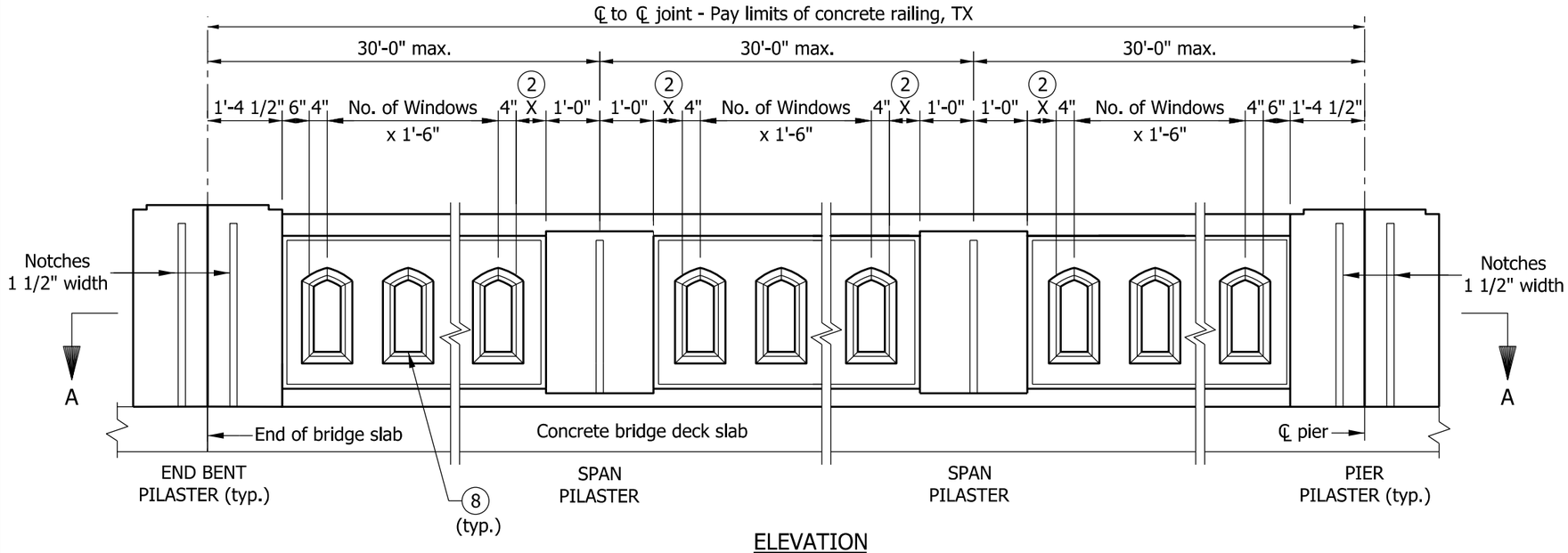
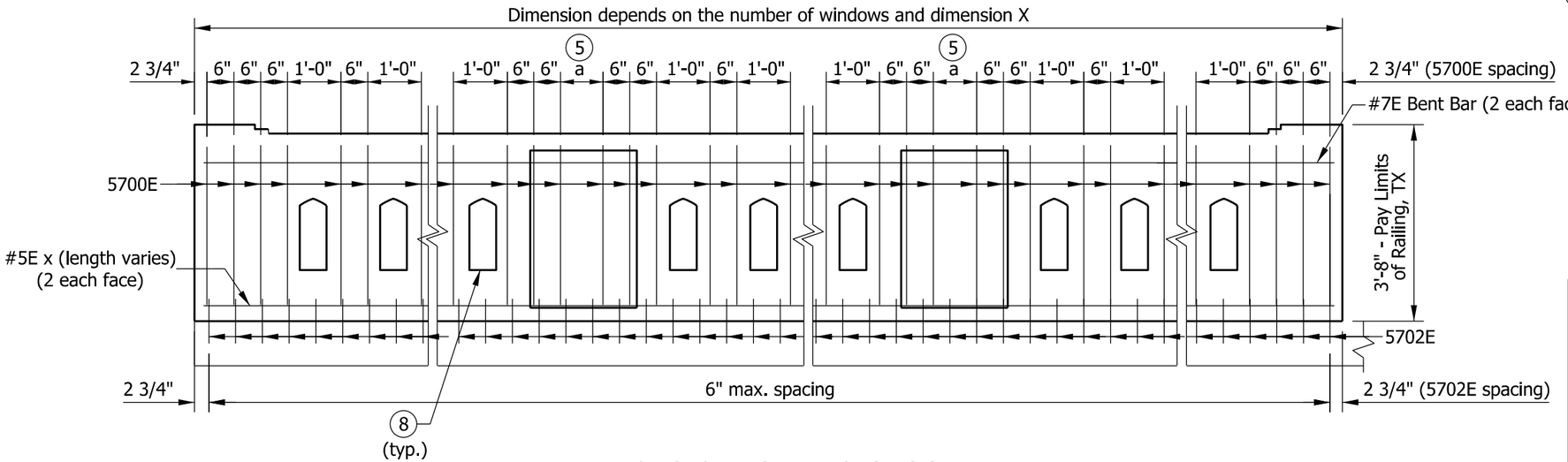
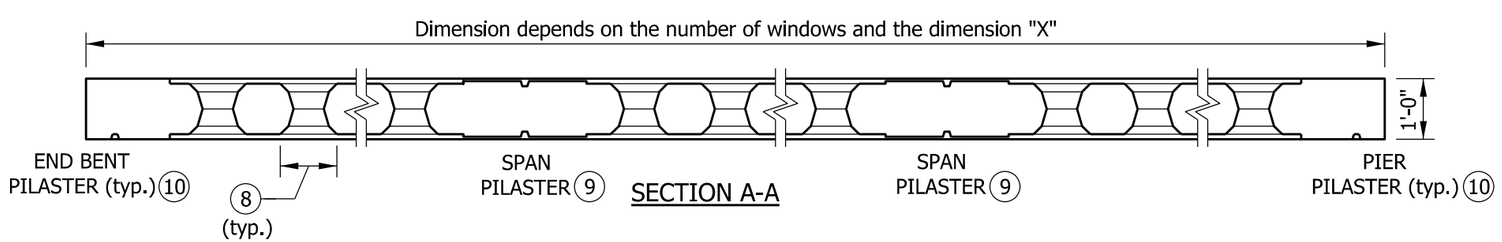



ELEVATION




ELEVATION SHOWING REINFORCING STEEL




SECTION A-A

## NOTES

1. See Standard Drawing E 706-BRTX-02, -03, and -04 for sections.
2. Select the number of windows and adjust dimension X to fit the span length.
3. Span pilasters may be omitted for a short span with X ≤ 2'-0".
4. Span pilasters are for aesthetic purposes only. Omitting span pilasters does not decrease the integrity of the railing.
5. Dimension a = 2X + 3 1/2". Space bars within dimension a equally ≤ 6".
6. See Standard Drawing E 706-TTTX-01 for Concrete Bridge Railing Transition, TTTX.
7. All reinforcing bars designated E shall be epoxy coated.
8. Window opening. See Standard Drawing E 706-BRTX-02 for details.
9. See Standard Drawing E 706-BRTX-03 for span pilaster details.
10. See Standard Drawing E 706-BRTX-04 for pier and end bent pilaster details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, TX
TYPICAL PANEL

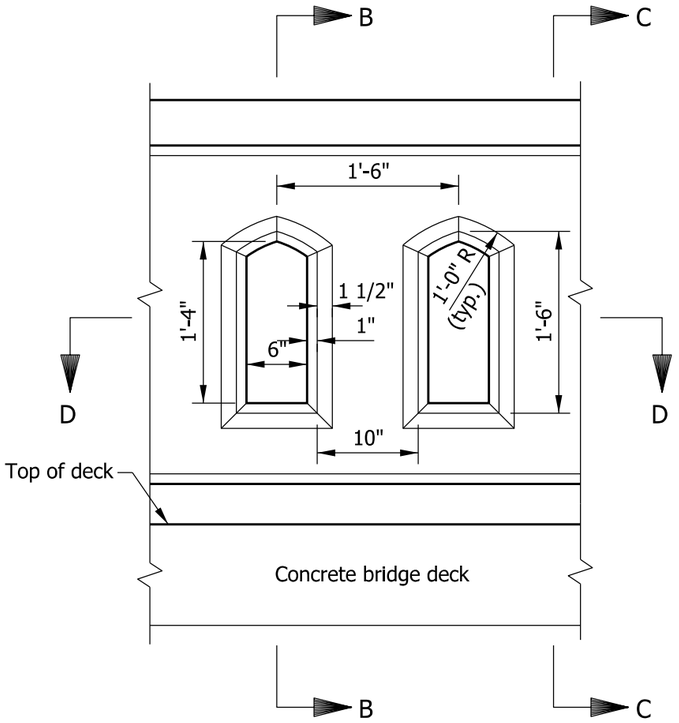
SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRTX-01

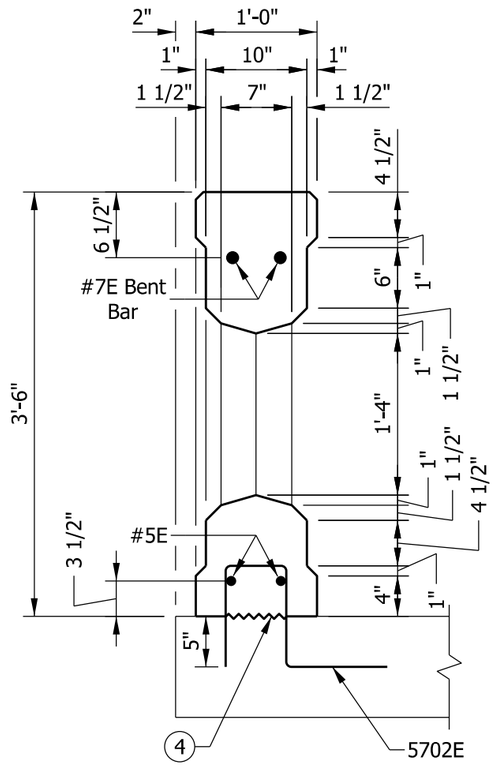
RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

/s/ Richard L. VanCleave 09/04/12
SUPERVISOR, ROADWAY STANDARDS DATE

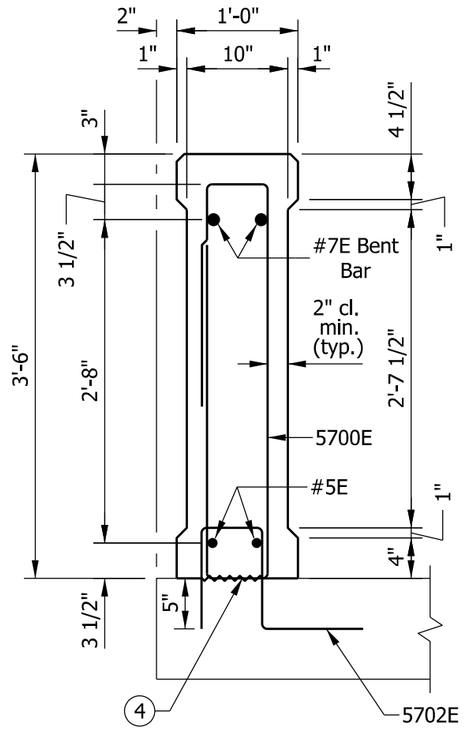
/s/ Mark A. Miller 09/04/12
CHIEF ENGINEER DATE




ELEVATION




SECTION B-B

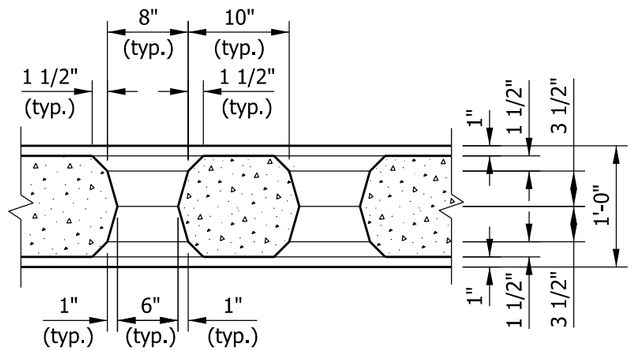



SECTION C-C

## NOTES

1. All reinforcing bars designated E shall be epoxy coated.
2. All chamfered edges shall be 3/4".
3. See Standard Drawing E 706-BRTX-04 for reinforcing-bar diagrams.

(4) Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.




SECTION D-D

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, TX
WINDOW DETAILS

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRTX-02

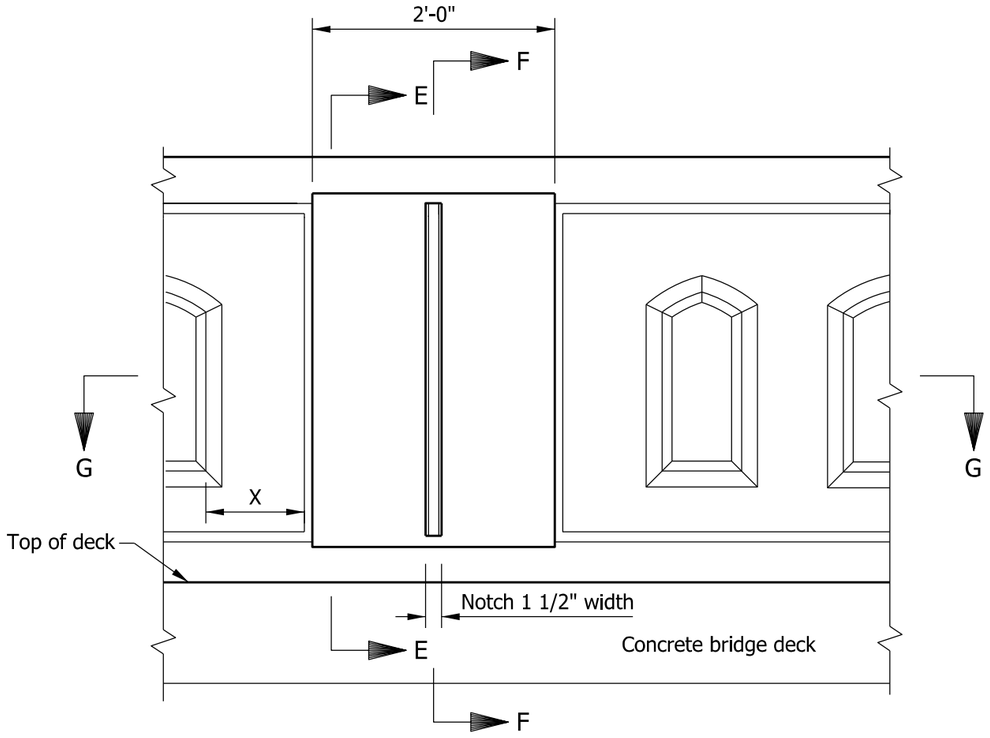
RICHARD L. VanCLEAVE
REGISTERED
No. 9750
STATE OF INDIANA
PROFESSIONAL ENGINEER

/s/ Richard L. VanCleave 09/04/12
SUPERVISOR, ROADWAY STANDARDS DATE

/s/ Mark A. Miller 09/04/12
CHIEF ENGINEER DATE

## NOTES

1. All reinforcing bars designated E shall be epoxy coated.
2. All chamfered edges shall be 3/4".
3. See Standard Drawing E 706-BRTX-04 for reinforcing-bar diagrams.
4. Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.
5. Adjust dimension X to fit the span length, depending upon the number of window openings.

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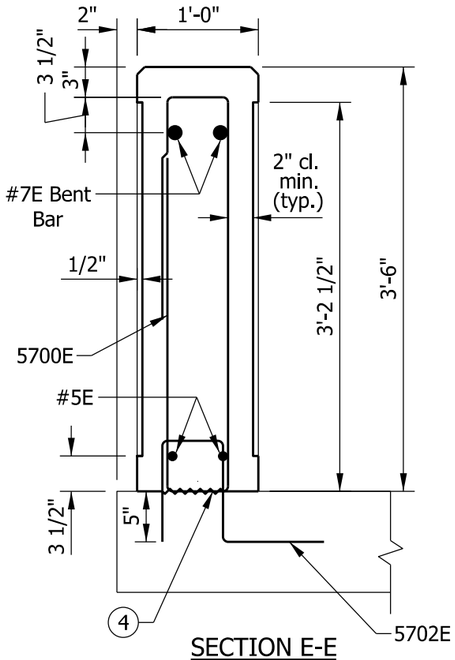
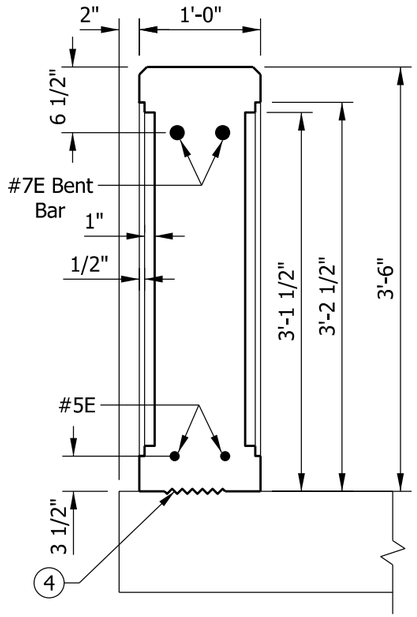
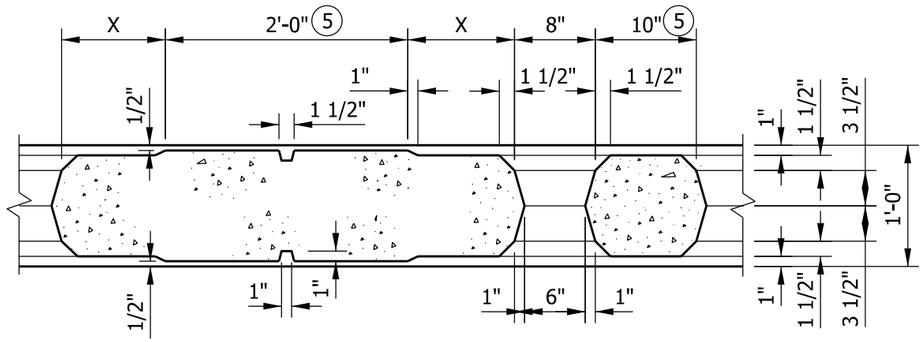



SECTION E-E

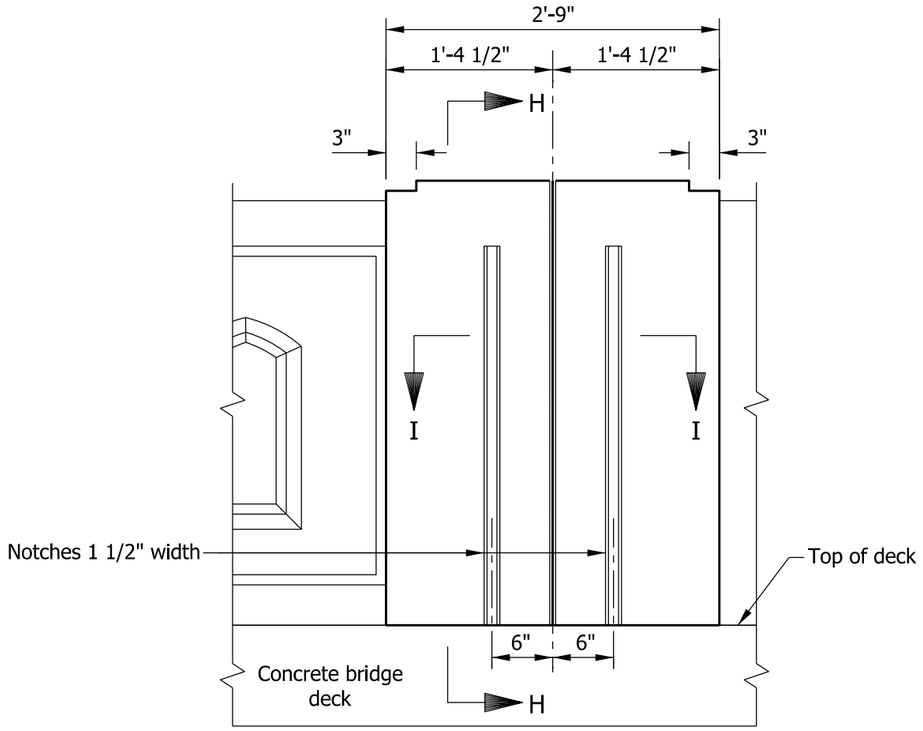



SECTION F-F

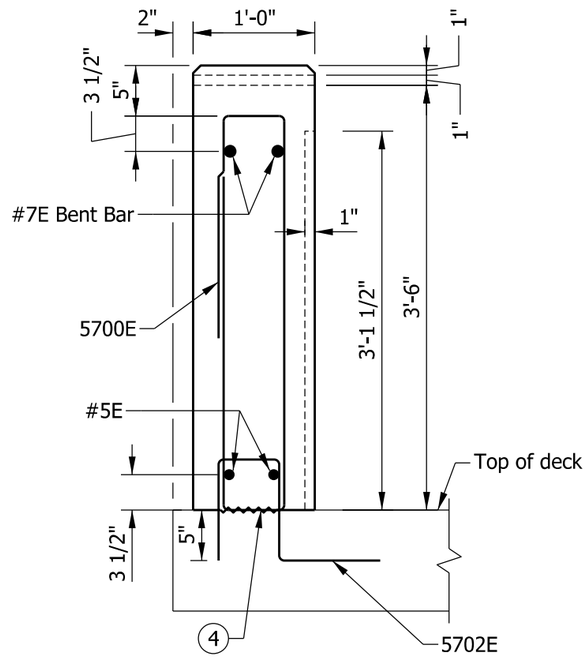



SECTION G-G

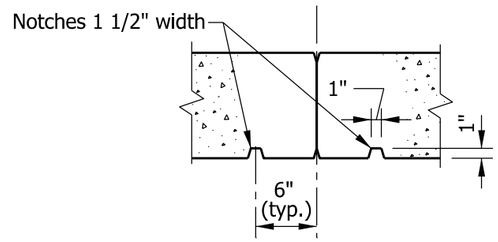
| INDIANA DEPARTMENT OF TRANSPORTATION | |
|---|---|
| RAILING, TX<br>SPAN PILASTER<br><br>SEPTEMBER 2012 | |
| STANDARD DRAWING NO. E 706-BRTX-03 | |
| RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER | /s/ Richard L. VanCleave 09/04/12<br>SUPERVISOR, ROADWAY STANDARDS DATE<br><br>/s/ Mark A. Miller 09/04/12<br>CHIEF ENGINEER DATE |




ELEVATION




SECTION H-H

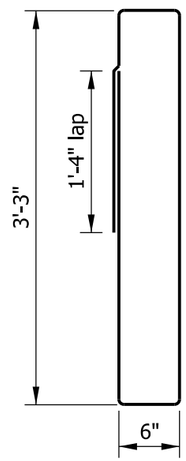



SECTION I-I

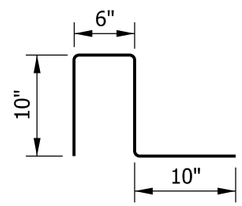
## NOTES

1. All reinforcing bars designated E shall be epoxy coated.
2. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending details and notes.
3. All chamfered edges shall be 3/4".

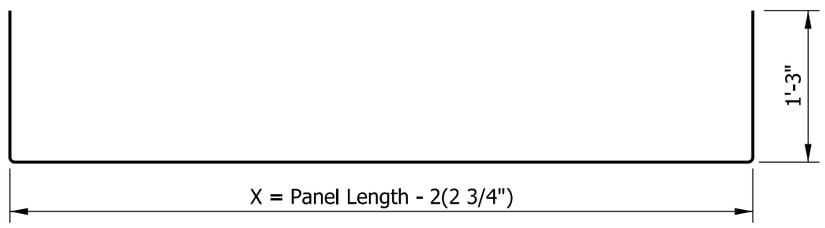
(4) Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.




5700E x 8'-10"




5702E x 2'-2"




#7E BENT BAR x (X + 2'-6")

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, TX
PIER OR END BENT PILASTER

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-BRTX-04

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

/s/ Richard L. VanCleave 09/04/12
SUPERVISOR, ROADWAY STANDARDS DATE

/s/ Mark A. Miller 09/04/12
CHIEF ENGINEER DATE