GROUTED COUPLER NOTES

GROUTED SPLICE COUPLER CONNECTION SEQUENCE

1. Cut the bar extensions to the required length based on the survey and the coupler manufacturer's recommendations for coated bars, the ends of the bars shall be re-coated.

2. Place reinforcing bars on top of lower element, the use of extra bars, the use of extra bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

3. Place reinforcing bars on top of lower element, the use of extra bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

4. Determine the required reinforcing bar extension lengths and the required bar heights based on the survey.

5. Adjust shim stack height to control elevation differences between the two elements. The use of extra bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

6. Install coupler in couplers, the use of extra bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

7. Maintain integrity of bedding grout during setting operation, repair grout if displaced or gaps that develop in the bedding grout using hand tools.

8. After executing groused coupler assemblies, always seek installation recommendations from the manufacturer of the groused coupler used.

9. Prior to executing groused coupler assemblies, always seek installation recommendations from the manufacturer of the groused coupler used.

10. Ensure proper bonding of reinforcing bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

11. Ensure proper bonding of reinforcing bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

12. Ensure proper bonding of reinforcing bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

13. Ensure proper bonding of reinforcing bars extending out of embedded element shall be determined by the manufacturer of the coupler and the specific coupler manufacturer's recommendations, for coated bars, the ends of the bars shall be re-coated.

GROUTED COUPLER NOTES

USE MATCHING TEMPLATES FOR THE LOCATION OF REINFORCEMENTS AND GROUTED COUPLER PLACEMENT WITHIN THE ELEMENTS TO CONTROL CRITICAL DIMENSIONS AND ORIENTATION IN ALL DIRECTIONS.

CONSULT MANUFACTURER OF THE GROUTED COUPLER FOR PROPER CRITICAL DIMENSIONS AND ORIENTATION IN ALL DIRECTIONS.

THE FOLLOWING ARE GENERAL PROCEDURES THAT APPLY TO MOST COUPLER MANUFACTURERS:

- INSTALLATION RECOMMENDATIONS FROM THE MANUFACTURER OF THE GROUTED COUPLER USED.


- REQUIREMENTS FOR EMBEDMENT. BARS MAY BE FIELD CUT IF NEEDED.

- INSTALL GROUT IN COUPLERS FOLLOWING THE MANUFACTURER'S WRITTEN PROCEDURES. IF THE COUPLER IS KEYED, THE KEYED COUPLER IS RECOMMENDED TO FIX THE COUPLER INTO POSITION USING STIRRUP BARS.


- THE TIMING OF SUBSEQUENT CONSTRUCTION STEPS UNTIL THE CONNECTION HAS ACHIEVED ADEQUATE STRENGTH AS DETERMINED THROUGH STRENGTH TESTING OF THE GROUT. THE TIMING OF SUBSEQUENT CONSTRUCTION STEPS SHALL BE SPECIFIED IN THE BRIDGE ASSEMBLY PLAN.