

QUANTUM STEEL DESIGN | PRACTICE DRAWING

Fictional training example - not for fabrication, construction, procurement, or design.

Member arrangement and schedule

QSD-PRACTICE-001 / S101 / REV B / NOT TO SCALE

Schematic strip only: member marks are shown apart, with no structural load path implied.

W18X35 / 21 ft 0 in each



B12 x 4

W12X26 / 12 ft 0 in each



B13 x 2

C8X11.5 / 8 ft 0 in each



M21 x 2

MEMBER SCHEDULE - lengths are exercise inputs, not approved cutting instructions.

Mark	Section	Length each	Quantity	lb/ft	Total lb
B12	W18X35	21 ft 0 in	4	35	2940
B13	W12X26	12 ft 0 in	2	26	624
M21	C8X11.5	8 ft 0 in	2	11.5	184

8 pieces | 124 ft total member length | 3,748 lb nominal member weight

Excludes connections, plates, bolts, coatings, waste, packaging, and other allowances.

REV B: B12 schedule length changed from 20 ft to 21 ft. Review related detail D1.

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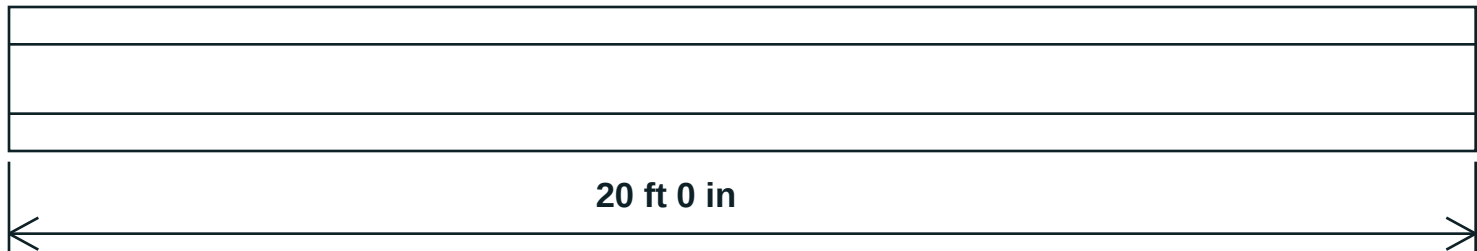
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Member sketch and review notes

QSD-PRACTICE-001 / S201 / REV B / NOT TO SCALE

D1 / B12 MEMBER READING SKETCH

Section: W18X35 | Quantity: 4 | End connections and hole patterns intentionally omitted.



Schematic view; use the written dimension. Do not measure this sheet for a cut length.

REVIEW NOTES

1. Read the issue and revision on each sheet before comparing values.
2. Match B12 between the schedule on S101 and this detail D1.
3. Do not assume the most recent sheet makes every related value consistent.
4. Record discrepancies and keep affected material on hold pending coordinated clarification.
5. No member capacity, connection, weld, bolt, material grade, or release approval is specified.

REV B TRAINING QUESTION: Does detail D1 agree with the revised S101 schedule?