

PILING & GRADE BEAM PLAN
SCALE: 1/4" = 1'-0"

PILENG NOTES:

- IT IS THE RESPONSIBILITY OF PILING INSTALLERS/ENGINEER TO ENSURE FINAL BEARING CAPACITY OF ALL PILING.
- FOUNDATION SYSTEM HAS BEEN DESIGNED SUCH THAT CAPACITY IS LISTED ON FOUNDATION PILING PLAN.
- ALL PILING SHALL BE SPP PRECASTER TREATED WOOD PILE.
- FOUNDATION DESIGN IS BASED ON USE RECORDS PRESENTED IN GEOTECH REPORT DATED 7/1/14 AND INDICATED HORIZON IS LOCATED 20-FT MIN. BELOW GRADE.

REQUIRED PILING CAPACITIES

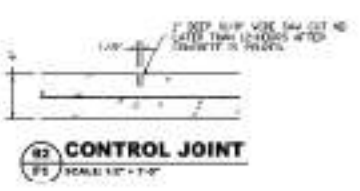
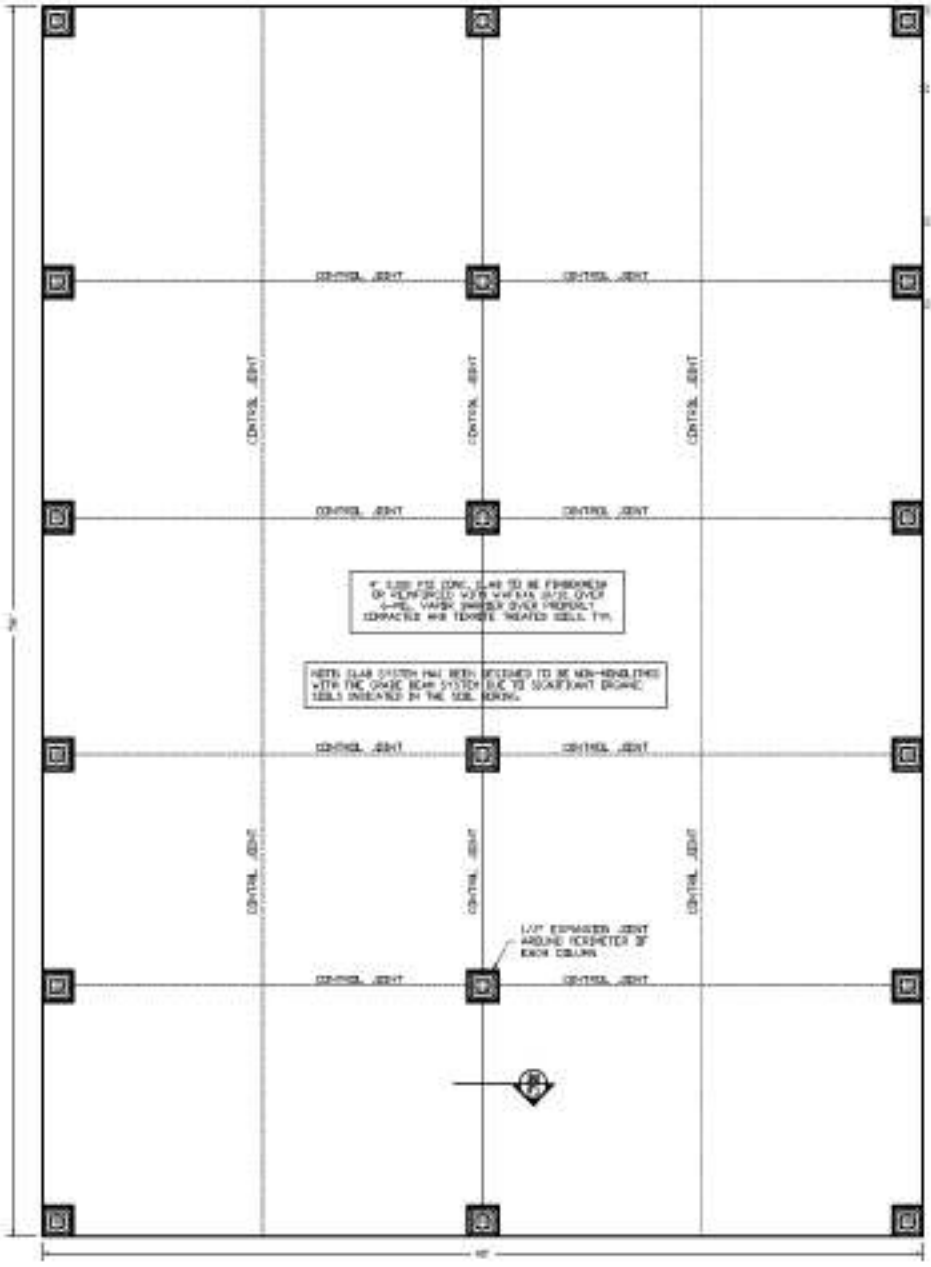
PPC	20,000 LB (9-TONS)
PPR	20,000 LB (9-TONS)

DESIGN CRITERIA

- THIS SET FOUNDATION SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE-2014 (2018 EDITION).
- THE FOLLOWING ANALYSIS CRITERIA HAS USED:
WIND SPEED: 140 MPH (1-SEC GUST)
WIND PRESSURE: 14.0 PSF (140 MPH) = 10.8 PSF (1-SEC GUST)
- SEWERAGE STRUCTURE CLASS: 1
RESISTANCE RATIO: 1.5
- FLOOR DEAD LOAD: 11 PSF
FLOOR LIVE LOAD: 40 PSF
ROOF DEAD LOAD: 15 PSF
ROOF LIVE LOAD: 18 PSF
FLOOR FINISH: 46 (FLOOR SLAB) = 11'-0"

ENGINEERS NOTES

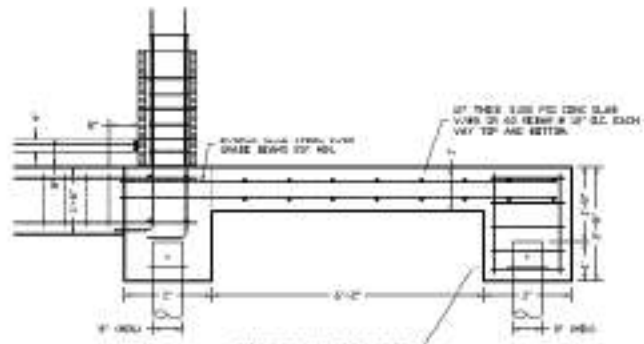
- THE DESIGN IS CRITERIA WITHIN THIS DRAWING SET ARE BASED ON THE FOLLOWING:
A) ARCHITECTURAL DRAWINGS BY TAVIS P. KING, ARCHITECT
B) USE RECORD BY "GEOTECH RECORD LABORATORY" DATED 7/1/14
- THIS DRAWING SET IS FOR CERTIFICATION OF THE FOUNDATION SYSTEM ONLY AND IS NOT APPROVED BY SUBJECTS THE REMINDER OF THE STRUCTURE TO BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE-2014.
- THIS DRAWING SET CERTIFIED THE FOLLOWING ITEMS:
A) REQUIRED PILING CAPACITIES DESIGN OF PILING BY OTHERS
B) GRADE BEAM
C) PRECASTER CONCRETE
D) 12" MIN. 1" FIBER FLOOR JOIST AND NON-BUILDING COVERED
E) FOUNDATION SYSTEM HAS BEEN DESIGNED TO SUPPORT THE LOADS OF SUBJECTS AND IS APPROVED FOR OTHER STRUCTURE TO BE DESIGNED
- ALL DESIGN ARE PERFORMED FOR STRUCTURE, SYSTEMS AND EQUIPMENT AND BEING MADE TO DESIGN FINAL DRAWINGS WILL FIT THE REQUIREMENTS OF THE OVERALL PROJECT. ENGINEER TO VERIFY ALL STRUCTURE DESIGN.



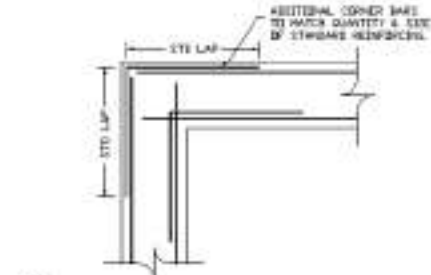
SLAB PLAN
SCALE: 1/4" = 1'-0"

Daniel F. Ardito, P.E.
Florida Reg. 3616

SHEET F1 OF 4	JOB NAME: FLUDD ZONE STRUCTURAL CITRUS COUNTY, FL	SHEET TITLE: PILING & GRADE BEAM / SLAB PLAN	Daniel F. Ardito, P.E. Professional Engineer 1544 S. PLANTATION PT. U.S. HIGHWAY 19 OCEAN RIDGE, FL 32179	DATE: 08/20/2024
	DRAWN BY: DA JOB NUMBER: 15-14			TIME: 10:00



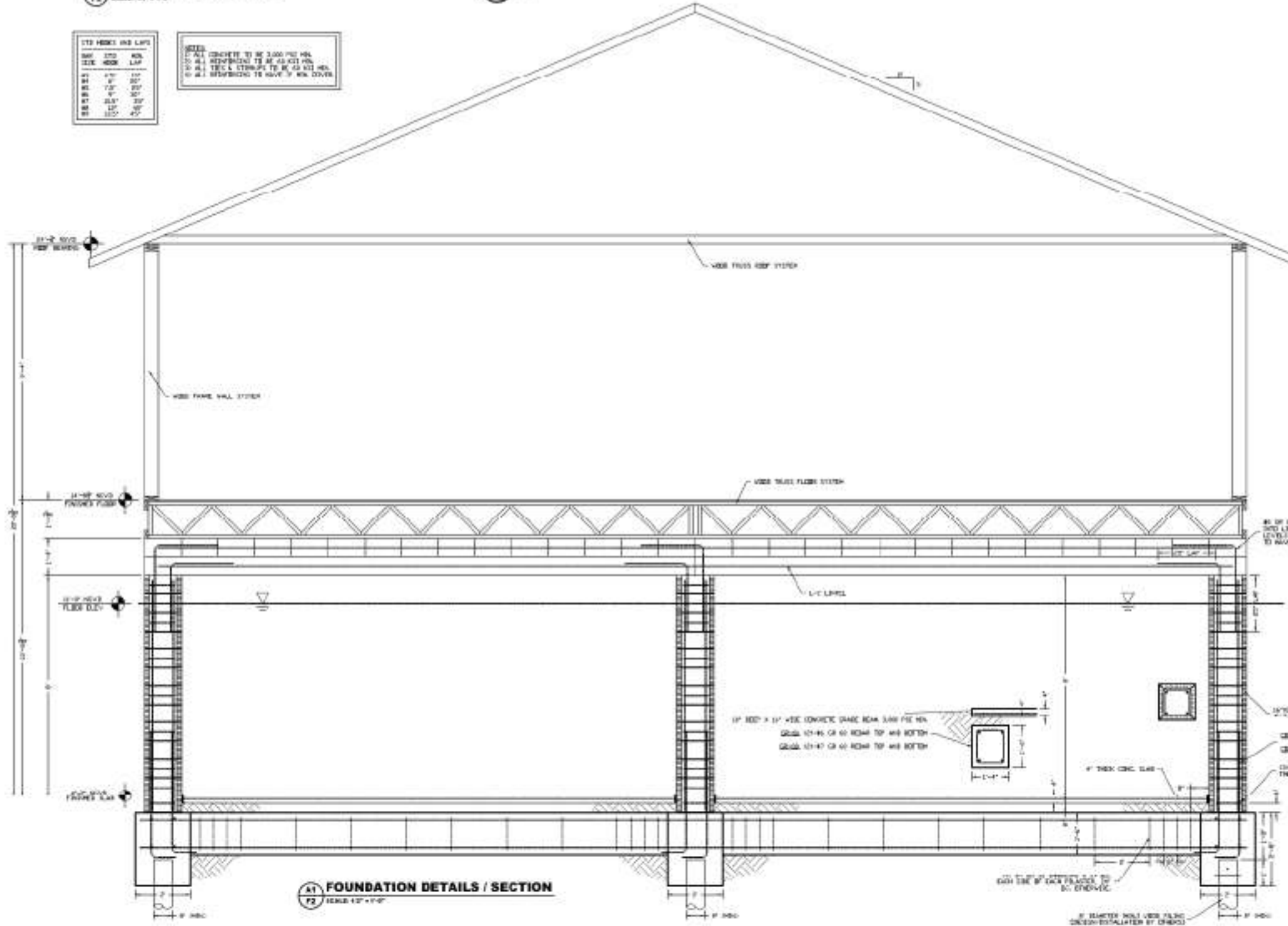
A2 12" SLAB AT STAIRWAYS
SCALE: 1/2" = 1'-0"



A3 CORNER REINFORCING FOR FOOTINGS AND BEAMS
SCALE: 1/2" = 1'-0"

BAR	SIZE	NO.
A1	#4	10
A2	#4	10
A3	#4	10
A4	#4	10
A5	#4	10
A6	#4	10
A7	#4	10
A8	#4	10
A9	#4	10
A10	#4	10

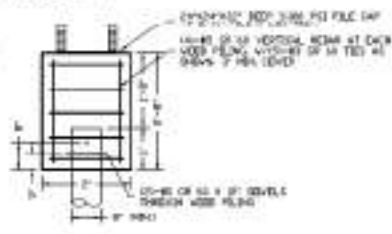
- 1. ALL CONCRETE TO BE 3000 PSI MIN.
- 2. ALL REINFORCING TO BE #4 60 KI MPN.
- 3. ALL TIE & STRAPPS TO BE #3 60 KI MPN.
- 4. ALL REINFORCING TO HAVE 3/4" MIN COVER.



A1 FOUNDATION DETAILS / SECTION
SCALE: 1/2" = 1'-0"

#4 OR #3 CORNER REINFORCING TO FINISH BY MIN. TWO LINES, ONE PLACED AT INSIDE UPPER & LOWER LEVEL AT CORNER EACH SIDE OF LIFTED CURB TO HAVE TWO CORNER REINFORCING.

12" CONC. OR LIGHTER FILL
 CONC. 110-40 OR 41
 CONC. 110-41 OR 42
 12" CONC. OR 2" CONC. AT BASE, THEN 12" CONC. TO TOP



DATE		REVISION	
DESIGNER	DFA	DRAWN BY	DFA
CHECKED BY		DATE	10-14
JOB NAME	FLOOD ZONE STRUCTURAL		
JOB NUMBER	CITRUS COUNTY, FL		
SHEET	F2	OF 4	
DETAILS			

