Upper setback a_1 = 0.50 ft
Lower setback a_2 = 0.50 ft
Height h = 1.00 ft
Width b = 6.00 ft

Material
Soil creating foundation - Sand and Gravel - Foundation Soil

Basic soil parameters

No.	Name	Pattern	φ_{ef} [°]	c_{ef} [psf]	γ [pcf]	γ_{su} [pcf]	δ [°]
1	Lean Clay		29.00	25.0	120.00	58.50	19.00
2	Granular Backfill		39.00	0.0	135.00	72.50	28.00
3	Sand and Gravel - Foundation Soil		30.00	0.0	130.00	67.50	20.00

All soils are considered as cohesionless for at rest pressure analysis.

Soil parameters

Lean Clay
Unit weight : γ = 120.0 pcf
Stress-state : effective
Angle of internal friction : φ_{ef} = 29.00 °
Cohesion of soil : c_{ef} = 25.0 psf
Angle of friction struc.-soil : δ = 19.00 °
Saturated unit weight : γ_{sat} = 121.0 pcf

Granular Backfill
Unit weight : γ = 135.0 pcf
Stress-state : effective
Angle of internal friction : φ_{ef} = 39.00 °
Cohesion of soil : c_{ef} = 0.0 psf
Angle of friction struc.-soil : δ = 28.00 °
Saturated unit weight : γ_{sat} = 135.0 pcf

Sand and Gravel - Foundation Soil
Unit weight : γ = 130.0 pcf
Stress-state : effective
Angle of internal friction : φ_{ef} = 30.00 °
Cohesion of soil : c_{ef} = 0.0 psf
Angle of friction struc.-soil : δ = 20.00 °
Saturated unit weight : γ_{sat} = 130.0 pcf

Backfill

Backfill is not considered.

Geological profile and assigned soils

No.	Thickness of layer t [ft]	Depth z [ft]	Assigned soil	Pattern
1	-	0.00 .. ∞	Lean Clay	