

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAU ROUTE 607: US 30 WB (CASS ST.)  
SECTION (G-R) BP  
OVER DES PLAINES RIVER  
BRIDGE PAINTING  
WILL COUNTY

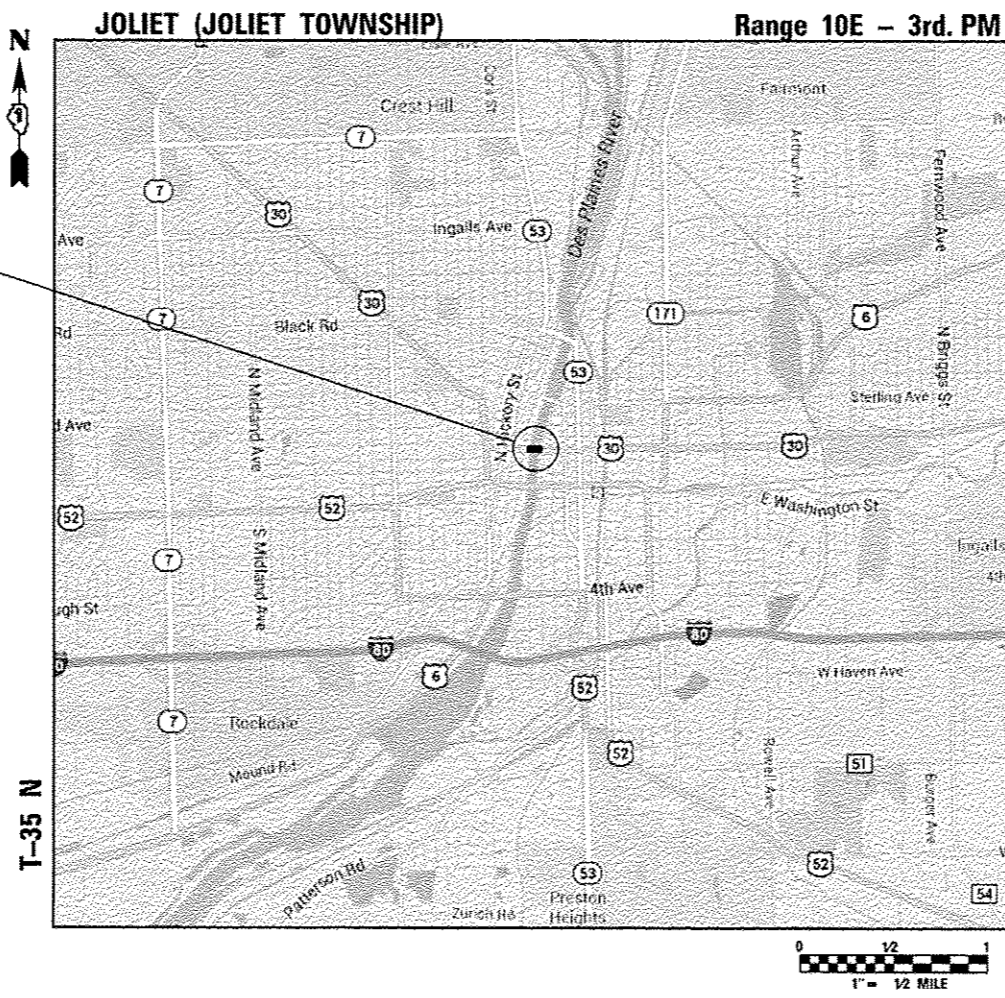
FOR INDEX OF SHEETS, SEE SHEET NO. 2

**DESIGN DESIGNATION**  
OTHER PRINCIPAL ARTERIAL  
ADT 16,000 (2013)  
SPEED LIMIT 30 MPH

IMPROVEMENT LOCATED IN  
THE CITY OF JOLIET

C-91-022-16

IMPROVEMENT LOCATION  
CASS STREET (US 30 WB)  
OVER DES PLAINES RIVER  
(SN099-0101)



J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178  
PROJECT ENGINEER: MR. ROBERT T. BORO, P.E. (847) 705-4237

CONTRACT NO. 62B38

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	1
ILLINOIS			CONTRACT NO. 62B38	

\* 45 + 2 = 47

D-91-022-16



LOCATION OF SECTION INDICATED THUS: - [Red Arrow] -



COLLINS ENGINEERS, INC.  
JASON M. SCHNEIDER  
NO. 81-7245  
EXPIRES 11-30-2016



COLLINS ENGINEERS, INC.  
RYAN GALLE  
NO. 062-064397  
EXPIRES 11-30-2015

**COLLINS ENGINEERS**  
123 N. WACKER DR., SUITE 900  
CHICAGO, IL 60606  
(312) 704-9300  
ILLINOIS PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-000993

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *Feb. 25, 2015*

*John F. [Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER

*Dec 4 2015*  
*John D. Baranzelli, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Dec 4 2015*  
*Omer Osman, P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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- 44A TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
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**STATE STANDARDS**

- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
- 701801-05 SIDEWALK, CORNER, OR CROSSWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

**GENERAL NOTES**

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES.
2. THE CONTRACTOR SHALL COORDINATE THE WORK WITH ALL AFFECTED UTILITIES AND THE CITY OF JOLIET.
3. THE CONTRACTOR SHALL NOT BE ALLOWED TO SETUP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE FOR THE WORK.
5. THE CONTRACTOR SHALL CONTRACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THE CONTRACTOR SHALL CONTACT THE MOVABLE BRIDGE TECHNICIAN A MINIMUM OF 48 HOURS PRIOR TO THE CLOSURE TO COORDINATE OPERATION OF THE BRIDGE.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
8. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
9. DO NOT SCALE THESE PLANS FOR CONSTRUCTION PURPOSES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, IDOT'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION, AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
11. WORK ON THIS STRUCTURE SHALL BE DONE IN SUCH A MANNER THAT THE CLOSURE OF THE BRIDGE TO RIVER TRAFFIC (PERIODS WHERE THE BRIDGE IS RESTRICTED IN THE DOWN POSITION) IS PROHIBITED. RIVER TRAFFIC IS TO BE MAINTAINED AT ALL TIMES. WORK THAT REQUIRES THE BRIDGE TO BE IMMOBILIZED SHALL BE DONE WITH THE BRIDGE IN THE UP POSITION, SUBJECT TO COAST GUARD APPROVAL.
12. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL TO OCCUPY NAVIGABLE WATERS, IF REQUIRED, FOR THE PROPOSED WORK. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER, AND SUBMITTED BY THE ENGINEER TO THE COAST GUARD FOR APPROVAL.
13. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH RIVER TRAFFIC BENEATH THE BRIDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM.
14. ALL BRIDGE PLAN SHEETS HAVE BEEN EXCERPTED FROM THE EXISTING BRIDGE PLANS. INFORMATION THAT DOES NOT PERTAIN TO THIS CONTRACT (E.G. STEEL REPAIRS, MEMBER REPLACEMENT) MAY BE SHOWN ON THE EXISTING SHEETS.
15. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES, SYMBOLS, AND LETTERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS MARKERS SHALL BE AS DIRECTED BY THE ENGINEER.
16. ALL PAVEMENT MARKINGS AFFECTED BY THE BRIDGE REPAIRS SHALL BE REPLACED. NOMINAL QUANTITIES HAVE BEEN INCLUDED IN THE CONTRACT FOR THIS WORK.

**PAINTING GENERAL NOTES**

1. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION "CLEANING AND PAINTING EXISTING STEEL STRUCTURES."
  2. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
  3. THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.
  4. A MINIMUM OF FOUR (4) AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUE."
  5. ALL ITEMS (SUCH AS, BUT NOT LIMITED TO, CONDUITS, BRACKETS, DECK DRAINS) ATTACHED TO THE STRUCTURE WITHIN THE LIMITS OF THE CLEANING AND PAINTING SHALL ALSO BE CLEANED AND PAINTED WITH THE EXCEPTION OF SIGNS AND NAVIGATION LIGHTS. SIGNS SHALL BE REMOVED DURING PAINTING IN ORDER TO ADEQUATELY PAINT THE STEEL RAILS AND SHALL BE REPLACED UPON COMPLETION. THE NAVIGATION LIGHTS SHALL BE PROTECTED DURING PAINTING.
  6. UNLESS NOTED OTHERWISE, THE AREAS DESIGNATED TO BE CLEANED AND PAINTED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 AND SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/EU. THE COLOR OF THE FINISH COAT SHALL BE AS SPECIFIED BELOW.
- APPROACH SPANS**
1. THE EXISTING STRINGERS AND DIAPHRAGMS WITHIN 5'-0" OF THE EAST AND WEST ABUTMENTS SHALL BE CLEANED AND PAINTED.
  2. ALL EXISTING TRACK GIRDERS SHALL BE CLEANED AND PAINTED.
  3. THE EXISTING TRACK SPAN FLOOR BEAMS LOCATED AT THE JOINTS WITH THE BASCULE AND APPROACH SPANS, ALONG WITH THE EXISTING STRINGERS WITHIN 5'-0" OF THOSE FLOOR BEAMS, SHALL BE CLEANED AND PAINTED.
  4. ALL EXISTING STEEL MEMBERS BELOW BOTH THE TIMBER SIDEWALK DECK AND THE CONCRETE SIDEWALK DECK SHALL BE CLEANED AND PAINTED.
  5. ALL EXISTING ORNAMENTAL HANDRAIL ALONG THE SIDEWALK SHALL BE CLEANED AND PAINTED.
  6. ALL EXISTING INTERIOR METAL RAILINGS ADJACENT TO THE TRACK GIRDERS SHALL BE CLEANED AND PAINTED.
  7. THE COLOR OF THE FINAL FINISH COAT FOR ALL APPROACH SPAN STEEL SHALL BE GREEN, MUNSELL NO. 7.5G 48.
- BASCULE SPAN**
1. ALL EXISTING STRUCTURAL STEEL MEMBERS BELOW THE STEEL GRID DECK SHALL BE CLEANED AND PAINTED, AND THE ENTIRE STEEL GRID DECK SHALL BE CLEANED AND PAINTED AS A BEST EFFORT. THE COLOR OF THE FINAL FINISH COAT SHALL BE GRAY, MUNSELL NO. 5B 71.
  2. ALL EXISTING STEEL MEMBERS BELOW THE TIMBER SIDEWALK DECK SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 48.
  3. THE EXISTING LOWER CHORD ABOVE AND BELOW THE DECK LEVEL SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 48.
  4. THE EXISTING LOWER CHORD GUSSET PLATES ABOVE AND BELOW THE DECK LEVEL, INCLUDING PORTIONS OF VERTICAL AND DIAGONAL MEMBERS AND MISCELLANEOUS STEEL CONNECTED TO THE GUSSETS, SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 48.
  5. ALL EXISTING ORNAMENTAL HANDRAIL ALONG THE SIDEWALK SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 48.
- MISCELLANEOUS AREAS**
1. ALL EXISTING WALKWAY FRAMING AND HANDRAILS TO THE GENERATOR LOCATED IN THE SOUTHEAST CORNER OF THE STRUCTURE SHALL BE CLEANED AND PAINTED. AS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL, STORAGE, PROTECTION AND RE-INSTALLATION OF THE EXISTING GALVANIZED CHAIN LINK DURING CLEANING AND PAINTING OPERATIONS. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 48.
  2. THE GENERATOR SHALL BE CLEANED PER HAND TOOL CLEANING SSPC-SP2 OR POWER TOOL CLEANING SSPC-SP3 AS DIRECTED BY THE ENGINEER AND SHALL RECEIVE A FINAL FINISH COAT ONLY. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 48.
  3. ON THE BRIDGE TENDER HOUSE, THE EXTERIOR DOORS/JAMBS AND ANY WINDOW TRIM WHICH IS ALREADY PAINTED GREEN SHALL BE CLEANED PER HAND TOOL CLEANING SSPC-SP2 OR POWER TOOL CLEANING SSPC-SP3 AS DIRECTED BY THE ENGINEER AND SHALL RECEIVE A FINAL FINISH COAT ONLY. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 48.



USER NAME : rjgell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE : 2.0000 / 1" =	CHECKED -	REVISED -
PLOT DATE : 10/9/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES  
AND GENERAL NOTES FOR PAINT  
STRUCTURE NUMBER: 099-0101

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	2
CONTRACT NO. 62B38			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				URBAN 100% STATE BRIDGE 0014 S. N. 099-0166
67000400	ENGINEER'S FILED OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
X 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	150	150
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	27.3	27.3
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1

9 \*specialty items

**COLLINS ENGINEERS**

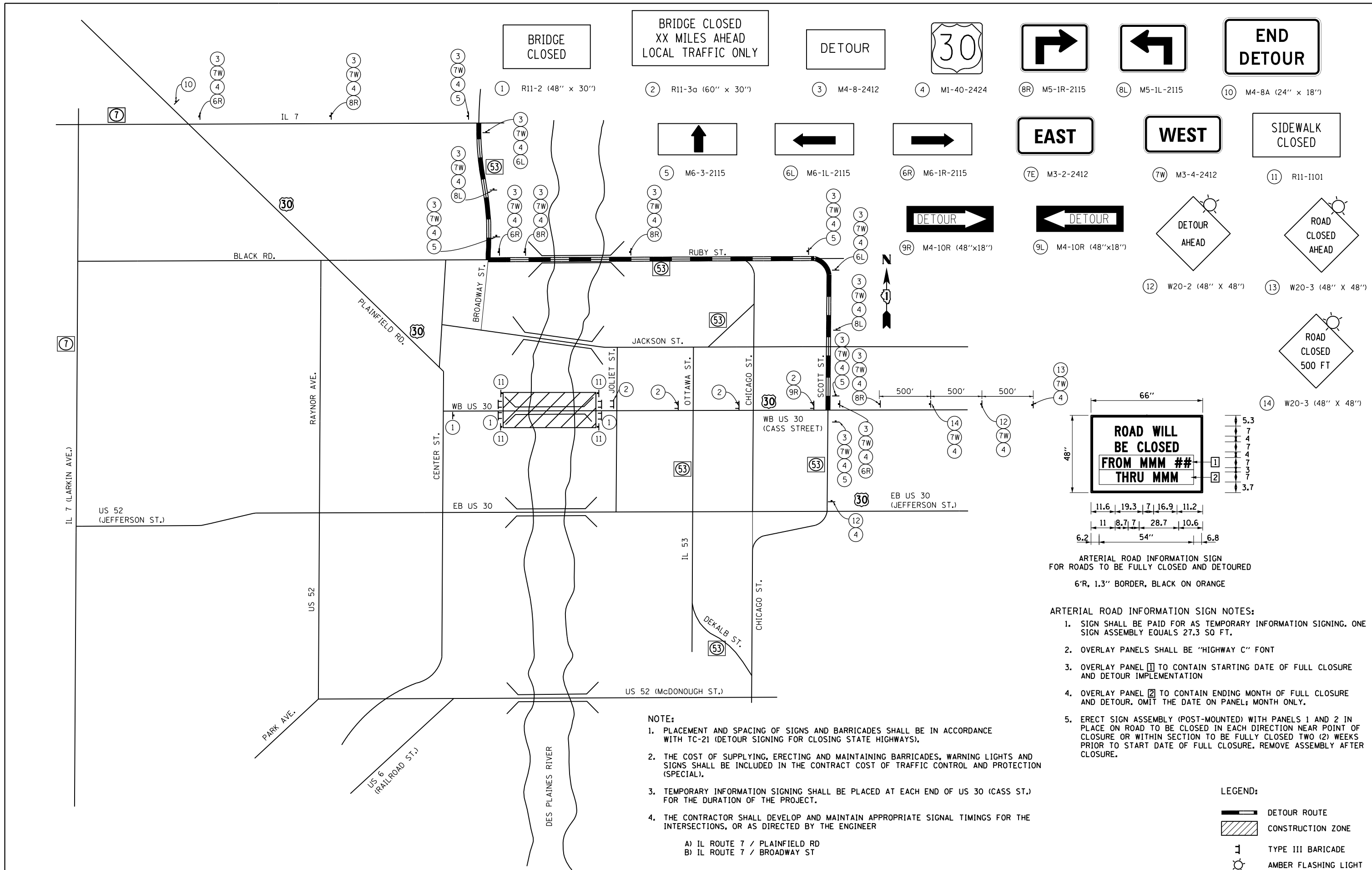
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PLOT DATE = 10/6/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
STRUCTURE NUMBER: 099-0101**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(C-R) BP	WILL	45	3
			CONTRACT NO. 62838	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



**BRIDGE CLOSED**

**BRIDGE CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY**

**DETOUR**

30

**EAST**

**WEST**

**END DETOUR**

1 R11-2 (48" x 30")    2 R11-3a (60" x 30")    3 M4-8-2412    4 M1-40-2424    8R M5-1R-2115    8L M5-1L-2115    10 M4-8A (24" x 18")

**↑**    **←**    **→**

5 M6-3-2115    6L M6-1L-2115    6R M6-1R-2115    7E M3-2-2412    7W M3-4-2412    11 R11-1101

**DETOUR** →    ← **DETOUR**

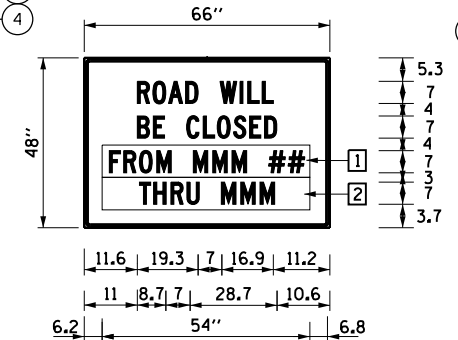
9R M4-10R (48"x18")    9L M4-10L (48"x18")

**DETOUR AHEAD**    **ROAD CLOSED AHEAD**

12 W20-2 (48" x 48")    13 W20-3 (48" x 48")

**ROAD CLOSED 500 FT**

14 W20-3 (48" x 48")



ARTERIAL ROAD INFORMATION SIGN  
FOR ROADS TO BE FULLY CLOSED AND DETOURED  
6'R, 1.3" BORDER, BLACK ON ORANGE

- ARTERIAL ROAD INFORMATION SIGN NOTES:**
- SIGN SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING. ONE SIGN ASSEMBLY EQUALS 27.3 SQ FT.
  - OVERLAY PANELS SHALL BE "HIGHWAY C" FONT
  - OVERLAY PANEL 1 TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION
  - OVERLAY PANEL 2 TO CONTAIN ENDING MONTH OF FULL CLOSURE AND DETOUR. OMIT THE DATE ON PANEL; MONTH ONLY.
  - ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS 1 AND 2 IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

- NOTE:**
- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS).
  - THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND SIGNS SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
  - TEMPORARY INFORMATION SIGNING SHALL BE PLACED AT EACH END OF US 30 (CASS ST.) FOR THE DURATION OF THE PROJECT.
  - THE CONTRACTOR SHALL DEVELOP AND MAINTAIN APPROPRIATE SIGNAL TIMINGS FOR THE INTERSECTIONS, OR AS DIRECTED BY THE ENGINEER
- A) IL ROUTE 7 / PLAINFIELD RD  
B) IL ROUTE 7 / BROADWAY ST

**LEGEND:**

DETOUR ROUTE

CONSTRUCTION ZONE

TYPE III BARRICADE

AMBER FLASHING LIGHT



USER NAME = rge11	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/6/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR PLAN</b>			
<b>US 30 WB (CASS STREET) - S.N. 099-0101</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	4
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



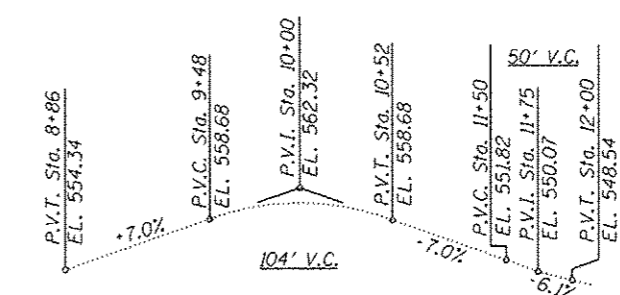
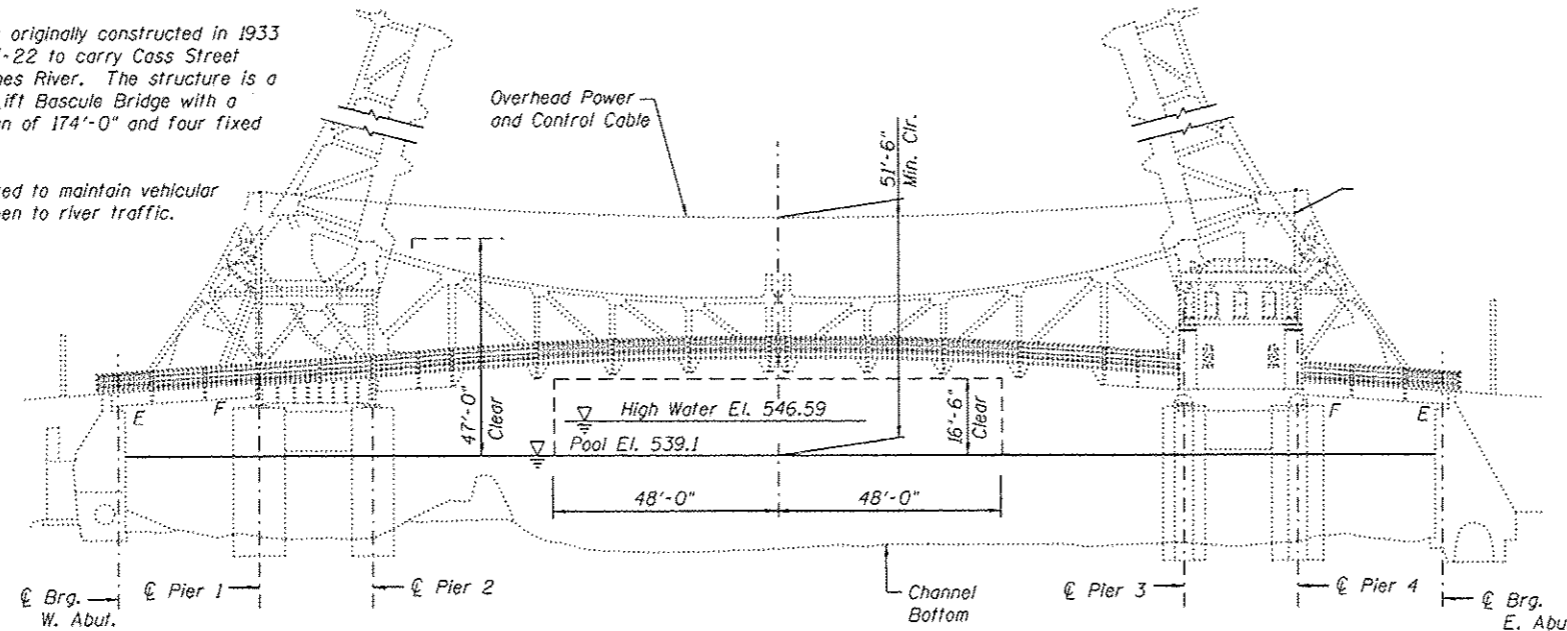
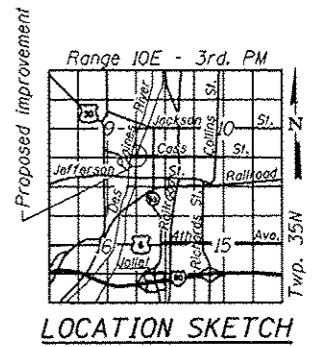
Bench Mark: Brass disk in concrete wall (M.S.L. Elev. 544.578) at Sta. 9+42 Left ±316', IL Waterway BM #288.2

Existing Structure: S.N. 099-0101 was originally constructed in 1933 under Section SBI-22 to carry Cass Street over the Des Plaines River. The structure is a Scherzer Rolling Lift Bascule Bridge with a main moveable span of 174'-0" and four fixed approach spans.

An assigned detour route will be utilized to maintain vehicular traffic, but the channel will remain open to river traffic.

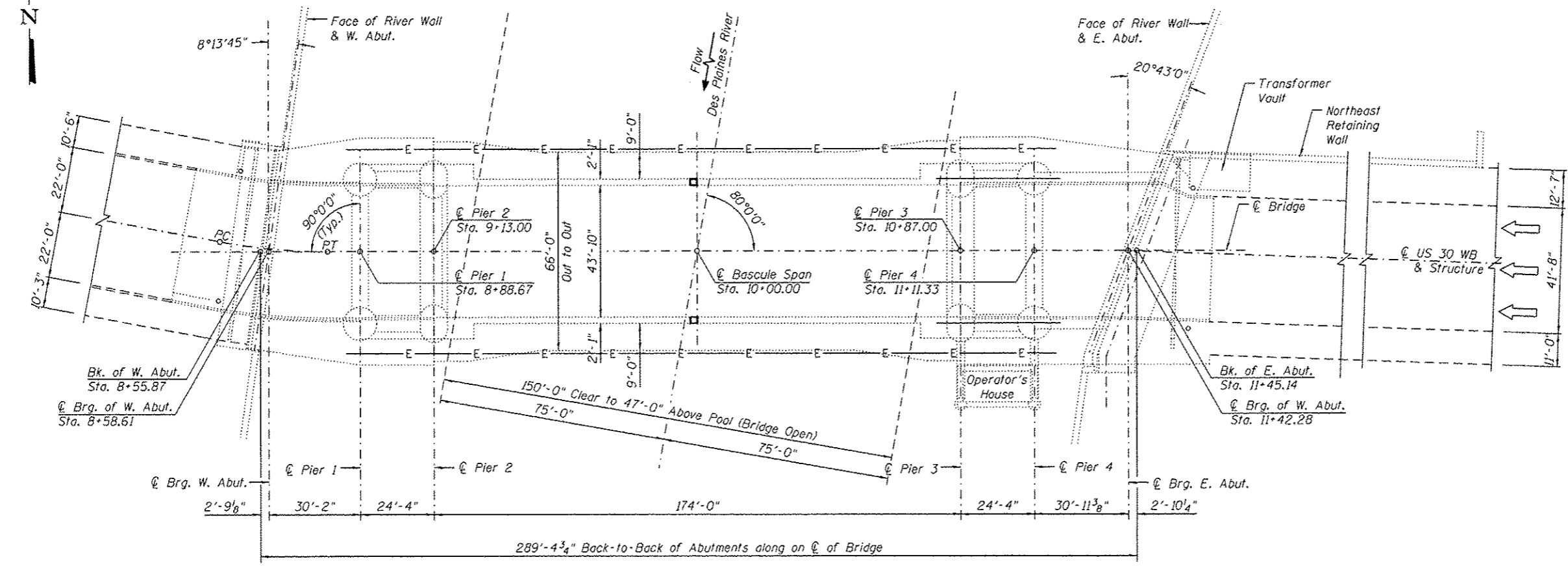
**CURVE DATA**

P.C. = Sta. 8+42.18  
P.I. = Sta. 8+60.10  
P.T. = Sta. 8+77.92  
Δ = 10°43'15"  
D = 30°  
R = 190.99'  
T = 17.92'  
L = 35.74'  
E = 0.84'



**PROFILE GRADE**  
(Along Centerline of Cass Street)

**ELEVATION**



**PLAN**



USER NAME :	DESIGNED - DMM	REVISED -
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PLOT DATE :	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

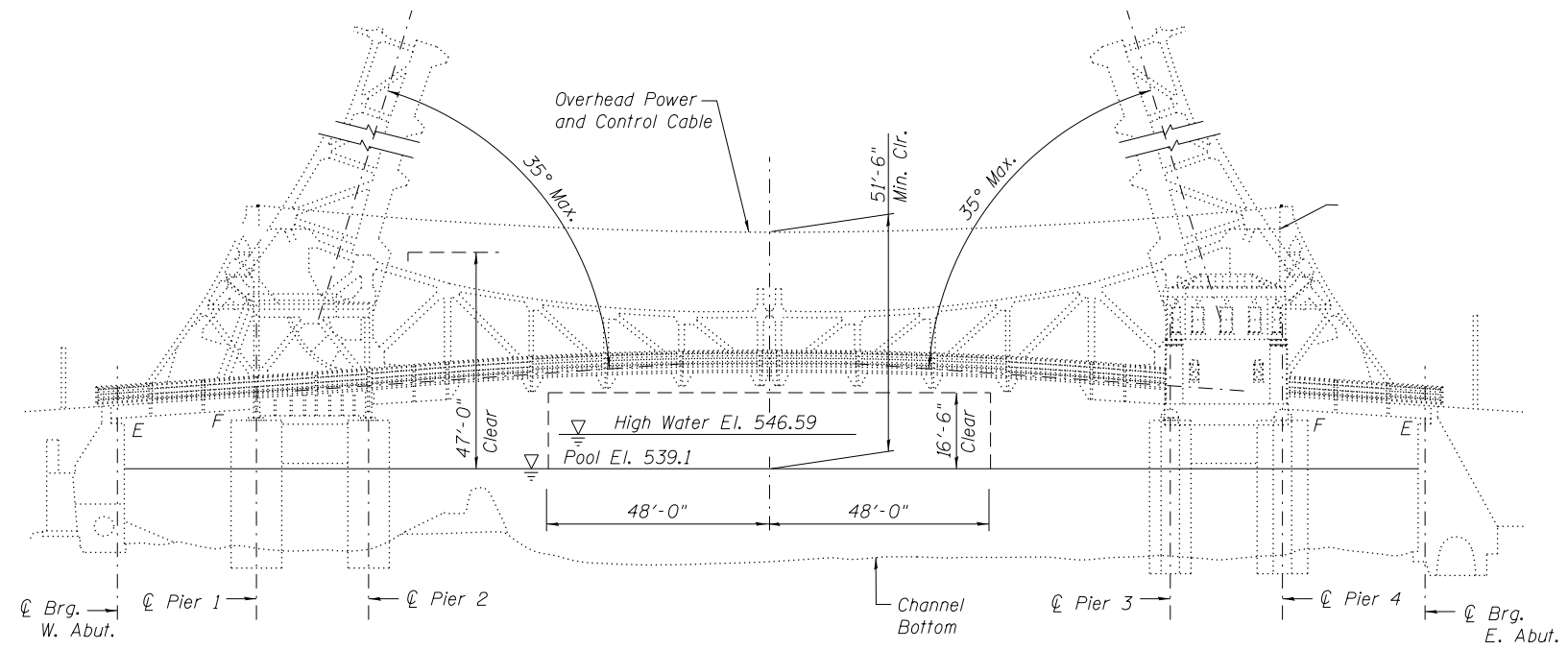
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
STRUCTURE NO. 099-0101  
SHEET NO. 51 OF 540 SHEETS

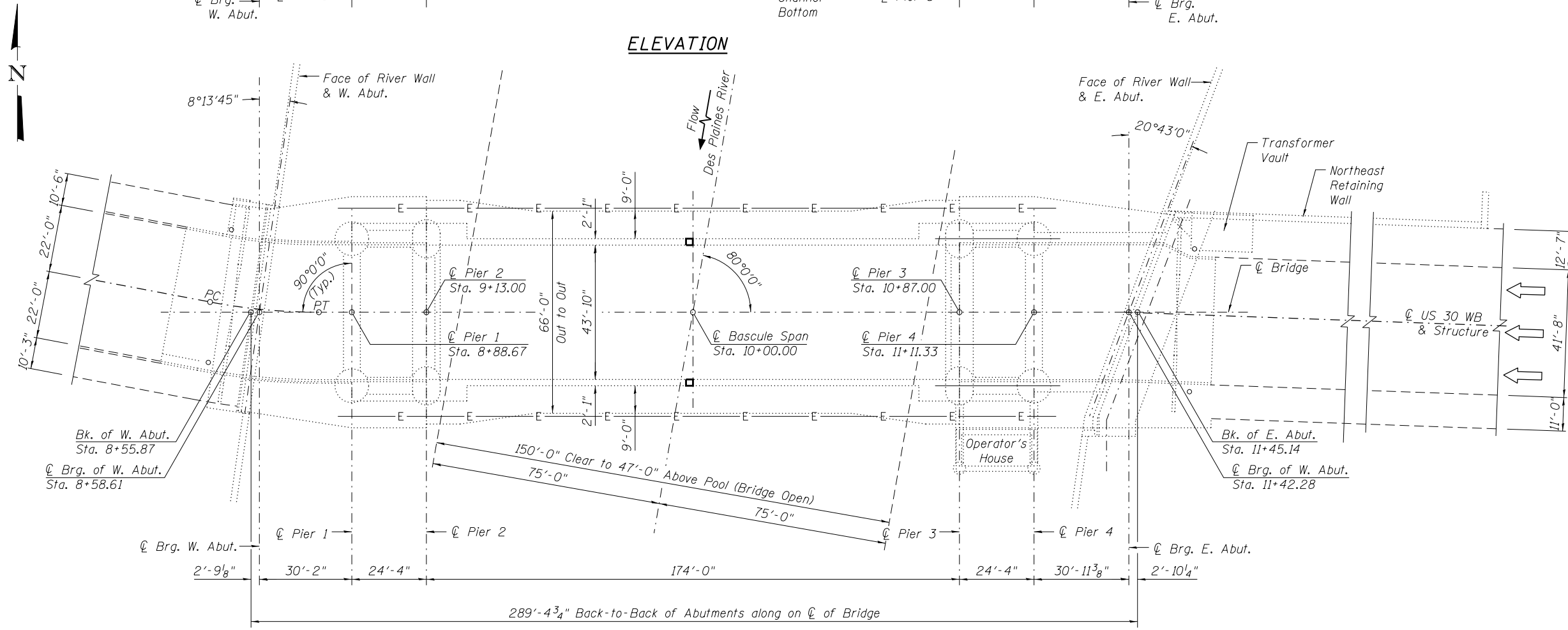
F.A.P. RTE. 607	SECTION (G-R) BP	COUNTY WILL	TOTAL SHEETS 45	SHEET NO. 5
			CONTRACT NO. 62B38	
[ILLINOIS] FED. AID PROJECT				

**BRIDGE PAINTING NOTES:**

- The maximum raised bridge position for the bridge while it is wrapped for containment during blasting and painting operations is 35°. The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system. See Special Provisions.



**ELEVATION**



**PLAN**

**COLLINS ENGINEERS**

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	CHECKED - JMS	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

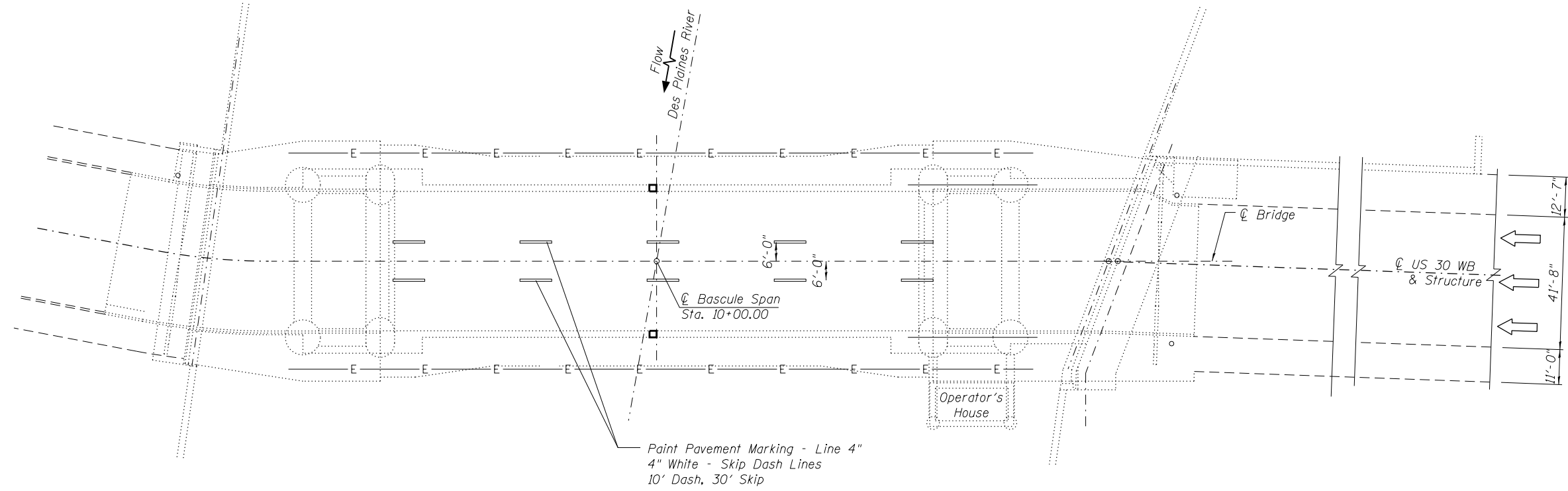
**GENERAL PLAN AND ELEVATION  
STRUCTURE NO. 099-0101**

SHEET NO. S2 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	6
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				

BRIDGE PAINTING NOTES:

1. Pavement Markings to be replaced over Bridge Deck.



**COLLINS**  
ENGINEERS<sub>PC</sub>

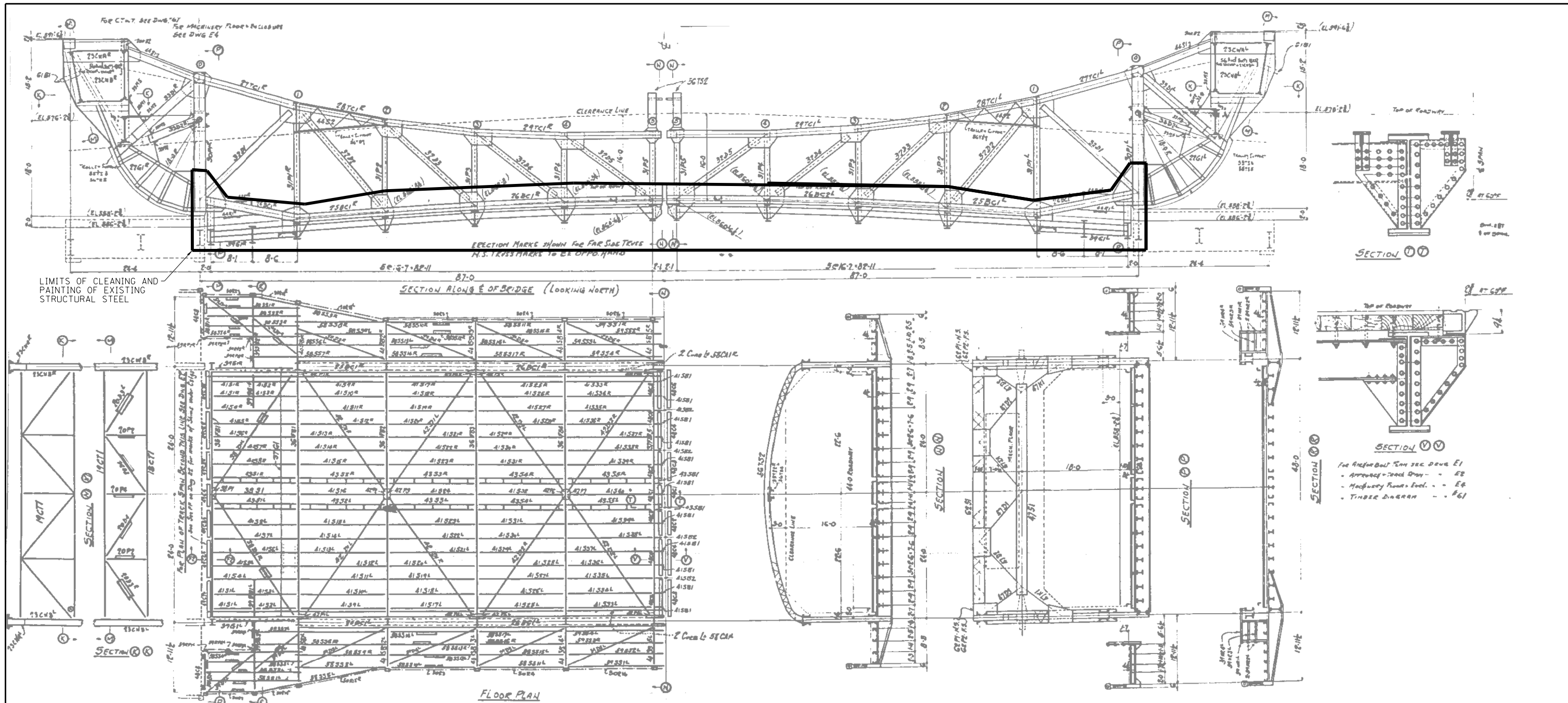
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PLOT DATE =	CHECKED - JMS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN**  
**STRUCTURE NO. 099-0101**

SHEET NO. S2A OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	6A
CONTRACT NO. 62B38			ILLINOIS FED. AID PROJECT	



**PAINTING NOTES:**

1. ALL EXISTING STRUCTURAL STEEL MEMBERS BELOW THE STEEL GRID DECK SHALL BE CLEANED AND PAINTED, AND THE ENTIRE STEEL GRID DECK SHALL BE CLEANED AND PAINTED AS A BEST EFFORT. THE COLOR OF THE FINAL FINISH COAT SHALL BE GRAY, MUNSELL NO. 5B 7/1.
2. ALL EXISTING STEEL MEMBERS BELOW THE TIMBER SIDEWALK DECK SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.
3. THE EXISTING LOWER CHORD ABOVE AND BELOW THE DECK LEVEL SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.
4. THE EXISTING LOWER CHORD GUSSET PLATES ABOVE AND BELOW THE DECK LEVEL, INCLUDING PORTIONS OF VERTICAL AND DIAGONAL MEMBERS AND MISCELLANEOUS STEEL CONNECTED TO THE GUSSETS, SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.
5. ALL EXISTING ORNAMENTAL HANDRAIL ALONG THE SIDEWALK SHALL BE CLEANED AND PAINTED. THE COLOR OF THE FINAL FINISH COAT SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.

**COLLINS ENGINEERS**

USER NAME =	DESIGNED - DMM	REVISED -
	CHECKED - JMS	REVISED -
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE	CHECKED - JMS	REVISED -

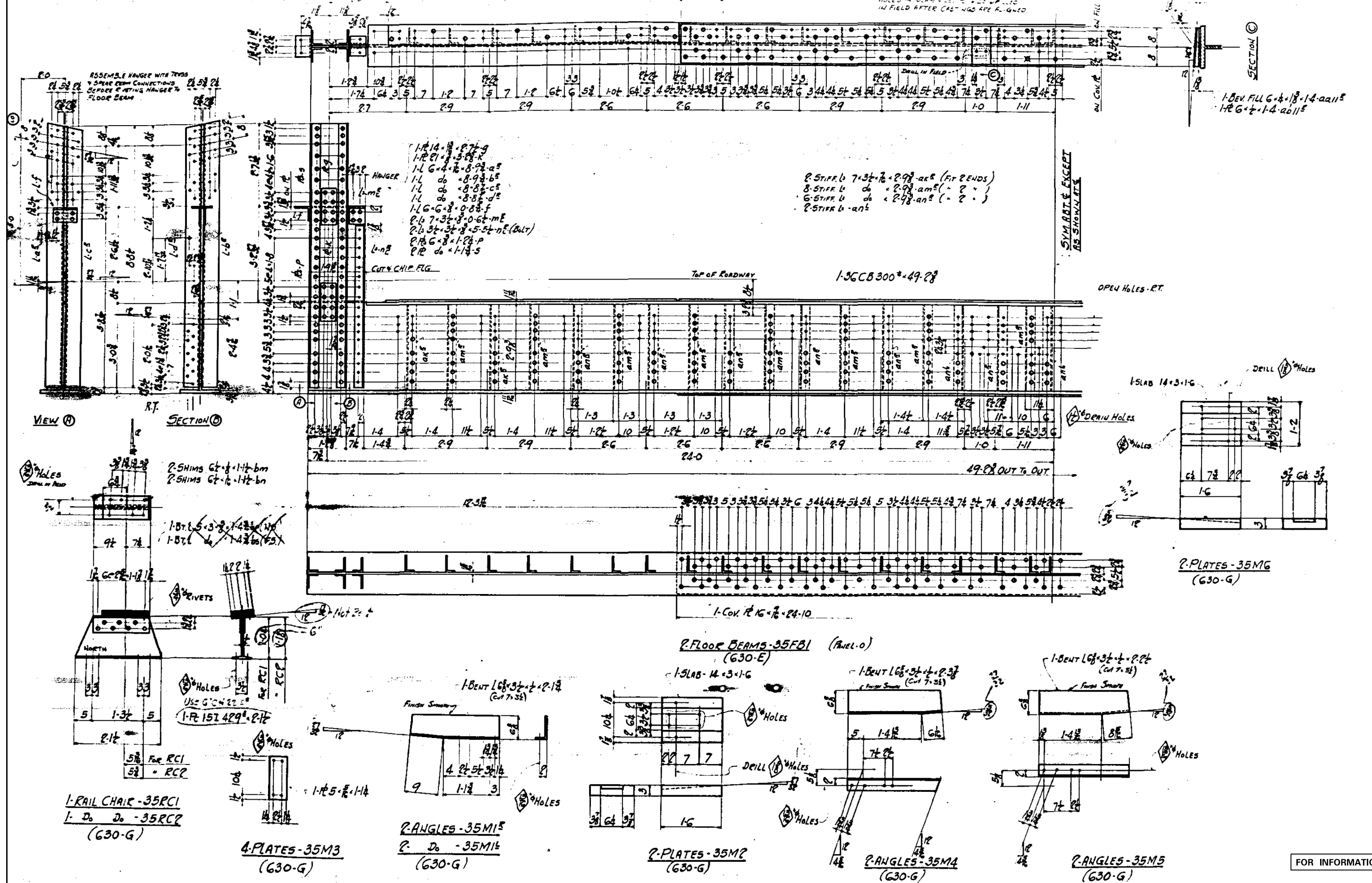
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BASCULE SPAN FRAMING PLAN  
STRUCTURE NO. 099-0101**

SHEET NO. S3 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	7
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				

HOLES IN BEAM TO BE DRILLED IN FIELD AFTER CASTING ARE A-G-60



FOR INFORMATION ONLY

**COLLINS ENGINEERS**

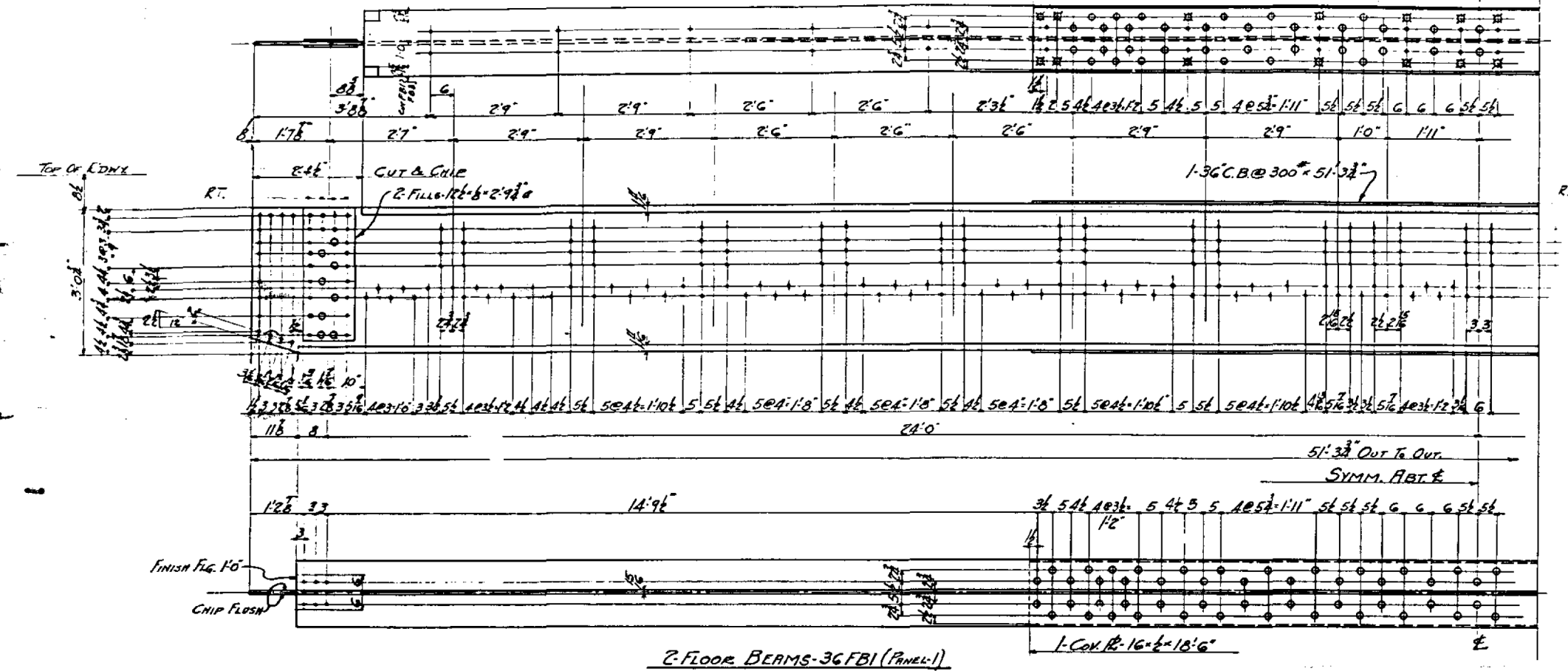
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PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE FLOOR BEAMS I  
STRUCTURE NO. 099-0101

SHEET NO. 54 OF 540 SHEETS

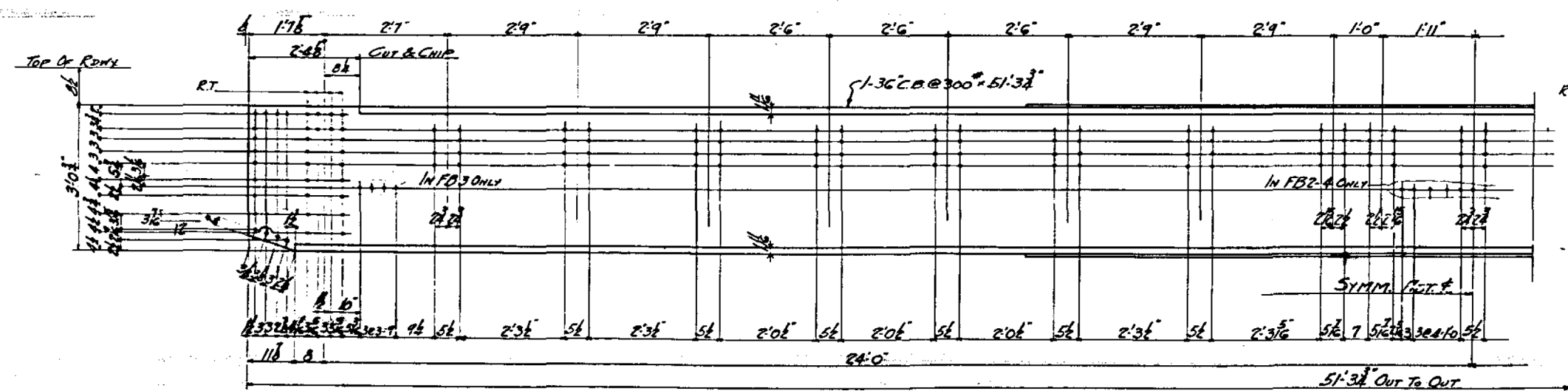
F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	8
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



54	1.54	5	1.54	52	For 51
57	2.34	5	2.34	52	52
61	2.04	5	2.1	52	202 53
64	2.34	5	2.4	5	47 54
			4.24		51
			5.84		52
			7.54		53
			6.04		54

4-5HMS-3651 (For Castings 400-A)  
 8-D-3652 (- 4001-5)  
 8-D-3653 (- 4002-C)  
 8-D-3654 (- 4003-7)

TOP VIEW SAME AS FOR FB1

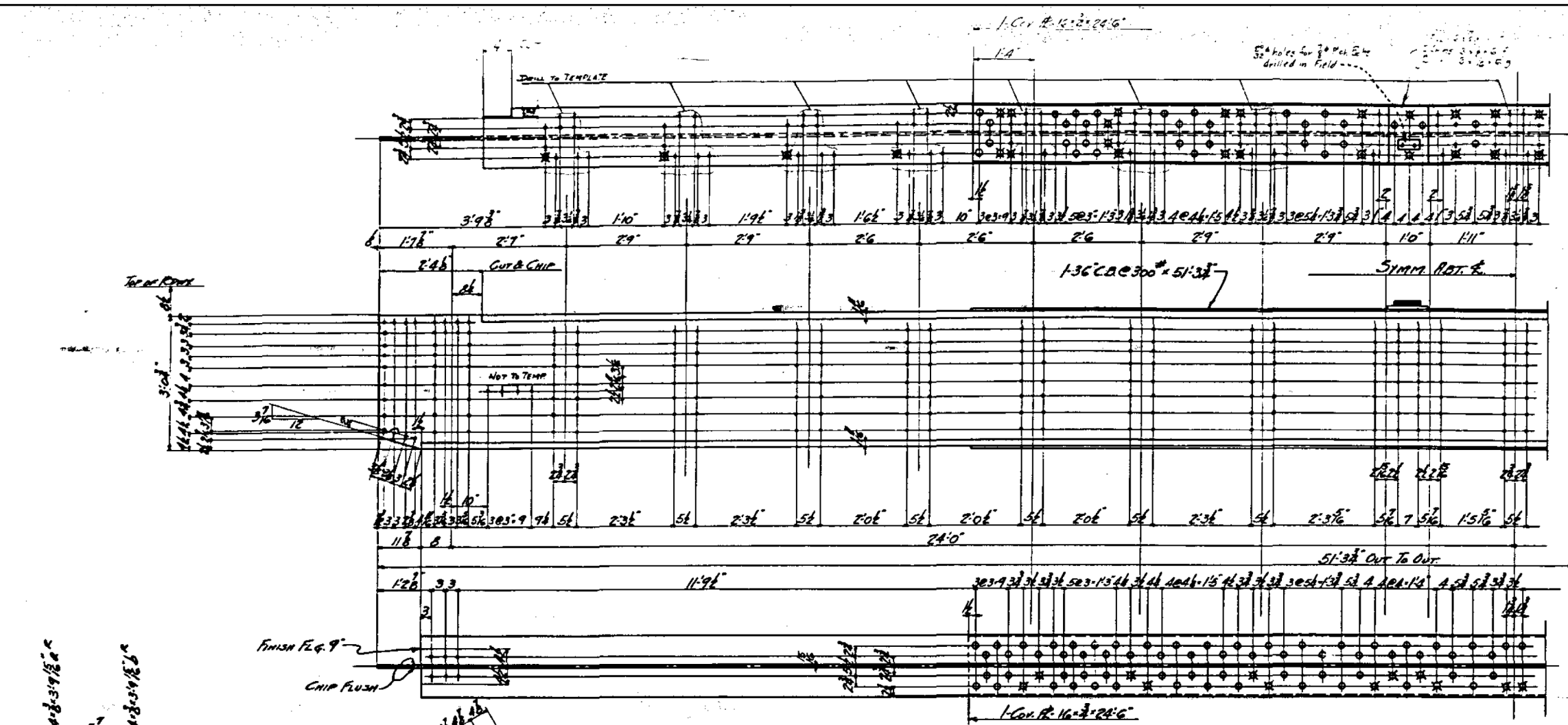


BOTTOM SECTION SAME AS FOR FB1

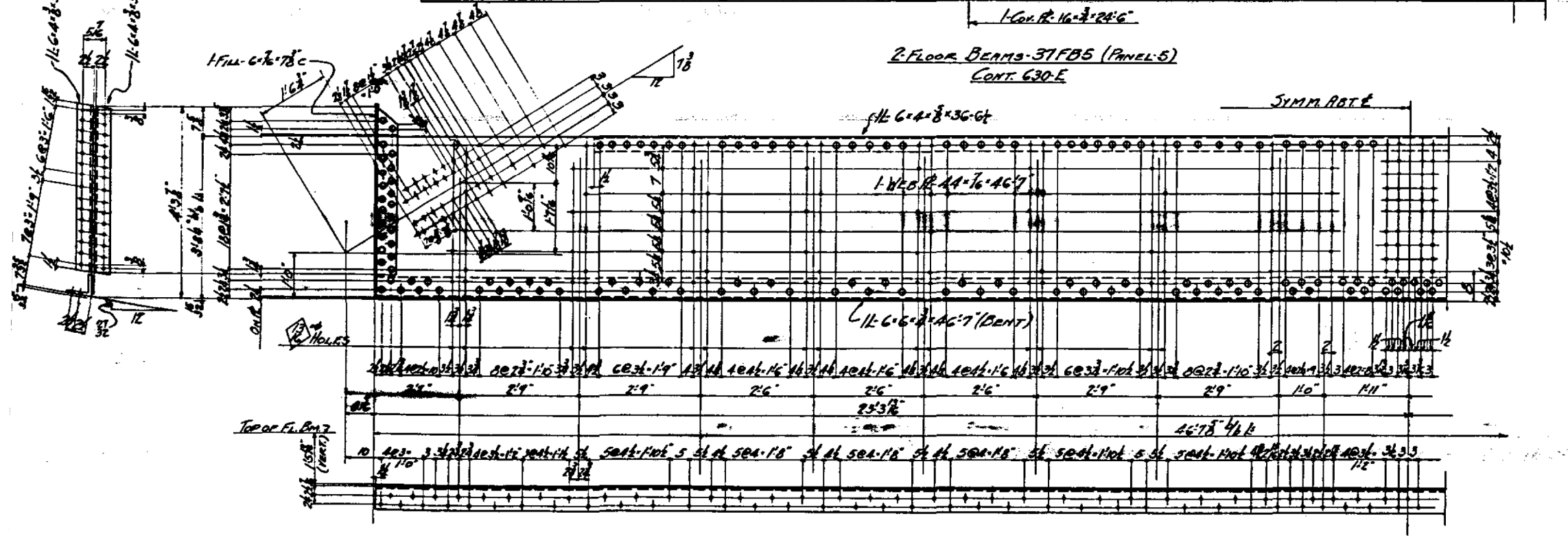
2-FLOOR BEAMS-36FB2 (PANEL 2)  
 2- do do -36FB3 (. 3)  
 2- do do -36FB4 (. 4)

FOR INFORMATION ONLY





2 FLOOR BEAMS-37FB5 (PANEL 5)  
CONT. 630-E



2 HORIZONTAL GIRDERS-37G1 (CONT. 630-A)

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

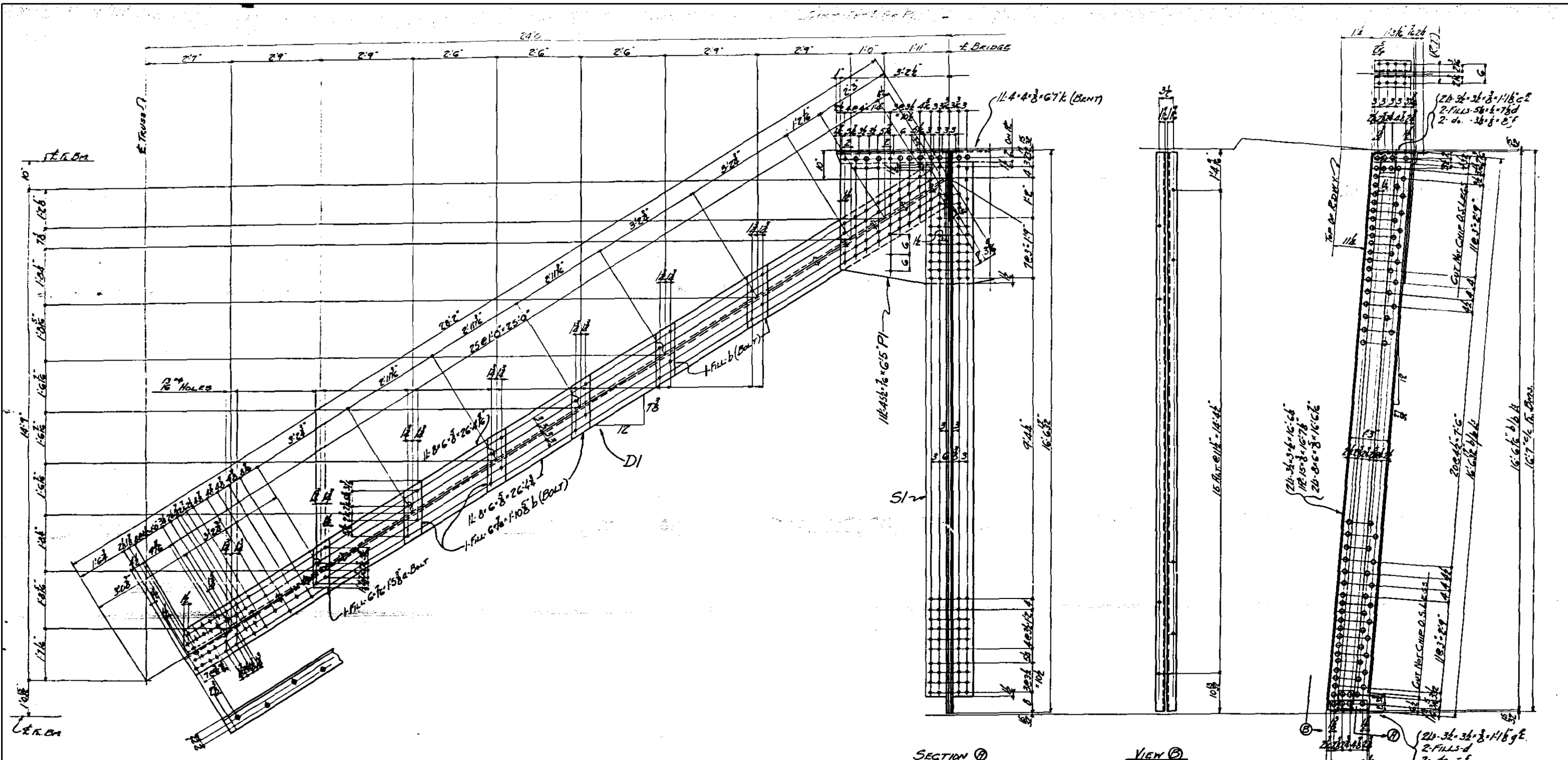
USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE FLOOR BEAMS & GIRDERS  
STRUCTURE NO. 099-0101

SHEET NO. 56 OF 540 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	10
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



- 2- DIAGONALS - 38 DI<sup>R</sup>
- 2- da - 38 DI<sup>L</sup>
- 2- STRUTS - 38 S1
- 2- PLATES - 38 PI

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

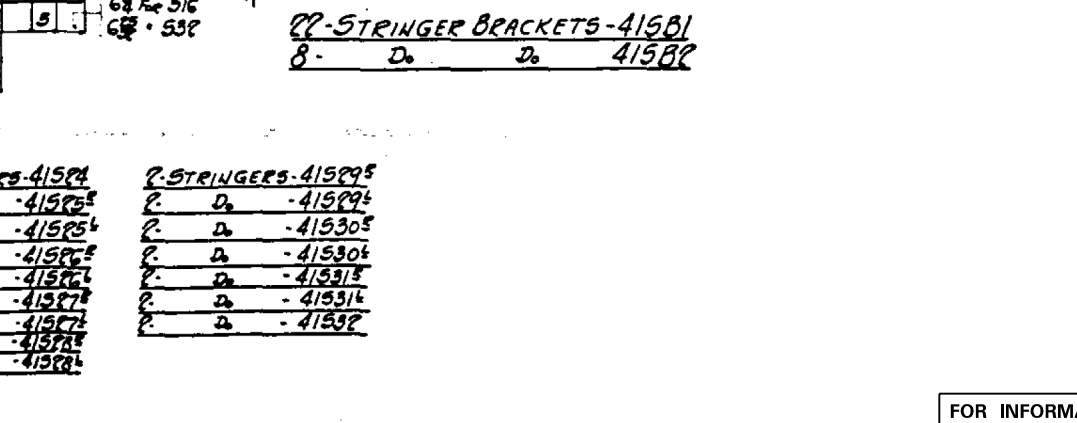
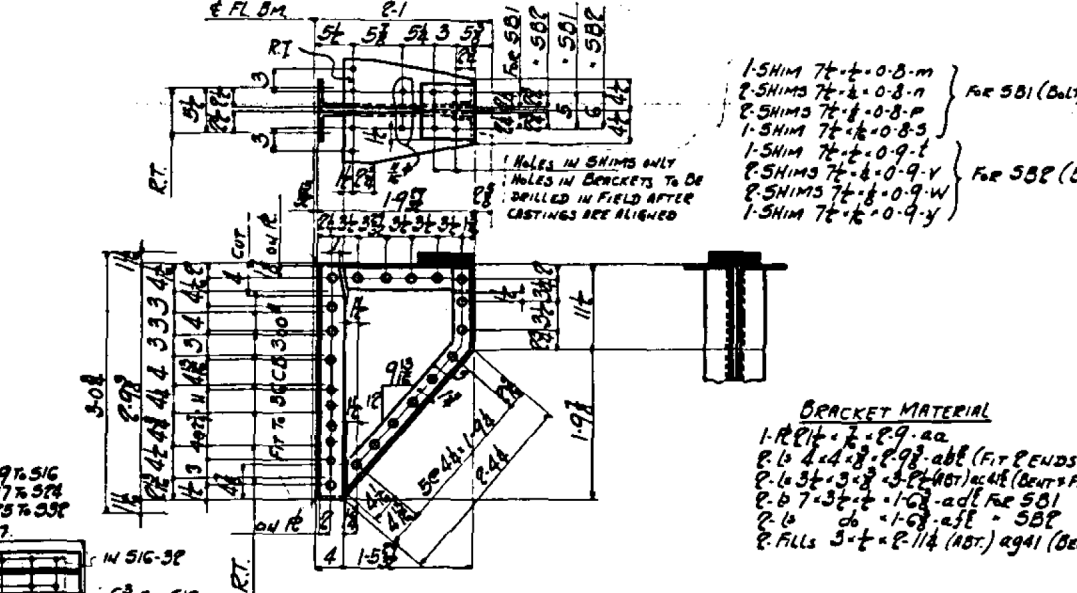
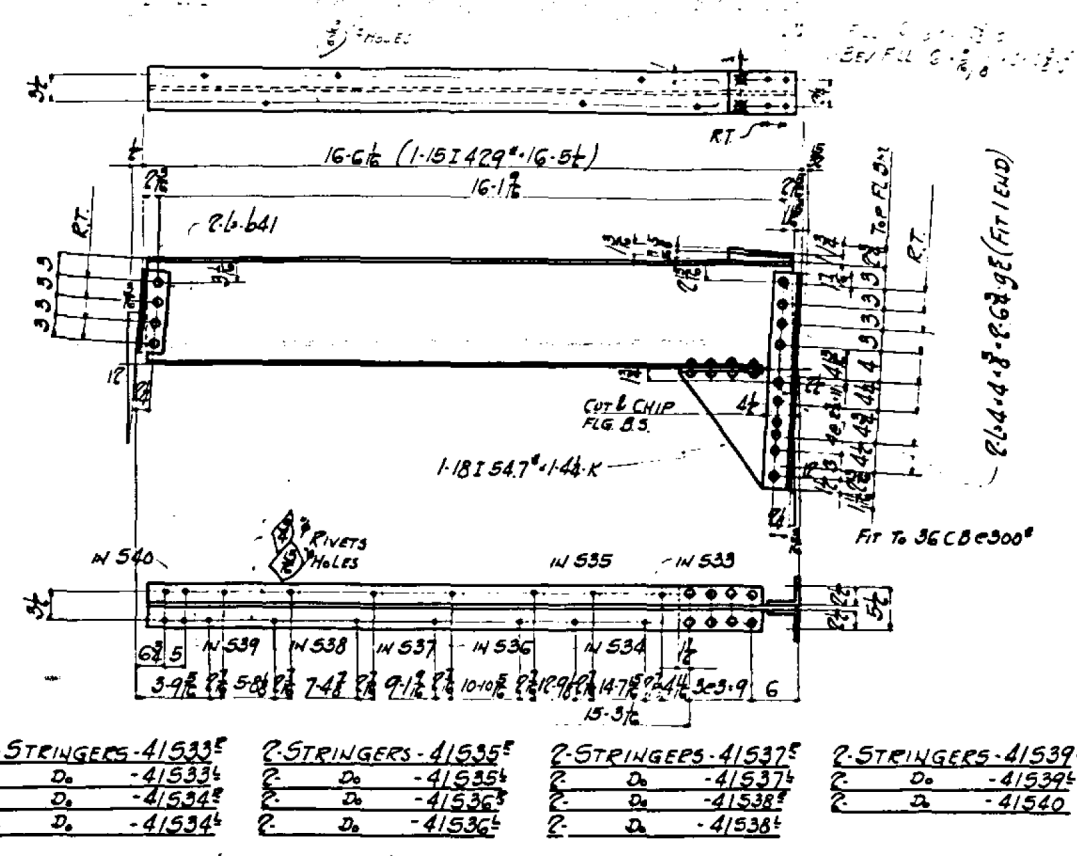
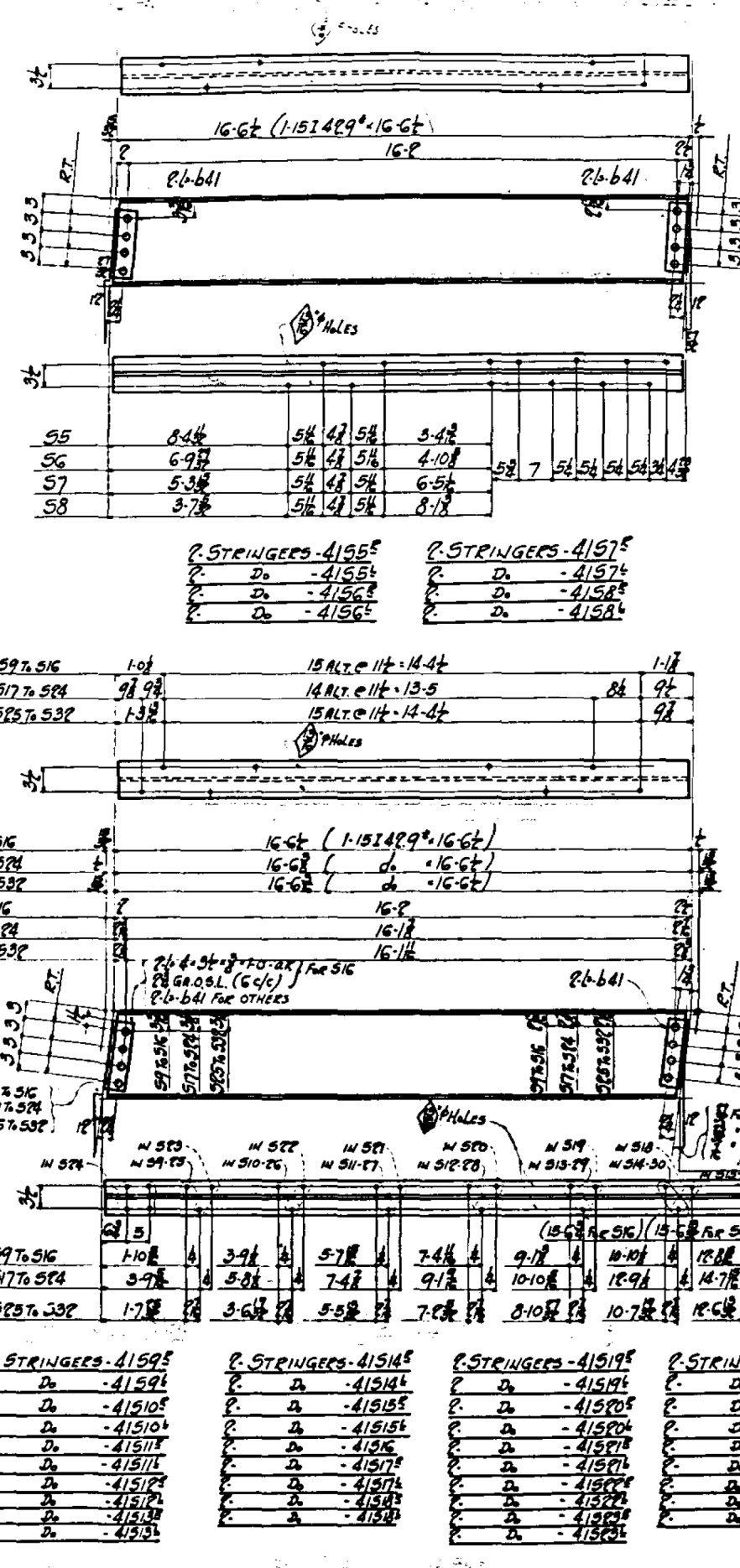
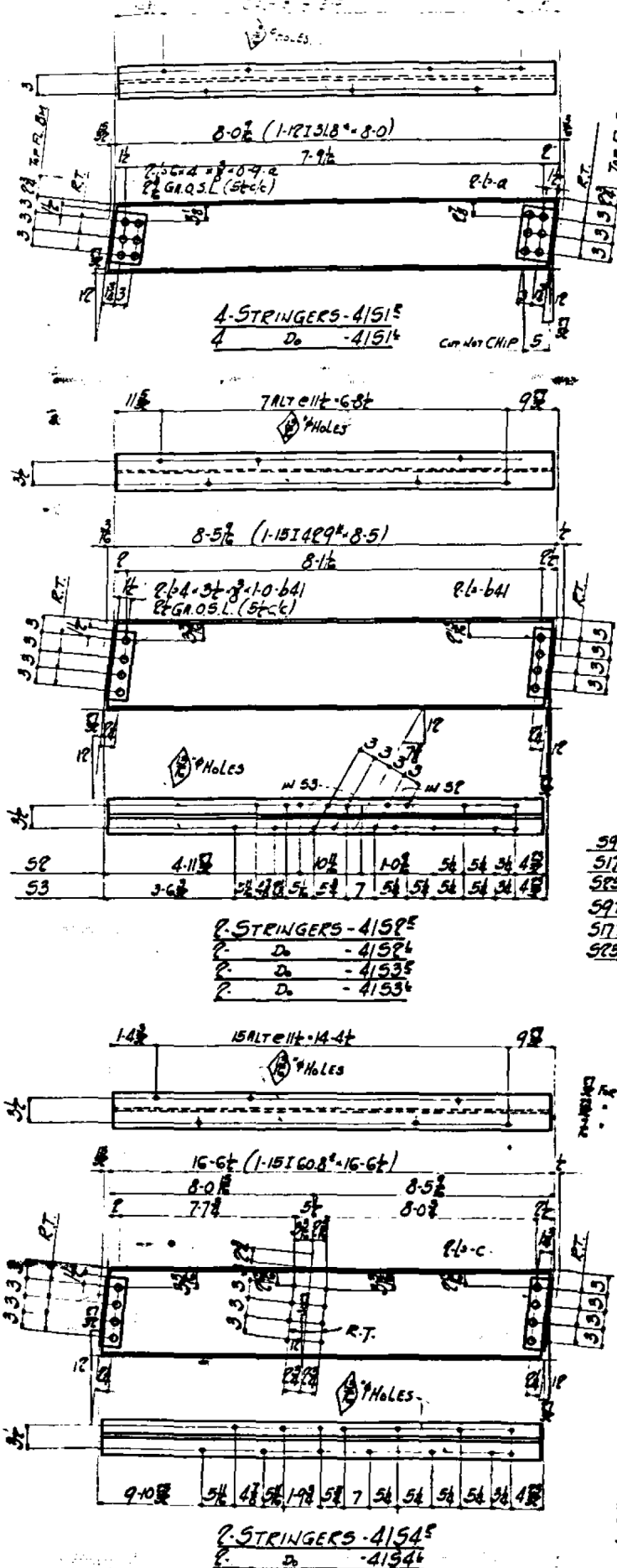
USER NAME =	DESIGNED - DMM	REVISED -
	CHECKED - JMS	REVISED -
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN STRINGERS AND LATERAL SUPPORTS  
STRUCTURE NO. 099-0101

SHEET NO. 57 OF 540 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	11
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				



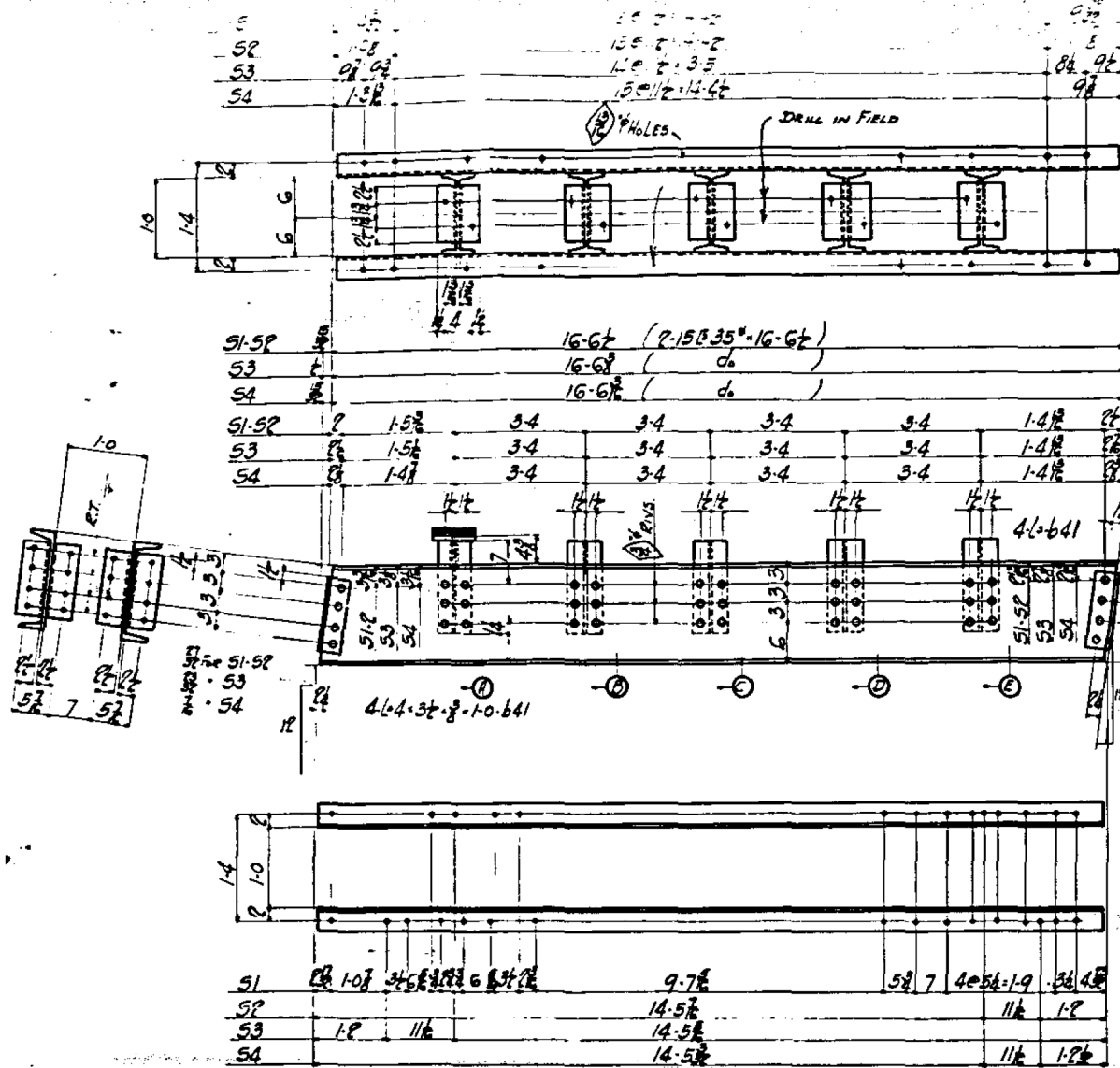
2-1/4 x 3/8 x 10-C  
2-1/4 GR.O.S.L. (5+5)

1-SHIM 7/8 x 1/2 x 0-8-m  
2-SHIMS 7/8 x 1/2 x 0-8-n  
2-SHIMS 7/8 x 1/2 x 0-8-p  
1-SHIM 7/8 x 1/2 x 0-8-3  
1-SHIM 7/8 x 1/2 x 0-9-t  
2-SHIMS 7/8 x 1/2 x 0-9-y  
2-SHIMS 7/8 x 1/2 x 0-9-w  
1-SHIM 7/8 x 1/2 x 0-9-y

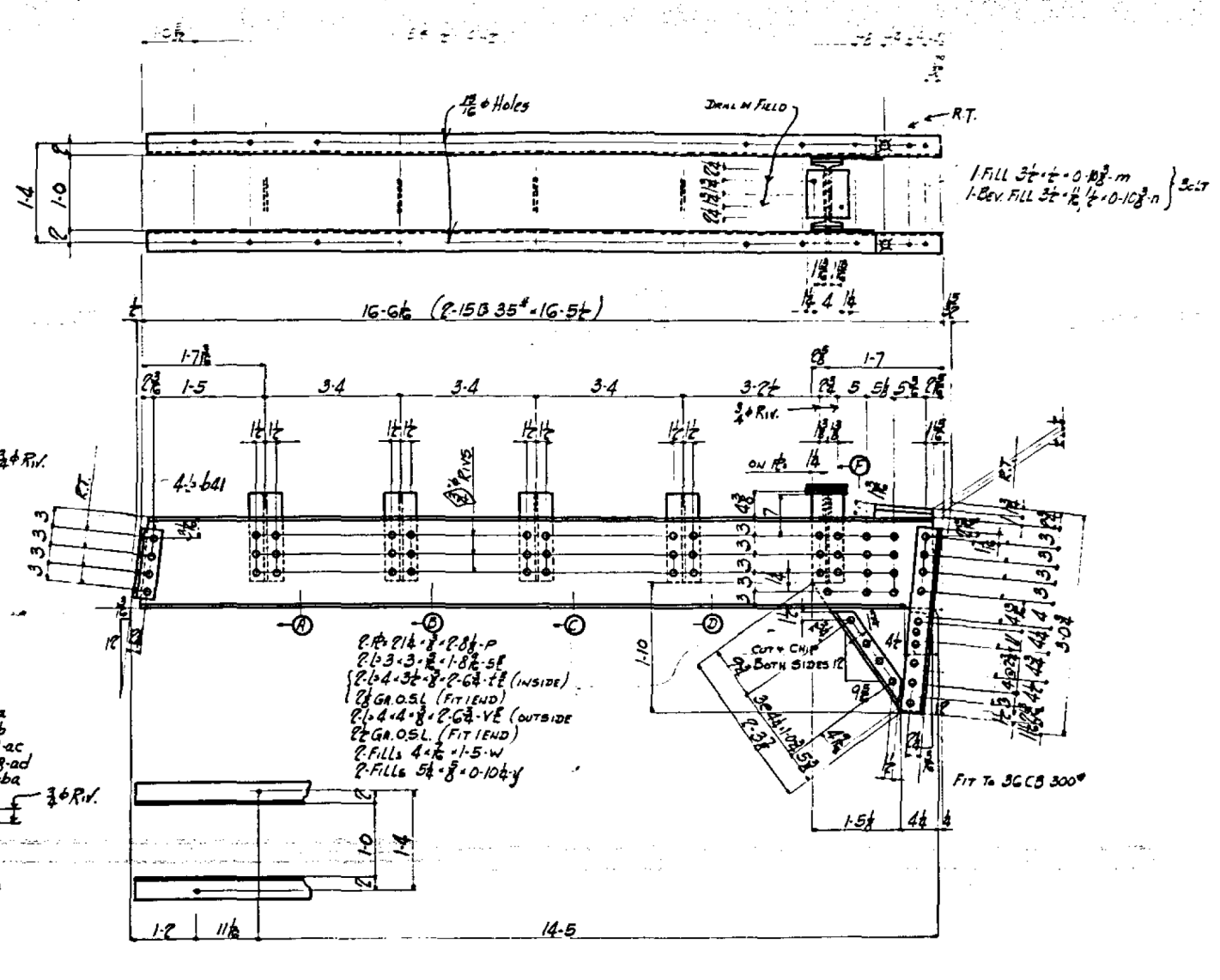
BRACKET MATERIAL  
1-R.P.T. 2-2.9-aa  
2-1/4 x 3/8 x 10-C (FIT ENDS)  
2-1/4 x 3/8 x 10-C (BENT FIT END)  
2-1/4 x 3/8 x 10-C (BENT FIT END)  
2-1/4 x 3/8 x 10-C (BENT FIT END)  
2-1/4 x 3/8 x 10-C (BENT FIT END)  
2-1/4 x 3/8 x 10-C (BENT FIT END)  
2-1/4 x 3/8 x 10-C (BENT FIT END)  
2-1/4 x 3/8 x 10-C (BENT FIT END)

2-STRINGER BRACKETS-415B1  
2 Do Do 415B2

FOR INFORMATION ONLY



DRILL IN FIELD  
 PHOLES  
 1.5 SHIM 7t x 1/2 x 0.4t - ap  
 1.5 SHIM 7t x 1/2 x 0.4t - as  
 1.5 SHIM 7t x 1/2 x 0.4t - at  
 1.5 SHIM 7t x 1/2 x 0.4t - av



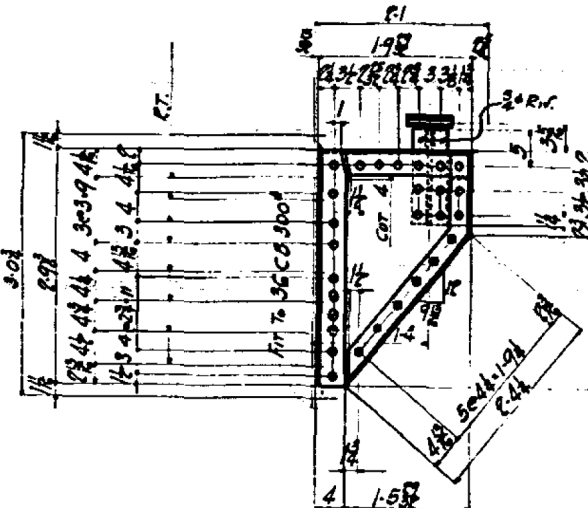
P. TRACK STRINGERS - 4351<sup>E</sup>

P. D <sub>a</sub>	D <sub>a</sub>	- 4351 <sup>E</sup>
P. D <sub>b</sub>	D <sub>b</sub>	- 4352 <sup>E</sup>
P. D <sub>c</sub>	D <sub>c</sub>	- 4352 <sup>E</sup>

P. TRACK STRINGERS - 4353<sup>E</sup>

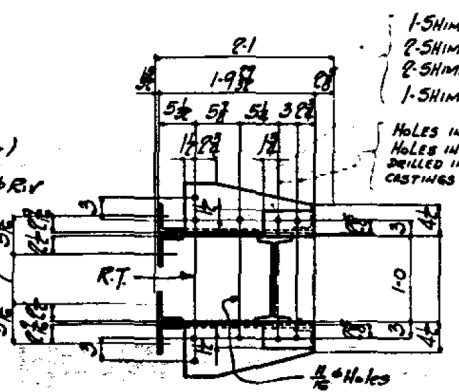
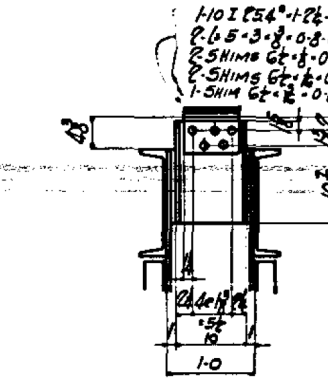
P. D <sub>a</sub>	D <sub>a</sub>	- 4353 <sup>E</sup>
P. D <sub>b</sub>	D <sub>b</sub>	- 4354 <sup>E</sup>
P. D <sub>c</sub>	D <sub>c</sub>	- 4354 <sup>E</sup>

P. TRACK STRINGERS - 4355<sup>E</sup>  
 P. D<sub>a</sub> D<sub>a</sub> - 4355<sup>E</sup>

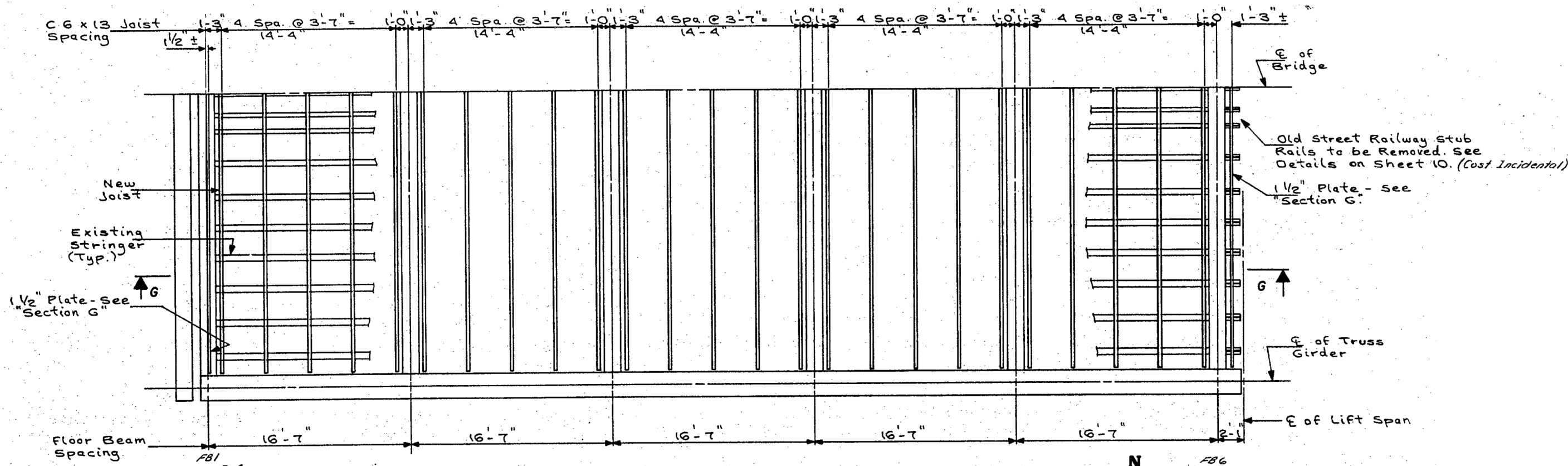


BRACKET MATERIAL  
 P. P<sub>a</sub> 7t x 8 x 2.9 - ag  
 P. P<sub>b</sub> 4 x 4 x 8 x 2.9 - axE (FIT ENDS) (INSIDE)  
 P. P<sub>c</sub> 4 x 4 x 8 x 2.9 - amb (FIT ENDS) (OUTSIDE)  
 P. P<sub>d</sub> 7 x 3 x 1.6 - anE  
 P. P<sub>e</sub> 3 x 3 x 3 - 3-2 (NOT ACCEL (BENT & FIT END))  
 P. Fills 3 x 1/2 x 2.114 (-) agd1 (BENT)

4-STRINGER BRACKETS - 435B1

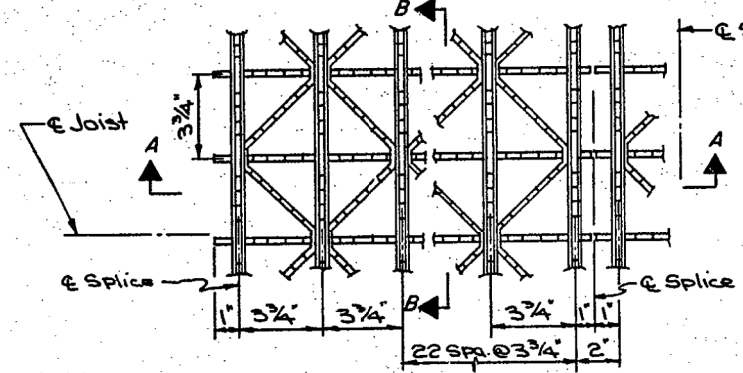


SECTION C

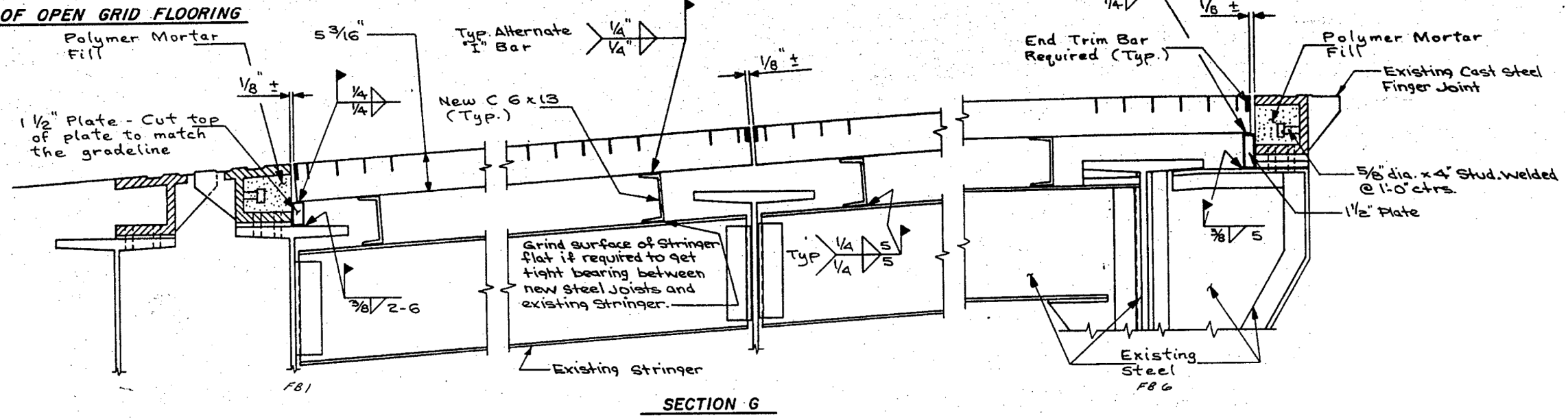
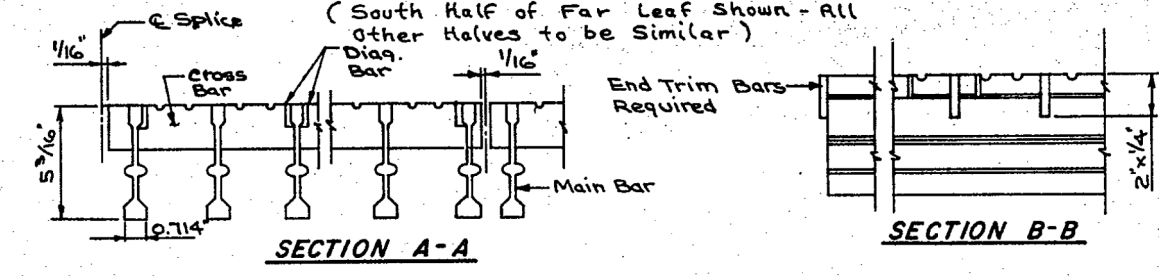


**PART PLAN OF BASCULE SPAN SHOWING NEW GRID JOIST**

(South Half of Far Leaf Shown - All Other Halves to be Similar)



**PLAN OF OPEN GRID FLOORING**



**SECTION G**

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

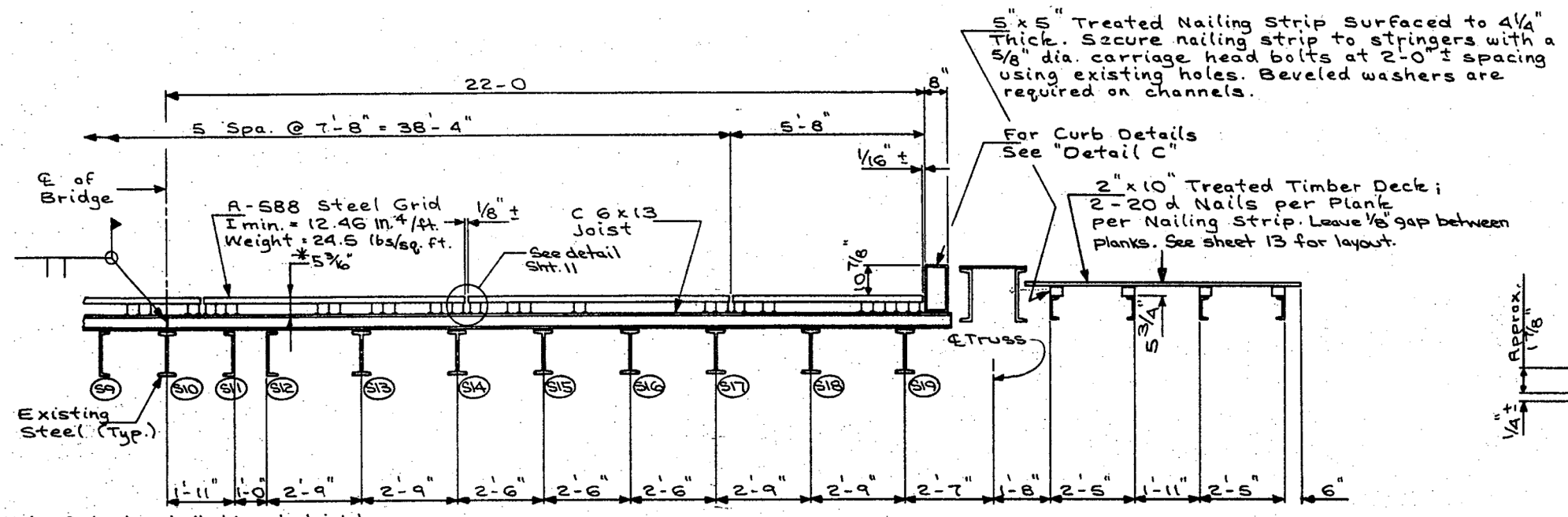
BASCULE SPAN JOISTS I  
STRUCTURE NO. 099-0101

SHEET NO. 510 OF 540 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	14
CONTRACT NO. 62B38				

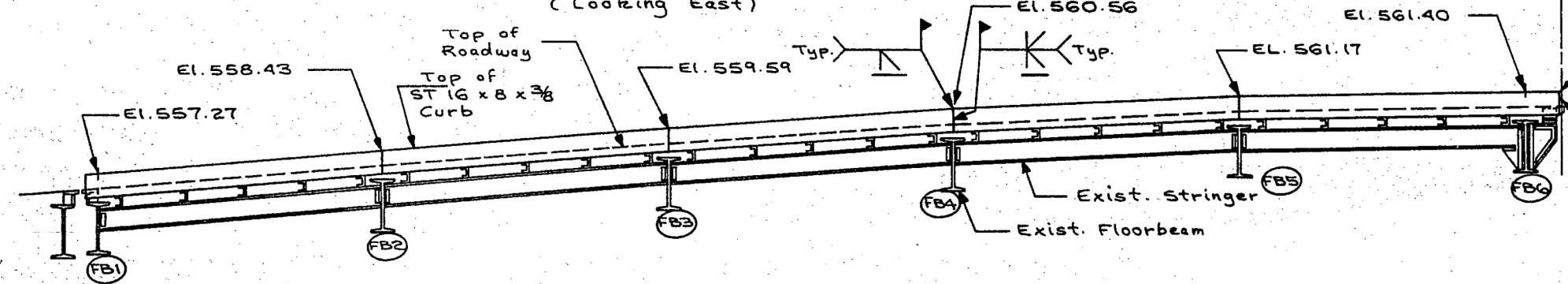
ILLINOIS FED. AID PROJECT



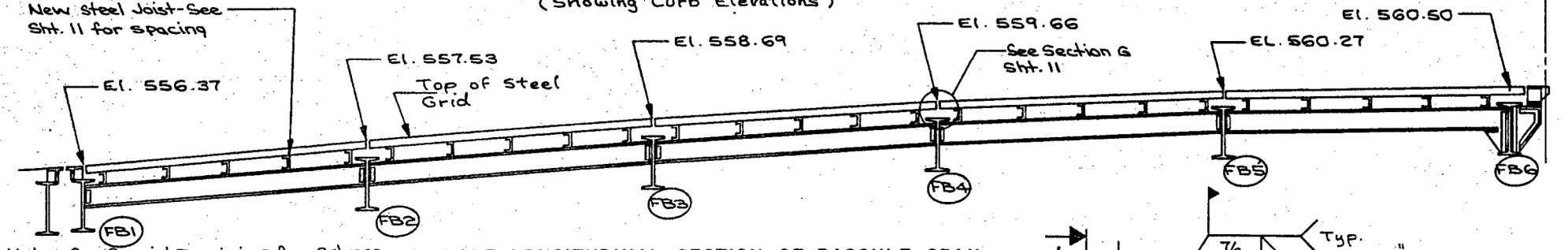


Note: Contractor shall shim steel joist if supplied steel grid is less than proposed shown. Cost of shims is incidental to Open Steel Floor.

**HALF CROSS SECTION THRU BASCULE SPAN**  
(Looking East)

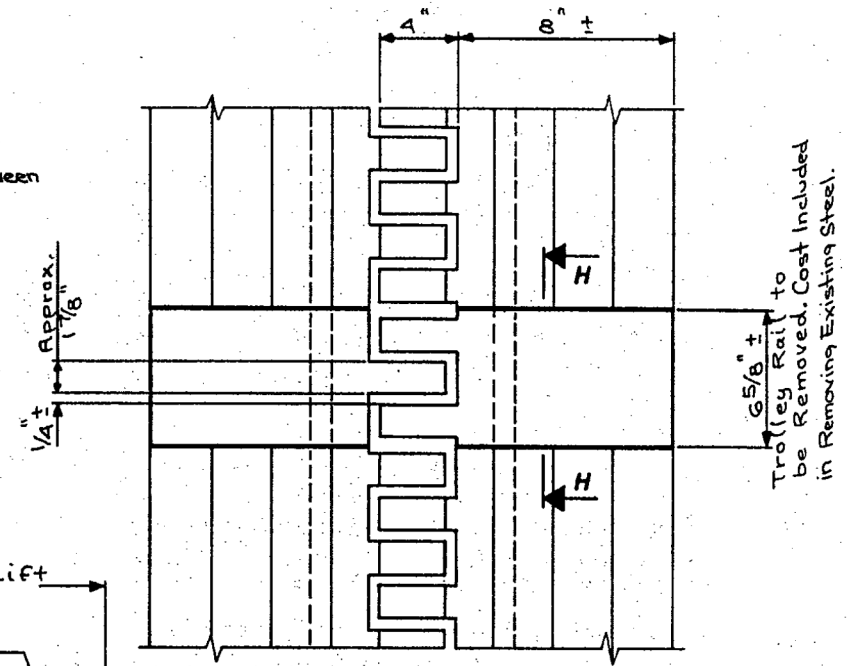


**HALF LONGITUDINAL SECTION OF BASCULE SPAN**  
(Showing Curb Elevations)

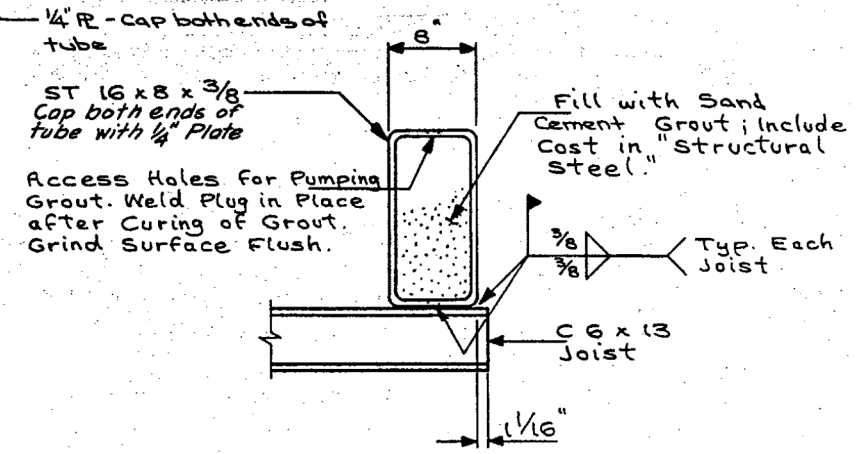


**HALF LONGITUDINAL SECTION OF BASCULE SPAN**  
(Showing Top of Grid Elevations)

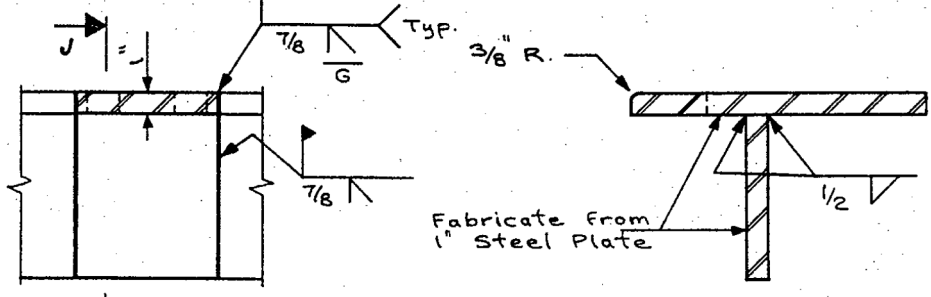
Note: See Special Provisions for Salvage of steel grid and removal of steel. Existing steel joist and shims are welded to stringers. Weld shall be flame cut or sheared off and the surface ground smooth.



**PLAN AT FINGER JOINT**



**DETAIL C**



**SECTION H**

**SECTION J**  
(6 Males Required)  
(6 Females Required)

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

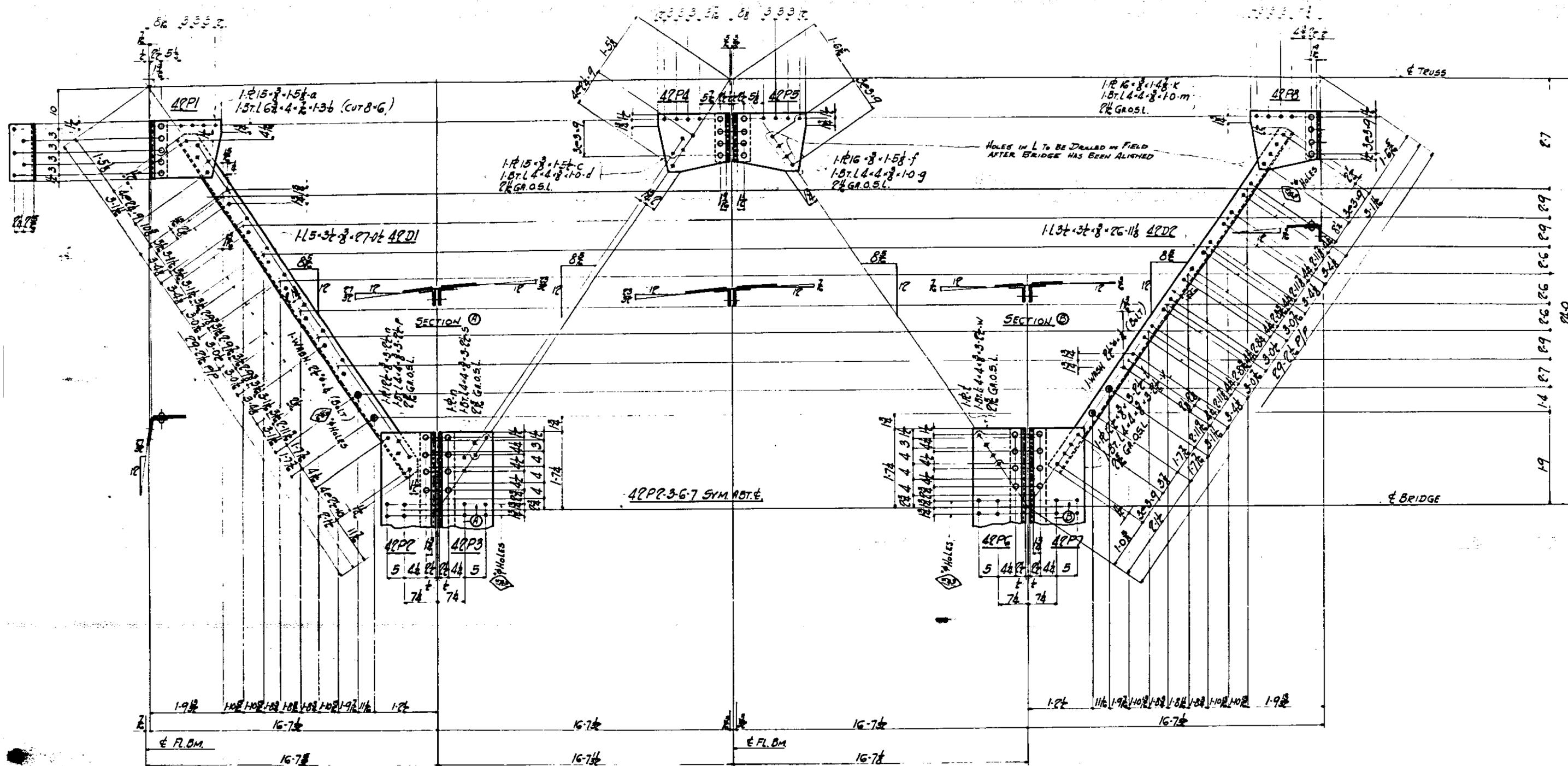
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN JOISTS II  
STRUCTURE NO. 099-0101

SHEET NO. S11 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	15
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				





- 4-DIAGONALS-4PD1<sup>s</sup>  
 4- D<sub>s</sub> - 4PD1<sup>s</sup>  
 P-PLATES-4PP1<sup>s</sup>  
 P- D<sub>s</sub> - 4PP1<sup>s</sup>  
 P- D<sub>s</sub> - 4PP2<sup>s</sup>  
 P- D<sub>s</sub> - 4PP3<sup>s</sup>  
 P- D<sub>s</sub> - 4PP4<sup>s</sup>  
 P- D<sub>s</sub> - 4PP4<sup>s</sup>

- 4-DIAGONALS-4PD2<sup>s</sup>  
 4- D<sub>s</sub> - 4PD2<sup>s</sup>  
 P-PLATES-4PP5<sup>s</sup>  
 P- D<sub>s</sub> - 4PP5<sup>s</sup>  
 P- D<sub>s</sub> - 4PP6<sup>s</sup>  
 P- D<sub>s</sub> - 4PP7<sup>s</sup>  
 P- D<sub>s</sub> - 4PP8<sup>s</sup>  
 P- D<sub>s</sub> - 4PP8<sup>s</sup>

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

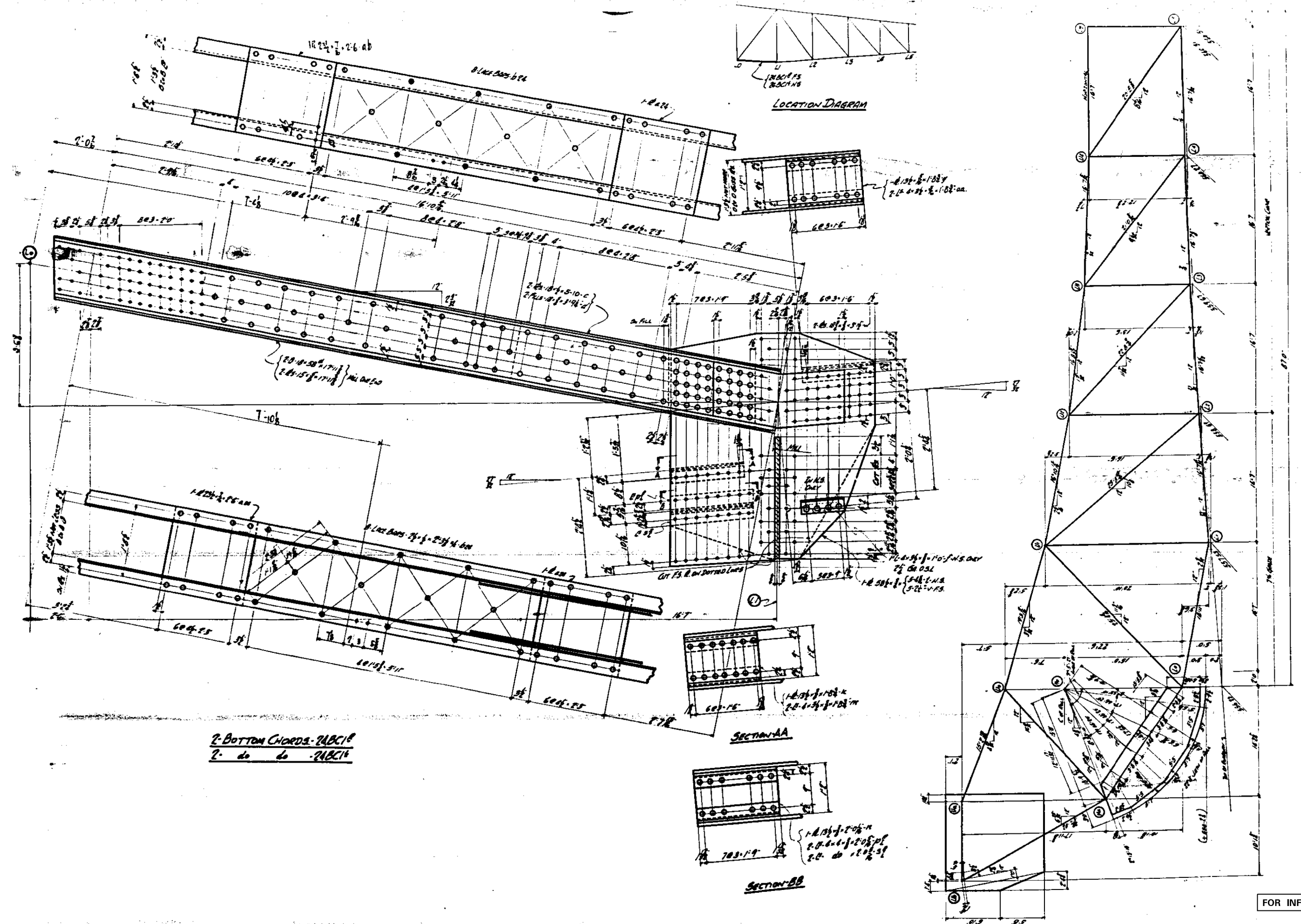
USER NAME =	DESIGNED - DMM	REVISED -
	CHECKED - JMS	REVISED -
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BASCULE SPAN LATERAL BRACING  
 STRUCTURE NO. 099-0101

SHEET NO. S12 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	16
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



2 BOTTOM CHORDS - 2 ABCI'S  
 2 do do - 2 ABCI'S

SECTION AA

SECTION BB

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

USER NAME =	DESIGNED - DMM	REVISED -
	CHECKED - JMS	REVISED -
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE =	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

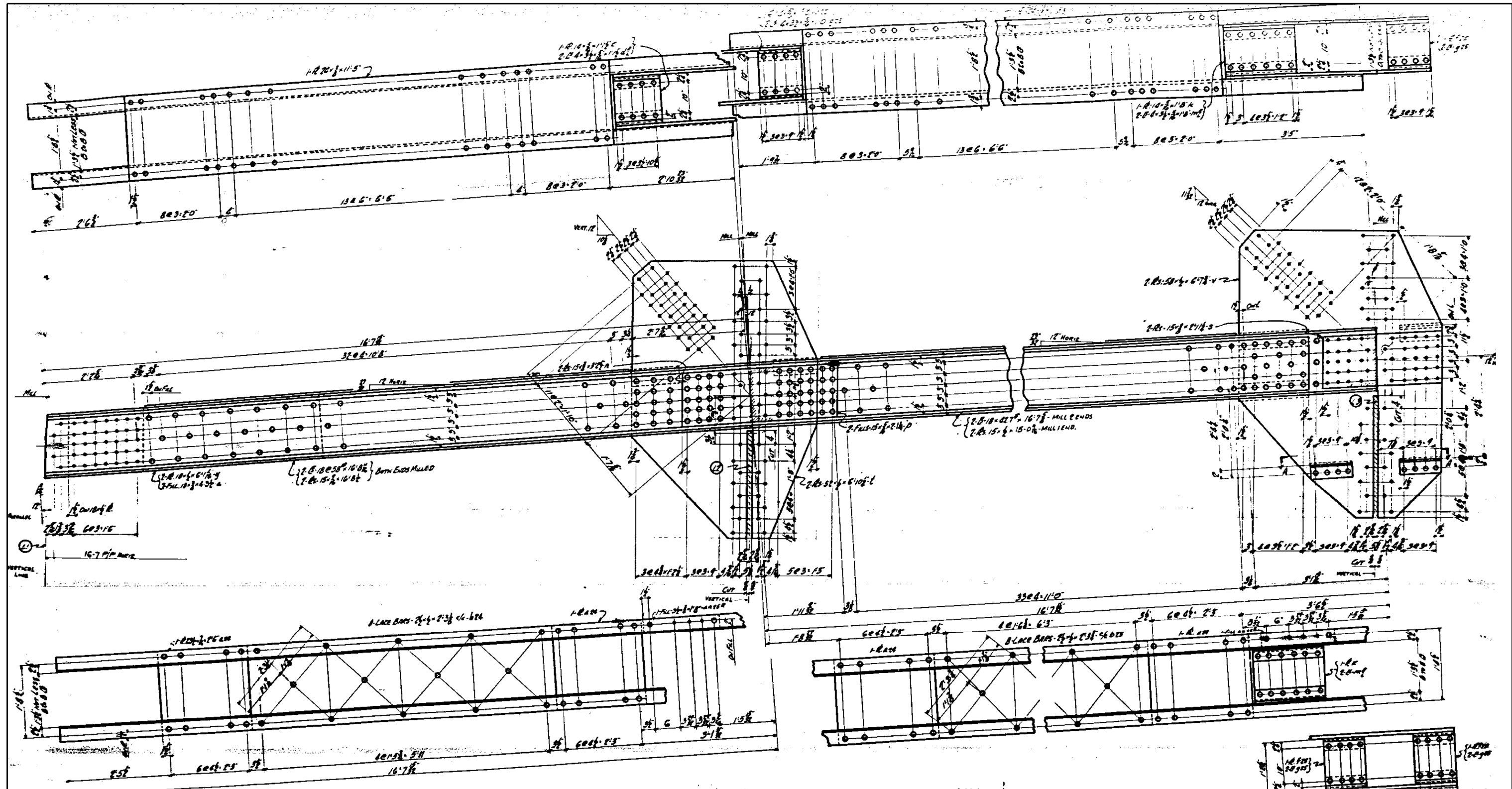
BASCULE SPAN BOTTOM CHORD I  
 STRUCTURE NO. 099-0101

SHEET NO. S13 OF S40 SHEETS

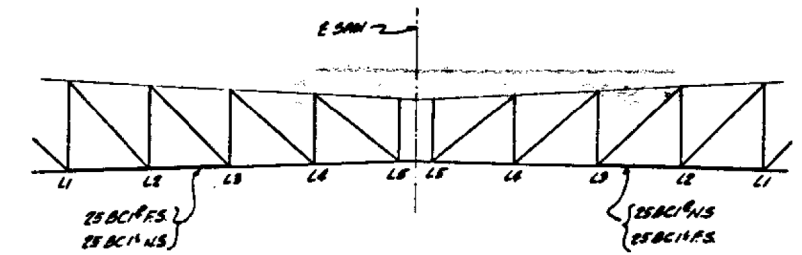
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	17
CONTRACT NO. 62B38				

ILLINOIS FED. AID PROJECT

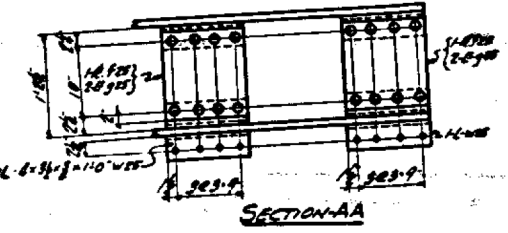
DIMENSIONAL DIAGRAM OF TRUSS SPAN



2-BOTTOM CHORDS - 25BC18  
 2 do do - 25BC16



LOCATION DIAGRAM



FOR INFORMATION ONLY

**COLLINS ENGINEERS**

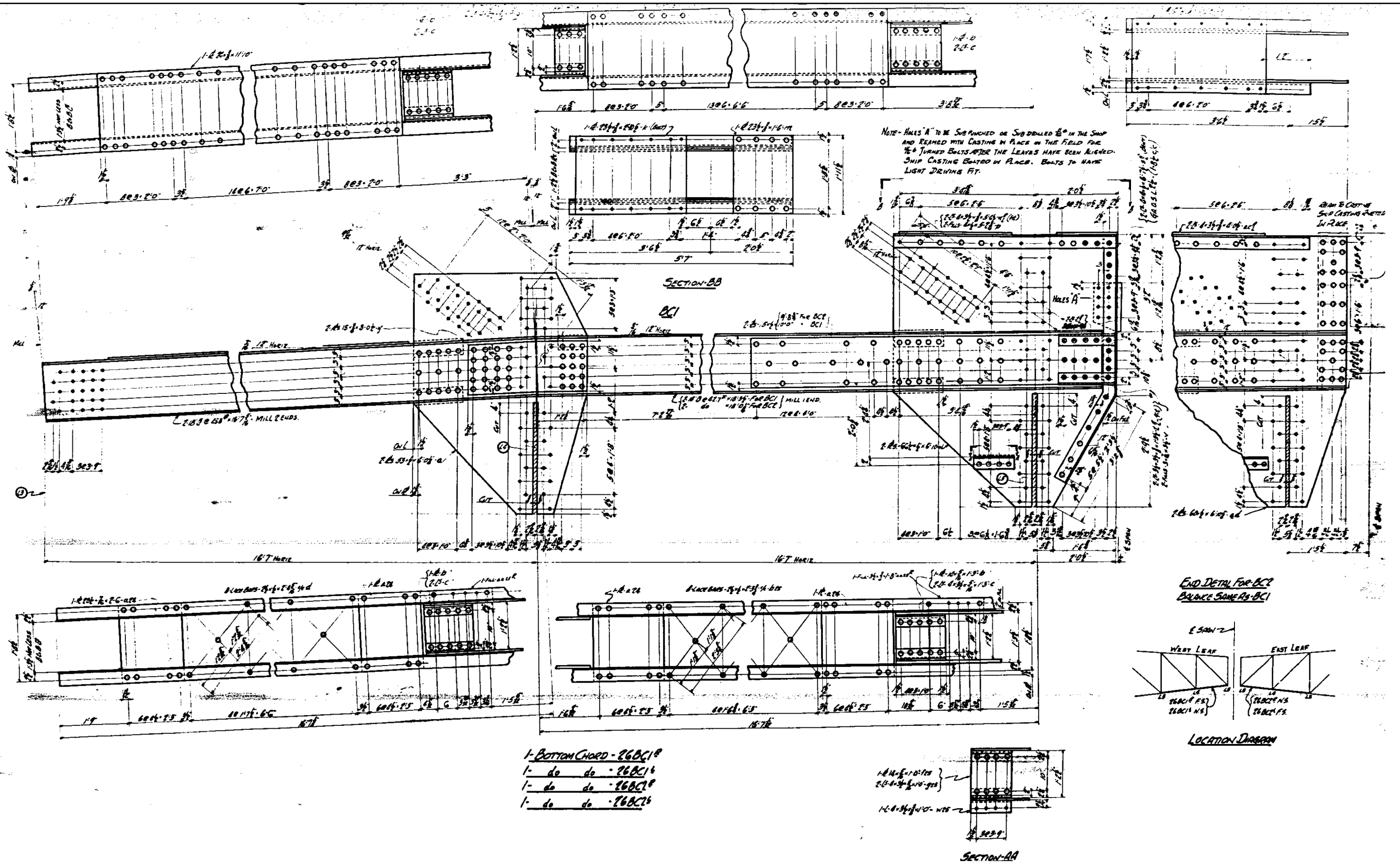
USER NAME =	DESIGNED - DMM	REVISED -
	CHECKED - JMS	REVISED -
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE =	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BASCULE SPAN BOTTOM CHORD II  
 STRUCTURE NO. 099-0101

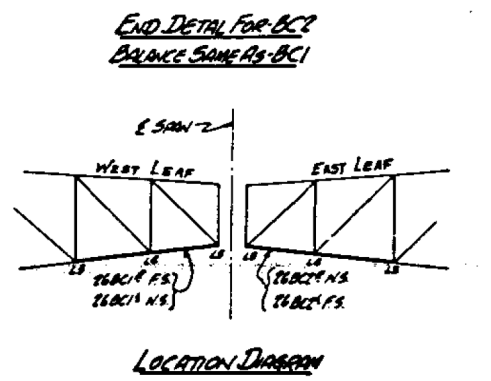
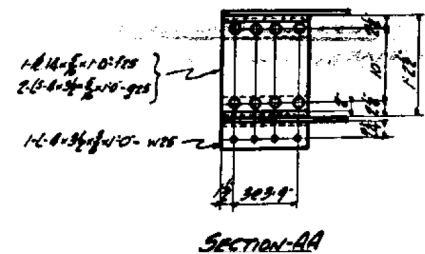
SHEET NO. S14 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	18
CONTRACT NO. 62B38			ILLINOIS FED. AID PROJECT	



NOTE - HOLES 'A' TO BE SUBPUNCHED OR SUBDRILLED  $\frac{1}{8}$ " IN THE SHOP AND REAMED WITH CASTING IN PLACE IN THE FIELD FOR  $\frac{1}{4}$ " TURNED BOLTS AFTER THE LEAVES HAVE BEEN ALIGNED. SHOP CASTING BOLTED IN PLACE. BOLTS TO HAVE LIGHT DRIVING FIT.

- 1- BOTTOM CHORD - 26BC18
- 1- do do - 26BC16
- 1- do do - 26BC18
- 1- do do - 26BC16



FOR INFORMATION ONLY

**COLLINS ENGINEERS**

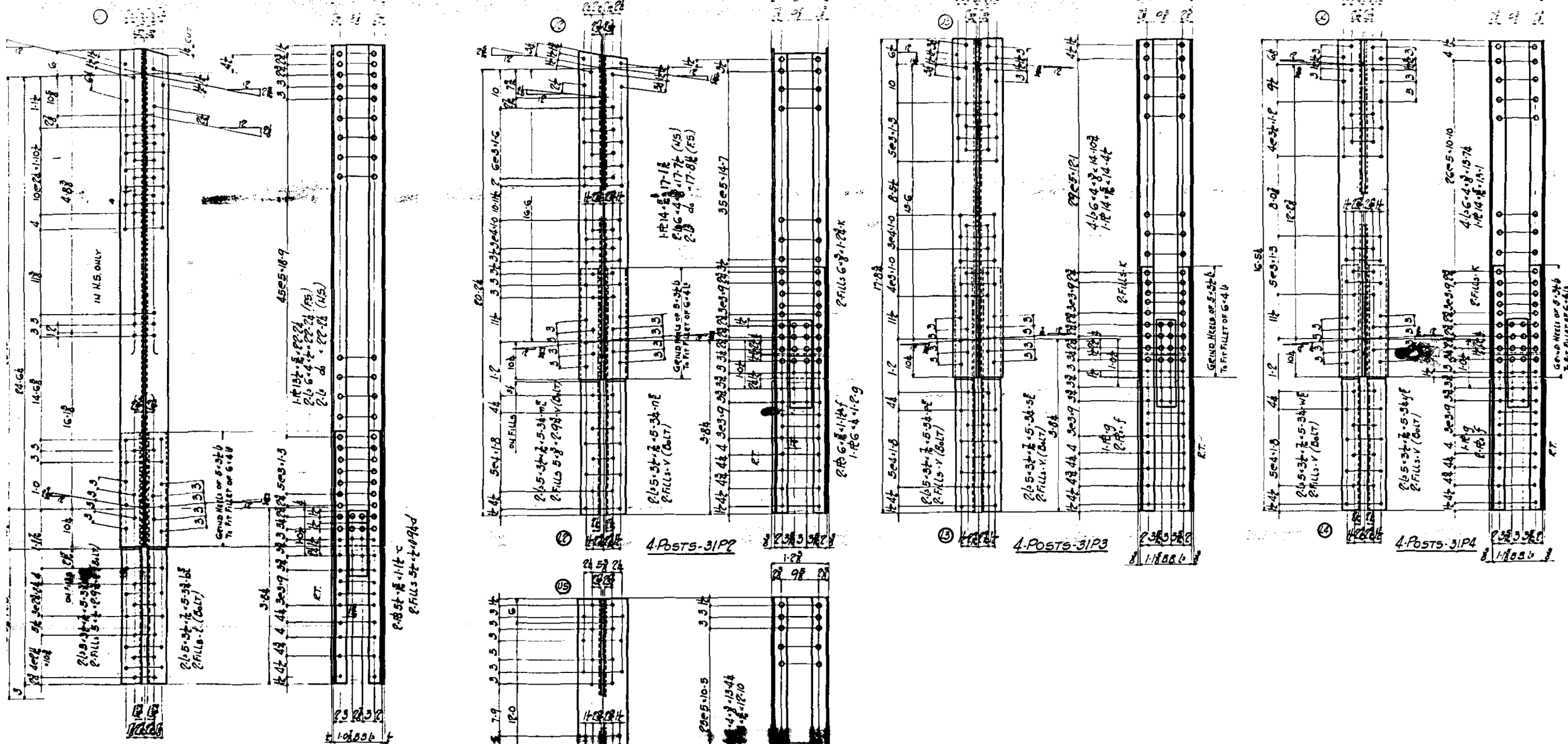
USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN BOTTOM CHORD III  
STRUCTURE NO. 099-0101

SHEET NO. S15 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	19
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				

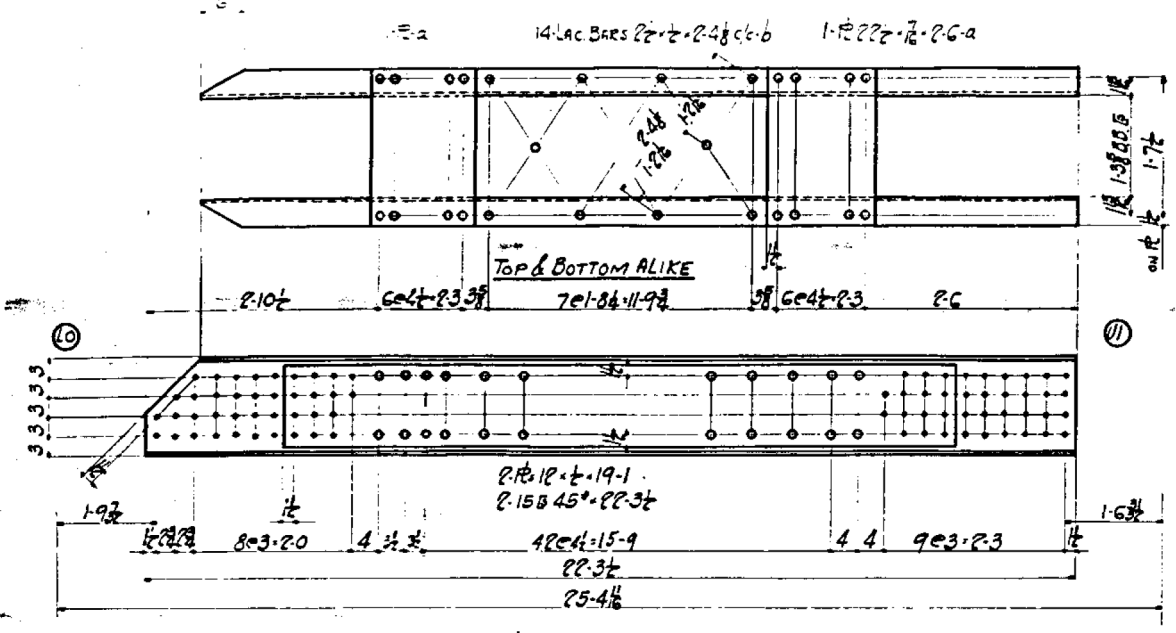


{ HOLES SUBPUNCHED & FRAMED TO }  
{ AFTER ASSEMBLY }

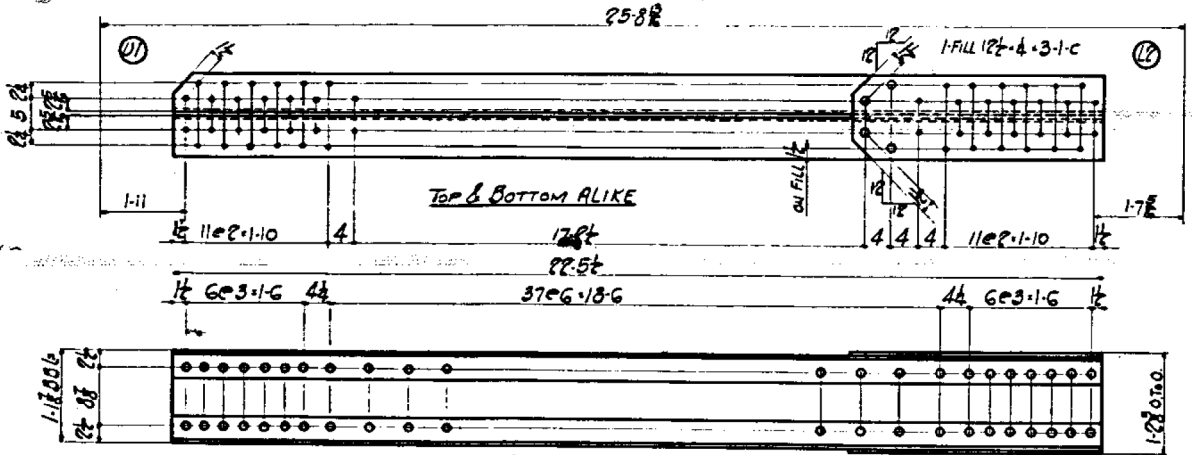
FOR INFORMATION ONLY

USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

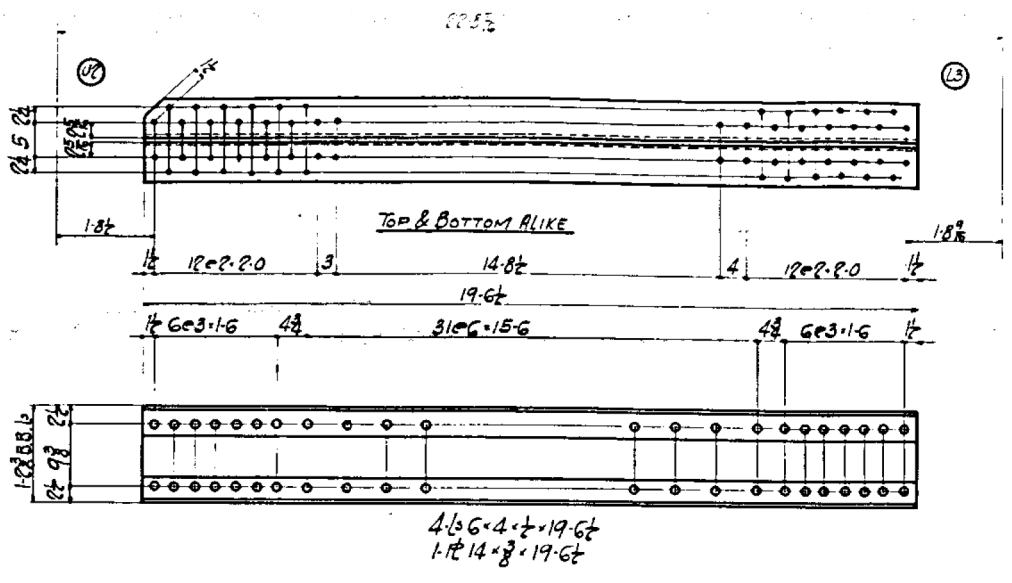
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	20
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



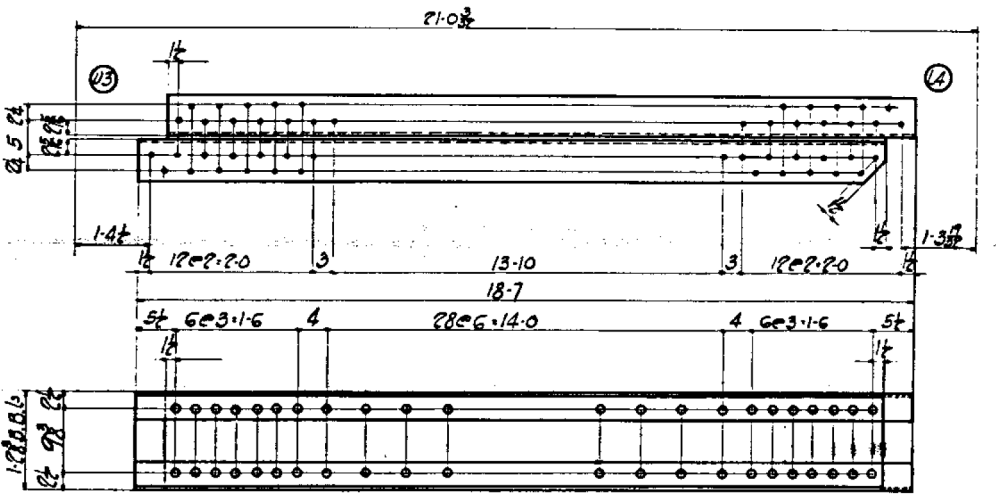
4-DIAGONALS-32D1



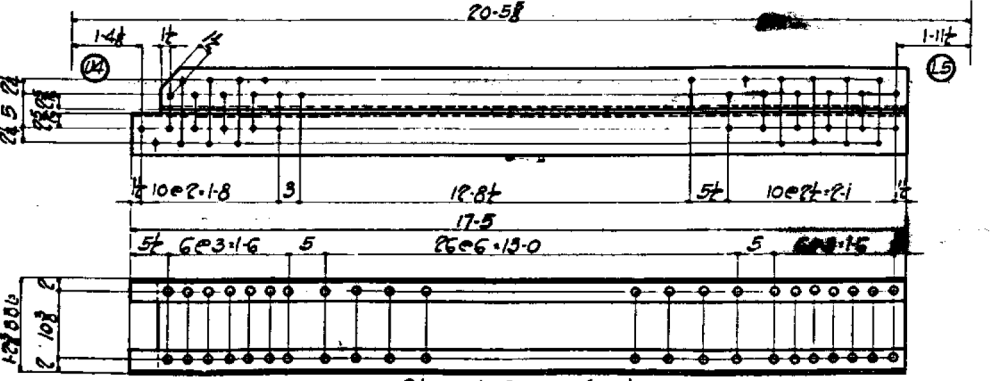
4-DIAGONALS-32D2



4-DIAGONALS-32D3



4-DIAGONALS-32D4



4-DIAGONALS-32D5

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

USER NAME =	DESIGNED - DMM	REVISED -
PLLOT SCALE =	CHECKED - JMS	REVISED -
PLLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

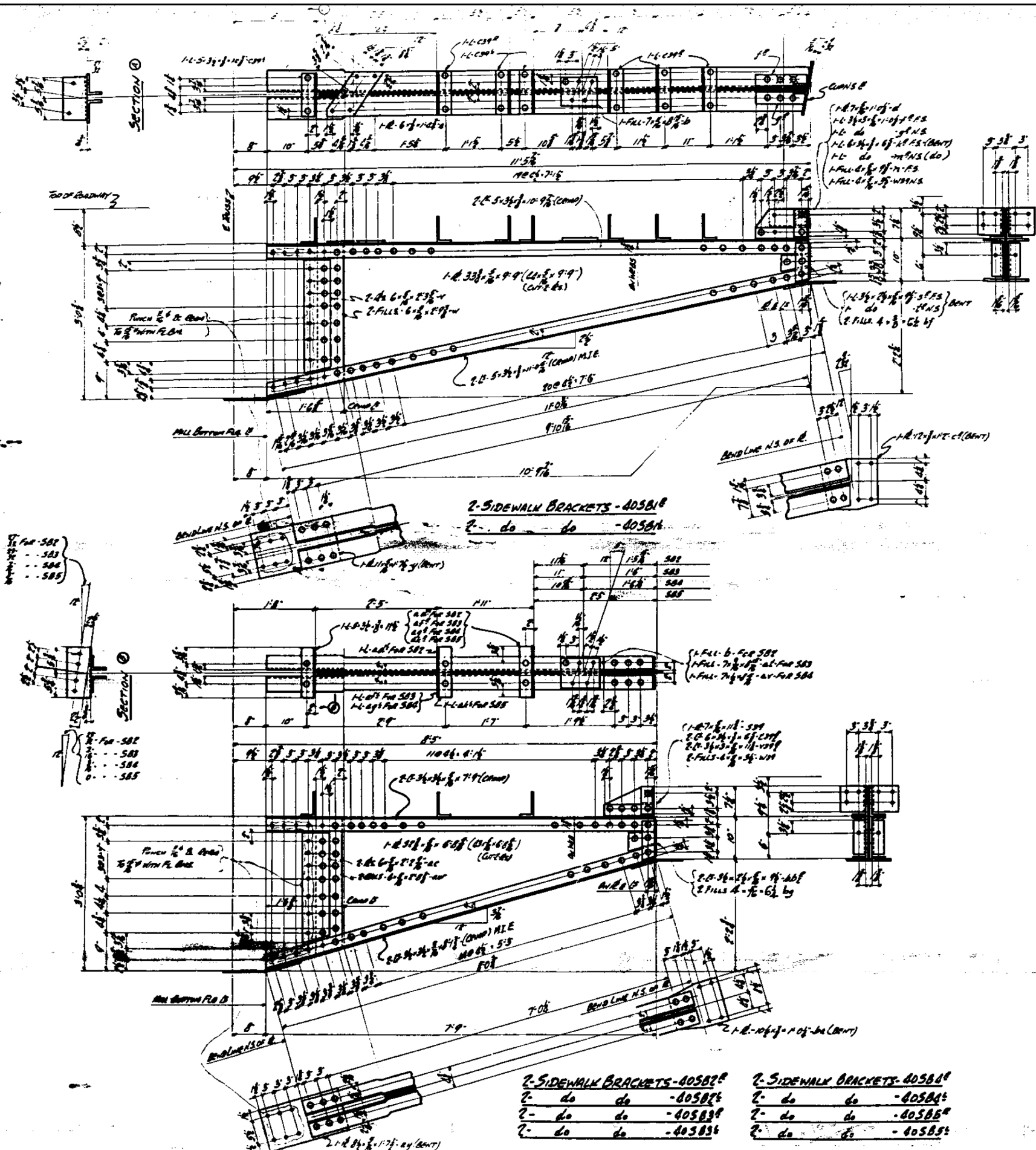
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN VERTICAL DIAGONAL MEMBERS  
STRUCTURE NO. 099-0101

SHEET NO. 517 OF 540 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	21
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				





- 2-SIDEWALK BRACKETS-40582<sup>R</sup>
- 2- do do -40582<sup>L</sup>
- 2- do do -40583<sup>R</sup>
- 2- do do -40583<sup>L</sup>
- 2-SIDEWALK BRACKETS-40584<sup>R</sup>
- 2- do do -40584<sup>L</sup>
- 2- do do -40585<sup>R</sup>
- 2- do do -40585<sup>L</sup>

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

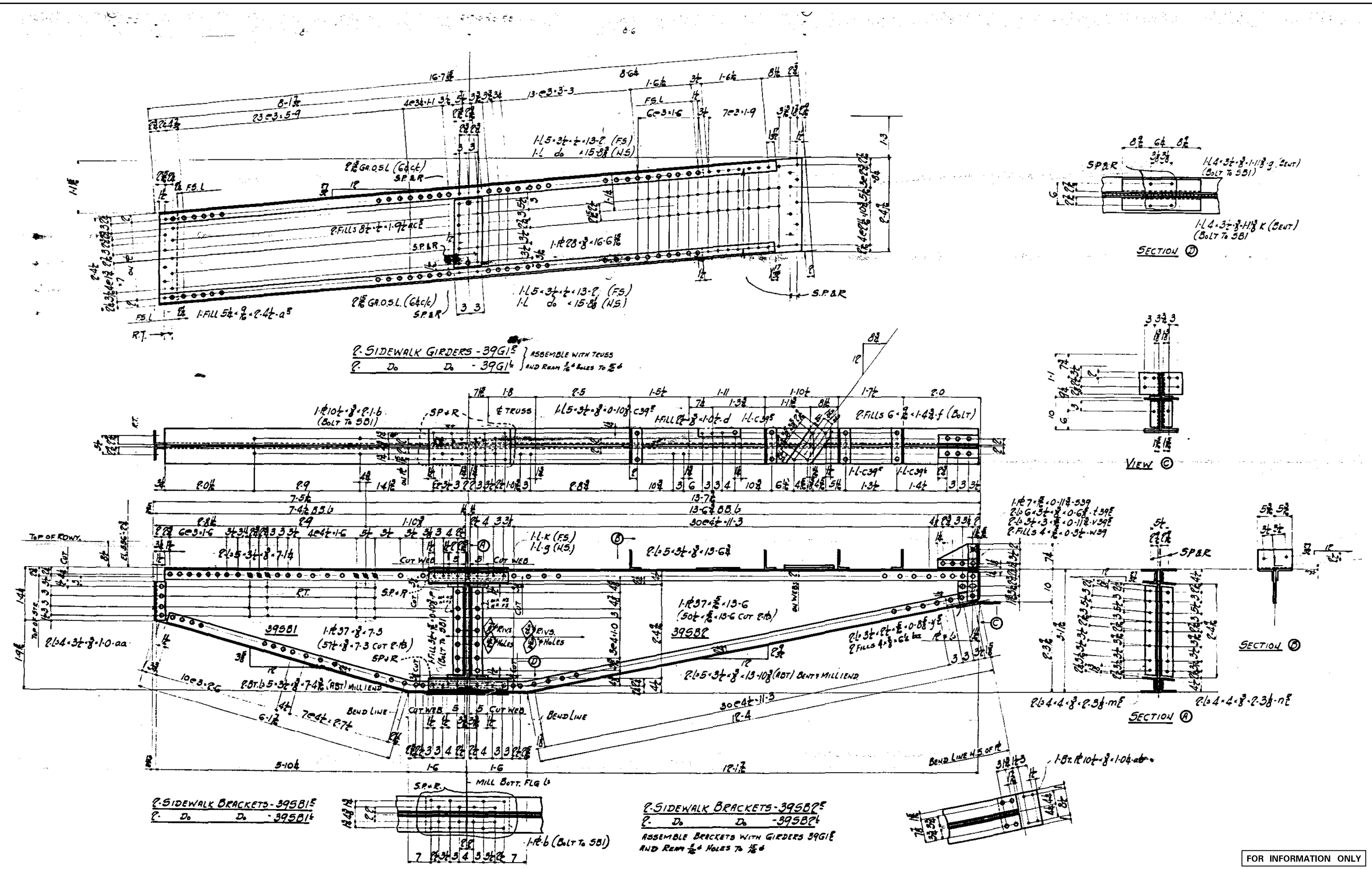
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	CHECKED - JMS	REVISED -
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE =	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN SIDEWALK BRACKETS  
STRUCTURE NO. 099-0101

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	22
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				

SHEET NO. 518 OF 540 SHEETS



FOR INFORMATION ONLY

**COLLINS ENGINEERS**

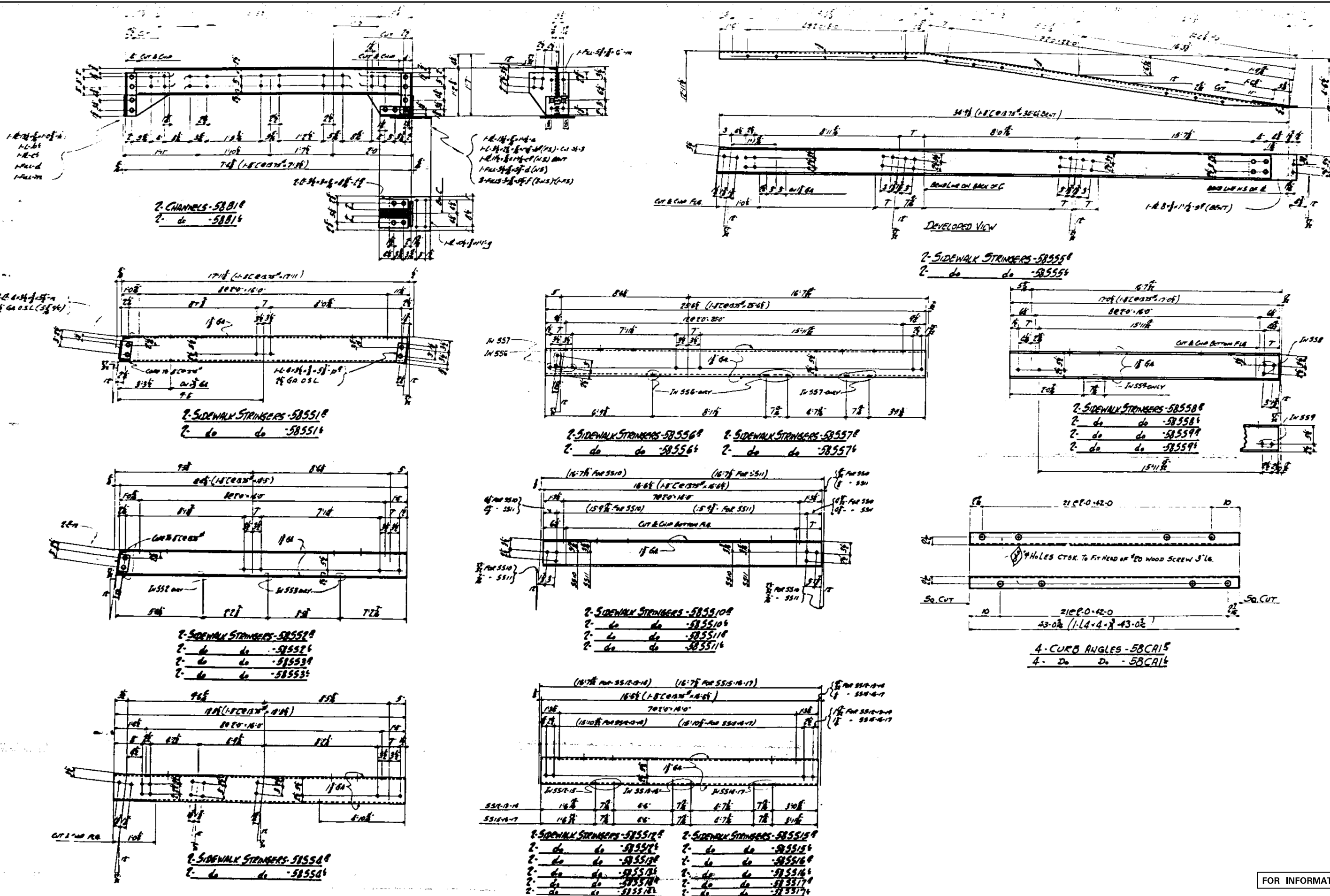
USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BASCULE SPAN SIDEWALK BRACKETS AND GIRDERS  
STRUCTURE NO. 099-0101

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	23
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				

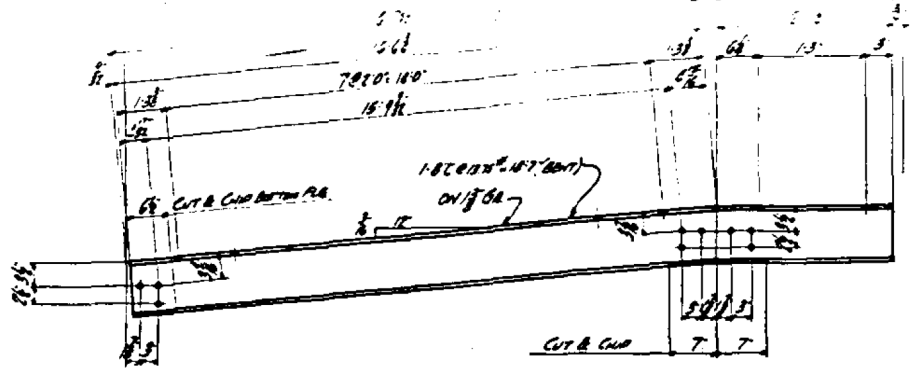
SHEET NO. S19 OF S40 SHEETS



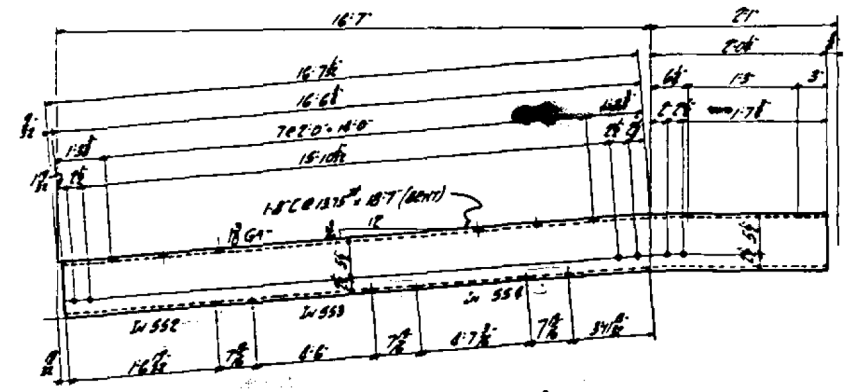
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PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

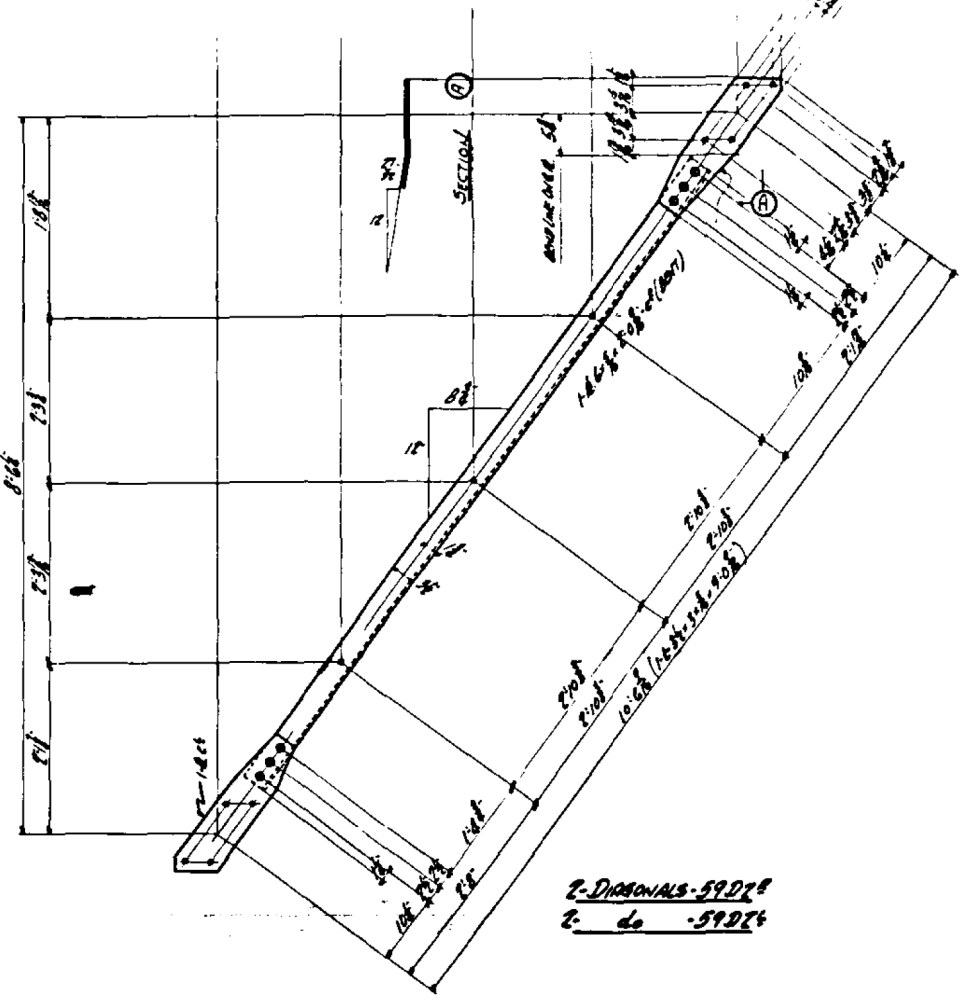
F.A.P. RTE. 607	SECTION (G-R) BP	COUNTY WILL	TOTAL SHEETS 45	SHEET NO. 24
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				



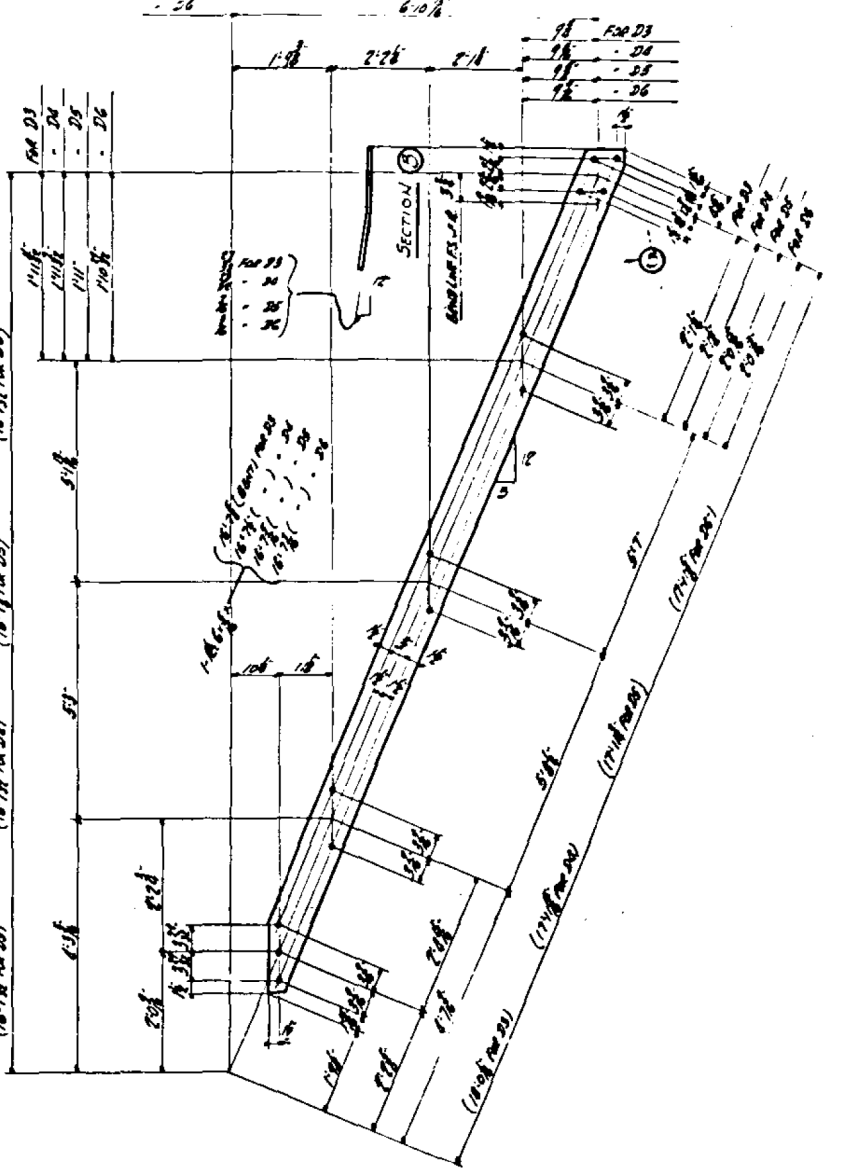
2. SIDEWALK STRINGERS - 595518  
2. do do - 595516



2. SIDEWALK STRINGERS - 595528  
2. do do - 595526  
2. do do - 595538  
2. do do - 595536  
2. do do - 595548  
2. do do - 595546

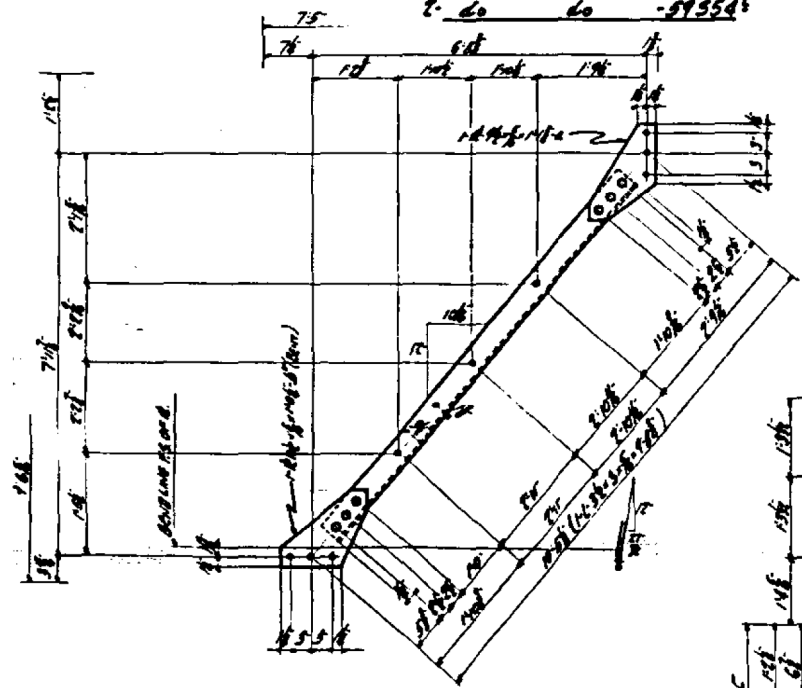


2. DIAGONALS - 59228  
2. do - 59226

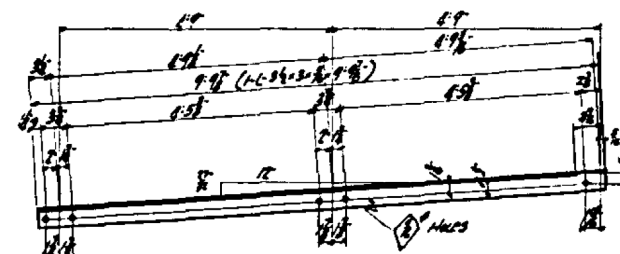


2. DIAGONALS - 59238  
2. do - 59236  
2. do - 59248  
2. do - 59246

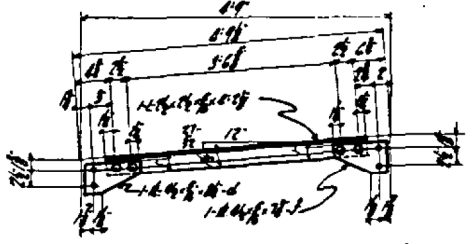
2. DIAGONALS - 59258  
2. do - 59256  
2. do - 59268  
2. do - 59266



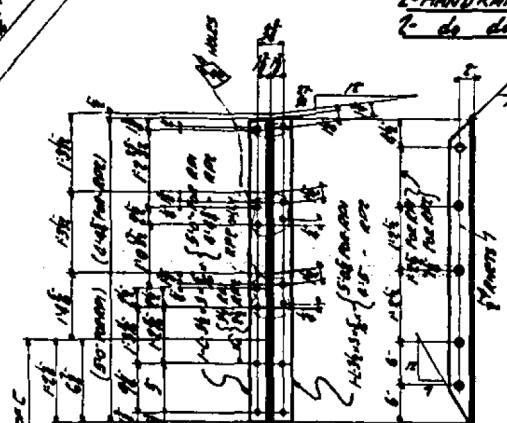
2. DIAGONALS - 59218  
2. do - 59216



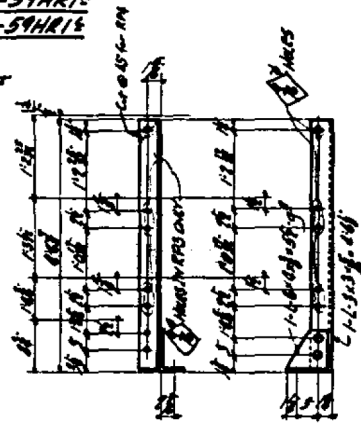
2. HANDRAILS - 59418  
2. do do - 59416



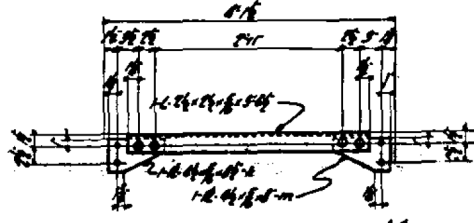
2. HANDRAILS - 59428  
2. do do - 59426



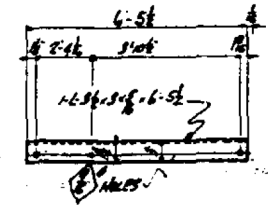
2. RAIL POSTS - 59208  
2. do do - 59206  
2. do do - 59218  
2. do do - 59216



2. RAIL POSTS - 59238  
2. do do - 59236  
2. do do - 59248  
2. do do - 59246

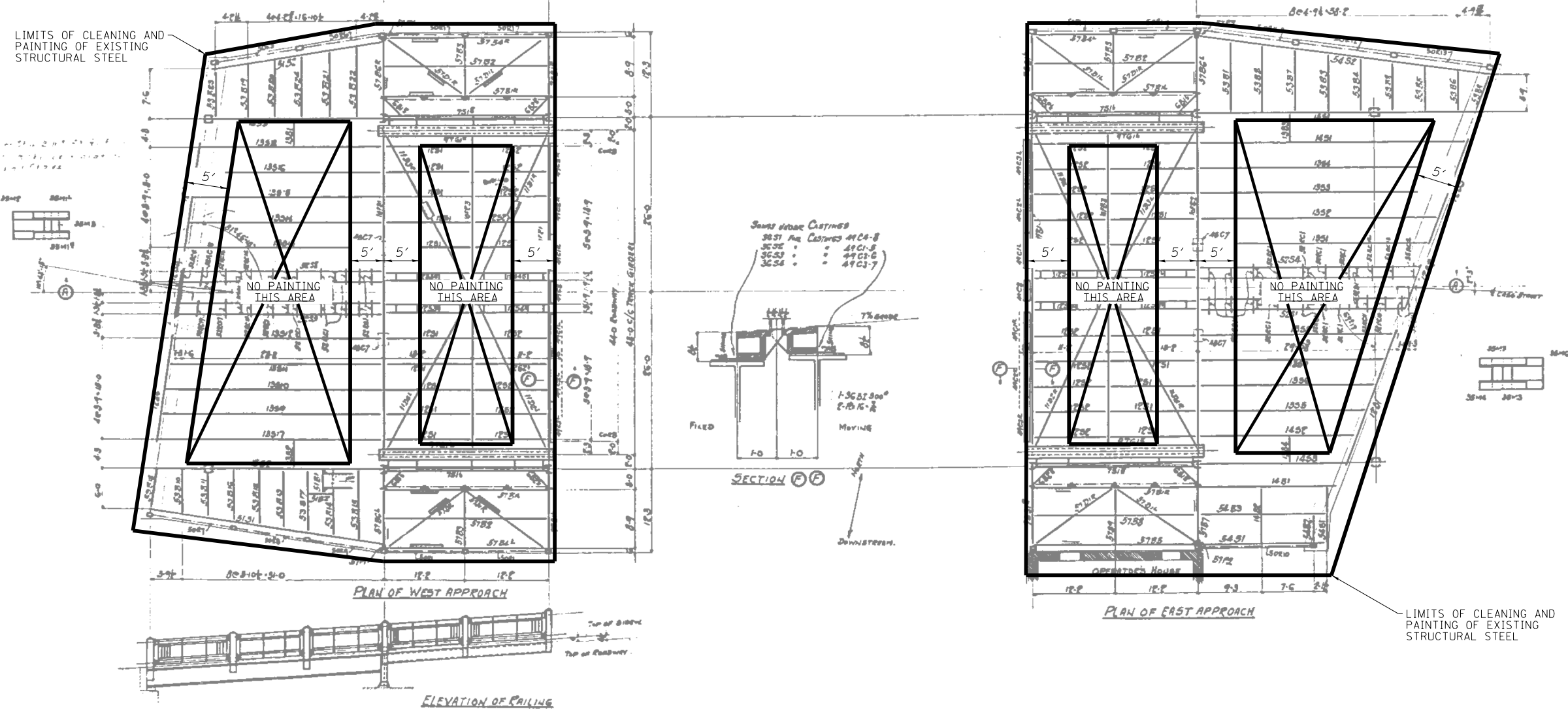


2. HANDRAILS - 59438  
2. do do - 59436



2. HANDRAILS - 59468  
2. do do - 59466

FOR INFORMATION ONLY



**PAINTING NOTES:**

1. THE EXISTING STRINGERS AND DIAPHRAGMS WITHIN 5'-0" OF THE EAST AND WEST ABUTMENTS SHALL BE CLEANED AND PAINTED.
2. ALL EXISTING TRACK GIRDERS SHALL BE CLEANED AND PAINTED.
3. THE EXISTING TRACK SPAN FLOOR BEAMS LOCATED AT THE JOINTS WITH THE BASCULE AND APPROACH SPANS, ALONG WITH THE EXISTING STRINGERS WITHIN 5'-0" OF THOSE FLOOR BEAMS, SHALL BE CLEANED AND PAINTED.
4. ALL EXISTING STEEL MEMBERS BELOW THE TIMBER SIDEWALK DECK SHALL BE CLEANED AND PAINTED.
5. ALL EXISTING ORNAMENTAL HANDRAIL ALONG THE SIDEWALK SHALL BE CLEANED AND PAINTED.
6. ALL EXISTING INTERIOR METAL RAILINGS ADJACENT TO THE TRACK GIRDERS SHALL BE CLEANED AND PAINTED.
7. THE COLOR OF THE FINAL FINISH COAT FOR ALL APPROACH SPAN STEEL SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.



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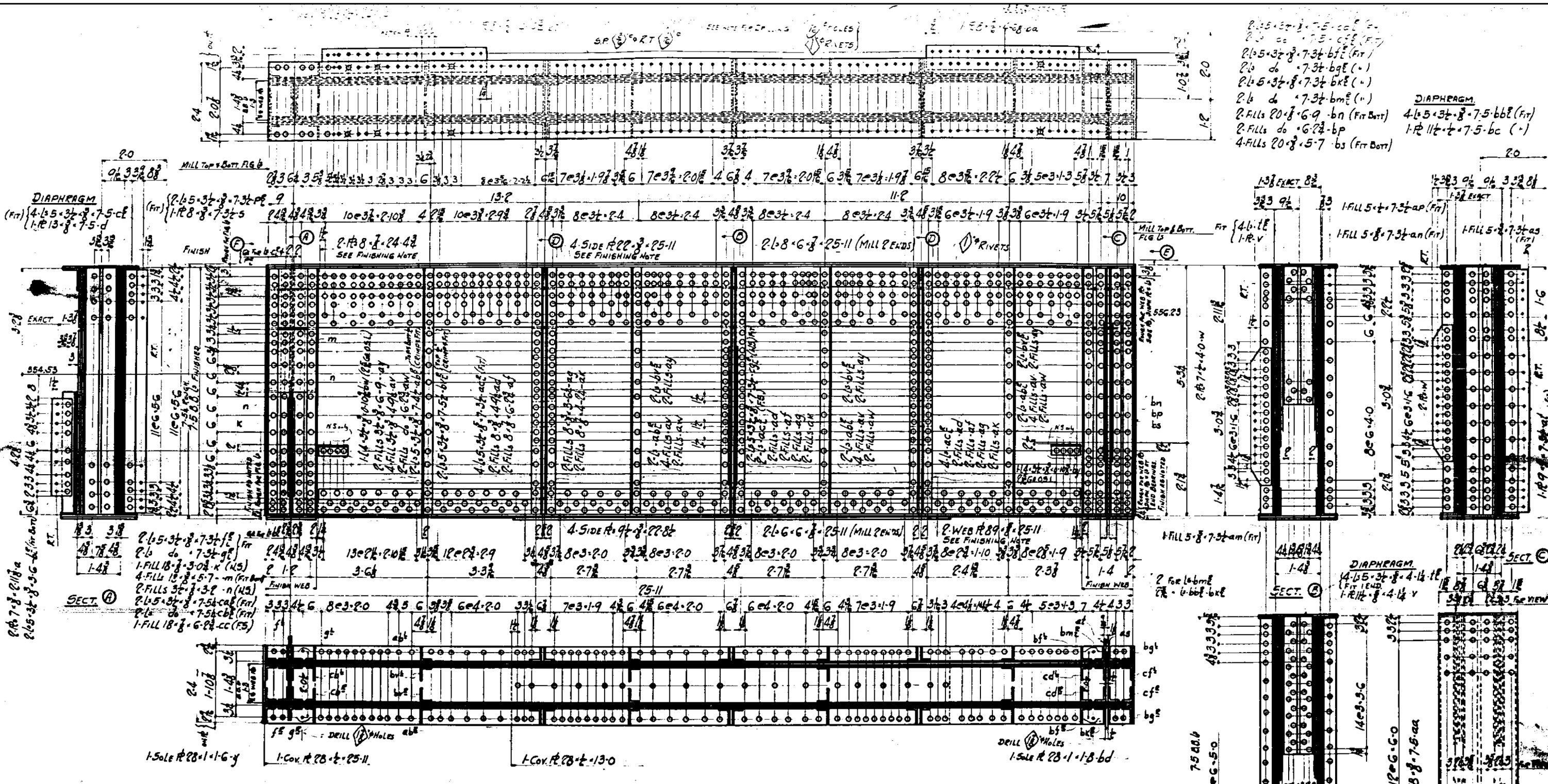
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRACK SPAN AND APPROACH SPAN FRAMING PLAN  
STRUCTURE NO. 099-0101**

SHEET NO. S22 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	26
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				

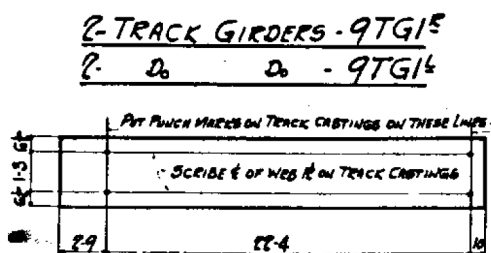
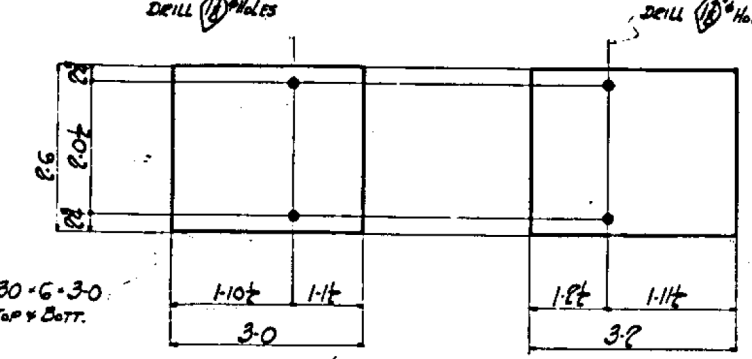




2-15-34-8-7.3+g  
 2-15-34-8-7.3+bf(FIT)  
 2-15-34-8-7.3+bg(-)  
 2-15-34-8-7.3+bx(-)  
 2-15-34-8-7.3+bm(-)  
 2-Fills 20-8-6-9-bn(FIT) 4-15-34-8-7.5-bb(FIT)  
 2-Fills do 6-22-bp 1-15-11-4-7.5-bc(-)  
 4-Fills 20-8-5-7-bs(FIT)

**SECT. A**  
 2-15-34-8-7.3+g  
 2-15-34-8-7.3+g(-)  
 1-FILL 18-8-3-0-4(45)  
 4-FILLS 18-8-5-7-m(FIT) 2-FILLS 35-7-3-2-n(45)  
 2-15-34-8-7.54-cb(FIT)  
 2-15-34-8-7.54-cb(-)  
 1-FILL 18-8-6-24-cc(15)

**SECT. B**  
 2-15-34-8-7.3+g  
 2-15-34-8-7.3+g(-)  
 1-FILL 5-8-7-3+am(FIT)  
**DIAPHRAGM**  
 4-15-34-8-4-14-1e  
 1-FILL 18-8-4-14-1v  
**SECT. C**  
 1-15-11-4-7.5-bc  
 1-15-11-4-7.5-bd



1-5 LAB 30-G-3-0  
 FINISH TOP & BOTTOM  
 LOCATION OF PUNCH MARKS  
 ON TOP OF TRACK CASTINGS

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**COLLINS**  
**ENGINEERS**

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PLLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

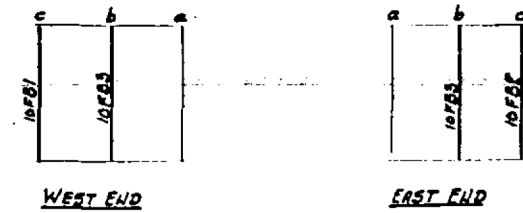
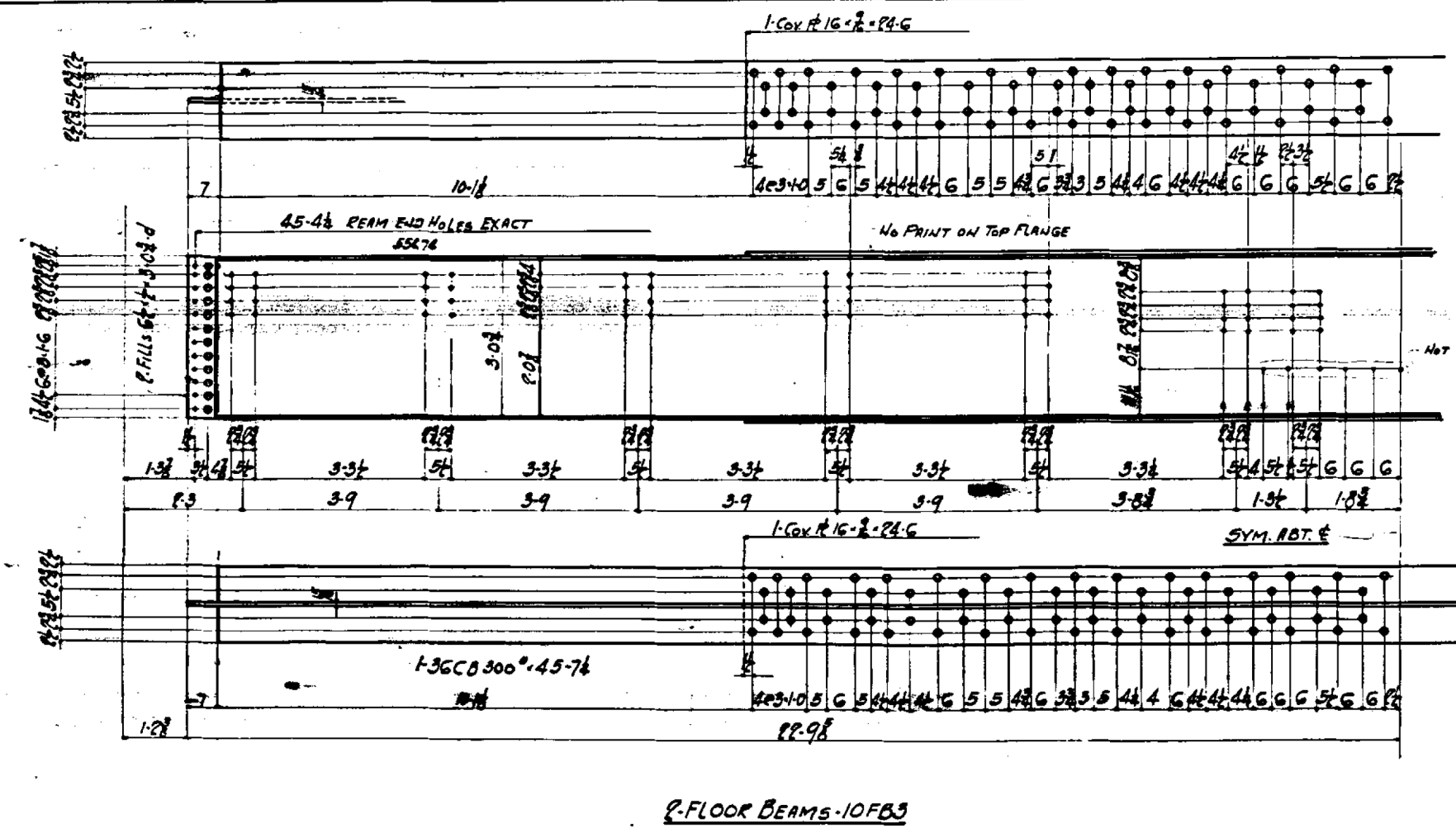
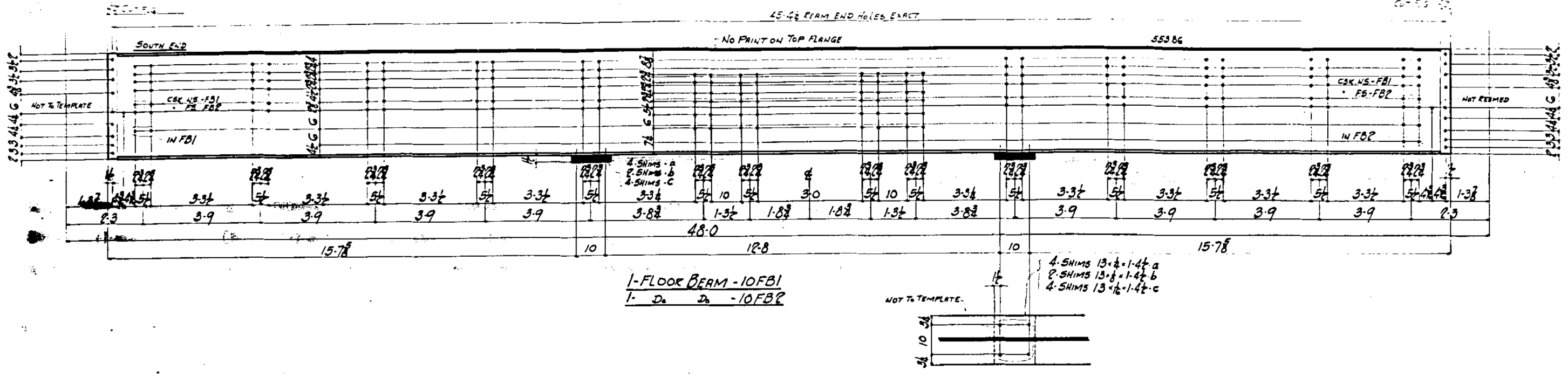
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRACK SPAN TRACK GIRDERS  
 STRUCTURE NO. 099-0101

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	27
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				

SHEET NO. S23 OF S40 SHEETS

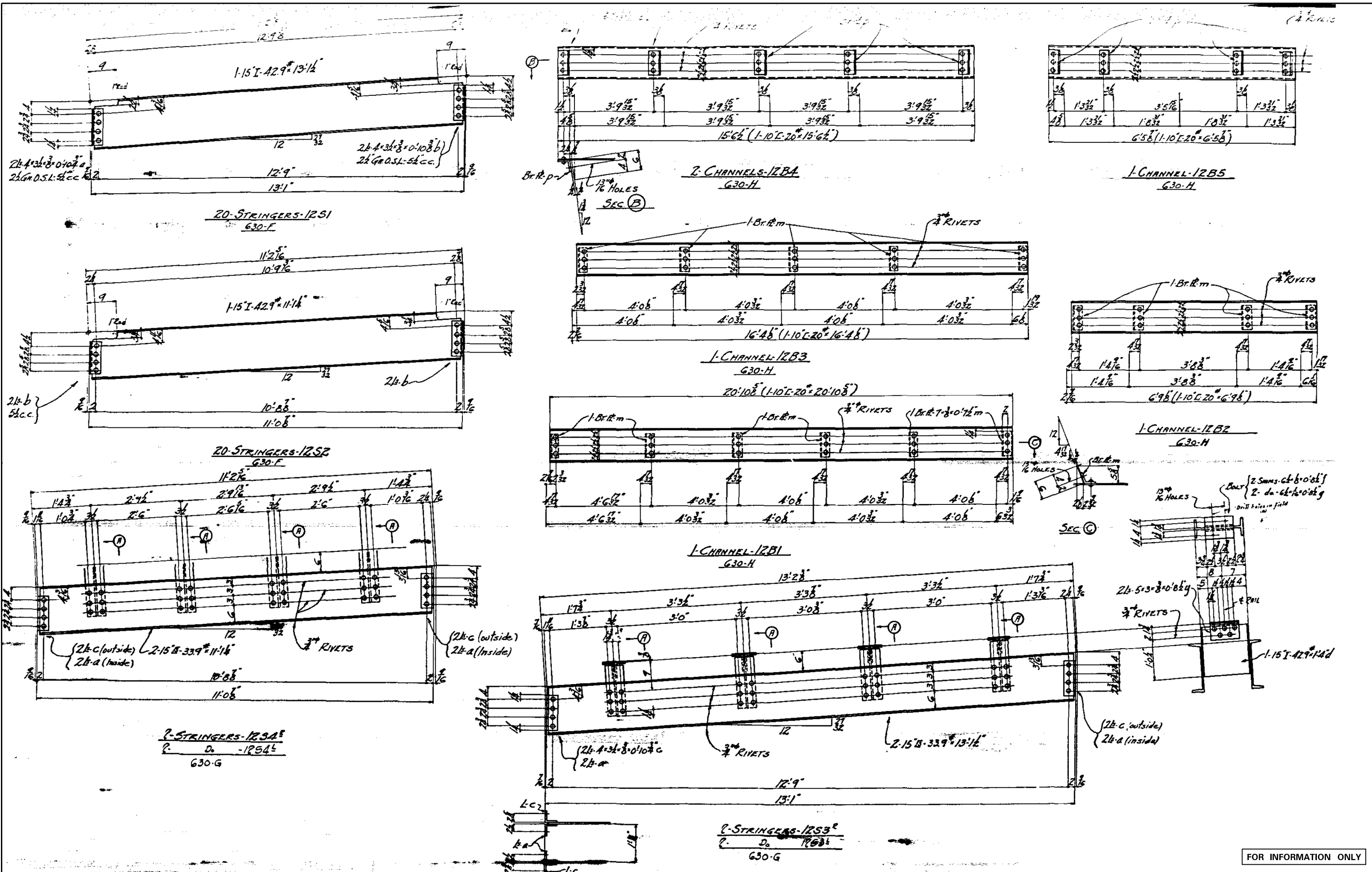




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PLOT DATE =	DRAWN - DR	REVISED -
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	28
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

**COLLINS ENGINEERS**

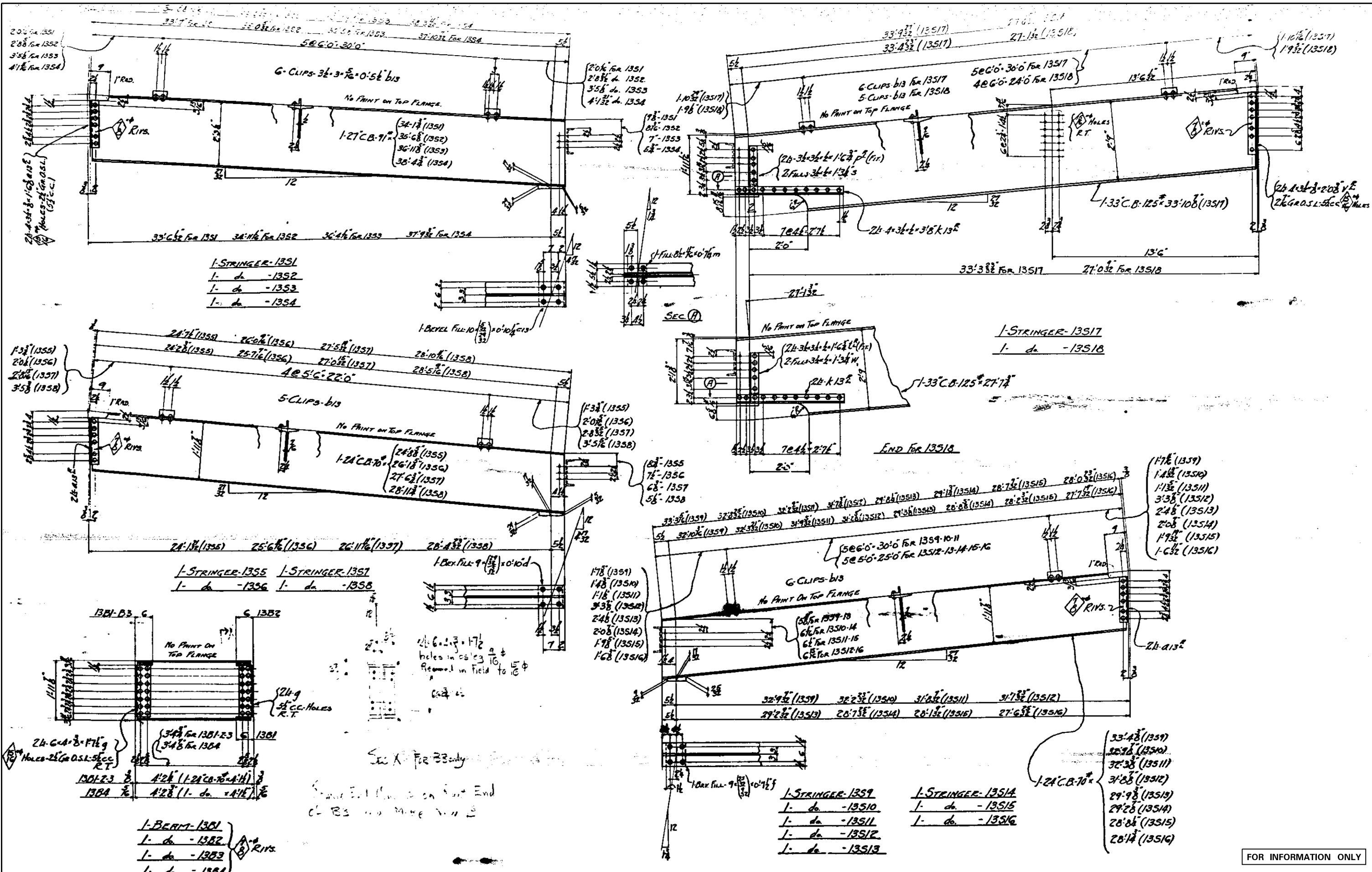
USER NAME =	DESIGNED - DMM	REVISED -
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PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRACK SPAN STRINGERS AND BEAMS AT ABUTMENTS  
STRUCTURE NO. 099-0101

SHEET NO. S25 OF S40 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	29
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



1-STRINGER-1351  
 1- do -1352  
 1- do -1353  
 1- do -1354

1-STRINGER-1357  
 1- do -1358

1-STRINGER-1355 1-STRINGER-1357  
 1- do -1356 1- do -1358

1-STRINGER-1359  
 1- do -13510  
 1- do -13511  
 1- do -13512  
 1- do -13513

1-STRINGER-1351A  
 1- do -13514  
 1- do -13515  
 1- do -13516

1-BEAM-1301  
 1- do -1302  
 1- do -1303  
 1- do -1304

FOR INFORMATION ONLY

**COLLINS ENGINEERS**

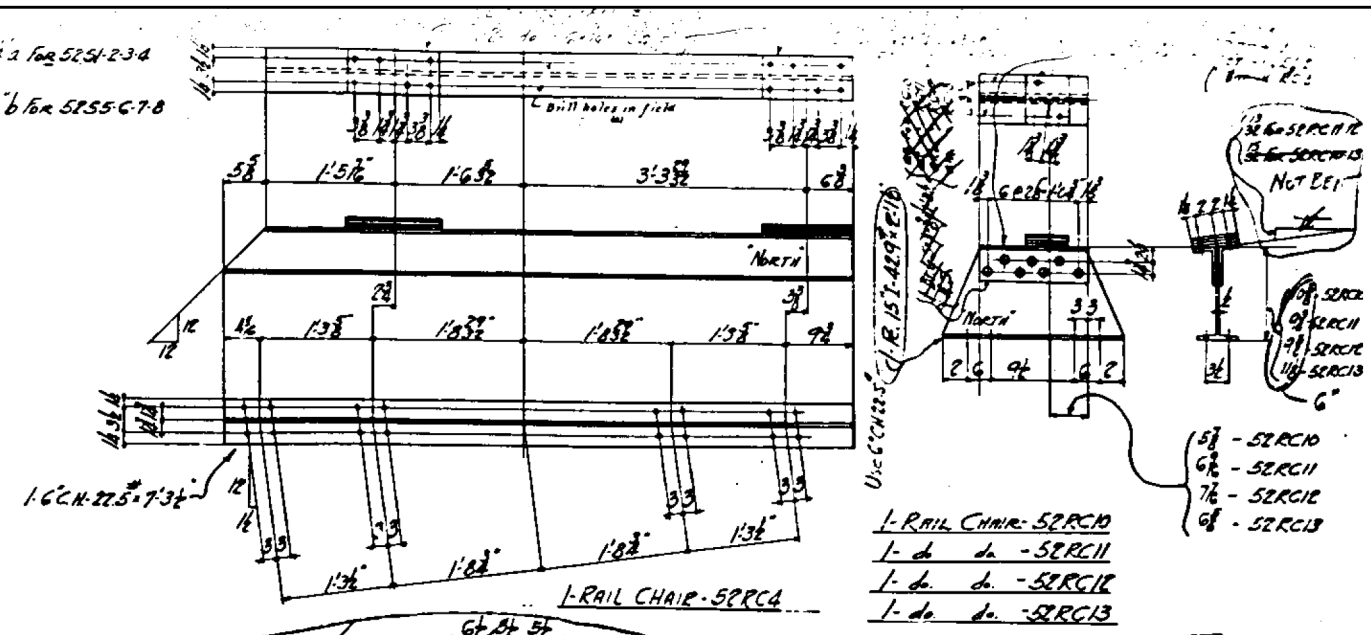
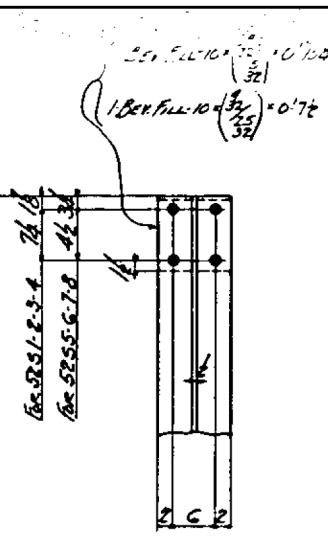
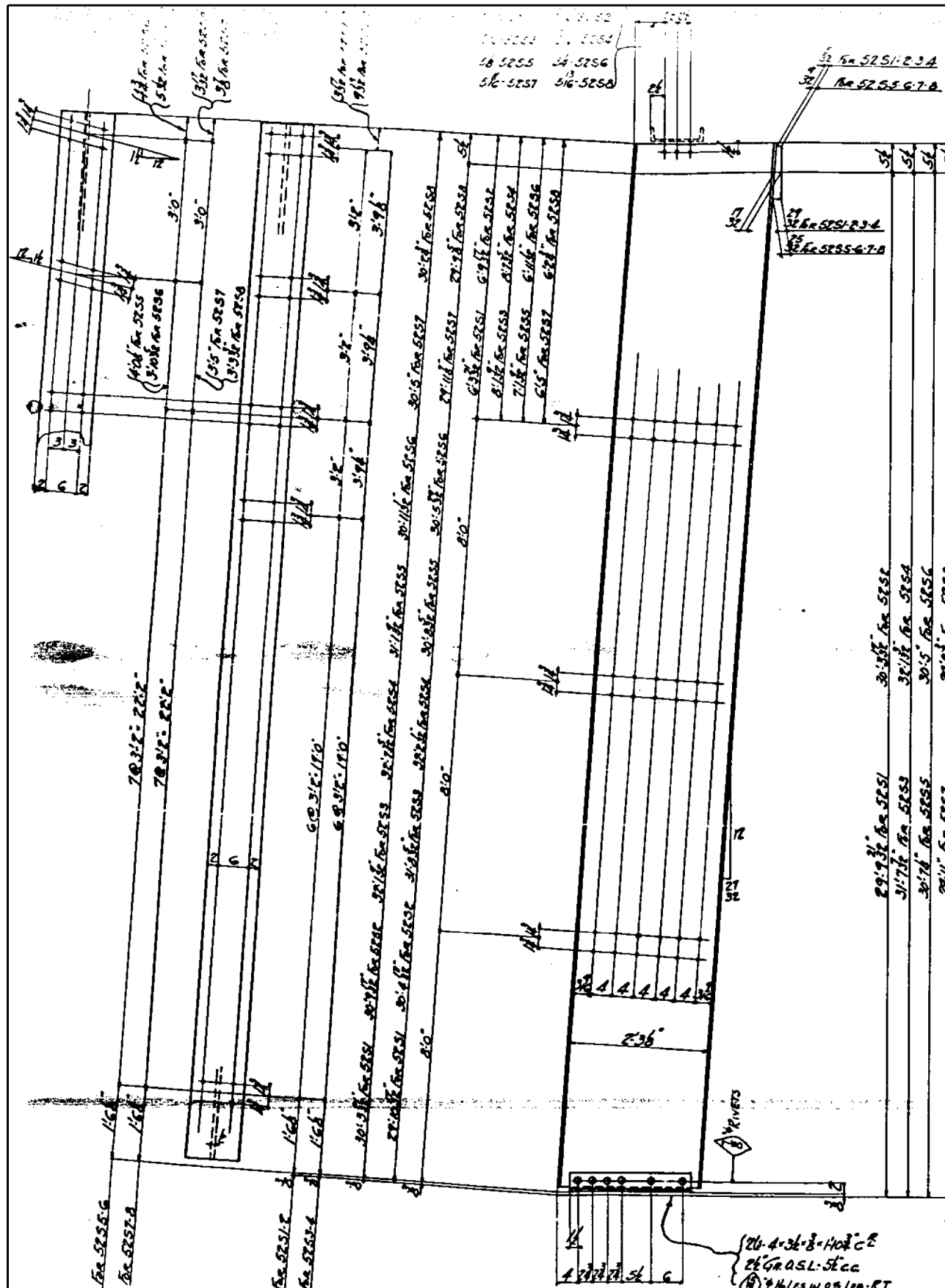
USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROACH SPAN STRINGERS I  
 STRUCTURE NO. 099-0101

SHEET NO. S26 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	30
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				

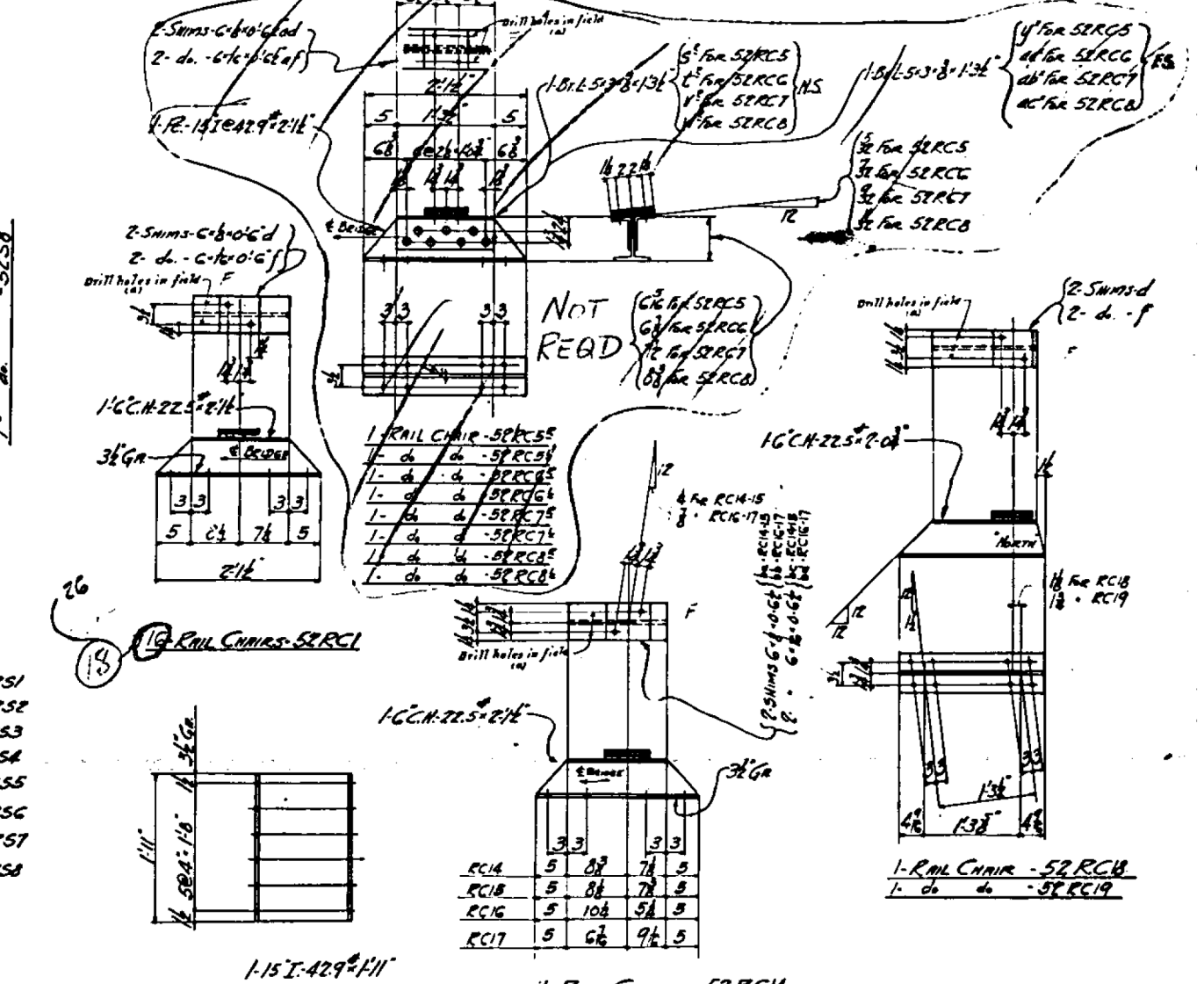


1-STRINGER-S251

1- d. - S252
1- d. - S253
1- d. - S254
1- d. - S255
1- d. - S256
1- d. - S257
1- d. - S258

1-27\"/>

30'-5 1/2\"/> <tr><td>30'-11 1/2\"/&gt; <tr><td>32'-2 1/2\"/&gt; <tr><td>32'-8 1/2\"/&gt; <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	30'-11 1/2\"/> <tr><td>32'-2 1/2\"/&gt; <tr><td>32'-8 1/2\"/&gt; <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-2 1/2\"/> <tr><td>32'-8 1/2\"/&gt; <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-8 1/2\"/> <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-14 1/2\"/> <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	34'-0\"/> <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr>	34'-6\"/> <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr>	34'-12\"/> <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr>	34'-18\"/> <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr>	34'-24\"/> <tr><td>34'-30\"/&gt; </td></tr>	34'-30\"/>
30'-11 1/2\"/> <tr><td>32'-2 1/2\"/&gt; <tr><td>32'-8 1/2\"/&gt; <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-2 1/2\"/> <tr><td>32'-8 1/2\"/&gt; <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-8 1/2\"/> <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-14 1/2\"/> <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	34'-0\"/> <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr>	34'-6\"/> <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr>	34'-12\"/> <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr>	34'-18\"/> <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr>	34'-24\"/> <tr><td>34'-30\"/&gt; </td></tr>	34'-30\"/>	
32'-2 1/2\"/> <tr><td>32'-8 1/2\"/&gt; <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-8 1/2\"/> <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-14 1/2\"/> <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	34'-0\"/> <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr>	34'-6\"/> <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr>	34'-12\"/> <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr>	34'-18\"/> <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr>	34'-24\"/> <tr><td>34'-30\"/&gt; </td></tr>	34'-30\"/>		
32'-8 1/2\"/> <tr><td>32'-14 1/2\"/&gt; <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	32'-14 1/2\"/> <tr><td>34'-0\"/&gt; <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>	34'-0\"/> <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr>	34'-6\"/> <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr>	34'-12\"/> <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr>	34'-18\"/> <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr>	34'-24\"/> <tr><td>34'-30\"/&gt; </td></tr>	34'-30\"/>			
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34'-0\"/> <tr><td>34'-6\"/&gt; <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr></td></tr>	34'-6\"/> <tr><td>34'-12\"/&gt; <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr></td></tr>	34'-12\"/> <tr><td>34'-18\"/&gt; <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr></td></tr>	34'-18\"/> <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr>	34'-24\"/> <tr><td>34'-30\"/&gt; </td></tr>	34'-30\"/>					
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34'-18\"/> <tr><td>34'-24\"/&gt; <tr><td>34'-30\"/&gt; </td></tr></td></tr>	34'-24\"/> <tr><td>34'-30\"/&gt; </td></tr>	34'-30\"/>								
34'-24\"/> <tr><td>34'-30\"/&gt; </td></tr>	34'-30\"/>									
34'-30\"/>										



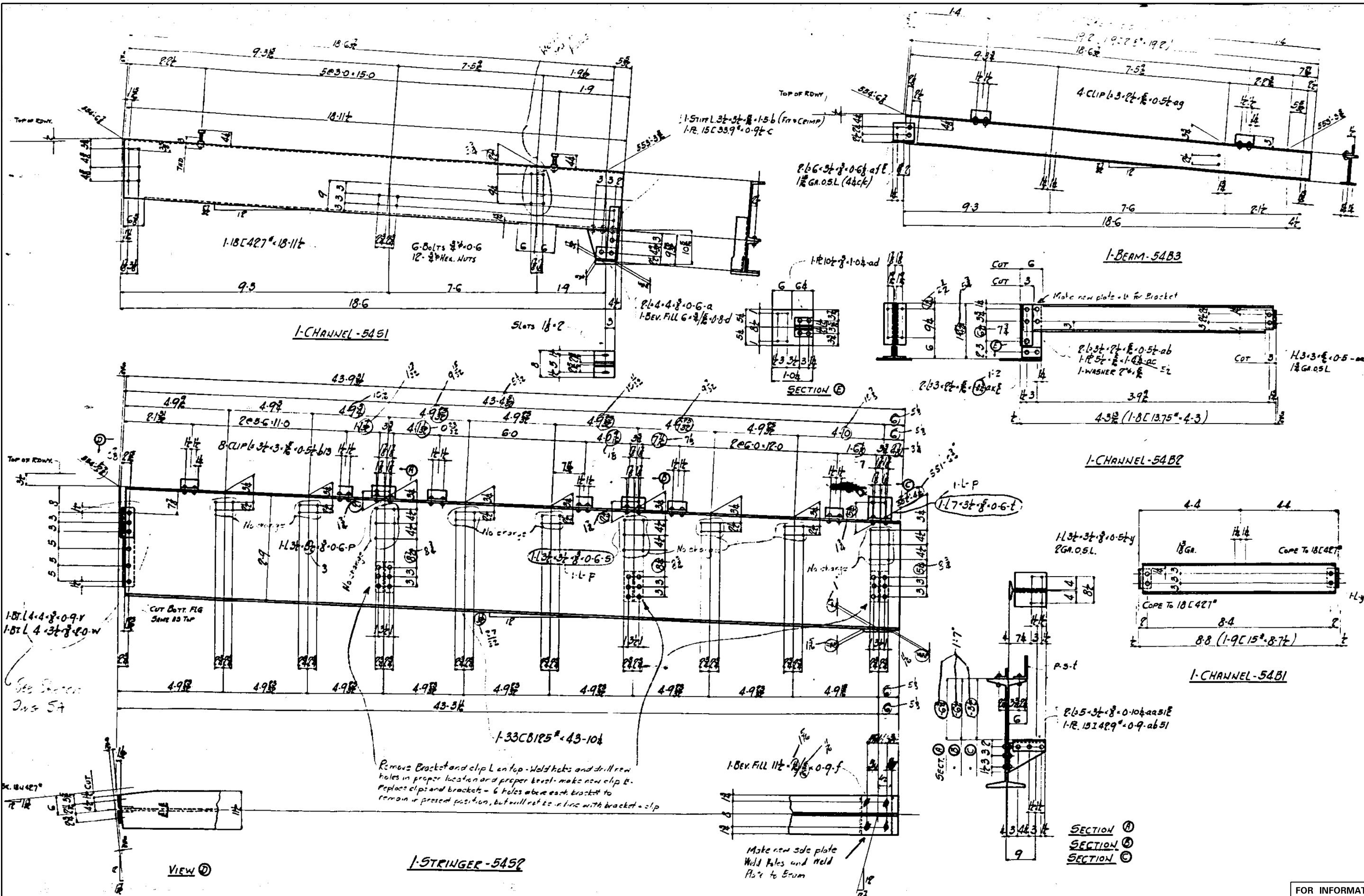
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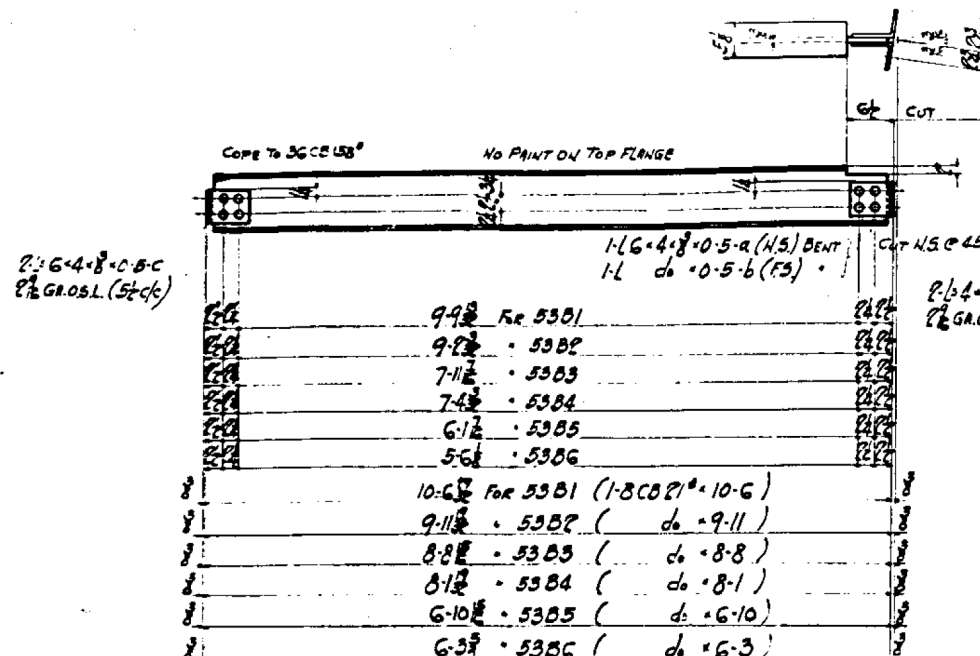
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CHECKED - JMS	REVISED -	
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE	CHECKED - JMS	REVISED -

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APPROACH SPAN SIDEWALK STRINGERS AND BEAMS II  
STRUCTURE NO. 099-0101

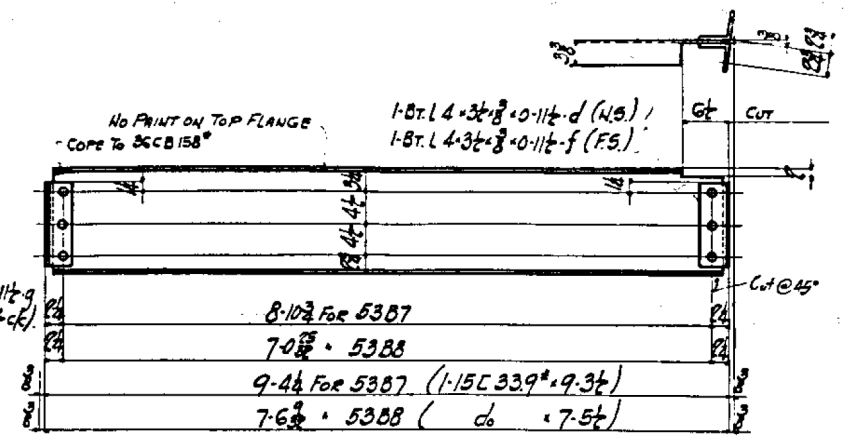
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	35
CONTRACT NO. 62B38			ILLINOIS FED. AID PROJECT	

SHEET NO. S31 OF S40 SHEETS

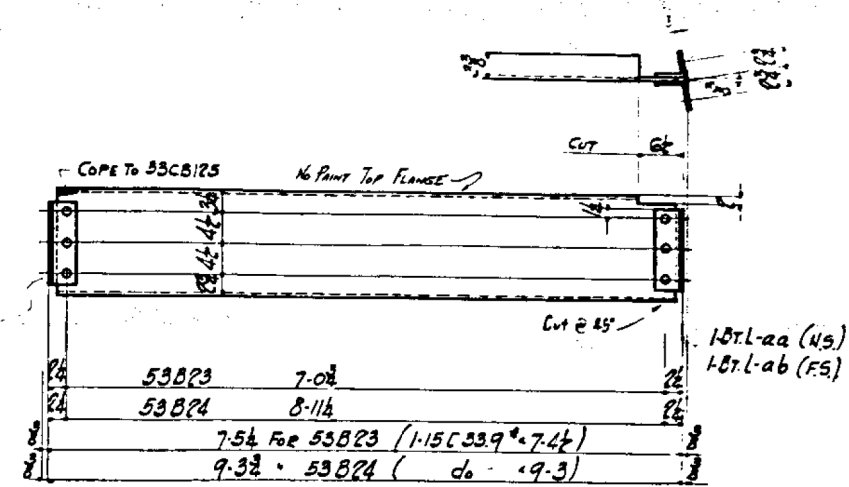


9-9 1/2	For 53B1
9-9 1/2	• 53B2
7-1 1/2	• 53B3
7-4 1/2	• 53B4
6-1 1/2	• 53B5
5-6 1/2	• 53B6
10-6 1/2	For 53B1 (1-8CB21 = 10-6)
9-11 1/2	• 53B2 (d_0 = 9-11)
8-8 1/2	• 53B3 (d_0 = 8-8)
8-1 1/2	• 53B4 (d_0 = 8-1)
6-10 1/2	• 53B5 (d_0 = 6-10)
6-3 1/2	• 53B6 (d_0 = 6-3)

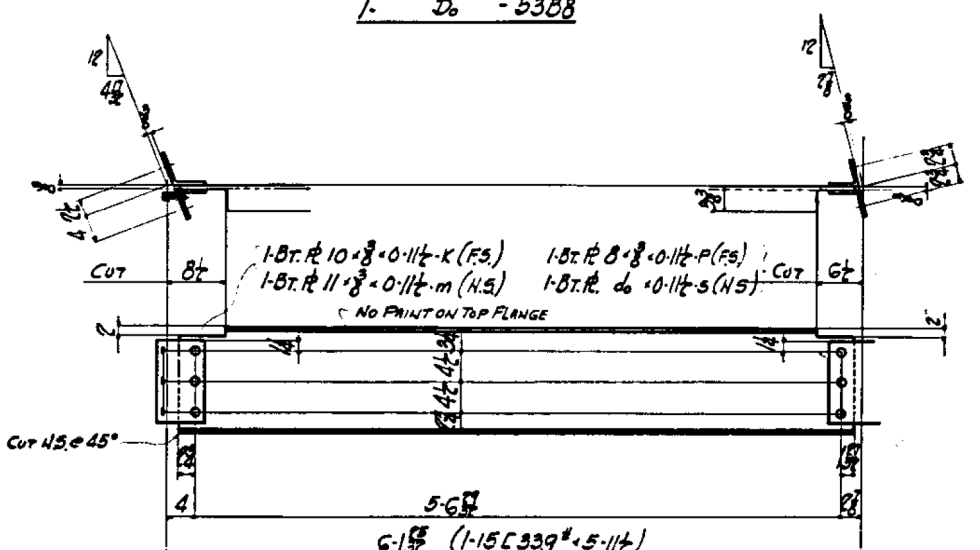
- 1-BEAM - 53B1
- 1- d\_0 - 53B2
- 1- d\_0 - 53B3
- 1- d\_0 - 53B4
- 1- d\_0 - 53B5
- 1- d\_0 - 53B6



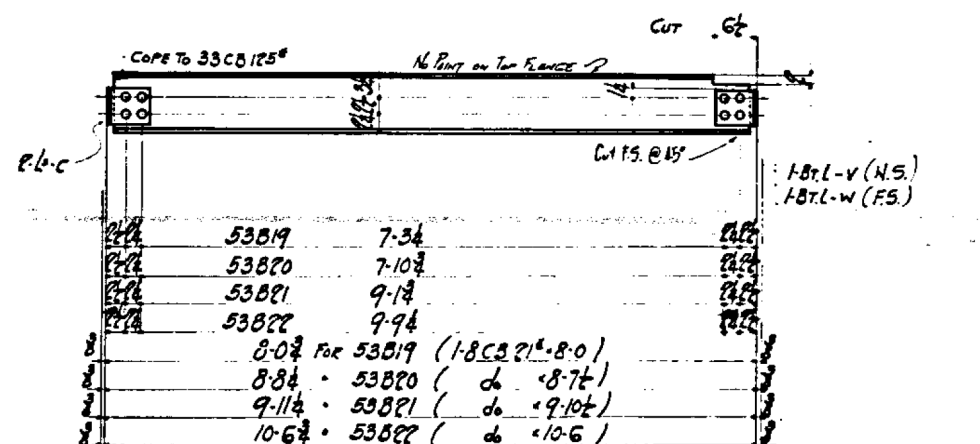
- 1-CHANNEL - 53B7
- 1- d\_0 - 53B8



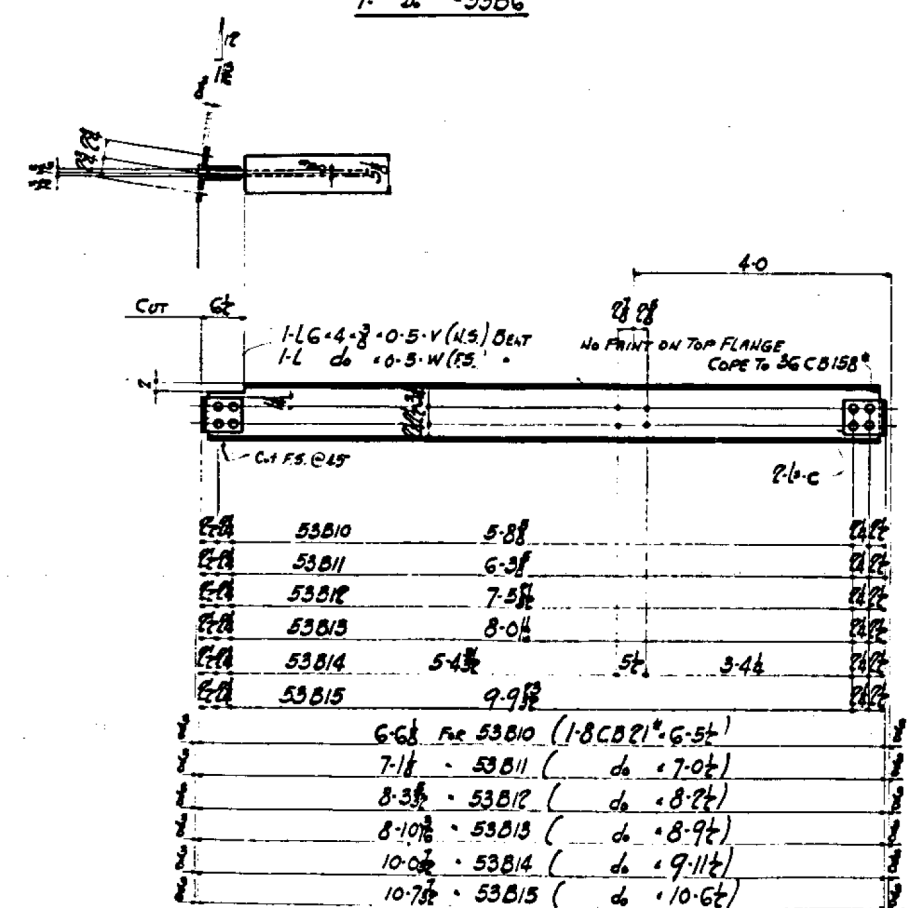
- 1-CHANNEL - 53B23
- 1- d\_0 - 53B24



- 1-CHANNEL - 53B9

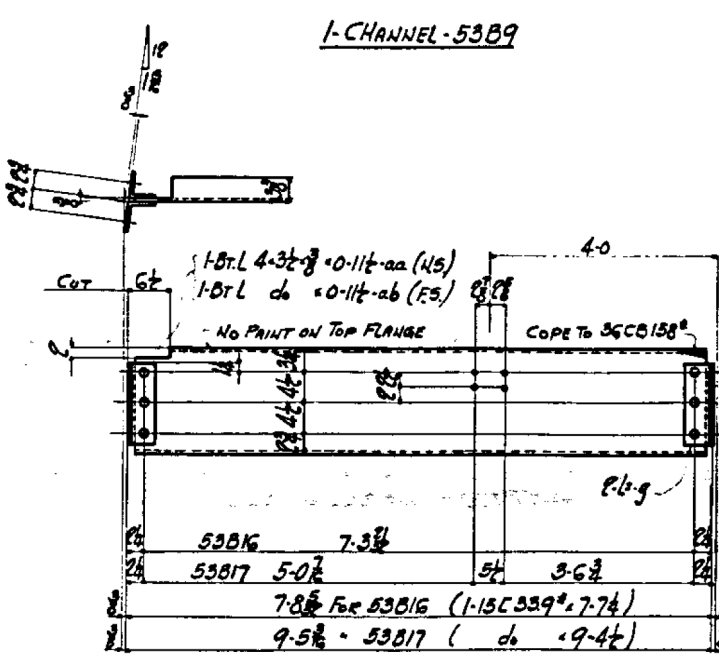


- 1-BEAM - 53B19
- 1- d\_0 - 53B20
- 1- d\_0 - 53B21
- 1- d\_0 - 53B22

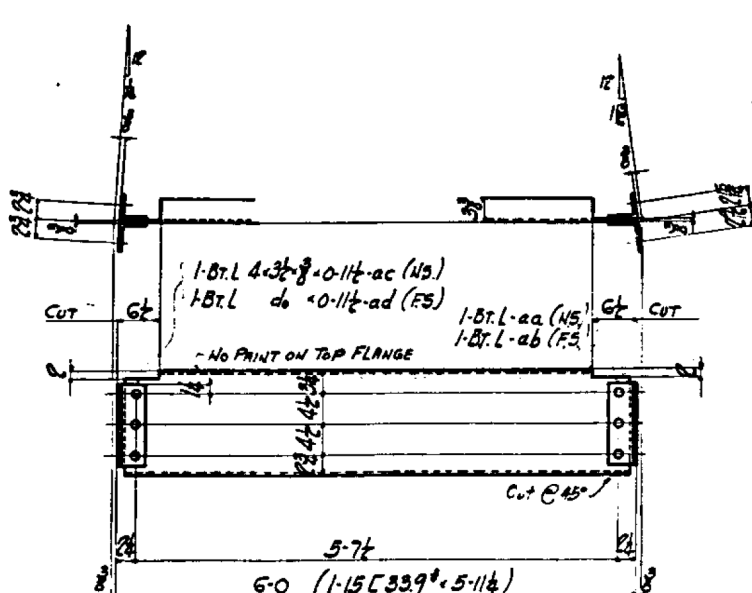


53B10	5-8 1/2
53B11	6-3 1/2
53B12	7-5 1/2
53B13	8-0 1/2
53B14	5-4 1/2
53B15	9-9 1/2
6-6 1/2	For 53B10 (1-8CB21 = 6-5 1/2)
7-1 1/2	• 53B11 (d_0 = 7-0 1/2)
8-3 1/2	• 53B12 (d_0 = 8-2 1/2)
8-10 1/2	• 53B13 (d_0 = 8-9 1/2)
10-0 1/2	• 53B14 (d_0 = 9-11 1/2)
10-7 1/2	• 53B15 (d_0 = 10-6 1/2)

- 1-BEAM - 53B10
- 1- d\_0 - 53B11
- 1- d\_0 - 53B12
- 1-BEAM - 53B13
- 1- d\_0 - 53B14
- 1- d\_0 - 53B15

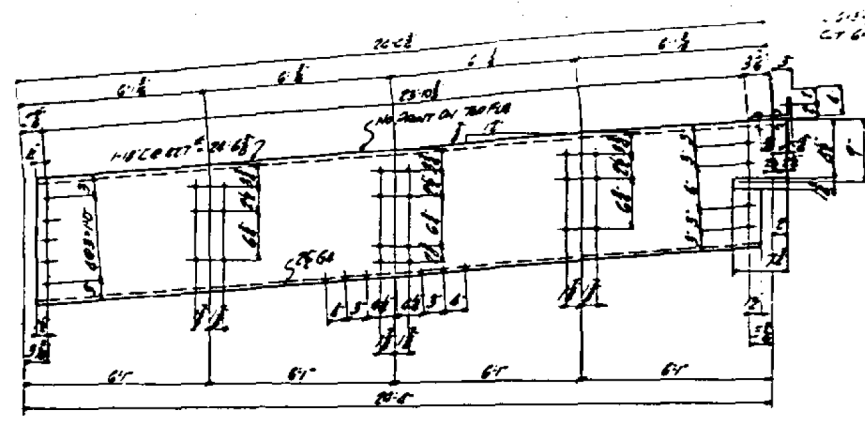


- 1-CHANNEL - 53B16
- 1- d\_0 - 53B17

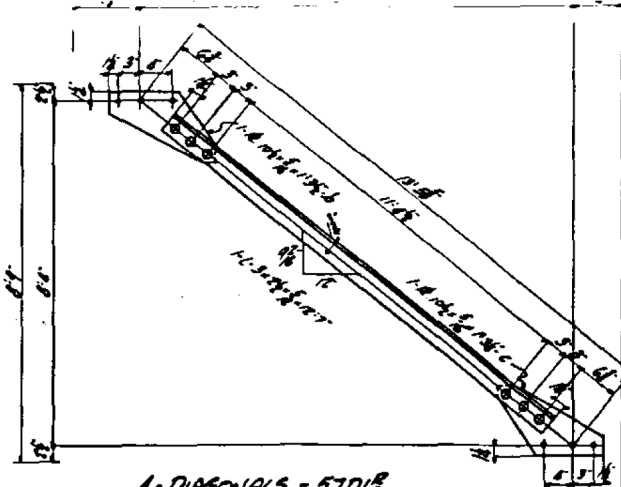


- 1-CHANNEL - 53B18

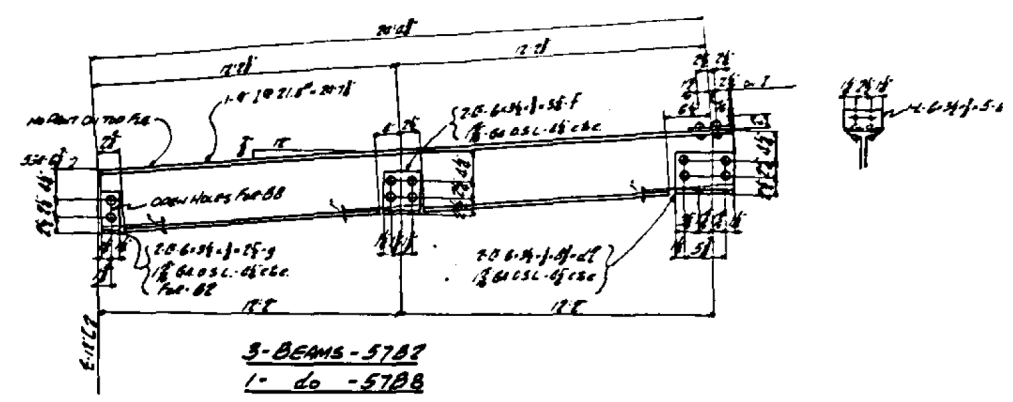
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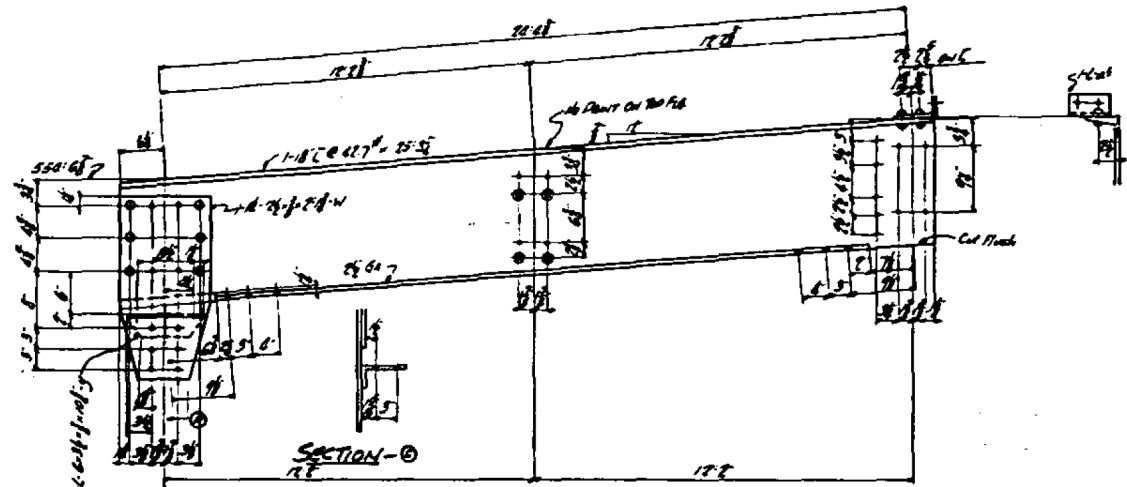
2-CHANNELS-57B1  
2 do -57B4



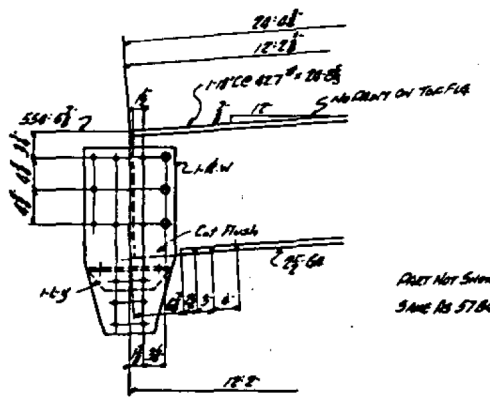
4-DIAGONALS-57D1  
4 do -57D4



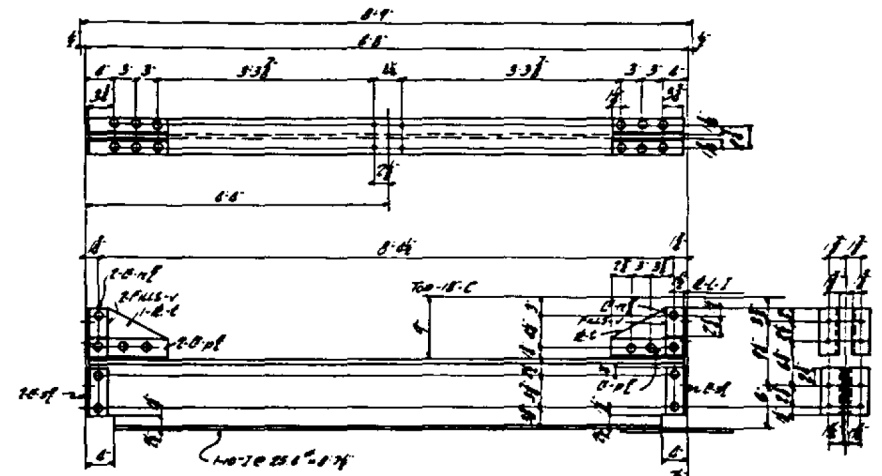
3-BEAMS-57B2  
1 do -57B8



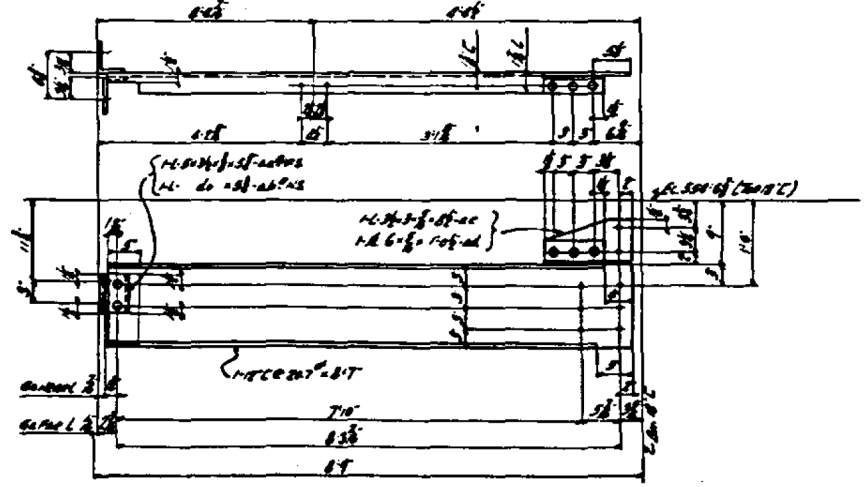
1-CHANNEL-57B4  
2-CHANNELS-57B2



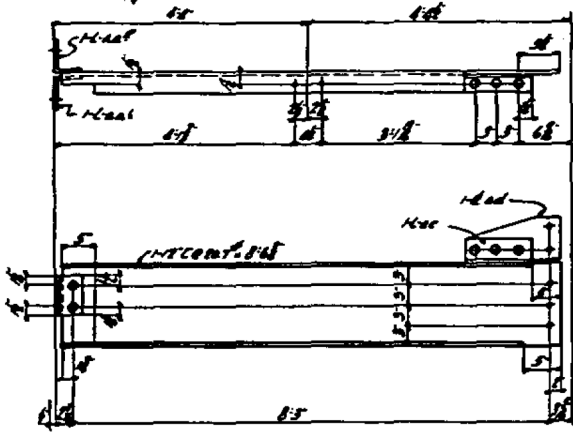
1-CHANNEL-57B5



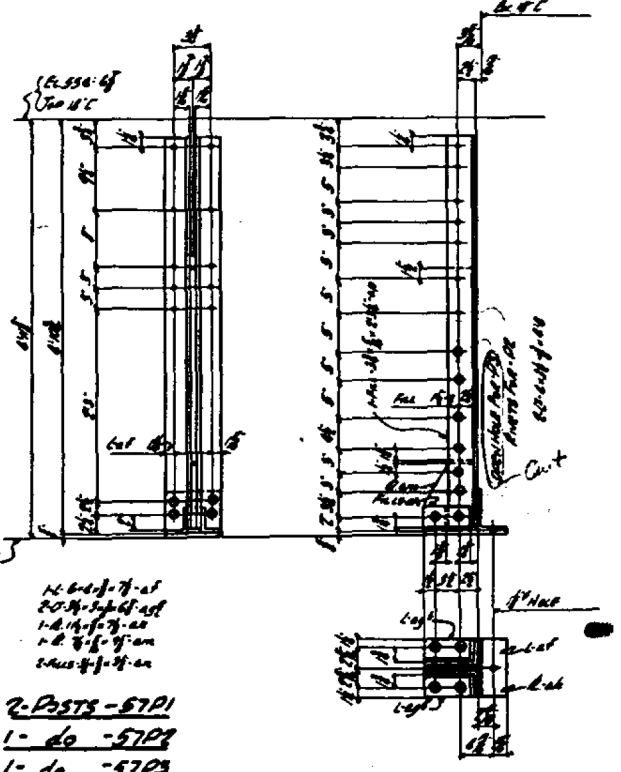
3-BEAMS-57B3  
1-BEAM-57B9



1-CHANNEL-57B6  
2-CHANNELS-57B2



1-CHANNEL-57B7



2-POSTS-57P1  
1 do -57P2  
1 do -57P3

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USER NAME =	DESIGNED - DMM	REVISED -
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PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

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DEPARTMENT OF TRANSPORTATION

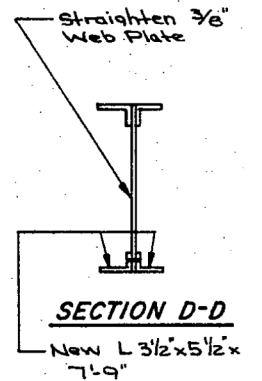
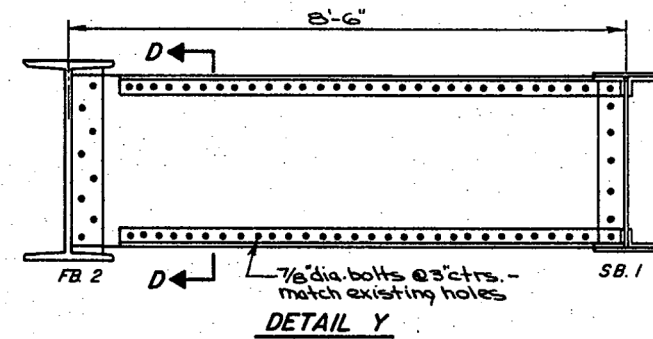
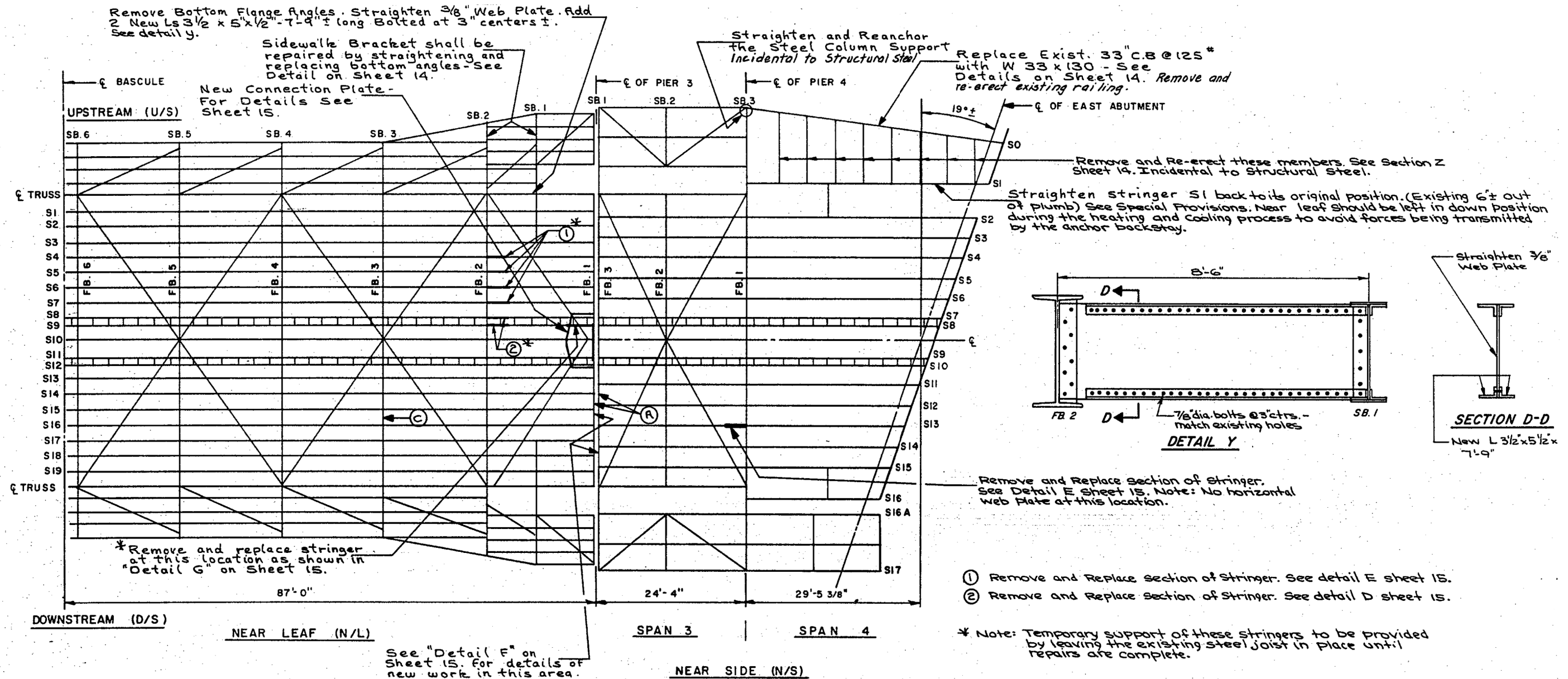
APPROACH SPAN SIDEWALK BEAMS AND LATERAL SUPPORTS  
STRUCTURE NO. 099-0101

SHEET NO. S33 OF S40 SHEETS

F.A.P. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	37
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				

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N  
DES PLAINES RIVER



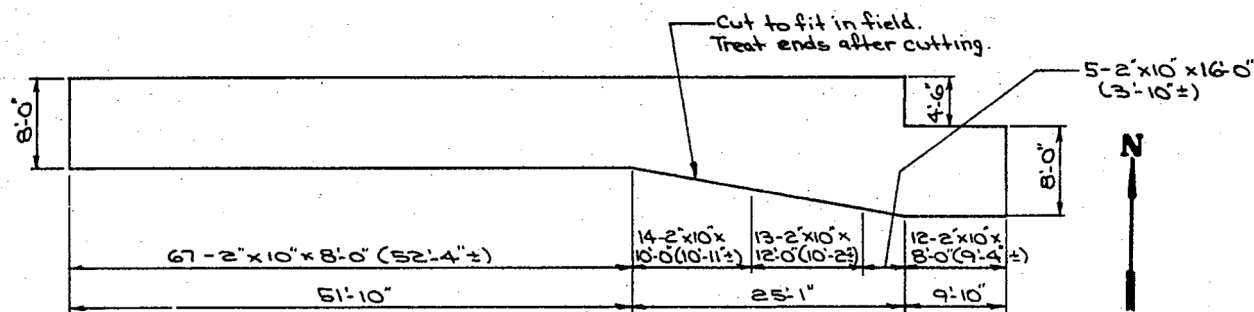
**LEGEND**

- FB. — FLOOR BEAM
- S.B. — SIDEWALK BRACKET
- S. — STRINGER

**HALF PLAN**

- (A) Remove bottom flange cover plate and replace with new  $\frac{7}{8} \times 16 \times 24'-10"$  plate and  $132 \pm \frac{7}{8}$ " dia. bolts. See detail Z sheet 12
- (C) Remove bottom flange cover plate and replace with new  $\frac{7}{8} \times 16 \times 18'-6"$  plate and  $92 \pm \frac{7}{8}$ " dia. bolts. See detail Z sheet 12.

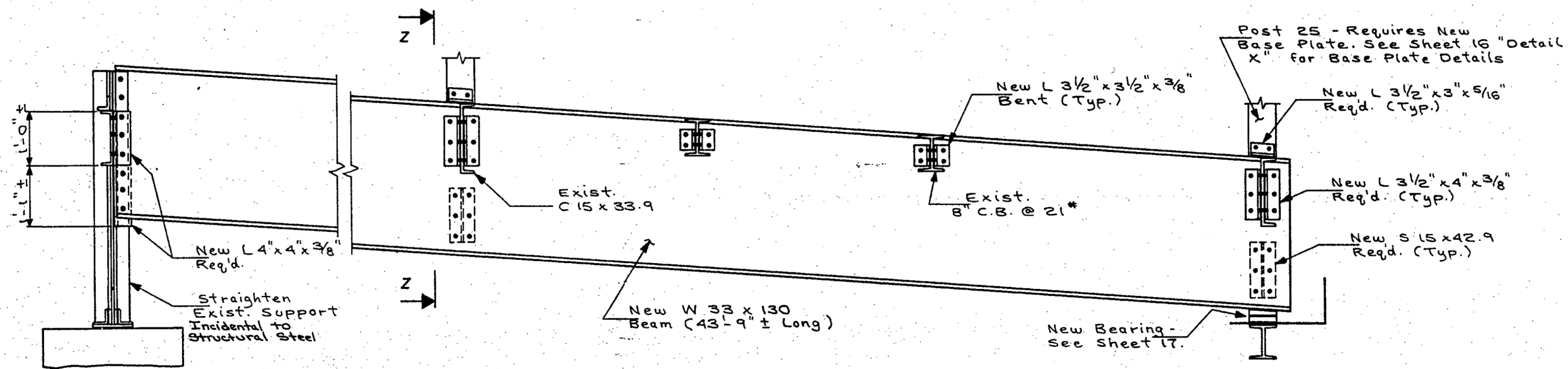
Note: See Sheet 12 For "Rivet Replacement" note.



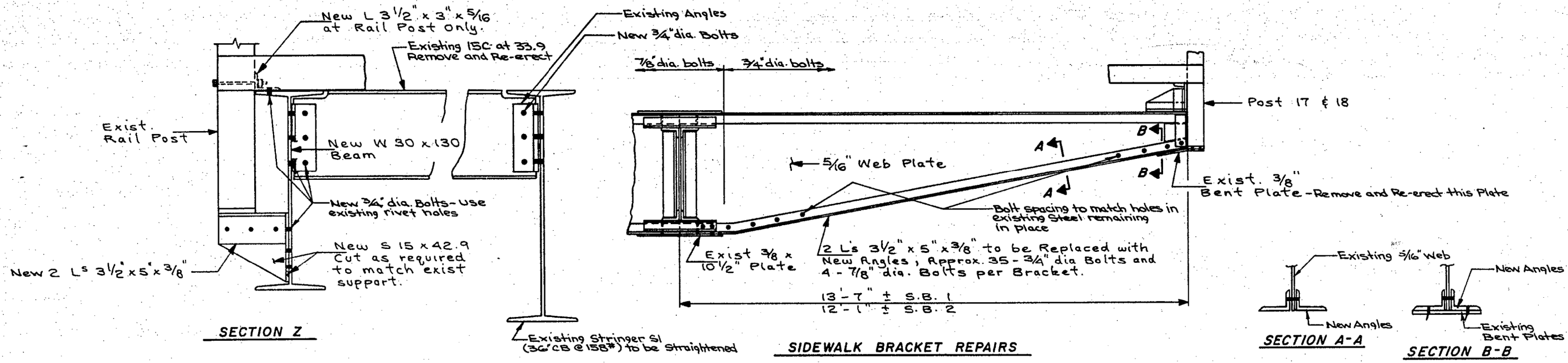
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PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	38
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



**ELEVATION OF SIDEWALK STRINGER**  
(Looking North)



**SECTION Z**

**SIDEWALK BRACKET REPAIRS**

**SECTION A-A**

**SECTION B-B**

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	CHECKED - JMS	REVISED -
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE =	CHECKED - JMS	REVISED -

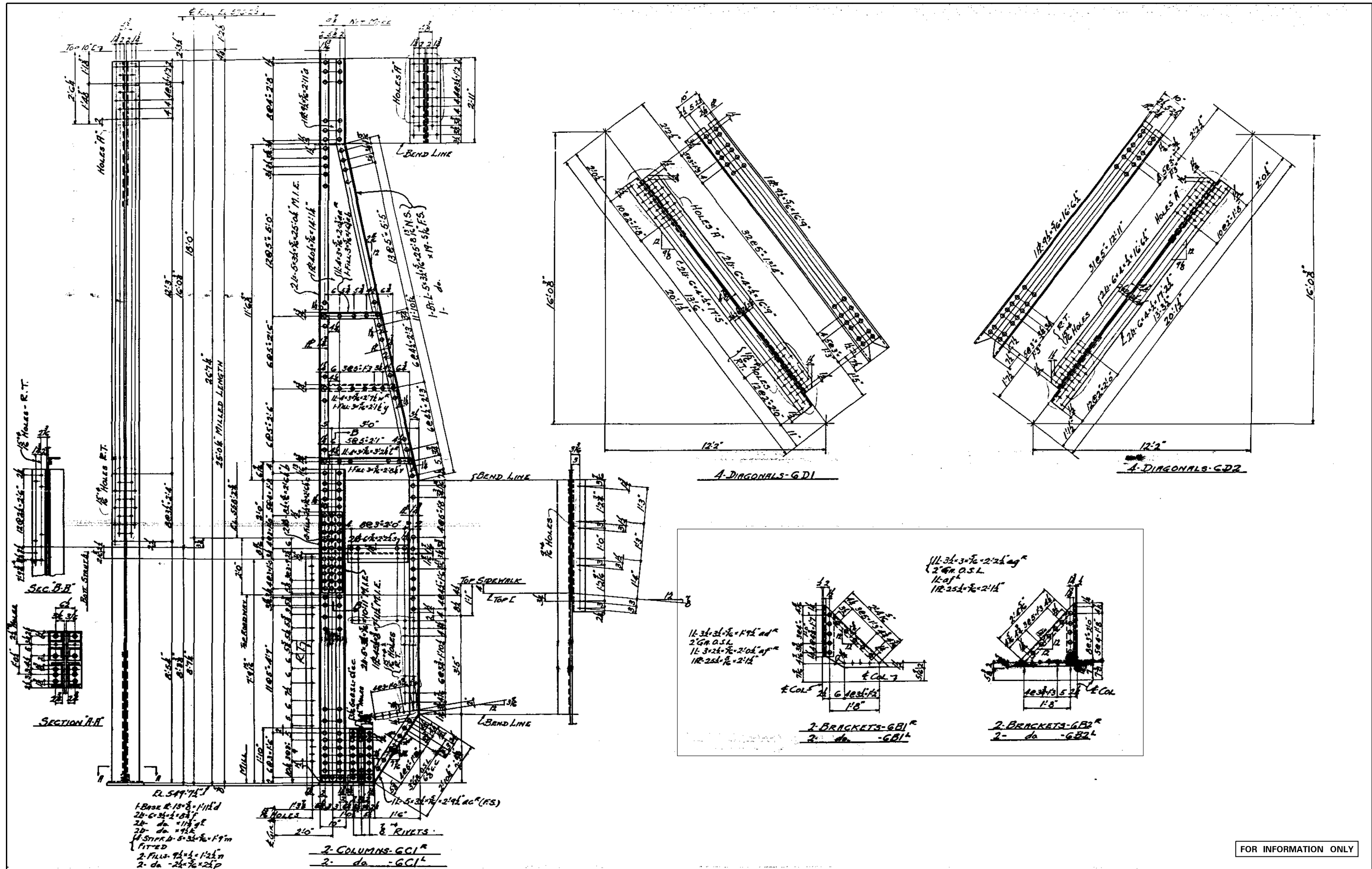
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROACH SPAN REPAIRED SIDEWALK STRINGER II  
STRUCTURE NO. 099-0101

SHEET NO. S35 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	39
CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				





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**COLLINS ENGINEERS**

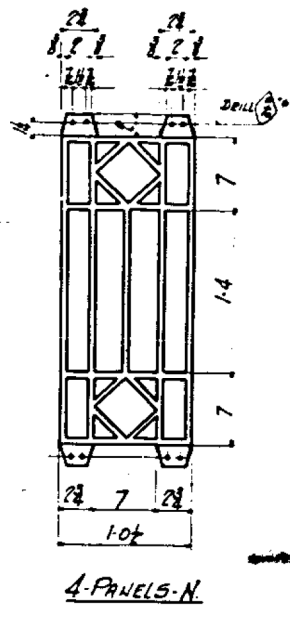
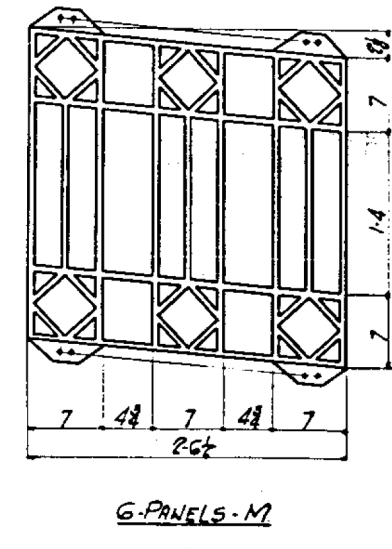
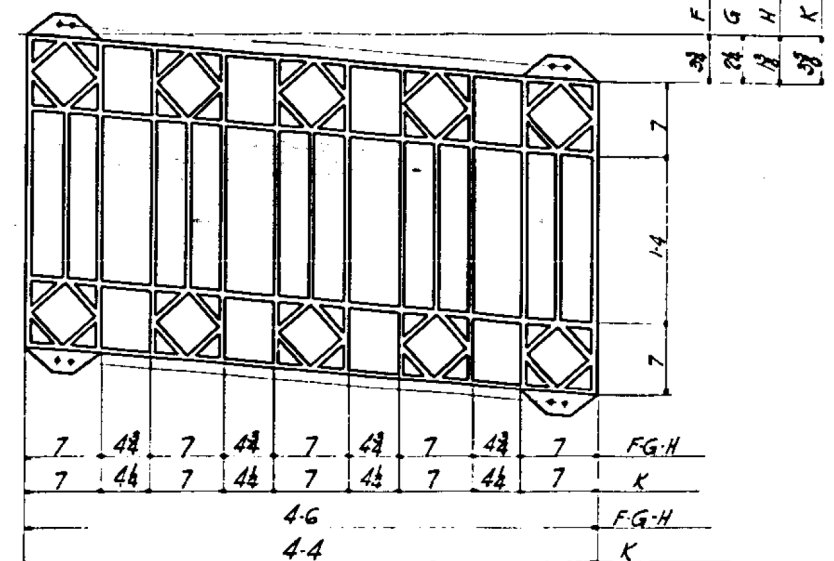
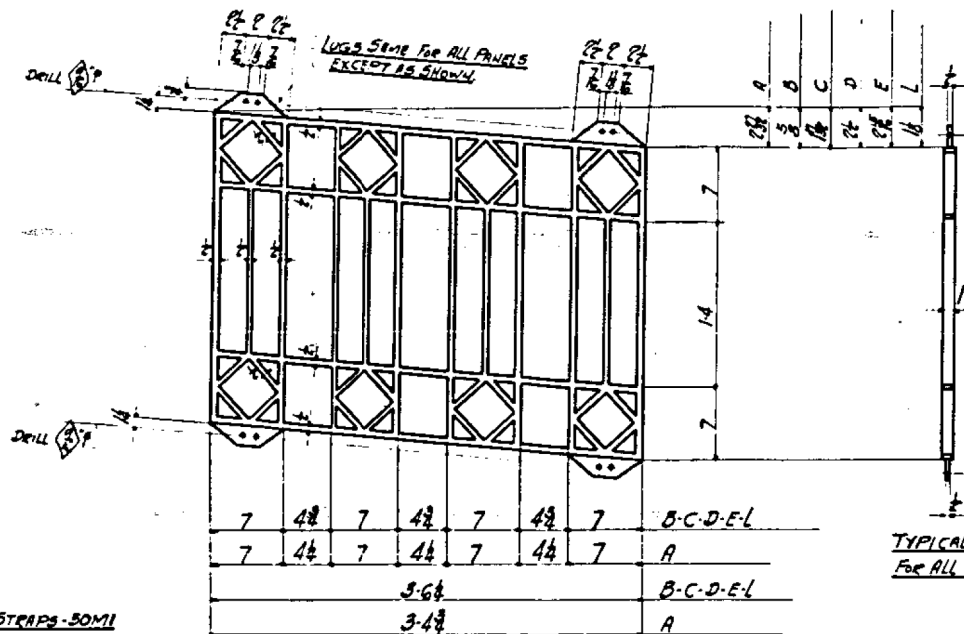
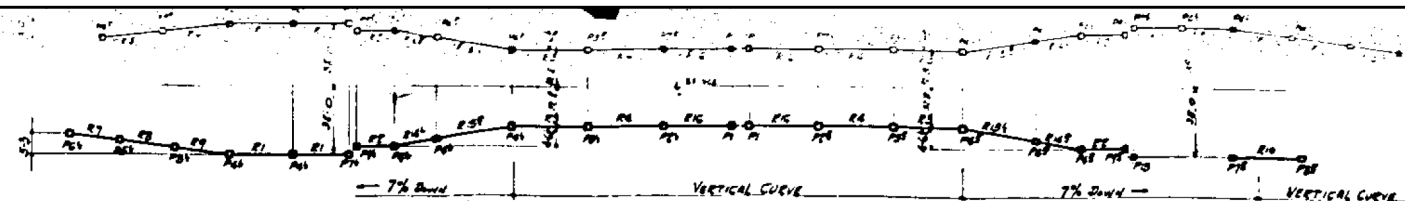
USER NAME =	DESIGNED - DMM	REVISED -
PLOT SCALE =	CHECKED - JMS	REVISED -
PLOT DATE =	DRAWN - DR	REVISED -
	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROACH SPAN SIDEWALK LATERAL SUPPORTS  
STRUCTURE NO. 099-0101

SHEET NO. S36 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62B38				
ILLINOIS FED. AID PROJECT				



520-STRAPS-50M1

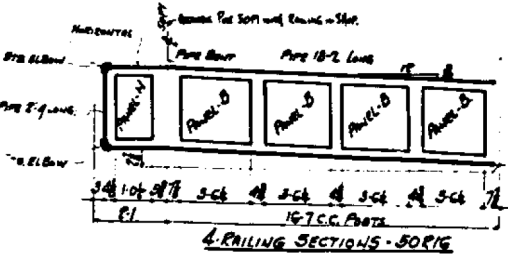
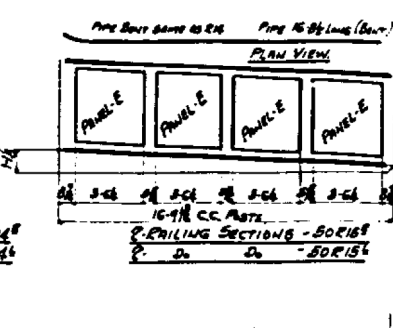
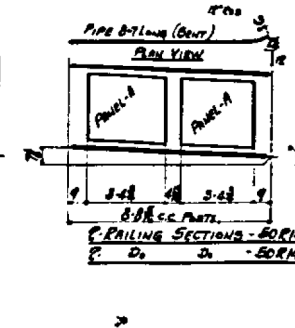
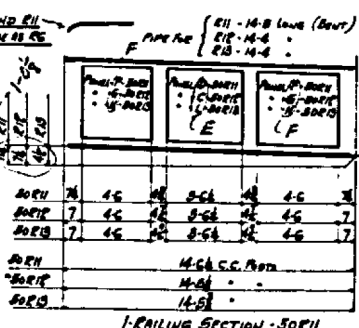
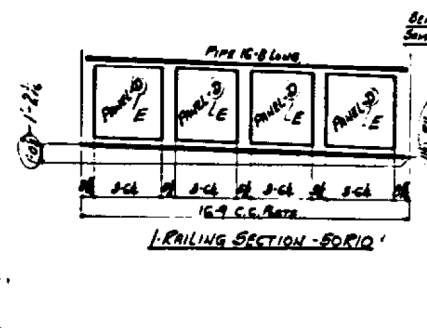
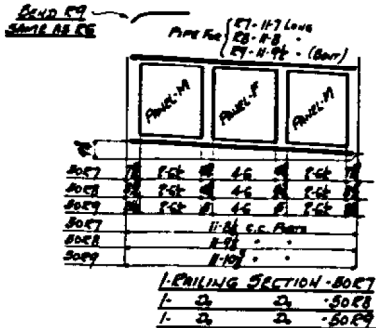
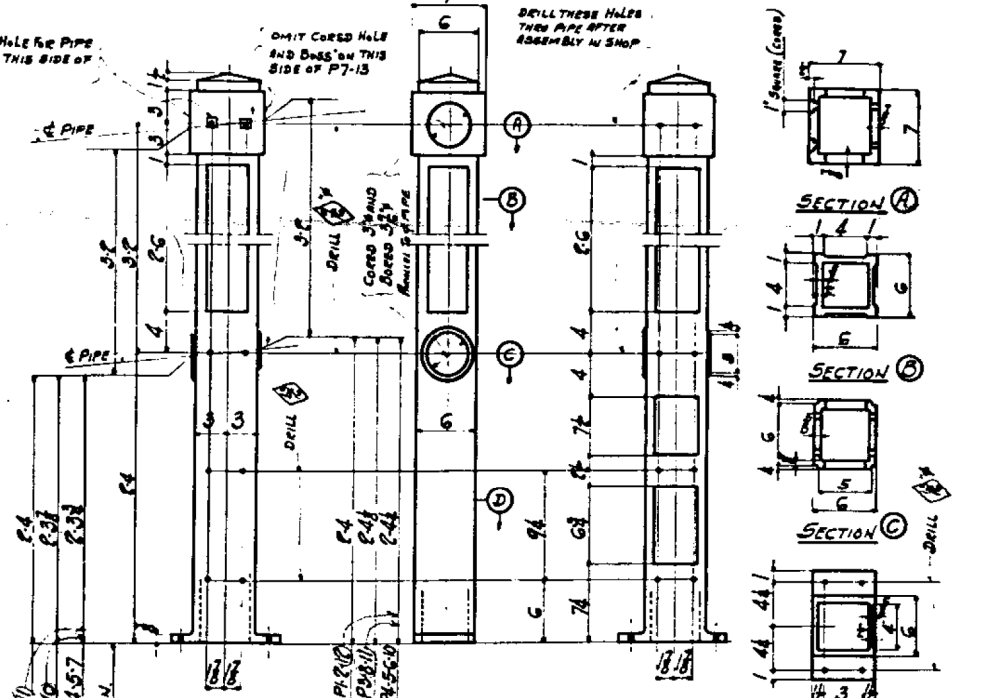
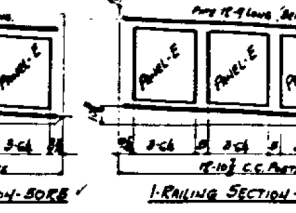
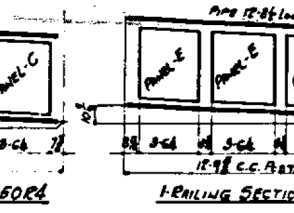
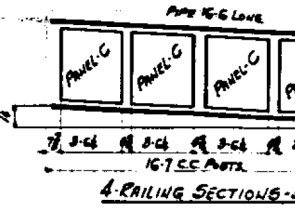
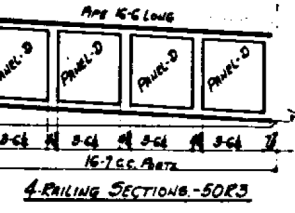
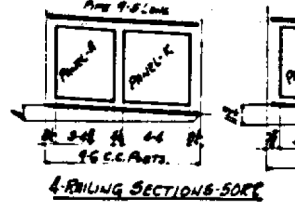
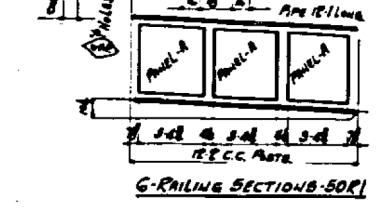
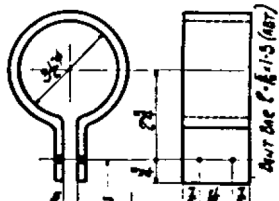
- 30-PANELS-A  
 16-20-B  
 16-17-20-C  
 16-17-20-D  
 17-17-20-E  
 21-21-20-L

- 9-5-PANELS-F  
 16-20-G  
 16-20-H  
 4-20-K

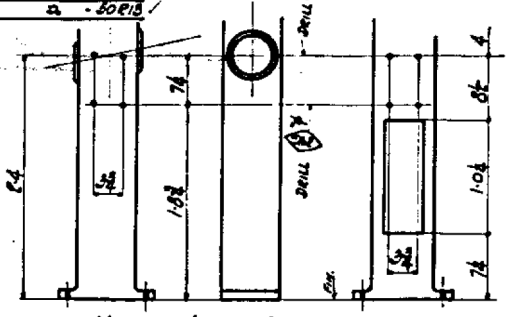
OMIT CORED HOLE FOR PIPE AND BASS ON THIS SIDE OF PG-8-9-12-13

OMIT CORED HOLE FOR PIPE AND BASS ON THIS SIDE OF P7-13

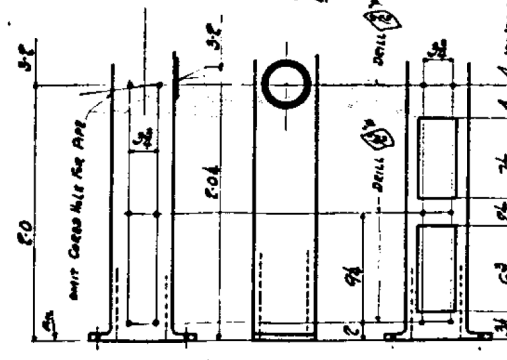
DRILL THESE HOLES THEN PIPE AFTER ASSEMBLY IN SHOP



1040-BOLTS 1/2" DIA. HEX. NO. 9 NUT FOR CONNECTING RAILING PANELS TO BENT STRAPS.  
 82-BOLTS 1/2" DIA. HEX. NO. 9 NUT FOR CONNECTING TO POSTS.  
 82-BOLTS 1/2" DIA. HEX. NO. 9 NUT FOR CONNECTING BOTTOM CHAIN TO POSTS.



- 1-POST-50P35  
 2-POSTS-50P36  
 1-POST-50P37  
 1-20-50P38  
 1-20-50P39  
 1-20-50P40



- 4-POSTS-50P1  
 2-20-50P2  
 2-20-50P3  
 8-20-50P4  
 10-20-50P5

- 2-POSTS-50P45  
 2-20-50P46

RAILING PANELS-MALLEABLE IRON  
 RAILING POSTS-CAST IRON  
 PIPE-3" BLACK EXTRA STRONG  
 GENUINE WELDED IRON

FOR INFORMATION ONLY

COLLINS ENGINEERS

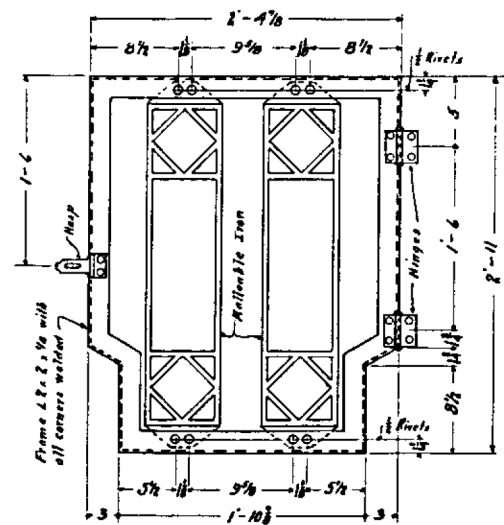
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

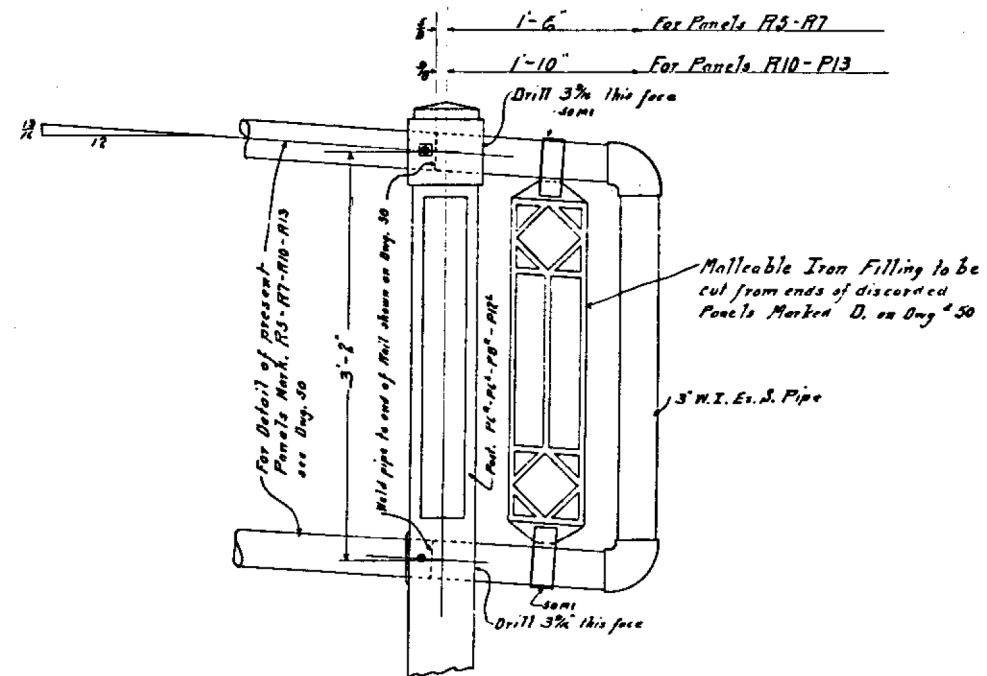
ORNAMENTAL RAILINGS I  
 STRUCTURE NO. 099-0101

SHEET NO. S37 OF S40 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	41
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				



Read 1 - Gate as shown



Extension to Railing Panels  
Mark. R5-R7-R10 & R13 shown on Dwg. 50

FOR INFORMATION ONLY

**COLLINS**  
ENGINEERS

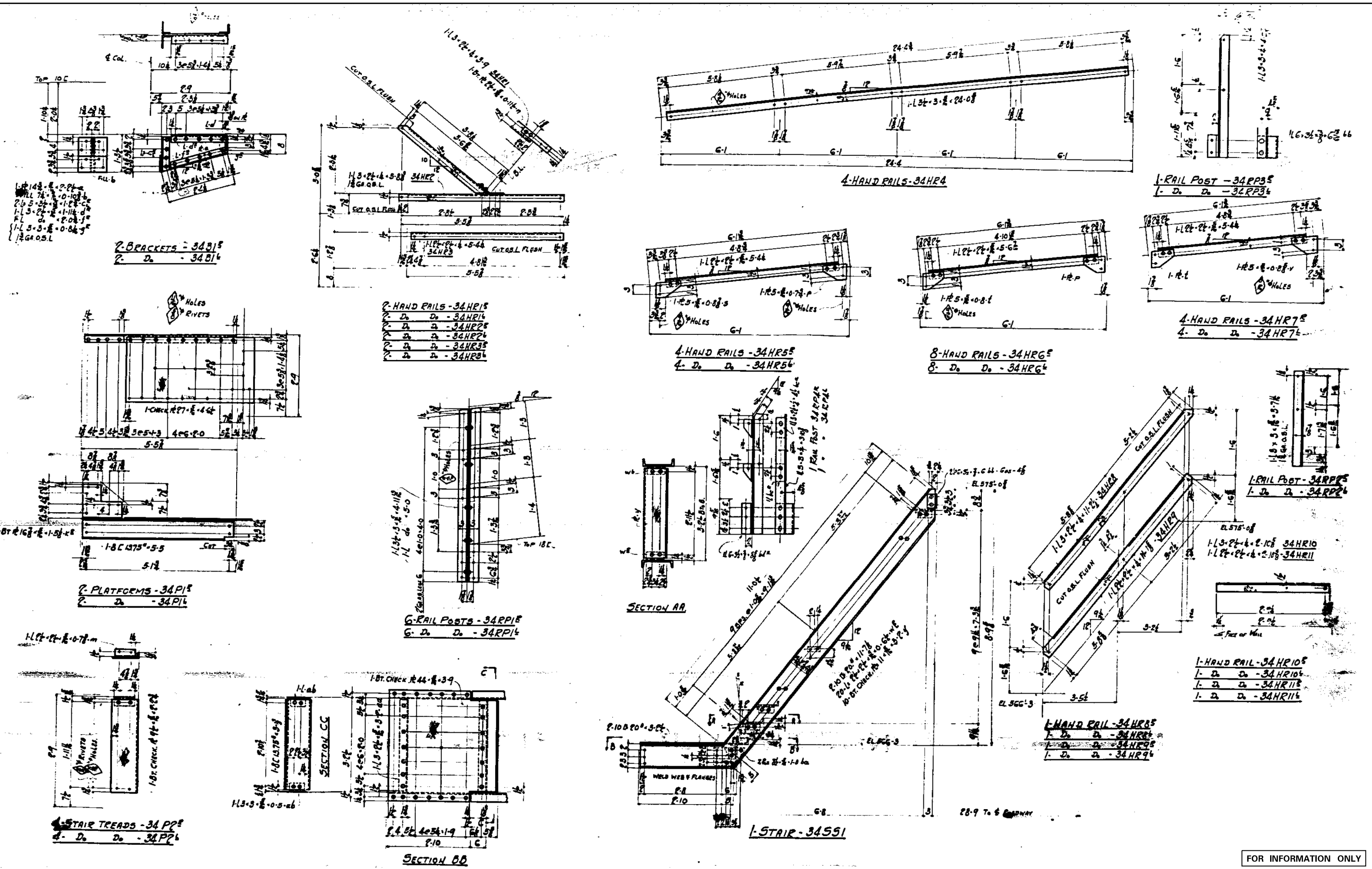
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PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE =	CHECKED - JMS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ORNAMENTAL RAILINGS II  
STRUCTURE NO. 099-0101

SHEET NO. S38 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	42
			CONTRACT NO. 62B38	
ILLINOIS FED. AID PROJECT				



**COLLINS ENGINEERS**

USER NAME =	DESIGNED - DMM	REVISED -
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	CHECKED - JMS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

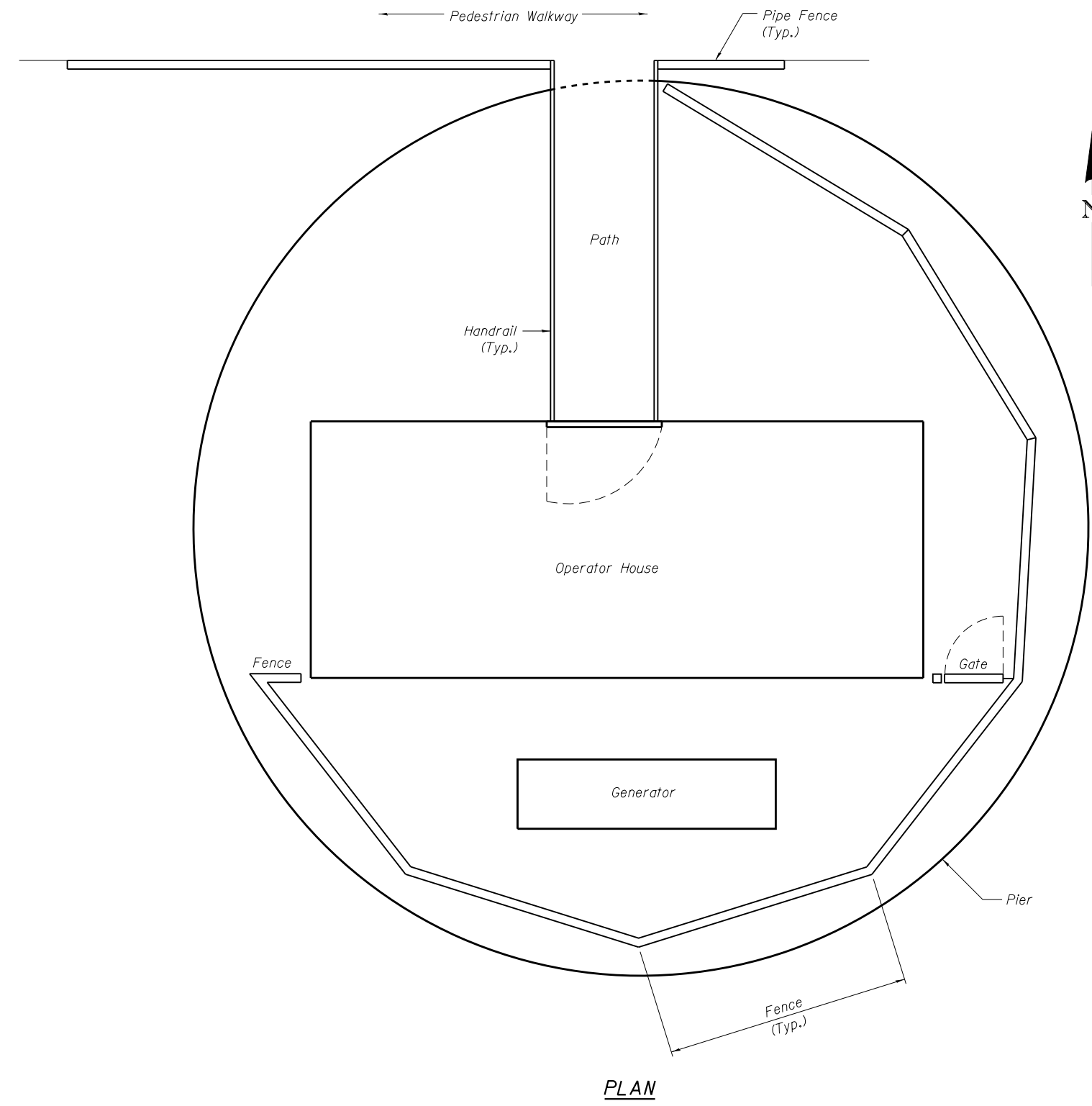
**INTERIOR RAILINGS  
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SHEET NO. S39 OF S40 SHEETS

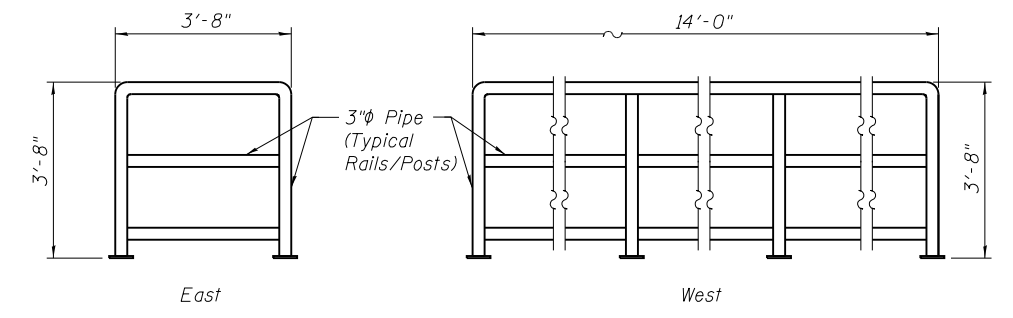
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	43
				CONTRACT NO. 62B38

FOR INFORMATION ONLY

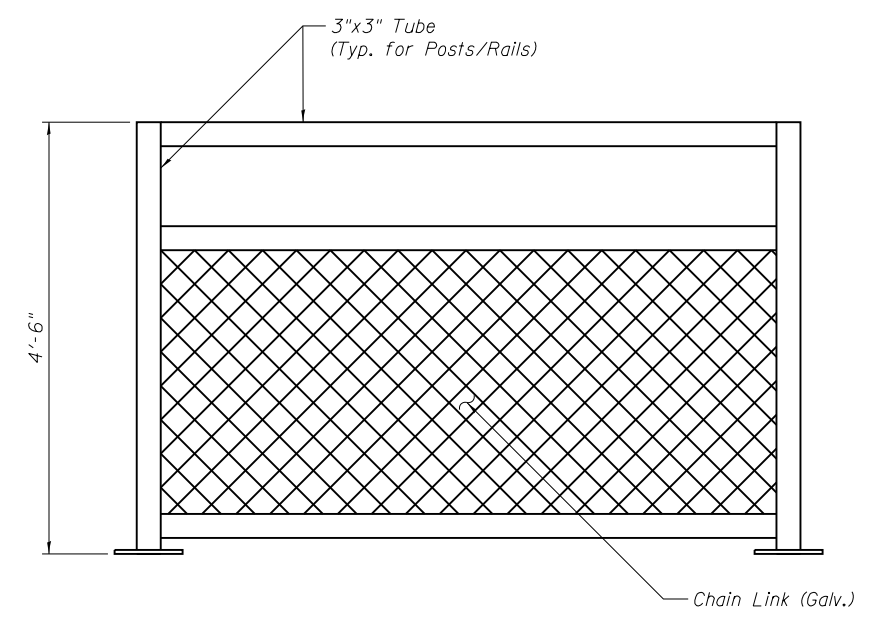
ILLINOIS FED. AID PROJECT



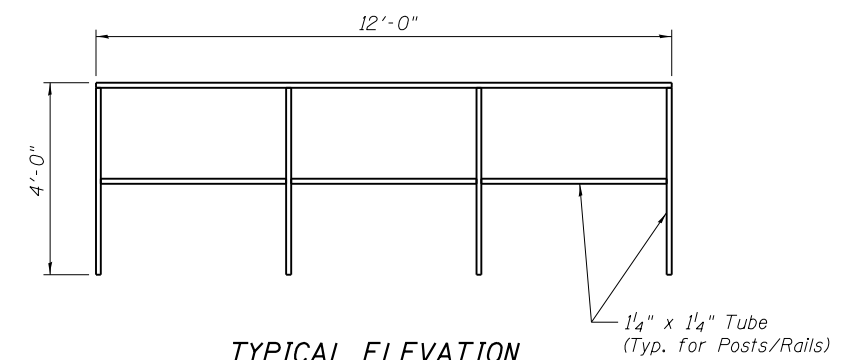
**PLAN**



**TYPICAL ELEVATION**  
Pipe Fence Along Pedestrian Walkway



**TYPICAL ELEVATION**  
Fence Around Pier



**TYPICAL ELEVATION**  
Handrail Along Path to Operator House

**FOR INFORMATION ONLY**

**COLLINS ENGINEERS**

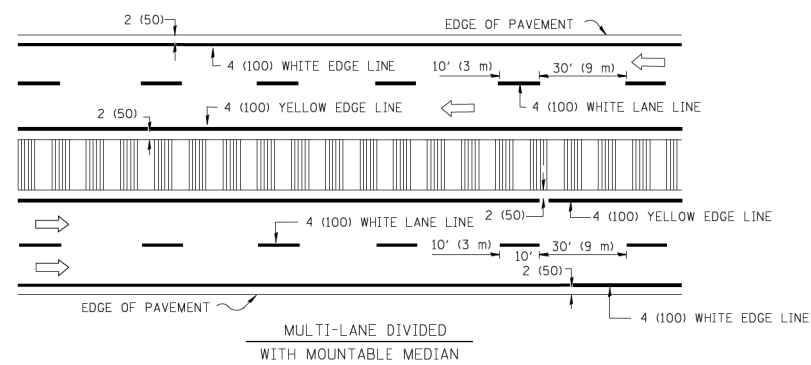
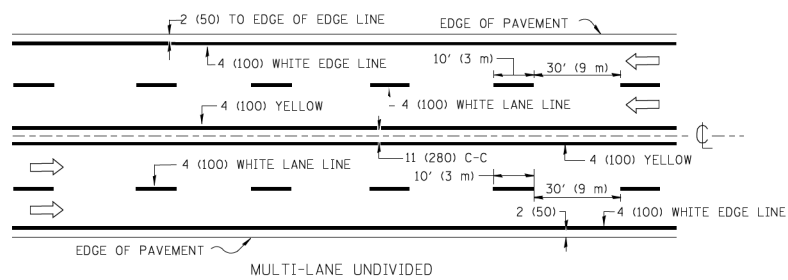
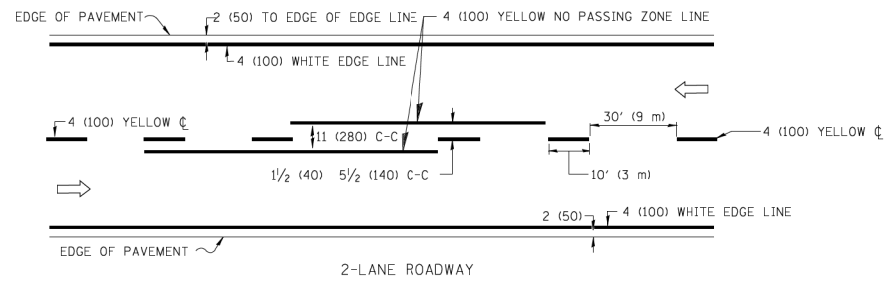
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	DRAWN -	REVISED -
PLOT SCALE = 4.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/6/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERATOR ACCESS  
STRUCTURE NO. 099-0101**

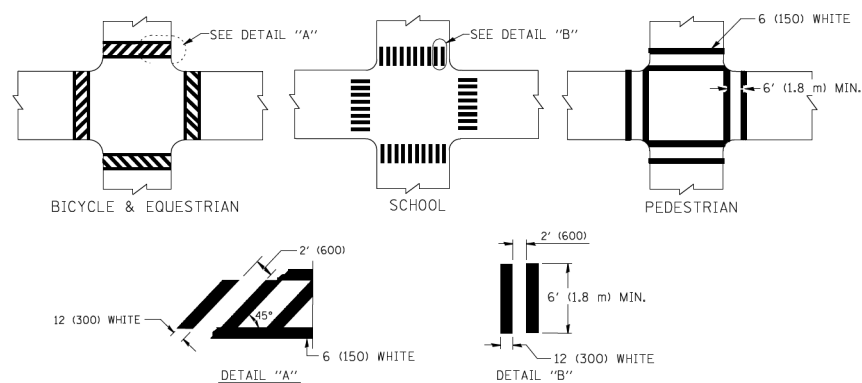
SHEET NO. S40 OF S40 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62B38			ILLINOIS FED. AID PROJECT	

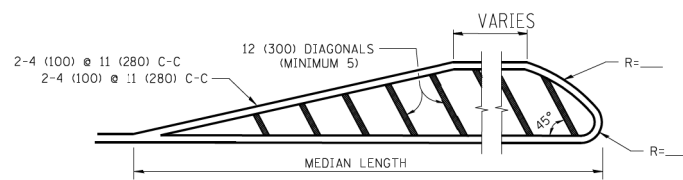
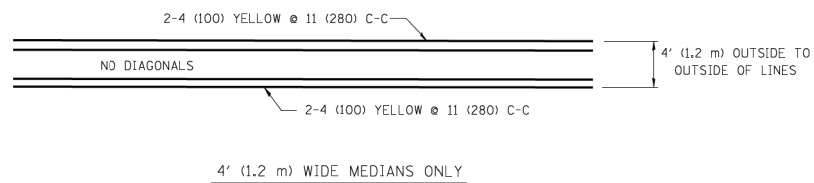


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

### TYPICAL LANE AND EDGE LINE MARKING



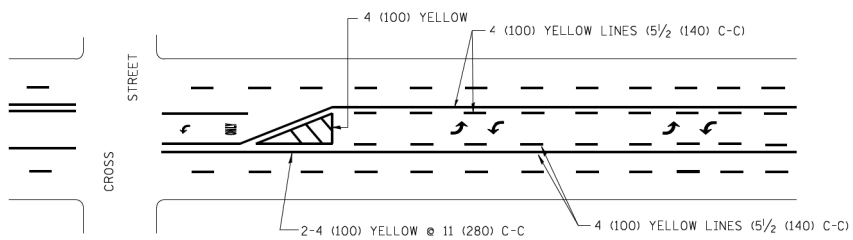
### TYPICAL CROSSWALK MARKING



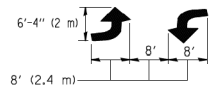
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

### MEDIANS OVER 4' (1.2 m) WIDE

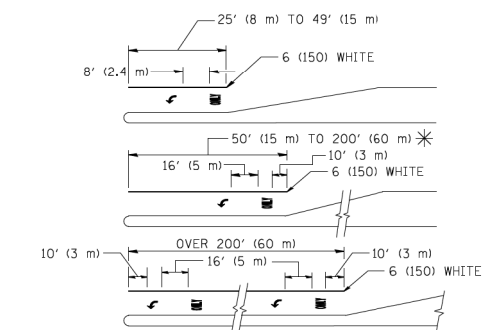


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



### MEDIAN WITH TWO-WAY LEFT TURN LANE

### TYPICAL PAINTED MEDIAN MARKING

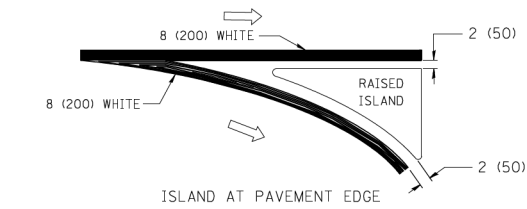
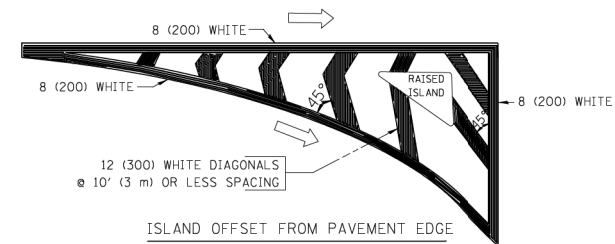


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

### TYPICAL LEFT (OR RIGHT) TURN LANE

### TYPICAL TURN LANE MARKING



### TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	2' (600) APART
				SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

P.F.A. - RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	44A
TC-13		CONTRACT NO. 62B38		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**ROUTE MARKERS**

FOR U.S. ROUTES  
MI-50-2424

FOR ILLINOIS ROUTES  
MI-50-2424

R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

M5-1L-2115

M5-1R-2115

M6-1L-2115

M6-1R-2115

M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

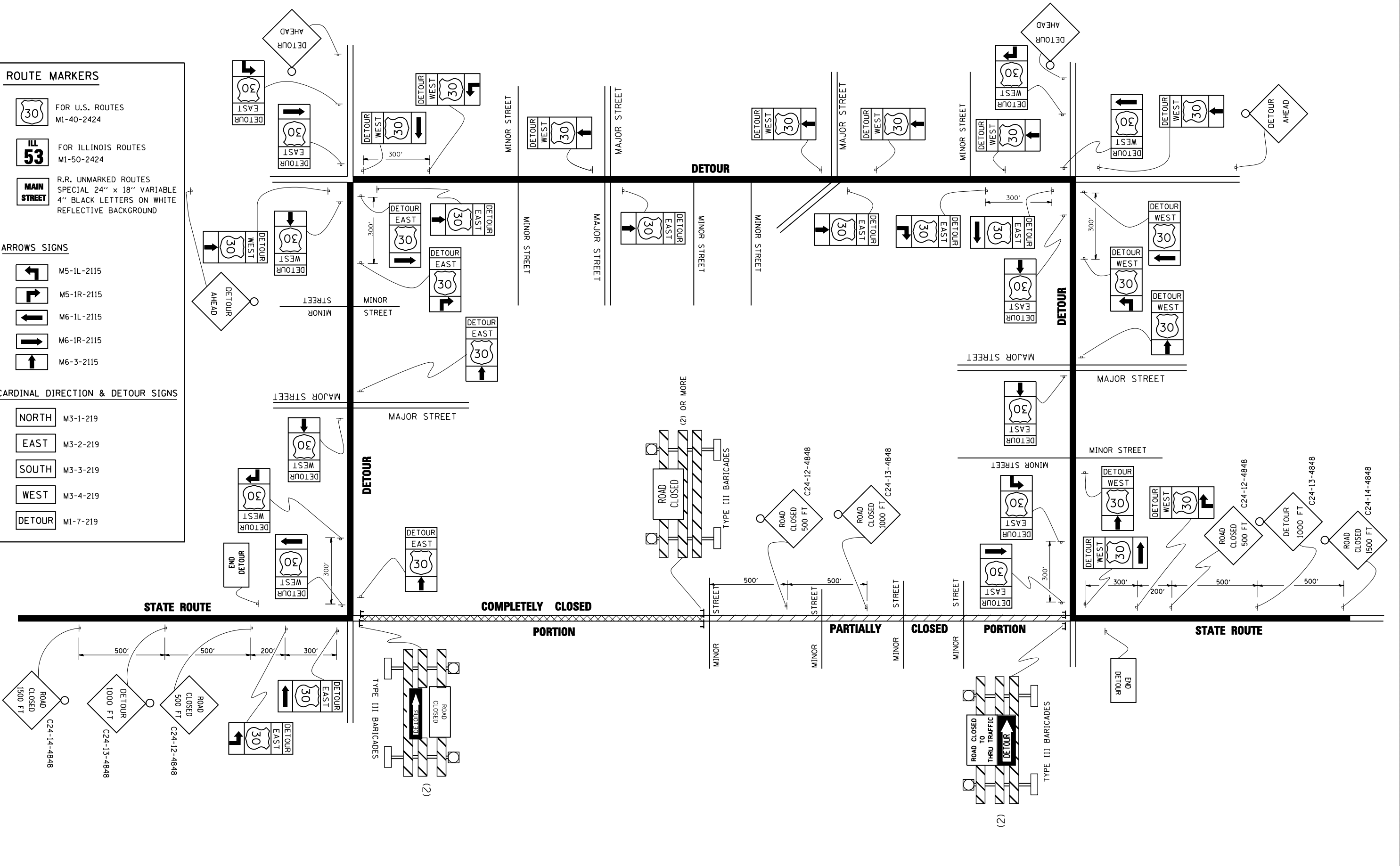
NORTH M3-1-219

EAST M3-2-219

SOUTH M3-3-219

WEST M3-4-219

DETOUR MI-7-219



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PLOT SCALE = 50.0000' / IN.

PLOT DATE = 1/4/2008

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED - 10-18-02

REVISED -

REVISED -

REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL MARKING  
FOR CLOSING STATE HIGHWAYS**

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(G-R) BP	WILL	45	45
<b>TC-21</b>			<b>CONTRACT NO. 62B38</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				