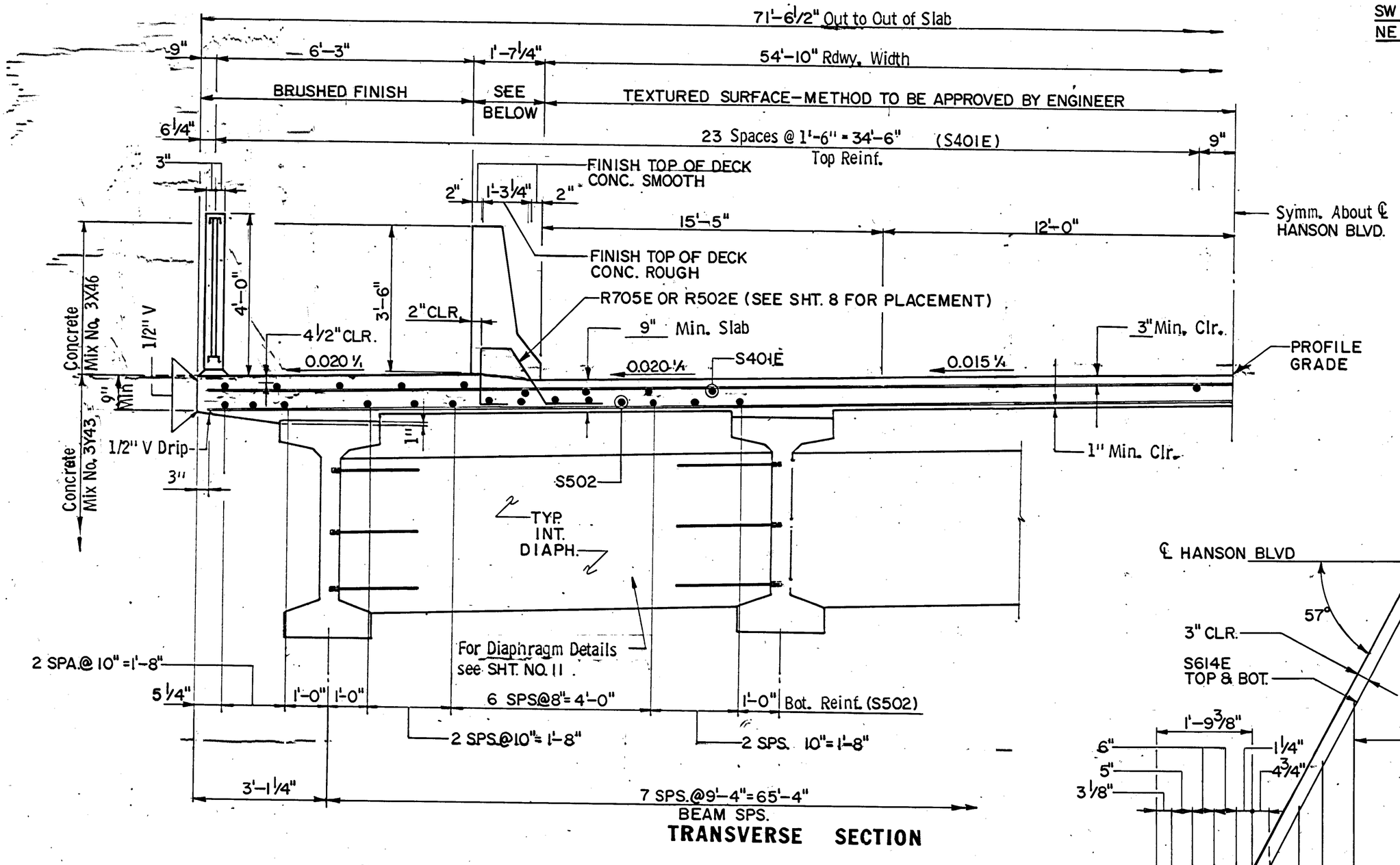
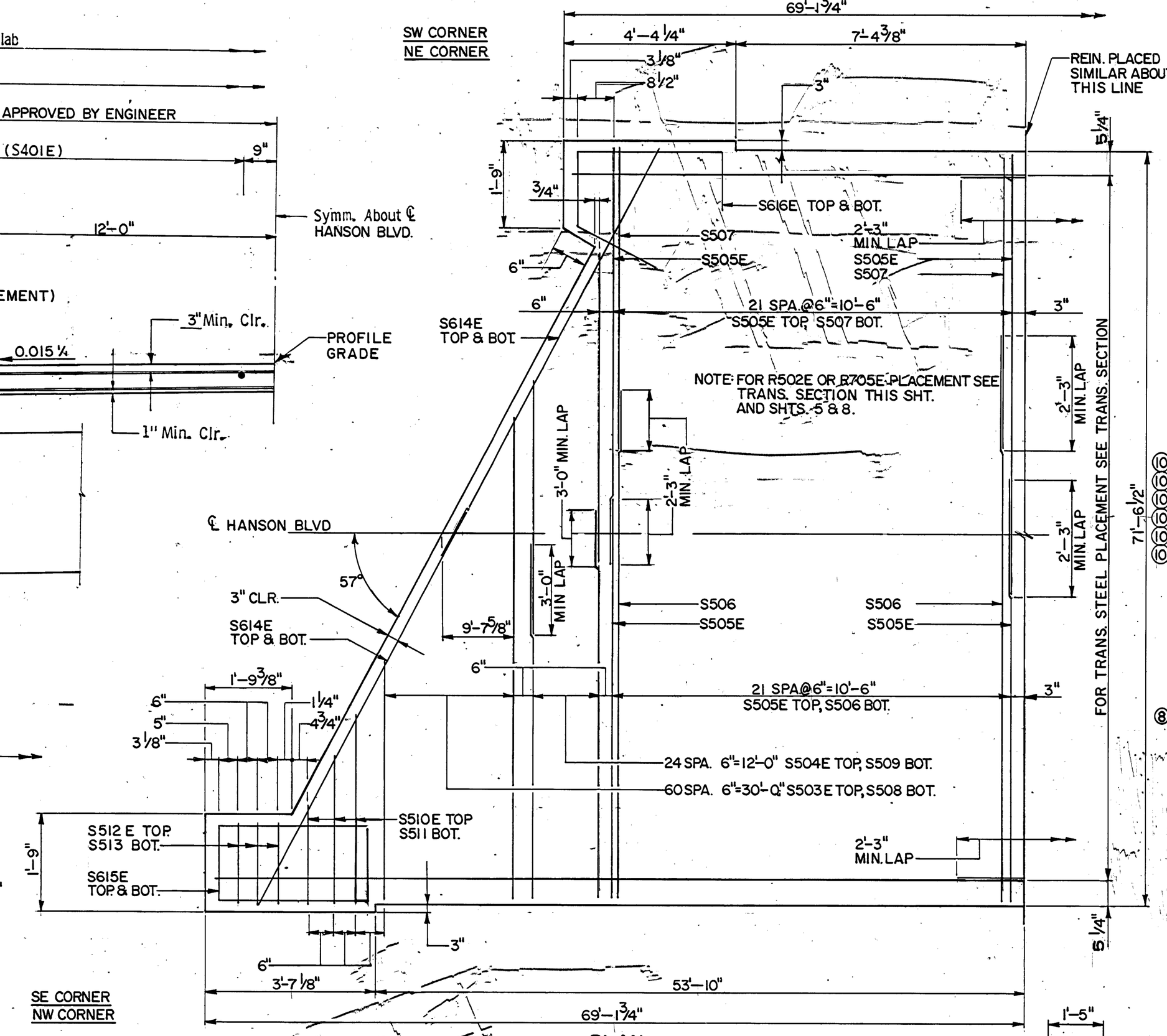
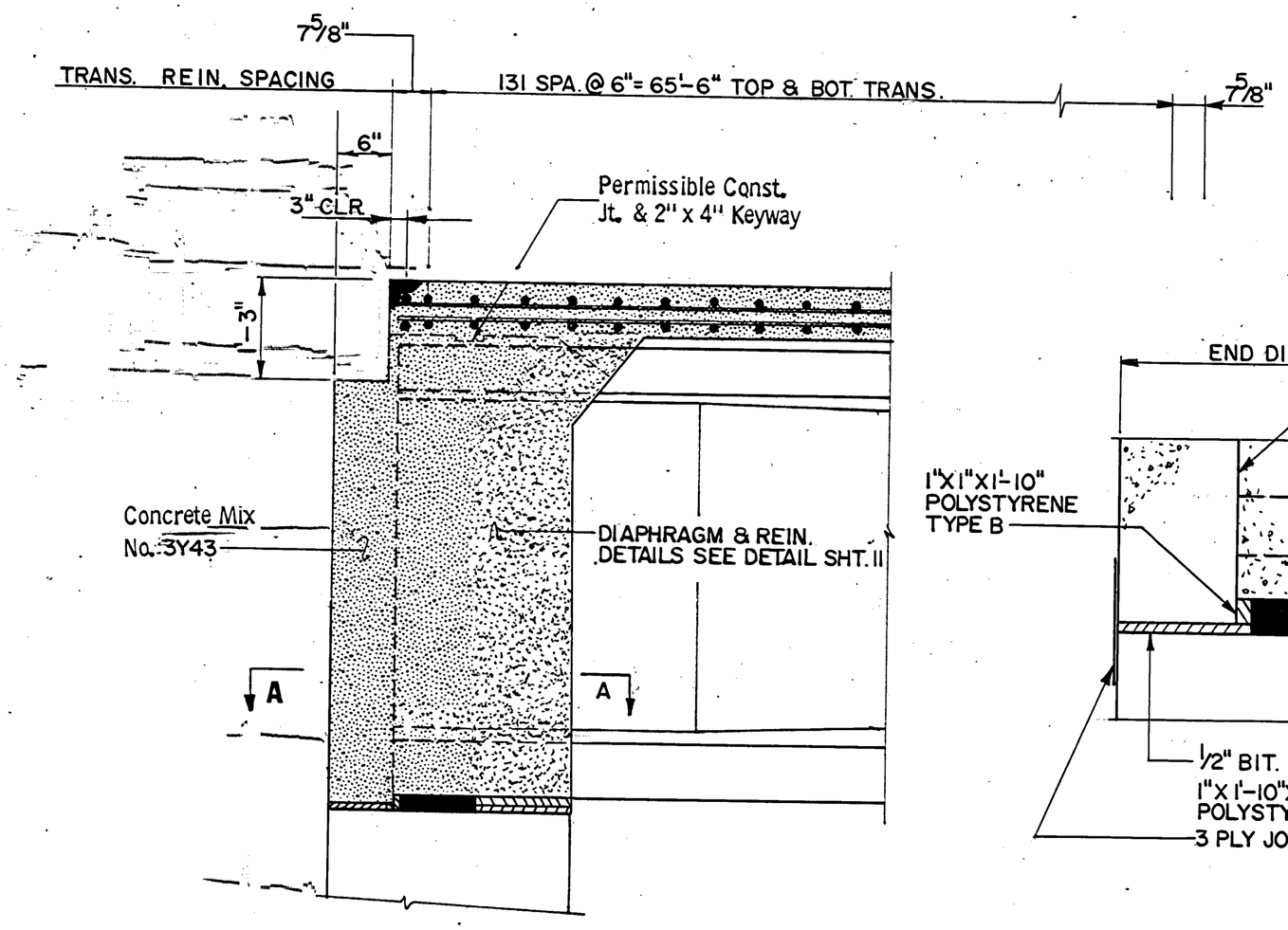


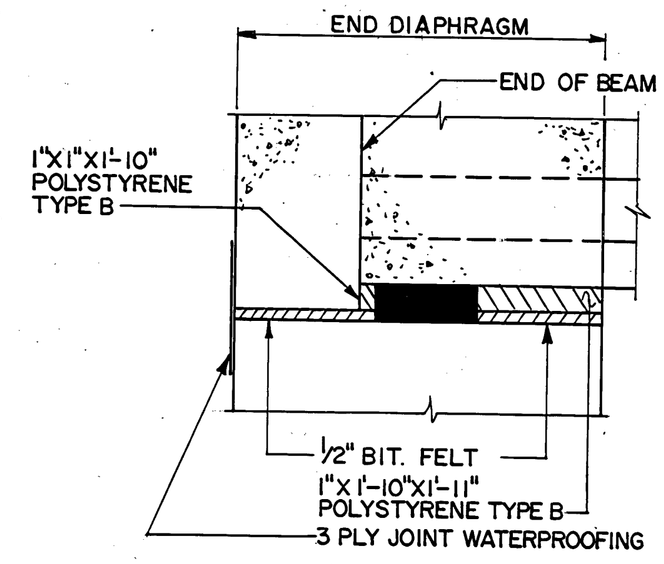
TRANSVERSE SECTION



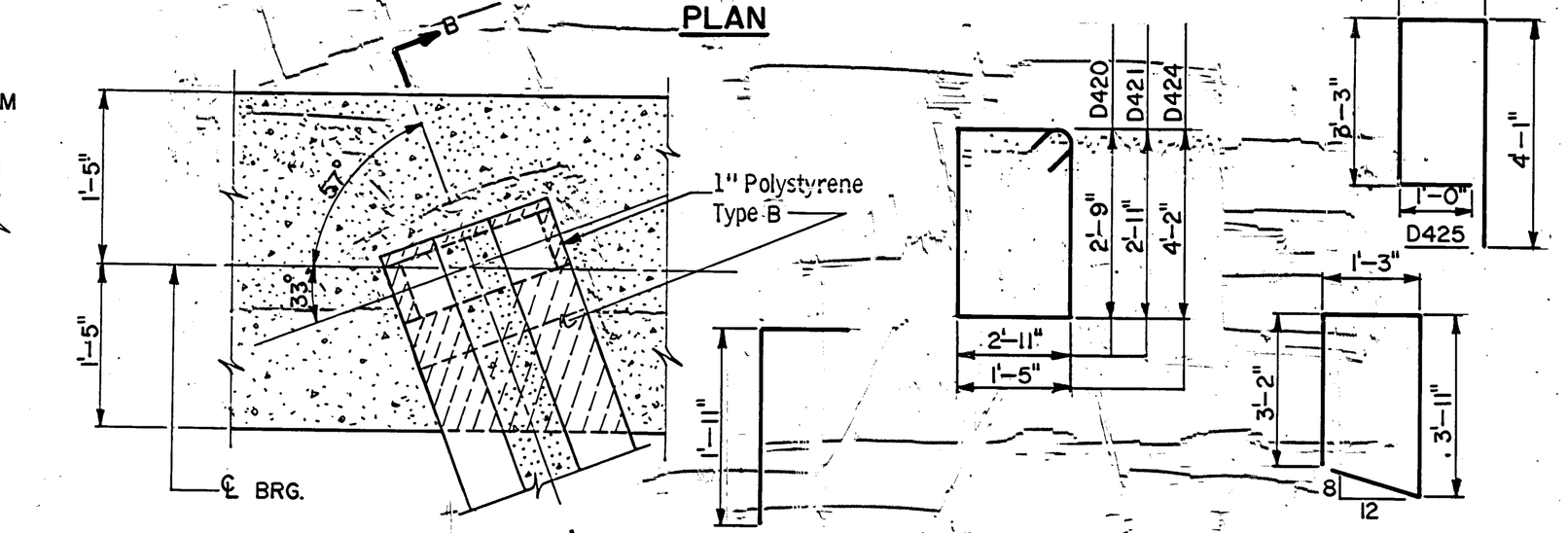
PLAN



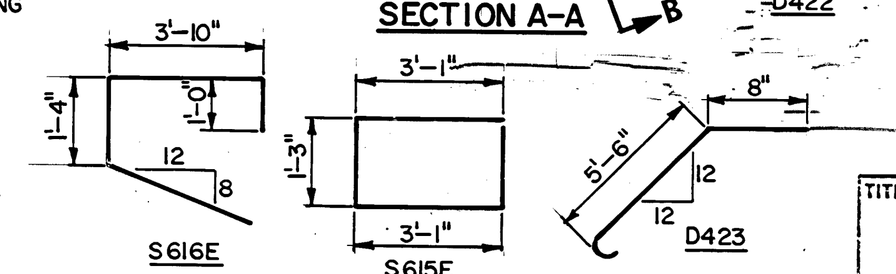
ABUTMENTS
(SECTION ALONG ℄ HANSON BLVD.)



SECTION B-B



SECTION A-A



BILL OF REINFORCEMENT

BAR	NO.	LENGTH	SHAPE	LOCATION
S401E	96	35'-2"	STRT.	TOP LONG.
S502	166	35'-4"	STRT.	BOT. LONG.
S503E	TWO SETS OF 61	4'-0" TO 50'-2"	STRT.	TOP TRANS.
S504E	FOUR SETS OF 25	27'-0" TO 36'-3"	STRT.	TOP TRANS.
S505E	88	36'-10"	STRT.	TOP TRANS.
S506	44	41'-5"	STRT.	BOT. TRANS.
S507	44	32'-3"	STRT.	BOT. TRANS.
S508	TWO SETS OF 61	4'-0" TO 50'-2"	STRT.	BOT. TRANS.
S509	FOUR SETS OF 25	27'-0" TO 36'-3"	STRT.	BOT. TRANS.
S510E	TWO SETS OF 3	1'-11" TO 3'-6"	STRT.	TOP TRANS.
S511	TWO SETS OF 3	1'-11" TO 3'-6"	STRT.	BOT. TRANS.
S512E	6	1'-5"	STRT.	TOP TRANS.
S513	6	1'-5"	STRT.	BOT. TRANS.
S614E	8	43'-11"	STRT.	TOP & BOT. TRANS.
S615E	4	8'-5"	BENT.	TOP & BOT. CORNERS
S616E	4	8'-5"	BENT.	TOP & BOT. CORNERS
⑩ D420	32	12'-1"	BENT.	VERTICAL
⑩ D421	74	12'-5"	BENT	VERT.
⑩ D422	212	2'-7"	BENT	VERT. DOWEL
⑩ D423	104	6'-8"	BENT	VERT. DOWEL
⑩ D424	16	11'-11"	BENT	VERT.
⑩ D425	8	9'-9"	BENT	HORIZ. CORNERS

SUMMARY OF QUANTITIES FOR SUPERSTRUCTURE

⑧ ⑤	BRIDGE SLAB CONC. MIX NO. 3X33	4777 Sq. Ft.
⑧ ③	Concrete, Mix No. 3Y43	52 Cu. Yd.
⑥ ⑧	Type J Railing Conc. Mix. No. 3X46	132 Lin. Ft.
③ ④	Reinforcement Bars	19730 Pound
⑧ ① ④	Reinforcement Bars (Epoxy Coated)	16100 Pound
⑧	Elastomeric Bearing Pad - Type 1	16 Each
	ORN. METAL RAIL TYPE SI	171 LIN. FT.
②	Bridge Name Plate	1 Unit
⑧ ②	3 - Ply Joint Waterproofing	190 Lin. Ft.
⑧ ②	1" Polystyrene - Type B	160 Sq. Ft.
②	NEOPRENE COMPRESSION SEAL	36 LIN. FT.
⑦ ②	STRUCTURAL STEEL (3306)	1090 LBS.
⑧ ②	1/2" Bit. Felt	680 Sq. Ft.
⑧ ④	Diaphragms For Prest. Conc. Beams	66 Lin. Ft.
⑧	Prestressed Concrete Beams, Type 40-66	8 Each

① INCLUDES RAILING REINFORCEMENT.
② TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS.
③ INCLUDES ABUT. DIAPHRAGMS.
④ INCLUDES DECK REINFORCEMENT.
⑤ BRIDGE SLAB CONC. (MIX NO. 3X33) VOLUME IS APPROX. 152 CU. YDS., BASED ON AN AVERAGE STOOL HEIGHT OF 1-3/4 INCHES.
⑥ TYPE J RAILING CONC. (MIX NO. 3X46) VOLUME IS APPROX. 18 CU. YDS.
⑦ INCLUDES PROTECTION ANGLES & GUARDRAIL CONNECTIONS.
⑧ SEE SPECIAL PROVISIONS.
⑨ CUT IN FIELD AS NECESSARY.
⑩ SEE DETAIL B810 FOR PLACING

⑩ BILL OF REINFORCEMENT

BAR	NO	LENGTH	SHAPE	LOCATION
D426	8	9'-4"	BENT	HORIZ. CORNERS
D427	24	30'-2"	STRT.	HORIZ. BACKFACE
D528	32	6'-0"	STRT.	HORIZ. BM. DOWELS
D429	60	9'-11"	STRT.	HORIZ.
D430	28	8'-4"	STRT.	HORIZ.
D431	64	4'-6"	BENT.	BEAM ENDS
⑨ D432	8	3'-3"	STRT	HORIZ. CORNERS
⑨ D433	8	4'-3"	BENT.	HORIZ. CORNERS
D434	14	5'-4"	STRT.	HORIZ SEAT SLOPES

S.A.P. NO. 02-678-03

TITLE: **SUPERSTRUCTURE DETAILS**
Prestressed Conc. Beam (1-Span) Right Skew

DES: J.D.S.	DR: D.A.O.	APPROVED: 12-22-81
CHK: D.H.B.	CHK: J.D.S.	

Sheet No. 6R of 16 Sheets

Bridge No. 02539

NORTHSTAR # 117