

GENERAL PLAN DWG. No. 79-6872
SHEET 1/1
REVISED-MARCH 23-1970
JANUARY-27-1970

GENERAL NOTES AND SPECIFICATIONS

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Page 6 Superstructure truss spans 3-4, Bearing Details between trusses and other Bearing Details Plates, etc.
Page 7 Superstructure truss span 4-5, and other Bearing Details. Plts, etc.
2. SPECIFICATIONS:
The latest Ohio State Highway Specifications and Supplements shall govern this project - except, Item 514.04, Blast Cleaning, shall not apply. (Structures are unpainted). The work shall be under the direction of the County Engineer.
3. LOADING:
This bridge is designed for AASHTO Loading HS-20-44
4. NEW SUPERSTRUCTURE:
The Steel Trusses and Steel Beam Bridges - are of the All-Welded Type. The welding shall be Class A for Highway Bridges.
5. STRUCTURAL STEEL:
All steel, including plates, shall meet the requirements of ASTM-A242 or A588 weathering type for unpainted structures. Cor-ten, Mayari R or equal.
6. BRIDGE DECK:
The floor shall be corrugated steel bridge flooring, 5/16" min. thickness and 3 x 9 corrugations and shall be installed as shown. In addition the plates shall be joined at the edges by lapping and the edges of adjacent plates shall be welded with a 3" weld midway between stringers. The steel plates and welds shall be of Spec. ASTM-A242 steel, Cor-ten, "Mayari R", or equal, - unpainted.
7. GUARD RAIL:
The Beam Type Universal rail, with splice bolts and terminals shall be of steel spec. ASTM-A242 as indicated. At expansion locations elongate splice bolt holes.
8. CONCRETE:
All substructure concrete, Item 511, shall be of dimensions indicated on plans and meet requirements of Class "C" Concrete Item 499.
9. REINFORCING:
Bars shall be placed as indicated and steel shall meet the minimum requirements of ASTM-A-15.
10. REMOVAL OF EXISTING SUPERSTRUCTURE Item 202
The existing superstructure shall become the property of the Contractor and removed from the site. In removing, care shall be exercised so that no damage will occur to the present Stone at top of the Piers.
11. REMOVAL OF PARTS OF EXISTING PIERS & ABUTMENTS:
Only those parts are to be removed to permit the new construction. Any damage must be repaired at the direction of the County Engineer.
12. ALIGNMENT AND ELEVATIONS:
At the direction of the Muskingum County Engineering Dept.
13. PAVEMENT:
A Tack Coat, Item 407, shall be applied, .15 gal. per sq. yd of bituminous material before the surface course is spread. Surface Pavement Bituminous Concrete, Item 404, as shown on drawings shall be placed to lines and grades indicated.
Pave approaches for a distance of 67 ft East of East Abutment and 47 ft. West of West Abutment. All work to conform to general Highway Practices and meet Elevations of Connecting Roads.
14. BACKFILLS:
A porous granular backfill shall be made at new Abutment Caps and Wings.
15. DIMENSIONS:
Shall be verified in the field. Minor variations in dimensions will be permitted, provided they do not alter the intent and scope of the plans - all subject to approval of the County Engineer.
16. MAINTENANCE OF TRAFFIC:
The bridge shall be closed by the County from Public use for the duration of the work.

17. QUANTITIES:
Except for those items expressed as Lump Sum, the unit prices will govern payment.
18. INSURANCE:
The Contractor shall furnish evidence to the Owner that, with respect to the operations he performs, he carries regular Contractors Public Liability Insurance providing for a limit of not less than \$100,000.00 for all damages arising out of bodily injuries, including accidental death, to one person, and subject to that limit for each person, a total limit of \$300,000.00 for all damages arising out of bodily injuries, including accidental death to two or more persons in any one occurrence, and regular Contractors Property Damage Liability Insurance providing for a limit of not less than \$100,000.00 for all damages arising out of injury to or destruction of property in any one accident, and, subject to that limit per accident, a total (or aggregate) limit of \$300,000.00 for all damage arising out of injury to or destruction of property during the policy period.
19. APPROVALS:
The successful bidder is to furnish shop details and any additional drawings required to obtain approval of the Contracts and Plans by the State Director of Highways and any other Governmental Agencies having Jurisdiction over the Muskingum River waterway and this Project.
20. ERRORS or OMISSIONS:
The plans and specifications are intended to be complete and any errors or omissions shall be corrected - the Contractor is liable for the Complete Project, ready for public use and acceptance by the County Engineer.
21. COMPLETION:
The Bidder shall specify in his bid the number of days required to perform this work.
22. UTILITIES:
All conflicting utilities to be ordered removed by Muskingum County.

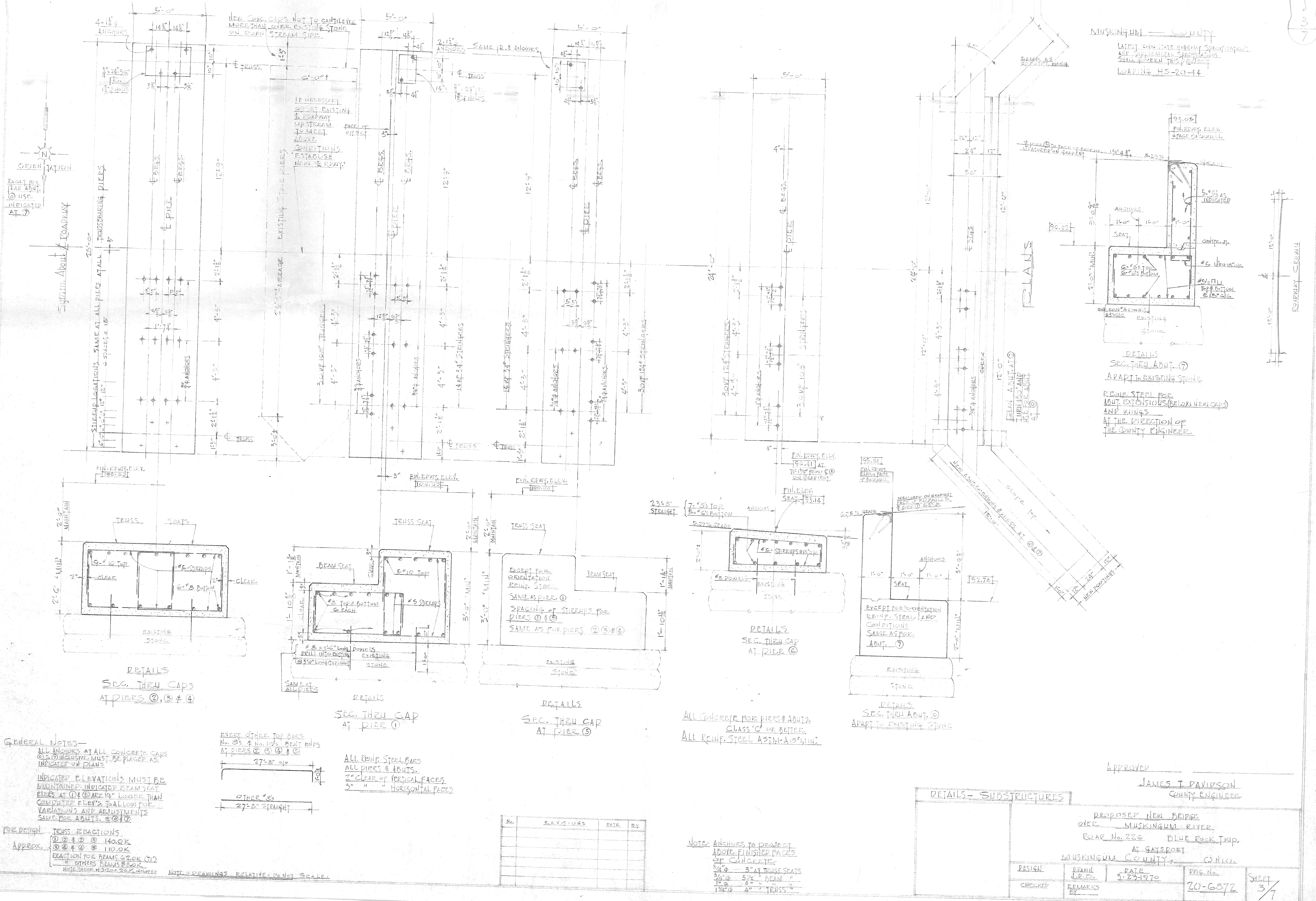
SUMMARY:

1. Removal of Existing Superstructure	LUMP SUM
2. Removal of Portions of Piers and Abutments	LUMP SUM
3. Reinforcing Steel	16,254 lbs.
4. Concrete for structures	130 cu. yds.
5. New Steel Superstructure 4 - Truss Spans 3 - Beam Spans All-Welded as per plans	LUMP SUM
6. Steel Floor Deck 5/16 Ga. 3 x 9 Corrugations	16,450 sq.ft.
7. Bituminous Wearing surface, including tack coat, for Bridge Deck	370 tons
8. Guard Rail including Terminals	1375 lin.ft.
9. Porous Backfill	30 cu. yds.
10. Approaches, Embankment	350 sq. yds.
11. Waterbound Macadam base for Approach, two 4" layers.	350 sq. yds.
12. Approaches, Bituminous Concrete surfacing 2 1/2" thickness, compacted	350 sq. yds.
13. Lights, signs and barricades	LUMP SUM
14. Insurance & Bonds	LUMP SUM

APPROVED

JAMES T. DAVIDSON
COUNTY ENGINEER

GENERAL NOTES		PROPOSED NEW BRIDGE OVER MUSKINGUM RIVER ROAD No. 226 BLUE ROCK TWP. AT GAYSPORT MUSKINGUM COUNTY, OHIO			
DESIGN	DRAWN A.B.E.	DATE 3-23-1970	PLAN No.	SHEET	
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GENERAL NOTES

ALL ANCHORS AT ALL CONCRETE CAPS
① ② ③ ④ ⑤ ⑥ MUST BE PLACED AS
INDICATED ON PLANS

INDICATED ELEVATIONS MUST BE
MAINTAINED. INDICATED BEAM SEAT
FLECS AT ① ③ ⑤ ARE 14" LONGER THAN
COMPUTED FLECS. TOLL OFF FOR
VARIATIONS AND ADJUSTMENTS
SAME FOR ADULTS. ③ ④ ⑤ ⑥

ENERGY OTHER TOP BARS
No. 2's & No. 10's. FEAT ENDS
AT PICKS ② ③ ④ ⑤ ⑥

27'-8" o/c

OTHER 1's
27'-8" SIGHT

FOR DESIGN

APPROX.

TRUSS REACTIONS

① ② ③ ④ ⑤ 140.0K
③ ④ ⑤ ⑥ 110.0K

REACTION FOR BEAMS 220K (710)
" OTHERS BEAMS 220K

NOTE: SPREAD 13'-0" = 22K INCLUDED

NOTE: DRAWINGS RELATIVE - DO NOT SCALE

ALL CONCRETE FOR PIERS & ABUTTS.
CLASS 'C' OR BETTER.
ALL REINF. STEEL ASTM-A15 'MIN'.

APPROVED _____
JAMES T. DAVIDSON
COUNTY ENGINEER

PROPOSED NEW BRIDGE
OVER MUSKINGUM RIVER
ROAD No. 226 BLUE ROCK TWP.
AT GAYSPORT
MUSKINGUM COUNTY, OHIO.

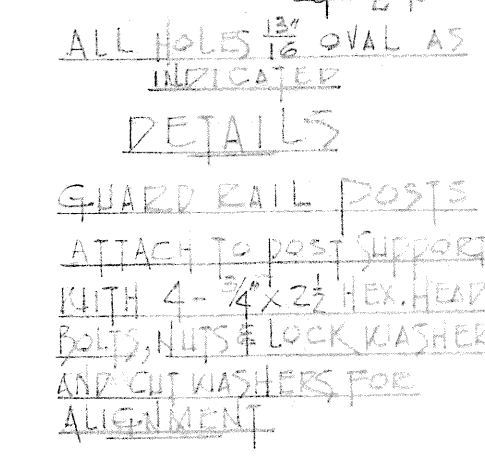
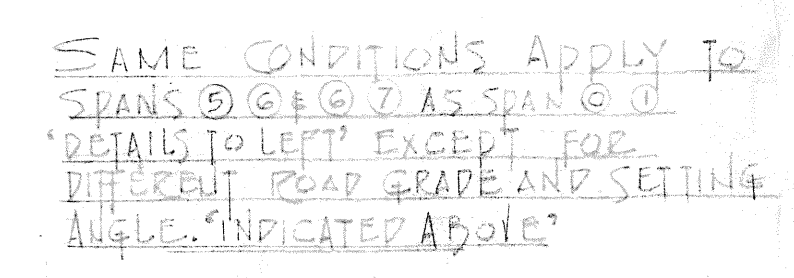
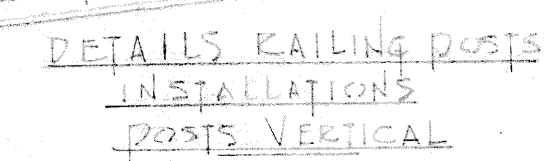
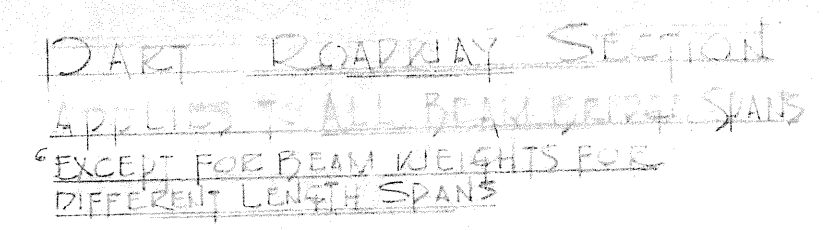
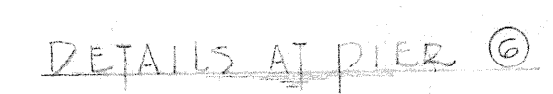
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NOTE: ANCHORS TO PROJECT
ABOVE FINISHED FACES
OF CONCRETE

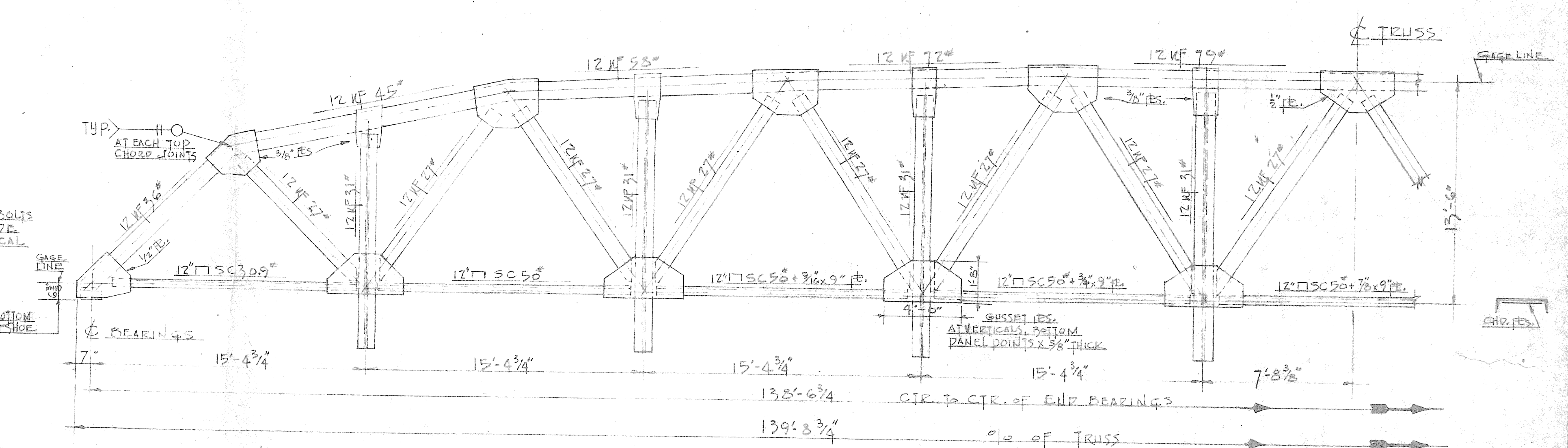
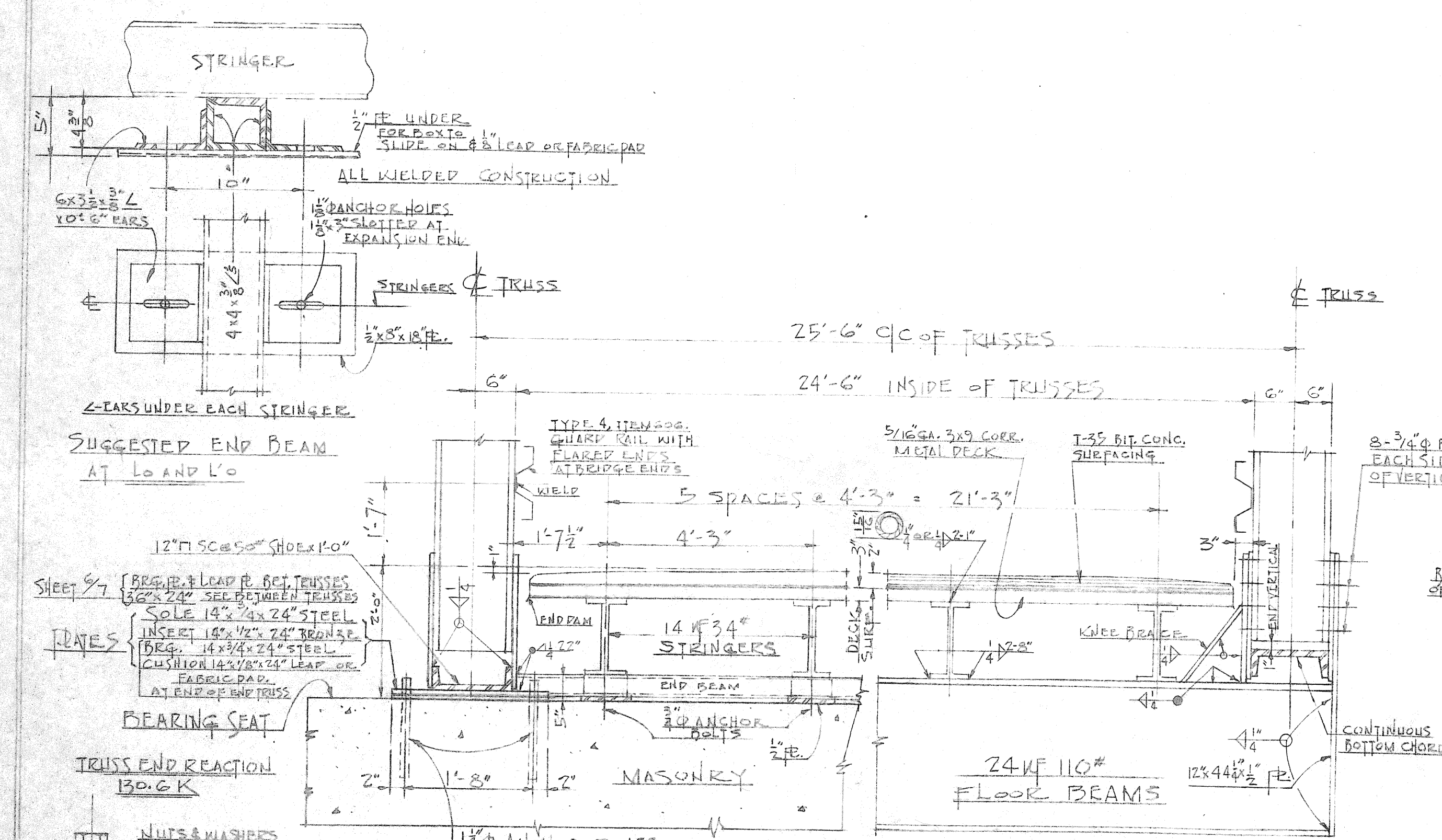
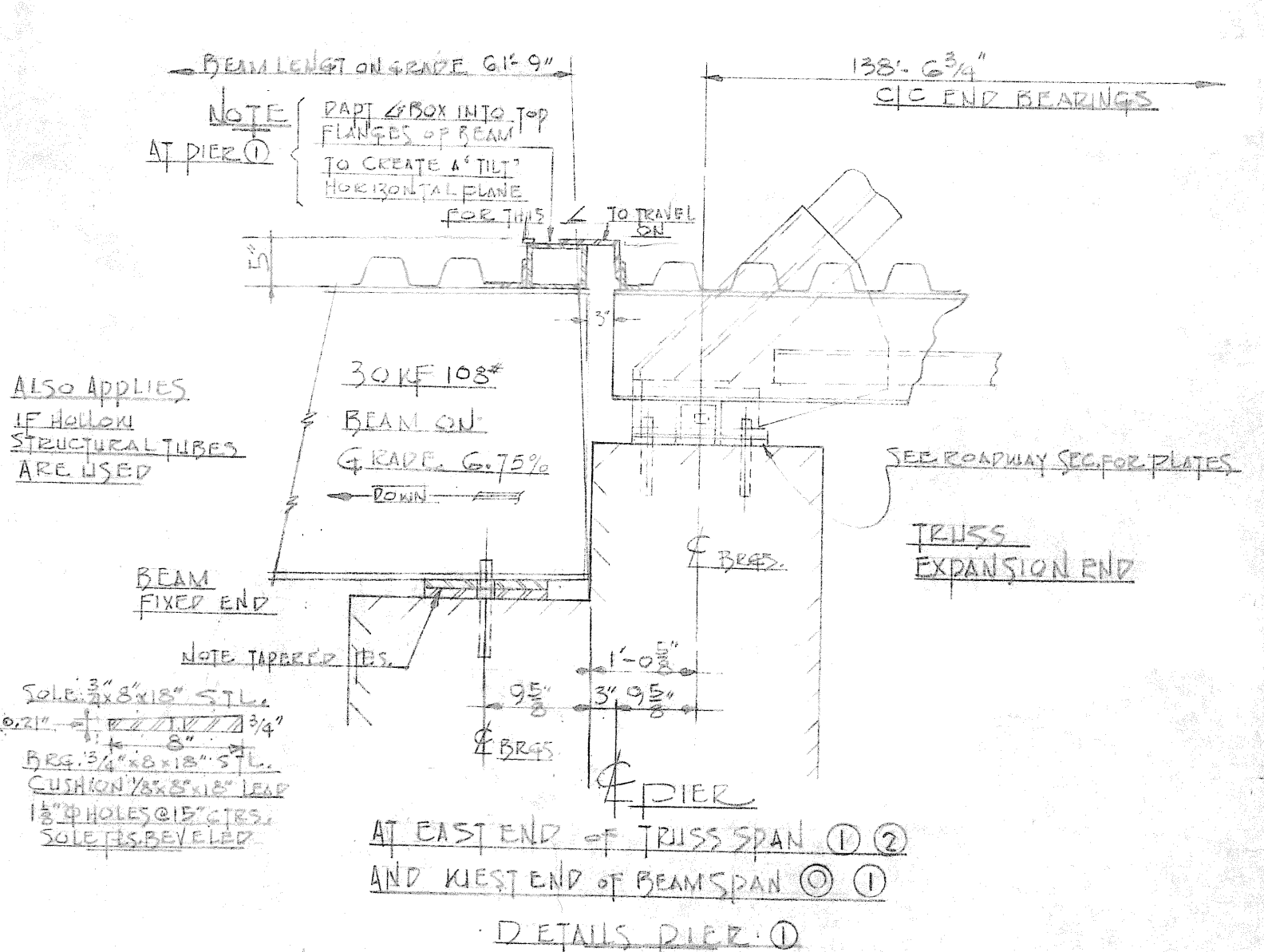
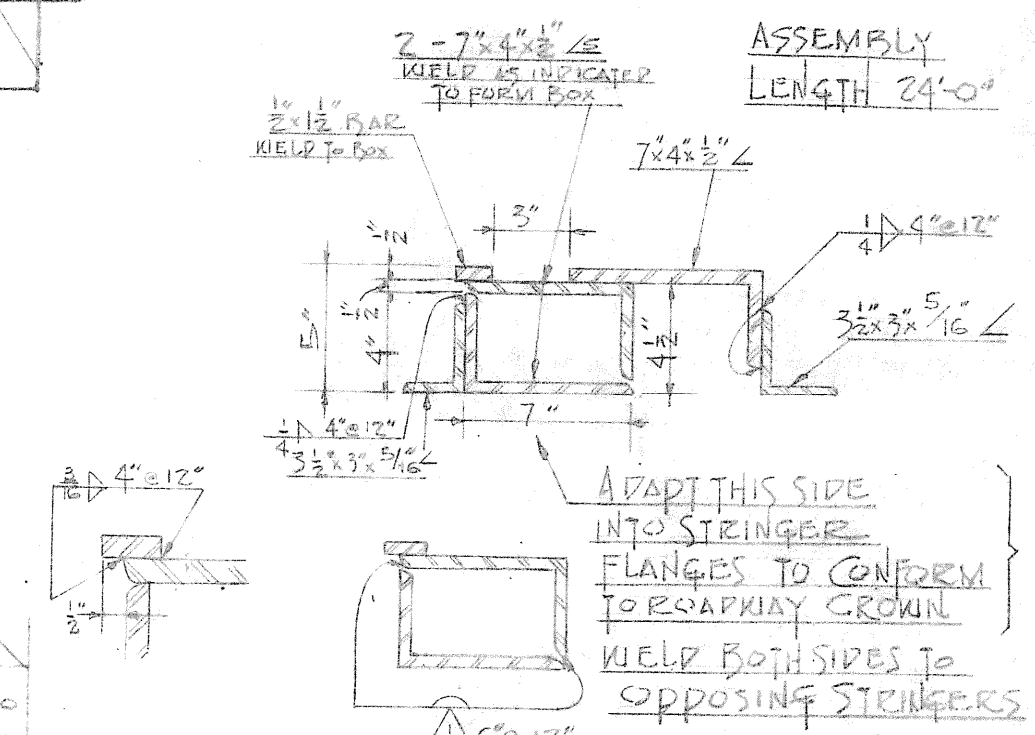
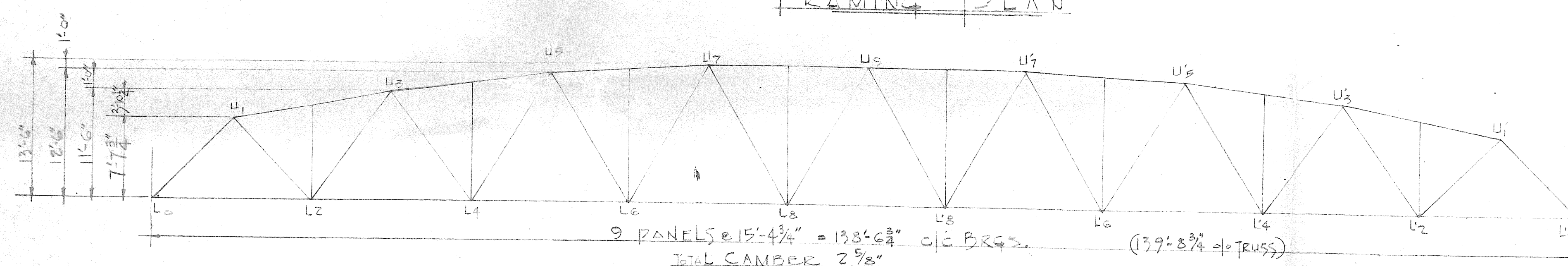
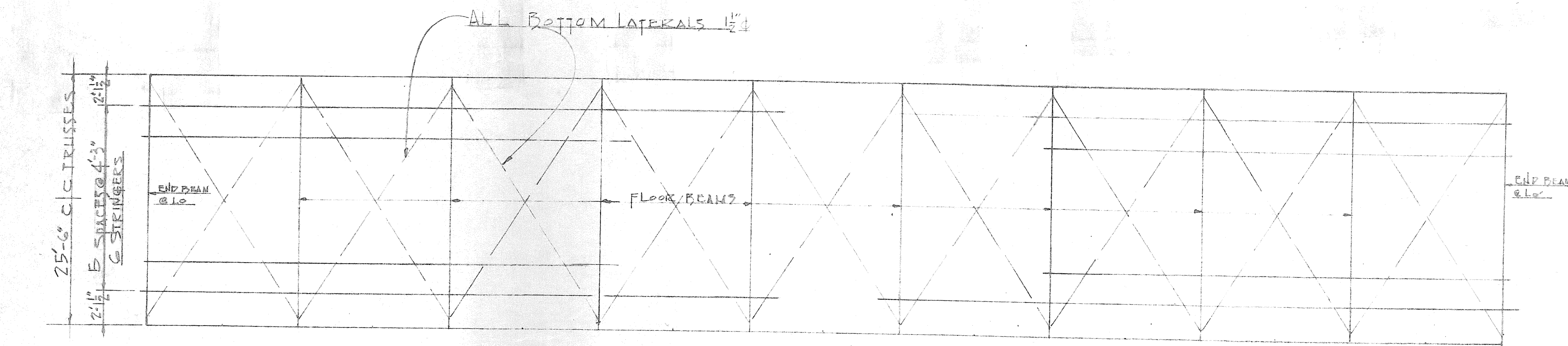
3/4" ϕ	3" AT TRUSS SEATS
3/4" ϕ	3/2" BEAM "
1" ϕ	4" " "
1 1/4" ϕ	4" " TRUSS "

APPROVED _____
JAMES T. DAVIDSON
COUNTY ENGINEER

NO.	REVISIONS	DATE	BY
①	CELEST MOBILE-SHIP RAIL PROVISION AT DEAN DELGADO	4-30-70	JMB



THE LATEST OHIO STATE DEPT. OF HIGHWAYS SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, SHALL GOVERN THIS PROJECT
LOADING HS-20-44
ALL WELDED STEEL TRUSSES
ALL WELDING CLASS 'A' FOR HIGHWAY BRIDGES



NOTE: REQUIRED, 2-BRIDGE SPANS
FROM GEN. PLAN SPANS ①-② AND ②-③ ARE SAME LENGTH (4-TRUSSES REQUIRED)

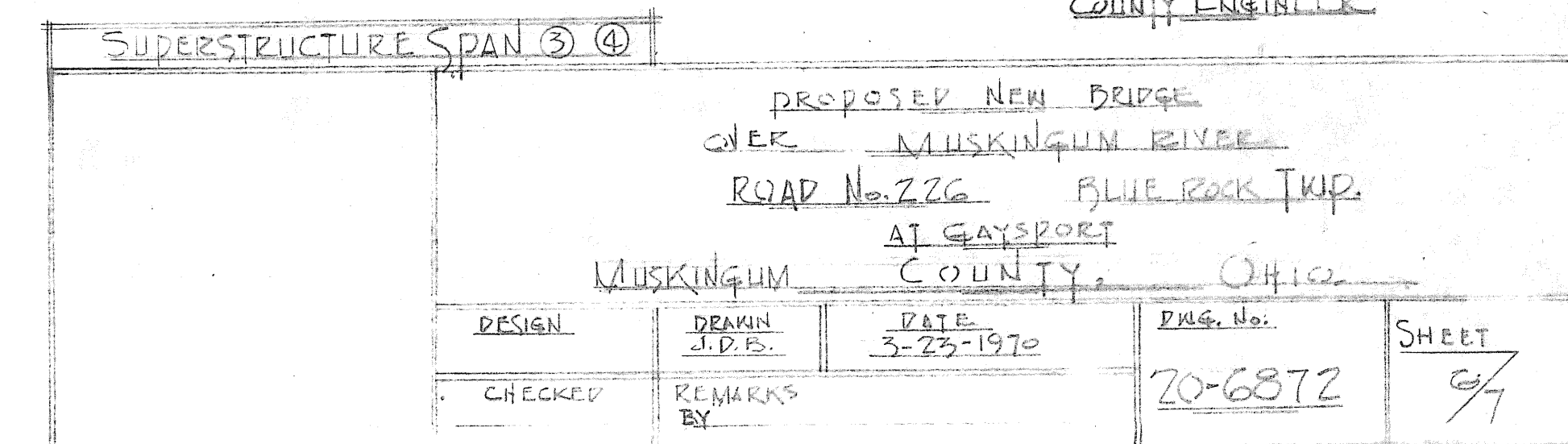
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JAMES T. DAVIDSON
COUNTY ENGINEER

SUPERSTRUCTURE SPANS ① ② ③				
PROPOSED NEW BRIDGE OVER MUSKINGUM RIVER				
ROAD No. 226 BLUE ROCK TWP. AT GAYSDORT				
MUSKINGUM - COUNTY, OHIO				
DESIGN	DRAWN	DATE	P.S. No.	SHEET
CHECKED	REMARKS	BY	70-6872	5/7

NO.	REVISIONS	DATE	BY

NOTE: DRAWINGS RELATIVE POINT SCALE

ALL WELDING CLASS 'A' FOR HIGHWAY BRIDGES

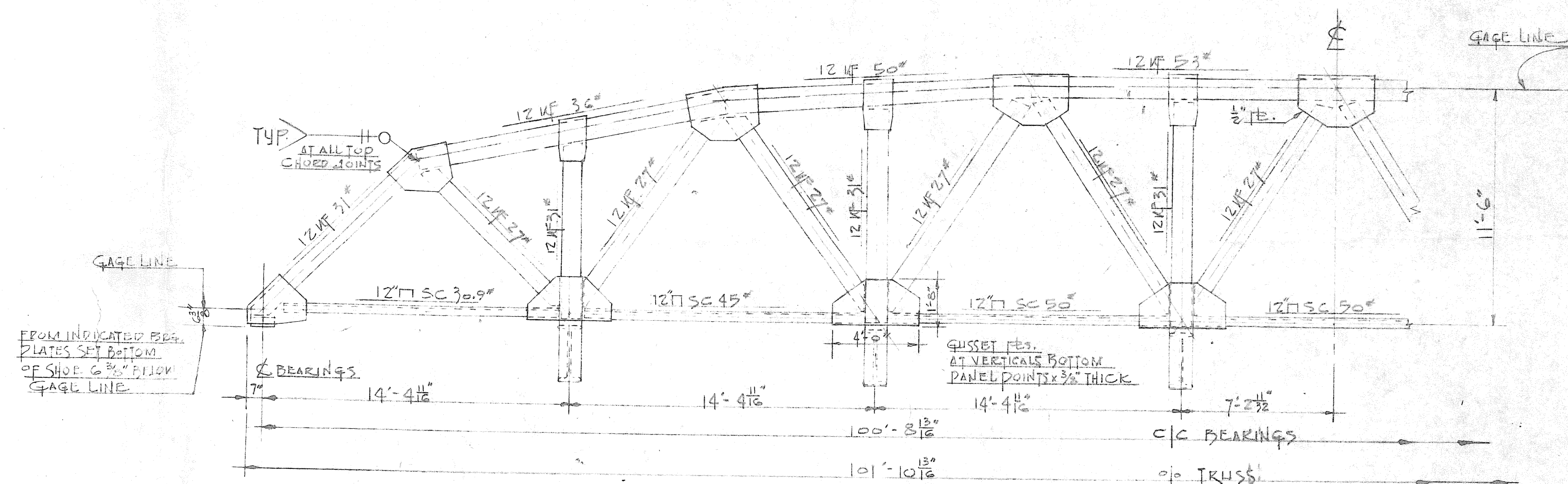
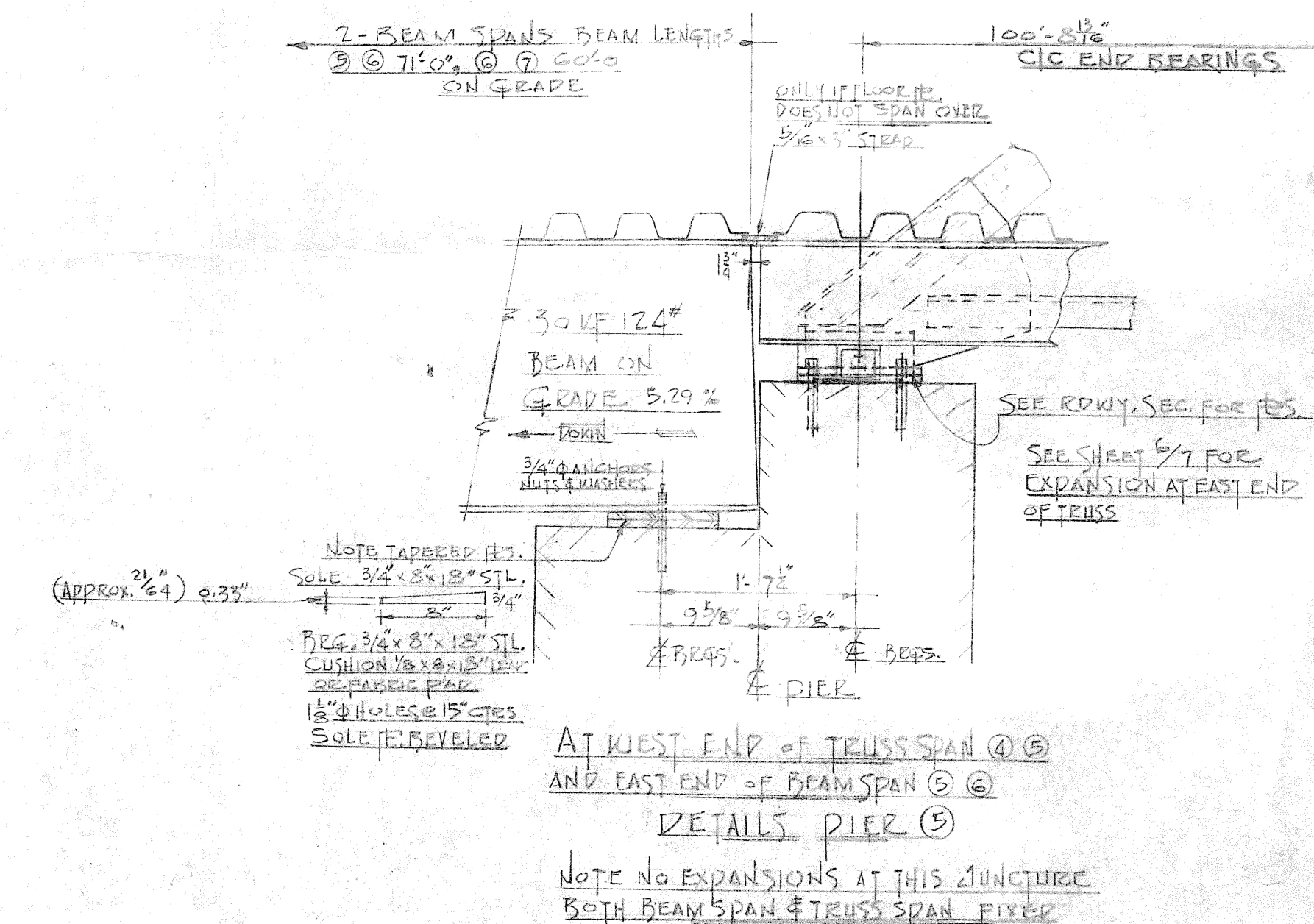
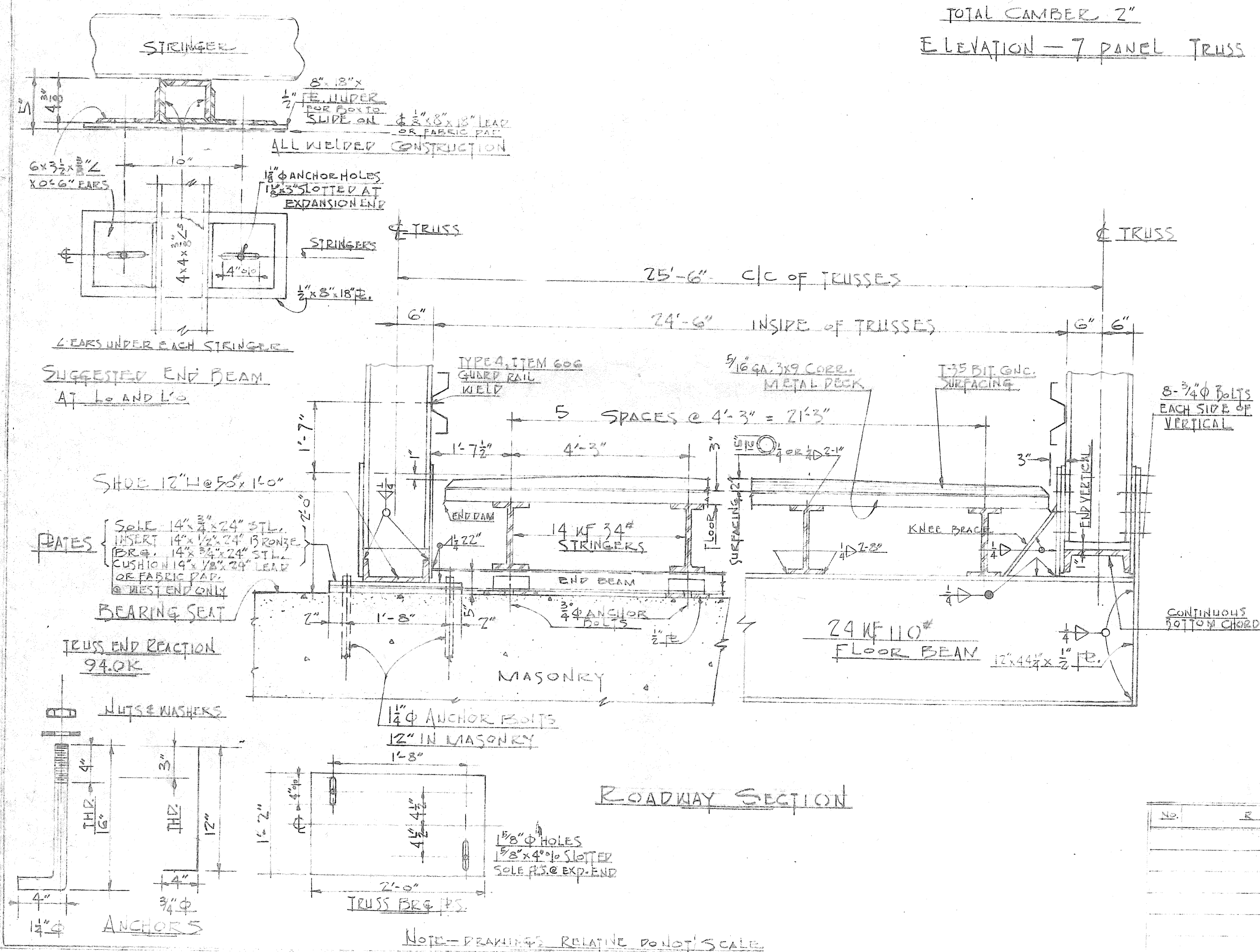
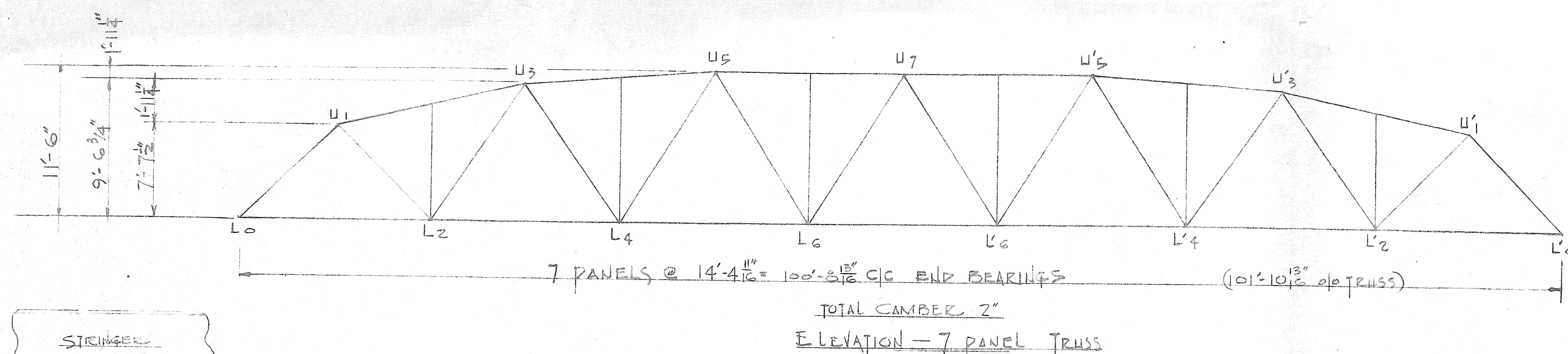
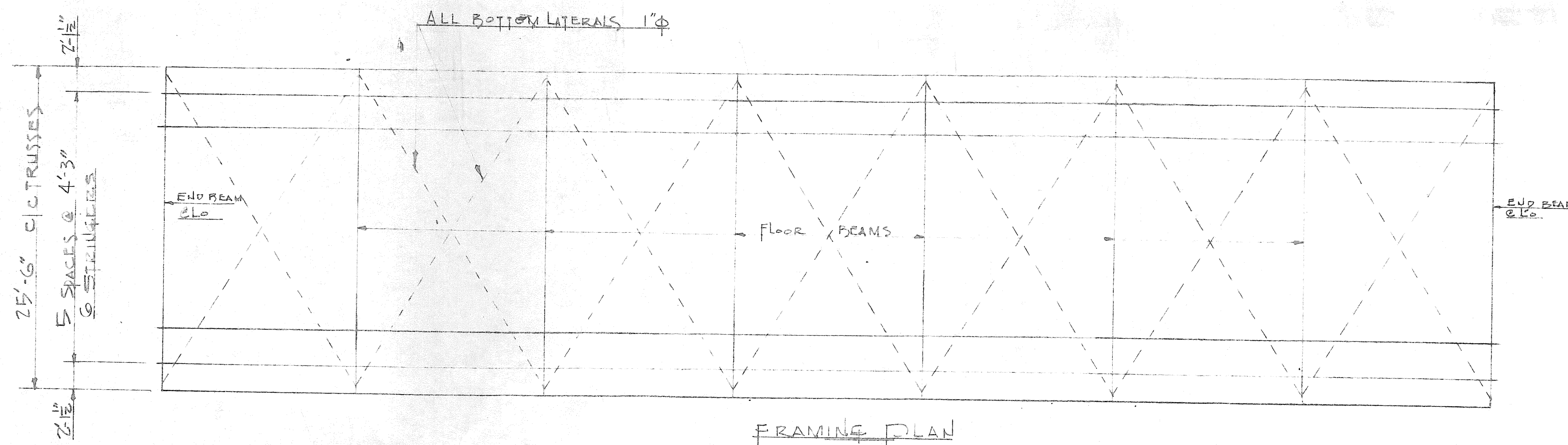


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LOADING HS-20-44

ALL WELDED STEEL TRUSSES

ALL WELDING CLASS 'A' FOR HIGHWAY BRIDGES



NOTE—
ALL GUSSET PLATES TO BE OF
SUFFICIENT SIZE TO CONTAIN WELD
TO RESIST STRESSES MIN. THICKNESS 3/8"

NOTE—
REQUIRED 1-BRIDGE SPAN
FROM GEN. PLAN SPAN (4) (5)
(2-TRUSSES REQUIRED)

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JAMES T. DAVIDSON
COUNTY ENGINEER

SUPERSTRUCTURE SPAN (4) (5)

PROPOSED NEW BRIDGE OVER MUSKINGUM RIVER ROAD No. 226 BLUE ROCK TWP. AT GAYSPOINT MUSKINGUM COUNTY, OHIO			
DESIGN	DRAWN I.D.B.	DATE 5-23-1970	PLG. No. 20-6872
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