

SHEET	
JOB NO.	
DATE	

CMU SCHEDULE DESIGN

Ex or Wall n	8" CMU	Rep. Stone	1800 psi
Direction	B	St. Analysis	M/V = 2.00
Lateral Load	14000 lbs.	V	14000 lbs
Lateral Load	14000 lbs.	OTM	140000 ft-lbs
Lateral Load	14000 lbs.	M _{max}	93559 ft-lbs
Length of Wall	14.00 ft	Shear ST	7.4 ft
Uniform Dead Load	4800 psf	Excessively	Excessively
Conc. Dead Load			
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Conc. Dead Load			
Parapet		WT Classification (L/M/H)	M
Total Height of Wall	14.00 ft	WT. of Wall Finish/Ins	
HT Height of Wall	14.00 ft	Top of Wall Finish	
Tension Rebar	F ₁ = 0.00	Shear Rebar	F ₁ = 0.00
CMU Thickness	8" in.	Parapet Grd. Spacing	Y
Wall Grd. Spacing	0.00	Parapet Grd. Spacing	Y
Provide Shear Rebar	NO	Rebar Rebar	F ₁ = 23.8 psi
Check Shear Rebar	NO	Rebar Rebar	F ₁ = 46.6 psi
Select A ₁ (in ²)	0.44	Rebar A ₁ (in ²)	F ₁ = 31.9 ksi
Select A ₂ (in ²)	0.44	Rebar A ₂ (in ²)	F ₁ = 31.9 ksi
Include Comp. Rebar	Y	(Comp. Rebar must be equal to tension rebar)	
Overturn Calculated	0		
O.K. Shear R	0.00	Wall Rebar	75 psi
O.K. Rebar R	0.00	Parapet Rebar	0 psi
O.K. CMU R	0.00	F ₁ = 57 psi	F ₁ = 395 psi
USE > 8" CMU Wall	X	F ₂ = 442 psi	F ₂ = 534 psi

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