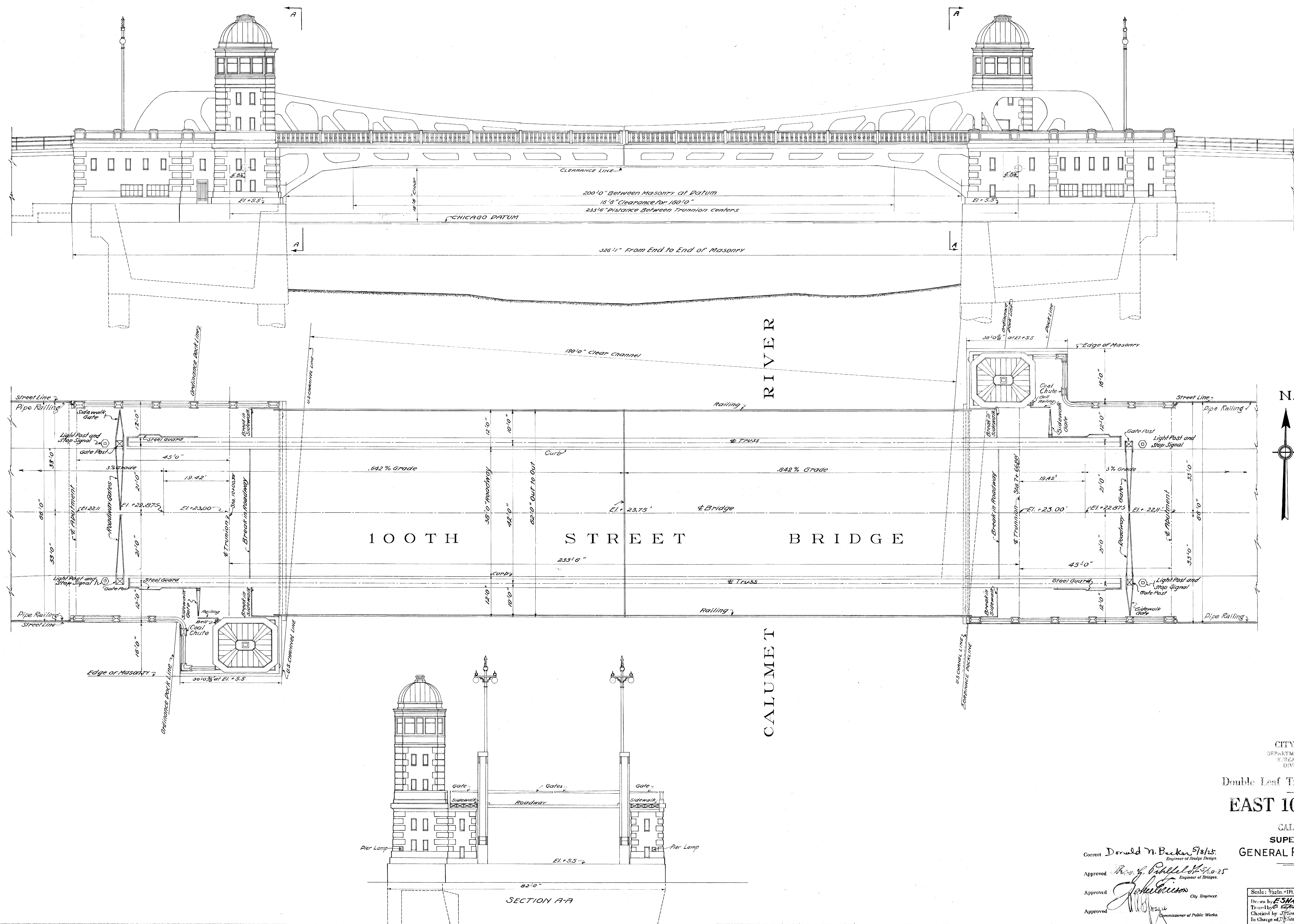


REVISIONS
Location of gate
and light & stop
pole. May 14, 1925



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge
AT
EAST 100TH STREET
OVER
CALUMET RIVER
SUPERSTRUCTURE
GENERAL PLAN & ELEVATION

Corrected Donald N. Becker 5/18/25
Engineer of Bridge Design

Approved by J. J. Sullivan 5/20/25
City Engineer

Approved by John J. Sullivan
Commissioner of Public Works

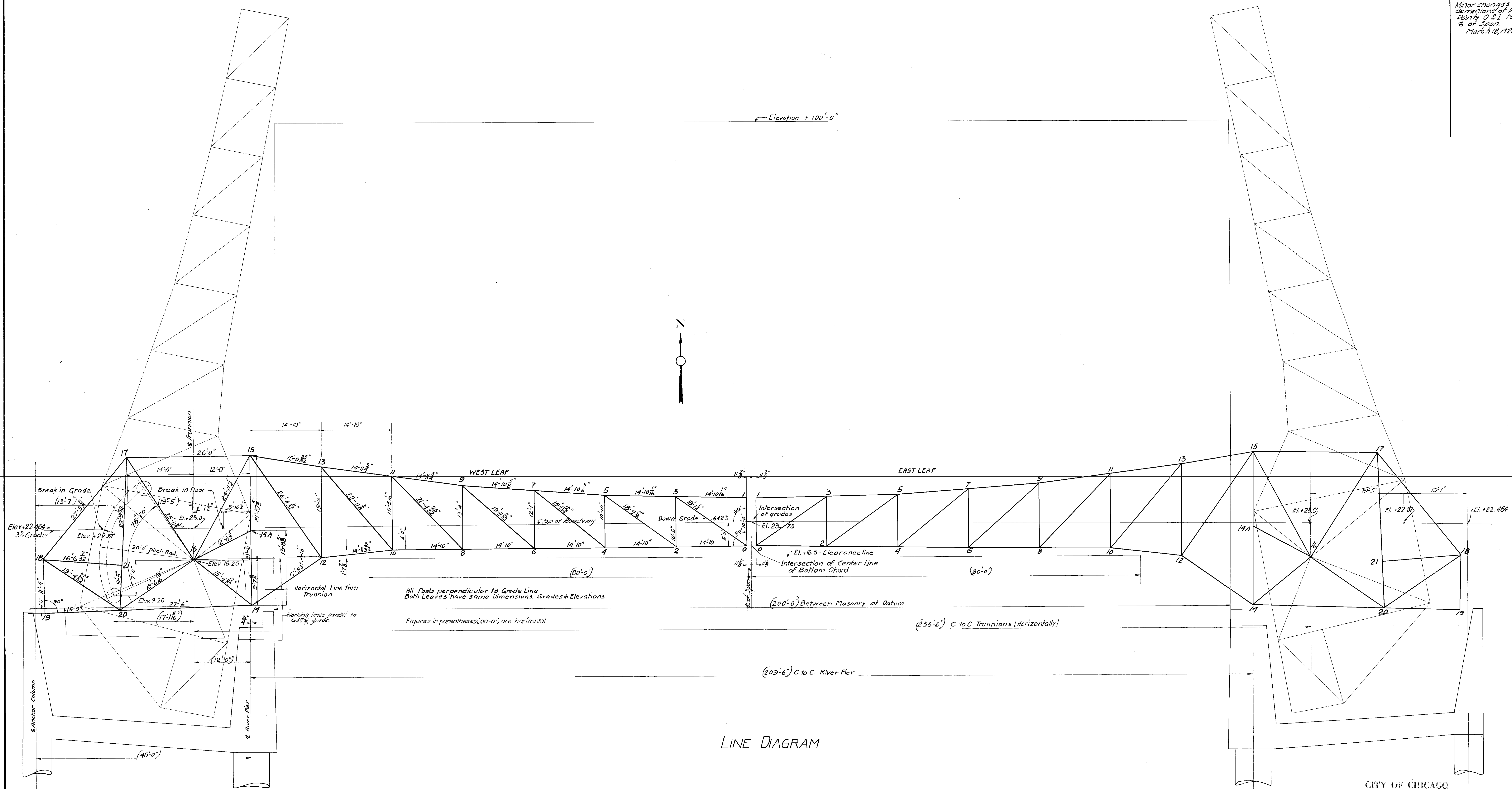
Scale: 1/2" = 1'-0"
February, 1925
Drawn by E. J. Smith
Checked by J. J. Sullivan
In Charge of Design

DRWG. No. 10201
FILE No. 11-11F-20

HOUSE 1 OF 38
SUP 1 OF 38

1660420286

REVISIONS
Minor changes in
dimensions of Pond
Point 0.61 to
2 of 2200
March 18, 1926



LINE DIAGRAM

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge
AT
EAST 100th STREET
OVER
CALUMET RIVER
SUPERSTRUCTURE
MOVABLE PART
LINE DIAGRAM
OF TRUSS

Corrected *Donald N. Backus* 3/1/25
Engineer of Bridge Design
Approved *Wm. J. Ruppel*
City Engineer
Approved *J. H. ...*
City Engineer
Approved *...*
City Engineer

Scale: 1/4"=1'-0"
February, 1925
Drawn by *Krauter*
Traced by *...*
Checked by *...*
In Charge of Engineering
DRWG. No. 10202
FILE No. 11-11-F-21

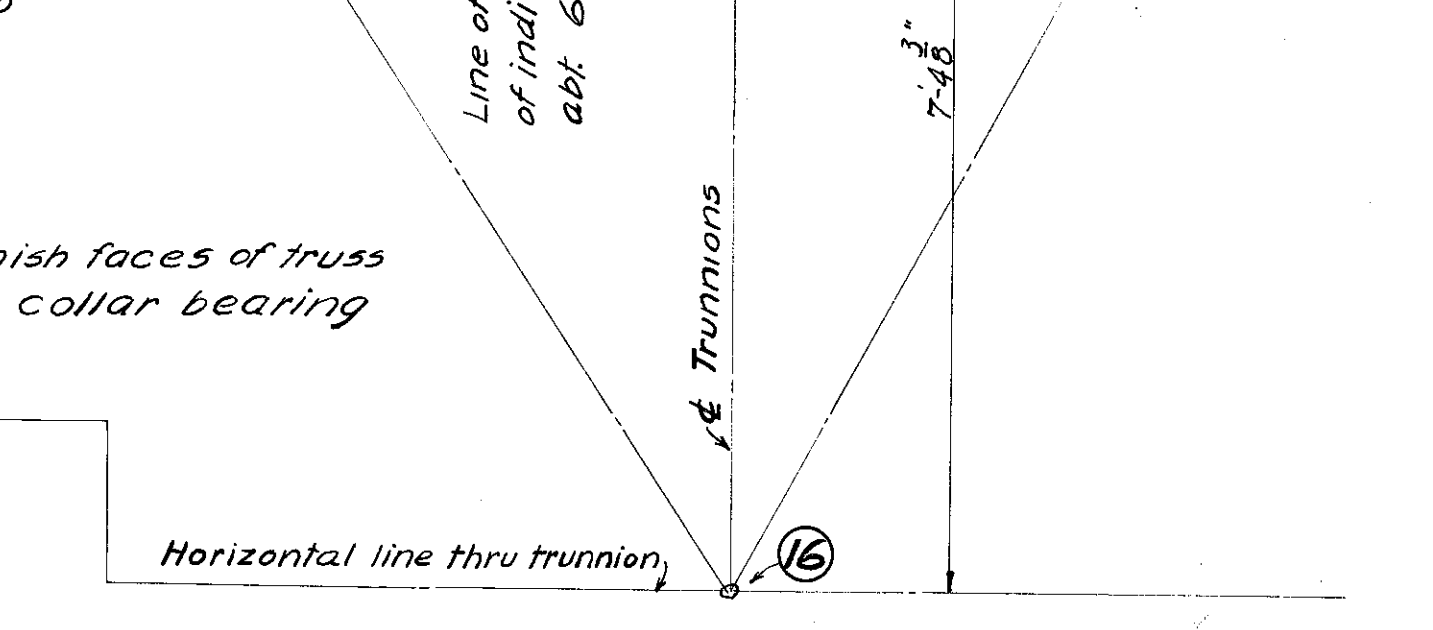
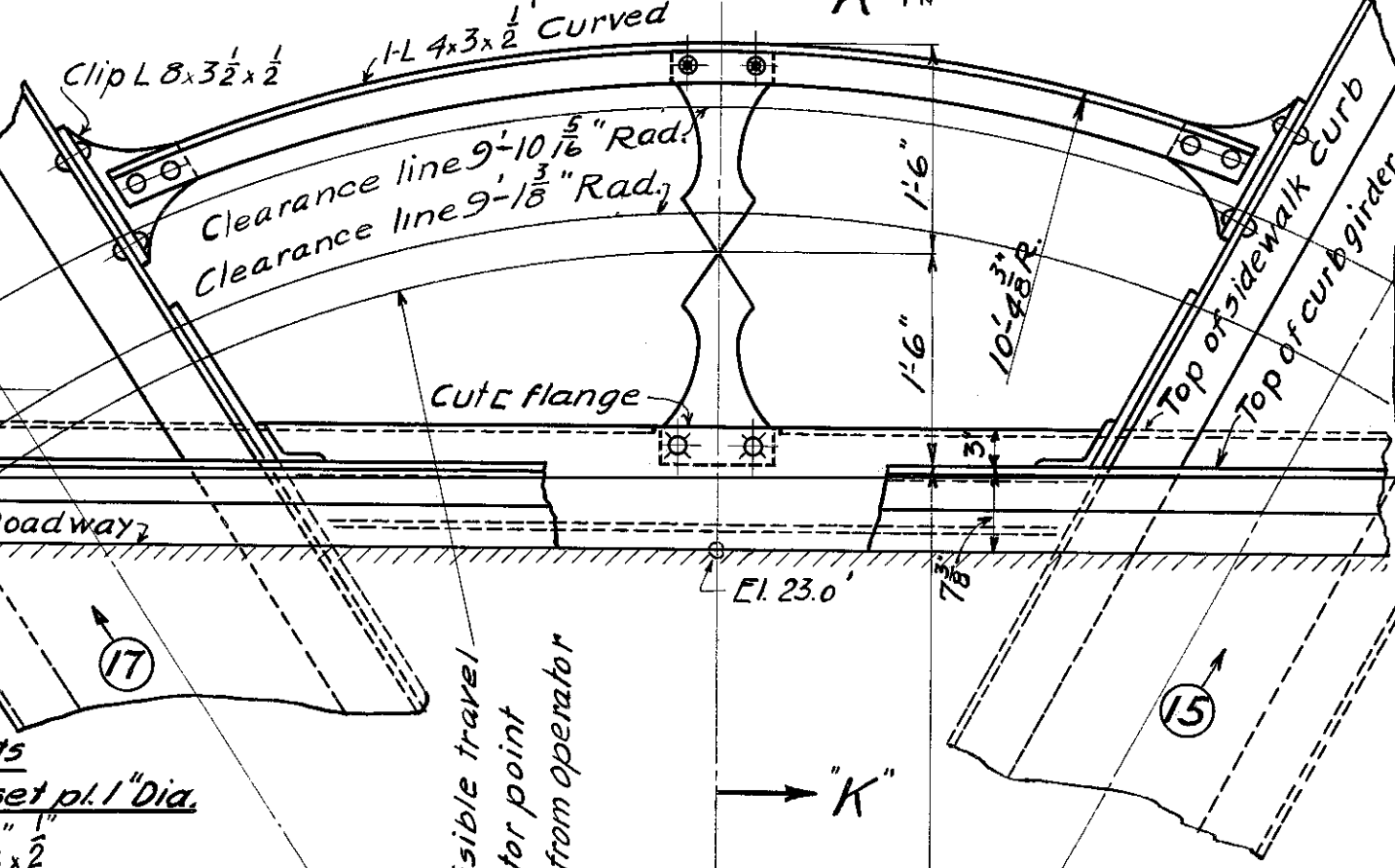
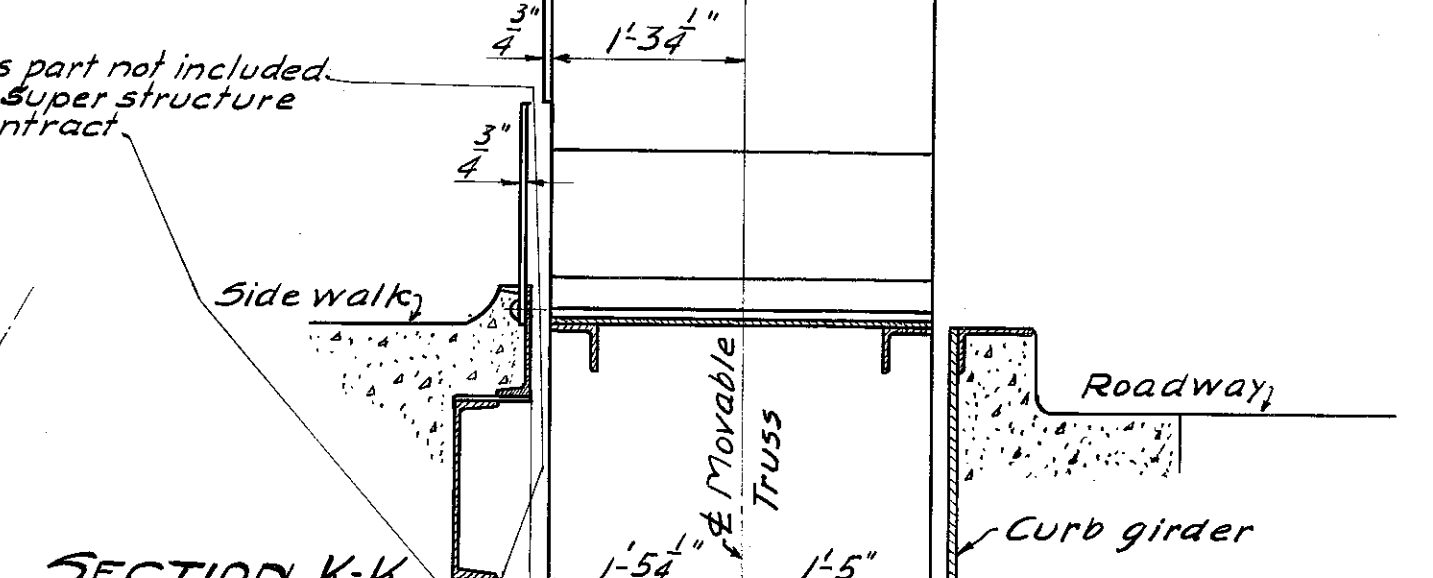
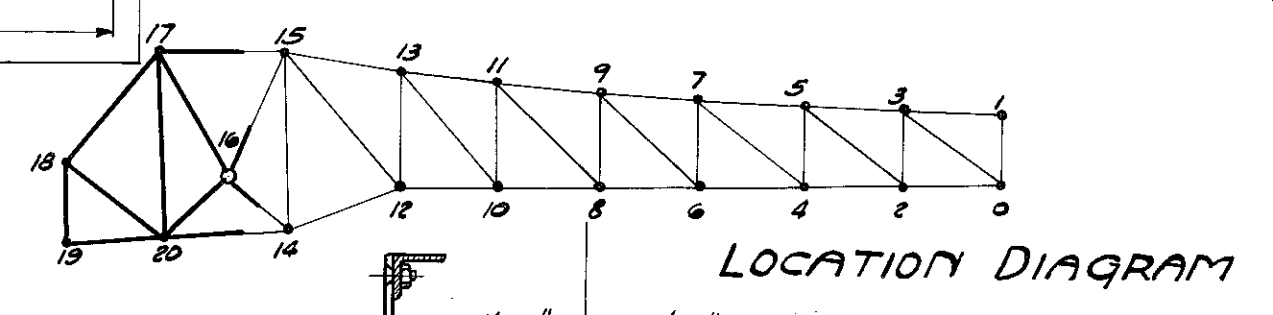
SUP 2 OF 38

1660420287

32 Per 419 27441

REVISIONS
Aug. 3, 1925
Bot. Chd. Plate from
8" to 3" Top Chd.
double line made
single.
Location of
Slot in Top
chord 17-15
for centerlock
indicator
pointer.
March 18, 1926

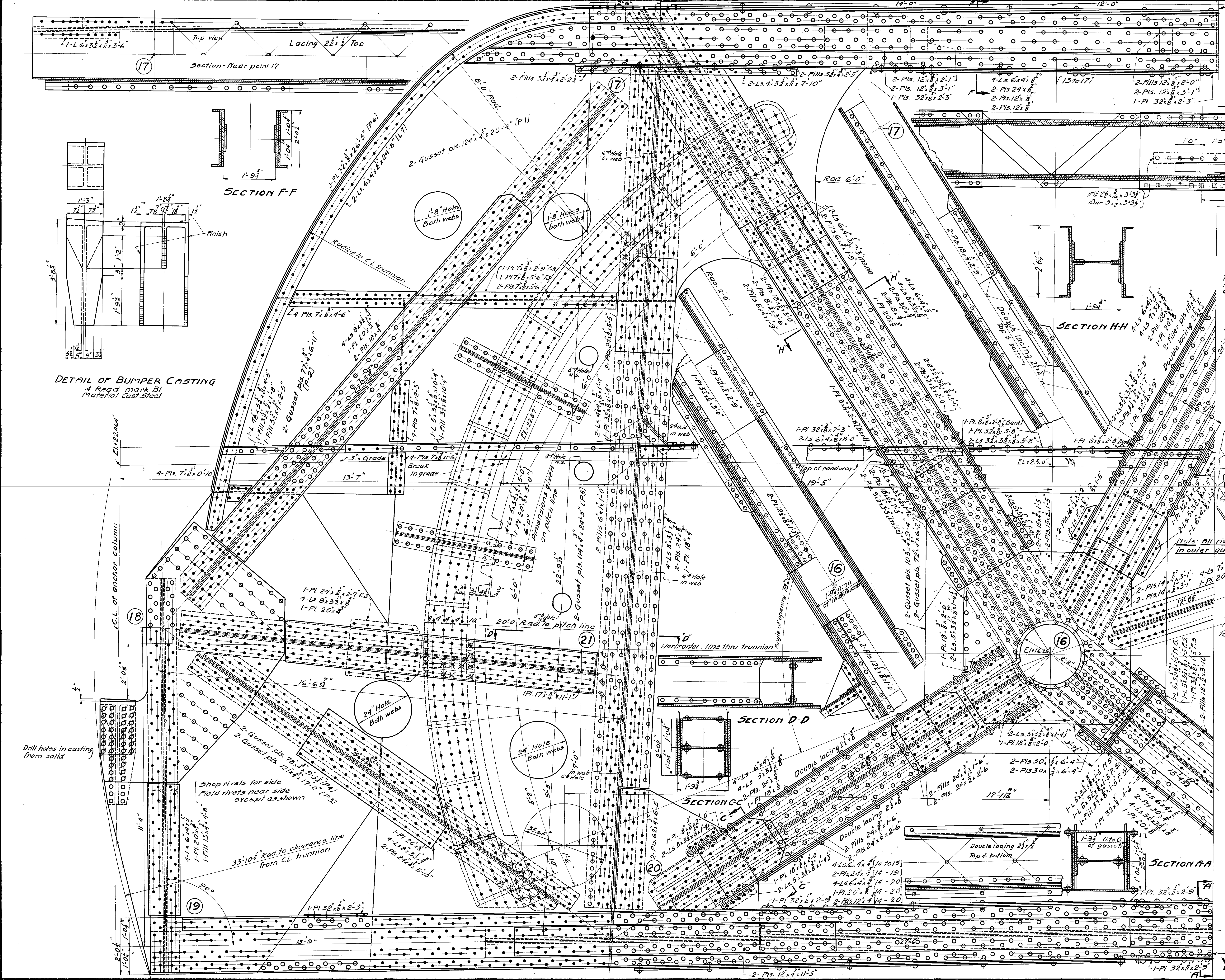
GENERAL NOTES:
Material: Structural Steel
Bolts: 3" Except as marked
Open Holes: 1/8" Except as marked
For quality of material, punching
marking and general requirements
of fabrication see specifications.

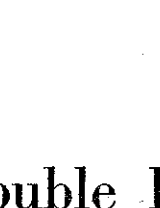
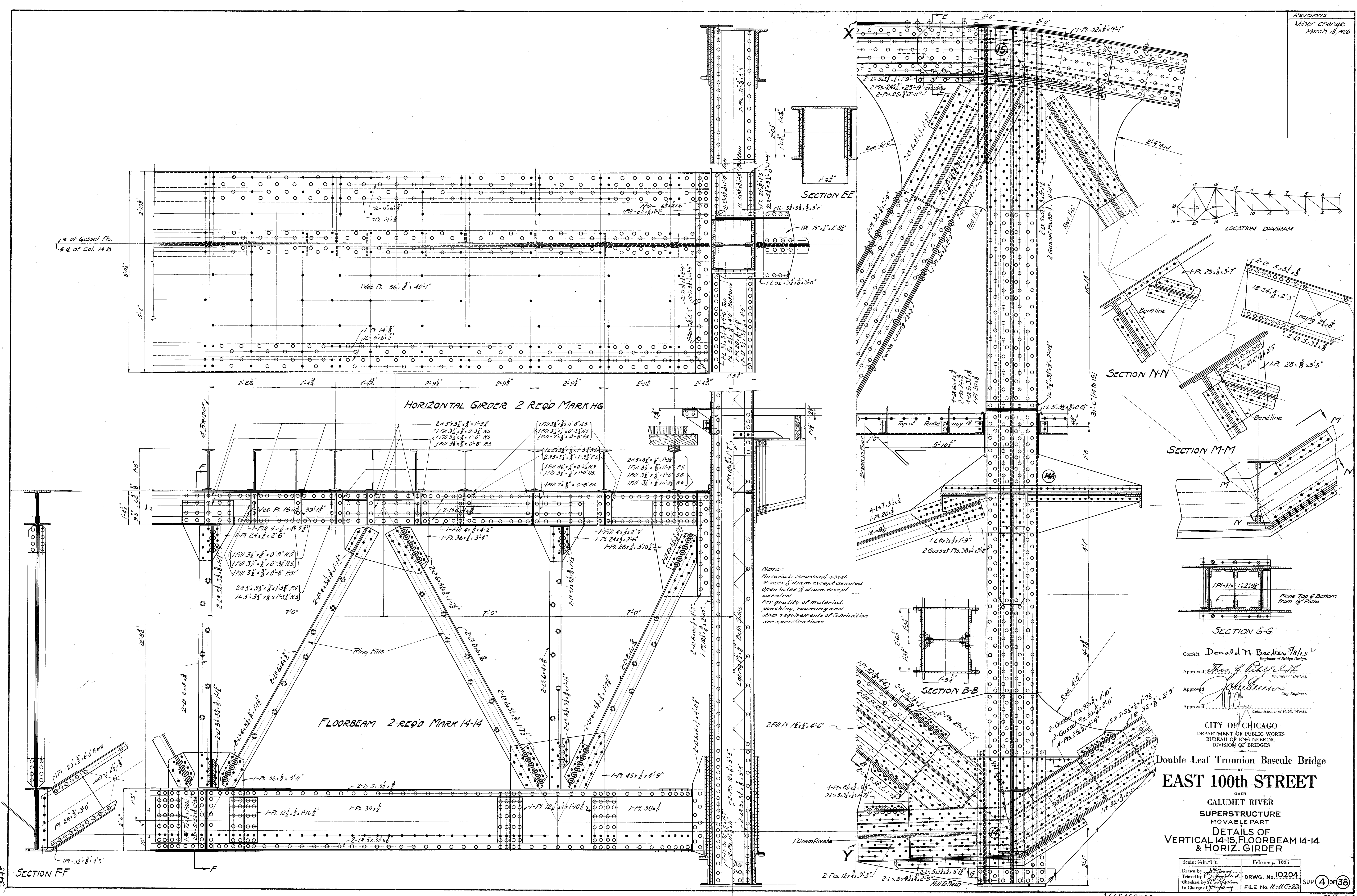


Correct **Donald N. Becker** 5/8/25
Engineer of Bridge Design.
Approved **John J. ...**
Engineer of Bridges.
Approved **John J. ...**
City Engineer.
Approved **John J. ...**
Commissioner of Public Works.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES
Double Leaf Trunnion Bascule Bridge
AT
EAST 100th STREET
OVER
CALUMET RIVER
SUPERSTRUCTURE
MOVABLE PART
DETAILS OF
COUNTERWEIGHT ARM
OF TRUSS

Scale: 3/4" = 1'-0"
February, 1925
Drawn by **John J. ...**
Trussed by **John J. ...**
Checked by **John J. ...**
In Charge of **John J. ...**
DWG. No. 10203
FILE No. 11-11-F-22
SUP (3) OF (38)





CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge

AT

EAST 100th STREET

OVER

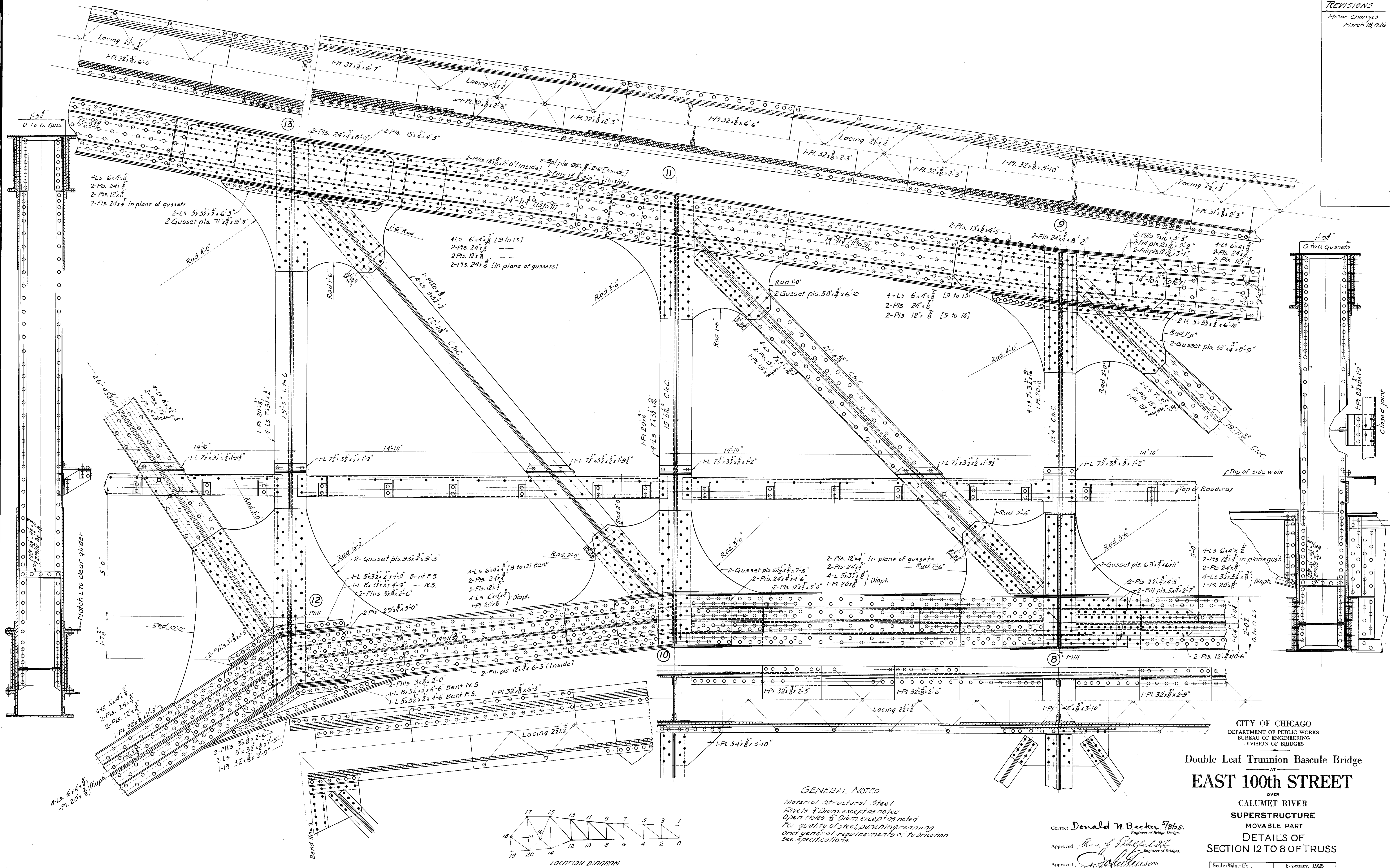
CALUMET RIVER

SUPERSTRUCTURE
MOVABLE PART

DETAILS OF
VERTICAL 14-15. FLOOR BEAM 14-14
& HORIZ. GIRDER

Scale: $\frac{3}{4}$ in. = 1 ft.	February, 1925
Drawn by: <i>J. J. Jones</i>	DRWG. No. 10204 FILE No. 11-11F-23
Traced by: <i>W. J. Jones</i>	
Checked by: <i>W. J. Jones</i>	
In Charge of: <i>J. J. Jones</i>	SUP 4 OF 38

REVISIONS
Minor Changes
March 18, 1925



GENERAL NOTES
Material: Structural Steel
Bolts: 3/4" Diam except as noted
Open Holes: 1/2" Diam except as noted
For quality of steel, punching, reaming
and general requirements of fabrication
see specifications.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge
AT
EAST 100th STREET
OVER
CALUMET RIVER

SUPERSTRUCTURE
MOVABLE PART
DETAILS OF
SECTION 12 TO 8 OF TRUSS

Corrected **Donald N. Becker** 5/8/25
Engineer of Bridge Design.

Approved *[Signature]*
Engineer of Bridges.

Approved *[Signature]*
City Engineer.

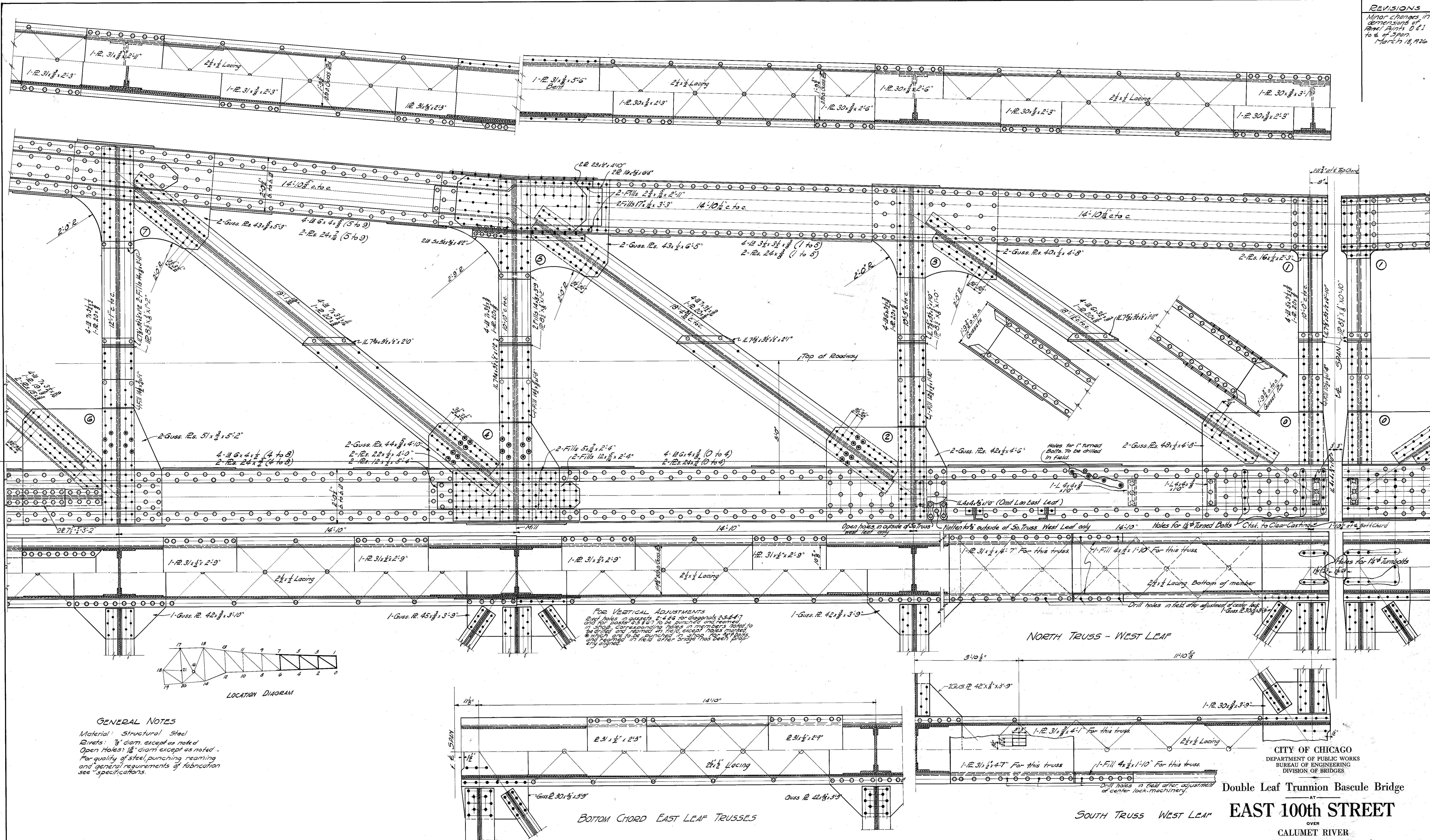
Approved *[Signature]*
Commissioner of Public Works.

Scale: 3/8" = 1'-0"	January, 1925
Drawn by <i>[Signature]</i>	PRWG. No. 10205
Traced by <i>[Signature]</i>	FILE No. 11-11-F-24
Checked by <i>[Signature]</i>	
In Charge of <i>[Signature]</i>	

52 Per 405

660420290

REVISIONS
Minor changes in
dimensions of
Panel Points D & I
to $\pm$ of span.
March 18, 1926



GENERAL NOTES

Material: Structural Steel
Rivets: $\frac{7}{8}$ " diam. except as noted
Open Holes: $\frac{1}{2}$ " diam except as noted.
For quality of steel, punching reaming
and general requirements of fabrication
see specifications.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge
AT
EAST 100th STREET

Correct Donald N. Becker 5/8/25
Engineer of Bridge Design.

Approved Fred. G. Rangel
Engineer of Bridges.

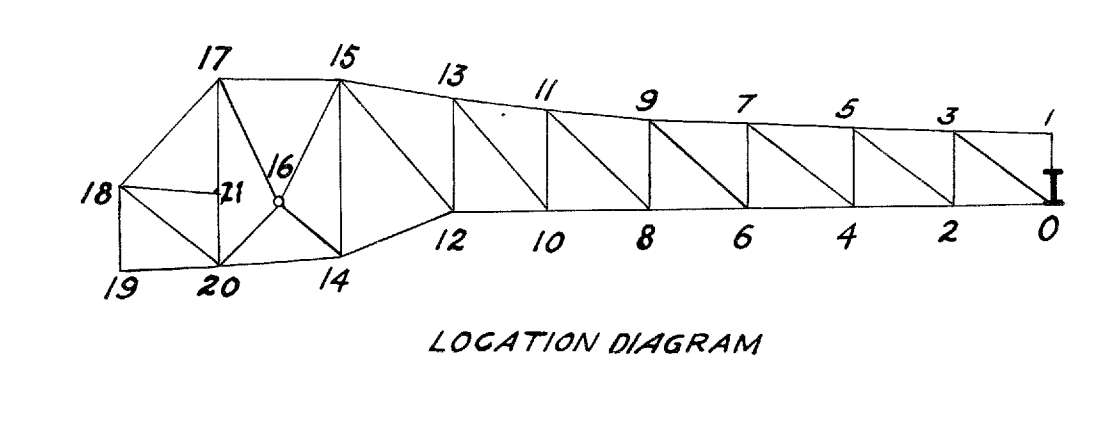
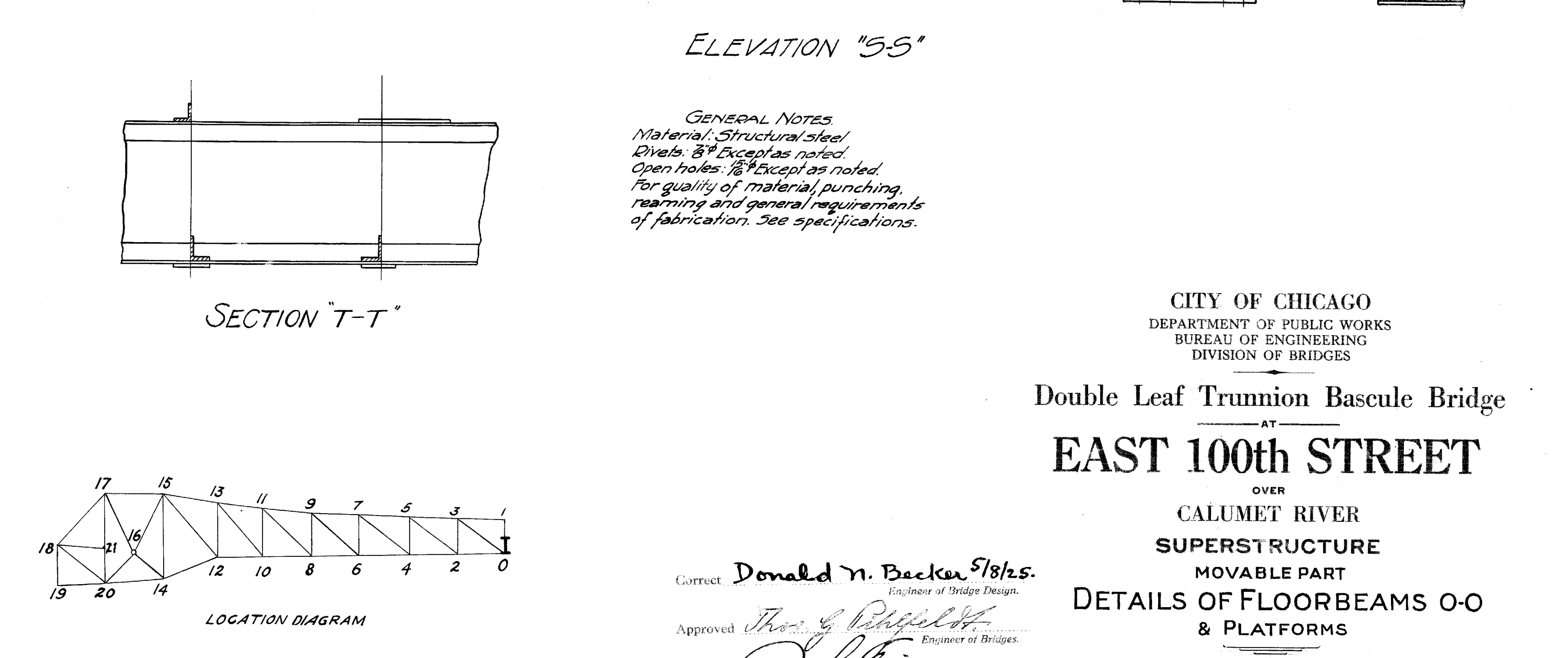
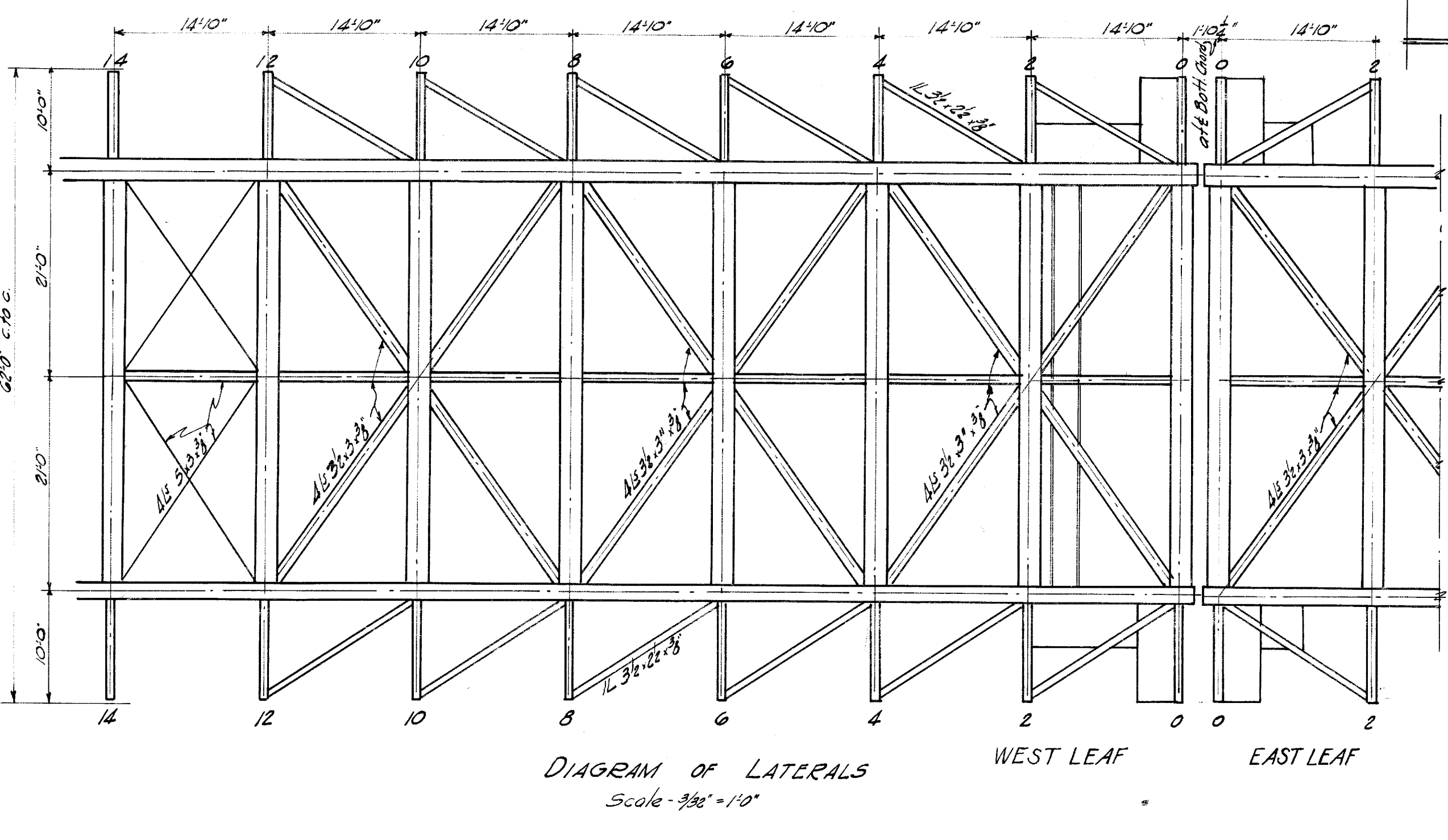
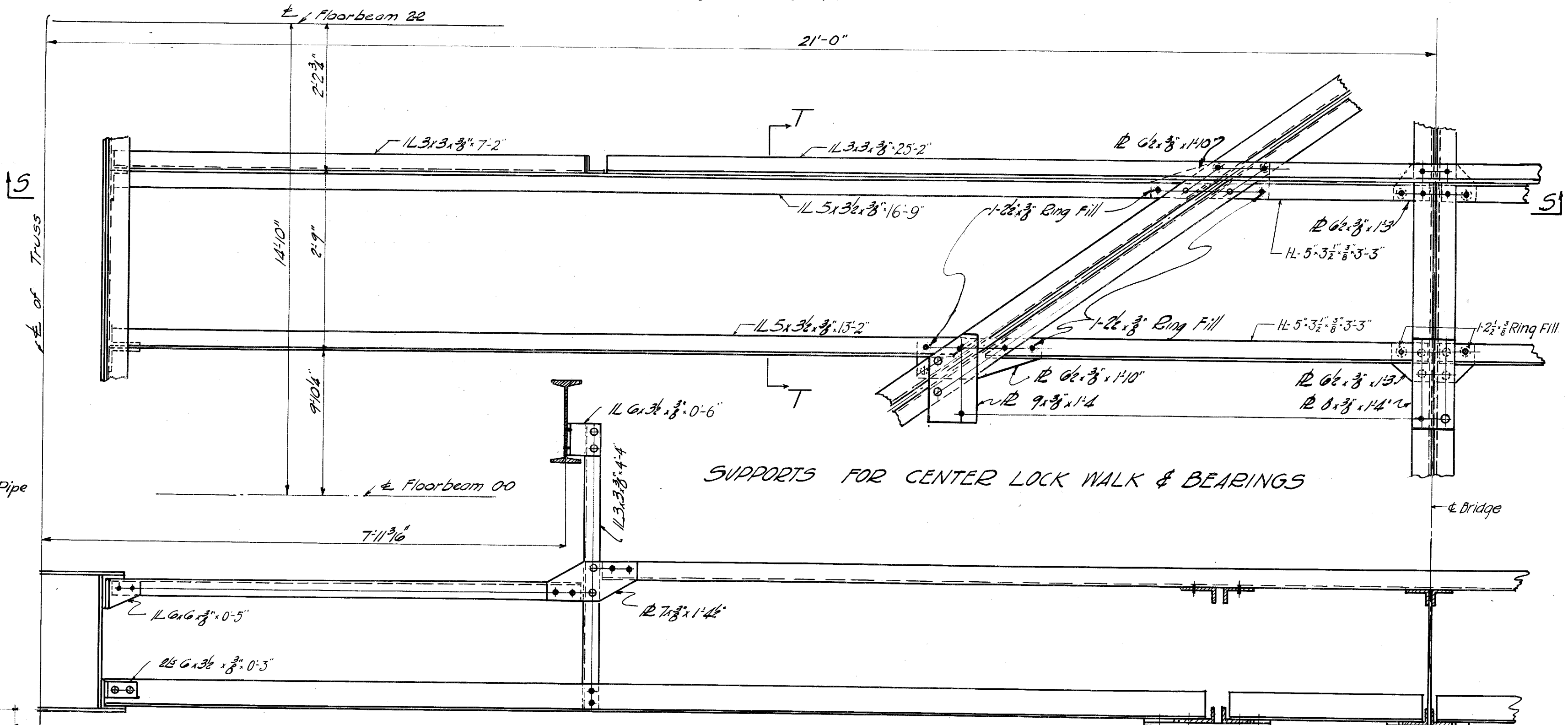
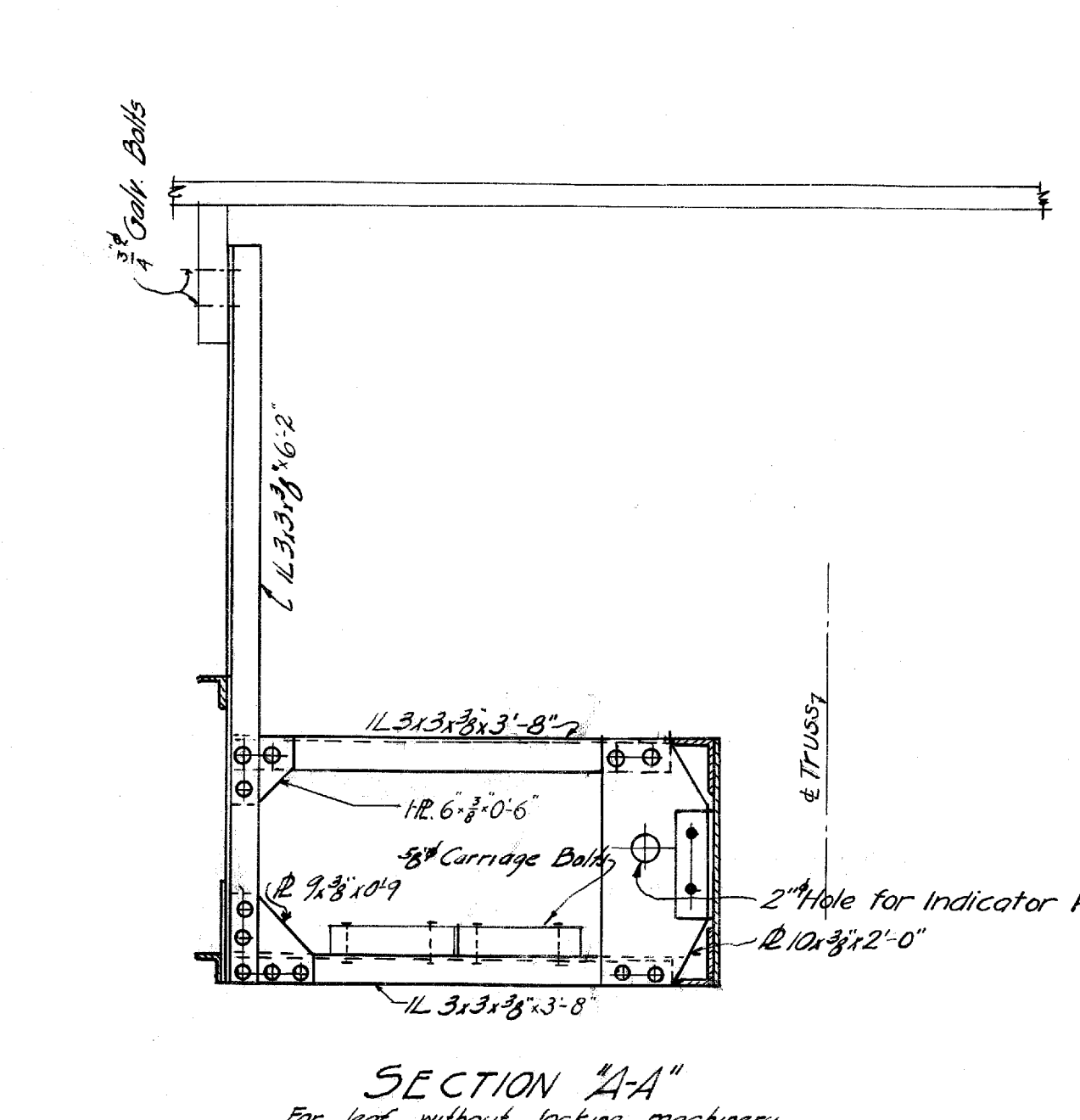
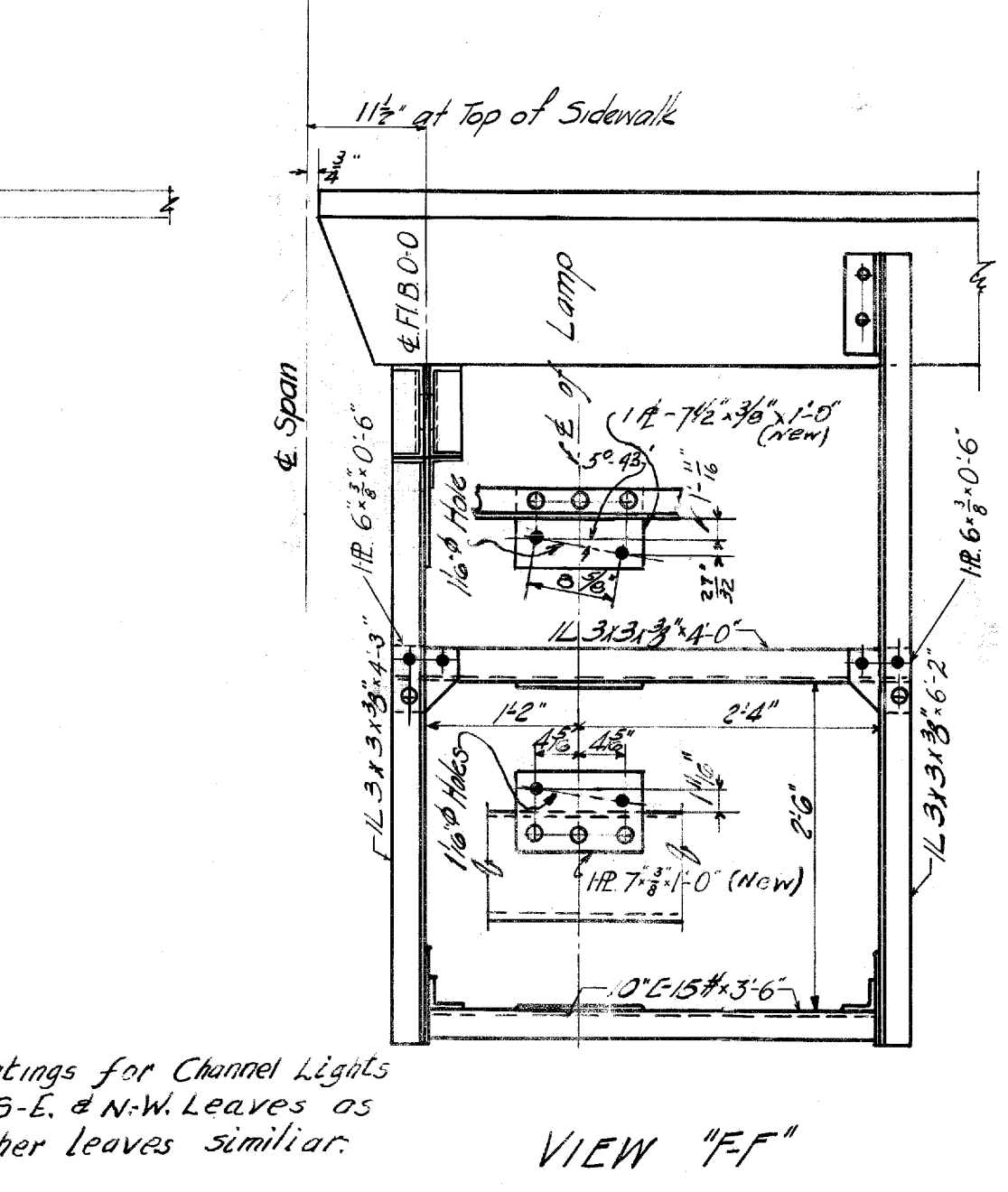
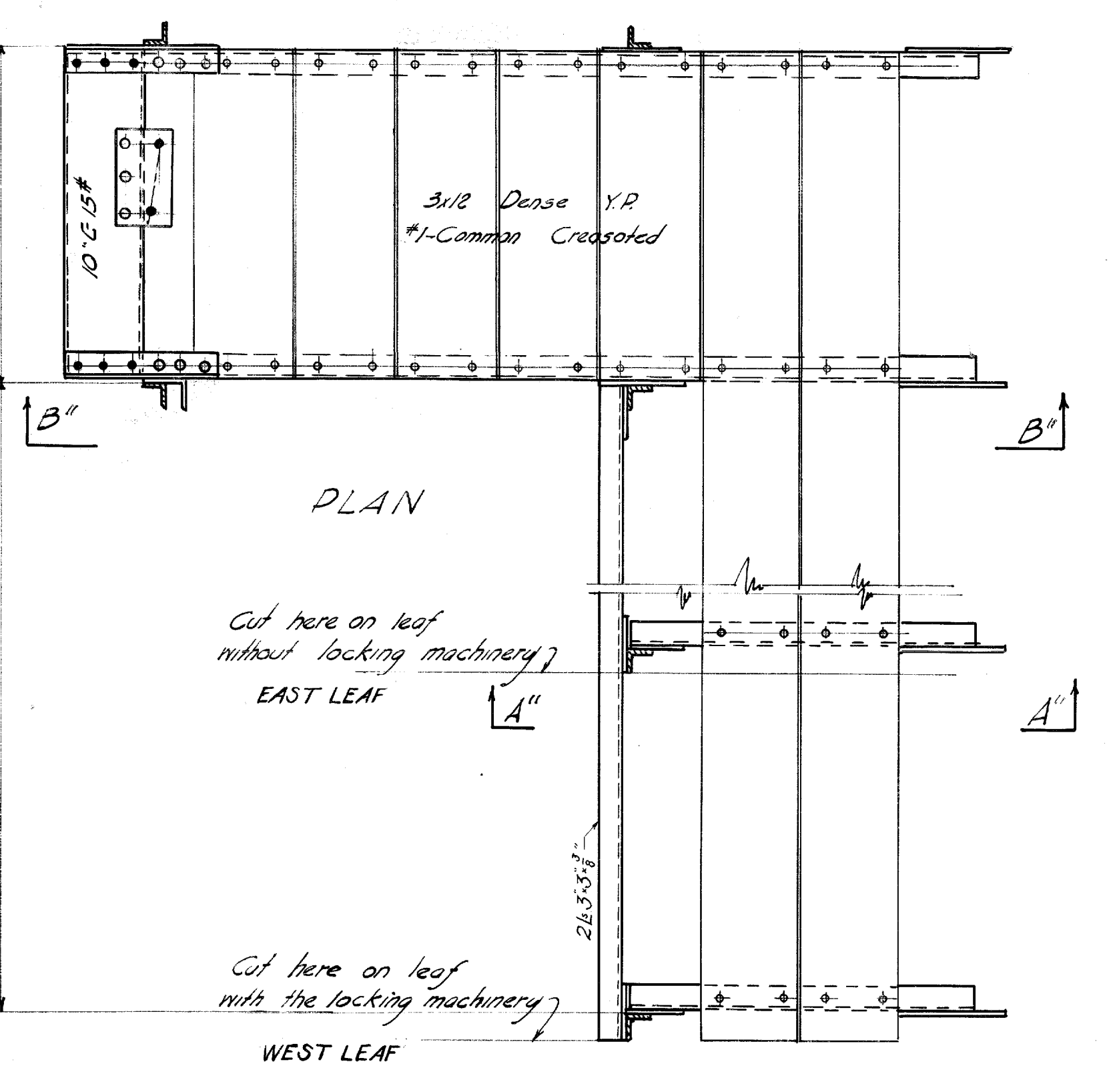
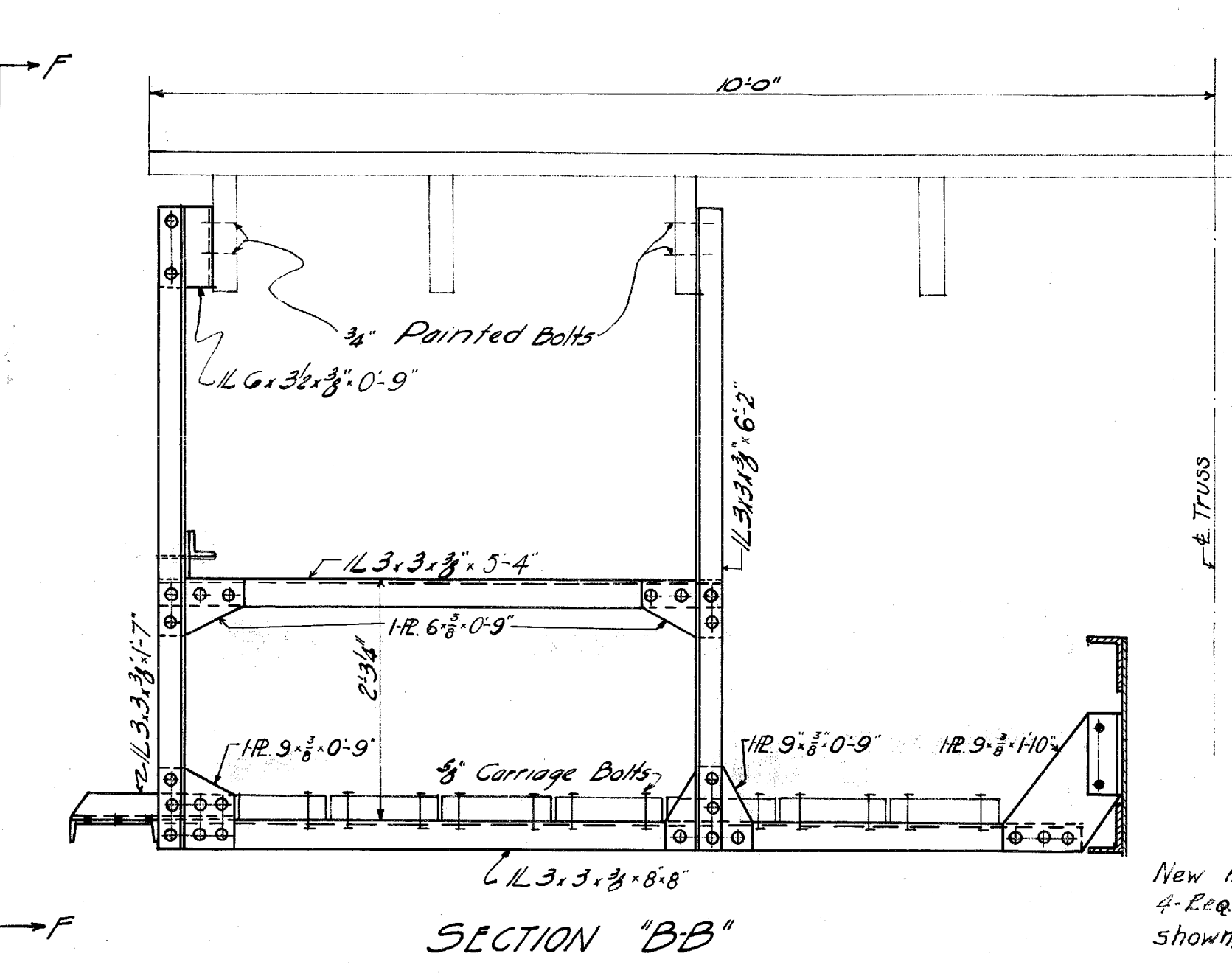
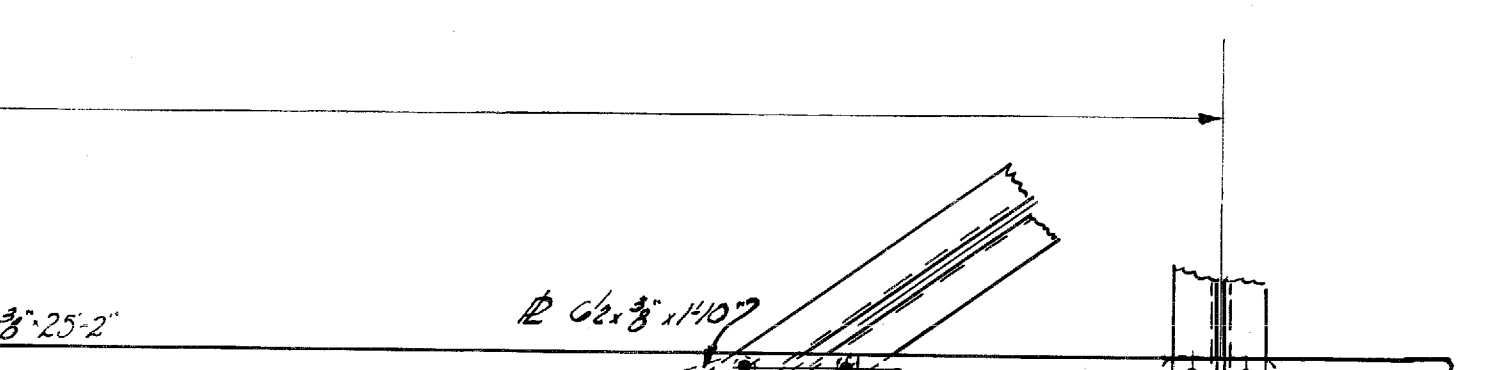
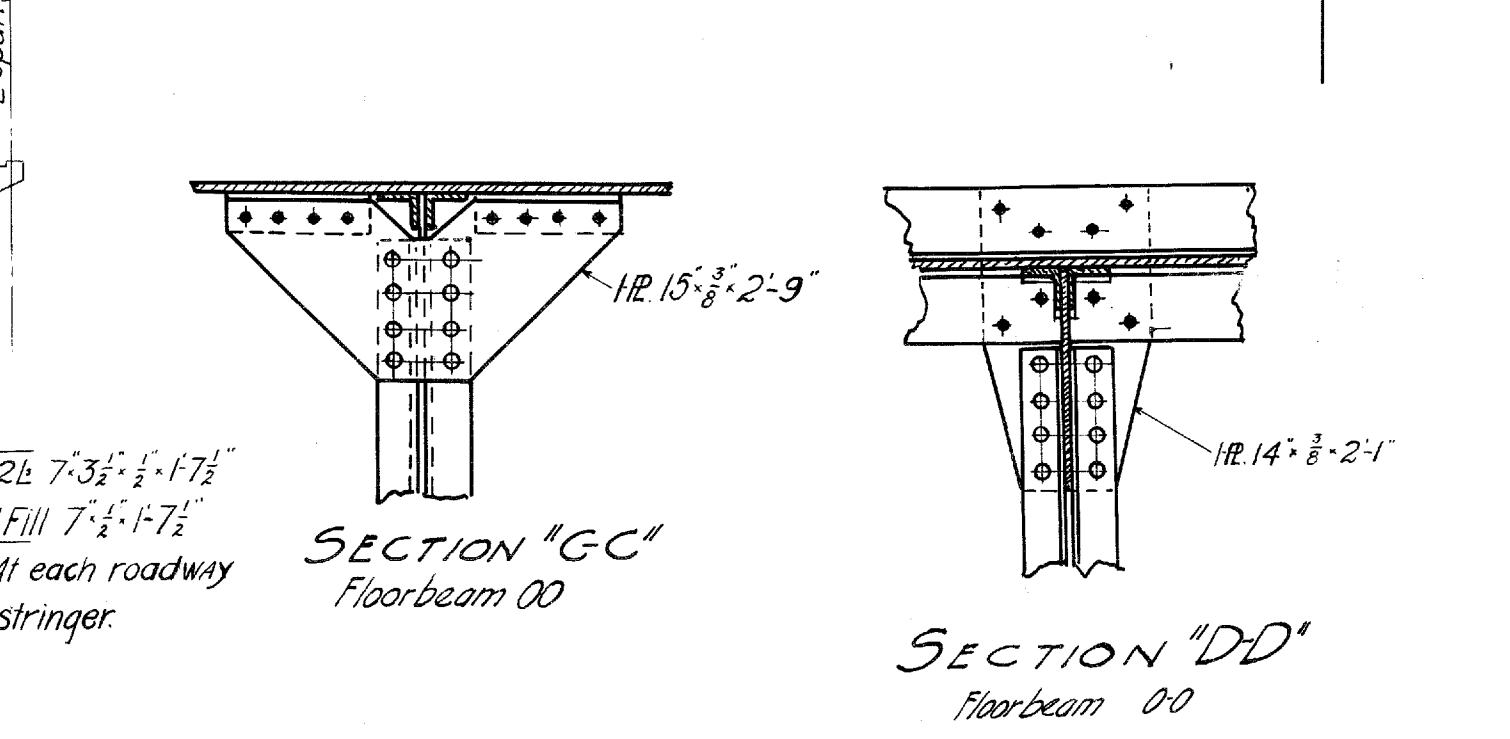
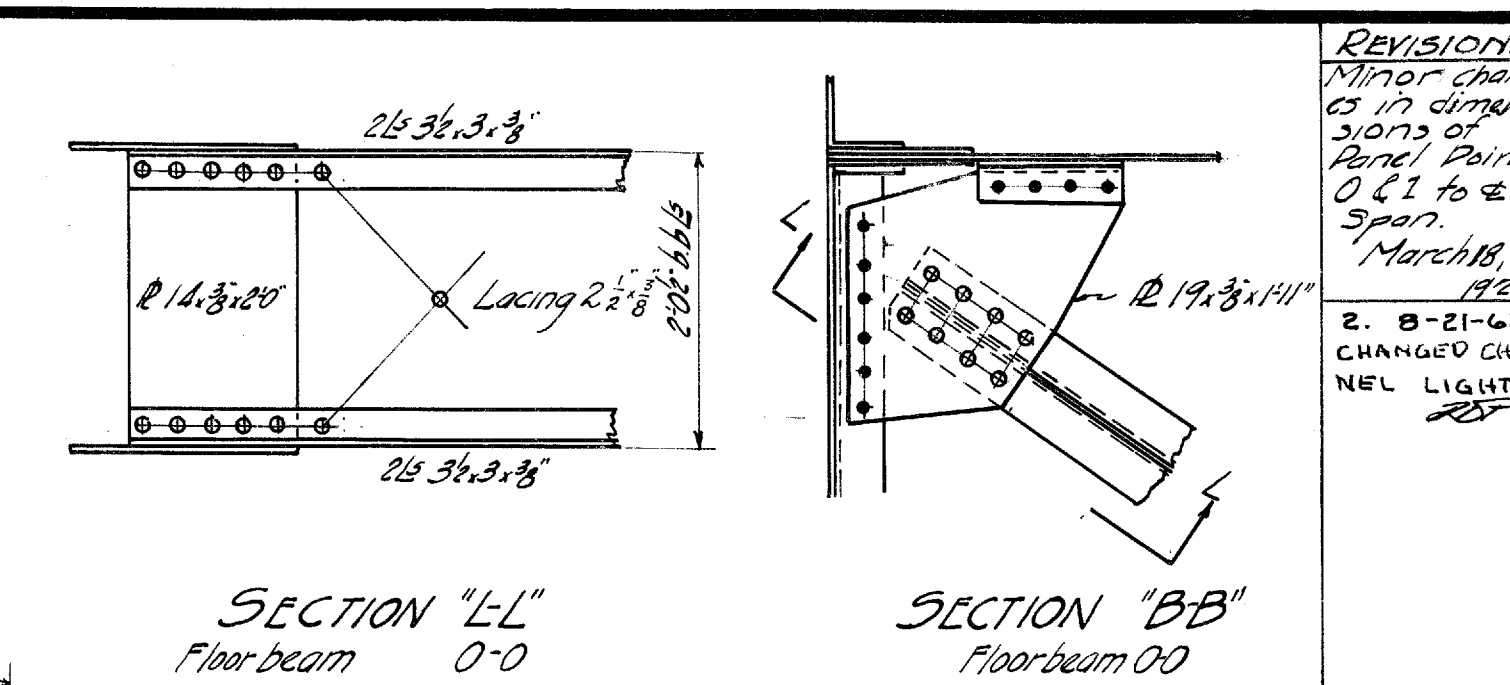
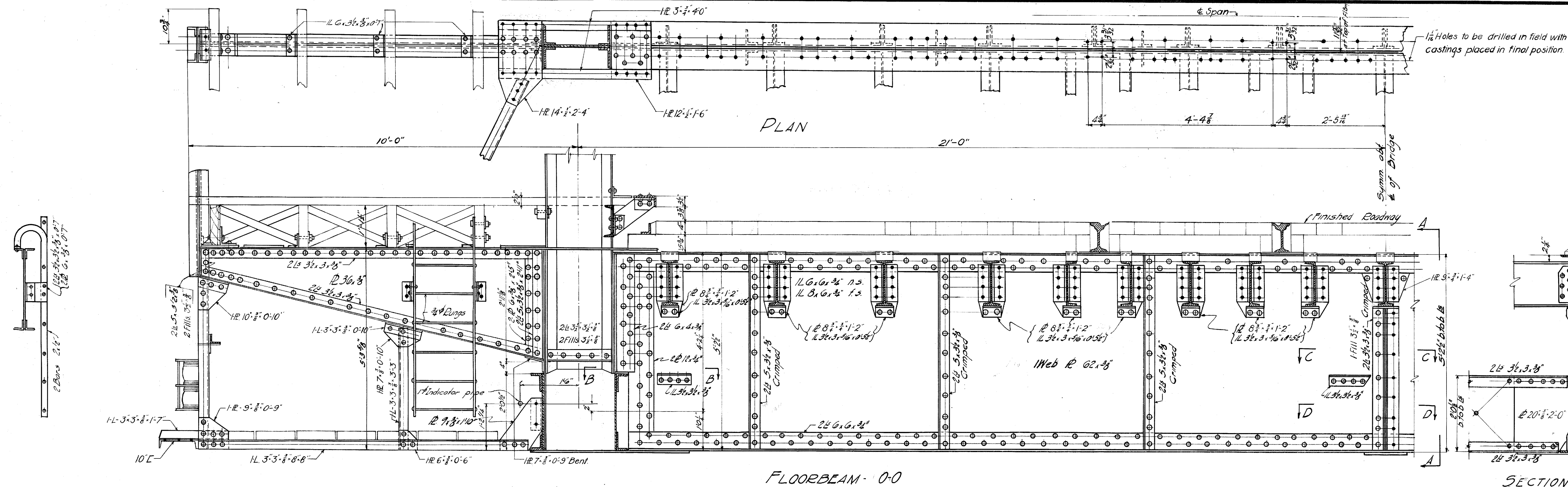
Approved [Signature]
City Engineer.

Approved [Signature]
Commissioner of Public Works.

Scale: 3/4 in. = 1 ft.	February, 1925
Drawn by <i>DEWINT</i>	DRWG. No. 10206
Traced by <i>A.E. Rosenfeld</i>	FILE No. <i>11-11-F-25</i>
Checked by <i>H.E. [unclear]</i>	SUP. (6) OF (38)
In Charge of <i>[unclear]</i>	

1660420291

32 Per 403



GENERAL NOTES
Material: Structural steel
Rivets: 3/4" Except as noted.
Open holes: 1/2" Except as noted.
For quality of material, punching,
reaming and general requirements
of fabrication. See specifications.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge

— AT —

EAST 100th STREET

OVER

CALUMET RIVER

SUPERSTRUCTURE

MOVABLE PART

DETAILS OF FLOORBEAMS O-O

& PLATFORMS

Correct Donald N. Becker 5/8/25.
Engineer of Bridge Design.

Approved Thos. G. Waples
Engineer of Bridges.

Approved: John C. Peterson
City Engineer.

Approved _____
Commissioner of Public Works.

Scale: $\frac{3}{4}$ in. = 8 $\frac{3}{4}$ in. = 1 Ft.	February, 1925
Drawn by <i>W. L. Cornick</i>	10010

Traced by A. E. ROSENFIELD DRWG. No. 10210
Checked by NE. [Signature] FILE No. 11-11F-29
In Charge of [Signature]

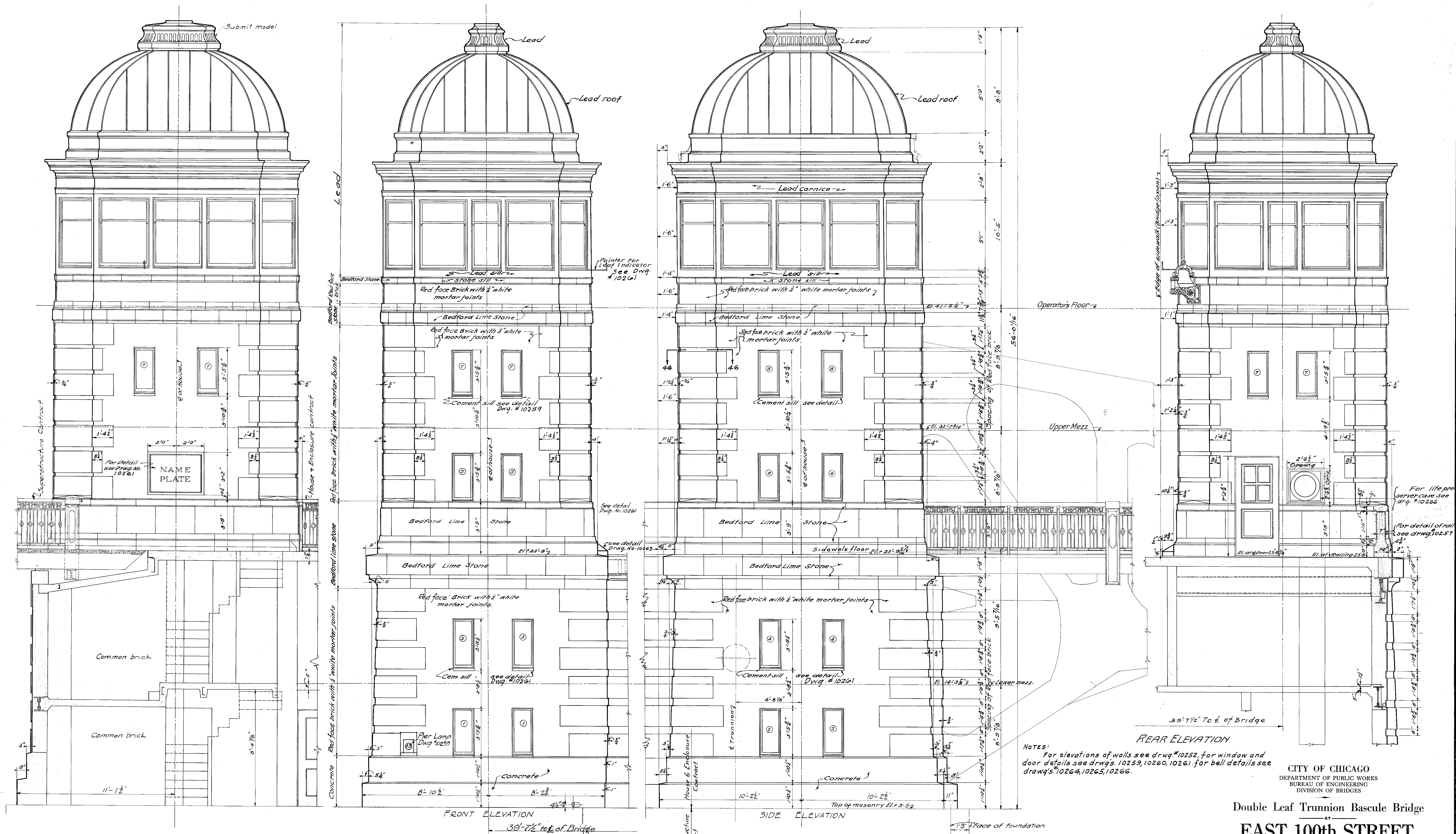
5

Journal of Management Education 36(8) 907-921

PAGE 10 OF 38

1660420295

32 Per 422



ROADWAY ELEVATION

FRONT ELEVATION

39'-7 1/2" to top of Bridge

SIDE ELEVATION

REAR ELEVATION

NOTES:
For elevations of walls see drwg.#10252, for window and door details see drwg's. 10259, 10260, 10261. for bell details see drwg's.#10264, 10265, 10266.

details see

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge

AT

EAST 100th STREET

OVER
CALUMET RIVER
HOUSES AND ENCLOSURES
ARCHITECTURAL
HOUSE ELEVATIONS

Scale: $\frac{3}{8}$ in. = 1 ft.	May, 1925	EL. (9) OF (18)
Drawn by <i>L.Y. Goldman</i>	DRWG. No. 10251	HOUSE (2) OF (35)
Traced by <i>L.Y. Goldman</i>		
Checked by <i>W. Parker</i>		
In Charge of <i>H. Sawyer</i>		
FILE No. <i>11-113-1</i>		

LIST OF ARCHITECTURAL DRAWINGS			
10201	General Plan and Elevations	10259	Details of Doors and Windows.
10251	House Elevations.	10260	Details of Roof.
10252	Enclosure Elevations.	10261	Operators' Room Windows, etc.
10253	Lower Floor Plans.	10262	Wood Platforms and Pit Partitions.
10254	Upper Floor Plans.	10263	Concrete Slab at Break in Sidewalk.
10255	Sections of Enclosures.	10264	Bell and Bracket Details.
10256	Sections of Houses and Enclosures.	10265	Bell and Bracket Details.
10257	Details of Coal Chute, etc.	10266	Details of Bell and Bracket, etc.
10258	Details of Wall Sections	10267	Plumbing and Heating Diagrams.

Approved *Bonnie Edwards & Frost*
Consulting Architectural Firm Commission. *BEB*

Correct *Donald N. Becker* 7/14/76
Engineer of Bridge Design.

Approved *Thos. J. Ringold*
Engineer of Bridges.

Approved *John E. Eason*
City Engineer.

Approved *Maui*
Commissioner of Public Works.

For Spacing of Ribs see Drawing No. 10254
For Detail of Parapet - see Drawing No. 10257

39'-7 1/2" to Bridge



NOTES:
For elevations of house see drwg #10251 for
window & door details see drawing #10259

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge

EAST 100TH STREET

OVER
CALUMET RIVER
HOUSES AND ENCLOSURES
ARCHITECTURAL
ENCLOSURE
ELEVATIONS

Approved *James H. Beeler*
Correct *Donald M. Beeler*
Approved *James H. Beeler*
Approved *James H. Beeler*

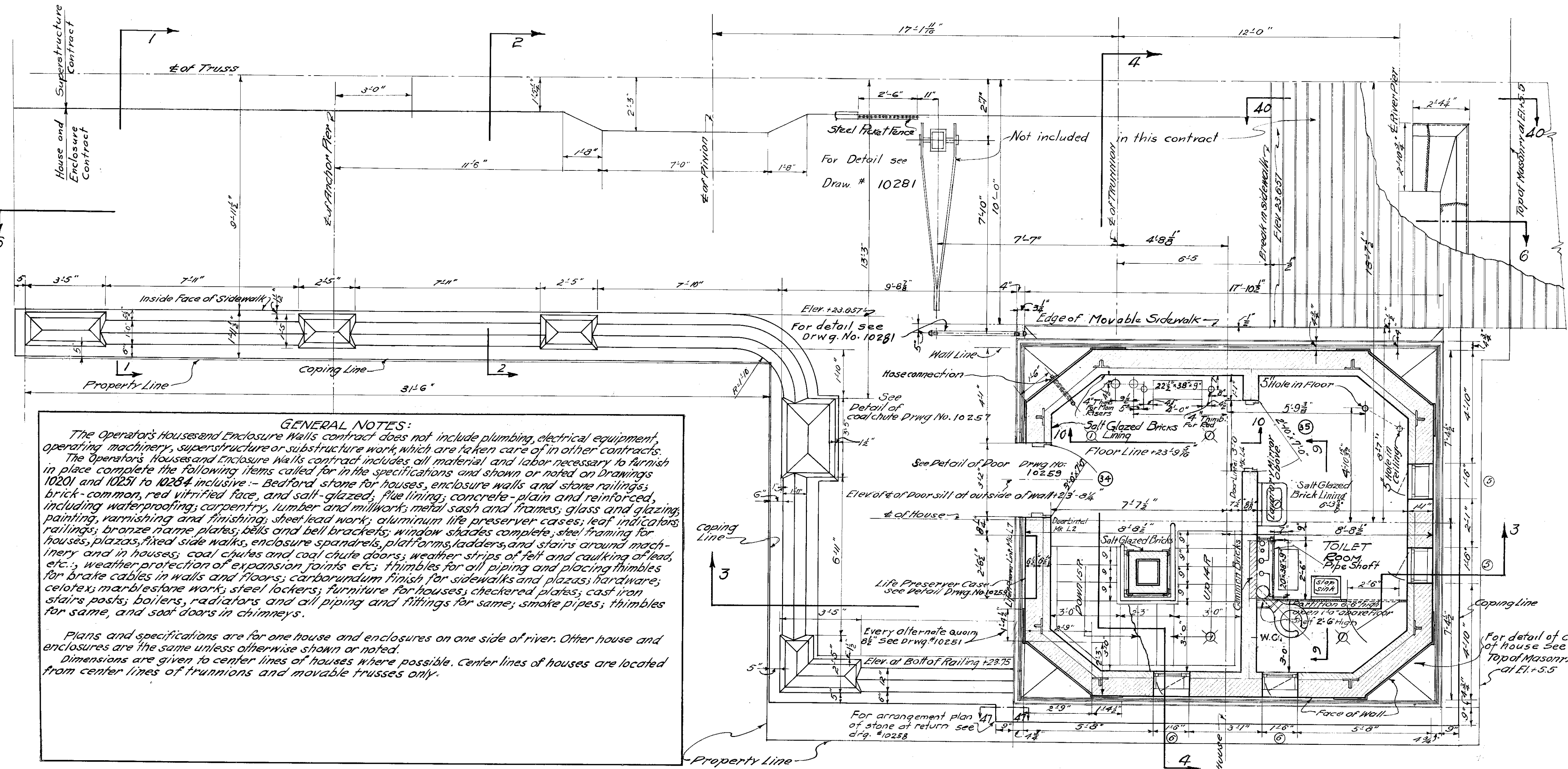
Scale: 3/8"=1'-0"
May, 1925
Drawn by *L. J. Goldman*
Traced by *L. J. Goldman*
Checked by *L. J. Goldman*
In Charge of *L. J. Goldman*

1660420323

DRWG. No. 10252
FILE No. 11-115-2

HOUSE 3 OF 35

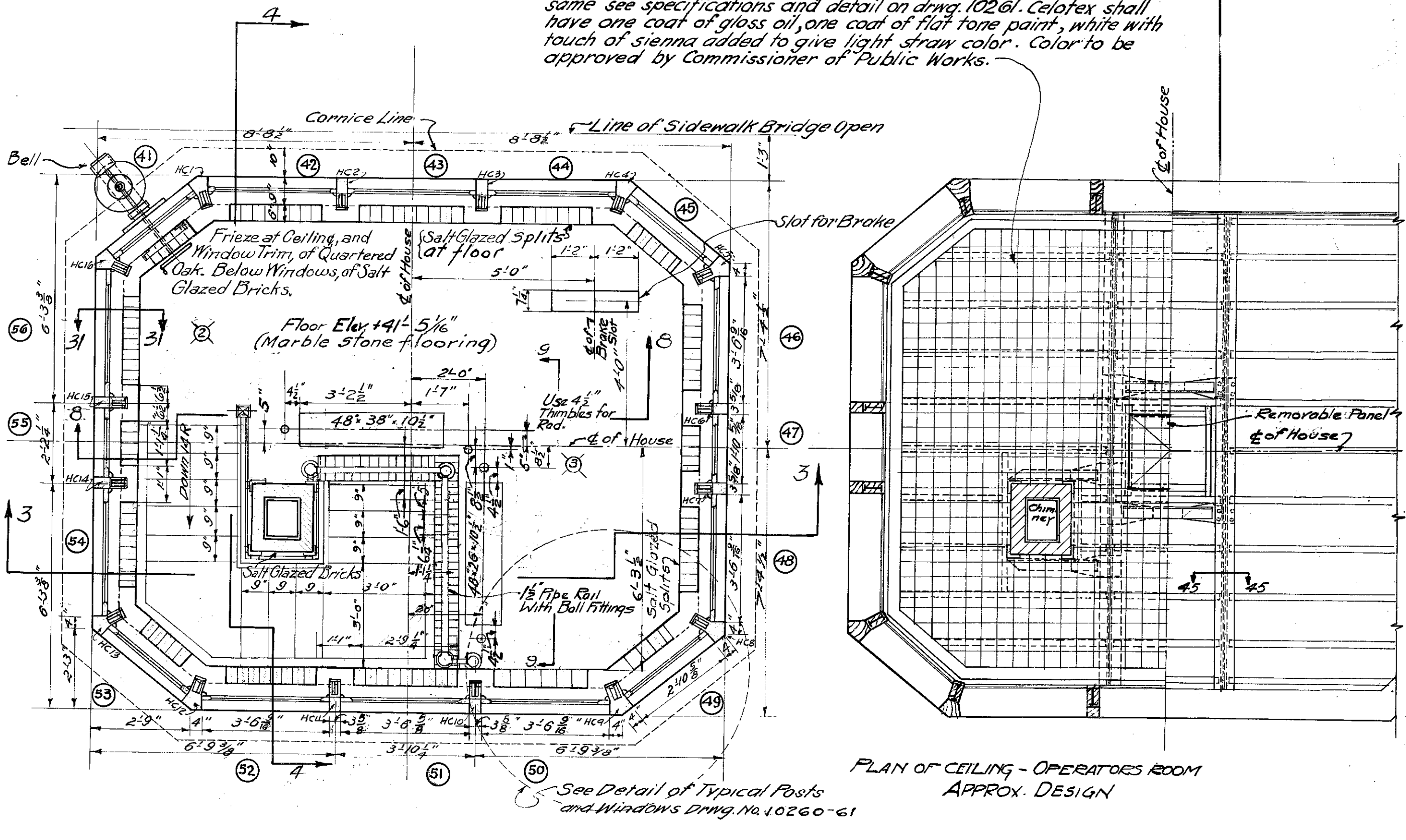
5" blocks of celotex or equal. For method of installation of same see specifications and detail on drawing 10261. Celotex shall have one coat of glass oil, one coat of flat tone paint, white with touch of sienna added to give light straw color. Color to be approved by Commissioner of Public Works.



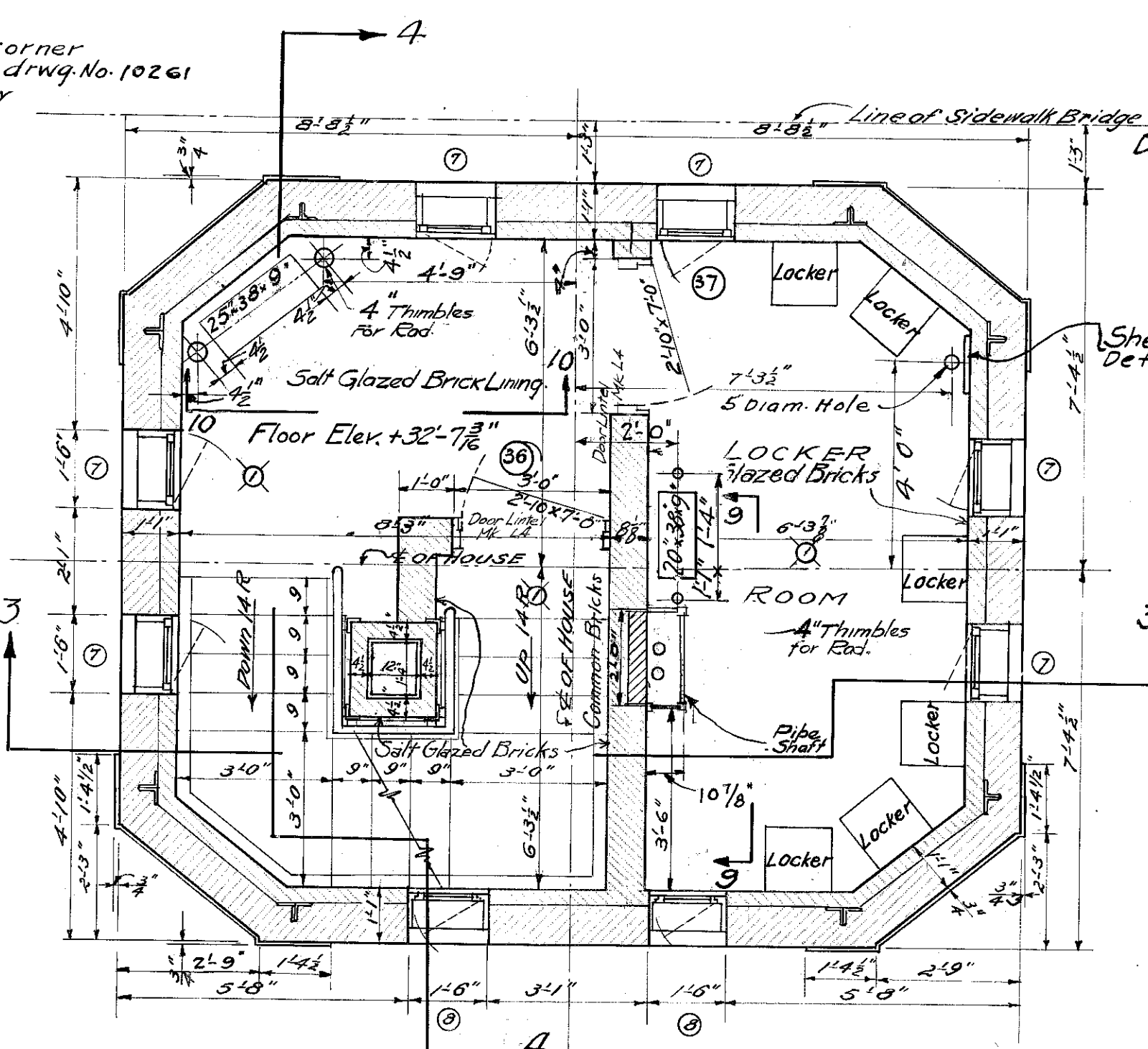
GENERAL NOTES:
The Operator's Houses and Enclosure Walls contract does not include plumbing, electrical equipment, operating machinery, superstructure or substructure work which are taken care of in other contracts. The Operator's Houses and Enclosure Walls contract includes all material and labor necessary to furnish in place complete the following items called for in the specifications and shown or noted on drawings 10201 and 10251 to 10284 inclusive: Bedford stone for houses, enclosure walls and stone railings; including waterproofing, carpentry, lumber and millwork; metal sash and frames; glass and glazing; painting, varnishing and finishing; steel lead work; aluminum life preserver cases; leaf indicators; railings; bronze name plates; bells and bell brackets; window shades complete; steel framing for houses, piazzas, fixed side walls, enclosure spandrels, platforms, ladders and stairs around machinery and in houses; coat chutes and roof chute doors; weather strips of felt and caulking of lead, etc.; weather protection of expansion joints; etc.; thimbles for all piping and placing thimbles for brake cables in walls and floors; carborundum finish for sidewalks and piazzas; hardware; celotex; marblestone work; steel lockers; furniture for houses; checkered plates; cast iron stairs posts; boilers, radiators and all piping and fittings for same; smoke pipes; thimbles for same, and soot doors in chimneys.

Plans and specifications are for one house and enclosures on one side of river. Other house and enclosures are the same unless otherwise shown or noted.

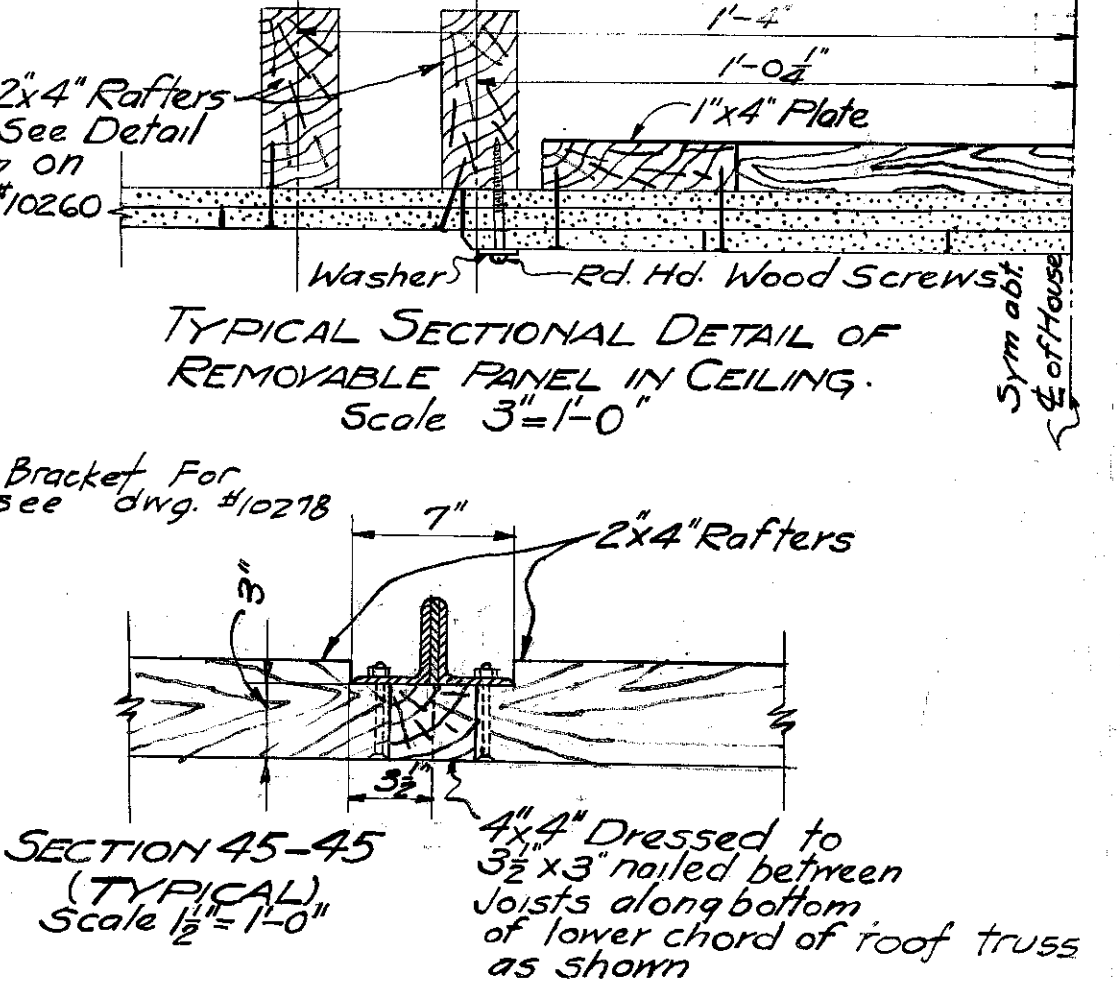
Dimensions are given to center lines of houses where possible. Center lines of houses are located from center lines of trunnions and movable trusses only.



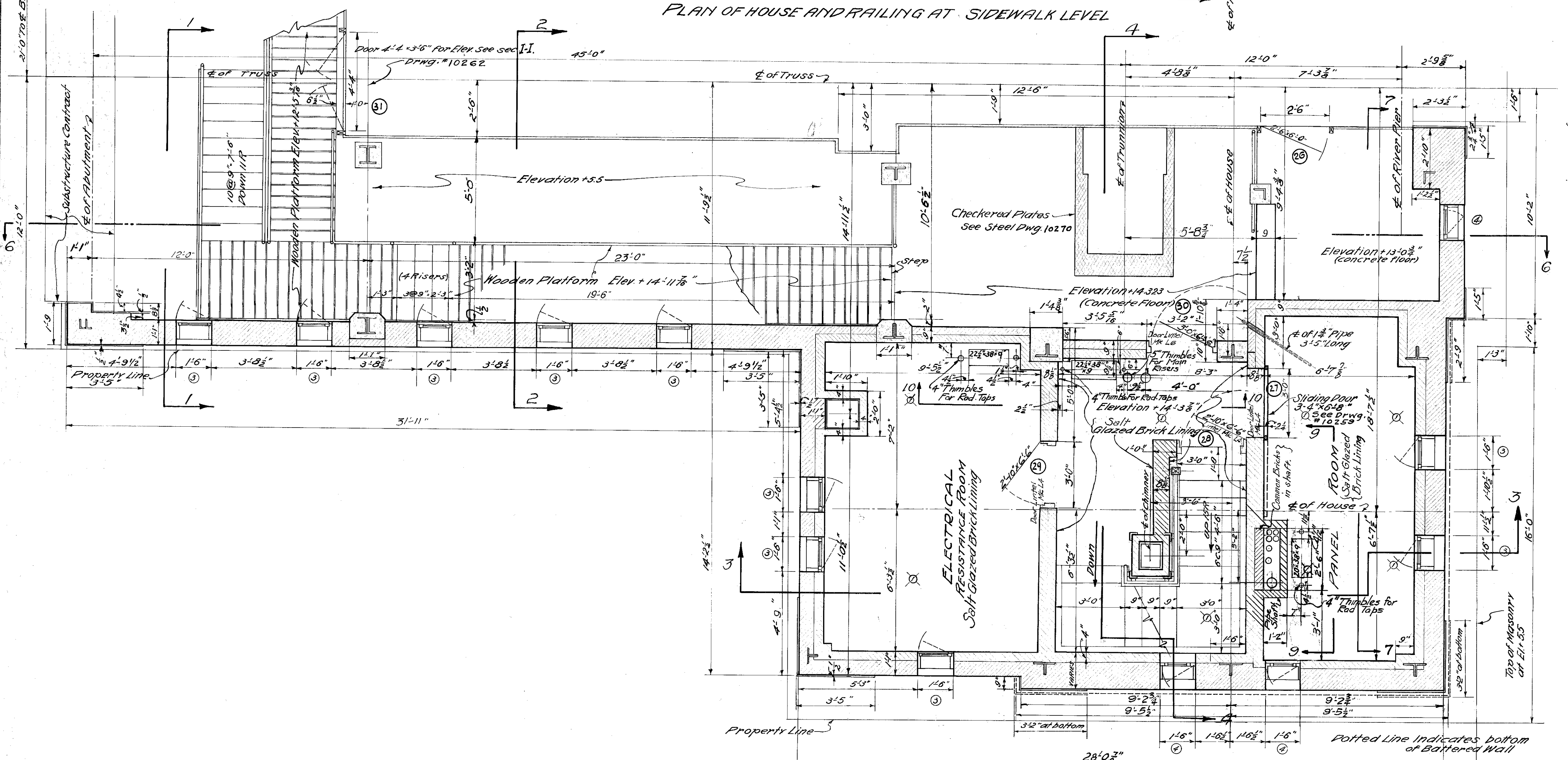
PLAN OF OPERATORS FLOOR



PLAN OF UPPER MEZZANINE FLOOR



NOTES:
Sections (1) to (1) inclusive see Drawings 10255 & 10256. For sections 8, 9, 10 see Drawing 10284. For section 40 see Drawing 10263. For all partitions see Drawing 10262. For bell and bracket details see Drawings 10264, 10265 & 10266. For hardware list see Drawing 10265. For schedule of windows see Drawing 10259.



PLAN OF HOUSE AND ENCLOSURE WALLS AT LOWER MEZZANINE LEVEL

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

Double Leaf Trunnion Bascule Bridge
AT
EAST 100th STREET
OVER
CALUMET RIVER

HOUSES AND ENCLOSURES
ARCHITECTURAL
UPPER FLOOR PLANS

Approved *Robert Edmund Street*
Consulting Architect Chicago Plan Commission.

Corrected *Donald M. Becker* 5/11/16
Engineer of Bridge Design.

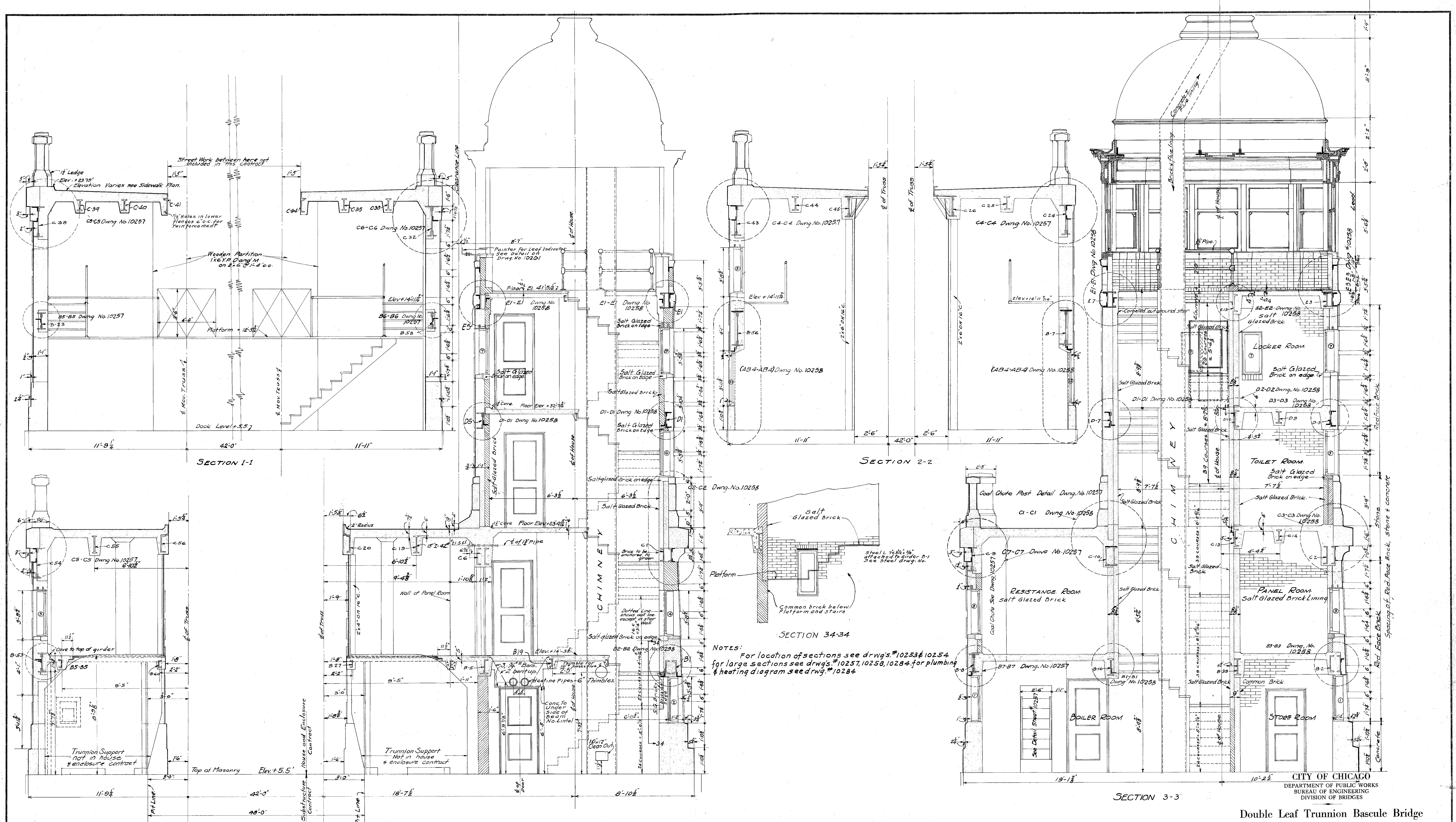
Approved *W. G. Ruffalo*
City Engineer.

Approved *W. H. L. ...*
Commissioner of Public Works.

Scale: 3/16" = 1'-0"
May, 1925
Drawn by *Phohl*
Traced by *W. H. L.*
Checked by *W. H. L.*
In Charge of *W. H. L.*

DRWG. No. 10254
FILE No. 11-11-4

PLUMB 4 OF 6
EL. 11 OF 18
HOUSE 5 OF 35



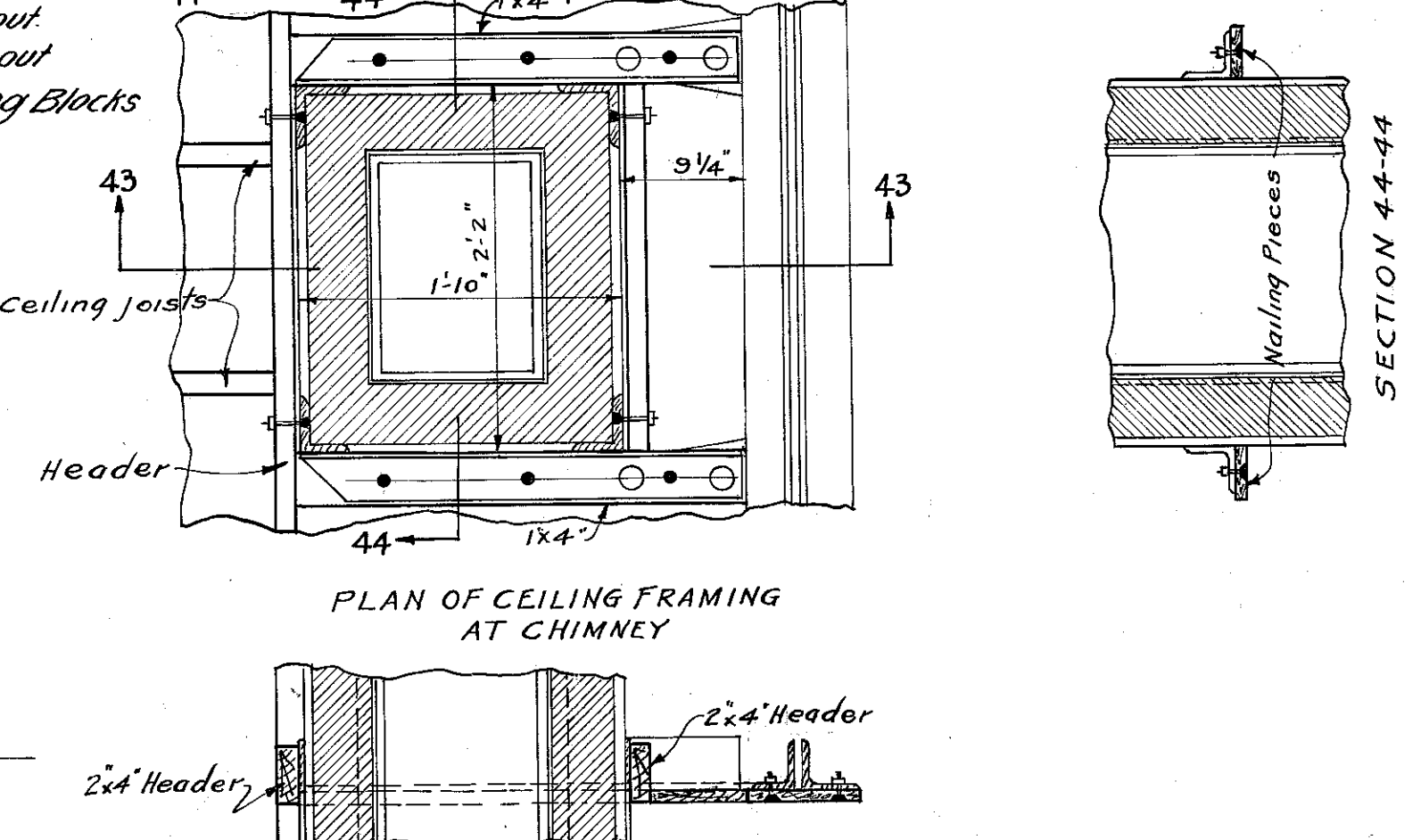
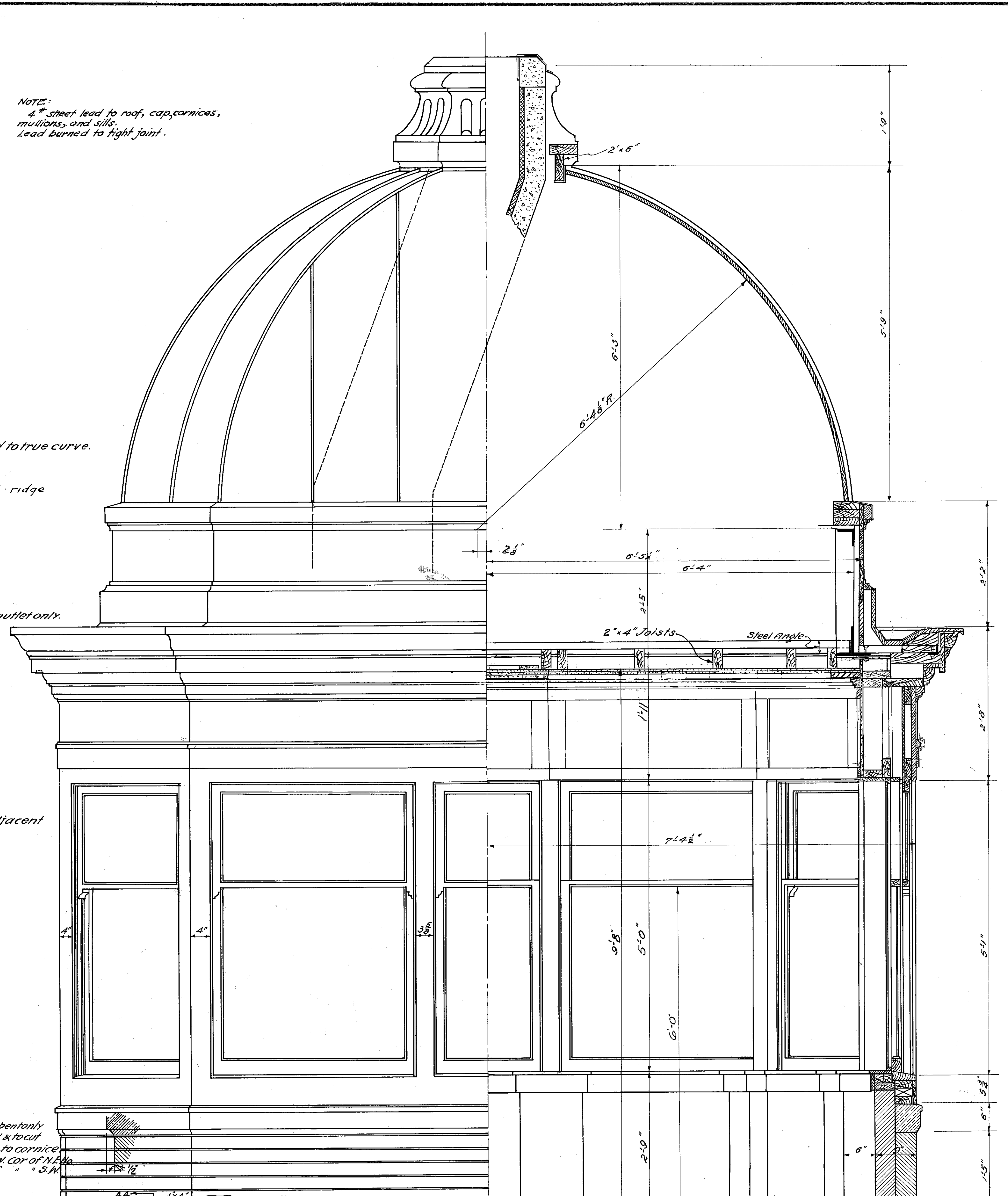
NOTES:
For location of sections see dwgs. #10253 & 10254
for large sections see dwgs. #10257, 10258, 10284 for plumbing
& heating diagram see dwg. #10284

Double Leaf Trunnion Bascule Bridge
AT
EAST 100th STREET

OVER
CALUMET RIVER
HOUSES AND ENCLOSURES
ARCHITECTURAL
SECTIONS OF HOUSES
& ENCLOSURES

Approved *Robert Carson* *Robert Carson* *Robert Carson*
Consulting Architects Chicago Plan Commission.
Correct *Donald M. Bacher* *Donald M. Bacher* *Donald M. Bacher*
Engineer of Bridges Design.
Approved *John J. Phillips* *John J. Phillips* *John J. Phillips*
Engineer of Bridges.
Approved *John J. Phillips* *John J. Phillips* *John J. Phillips*
City Engineer.
Approved *John J. Phillips* *John J. Phillips* *John J. Phillips*
Commissioner of Public Works.

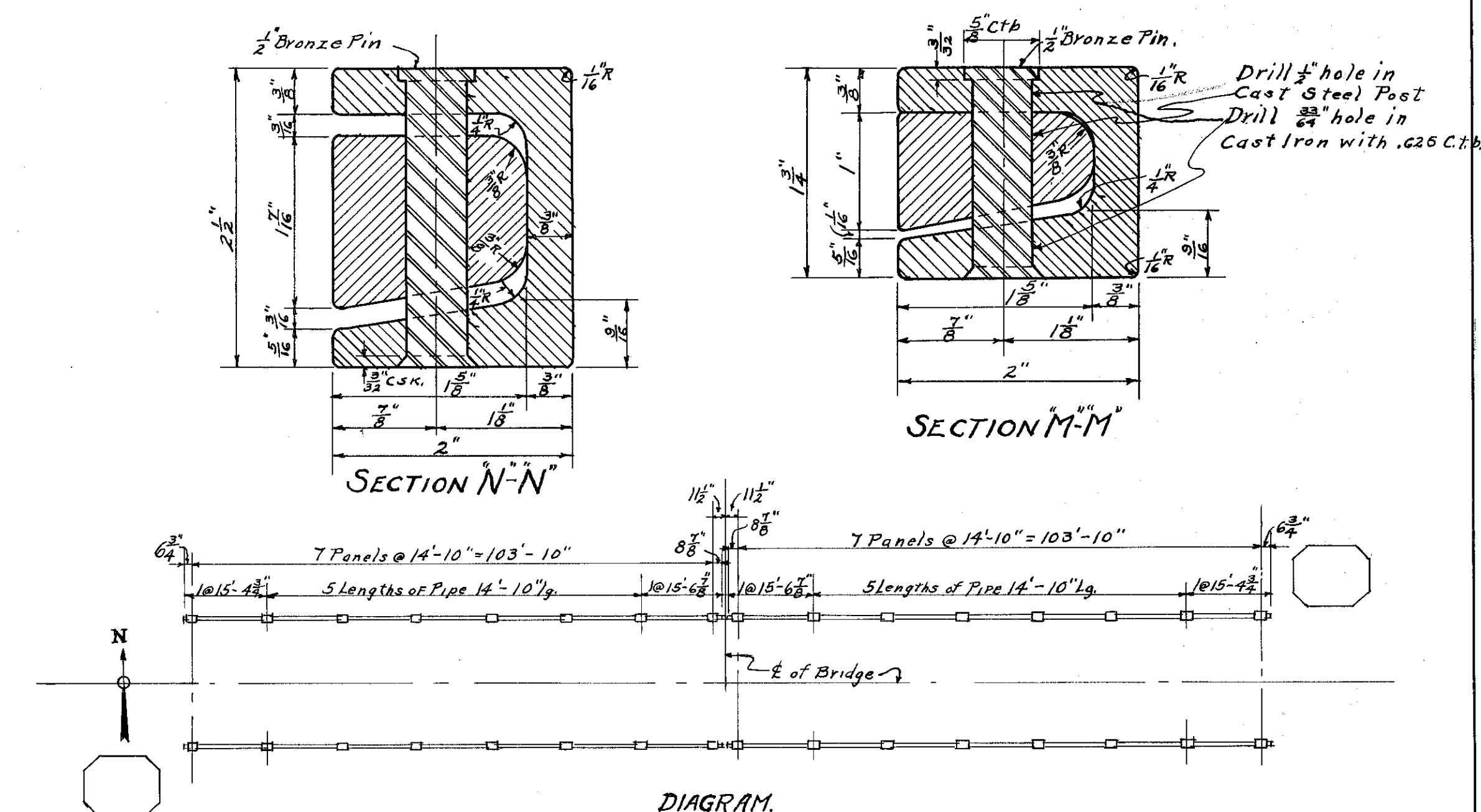
Scale: 3/4" = 1'-0"
May, 1925
Drawn by *Philip J. Zellerbach*
Traced by *Philip J. Zellerbach*
Checked by *Philip J. Zellerbach*
In Charge of *Philip J. Zellerbach*
DRWG. No. **10256**
FILE No. **11-11-6**
PLUMB **6** OF **6**
EL **13** OF **18**
HOUSE **7** OF **35**



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DIVISION OF BRIDGES

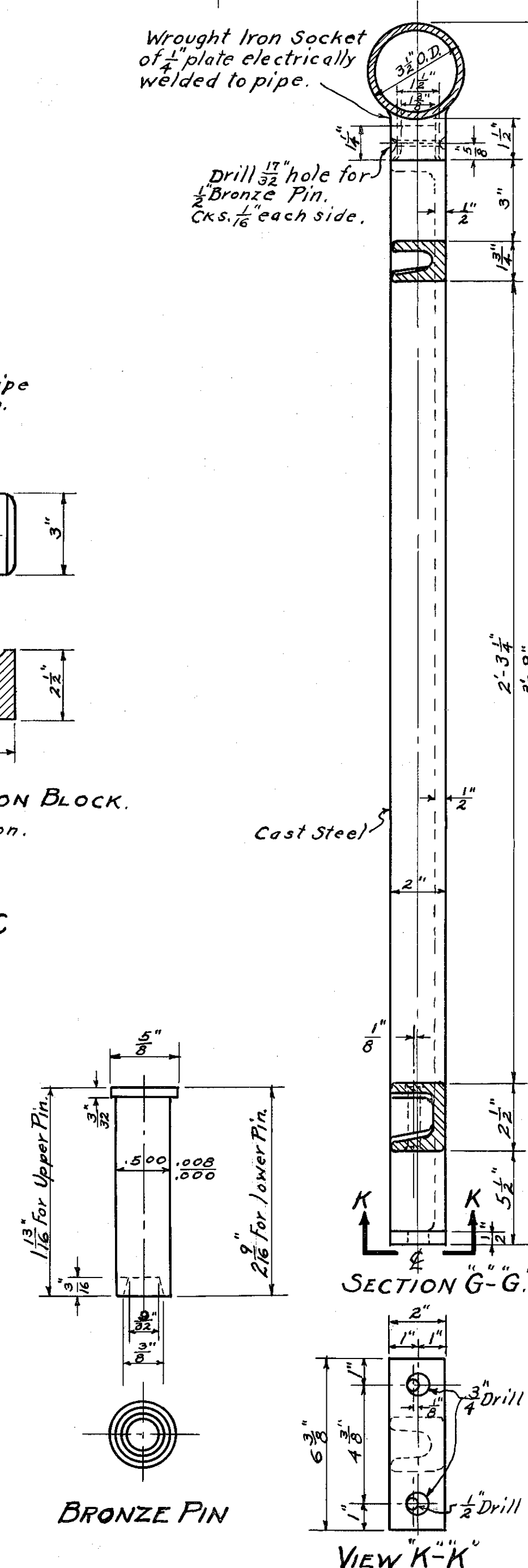
DETAILS OF ROOF

Scale: 1 in. = 1 ft.	May, 1925
Drawn by <i>Hart & Photo</i> Traced by <i>C. S. Felt</i> Checked by <i>F. Parker</i> In Charge of <i>J. H. Sawyer</i>	DRWG. No. 10260 FILE No. <i>11-113-10</i>



DETAIL OF MOVABLE PART HAND RAIL
Reg'd: 2 Complete Sets Hand Railings and Ornamental Castings as Shown
" 2 Complete Sets Hand Railings and Ornamental Castings Opposite Hand
Scale: 1" = 1'

Connections to Structural Posts shall be pinned only on side toward center of River.



Note:
No painting allowed. All parts, including structural posts, pipe, castings, bolts and nuts, shall be electroplated with Cadmium after all drilling and fitting has been done.
Steel Castings shall be according to Specifications, with a carbon content not less than .15% and not more than .25%.
Malleable Iron Castings shall be according to Specifications.
Sample Castings:
Before molding is begun on the required number of Railing Castings, Sample Castings of each part shall be submitted for approval to the Commissioner of Public Works.

DETAIL FOR
HAND RAILING MOVABLE PART
EAST 100TH STREET BRIDGE
OVER
CALUMET RIVER
CONTRACTORS
THE KETLER ELLIOT & Co.,
3121 S. CALIFORNIA AVE.,
CHICAGO, ILL.

UNION FOUNDRY WORKS FABRICATORS

DRAWN BY 76TH ST. & GREENWOOD AV.
CHICAGO

CHECKED BY
DATE

APPROVED Donald N. Becker 1-13-20
ENGINEER OF BRIDGE DESIGN

13-226- APPROVED *Thos. G. Pihl*
ENGINEER OF BRIDGES

2-8
APPROVED [Signature]
CITY ENGINEER

APPROVED *H. H. H. H. H.*
COMMISSIONER OF PUBLIC WORKS

REFERENCE CITY DRAWING 10218

1660420107