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TAKEOFF DEMONSTRATION — HOW TO REVIEW THIS SAMPLE IN FIVE STEPS

Kauri Sue Hamilton School — Interior Remodel · Public bid set 26KP10 · Jordan School District, Riverton, Utah · Division 09 — quantities only, no pricing

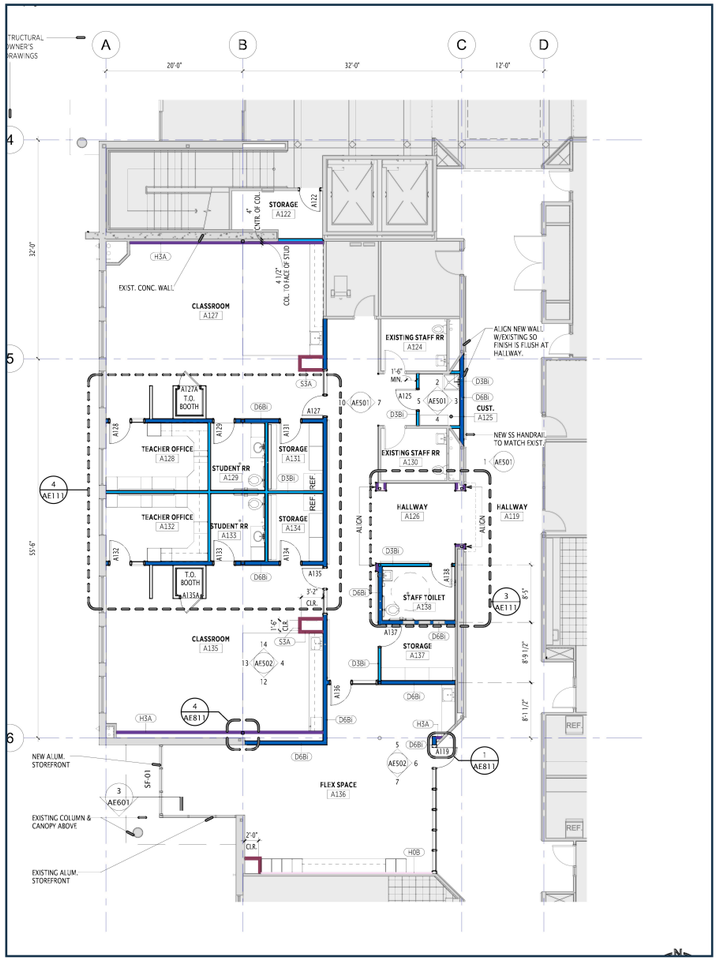
PLANS RECEIVED

Public bid set 26KP10, complete as issued:
• 50-sheet construction set and 794-page project manual
• Addendum No. 1 and Addendum No. 2 — governing sheet AE111 is the Addendum No. 2 reissue
• Sheets used: AE111 (plan & wall schedule), AE601 (doors), AE801 / AE811 (details), AE121 (finishes)
• Division 09 specs read before measuring: 092216 · 092116.23 · 092900 · 093033 · 095113
• The set was certified against five acceptance conditions before any measuring: complete set, real commercial project, written dimensions, wall schedule with assemblies, details sufficient to count without guessing.

HOW THE WALLS WERE CLASSIFIED

• The AE111 schedule lists six assemblies but only five tags — one row is unlabeled on the sheet. It was flagged as an open question, never guessed (Step 5).
• Every run was read by its plan tag and the sheet's own type color: 28 runs, each listed in a count register with its length source.
• Written dimension chains govern. Runs without their own chain come from the drawing's vector geometry, anchored to and closure-checked against the written grid chains.
• Everything was measured twice and reconciled run by run.
• Door cross-check closes: 16 doors on AE601 = 11 counted in new partitions + 5 excluded with stated reasons (3 in existing walls, 2 wood T.O. booth doors).
• Gauge and spacing are written in the set — 20 ga min., 16" OC (Spec 092216) — so no house default was needed.

MARKED-UP PLAN



Floor Plan – Level One (AE111), one color per wall type, totals in the legend. Full-size version: kauri-marked-plan.pdf.

RESULTING QUANTITIES — ORDER QUANTITIES

D6Bi **190.97 LF · 8 doors**
studs 193 pcs (20 packs) · cripples 26 · track 34 reg / 26 defl · 6" batt 3,072.2 SF

D3Bi **110.02 LF · 3 doors**
studs 121 pcs (13 packs) · cripples 10 · track 20 reg / 17 defl

S3A **21.49 LF by face rows**
studs 35 pcs (4 packs) · track 16 pcs (2 packs) · board 451.3 SF

H3A **56.93 LF**
studs 40 pcs 12 ft + 20 pcs 10 ft · track 16 pcs (2 packs) · board 587.6 SF, one side

H0B **24.95 LF**
hat channel 29 pcs (342.4 LF — splice cut layout proven) · board 364.9 SF, one side

GYPSUM & INSULATION — PURCHASE BY PRODUCT

Total wall surface 10,207.7 SF → 5/8" Type X 4×12: 204 sheets · glass-mat tile backer 4×8: 31 sheets · cement backer 4×8: 12 sheets · moisture-resistant Type X 4×12: 2 sheets · 3-1/2" sound batt: 21 bags (85 SF/bag declared)

GYPSUM CEILINGS C1 — 490.5 SF

Restrooms A129 / A133 / A138 and Corridor A126 — 1/2" Type X board: 12 sheets · furring channel 41 pcs · carrying channel 9 pcs · hanger wire 36 pcs · perimeter angle 19 pcs

CONSUMABLES — DECLARED YIELDS, ON 10,698 SF OF BOARD

Screws: 8,559 counted → 7 boxes of 5 lb · joint tape: 3,958 LF → 16 rolls · joint compound: 24 buckets of 4.5 gal

Full detail: the companion workbook lists every line — material × wall type × floor — with net, waste and order quantities in purchase units. Waste is always its own visible line.

ASSUMPTIONS & OPEN QUESTIONS — DECLARED, NEVER GUESSED

• Underside of deck 14'-7½" is a DERIVED dimension (Addendum No. 2, Note 13: 15'-0" floor-to-floor less 4½" deck) and is labeled derived wherever it is used.
• Openings are NOT deducted from board or batt (plan Note 2: the wall type continues at openings). Waste is a separate line: 5% framing, 10% board & insulation; tracks and channels convert to exact pieces per run.
• Cripple studs: 3 per opening, per Spec 092216 §3.4.D.2. No opening exceeds 4 ft, so no box headers are counted.
• Field validation by a working framer changed exactly one number: H3A column-wrap track 14 → 16 pcs (track is cut per leg; the column is the fabrication unit). The H0B channel order (29 pcs) was re-based on a proven splice layout.
• OPEN — RFI #1: unlabeled schedule row; 96.4 SF of batt on the 6.59 LF Storage A122 run held OUT of totals. RFI #2: S3A chases vs. the Spec 092116.23 shaftwall system — alternate held out (11 shaftliner panels + system framing).
• HELD OUT & DECLARED: AE801 Detail 10 head bracing (not assigned door by door), Details 6 & 9 soffits (no lengths on plan), Type A1 acoustic ceilings.