

TEMPORARY PAVEMENT MARKING TAPE

PHASE I

Type I
White: 1785 Yellow: 2060

Type II
White: 6072 Yellow: 4364

NOTES:

Refer to Road Standard Sheet 1 Detours for advanced signing and additional details.

Cost of Bituminous Material for Widening to be included in the cost of Maintaining Traffic.

For additional details and quantities, see sheet N° 3.

TRAFFIC MAINTENANCE DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: - No Scale DATE: 9-12-79

Submitted For Approval:

DRAWING: OF SHEET: 2 OF 30

PROJECT: BRM-1784JA

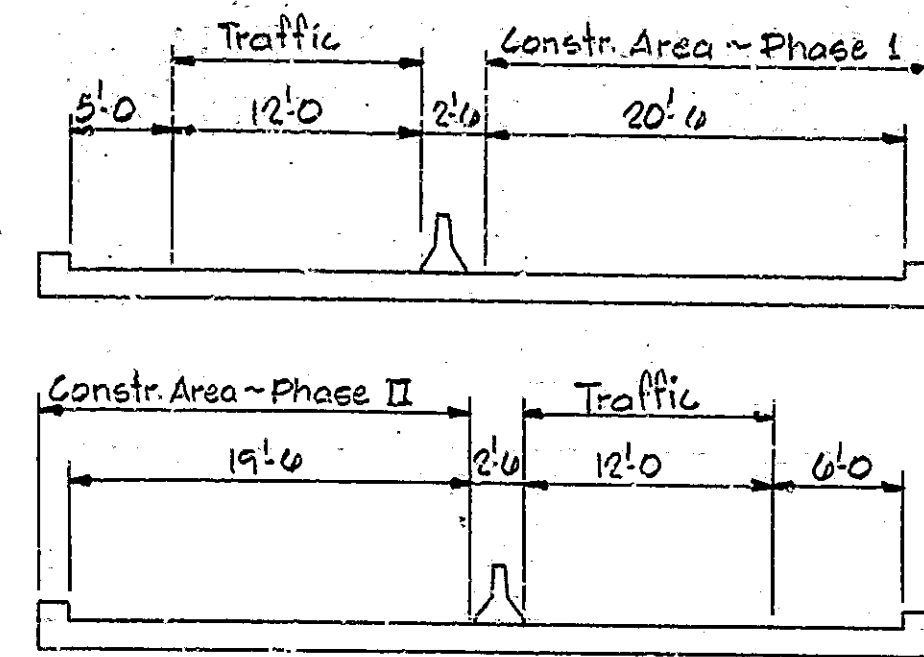
CONTRACT NO. B-13710

BRIDGE FILE: 52-72-1784B 4JA

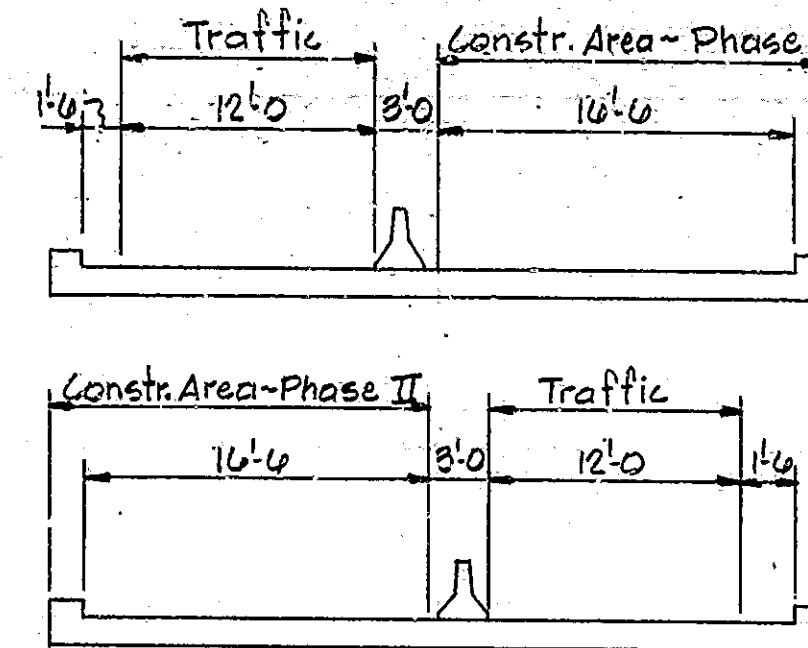


Rev 11-29-83 Type I & Type II Temp. Pmnt. Marking.
Special Tape, Phase I & Phase II Sections

25' x 20'
20' x 20'



WEST BOUND - 1784JA



EAST BOUND - 1784B

ESTIMATE OF QUANTITIES

Metal Drums or Type I or Type II Barricades	1784B	1784JA
N/ Steady Burning Lights	22 Ea.	24 Ea.

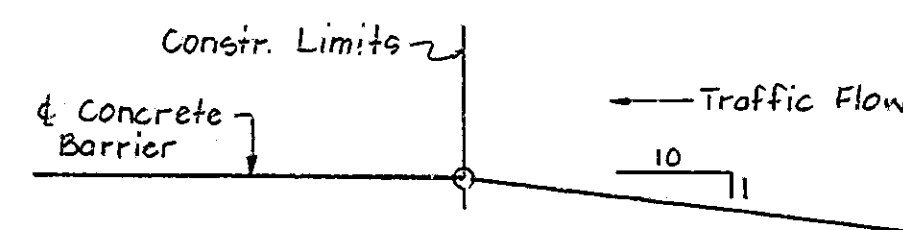
Cost of the above item is to be included in the cost of "Maintaining Traffic" (Lump Sum)

SEPARATE PAY ITEMS

		STRUCTURE	
		1784B	1784JA
CONSTRUCTION SIGNS (TYPE A)	EA.	9	9
CONSTRUCTION SIGNS (TYPE B)	EA.	2	2
TEMPORARY CONCRETE BARRIER	LFT.	1310	1410
TEMPORARY PUNT MARKING TYPE I LFT.	LFT.	1350	1395
TEMPORARY PUNT MARKING TYPE II LFT.	LFT.	5862	4574
REMOVAL OF LINE, SOLID WHITE, 4IN.	LFT.	295	1708
REMOVAL OF LINE, SOLID YELLOW, 4IN.	LFT.	1518	—
PAINTED LINE, SOLID WHITE, 4IN.	LFT.	1518	1708
PAINTED LINE, SOLID YELLOW, 4IN.	LFT.	1518	1343
REMOVAL OF LINE, SKIP, WHITE, 4IN.	LFT.	437	478
PAINTED LINE, SKIP WHITE, 5 IN.	LFT.	876	944
BITUM. WIDENING (BITUM. MIXTURE FOR APPROACHES)	TON	265	233

NOTES:

1. Approved lights shall mark barricades and signs continuously at night.
2. All signs shall be mounted in such a manner that the vertical distance between the bottom of the sign and the edge of the pavement shall not be less than 5 feet and horizontal distance from the edge of pavement to the edge of sign shall not be less than 12 feet (R/W permitting) or 6 feet from the edge of paved shoulder.
3. The spacing of Type II Barricades in feet, shall be numerically equal to the posted speed limit with a minimum spacing equal to 20 feet.
4. Flashing arrow sign shall be mounted in such a manner that the vertical distance between the bottom of the panel and the top of the pavement surface shall not be less than 7 feet.
5. The Flashing Arrow Sign shall be operated continuously day and night while any lane is closed to traffic.
6. Signs and Barricades are to be provided and maintained by the contractor at such points as may be designated on the plans or by the engineer.



BARRIER RAIL OFFSETS

DESIGNED R.C.K. CKD R.D.P.
DRAWN S. JONES CKD D.D.C.
TRACED CKD

Rev-11-29-83 Separate Pay Items.
Temp Punt Mky Tape, Special Temp Punt Mky Tape, Temp. Conc. Barrier

TRAFFIC MAINTENANCE DETAILS
INDIANA STATE HIGHWAY COMMISSION

SCALE: AS NOTED DATE: 9-12-79

SUBMITTED FOR APPROVAL:

DRAWING: OF SHEET: 2 OF 20

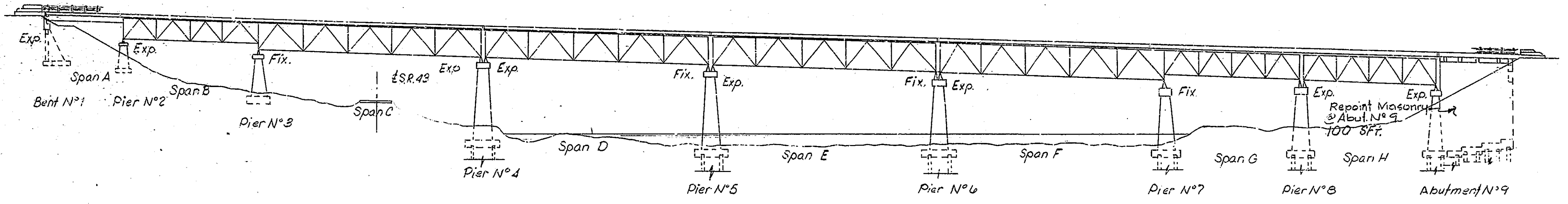
PROJECT: BRM-L720(1)
CONTRACT NO. B-13710

BRIDGE FILE: 52-79-1784B & JA



11-30-78 4 1/2
 12-1-78 8
 12-4-78 4 1/2
 1-18-79 6
 1-19-79 2

STRUCTURE IS BUILT ON A -2.5% GRADE



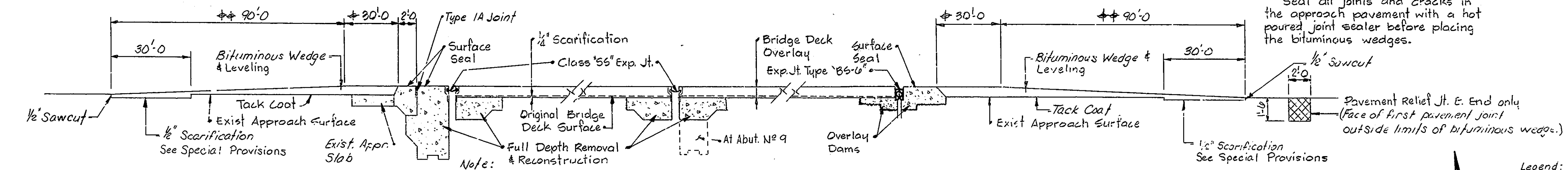
ELEVATION
 Scale 1"=40'

UTILITY OWNERS

Telephone:
 General Telephone Company of Indiana, Inc.
 8001 U.S. 24 West
 Post Office Box 1201
 Ft. Wayne, In 46801

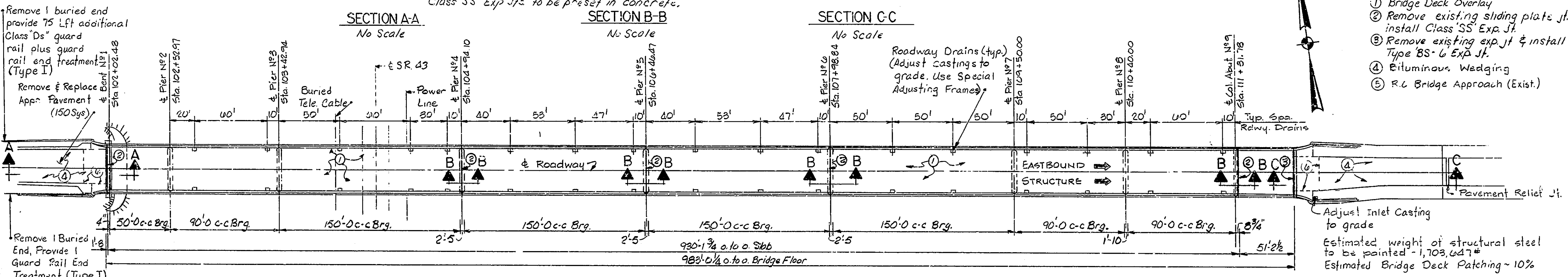
Power:
 Public Service Indiana
 1000 East Main St.
 Plainfield, In. 46160

Top of wedge to be a continuation of bridge deck profile
 Taper top of wedge uniformly to meet existing roadway surface.



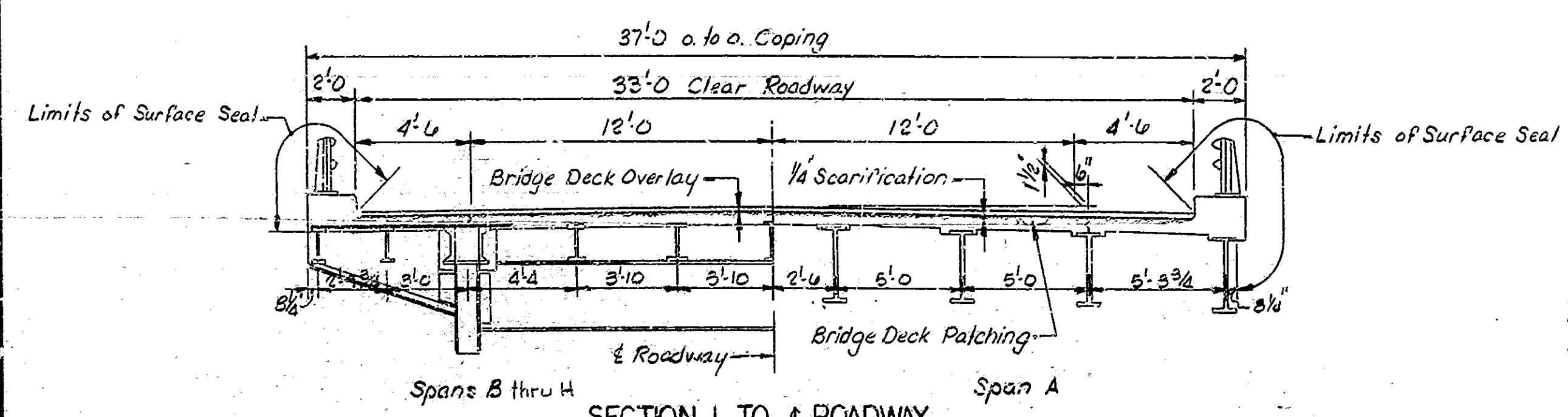
Note:
 Seal all joints and cracks in the approach pavement with a hot poured joint sealer before placing the bituminous wedges.

- Legend:
- ① Bridge Deck Overlay
 - ② Remove existing sliding plate jt. & install Class 55 Exp. Jt.
 - ③ Remove existing exp. jt. & install Type BS-6 Exp. Jt.
 - ④ Bituminous Wedging
 - ⑤ R.L. Bridge Approach (Exist.)

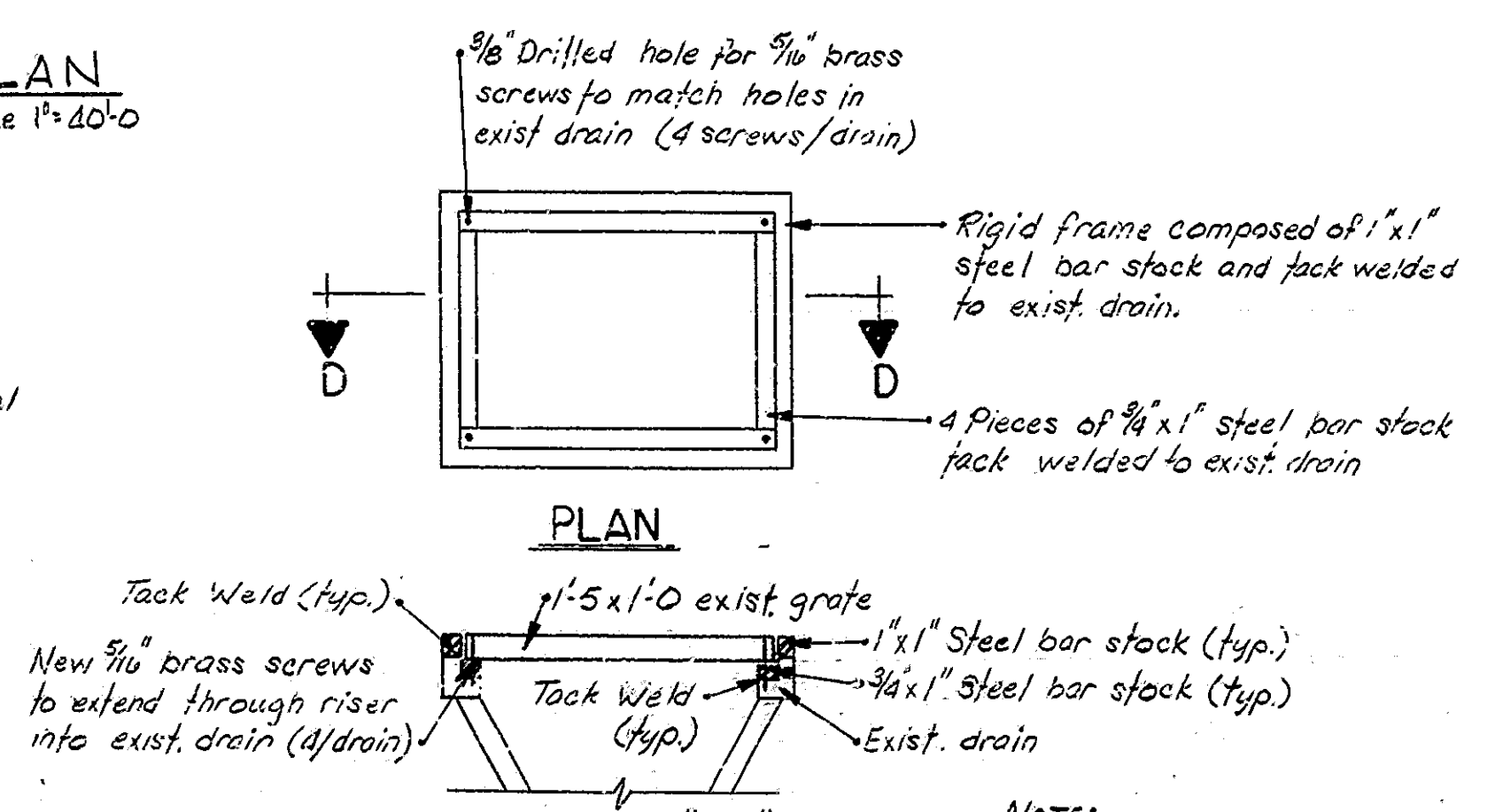


PLAN
 Scale 1"=40'

NOTES:
 For "General Notes", "Construction Procedure", and "Material Notes", see Sheet N° 5.
 For "Traffic Maintenance Details", see Sheets N° 2 & 3.



SECTION I TO ROADWAY
 Scale 1/2"=1'



SPECIAL ADJUSTING FRAME
 Scale 1/2"=1'

BRIDGE DECK RECONSTRUCTION AND OVERLAY GENERAL PLAN

STEEL TRUSS BRIDGE
 8 SPANS: 50'-0, 90'-0, 4-150'-0, 2-90'-0 SQUARE
 33'-0 CL ROADWAY + 2'-0 CURBS
 OVER WABASH RIVER ON U.S. 52 BY-PASS

INDIANA STATE HIGHWAY COMMISSION
 TIPPECANOE COUNTY

SCALE: As NOTED DATE: 9-12-79

SUBMITTED FOR APPROVAL:

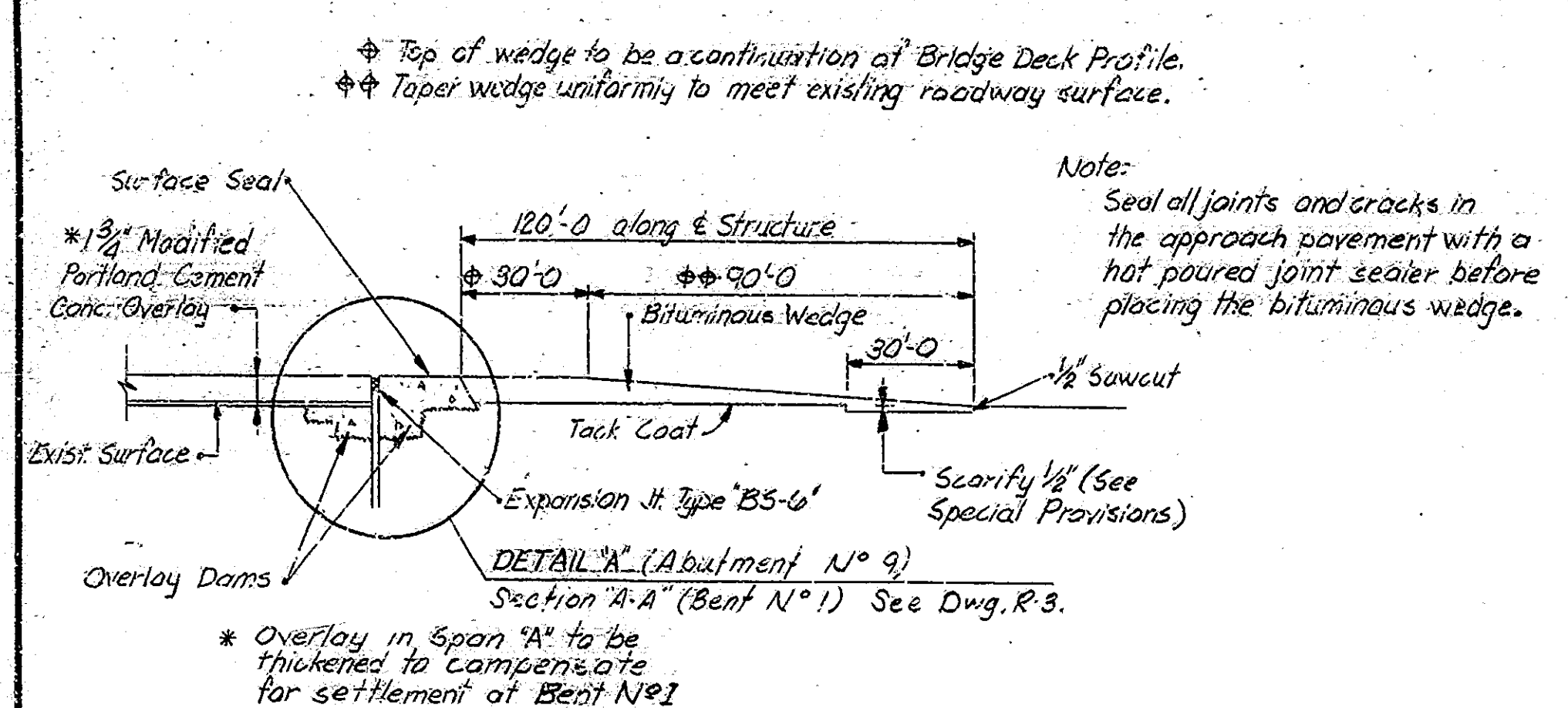
DRAWING: R1 OF 8 SHEET: 4 OF 30

PROJECT: BRM-L720 (1)
 CONTRACT NO. B-13710
 BRIDGE FILE: 52-79-17848

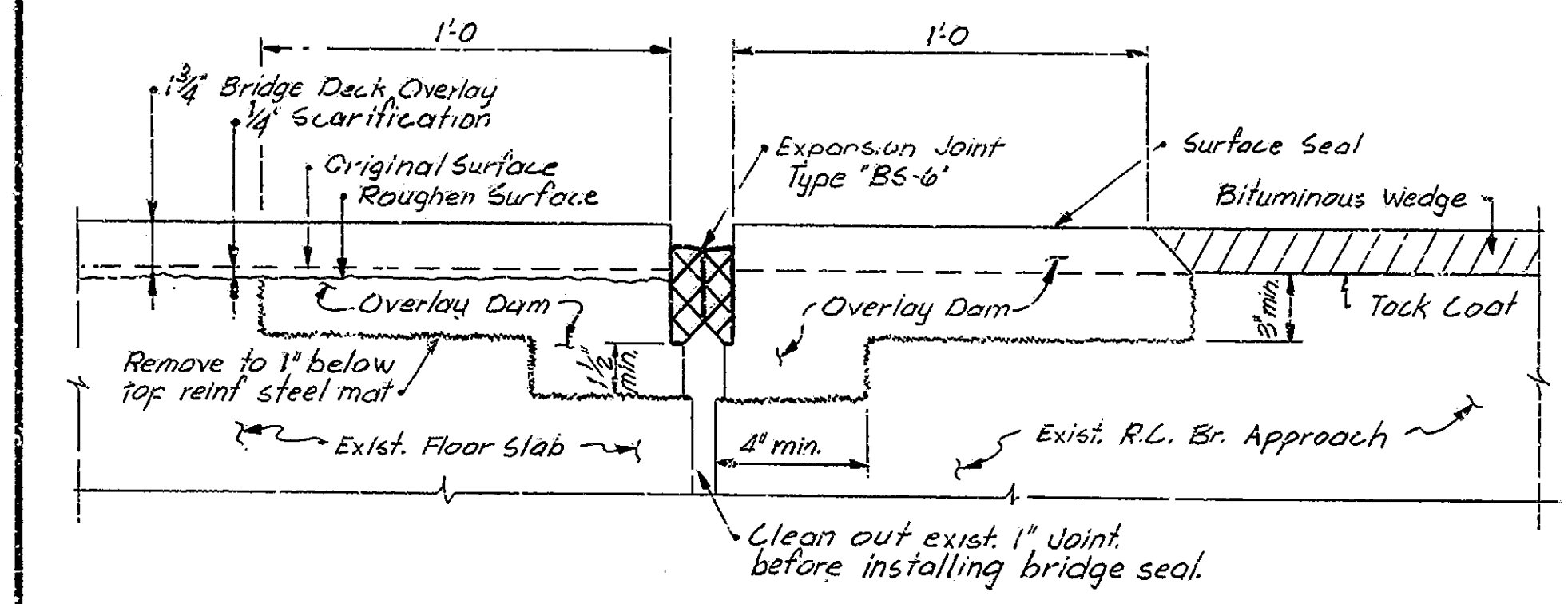


DESIGNED: D.C.C. CKD R.E.P.
 DRAWN: S.W.S. J.E. CKD B.C.C.
 TRACED: J.F. B-4-78 CKD D.C.C.

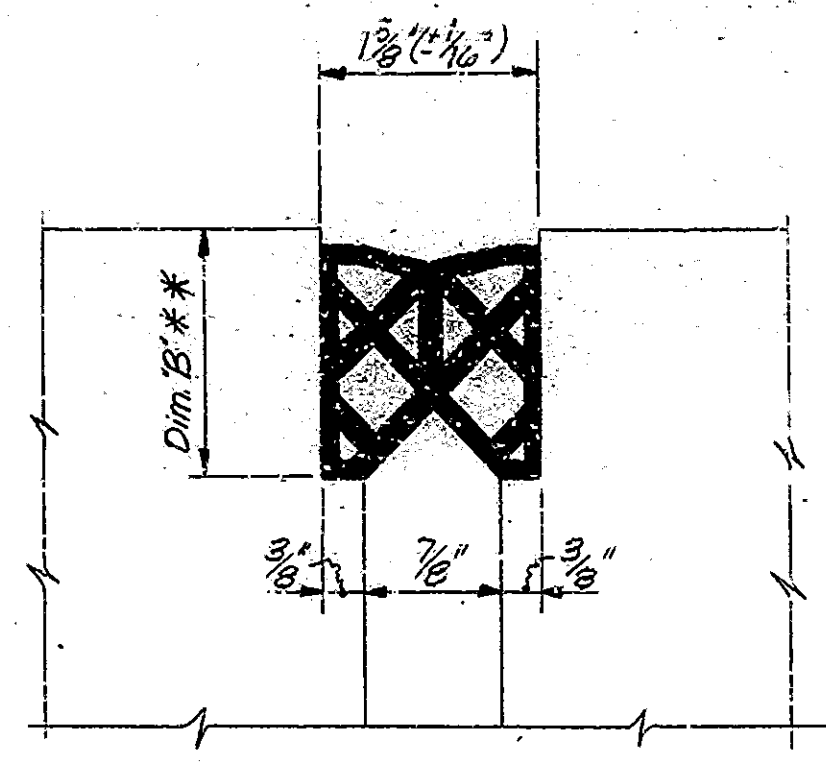
Revised 11-29-83 G.K.E.T. (TYPE I)



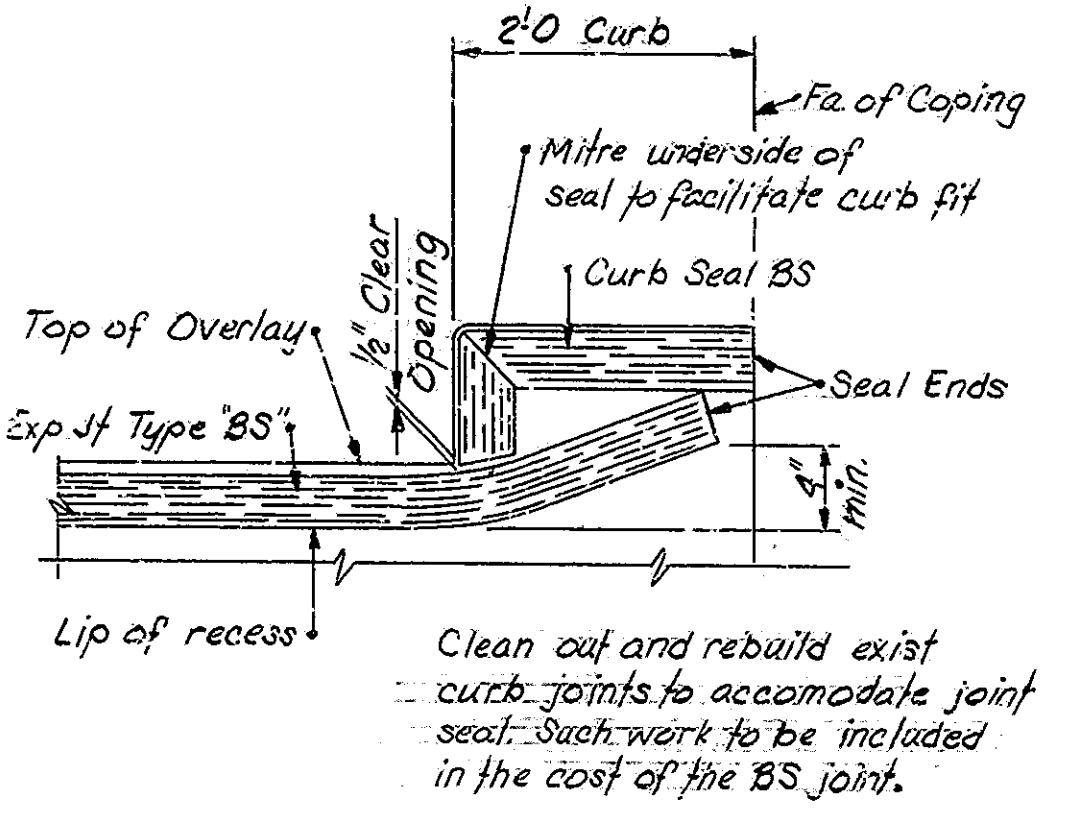
TYPICAL SECTION THRU WEDGE
No Scale



DETAIL "A" (Abutment N° 9)
No Scale



EXP JOINT TYPE BS-6 (1784B)
No Scale
** To be determined in the field, see Special Provisions.



DETAIL-BS JOINT AT CURB (1784B)
No Scale

- CONSTRUCTION PROCEDURE**
- CONSTRUCT ALL BITUMINOUS WIDENING. INSTALL TEMPORARY BARRIER RAILING AND OTHER TRAFFIC CONTROL DEVICES TO DIVERT TRAFFIC AS INDICATED ON THE TRAFFIC MAINTENANCE DETAILS, PHASE I. (SHEET NUMBER 2).
 - SCARIFY THE ENTIRE BRIDGE FLOOR TO A DEPTH OF 1/4", SCARIFY ADDITIONAL AREAS OF THE BRIDGE FLOOR AS ADDITIONAL AREAS AS DIRECTED BY THE ENGINEER. REMOVE SCARIFIED DUST.
 - REMOVE ALL DETRIORATED CONCRETE BELOW THE LEVEL OF SCARIFICATION AND REMOVE CONCRETE AROUND REINFORCING STEEL, ALONG CURBS INACCESSIBLE TO SCARIFYING EQUIPMENT AND AS REQUIRED FOR THE INSTALLATION OF EXPANSION JOINTS BY HAND CHIPPING AND CLEANING IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 - REPAIR NEW PORTION OF SLAB AT PIERS NUMBER 1, 4, 5, 6, AND ABUTMENT NUMBER 9 UP TO THE LEVEL OF SCARIFICATION. CLASS 3-S JOINT EXPOSURES AT PIERS NUMBER 1, 4, 5, 6, AND ABUTMENT NUMBER 9 TO BE PRESENT IN CONCRETE. FAST BOUND STRUCTURE ONLY.
 - BLAST AND CLEAN ALL REMOVAL AND SCARIFIED AREAS.
 - CONSTRUCT OVERLAY DAMS AS SHOWN ON DETAILS.
 - PLACE BRIDGE DECK PATCHES AND BRIDGE DECK OVERLAY AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 - SURFACE SEAL VERTICAL FACE AND TOP OF CURBS AND OUTSIDE FACE OF CURBS TO FACE OF OUTSIDE BEAM, TOP OF MIDWALLS, TOP OF OVERLAY DAMS, AND ALL SURFACES ON WINGWALLS.
 - ADJUST CASTINGS TO GRADE.
 - REMOVE AND REPLACE DETRIORATED APPROACH PAVEMENT ON WEST END OF EAST BOUND STRUCTURE.
 - CONSTRUCT BITUMINOUS WEDGE AT EACH END OF THE BRIDGE. PROVIDE PAVEMENT RELIEF JOINT AT EAST END OF EAST BOUND STRUCTURE.
 - INSTALL TYPE "M" GUARD RAIL AT LOCATIONS SHOWN ON THE GENERAL PLAN.
 - REPOINT MASONRY ON ABUTMENT NUMBER 9 ON EAST BOUND STRUCTURE.
 - CLEAN AND PAINT STRUCTURAL STEEL. EAST BOUND STRUCTURE ONLY.
 - REPAIR NEW PORTION OF SLAB AND WALL AT BENT NUMBER 1 AND 10 AS SHOWN ON THE DETAILS. INSTALL MODULAR JOINTS. WEST BOUND STRUCTURE ONLY.
 - RESET TRAFFIC CONTROL DEVICES TO DIVERT TRAFFIC AS INDICATED ON THE TRAFFIC MAINTENANCE DETAILS, PHASE II. (SHEET NUMBER 2).

THE NUMBERS DO NOT NECESSARILY INDICATE THE SEQUENCE OF OPERATIONS. ALL REMOVAL EQUIPMENT USED FOR PARTIAL CONCRETE REMOVALS OF STRUCTURES SHALL BE HAND HELD. PNEUMATIC HAMMERS, 30 LBS. MAXIMUM WEIGHT SHALL BE USED FOR ALL REMOVAL AREAS TO BE PATCHED AND ALL AREAS WITHIN 24 INCHES OF FULL DEPTH REMOVAL LINES. PNEUMATIC HAMMERS UP TO 90 LBS. MAX. WEIGHT MAY BE USED FOR ALL OTHER REMOVALS OUTSIDE THESE LIMITS. DECK AREAS THAT ARE TO BE REMOVED FULL DEPTH SHALL BE COMPLETELY SEPARATED FROM ADJACENT STANDARD DRAWINGS CONCRETE BEFORE HAMMERS HEAVIER THAN 30 LBS. MAY BE USED.

- GENERAL NOTES**
- PLANS FOR EXISTING STRUCTURE ARE ON FILE IN THE BRIDGE DEPARTMENT, INDIANA STATE HIGHWAY COMMISSION AS BRIDGE FILE NO. 52-79-1784A & J AND ARE AVAILABLE UPON REQUEST.
 - WHERE NEW WORK IS TO BE FITTED TO OLD WORK, THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND REPORT ANY ERRORS OR DISCREPANCIES TO THE ENGINEER AND ASSUME RESPONSIBILITY FOR THEIR CORRECTNESS AND THE FIT OF THE NEW PART TO THE OLD.
 - THE HAND CHIPPING AND CLEANING OF DETRIORATED DECK AREAS SHALL BE AS DIRECTED BY THE ENGINEER. IT IS THE INTENT OF THESE PLANS THAT ALL SUCH DETRIORATED CONCRETE BE REMOVED AND SHOULD THERE BE ANY DOUBT AS TO THE QUALITY OF THE CONCRETE, REMOVAL SHALL CONTINUE UNTIL PERFECTLY SOUND CONCRETE IS EXPOSED. ALL EXISTING NON-FULL DEPTH PATCHES SHALL BE REMOVED.
 - CONCRETE IN PATCHES FOR DETRIORATED DECK AREAS SHALL BE SPECIAL CLASS "A" CONCRETE OR MODIFIED P. C. CONCRETE. SEE SPECIAL PROVISIONS.
 - ALL BITUMINOUS MATERIAL REQUIRED IN THIS CONTRACT TO BE INCLUDED IN THE PAY ITEM "BITUMINOUS MIXTURE FOR APPROACHES", EXCEPT TACK COAT WHICH IS TO BE PAID FOR AS "BITUMINOUS MATERIAL FOR TACK COAT" IN SQUARE YARDS.
 - FOR THE COMPOSITION OF CONCRETE IN OVERLAY DAMS, SEE THE SPECIAL PROVISIONS.
 - SEAL ALL EXPOSED CONCRETE SURFACES, AS NOTED ON THE PLAN WITH A PENETRATING EPOXY SEALER.
 - SEAL ALL CRACKS AND JOINTS IN THE APPROVED PAVEMENT WITH A HOT POURED JOINT SEALER BEFORE PLACING BITUMINOUS WEDGES.
 - THE LENGTH AND QUANTITY OF BITUMINOUS WEDGING SHOWN ON THE PLANS IS BASED ON THE USE OF THE MODIFIED PORTLAND CEMENT CONCRETE OVERLAY. SEE THE SPECIAL PROVISIONS.
 - REMOVED GUARDRAIL SHALL REMAIN THE PROPERTY OF THE STATE.
 - CONCRETE IN SUPERSTRUCTURE TO BE CLASS "A".
 - THE CLEANING AND PAINTING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE "PAINTING STRUCTURAL STEEL" SPECIAL PROVISION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM PAINTING STRUCTURAL STEEL.
 - CHAMFER ALL EXPOSED EDGES (1 INCH) UNLESS NOTED.
 - WATERPROOF BACK OF MIDWALLS IN ACCORDANCE WITH ARTICLE 702.22 OF THE SPECIFICATIONS.

- MATERIAL NOTES**
- BRIDGE DECK OVERLAY:**
1 3/4 INCH MODIFIED PORTLAND CEMENT CONCRETE OR 2 1/2 INCH DENSE PORTLAND CEMENT CONCRETE. (1 1/2 INCH OR 2 1/4 INCH ABOVE EXISTING PLUS 1/4" SCARIFICATION)
- BITUMINOUS WEDGE:**
110 POUND PER SQUARE YARD BITUMINOUS SURFACE, TYPE II-B, OVER VARIABLE DEPTH BITUMINOUS BINDER.
- BITUMINOUS WIDENING:**
990 POUNDS PER SQUARE YARD BITUMINOUS BASE (50).
PAVEMENT RELIEF JOINT:
110 LBS./SYS. BITUMINOUS SURFACE TYPE NO. II-B OVER 1870 LBS./SYS. BITUMINOUS BASE.

BR. STD.	RD. STD.	PURPOSE
CL		REINF. BAR NOTES, BENDING DETAILS
C3		TYPE 1A JOINT, BEAM NOTCH
DL		ADJUSTING FRAME DETAILS
SHT A		PAVEMENT FABRIC AND JOINTS
SHT CB2		TEMPORARY CONCRETE BARRIER
SHT MA		APPROACH SLAB
SHT GR5		ALUMINUM GUARD RAIL DETAILS
SHT GR6		STEEL TUBE GUARD RAIL DETAILS
SHT GR8		GUARD RAIL CLASS 1S
SHT GR9		GUARD RAIL CLASS 1A
SHT GR10		GUARD RAIL END TREATMENT TYPE I
SHT 1		LETTERS
SHT 2A		STANDARD METAL DRUM, TYPE I OR II
		BARRICADES
SHT 3		SIGNS
SHT 4		SIGNS
SHT 5A		SIGN DETAILS
MT 3		SIGN DETAILS

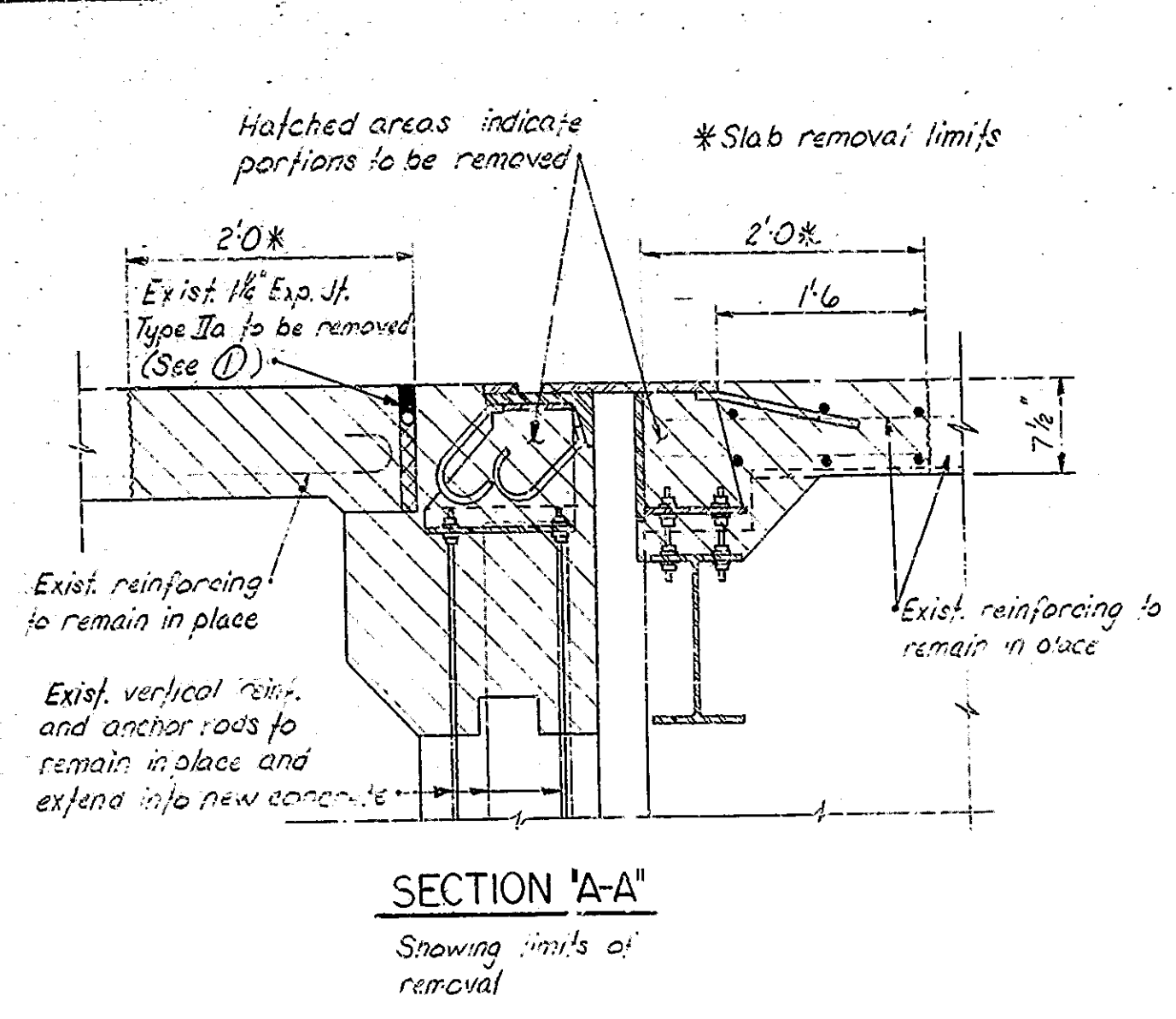
GENERAL NOTES & CONSTRUCTION PROCEDURE
INDIANA STATE HIGHWAY COMMISSION

SCALE: NONE DATE: 9-12-79
SUBMITTED FOR APPROVAL
DRAWING: R2 OF 5 SHEET: 5 OF 30
PROJECT: BRN-L120 (1)
CONTRACT NO. B-13710
BRIDGE FILE: 52-79-1784 B & JA

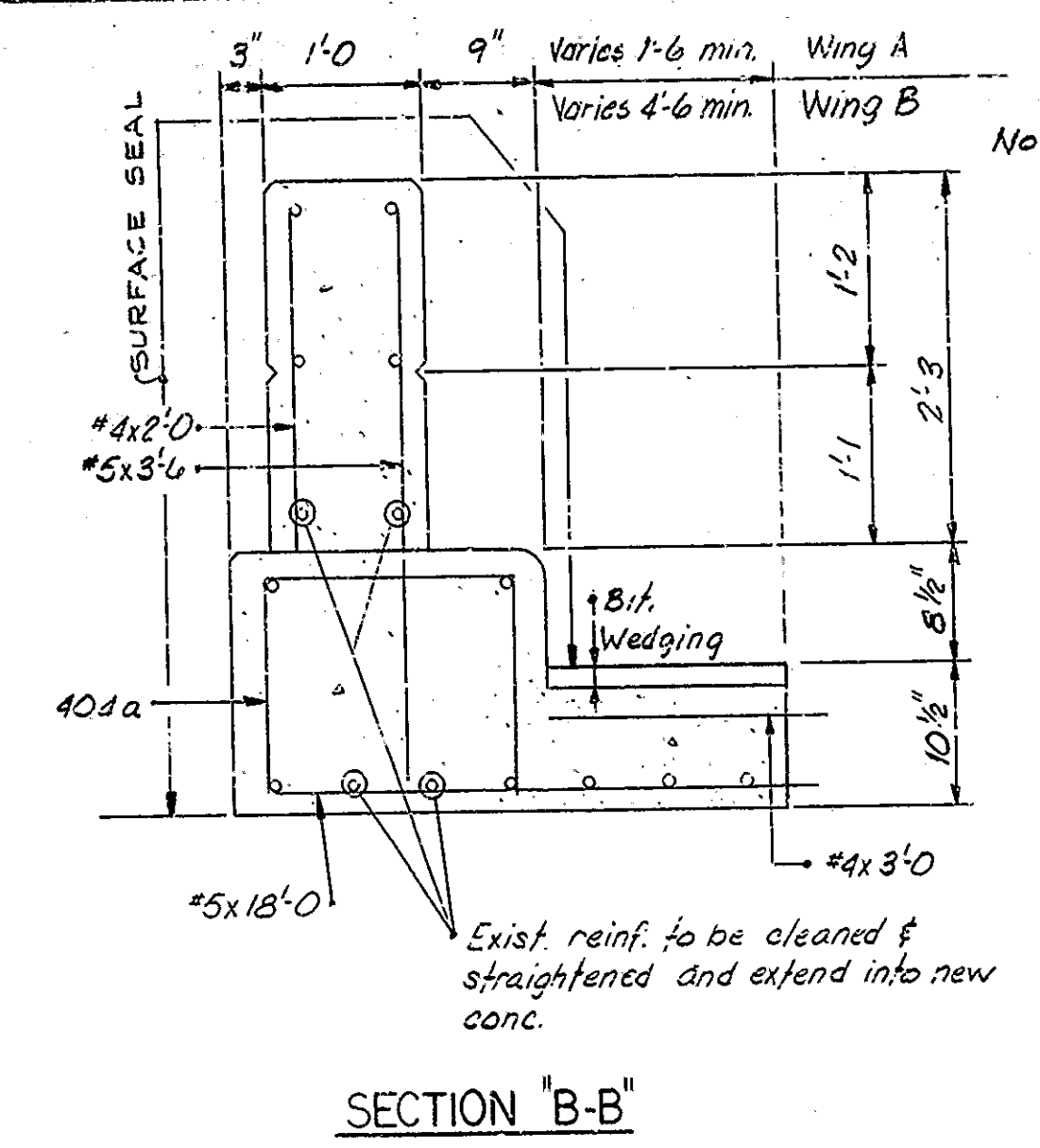


DESIGNED: D.O.C. CKD R.D.P.
DRAWN: R.E.A. & J.W. CKD J.W.
TRACED: CKD

Rev. 12-21-83 Std Drawg MT-3
Rev. 11-29-83 MATERIAL NOTES GENERAL NOTES

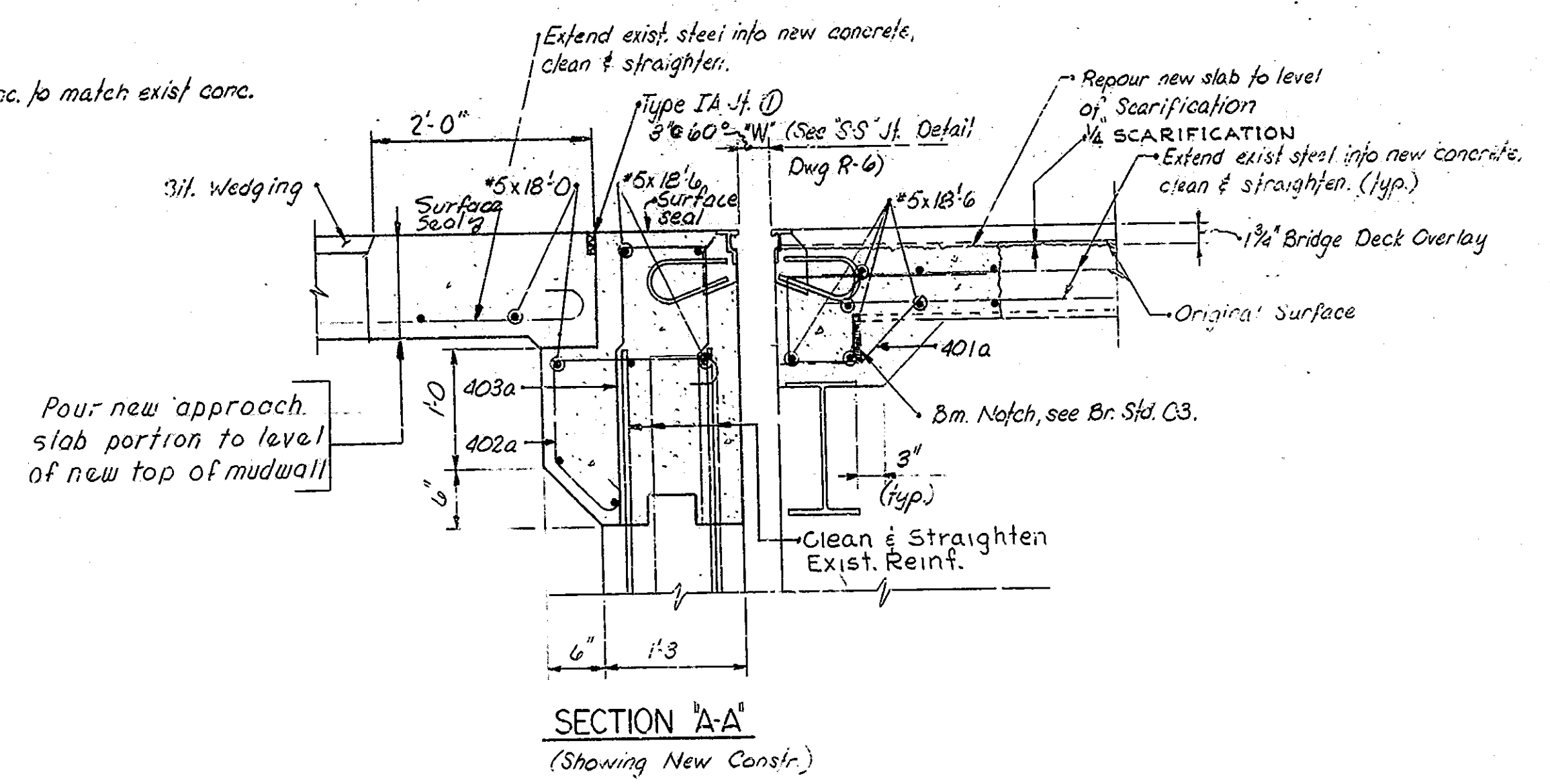


SECTION 'A-A'
Showing limits of removal

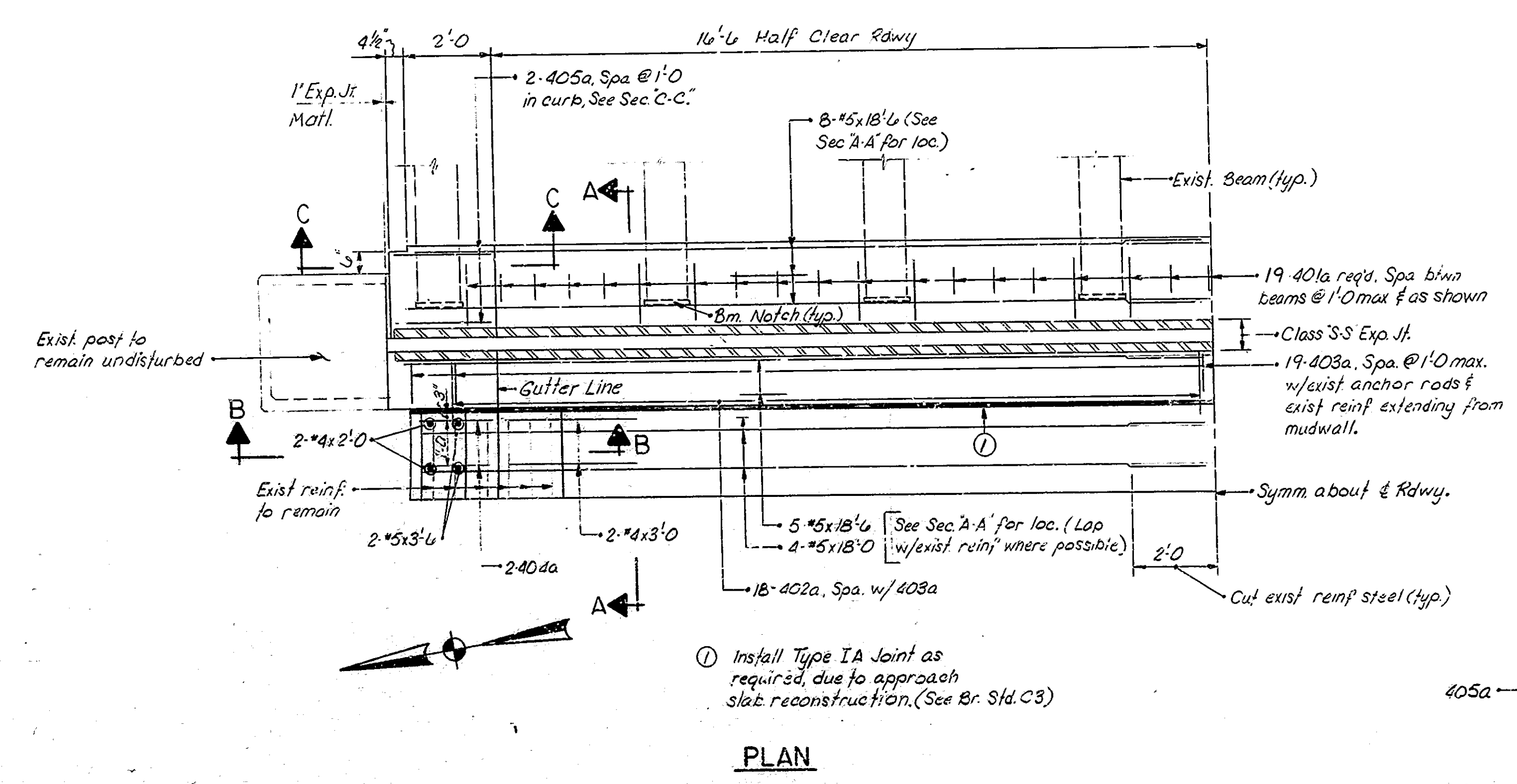


SECTION 'B-B'

Note:
Pour all new conc. to match exist. conc.

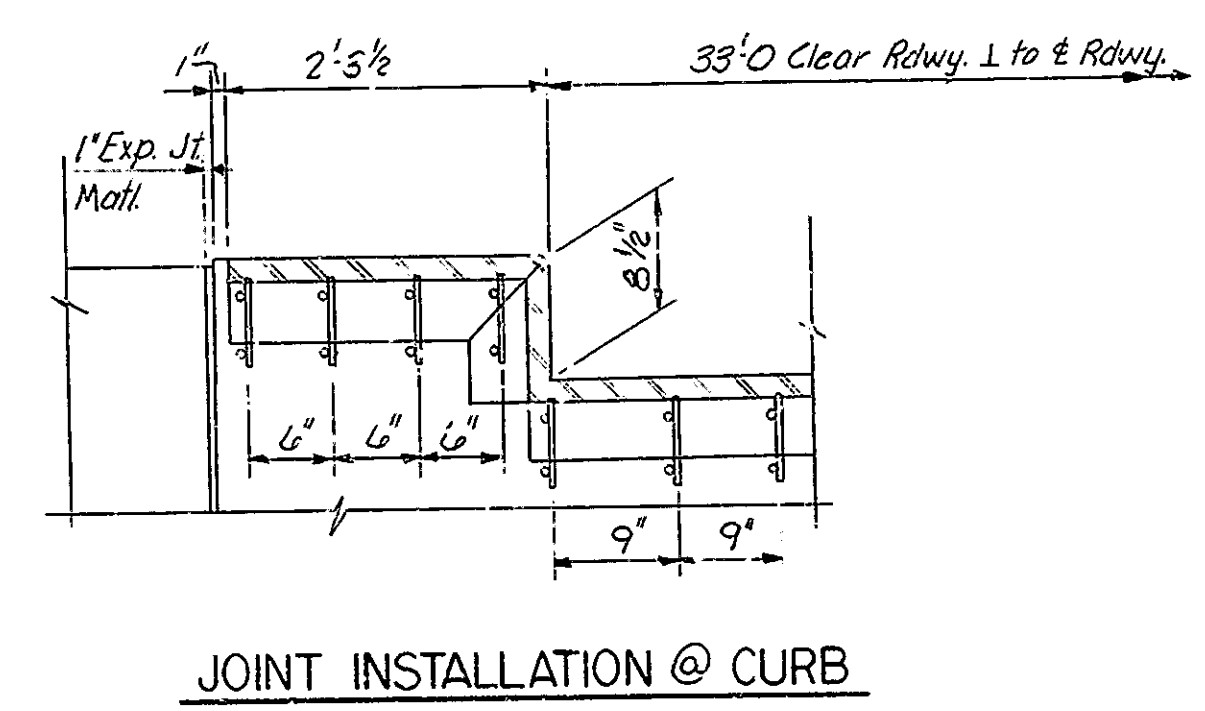


SECTION 'A-A'
(Showing New Constr.)

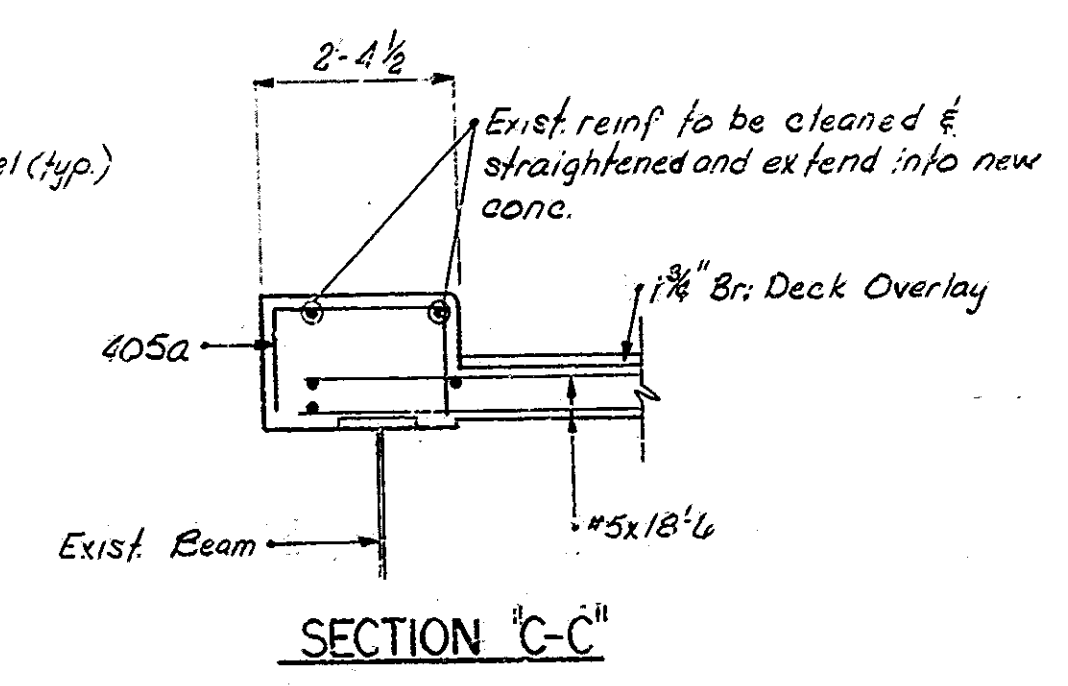


① Install Type IA Joint as required, due to approach slab reconstruction. (See Br. Std. C3)

PLAN



JOINT INSTALLATION @ CURB



SECTION 'C-C'

Notes:
See 'General Plan' for location of Class 'S-S' Expansion Joint, Dwg. R-1
For details of Class 'S-S' Exp. Jt., see Dwg. R-6
For Bill of Materials, see Dwg. R-5

**BENT N° 1
EXPANSION JOINT RECONSTRUCTION
INDIANA STATE HIGHWAY COMMISSION**

SCALE: - No Scale DATE: 9-12-79
SUBMITTED FOR APPROVAL

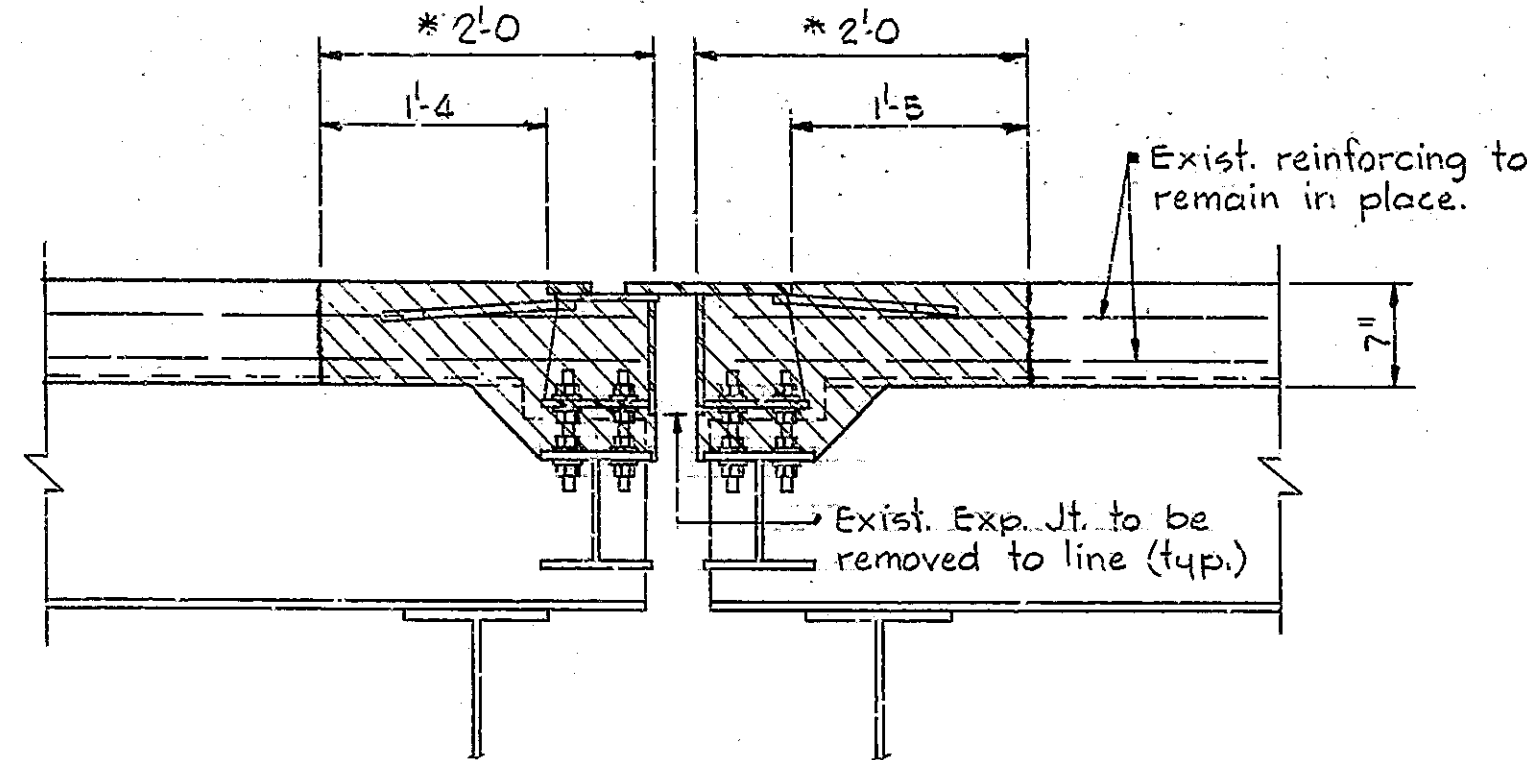
DRAWING: R 3 OF 8 SHEET: 16 OF 30
PROJECT: BRM-L720(1)
CONTRACT NO. B-13710
BRIDGE FILE: 52-79-1784 B



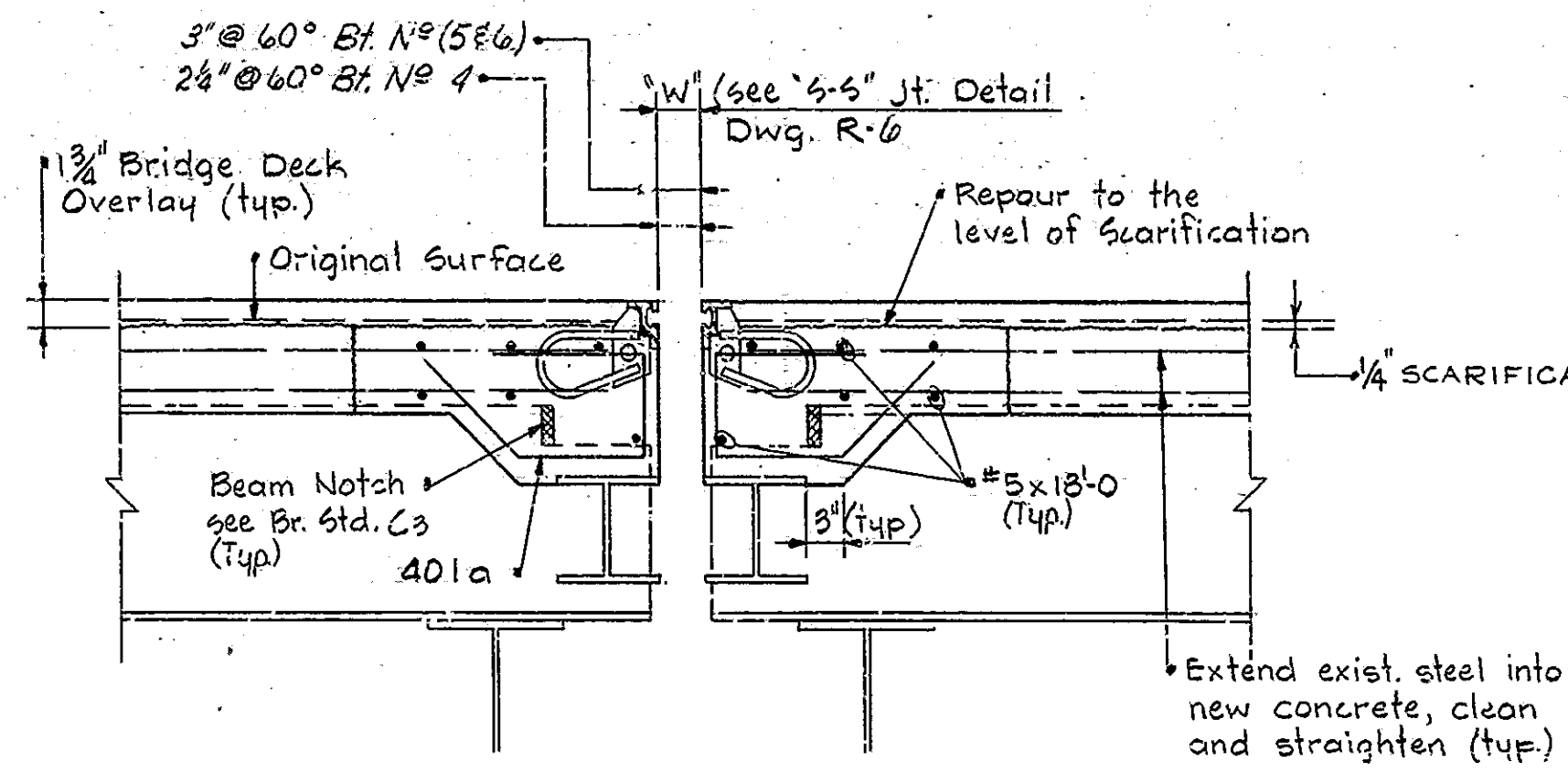
DESIGNED: BOC CKD BDP
DRAWN: L.L.F. & T.J.N. CKD T.J.N.
TRACED: CKD

Hatched area indicates portions to be removed.

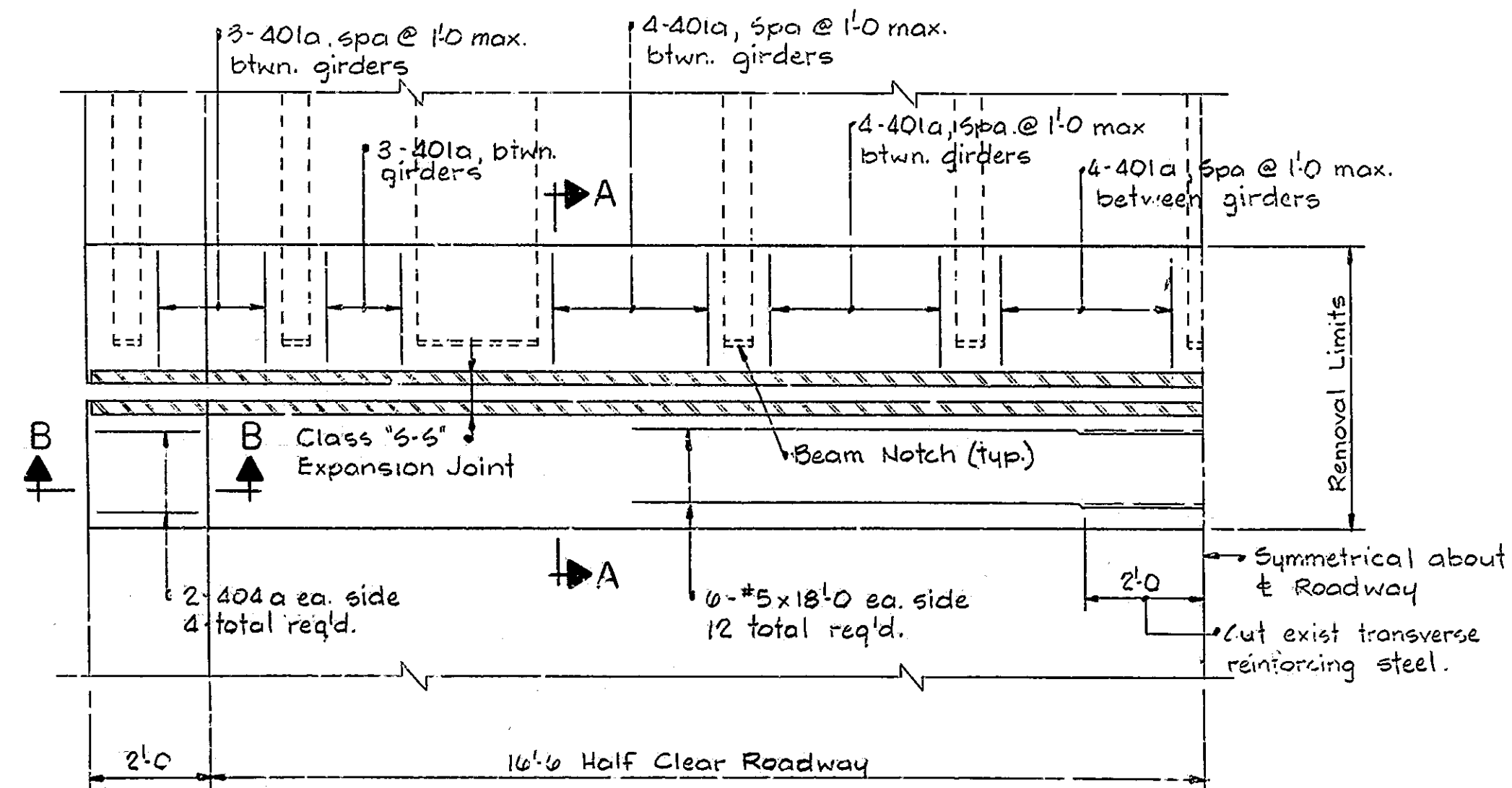
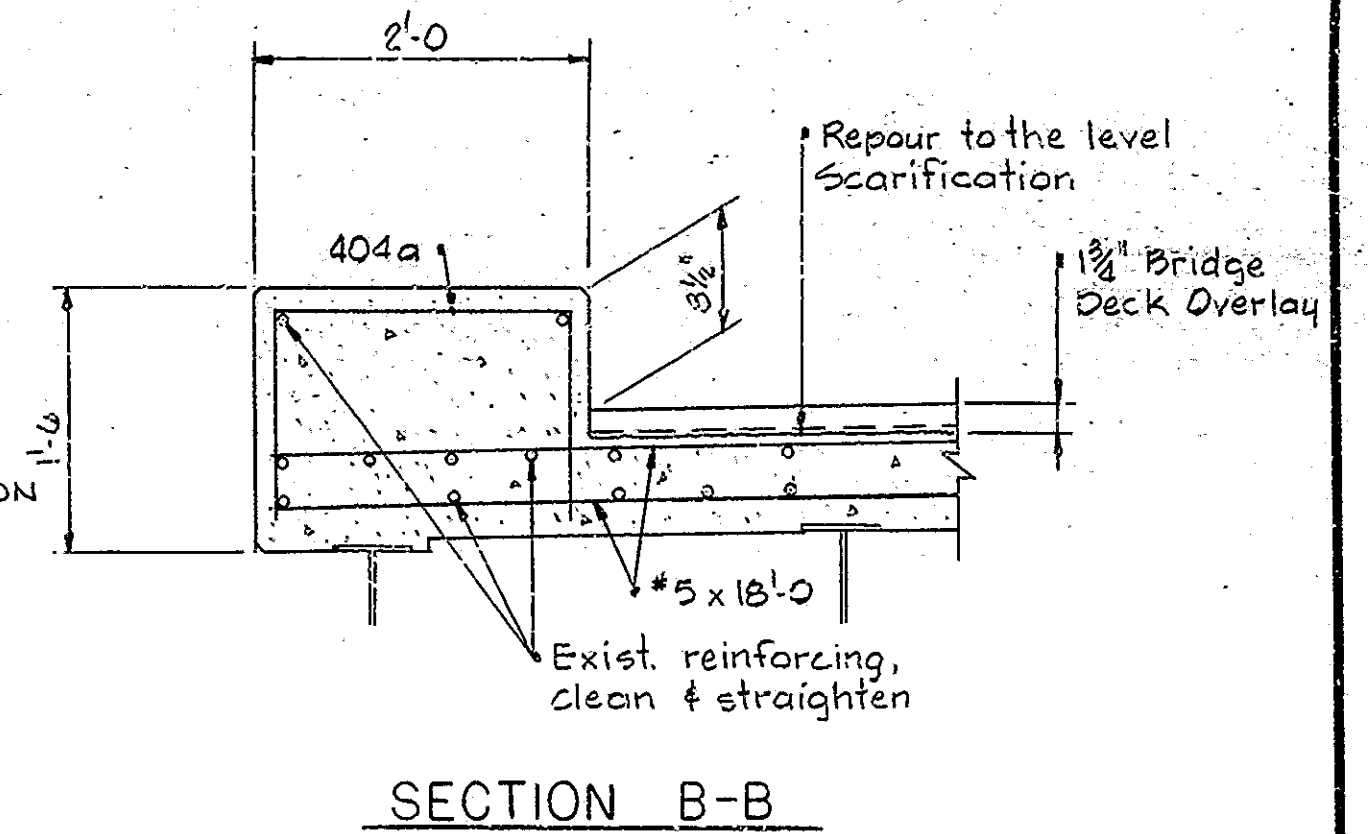
* Slab removal limits.



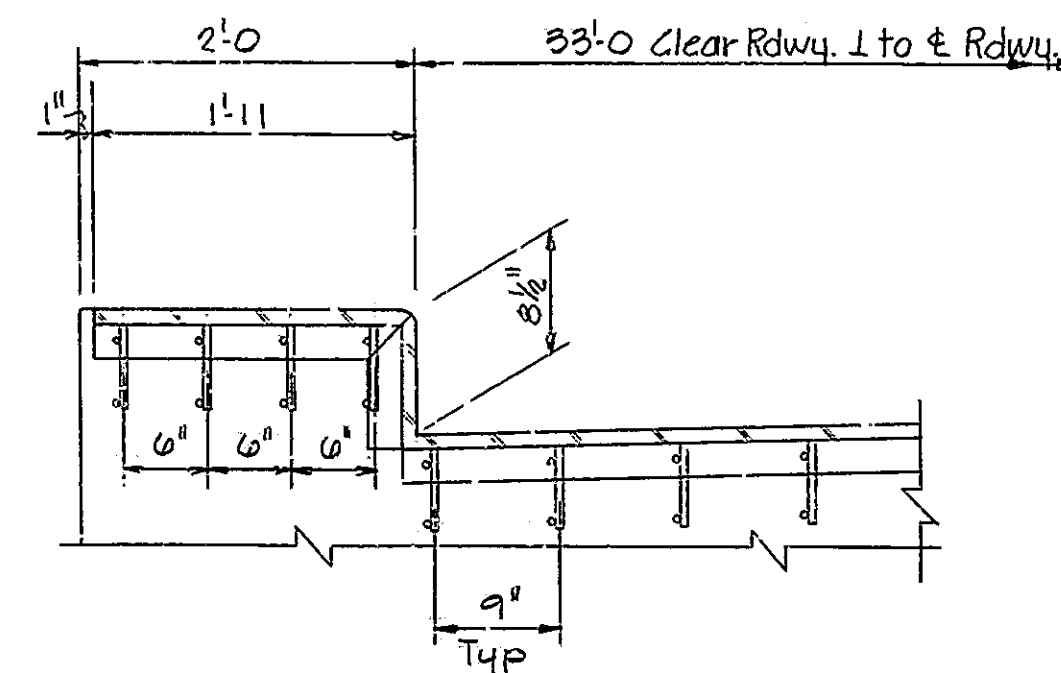
SECTION A-A
(Showing limits of removal)



SECTION A-A
(Showing new constr.)



PLAN



JOINT INSTALLATION @ CURB

NOTES:

- For Bill of Materials, see Dwg. R-5
- See "General Plan" for location of Class "S-S" Expansion Joints. Dwg. R-1
- For details of Class "SS" Exp. Jt. see Dwg. R-6

PIER No 4, 5 & 6
EXPANSION JOINT RECONSTRUCTION
INDIANA STATE HIGHWAY COMMISSION

SCALE: No Scale

DATE: 9-12-79

SUBMITTED FOR APPROVAL:

DRAWING: R4 OF 8 SHEETS: 7 OF 30

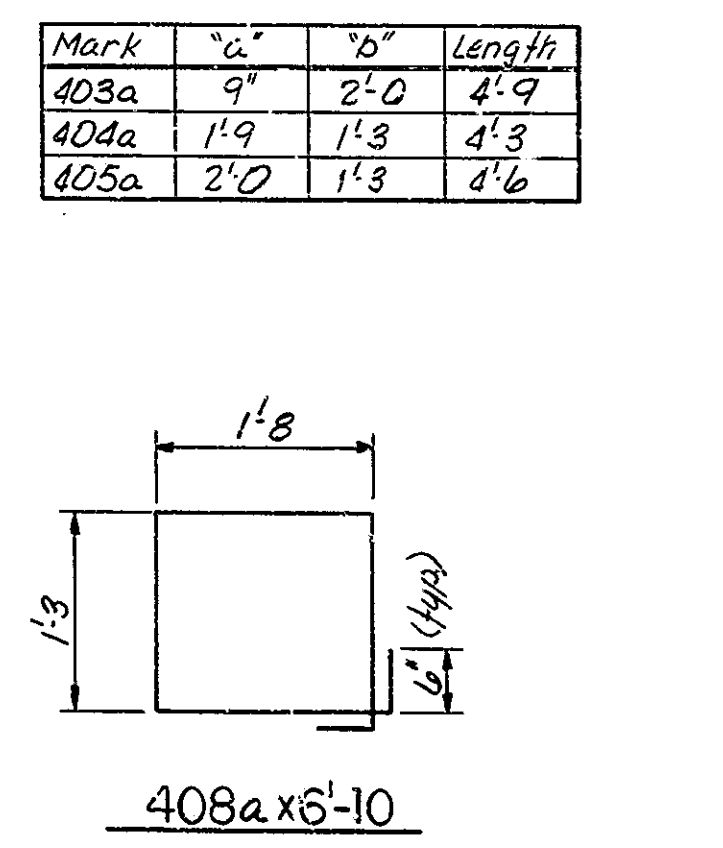
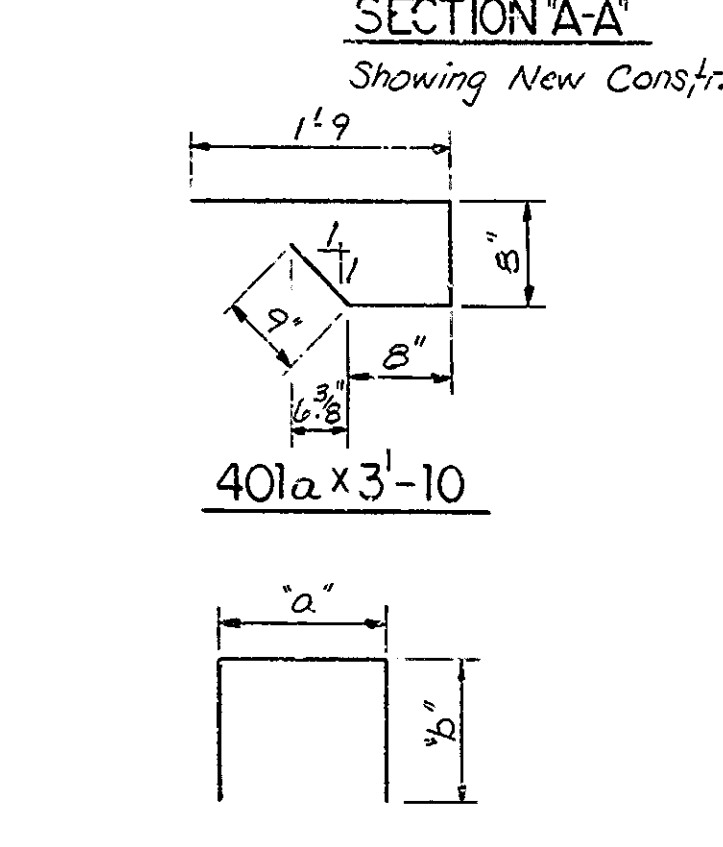
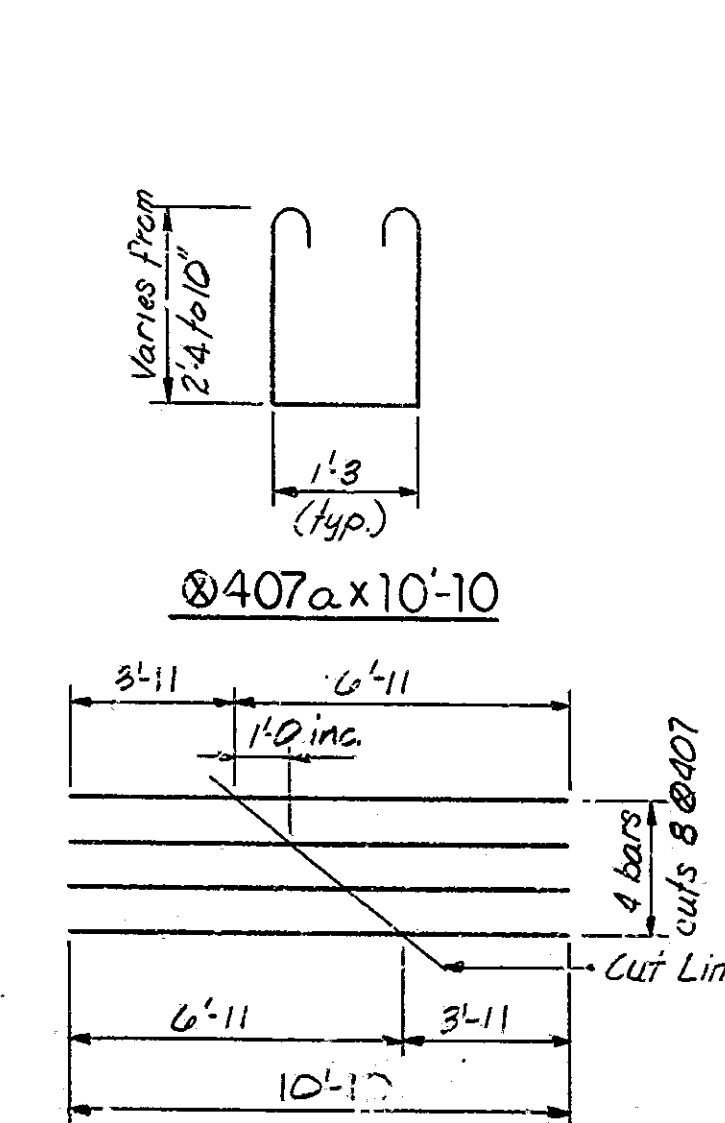
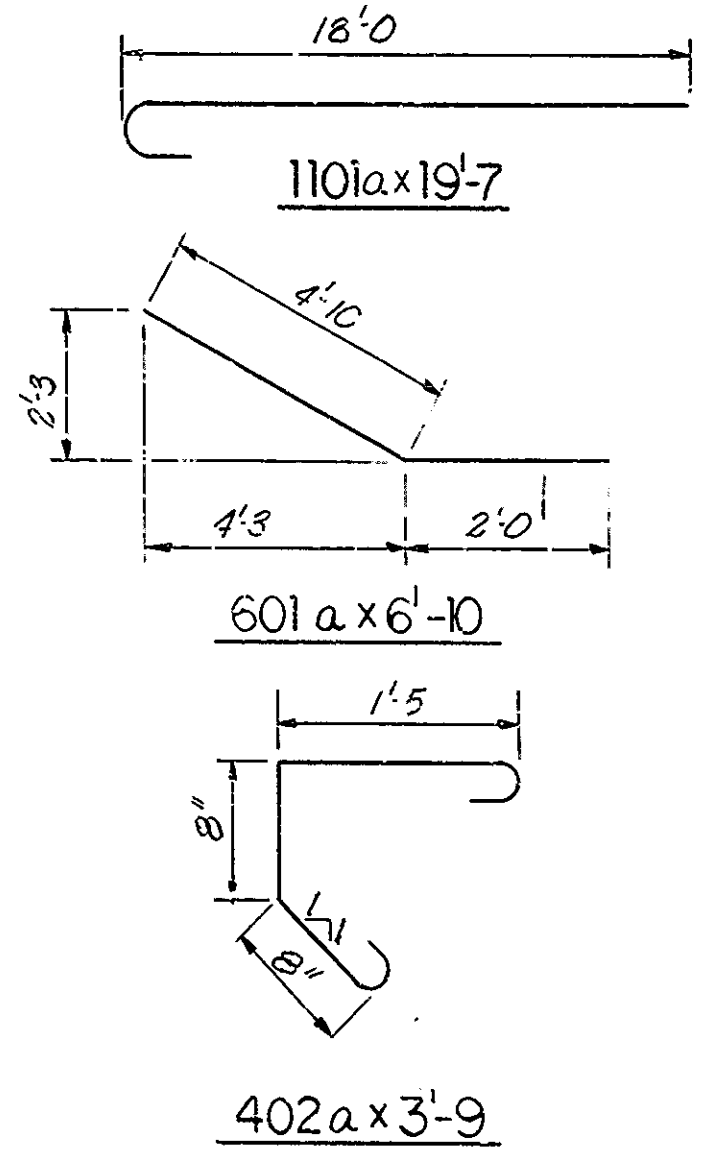
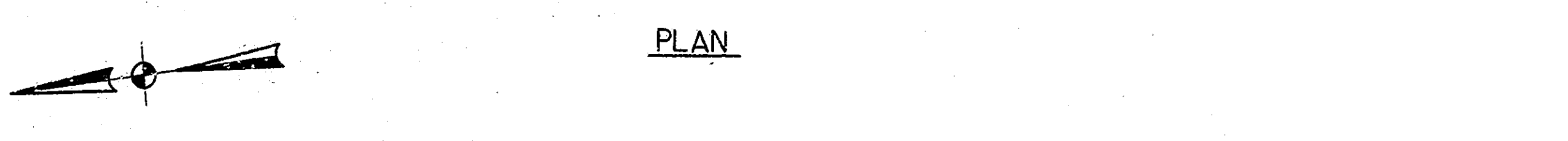
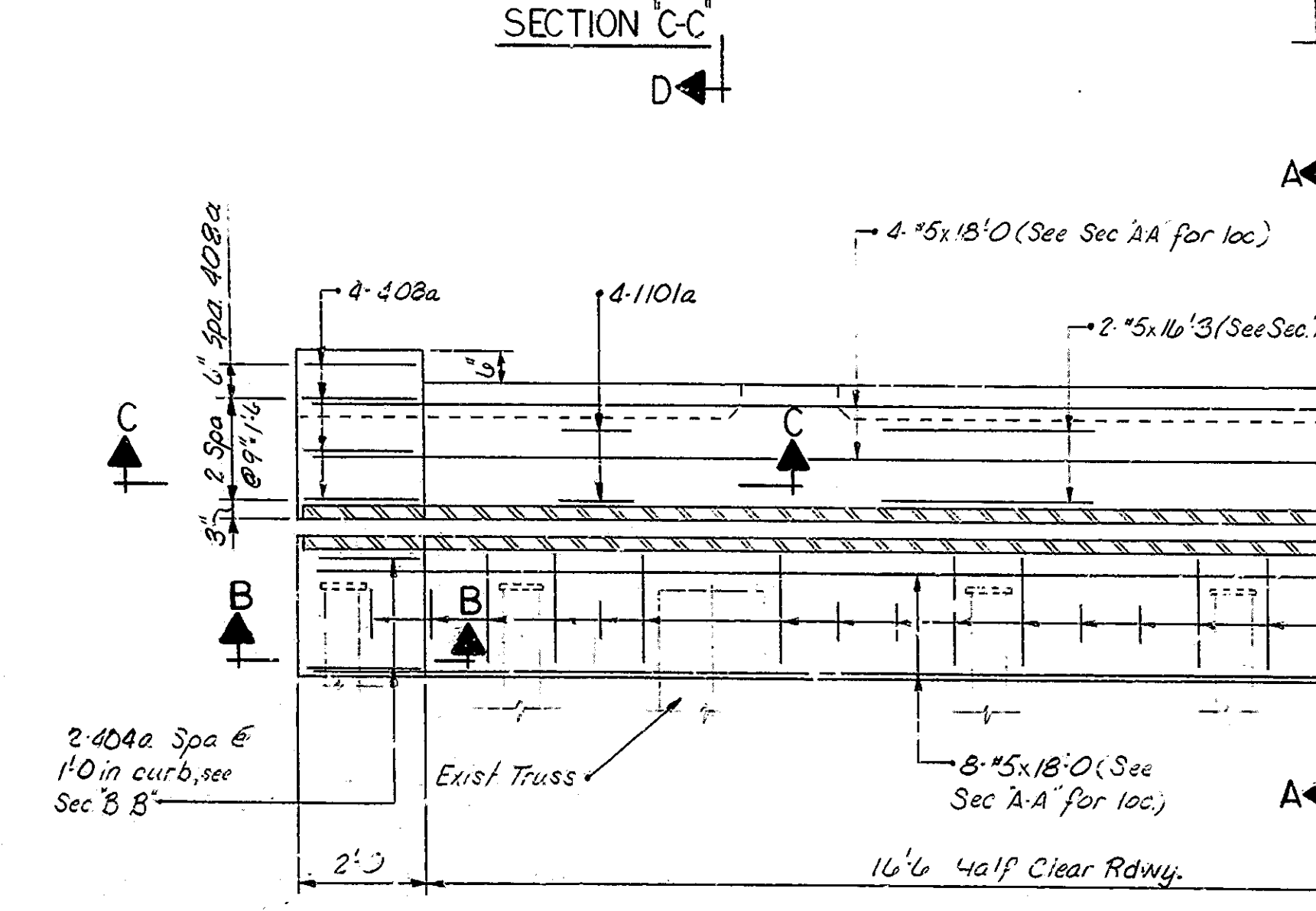
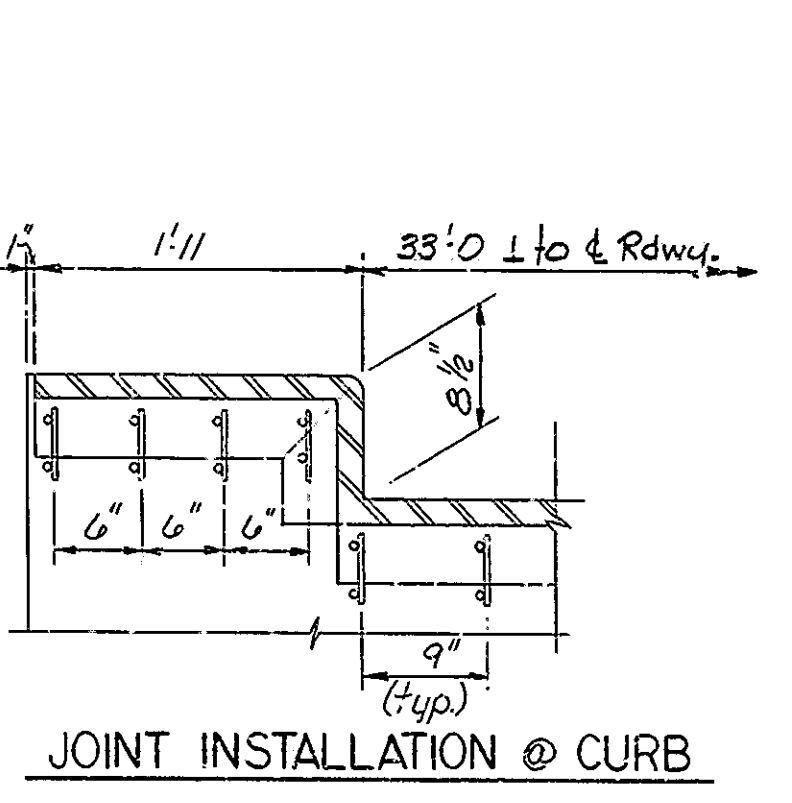
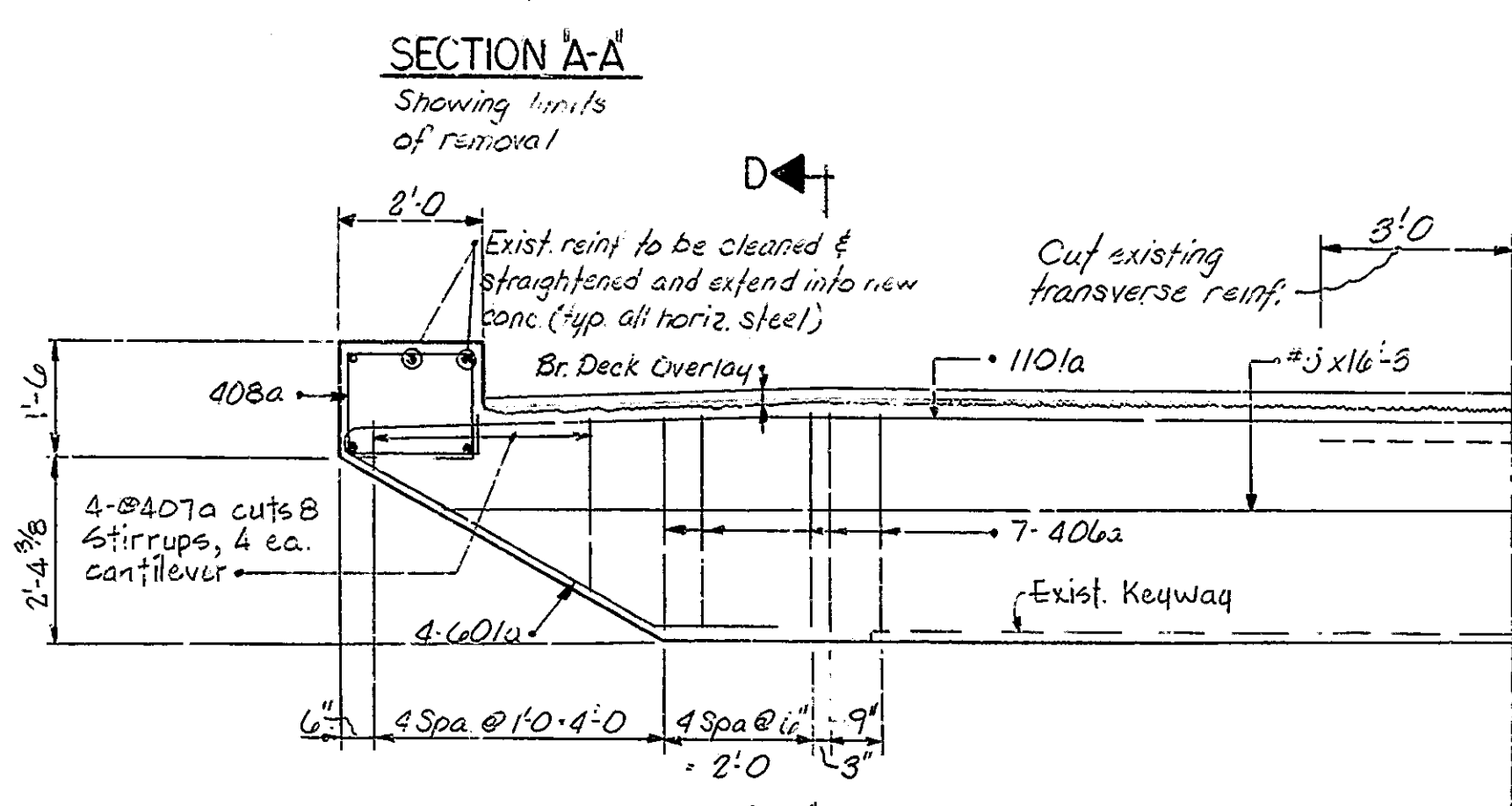
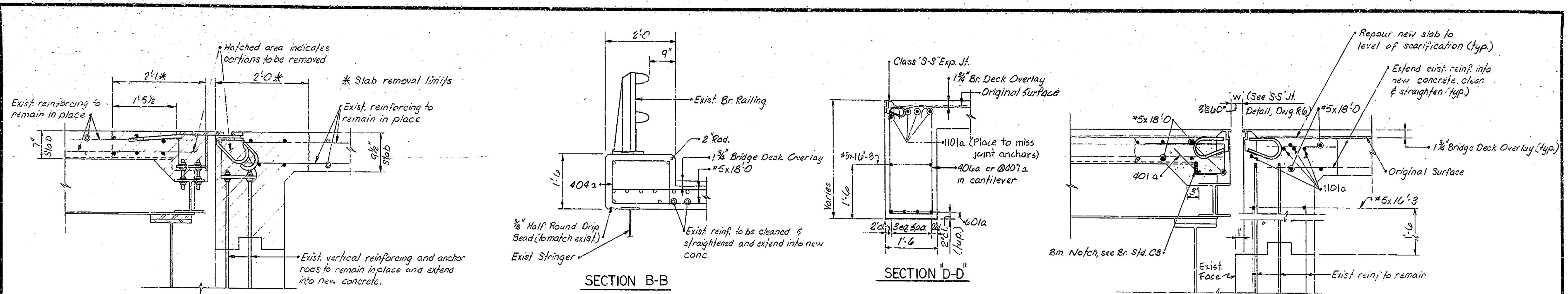
PROJECT: BRM-L720 (1)

CONTRACT NO. 3-13710

BRIDGE FILE: 52-79-17848



DESIGNED: DGL CKD RDP
DRAWN: S. JONES CKD JLM
TRACED: _____ CKD



BILL OF MATERIALS
FOR BENT 1, ABUT. 9 & PIERS 4, 5 & 6

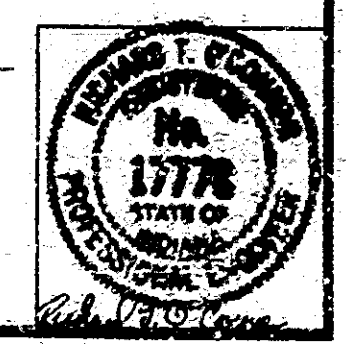
REINFORCING STEEL			
Size & Mark	No of Bars	Length	Weight (lbs.)
1101a	8	19'-7	
		Total #11	832
601a	8	6'-10	
		Total #9	82
#5	26	18'-6	
#5	104	18'-0	
#5	4	16'-3	
#5	4	3'-6	
		Total #5	2537
401a	290	3'-10	
402a	36	3'-9	
403a	38	4'-9	
404a	32	4'-3	
405a	4	4'-6	
406a	14	8'-0	
@407a	4	10'-10	
408a	8	6'-10	
#4	4	3'-0	
#4	4	2'-0	
		Total #4	1210
Total Reinforcing CONCRETE			
Class 'A' Concrete			645
Exp Jt Reconstruction			
Bent No 1			10.3
Pier No 4			4.6
Pier No 5			4.6
Pier No 6			4.6
Abut. No 9			8.4
Total Class 'A' in Superstr.			32.5
Class 'A' Conc. Railing			.3

NOTE:
For Reinf. Bar Notes, see Br. Std. G.1.
For details of Class 'S-S' Exp. Jt. see Dwg R-1.
See G.P. for location of Class 'S-S' Exp. Jt. see Dwg R-1.

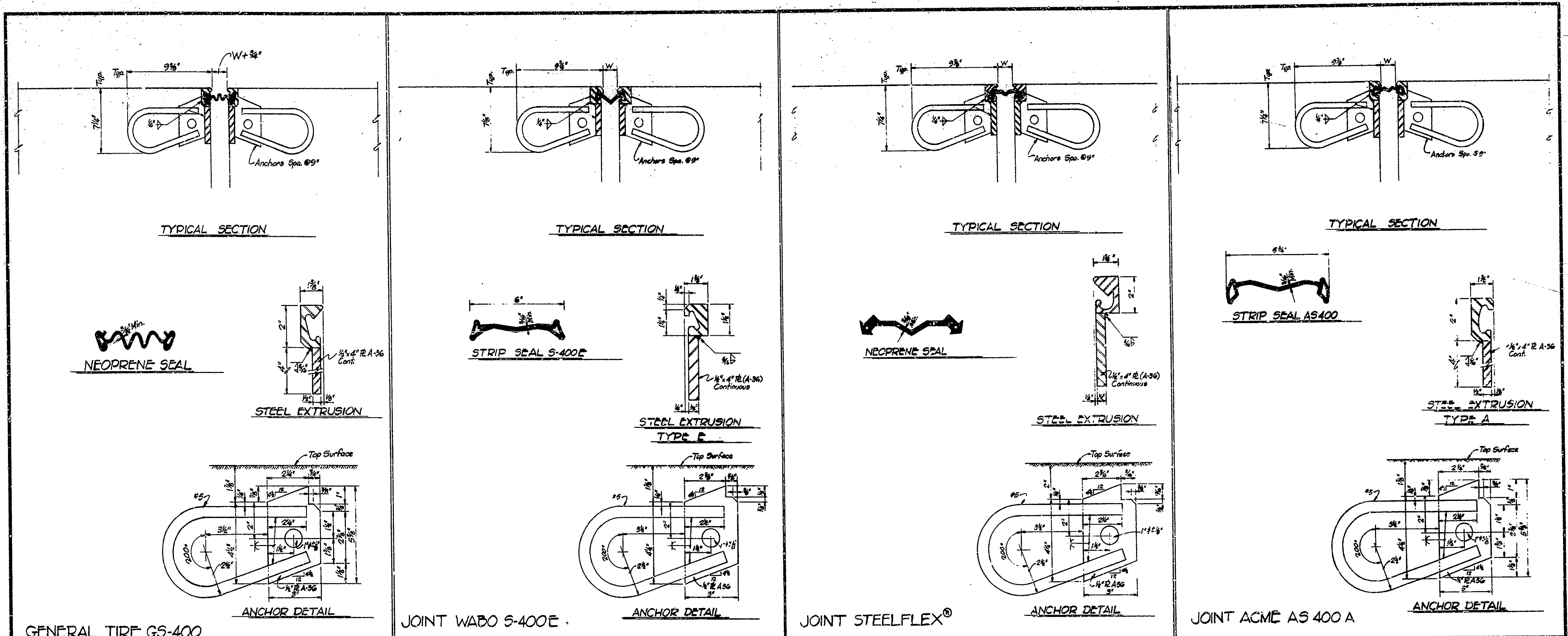
ABUTMENT No 9
EXPANSION JOINT RECONSTRUCTION
& BILL OF MATERIALS
INDIANA STATE HIGHWAY COMMISSION

SCALE: - No Scale DATE: - 9-12-79
SUBMITTED FOR APPROVAL

DRAWING: R5 OF 8 SHEET: 8 OF 30
PROJECT: SR-4-720(1)
CONTRACT NO. B-13710
BRIDGE FILE: 52-79-1784B



DESIGNED: D.C.C. CKS BDP
DRAWN: J.L.F. CKS E.J.N.
TRACED: CKS



GENERAL TIRE GS-400 JOINT WABO S-400E JOINT STEELFLEX® JOINT ACME AS 400 A

NOTES

SEE THE SPECIAL PROVISIONS FOR PROPERTIES OF MATERIALS.
 THE STRIP SEAL GLAND SHALL BE SIZED TO ACCOMMODATE AT LEAST FOUR (4) INCHES OF MOVEMENT.
 THE STRIP SEAL GLAND SHALL BE INSTALLED IN AN EXTRUDED MOUNTING UNIT.
 THE COST OF EXTRUSIONS, ELASTOMERIC SEAL ELEMENTS, SEALANTS, ADHESIVE, CEMENT, GROUT, ANCHOR SYSTEM AND INSTALLATION OF JOINT SHALL BE INCLUDED IN THE COST OF EXPANSION JOINT.
 THE PROFILE OF THE JOINT IS TO CONFORM TO THE ROADWAY CROSS SECTION.
 THE SEAL ELEMENT SHALL BE MOULDED AND FURNISHED IN A CONTINUOUS LENGTH EQUAL TO THAT REQUIRED FOR THE JOINT.
 AT CHANGES IN DIRECTION (AT CURBS, MEDIAN BARRIERS, ETC) THE SECTIONS OF JOINT ARE TO BE CUT TO THE NEAR, REQUIRED TO PRODUCE THE SAME CROSS SECTION ON EACH PIECE BEING JOINED.
 THE ANCHOR ASSEMBLY IS TO BE SHOP PREPARED AND DELIVERED TO THE JOB SITE AS A COMPLETE CONTINUOUS UNIT FOR JOINT LENGTHS UP TO 44 FEET; JOINTS HAVING LENGTHS OF 44 FEET OR JOINTS USED WITH STAGE CONSTRUCTION SHALL BE FIELD WELDED WITH ENDS TO BE SHOP PREPARED.
 ALL WORK, BOTH SHOP & FIELD, SHALL BE IN ACCORDANCE WITH 7103.
 ALL EXPOSED STRUCTURAL STEEL SURFACES WILL BE PAINTED IN ACCORDANCE WITH ISHC STANDARD SPECIFICATIONS.
 THE CONTRACTOR SHALL SUBMIT 3 COPIES OF SHOP DRAWINGS FOR ALL JOINTS INVOLVING CURBS OR OTHER SPECIAL FEATURES.

NOTE: EXTRUSIONS WITH HEIGHTS BETWEEN 1½" AND 2" MAY BE SUBSTITUTED FOR THOSE SHOWN. IF SUCH A SUBSTITUTION IS MADE, THE NOTCH IN THE ANCHOR PLATE AND THE STRIP SEAL GLAND SHALL BE MODIFIED ACCORDINGLY AND IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

Ambient Temperature	DIMENSION "W"		
	100' - 200'	200' - 300'	300' - 400'
120°	2½"	1½"	1½"
100°	2½"	1½"	1½"
80°	2½"	1½"	1½"
60°	3"	2"	2½"
40°	3½"	2½"	3"
20°	3½"	3"	3½"
0°	3½"	3½"	4"

EXPANSION JOINTS CLASS S-S
INDIANA DEPARTMENT OF HIGHWAYS

SCALE: - NONE DATE: 11-29-83

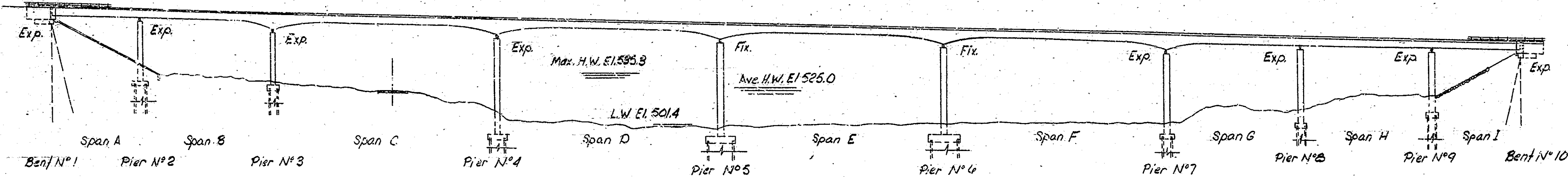
DRAWING: 9A OF 8 SHEET: 9A OF 30
 PROJECT: BRM-L720(1)
 CONTRACT NO. 8-13710
 BRIDGE FILE: 52-79-17848



DESIGNED: CKD
 DRAWN: DAS
 TRACED: CKD

Revised 3/1/82 - Mktg Revised 4/21/83

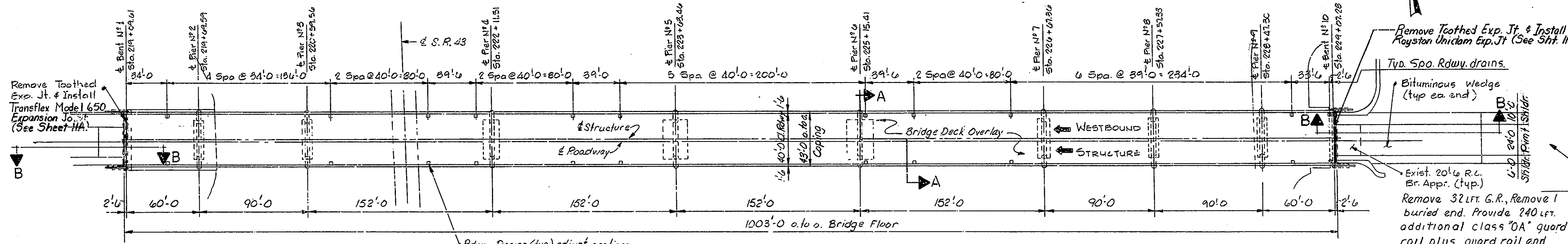
STRUCTURE BUILT ON A -2.5% GRADE



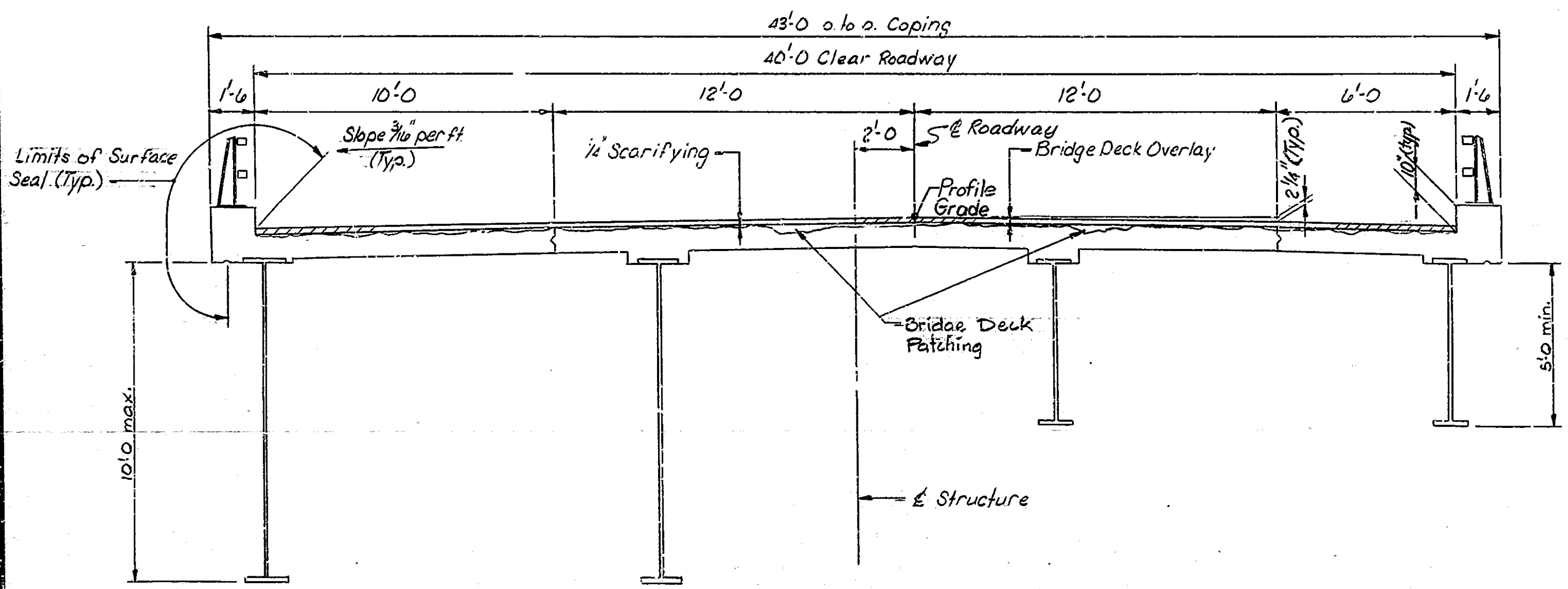
ELEVATION
Scale: 1"=40'-0"

UTILITY OWNERS	
Telephone:	General Telephone Company of Ind., Inc. 8001 U.S. 24 West Post Office, Box 1201 Ft. Wayne, In. 46801
Power:	Public Service Indiana 1000 East Main St. Plainfield, In 46168

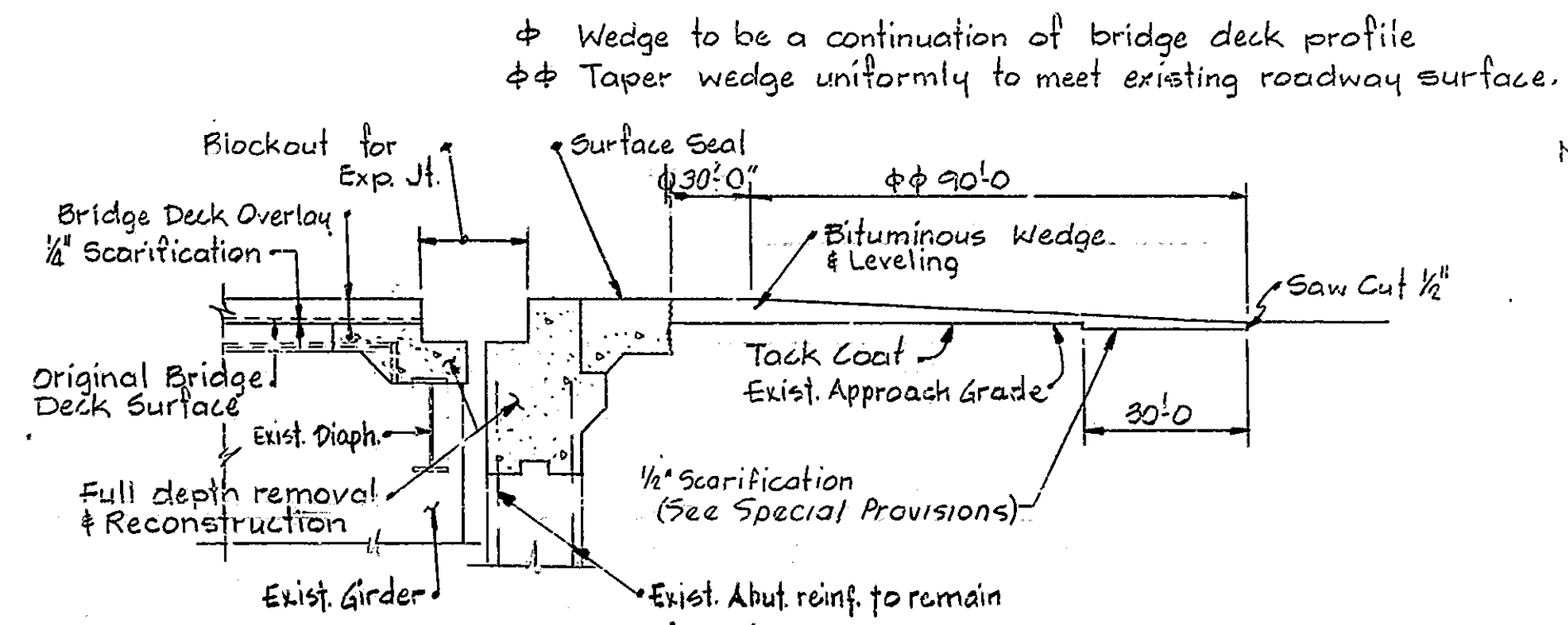
11-27-77 3 1/2
11-25-78 8
11-30-78 3 1/2
1-19-79 - 30c
1-22-79 4 1/2 HA
7-10-79



PLAN
Scale: 1"=40'-0"



SECTION A-A
Scale: 1"=3'-0"



SECTION B-B
No Scale

Note:
Seal all joints and cracks in the approach pavement with a hot poured joint sealer before placing the bituminous wedges.

BRIDGE DECK RECONSTRUCTION AND OVERLAY
GENERAL PLAN

CONTINUOUS WELDED STEEL PLATE GIRDER BRIDGE
9 SPANS: 50'-0, 90'-0, 4-152'-0, 2-90'-0, 60'-0 SQUARE
40'-0 CL. ROADWAY + 2'-3" CURBS
OVER WABASH RIVER ON U.S. 52 BY-PASS

INDIANA STATE HIGHWAY COMMISSION
TIPPECANOE COUNTY

SCALE: AS NOTED DATE: 9-12-79

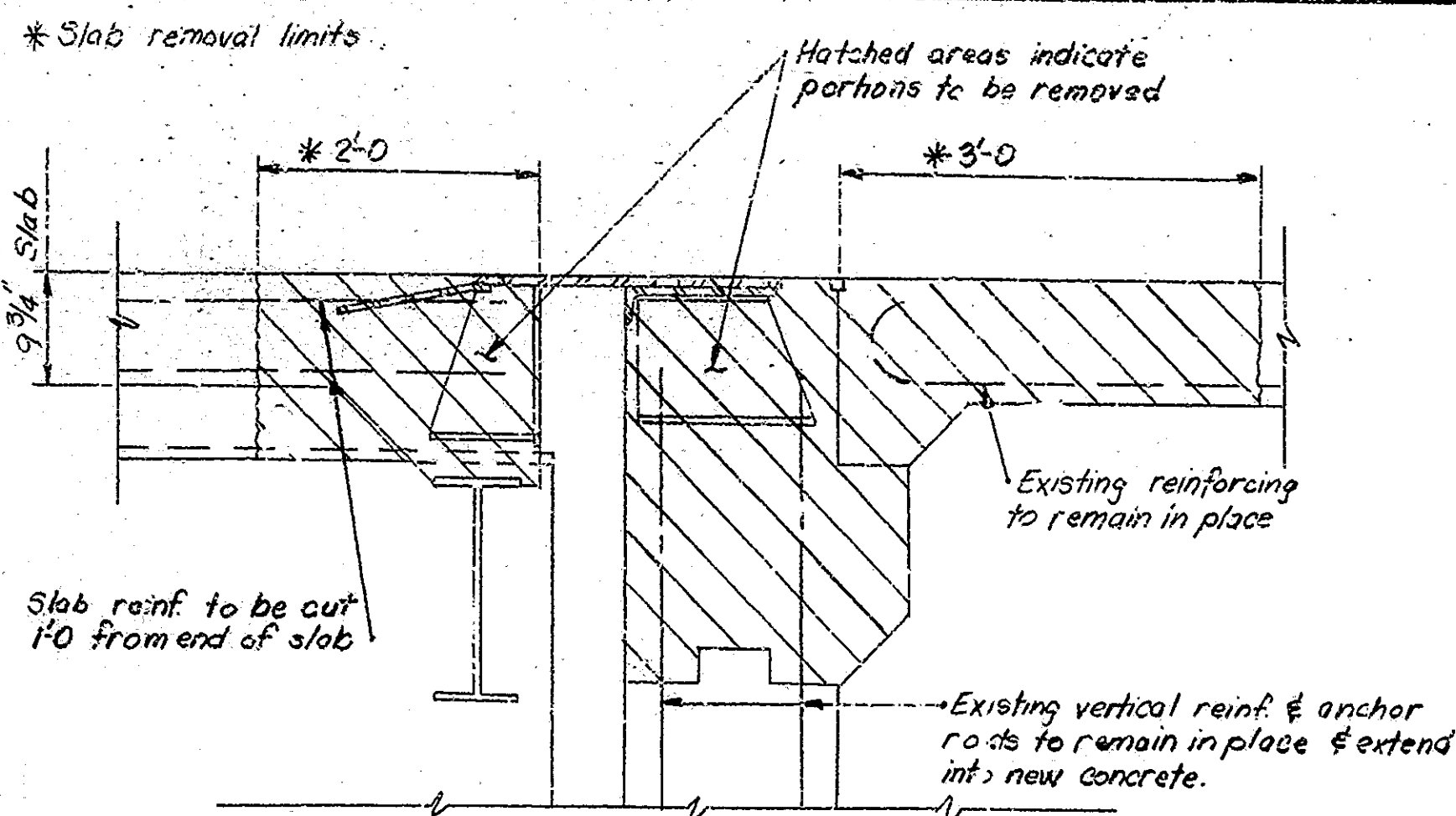
SUBMITTED FOR APPROVAL:

DRAWING: R7 OF 8 SHEET: 10 OF 50
PROJECT: BRM-L720(1)
CONTRACT NO. B-13710
BRIDGE FILE: 52-79-1784JA

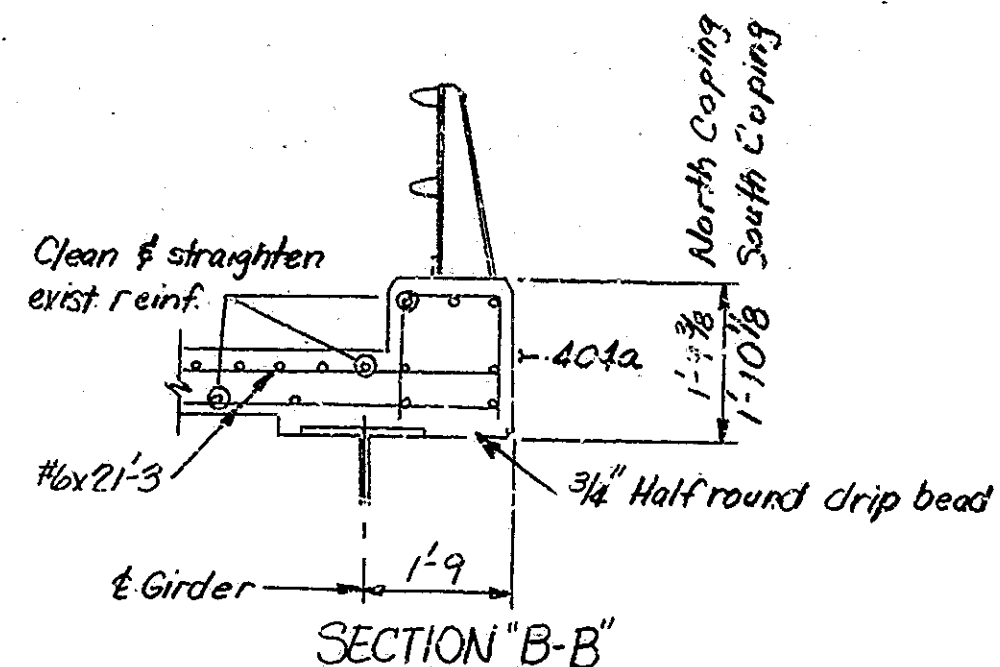


DESIGNED: D.O. CKD R.D.P.
DRAWN: S.J. CKD T.J.N.
TRACED: J.L.F. 11-30-80 CKD

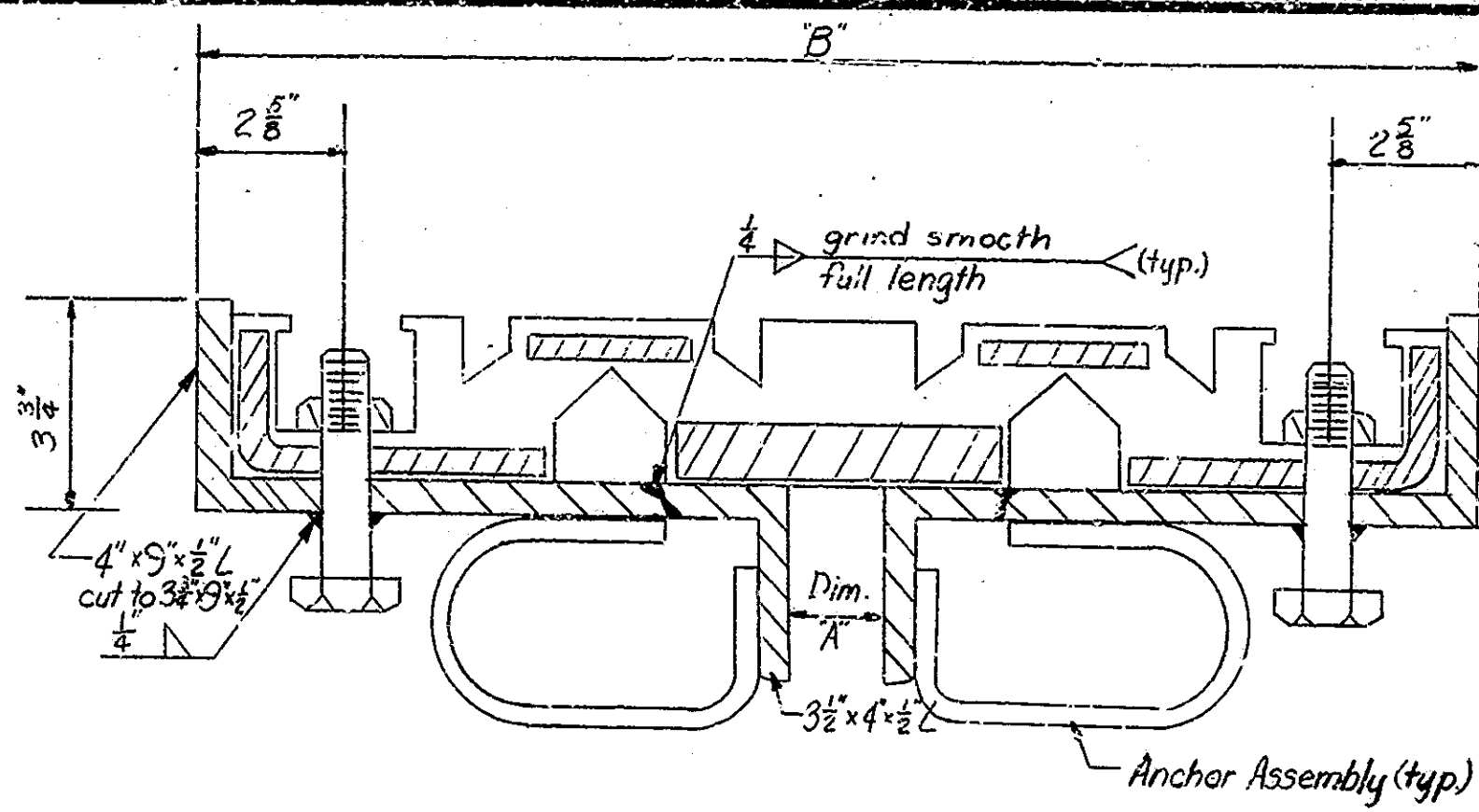
Revised 11-29-83 Note on Plan concerning joints; curb height Rev. 11-29-83 G.R.E.T. Type I



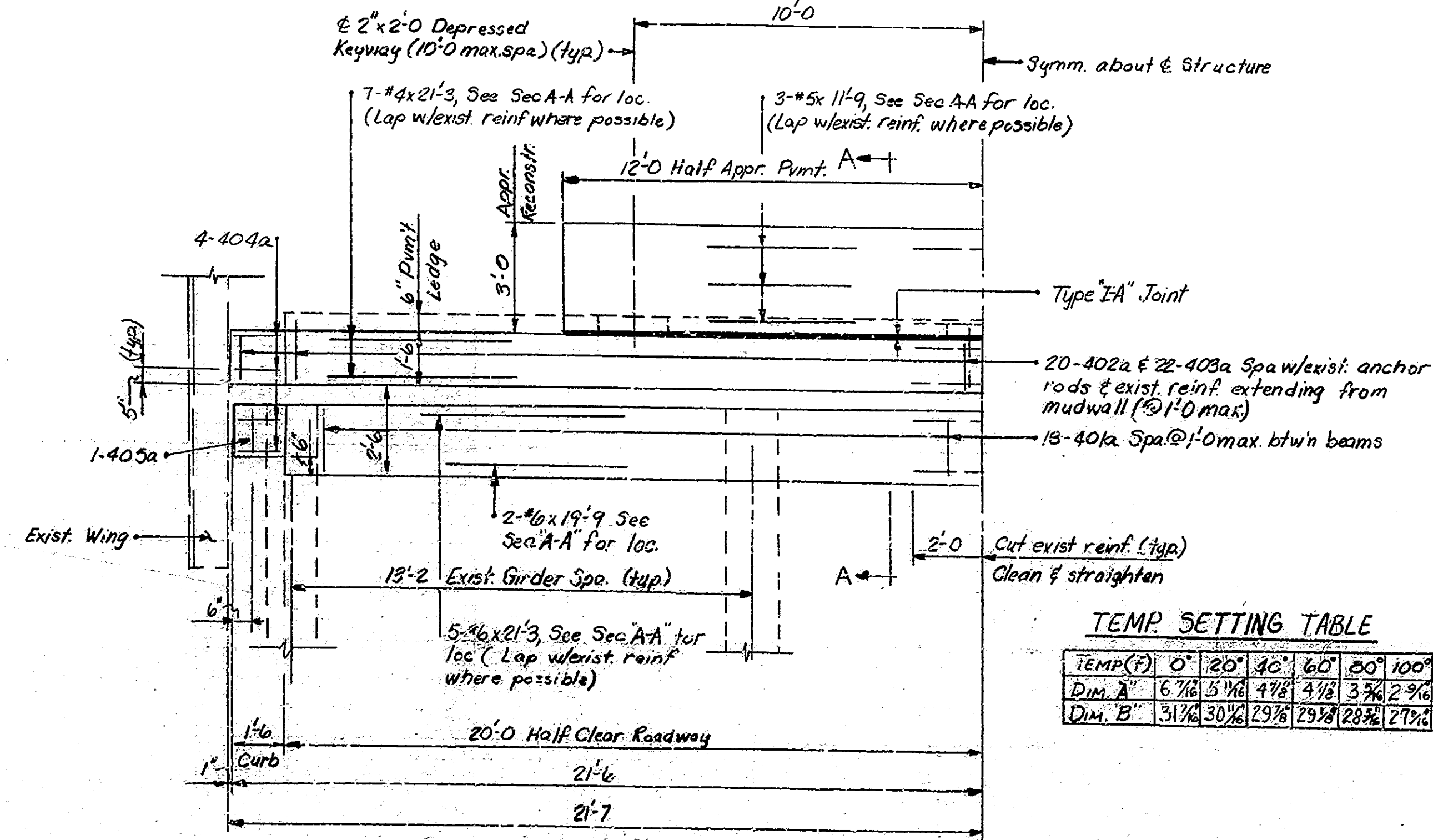
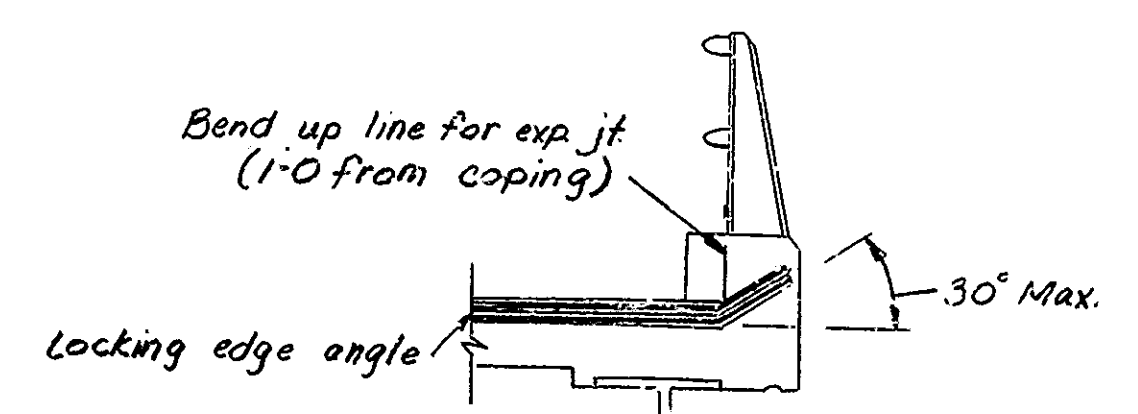
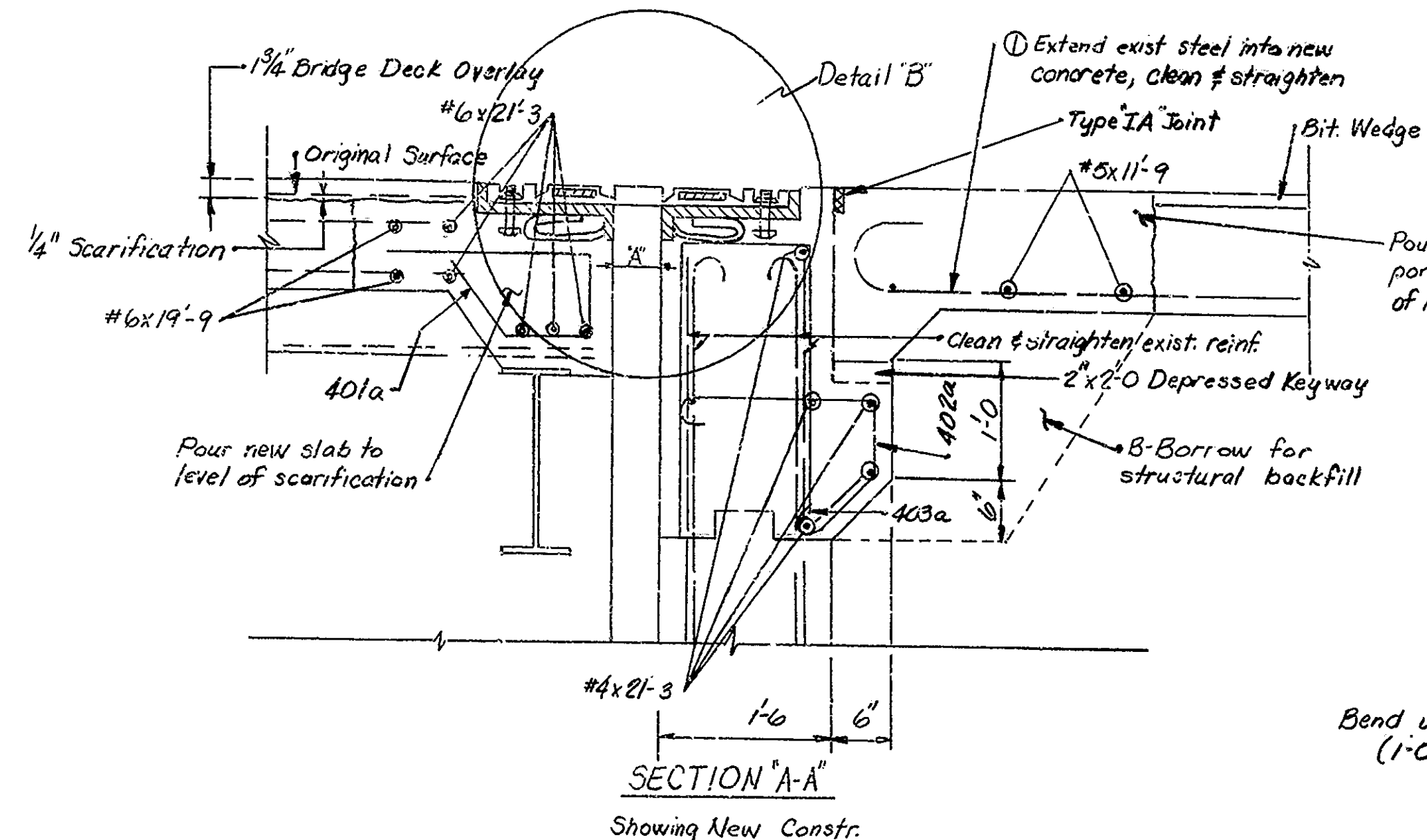
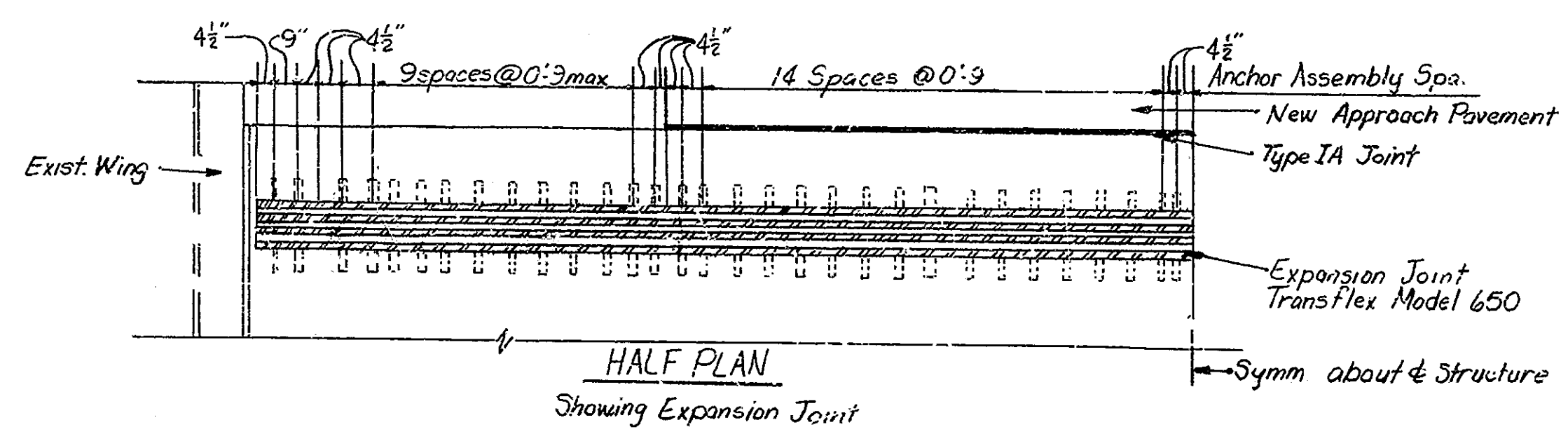
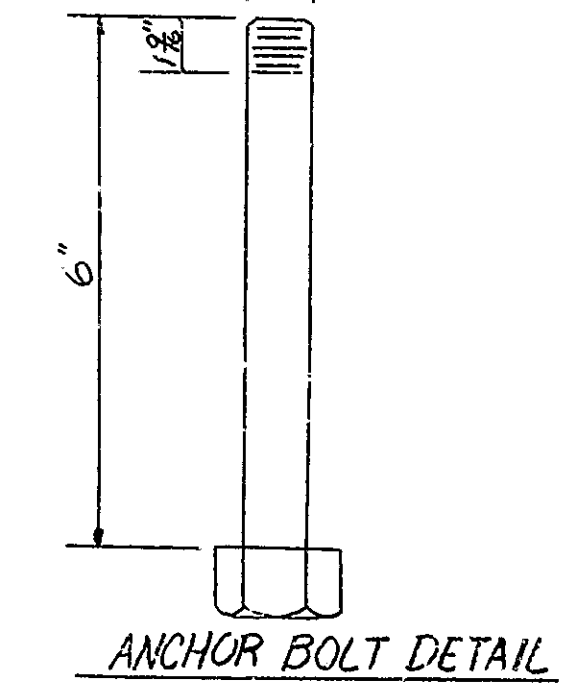
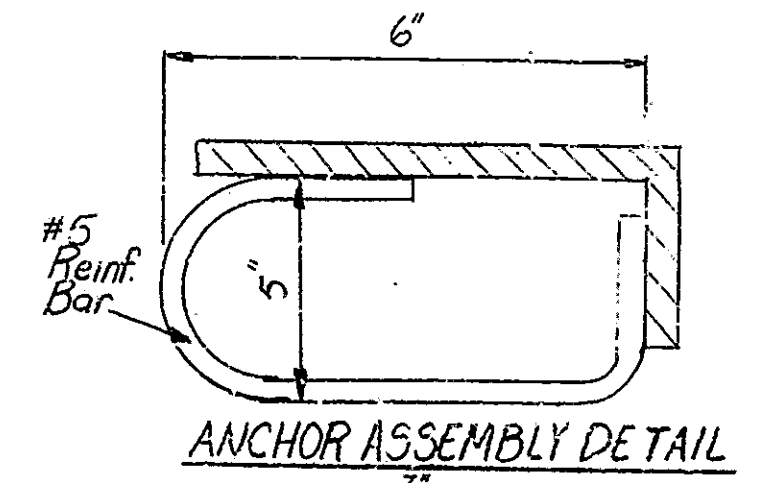
SECTION "A-A"
Showing Limits of Removal



SECTION "B-B"

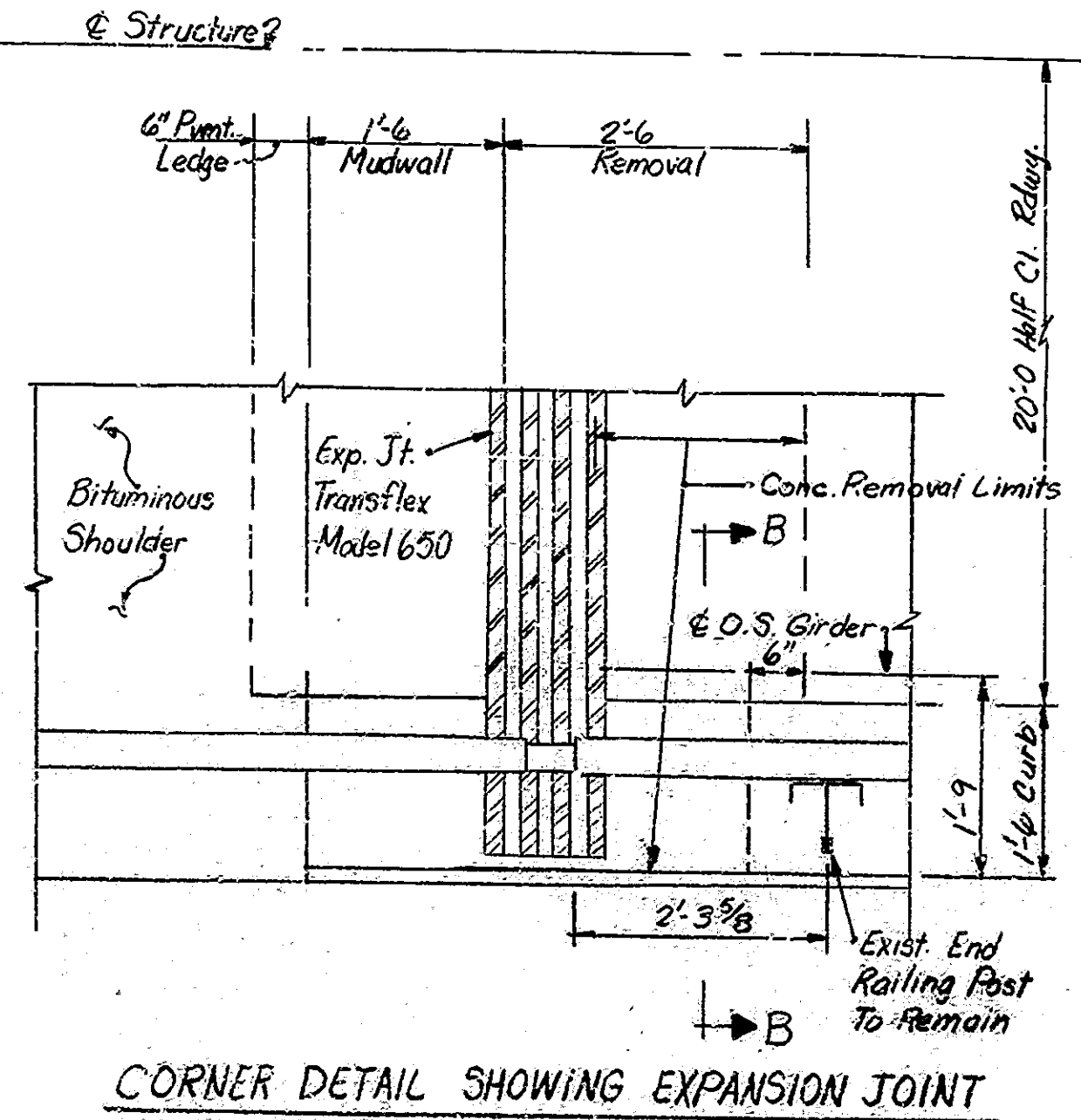


DETAIL "B"
TRANSFLEX MODEL 650
EXPANSION JOINT



TEMP. SETTING TABLE

TEMP (F)	0°	20°	40°	60°	80°	100°	120°
DIM. A	6 7/8"	5 1/8"	4 7/8"	4 1/8"	3 7/8"	2 3/4"	1 3/4"
DIM. B	3 1/8"	3 0/8"	2 9/8"	2 9/8"	2 9/8"	2 7/8"	2 6/8"



General Notes:

For Reinf. Bar Notes, see Br. Std. C1.

Modular expansion joint shall conform to the top of the roadway surface. Modular joint shall be capable of a total movement of 6 1/2 inches (See Special Provisions)

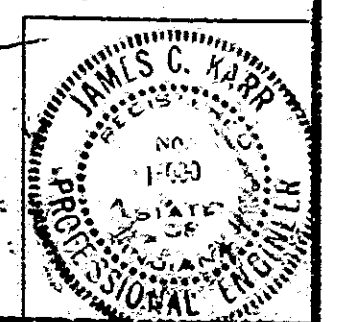
The top and sides of the top flange of all beams & end diaphragms within the slab removal area shall be thoroughly cleaned & primed with one coat of Zinc Silicate paint before repouring the slab. See the Special Provisions. Cost of cleaning & painting shall be included in cost of other items.

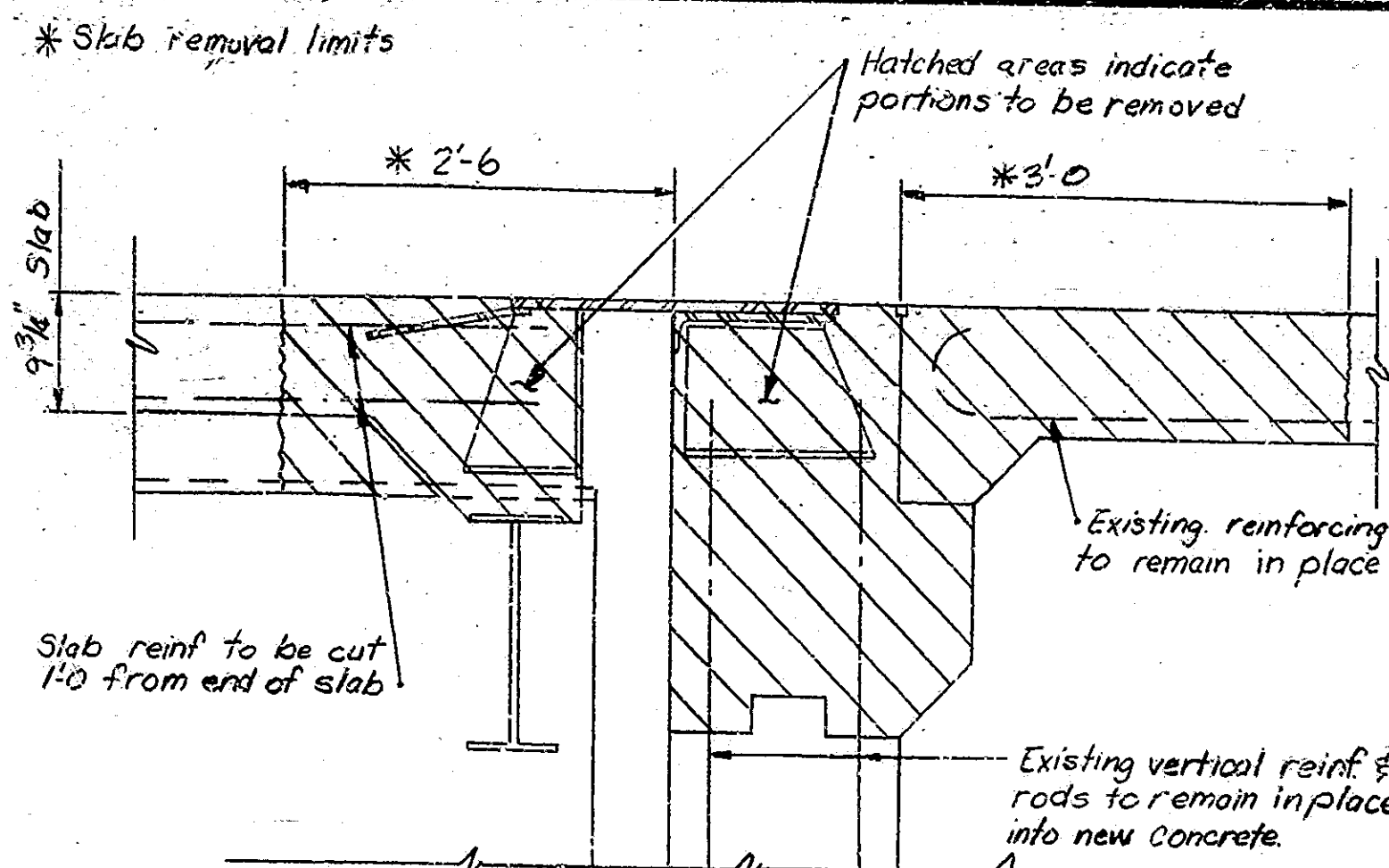
See Drawing R08 for Bill of Materials and Bending Diagrams.

TRANSFLEX MODEL 650 EXPANSION JOINT
BENT #21
INDIANA DEPARTMENT OF HIGHWAYS

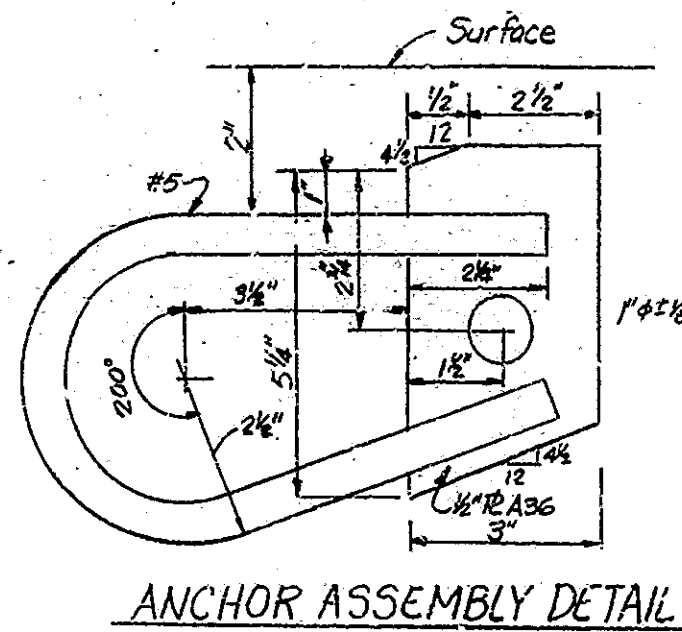
SCALE: None DATE: 11-29-83

DRAWING: R08 OF 8 SHEET: 11A OF 30
PROJECT: BRM-L 720 (11)
CONTRACT NO. B-13710
BRIDGE FILE: 52-79-1784 JA

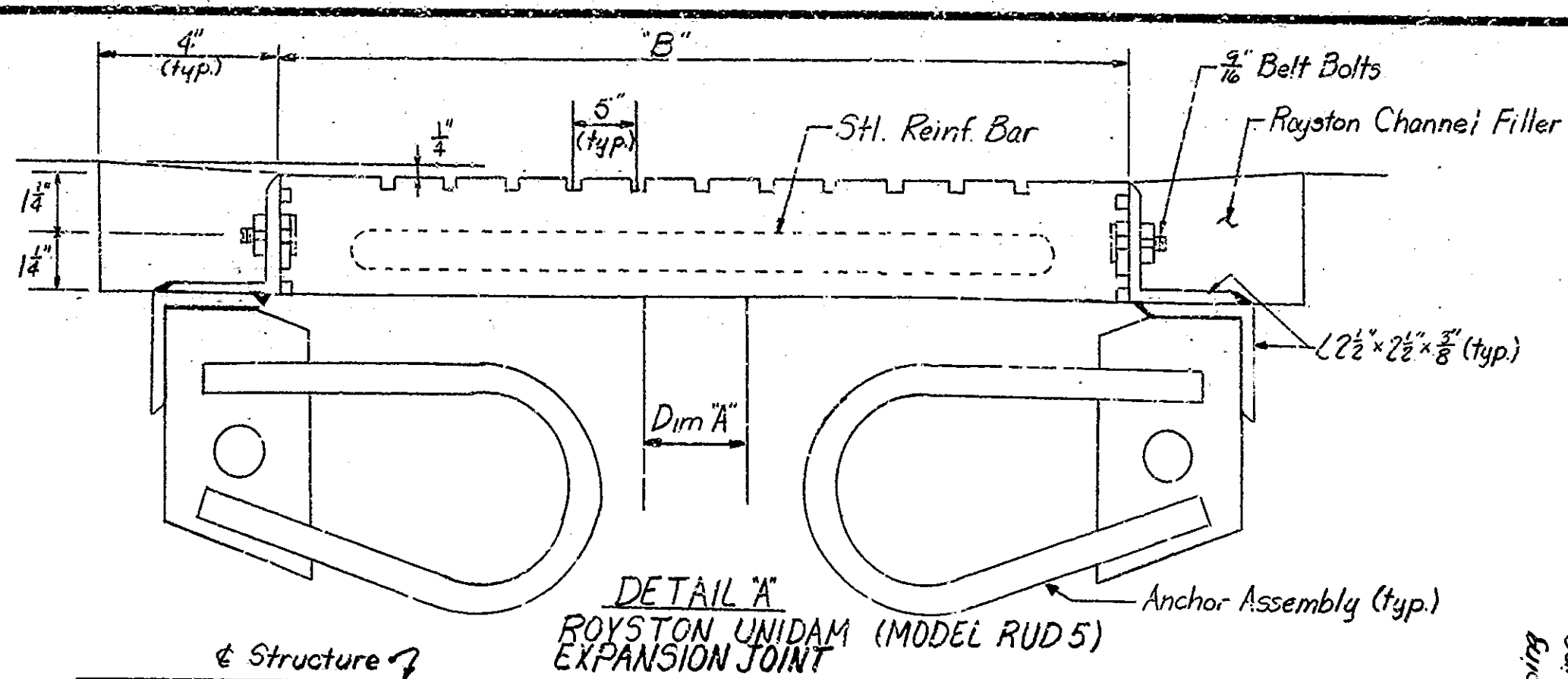




SECTION "A-A"
Showing Limits of Removal



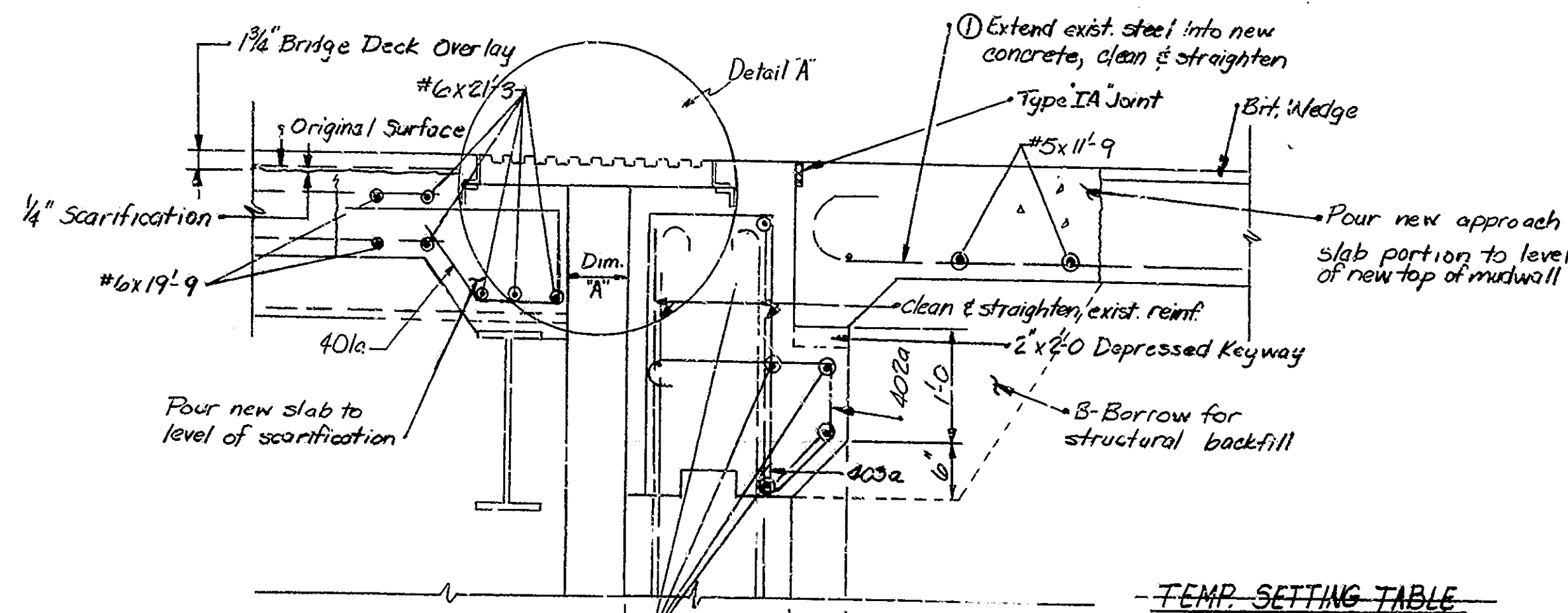
ANCHOR ASSEMBLY DETAIL



DETAIL "A"
ROYSTON UNIDAM (MODEL RUD 5)
EXPANSION JOINT

BILL OF MATERIALS
For Bent No. 1 & Bent No. 10

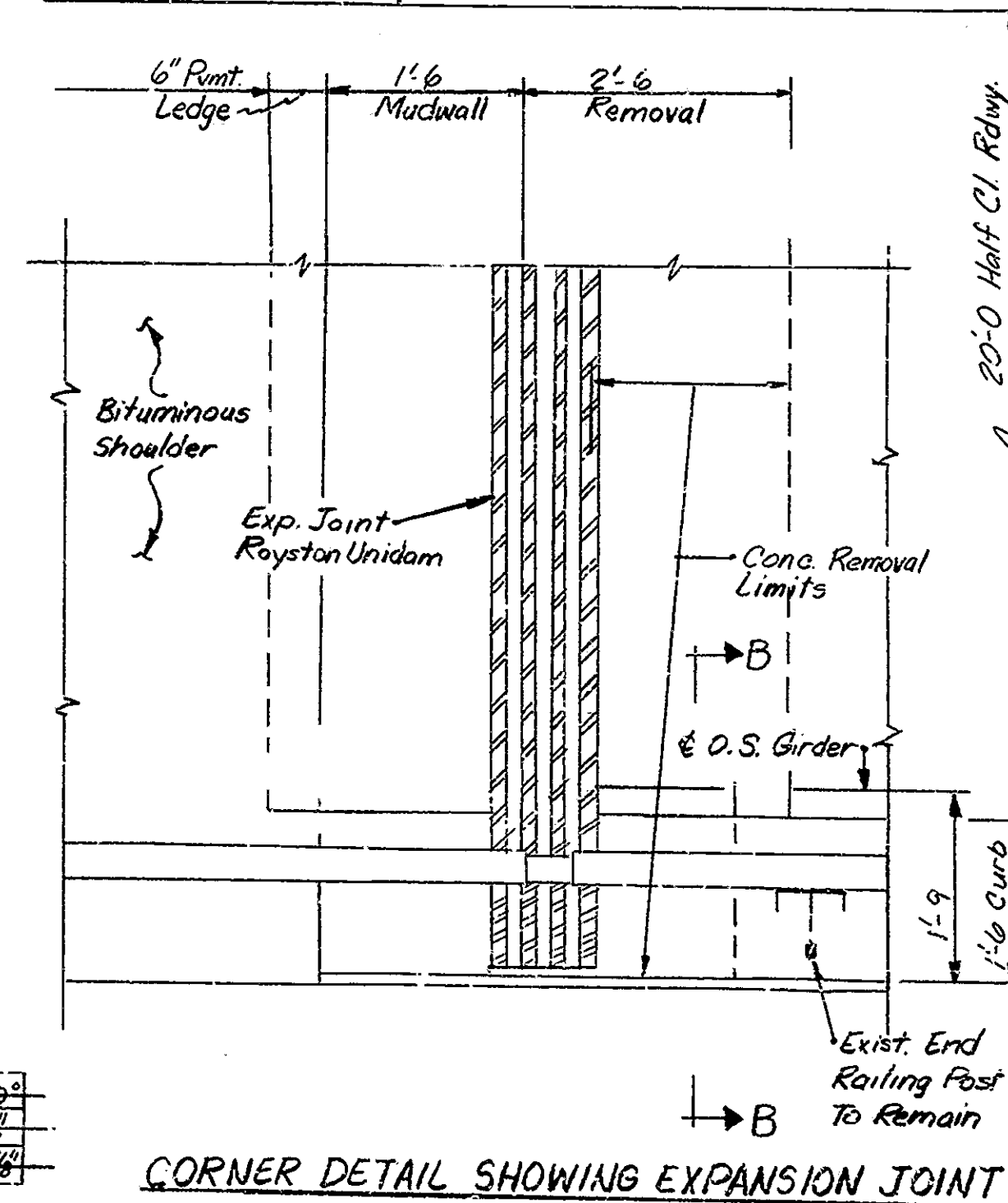
REINFORCING STEEL			
Size & Mark	No. of Bars	Length	Weight (lbs.)
#6	20	21'-3"	
#6	8	19'-9"	
Total #6			876
#5	12	11'-9"	
Total #5			147
401a	72	4'-5"	
402a	80	4'-0"	
403a	88	5'-6"	
404a	16	4'-0"	
405a	3	3'-6"	
#2	28	21'-3"	
Total #4			1198
Total Reinforcing			2221
CONCRETE Class "A"			
Expansion Joint Reconstruction			
Bent No. 1			15.22 cys.
Bent No. 10			15.22 cys.
Class "A" in Superstructure			30.42 cys.
MISCELLANEOUS			
Royston Unidam Exp. Jt.			43 Lft.
Transflex Exp. Jt.			43 Lft.



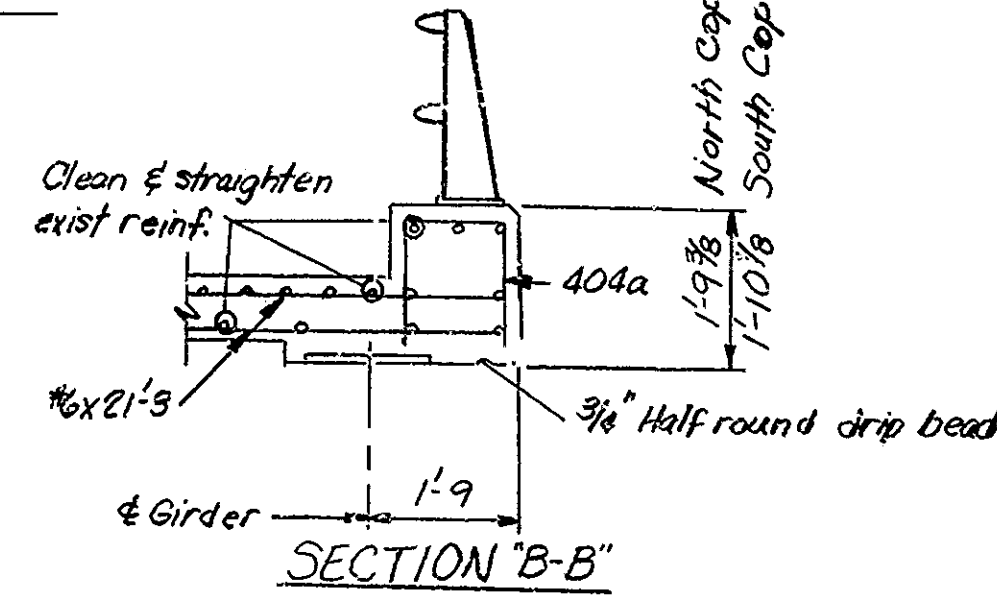
SECTION "A-A"
Showing New Constr.

TEMP. SETTING TABLE

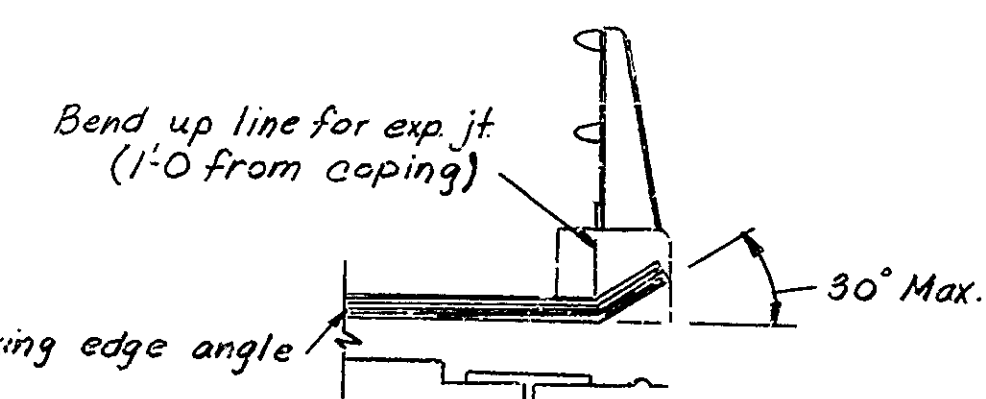
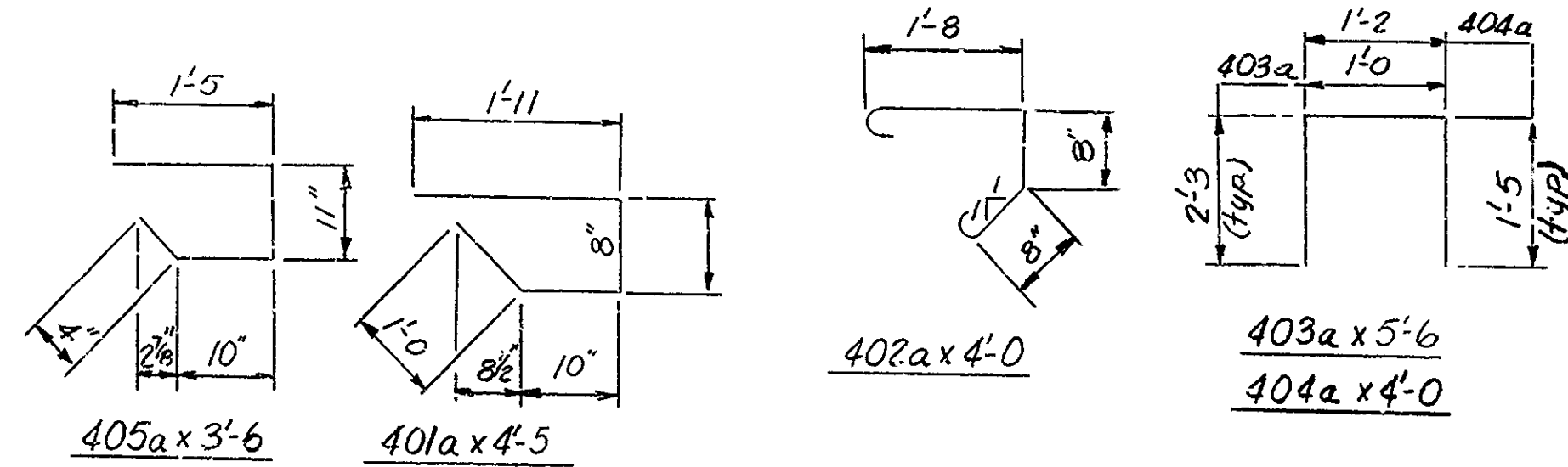
Temp (F)	0°	20°	40°	60°	80°	100°	120°
Dim. A	5 1/4"	4 9/16"	3 7/8"	3 1/2"	2 9/8"	1 9/8"	7/8"
Dim. B	3 1/8"	2 5/8"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"



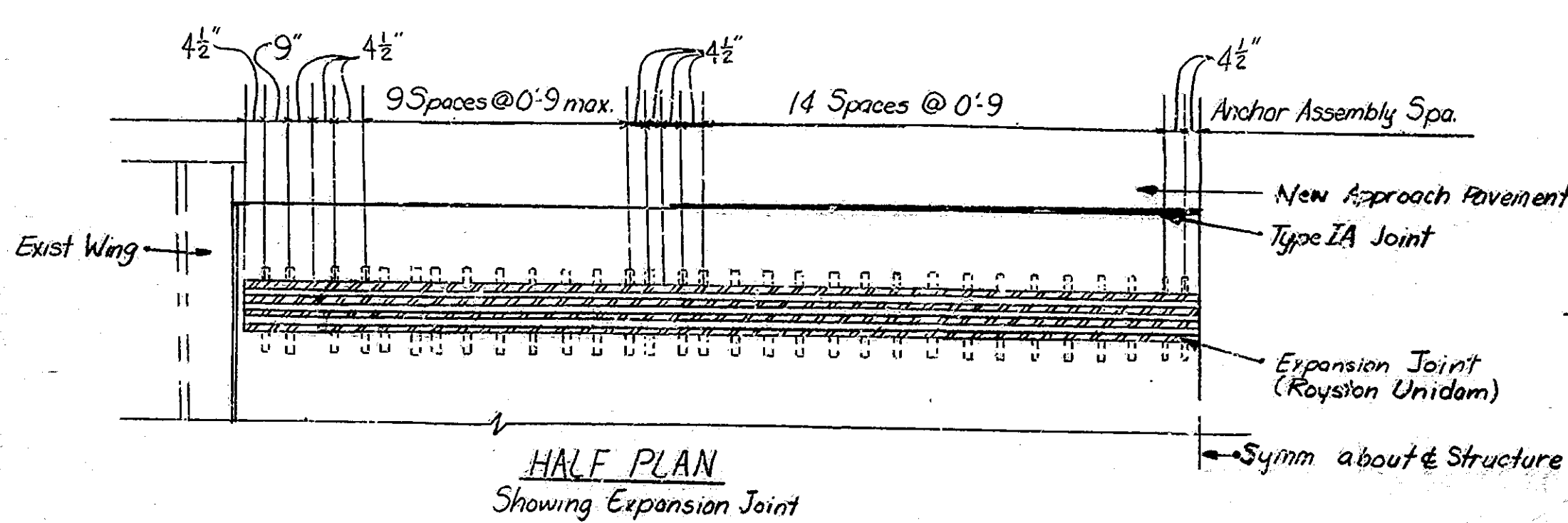
CORNER DETAIL SHOWING EXPANSION JOINT



SECTION "B-B"



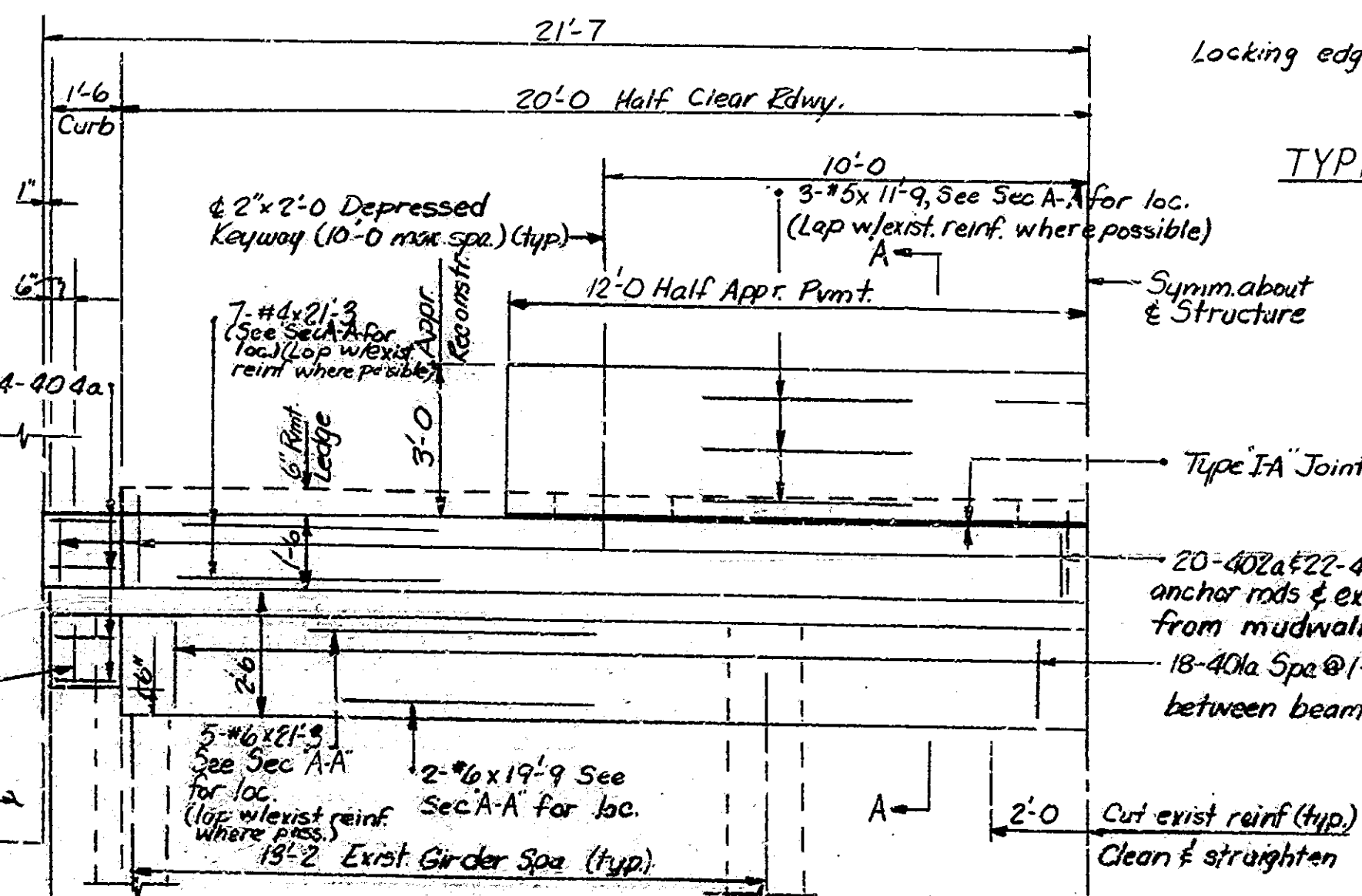
TYPICAL EXPANSION JOINT INSTALLATION @ CURB



HALF PLAN
Showing Expansion Joint

TEMP. SETTING TABLE

TEMP. (F°)	0°	20°	40°	60°	80°	100°	120°
DIM. A	5 1/4"	4 9/16"	3 7/8"	3 1/2"	2 9/8"	1 9/8"	7/8"
DIM. B	2 5/8"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"

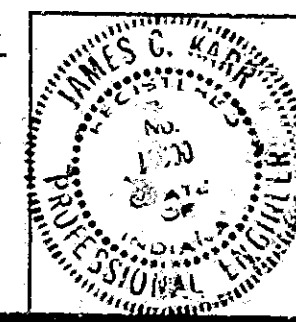


HALF PLAN
Showing Conc. Dim. & Reinf. Steel

See Drawing R8A for General Notes
ROYSTON UNIDAM EXPANSION JOINT
BENT NO. 10
INDIANA DEPARTMENT OF HIGHWAYS

SCALE: None DATE: 11-29-83

DRAWING: R8B OF 8 SHEET: 118 OF 30
PROJECT: BRM-L720(1)
CONTRACT NO. B-13710
BRIDGE FILE: 52-79-1784 JA



Rev. 12-21-83 Temp. Setting Table
Rev. 5-28-84 Temp. Setting Table

