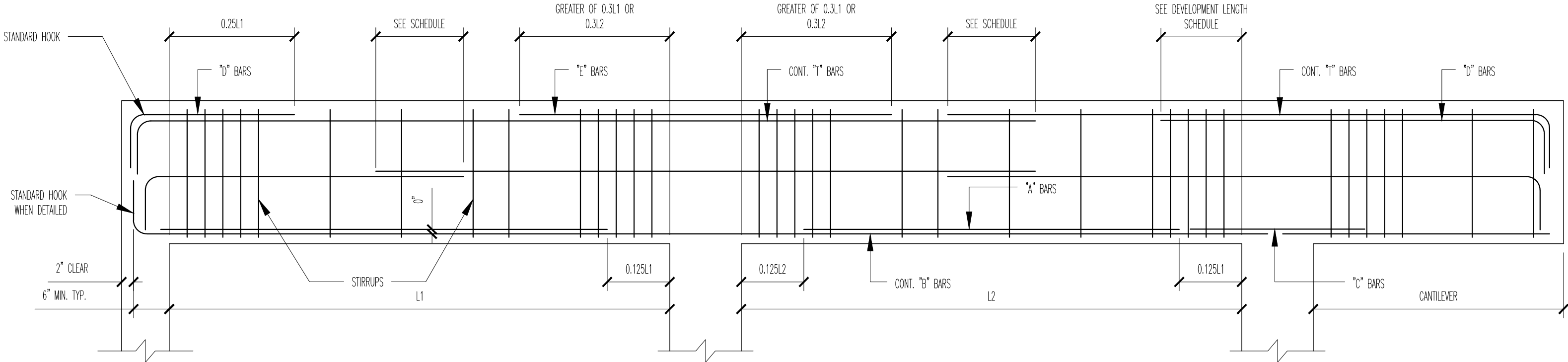
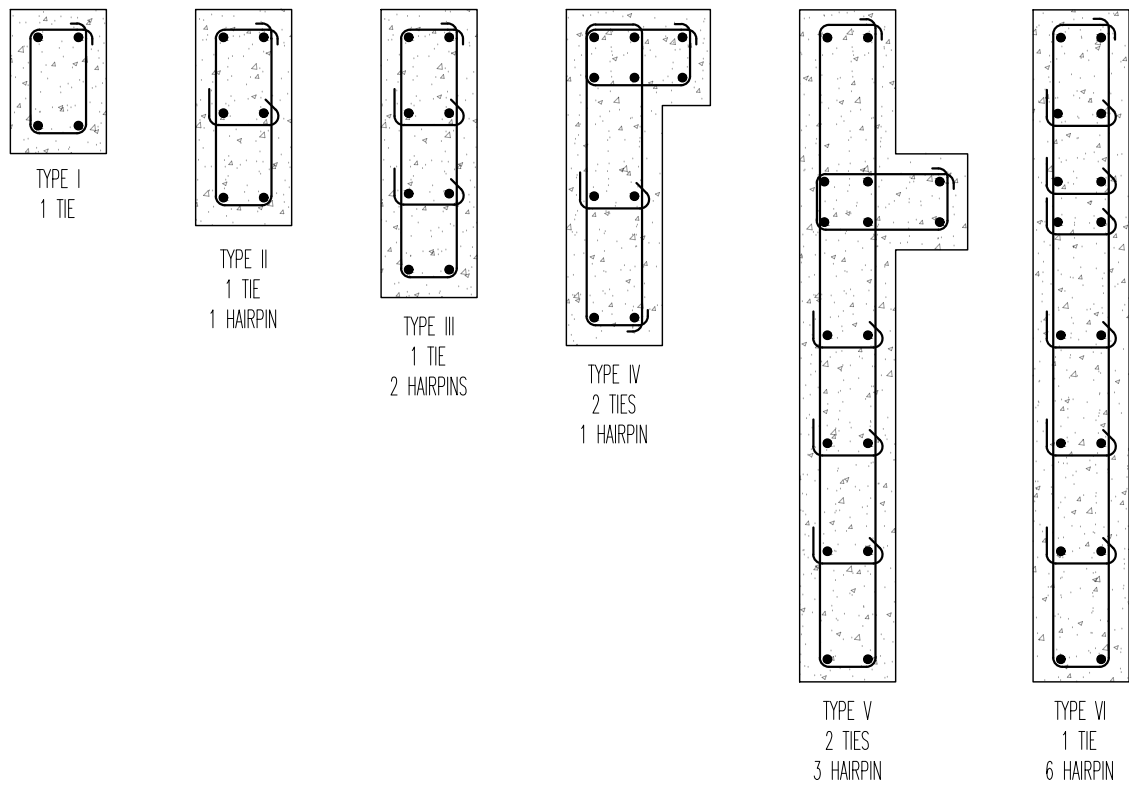




CONCRETE BEAM SCHEDULE												
BEAM MARK	T.O. BEAM ELEV.	SIZE (in) b x d	LONGITUDINAL REINFORCEMENT							No.	TRANSVERSE REINFORCEMENT QUANTITY FROM E.E. : BALANCE	REMARKS
			B	A	C	D	E	M				
2B-1	+12'-6"	8 x 30	2 #7	-	-	2 #7	-	-	1 #5	#3	Ø24" O.C.	-
2B-2	+12'-6"	8 x 60	2 #7	-	-	2 #7	-	-	2 #5	#3	Ø24" O.C.	-
2B-3	+12'-6"	8 x 30	2 #7	-	-	2 #7	-	-	-	#3	Ø12" O.C.	-
2B-4	+12'-6"	8 x 30	2 #7	-	-	2 #7	-	-	-	#3	Ø12" O.C.	-
2B-5	+12'-6"	1-BEAM	2 #6	-	-	SEE PLAN	-	-	-	#3	18 Ø3" BAL. Ø12" O.C.	BEAM STEM 8" x 30"
2B-5	+12'-6"	1-BEAM	2 #6	-	-	SEE PLAN	-	-	-	#3	Ø6" O.C.	BEAM STEM 8" x 30"
RB-1	+24'-4"	8 x 40	2 #6	-	-	2 #6	-	-	1 #5	#3	Ø24" O.C.	-
RB-2	+22'-11 1/2"	8 x 28	2 #7	-	-	2 #7	-	-	1 #5	#3	Ø12" O.C.	-
RB-3	+22'-7"	12 x 25	3 #7	-	-	3 #7	-	-	1 #7	#3	10 #3 Ø10" BAL. Ø 24" O.C.	-
RB-4	+24'-0"	8 x 42	2 #6	-	-	2 #6	-	-	1 #5	#3	Ø24" O.C.	-
CONCRETE TIE BEAM SCHEDULE												
TIB-1	+12'-6"	8 x 30	2 #6	-	-	-	-	-	-	#3	Ø48" O.C.; PROVIDE Ø12" O.C. OVER OPENINGS	-
TIB-1	+25'-6"	8 x 47	2 #6	-	-	2 #6	-	-	3 #5	#3	Ø48" O.C.; PROVIDE Ø12" O.C. OVER OPENINGS	-
TIB-2	+26'-0"	8 x 54	2 #6	-	-	2 #6	-	-	5 #5	#3	Ø48" O.C.; PROVIDE Ø12" O.C. OVER OPENINGS	-

TIE COLUMN SCHEDULE				
TIE COLUMN TAG	SIZE (in) b x h	VERTICAL REINF.	COLUMN TIES	FOUNDATION DOWNELS
TC-1	8 x 12	4 #5	#3 Ø 12" O.C.	4 #5
TC-2	8 x 14	4 #5	#3 Ø 12" O.C.	4 #5
TC-3	8 x 15	4 #5	#3 Ø 12" O.C.	4 #5
TC-4	SEE TYPE IV	10 #5	#3 Ø 12" O.C.	10 #5
TC-5	8 x 24	8 #5	#3 Ø 12" O.C.	8 #5

COLUMN SCHEDULE				
TIE COLUMN TAG	SIZE (in) b x h	VERTICAL REINF.	COLUMN TIES / TRANSVERSE REINF.	FOUNDATION DOWNELS
C-1	8 x 14	4 #5	#3 Ø 12" O.C.	4 #5
C-2	8 x 16	6 #5	#3 Ø 12" O.C.	6 #5
C-3	8 x 18	6 #5	#3 Ø 12" O.C.	6 #5
C-4	8 x 24	8 #5	#3 Ø 12" O.C.	8 #5
C-5	SEE TYPE V	10 #5	#3 Ø 12" O.C.	10 #5
C-6	8 x 56	16 #5	#3 Ø 12" O.C.	16 #5



COLUMN NOTES

- HARPINS ARE TO BE LOCATED AT THE SAME SPACING OF TRANSVERSE REINFORCEMENT, ALTERNATE 135 DEGREE HOOK VERTICALLY.

MASONRY LAP SPlice SCHEDULE	
BAR SIZE	LENGTH
#3	12"
#4	12"
#5	18"
#6	34"
#7	46"
#8	60"
#9	88"

MASONRY LAP SPlice SCHEDULE NOTES

- THE TABULATED VALUES WERE CALCULATED USING $f'm=2000$ PSI.
- TABULATED VALUES WERE DERIVED FROM TMS 402-16 FOR REINFORCEMENT $f_y=60$ KSI NOT CONFORMING TO SEISMIC PROVISIONS.
- NON CONTACT SPLICES ARE ACCEPTABLE IF SPACING IS ONE FIFTH OF THE REQUIRED SPlice LENGTH BUT NOT EXCEEDING 8'.

ANCHOR MARK	MANUFACTURER	CONNECTOR	FASTENERS		FLORIDA PRODUCT APPROVAL	ANCHOR CAPACITY (LBS)		REMARKS
			TO TRUSS/JOIST	TO SUPPORT		UPLIFT	GRAVITY	
A	SIMPSON	LQAM210-2 1	(8) 1/2" SIMPSON-STRONG DRIVE SDS	(8) 3/4" TITEN HD	FL# 13904	3575	9575	-
B	SIMPSON	META 12	(8) 104 x 1 1/2"	EMBEDDED	FL# 11473	1450	-	340

- THE DESIGN ASSUMPTION FOR FLAT TRUSSES IS THAT THE ELEMENTS ARE PLACED WITH THE WEAK AXIS HORIZONTAL (A 2x WILL LAY FLAT AT EACH CORN).

FOOTING TAG	SIZE Cont. x W x Th		REINFORCEMENT		REMARKS
	CONT.	Th (in)	CONT.	TRANSVERSE	
WF-1.5	1'-6"	12	2 #5	#4 Ø 9" O.C.	-
WF-2.5	2'-6"	12	3 #5	#4 Ø 9" O.C.	-
WF-3.5	3'-6"	12	4 #5	#4 Ø 9" O.C.	-

FOOTING TAG	SIZE L x W x Th		FOOTING REINFORCEMENT		REMARKS
	L	W	Th (in)	FOOTING REINFORCEMENT	
F-3.0	3'-0"	3'-0"	12	3 #5	3 #5
F-3.5	3'-6"	3'-6"	12	3 #5	3 #5
F-4.0	4'-0"	4'-0"	12	4 #5	4 #5
F-5.0	5'-0"	5'-0"	14	5 #5	5 #5
F-6.0	6'-0"	6'-0"	16	6 #6	6 #6

FOOTING NOTES

- LW INDICATES REINFORCEMENT LAD IN THE LONG DIMENSION OF THE FOOTING AND SW INDICATES REINFORCEMENT LAD IN THE SHORT DIRECTION OF THE FOOTING.

BAR SIZE	TENSION SPlice				COMPRESSION SPlice	
	TOP BARS	OTHERS	TOP BARS	OTHERS	TOP BARS	OTHERS
#3	26"	20"	23"	18"	20"	16"
#4	35"	27"	30"	23"	27"	21"
#5	43"	33"	37"	29"	34"	26"
#6	52"	40"	45"	35"	40"	31"
#7	75"	58"	65"	50"	60"	45"
#8	86"	66"	74"	57"	67"	51"
#9	98"	75"	84"	65"	75"	58"

LAP SPlice SCHEDULE NOTES

- THE TABULATED VALUES ARE FOR UNCOATED BARS. IF EPOXY OR ZINC COATED BARS ARE USED CONSULT WITH THE ENGINEER.
- TABULATED VALUES WERE DERIVED FROM ACI 318-14 FOR REINFORCEMENT $f_y=60$ KSI NOT CONFORMING TO SEISMIC PROVISIONS.
- THE TABULATED VALUES WERE DERIVED UNDER THE ASSUMPTION THAT MINIMUM CONCRETE COVER IS d_b AND MINIMUM CLEAR SPACING OF 2 d_b .

RAMOSMARTINEZarchitects

MIAMI
655 W. FLAGLER ST.
SUITE 205
MIAMI, FL 33130

REGISTRATION: A.A. 28000528
WEBSITE: www.mrmq.com
TELEPHONE: 305-548-3006

NEW YORK
11 ERIE STREET
2nd FLOOR
JERSEY CITY, NJ 07302

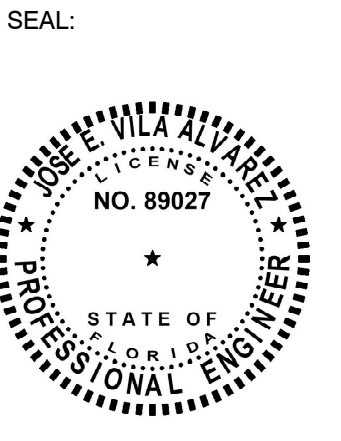
NEW RESIDENCE
FOR
ELIGES INVESTORS CONSTRUCTION
AT
9841 SW 73rd COURT
PINECREST, FLORIDA 33156

STRUCTURAL ENGINEER: JOSE E. VILA ALVAREZ, P.E. - 89027
VILA STRUCTURAL CONSULTING ENGINEERS
18701 SW 87th AVE.
MIAMI, FLORIDA 33157 786-537-1061

MECHANICAL ENGINEER: ORLANDO RANGEL, P.E. - 60020
5940 SW 57th STREET, MIAMI, FLORIDA 33155
TEL.: 786-547-3517

CIVIL ENGINEER: ANDRE D. MARTINEZ, P.E. - 85425
AM CIVIL ENGINEERS & PLANNERS
800 SW 21st STREET MIAMI, FLORIDA 33135
TEL.: 786-289-9414 amcu4005@gmail.com

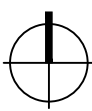
LANDSCAPE ARCHITECT: .



ENGINEER:
JOSE E. VILA ALVAREZ, PE
FL. NO. 89027

COPYRIGHT - 2021 - RAMOSMARTINEZarchitects, inc.
THE DESIGNS, IDEAS AND DETAIL INDICATED OR REPRESENTED BY THIS DRAWING, CREATED AND DEVELOPED FOR USE ON THIS PROJECT, ARE OWNED BY AND THE LEGAL PROPERTY OF RAMOSMARTINEZarchitects, inc.; USE, REPRODUCTION, DISTRIBUTION OR ALTERATION IS PROHIBITED WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT

KEY PLAN:



COMM. NO.: 22CB006
DATE: JANUARY, 2022
DRAWN BY: DG
CONTENT: JV

NO. REVISION: 1
DATE: 08/28/2022
REVISION: 2
DATE: 01/18/2023

SHEET NUMBER:

S-6.01

JOSE E. VILA ALVAREZ, PROFESSIONAL ENGINEER,
STATE OF FLORIDA, LICENSE No. 89027

THIS ITEM HAS BEEN DIGITALLY SIGNED BY JOSE E.
VILA ALVAREZ, PE, ON 01/23/2023

PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED AND THE
SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC
COPIES