fishbeck
Engineers | Architects | Scientists | Constructors

DESIGN:	MT	**DATE:**	3/19/25	**UPDATE:**		**DATE:**	
CHECK:	BSM	**DATE:**	3/20/25	**RECHECK:**		**DATE:**	
STRUCTURE:	MAR-23-16.920			**SFN:**	5101174	**PID:**	123639

7887 Washington Village Drive, Ste 135 • Dayton, Ohio 45459
937-291-9092

ITEM: 513E10201 **PAY UNIT:** LB
SUBJECT: ESTIMATED QUANTITIES
DESCRIPTION: STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN
SUPPLEMENTAL DESCRIPTION:

	SUBTOTAL	TOTAL
Unit W (lb/ft)		
Diagonal Member: L3x3x5/16 W_{diag} = 6.1		
Horizontal Member: L3x3x5/16 W_{hor} = 6.1		
L_{hor} (ft): 8		
L_{vert} (ft): 3		
L_{diag} (ft): 8.54		
X-frame Weight = $2(L_{hor})(W_{hor}) + (L_{diag})(W_{diag})$		
= **0.153** kips / bay		
Number of X Frames = 9		
Total = 1377.332 lb		
	1,378	1,378
SPECIAL INSTRUCTIONS: CHECK UNIT OF MEASURE	**TOTAL**	**1,378**