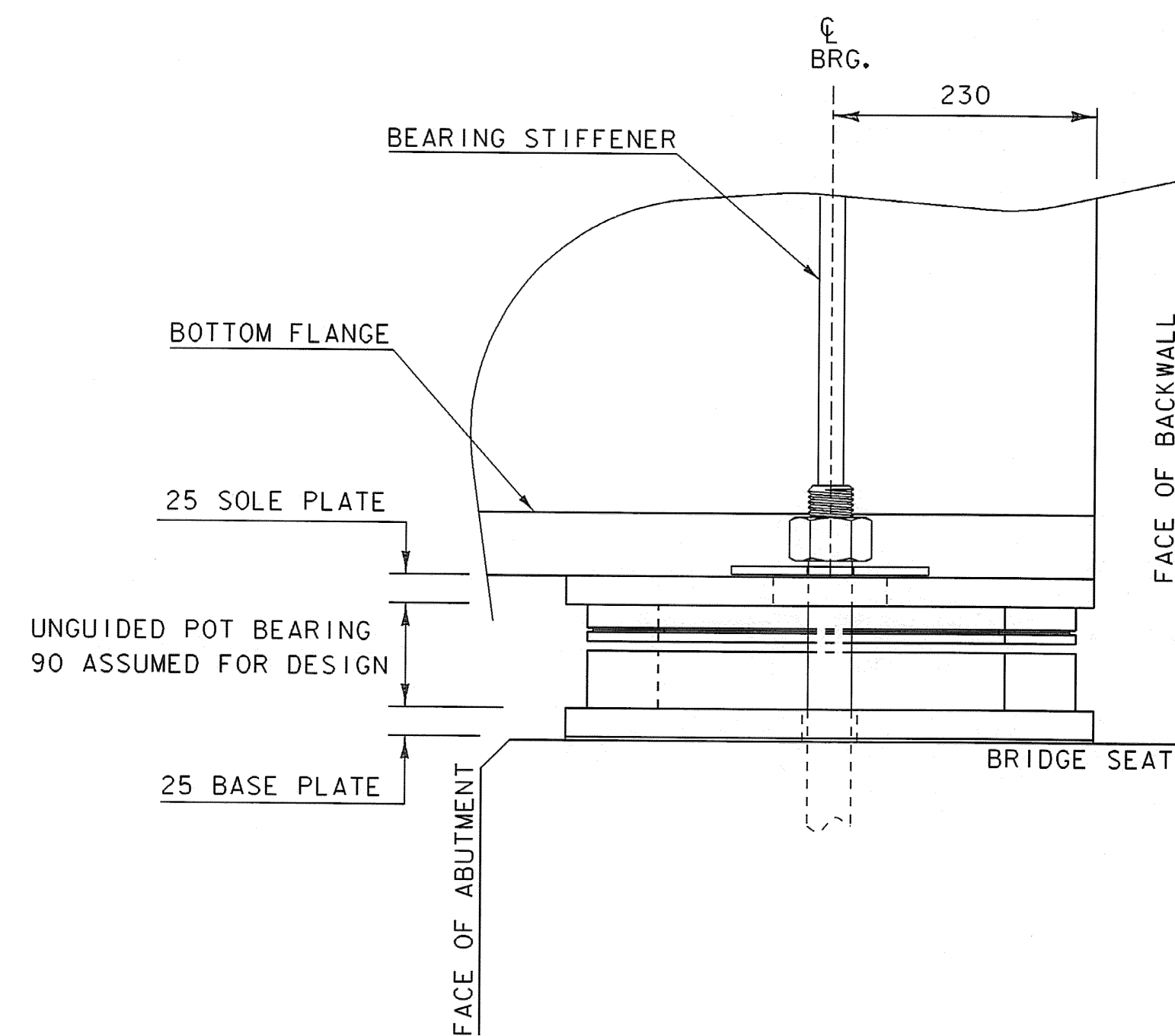
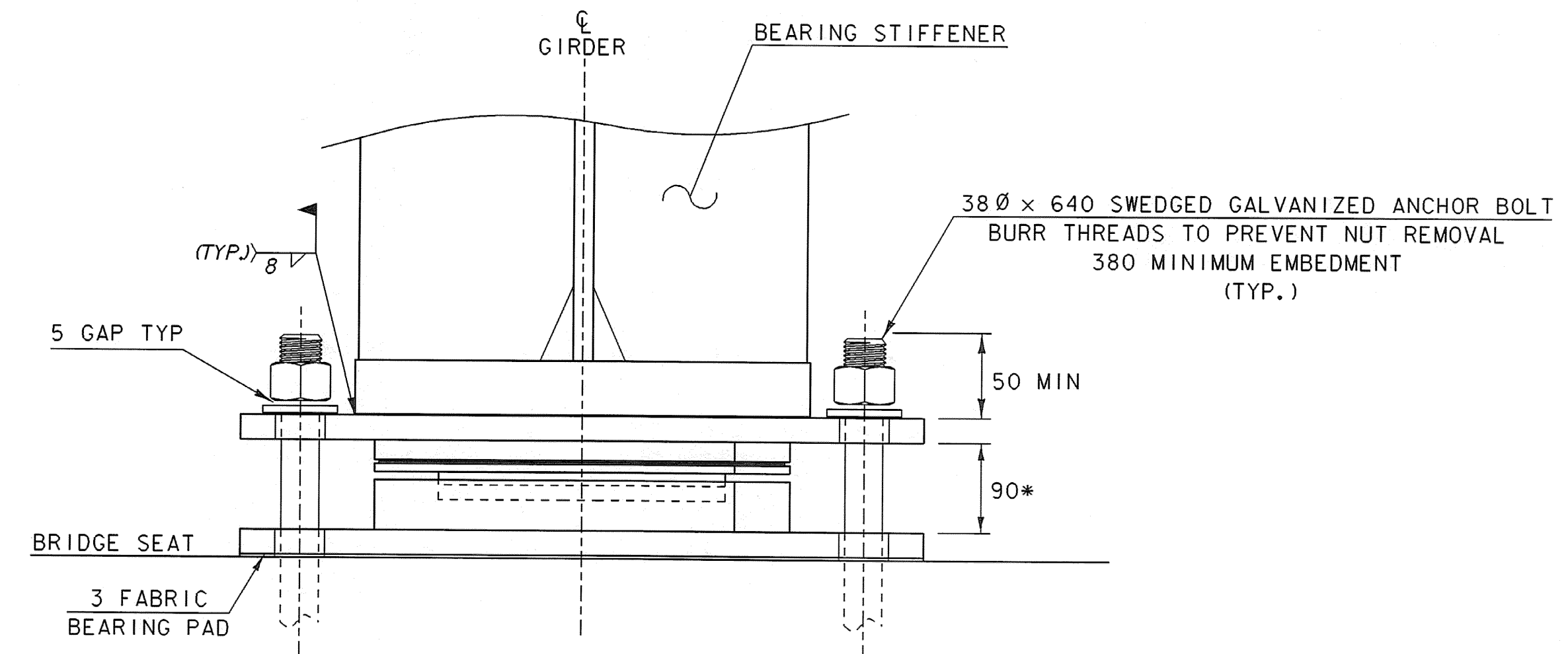


PLAN



VIEW Q-Q

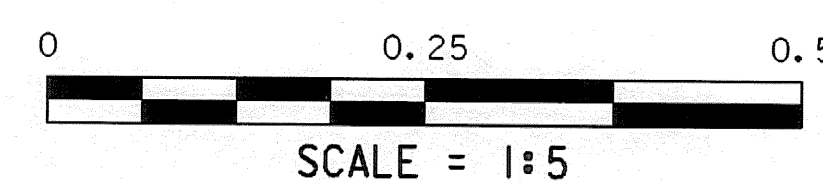
| POT BEARING DESIGN LOADS | | | | | | |
|--------------------------|--------|--------------|---------------|---------------|----------------------|---------------|
| ABUTMENT | GIRDER | BEARING TYPE | UNFACTORED | | | |
| | | | VERTICAL LOAD | | ROTATION DUE TO LOAD | |
| | | | DEAD | LIVE & IMPACT | DEAD | LIVE & IMPACT |
| | | | kN | kN | rad | rad |
| 1 | 1 | GUIDED | 140 | 132 | 0.005 | 0.002 |
| 1 | 2 | FIXED | 149 | 320 | 0.005 | 0.003 |
| 1 | 3 | FIXED | 258 | 356 | 0.005 | 0.004 |
| 1 | 4 | GUIDED | 266 | 378 | 0.006 | 0.004 |
| 2 | 1 | UNGUIDED | 140 | 132 | 0.005 | 0.002 |
| 2 | 2 | GUIDED | 149 | 320 | 0.005 | 0.003 |
| 2 | 3 | GUIDED | 258 | 356 | 0.005 | 0.004 |
| 2 | 4 | UNGUIDED | 266 | 378 | 0.006 | 0.004 |



SECTION R-R

* SEE FINAL SHOP DRAWINGS FOR EXACT DIMENSIONS. BRIDGE SEATS MAY NEED ADJUSTMENT.

UNGUIDED BEARING DETAILS
ABUTMENT 2
GIRDERS 1 & 4



| | |
|------------------------------------|-------------------------|
| SHEET NAME: BEARING DETAILS | |
| PROJECT NAME: SUNDERLAND | HIGHWAY NO.: TH 3 |
| PROJECT NUMBER: BRF 0114(2) | BRIDGE NO.: 14 |
| | OVER: ROARING BRANCH |
| FILE NAME: /PW/93J009/sj009sup.dgn | PLOT DATE: 14-DEC-2005 |
| PROJECT MANAGER: R. R. WHITCOMB | DRAWN BY: J.GILMORE |
| DESIGNED BY: D. BONNEAU | IPARM NAME: sc009brg3.1 |
| | SHEET 42 OF 67 |