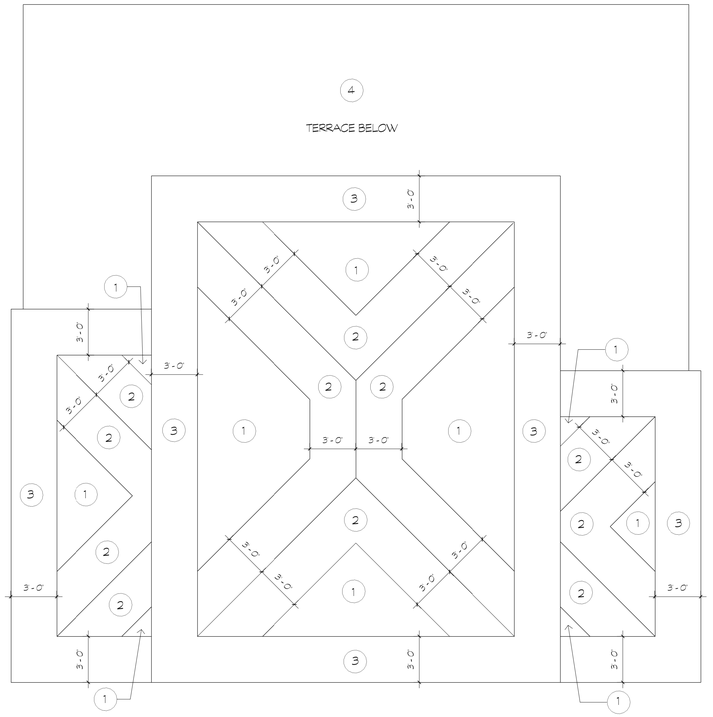
NET WIND LOAD PRESSURES FOR TRUSS DESIGN (ALLOWABLE STRESS DESIGN LOADS)		
ZONE	PRESSURE	
	JACK TRUSSES	ALL OTHER TRUSSES
(1)	-68 PSF	-38 PSF
(2)	-90 PSF	-56 PSF
(3)	-98 PSF	-59 PSF

WIND LOAD PRESSURES FOR ROOFING DESIGN (ALLOWABLE STRESS DESIGN LOADS)	
ZONE	PRESSURE
(1)	- 63 PSF
(2)	- 84 PSF
(3)	- 93 PSF
(4)	- 60 PSF

WIND LOAD PRESSURE FOR PANELS, WINDOWS, DOORS AND STOREFRONTS (POUNDS PER SQUARE FOOT) (ALLOWABLE STRESS DESIGN LOADS)				
AREA	ZONE (4)		ZONE (5)	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
10 ft.^{2} to 25 ft.^{2}	+ 41.3	- 44.9	+ 41.3	- 55.4
26 ft.^{2} to 50 ft.^{2}	+ 38.9	- 42.4	+ 38.9	- 50.4
51 ft.^{2} to 75 ft.^{2}	+ 37.0	- 40.5	+ 37.0	- 46.7
76 ft.^{2} to 100 ft.^{2}	+ 35.9	- 39.4	+ 35.9	- 44.5
101 ft.^{2} to 250 ft.^{2}	+ 35.1	- 38.7	+ 35.1	- 43.0
251 ft.^{2} to 500 ft.^{2}	+ 32.7	- 36.2	+ 32.7	- 38.1
501 ft.^{2} AND UP	+ 30.8	- 34.4	+ 30.8	- 34.4

NOTES:
1- ZONE (5) IS DEFINED AS ANY DOOR OR WINDOW WITHIN (3'-0") FROM ANY CORNER OF THE BUILDING. ALL OTHER LOCATIONS CAN BE DEFINED AS ZONE (4)

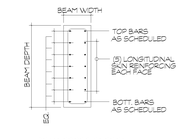
NOTE: FOR DESIGN, THE ABOVE WIND LOAD PRESSURES ARE TO BE USED WITH THE LOAD COMBINATIONS OF THE ASCE 7-16 BUILDING CODE, Kd = 0.85.



UPLIFT DIAGRAM

BEAM INTERMEDIATE REINFORCING SKIN REINFORCEMENT	
BEAM DEPTH	SKIN REINFORCEMENT
UP TO 36"	NONE
36" TO 48"	5-#3 EACH FACE
47" TO 54"	5-#4 EACH FACE
55" TO 62"	5-#5 EACH FACE
63" TO 72"	5-#6 EACH FACE

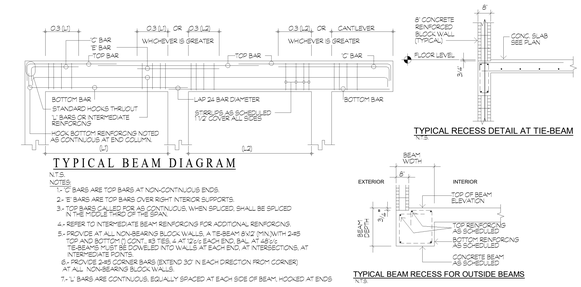
NOTES:
WHERE THE PROVISIONS FOR DEEP BEAMS REQUIRE MORE STEEL, THOSE PROVISIONS WILL GOVERN. REFERENCE ACI 318-02 (SECTION 10.6.7)



BEAM CROSS-SECTION
N.T.S.

LINTEL SCHEDULE

WIDTH	HEIGHT	CLEAR SPAN IN FEET	REINFORCING		REMARKS
			TOP	BOTTOM	
7 5/8	7 5/8	UP TO 7'-0"	2 #5	2 #5	#2 TIES @ 12" o/c
7 5/8	12	7'-0" TO 9'-0"	2 #5	2 #5	#2 TIES @ 12" o/c
7 5/8	12	9'-0" TO 12'-0"	2 #5	2 #5	#2 TIES @ 12" o/c



TYPICAL BEAM DIAGRAM
N.T.S.

NOTES:
1- "D" BARS ARE TOP BARS AT NON-CONTINUOS ENDS.
2- "E" BARS ARE TOP BARS OVER RIGHT INTERIOR SUPPORTS.
3- TOP BARS CALLED FOR AS CONTINUOS, WHEN SPLICED, SHALL BE SPLICED IN THE MIDDLE THIRD OF THE SPAN.
4- REFER TO INTERMEDIATE BEAM REINFORCING FOR ADDITIONAL REINFORCING.
5- PROVIDE AT ALL NONBEARING BLOCK WALLS: A TIE-BEAM 8"x12" WITH 2-#5 TOP AND BOTTOM (1 CONT. #3 TIES, 4 AT 2"o/c EACH END, BAL. AT 8"o/c) TIE-BEAMS MUST BE DOWELED INTO WALLS AT EACH END, AT INTERSECTIONS, AT INTERMEDIATE POINTS.
6- PROVIDE 2-#5 CORNER BARS (EXTEND 30" IN EACH DIRECTION FROM CORNER) AT ALL NON-BEARING BLOCK WALLS.
7- "L" BARS ARE CONTINUOS, EQUALLY SPACED AT EACH SIDE OF BEAM, HOOKED AT ENDS

TYPICAL RECESS DETAIL AT TIE-BEAM
N.T.S.

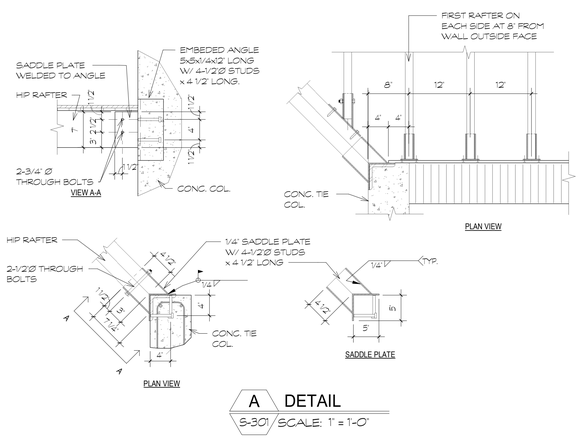
TYPICAL BEAM RECESS FOR OUTSIDE BEAMS
N.T.S.

TIE BEAM SCHEDULE

MARK	TOP OF BEAM ELEV	SIZE (IN.)	REINFORCEMENT					STIRRUPS		REMARKS
			B	T	C	E	L (E.F.)	No.	SPACING	
B-1	+ 8'-0"	24x12	4-#6	4-#6				3	6"o/c	EXTEND TOP REBAR 2'-6" INTO ADJACENT S. SLAB.
B-2	+ 9'-6"	8x24	2-#6	2-#6				3	12"o/c	
RTB-1	+ 10'-0"	8x12	2-#5	2-#5				3	12"o/c	
HRTB-1	+ 15'-0"	8x16	2-#5	2-#5				3	12"o/c	
HRTB-2	+ 15'-0"	8x12	2-#5	2-#5				3	12"o/c	
HRTB-3	+ 14'-2"	8x16	2-#5	2-#5				3	12"o/c	

PREFAB WOOD TRUSSES & GIRDERS CONNECTORS SCHEDULE

CONNECTION TYPE	CONNECTOR BY SIMPSON UNLESS OTHERWISE NOTED	CONNECTOR ALLOWABLE LOAD VALUES			NAIL SIZE & QUANTITY	FLORIDA APPROVAL	REMARKS
		UPLIFT	LATERAL LOAD PARALLEL TO WALL	LATERAL LOAD PERPENDICULAR TO WALL			
(A)	DETA-20	2480 LBS	2000 LBS	370 LBS	(18)10"x 1-1/2 NAILS	FL 7473	
(B)	H3AM10KTA	850 LBS	1005 LBS	705 LBS	(4) SDS 1/4" x 1-1/2	FL 7473	PROVIDE ON EACH SIDE OF ALL PLY MEMBERS
(C)	FSTR	5000 LBS	----	----	(18) 1/4" x 3" SDS	FL 7473	
(D)	SADDLE PLATE	----	----	----	----	----	SEE DET. J/S-303
(E)	SADDLE PLATE	----	----	----	----	----	SEE SECTION 2/S-303
(F)	SADDLE PLATE	----	----	----	----	----	SEE DET. A/S-301
(G)	SADDLE PLATE	----	----	----	----	----	SEE DET. E/S-303



A DETAIL
S-301 SCALE: 1" = 1'-0"

PROJECT LEAD & CIVIL ENGINEERING:
KEITH
301 EAST ATLANTIC BLVD.
POMPANO BEACH, FL 33060
PH: (954) 788-3400
Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

LANDSCAPE ARCHITECT:
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LAKE MARY, FL 32746
407.871.9607
MKSKSTUDIOS.COM

ARCHITECT:
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815 NORTHWEST 57 AVE. SUITE 219
MIAMI, FLORIDA 33126
727-822-5566
W.JARC.COM AA0002277

MECHANICAL, PLUMBING, & ELECTRICAL ENGINEERING:
SGM ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

REVISIONS

NO.	DESCRIPTION	DATE
	ISSUED FOR BUILDING PERMIT	11/21/2024

ISSUE DATE:	11/21/2024
DESIGNED BY:	D.D.A.
DRAWN BY:	D.D.A.
CHECKED BY:	D.D.A.

Aida M Albaisa
Digitally signed by Aida M. Albaisa
DN: CN=Aida M Albaisa, O=DDA ENGINEERS, P.A., OU=7573863854500465, E=DDA Engineers, P.A., C=US
Reason: I am the author of this document
Date: 2024.11.21 13:46:29-05'00'

ENGINEER OF RECORD:
AIDA M. ALBAISA
P.E. No 45130

CLIENT
VILLAGE OF PINECREST
PINECREST PARKS & RECREATION

PROJECT
GARY MATZNER PARK

SHEET TITLE
SCHEDULES AND DETAILS

DDA ENGINEERS, P.A.
4930 S.W. 74TH Court
Miami, Florida, 33155
Phone: (305)666-0711
Fax:(305)666-5259

JOB No. 2024-70-A

SHEET NUMBER	S-301
KEITH PROJECT NUMBER	13861.00

STATUS: CONSTRUCTION DOCUMENTS

Drawing name: P:\2024\2024-70-A\ARCH\2024-70-A00 GARY MATZNER PARK\RVT\2024-70-A00-ARCHITECTURE\ARCH-11-19-2024 T.BWR-GMP-TTL.BK - Standard\XR-GMP-TTL.BK.dwg

Plotted by: dda047 On ----