

065-0003 dan 2/27/2009 9: 13: 28 AM

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bor splicer assemblies shall be epoxy coated according to the requirements for

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed

Where fy = Yield strength of lapped reinforcement bars in ksi. $A_t =$ Tensile stress area of lapped reinforcement bars. * = 28 day concrete

| BAR SPLICER ASSEMBLIES | | | | | |
|----------------------------|---------------------------------|--|--|--|--|
| | Strength Requirements | | | | |
| cer Rod or I Bar Length | Min. Capacity kips - tension | Min. Pull-Out Strength kips - tension | | | |
| 1'-8'' | 14.7 | 7.9 | | | |
| 2'-2" | 23.0 | 12.3 | | | |
| 2'-7" | 33.1 | 17.4 | | | |
| 3:-5" | 45.1 | 23.8 | | | |
| 4'-6'' | 58.9 | 31.3 | | | |
| 5'-9" | 75.0 | 39.6 | | | |
| 7'-3" | 95.0 | 50.3 | | | |
| 9'-0" | 117.4 | 61.8 | | | |

| uction | | |
|-------------------|--------------------------------------|-----------------------|
| r Coll ers (E) | Threaded or Coll Splicer Rods (E) | Reinforcement Bars |
| <u></u> | | <u></u> |

STANDARD

| ar İze | No. Assemblies Required | Location |
|-----------|----------------------------|---------------|
| 5 | 44 | Piers 3 and 9 |
| | | |
| | | |

BAR SPLICER DETAILS SN 065-0003

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|----------------|---------------------|--------------|---------------|-------------|-----------------|--------------|
| F.A.P. RTE. | | SECTION | | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 34 (2) Bridge Rehab | | Menard | 29 | 27 | |
| | | | CONTRACT | NO. | 72C71 | |
| | FED. RO | AD DIST. NO. | ILLINOIS FED. | AID PROJECT | | |