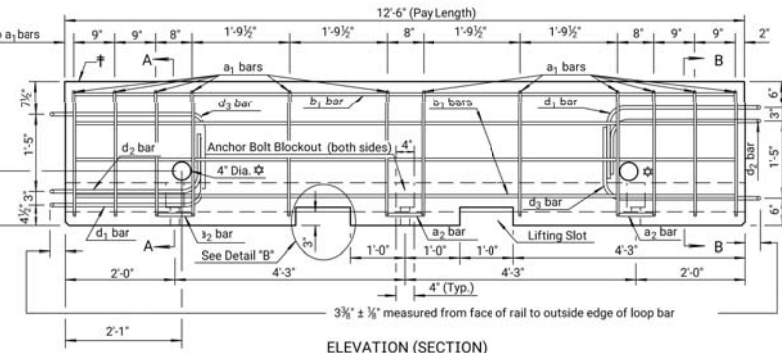
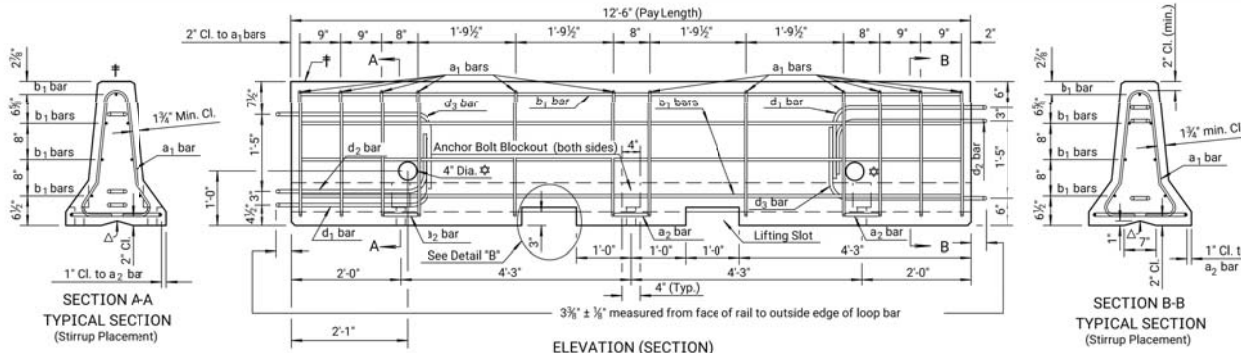
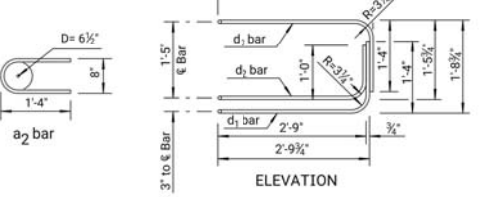
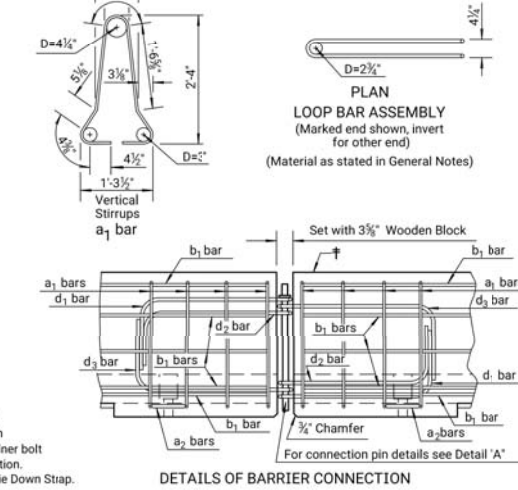
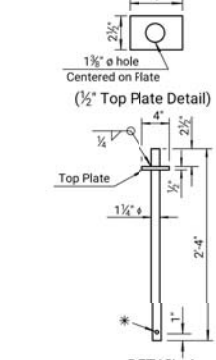
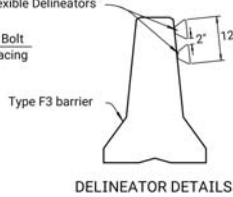
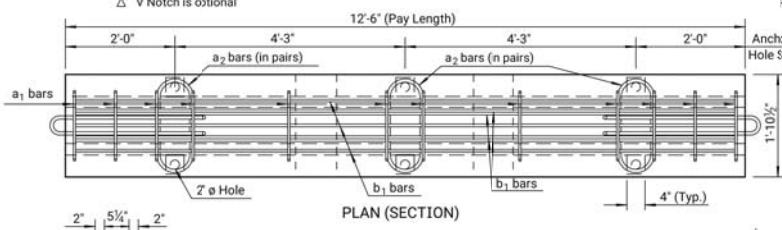
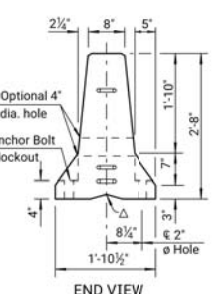


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	468-2019-085422	2019	CU504	19



GENERAL NOTES:
 The loop bars (d_1 , d_2 , and d_3) shall be $\frac{1}{2}$ " smooth steel bars with a minimum yield of 60 ksi, a tensile strength of not less than 1.25 times the yield strength but a minimum of 90 ksi, a minimum 14% elongation in 8 inches, and passing a 180 degree bend test using a 3.5 D pin bend diameter. The loops shall be installed within $\frac{1}{4}$ " of the plan dimensions.
 Use air-entrained concrete with $f'c = 5,000$ p.s.i.
SECTION: The section furnished must generally comply with dimensions shown. Requests for minor variations in section geometry and attachments may be submitted to the Engineer for approval.
LIFTING SLOTS: Lifting slots shall be constructed where specified on the plans to facilitate the drainage of water after installation on the roadway.
TEMPORARY CONCRETE SAFETY BARRIER: Furnishing and placing of all materials when required and all labor and equipment required to position the temporary barrier shall be included in the Contract unit price bid for "Concrete Safety Barrier (Type F3) (Temporary)". Any relocation of the barrier required for the project shall be paid in accordance with the Special Provisions under the bid item "Concrete Safety Barrier (Type F3) (Temporary-Relocate)". Unless otherwise noted on the Plans, the Temporary Concrete Safety Barrier shall become the property of the Contractor and shall be removed from the site upon acceptance of the completed project.
Approximate weight of one unit equals 2.7 tons.
PLACEMENT: Barrier shall be placed on a paved surface. All loose dirt and sand shall be removed from the roadway surface just prior to placement of the barrier.
 After the barrier is placed and the connection pin is inserted, tension or pull the barrier such that the installation is taut and the connection pin cannot freely move vertically. If the connection pin or loop bar assembly are damaged during the tensioning process, it is the responsibility of the Contractor to repair the damaged area or replace the temporary barrier section.
MARKING: The left end (†) of each barrier shall be permanently marked by stamping or forming into the barrier the following information:
 - Type F3
 - Manufacturer code (as specified by KDOT Bureau of Const. & Maint.)
 - Date manufactured (month and year)

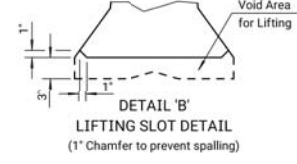


Per 12'-6" Barrier Section

REINFORCING A615 G: 60					
Bar	Bar Size	Shape	No. of Bars	Length Ft.	Weight Lbs.
a ₁	#4	△	12	6'-0"	48.1
a ₂	#6	—	6	2'-11"	26.3
b ₁	#5	—	7	12'-2"	88.8

LOOP ASSEMBLY					
d ₁	#6	—	2	8'-5"	25.3
d ₂	#6	—	2	7'-7"	22.8
d ₃	#6	—	2	8'-6"	25.5

Concrete Quantity = 1.3 C.Y.
 (Dimensions are out to out of bars unless otherwise noted.)



NOTE: At no time shall the barriers be lifted, moved, etc. by use of the loop bars: d_1 , d_2 or d_3 .

NO.	DATE	REVISIONS	BY	APP'D
7	9-11-17	Revised Markers	A.L.B.	S.W.K.
6	7-17-17	Revised General Note	A.L.B.	S.W.K.
5	8-21-16	Added Note: Pay Lengths	K.E.K.	S.W.K.
4	3-17-15	Revised General Note: Clear Area	S.W.K.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION			
TEMPORARY CONCRETE SAFETY BARRIER TYPE F3			
DESIGNED	BY	QUANTITIES	TRACED
CHECKED	BY	QUANTITIES	TRACED

KDOT Graphics Certified 03-16-2018 CU504 OF 19

Revised: 03/16/2018 12:00 PM
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 DWGUSER: J.O.B.
 DWGAPP: S.W.K.
 DWGCHK: K.E.K.
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 DWGCHK: J.O.B.

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