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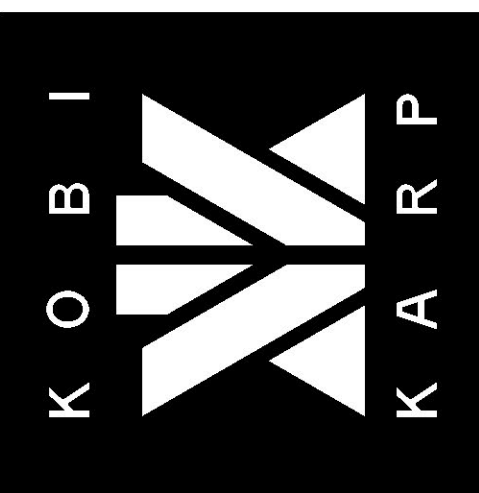
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PLYMOUTH
336 21ST STREET
MIAMI BEACH, FL 33139

LEVEL 5
PROPOSED ROOF PLAN

Lic. # AR0012578

ARCHITECTURE
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A.303

2010 FLORIDA BUILDING CODE, PLUMBING
CHAPTER 11 STORM DRAINAGE
SECTION 1106
1106.7 SCUPPER SIZING.
SCUPPERS SHALL BE SIZED IN ACCORDANCE WITH TABLE 1106.7.

TABLE 1106.7
SIZING SCUPPERS FOR A 5 INCH PER HOUR RATE OF RAINFALL

HEAD IN INCHES	HORIZONTALLY PROJECTED ROOF AREA (SQUARE FEET)								
	LENGTH OF WEIR IN INCHES								
	4	6	8	12	16	20	24		
1	230	346	461	692	923	1153	1384		
2	641	961	1282	1923	2564	3205	3846		
3	1153	1730	2307	3461	4615	5769	6923		
4	1794	2692	3589	5384	7179	8974	10769		

NOTE:
TO ADJUST THIS TABLE FOR OTHER THAN A 5-INCH DESIGN RAIN FALL RATE, MULTIPLY THE SQUARE FOOTAGE ON THE TABLE BY 5 THEN DIVIDE BY THE LOCAL DESIGN RAIN FALL RATE.
EXAMPLE:
FOR 4 INCHES OF DESIGN RAINFALL RATE, A 4-INCH LONG SCUPPER WITH A 1 INCH HEAD WOULD ACCOMMODATE 287 SQUARE FEET. $(230 \times 5) \div 4 = 287$.

1 STORM DRAINAGE ROOF CALCULATIONS:

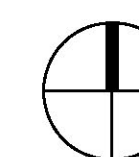
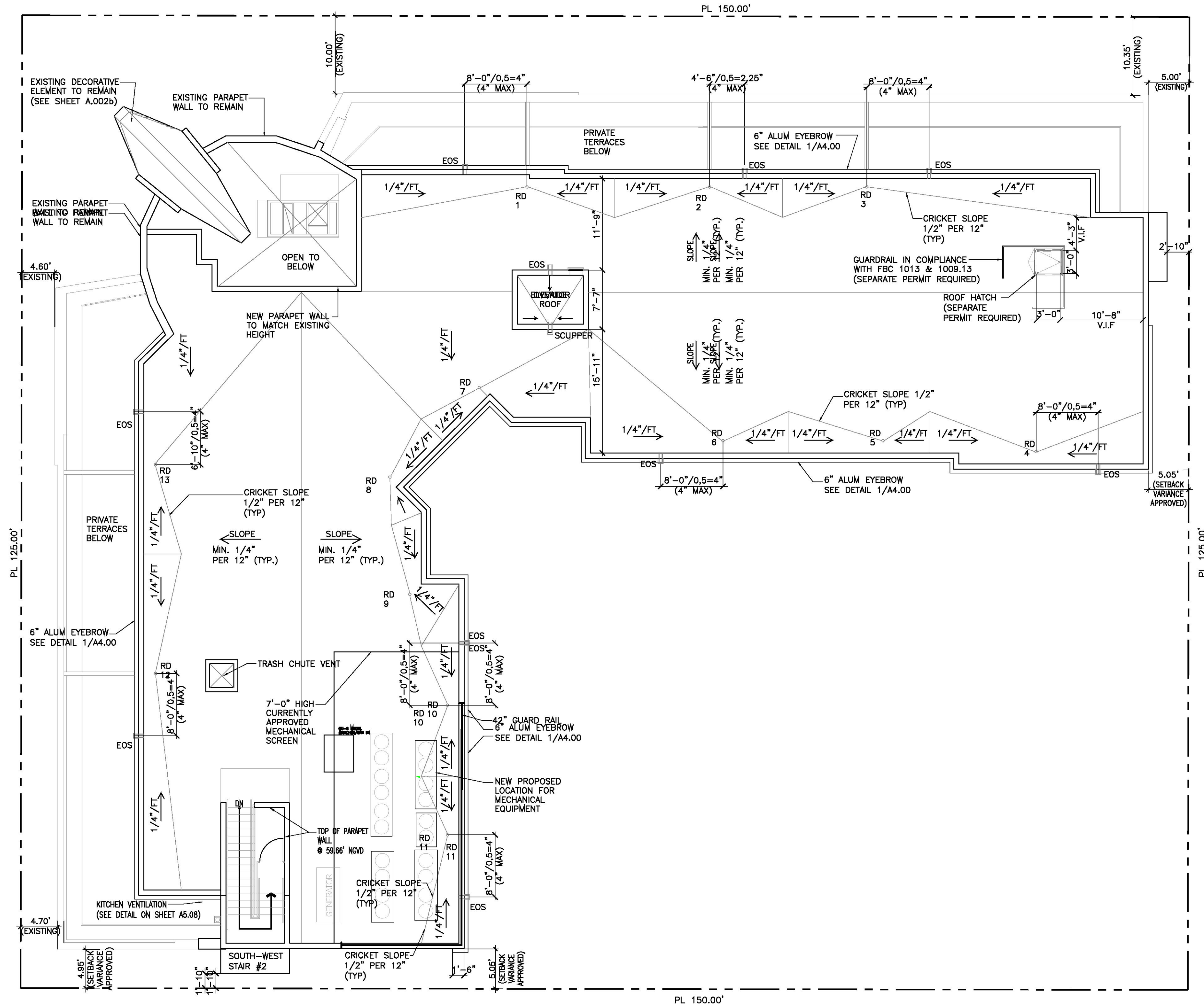
BUILDING - ROOF AREA: 6,460 SF
RAINFALL RATE (IN/HR) PER 2010 FLORIDA BUILDING CODE, PLUMBING FIGURE 1106.1: 6 INCHES
SCUPPERS TO BE USED: 8" (L) X 4" (H)
 $(3,589 \times 5) \div 6 = 2,990$ SF
 $6,460 \text{ SF} \div 2,990 \text{ SF} = \{3\}$ SCUPPERS REQUIRED
(9) SCUPPERS PROVIDED

KEY LEGEND:

WS = 4" HIGH X 8" WIDE WORKING
SCUPPER SET FLUSH W/LP.
RD = ROOF DRAIN. REFER TO
PLUMBING DWGS. FOR SIZE.
EOS = 4" HIGH X 8" WIDE EMERGENCY
OVERFLOW SCUPPER SET 4" ABOVE RD
OR WS.
LP = LOW POINT OF ROOF
HP = HIGH POINT OF ROOF

ROOF NOTES:

ALL NEW ROOFING SYSTEM WILL
REQUIRE SEPARATE PERMIT AS PER
FBC-2010 SECTION 107.3.5



LEVEL 5 - CURRENTLY APPROVED ROOF PLAN

SCALE:

1/8"=1'-0"