

GENERAL NOTES

DESIGN SPECIFICATIONS

THE REPAIRS TO THIS STRUCTURE INCLUDED IN THESE DRAWINGS CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, INCLUDING THE 1983, 1984 AND 1985 INTERIM SPECIFICATIONS AND THE OHIO "SUPPLEMENT" TO THESE SPECIFICATIONS.

DESIGN LOADING

DESIGN LOADING HS20-44
 CONCRETE CLASS 5 COMPRESSIVE STRENGTH 4500 P.S.I.
 REINFORCING STEEL ASTM A615, A616, A617 - GRADE 60 MINIMUM YIELD STRENGTH 60,000 P.S.I.
 DECK PROTECTION METHOD EPOXY COATED REINFORCING STEEL, BOTH MATS

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES TO BE 1" THICK.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND/OR FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.02.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

REMOVAL OF EXISTING STRUCTURE

WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC A PORTION OF THE EXISTING STRUCTURE SHALL BE REMOVED TO THE LIMITS SHOWN ON THE DRAWINGS.

UTILITY LINES

ALL EXPENSE INVOLVED IN RELOCATING (INSTALLING) THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE UTILITY COMPANY. THE CONTRACTOR AND UTILITY COMPANY ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

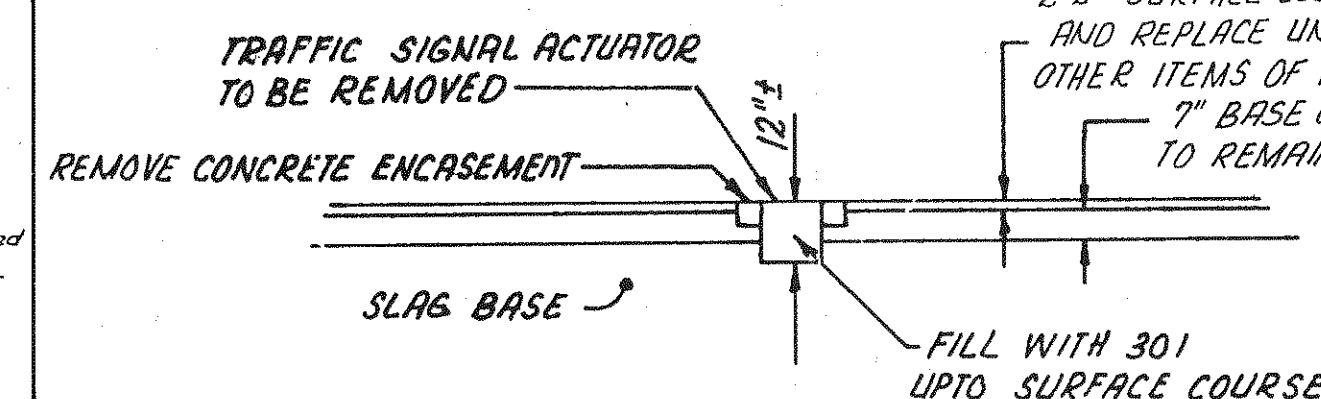
MAINTENANCE OF TRAFFIC

GENERALLY THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAKE THE PROPOSED REPAIR WITH A MINIMUM OF HAZARD, DELAY, AND INCONVENIENCE TO THE MOTORISTS USING THE ROADWAYS AFFECTED BY THE WORK UNDER THIS CONTRACT. THE SPECIFIC DETAILS SHOWN ON THESE PLANS ARE INTENDED TO SUPPLEMENT THE REQUIREMENTS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

BRIDGE DECK ELEVATIONS

IN ORDER TO MEET ROADWAY GRADES, TO ASSURE THE CONSTRUCTION OF THE REQUIRED THICKNESS OF DECK SLABS AND TO ASSURE THE PROPER LOCATION OF THE REINFORCING STEEL IN THE DECK SLAB: THE CONTRACTOR SHALL OBTAIN THE ELEVATIONS OF THE TOP OF EXISTING STEEL BEAMS AFTER THE COMPLETE REMOVAL OF THE EXISTING DECK SLAB AT THE LOCATIONS SHOWN IN THE SCREED ELEVATIONS DETAIL ON SHEET 3 OF 3. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE TOP OF BEAM ELEVATIONS. SCREED PAVEMENT ELEVATIONS SHALL BE CALCULATED AT THIS TIME BY THE ENGINEER. THESE CALCULATED SCREED PAVEMENT ELEVATIONS WILL BE GIVEN TO THE CONTRACTOR AND USED TO SET SCREEDS FOR POURING THE NEW CONCRETE DECK.

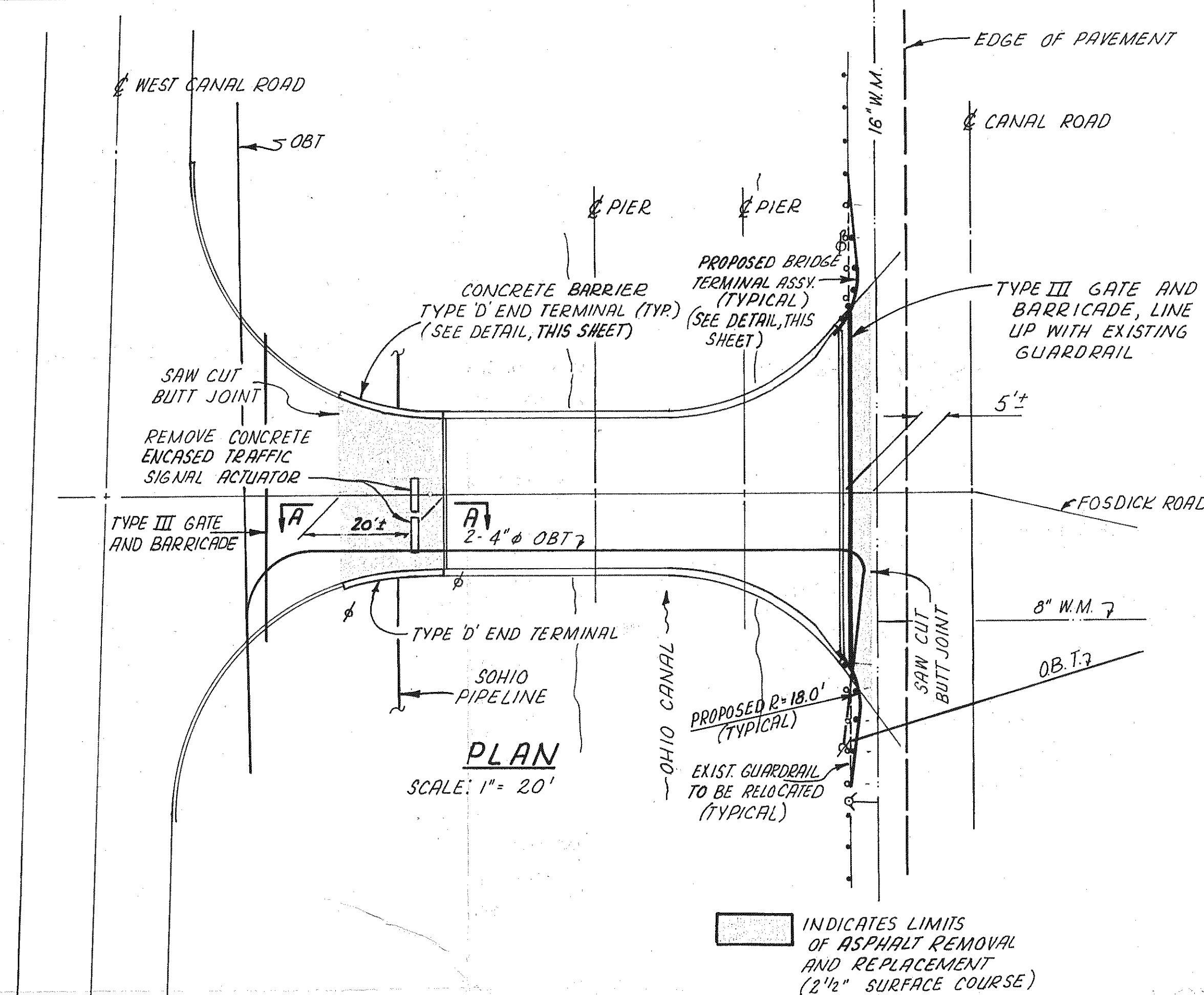
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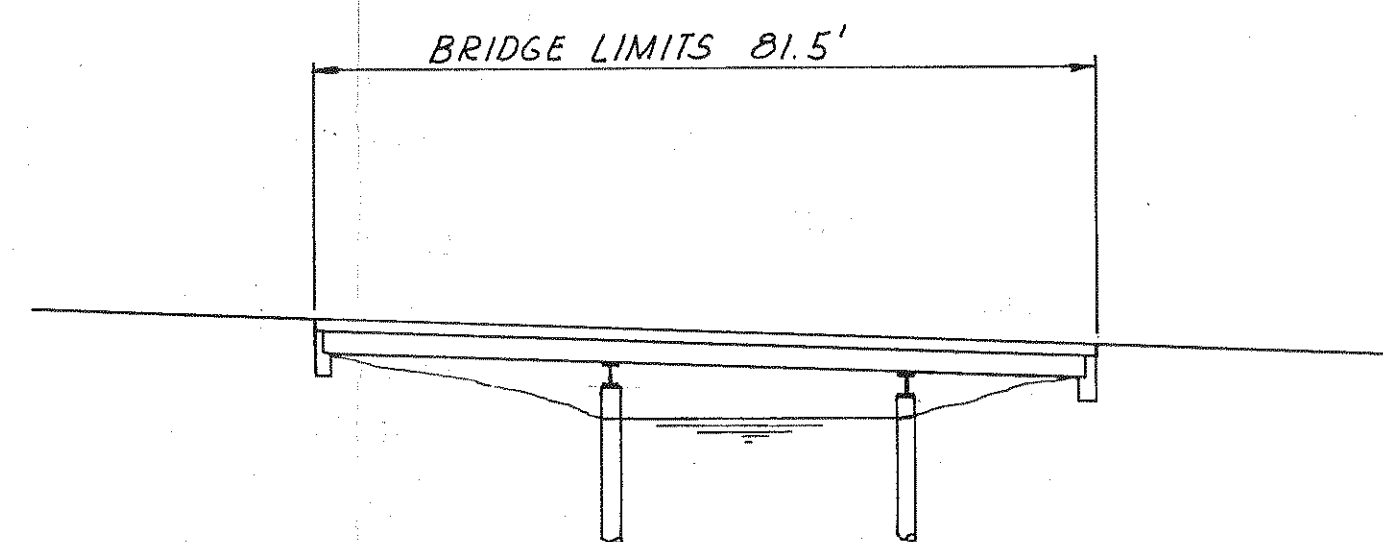
SECTION A-A

ALL WORK AND MATERIALS TO BE INCLUDED WITH ITEM SPECIAL "REMOVE TRAFFIC SIGNAL ACTUATOR, REPAIR PAVEMENT"

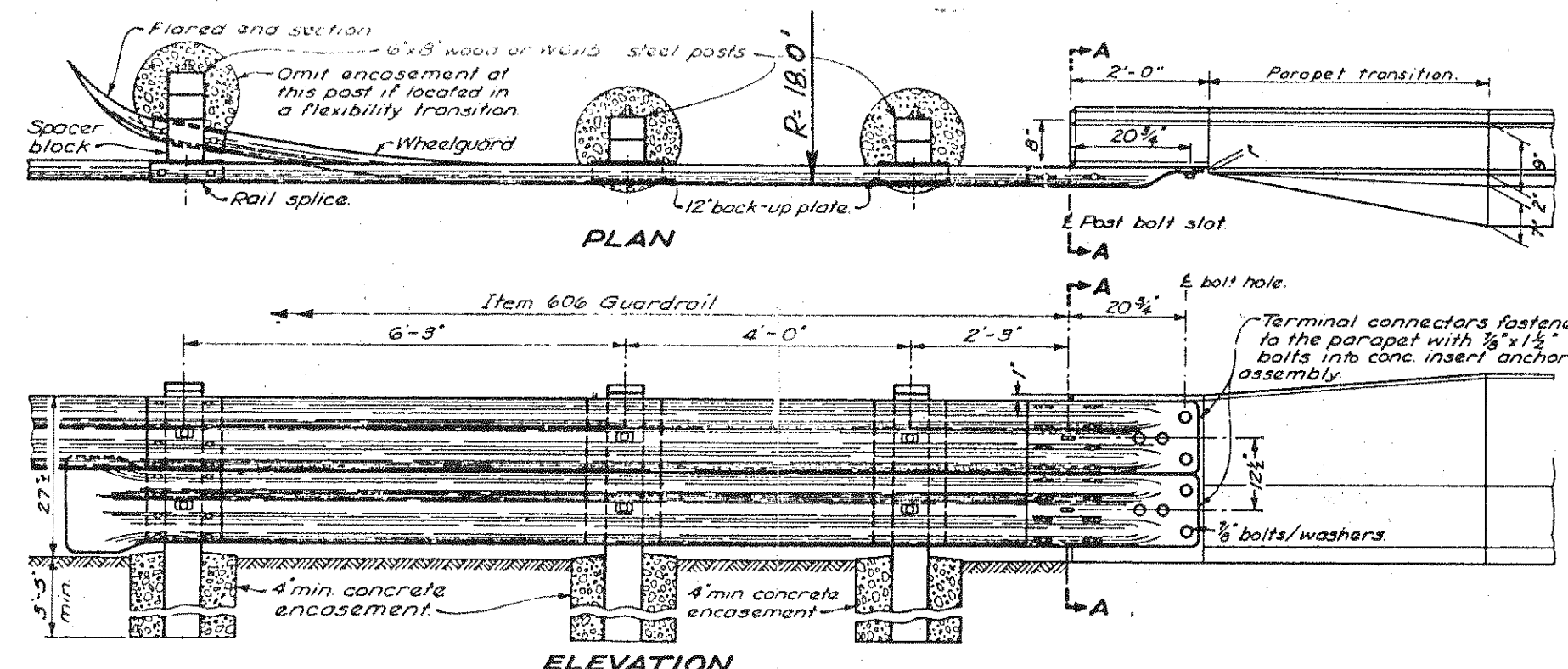
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CONSULTING ENGINEERS CLEVELAND, OHIO 44131					
SITE PLAN - GENERAL NOTES AND DETOUR PLAN					
FOSDICK ROAD OVER OHIO CANAL					
DESIGNED	DRAWN	CHECKED	REVIEWED	DATE	REVISED
DRJ	DRJ	J.R.C.	R.D.H.	12-22-86	



ELEVATION

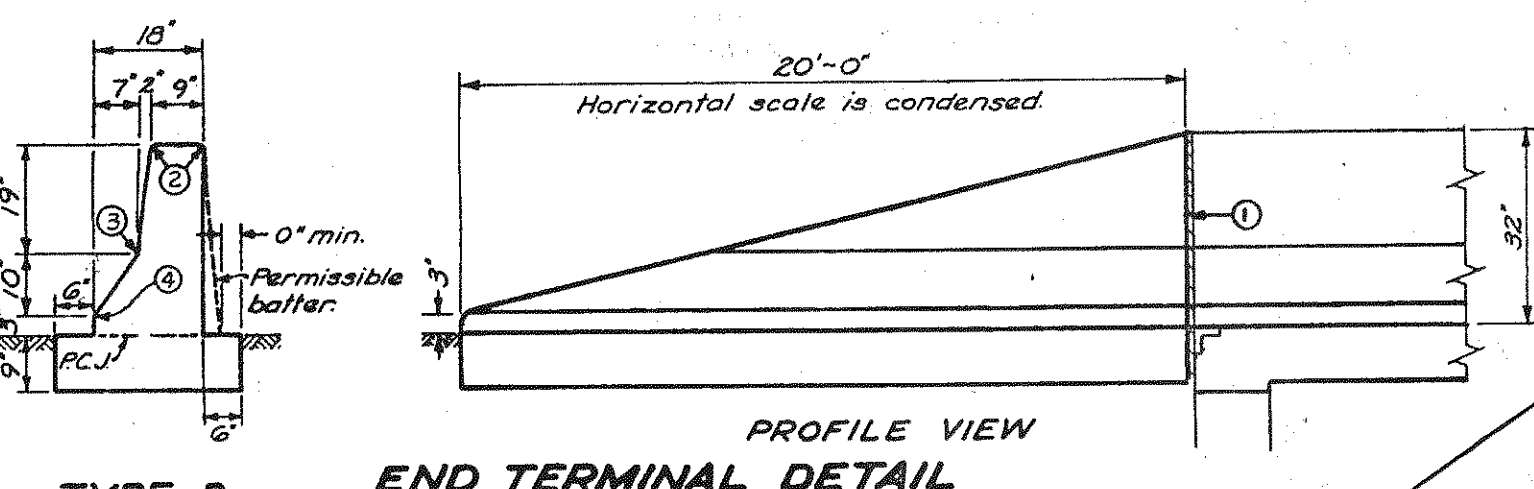
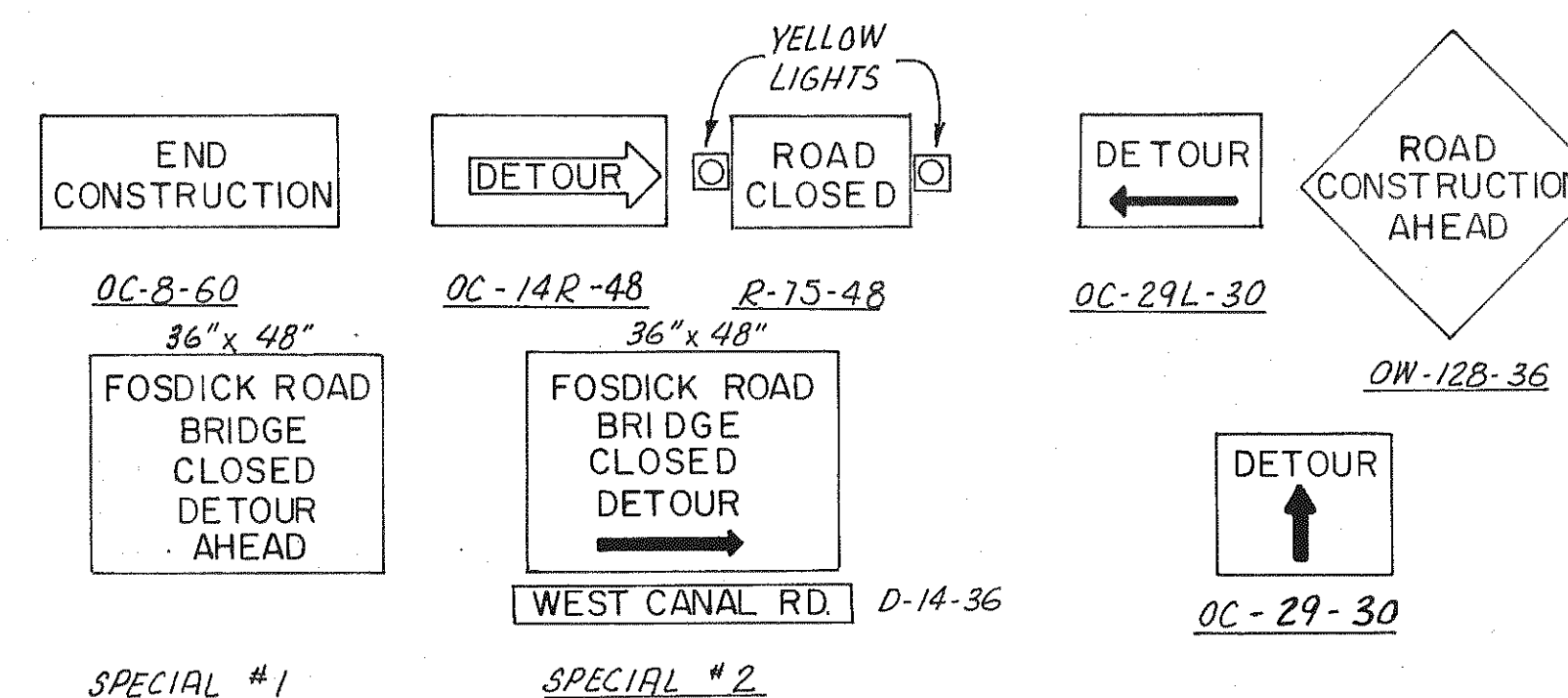


BRIDGE TERMINAL ASSEMBLY



ELEVATION

DETOUR PLAN



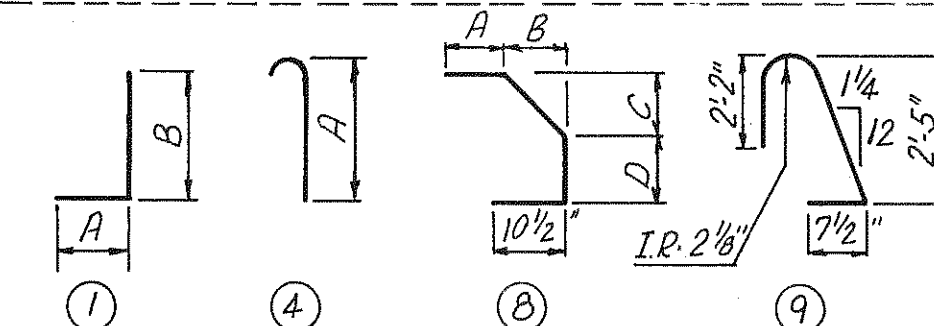
END TERMINAL DETAIL

- LEGEND
- Expansion joint, 3/4" min. Prefrmed Filler 705.03
 - 1" Radius or 3/4" chamfer
 - Permissible 10" radius
 - Permissible 1" radius

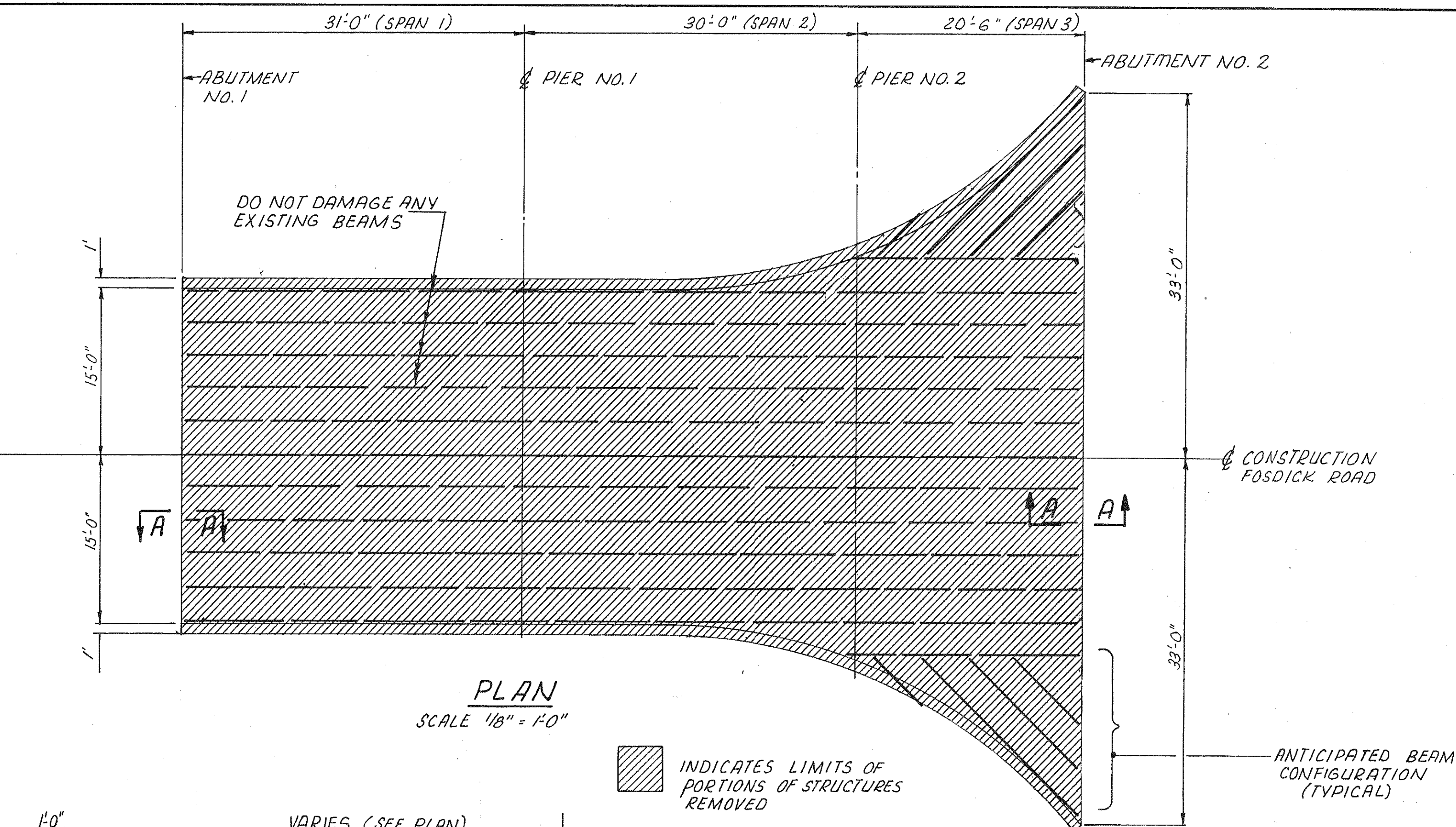
SCALE: 3/8" = 1'-0"

REINFORCING SCHEDULE

MARK	NUMBER REQUIRED	LENGTH FT IN	TYPE	DIM A FT IN	DIM B FT IN	DIM C FT IN	DIM D FT IN	INCREMENT IN	WEIGHT (LBS.)
SUPERSTRUCTURE EPOXY COATED									
SE 501	124	32 8	STR						4225
SE 502	4 SER. 20 BARS	17 2 20 1	STR					1 13/16	1554
SE 503	4 SER. 15 BARS	20 5 27 2	STR					5 13/16	1489
SE 504	4 SER. 11 BARS	27 11 37 8	STR					11 11/16	1505
SE 505	4	36 5	STR						152
SE 506	108	2 1	STR	0 10	1 4				235
SE 507	108	3 0	STR	0 9	0 6	0 3	0 8		338
SE 508	108	5 3	STR						591
SE 509	2 SER. 5 BARS	2 8 3 0	STR	0 7 0 9	0 2 0 6	0 3 0 3	0 8 0 8	1	30
SE 510	22	3 6	STR	1 0	2 7				80
SE 511	8	14 6	STR						121
SE 512	64	7 0	STR						467
SE 513	8	10 2	STR						85
SE 514	108	2 3	STR	1 0	1 4				249
SE 515	16	4 4	STR						72
SE 516	10	2 8	STR	2 1					28
TOTAL WEIGHT									11221
SE 401	158	30 0	STR						3166
SE 402	67	23 8	STR						1059
SE 403	2	27 6	STR						37
SE 404	2	23 0	STR					2 5	31
SE 405	2 SER. 3 BARS	17 0 12 2	STR					1 7	58
SE 406	2 SER. 3 BARS	10 3 7 1	STR					1 1	35
SE 407	2 SER. 3 BARS	4 5 2 3	STR						13
SE 408	2	24 6	STR						33
SE 409	2	20 5	STR						27
SE 410	2	5 8	STR						8
SE 411	2 SER. 3 BARS	19 8 14 10	STR					2 5	69
SE 412	2 SER. 3 BARS	12 11 9 9	STR					1 7	45
SE 413	2 SER. 3 BARS	8 3 5 11	STR					1 2	28
SE 414	48	12 6	STR						401
SE 415	2 SER. 4 BARS	4 10 2 0	STR					5/16	18
TOTAL WEIGHT									5028

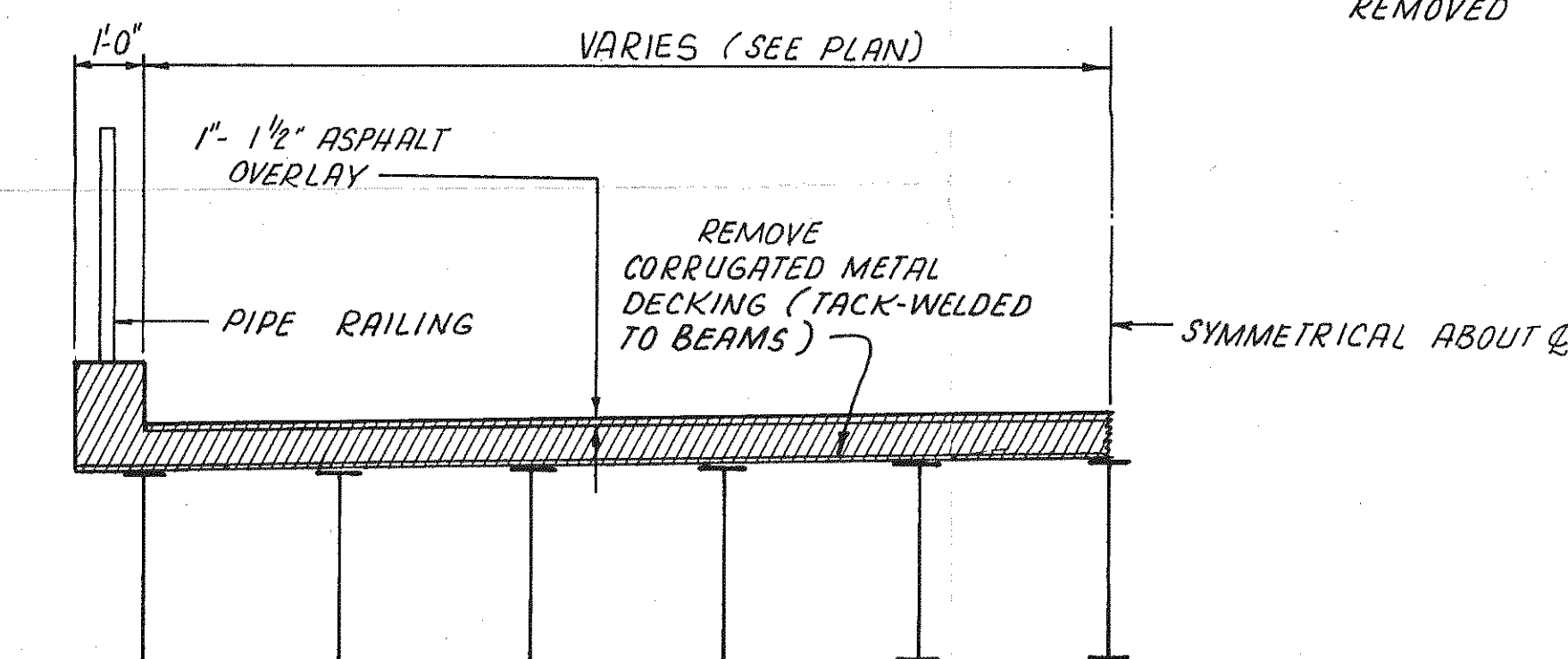


BENDING DIAGRAMS

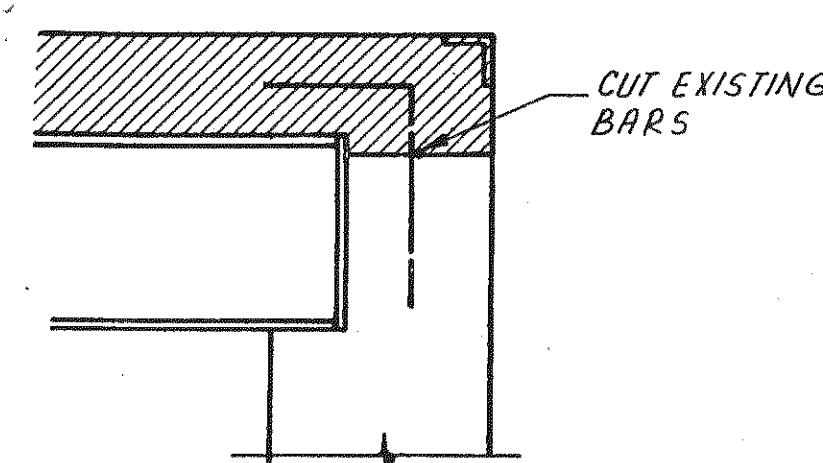


PLAN

SCALE 1/8" = 1'-0"



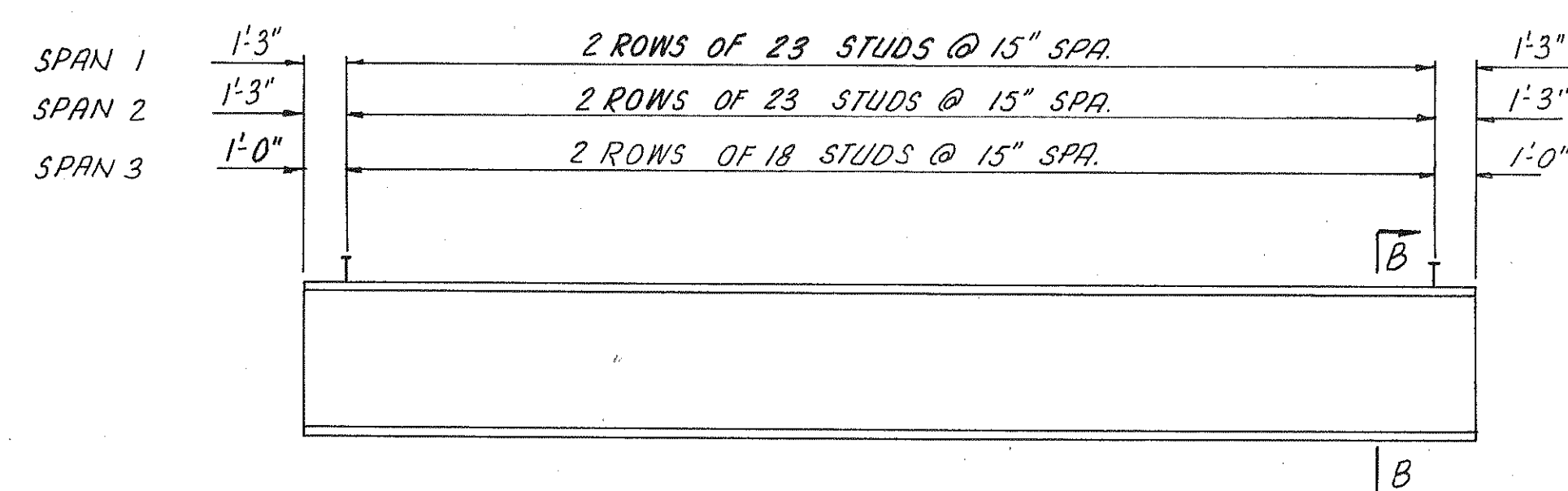
EXISTING HALF-TRANSVERSE SECTION



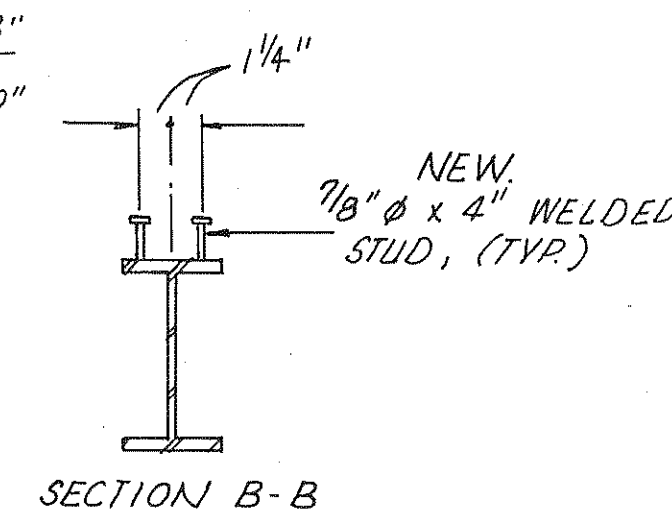
SECTION A-A

DEMOLITION DETAILS

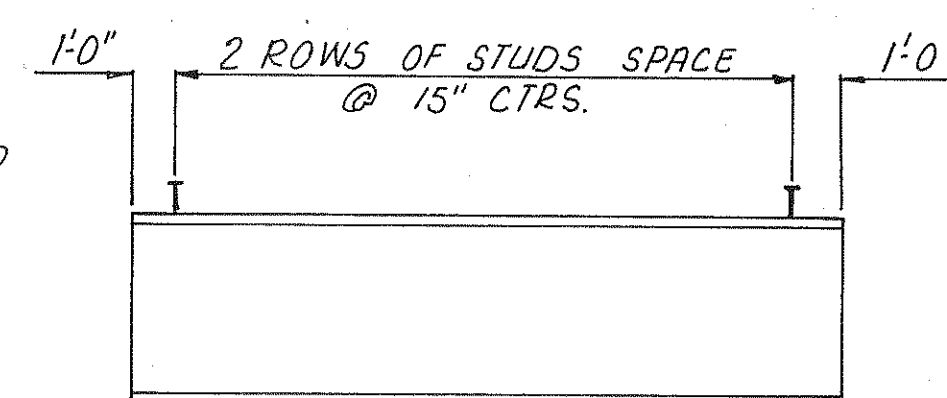
IT IS NOT THE INTENT OF THE DEMOLITION PLAN TO SHOW EVERY DETAIL OF THE EXISTING STRUCTURE. ONLY THOSE DETAILS NECESSARY TO INDICATE LIMITS OF REMOVAL ARE INCLUDED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT THE STRUCTURE AND VERIFY EXISTING CONDITIONS TO HIS OWN SATISFACTION.



SHEAR STUD DETAILS (PROPOSED)



SECTION B-B

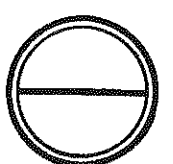


SHEAR STUD DETAILS FOR REMAINING BEAMS (SPAN 3) (PROPOSED)

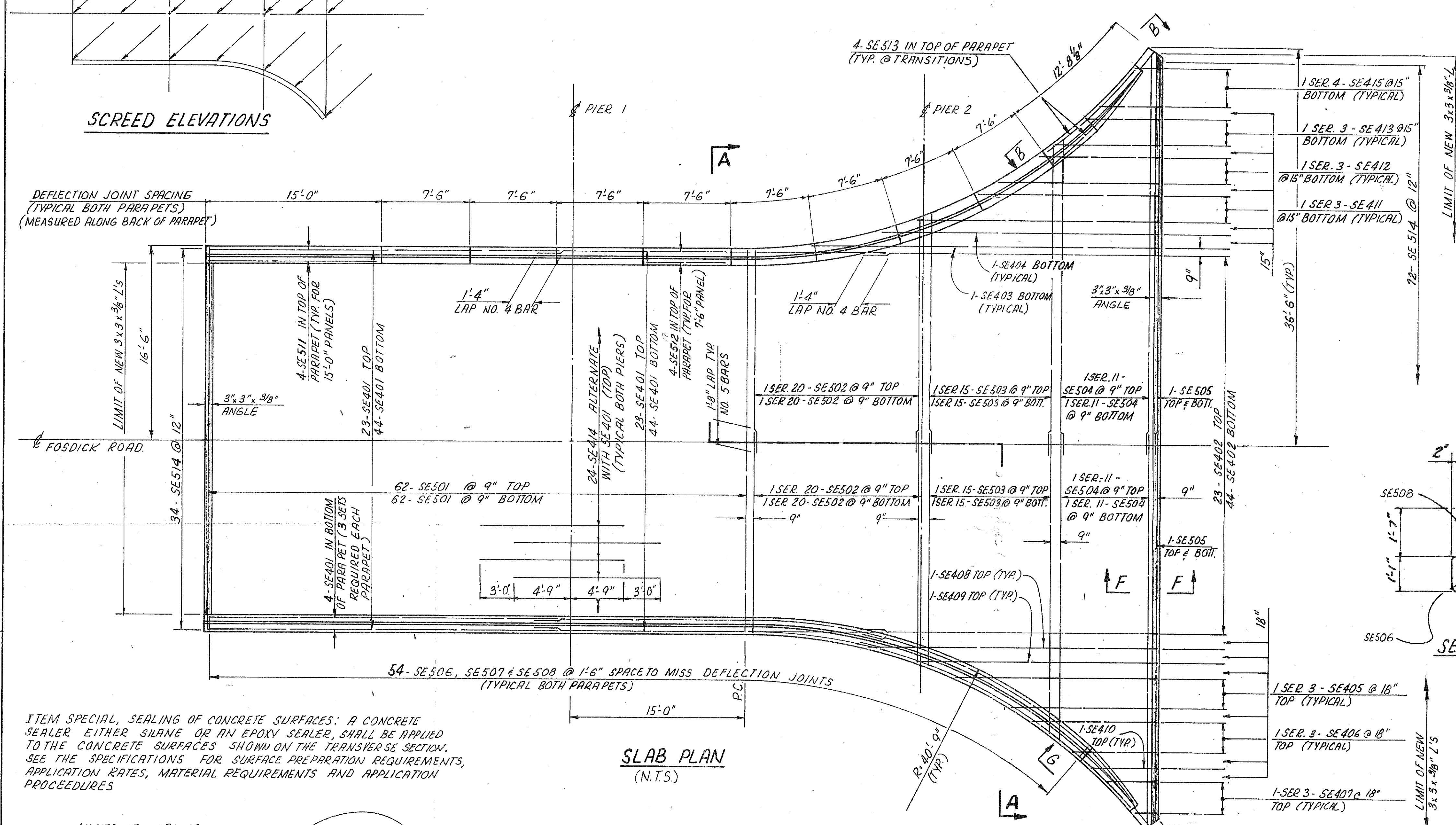
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DEMOLITION PLAN,
REINFORCING SCHEDULE,
AND MISCELLANEOUS DETAILS
FOSDICK ROAD
OVER
OHIO CANAL

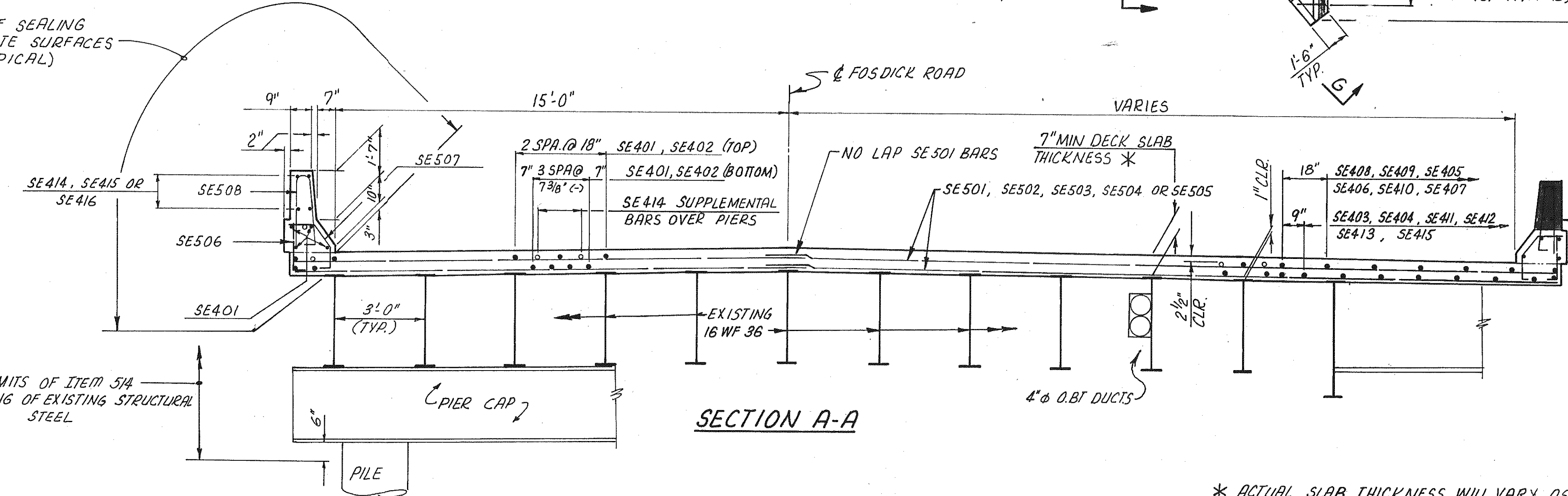
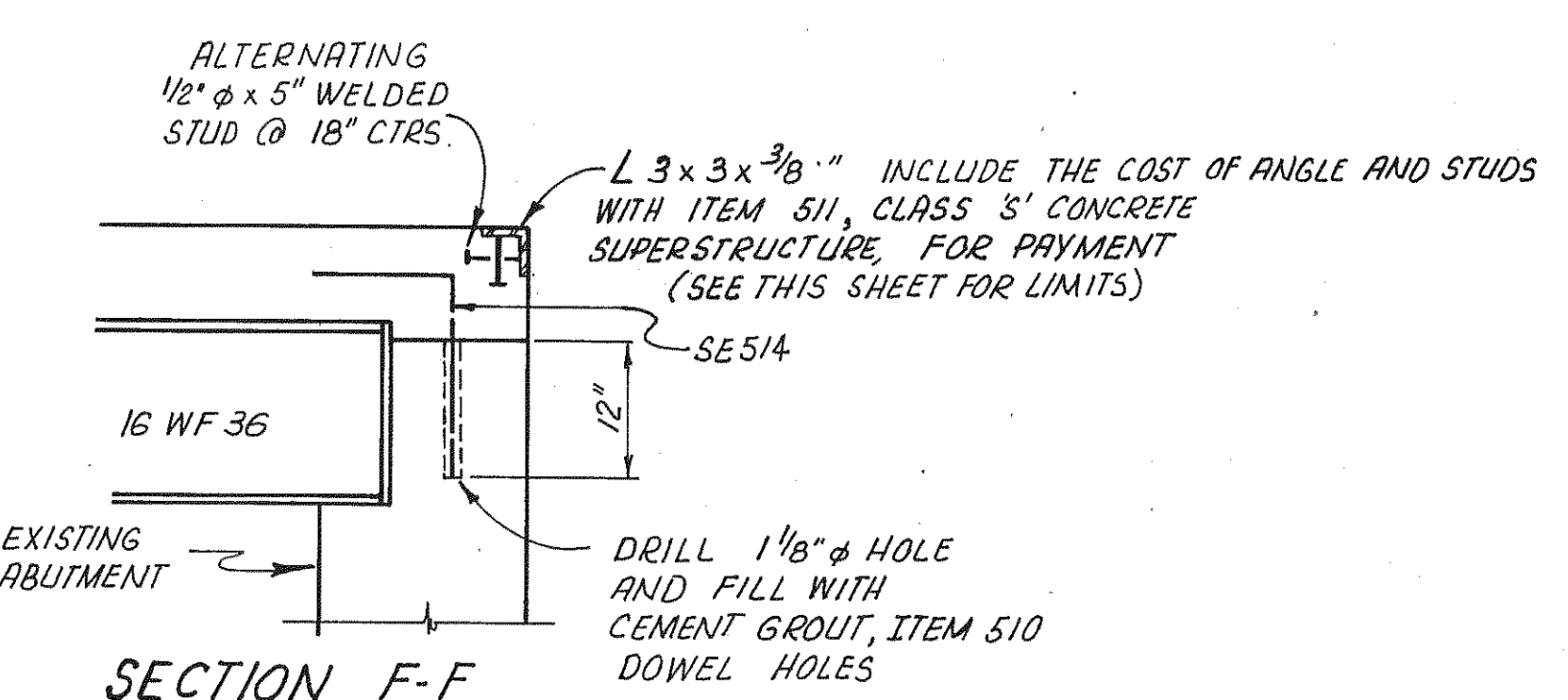
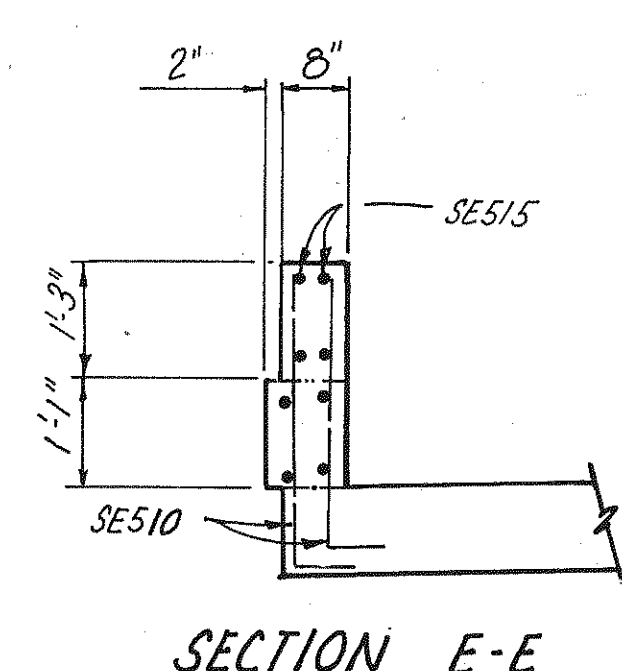
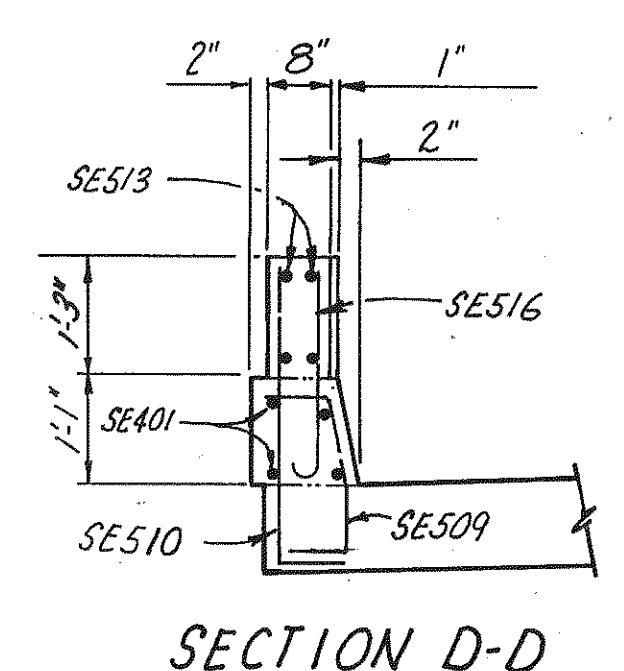
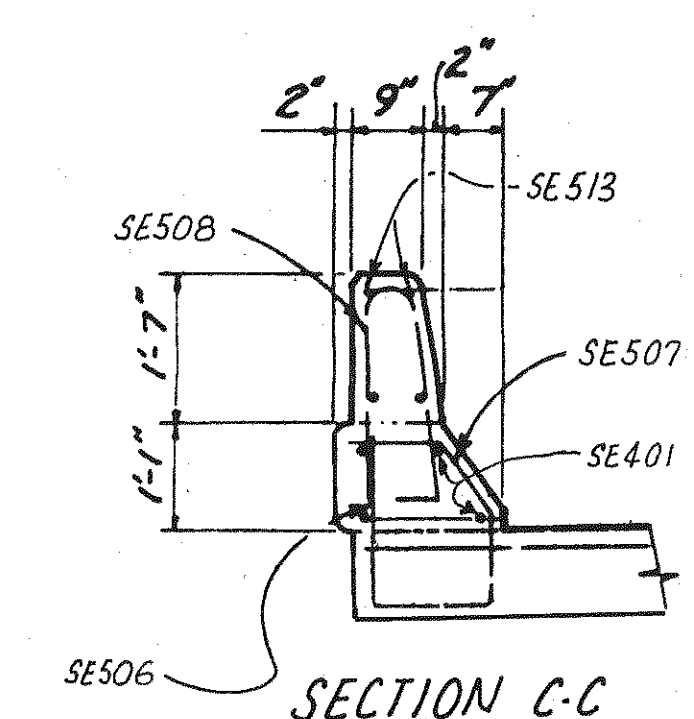
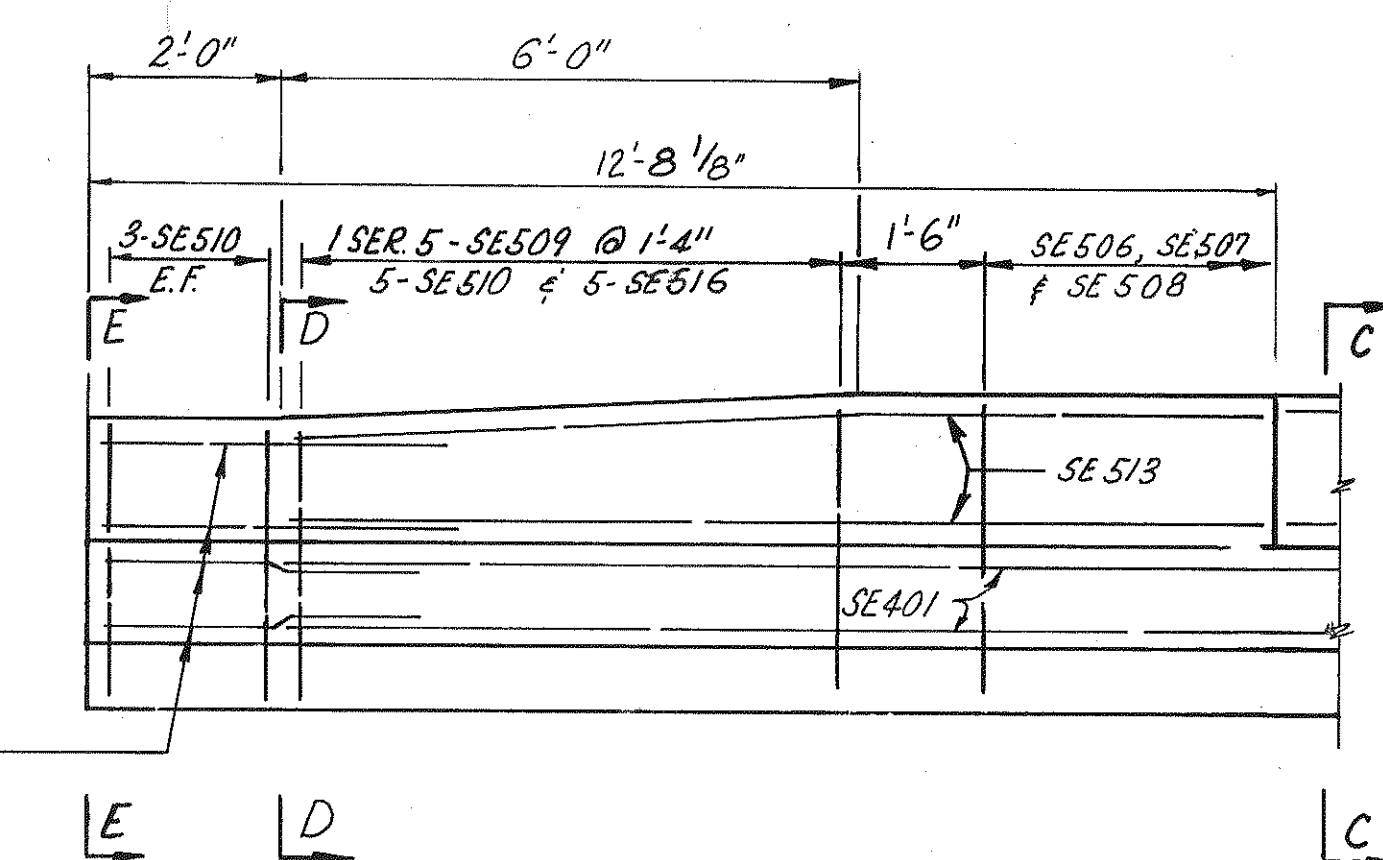
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J.R.C.	DEJ	J.R.C.	R.D.H.	12-22-86	



SCREED ELEVATIONS



ITEM SPECIAL, SEALING OF CONCRETE SURFACES: A CONCRETE SEALER EITHER SILANE OR AN EPOXY SEALER, SHALL BE APPLIED TO THE CONCRETE SURFACES SHOWN ON THE TRANSVERSE SECTION. SEE THE SPECIFICATIONS FOR SURFACE PREPARATION REQUIREMENTS, APPLICATION RATES, MATERIAL REQUIREMENTS AND APPLICATION PROCEDURES.



PREFORMED EXPANSION JOINT FILLER IN THE PARAPET DEFLECTION JOINTS, MAY BE EITHER 1/4" GREY SPONGE RUBBER OR 1/4" GREY CELLULAR POLYVINYL CHLORIDE (PVC) SPONGE. IF RUBBER IS USED, IT SHALL MEET THE REQUIREMENTS OF AASHTO M-153 (INCLUDE WITH ITEM 511, CLASS S' CONCRETE SUPERSTRUCTURE, FOR PAYMENT)

* ACTUAL SLAB THICKNESS WILL VARY AS DETERMINED BY SCREED ELEVATIONS. (SEE GENERAL NOTES)

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SUPER STRUCTURE DETAILS					
FOSDICK ROAD OVER OHIO CANAL					
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