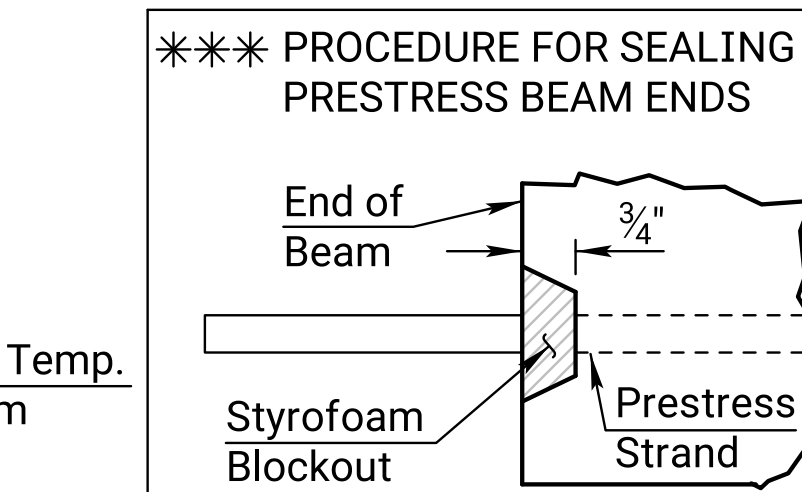
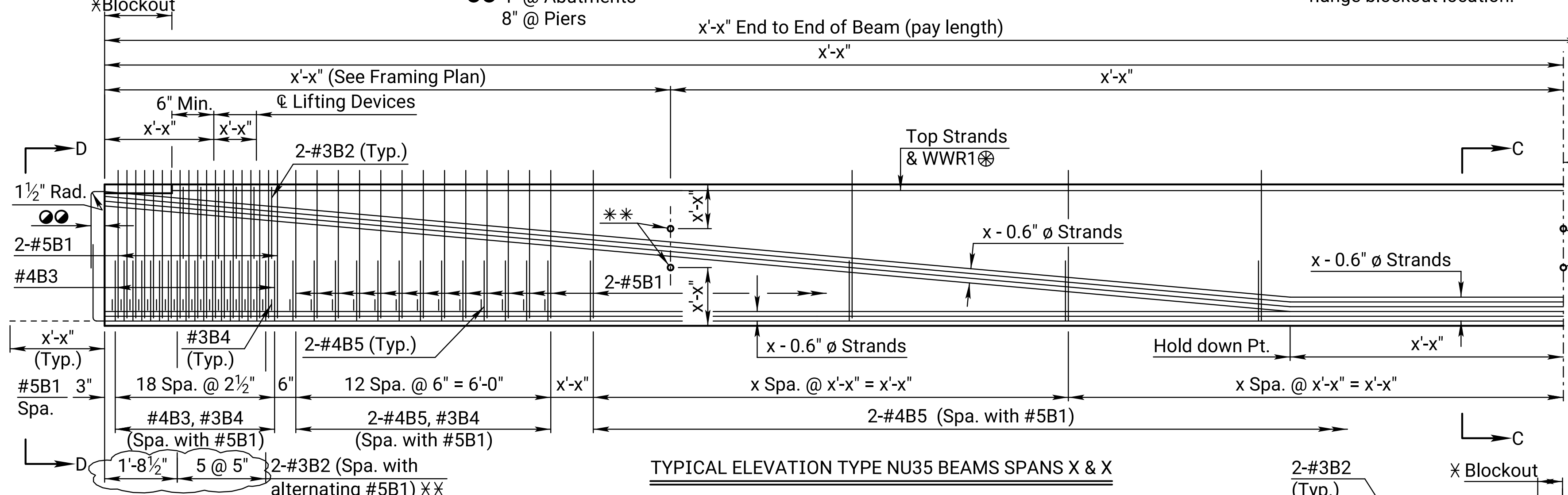
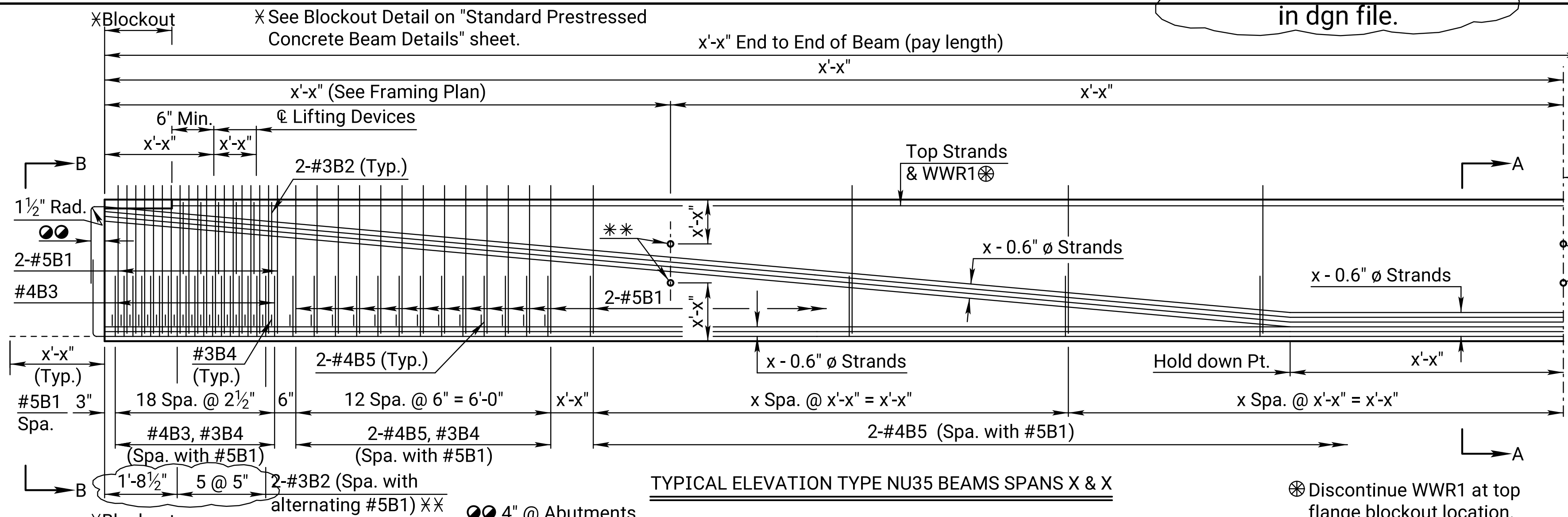


See Designer Notes above
in dgn file.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	0	0	0	0



1. Cut strands 9" from the end of the beam.
 2. Remove Styrofoam blockout.
 3. Cut strands 1/2" deep in blockout with angle grinder.
 4. Clean affected area.
 5. Fill blockout area with approved epoxy grout.
 6. After the grout has cured, according to the manufacturer's recommendation, grind entire face of beam to provide a smooth surface.
 7. After waiting 28 days, clean the entire surface of beam end and apply an approved (epoxy-epoxy) Substructure Waterproofing Membrane.
- *** Only for exposed Prestress Beam ends with all strands removed at expansion joints.

**TEMPORARY DIAPHRAGM SPAN REQUIREMENT	
SPAN	REQUIRED
≤ 80 ft.	1st & 3rd Quarter Points
80 - 120 ft.	All Quarter Points
≥ 120 ft.	Special Design

+ WELDED WIRE REINFORCEMENT EQUIVALENT STEEL As						
Size	3"	6"	9"	12"	15"	18"
#3	0.440	0.220	0.147	0.110	0.088	0.073
#4	0.800	0.400	0.267	0.200	0.160	0.133
#5	1.234	0.617	0.411	0.308	0.247	0.206
#6	1.761	0.880	0.587	0.440	0.352	0.293

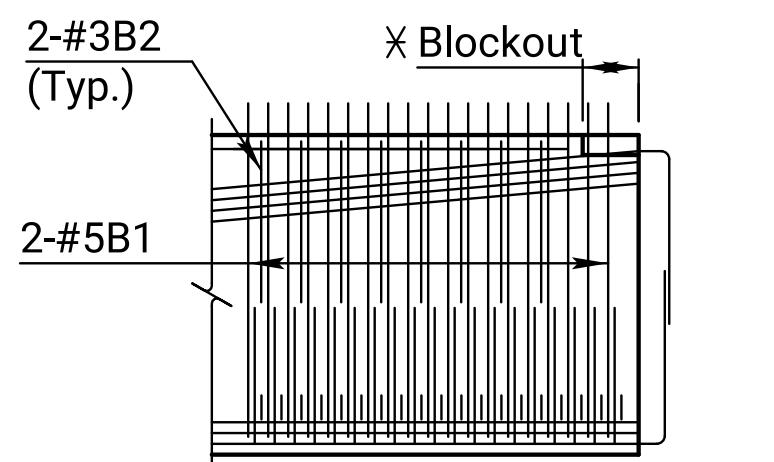
† If Welded Wire Reinforcement (WWR) is used in-lieu of reinforcing steel bars shown on this sheet, the spacing of wires for the WWR shall be equal to or less than the vertical bars shown in the typical beam section above. The equivalent As for the WWR shall be equal to or greater than typical beam section above.

** Spacing of #3B2 bar @ Abutment End.

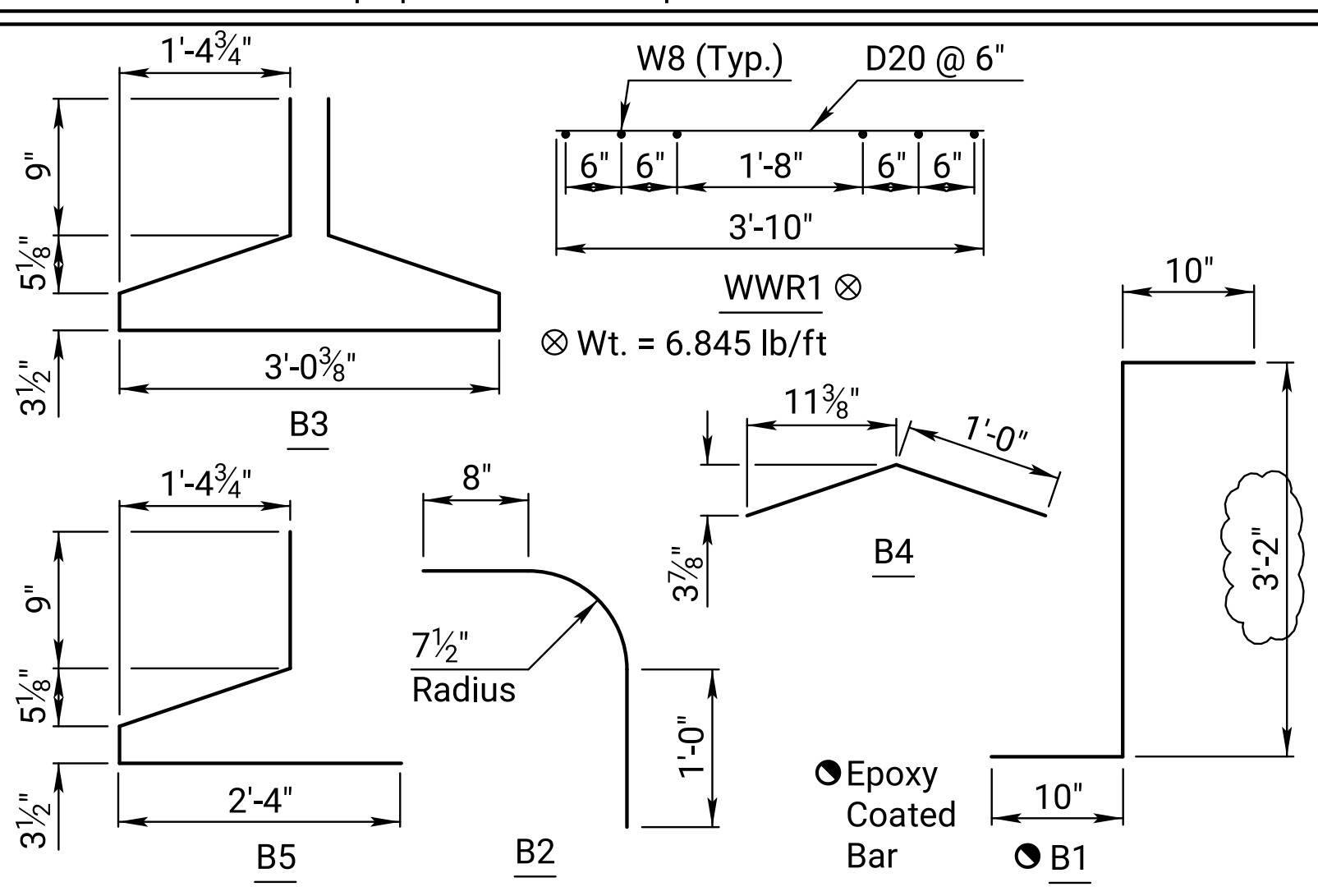
NOTE: Extend x strands x'-x" beyond the end of the beam. Strands not shown shall be cut flush with the end of the beam. See "Strand Extension Details."

NOTE: During transportation and construction only, support beams on bearing points a maximum of x feet from the beam end. The Fabricator shall show the proposed support locations on the shop drawings.

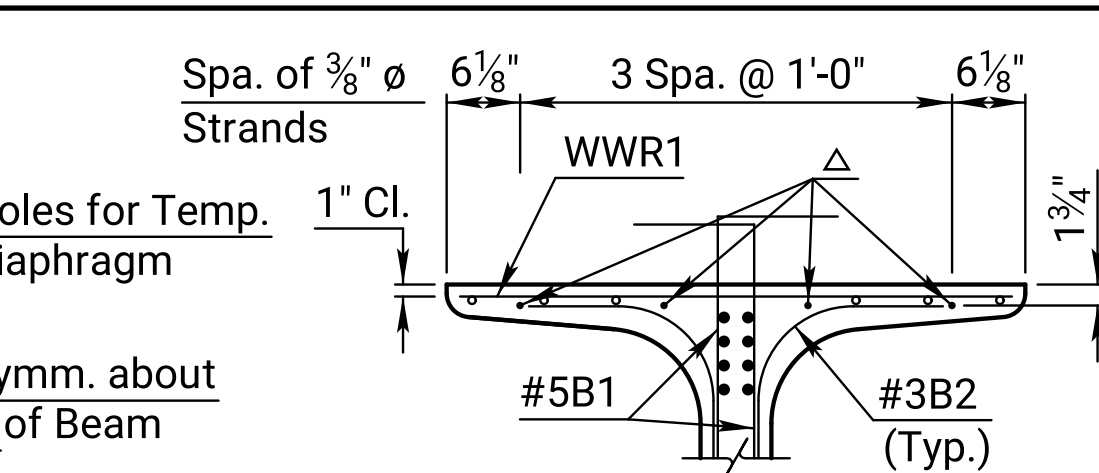
NOTE: The hold down force at the harp points for x strands at xx kips per strand = xx kips total.



BILL OF REINFORCING STEEL							
x'-x" Beam (1 Listed-x Req'd.) (End spans)							
Straight bars				Bent bars			
Mark	No.	Size	Length	Mark	No.	Size	Length
				B2	XX	#3	2'-8"
				B4	XX	#3	2'-0"
				B3	XX	#4	7'-8"
				B5	XX	#4	4'-8"
				⊙B1	XX	#5	4'-10"
x'-x" Beam (1 Listed-x Req'd.) (Interior spans)							
Straight bars				Bent bars			
Mark	No.	Size	Length	Mark	No.	Size	Length
				B2	XX	#3	2'-8"
				B4	XX	#3	2'-0"
				B3	XX	#4	7'-8"
				B5	XX	#4	4'-8"
				⊙B1	XX	#5	4'-10"

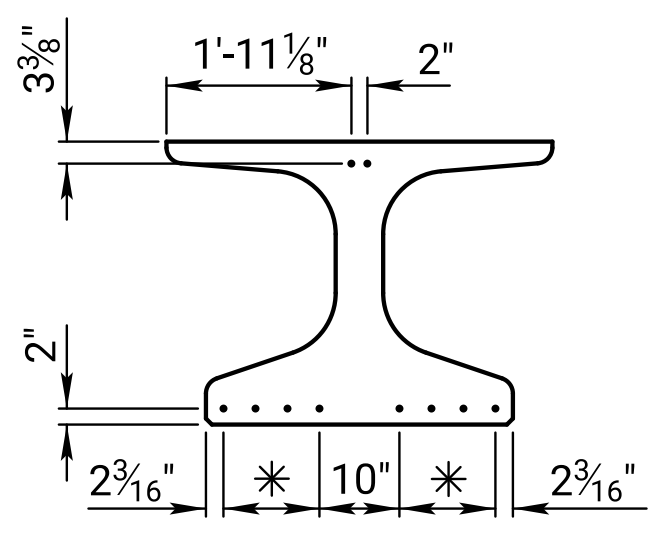
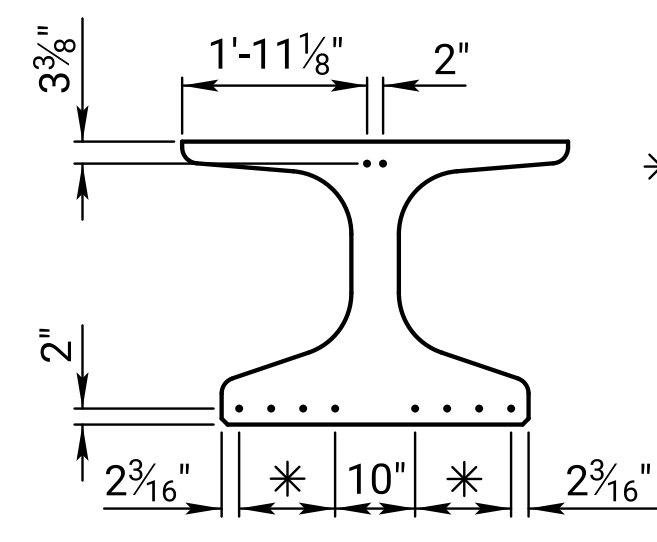
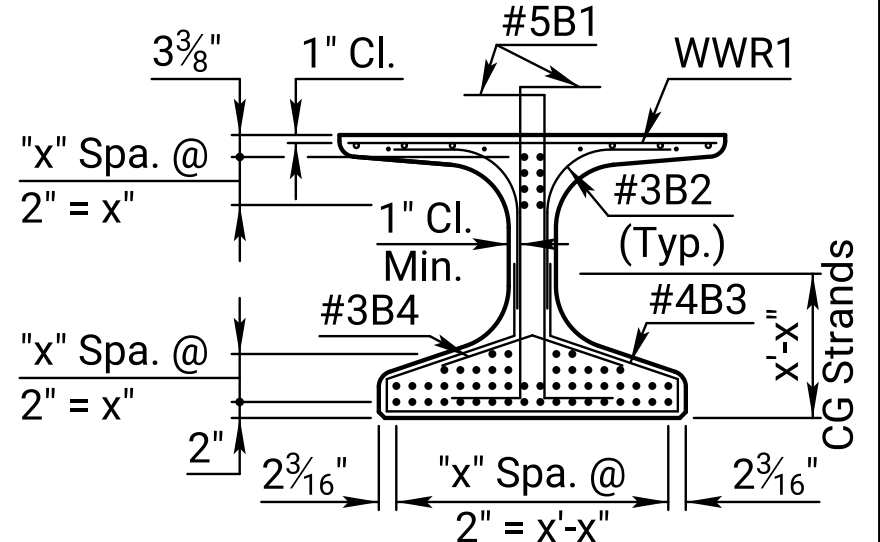
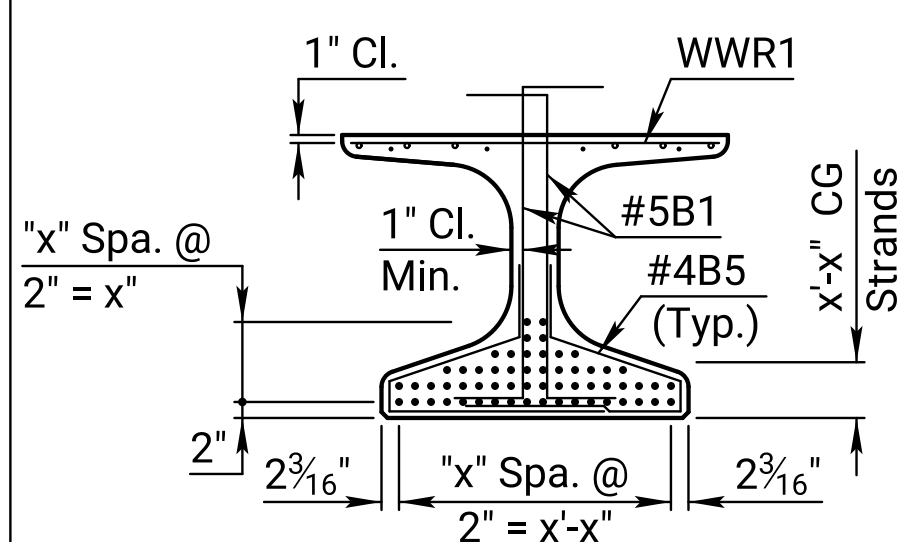
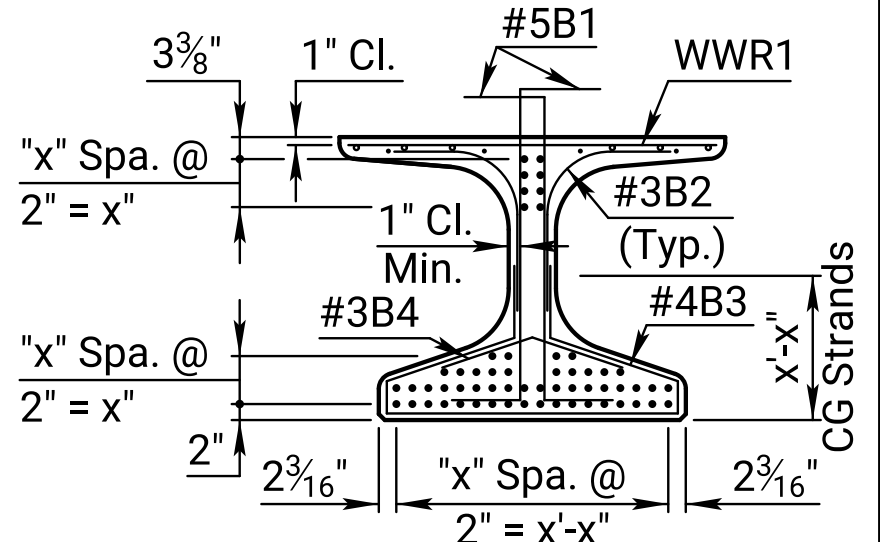
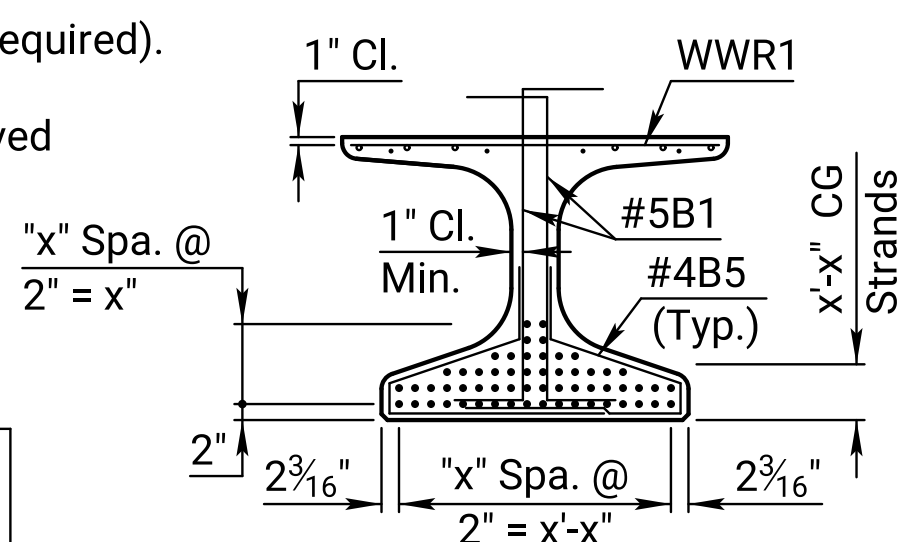


#5B1 adjust for +1" and +2" sections.



△ 3/8" Dia. reinforcement support strands (required). Tension to 2.0 kips/strand and place symmetrical about ⊕ beam. May be moved laterally in pairs to maintain symmetry.

†† Check flange for Overhang Bracket loads where applicable.



★ Use 3/4" ⌀ when field welding will occur, otherwise use 1/2" ⌀.

04	01-27-22	Temporary Diaphragm table update	M.L.L.	M.A.H.
03	03-14-19	Corrected shear bar	M.L.L.	J.P.J.
02	11-15-18	Add WWR to Bill of Material & Wt/ft	M.L.L.	J.P.J.
NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
Br. No.			Sta.	
NU35 BEAM DETAILS				
Proj. 0			Co.	
DESIGNED	DETAILED	M.L.L.	QUANTITIES	CADD
DESIGN CK.	DETAIL CK.	S.G.B.	QUAN. CK.	CADD CK.
DOT Graphics Certified		08-10-2022		Sh. No. 0

X's to be filled in by the designer

#3B2 spacing based on non-skew,
min. dimensions for blockout

Add #4B6 (straight bar) to Bill of
Reinforcing Steel when have a skew.

Plotted by : pwmushock 31-AUG-2022 04:30
File : br350.dgn