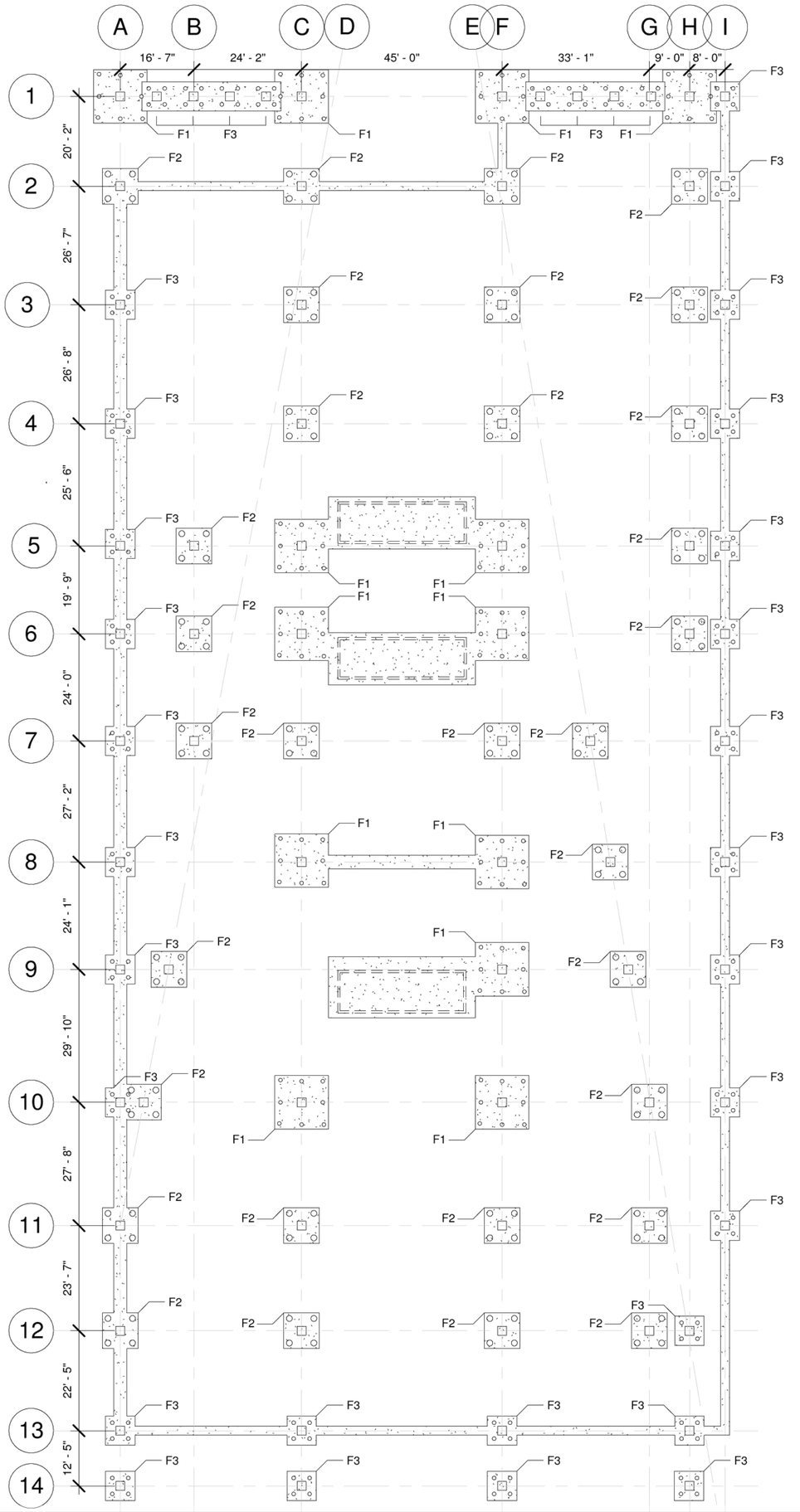
Foundation Narrative

Soil conditions along the Anacostia River are highly saturated with water. With the water table 4 ft. below grade, it is necessary to support the Boeing DC office building with friction piles. This high water table is also the reason the main electrical and mechanical rooms are located on the second floor instead of a basement. In addition to the piles, 42" frost walls line the perimeter of the building.

Column & Foundation Schedule

Member	Description (Column)	Member	Description (Foundation)
C1	24" x 24" sq. column	F1	12' x 12' w/ 8 12" square piles
		F2	8' x 8' w/ 4 16" square piles
		F3	6' 7" x 6' 7" w/ 4 12" square piles

Note* 24" x 24" columns were chosen throughout to accomodate the 24" wide girders



Scale: 1/20"=1'

0 5 10 20 40

Foundation Plan

CLARKESPOSITO ARCHITECTURE

Consultants

Structural Engineer
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Mechanical Engineer
Matthew Setzekorn

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Client

BOEING

Key Plan

Date: 4/10/2011
Drwn by: Travis Clarke
Chkd by: Harker
Sheet Title:
Foundation Plan

S-101