

05 42 Cold-Formed Metal Joist Framing

05 42 23 – Cold-Formed Metal Roof Joist Framing

| | | | | Crew | Daily Output | Labor-Hours | Unit | Material | 2022 Bare Costs | | Total | Total Incl O&P |
|------------------------------|---|---|--------|------|--------------|-------------|------|----------|-----------------|-----------|--------|----------------|
| 05 42 23.05 Framing, Bracing | | | | | | | | | Labor | Equipment | | |
| 0010 | FRAMING, BRACING | | | | | | | | | | | |
| 0015 | Made from recycled materials | | | | | | | | | | | |
| 0020 | Continuous bracing, per row | | | | | | | | | | | |
| 0100 | 16 ga. x 1-1/2" channel thru rafters/trusses @ 16" OC | G | 1 Carp | 4.50 | 1.778 | C.L.F. | | 51.50 | 100 | | 151.50 | 206 |
| 0120 | 24" OC | G | | 6 | 1.333 | | | 51.50 | 75 | | 126.50 | 169 |
| 0300 | 2" x 2" angle x 18 ga., rafters/trusses @ 16" OC | G | | 6 | 1.333 | | | 78 | 75 | | 153 | 198 |
| 0320 | 24" OC | G | | 8 | 1 | | | 78 | 56.50 | | 134.50 | 170 |
| 0400 | 16 ga., rafters/trusses @ 16" OC | G | | 4.50 | 1.778 | | | 98 | 100 | | 198 | 257 |
| 0420 | 24" OC | G | | 6.50 | 1.231 | | | 98 | 69.50 | | 167.50 | 211 |

05 42 23.10 Framing, Bridging

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|------|---|---|--------|----|------|-----|--|------|------|--|-------|-------|
| 0010 | FRAMING, BRIDGING | | | | | | | | | | | |
| 0015 | Made from recycled materials | | | | | | | | | | | |
| 0020 | Solid, between rafters w/1-1/4" leg track, per rafter bay | | | | | | | | | | | |
| 1200 | Rafters 16" OC, 18 ga. x 4" deep | G | 1 Carp | 60 | .133 | Ea. | | 1.34 | 7.50 | | 8.84 | 12.60 |
| 1210 | 6" deep | G | | 57 | .140 | | | 1.96 | 7.90 | | 9.86 | 13.90 |
| 1220 | 8" deep | G | | 55 | .145 | | | 2.41 | 8.20 | | 10.61 | 14.85 |
| 1230 | 10" deep | G | | 52 | .154 | | | 3.07 | 8.65 | | 11.72 | 16.30 |
| 1240 | 12" deep | G | | 50 | .160 | | | 3.42 | 9 | | 12.42 | 17.15 |
| 2200 | 24" OC, 18 ga. x 4" deep | G | | 60 | .133 | | | 1.93 | 7.50 | | 9.43 | 13.30 |
| 2210 | 6" deep | G | | 57 | .140 | | | 2.84 | 7.90 | | 10.74 | 14.85 |
| 2220 | 8" deep | G | 1 Carp | 55 | .145 | Ea. | | 3.49 | 8.20 | | 11.69 | 16.05 |
| 2230 | 10" deep | G | | 52 | .154 | | | 4.44 | 8.65 | | 13.09 | 17.80 |
| 2240 | 12" deep | G | | 50 | .160 | | | 4.94 | 9 | | 13.94 | 18.85 |

05 42 23.50 Framing, Parapets

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|------|--|---|--------|-----|------|------|--|------|-------|--|-------|-------|
| 0010 | FRAMING, PARAPETS | | | | | | | | | | | |
| 0015 | Made from recycled materials | | | | | | | | | | | |
| 0100 | 3' high installed on 1st story, 18 ga. x 4" wide studs, 12" OC | G | 2 Carp | 100 | .160 | L.F. | | 4.89 | 9 | | 13.89 | 18.80 |
| 0110 | 16" OC | G | | 150 | .107 | | | 4.17 | 6 | | 10.17 | 13.55 |
| 0120 | 24" OC | G | | 200 | .080 | | | 3.44 | 4.50 | | 7.94 | 10.50 |
| 0200 | 6" wide studs, 12" OC | G | | 100 | .160 | | | 6.60 | 9 | | 15.60 | 20.50 |
| 0210 | 16" OC | G | | 150 | .107 | | | 5.65 | 6 | | 11.65 | 15.20 |
| 0220 | 24" OC | G | | 200 | .080 | | | 4.75 | 4.50 | | 9.25 | 11.90 |
| 1100 | Installed on 2nd story, 18 ga. x 4" wide studs, 12" OC | G | | 95 | .168 | | | 4.89 | 9.50 | | 14.39 | 19.50 |
| 1110 | 16" OC | G | | 145 | .110 | | | 4.17 | 6.20 | | 10.37 | 13.85 |
| 1120 | 24" OC | G | | 190 | .084 | | | 3.44 | 4.74 | | 8.18 | 10.85 |
| 1200 | 6" wide studs, 12" OC | G | | 95 | .168 | | | 6.60 | 9.50 | | 16.10 | 21.50 |
| 1210 | 16" OC | G | | 145 | .110 | | | 5.65 | 6.20 | | 11.85 | 15.50 |
| 1220 | 24" OC | G | | 190 | .084 | | | 4.75 | 4.74 | | 9.49 | 12.25 |
| 2100 | Installed on gable, 18 ga. x 4" wide studs, 12" OC | G | | 85 | .188 | | | 4.89 | 10.60 | | 15.49 | 21 |
| 2110 | 16" OC | G | | 130 | .123 | | | 4.17 | 6.95 | | 11.12 | 14.90 |
| 2120 | 24" OC | G | | 170 | .094 | | | 3.44 | 5.30 | | 8.74 | 11.70 |
| 2200 | 6" wide studs, 12" OC | G | | 85 | .188 | | | 6.60 | 10.60 | | 17.20 | 23 |
| 2210 | 16" OC | G | | 130 | .123 | | | 5.65 | 6.95 | | 12.60 | 16.55 |
| 2220 | 24" OC | G | | 170 | .094 | | | 4.75 | 5.30 | | 10.05 | 13.10 |

05 42 23.60 Framing, Roof Rafters

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|------|--|---|--------|-----|------|------|--|------|------|--|-------|-------|
| 0010 | FRAMING, ROOF RAFTERS | | | | | | | | | | | |
| 0015 | Made from recycled materials | | | | | | | | | | | |
| 0100 | Boxed ridge beam, double, 18 ga. x 6" deep | G | 2 Carp | 160 | .100 | L.F. | | 5.45 | 5.65 | | 11.10 | 14.40 |
| 0110 | 8" deep | G | | 150 | .107 | | | 5.65 | 6 | | 11.65 | 15.15 |
| 0120 | 10" deep | G | | 140 | .114 | | | 7.25 | 6.45 | | 13.70 | 17.55 |
| 0130 | 12" deep | G | | 130 | .123 | | | 7.90 | 6.95 | | 14.85 | 19 |