NOTES:

1. ELASTOMER SHALL HAVE A SHEAR MODULUS OF 0.160 KSI.

2. STEEL LAMINATES SHALL CONFORM TO ASTM A 1011 GRADE 36.

3. THE COMPRESSION DESIGN LOAD ON THE BEARING PAD IS XXX KIPS. THE COMPRESSION DESIGN STRESS IS THE RESULT OF DIVIDING THE COMPRESSION DESIGN LOAD BY THE AREA OF THE PAD AND IS EQUAL TO XXX KSI.

4. ELASTOMERIC BEARING PAD SHALL NOT BE VULCANIZED TO THE SOLE PLATE.

ELASTOMERIC BEARING PAD

NOT TO SCALE

1. Bearing diameter shall be set to even increments of 1", for example: 6", 7", etc.
2. The minimum thickness of the individual internal elastomer layer shall be \( \frac{3}{4}" \). Top and bottom cover layers shall be \( \frac{1}{4}" \) for bearings with thickness less or equal to 5" and \( \frac{1}{2}" \) for thicker bearings. Furthermore, cover layers shall be no thicker than 70% of the individual internal layer.
3. Steel laminates shall have a minimum thickness of 11 gage (0.1196\( ^" \)). Actual decimal thickness of steel laminates in inches shall be used to calculate total bearing thickness.
4. All elastomeric bearing pads for steel beams for a given structure shall have a constant thickness and shall be set level.
5. All elastomeric bearing pads on any substructure unit shall have the same nominal compressive stiffness.
6. See Chapters 3 and 5 of Part II of the Bridge Manual for additional guidelines on locating elastomeric bearings.
7. See Chapter 3, Part I of the Bridge Manual for bearing design requirements.