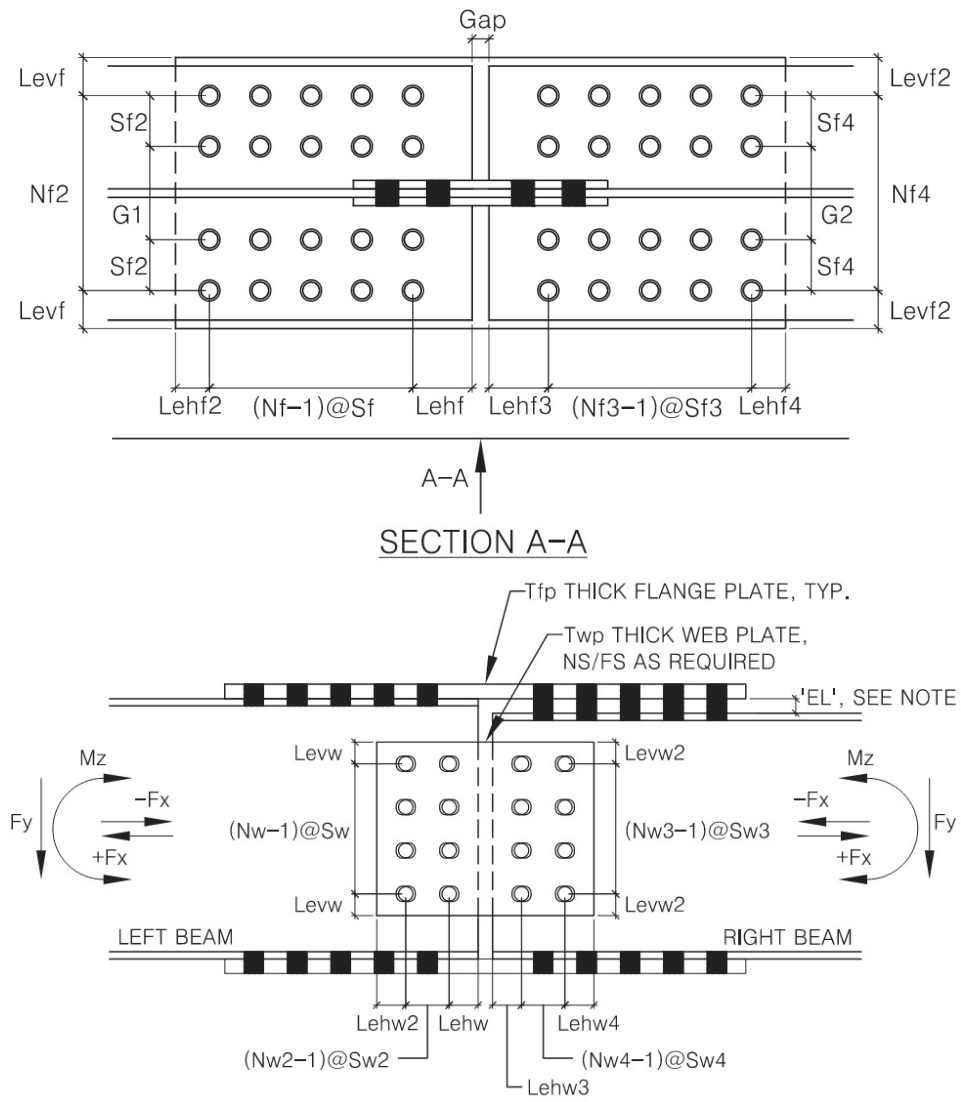


REFERENCES	CALCULATIONS	RESULTS
 CLOUD STRUCTURAL SOFTWARE	Beam Splice Connection Calculations Connection detailing information: Design Code: AISC 360-16 ASD  SECTION A-A NOTE: 'EL' IS THE DIFFERENCE IN ELEVATION BETWEEN BEAMS. NEGATIVE VALUE MEANS RIGHT BEAM HAS A LOWER ELEVATION THAN THE LEFT BEAM. PROVIDE SHIM PLATES AT ALL GAPS BETWEEN BEAM FLANGES AND FLANGE PLATES AS WELL AS BEAM WEBS AND WEB PLATES AS REQUIRED.	

REFERENCES	CALCULATIONS													RESULTS
	Left Beam		Right Beam				Plate Info					Design Loads		
	Shape	Grade	Shape	Grade	Gap	EL	Tfp	Tfp Grade	Twp	Twp Grade	Twp NS/FS?	Fx	Fy	Mz
	W18x50	A992	W18x50	A992	1"	0"	1"	A572 GR.50	1/2"	A572 GR.50	YES	(100,-100)kips	50kips	25kip-ft
	Left Beam Flange Connection Info													
	Bolt Diameter	Bolt Grade	Hole at Beam	Hole at Plate	Nf	Sf	Lehf	Lehf2	Nf2	G1	Sf2	Levf		
	3/4"	A325N	STD	STD	4	3"	2"	2"	2	4"	0"	2"		
	Left Beam Web Connection Info													
	Bolt Diameter	Bolt Grade	Hole at Beam	Hole at Plate	Nw	Sw	Levw	Nw2	Sw2	Lehw	Lehw2			
	3/4"	A325N	STD	STD	4	3"	2"	1	0"	2"	2"			
	Right Beam Flange Connection Info													
	Bolt Diameter	Bolt Grade	Hole at Beam	Hole at Plate	Nf3	Sf3	Lehf3	Lehf4	Nf4	G2	Sf4	Levf2		
	3/4"	A325N	STD	STD	4	3"	2"	2"	2	4"	0"	2"		
	Right Beam Web Connection Info													
	Bolt Diameter	Bolt Grade	Hole at Beam	Hole at Plate	Nw3	Sw3	Levw2	Nw4	Sw4	Lehw3	Lehw4			
	3/4"	A325N	STD	STD	4	3"	2"	1	0"	2"	2"			