ROOFING GENERAL NOTES

1. 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.
2. 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" OGEE gutters. Downspouts to be located to minimize visual impact. Refer to civil drawings.
3. See typical detail sheets for primary scupper and overflow scupper details.
4. Typical top floor plate is 9'-1 1/8" plate, crosshatch ⊠ indicates 12'-1 1/8" plate, as shown in plan. Parapet height measured within this area & measured from the adjusted top floor plate.
5. Double layer of TPO membrane roof for work area adjacent to mechanical units, hatch ▨ indicates.
6. X'-X" PRPT indicates distance from top plate to top of parapet wall. X'-X" TRUSS indicates distance from top floor plat to top of box truss.
7. Backside of parapet wall to be TPO.
8. Roof truss depth to be 30" minimum.
9. Draftstopping location indicated by line ▬▬▬
10. Symbols below denotes general location of required ventilation.
    High: ⓐ Autex Vent
    Low (near lowest point of roof slope): Ⓥ Pop Vent
11. No roof penetrations are allowed 4'-0" on each side of a firewall or building area separation wall. Exterior FRT sheating to be 4' on either side of firewall. Extents of no penetration zone is shown with this hatch pattern: ▨
12. Attic access panels to be provided, located as shown. AP1 is a 2'x4' ceiling access panel. All access panels shall maintain same rating of the assembly and have self closing hardware. Refer to details on A2.8a. Locations shown in plan with this symbol: AP1 AP2 AP3
13. As req. provide 'collar' on high ventilation pop vents to achieve 36" vertical separation from low intake vents.

FITNESS	
ATTIC DRAFTSTOPPING SUBDIVISIONS	
ROOF SUBDIVISION	ROOF AREA (SQ. FT.)
A	1,477
B	947
C	1,345

Roof Ventilation- Foundry 33

03/04/19

		Net Free Vent Area (sq. in.)
Design Criteria based on 2017 NCBC Section 1203.2		
High Ventilation based (Ridge Vent) on Trimline High Profile Rigid Vent Plus	net free vent area per linear foot	19
High Ventilation (Flat Roof Vent) based on Aura Vent AV-18	net free area per vent	254
Low Ventilation (Soffit Vent) based on Trimline Soffit Vent Strip	net free area per vent	9.5
Low Ventilation (Flat Roof Vent) based on Pop Vent by 'Active Ventilation Products Inc.', PV-18	net free area per linear foot	254

Attic Area	Roof Area (sf)	Roof Vent Requirements (sq in)		Roof Vent Provided (sq in)								Total Provided (sq in)
				High				Low				
				Ridge Vent		Flat Roof Vent		Soffit Vent		Flat Roof Vent		
		1/150	1/300	Qty.	Sq. In.	Qty.	Sq. In.	Qty.	Sq. In.	Qty.	Sq. In.	
A	1,477	N/A	709	0		2	508	0		2	508	1016
B	947	N/A	455	0		2	508	0		2	508	1016
C	1,345	N/A	646	0		2	508	0		2	508	1016

Roof Drainage- Foundry 33

05/30/19

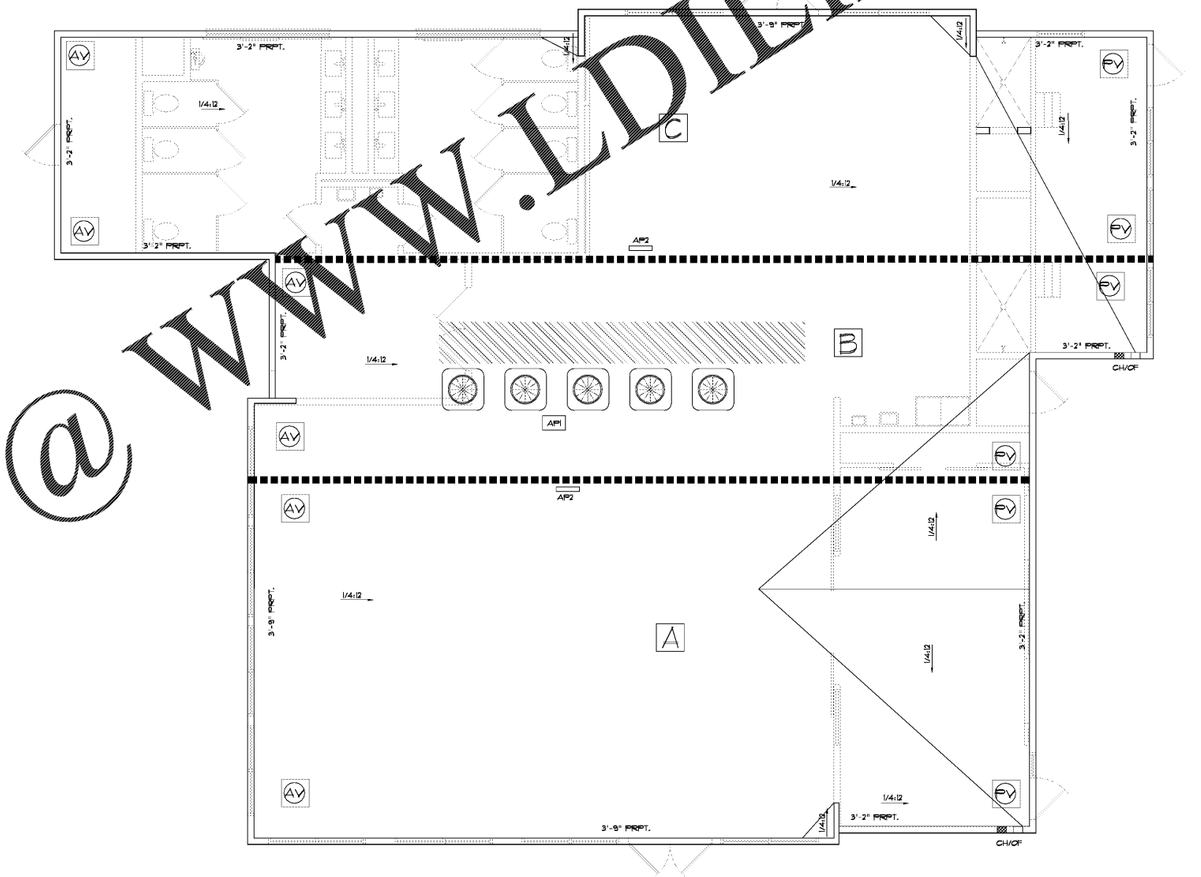
Design Criteria (Based on 2018 NCPC Section 1106)
100 Year, 1 Hour Rainfall Rate= 3.75 in.

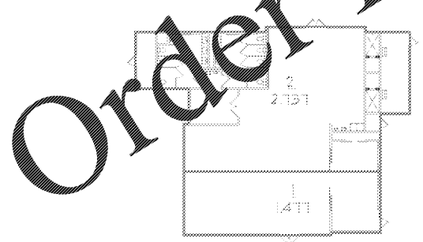
		Size (in.)	Slope (in.)	Allowable Area (sq. ft.)
	Downspout	4x5		8,927
	Gutter	6	1/16:12	1,040
Based on SMACNA 1-1/2" head @ 4.5 in. rainfall rate	Scupper	12x6		

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	1,030	0	1,030	8,927	N/A	N/A
2	2,737	0	2,737	8,927	N/A	N/A
		0	0	8,927	N/A	N/A





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

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

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Seal
MICHAEL T. POOLE
REGISTERED
ARCHITECT
STATE OF TENNESSEE
May 15, 2020

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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

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:
Fitness
Roof Plan

A6.2c

ISSUED FOR CONSTRUCTION