



DESIGN: JOL DATE: 11/28/22 UPDATE: AEF DATE: 2/20/23
 CHECK: MJM DATE: 12/8/22 RECHECK: _____ DATE: _____
 STRUCTURE: FRA-161-1659B SFN: 2509520 PID: 116322

ITEM: 513E10200 PAY UNIT: LB
 SUBJECT: ESTIMATED QUANTITIES

DESCRIPTION: STRUCTURAL STEEL MEMBERS, LEVEL UF

SUPPLEMENTAL DESCRIPTION: _____

| | | SUBTOTAL | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------|--------------|------------|-------|------------|------|----|------------|------|----|------------|------|----|----------|--------|-----|---------|------------|------|-----|------|-----|------|-----|----------|------------|-----|-----|
| <p>rear abutment:</p> <p>L 4x4x3/8:</p> <table border="1"> <tr><td>wt/ft =</td><td>9.80</td><td>lb/ft</td></tr> <tr><td>length 1 =</td><td>3.60</td><td>ft</td></tr> <tr><td>length 2 =</td><td>4.50</td><td>ft</td></tr> <tr><td>length 3 =</td><td>4.30</td><td>ft</td></tr> <tr><td>weight =</td><td>121.52</td><td>lbs</td></tr> </table> <p>1/2" plates:</p> <table border="1"> <tr><td>ht (ft)</td><td>width (ft)</td></tr> <tr><td>1.75</td><td>1.5</td></tr> <tr><td>1.75</td><td>1.0</td></tr> <tr><td>1.75</td><td>1.5</td></tr> <tr><td>weight =</td><td>142.92 lbs</td></tr> </table> | | wt/ft = | 9.80 | lb/ft | length 1 = | 3.60 | ft | length 2 = | 4.50 | ft | length 3 = | 4.30 | ft | weight = | 121.52 | lbs | ht (ft) | width (ft) | 1.75 | 1.5 | 1.75 | 1.0 | 1.75 | 1.5 | weight = | 142.92 lbs | 264 | 264 |
| wt/ft = | 9.80 | lb/ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| length 1 = | 3.60 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| length 2 = | 4.50 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| length 3 = | 4.30 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| weight = | 121.52 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ht (ft) | width (ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.75 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.75 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.75 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| weight = | 142.92 lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>forward abutment:</p> <p>L 4x4x3/8:</p> <table border="1"> <tr><td>wt/ft =</td><td>9.80</td><td>lb/ft</td></tr> <tr><td>length 1 =</td><td>5.50</td><td>ft</td></tr> <tr><td>length 2 =</td><td>5.00</td><td>ft</td></tr> <tr><td>length 3 =</td><td>4.00</td><td>ft</td></tr> <tr><td>weight =</td><td>142.1</td><td>lbs</td></tr> </table> <p>1/2" plates:</p> <table border="1"> <tr><td>ht (ft)</td><td>width (ft)</td></tr> <tr><td>1.8</td><td>1.5</td></tr> <tr><td>1.8</td><td>1.0</td></tr> <tr><td>1.8</td><td>1.5</td></tr> <tr><td>weight =</td><td>147 lbs</td></tr> </table> | | wt/ft = | 9.80 | lb/ft | length 1 = | 5.50 | ft | length 2 = | 5.00 | ft | length 3 = | 4.00 | ft | weight = | 142.1 | lbs | ht (ft) | width (ft) | 1.8 | 1.5 | 1.8 | 1.0 | 1.8 | 1.5 | weight = | 147 lbs | 289 | 554 |
| wt/ft = | 9.80 | lb/ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| length 1 = | 5.50 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| length 2 = | 5.00 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| length 3 = | 4.00 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| weight = | 142.1 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ht (ft) | width (ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| weight = | 147 lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SPECIAL INSTRUCTIONS: CHECK UNIT OF MEASURE</p> | | TOTAL | 554 | | | | | | | | | | | | | | | | | | | | | | | | | |