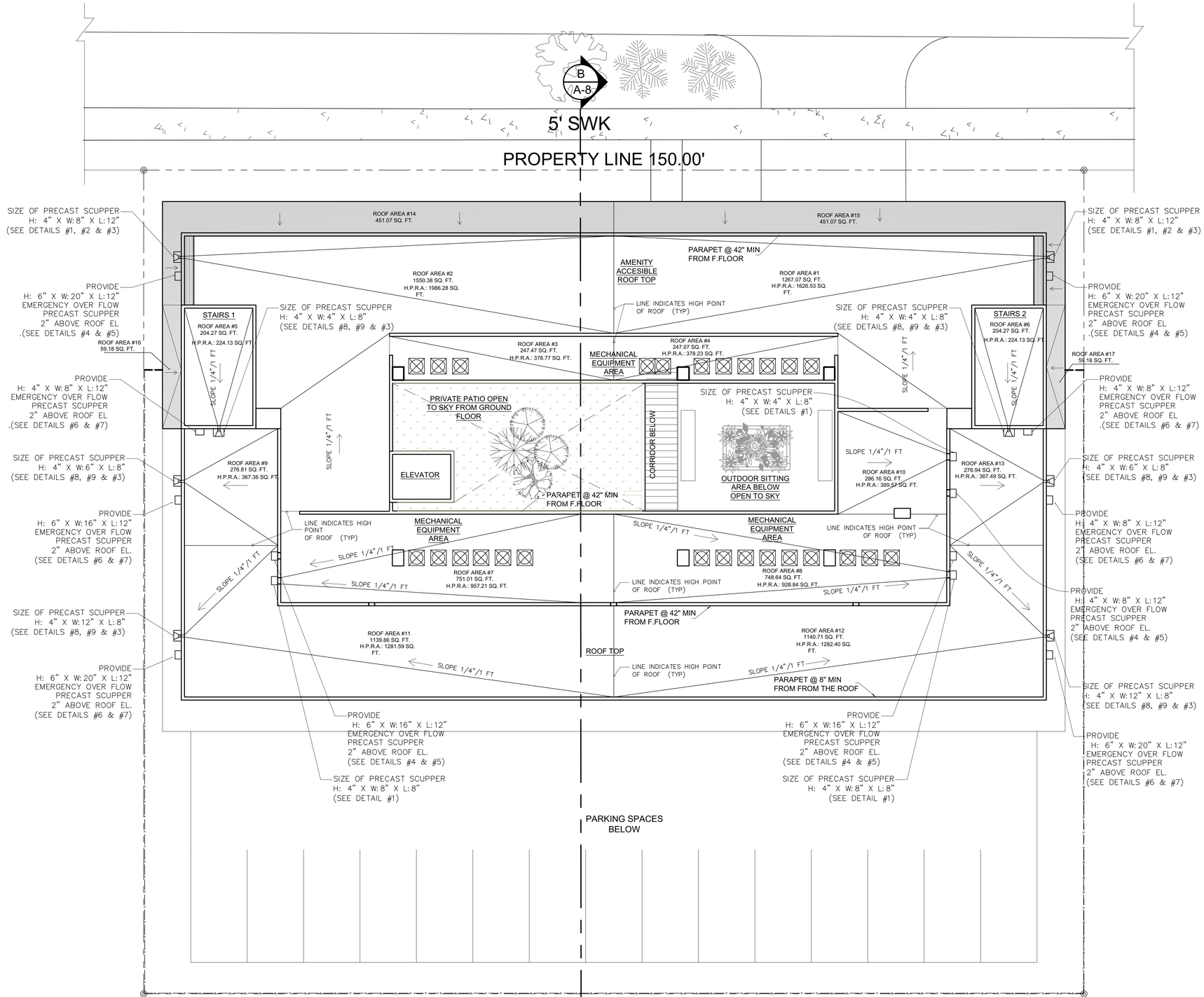

PROPOSED ROOF FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTE:
ELECTRICAL CONDUIT, MECHANICAL PIPE OR ANY OTHER SERVICE LINES RUNNING ON THE ROOF SHALL BE RAISED NOT LESS THAN 8 INCHES (203 MM ABOVE THE FINISHED ROOF SURFACE. IN COMPLIANCE FBC–1522.3.4

LEGEND

- RIDGE LINES
- WATER FLOWS
- VENT

ROOF DRAIN CALCULATION:

1. SIZE OF SCUPPERS TABLE 1106.7 FOR 5 INC/H; COMPLY WITH FBC/P SECTION1106; FBC/P SECTION 1108; 1106.3 AND FBC/B 1503.4
2. FROM TABLE 1106.2 SIZE OF VERTICAL DRAINAGE
3. PRA=PROJECTED ROOF AREA=ROOF AREA + 0.5 (VERTICAL AREA)

ROOF AREA & H.P.R.A.			
ROOF	AREA (sq. ft.)	0.5 PARAPET VERTICAL AREA (sq. ft.)	P.R.A. (sq. ft.)
ROOF #1	1267.07	359.46	1626.53
ROOF #2	1550.38	435.90	1986.28
ROOF #3	247.47	131.30	378.77
ROOF #4	247.07	131.16	378.23
ROOF #5	204.27	19.86	224.13
ROOF #6	204.27	19.86	224.13
ROOF #7	751.01	206.20	957.21
ROOF #8	748.64	180.20	928.84
ROOF #9	276.81	90.55	367.36
ROOF #10	286.16	83.41	369.57
ROOF #11	1139.86	141.73	1281.59
ROOF #12	1140.71	141.69	1282.40
ROOF #13	276.94	90.55	367.49

VERTICAL AREA ROOF #1

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
68.50	3.50	119.88
11.01	3.50	19.27
11.41	8.00	45.64
35.74	3.50	62.55
4.06	3.50	7.10
4.01	3.50	7.02
14.40	3.50	25.20
3.96	3.50	6.93
16.47	8.00	65.88
TOTAL VERTICAL AREA X 0.50		359.46

VERTICAL AREA ROOF #2

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
68.50	3.50	119.88
11.01	3.50	19.27
11.41	8.00	45.64
35.79	3.50	62.63
4.49	3.50	7.86
10.83	3.50	18.95
8.16	8.00	32.64
1.41	3.50	2.47
14.34	3.50	25.10
16.38	3.50	28.67
3.96	3.50	6.93
16.47	8.00	65.88
TOTAL VERTICAL AREA X 0.50		435.90

VERTICAL AREA ROOF #3

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
35.79	3.50	62.63
3.97	3.50	6.95
35.27	3.50	61.72
TOTAL VERTICAL AREA X 0.50		131.30

VERTICAL AREA ROOF #4

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
35.74	3.50	62.55
3.97	3.50	6.95
35.24	3.50	61.67
TOTAL VERTICAL AREA X 0.50		131.16

VERTICAL AREA ROOF #5

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
10.91	0.67	3.65
10.91	0.67	3.65
18.73	0.67	6.27
18.73	0.67	6.27
TOTAL VERTICAL AREA X 0.50		19.86

VERTICAL AREA ROOF #6

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
10.91	0.67	3.65
10.91	0.67	3.65
18.73	0.67	6.27
18.73	0.67	6.27
TOTAL VERTICAL AREA X 0.50		19.86

VERTICAL AREA ROOF #7

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
50.12	3.50	87.71
14.58	3.50	25.52
53.13	3.50	92.98
TOTAL VERTICAL AREA X 0.50		206.20

VERTICAL AREA ROOF #8

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
35.74	3.50	62.55
53.12	3.50	92.96
14.11	3.50	24.69
TOTAL VERTICAL AREA X 0.50		180.20

VERTICAL AREA ROOF #9

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
11.41	8.00	45.64
3.49	3.50	6.11
18.61	3.50	32.57
18.61	0.67	6.23
TOTAL VERTICAL AREA X 0.50		90.55

VERTICAL AREA ROOF #10

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
16.38	3.50	28.67
14.40	3.50	25.20
16.88	3.50	29.54
TOTAL VERTICAL AREA X 0.50		83.41

VERTICAL AREA ROOF #11

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
53.63	3.50	93.85
9.62	3.50	16.84
24.17	0.67	8.10
68.50	0.67	22.95
TOTAL VERTICAL AREA X 0.50		141.73

VERTICAL AREA #12

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
53.60	3.50	93.80
9.62	3.50	16.84
24.20	0.67	8.11
68.50	0.67	22.95
TOTAL VERTICAL AREA X 0.50		141.69

VERTICAL AREA ROOF #13

PARAPET LENGTH (ft)	PARAPET HIGHT (ft)	0.50 VERTICAL AREA (sq. ft.)
11.41	8.00	45.64
3.49	3.50	6.11
18.61	3.50	32.57
18.61	0.67	6.23
TOTAL VERTICAL AREA X 0.50		90.55

TABLE #1
STORN DRAINAGE

ROOF	H.P.R.A. (SQ. FT.)	RATE OF RAIN FALL (INCH/HOUR)	Q. RAIN WATER FLOW (G.P.M.)
ROOF #1	1626.53	5	84.50
ROOF #2	1986.28	5	103.19
ROOF #3	378.77	5	19.68
ROOF #4	378.23	5	19.64
ROOF #5	224.13	5	11.64
ROOF #6	224.13	5	11.64
ROOF #7	957.21	5	49.73
ROOF #8	928.84	5	48.25
ROOF #9	367.36	5	19.08
ROOF #10	369.57	5	19.20
ROOF #11	1281.59	5	66.58
ROOF #12	1282.40	5	66.62
ROOF #13	367.49	5	19.09

TABLE #2
STORN DRAINAGE

ROOF	ROOF AREA (SQ. FT.)	RATE OF RAIN FALL (INCH/HOUR)	Q. RAIN WATER FLOW (G.P.M.)
ROOF #14	451.07	5	23.43
ROOF #15	451.07	5	23.43
ROOF #16	59.18	5	3.07
ROOF #17	59.18	5	3.07

NOTE:
SEE DETAILS ON SHEET P–103

324 HOUS
MIXED USE / NEW BUILDING

CLIENT:

PROJECT LOCATION: 324 NW 6TH STREET POMPANO BEACH, FL 33060

SEAL

FERNANDO E MARQUEZ

Digitally signed by FERNANDO E MARQUEZ
Date: 2023.02.07 08:48:55 -05'00'

No. 73987
STATE OF FLORIDA
PROFESSIONAL ENGINEER

904 ENGINEERING
LIC No. 73987
12095 NW 44 STREET
SUNRISE FL 33323
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REVISIONS

No	DATE	BY

DESCRIPTION

Date:

JANUARY 2023

DRAW BY:

MYB

SHEET NO.

P-102

DRC
PZ22-12000032
07/19/2023