

Cranberry Township, PA • Hermitage, PA
 Waynesburg, PA • Mansfield, OH
 St. Clairsville, OH
 724-981-0155

CALCULATION SHEET

 JOB NO. 119634-CW-008 SHEET NO. 1 OF 1
 SUBJECT EST. QTY'S
 CALCULATED BY JLS DATE 6/2021
 CHECKED BY dlh DATE 6/2021
 REVISED BY _____ DATE _____

<u>ITEM 202-PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN</u>						LS
<u>ITEM 513-STRUCTURAL STEEL FOR REHABILITATION</u>						
3/8" PL'S	$(2.4167' \times 1.2917' \times 0.0313')^2 = 0.1954 \text{ FT}^2 \times 490\# = 95.75\#$					
FILL PL'S	$(2.0833' \times 1.2917' \times 0.0313')^2 = 0.1685 \text{ FT}^2 \times 490\# = 82.54\#$					
BOLTS	$(9 \times 5) \div 100 = 0.45 \times 116.7\# = 52.52\#$					
TOTAL = 230.81\# x 2 LOCATIONS = 461.62 = <u>462\#</u>					462 LB	
<u>ITEM 514-SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL</u>						
<u>ITEM 514-FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT</u>						
<u>ITEM 514-FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT</u>						
<u>ITEM 514-FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN</u>						
						LS
<u>ITEM SPECIAL-COMPOSITE FIBER WRAP SYSTEM</u>						
P3 E&W	AVG. PERIMETER = 18.244'					
	$[(18.244' \times 2 \text{ WRAPS}) + 1.0'] 12 \times 2.0' \times 2 \text{ COLUMNS} = 1799.42 \text{ FT}^2$					
PA W	AVG. PERIMETER = 18.18'					
	$[(18.18' \times 2 \text{ WRAPS}) + 1.0'] 11 \times 2.0' = 821.92 \text{ FT}^2$					2622 S.F.
TOTAL = 2621.34 = <u>2622 S.F.</u>						