

## NOTES:

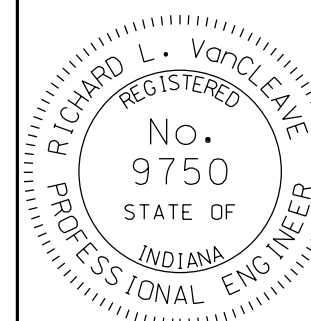
- See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes.
- See Standard Drawing E 706-BRSF-01 for concrete railing type FC details.
- Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING TYPE FC AND MOMENT SLAB  
ASIDE MSE WALL - PCCP

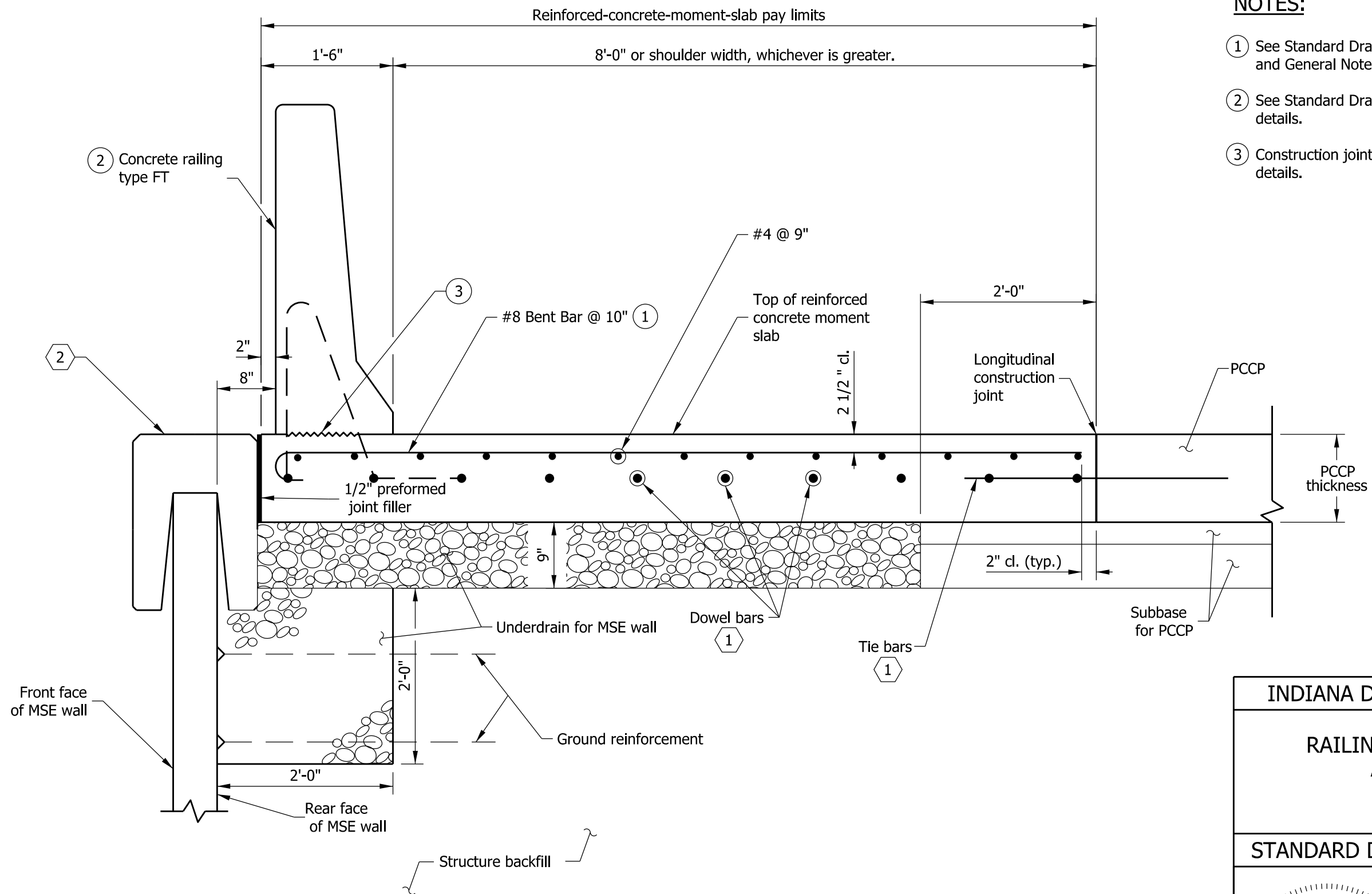
SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-01



/s/ Richard L. VanCleave 09/04/12  
DESIGN STANDARDS ENGINEER DATE

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



# NOTES:

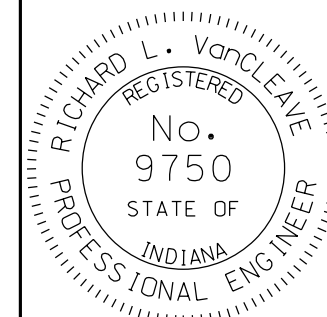
- See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes.
- See Standard Drawing E 706-BRSF-02 for concrete railing type FT details.
- Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING TYPE FT AND MOMENT SLAB  
ASIDE MSE WALL - PCCP

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-02

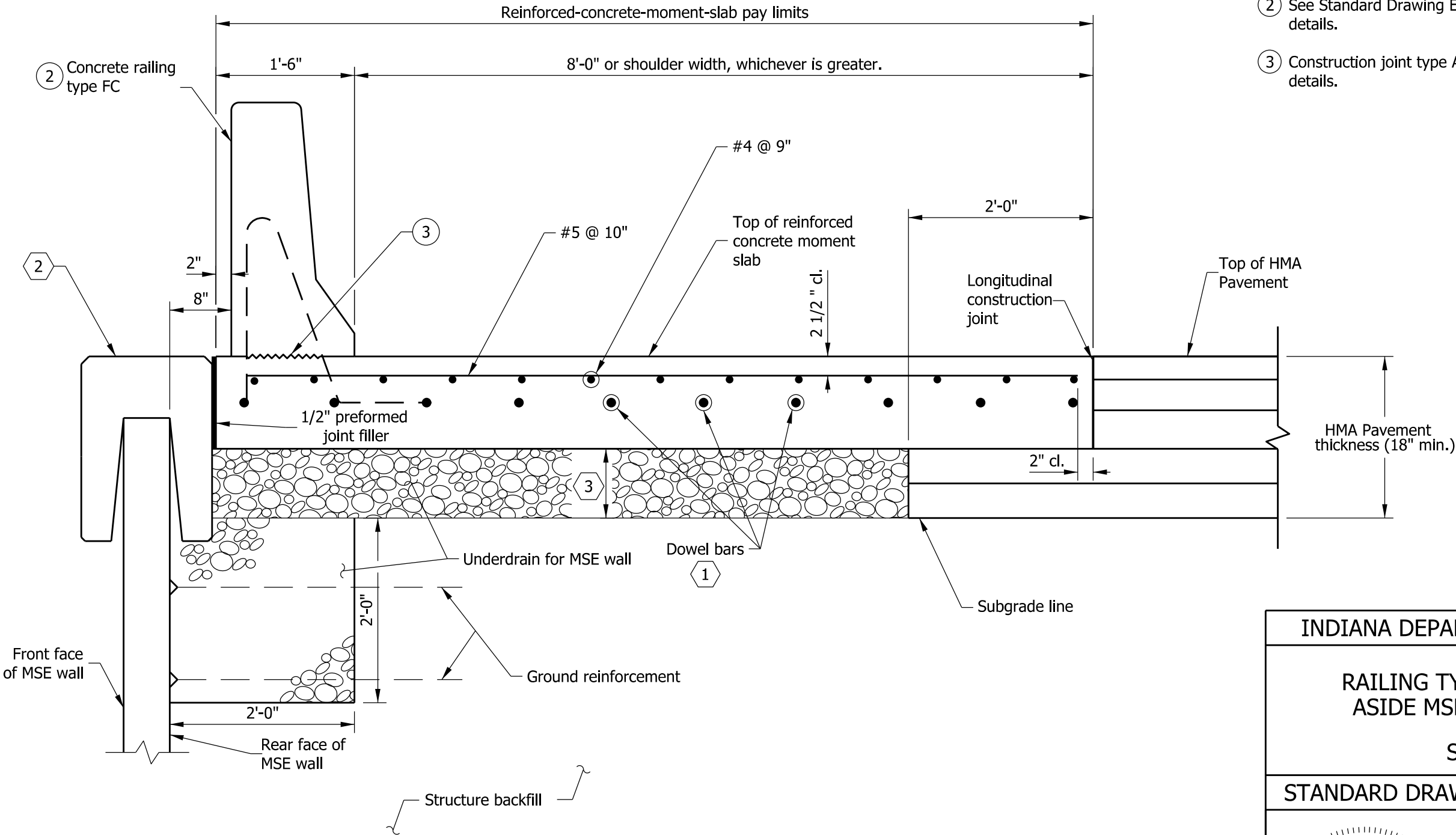


/s/ Richard L. VanCleave 09/04/12  
DESIGN STANDARDS ENGINEER DATE

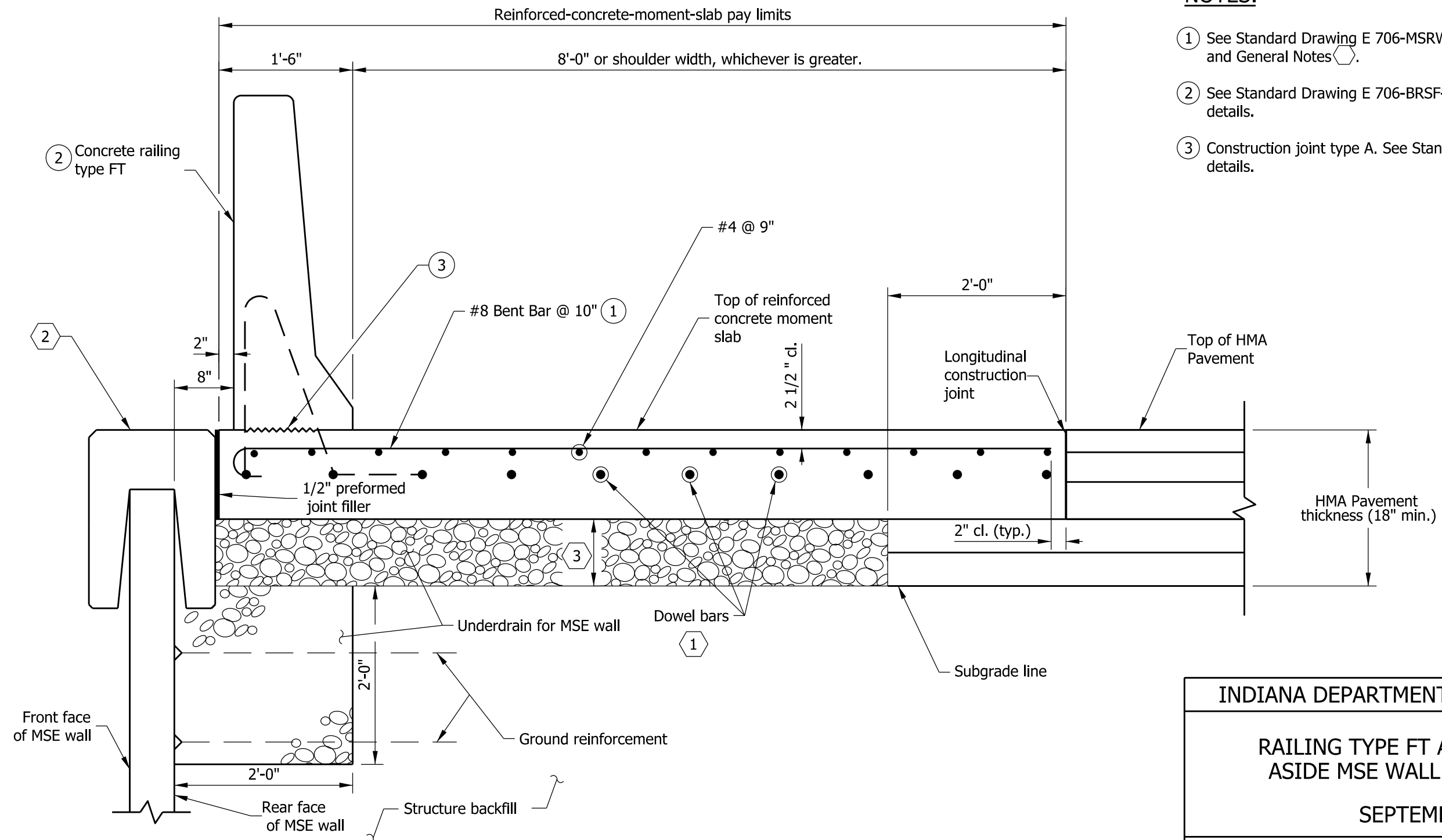
/s/ Mark A. Miller 09/04/12  
CHIEF ENGINEER DATE

NOTES:

- 1. See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes.
- 2 See Standard Drawing E 706-BRSF-01 for concrete railing type FC details.
- 3 Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.



INDIANA DEPARTMENT OF TRANSPORTATION			
RAILING TYPE FC AND MOMENT SLAB ASIDE MSE WALL - HMA PAVEMENT			
SEPTEMBER 2012			
STANDARD DRAWING NO.		E 706-MSRW-03	
	/s/ Richard L. VanCleave	09/04/12	
	DESIGN STANDARDS ENGINEER	DATE	
	/s/ Mark A. Miller	09/04/12	
	CHIEF ENGINEER	DATE	



# NOTES:

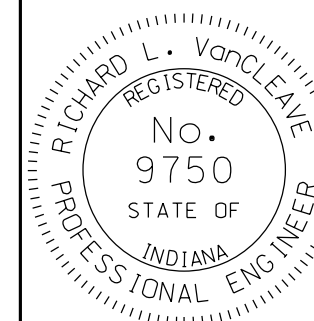
- See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes.
- See Standard Drawing E 706-BRSF-02 for concrete railing type FT details.
- Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING TYPE FT AND MOMENT SLAB  
ASIDE MSE WALL - HMA PAVEMENT

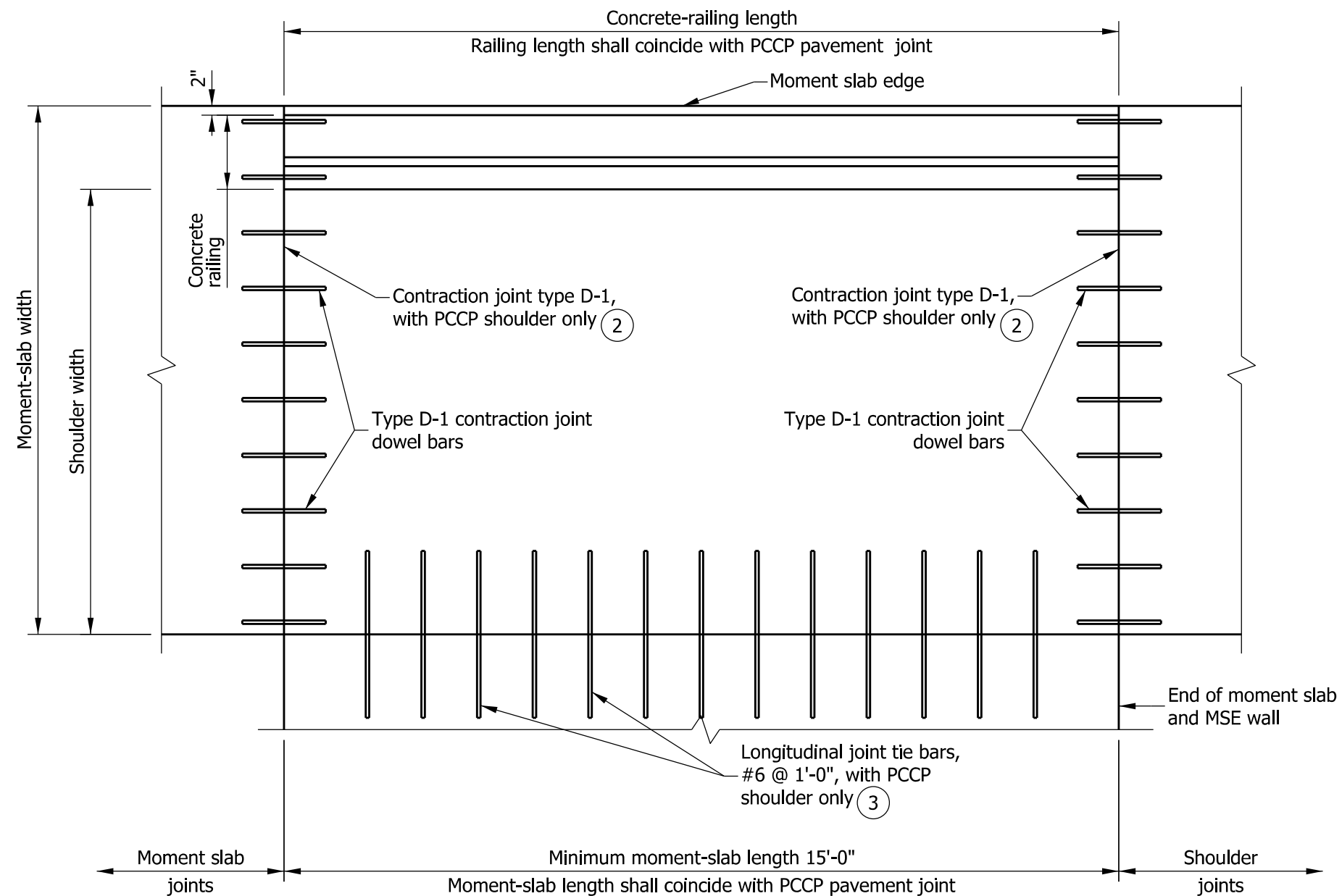
SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-04

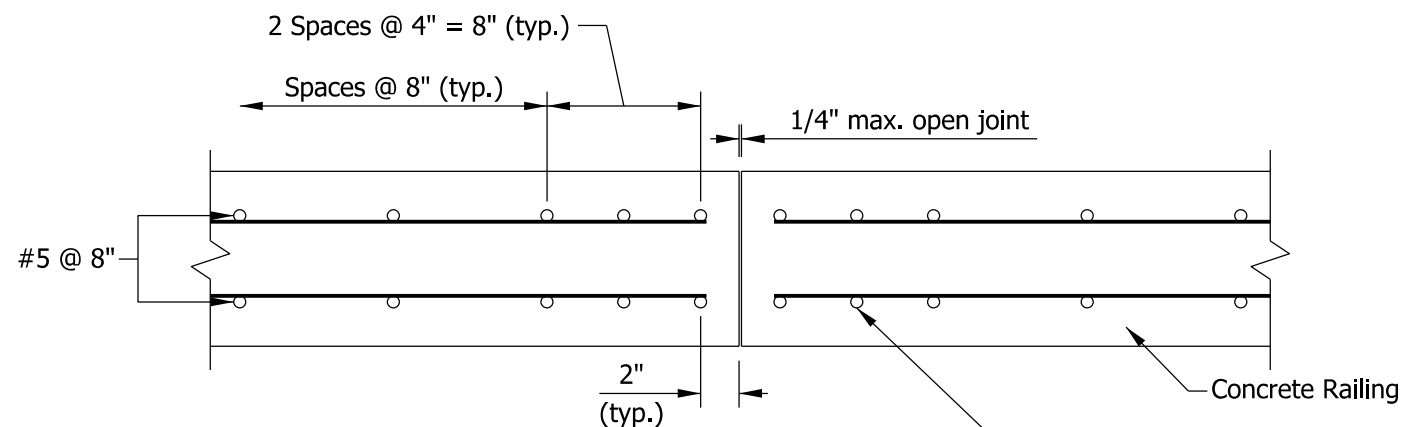


/s/ Richard L. VanCleave 09/04/12  
DESIGN STANDARDS ENGINEER DATE

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



**PLAN - REINFORCED CONCRETE MOMENT SLAB JOINTS**



**PLAN - CONCRETE RAILING  
ADDITIONAL VERTICAL STEEL**

**NOTES:**

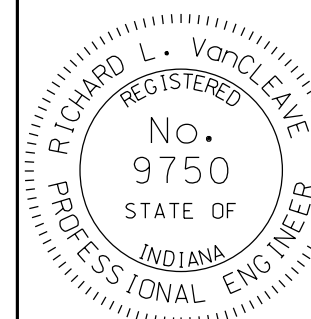
1. Where used with HMA mainline pavement, concrete railing and moment-slab lengths shall coincide and be spaced at 18 ft. 0 in.
- (2) See Standard Drawing series E 503-CCPJ for contraction joint type D-1 details.
- (3) See Standard Drawing series E 503-CCPJ for joint tie-bar details.

INDIANA DEPARTMENT OF TRANSPORTATION

MOMENT SLAB AND RAILING JOINTS

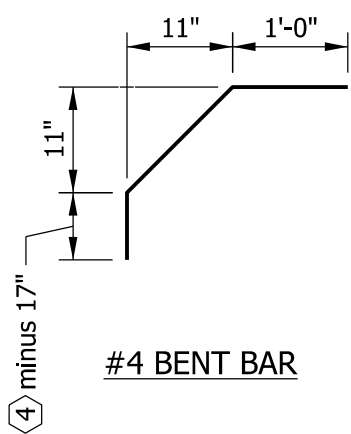
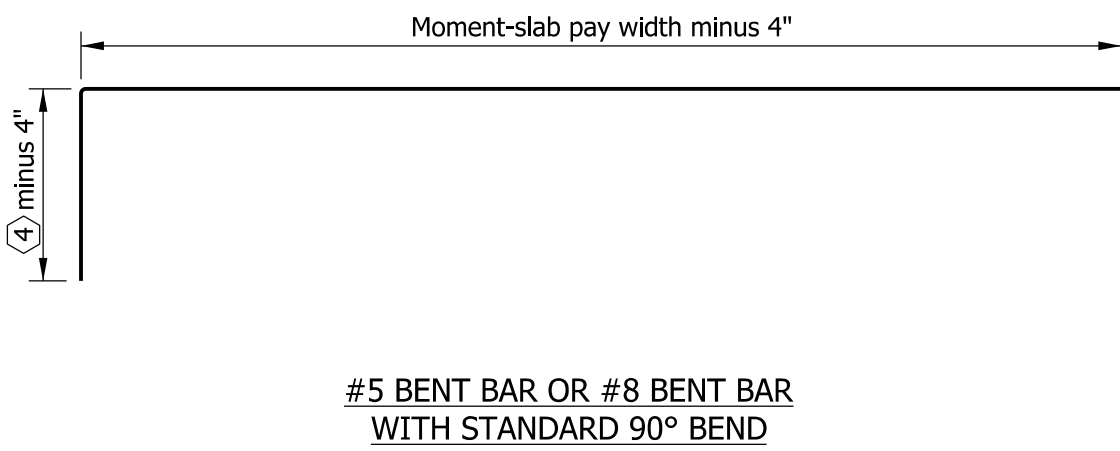
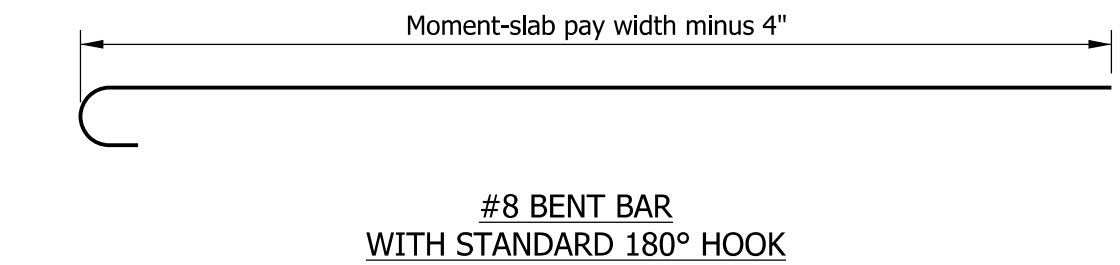
SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-09



/s/ Richard L. VanCleave 09/04/12  
DESIGN STANDARDS ENGINEER DATE

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



- GENERAL NOTES:**
- ① See Standard Drawing E 706-MSRW-09 for plan view and additional reinforcing bars in the railing at the railing joints.
  - ② See Standard Drawing E 731-MSEW-01 for coping details.
  - ③ The thickness of the coarse aggregate No. 8 shall be equal to the combined thickness of the first two lifts of the HMA, but not less than 6 in.
  - ④
    - For moment slab thickness  $\leq 15$  in., this shall be 2 ft. 0 in.
    - For moment slab thickness  $> 15$  in., this shall be moment-slab thickness plus 12 in.
  - 5. The moment slab shall be used only within the limits of the MSE wall.
  - 6. Reinforcing bars in the moment slab shall be epoxy coated.
  - 7. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending diagrams and notes.

INDIANA DEPARTMENT OF TRANSPORTATION			
RAILING AND MOMENT SLAB AT MSE WALL			
SEPTEMBER 2012			
STANDARD DRAWING NO.		E 706-MSRW-10	
	/s/ <i>Richard L. VanCleave</i>		09/04/12
	DESIGN STANDARDS ENGINEER		DATE
	/s/ <i>Mark A. Miller</i>		09/04/12
	CHIEF ENGINEER		DATE