

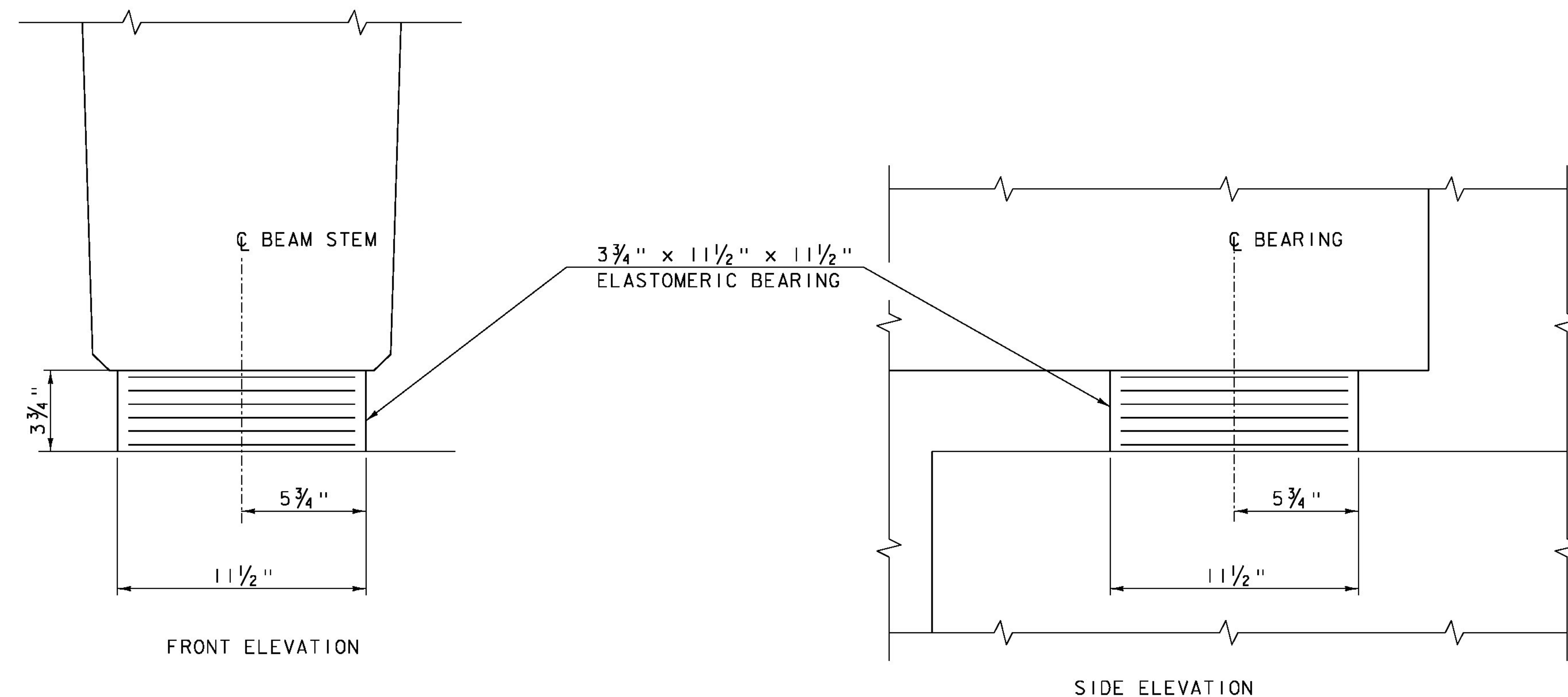
ELASTOMERIC BEARING DETAIL

SCALE: 3" = 1'-0"

- 2 - 1/4" EXTERIOR LAYERS OF ELASTOMER
- 5 - 1/2" INTERIOR LAYERS OF ELASTOMER
- 6 - 1/8" STEEL REINFORCING PLATES

BEARING NOTES

1. BEARINGS SHALL CONFORM TO THE APPLICABLE SUBSECTIONS OF SECTIONS 531 AND 731 AND WILL BE PAID FOR UNDER CONTRACT ITEM 531.17.
2. ALL REINFORCEMENT BETWEEN LAYERS OF ELASTOMER SHALL BE STEEL MEETING THE REQUIREMENTS OF SUBSECTION 714.02. ALL INTERNAL STEEL PLATES SHALL BE SAND BLASTED AND FREE OF COATINGS, RUST AND MILL SCALE. THE PLATES SHALL BE FREE OF SHARP EDGES AND BURRS.
3. STEEL REINFORCED ELASTOMERIC BEARINGS SHALL HAVE A MINIMUM 1/4" EDGE SEAL OF ELASTOMER INTEGRAL WITH BEARING OVER ALL INTERNAL PLATES.
4. THE ELASTOMER WAS DESIGNED WITH A SHEAR MODULUS RANGE OF 130 PSI - 200 PSI.
5. THE ELASTOMER SHALL MEET THE REQUIREMENTS OF LOW TEMPERATURE ZONE D AND HAVE A HARDNESS OF 60 ON THE SHORE A SCALE.
6. THE CONTRACTOR IS ADVISED TO HAVE A MINIMUM OF 16 - 1/4" x 12 1/2" x 12 1/2" GALVANIZED STEEL SHIMS AVAILABLE FOR ELEVATION ADJUSTMENTS UPON THE SETTING OF THE SUPERSTRUCTURE UNITS. THE SHIMS SHALL BE FABRICATED ACCORDING TO SECTION 531 AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONTRACT ITEM 531.17.
7. DESIGN SERVICE LOADS PER BEARING: (DESIGN METHOD A)
 MAX DEAD LOAD: 32.2 K
 MAX LIVE LOAD: 31.7 K



ELASTOMERIC BEARING DETAIL

SCALE: 3" = 1'-0"

CLD 12-0174 MODEL: SUP06



PROJECT NAME: BARTON
 PROJECT NUMBER: BRO 1449(31)

FILE NAME: z11j068sup.dgn
 PROJECT LEADER: J. BYATT
 DESIGNED BY: S. BEAUMONT
 BEARING DETAILS

PLOT DATE: 12/17/2014
 DRAWN BY: M. SMITH
 CHECKED BY: J. BYATT
 SHEET 32 OF 52