Figure 1. Cap beam construction and pocket for columns

Figure 2. Cap beam pocket- view from underneath
Figure 3. Footing construction

Figure 4. Footing and pocket for columns
Figure 5. Column reinforcement cage

Figure 6. Debonding reinforcement bars in plastic hinge zone and the hinge gap

Figure 7. Column forms
Figure 8. Placing UHPC/ECC in plastic hinge zone simultaneously with concrete

Figure 9. Inserting the first precast column into the footing
Figure 10. Inserting the second precast column into the footing

Figure 11. Placing spacers to provide 1.0 inch gap from the footing
Figure 12. Placing spacers to provide 1.0 inch gap for the cap beam

Figure 13. Inserting cap beam on top of the columns
Figure 13. Assembled test model