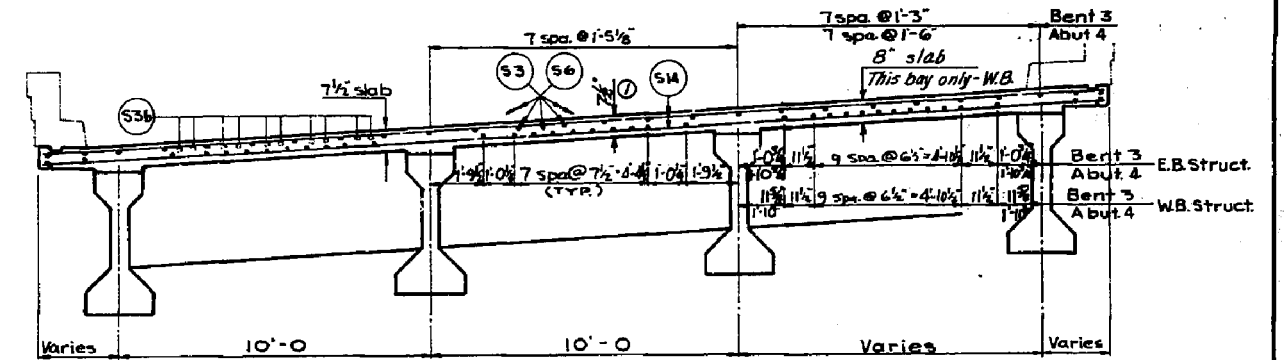
UTAH STATE DEPARTMENT OF HIGHWAYS			
SALT LAKE CITY, UTAH			
STRUCTURES DIVISION			
ROUND VALLEY TO DEVIL'S SLIDE			
1-80N OVER X-LINE & UPRR			
SCREED ELEVATIONS			
DESIGNED BY: <i>MW</i>	CHECKED BY:	PROJECT NUMBER:	
DRAWN BY: <i>DCA</i>	CHECKED BY: <i>SKP</i>	DATE:	
QUANTITIES BY: <i>AKP</i>	CHECKED BY: <i>SKP</i>	STATION:	
APPROVED: <i>[Signature]</i>	DATE:	COUNTY:	
NO.		BY	DATE
REVISIONS			
DRG. NO. F-114		26 of 35	

FOR INFORMATION ONLY

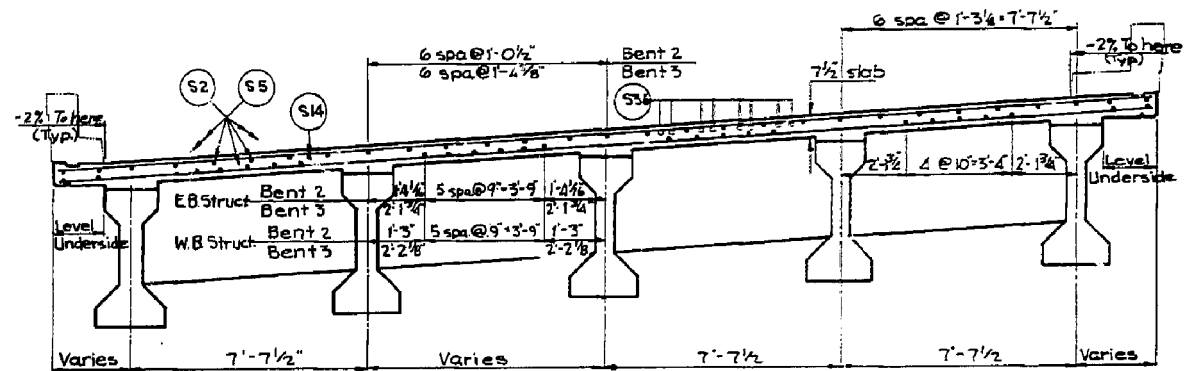
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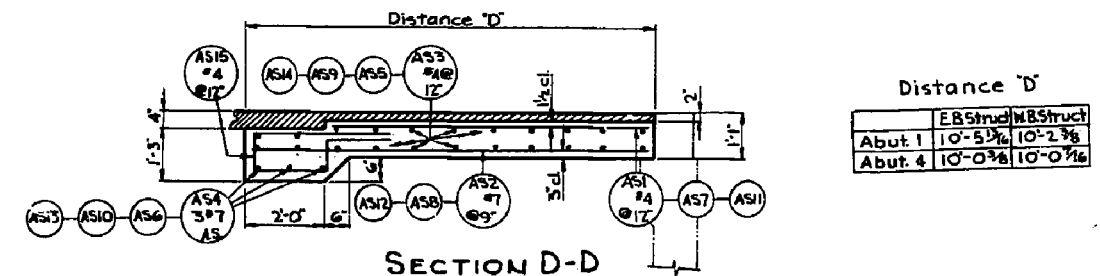
SECTION A-A



SECTION C-C



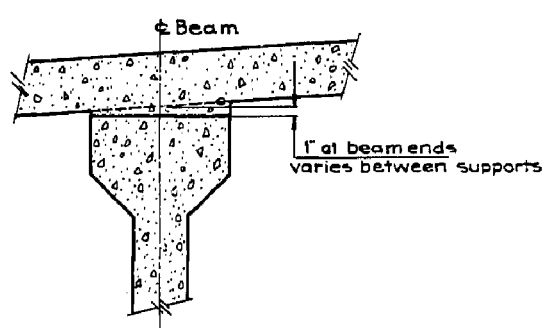
SECTION B-B



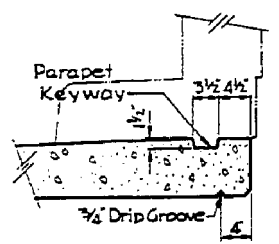
SECTION D-D

Distance 'D'

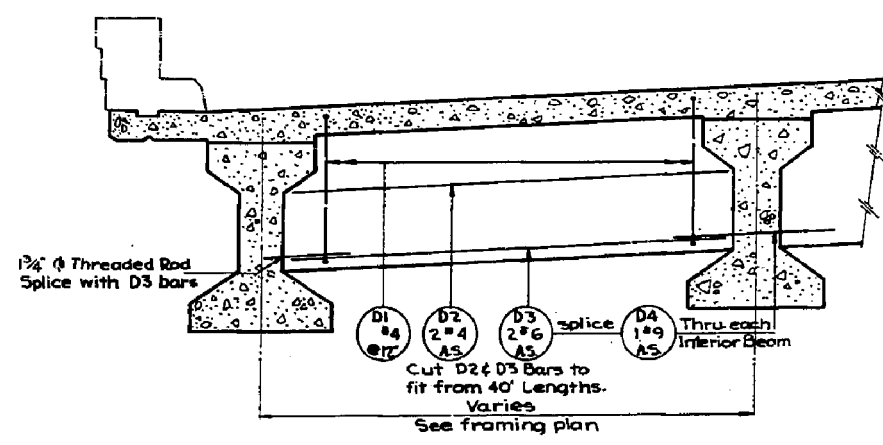
	E.B. Struct	W.B. Struct
Abut 1	10'-5 3/8"	10'-2 3/8"
Abut 4	10'-0 3/8"	10'-0 1/8"



CAMBER STRIP DETAIL



DETAIL 'D'



SECTION ALONG E DIAPHRAGM

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
STRUCTURES DIVISION

**ROUND VALLEY TO DEVIL'S SLIDE
IRON OVER 'X' LINE SUPER
DECK SECTIONS**

DESIGNED BY: <i>PH</i>	CHECKED BY: <i>SVP</i>	FIG. NO. 6(17)
DRAWN BY: <i>DCA</i>	CHECKED BY: <i>SVP</i>	PROJECT NUMBER
QUALIFIED BY: <i>ALP</i>	CHECKED BY: <i>SVP</i>	1452855386
APPROVAL	<i>Joseph L. Wood</i>	DATE
APPROVED: <i>John B. ...</i>	DATE: <i>...</i>	MORGAN

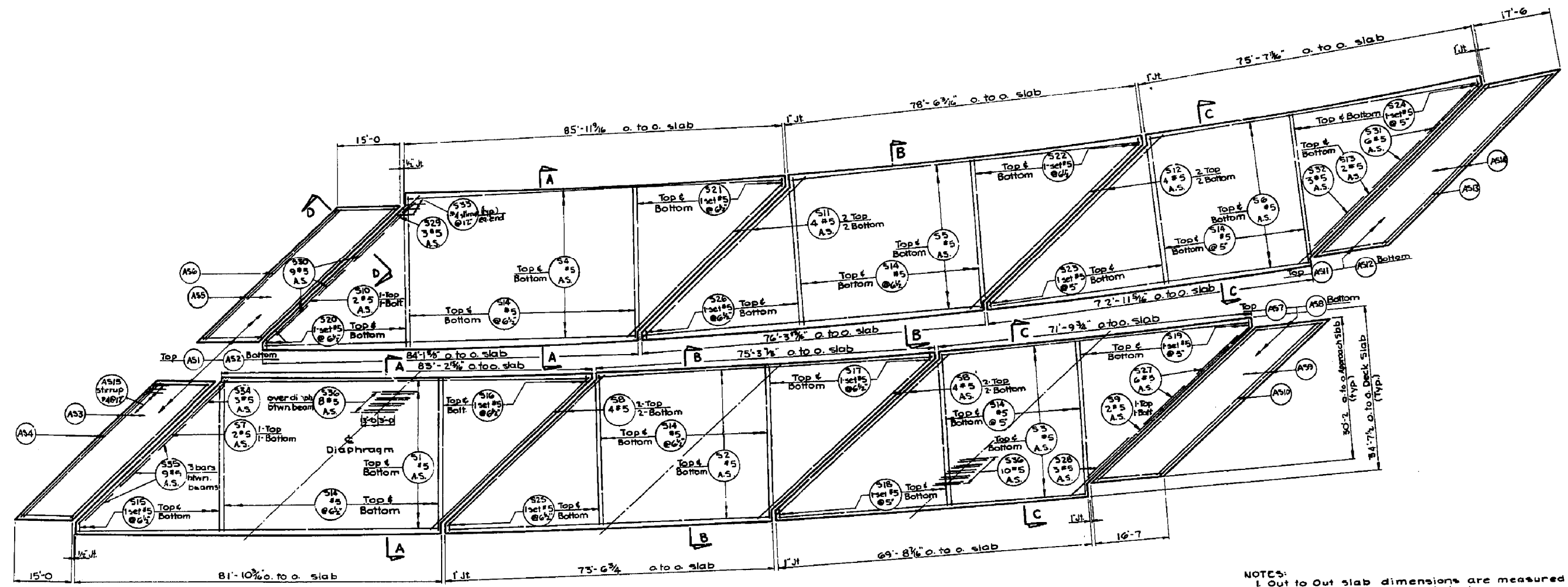
1 | DCA 2-5-66 Bar clearance, Deck Diapragm

NO.	BY	DATE	REVISIONS

BR. NO. | ENCL. F-114 | 27 of 35

FOR INFORMATION ONLY

06-APR-2018 09:41:15 AM F:\Users\jlp\Documents\1723\F-114\5145-27\Final.dwg



DECK PLAN

- NOTES:
1. Out to Out slab dimensions are measured along the outside edge of deck.
 2. Transverse dimensions are radial.
 3. A.S. = As Shown (on this and/or accompanying sheets.)
 4. Bar spacing shown is maximum spacing allowed.

Edge of Deck	Edge of outside beam	Edge of Deck	Edge of outside beam	Edge of Deck	Edge of outside beam	Edge of Deck
	E. B. STRUCTURE		W. B. STRUCTURE			
3'-2 1/4"	42'-3 1/8"	3'-5 1/4"	43'-4 1/16"	3'-4 1/8"	Along & Brq Abut 1	
3'-4 1/4"	44'-6 3/4"	3'-5 3/8"	46'-2 13/16"	3'-7 1/4"	Along & Bent 2	
3'-7 1/4"	47'-3 7/16"	3'-8 1/2"	49'-6"	3'-10 3/8"	Along & Bent 3	
3'-9 1/4"	50'-2 1/16"	3'-11 1/8"	53'-1 1/16"	4'-2 1/4"	Along & Brq Abut 4	

FOR INFORMATION ONLY

NO.	BY	DATE	REVISIONS
1	DCA	7-5-69	changed transverse bar spacing

UTAH STATE DEPARTMENT OF HIGHWAYS
SALT LAKE CITY, UTAH
STRUCTURES DIVISION

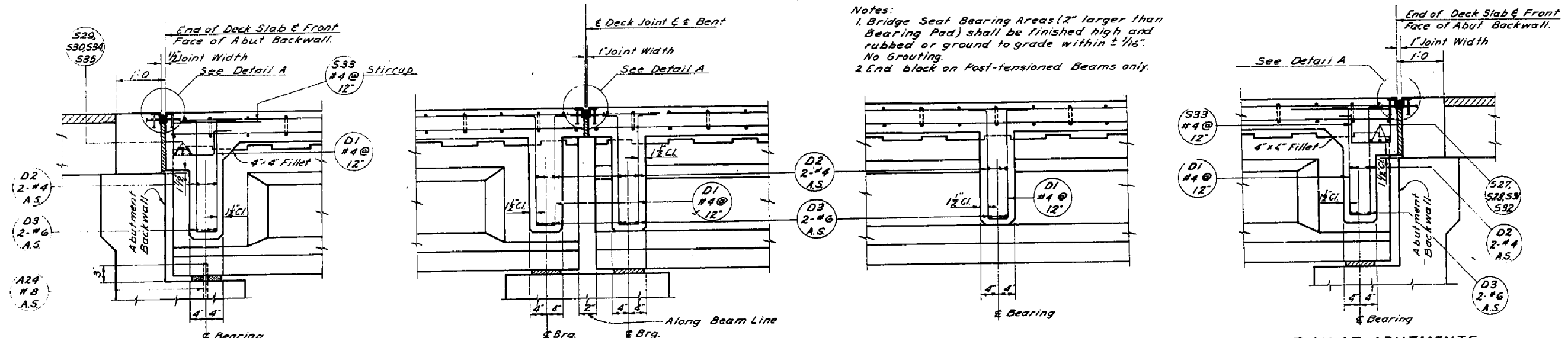
**ROUND VALLEY TO DEVIL'S SLIDE
I-BON OVER X-LINE & UERR
DECK DETAILS**

DESIGNED BY: MVI
DRAWN BY: DCA
QUANTITIES BY: AEP
APPROVED: [Signature]

CHECKED BY: S.M.P.
CHECKED BY: S.V.P.
DATE: 11-18-68

FIG. 80N(6)(11)
45218543HBB
MORGAN

DATE: F-114
28-35



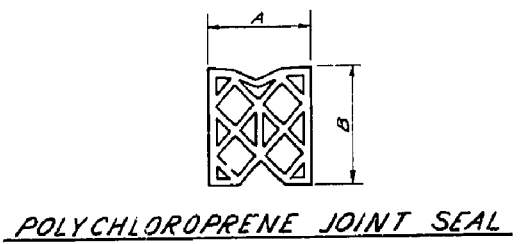
Notes:
 1. Bridge Seat Bearing Areas (2" larger than Bearing Pad) shall be finished high and rubbed or ground to grade within $\pm 1/16"$. No Grouting.
 2. End block on Post-tensioned Beams only.

SECTION AT ABUTMENTS
 NORMAL TO BACKWALL & DIAPHRAGMS
 FIXED END

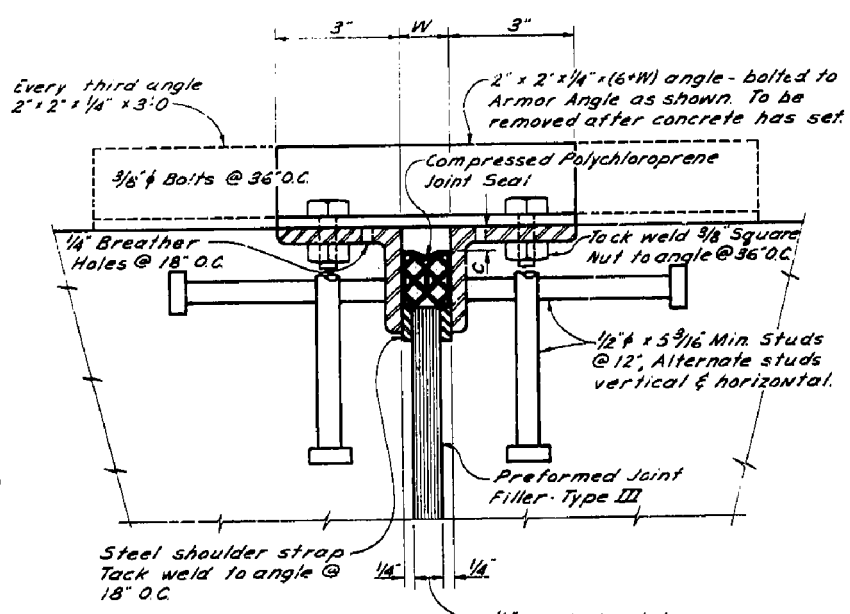
SECTION AT BENTS
 NORMAL TO DIAPHRAGMS

SECTION AT INTERMEDIATE DIAPHRAGMS
 NORMAL TO DIAPHRAGMS

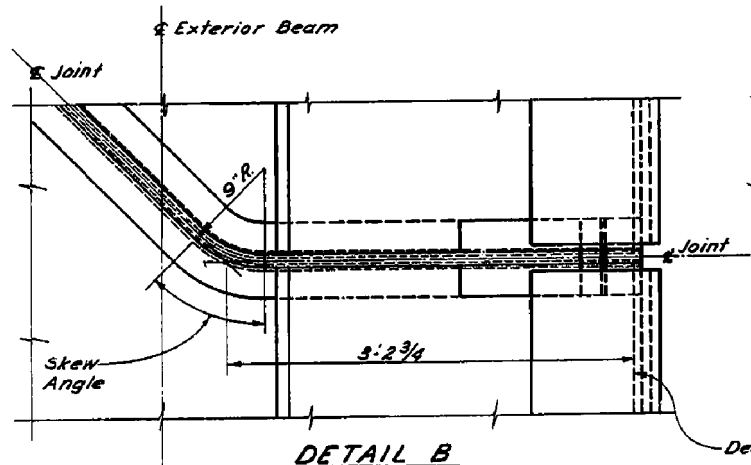
SECTION AT ABUTMENTS
 NORMAL TO BACKWALL & DIAPHRAGMS
 EXPANSION END



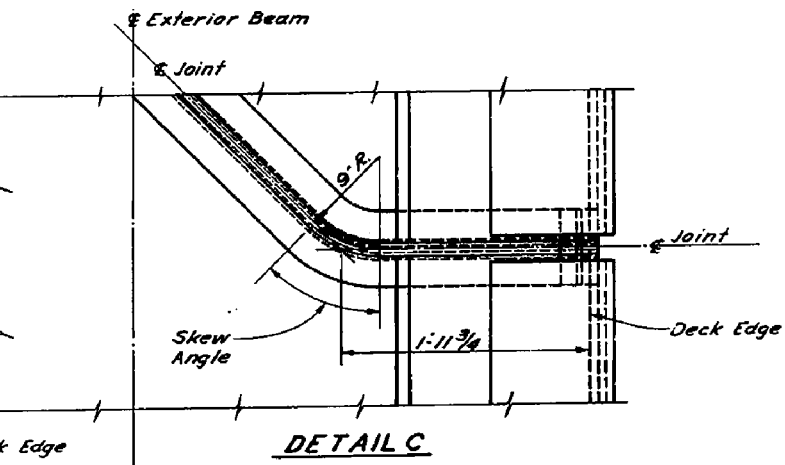
POLYCHLOROPRENE JOINT SEAL



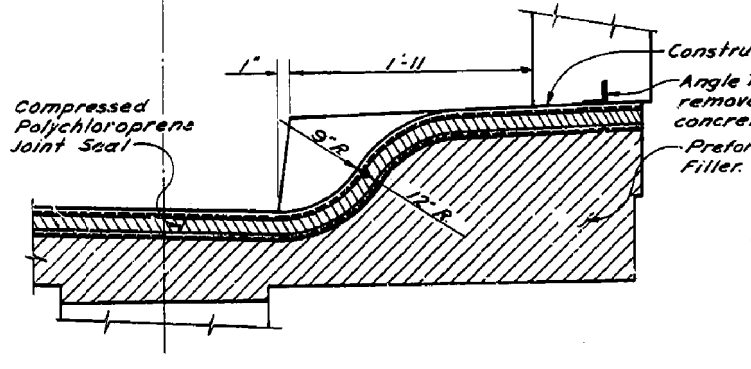
DETAIL A



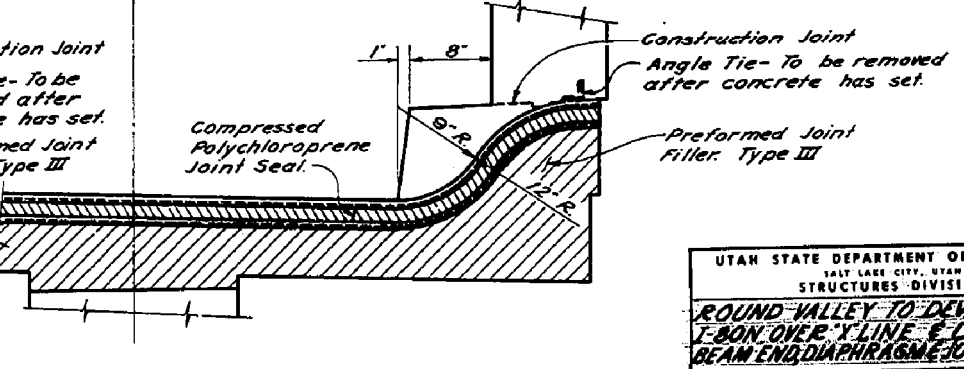
DETAIL B



DETAIL C



SECTION ALONG & JOINT
 SEE DETAIL B



SECTION ALONG & JOINT
 SEE DETAIL C

Joint Width	Shoulder Strip	W. Compressed Seal Width	A. Uncompressed Seal Width	B. Seal Depth	C. Recess	D. Armor Angle Size
1/2"	3/4 x 1/4"	1"	1 9/8" Min.	1 9/8" Min.	3/8"	3" x 2 1/2" x 3/8"
1"	3/4 x 1/2"	1 1/2"	2 1/4" Min.	2 1/2" Min.	5/8"	4" x 3" x 5/8"

UTAH STATE DEPARTMENT OF HIGHWAYS
 SALT LAKE CITY, UTAH
 STRUCTURES DIVISION

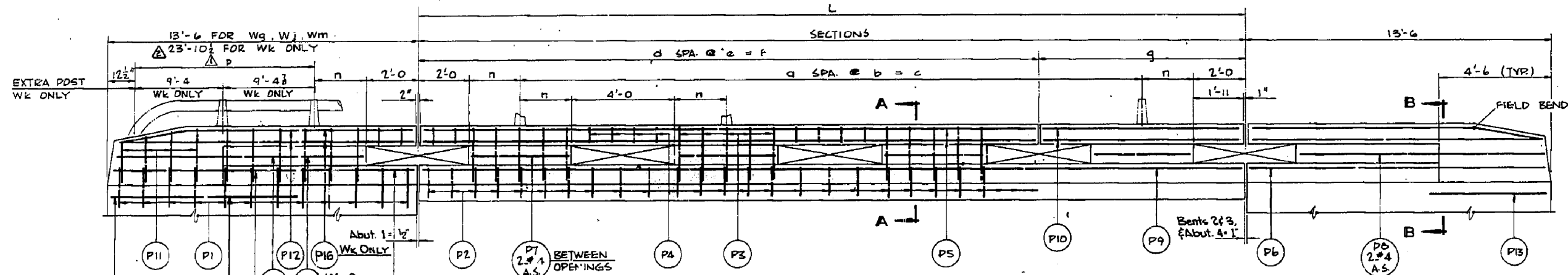
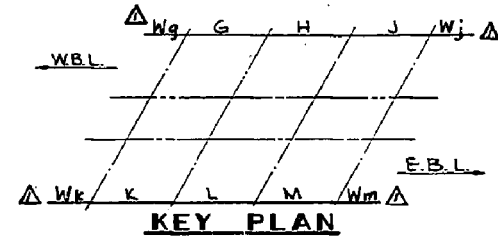
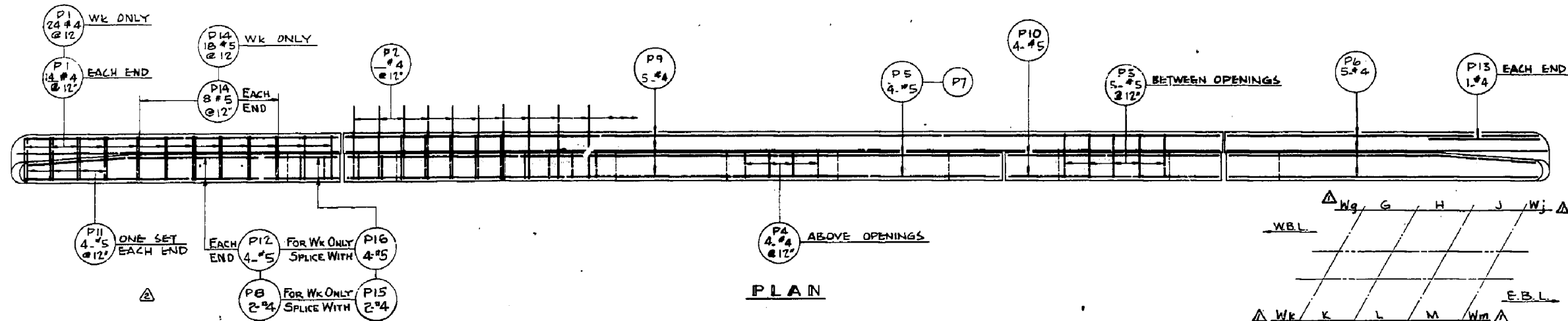
**ROUND VALLEY TO DEVIL'S SLIDE
 I-BON OVER X-LINE & I.P. RR
 BEAM END DIAPHRAGME JOINT DETAILS**

DESIGNED BY: D.L.C. CHECKED BY: J.R.M. PROJECT NUMBER: 1452-85-43
 QUANTITIES BY: A.R.P. CHECKED BY: S.V.P. DATE: 1/28/65
 APPROVED: 3/25/65 DATE: 3/25/65 BY: S.V.P. COUNTY: MORGAN

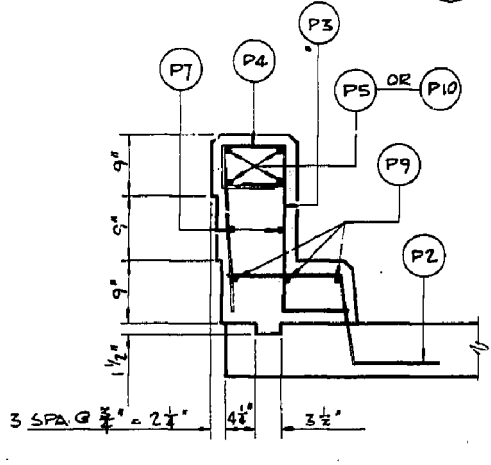
NO. BY DATE REMARKS
 REVISIONS

29 of 35

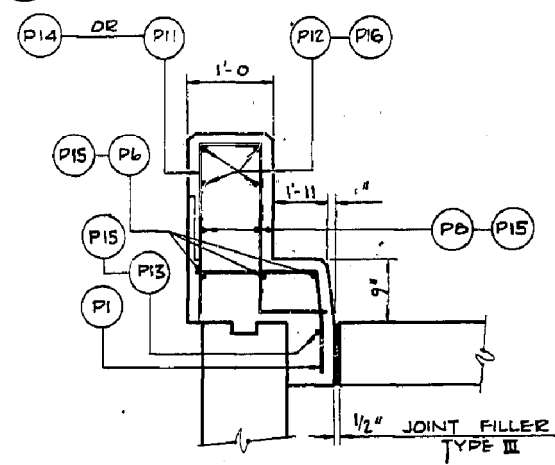
FOR INFORMATION ONLY



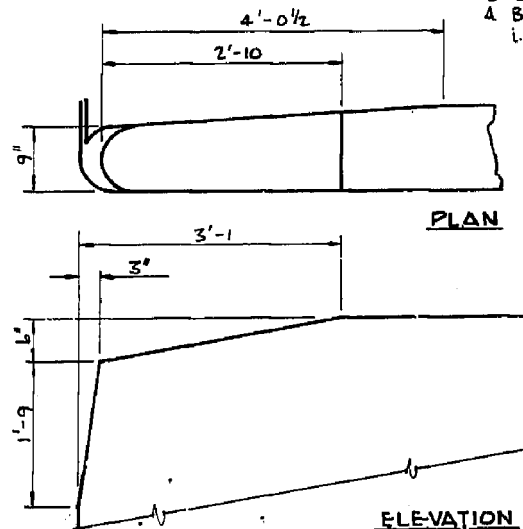
NOTE:
 1. THE CURB AND PARAPET SHALL NOT BE POURED UNTIL AT LEAST SEVEN (7) DAYS AFTER THE SLAB HAS BEEN POURED AND UNTIL ALL SHORING HAS BEEN REMOVED.
 2. SEE SHEET 32 FOR DETAILS OF RAIL INSTALLATION.
 3. DIMENSION L IS TAKEN ALONG OUTSIDE OF DECK SLAB.
 4. BAR SUBSCRIPTS INDICATE THE SECTION IN WHICH THE BAR IS LOCATED. I.e. P10 b IS THE P10 BAR LOCATED IN SECTION B OF THE KEY PLAN.



SECTION - A A



SECTION B B



PARAPET END DETAILS

SCHEDULE

P	WING SECTION	PARAPET SECTION	NO. OF SECTIONS	a	b	c	d	e	f	g	n	L
8'-1 1/2	Wg	G	1	9	8'-7 1/4	77'-5 1/2	2	25'-9 1/4	51'-7 1/2	34'-4 1/4	2'-3 1/8	82'-0 1/4
8'-3	Wj	H	1	8	8'-8 1/4	69'-10 1/4	2	26'-2 1/4	52'-4 1/2	26'-2 1/4	2'-4 1/8	78'-7 1/8
18'-0 1/2	Wk	J	1	9	8'-5	67'-9 1/4	2	25'-3	50'-6	25'-2 1/4	2'-2 1/2	75'-0 1/4
8'-1 1/2	Wm	K	1	9	8'-2 1/4	73'-8 1/4	2	24'-3 1/4	48'-1 1/2	32'-9 1/2	2'-1 1/8	81'-1 1/8
		L	1	8	8'-2 1/4	65'-5 1/2	2	24'-0 1/4	49'-1 1/2	24'-6 1/2	2'-1 1/4	75'-7 1/4
		M	1	7	8'-8 1/4	61'-0 1/4	1	34'-0 1/4	34'-0 1/4	34'-0 1/4	2'-4 1/8	69'-3 1/8

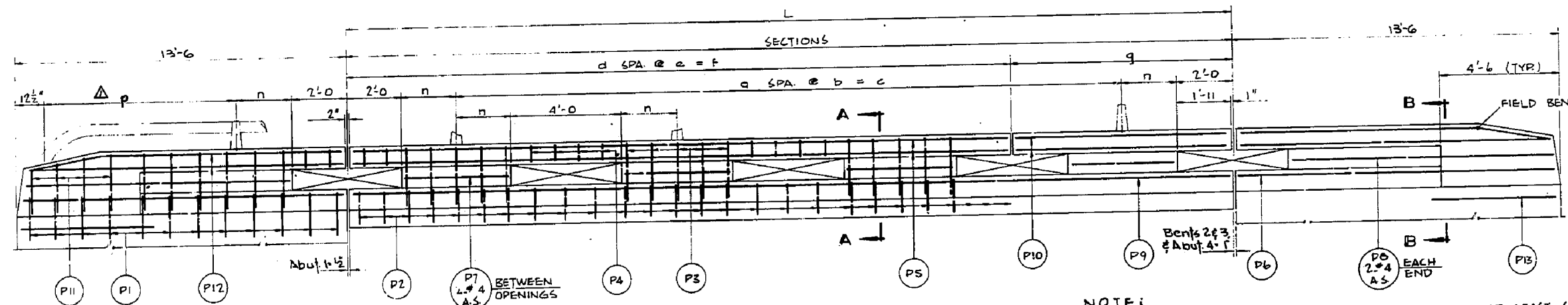
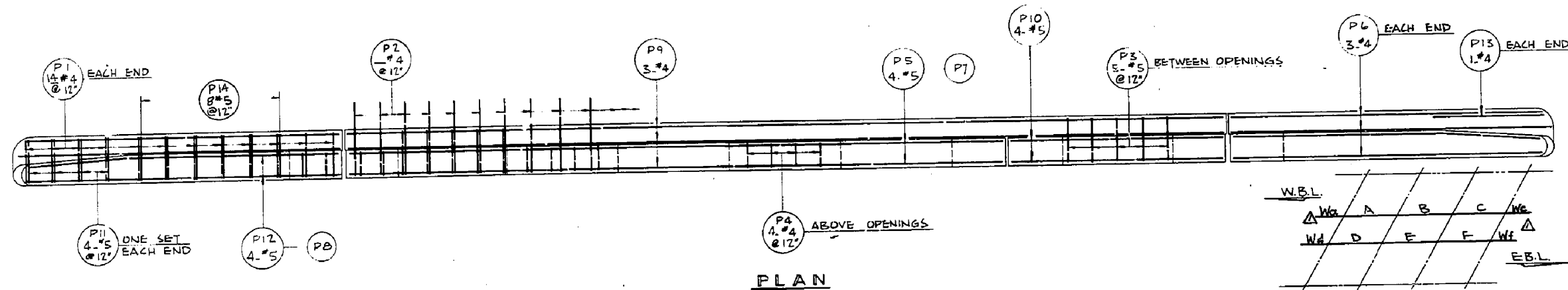
UTAH STATE DEPARTMENT OF HIGHWAYS
 SALT LAKE CITY, UTAH
 STRUCTURES DIVISION
**ROUND VALLEY TO DEVILS SLIDE
 180N OVER X LINE UPPER
 PARAPET DETAILS**

DESIGNED BY: DJV
 CHECKED BY: DVB
 QUANTITY BY: BRP
 APPROVAL: [Signature]

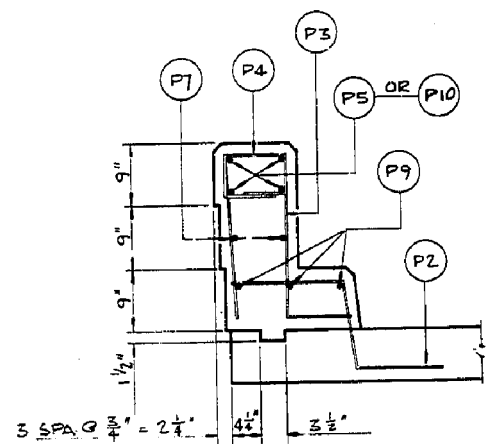
CONSTRUCTED BY: SVP
 CHECKED BY: SVP
 QUANTITY BY: SVP
 APPROVAL: [Signature]

DATE: 11-19-65
 DRG. NO. F-114
 SHEET NO. 30 OF 35

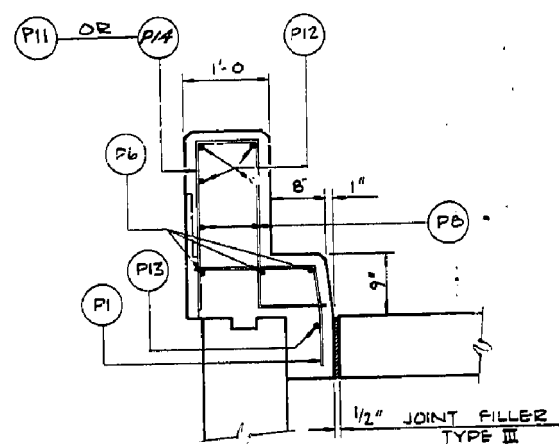
FOR INFORMATION ONLY



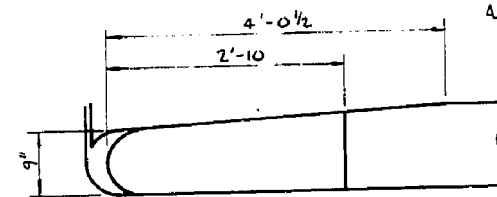
NOTE:
 1. THE CURB AND PARAPET SHALL NOT BE POURED UNTIL AT LEAST SEVEN (7) DAYS AFTER THE SLAB HAS BEEN POURED AND UNTIL ALL SHORING HAS BEEN REMOVED.
 2. SEE SHEET 32 FOR DETAILS OF RAIL INSTALLATION.
 3. DIMENSION 'L' IS TAKEN ALONG OUTSIDE OF DECK SLAB.
 4. BAR SUBSCRIPTS INDICATE THE SECTION IN WHICH THE BAR IS LOCATED. I.e. P10 b IS THE P10 BAR LOCATED IN SECTION B OF THE KEY PLAN.



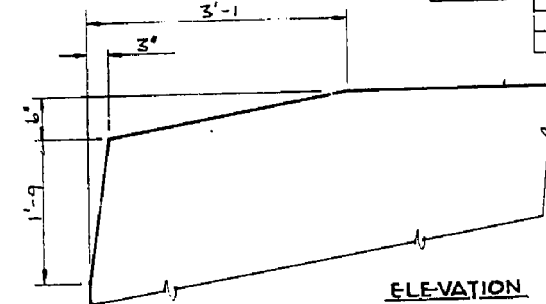
SECTION - A A



SECTION B B



PLAN



ELEVATION

PARAPET END DETAILS

WING SECTION		PARAPET SECTION		NO. OF SECTIONS		a	b	c	d	e	f	g	n	L
8'-3"	Wa	A	1	9	8'-5 1/2"	75'-9 1/2"	2	25'-3 1/2"	50'-6 1/2"	93'-8 1/2"	2'-2 1/2"	84'-7 1/2"		
		B	1	8	8'-5 1/2"	67'-10 1/2"	2	25'-5 1/2"	50'-11 1/2"	25'-5 1/2"	2'-2 1/2"	76'-4 1/2"		
8'-4 1/2"	Wc	C	1	8	8'-7 1/2"	64'-10 1/2"	2	24'-4 1/2"	48'-8 1/2"	24'-4 1/2"	2'-0 1/2"	75'-0 1/2"		
8'-3 1/2"	Wd	D	1	9	8'-4 1/2"	74'-11 1/2"	2	24'-11 1/2"	49'-11 1/2"	33'-3 1/2"	2'-2 1/2"	83'-3 1/2"		
7'-11 1/2"	Wf	E	1	8	8'-4 1/2"	67'-0 1/2"	2	25'-1 1/2"	50'-3 1/2"	25'-1 1/2"	2'-2 1/2"	75'-4 1/2"		
		F	1	7	8'-11 1/2"	62'-10 1/2"	1	35'-11 1/2"	35'-11 1/2"	95'-11 1/2"	2'-5 1/2"	71'-10 1/2"		

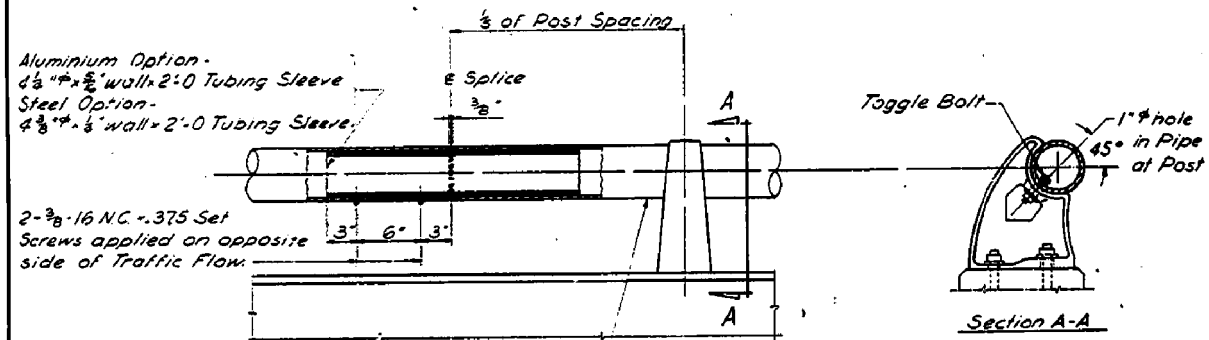
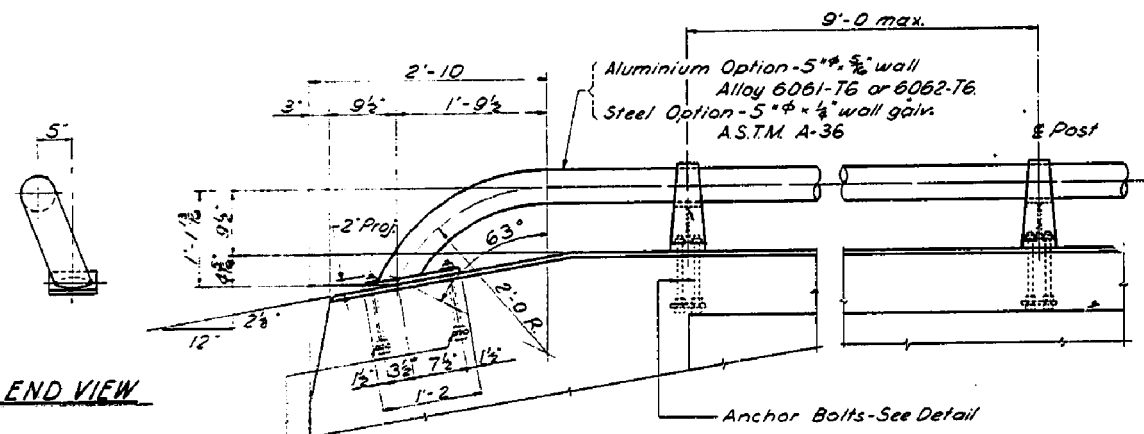
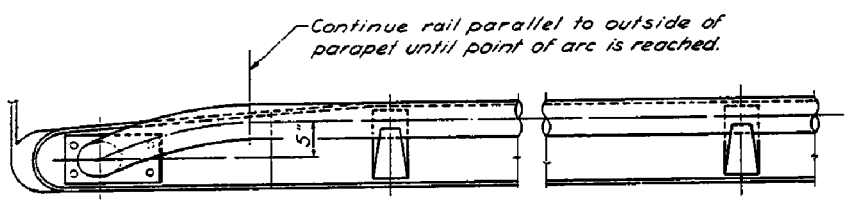
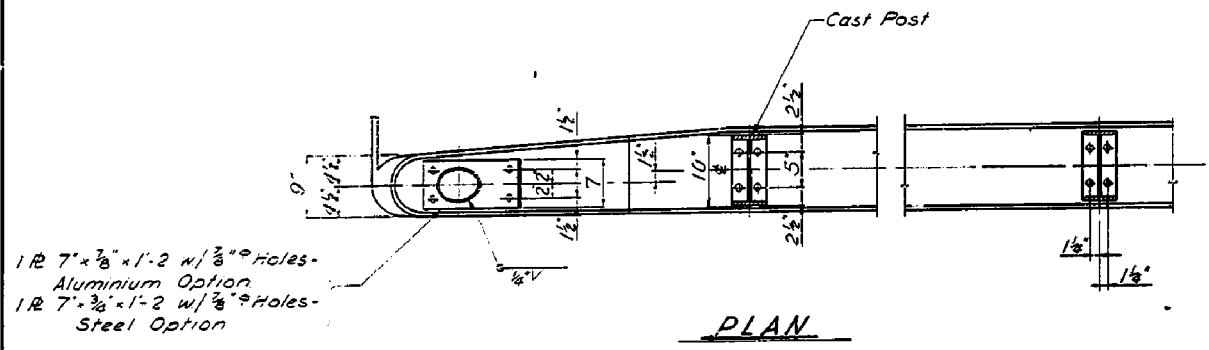
SCHEDULE

UTAH STATE DEPARTMENT OF HIGHWAYS
 SALT LAKE CITY, UTAH
 STRUCTURES DIVISION
 ROUND VALLEY TO DEVILS GLIDE
 I-80N OVER X LINE & UPRR
PARAPET DETAILS

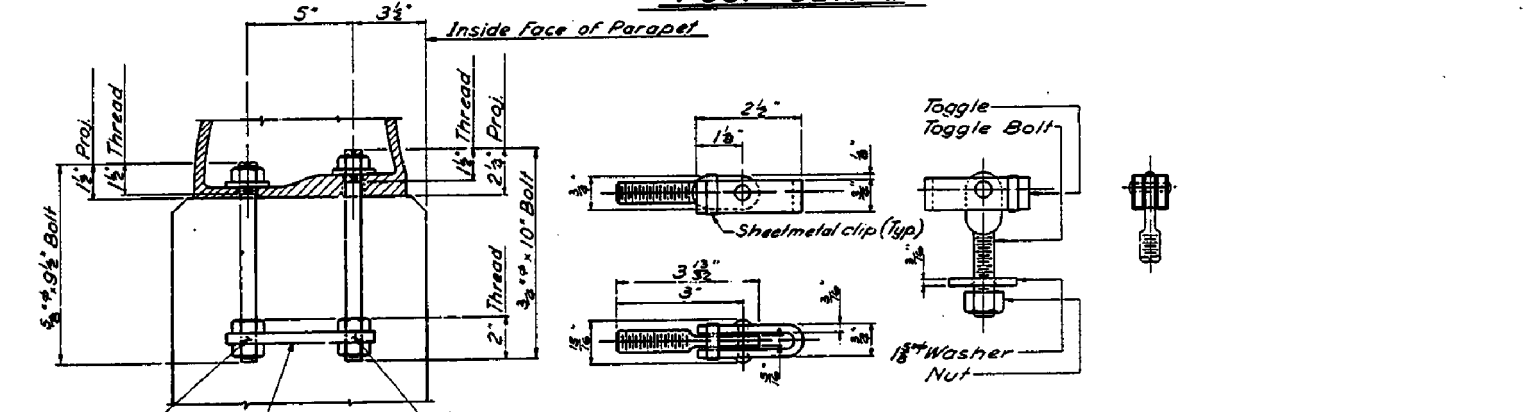
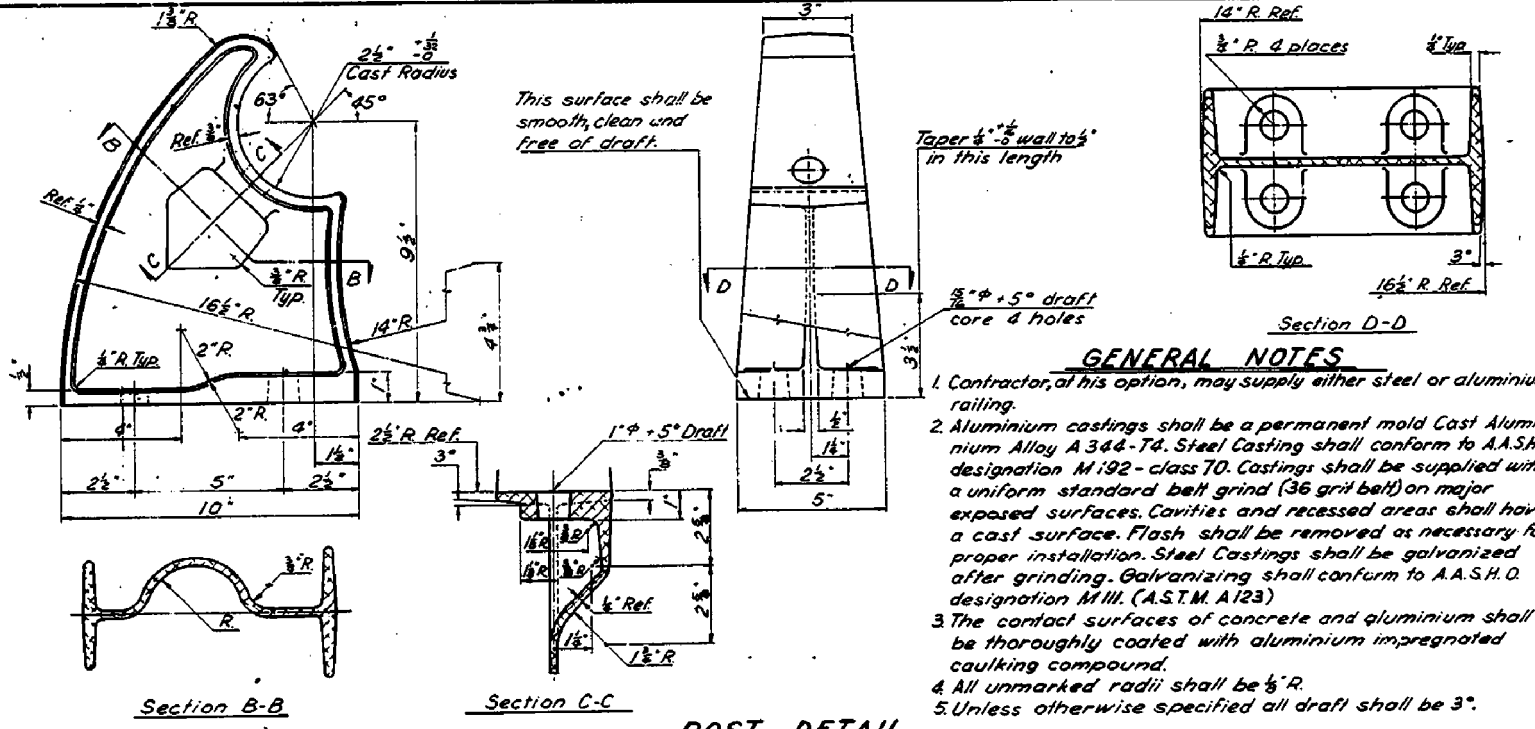
DESIGNED BY: *AKB* CHECKED BY: *S.V.P.*
 DRAWN BY: *DVB* CHECKED BY: *S.V.P.*
 QUANTITIES BY: *AKB* CHECKED BY: *S.V.P.*
 APPROVAL RECORD: *1/28/15* *Shane B. West*
 APPROVED: *1/28/15* *S.V.P.*
 NO. OF SHEETS: 31 OF 35
 DATE: *1/28/15*
 REVISIONS:
 1. *1/28/15* Wing p 8 added in schedule

TO GO WITH PS. 572.9M.

FOR INFORMATION ONLY



Rails shall be continuous over at least 3 posts whenever practical. Rail Splices shall be furnished in panels crossing Deck Joints.



ANCHOR BOLTS shall be one of the following:

1. Tempered steel bolts conforming to the requirements of A.A.S.H.O designation M-164 (A.S.T.M. A-325) and galvanized in accordance with A.S.T.M. A-153.
2. Stainless steel bolts conforming to A.S.T.M. designation A-276 and of a type and condition having an ultimate tensile strength of not less than 115,000 p.s.i. Threads shall be class 2A rolled threads.

TOP NUTS shall conform to the same specifications as bolts except that American Standard Finished Hexagon thick nuts of Aluminium Alloy 6061-T6 may be used with Cast Aluminium Posts.

BOTTOM NUTS shall be ungalvanized steel nuts conforming to A.A.S.H.O designation M-164 (A.S.T.M. A-325). All nuts shall have threads of class 2B tolerance.

ANCHOR BOLT SIZES refer to the threaded portion of the bolt. Threaded portion of rods may be upset but anchor bolt stock shall have a diameter not less than that at the root of the thread.

TOGGLE MATERIAL - 1015 H.R. Steel pickled and oiled. Round edge A.S.T.M. A-303-5B T.

TOGGLE BOLT MATERIAL - 1/2" - 13 NC 1335 C.R. Steel heat treated R.C. 32-38 A.S.T.M. A-354.

WASHER MATERIAL - SAE 1020 H.R. Steel PL. A.S.T.M. - A-7, break sharp edges.

NUT MATERIAL - 1/2" - 13 American heavy hex nut - 1035 C.R. Steel - heat treated A.S.T.M. - A-325.

CADMIUM PLATING ON STEEL - Type N.S. .0005" thick - A.S.T.M. - A-165-55 (All parts).

TOGGLE BOLT DETAIL

DESIGN NOTES

A.A.S.H.O. Int. I (64)
fs = 20,000 p.s.i., Steel Rail.
fa = 17,000 p.s.i., Alum Rail.
f = 8,000 p.s.i., Metal Post.

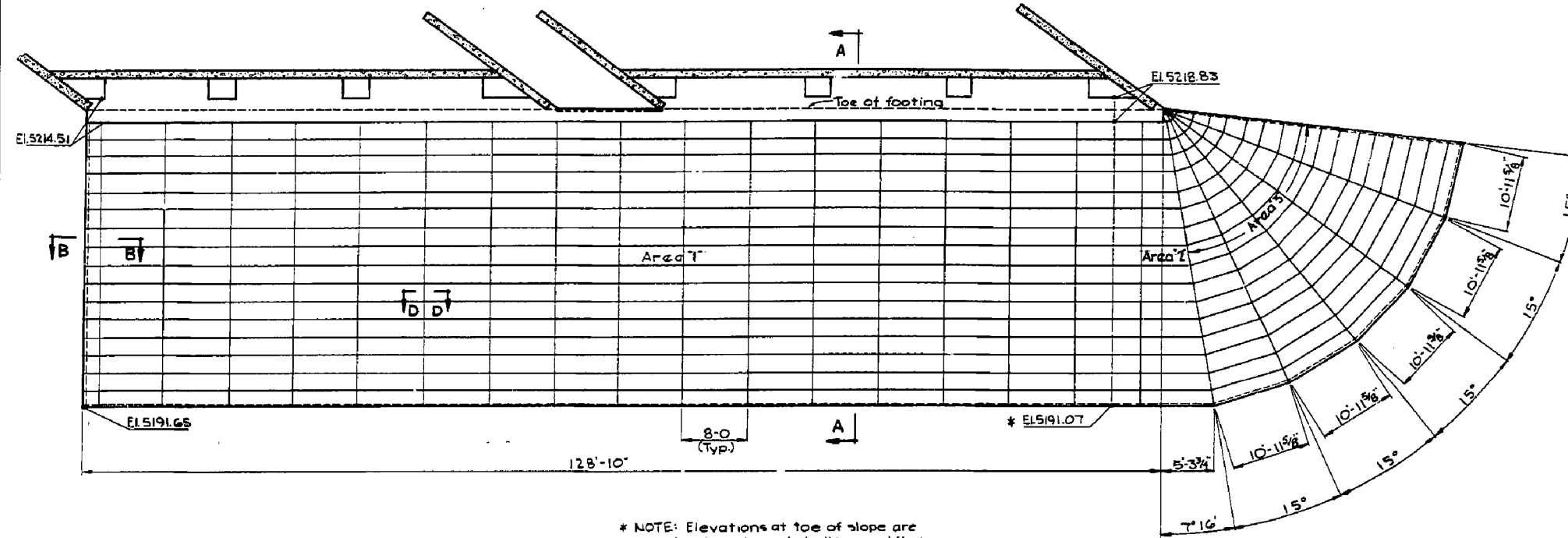
UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE-CANYON, UTAH STRUCTURES DIVISION			
ROUND VALLEY TO DEVILS SLIDE T-BON OVER X LINE TUPPER RAILING DETAILS			
DESIGNED BY: [Signature]	CHECKED BY: [Signature]	DATE: 1/20/64	PROJECT NUMBER: [Blank]
DRAWN BY: [Signature]	CHECKED BY: [Signature]	DATE: 1/20/64	PROJECT NUMBER: [Blank]
APPROVED: [Signature]	CHECKED BY: [Signature]	DATE: 1/20/64	PROJECT NUMBER: [Blank]
APPROVED: [Signature]			MORGAN COUNTY
NO. OF DATE REVISIONS			DRG. F-114 32 of 35

FOR INFORMATION ONLY

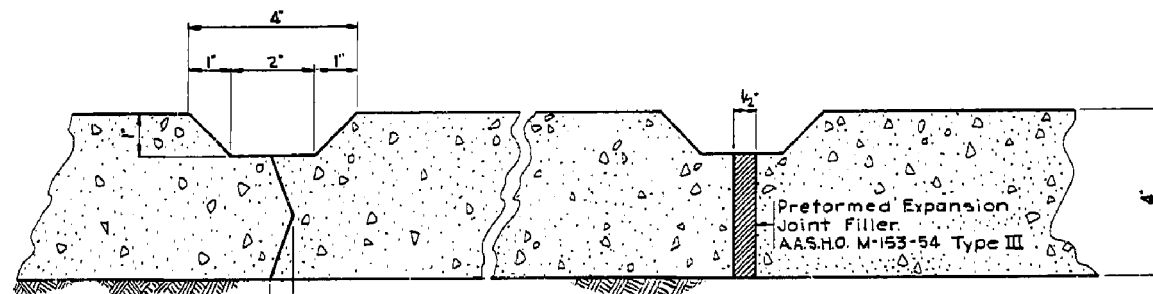
CONCRETE SLOPE PROTECTION

Location	Ave. Slope Length	Area 1	Area 2 & 3	Total
Abut. #4	50.02	765 yd ²	185 yd ²	950 sq. yd.

- Quantity in sq. yd. is estimated exposed surface.
- Area 1 = (Berm Width + Slope Length) x Toe Length.
- Area 2 or 3 = (Berm Width + Slope Length) x Toe Length x 1/2.



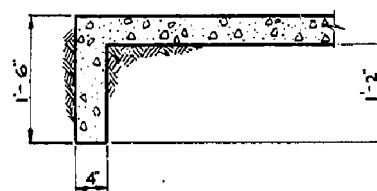
* NOTE: Elevations at toe of slope are approximate only and shall be verified by the Engineer at time of Construction.



Locate Construction Joints as needed in placing concrete slab. Locate vertical expansion joints at 40'-0" max. spacing

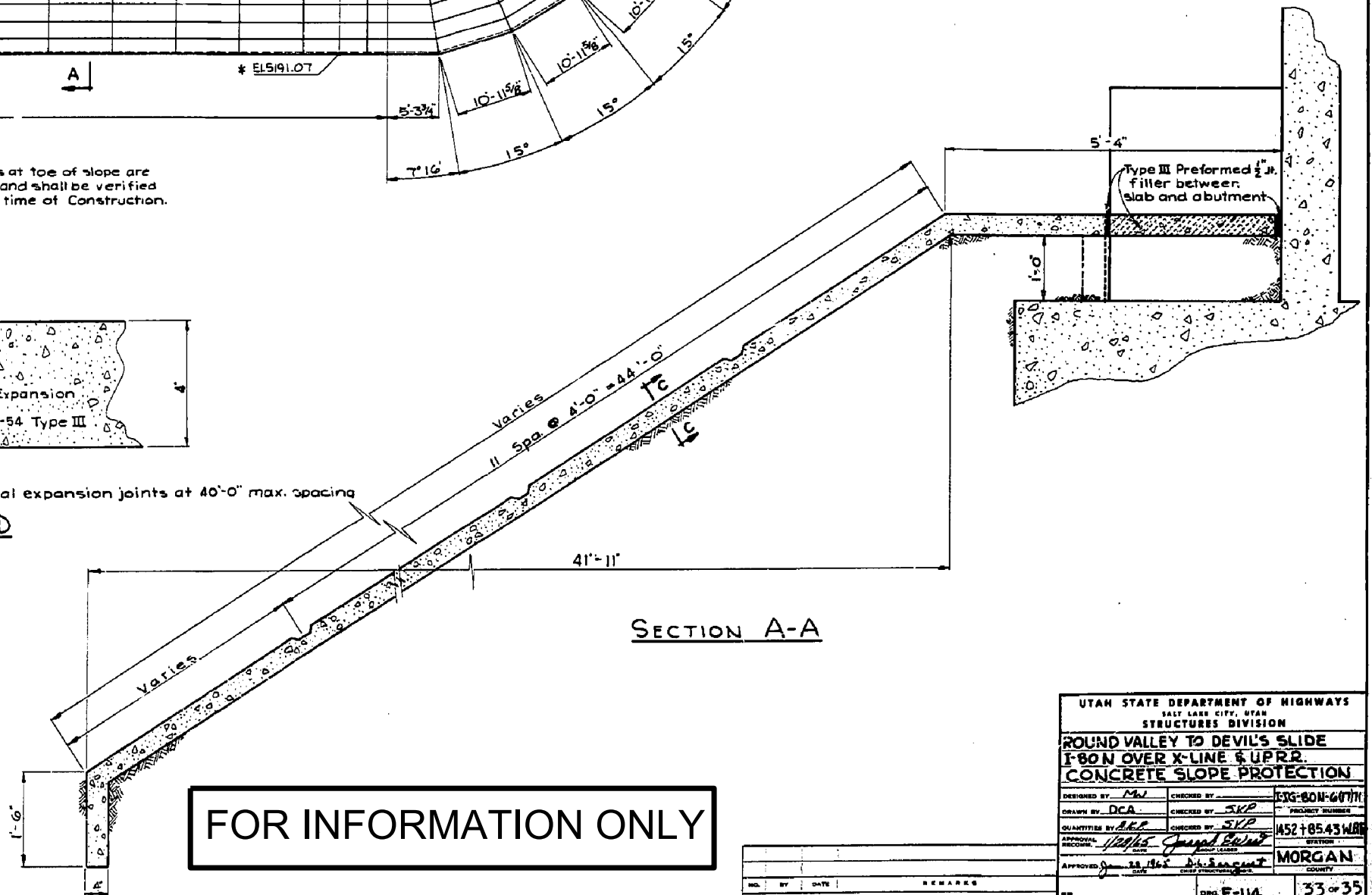
SECTION C-C

SECTION D-D



SECTION B-B
(Cut-off Wall Detail)

NOTE: Cut-off Wall is not included in exposed finished surface.



SECTION A-A

FOR INFORMATION ONLY

UTAH STATE DEPARTMENT OF HIGHWAYS SALT LAKE CITY, UTAH STRUCTURES DIVISION		
ROUND VALLEY TO DEVIL'S SLIDE I-80 N OVER X-LINE & UPRR. CONCRETE SLOPE PROTECTION		
DESIGNED BY: <i>MW</i>	CHECKED BY: <i>SKP</i>	PROJECT NUMBER: <i>FGS-80N-60771</i>
DRAWN BY: <i>DCA</i>	CHECKED BY: <i>SKP</i>	DATE: <i>4/52/85</i>
QUANTITIES BY: <i>AKP</i>	CHECKED BY: <i>SKP</i>	SECTION: <i>452+05.43 WAB</i>
APPROVAL RECORD: <i>[Signature]</i>	DATE: <i>4/22/85</i>	COUNTY: MORGAN
APPROVED: <i>[Signature]</i>	DATE: <i>4/22/85</i>	COUNTY: MORGAN
NO. BY DATE	REVISIONS	DRG. F-114
		33 of 35

MARK	LOCATION	SIZE NO.	NO. BARS	L'GTH.	TOTAL LENGTH	SKETCH
A1	Abutments	4	104	3:0	312:0	
A2		34	7:4	249:4		
A3		6	4:2	25:0		
A4		14	6:0	84:0		
A5		14	11:0	154:0		
A6		3	3:6	10:8		
A7		28	11:0	308:0	10:0	
A7a		6	3:3	19:6	2:3	
A8		14	11:0	154:0		
A9		6	7:0	42:0		
A10		4	74	3:1	228:2	
A11		5	188	8:4	1566:8	
A12		4	14	46:2	646:4	
A13		14	45:6	637:0		
A14		4	188	2:8	501:4	
A15		7	14	49:9	696:6	
A16		7	14	51:0	714:0	
A17		4	64	11:6	706:0	
A17a		34	18:6	425:0	1:7 4:2	
A17b		30	13:2	395:0	2:7 3:5	
A18		204	3:2	646:0		
A19		4	57	4:0	228:0	
A20		5	220	9:4	2053:4	
A21		4	16	53:0	848:0	
A22		8	14	58:6	819:0	
A23		8	14	62:6	875:0	
A24	Abutments	4	16	57:0	925:4	
A25	Abutments	4	4	54:6	218:0	
A26				58:0	232:0	
A27				46:0	184:0	
A28		4	46:6	186:0		
A29		16	11:0	176:0	10:0	
A29a		4	3:6	14:0	2:6	
A30		8	8:6	68:0		
A31		4	16	11	176:0	
A32		5	70	16:0	1120:0	
A33		4	16	11:0	176:0	10:0
A33a		4	4	3:6	14:0	2:6
A34		4	4	4:0	16:0	
A35		4	16	11:0	176:0	
A36	Abutments	8	10	1:10	18:4	
AS1	Approach Slab	4	62	11:10	733:8	
AS2		7	84	14:8	1232:0	
AS3		4	22	45:6	957:0	
AS4		7	3	43:9	131:3	
AS5		4	22	44:0	968:0	
AS6		7	3	44:3	132:3	
AS7		4	31	12:6	387:6	
AS8		7	41	16:3	666:3	
AS9		4	22	51:6	1133:0	
AS10		7	3	51:9	155:3	
AS11		1	31	13:10	428:10	
AS12		7	41	17:2	703:0	
AS13		7	3	55:0	165:0	
AS14		4	22	54:6	1199:0	
AS15	Approach Slab	4	124	8:5	1043:8	
C1	Columns	4	281	9:5	2646:1	
C2		10	3	23:8	71:0	
C3		3	22:11	68:9		
C4		3	22:1	66:3		
C5		6	25:7	152:6		
C6		6	24:11	149:6		
C7		6	24:0	144:0		
C8		3	23:3	69:6		
C9		3	26:3	78:9		
C10	Columns	10	3	25:1	75:3	
D1	Diaphragms	4	624	8:3	5148:0	
D2		4	42	10:0	1680:0	
D3		6	42	10:0	1680:0	
D4	Diaphragms	9	48	4:2	200:0	
H1	Bents	5	232	11:4	2629:4	3:2
H1a		16	11:0	176:0	3:0	
				10:8	170:8	2:10
				10:6	168:0	2:9
				10:4	165:4	2:8
				10:2	162:8	2:7
H2		5	16	9:10	157:4	2:5
		10	24	10:7	254:0	
H3		5	10	2:3	90:0	
H4		10	12	10:6	126:0	
H5		2	12:6	25:0		
H6		1	9:6	9:6		
H7		4	53:0	212:0		
H8		8	25:6	205:4		
H9		10	2	58:10	117:8	
H10		4	2	50:6	101:0	
H11		10	2	11:6	23:0	
H12		10	1	9:1	9:1	
H13		4	50:6	202:0		
H14		4	25:2	100:8		
H15		10	2	57:0	114:0	
H16		4	2	50:0	100:0	
H17	Bents	10	4	53:6	214:0	
H18	Bent	10	8	26:9	214:0	
H20		10	2	60:6	121:0	
H21		10	9	11:6	103:6	
H22		10	6	12:9	76:6	
H23		4	2	52:0	104:0	
H24		10	4	55:3	221:0	
H25		4	2	55:0	110:0	
H26		10	8	27:6	220:0	
H27		10	2	62:6	125:0	
H28		10	9	11:6	103:6	
H29		10	4	13:11	55:8	
H30	Bents	8	18	1:10	33:0	
P1	Parapet	4	56	2:6	140:0	1:4
P1	Wa Inside	4	56	3:9	210:0	2:7
P2	Wa Inside	4	468	3:4	1560:0	1:4
P2	Wq Outside	4	468	4:7	2145:0	2:7
P3	Wa Inside	5	275	5:6	1526:6	9"
P3	Wq Outside	5	275	6:9	1856:3	2:0
P4		4	456	2:9	1254:0	
P5	a & b	5	16	24:11	398:8	
P5	c	8	24:0	192:0		
P5	d	8	24:8	197:4		
P5	e	8	24:9	198:0		
P5	f	8	35:7	284:8		
P5	g	8	25:6	204:0		
P5	h	8	25:10	206:8		
P5	i	8	24:11	199:4		
P5	k & l Parapet	5	16	24:2	386:8	

REVISOR BY DATE
 REVISOR BY DATE
 REVISOR BY DATE
 REVISOR BY DATE

UTAH STATE DEPARTMENT OF HIGHWAYS
 SALT LAKE CITY, UTAH
 STRUCTURES DIVISION
**ROUND VALLEY TO DEVILS SLIDE
 T-BON OVER "X" LINE & U.P.R.R.
 REINFORCING STEEL SCHEDULE**
 DESIGNED BY: J.E.M. CHECKED BY: J.E.M.
 DRAWN BY: J.E.M. CHECKED BY: J.E.M.
 QUANTITIES BY: J.E.M. CHECKED BY: J.E.M.
 APPROVED BY: J.E.M. CHECKED BY: J.E.M.
 APPROVED BY: J.E.M. CHECKED BY: J.E.M.
 No. By Date Revisions
 1. J.E.M. 12/23/54 Added A-17a Bars
 2. B.T. 5-5-54 CHANGED NO. OF A17a ADDED A17b
 3. W.L.A. 12/23/54 Added A-17a Bars
 F-114 34035

FOR INFORMATION ONLY

