

\* = ARC LENGTH ALONG -Y15FLYAC-  
 # = RADIAL DIMENSION  
 † = MEASURED PERPENDICULAR TO BENT CONTROL LINE OR END BENT FILL FACE  
 (X) = FIELD SPLICE TYPE

**ANGLES TO SHORT CHORD**

- ① 91°01'03"
- ② 88°58'57"
- ③ 91°19'50"
- ④ 88°40'10"
- ⑤ 91°48'57"
- ⑥ 88°11'03"
- ⑦ 91°35'48"
- ⑧ 88°24'12"
- ⑨ 91°22'39"
- ⑩ 88°37'21"

**FRAMING PLAN - UNIT 1**

**STRUCTURAL STEEL NOTES**

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W AND PAINTED IN ACCORDANCE WITH SYSTEM 5 OR SYSTEM 6 OF THE STRUCTURAL STEEL SHOP COATINGS PROGRAM AND SECTION 442-8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED IN THE PLANS.

ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.

ALL FIELD CONNECTIONS TO BE 7/8" Ø DIA. HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.

BEARING STIFFENERS ARE TO BE PLACED NORMAL TO THE WEB OF THE GIRDER AND SHALL BE PLUMB IN THE FINAL CONDITION.

PERMITTED FLANGE AND WEB SHOP SPLICES SHALL NOT BE LOCATED WITHIN 15 FEET OF MAXIMUM DEAD LOAD DEFLECTION (NOR WITHIN 15 FEET OF INTERMEDIATE BEARINGS OF CONTINUOUS UNITS). KEEP 2 FEET MINIMUM BETWEEN WEB AND FLANGE SHOP SPLICES. KEEP 6" MINIMUM BETWEEN CONNECTOR PLATE OR TRANSVERSE STIFFENER WELD AND WEB OR FLANGE SHOP SPLICES.

STUDS ON GIRDERS MAY BE SHIFTED UP TO 1" IF NECESSARY TO CLEAR FLANGE SPLICE WELDS.

TENSION ON THE AASHTO M164 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-8 OF THE STANDARD SPECIFICATIONS.

ENDS OF GIRDERS SHALL BE PLUMB IN THE FINAL CONDITION.

BEARING STIFFENER MAY REQUIRE COPING IF WIDER THAN BOTTOM FLANGE.

STRUCTURAL STEEL ERECTION IN A CONTINUOUS UNIT SHALL BE COMPLETE BEFORE FALSEWORK OR FORMS ARE PLACED ON THE UNIT.

FOR TEMPORARY BENTS, SEE SPECIAL PROVISIONS.

FABRICATORS SHALL DETAIL DIAPHRAGM MEMBERS AND CONNECTIONS FOR NO-LOAD FIT UP.

FOR FIELD SPLICE TYPES, SEE "SUPERSTRUCTURE BOLTED FIELD SPLICE DETAILS" SHEETS.

FOR DIAPHRAGM TYPES, SEE "SUPERSTRUCTURE STRUCTURAL STEEL DETAILS" SHEETS.

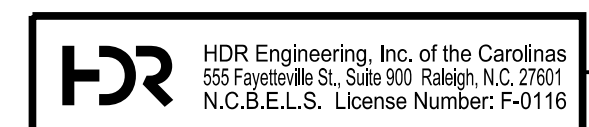
PROJECT NO. U-2579AB  
 FORSYTH COUNTY  
 STATION: 60+66.06 -Y15FLYAC-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE FRAMING PLAN UNIT 1**



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS	
1	--	--	3	--	--	144	
2	--	--	4	--	--	144	



PLOT DRIVER: NCDOT.pdf\_color\_eng-50dpi  
 USER: PETERSON  
 DATE: 10/14/2021  
 TIME: 4:00:29 PM  
 FILE: ... \ASUPERS

DES BY: <u>G. SCHMITZ</u>	DATE: <u>07/19</u>	DWG BY: <u>B. PETERSON</u>	DATE: <u>07/19</u>
DES CHK: <u>D. COLETTI</u>	DATE: <u>08/19</u>	CHK BY: <u>G. SCHMITZ</u>	DATE: <u>10/19</u>