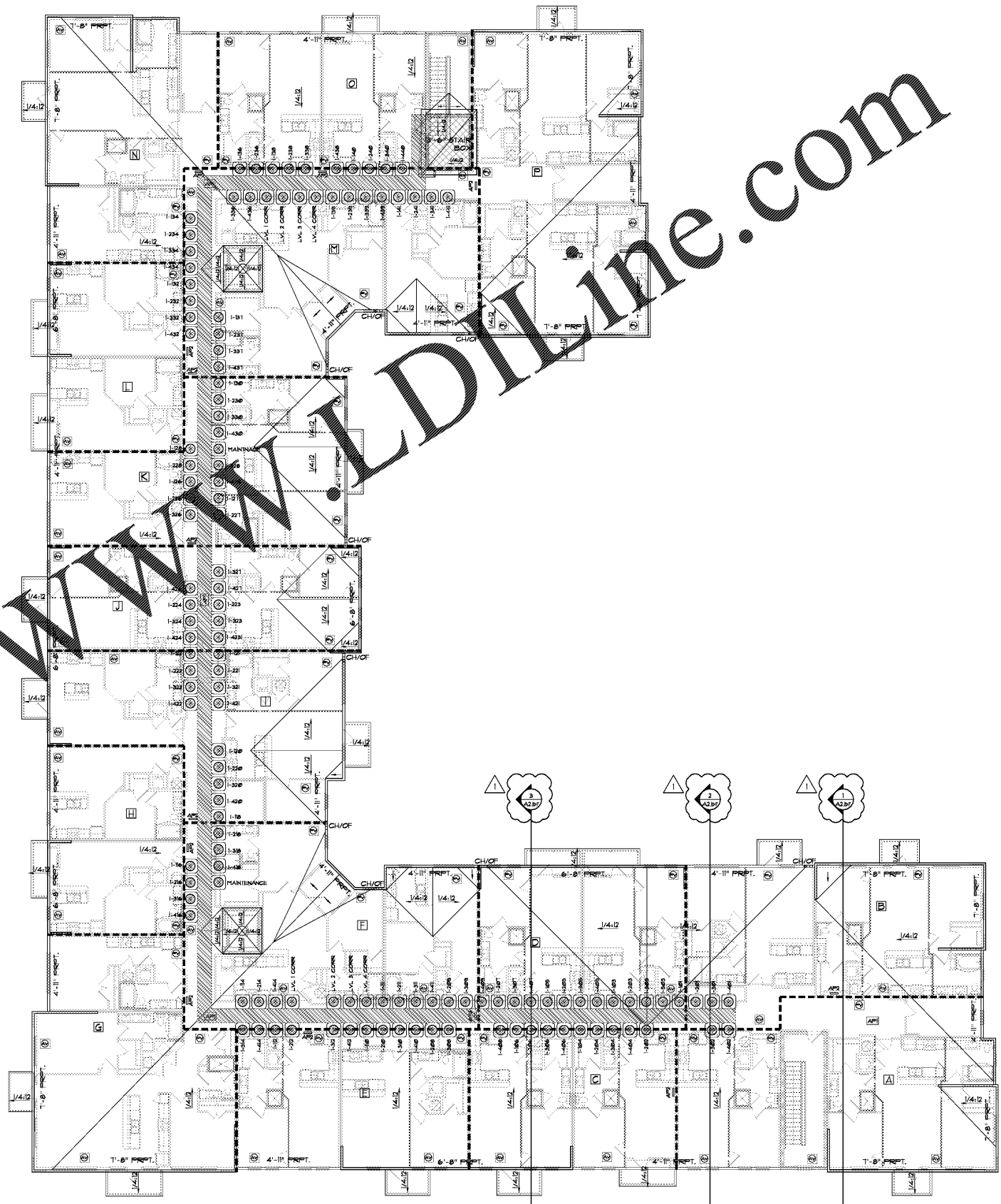


Roof Ventilation- Foundry 33		03/04/19	
Design Criteria based on 2012 IRC Section 1203.2			
High Ventilation based (Ridge Vent) on Trimline High Profile Rigid Vent Plus	net free vent area per linear foot	19	
High Ventilation (Flat Roof Vent) based on Aura Vent AV-18	net free area per vent	254	
Low Ventilation (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)			
		1/150	1/300	High		Low					
				Ridge Vent Qty.	Sq. in.	Flat Roof Vent Qty.	Sq. in.		Soffit Vent Qty.	Sq. in.	Rat Roof Vent Qty.
A	2,367	N/A	1,136	0	0	3	762	0	3	762	1524
B	1,935	N/A	929	0	0	2	508	0	2	508	1016
C	1,321	N/A	634	0	0	2	508	0	2	508	1016
D	1,535	N/A	737	0	0	2	508	0	2	508	1016
E	1,478	N/A	709	0	0	2	508	0	2	508	1016
F	2,419	N/A	1,161	0	0	3	762	0	3	762	1524
G	1,918	N/A	921	0	0	2	508	0	2	508	1016
H	1,144	N/A	559	0	0	2	508	0	2	508	1016
I	1,805	N/A	866	0	0	2	508	0	2	508	1016
J	1,483	N/A	712	0	0	2	508	0	2	508	1016
K	1,827	N/A	877	0	0	2	508	0	2	508	1016
L	1,164	N/A	559	0	0	2	508	0	2	508	1016
M	2,458	N/A	1,180	0	0	3	762	0	3	762	1524
N	1,747	N/A	839	0	0	2	508	0	2	508	1016
O	1,587	N/A	762	0	0	2	508	0	2	508	1016
P	2,354	N/A	1,130	0	0	3	762	0	3	762	1524

BUILDING 1	
ATTIC DRAFTSTOPPING SUBDIVISIONS	
ROOF SUBDIVISION	ROOF AREA (SQ. FT.)
A	2,367
B	1,935
C	1,321
D	1,535
E	1,478
F	2,419
G	1,918
H	1,164
I	1,805
J	1,483
K	1,827
L	1,164
M	2,458
N	1,747
O	1,587
P	2,354

- ### ROOFING GENERAL NOTES
- All 1/4" 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" ODE 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.
 - X'-X" PRPT indicates distance from top plate to top of parapet wall. X'-X" TRUS 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 .
 - Symbols below denotes general location of required ventilation.
High: Aules Vent
Low (near lowest point of roof slope): Pop Vent
 - No roof penetrations are allowed 4'-0" on each side of a firewall or building area separation wall. Exterior FRP sheathing to be 4" on either side of firewall. 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' ceiling access panel. All access panels shall maintain same rating of the assembly and have self-closing hardware. Refer to details on A2.5a. Locations shown in plan with this symbol: AP1 AP2 AP3
 - As req, provide 'collar' on high ventilation pop vents to achieve 36" vertical separation from low intake vents.



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March 19, 2021

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Project: 1928.00
CADD File: MSRP
Drawn By: SGS
Checked By: GA

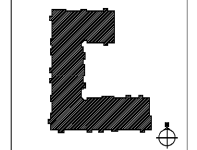
Permit Release:
May 15, 2020
Construction Release Set:
May 15, 2020

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:
Building 1 - Roof Plan
Details

A2.5a

1 Building 1 - Roof Plan
Scale: 3/32" = 1'-0"

ISSUED FOR CONSTRUCTION