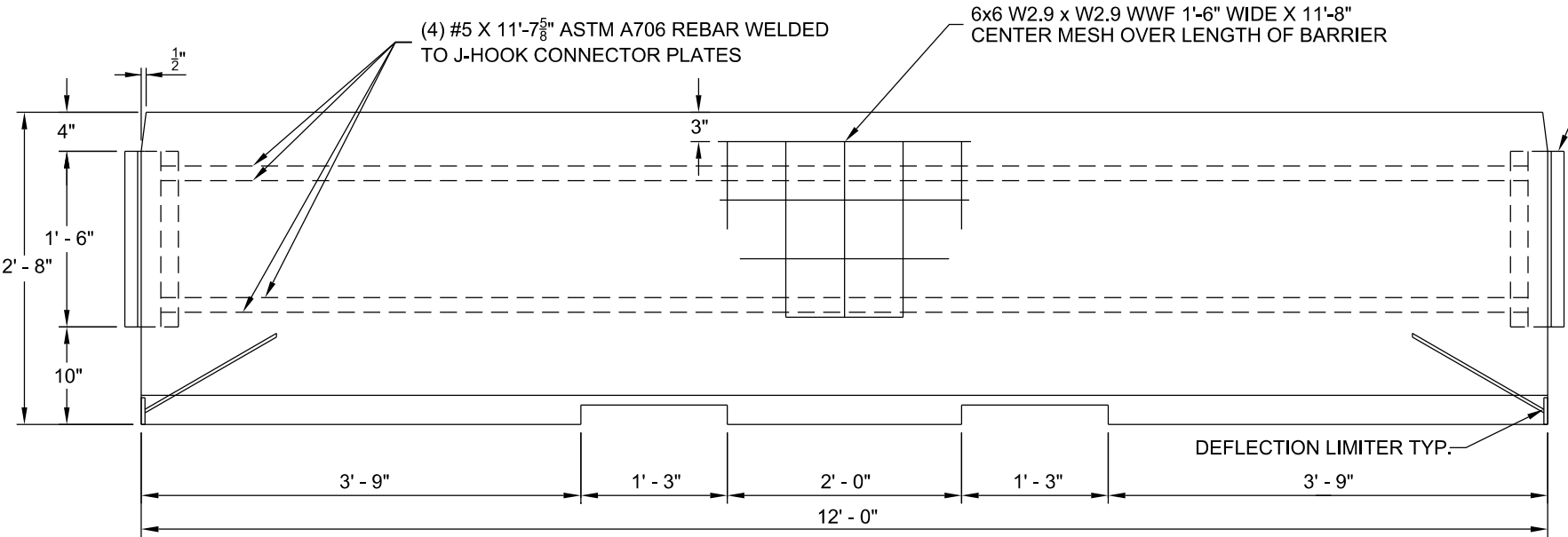
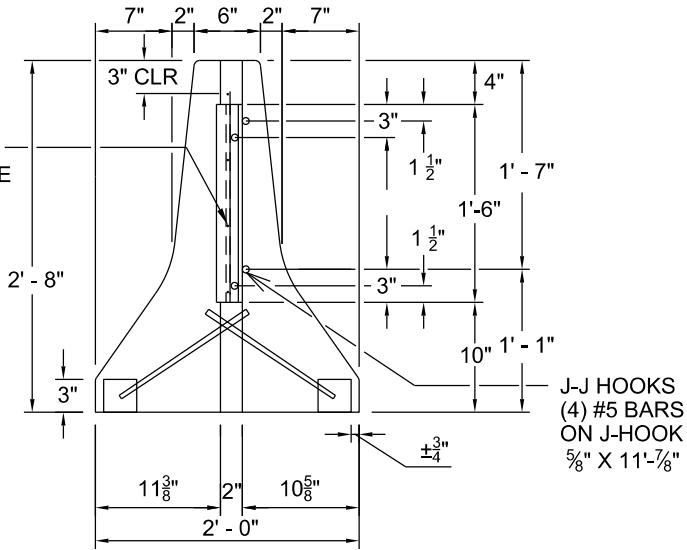
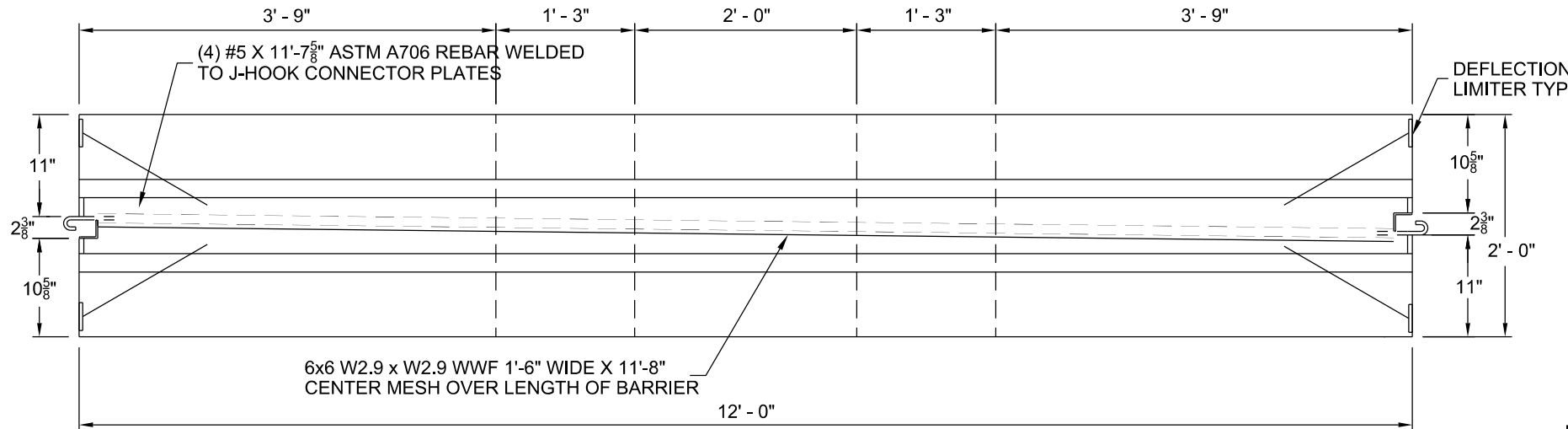




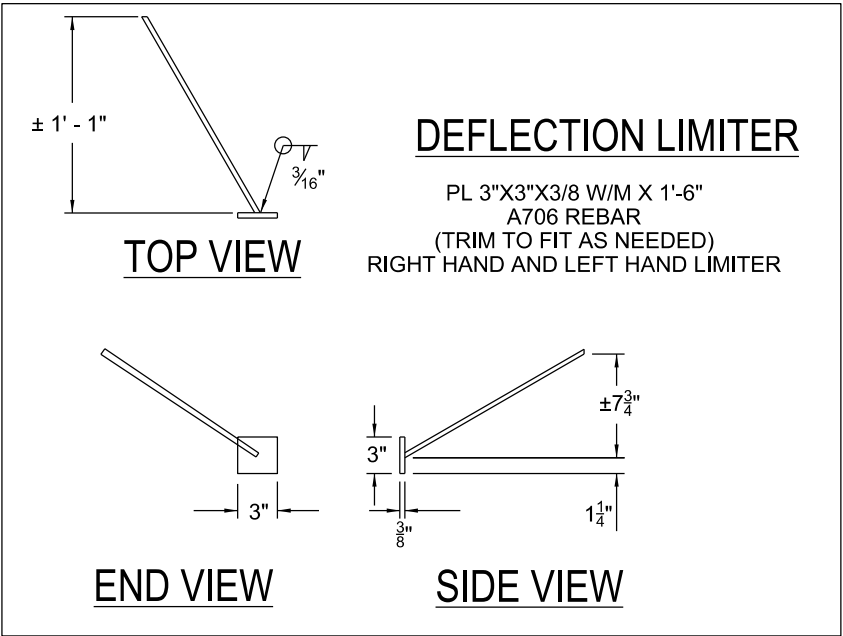
SIDE VIEW



END VIEW & REINFORCING



TOP VIEW



TOP VIEW

DEFLECTION LIMITER

PL 3"x3"x3/8 W/M x 1'-6"
A706 REBAR
(TRIM TO FIT AS NEEDED)
RIGHT HAND AND LEFT HAND LIMITER

END VIEW

SIDE VIEW

NOTES:

- THIS TEMPORARY CONCRETE BARRIER MEETS MASH TL-3 REQUIREMENTS.
- ALL APPROVED TEMPORARY CONCRETE BARRIER SHALL HAVE THE SCDOT APPROVAL STAMP EMBEDDED ON TOP OF THE BARRIER UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. FOR THE RECESSED APPROVAL STAMP DETAILS, SEE THE STANDARD DRAWING FOR THE SCDOT APPROVAL STAMP.

SPECIFICATIONS:

MATERIALS:

- CONCRETE: CLASS AA CONCRETE 4000 PSI (34 MPa) MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS.
- REINFORCING: WELDED WIRE REINFORCEMENT: ASTM A1064 GR. 65
- REBAR: ASTM A-706 (A-706M) GRADE 60
- ALL REINFORCING STEEL WILL BE GRADE 60, UNLESS OTHERWISE SPECIFIED. ALL WELDED REBAR IS ASTM A706. PRODUCERS OPTION TO USE OF LIFTING DEVICES, CHAIRS, SPACERS, OR MISCELLANEOUS REBAR TO SECURE CAGE IN FORM & HANDLING AS NEEDED.
- STEEL: ASTM A-36 (A-36M) (PLAIN/ MILL FINISH). OPTIONAL - GALVANIZED J-J HOOKS AS REQUIRED

MATERIALS LIST	
4 Deflection Limiters Per Barrier	(2) LEFT HAND (2) RIGHT HAND
2 J-J Hook Assembly Per Barrier	
1 WWF W2.9 x W2.9 6X6 1'-6" WIDE X 11'-8"	
APPROX. CONCRETE CY: 1.22	
APPROX. WEIGHT: 4,900 LBS	

REFERENCES

WORK ZONE TRAFFIC
CONTROL ENGINEER



SIGNATURE

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#	DATE	CHK	DESCRIPTION



STANDARD DRAWING

TEMPORARY
CONCRETE BARRIER
JERSEY SHAPE
FREE STANDING
J-J HOOK

605-206-01

EFFECTIVE LETTING DATE JANUARY 2021

[illegible]

WORK ZONE TRAFFIC
CONTROL ENGINEER



A circular professional engineer seal for the State of South Carolina. The outer ring contains the text "SOUTH CAROLINA" at the top and "WILLIE E. McCONNELL, JR" at the bottom. The inner ring contains the text "LICENSED PROFESSIONAL ENGINEER". The center of the seal displays the license number "NO. 24242".

SIGNATURE

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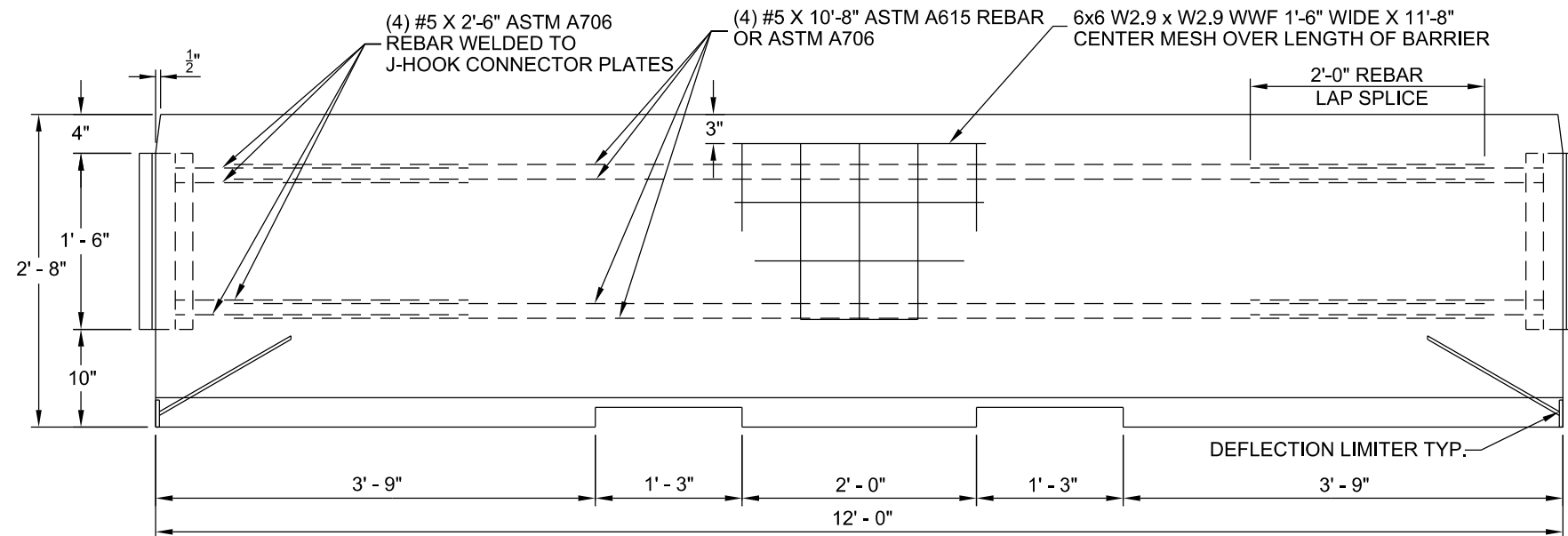
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TEMPORARY CONCRETE BARRIER JERSEY SHAPE FREE STANDING ALTERNATE DESIGN J-J HOOK	
605-206-02	
EFFECTIVE LETTING DATE	JANUARY 2021

STANDARD DRAWING	
TEMPORARY CONCRETE BARRIER JERSEY SHAPE FREE STANDING ALTERNATE DESIGN J-J HOOK	
605-206-02	
EFFECTIVE LETTING DATE	JANUARY 2021

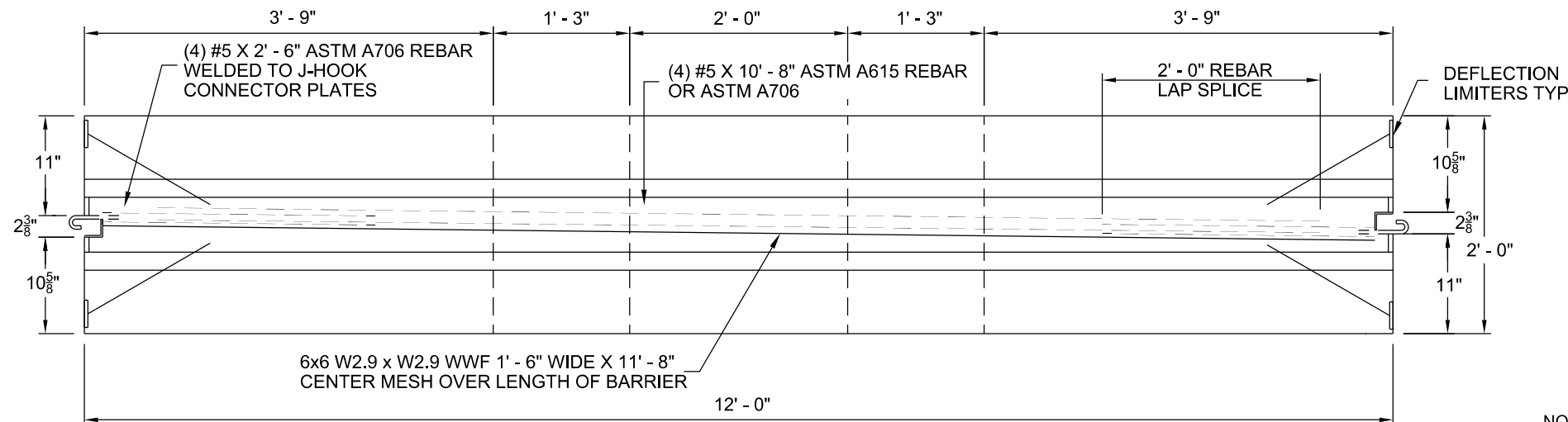
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605-206-02	
EFFECTIVE LETTING DATE	JANUARY 2021

STANDARD DRAWING	
TEMPORARY CONCRETE BARRIER JERSEY SHAPE FREE STANDING ALTERNATE DESIGN J-J HOOK	
605-206-02	
EFFECTIVE LETTING DATE	JANUARY 2021

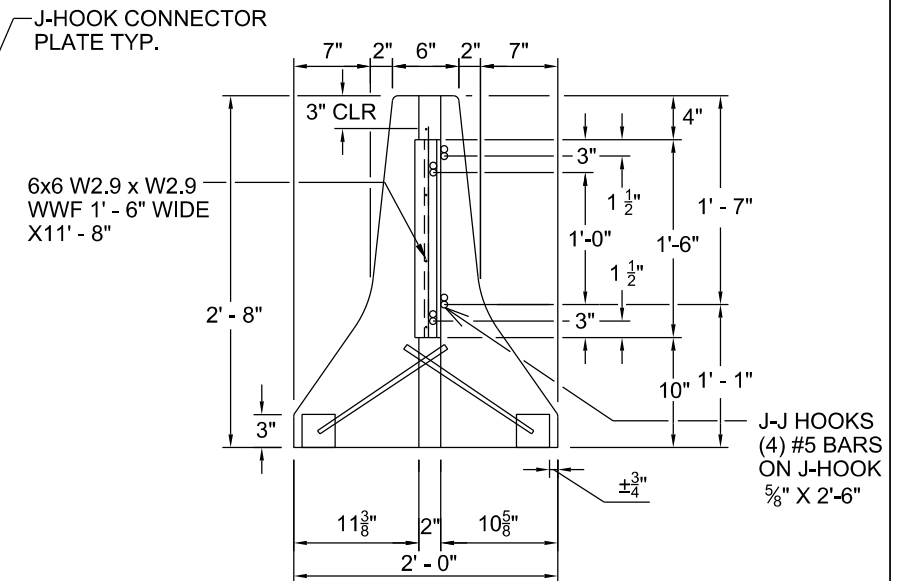
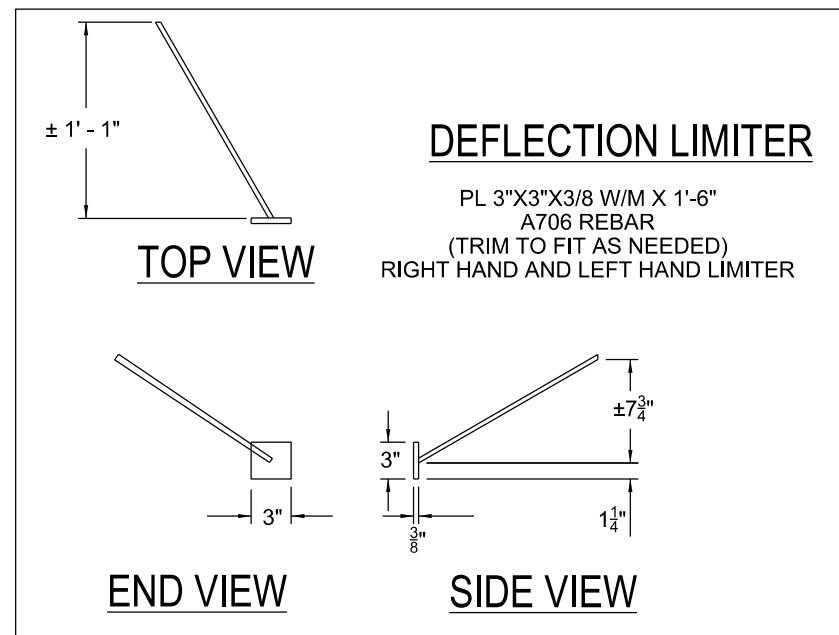
STANDARD DRAWING	
TEMPORARY CONCRETE BARRIER JERSEY SHAPE FREE STANDING ALTERNATE DESIGN J-J HOOK	
605-206-02	
EFFECTIVE LETTING DATE	JANUARY 2021



SIDE VIEW - ALTERNATE REINFORCING



TOP VIEW - ALTERNATE REINFORCING



END VIEW & REINFORCING

NOTES:

1. THIS TEMPORARY CONCRETE BARRIER MEETS MASH TL-3 REQUIREMENTS.
2. ALL APPROVED TEMPORARY CONCRETE BARRIER SHALL HAVE THE SCDOT APPROVAL STAMP EMBEDDED ON TOP OF THE BARRIER UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. FOR THE RECESSED APPROVAL STAMP DETAILS, SEE THE STANDARD DRAWING FOR THE SCDOT APPROVAL STAMP.

SPECIFICATIONS:

MATERIALS:

CONCRETE: CLASS AA CONCRETE 4000 PSI (34 MPa)
MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS.

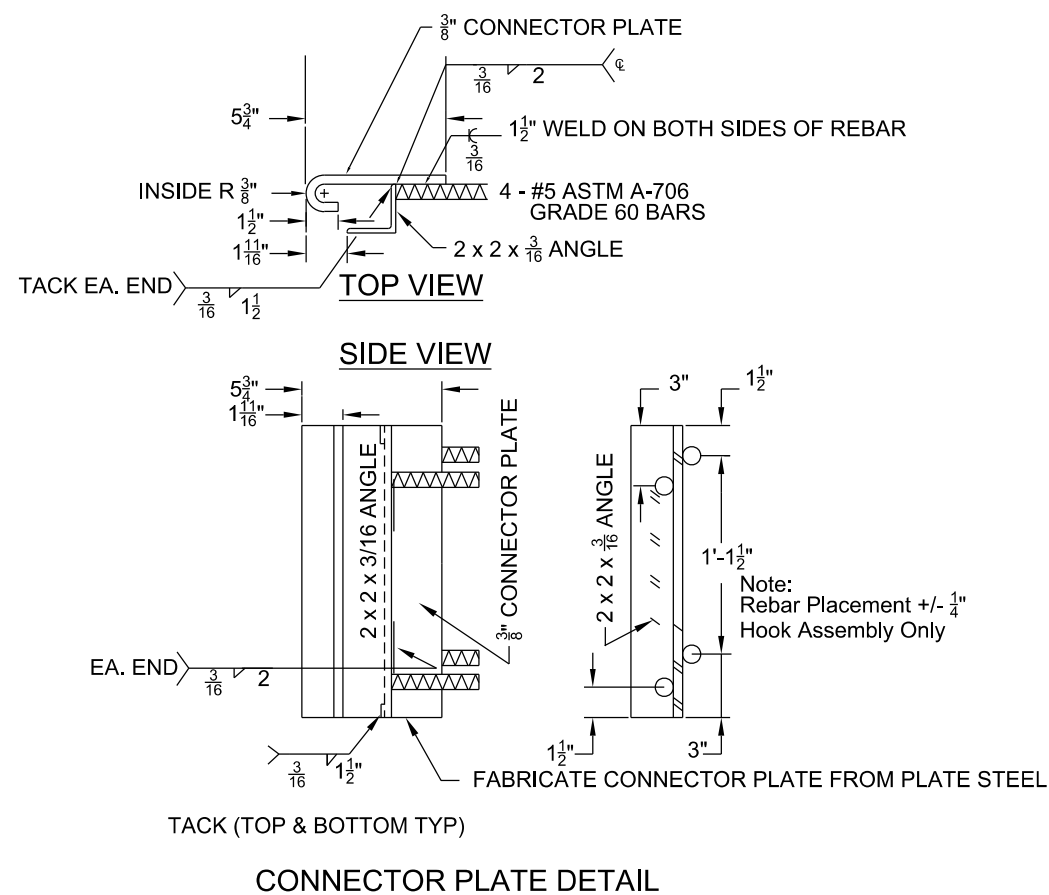
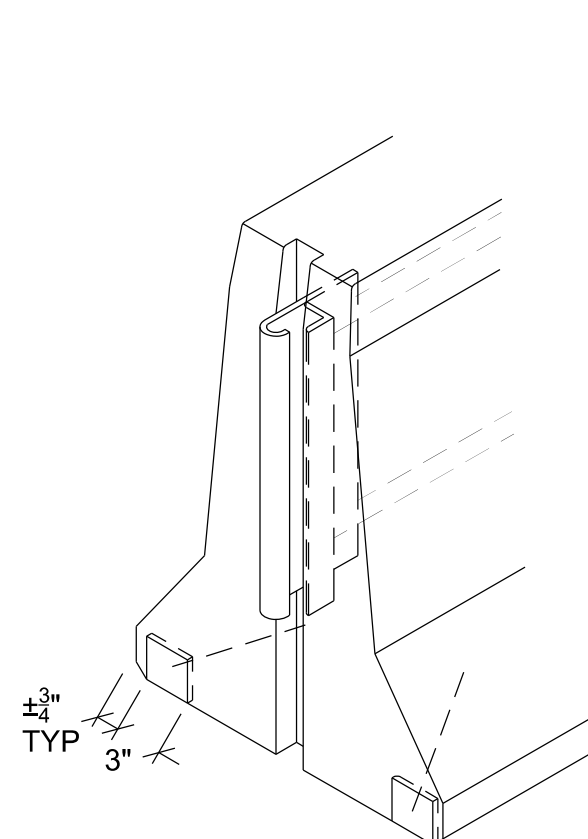
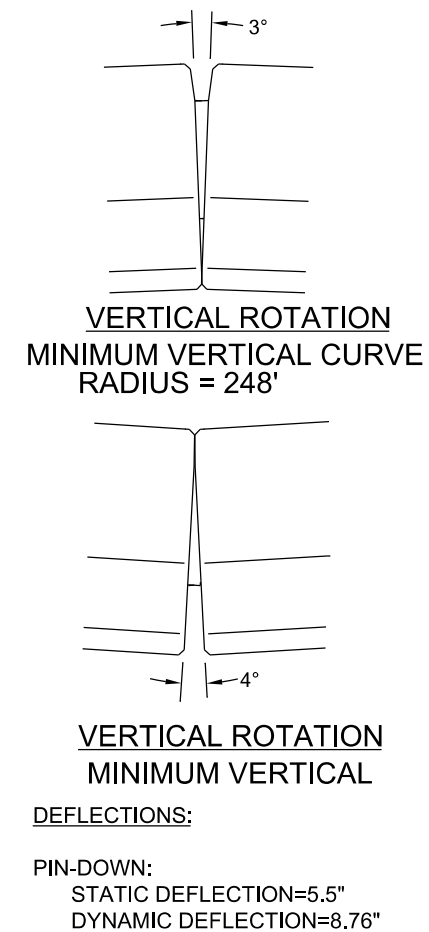
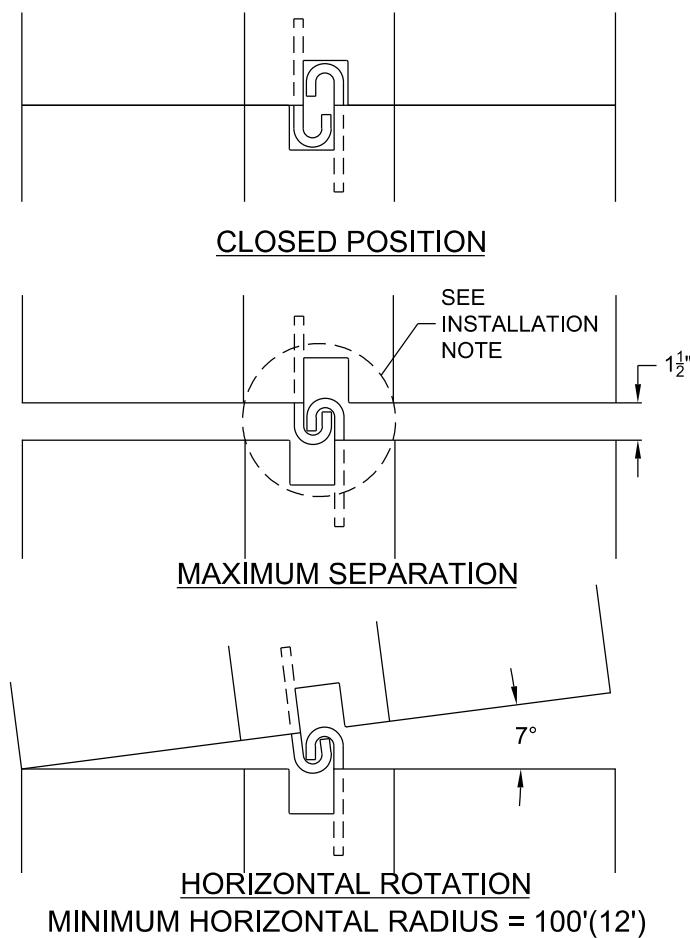
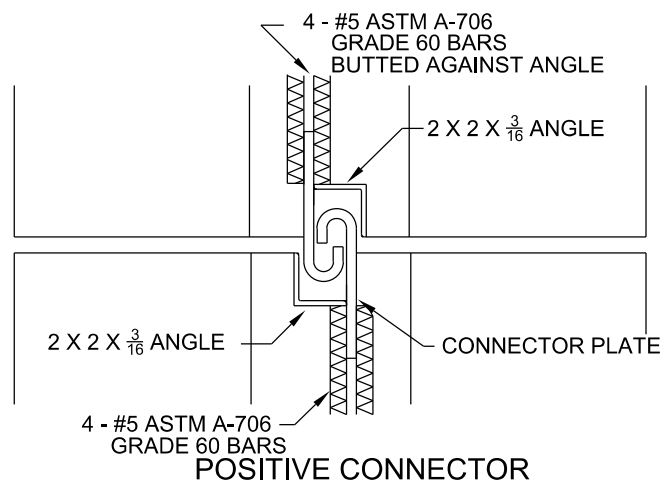
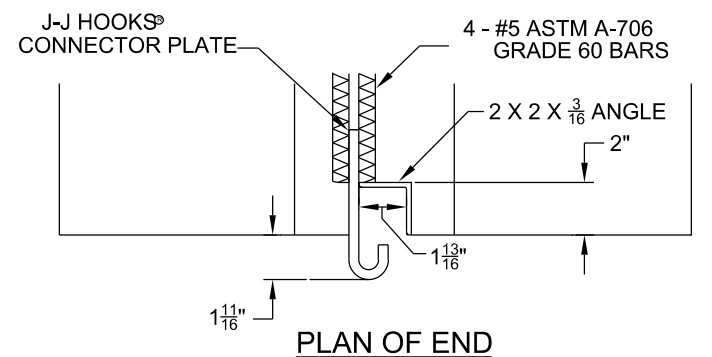
REINFORCING: WELDED WIRE REINFORCEMENT: ASTM A1064 GR. 65

REBAR: ASTM A-706 (A-706M) GRADE 60

ALL REINFORCING STEEL WILL BE GRADE 60, UNLESS OTHERWISE SPECIFIED. ALL WELDED REBAR IS ASTM A706. PRODUCERS OPTION TO USE OF LIFTING DEVICES, CHAIRS, SPACERS, OR MISCELLANEOUS REBAR TO SECURE CAGE IN FORM & HANDLING AS NEEDED.

STEEL: ASTM A-36 (A-36M) (PLAIN/ MILL FINISH).
OPTIONAL - GALVANIZED J-J HOOKS AS REQUIRED

MATERIALS LIST	
4 Deflection Limiters Per Barrier	(2) LEFT HAND
2 JJ HookKs Assembly Per Barrier	(2) RIGHT HAND
1 WWF W2.9 x W2.9 6X6 1'-6" WIDE X 11'-8"	
APPROX. CONCRETE CY: 1.22	
APPROX. WEIGHT: 4,900 LBS	



NOTES:

1. THIS TEMPORARY CONCRETE BARRIER MEETS MASH TL-3 REQUIREMENTS.
2. ALL APPROVED TEMPORARY CONCRETE BARRIER SHALL HAVE THE SCDOT APPROVAL STAMP EMBEDDED ON TOP OF THE BARRIER UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. FOR THE RECESSED APPROVAL STAMP DETAILS. SEE THE STANDARD DRAWING FOR THE SCDOT APPROVAL STAMP.

SPECIFICATIONS:

MATERIALS:

CONCRETE: CLASS AA CONCRETE 4000 PSI (34 MPa)
MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS.

REINFORCING: WELDED WIRE REINFORCEMENT: ASTM A1064 GR. 65

REBAR: ASTM A-706 (A-706M) GRADE 60

ALL REINFORCING STEEL WILL BE GRADE 60, UNLESS OTHERWISE SPECIFIED. ALL WELDED REBAR IS ASTM A706. PRODUCERS OPTION TO USE OF LIFTING DEVICES, CHAIRS, SPACERS, OR MISCELLANEOUS REBAR TO SECURE CAGE IN FORM & HANDLING AS NEEDED.

STEEL: ASTM A-36 (A-36M) (PLAIN/ MILL FINISH).
OPTIONAL - GALVANIZED J-J HOOKS AS REQUIRED

MATERIALS LIST	
4 Deflection Limiters Per Barrier	(2) LEFT HAND (2) RIGHT HAND
2 JJ HookKs Assembly Per Barrier	
1 WWF W2.9 x W2.9 6X6 1'-6" WIDE X 11'-8"	
APPROX. CONCRETE CY: 1.22	
APPROX. WEIGHT: 4,900 LBS	

REFERENCES

WORK ZONE TRAFFIC
CONTROL ENGINEER



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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

TEMPORARY
CONCRETE BARRIER
JERSEY SHAPE
END CONNECTIONS
J-J HOOK

605-206-03

EFFECTIVE LETTING DATE	JANUARY 2021
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THIS DRAWING IS NOT TO SCALE

REFERENCES

WORK ZONE TRAFFIC CONTROL ENGINEER

SOUTH CAROLINA

LICENSED PROFESSIONAL ENGINEER

NO. 24242

WILLIE E. McCONNELL, JR.

SIGNATURE

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

DESIGN STANDARDS OFFICE

955 PARK STREET

ROOM 405

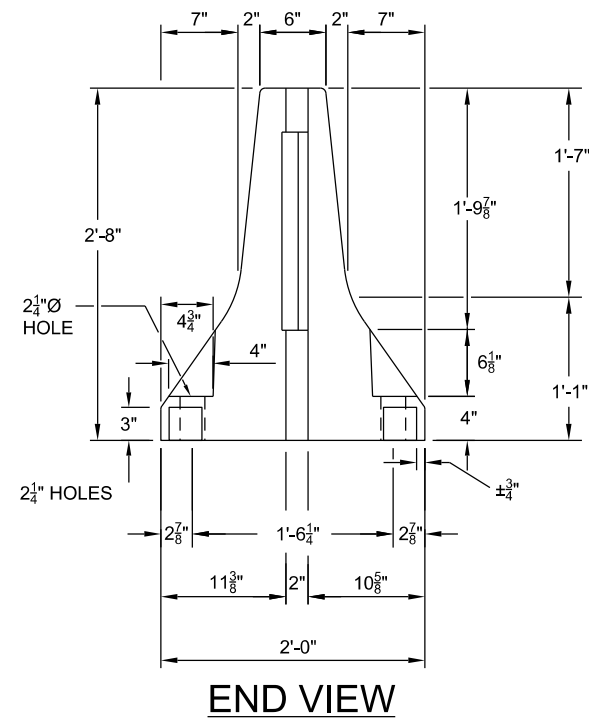
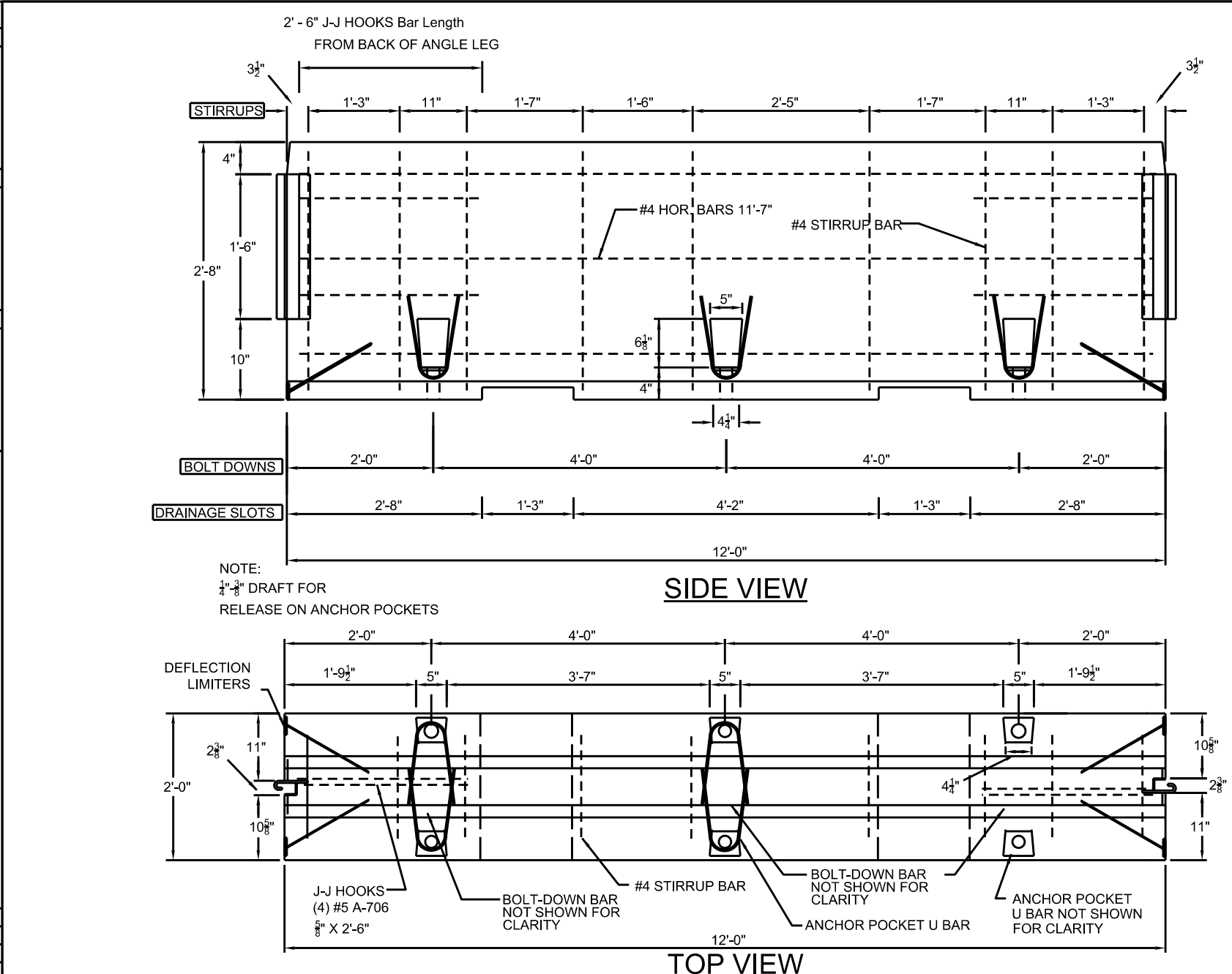
COLUMBIA, SC 29201

STANDARD DRAWING

TEMPORARY CONCRETE BARRIER JERSEY SHAPE PINNED J-J HOOK

605-206-04

EFFECTIVE LETTING DATEJANUARY 2021



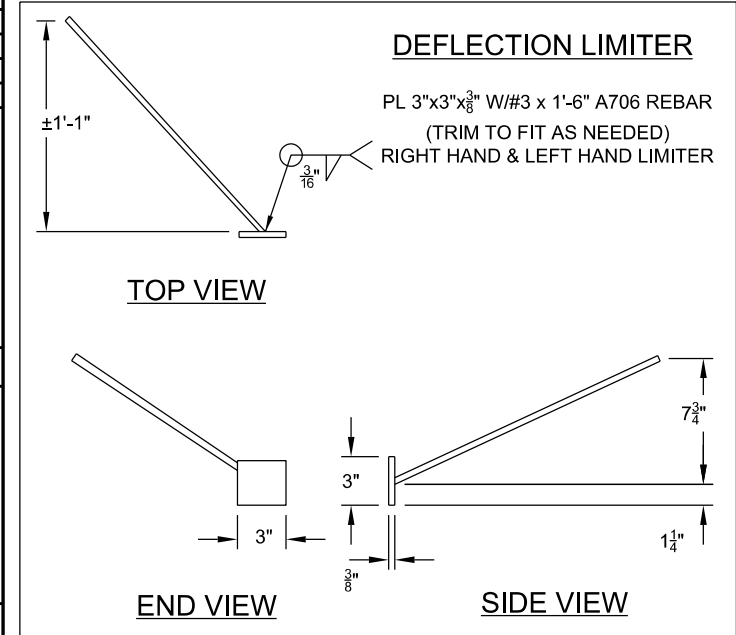
- NOTES:
1. THIS TEMPORARY CONCRETE BARRIER MEETS MASH TL-3 REQUIREMENTS.

2. ALL APPROVED TEMPORARY CONCRETE BARRIER SHALL HAVE THE SCDOT APPROVAL STAMP EMBEDDED ON TOP OF THE BARRIER UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. FOR THE RECESSED APPROVAL STAMP DETAILS, SEE THE STANDARD DRAWING FOR THE SCDOT APPROVAL STAMP.
- SPECIFICATIONS:
- MATERIALS:
- CONCRETE:

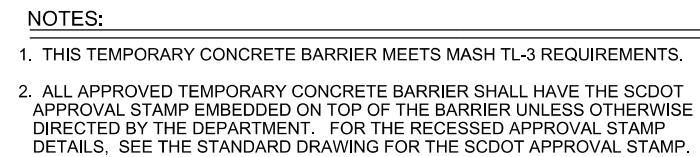
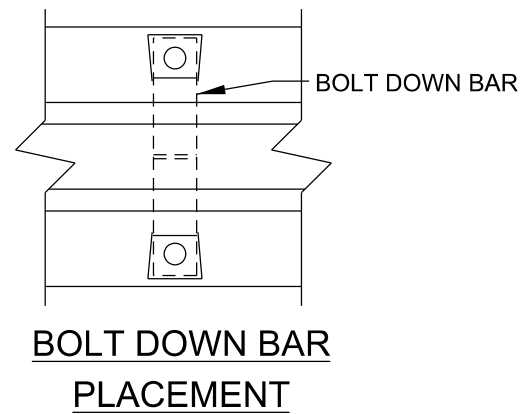
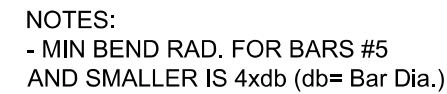
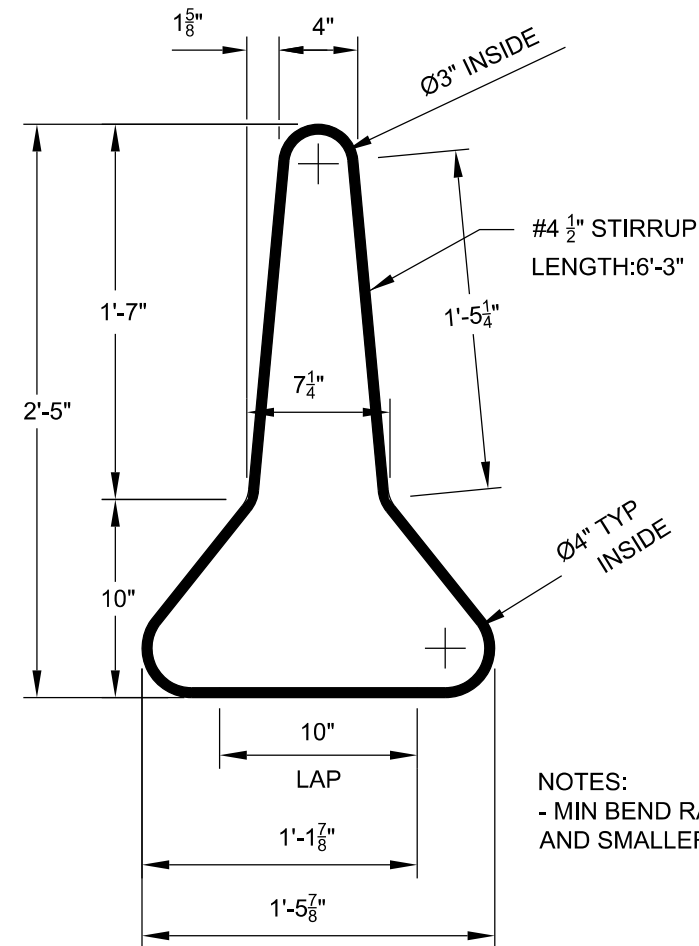
CLASS AA CONCRETE 4000 PSI (34 MPa) MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS.
- REINFORCING:

ASTM A-706 (A-706M) GRADE 60. REBARS WELDED TO STEEL CONNECTOR PLATES. ALL REINFORCING STEEL WILL BE GRADE 60.
- STEEL:

ASTM A-36 (A-36M) (PLAIN/ MILL FINISH).
- MATERIALS LIST
- | |
|-----------------------------------|
| 9 #4 Stirrups Per Barrier |
| 3 Bolt Down Bars Per Barrier |
| 6 U-Bars Per Barrier |
| 4 Deflection Limiters Per Barrier |
| 2 JJ Hooks Assembly Per Barrier |
| 6 #4 Horizontal Bars 11'-8"LG |
| APPROX. CONCRETE CY: 1.22 |
| APPROX. WEIGHT: 4,939 LBS |



THIS DRAWING IS NOT TO SCALE



SPECIFICATIONS:

MATERIALS:

CONCRETE: CLASS AA CONCRETE 4000 PSI (34 MPa)
MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS.

REINFORCING: ASTM A-706 (A-706M) GRADE 60.
REBARS WELDED TO STEEL CONNECTOR PLATES
ALL REINFORCING STEEL WILL BE GRADE 60.

STEEL: ASTM A-36 (A-36M) (PLAIN/ MILL FINISH).

MATERIALS LIST	
9 #4 Stirrups Per Barrier	
3 Bolt Down Bars Per Barrier	
6 U-Bars Per Barrier	
4 Deflection Limiters Per Barrier	(2) LEFT HAND
2 JJ Hooks Assembly Per Barrier	(2) RIGHT HAND
6 #4 Horizontal Bars 11'-8"LG	
APPROX. CONCRETE CY: 1.22	
APPROX. WEIGHT: 4,939 LBS	

REFERENCES			
SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO. 24242 WILLIE E. McCONNELL, JR.			
SIGNATURE			
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS OFFICE 955 PARK STREET ROOM 405 COLUMBIA, SC 29201			
STANDARD DRAWING TEMPORARY CONCRETE BARRIER JERSEY SHAPE REINFORCEMENT PINNED J-J HOOK			
605-206-05			
EFFECTIVE LETTING DATE		JANUARY 2021	

REFERENCES

WORK ZONE TRAFFIC
CONTROL ENGINEER



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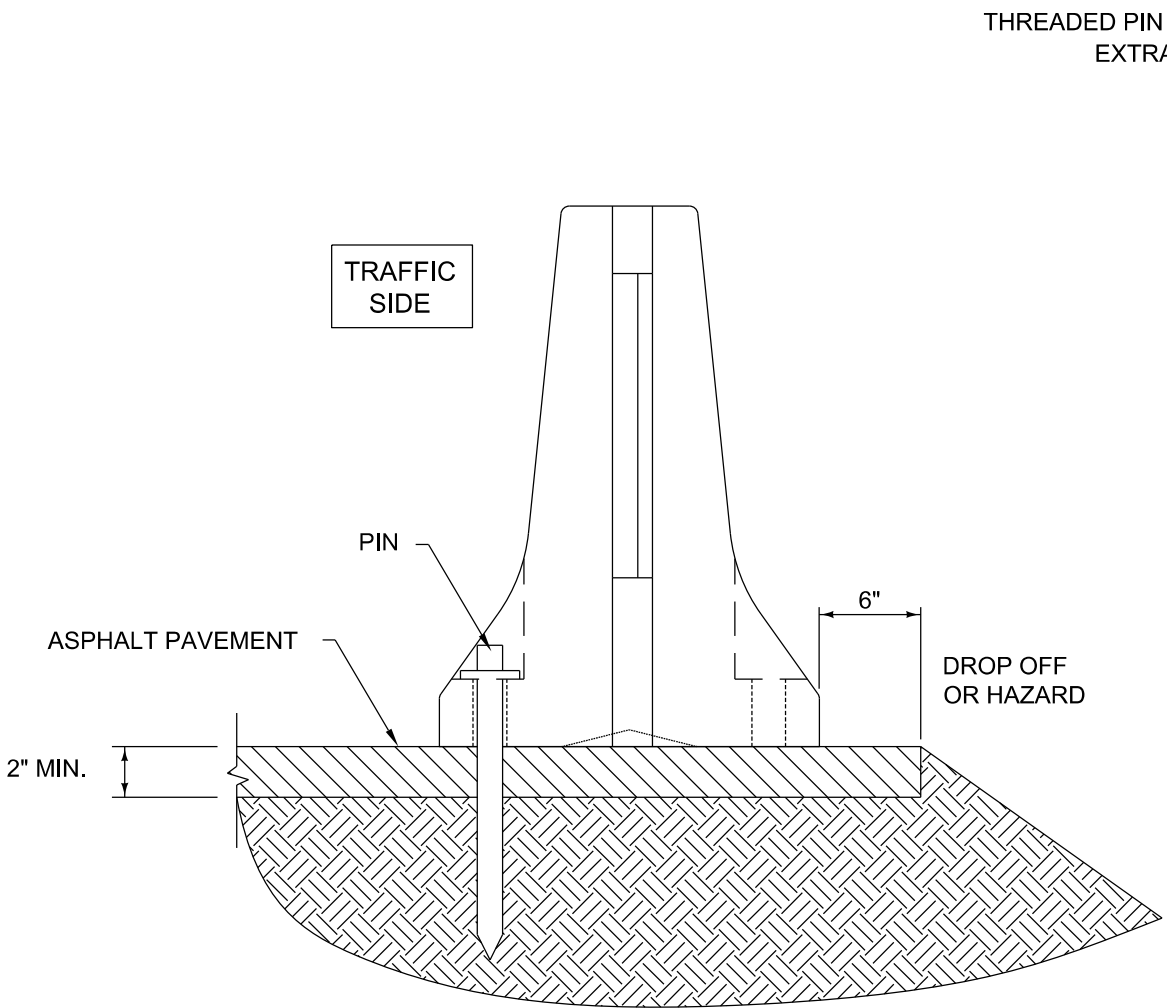
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DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

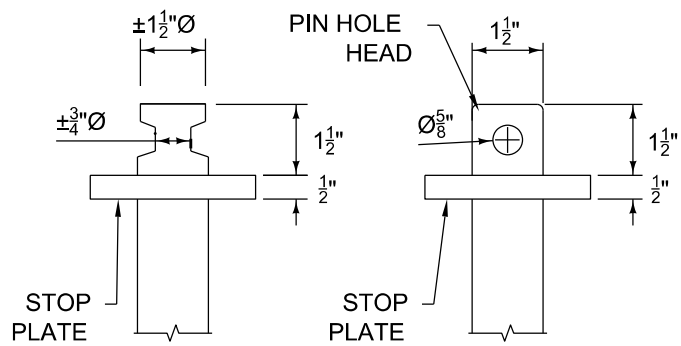
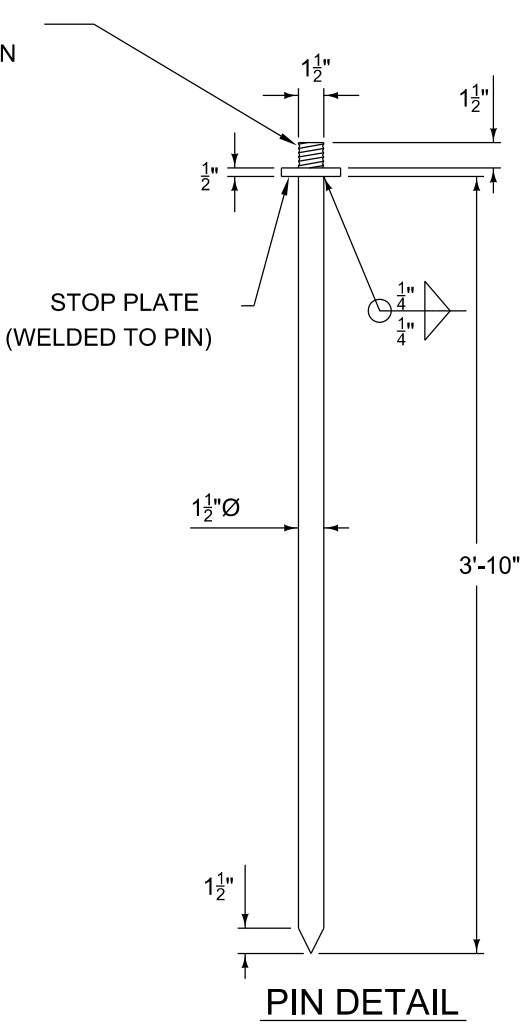
TEMPORARY
CONCRETE BARRIER
JERSEY SHAPE
ANCHORAGE
PINNED
J-J HOOK

605-206-06

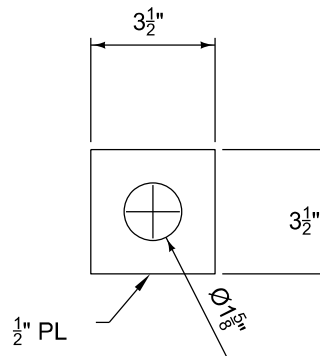
EFFECTIVE LETTING DATE	JANUARY 2021
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TYPICAL SECTION
(INSTALLATION ADJACENT TO DROP-OFF SHOWN, MEDIAN
TRANSITION INSTALLATION SIMILAR)



ALTERNATE PIN DESIGN



STOP PLATE DETAIL

NOTES FOR PINNED DOWN ROADWAY AND TRANSITION INSTALLATIONS:

✱ The minimum installation length of this barrier wall utilizing the pin down method is 200'.

LIMITATION OF USE: This installation technique can be used on Asphalt Pavement as shown.

PINS: Provide steel for Pin assemblies in accordance with ASTM A 36 or ASTM A 709 Grade 36. All welding shall be in accordance with the American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition). Weld metal shall be E60XX or E70XX. Nondestructive testing of welds is not required.

Install (3) Pins on the traffic side of 12' J-J Hook Barrier sections. Install Pins so that the Stop Plate is snug against the bottom of the Anchor Blockout.

REUSE OF STAKES: Stakes may be reused if they do not exhibit any damages or deformation and upon approval from the Engineer.