WHY BUILD ON RPS

NEARLY HALF THE SCHEDULE. NO SURPRISES ON COST.

An RPS VBox slab is an above grade, void formed reinforced raft that spans problem soil. The site work is the same. The engineered building pad goes away, and with it the biggest unknown in your budget and about two weeks on your critical path.

SCHEDULE · FOUNDATION TO SLAB

4 WKS

RPS, vs. 7½ wks traditional

3½ weeks back · pad step removed

ALL IN INSTALLED COST

$18 /SF

RPS, fixed, vs. $18 to 21/SF traditional

At or below the traditional range

INSTALLED COST, ALL IN

	TRADITIONAL	RPS
Engineered building pad	Required	**ELIMINATED**
Total / SF	**$18 to 21**	**$18**
At 20,000 SF	$360K to 420K	$360K

The spread on the traditional side is the engineered building pad. Its cost cannot be priced until the soil is characterized. With RPS the pad is gone, so the number is fixed.

Rebar or post tension. Same VBox system.

SCHEDULE BREAKDOWN, WEEKS

STEP	TRADITIONAL	RPS
Mass grading	1	1
Building pad	2	**None**
Rough in	1	1
Foundations	1	1
Slab + cure	2½	1
Total	**7½ wks**	**4 wks**
Time saved		**3½ wks**

THE DIFFERENCE IS THE PAD.

On problem soil, the traditional 2 to 4 ft engineered select fill pad is the cost you can't price until the soil is characterized, plus a two week step on the critical path. An RPS VBox raft spans the soil instead. Same site work, no engineered pad: a fixed budget and a shorter schedule.

Illustrative comparison for a representative 20,000 SF building, based on RPS field cost & schedule modeling. Figures are all in installed $/SF and weeks; actual cost and schedule vary by project, region, soil conditions, and design. Not component or per unit pricing. Foundation designed by the project Engineer of Record to applicable code.

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