FOOTING SCHEDULE

MARK	SIZE L x W x THICKNESS	REINFORCEMENT BOTTOM SHORT BARS	REINFORCEMENT BOTTOM LONG BARS	REINFORCEMENT TOP SHORT BARS	REINFORCEMENT TOP LONG BARS	REMARKS
WF-16	CONT. X 16" X 12"	#5@12"C/C	2 #5	——	——	PROVIDE 2 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-24	CONT. X 24" X 12"	#5@12"C/C	3 #5	——	——	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-30	CONT. X 30" X 12"	#5@12"C/C	3 #5	——	——	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-48	CONT. X 48" X 12"	#5@12"C/C	5 #5	——	——	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-48S	CONT. X 48" X 12"	#5@12"C/C	5 #5	#5@12"C/C	5 #5	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
MWF-24	CONT. X 24" X 12"	#5@12"C/C	3 #5	——	——	
F-40	4'-0" X 4'-0" X 12"	5 #5	5 #5	——	——	SEE TYPICAL DETAIL ON SHEET S-5
F-50	5'-0" X 5'-0" X 12"	6 #5	6 #5	——	——	SEE TYPICAL DETAIL ON SHEET S-5
F-60	6'-0" X 6'-0" X 12"	7 #5	7 #5	——	——	SEE TYPICAL DETAIL ON SHEET S-5
F-70	7'-0" X 7'-0" X 16"	8 #6	8 #6	——	——	SEE TYPICAL DETAIL ON SHEET S-5
F-106	10'-6" X 10'-6" X 18"	11 #7	11 #7	——	——	SEE TYPICAL DETAIL ON SHEET S-5
F-126	12'-6" X 12'-6" X 24"	13 #7	13 #7	——	——	SEE TYPICAL DETAIL ON SHEET S-5
F-240160	24'-0" X 16'-0" X 24"	25 #7	17 #7	25 #7	17 #7	SEE TYPICAL DETAIL ON SHEET S-5
TE	CONT. X 8" X 8"	——	1 #5	——	——	SEE TYPICAL DETAIL ON SHEET S-5
TE-1	CONT. X 12" X 12"	——	2 #5	——	——	SEE TYPICAL DETAIL ON SHEET S-5

NOTE:
1. TOP OF FOOTING ARE ELEV.=-2'-6" UNLESS NOTED OTHERWISE ON PLAN.

STEEL COLUMN SCHEDULE

MARK	SIZE	BOTTOM PLATE	TOP PLATE	REMARKS
HSS 1	HSS 8X8X1/2	PL16"X16"X1" W/ (4) 3/4"ø HEADED STUD, 8" LONG.	PL12"X8"X3/4" W/ (3) 3/4"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 2	HSS 6X6X5/8	PL10"X10"X3/4" W/ (4) 3/4"ø HEADED STUD, 8" LONG.	PL12"X8"X3/4" W/ (3) 3/4"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 3	HSS 8X4X5/8	PL12"X8"X3/4" W/ (3) 5/8"ø HEADED STUD, 8" LONG.	PL12"X8"X3/4" W/ (3) 5/8"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 4	HSS 10X10X5/8	PL16"X16"X1" W/ (4) 3/4"ø HEADED STUD, 8" LONG.	PL12"X8"X3/4" W/ (3) 3/4"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 5	HSS 6X4X3/8	PL12"X12"X3/4" W/ (3) 5/8"ø HEADED STUD, 8" LONG.	PL12"X8"X3/4" W/ (3) 5/8"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 6	HSS 6X6X5/8	PL12"X8"X3/4" W/ (3) 3/4"ø HEADED STUD, 8" LONG.	PL12"X8"X3/4" W/ (3) 3/4"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 7	HSS 6X6X5/8	PL10"X10"X3/4" W/ (4) 3/4"ø HEADED STUD, 8" LONG.	SEE DETAIL X3/4" W/ (3) 5/8"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 8	HSS 8X8X1/2	PL16"X16"X1" W/ (4) 3/4"ø HEADED STUD, 8" LONG.	SEE DETAIL X3/4" W/ (3) 3/4"ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5

NOTE:
1. ALL STEEL COLUMNS SHALL BE GROUT FILLET(5000 PSI) ALLOW. A 2"X2" OPENING ON CAP PLATE FOR GROUTING.
2. PROVIDE PRESSURE RELIEF HOLES AT BOTTOM, TOP AND MID-HEIGHT.

CONCRETE COLUMN SCHEDULE

MARK	SIZE	REINFORCEMENT VERTICAL	REINFORCEMENT CLOSED TIES	REMARKS
TC 1	8" X 12"	4 #5	#3 @ 8" C/C.	
TC 2	8" X 16"	6 #5	#3 @ 8" C/C.	
TC 3	8" X 24"	8 #5	#3 @ 8" C/C.	
TC 4	8" X 28"	8 #5	#3 @ 8" C/C.	
TC 5	8" X 34"	10 #5	#3 @ 8" C/C.	
TC 6	8" X 42"	8 #6	#3 @ 8" C/C.	
TC 7	8" X 44"	8 #6	#3 @ 8" C/C.	
TC 8	SEE DETAIL	6 #5	#3 @ 8" C/C.	
TC 9	SEE DETAIL	6 #5	#3 @ 8" C/C.	
TC 10	SEE DETAIL	12 #5	#3 @ 8" C/C.	
C-1	16"ø	8 #5	#3 @ 12" C/C.	
C-2	8" X 80"	16 #6	#3 @ 8" C/C.	

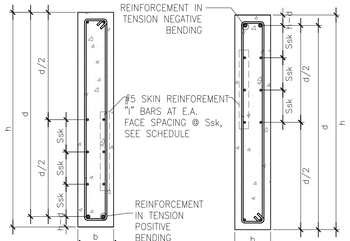
CONCRETE BEAM SCHEDULE

MARK	TOP ELEV.	SIZE W x H	REINFORCING "a"	"i"	"c"	"D"	"i" EA. FACE	TIES OR STIRRUP NO.	TYPE	SPACING EA END	REMARKS
RB-1	+25'-6"	8" X 24"	2 #6	2 #6			1 #5	#3		5 @8"C/C. FROM E.A. SUPPORT & BAL.@10"C/C.	
RB-2	+25'-6"	8" X 30"	2 #7* 2 #7	2 #7			2 #5	#3		12 @6"C/C. FROM E.A. SUPPORT & BAL.@12"C/C.	* IN SECOND LAYER
RB-3*	+26'-6"	12" X 42"	4 #8	4 #8			3 #5	#3		@ 12" C/C.	* UP-TURNED BEAM
RB-4	+25'-6"	8" X 20"	2 #8* 2 #8	2 #8				#3		24 @3"C/C. FROM E.A. SUPPORT & BAL.@8"C/C.	
RB-5	+25'-6"	8" X 18"	2 #7* 2 #7	2 #7				#3		@ 7" C/C.	* IN SECOND LAYER
RB-6	+25'-6"	8" X 18"	2 #7	2 #7				#3		@ 7" C/C.	
RB-7*	+26'-6"	16" X 42"	6 #8** 6 #8	6 #8			3 #5	#3		@ 12" C/C.	* UP-TURNED BEAM ** IN SECOND LAYER
RB-8	+14'-0"	8" X 20"	2 #6	2 #6				#3		@ 8" C/C.	
RB-9	+14'-0"	8" X 20"	2 #7	2 #7				#3		@ 8" C/C.	
2B-1	+8'-2"	8" X 20"	2 #6	2 #6				#3		@ 8" C/C.	
2B-2*	+15'-8"	8" X 28"	2 #6** 2 #6	2 #6			1 #5	#3		9 @6"C/C. FROM E.A. SUPPORT & BAL.@12"C/C.	* UP-TURNED BEAM ** IN SECOND LAYER
2B-3*	+14'-0"	12" X 36"	4 #8	4 #8			3 #5	#3		@ 4" C/C.	* SUPPORT OF 2B-2, BEAM DEPTH AT TERRACE PORTION 30" EXTEND TOP & SKIN REINF. CONT.
2B-4*	+14'-0"	12" X 48"	4 #8	4 #8** 4 #8			3 #5	#3		@ 3" C/C.	* SUPPORT OF 2B-3 ** IN SECOND LAYER
2B-5	+14'-0"	8" X 24"	2 #7	2 #7	2 #7*		1 #5	#3		21 @3"C/C. FROM E.A. SUPPORT & BAL.@10"C/C.	* IN SECOND LAYER
2B-6*	+14'-0"	16" X 30"	5 #8	5 #8** 5 #8			2 #5	#3		14 @7"C/C. FROM E.A. SUPPORT & BAL.@12"C/C.	* SUPPORT OF 2B-5 ** IN SECOND LAYER
2B-7*	+14'-0"	12" X 30"	2 #7** 3 #7	3 #7	2 #7**		2 #5	#3		29 @3"C/C. FROM E.A. SUPPORT & BAL. @10"C/C.	* BEAM DEPTH AT TERRACE PORTION 24" EXTEND TOP & SKIN REINF. CONT. ** IN SECOND LAYER
2B-8	+13'-6"	8" X 24"	2 #6	2 #6			1 #5	#3		8 @6"C/C. FROM E.A. SUPPORT & BAL.@10"C/C.	
2B-9	+13'-6"	8" X 24"	2 #6	2 #6			1 #5	#3		@ 10" C/C.	
2B-10	+13'-6"	16" X 24"	4 #8	4 #8			1 #5	#3		@ 10" C/C.	
2B-11	+13'-6"	16" X 24"	3 #6	3 #6			1 #5	#3		@ 10" C/C.	
2B-12	+13'-6"	8" X 24"	2 #7* 2 #7	2 #7			1 #5	#3		@ 10" C/C.	* IN SECOND LAYER
2B-13	+13'-6"	8" X 24"	2 #6	2 #6			1 #5	#3		@ 10" C/C.	
2B-14*	+14'-0"	12" X 30"	3 #7	3 #7	2 #7**		2 #5	#3		31 @2"C/C. FROM E.A. SUPPORT & BAL.@12"C/C.	* SUPPORT OF 2B-6 ** IN SECOND LAYER
2B-15	+14'-0"	8" X 24"	2 #6	2 #6			1 #5	#3		@ 10" C/C.	
2B-16*	+14'-0"	8" X 24"	2 #7	2 #7			1 #5	#3		@ 4" C/C.	* SUPPORT OF 2B-15
2B-17	+13'-9"	8" X 22"	2 #6	2 #6				#3		@ 8" C/C.	
2B-18	+14'-0"	8" X 24"	2 #7* 2 #7	2 #7			1 #5	#3		14 @4"C/C. FROM E.A. SUPPORT & BAL.@10"C/C.	* IN SECOND LAYER
2B-19	+14'-0"	8" X 24"	2 #7* 2 #7	2 #7			1 #5	#3		@ 6" C/C.	* IN SECOND LAYER
2B-20	+14'-0"	8" X 24"	2 #8* 2 #8	2 #8			1 #5	#3		5 @5"C/C. FROM E.A. SUPPORT & BAL.@10"C/C.	* IN SECOND LAYER
2B-21	+15'-0"	8" X 26"	2 #6	2 #6			1 #5	#3		@ 12" C/C.	
2B-22*	+14'-0"	8" X 24"	2 #8	2 #8** 2 #8				#3		@ 6" C/C.	* REINFORCEMENT TO BE CONTINUOUS INTO 2B-18 ALL LENGTH ** IN SECOND LAYER
2B-23	+13'-6"	12" X 20"	3 #8	2 #8* 3 #8				#3		@ 8" C/C.	* IN SECOND LAYER
RTB-1	+25'-6"	8" X 12"	2 #5	2 #5				#3		4 @ 12" @ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.
RTB-2	+14'-0"	8" X 12"	2 #5	2 #5				#3		4 @ 12" @ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.
RTB-3	+31'-0"	8" X 12"	2 #5	2 #5				#3		4 @ 12" @ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.
2TB-1	+14'-0"	8" X 12"	2 #5	2 #5				#3		4 @ 12" @ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.
2TB-2	+13'-9"	8" X 12"	2 #5	2 #5				#3		4 @ 12" @ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.
2TB-3	+13'-6"	8" X 12"	2 #5	2 #5				#3		4 @ 12" @ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.

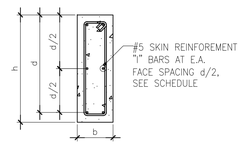
NOTE:
1.- TOP OF BEAMS ARE SHOWN FROM DATUM ELEV.=0'-0"=(14.90' NGVD).
2.- TIE BEAM DEPTH, AS SCHEDULED, IS MINIMUM. IT CAN BE INCREASED AS REQUIRED TO MATCH BLOCK COURSING, TO FOLLOW A SLOPE, TO FORM ARCHES, OR TO BE USED AS A LINTEL OR TO ACCOMODATE WINDOW & DOOR OPENINGS. REFER TO ARCH. DWG. FOR OPENING SIZES. PROVIDE 2 #5 BOTTOM (ADDTL) AND #3 @ 12" C/C STIRRUPS IF INCREASE IN DEPTH EXCEEDS 8". EXTEND DROP PORTION OF TIE BEAM MINIMUM 8" BEYOND FACE OF OPENING.

DEVELOPMENT LENGTH FOR DEFORMED BARS

BARS SIZE	f'c CONCRETE W/ Fy=60 KSI	DEVELOPMENT LENGTH STRAIGHT DEVELOPMENT TENSION	STRAIGHT DEVELOPMENT COMPRESSION	HOOKED DEVELOPMENT	SPLICE LENGTH CLASS A	SPLICE LENGTH CLASS B	SPLICE LENGTH COMPRESSION
#3	f'c= 3000 PSI	22"	9"	9"	22"	28"	12"
	f'c= 4000 PSI	19"	8"	8"	19"	25"	12"
	f'c= 5000 PSI	17"	8"	7"	17"	22"	12"
#4	f'c= 3000 PSI	29"	11"	11"	29"	38"	15"
	f'c= 4000 PSI	25"	10"	10"	25"	33"	15"
	f'c= 5000 PSI	23"	9"	9"	23"	29"	15"
#5	f'c= 3000 PSI	36"	14"	14"	36"	47"	19"
	f'c= 4000 PSI	31"	12"	12"	31"	41"	19"
	f'c= 5000 PSI	28"	12"	11"	28"	36"	19"
#6	f'c= 3000 PSI	43"	17"	17"	43"	56"	23"
	f'c= 4000 PSI	37"	15"	15"	37"	49"	23"
	f'c= 5000 PSI	34"	14"	13"	34"	44"	23"
#7	f'c= 3000 PSI	63"	20"	20"	63"	81"	27"
	f'c= 4000 PSI	54"	17"	17"	54"	71"	27"
	f'c= 5000 PSI	49"	12"	15"	49"	63"	27"
#8	f'c= 3000 PSI	72"	17"	22"	72"	93"	30"
	f'c= 4000 PSI	62"	19"	19"	70"	90"	30"
	f'c= 5000 PSI	56"	18"	17"	68"	88"	30"



TYP. SKIN REINFORCEMENT DETAIL FOR BEAMS WITH h>36"
SCALE:3/4"= 1'-0"



TYP. SKIN REINFORCEMENT DETAIL FOR BEAMS WITH h=24" TO 36"
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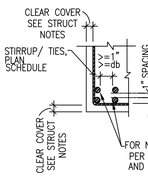
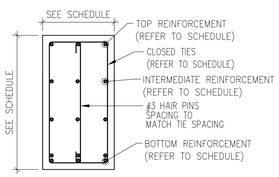


BAR PLACEMENT DETAIL IN CONCRETE MEMBERS IN TWO OR MORE LAYERS
SCALE: NOT SCALE



2B-3, 2B-7 & 2B-14 BARS DETAIL
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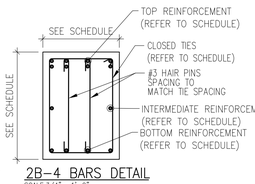

2B-4 BARS DETAIL
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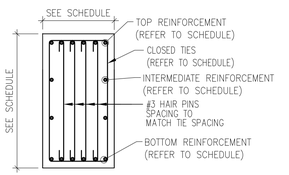
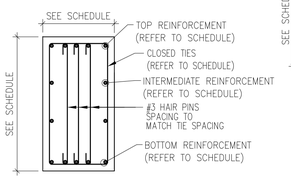


RB-7 BARS DETAIL
SCALE:3/4"= 1'-0"



2B-6 BARS DETAIL
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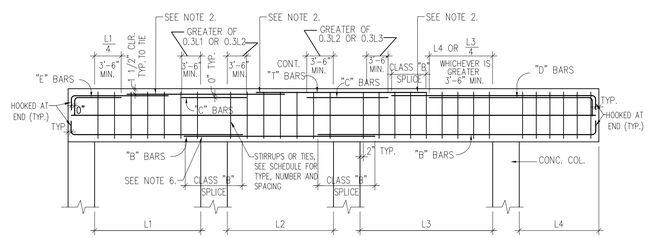
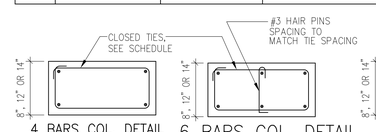


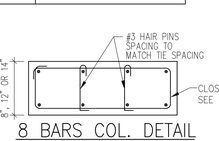
TYPICAL BEAM BAR PLACING DIAGRAM

NOTES:
1. PLACE A MAXIMUM OF 2 BARS PER LAYER IN 8"-WIDE BEAMS.
2. SPLICE TOP BARS AT MID SPAN SHALL BE CLASS "B" W/ 30 BAR DIAMETER LAP SPLICES.
3. SPLICE "i" BARS AT SUPPORTS W/ 30 BAR DIAMETER LAP SPLICES.
4. PLACE "c" BARS OVER RIGHT-HAND SUPPORT, UNLESS NOTED IN REMARKS.
5. "i" BARS AS SCHEDULED SHALL BE PLACED EACH SIDE OF BEAM.(SEE TYP. SKIN REINFORCEMENT DETAILS)
6. SPLICE BOTTOM BARS SHALL BE CLASS "B" AT SUPPORT W/30 BAR DIAMETER SPLICES.



4 BARS COL. DETAIL
SCALE:3/4"= 1'-0"

6 BARS COL. DETAIL
SCALE:3/4"= 1'-0"



8 BARS COL. DETAIL
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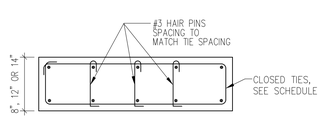

10 BARS COL. DETAIL
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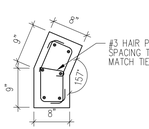
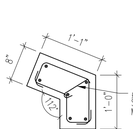
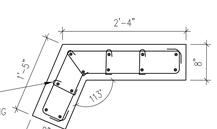


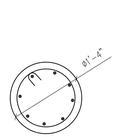
TC-8 BARS DETAIL
SCALE:3/4"= 1'-0"



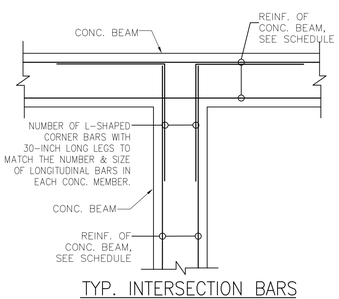
TC-9 BARS DETAIL
SCALE:3/4"= 1'-0"



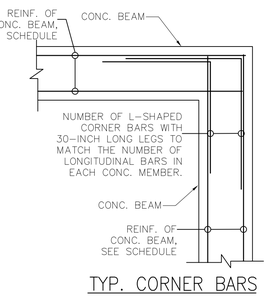
TC-10 BARS DETAIL
SCALE:3/4"= 1'-0"



C-1 BARS COL. DETAIL
SCALE:3/4"= 1'-0"



TYP. INTERSECTION BARS DETAIL BETWEEN BEAM
SCALE: 3/4" = 1'-0"



TYP. CORNER BARS DETAIL BETWEEN BEAM
SCALE: 3/4" = 1'-0"

ENGINEER INFORMATION

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Date: 2023.08.25 15:27:56 -04'00'

SEAL

REVISIONS

Rev.	Date	Description

FIDANZA'S FAMILY HOUSE
NEW CONSTRUCTION
11041 SW 77TH AVE, PINECREST, FL 33156

Corporation Licence #AA0003589

Architectural Seal

JORGE L VILLAVICENCIO NO. AR0012110

SCHEDULES & TYPICAL DETAILS

VILLA & ASSOCIATES INC.
ARCHITECTURE - PLANNING - INTERIOR DESIGN
5801 SW 69 AVENUE - MIAMI, FLORIDA 33155
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DATE: 10-20-2022
SCALE: AS SHOWN
PROJECT NO: Unnamed
DRAWING NO : S-4