FRESNEL E. HERNANDEZ PE
FL PE #46618GF CONSULTING ENGINEERS INC.
STRUCTURAL ENGINEERS
13170 SW 128 ST #204
MIAMI, FLFERNANDA ROCA
24115
13125 SW 63 AVE, PINECREST FL 33156CASA AT 63RD
AVENUENEW SINGLE-FAMILY RES.
EU-1 RESIDENTIAL
SUBURBAN ESTATE

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11-14-2024

REVISIONS

FOUNDATION PLAN

SHEET TITLE

S101

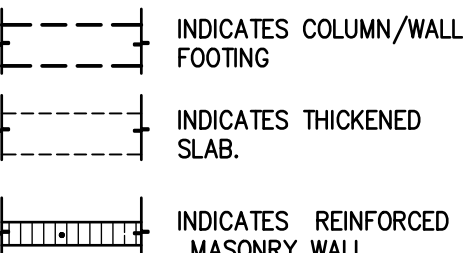
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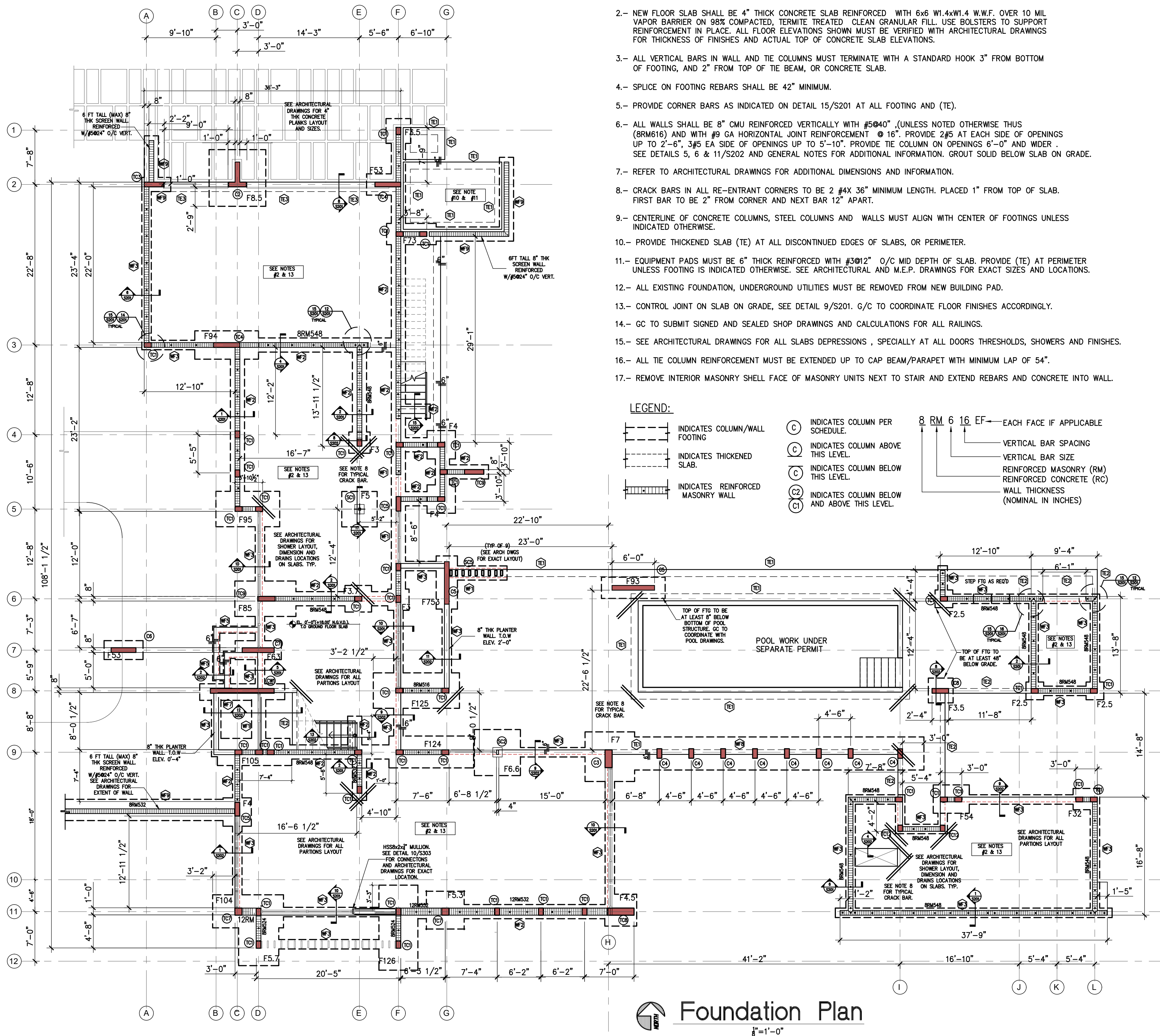
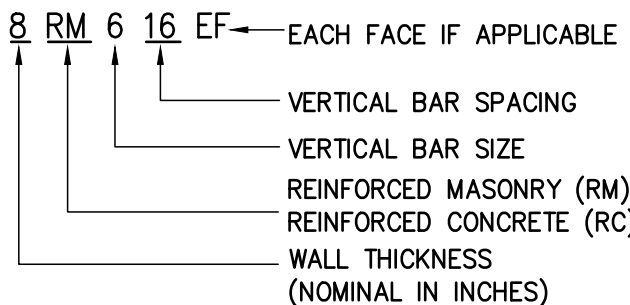
NOTES:

- 1.- TOP OF FOOTING ELEVATION TO BE MINIMUM 12" BELOW EXISTING GRADE UNLESS INDICATED THUS [X'-X"].
- 2.- NEW FLOOR SLAB SHALL BE 4" THICK CONCRETE SLAB REINFORCED WITH 6x6 W1.4xW1.4 W.W.F. OVER 10 MIL VAPOR BARRIER ON 98% COMPACTED, TERMITE TREATED CLEAN GRANULAR FILL. USE BOLSTERS TO SUPPORT REINFORCEMENT IN PLACE. ALL FLOOR ELEVATIONS SHOWN MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS FOR THICKNESS OF FINISHES AND ACTUAL TOP OF CONCRETE SLAB ELEVATIONS.
- 3.- ALL VERTICAL BARS IN WALL AND TIE COLUMNS MUST TERMINATE WITH A STANDARD HOOK 3" FROM BOTTOM OF FOOTING, AND 2" FROM TOP OF TIE BEAM, OR CONCRETE SLAB.
- 4.- SPLICE ON FOOTING REBARS SHALL BE 42" MINIMUM.
- 5.- PROVIDE CORNER BARS AS INDICATED ON DETAIL 15/S201 AT ALL FOOTING AND (TE).
- 6.- ALL WALLS SHALL BE 8" CMU REINFORCED VERTICALLY WITH #5@40" (UNLESS NOTED OTHERWISE THUS (RM#16) AND WITH #9 GA HORIZONTAL JOINT REINFORCEMENT @ 16". PROVIDE 2#5 AT EACH SIDE OF OPENINGS UP TO 2'-6", 3#5 EA SIDE OF OPENINGS UP TO 5'-10". PROVIDE THE COLUMN ON OPENINGS 6'-0" AND WIDER. SEE DETAILS 5, 6 & 11/S202 AND GENERAL NOTES FOR ADDITIONAL INFORMATION. GROUT SOLID BELOW SLAB ON GRADE.
- 7.- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS AND INFORMATION.
- 8.- CRACK BARS IN ALL RE-ENTRANT CORNERS TO BE 2 #4X 36" MINIMUM LENGTH. PLACED 1" FROM TOP OF SLAB. FIRST BAR TO BE 2" FROM CORNER AND NEXT BAR 12" APART.
- 9.- CENTERLINE OF CONCRETE COLUMNS, STEEL COLUMNS AND WALLS MUST ALIGN WITH CENTER OF FOOTINGS UNLESS INDICATED OTHERWISE.
- 10.- PROVIDE THICKENED SLAB (TE) AT ALL DISCONTINUED EDGES OF SLABS, OR PERIMETER.
- 11.- EQUIPMENT PADS MUST BE 6" THICK REINFORCED WITH #3@12" O/C MID DEPTH OF SLAB. PROVIDE (TE) AT PERIMETER UNLESS FOOTING IS INDICATED OTHERWISE. SEE ARCHITECTURAL AND M.E.P. DRAWINGS FOR EXACT SIZES AND LOCATIONS.
- 12.- ALL EXISTING FOUNDATION, UNDERGROUND UTILITIES MUST BE REMOVED FROM NEW BUILDING PAD.
- 13.- CONTROL JOINT ON SLAB ON GRADE, SEE DETAIL 9/S201. G/C TO COORDINATE FLOOR FINISHES ACCORDINGLY.
- 14.- GC TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR ALL RAILINGS.
- 15.- SEE ARCHITECTURAL DRAWINGS FOR ALL SLABS DEPRESSIONS, SPECIALLY AT ALL DOORS THRESHOLDS, SHOWERS AND FINISHES.
- 16.- ALL TIE COLUMN REINFORCEMENT MUST BE EXTENDED UP TO CAP BEAM/PARAPET WITH MINIMUM LAP OF 54".
- 17.- REMOVE INTERIOR MASONRY SHELL FACE OF MASONRY UNITS NEXT TO STAIR AND EXTEND REBARS AND CONCRETE INTO WALL.

LEGEND:



- (C) INDICATES COLUMN PER SCHEDULE.
(C) INDICATES COLUMN ABOVE THIS LEVEL.
(C) INDICATES COLUMN BELOW THIS LEVEL.
(C1) INDICATES COLUMN BELOW AND ABOVE THIS LEVEL.



MARK	WIDTH	DEPTH	LONG	TRANSVERSE	NOTES
TE1	8"	12" MIN	2 # 5 CONT.		
TE2	12"	12" MIN	2 # 5 CONT.		
TE3	16"	12" MIN	2 # 5 CONT.		
WF9	36"	16"	4#5 CONT T&B.	#5@12" T&B	
WF8	56"	24"	6#6 CONT T&B.	#6@10" T&B	
WF7	28"	16"	3#5 CONT. T&B.	#5@10" BOTT	
WF6	32"	16"	3#5 CONT T&B.	#5@12" T&B	
WF5	12"	12"	2 # 5 CONT.	#4@24" BOTT.	
WF4	16"	16"	2#5 CONT. T&B	#4@12" T&B	
WF3	16"	16"	2# 5 CONT.	#5@24" BOTT	
WF2	24"	16"	3 # 5 CONT.	#5@12" BOTT	
WF1	24"	16"	3#5 CONT T&B.	#4@12" T&B	

NOTES:
ALL BARS MUST HAVE STD HOOK AT EACH END.

WALL FOOTING SCHEDULE

FOOTING SCHEDULE			
MARK	SIZE	REINF.	NOTES
F2.5	2'-6"x2'-6"x16"	3 # 5 E.W.	
F3	3'-0"x3'-0"x16"	4 # 5 E.W.	
F3.5	3'-6"x3'-6"x16"	4 # 5 E.W.	
F3.7	3'-9"x3'-9"x16"	5 # 5 E.W.	
F4	4'-0"x4'-0"x16"	5 # 5 E.W.	
F4.5	4'-6"x4'-6"x16"	6 # 5 E.W.	
F5.0	5'-0"x5'-0"x16"	6 # 5 E.W.	
F5.7	5'-9"x5'-9"x16"	5 # 6 E.W.	
F5.3	5'-4"x5'-4"x16"	5 # 6 E.W.	
F6.6	6'-8"x6'-8"x16"	6 # 6 E.W.	
F7	7'-0"x7'-0"x16"	6 # 6 E.W.	
F8.5	8'-6"x8'-6"x18"	8 # 6 E.W.	
F32	3'-6"x2'-6"x16"	4#5 B/S. 3#5 B/L	
F53	5'-6"x2'-8"x16"	7#5 B/S. 3#5 B/L	
F54	5'-0"x4'-0"x16"	7#5 B/S. 6#5 B/L	
F63	6'-6"x2'-8"x16"	8#5 B/S. 3#5 B/L	
F73	7'-0"x3'-0"x16"	8#5 B/S. 4#5 B/L	
F753	7'-6"x3'-0"x16"	11#5 B/S. 4#5 B/L	
F93	9'-0"x3'-0"x16"	11#5 B/S. 4#5 B/L	
F85	8'-6"x5'-0"x16"	10#5 B/S. 7#5 B/L	
F94	9'-0"x4'-0"x16"	11#5 B/S. 5#5 B/L	
F95	9'-0"x5'-0"x16"	11#5 B/S. 6#5 B/L	
F104	10'-0"x4'-8"x18"	13#5 B/S. 6#5 B/L	
F105	10'-6"x3'-10"x16"	16#5 B/S. 6#6 T&B/L	
F122	12'-0"x2'-0"x16"	14#5 B/S. 3#5 B/L	
F124	12'-0"x4'-6"x20"	18#5 B/S. 7#5 T&B/L	
F125	12'-2"x5'-0"x18"	17#5 B/S. 8#5 T&B/L	
F126	12'-0"x5'-6"x20"	12#6 B/S. 6#6 B/L	

NOTES:
- B: INDICATES BOTTOM BARS
- T: INDICATES TOP BARS
- S: INDICATES SHORT BARS. (SHORT DIRECTION)
- L: INDICATES LONG BARS. (LONG DIRECTION)
ALL BOTTOM BARS 6 FT AND SHORTER MUST HAVE STD HOOK AT EACH END. ALL TOP BARS MUST HAVE STD HOOK AT EACH END.

SPREAD FOOTING SCHEDULE