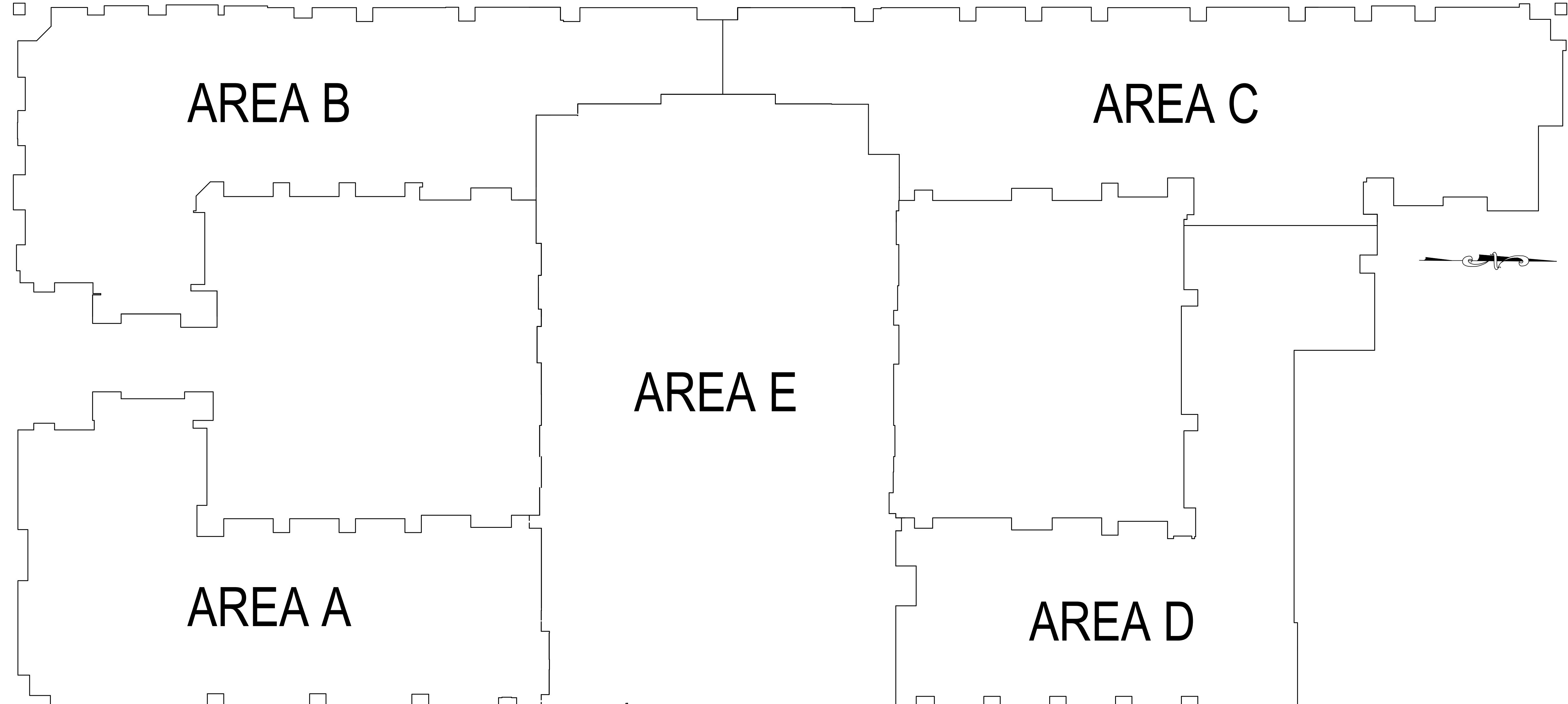


SARASOTA BAYSIDE

SARASOTA, FLORIDA



SITE KEYPLAN

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No.	DATE	REVISION

BERKEL & COMPANY CONTRACTORS, INC.

SARASOTA BAYSIDE
SARASOTA, FLORIDA

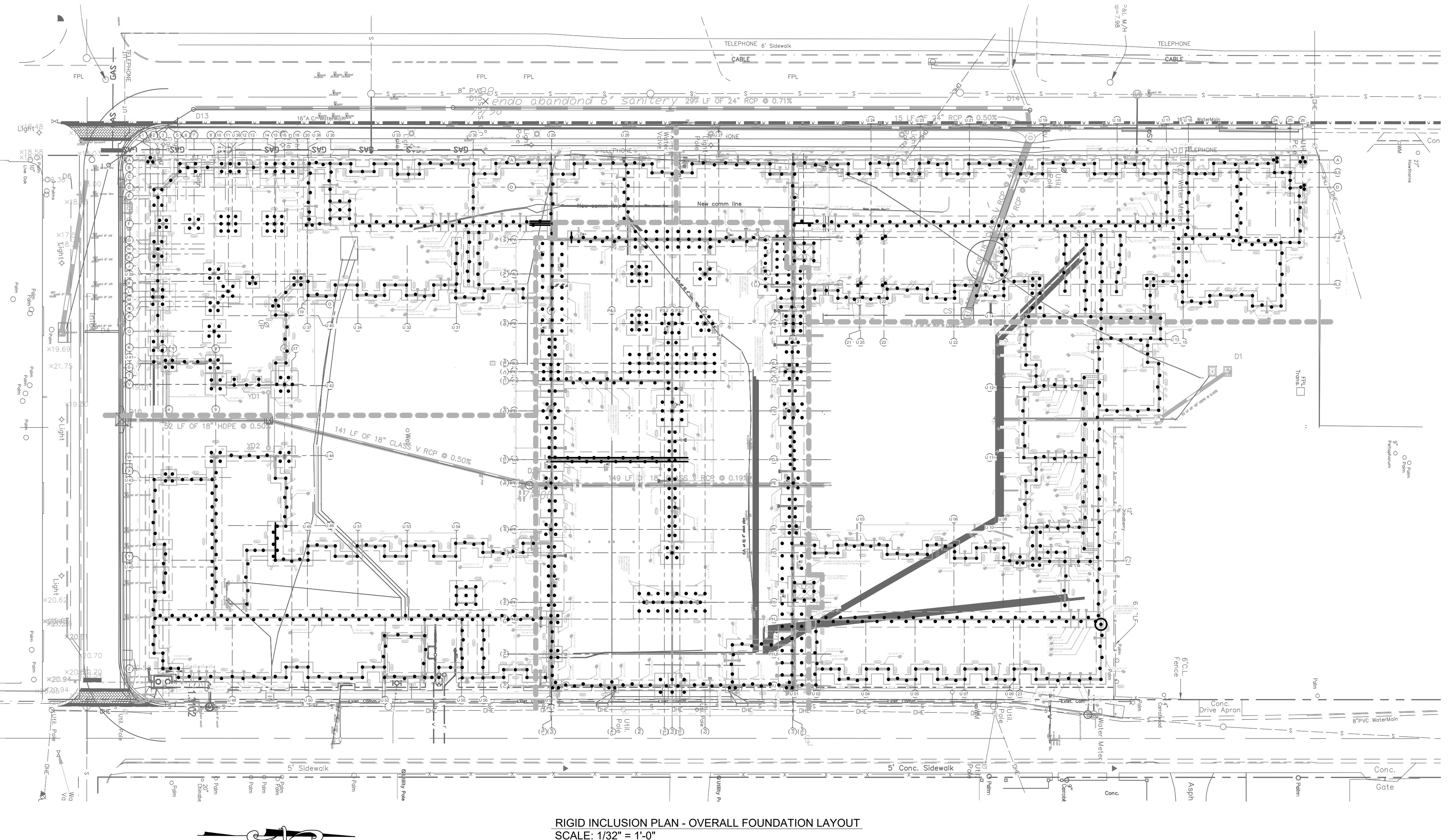
COVER SHEET

FLORIDA REGION - (770) 941.6300
7300 MARKS LANE, AUSTELL, GA 30168

Owner: General Contractor:

Drawn By: RS Date: 2/24/2025 Job No.: 25-045

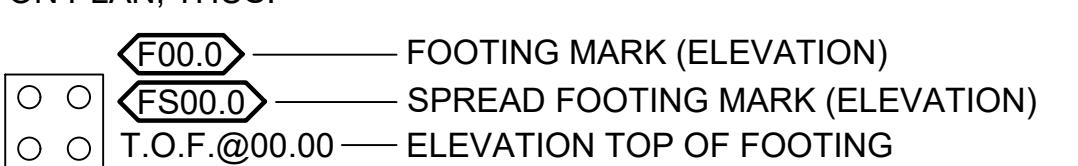
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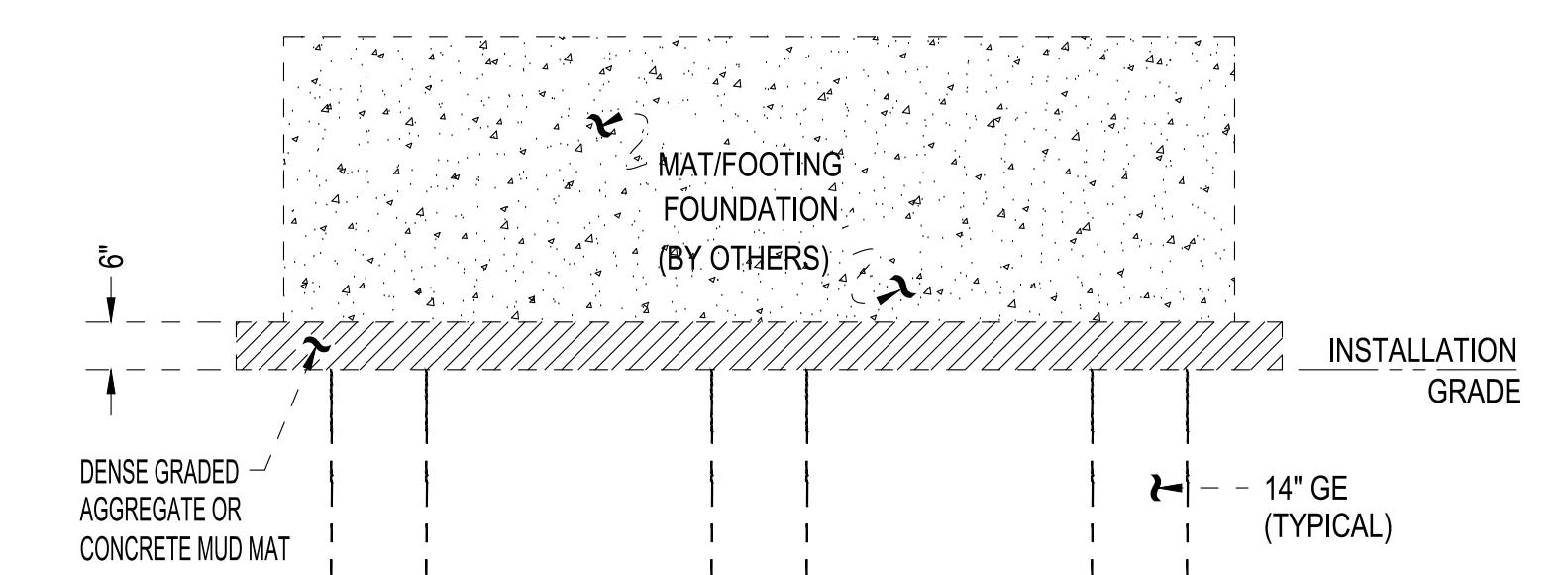
RIGID INCLUSION PLAN - OVERALL FOUNDATION LAYOUT
SCALE: 1/32" = 1'-0"

GENERAL NOTES:

1. INFORMATION CONTAINED IN THESE DRAWINGS IS INTENDED SOLELY FOR THE INSTALLATION OF THE BERKEL AUGER PRESSURE GROUTED (APG) PILES AND RIGID INCLUSIONS FOR THE PROPOSED SARASOTA BAYSIDE PROJECT IN SARASOTA, FLORIDA.
2. RIGID INCLUSIONS SHALL BE CONSTRUCTED WITH GROUT HAVING A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
3. RIGID INCLUSIONS FOR FOUNDATION SUPPORT HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE (USING SERVICE LOAD COMBINATIONS) OF 4,000 PSF
4. FOOTINGS INDICATED ON PLAN, THUS:



5. FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.

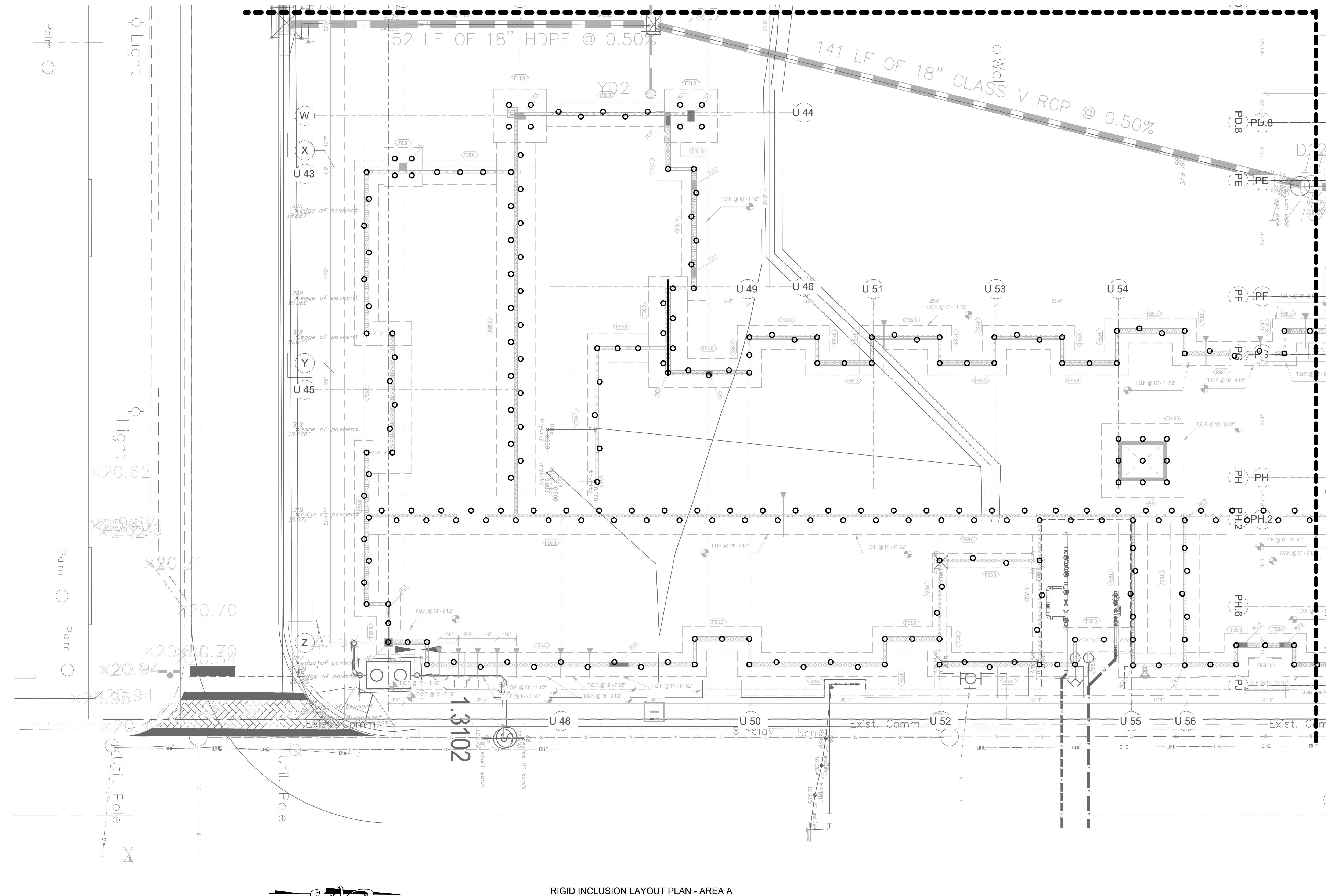


TYPICAL GROUND ELEMENT SUPPORTED FOUNDATION
SCALE: 1/2" = 1'-0"

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SARASOTA BAYSIDE SARASOTA FLORIDA		
OVERALL RIGID INCLUSION LAYOUT		
BERKEL & COMPANY CONTRACTORS, INC.		FLORIDA REGION - (770) 941.6300 7300 MARKS LANE, AUSTELL, GA 30168
Owner: _____		General Contractor: _____
Drawn By: RS	Date: 2/24/2025	Job No.: 25-045
	Scale: AS NOTED	Dwg. No.: 1 OF 8



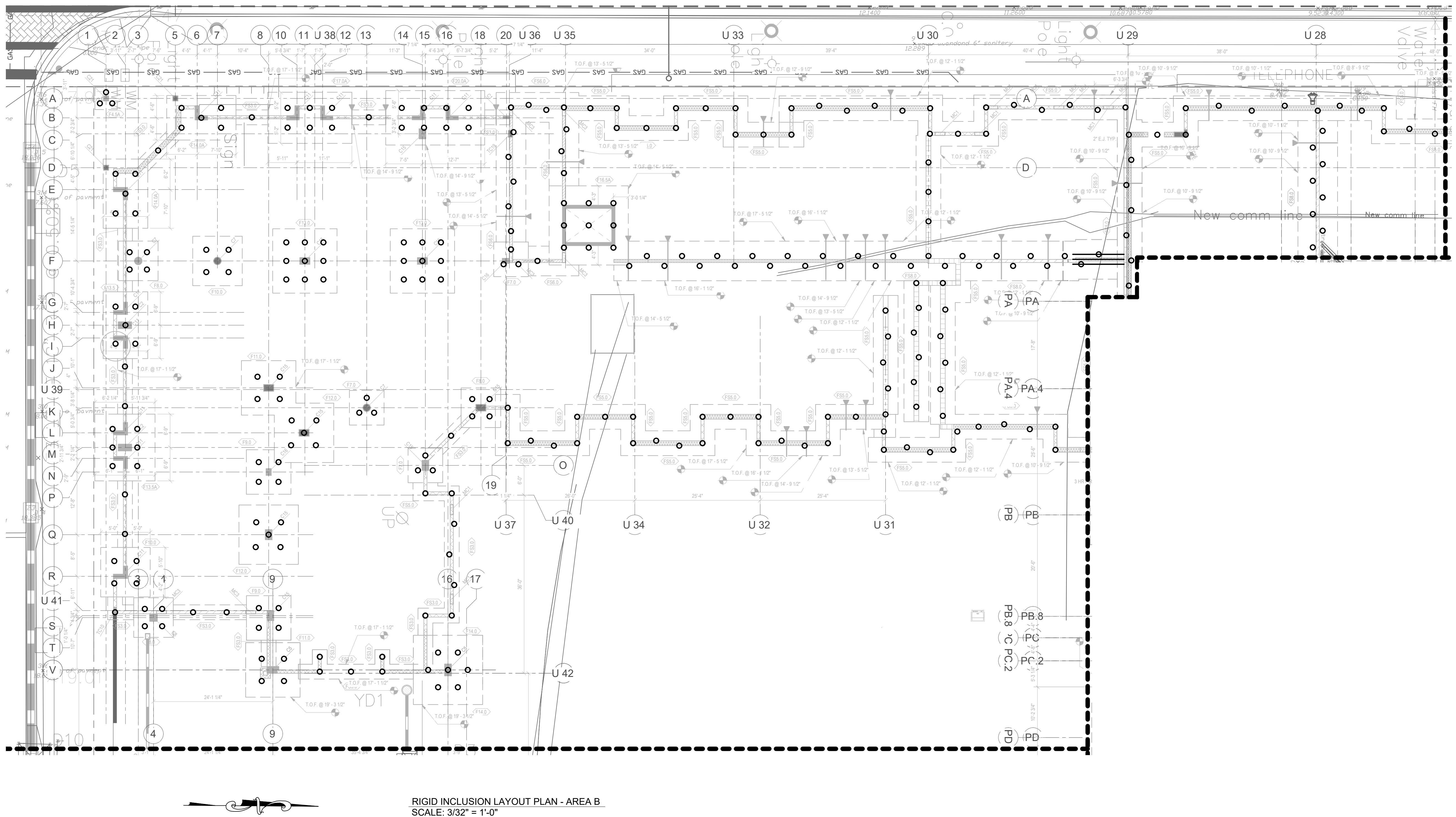


RIGID INCLUSION LAYOUT PLAN - AREA A
SCALE: 3/32" = 1'-0"

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No.	DATE	REVISION	SARASOTA BAYSIDE SARASOTA FLORIDA		
			RIGID INCLUSION / UNDERGROUND UTILITIES COORDINATION AREA - A		
BERKEL & COMPANY CONTRACTORS, INC.	FLORIDA REGION	(770) 941.6300			
Owner:	General Contractor:				
Drawn By:	Date: 2/24/2025	Job No.: 25-045			
RS	Scale: AS NOTED	Dwg. No.: 2 OF 8			

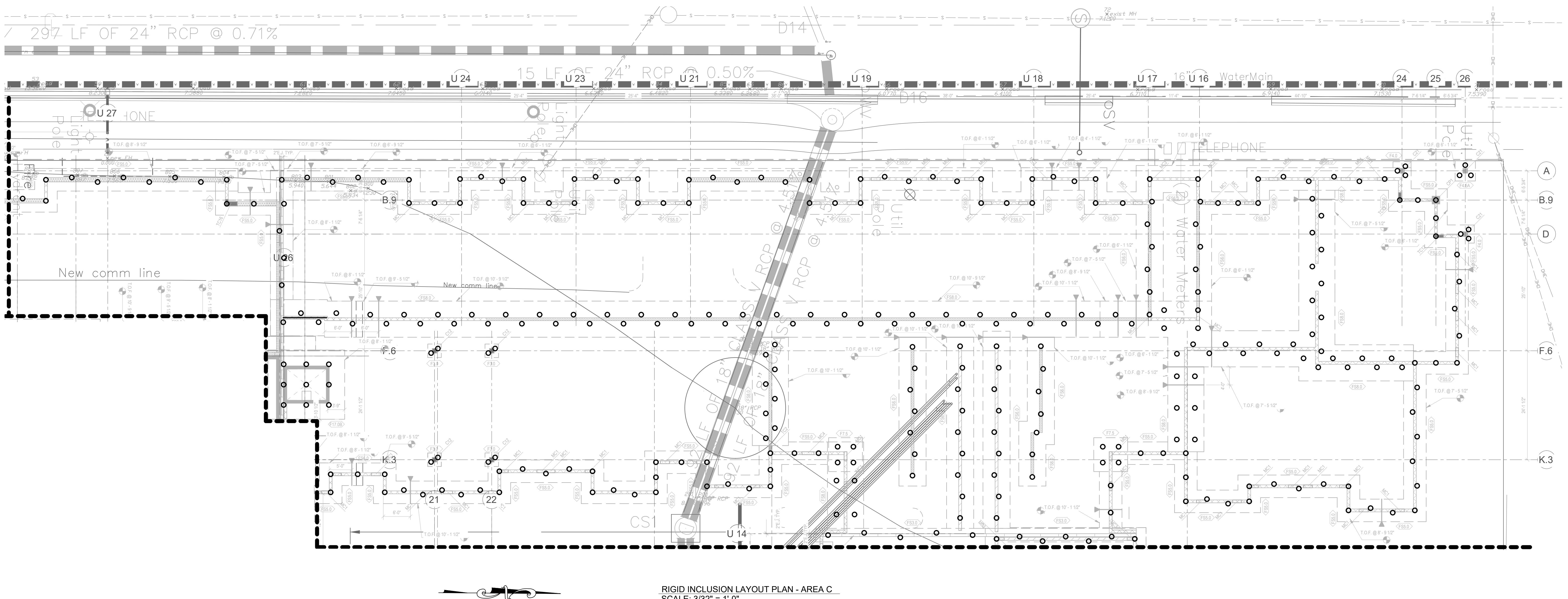




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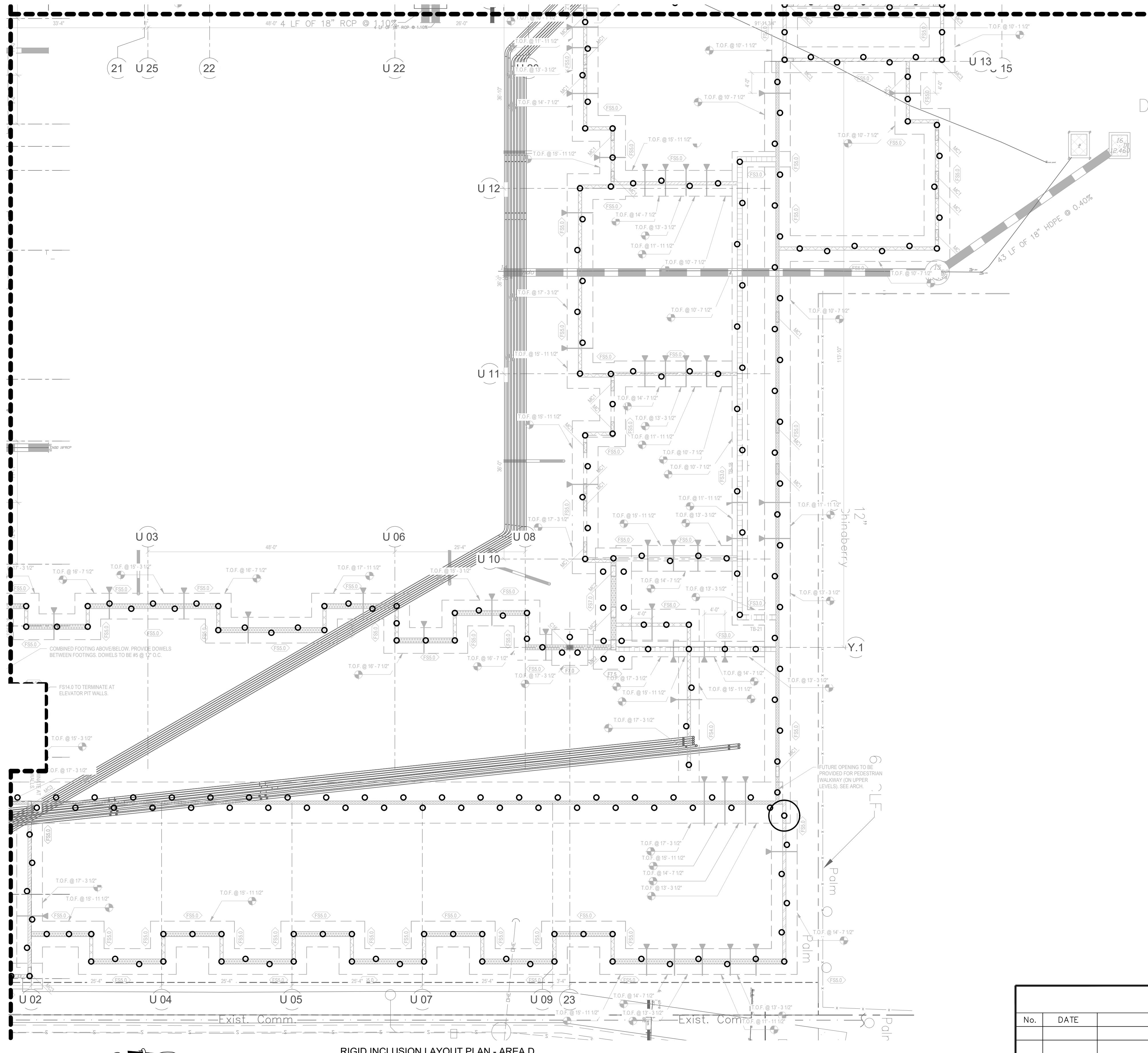
No.	DATE	REVISION	SARASOTA BAYSIDE SARASOTA FLORIDA		
RIGID INCLUSION / UNDERGROUND UTILITIES COORDINATION AREA - B					
BERKEL & COMPANY CONTRACTORS, INC.	FLORIDA REGION	(770) 941.6300			
Owner:	General Contractor:				
Drawn By:	Date:	Job No.:			
RS	2/24/2025	25-045			
Scale:	AS NOTED	Dwg. No.:	3 OF 8		





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No.	DATE	REVISION	SARASOTA BAYSIDE SARASOTA FLORIDA		
			RIGID INCLUSION / UNDERGROUND UTILITIES COORDINATION AREA - C		
BERKEL & COMPANY CONTRACTORS, INC.	FLORIDA REGION	(770) 941.6300			
Owner:	General Contractor:				
Drawn By:	Date:	Job No.:			
RS	2/24/2025	25-045			
Scale:	AS NOTED	Dwg. No.:	4 OF 8		



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SARASOTA BAYSIDE

SARASOTA FLORIDA

IGID INCLUSION / UNDERGROUND UTILITIES COORDINATION AREA - D

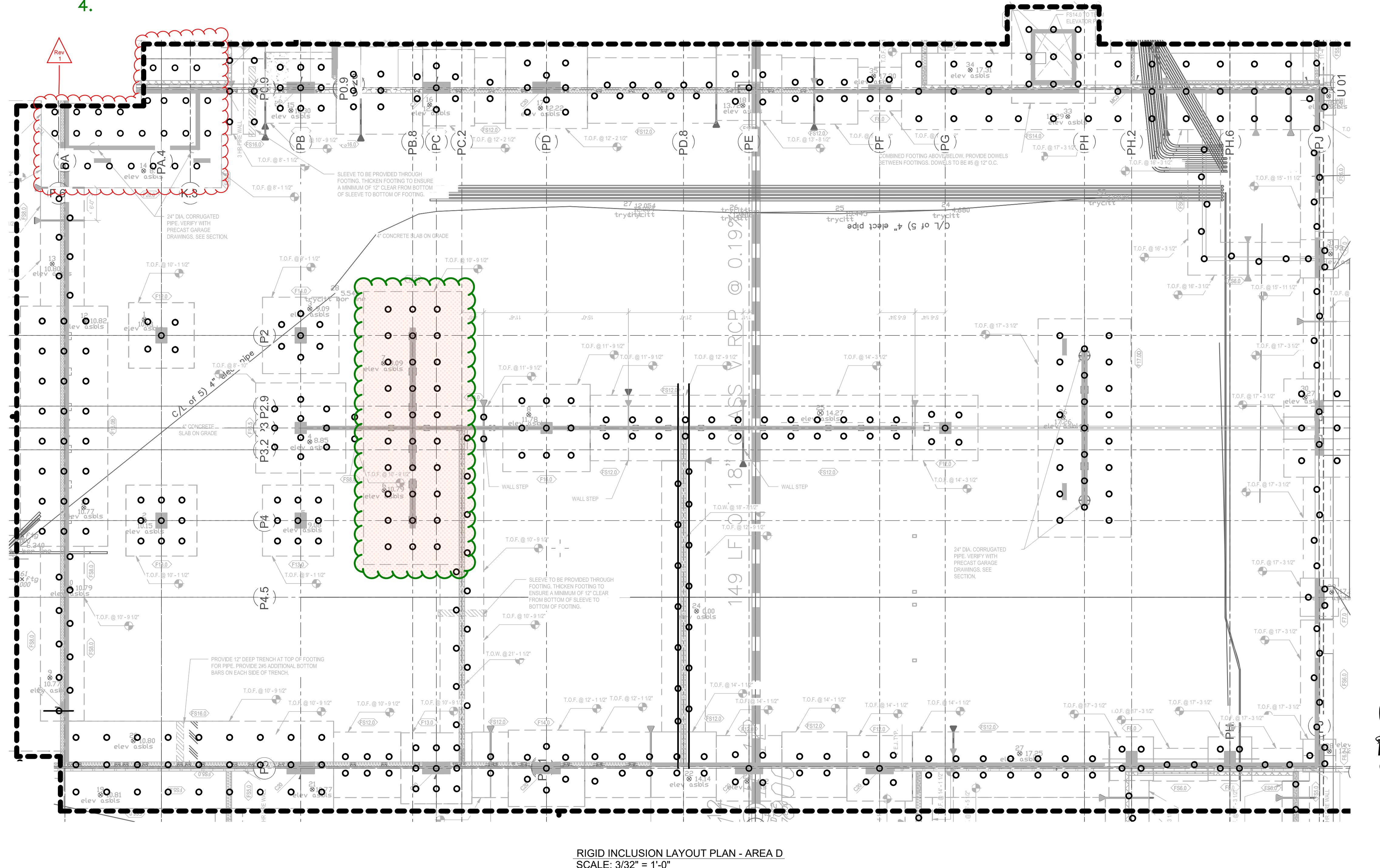
**MERKEL & COMPANY
CONTRACTORS, INC.** FLORIDA REGION - (770) 941.6300
7300 MARKS LANE, AUSTELL, GA 30168

Owner: General Contractor:

Drawn By: _____ Date: 2/24/2025 Job No.: 25-045
PC

RS Scale: AS NOTED Dwg. No.: 5 OF 8

1. GOALS: Check the design as provided,
Try to reduce the size of the foundation,
Try to reduce the depth/thickness? TRY TO MAINTAIN DEPTH
Calculate bottom reinforcement (design for moment)
Check for punching shear.
 2. IDEAS FOR DESIGN AROUND WALLS (CLOUDED REGIONS).
 3. SAVING RESULTS -> I CAN SAVE ALL VISUAL OUTPUTS FOR EACH FOUNDATION (ACCEPTABLE?). OR DO YOU PREFER DETAILED CALCULATIONS TO BE SAVED?
 - 4.



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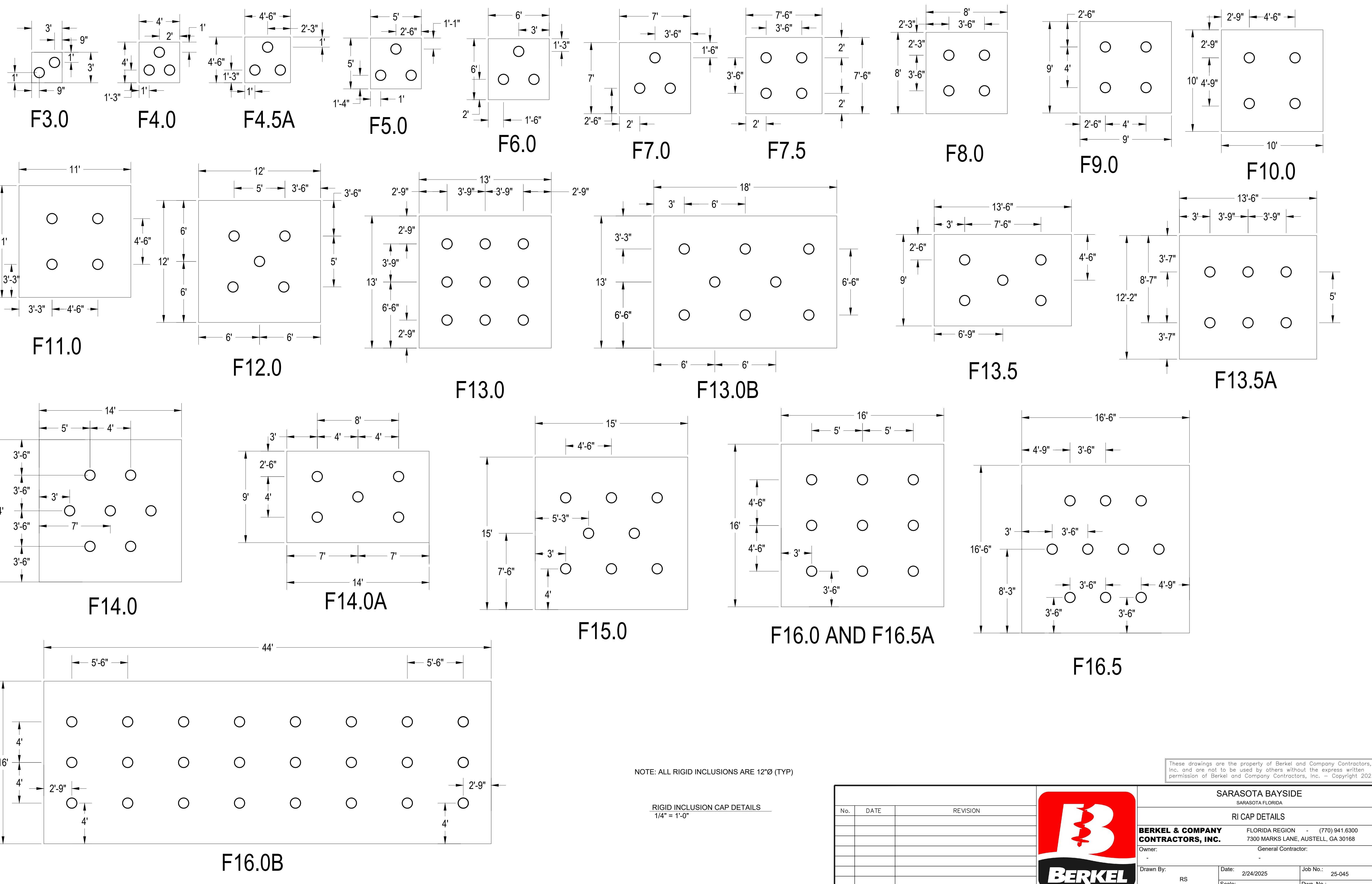


SARASOTA BAYSIDE

ID INCLUSION / UNDERGROUND UTILITIES COORDINATION AREA - D

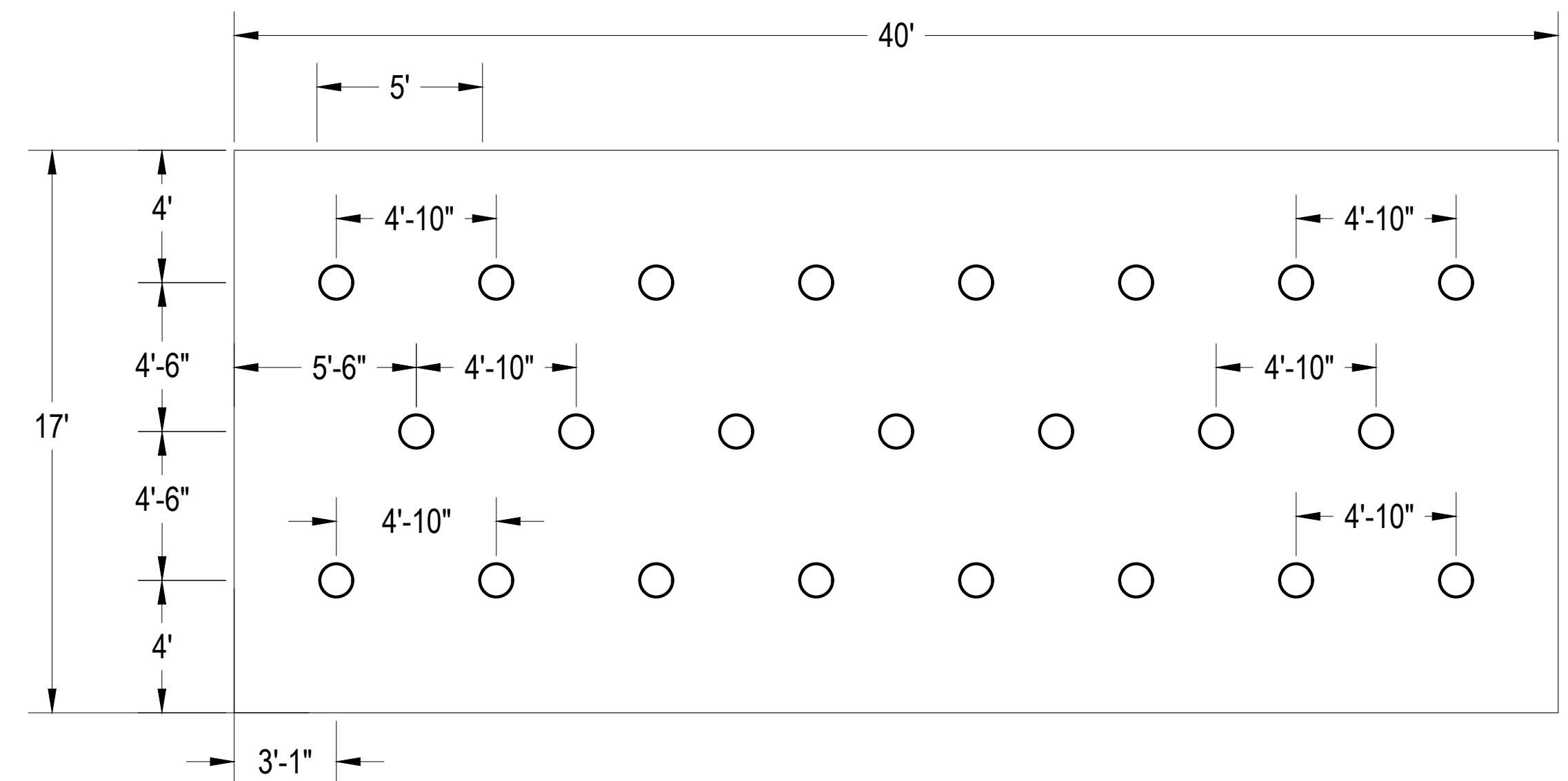
**KEL & COMPANY
TRACTORS, INC.** FLORIDA REGION - (770) 941.6300
7300 MARKS LANE, AUSTELL, GA 30168

er: General Contractor:

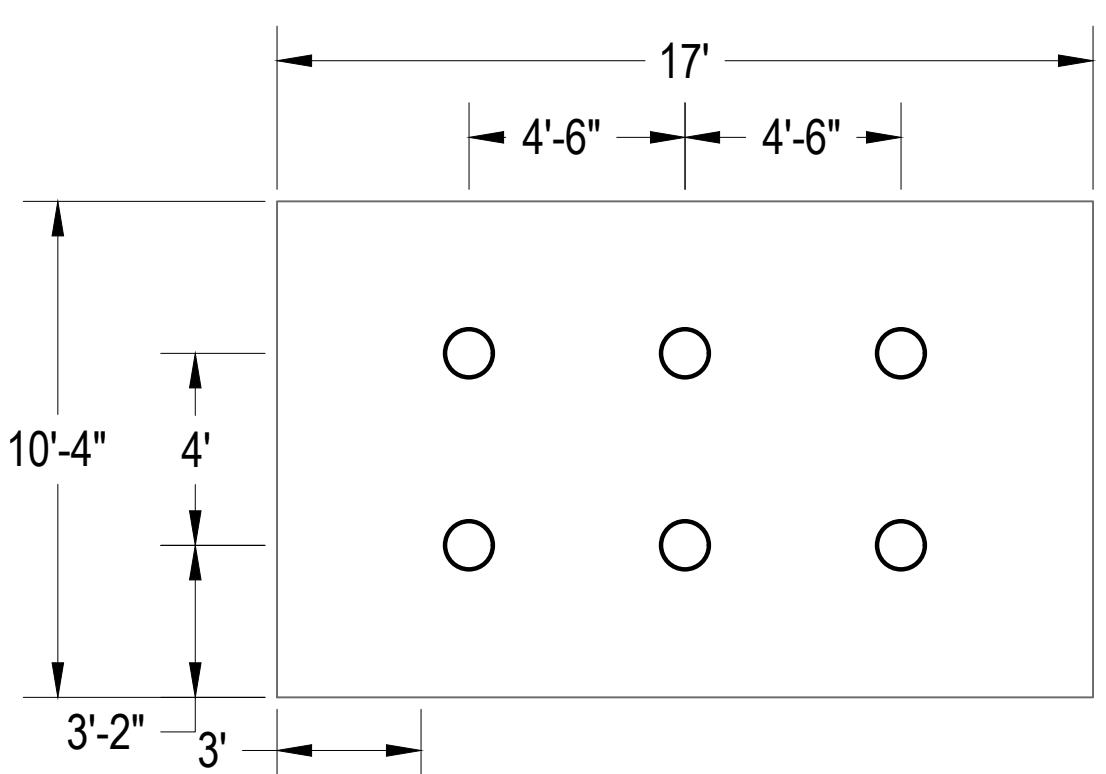


NOTE: ALL RIGID INCLUSIONS ARE 12"Ø (TYP)

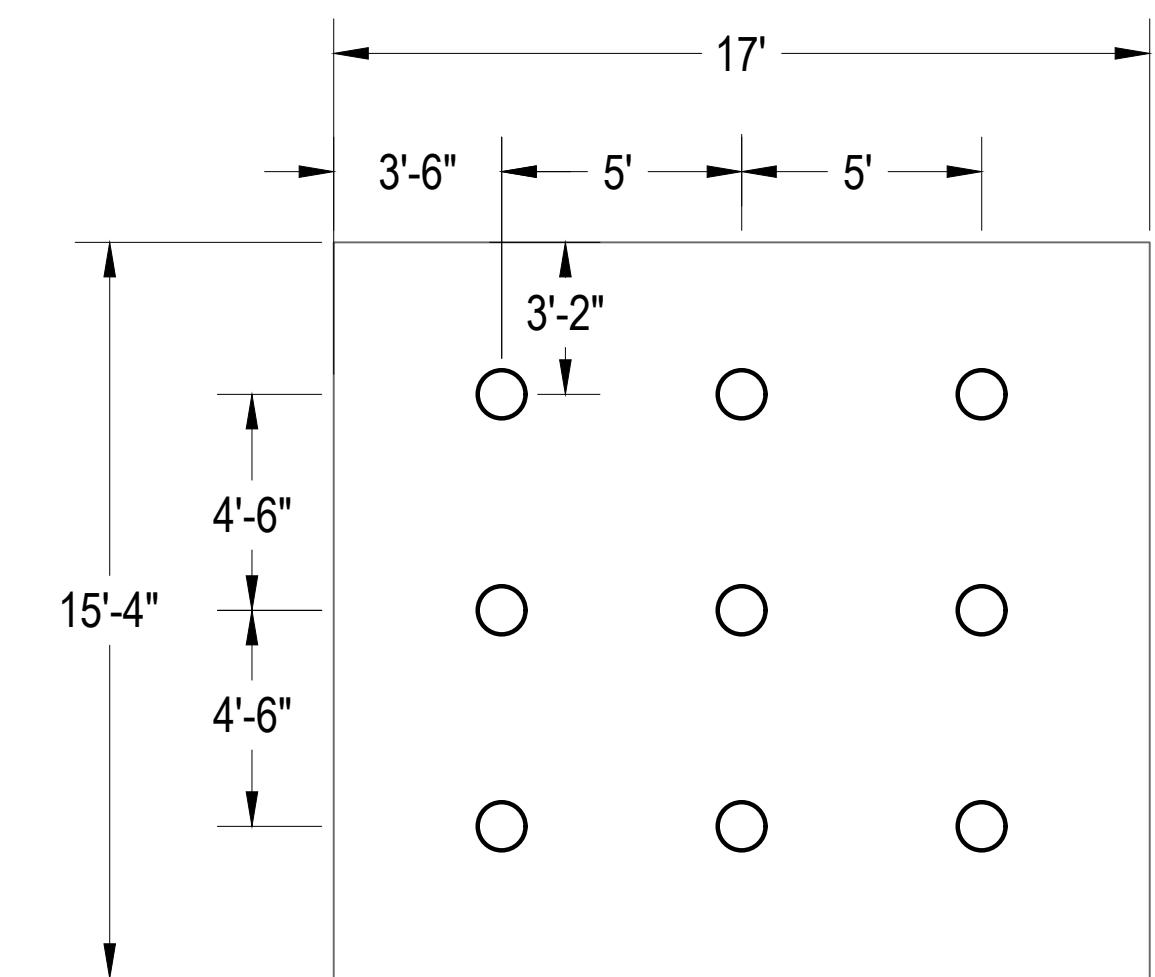
RIGID INCLUSION CAP DETAILS



F17.0D



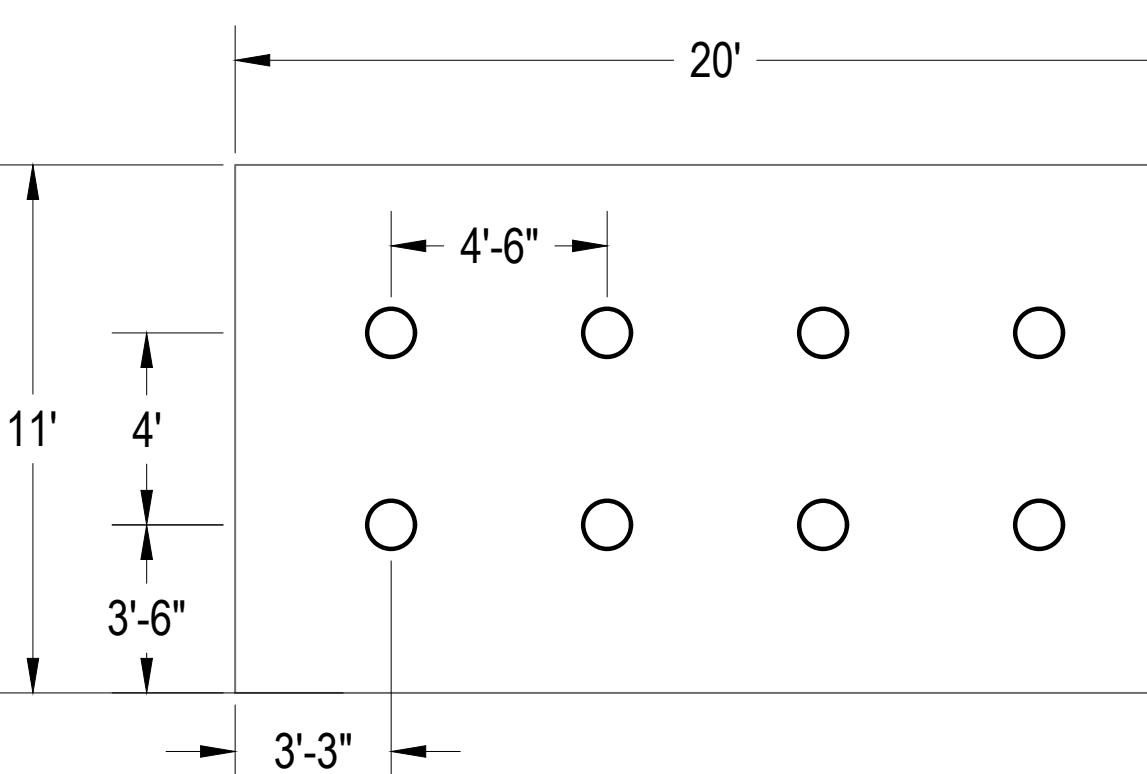
F17.0A



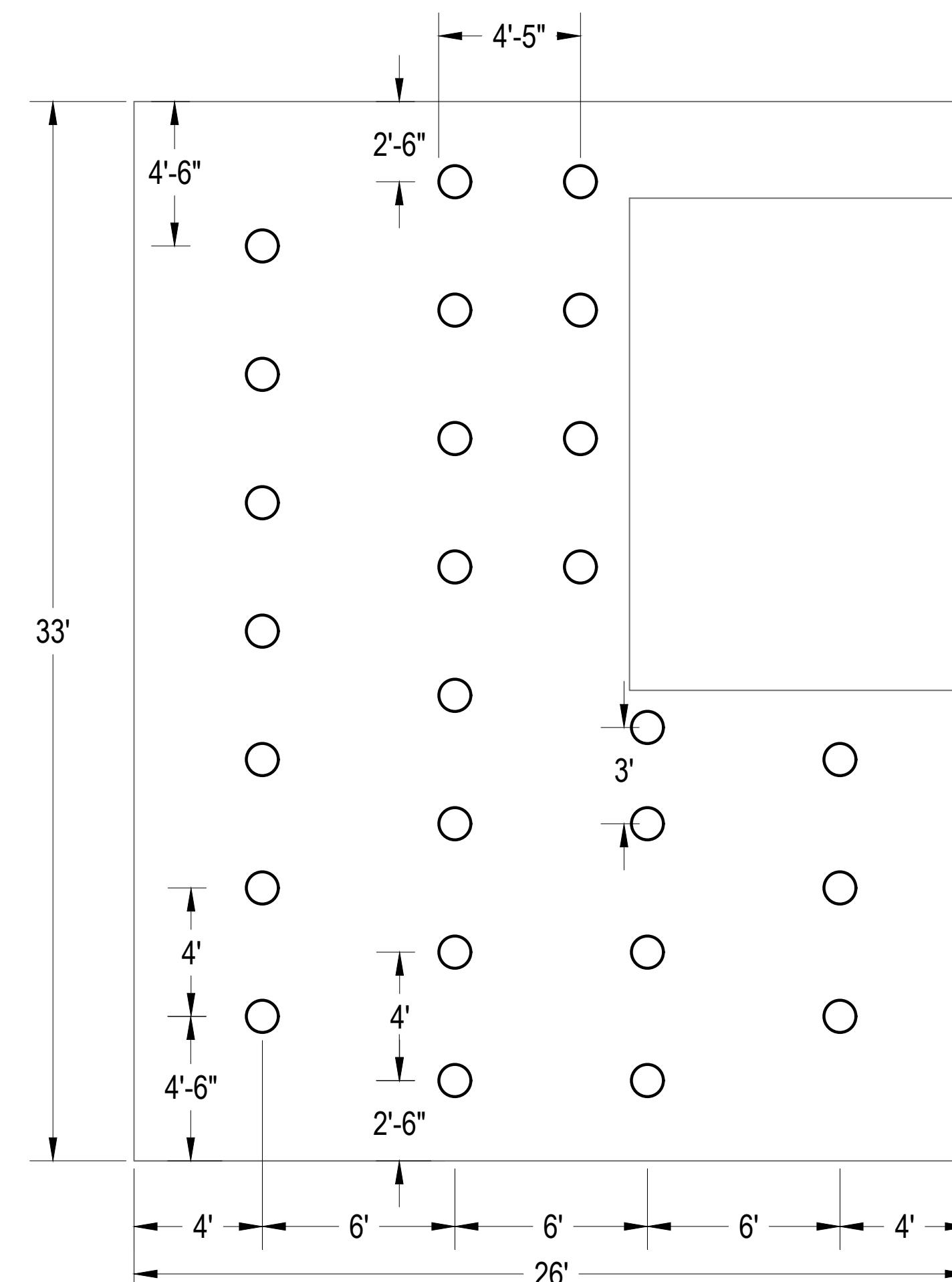
F17.0B AND F17.0C



F18.0A



F20.0A



F26.0

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NOTE: ALL RIGID INCLUSIONS ARE 12"Ø (TYP)

RIGID INCLUSION CAP DETAILS
1/4" = 1'-0"

No.	DATE	REVISION	SARASOTA BAYSIDE SARASOTA FLORIDA		
			RI CAP DETAILS		
BERKEL & COMPANY CONTRACTORS, INC.			FLORIDA REGION - (770) 941.6300 7300 MARKS LANE, AUSTELL, GA 30168		
Owner:	General Contractor:				
Drawn By:	Date: 2/24/2025	Job No.: 25-045	RS	Scale: AS NOTED	Dwg. No.: 8 OF 8