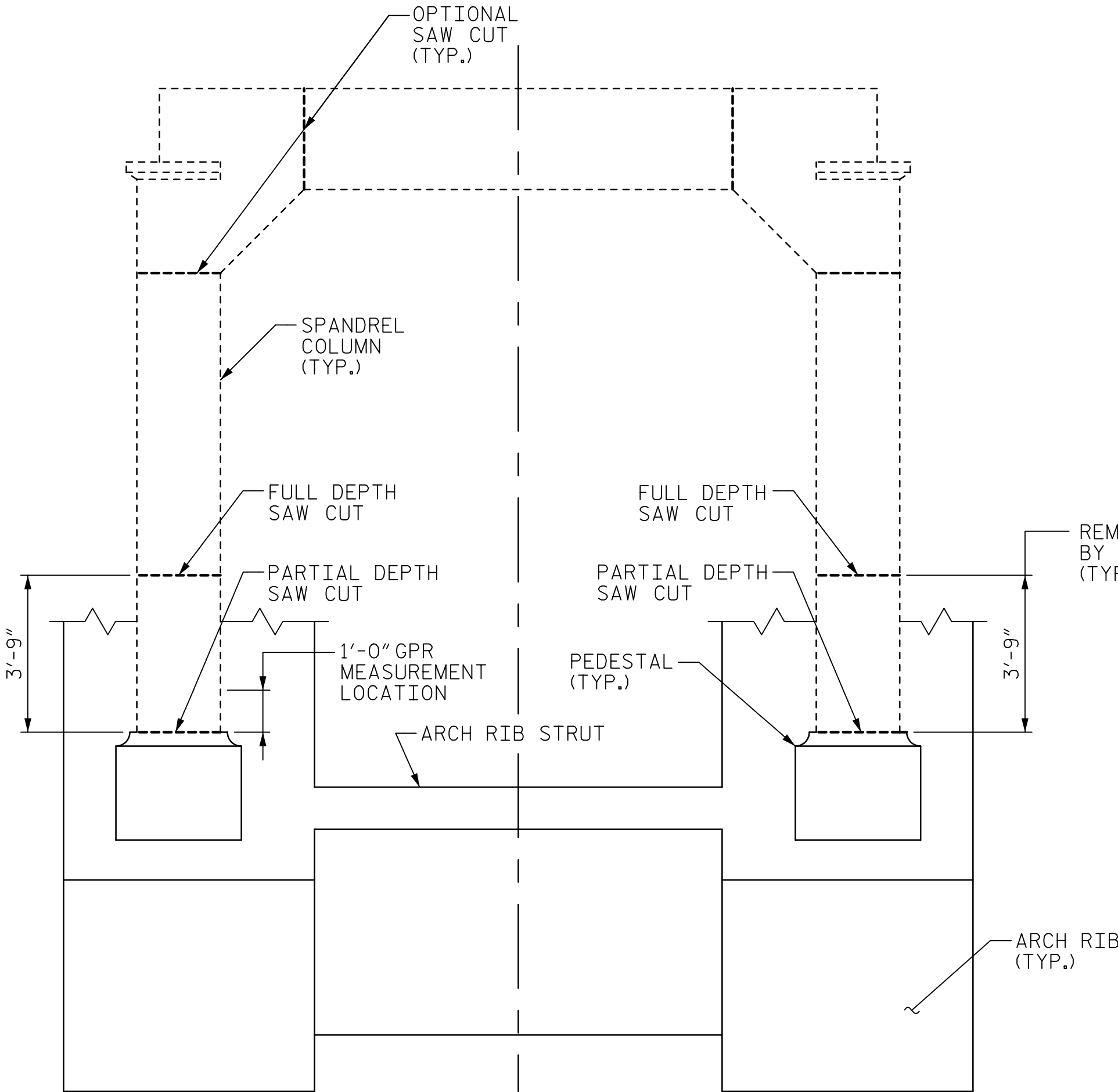


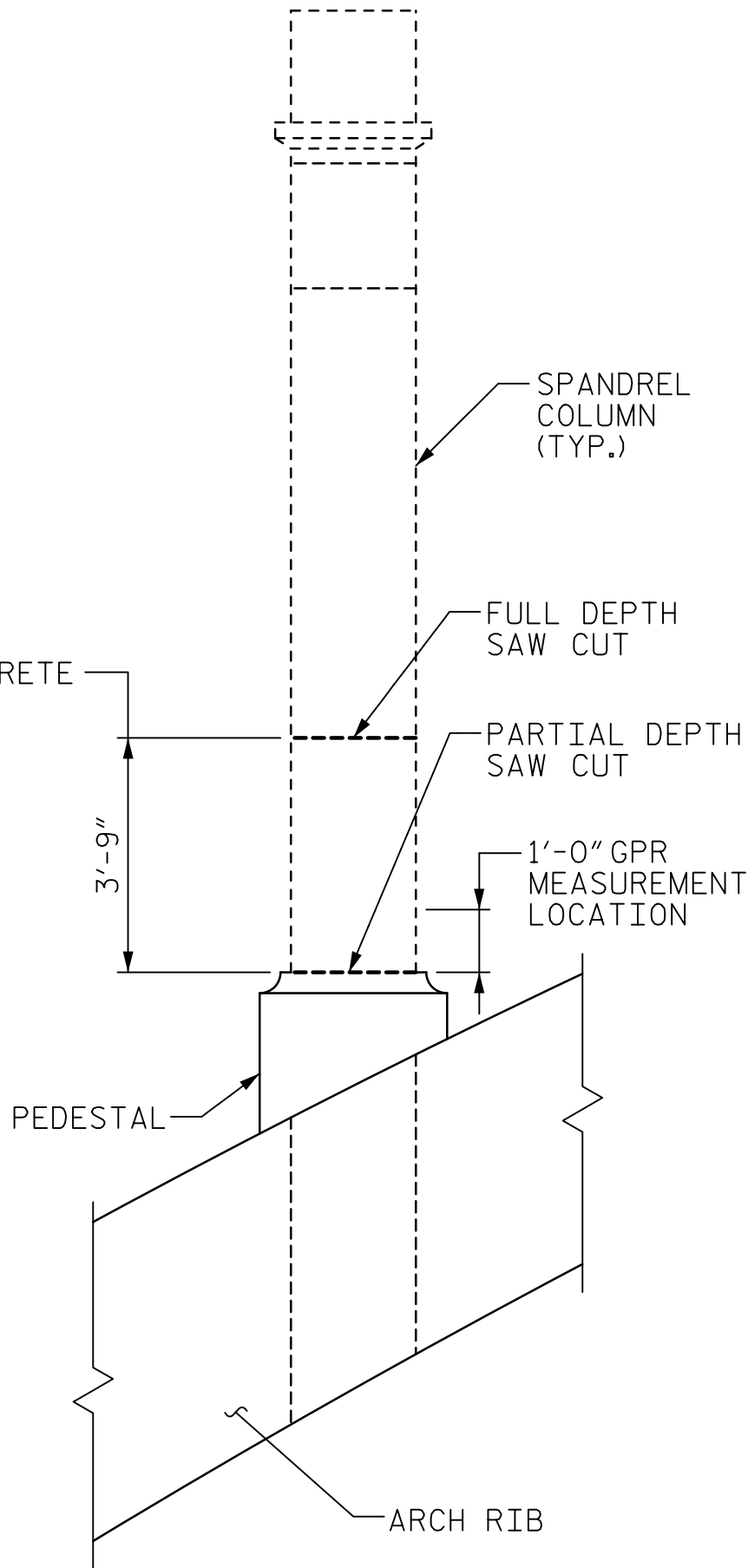
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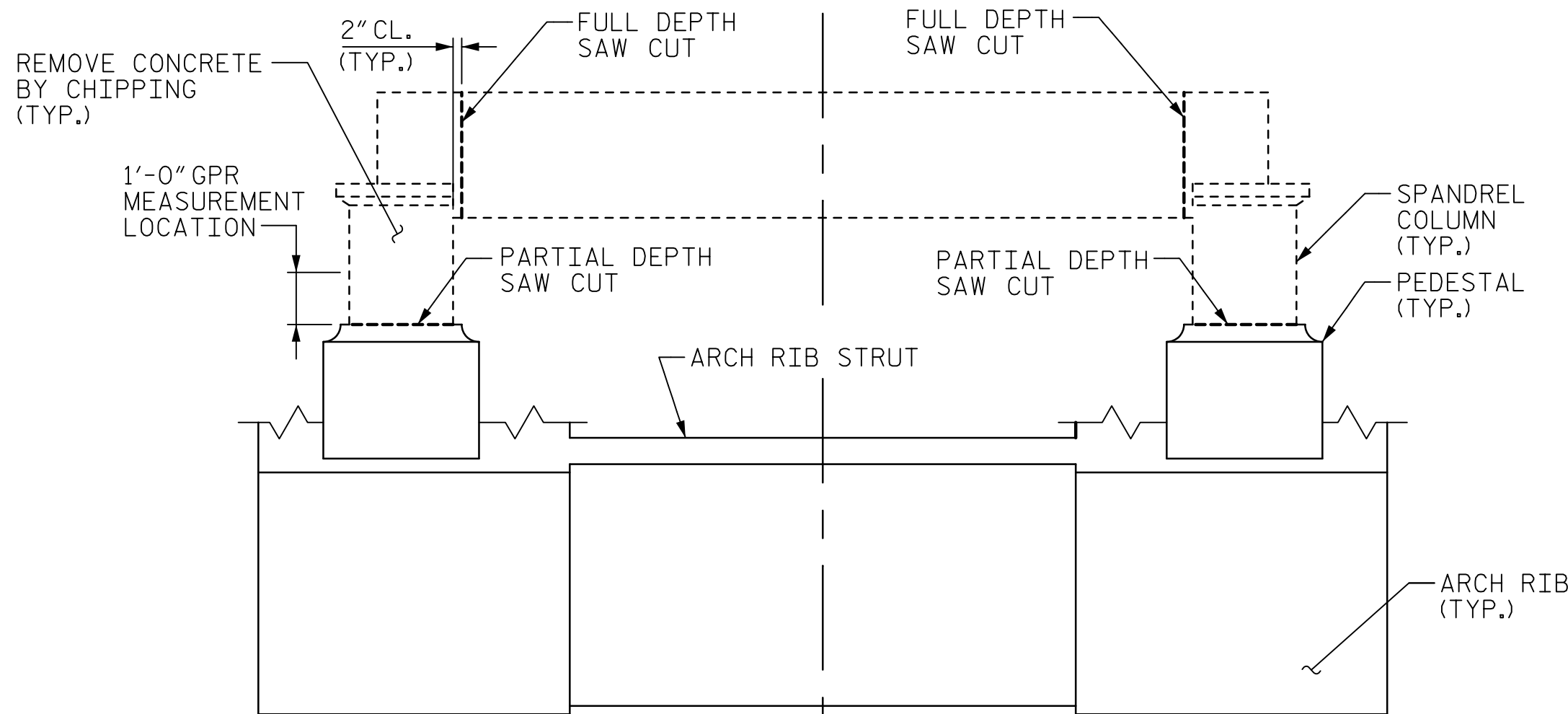


**SPANDREL BENTS 1-3 & 9-11 ELEVATION**

(ARCH RIB AND ARCH RIB STRUT SHOWN IN ISOMETRIC VIEW)

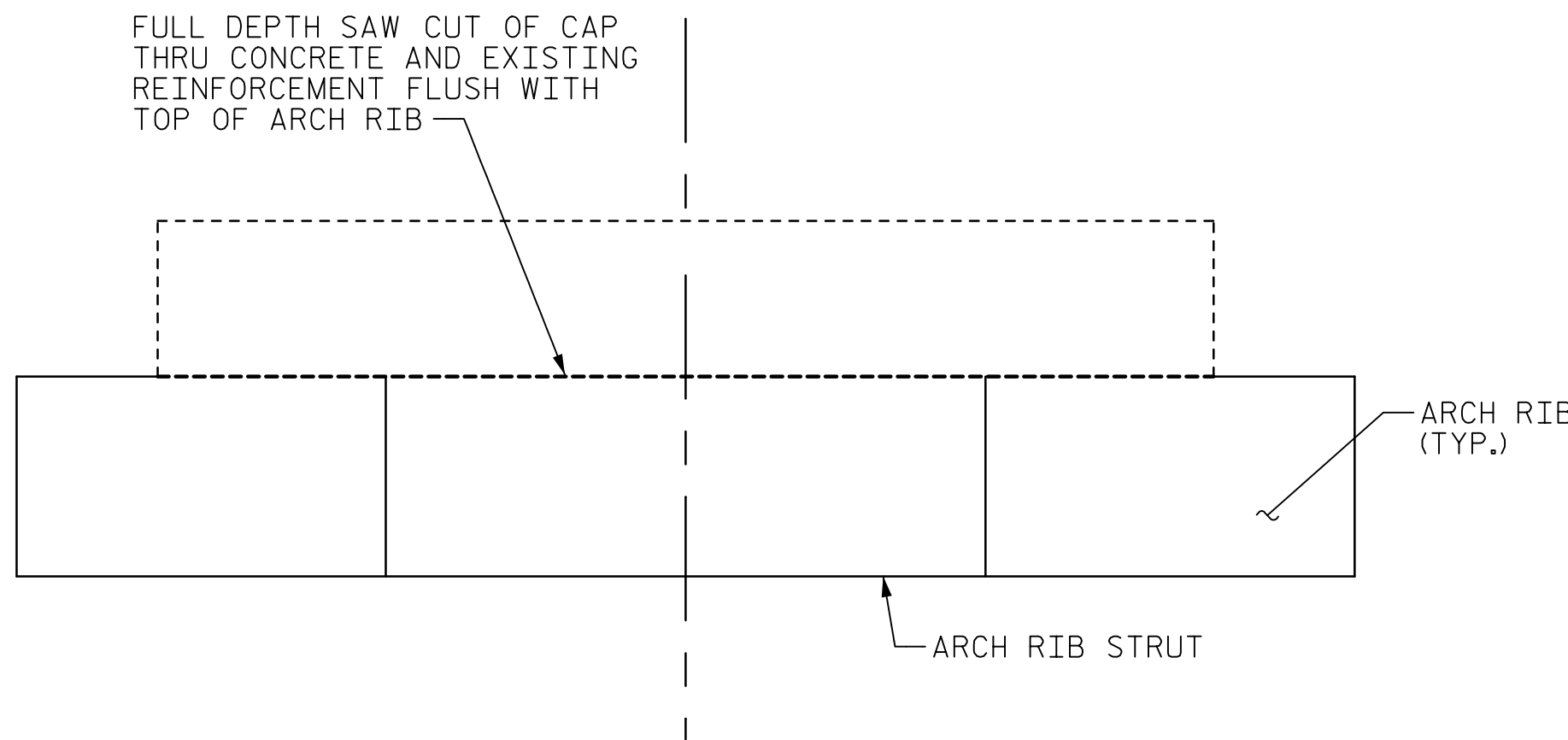


**SPANDREL BENTS 1-3 & 9-11 END ELEVATION**

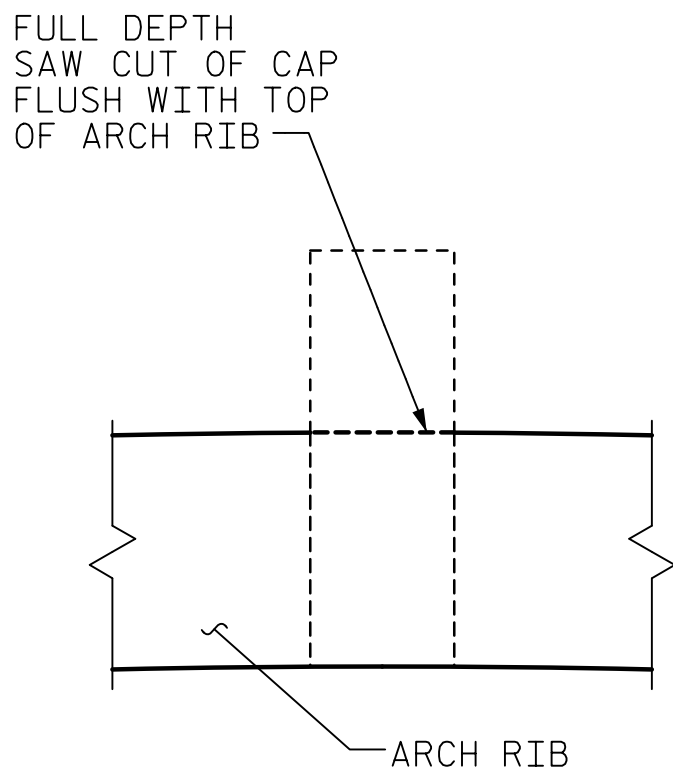


**SPANDREL BENTS 4 & 8 ELEVATION**

(ARCH RIB AND ARCH RIB STRUT SHOWN IN ISOMETRIC VIEW)



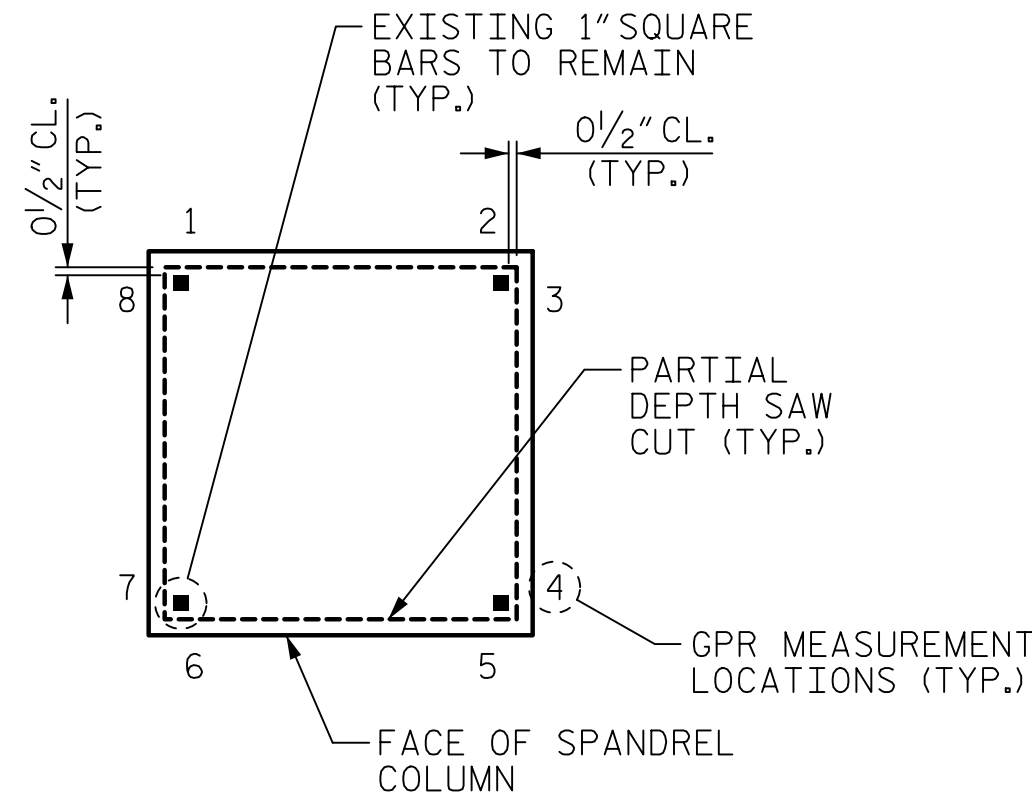
**SPANDREL BENTS 5-7 ELEVATION**



**SPANDREL BENTS 5-7 END ELEVATION**

**SPANDREL BENT DEMOLITION SEQUENCE**

1. PERFORM FULL DEPTH SAW CUTS IN SPANDREL COLUMNS AT BENTS 1-3 AND AT BENTS 9-11. REMOVE SPANDREL BENT CAPS AND COLUMNS ABOVE THE FULL DEPTH SAW CUT LINES. REMOVAL SHALL BE COMPLETED SYMMETRICALLY FROM THE SPRINGLINE TO THE CROWN.
2. PERFORM VERTICAL FULL DEPTH SAW CUTS IN SPANDREL CAPS AT BENTS 4 AND 8. MAINTAIN A MINIMUM OF 2" CLEARANCE FROM THE SAW CUT TO THE INSIDE FACE OF THE SPANDREL COLUMN. REMOVE THE SPANDREL BENT CAPS.
3. SAW CUT THE CAPS FLUSH WITH THE TOP OF THE ARCH RIBS AT SPANDREL BENTS 5-7. IF REINFORCEMENT IS EXPOSED AT THE CONCRETE FACE AND WILL NOT HAVE FRESH CONCRETE TO COVER IT, THEN PLACE A TYPE 4A EPOXY COATING OVER EXPOSED REINFORCEMENT AT THE CONCRETE FACE.
4. AT SPANDREL BENTS 1-4 AND 8-11, MEASURE THE CLEAR COVER TO THE MAIN VERTICAL REINFORCING STEEL USING GROUND PENETRATING RADAR. THE ORIGINAL PLANS INDICATE THAT THERE ARE FOUR PRIMARY REINFORCING BARS IN THE SPANDREL COLUMN, OR ONE BAR AT EACH CORNER OF THE COLUMN. CONTRACTOR SHALL CONFIRM THE REINFORCEMENT PATTERN, CLEAR COVER, AND BAR SIZE OR NOTIFY THE ENGINEER IF CONDITIONS DIFFER FROM THE ORIGINAL PLANS.
5. A MINIMUM OF EIGHT MEASUREMENTS SHALL BE TAKEN AS SHOWN IN THE "SPANDREL COLUMN SECTION AT PARTIAL DEPTH SAW CUT DETAIL." TWO MEASUREMENTS SHALL BE TAKEN ON EACH FACE OF THE SPANDREL COLUMN IN THE VICINITY OF EACH MAIN VERTICAL REINFORCING BAR. MEASUREMENTS SHALL BE TAKEN WITHIN 1'-0" OF THE PEDESTAL BASE.
6. SUBMIT THE CLEAR COVER, BAR SIZE, AND BAR LOCATION MEASUREMENTS TO THE ENGINEER FOR REVIEW. MEASUREMENTS MAY BE TAKEN AND SUBMITTED AT ANY TIME IN THIS DEMOLITION SEQUENCE.
7. AFTER APPROVAL BY THE ENGINEER, PERFORM PARTIAL DEPTH SAW CUTS AT THE INTERFACE OF THE PEDESTAL AND THE SPANDREL COLUMN. SAW CUT SHALL BE OF A DEPTH THAT IS 1/2" LESS THAN THE CLEAR COVER TO THE MAIN VERTICAL REINFORCEMENT.
8. REMOVE REMAINING CONCRETE BETWEEN THE FULL DEPTH SAW CUT AND PARTIAL DEPTH SAW CUT BY CHIPPING. SUBMIT CHIPPING EQUIPMENT FOR APPROVAL BY THE ENGINEER. LEAVE A ROUGHENED SURFACE WITH AN AMPLITUDE OF 1/4" AT THE TOP OF THE PEDESTAL IN THE AREA OF THE SPANDREL COLUMN.



**SPANDREL COLUMN SECTION AT PARTIAL DEPTH SAW CUT**

(PLAN VIEW AT INTERFACE OF PEDESTAL AND SPANDREL COLUMN AT SPANDREL BENTS 1 THRU 4 AND 8 THRU 11.)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. B-4974  
STANLY/MONTGOMERY COUNTY  
STATION: 339+86.39 -L-

SHEET 8 OF 8

| <b>AECOM</b><br><small>AECOM TECHNICAL SERVICES, INC.<br/>701 CORPORATE CENTER DRIVE, SUITE 475<br/>RALEIGH, NC 27607<br/>(919) 854-4200 www.aecom.com<br/>AECOM License No. F-0342</small>                                                                                   |     | <small>STATE OF NORTH CAROLINA</small><br><b>DEPARTMENT OF TRANSPORTATION</b><br><small>RALEIGH</small><br><b>DEMOLITION &amp; CONSTRUCTION SEQUENCE</b><br><b>SPANDREL BENT DEMOLITION</b> |     |           |       |  |  |  |  |     |     |       |     |     |       |   |  |  |   |  |  |   |  |  |   |  |  |                                                                                            |                    |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|-------|--|--|--|--|-----|-----|-------|-----|-----|-------|---|--|--|---|--|--|---|--|--|---|--|--|--------------------------------------------------------------------------------------------|--------------------|---------------------|
| <table><tr><th colspan="6">REVISIONS</th></tr><tr><th>NO.</th><th>BY:</th><th>DATE:</th><th>NO.</th><th>BY:</th><th>DATE:</th></tr><tr><td>1</td><td></td><td></td><td>3</td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td>4</td><td></td><td></td></tr></table> |     |                                                                                                                                                                                             |     | REVISIONS |       |  |  |  |  | NO. | BY: | DATE: | NO. | BY: | DATE: | 1 |  |  | 3 |  |  | 2 |  |  | 4 |  |  | <table><tr><td>SHEET NO.<br/>S-105</td></tr><tr><td>TOTAL SHEETS<br/>148</td></tr></table> | SHEET NO.<br>S-105 | TOTAL SHEETS<br>148 |
| REVISIONS                                                                                                                                                                                                                                                                     |     |                                                                                                                                                                                             |     |           |       |  |  |  |  |     |     |       |     |     |       |   |  |  |   |  |  |   |  |  |   |  |  |                                                                                            |                    |                     |
| NO.                                                                                                                                                                                                                                                                           | BY: | DATE:                                                                                                                                                                                       | NO. | BY:       | DATE: |  |  |  |  |     |     |       |     |     |       |   |  |  |   |  |  |   |  |  |   |  |  |                                                                                            |                    |                     |
| 1                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                             | 3   |           |       |  |  |  |  |     |     |       |     |     |       |   |  |  |   |  |  |   |  |  |   |  |  |                                                                                            |                    |                     |
| 2                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                             | 4   |           |       |  |  |  |  |     |     |       |     |     |       |   |  |  |   |  |  |   |  |  |   |  |  |                                                                                            |                    |                     |
| SHEET NO.<br>S-105                                                                                                                                                                                                                                                            |     |                                                                                                                                                                                             |     |           |       |  |  |  |  |     |     |       |     |     |       |   |  |  |   |  |  |   |  |  |   |  |  |                                                                                            |                    |                     |
| TOTAL SHEETS<br>148                                                                                                                                                                                                                                                           |     |                                                                                                                                                                                             |     |           |       |  |  |  |  |     |     |       |     |     |       |   |  |  |   |  |  |   |  |  |   |  |  |                                                                                            |                    |                     |

|                                |                |
|--------------------------------|----------------|
| DRAWN BY : J.E. SLOAN          | DATE : 12/2017 |
| CHECKED BY : D. RITACCO        | DATE : 3/2018  |
| DESIGNED BY : J.E. SLOAN       | DATE : 12/2017 |
| DESIGN CHECKED BY : D. RITACCO | DATE : 3/2018  |