

SEE END CROSSFRAME DETAIL "A" FOR MODIFICATION SEE SHEET 37/37

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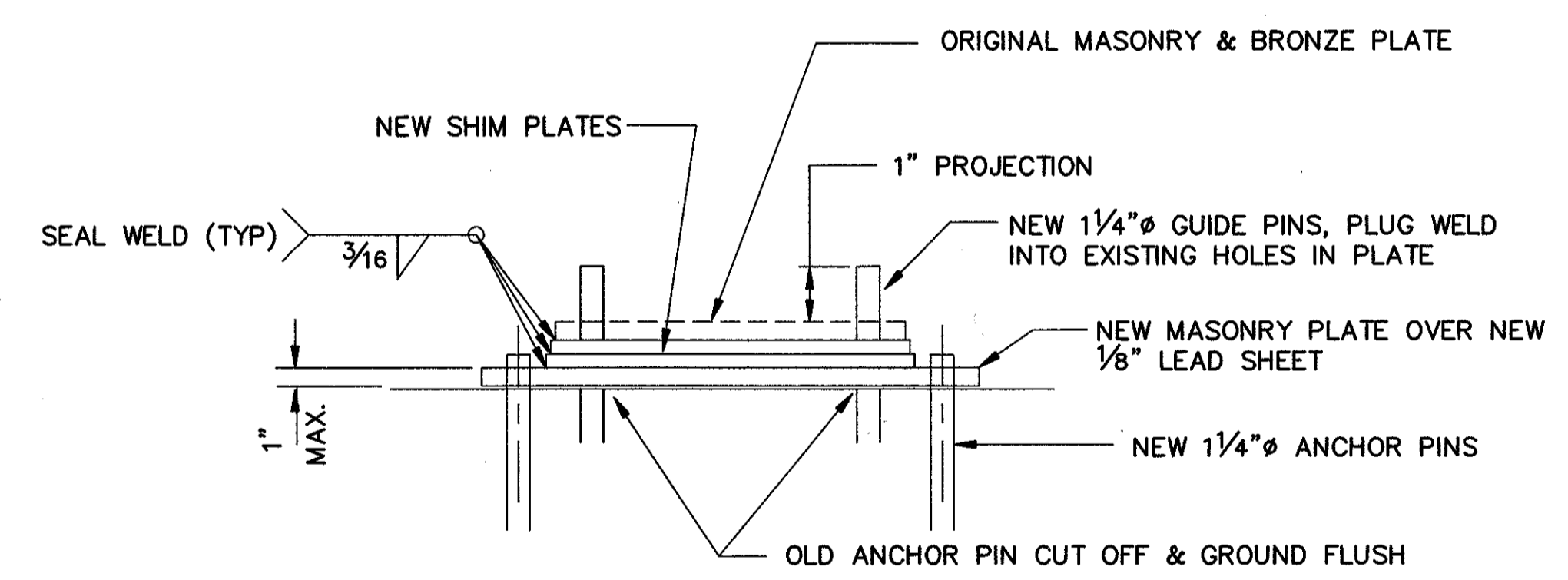
**PLAN BRIDGE NO. LAK-90-1487L**

SHIM PLATE THICKNESS*							
BRIDGE NO. LAK-90-1478L							
GIRDER END	A	B	C	D	E	F	G
REAR ABUTMENT	3/8"	1 1/16"	1 3/4"	2 3/8"	3 1/16"	3 3/8"	4 3/8"
FORWARD ABUTMENT	1 3/4"	1 3/4"	1 1/16"	1 5/8"	1 5/8"	1 9/16"	1 1/2"

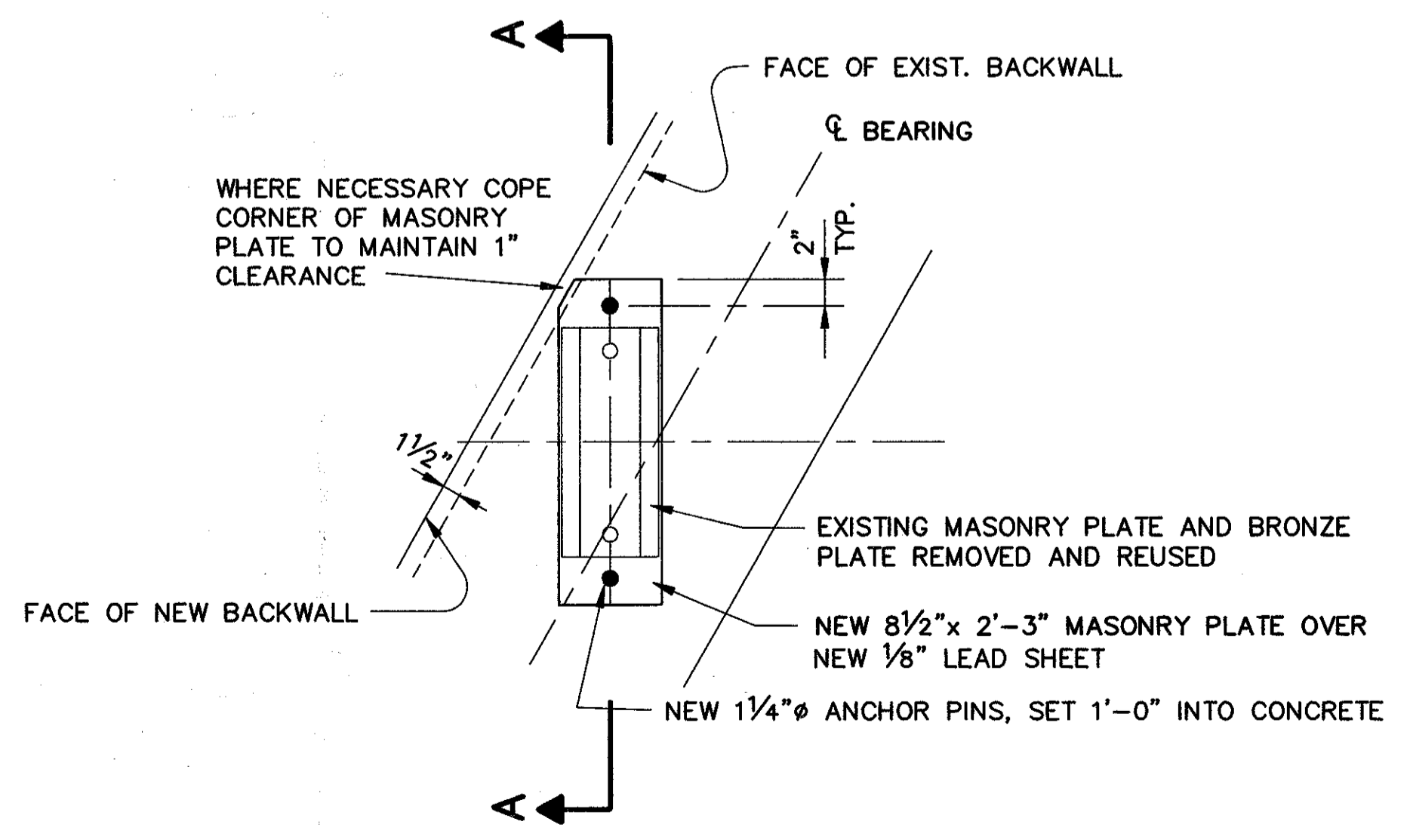
\*SEE STEP NO. 6 OF PROCEDURE NOTES

**PROCEDURE FOR RESETTING BEARINGS AT ABUTMENTS**

1. Raise the entire superstructure at an abutment at one time, including the bottom masonry plate and bronze plate. Raise high enough to cut off the anchor bolt projections. The contractor shall submit to the Engineer for approval his plan for jacking, bracing, shoring and resetting the bearings while portions of the bridge remain open to traffic. In addition, the contractor shall submit for Engineers approval a maintenance of traffic plan to be used during the jacking operation.
2. Remove masonry and bronze plates.
3. Clean all plates including the top plate which is welded to beam flange for reuse. Any portions of bearing plates that appear to be deteriorated or pitted beyond reuse, shall be replaced with new items of the same material as the existing at the direction of the Engineer.
4. Remove existing anchor to below top of bridge seat.
5. Reposition the existing masonry and bronze plates so they are centered below the top plate at 60° F.
  - A. If new anchor bolt holes can be drilled to clear existing anchor bolt stubs, the existing masonry and bronze plate can be placed on top of new steel shim plates with matching anchor bolt holes, as shown on sheet 33/37
  - B. If new anchor bolt holes will interfere with existing anchor bolt stubs, using the existing masonry plate as above, provide a new masonry plate (2'-3" x 8 1/2") as shown on this sheet. Weld any additional shim plates to this new plate. Weld the existing masonry and bronze plate on top.
6. Raise each beam to nearly original elevation. The shim thicknesses shown on the accompanying tables were calculated, based on the bridge seat elevations obtained from plans of the existing structures and field measurements. Values indicated in the "SHIM PLATE THICKNESS" table on this drawing are to be verified by the contractor in the field.
7. Weld new steel pins into existing masonry and bronze plates as shown for beam guides, if step 5a above is used.
8. Install bronze plate and lower beam.

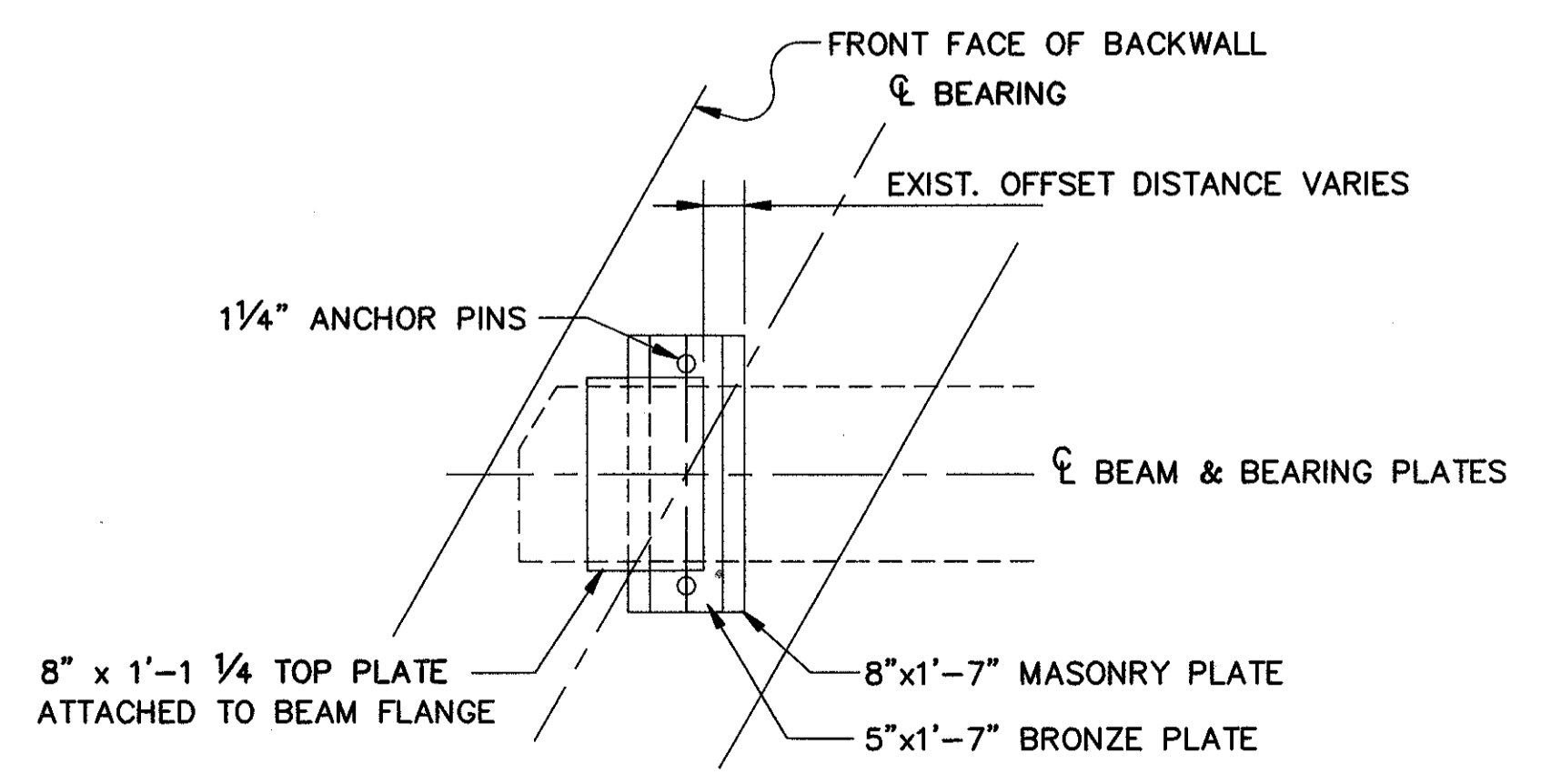


**SECTION A-A**



**MODIFIED PLAN VIEW**

(SEE NOTE NO. 5 PART B ON THIS SHEET)



**EXISTING CONDITIONS**

NOTATION: EXIST.-EXISTING, MAX.-MAXIMUM, TYP.-TYPICAL.

<b>COLPETZER-THOMAS, INC.</b> AN ENGINEERING GROUP <small>WILLOUGHBY • MENTOR • NORTH CANTON • STEUBENVILLE • LORAIN</small>						32/37
<b>RESETTING BEARINGS</b> <b>BRIDGE NO. LAK-90-1487L</b>						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.J.C.	R.L.B.	H.P.	J.E.A.	B.J.A.	11/2/87	