

**STRUCTURAL STEEL NOTES**

ALL FURNISHING, FABRICATING, TRANSPORTING, ERECTING AND PAINTING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTION 54 AND 55 OF THE STANDARD SPECIFICATIONS.

EXCEPT WHERE OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL CONFORM TO SPECIFICATIONS FOR STEEL FOR BRIDGES AND BUILDINGS ASTM DESIGNATION A-7 AND ASTM DESIGNATION A-372 AND WHERE APPLICABLE, TO THE REQUIREMENTS OF ARTICLE 124.2, AND 124.3 (a) OF THE STANDARD SPECIFICATIONS.

**BEARING AND SPLICE NOTES:-**

ALL GIRDER FIELD SPLICES SHALL BE SUB-PUNCHED, REAMED AND MATCH-MARKED FOR SHIPMENT WHILE THE MEMBERS ARE SHOP ASSEMBLED IN PROPER ALIGNMENT WITH OR WITHOUT DIAPHRAGMS. ALL GIRDER FIELD SPLICES SHALL BE SUB-PUNCHED 1/16" Ø BEHIND TO 13/16" Ø FOR 3/4" Ø BOLTS AND REAMED TO 15/16" Ø FOR 7/8" Ø BOLTS.

ALL GIRDERS SHALL BE ERECTED FULL LENGTH IN THE SHOP BEFORE REAMING AND INSPECTION.

STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT, PARTS INACCESSIBLE AFTER ERECTION SHALL HAVE TWO SHOP COATS OF RED LEAD PAINT. FOR ADDITIONAL SHOP AND FIELD PAINT COATS, SEE THE SPECIAL PROVISIONS.

ALL ROLLERS, ROCKERS, BOLSTERS, BEARING PLATES, LEAD PLATES, PINTLES, ANCHOR BOLTS AND SPLICES SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLES 54.9 OF THE STANDARD SPECIFICATIONS AND SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 54.6. THESE ITEMS ARE INCLUDED IN THE WEIGHT OF STRUCTURAL STEEL.

SPLICE PLATES TO BE MATCH-MARKED FOR SHIPMENT.

ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER PIERS AND ABUTMENTS.

FINISHED SURFACES OF BEARINGS AND ROLLERS SHALL BE TREATED WITH ANTI-RUST COMPOUND BEFORE SHIPMENT AS STATED IN ARTICLE 54.4 OF THE STANDARD SPECIFICATIONS.

ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" Ø OR 7/8" Ø HIGH STRENGTH BOLTS AS INDICATED.

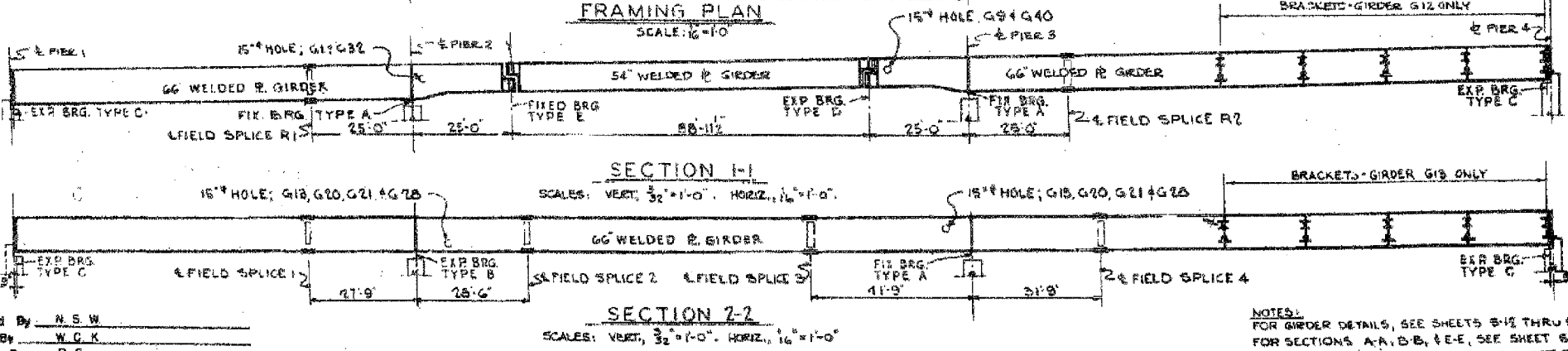
ALL RIVETS, UNLESS OTHERWISE SHOWN OR NOTED, SHALL BE 3/4" Ø, OPEN HOLES 13/16" Ø.



**SUMMARY OF STRUCTURAL STEEL UNIT 1**

ITEM	UNIT	QUANTITY	QUANTITY
		ASTM A7	ASTM A36
GIRDERS	POUND	2,634,387	
CROSS FRAMPS	POUND	16,894	
LATERAL BRACING	POUND	105,325	
GIRDER BEARINGS	POUND	87,800	
EXPANSION GUARDS	POUND	81,032	
<b>TOTAL</b>	<b>POUND</b>	<b>2,965,438</b>	

INCLUDED IN SUMMARY ON SHEET 81



Designed By: N.S.W.  
 Drawn By: W.C.K.  
 Checked By: R.S.  
 In Charge: N.S.WULF  
 Approved By: L.N.PLAN

**NOTES:**  
 FOR GIRDER DETAILS, SEE SHEETS 5-12 THRU 5-16  
 FOR SECTIONS A-A, B-B, & E-E, SEE SHEET 5-15  
 FOR SECTIONS C-C, D-D, & H-H, SEE SHEET 5-16

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
**SOUTH ROUTE SUPERHIGHWAY**  
 ELEVATED HIGHWAY  
 W. 16TH ST. TO W. 15TH ST.  
 8" HIGH S-252R.S. 2H  
**STEEL FRAMING PLAN**  
 UNIT 1  
 DE LEUW, CATHNER & COMPANY  
 CONSULTING ENGINEERS CHICAGO  
 SCALE: AS NOTED SHEET B H  
 DATE: AUGUST 1991  
 OF 56 SHEETS

Sheet S11 of 56

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 DAN RYAN ELEVATED BRIDGE  
 BEARING REPLACEMENT & STEEL REPAIR  
 EXISTING PLAN INFORMATION  
 SN 016-1110

SCALE: NTS  
 DATE: 5/18/2007  
 DRAWN BY: LAM  
 CHECKED BY: BLU

FOR INFORMATION ONLY

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com