

STANDARD BAR SPLICER ASSEMBLY

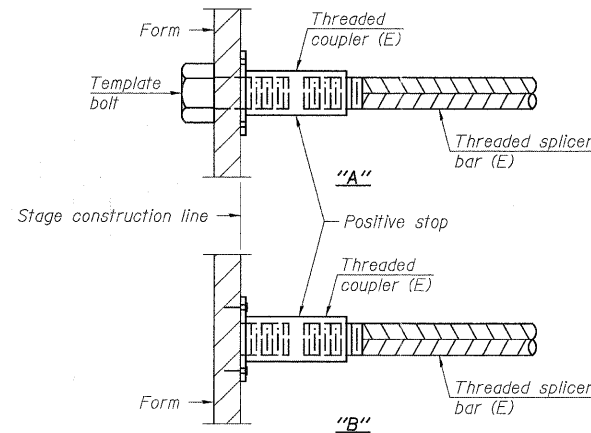
| Bar size to be spliced | Minimum Lap Lengths | | | | |
|------------------------|---------------------|---------|---------|---------|---------|
| | Table 1 | Table 2 | Table 3 | Table 4 | Table 5 |
| 3, 4 | 1'-5" | 1'-11" | 2'-1" | 2'-4" | 2'-3" |
| 5 | 1'-9" | 2'-5" | 2'-7" | 2'-11" | 2'-10" |
| 6 | 2'-1" | 2'-11" | 3'-1" | 3'-6" | 3'-4" |
| 7 | 2'-9" | 3'-10" | 4'-2" | 4'-8" | 4'-6" |
| 8 | 3'-8" | 5'-1" | 5'-5" | 6'-2" | 5'-10" |
| 9 | 4'-7" | 6'-5" | 6'-10" | 7'-9" | 7'-5" |

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1/2" + thread length

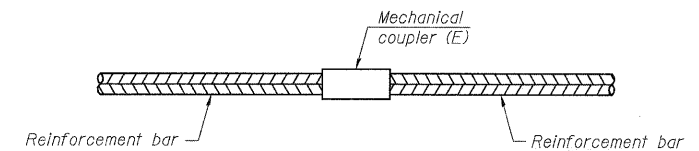
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Table for minimum lap length |
|-------------------------|----------|-------------------------|------------------------------|
| Superstructure (Top) | #5 | 613 | Table 4 |
| Superstructure (Bottom) | #5 | 916 | Table 3 |
| Approach Slab (Footing) | #5 | 80 | Table 3 |
| Approach Slab (Top) | #4 | 50 | Table 4 |
| Approach Slab (Bottom) | #5 | 92 | Table 3 |
| Substructure | #7 | 252 | Table 4 |



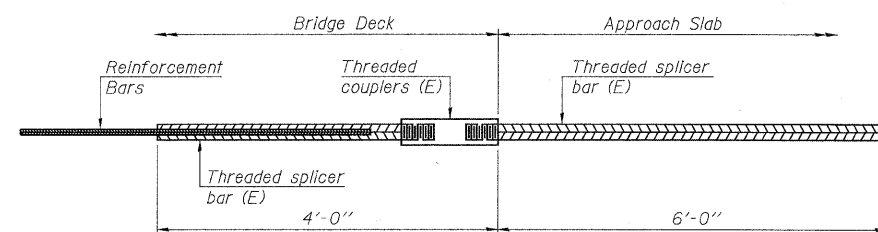
INSTALLATION AND SETTING METHODS

- "A" : Set bar splicer assembly by means of a template bolt.
- "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
- (E) : Indicates epoxy coating.



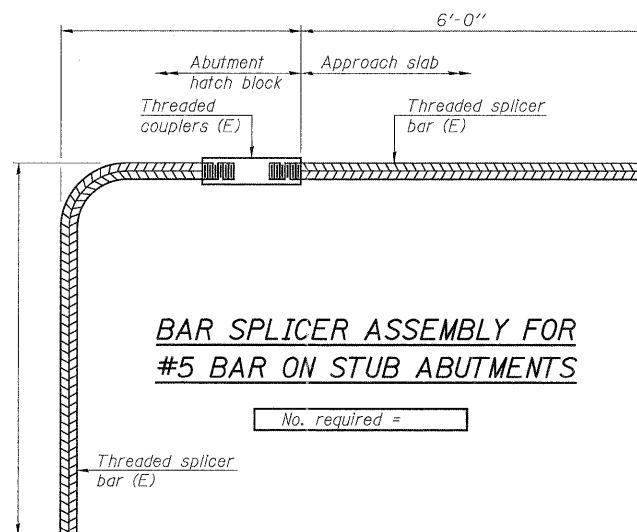
STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|----------|----------|-------------------------|
| | | |
| | | |
| | | |



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

- Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
- All reinforcement shall be lapped and tied to the splicer bars.
- Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
- See special provision for Mechanical Splicers.
- See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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|--------------------------|
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| CHECKED - R. DiGiulio |
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BSD-1 7-1-10

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|---------------------------|-----------------------|---------------------------|------------------|------------------------|---------------------|
| SHEET NO. SA27 OF SA37 | F.A.P RTE. 2578 | SECTION 532B | COUNTY DUPAGE | TOTAL SHEETS 781 | SHEET NO. 631 |
| | CONTRACT NO. 60477 | | | | |
| 12/3/2010 | | ILLINOIS FED. AID PROJECT | | | |

**BAR SPLICER ASSEMBLY
STRUCTURE NO. 022-0012**