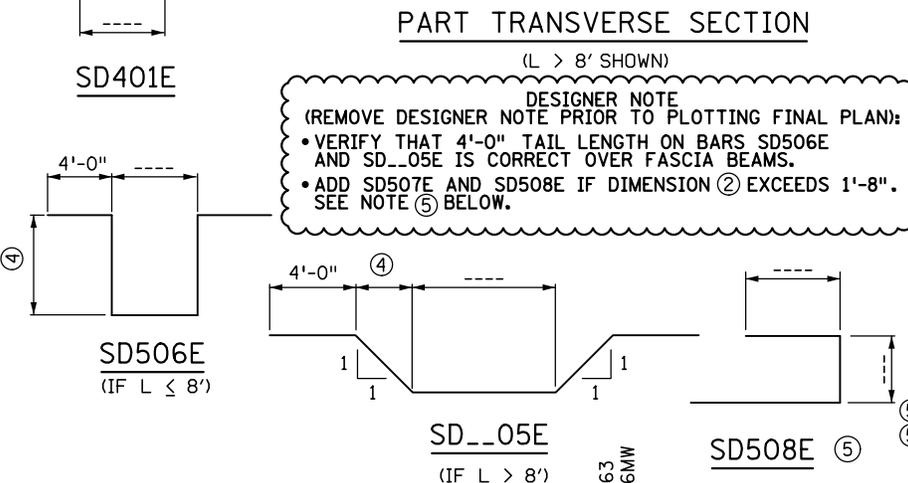


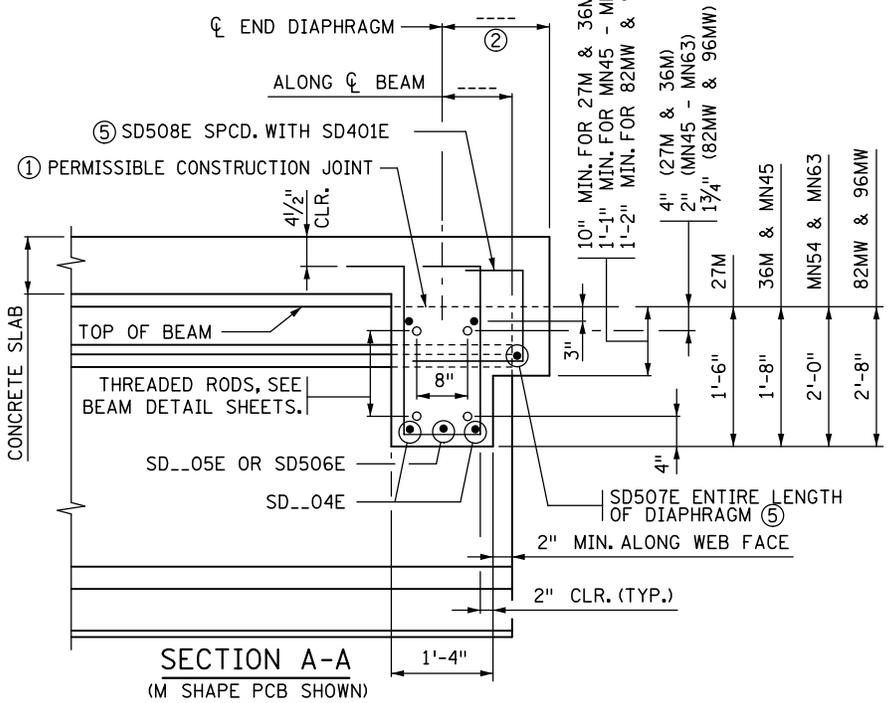
LONGITUDINAL REINFORCEMENT IN BOTTOM OF DIAPHRAGM

| DISTANCE "L" ALONG ϕ OF DIAPHRAGM | BARS REQUIRED | | | |
|--|---------------|------|------|------|
| | STRAIGHT | | BENT | |
| | NO. | SIZE | NO. | SIZE |
| UP TO 8' | 2 | 6E | 1 | 5E |
| OVER 8' TO 11' | 2 | 7E | 1 | 6E |
| OVER 11' TO 13' | 2 | 8E | 1 | 8E |
| OVER 13' TO 15' | 2 | 9E | 1 | 10E |
| OVER 15' TO 18' | 2 | 11E | 1 | 11E |



BILL OF REINFORCEMENT FOR END DIAPHRAGM

| BAR | NO. | LENGTH | SHAPE | LOCATION |
|---------|-----|--------|-------|-----------------|
| SD401E | | | | VERTICAL TIE |
| SD702E | | 5'-0" | | LONG. THRU BEAM |
| SD403E | | | | LONG. TOP |
| SD__04E | | | | LONG. BOTTOM |
| SD__05E | | | | LONGITUDINAL |
| SD506E | | | | LONGITUDINAL |
| SD507E | | | | LONGITUDINAL |
| SD508E | | | | VERTICAL TIE |



- NOTES:**
- CONCRETE FOR END DIAPHRAGMS SHALL BE THE SAME MIX AS USED IN DECK.
- QUANTITIES FOR END DIAPHRAGM CONCRETE AND REINFORCEMENT SHOWN ON THIS DETAIL SHALL BE LISTED IN SUPERSTRUCTURE QUANTITIES.
- THREADED RODS ARE INCIDENTAL TO PRESTRESSED CONCRETE BEAMS.
- ① USE OF CONSTRUCTION JOINT REQUIRES CLEARANCE FOR EXPANSION DEVICE. WHEN CONSTRUCTION JOINT IS USED AT THIS LOCATION, DIAPHRAGM FALSEWORK SHALL REMAIN IN PLACE UNTIL COMPLETION OF SLAB CURING PERIOD.
 - ② PERPENDICULAR TO CENTERLINE OF DIAPHRAGM.
 - ③ 1'-11" (27M); 2'-1" (36M AND MN45); 2'-5" (MN54 AND MN63); 3'-1" (82MW AND 96MW). BASED ON 3" STOOL AND 9" DECK.
 - ④ 1'-10" (27M); 2'-0" (36M AND MN45); 2'-4" (MN54 AND MN63); 3'-0" (82MW AND 96MW). BASED ON NOTE ③.
 - ⑤ ADD SD507E AND SD508E ONLY IF NO. OF BARS AND LENGTHS ARE INCLUDED IN BILL OF REINFORCEMENT. SPACE SD508E AT 1'-6" MAX. FOR ENTIRE LENGTH OF DIAPHRAGM. REFER TO "PART TRANSVERSE SECTION" ABOVE.