



BUILDING ENVELOPE & FINISHES

COMMERCIAL & MULTI-FAMILY / EXCEL + MARKED-UP PDF / 48-HOUR TURNAROUND

STRUCTURAL STEEL — QUANTITY TAKEOFF

Dover High School / Career Technical Center — Building Part C, Ground to Roof

PORTFOLIO SAMPLE — prepared from the city's publicly available plan set; not commissioned client work

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Date: July 2026

Method: On-Screen Takeoff (OST); shapes and connections measured from framing plans and schedules

Documents used: 100% Conformed Set 9/12/2016 — Structural Steel Framing Plans S2.0C–S2.3C (Part C, Ground through Roof)

Deliverables: This Excel workbook (Summary, Shape Weights, Base Plates, Gussets, Thru Plates, Joists, Metal Deck, Spec Notes tabs) + marked-up

SCOPE SUMMARY

Fabricated steel — total (columns, beams/HSS, braces, plates)	205.18 t
All-in steel — total (incl. joists, roof angle, deck)	233.74 t
By level — Ground	15.19 t
By level — First Floor	70.15 t
By level — Second Floor	54.02 t
By level — Roof	52.23 t
By level — Brace frames	9.32 t
By member — Columns	35.39 t
By member — Beams / HSS	156.20 t
By member — Braces	9.32 t
Connection / bearing plates (base + gusset + thru)	4.27 t
Joists (SJI approximate)	27.96 t / 5,554 LF
Roof angle L4×4×¼	0.60 t / 181 LF
Metal deck	44,867 SF
Joist bridging	2,204 LF

ASSUMPTIONS & NOTES

1. Fabricated steel tonnage includes columns, beams/HSS members, braces, and connection/bearing plates (base, gusset, thru) — main-member mill weight only, no bolts or waste.
2. All-in steel tonnage adds joists (SJI approximate), roof angle, and metal deck as separate packages not included in the fabricated tonnage.
3. Weights: W-shapes are exact mill weights; HSS and plate per AISC tables; joists are SJI approximate.
4. Quantities reflect Building Part C, all levels — Ground through Roof, plus brace frames.
5. Quantities are net measured; no waste factors added. Apply your own waste and pricing factors.
6. This is a quantity takeoff only. No pricing, cost data, or budget figures are included or implied.

SEE ADDITIONAL TAB(S) BELOW.

Summary

Takeoff

Exclusions

Clarifications