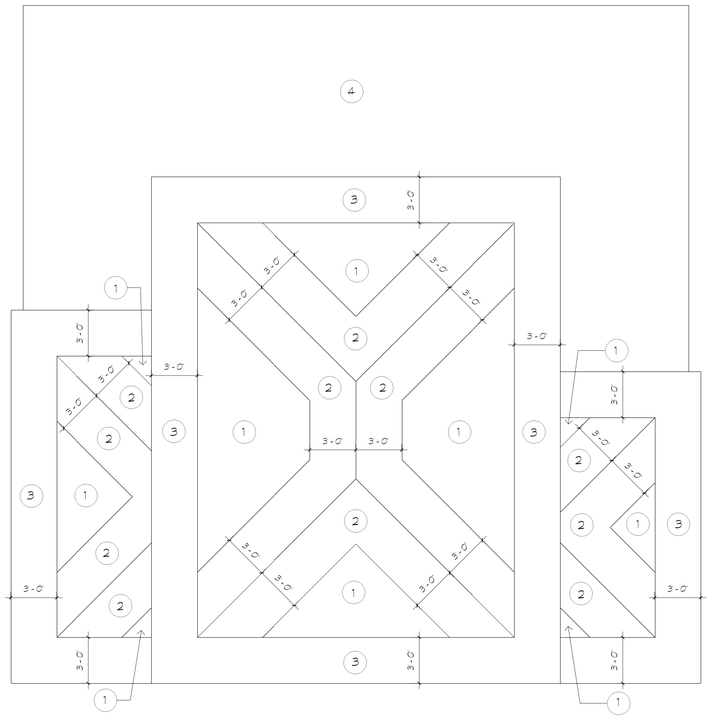
NET WIND LOAD PRESSURES FOR TRUSS DESIGN (ALLOWABLE STRESS DESIGN LOADS)		
ZONE	PRESSURE	
	JACK TRUSSES	ALL OTHER TRUSSES
(1)	-68 PSF	-38 PSF
(2)	-90 PSF	-56 PSF
(3)	-98 PSF	-59 PSF

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)

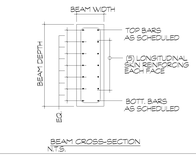
NOTE: FOR DESIGN, THE ABOVE WIND LOAD PRESSURES ARE TO BE USED WITH THE LOAD COMBINATIONS OF THE ASCE 7-16 BUILDING CODE, Kd = 0.85.



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

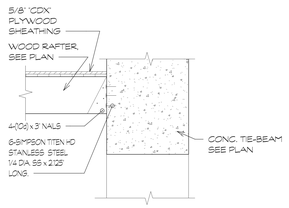
NOTES:
WHERE THE PROVISIONS FOR DEEP BEAMS REQUIRE MORE STEEL, THOSE PROVISIONS WILL GOVERN. REFERENCE ACI 318-02 (SECTION 10.6.7)



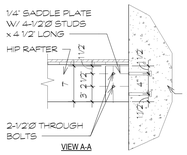
BEAM CROSS-SECTION
N.T.S.

LINTEL SCHEDULE

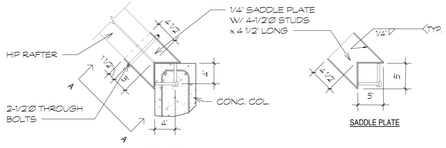
WIDTH	HEIGHT	CLEAR SPAN IN FEET	REINFORCING		REMARKS
			TOP	BOTTOM	
7 5/8	7 5/8	UP TO 7'-0"	2 #5	2 #5	#2 TIES @ 12" o/c
7 5/8	12	7'-0" TO 9'-0"	2 #5	2 #5	#2 TIES @ 12" o/c
7 5/8	12	9'-0" TO 12'-0"	2 #5	2 #5	#2 TIES @ 12" o/c



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



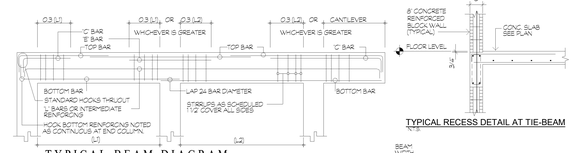
VIEW A-A



PLAN VIEW

B DETAIL
S-301 / SCALE: 1" = 1'-0"

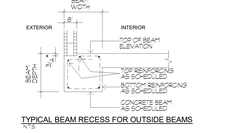
PREFAB WOOD TRUSSES & GIRDERS CONNECTORS SCHEDULE						
CONNECTION TYPE	CONNECTOR BY SIMPSON/ UNLESS OTHERWISE NOTED	CONNECTOR ALLOWABLE LOAD VALUES			NAIL SIZE & QUANTITY	FLORIDA APPROVAL	REMARKS
		UPLIFT	LATERAL LOAD PARALLEL TO WALL	LATERAL LOAD PERPENDICULAR TO WALL			
(A)	DETA-20	2480 LBS	2000 LBS	1370 LBS	(8)-10d x 1-1/2 NAILS	FL 1473	
(B)	H2A+MOLTA	850 LBS	1005 LBS	705 LBS	(4) SDS 1/4 x 1-1/2	FL 1473	PROVIDE ON EACH SIDE AT ALL TYPLY TRUSSES
(C)	FSTR	5000 LBS	----	----	(18) 1/4 x 3" SDS	FL 1473	
(D)	LUS 28	1165 LBS	----	----	SEE DET. A/S-301	FL 1053	
(E)	SADDLE PLATE	----	----	----	----	----	SEE DET. M/S-302
(F)	SADDLE PLATE	----	----	----	----	----	SEE DET. B/S-301
(G)	SADDLE PLATE	----	----	----	----	----	SEE DET. L/S-302



TYPICAL BEAM DIAGRAM

N.T.S.
NOTES:
1- 'C' BARS ARE TOP BARS AT NON-CONTINUOUS ENDS.
2- 'E' BARS ARE TOP BARS OVER RIGHT INTERIOR SUPPORTS.
3- TOP BARS CALLED FOR AS CONTINUOUS, 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 NON-BEARING BLOCK WALLS A TIE-BEAM 8x12 7#5 WITH 2-#5 TOP AND BOTTOM IN CONT., #3 TIES, @ AT 12" o/c EACH END, BAL. AT 48" 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 CONTINUOUS, 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"	12x24	4-#6	4-#6				3	6"o/c	EXTEND TOP REBAR 2'-6" INTO ADJACENT E 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	

PROJECT LEAD & CIVIL ENGINEERING:
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301 EAST ATLANTIC BLVD.
POMPANO BEACH, FL 33060
PH: (954) 788-3400
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MECHANICAL, PLUMBING, & ELECTRICAL ENGINEERING:
SGM ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

REVISIONS

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION
THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS. RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:

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

SHEET NUMBER S-301

KEITH PROJECT NUMBER 13861.00

90% CONSTRUCTION DOCUMENTS (10-18-2024)

DDA ENGINEERS, P.A.
4930 S.W. 74TH Court
Miami, Florida, 33155
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Drawing name: P:\2347 Gary Matzner Park\06 PRODUCTION\01 BIM\CAD LUKS\2024.6522 - Clean Title Block\XR-GMP-TTLBK.dwg

Plotted by: diego On —

STATUS: PRELIMINARY