



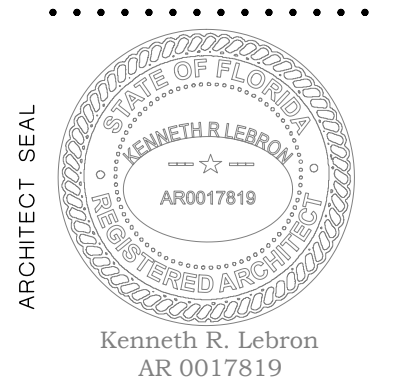
406 S. NEPTUNE DRIVE,
SATELLITE BEACH, FLORIDA 32937
PHONE (321) 389-8787

COPYRIGHT
 All reports, plans, specifications, computer files, field data, notes and other documents are instruments of service prepared by CAG Architects, LLC (C.A.G.) as instruments of service remain the property of C.A.G. C.A.G. shall retain all common law, statutory and other reserved rights, including the copyright thereto. Any use or reproduction of this document without written permission from C.A.G. is a violation of Federal copyright laws.

Archila
Design
GROUP
ARCHITECTURE

923 San Rafael Rd. SW
Palm Bay, FL 32908
PHONE: (561) 504-4240

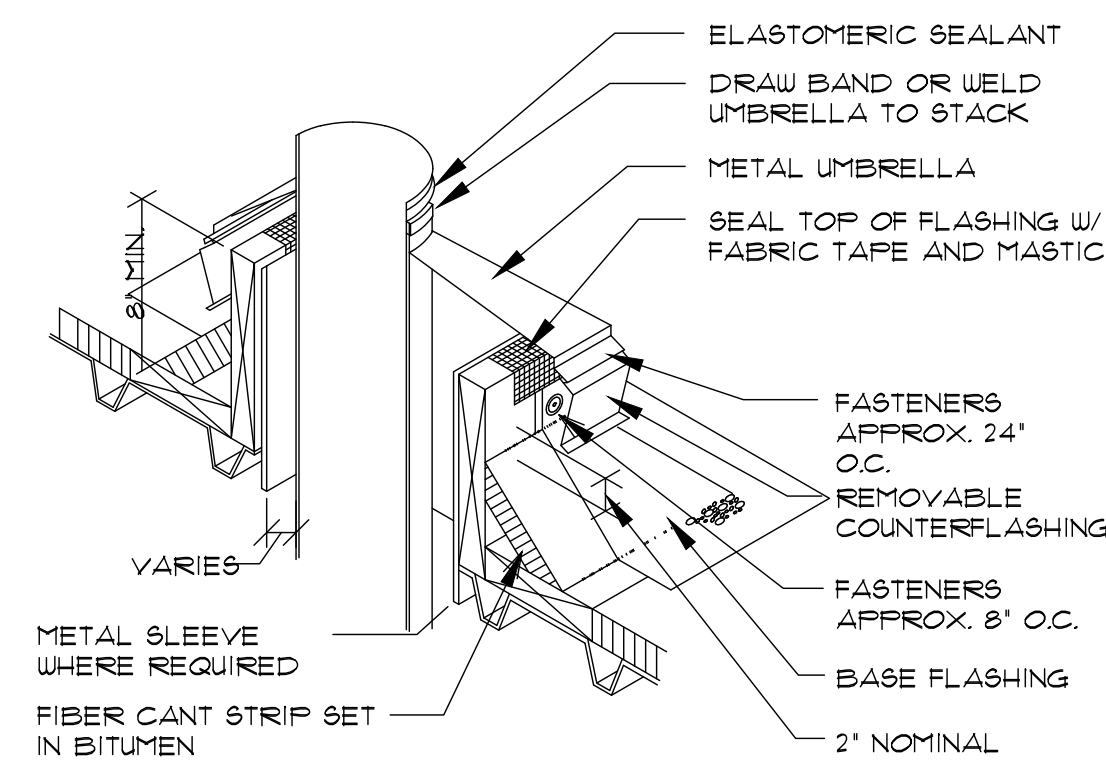
1602 N. RIVERSIDE DR.
TRIPLEX
POMPANO BEACH, FL.
BROWARD COUNTY, FLORIDA



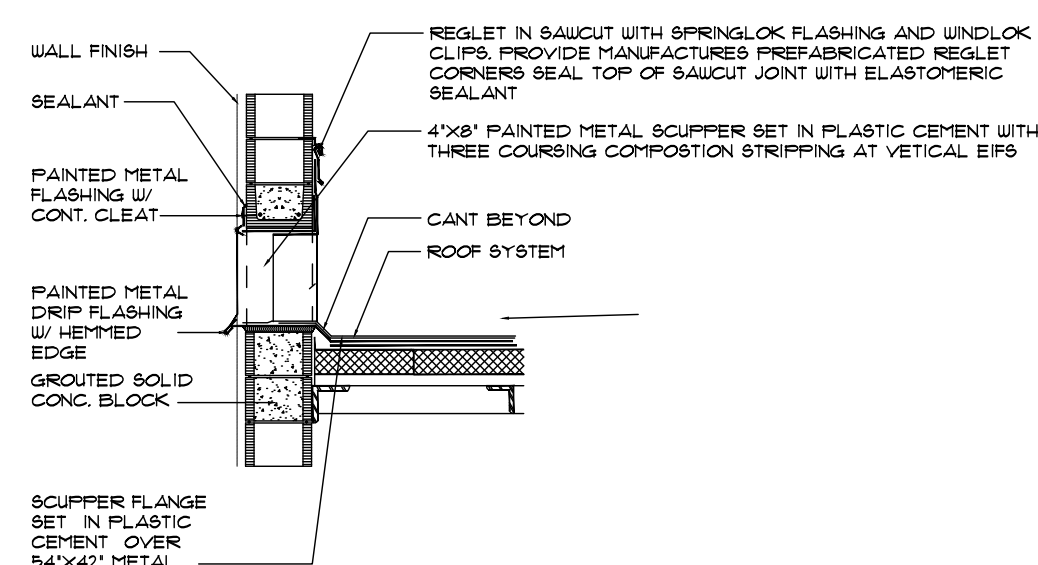
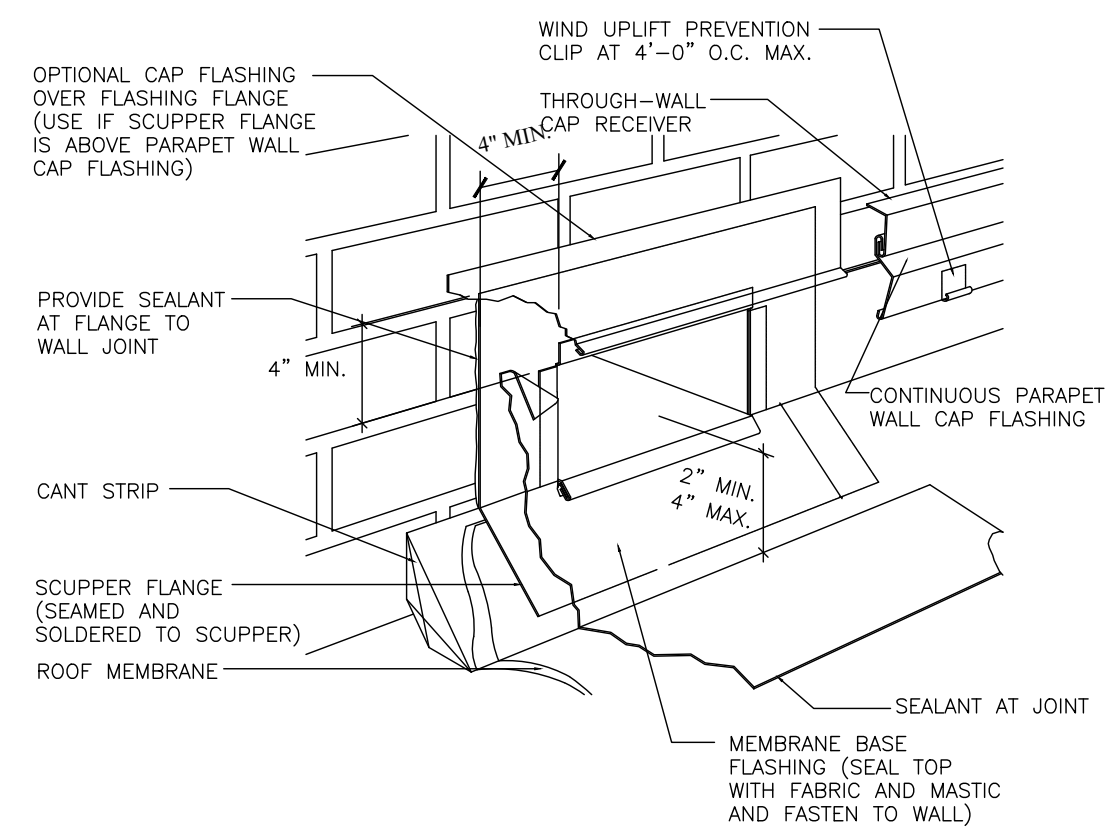
**BUILDING
ROOF PLAN**

Project Manager:
OSCAR
Drawn by: G.R.
Project No.: 24-925

10/03/2024



D1 TYP. VENT DETAIL
3"=1'-0"



(D2) SCUPPER & OVERFLOW DETAILS
1 1/2"=1'-0"

ROOF DRAINAGE CALCULATIONS:

8th. EDITION FBC-P 2023 CHAPTER -11
FIGURE 1106.1
100 YEAR , 1 HOUR RAINFALL RATE FOR THE
AREA OF POMPAHO BEACH, FL.
R= 4.5 (INCHES)

| Rainfall In. Per Hr. | G.P.H. Per 1 Sq. Ft. | G.P.M. Per 1 Sq. Ft. |
|----------------------|----------------------|----------------------|
| 4.5 | 2.805 | .0468 |

(P) PARAPET = $\frac{100.33}{2} \times 2 = 100.33$ S.F.

$$(T.R.) \text{ TOTAL ROOF} = M.R. + P$$

$$(T.R.) = 588 + 100.33 = 688.33 \text{ SF.}$$

G.P.H. = $2.805 \times 688.33 = 1,931$ GALLONS PER HOUR

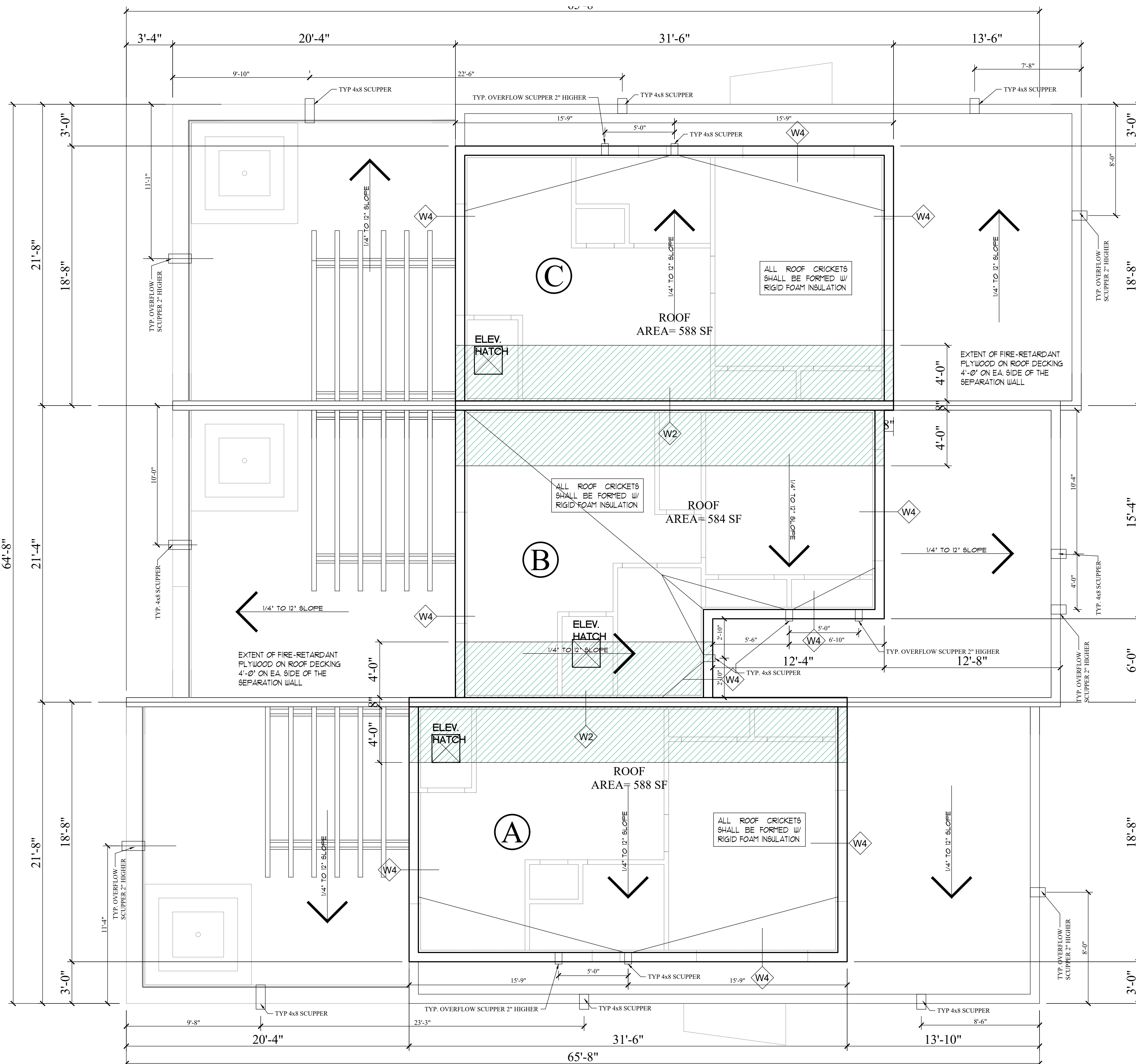
$$G.P.M. = .0468 \times 688.33 = 32 \text{ GALLONS PER MINUTE}$$

G.P.M. PER SCUPPER = $\frac{32}{1}$ = 32 GALLONS

SIZE OF SCUPPER MIN. HIGHT = 4'

LENGTH = TABLE 1106.6 HORIZONTAL GUTTER
SIZING
41 GUTTER SLOPE 1/8" PER FOOT = 39.6 CM

SCUPPER SIZE = 4'x 8'



ROOF PLAN

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

DRC

PZ25-12000003

05.21.2025

A-4