

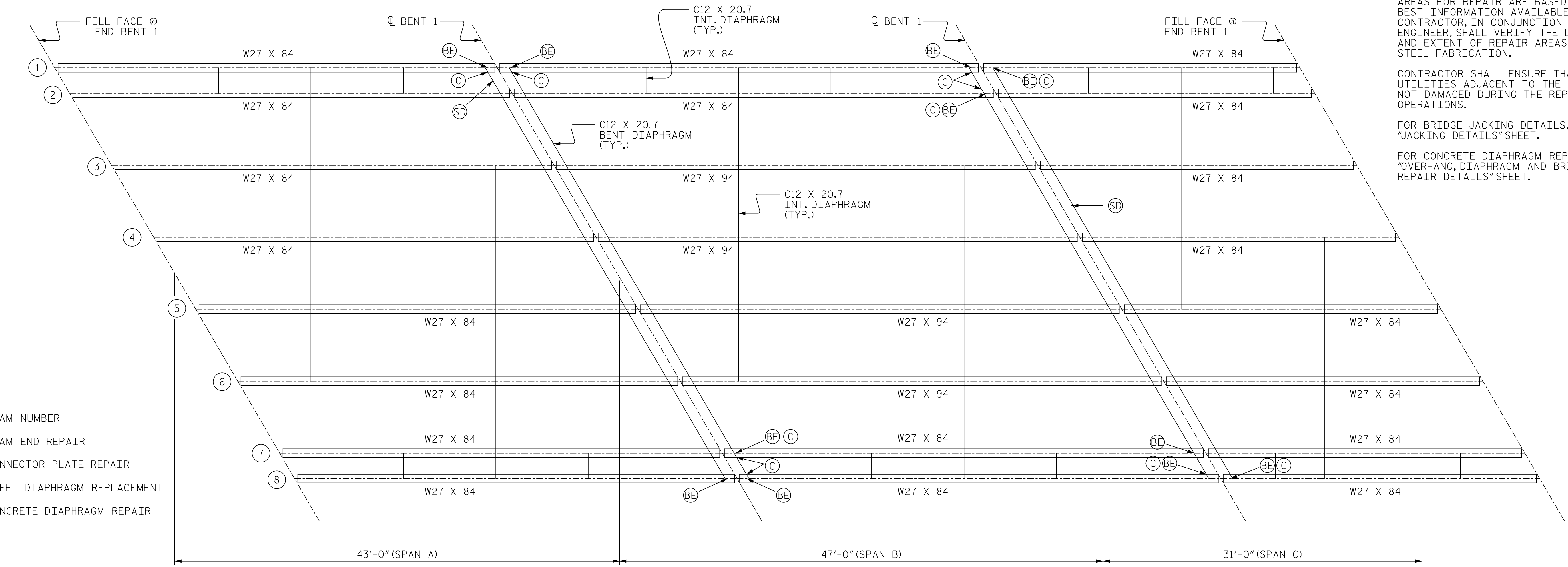
NOTES:
 FOR BEAM REPAIR DETAILS, SEE "BEAM END REPAIR DETAILS" SHEETS.

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.



- ① - BEAM NUMBER
- Ⓟ - BEAM END REPAIR
- Ⓒ - CONNECTOR PLATE REPAIR
- ⓈⒹ - STEEL DIAPHRAGM REPLACEMENT
- ⒸⒹ - CONCRETE DIAPHRAGM REPAIR

ANTICIPATED BEAM REPAIR LOCATIONS

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

FRAMING PLAN

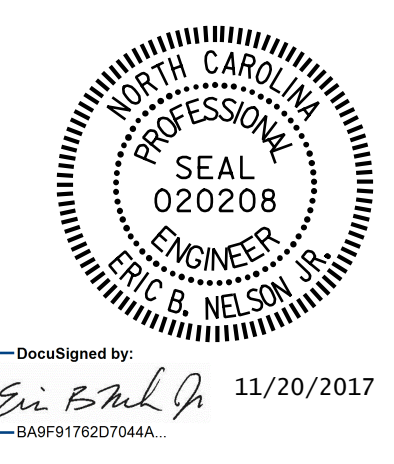
ANTICIPATED DIAPHRAGM REPAIR LOCATIONS

| SPAN | BAY | LOCATION | REPAIR TYPE | DIM "A" |
|------|-----|----------|-------------|---------|
| A | 1 | BENT 1 | SD | - |
| C | 3 | BENT 2 | SD | - |

BEAM REPAIR QUANTITY TABLE

| | ESTIMATED | ACTUAL |
|-----------------------------|-----------|--------|
| BEAM END REPAIR | 1440 LBS | |
| CONNECTOR PLATE REPAIR | 117 LBS | |
| STEEL DIAPHRAGM REPLACEMENT | 228 LBS | |

PROJECT NO. I-5889A
BUNCOMBE COUNTY
 BRIDGE NO. 358



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

*DIM "A" FOR "BE" REPAIR REFER TO "BEAM END REPAIR DETAIL".
 FOR DIM "A" FOR "C" REPAIR REFER TO "CONN. Ⓟ REPAIR DETAIL".

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|------------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S-94 |
| 1 | | | 3 | | | TOTAL SHEETS 208 |
| 2 | | | 4 | | | |