

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 X 5) ÷ 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)  
 $(3,589 \times 5) / 6 = 2,990 \text{ SF}$   
 $6,460 \text{ SF} / 2,990 \text{ SF} = (3) \text{ SCUPPERS REQUIRED}$   
(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.

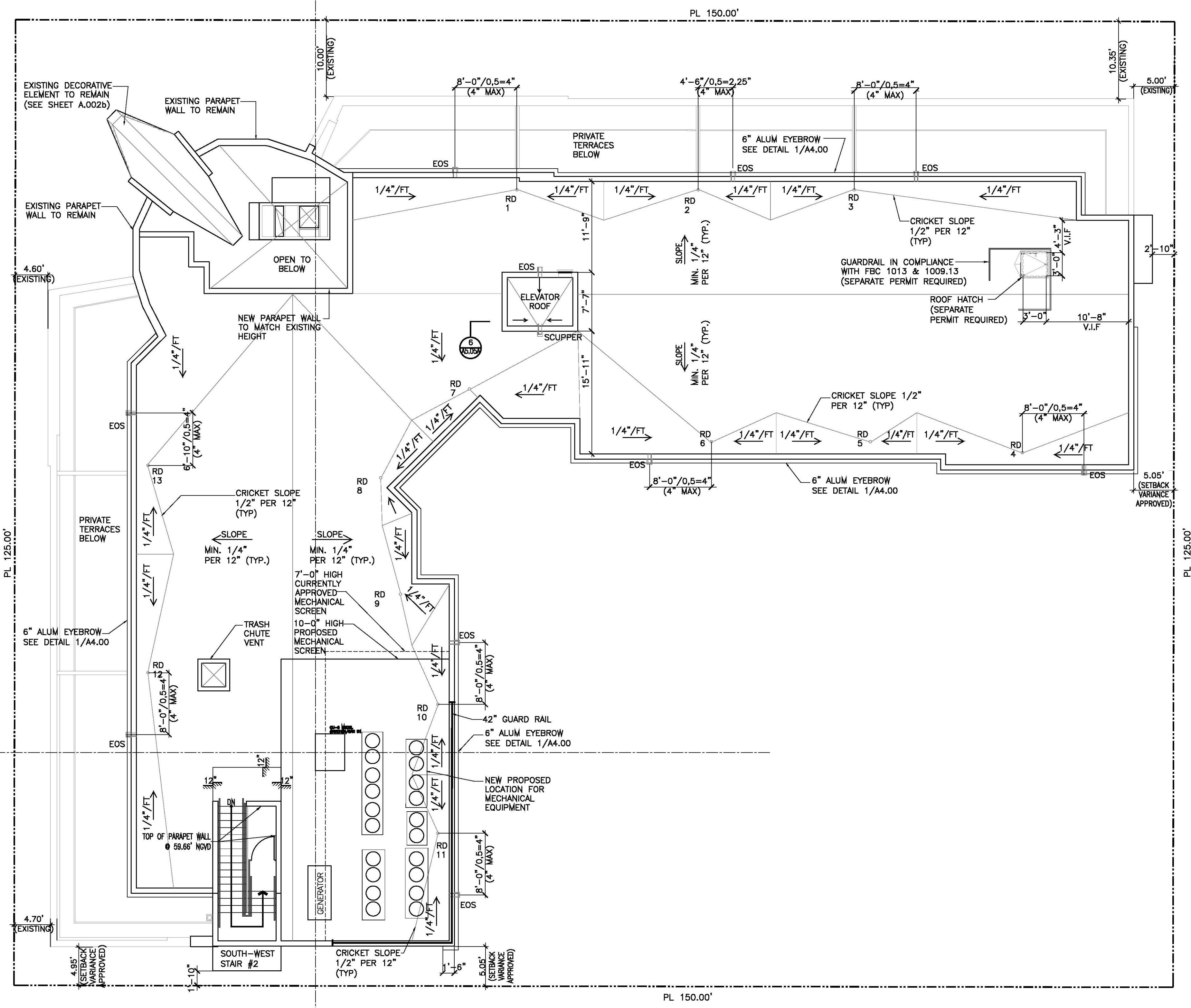
EOS = 4" HIGH x 8" WIDE EMERGENCY OVERFLOW SCUPPER SET 4" ABOVE RD OR WS.

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 - PROPOSED ROOF FLOOR PLAN

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

REVISIONS / SUBMISSIONS

|    |  |
|----|--|
| 1  |  |
| 2  |  |
| 3  |  |
| 4  |  |
| 5  |  |
| 6  |  |
| 7  |  |
| 8  |  |
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| 10 |  |
| 11 |  |
| 12 |  |

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LEVEL 5  
PROPOSED FLOOR PLAN

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A3.05