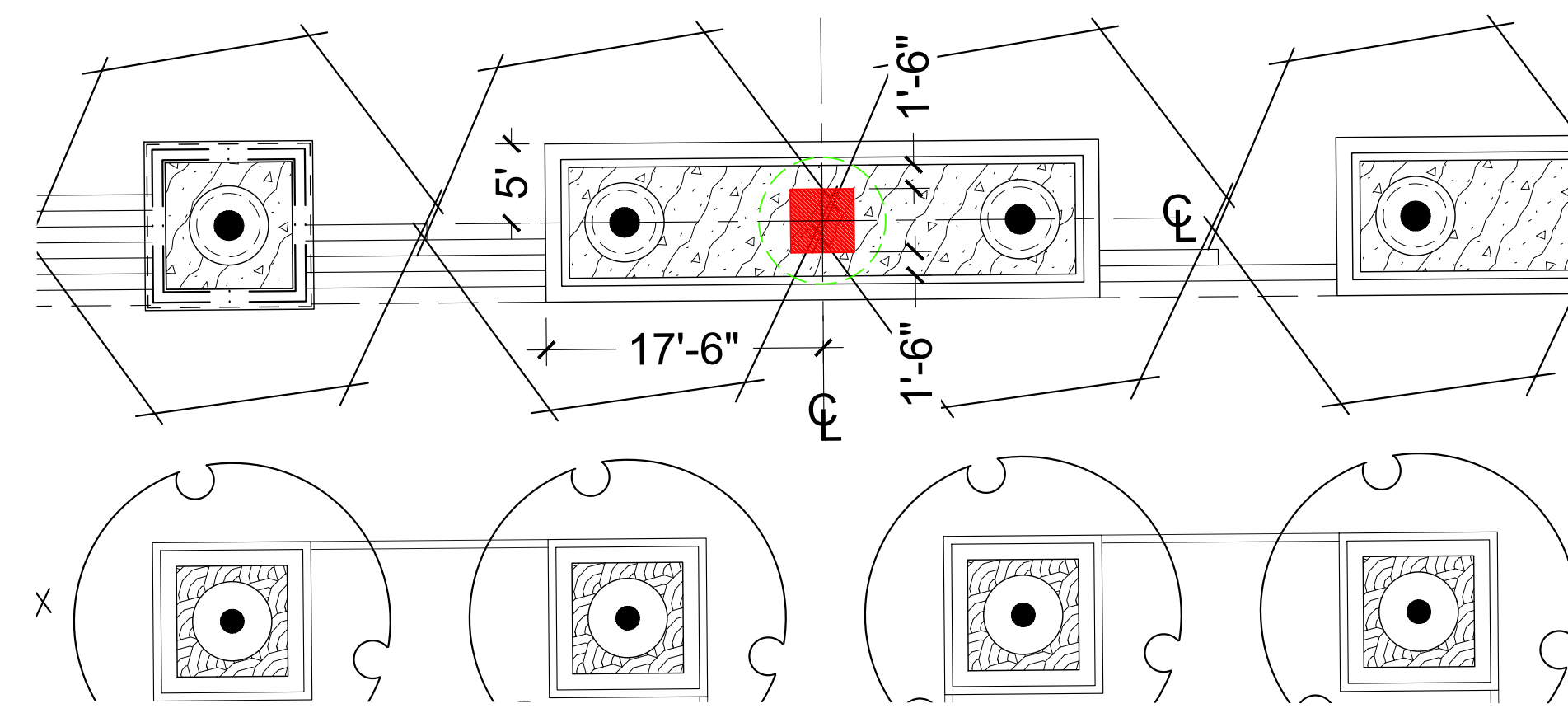
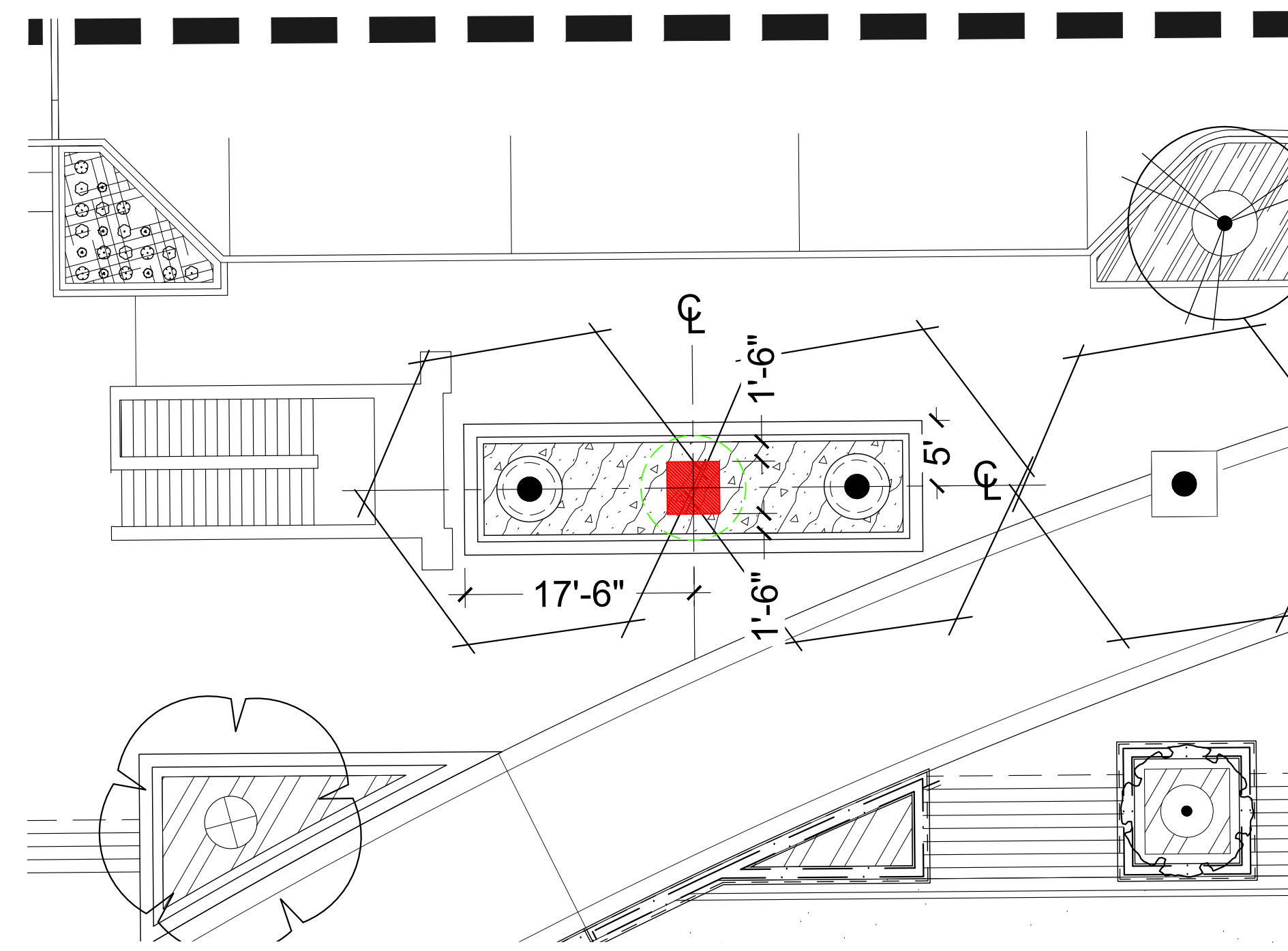


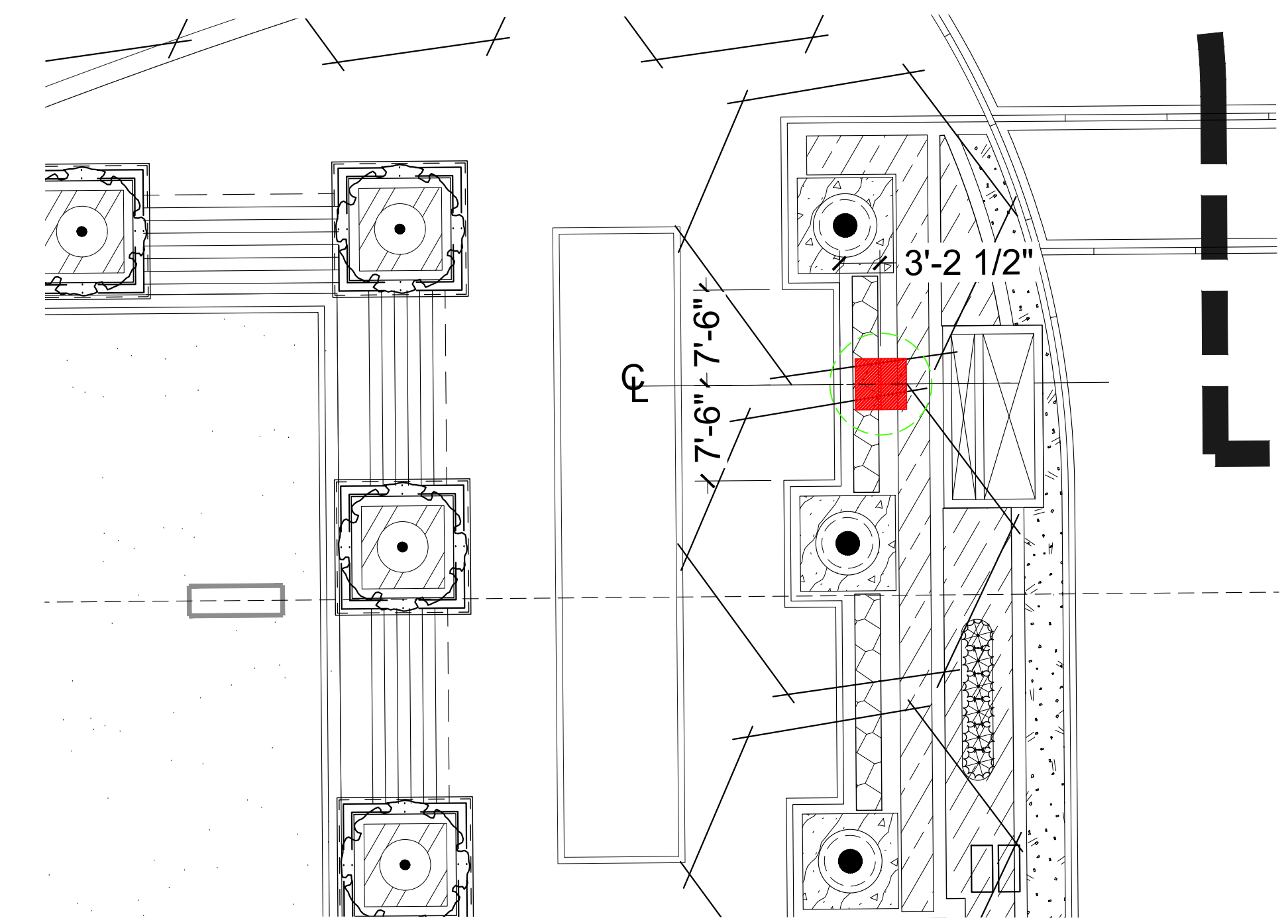
GALAMBOS WAY



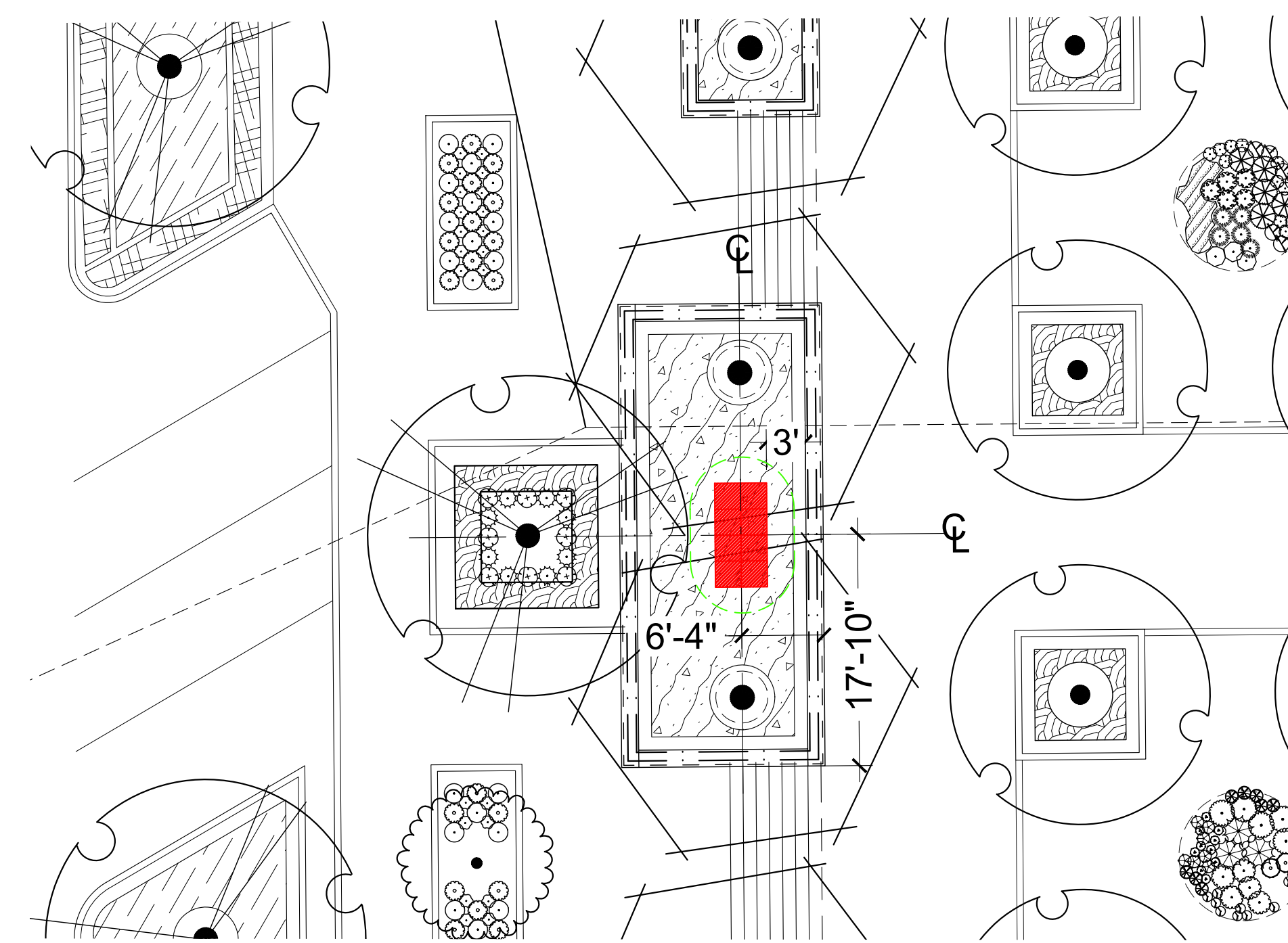
ART BASE - 1 SCALE: 1" = 10'



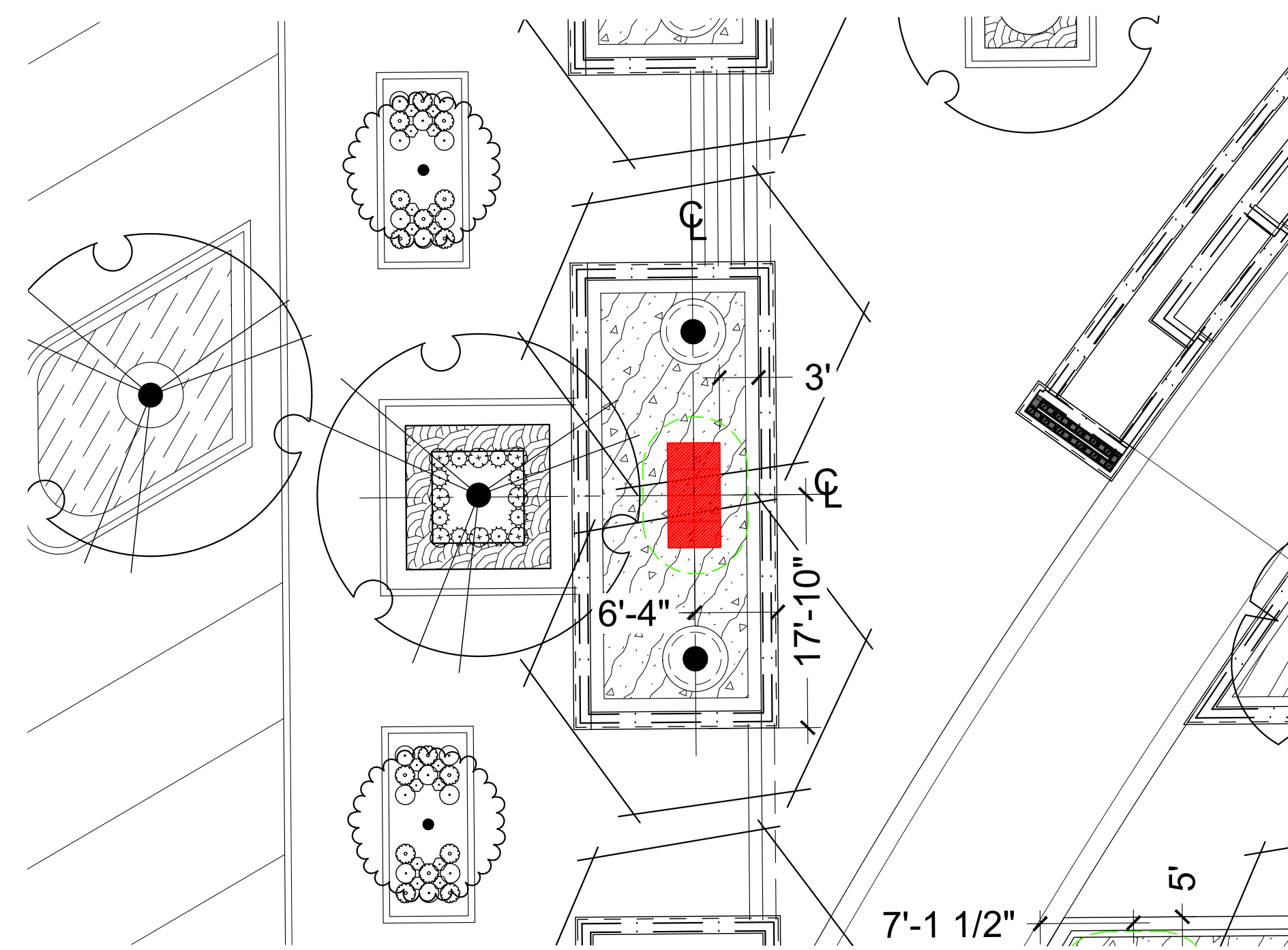
ART BASE - 2 SCALE: 1" = 10'



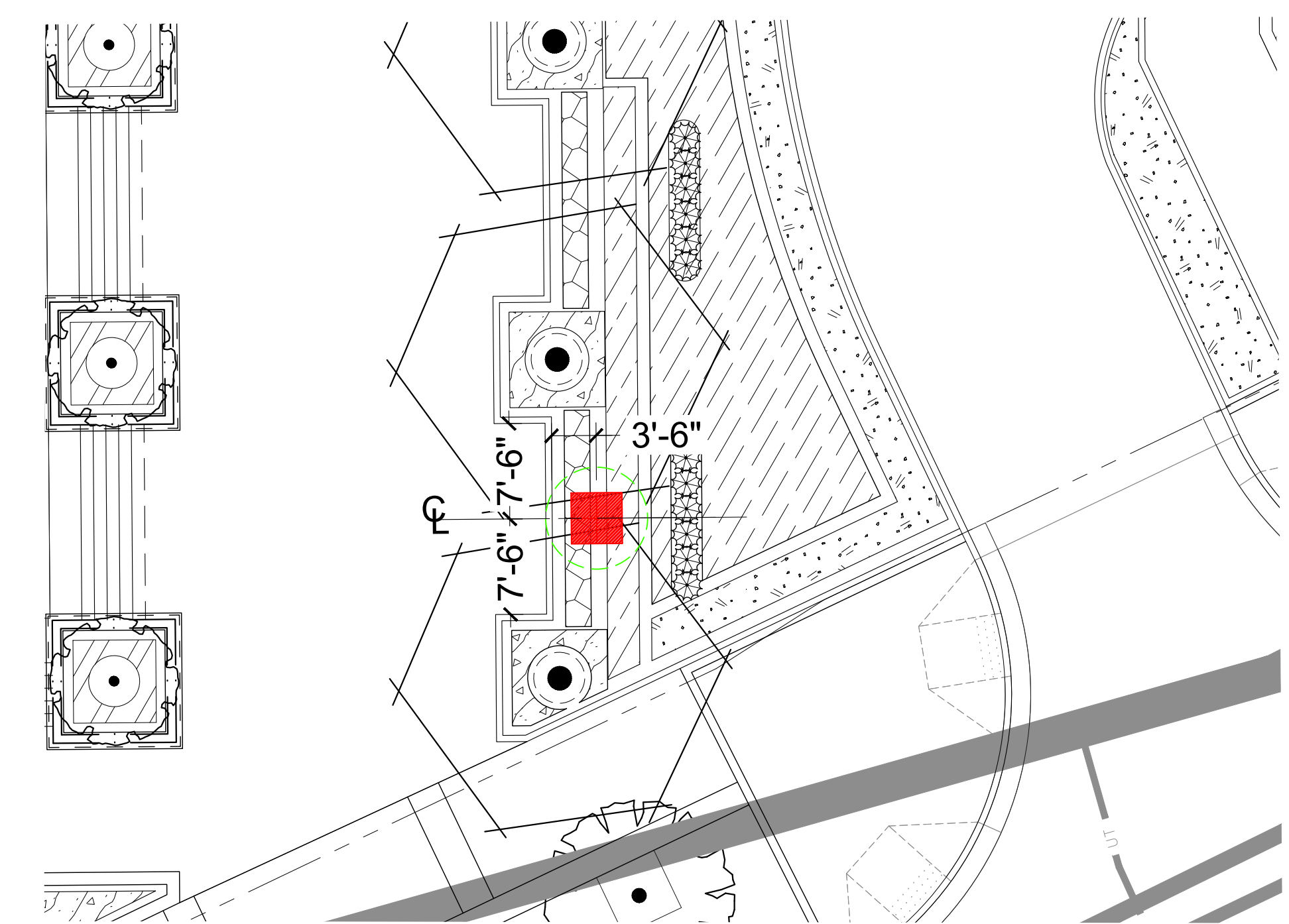
ART BASE - 3 SCALE: 1" = 10'



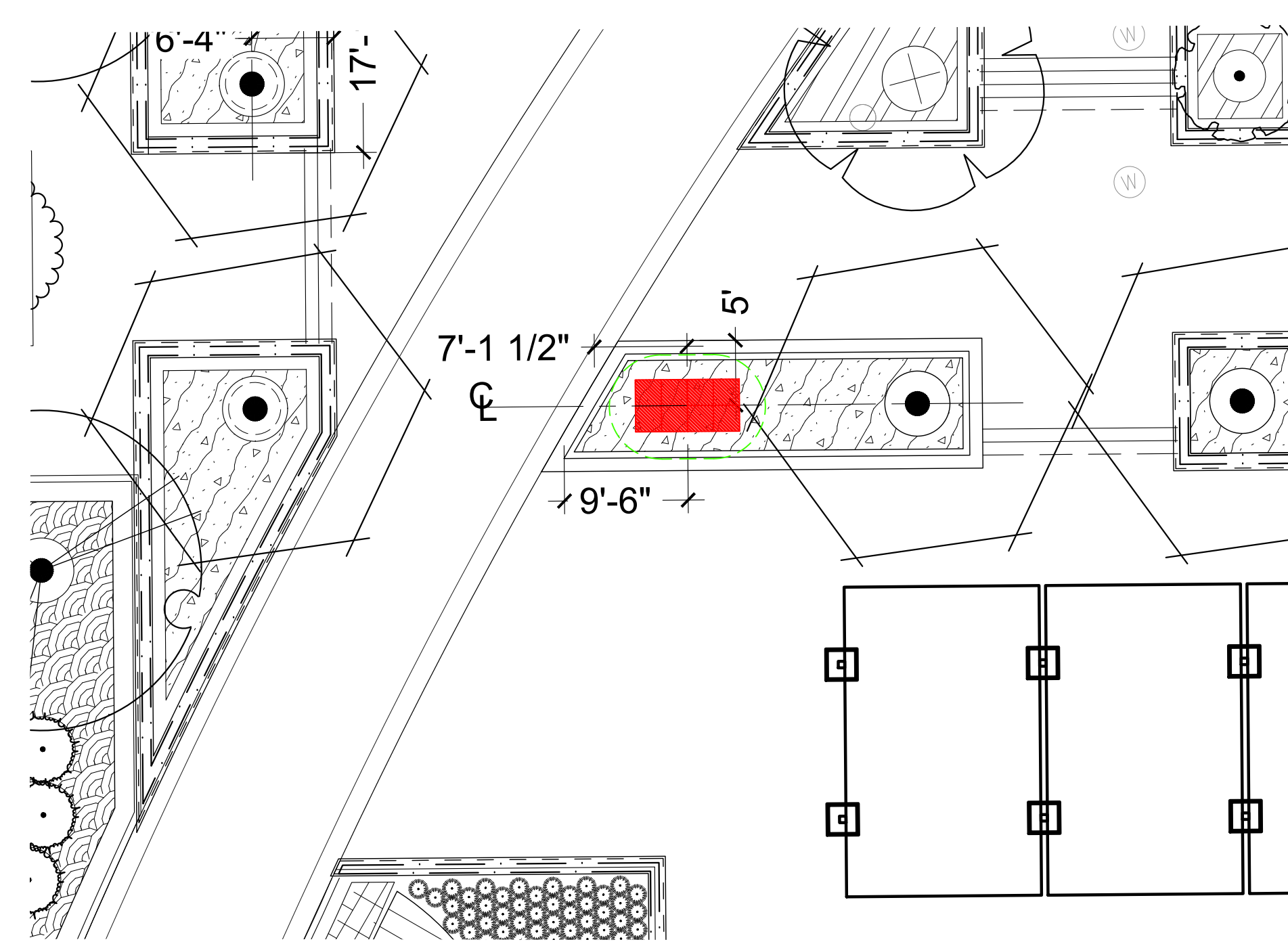
ART BASE - 4 SCALE: 1" = 10'



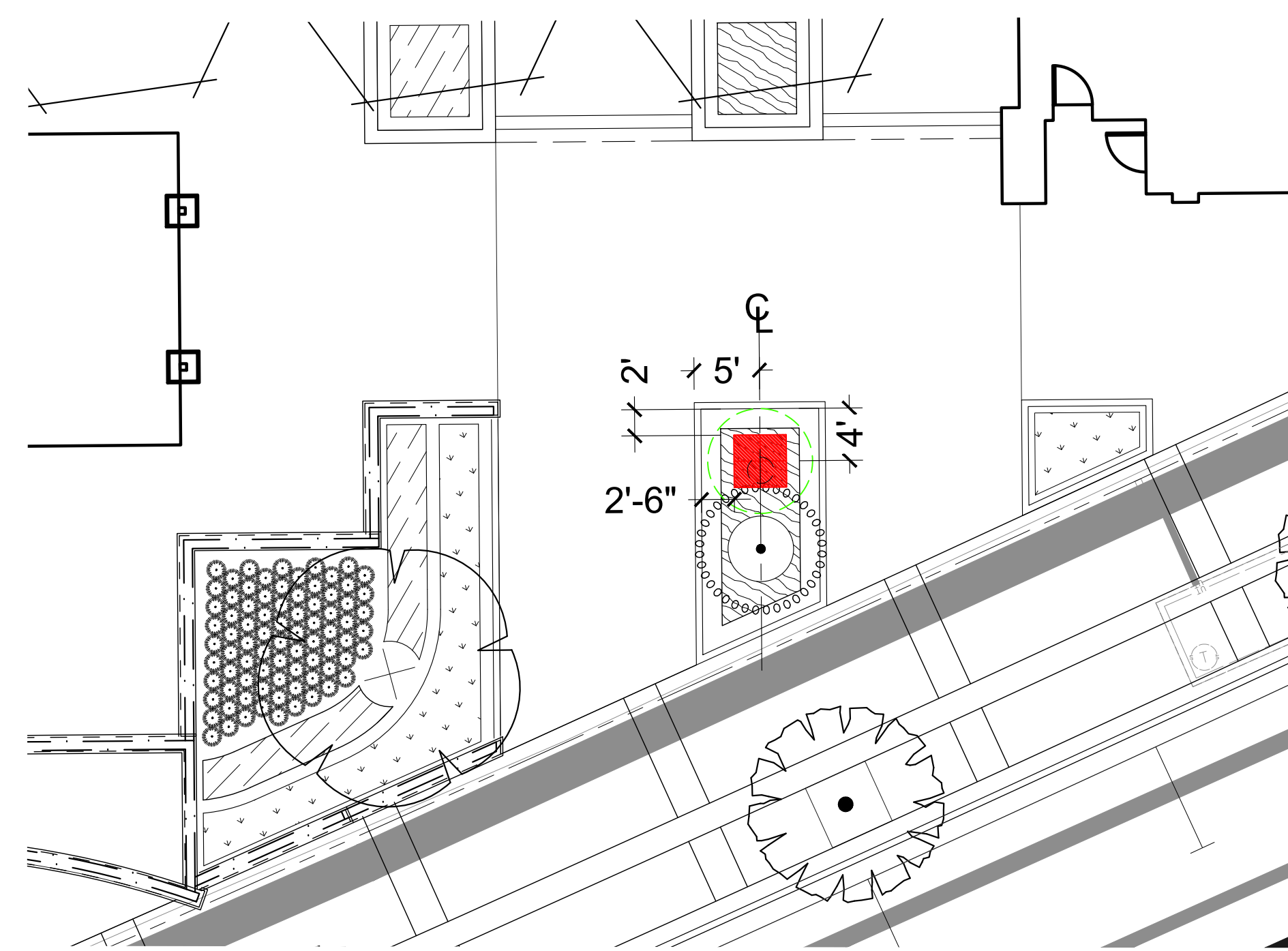
ART BASE - 5 SCALE: 1" = 10'



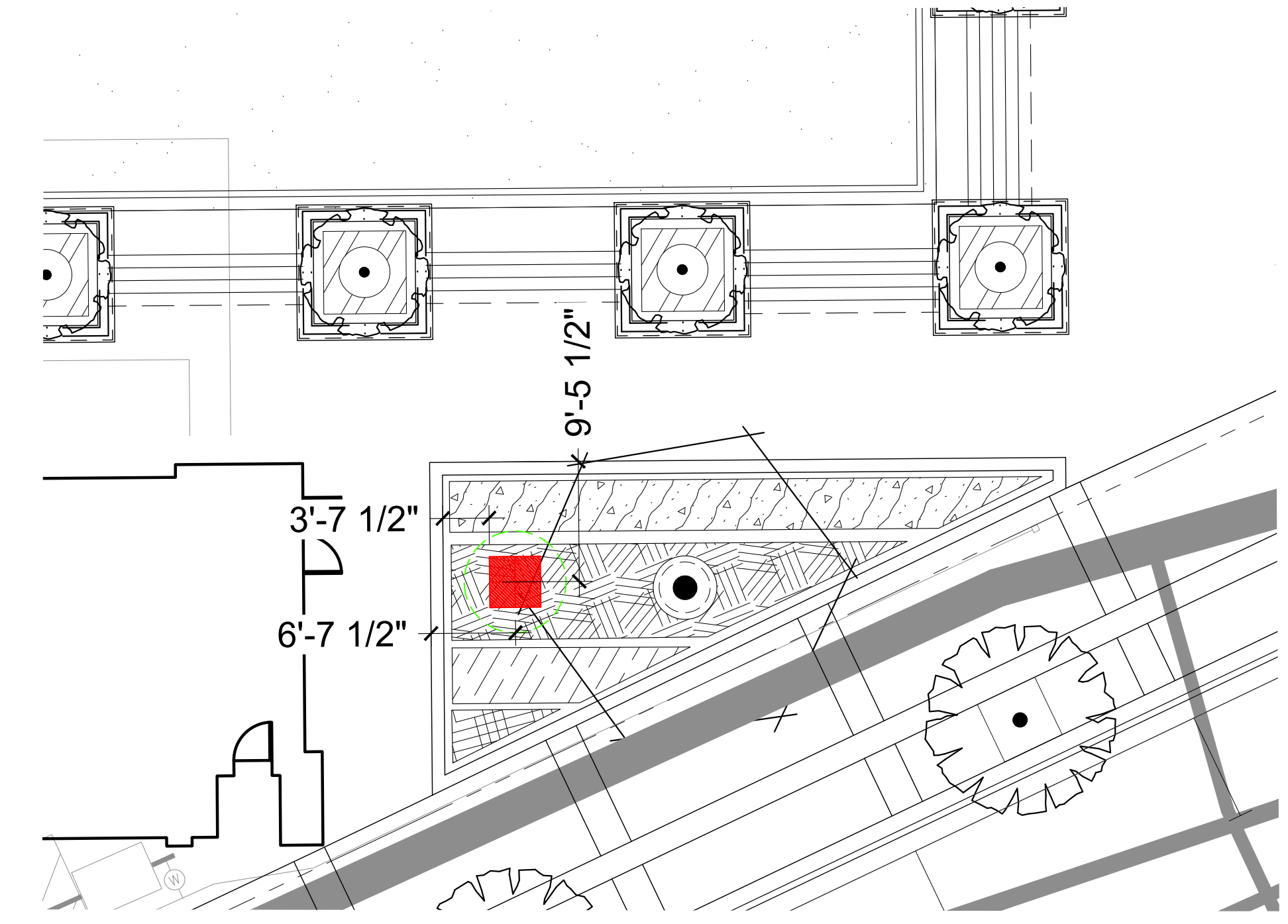
ART BASE - 6 SCALE: 1" = 10'



ART BASE - 7 SCALE: 1" = 10'



ART BASE - 8 SCALE: 1" = 10'



ART BASE - 9 SCALE: 1" = 10'

ROSSER

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STAMP

Sandy Springs City Springs
Sandy Springs, Georgia 30350
Project No. 14013
CONSTRUCTION DOCUMENTS

KEY PLAN

PRINTING AND REVISIONS

MARK	DATE	DESCRIPTION
	30 MAY 2017	RFI 1109

ROSSER PROJECT NUMBER	14013
DRAWN BY	LHT
CHECKED BY	JMF
DATE RELEASED FOR CONSTRUCTION	01 FEB 2016
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SHEET TITLE
ART BASE DETAIL

SHEET NUMBER
L1.4.1

ASSUMING CENTER OF GRAVITY OF ART IS CONCENTRIC WITH CENTER OF FOOTING:

ACCORDING TO FOUNDATION DESIGN $E \leq L/6 = 4'-0" / 6 = 8"$

WHEN WIND IS MORE THEN 40MPH, THEN THE ART HAS TO BE BROUGHT DOWN OR SOME BRACING WIRE WILL BE INSTALLED.

CHECK SEISMIC FORCE:

SEISMIC FORCE IS ABOUT = WEIGHT * 0.1 = 10% OF WEIGHT

E_t = TOTAL ECCENTRICITY

E_w = ECCENTRICITY DUE TO CENTER OF GRAVITY OF ART FROM CENTER OF FOOTING.

E_i = ADDITIONAL OF CENTER DUE TO LATERAL LOAD LIKE WIND OR SEISMIC.

$E_t \leq 4'-0" / 6 = 8"$ FOR DESIGN FOUNDATION.

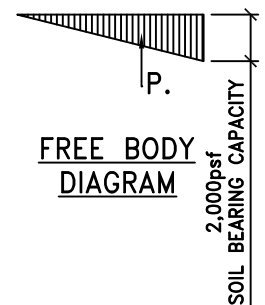
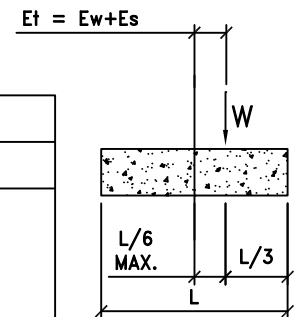
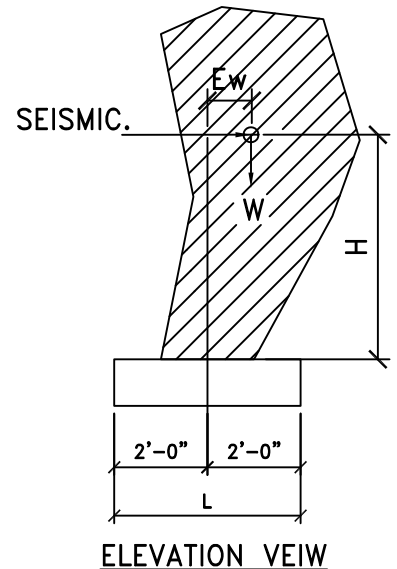
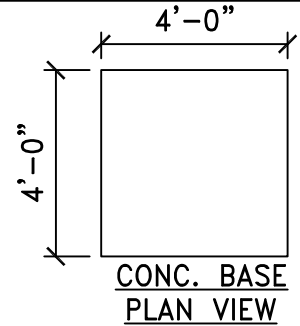
$E_i = F * H / W$, SINCE WE ASSUME $F = 0.1W$ THERE FORE $E_w = 0.1W * H / W = 0.1H$

$\implies 8" = E_t = E_w + E_i = E_w + 0.1H$

$\implies 0.1H = 8" - E_w$

$\implies H = (8" - E_w) / 0.1 \implies H = 10 * (8" - E_w)$

ASSUMING THAT THE $E_w = 0 \implies H = 10 * 8" = 80"$



CAPACITY 48"x48"x12" CONCRETE BASE FOOTING		
SOIL BEARING CAPACITY	MAX. ALLOWABLE WEIGHT	MAX. ART HEIGHT
2,000psf.	1,600 lbs.	80"
1,500psf.	1,200 lbs.	
1,000psf.	800 lbs.	

wet soil at planter maybe have lower bearing capacity.