



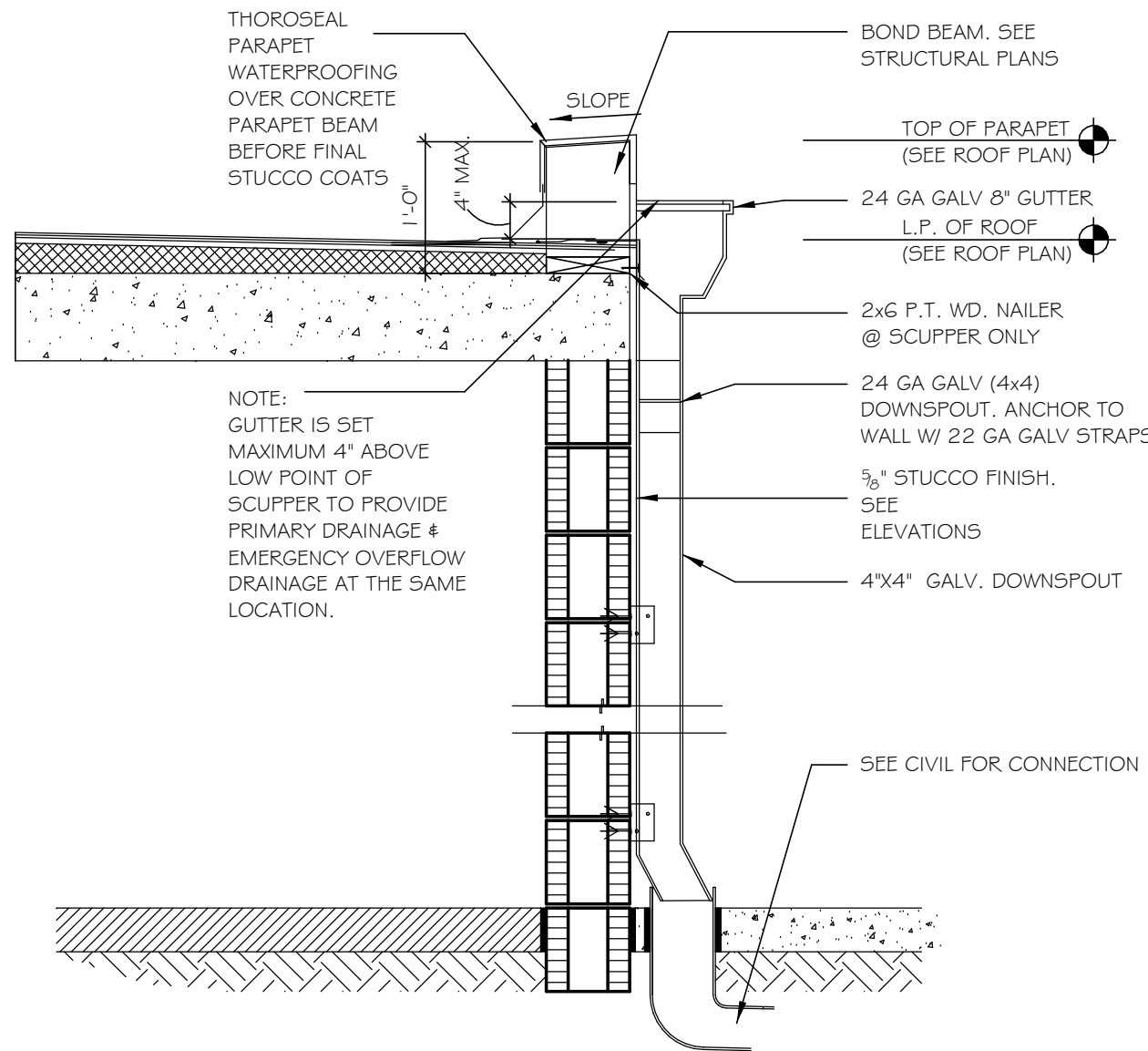
ROOF DRAIN - Z199 - DOWNSPOUT NOZZLE



Z187 6" x 7" or 8" x 12" Oblique Scupper Drain



MAIN ROOF DRAIN - Z100 15" DIAMETER



ROOF CODE COMPLIANCE NOTE:  
THE SPECIFIED ROOF SYSTEM ASSEMBLY, ROOFTOP STRUCTURES AND EQUIPMENT SHALL BE IN FULL COMPLIANCE WITH ALL SECTIONS AND AMMENDENTS OF CHAPTER 15 OF THE FLORIDA BUILDING CODE (LATEST APPROVED EDITION WITH UPDATES).

ROOF NOTE:  
GAF TPL ROOF SYSTEM FOR CONCRETE DECKS.  
NOA NO.:

CONSULTANT  
STATE OF FLORIDA  
REGISTERED ARCHITECT  
Gregory b. Molina  
FL REG. # AR93354  
DATE: 07-15-25  
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DRC SUBMITTAL  
RISING TIDE  
2901 W ATLANTIC BOULEVARD  
POMPANO BEACH FL 33069

DRAWING ISSUE DATES:

ROOF PLAN

SHEET  
A-2.4  
PROJECT 250225  
DATE 07-15-25  
PERMIT NO.

CALCULATION BASED ON 2020 FLORIDA PLUMBING CODE SECTION 1106

RAINFALL RATE  
PER F.B.C., PLUMBING, FIGURE 1106.1 = 5" PER HOUR

ROOF 01 RWL CALCULATIONS REQ.:  
AREA = 2709  
(2709 SQ / FT / 100) X 5.2 = 141 GPM REQ.

VERTICAL LEADER  
PER F.B.C., PLUMBING, TABLE 1106.3  
RWL SIZE PROVIDED : 4" YIELDS 192 GPM > 141.

HORIZONTAL PIPING  
PER F.B.C., PLUMBING, TABLE 1106.6  
8" HORIZONTAL GUTTER SLOPE 1/16" PER FEET CAPACITY 172 GPM.

ROOF 02 RWL CALCULATIONS REQ.:  
AREA = 2709 + 590  
(3299 SQ / FT / 100) X 5.2 = 172 GPM REQ.

VERTICAL LEADER  
PER F.B.C., PLUMBING, TABLE 1106.3  
RWL SIZE PROVIDED : 4" YIELDS 192 GPM > 172.

HORIZONTAL PIPING  
PER F.B.C., PLUMBING, TABLE 1106.6  
8" HORIZONTAL GUTTER SLOPE 1/16" PER FEET CAPACITY 172 GPM.

ROOF 03a RWL CALCULATIONS REQ.:  
AREA = 281  
(281 SQ / FT / 100) X 5.2 = 15 GPM REQ.

VERTICAL LEADER  
PER F.B.C., PLUMBING, TABLE 1106.3  
RWL SIZE PROVIDED : 3" YIELDS 92 GPM > 15.

ROOF 03b RWL CALCULATIONS REQ.:  
AREA = 161  
(161 SQ / FT / 100) X 5.2 = 9 GPM REQ.

NO SCUPPERS, NO LEADERS

ROOF 04 RWL CALCULATIONS REQ.:  
AREA = 175  
(175 SQ / FT / 100) X 5.2 = 10 GPM REQ.

VERTICAL LEADER  
PER F.B.C., PLUMBING, TABLE 1106.3  
RWL SIZE PROVIDED : 3" YIELDS 92 GPM > 10.

ROOF 05 RWL CALCULATIONS REQ.:  
AREA = 108  
(108 SQ / FT / 100) X 5.2 = 6 GPM REQ.

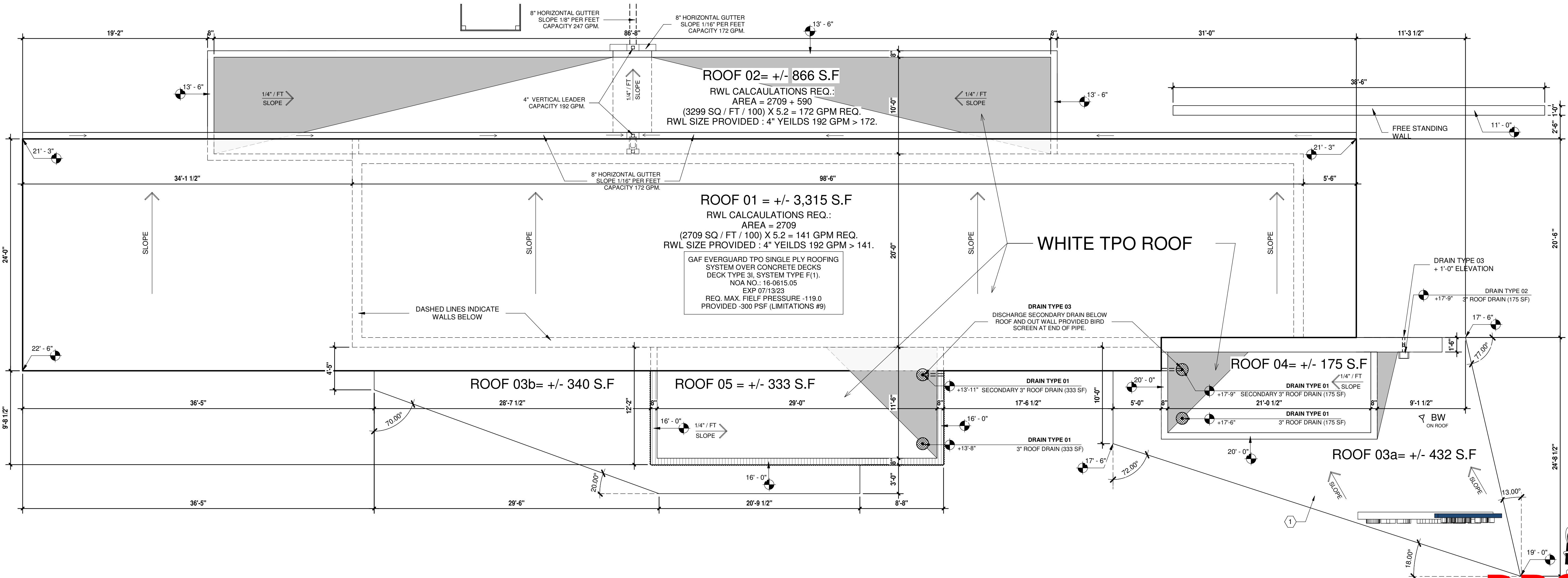
VERTICAL LEADER  
PER F.B.C., PLUMBING, TABLE 1106.3  
RWL SIZE PROVIDED : 3" YIELDS 92 GPM > 6.

Roof Drainage Calculations

Equipment Room Scupper

SCALE: 3/4" = 1'-0"

Keynotes



Roof Plan

SCALE: 3/16" = 1'-0"

01

08/20/2025