FS

Flow State Estimating

Sample takeoff from a synthetic test set

November 17, 2026

AIR DEVICE AND EQUIPMENT TAKEOFF REPORT

Sample: synthetic 2-sheet mechanical set

Prepared November 17, 2026

Document status: DRAFT: 1 red row(s) have no reviewer quantity
Total 13 includes unreviewed rows; 10 comes from green and reviewed rows only. Not for pricing until the red rows are reviewed.

Input: flowstate-sample-drawings.pdf · engine 32471f0+modified · analysed 2026-11-17T10:29:32-05:00
SHA-256 b2ba4ebeb89af5f75a32f2a25893a781ec39dd3f294785e1281b8bfd89970c59

10 outlets · 1 terminal · 2 units across 6 lines

10	1	2	3	2	1
Outlets & inlets	Terminal units	Equipment units	Green lines	Yellow lines	Red lines

Read before bidding

M201: mentions an air device or equipment schedule but no table could be read (no ruling lines, or scanned). Check it by hand.

Summary by category

Category	Spec section (Div 15)	Counted as	Lines	Quantity
Supply outlets	23 37 13 (15850)	per callout	1	**6**
Return inlets	23 37 13 (15850)	per callout	1	**3**
Exhaust inlets	23 37 13 (15850)	per callout	1	**1**
Terminal units	23 36 00 (15840)	per callout	1	**1**
AHUs & rooftop units	23 73 00 / 23 74 00 (15720)	per unit	1	**1**
Fans	23 34 00 (15830)	per unit	1	**1**
Total			6	**13**

Takeoff

Status	Tag	Description	Sched.	Plans	Final	Sheets	Notes
Supply outlets							**6 outlets**
Green	**SD-1**	Supplydiffuser600X600	6	6	**6**	M201, M501	Schedule and plan count agree

Status	Tag	Description	Sched.	Plans	Final	Sheets	Notes
Return inlets							**3 outlets**
Green	**RG-1**	Returngrille	3	3	**3**	M201, M501	Schedule and plan count agree
Exhaust inlets							**1 outlet**
Yellow	**EG-1**	Exhaustgrille	2	1	**1**	M201, M501	Schedule 2 vs plan 1, within tolerance. Spot check M201, M501; 1 TYP. callouts with no count, so plan total may be low
Terminal units							**1 terminal**
Red	**VAV-2-04**		–	1	**1**	M201	On plans but not on any schedule: addendum, other trade, or misread tag
AHUs & rooftop units							**1 unit**
Yellow	**RTU-1**	Rooftopunit	–	0	**1**	M501	Scheduled and referenced in drawing notes; final qty 1 differs from plan count 0
Fans							**1 unit**
Green	**EF-1**	Washroomexhaustfan	–	1	**1**	M201, M501	Schedule 1, plans 1: agree
	Total				**13**		

Scope flags

Severity	Flag	Sheet	Context from the drawings
Red	**Addendum referenced**	M201	… RTU-1. EXISTING DUCTWORK AND DIFFUSERS TO REMAIN. REFER TO ADDENDUM NO. 2. NOTE 0 COORDINATE NOTE 1 COORDINATE NOTE 2 COORDINATE NOTE…
Red	**Equipment replacement**	M201	…75 SD-1 75 SD-1 75 RG-1 (2) RG-1 EG-1 TYP. VAV-2-04 EF-1 1. REPLACE EXISTING ROOFTOP UNIT RTU-1. EXISTING DUCTWORK AND DIFFUSERS TO REMAIN. REFER TO ADDE…
Yellow	**Existing distribution to remain**	M201	…75 SD-1 75 RG-1 (2) RG-1 EG-1 TYP. VAV-2-04 EF-1 1. REPLACE EXISTING ROOFTOP UNIT RTU-1. EXISTING DUCTWORK AND DIFFUSERS TO REMAIN. REFER TO ADDENDUM NO. 2. NOTE 0 COORDINATE NOTE 1 COORDINA…

Sheets read

Page	Sheet	Mechanical	Plan	Air schedule	Readable text
1	**M501**	Yes	–	Yes	Yes
2	**M201**	Yes	Yes	Yes	Yes

How to read this report

Green: the schedule quantity and the tags counted on the plans agree. Yellow: close, spot check the listed sheets. Red: review before bidding. Final quantity is the reviewer's figure where one was entered, otherwise the plan count. Every count is read directly from the drawing text and is traceable to a sheet. Symbol-only devices and scanned sheets are not counted.