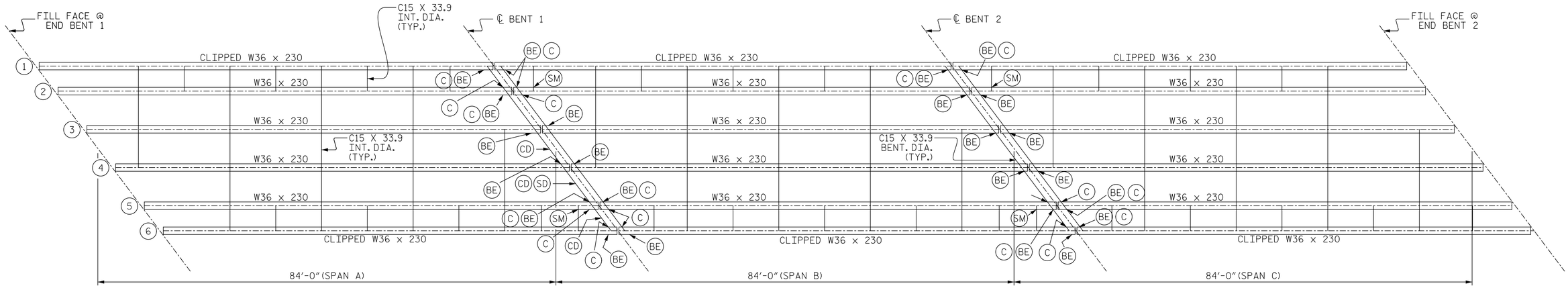

FRAMING PLAN

ANTICIPATED BEAM REPAIR LOCATIONS

SPAN	BEAM	LOCATION	REPAIR TYPE	✳ DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"
A	1	BENT 1	BE	7"	-	-	3'-0"	-	-
A	1	BENT 1	C	7"	-	-	-	-	-
A	2	BENT 1	BE	-	1'-7"	-	-	-	2'-5"
A	2	BENT 1	C	1'-9"	-	-	-	-	-
A	2	BENT 1	C	1'-9"	-	-	-	-	-
A	5	BENT 1	BE	-	1'-7"	-	-	-	2'-5"
A	5	BENT 1	C	1'-9"	-	-	-	-	-
A	5	BENT 1	C	1'-9"	-	-	-	-	-
A	6	BENT 1	BE	7"	-	-	3'-0"	-	-
A	6	BENT 1	C	8"	-	-	-	-	-
B	1	BENT 1	BE	7"	-	-	4'-2"	-	-
B	1	BENT 1	C	8"	-	-	-	-	-
B	2	BENT 1	BE	-	1'-7"	-	-	-	2'-5"
B	2	BENT 1	C	1'-9"	-	-	-	-	-
B	2	BENT 1	C	1'-9"	-	-	-	-	-
B	5	BENT 1	BE	-	1'-7"	-	-	-	2'-5"
B	5	BENT 1	C	1'-9"	-	-	-	-	-
B	5	BENT 1	C	1'-9"	-	-	-	-	-
B	6	BENT 1	BE	7"	-	-	3'-0"	-	-
B	6	BENT 1	C	8"	-	-	-	-	-
B	1	BENT 2	BE	7"	-	-	3'-0"	-	-

✳ DIM "A" FOR "BE" REPAIR REFER TO "BEAM END REPAIR DETAIL".
FOR DIM "A" FOR "C" REPAIR REFER TO CONN. ℄ REPAIR DETAIL.

ANTICIPATED BEAM REPAIR LOCATIONS

SPAN	BEAM	LOCATION	REPAIR TYPE	✳ DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"
B	1	BENT 2	C	8"	-	-	-	-	-
B	5	BENT 2	BE	-	1'-7"	-	-	-	2'-5"
B	5	BENT 2	C	1'-9"	-	-	-	-	-
B	5	BENT 2	C	1'-9"	-	-	-	-	-
B	6	BENT 2	BE	7"	-	-	4'-9"	-	-
B	6	BENT 2	C	8"	-	-	-	-	-
C	1	BENT 2	BE	7"	-	-	3'-0"	-	-
C	1	BENT 2	C	8"	-	-	-	-	-
C	5	BENT 2	BE	-	1'-7"	-	-	-	2'-5"
C	5	BENT 2	C	1'-9"	-	-	-	-	-
C	5	BENT 2	C	1'-9"	-	-	-	-	-
C	6	BENT 2	BE	7"	-	-	3'-0"	-	-
C	6	BENT 2	C	8"	-	-	-	-	-

FOR REPAIRS TO BEAMS 1 & 6 SEE "BEAMS 1 & 6 BEAM END REPAIR DETAILS"

FOR REPAIRS TO BEAMS 2-5 SEE "BEAMS 2-5 BEAM END REPAIR DETAILS".

ANTICIPATED DIAPHRAGM REPAIR LOCATIONS

SPAN	BAY	LOCATION	REPAIR TYPE	DIM "A"
A	3	BENT 1	CD	1'-6"
A	4	BENT 1	SD	-
A	4	BENT 1	CD	3'-4"
A	5	BENT 1	CD	1'-8"

BEAM REPAIR QUANTITY TABLE

	ESTIMATED	ACTUAL
BEAM END REPAIR	10,936 LBS.	
STEEL DIAPHRAGM REPLACEMENT	340 LBS.	
STIFFENER REPAIR	577 LBS.	
CONCRETE DIAPHRAGM REPAIR	5.1 CU. FT.	

NOTES:

FOR BEAM REPAIR DETAILS, SEE "BEAM END REPAIR DETAILS" SHEETS.

THE LOCATIONS AND DIMENSIONS OF THE AREAS FOR REPAIR ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR, IN CONJUNCTION WITH THE ENGINEER, SHALL VERIFY THE LOCATION AND EXTENT OF REPAIR AREAS PRIOR TO STEEL FABRICATION.

CONTRACTOR SHALL ENSURE THAT EXISTING UTILITIES ADJACENT TO THE BRIDGE ARE NOT DAMAGED DURING THE REPAIR OPERATIONS.

FOR BRIDGE JACKING DETAILS, SEE "JACKING DETAILS" SHEET.

FOR CONCRETE DIAPHRAGM REPAIR, SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

FOR STEEL DIAPHRAGM MODIFICATION, SEE "BEAM END REPAIR DETAILS" SHEET.

(1) - BEAM NUMBER
(BE) - BEAM END REPAIR
(C) - CONNECTOR PLATE REPAIR
(SD) - STEEL DIAPHRAGM REPLACEMENT
(CD) - CONCRETE DIAPHRAGM REPAIR
(SM) - STEEL DIA. MODIFICATIONS

PROJECT NO. I-5889A
BUNCOMBE COUNTY
BRIDGE NO. 377

NORTH CAROLINA PROFESSIONAL SEAL 020208 ENGINEER ERIC B. NELSON JR.

DocuSigned by: Eric B Nelson Jr 11/20/2017
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BEAM REPAIR LOCATIONS

DRAWN BY : M.A.LEE DATE : 9/2017
CHECKED BY : R.NELSON DATE : 10/2017

PLANS PREPARED BY:
Gannett Fleming
Excellence Delivered As Promised
2610 Wycliff Road
Suite 102
Raleigh NC 27607-3073
(919) 420-7660
NC Lic. No. F-0270

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-172
1			3			TOTAL SHEETS
2			4			208