

ROOFING GENERAL NOTES

- All 1/4:12 roofing to be TPO single ply membrane (chemical or mechanically fastened) unless otherwise noted in plan. Penetration and transition details per manufacturer installation instructions. See plan for direction.
- CH/OF indicates location of 12" wide x 6" high thru-wall scupper with decorative conductor head (CH) leading to 3.5" x 5" downspout (DS) unless otherwise noted, and adjacent overflow (OF) scupper of same size. Set bottom 4" above bottom of primary scupper. Provide 6" OGE gutters. Downspouts to be located to minimize visual impact. Refer to civil drawings.
- See typical detail sheets for primary scupper and overflow scupper details.
- Typical top floor plate is 9'-1 1/8" plate, crashhatch indicates 12'-1 1/8" plate, as shown in plan. Parapet height measured within this area is measured from the adjusted top floor plate.
- Double layer of TPO membrane roof for work area adjacent to mechanical units, hatch indicates.
- 3'-X' PRPT indicates distance from top plate to top of parapet wall.
X'-X' TRUSS indicates distance from top floor plate to top of box truss.
- Backside of parapet wall to be TPO.
- Roof truss depth to be 30" minimum.
- Draftstopping location indicated by line
- Symbol below denotes general location of required ventilation.
High: Auto Vent
Low (near lowest point of roof slope): Pop Vent
- No roof penetrations are allowed 4'-0" on each side of a fire wall or building area separation wall. Exterior FRP sheathing to be 4" on either side of fire wall. Extents of no penetration zone is shown with this hatch pattern:
- Attic access panels to be provided, located as shown. AP1 is a 2'x4' access panel. All access panels shall maintain same rating of the assembly and have self-closing hardware. Refer to details on A2.80. Locations shown in plan with this symbol:
- As req. provide color on high ventilation pop vents to achieve 36" vertical separation from low intake vents.

CLUBHOUSE

ATTIC DRAFTSTOPPING SUBDIVISIONS

ROOF SUBDIVISION	ROOF AREA (SQ. FT.)
A	1,879
B	1,908
C	2,474

Roof Ventilation- Foundry 33

03/04/19
Design Criteria based on 2017 NCBC Section 1203.2
High Ventilation based (Ridge Vent) on Trimline High Profile Rigid Vent Plus
High Ventilation (Flat Roof Vent) based on Aura Vent AV-18
Low Ventilation (Soffit Vent) based on Trimline Soffit Vent Strip
Low Ventilation (Flat Roof Vent) based on Pop Vent by Active Ventilation Products Inc.: PV-18

Attic Area	Roof Area (sf)	Roof Vent Requirements (sq in)				Roof Vent Provided (sq in)						Total Provided (sq in)
		1/150	1/300	High		Low		Flat Roof Vent		Total		
				Ridge Vent Qty.	Sq. In.	Soffit Vent Qty.	Sq. In.	Flat Roof Vent Qty.	Sq. In.			
A	1,879	N/A	902	0	0	2	508	0	2	508	1016	
B	1,908	N/A	916	0	0	2	508	0	2	508	1016	
C	2,474	N/A	1,188	0	0	3	762	0	3	762	1524	
		N/A	0	0	0	1	254	0	1	254	508	

Roof Drainage- Foundry 33

05/30/19
Design Criteria (Based on 2019 NCPC Section 1104)
100 Year, 1 Hour Rainfall Rate= 3.75 in.

	Size (in.)	Slope (in.)	Allowable Area (sq. ft.)
Downspout	4x6		8,927
Gutter	6	1/16:12	1,040
Scupper	12x6		

Based on SMACNA 1-1/2" head @ 4.5 in. rainfall rate
Note: At gutter collection system, distance between downspouts not to exceed 30 feet.

Roof Drainage Calculations

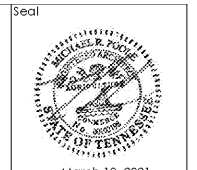
Roof Area Number	Projected Roof Area (sq. ft.)			Design Area Provided (sq. ft.)		
	Flat Roof	Parapet	Total	Downspout	Storm	Gutter
1	2,963	0	2,963	8,927	N/A	N/A
2	1,864	0	1,864	8,927	N/A	N/A
3	618	0	618	1,040	N/A	N/A
4	855	0	855	8,927	N/A	N/A

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2 Clubhouse - Drainage
Scale: 1/16" = 1'-0"

1 Clubhouse - Roof Plan
Scale: 1/4" = 1'-0"



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Project: 1928.00
CADD File: MSAM
Drawn By: NVK
Checked By: SGS
Permit Release: May 15, 2020
Construction Release Set: May 15, 2020

Revisions

No.	Date	Description
1	03/19/21	Owner Comments

ASI / RFI Revisions

No.	Date	Description
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Borough 33
an Apartment Community by
33 Broad MF, LLC
in Chattanooga, Tennessee

Drawing Title:
Clubhouse
Roof Plan

A6.1c

ISSUED FOR CONSTRUCTION