

DETAILS OVER PIER NOTES: *(Include these Notes with the details shown on Dwg. No.'s 6.5.11, 6.5.12, and 6.5.13)*

1. ALL REINFORCEMENT SHOWN IN THESE DETAILS SHALL BE COATED.
2. ALL PIER DIAPHRAGM CONCRETE SHALL BE 4000 PSI, $\frac{3}{4}$ IN, 585 HP CEMENT CONCRETE.
3. END KEEPER BLOCKS SHALL BE CAST AFTER THE BEAMS ARE ERECTED AND THE PIER DIAPHRAGM HAS BEEN CAST. ATTACH CLOSED CELL FOAM TO THE BEAMS AND DIAPHRAGM PRIOR TO PLACING END KEEPER BLOCK CONCRETE.
4. CONTRACTOR MAY USE EXPANDED POLYSTYRENE FILLER OR A REMOVABLE FORM TO FORM THE BOTTOM OF THE PIER DIAPHRAGM.
5. PLACE EXPANDED POLYSTYRENE FILLER UNDER THE BOTTOM FLANGE AT THE EDGE OF THE SHEAR KEY.
6. PRIOR TO PLACING PIER DIAPHRAGM CONCRETE, LINE ALL SURFACES OF THE SHEAR KEY WITH CLOSED CELL FOAM AS SHOWN. PIER DIAPHRAGM CONCRETE MAY NOT COME IN DIRECT CONTACT WITH THE PIER CAP CONCRETE MASONRY.
7. SLOPE SHEAR KEY DRAIN 5% MIN. TOWARDS FACE OF PIER CAP.
8. $\frac{3}{4}$ " ϕ THREADED DOWEL BAR SPLICERS SHALL BE CAST-IN-PLACE BY THE FABRICATOR AND SHALL BE EMBEDDED AS REQUIRED TO PROVIDE A MINIMUM NOMINAL TENSILE RESISTANCE OF 17 KIPS AS SPECIFIED BY THE MANUFACTURER.

NOTES: *(These Notes are for details shown on Dwg. No.'s 6.5.11, 6.5.12, and 6.5.13)*

1. *Provide headed dowel bar splicers by beam designation as follows:*

<i>B-24 thru B-30 beams</i>	<i>1 headed reinforcement bar splicer mid beam;</i>
<i>B-33 thru B-48 beams</i>	<i>2 headed reinforcement bar splicers as shown.</i>

Provide #5 intermediate reinforcing bars by beam designation as follows:

<i>B-24 thru B-30 beams</i>	<i>No intermediate bars;</i>
<i>B-33 thru B-48 beams</i>	<i>1 intermediate bar midway between splicers.</i>
2. *Dimension to be provided is equal to total thickness of bearing.*
3. *If the bearing exceeds 16" in diameter, set the 9" dimension to (Bearing Dia.)/2 + 1", and set the 10" dimension to (Bearing Dia.)/2 + 2".*
4. *The Designer shall ensure that at least 2" clear cover is maintained to the top of the deck at all locations.*