



COMPLETED BY: Rob Cunningham PROJECT: Quantity Calculations
 CHECKED BY: _____ SHEET #: _____ of _____
 PROJECT NAME: HAM_562_0065 DATE: 5/31/2023 1 1
 PROJECT LOCATION: ODOT District 8 SUBJECT: Quantity Calculations

		SUBTOTAL										TOTAL		
Structural Steel Weight:														
	Interior Bays	Length	No.	Total Length										
	Bottom	8 ft	1 each	8 ft										
	Outer Diagonal	3.5 ft	2 each	7 ft										
	Inner Diagonal	2.5 ft	2 each	5 ft										
			Total	20 ft										
	Gusset Plate Length:	0.167 ft												
	# of Gusset Plates:	2 each												
	Total Weight of Guesset Plates:		163 lb		(gusset length*# gusset plates*490 lb/ft)									
	Angle Weight:	9.72 lb/ft			L4x4x3/8									
	Total Weight per Interior Bay:		358 lb		(Tot. length*angle weight+Tot. gusset weight)									
	# of Bays	16 each												
	Total Weight of Interior Bays:		5724 lb		(Tot. weight of bay*# of bays)							5724 lb		
	Exterior Bays	Length	No.	Total Length										
	Bottom	6 ft	1 each	6 ft										
	Outer Diagonal	2.75 ft	2 each	5.5 ft										
	Inner Diagonal	2 ft	2 each	4 ft										
			Total	15.5 ft										
	Gusset Plate Length:	0.167 ft												
	# of Gusset Plates:	2 each												
	Total Weight of Guesset Plates:		163 lb		(gusset length*# gusset plates*490 lb/ft)									
	Angle Weight:	9.72 lb/ft			(L4x4x3/8)									
	Total Weight per Interior Bay:		314 lb		(Tot. length*angle weight+Tot. gusset weight)									
	# of Bays	4 each												
	Total Weight of Interior Bays:		1256 lb		(Tot. weight of bay*# of bays)							1256 lb	6980 lb	