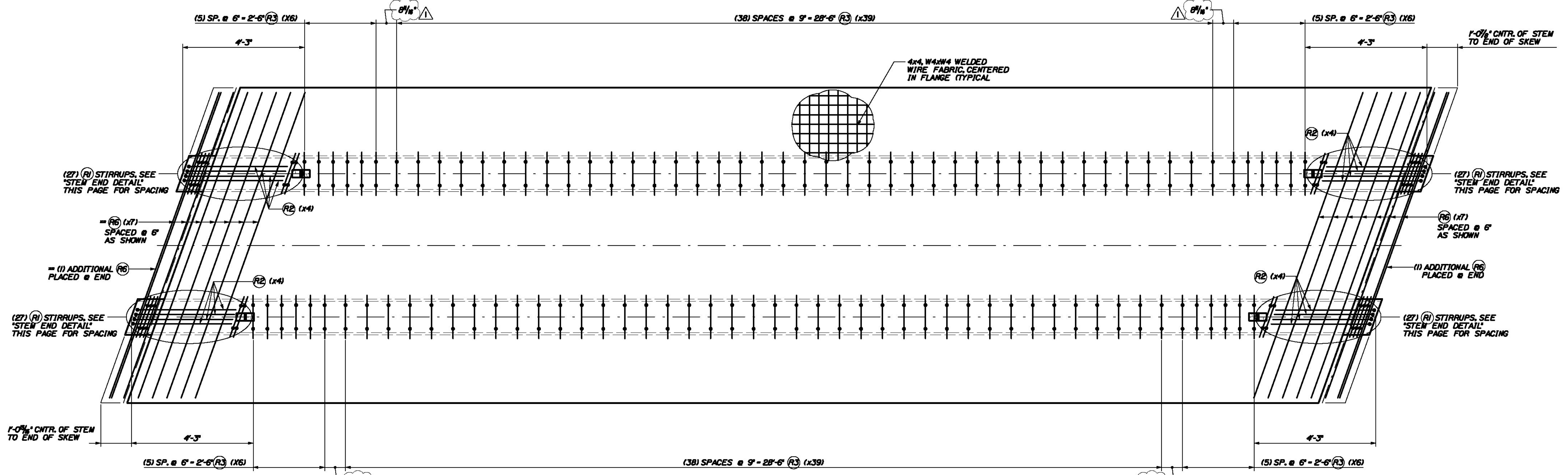


Date: 7/20/2011

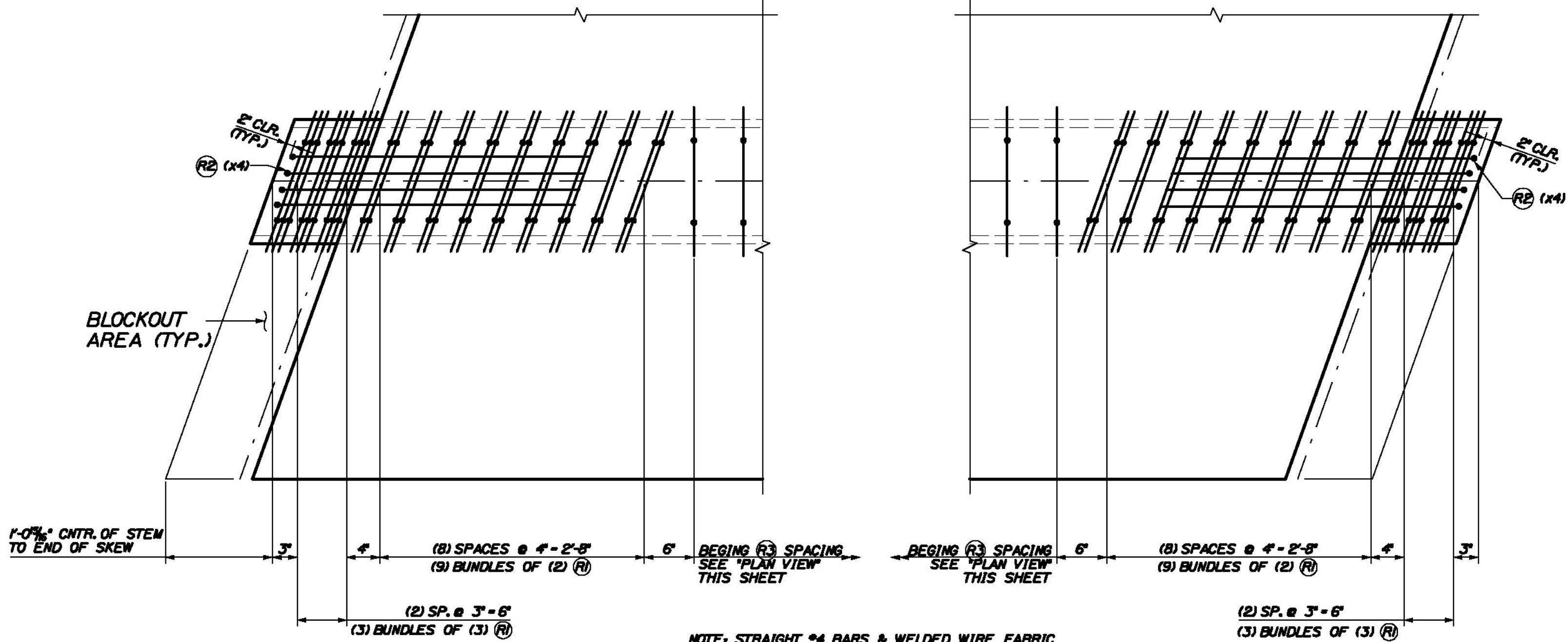
Username: common

Filename: ... \022\_Beam\_C2-NB\_Reinforcement.dwg Structures Division



REINFORCEMENT PLAN VIEW ~ BEAM 'C2-NB'  
SCALE: 1/2" = 1'-0"

MAINTAIN 2" MIN. CLEARANCE FROM ENDS OF BEAM.  
SEE REINFORCEMENT SECTION & END VIEWS (THIS SHEET) FOR ALL DIMENSIONS AND DETAILS NOT SHOWN HERE.  
= FLANGE REINFORCEMENT IN AREA OF FLANGE BLOCK-OUT TO BE PLACED DURING CONSTRUCTION (TYPICAL @ EACH END OF BEAM)

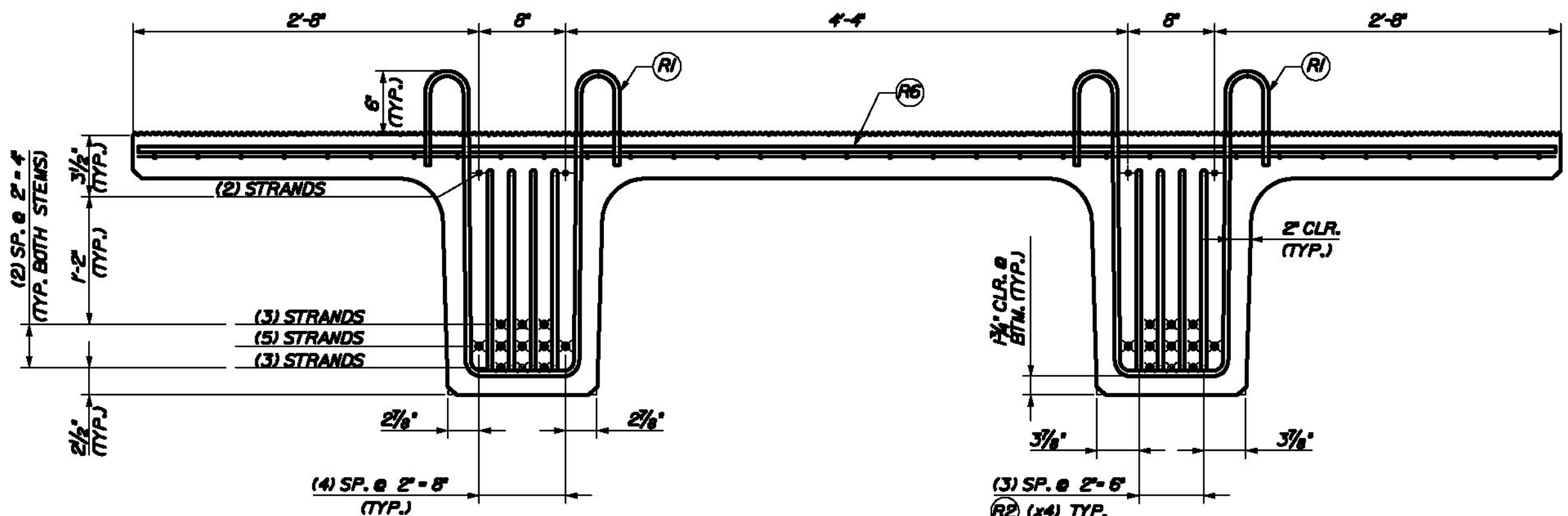


NOTE: STRAIGHT #4 BARS & WELDED WIRE FABRIC NOT SHOWN FOR CLARITY, SEE PLAN VIEW THIS SHEET.

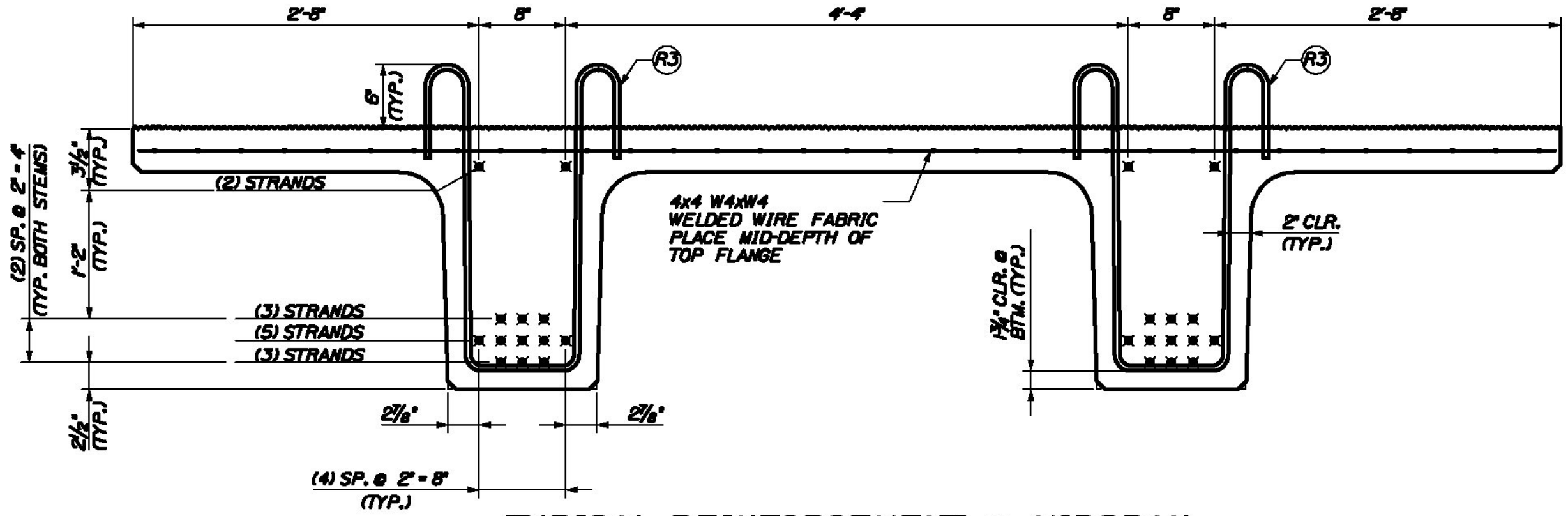
STEM END DETAIL  
SCALE: 1" = 1'-0"

Add notes or diagrams that show required strand projections as shown in the design drawings on sheet 406, note 1

STRAND LEGEND	
	0.6" FULLY TENSIONED STRAND
	0.6" FULLY TENSIONED STRAND (DEBOUND 0.50 FEET)
	0.6" FULLY TENSIONED STRAND (DEBOUND 5.75 FEET)
	0.6" FULLY TENSIONED STRAND (DEBOUND 8.75 FEET)



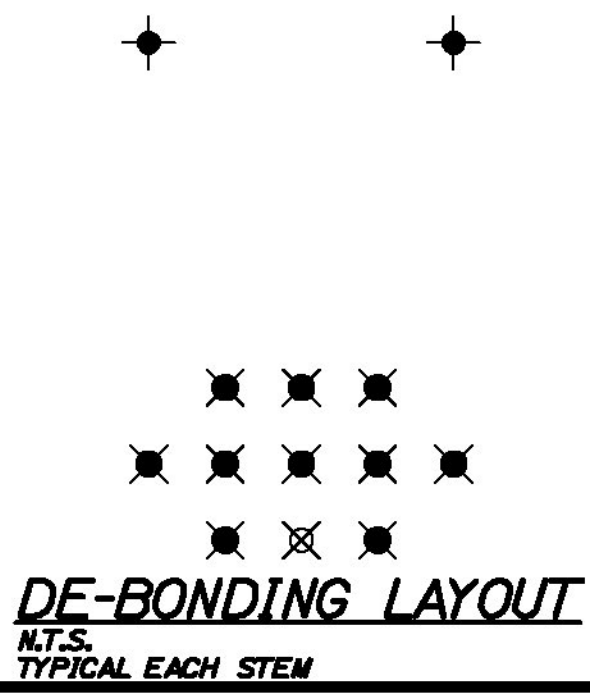
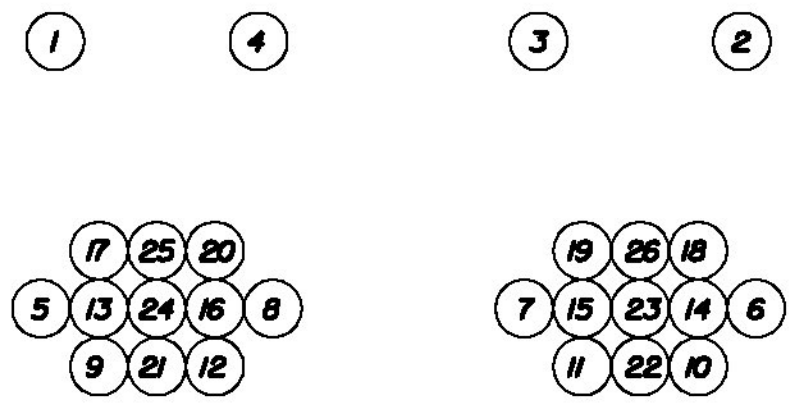
TYPICAL REINFORCEMENT @ END OF BEAM  
SCALE: 1" = 1'-0"



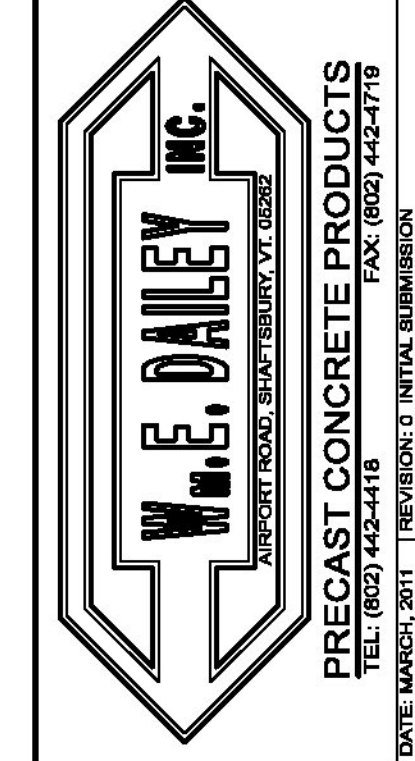
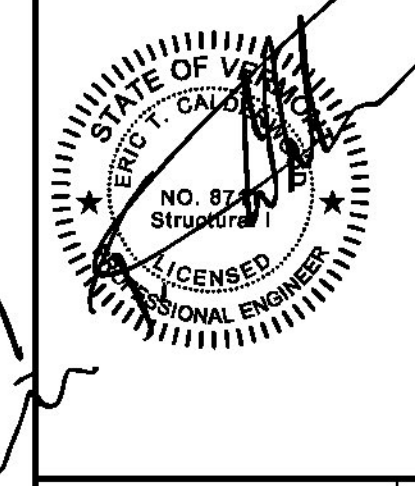
TYPICAL REINFORCEMENT @ MIDSPAN  
SCALE: 1" = 1'-0"

REINFORCING CHART				
ITEM	QTY.	TOTAL	SIZE	TYPE
R1	108	108	4	BENT
R2	16	16	4	BENT
R3	102	102	4	BENT
R6	16	16	4	STRT.
—	460 sf.	460 sf.	4x4	WELDED WIRE FABRIC
BAR SIZE	WT./BEAM		TOTAL WT.	
4	1210		1210	
WWF	390		390	

NOTES:  
BENT BAR LENGTHS SHOWN REPRESENT BAR LENGTHS BEFORE BENDING.  
TENSION LOAD = 43.94 KIPS/ STRAND STRAND: 5 # 270 KSI LOW RELAXATION ASTM A603 REBAR; AASHTO M31, GRADE 60, EPOXY COATED ALL TOLERANCES TO PCI STANDARDS  
(1) 'C2-NB' NEXT BEAM BEAM REQUIRED  
SEE SHEET #21 FOR GEOMETRIC DETAILS  
SEE SHEET #2 FOR BENT REBAR DETAILS



THE PROFESSIONAL ENGINEER'S STAMP WAS PREPARED UNDER THE DIRECT SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER AND COMPLY WITH THE DESIGN AND DETAILS SHOWN ON THE CONTRACT DRAWING UNLESS REQUESTED OTHERWISE.  
CONTRACTOR: BECK & BELLUCCI, INC.  
PROJECT: BRATTLEBORO, VERMONT  
IM 019-1(60)



I-91 BRATTLEBORO, VERMONT  
OVER MAPLE ST.  
BEAM TYPE "C2-NB"  
REINFORCEMENT DETAILS

SHEET NUMBER  
22