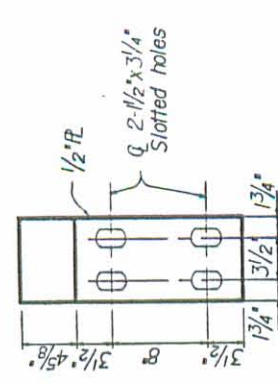


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LOGAN COUNTY	
LOG-347-2.88	



VIEW S-S

NOTES

- Dimensions do not include allowance for fit-up.
- Asphalt concrete surface course shall consist of a variable thickness of 403 and a 1/4" thickness of 404. The 403 shall be placed in two operations. The first course shall be of 1/4" uniform thickness. The second course shall be feathered to place the surface parallel to and 1/4" below final pavement surface elevation.
- For details of deep beam bridge guard rail with tubular backup, see Standard Drawing DBR-2-73.
- For notes regarding transverse tie rods, galvanizing and anchor dowels see Standard Drawing PSBD-1-81, Sheet 1 of 4. For notes regarding Non-Shrinking Mortar and Preparation of Concrete Surfaces in Contact with Non-Shrinking Mortar, see General Notes, Sheet 3/79.
- For beam lifting inserts, section showing wall thickness of guard rail post anchors, details and reinforcement of beam ends, end details of transverse tie rod anchorage, typical plans of diaphragms and transverse tie rods, normal crown treatment at Q Roadway and beam dimensional tolerances, see Standard Drawing PSBD-1-81, Sheets 1 and 2 of 4.
- For Details A and B and section at abutments, see Sheet 8/9.
- For General Notes, see Sheet 3/9.
- Fabricator's shop drawings shall show complete details of the reinforcing bars encased in the box beams.
- For dowel holes in end of beams, placement of laminated elastomeric bearings and notches at beam bearings, see Detail C Sheet 8/9.

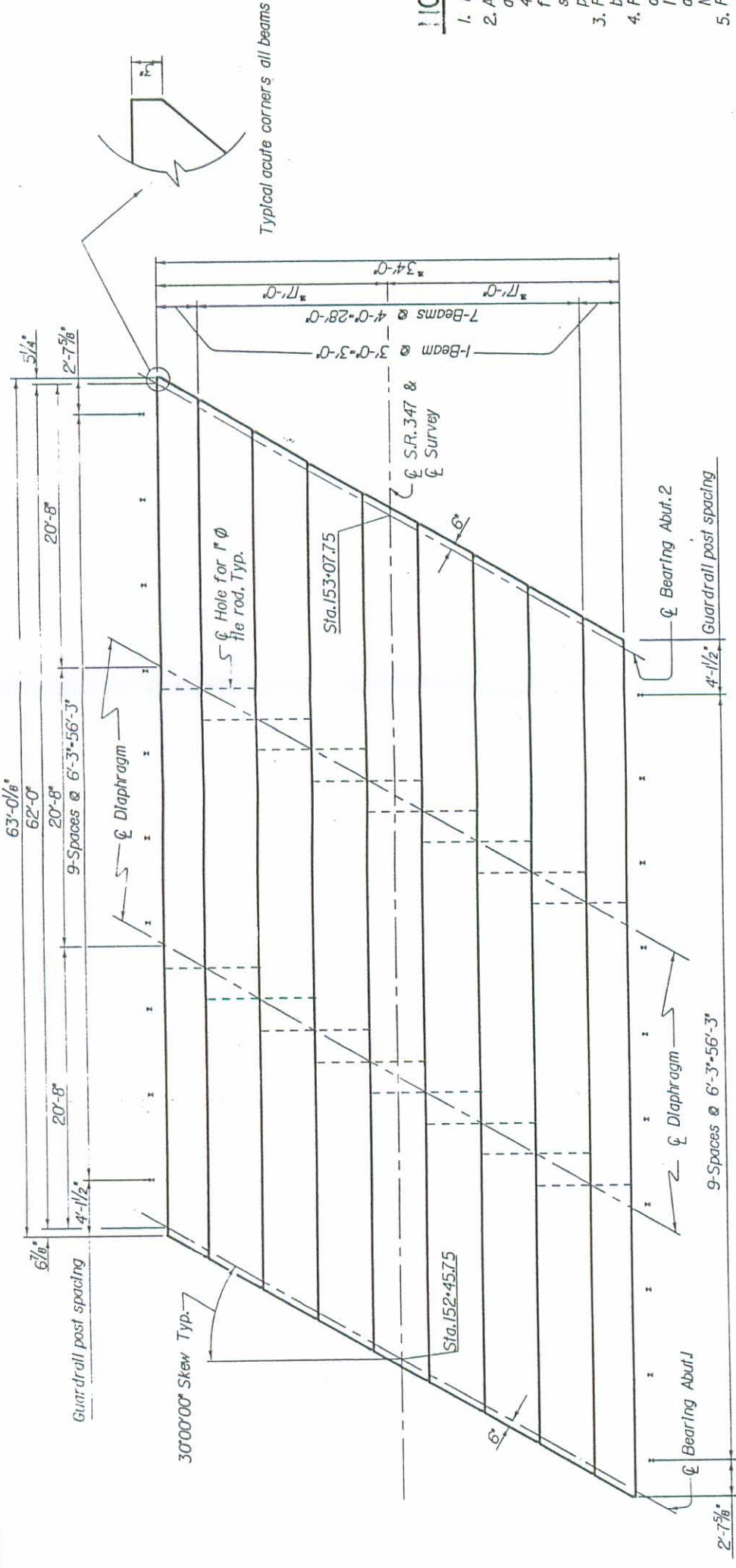
DEFLECTION & CAMBER

- Calculated camber at time of paving, including allowance for camber growth due to creep is 1 1/8".
- Calculated deflection due to weight of surface course is 1/16".
- Net final camber of beams is 1 7/8". This is 1/8" in excess of the amount required to place the top of beams parallel to profile grade. This excess amount shall be compensated for by thickening the 403 leveling course from 1/4" at center of spans to 2 1/8" at abutments.

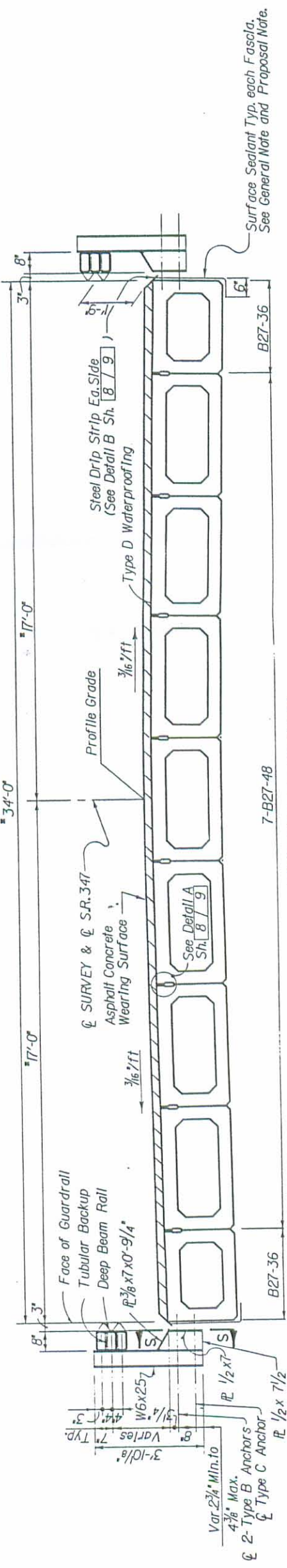
LOCKWOOD, JONES & BEALS
CONSULTING ENGINEERS
DAYTON, OHIO

SUPERSTRUCTURE
BRIDGE NO. LOG-347-0289
S.R. 347
OVER OTTER CREEK

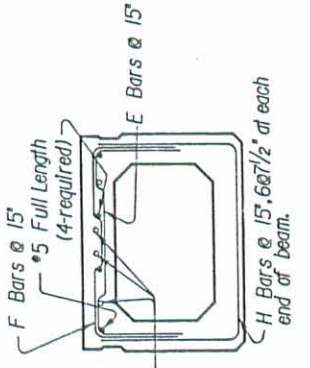
DESIGNED: DCF
CHECKED: DJJ
DRAWN: DCF
REVIEWED DATE: HDJ 1/83



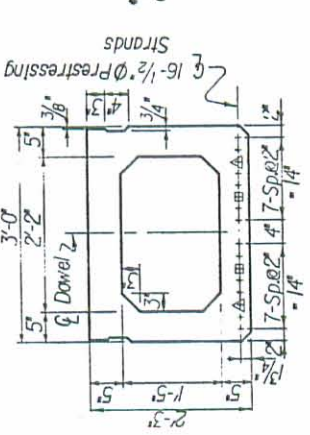
PLAN



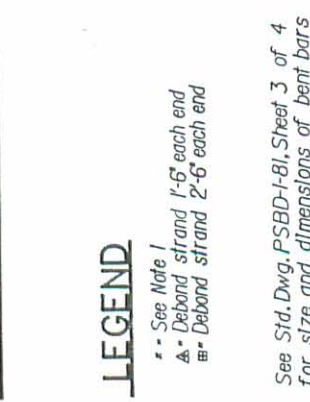
BRIDGE SECTION



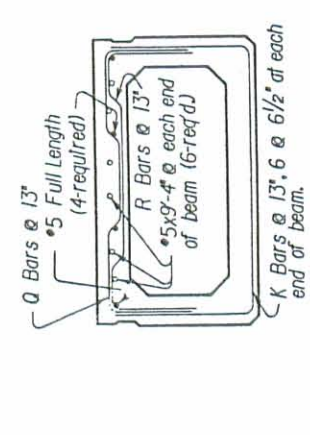
B27-36 BEAM SECTION
MILD REINFORCING



B27-36 BEAM SECTION
PRESTRESSING STRAND PATTERN



B27-48 BEAM SECTION
MILD REINFORCING



B27-48 BEAM SECTION
PRESTRESSING STRAND PATTERN

LEGEND

- See Note 1
 - ▴ Debond strand 1'-6" each end
 - ▾ Debond strand 2'-6" each end
- NOTE: See Std. Dwg. PSBD-1-81, Sheet 3 of 4 for size and dimensions of bent bars "E", "F", "H", "K", "Q" and "R". Fabricator's shop drawings shall show complete details of the reinforcement encased in the box beams.

