



**BILL OF MATERIAL
SOUTH END**

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|---------|-------|
| a ₂ (E) | 3 | #4 | 6'-8" | — |
| a ₃ (E) | 8 | #5 | 3'-0" | — |
| a ₄ (E) | 12 | #7 | 8'-4" | C |
| h ₂ (E) | 9 | #7 | 6'-2" | — |
| h ₃ (E) | 22 | #4 | 6'-2" | — |
| v(E) | 4 | #5 | 4'-2" | — |
| Expansion Bolts 3/4" | | | Each | 16 |
| Concrete Removal | | | Cu. Yd. | 2.6 |
| Concrete Structures | | | Cu. Yd. | 2.1 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 280 |

**PLAN
TOP SLAB**
Cut a₄(E) & h₂(E) bars as required to clear grate.

**PLAN
BOTTOM SLAB**

Note:
Expansion bolts shall be 3/4" hooked bolts. Hooked bolts shall extend 9" min. into new concrete.