

Roof Ventilation- Foundry 33		09/17/2019	
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	
High Ventilation (Flat Roof Vent) based on Aura Vent AV-18		net free area per vent	
Low Ventilation (Soffit Vent) based on Trimline Soffit Vent Strip		net free area per vent	
Low Ventilation (Flat Roof Vent) based on Pop Vent by Active Ventilation Products Inc., PV-18		net free area per linear foot	
		Net Free Vent Area (sq. in.)	
		19	
		254	
		9.5	
		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.		Flat Roof Vent Qty.	Sq. In.
A	719	N/A	345	0	N/A	1	254	0	190	1	254	508
B	719	N/A	345	10	190	0	0	20	190	0	0	380

Roof Drainage- Foundry 33				09/17/2019	
Design Criteria (Based on 2018 NCPC Section 1106)					
100 Year, 1 Hour Rainfall Rate: 3.75 in.					
Downspout	Size (in.)	Slope (in.)	Allowable Area (sq. ft.)		
	4x6		8,927		
Gutter	Size (in.)	Slope (in.)	Allowable Area (sq. ft.)		
	5	1/16:12	1,040		
Based on SMACNA 1-1/2" head @ 4.5 in. rainfall rate					
Scupper					
Note: At gutter collection system, distance between downspouts not to exceed 30 feet.					

Roof Area Number	Projected Roof Area (sq. ft.)			Design Area Provided (sq. ft.)			
	Flat Roof	Parapet	Total	Downspout	Storm	Side 1	Side 2
1	240	0	240	N/A	N/A	NO	NO
2	240	0	240	N/A	N/A	NO	NO
3	240	0	240	N/A	N/A	NO	NO
4	128	0	128	8,927	N/A	10'	13'
5	229	0	229	8,927	N/A	10'	13'
6	229	0	229	8,927	N/A	10'	13'
7	128	0	128	8,927	N/A	10'	13'

Garage ATTIC DRAFTSTOPPING SUBDIVISIONS	
ROOF SUBDIVISION	ROOF AREA (SQ. FT.)
A	719
B	719

SLAB NOTES

1. Refer to the notes on drawings for specific details.

2. Refer to the notes on drawings for specific details.

3. Refer to the notes on drawings for specific details.

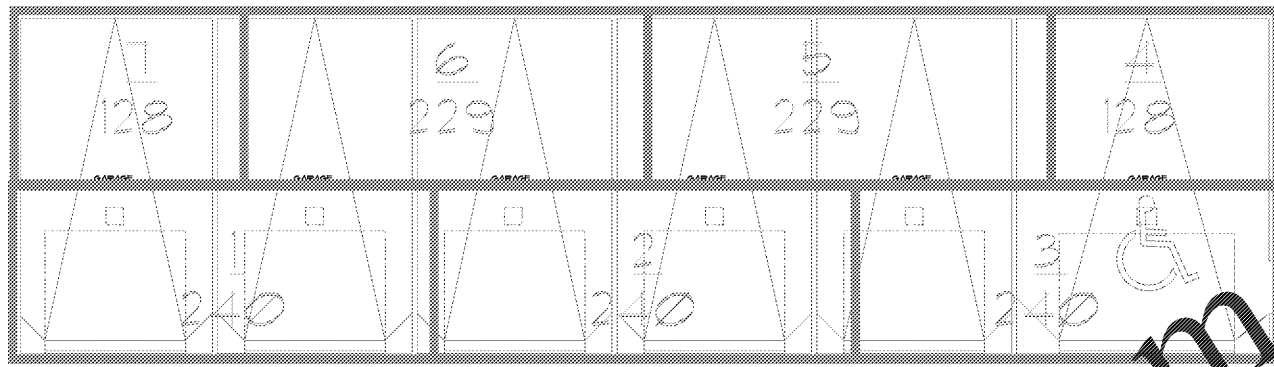
4. Refer to the notes on drawings for specific details.

5. Refer to the notes on drawings for specific details.

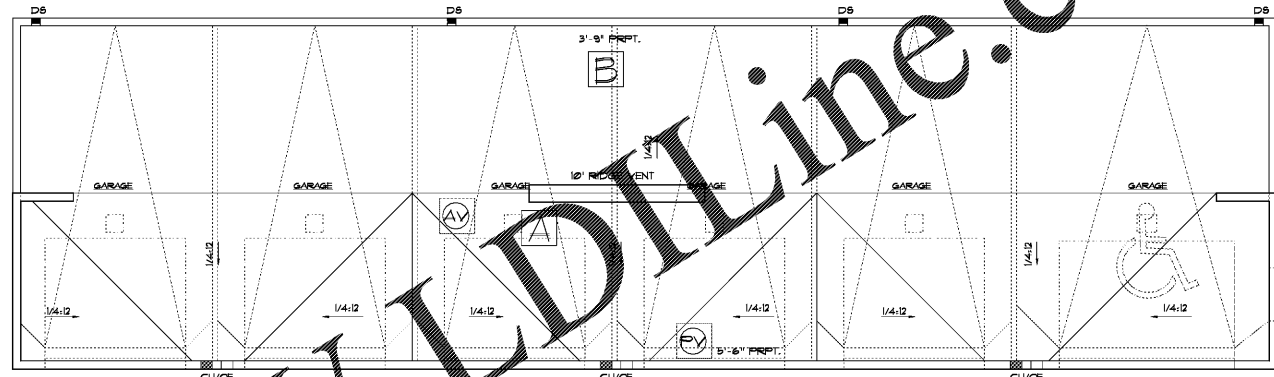
6. Refer to the notes on drawings for specific details.

7. Refer to the notes on drawings for specific details.

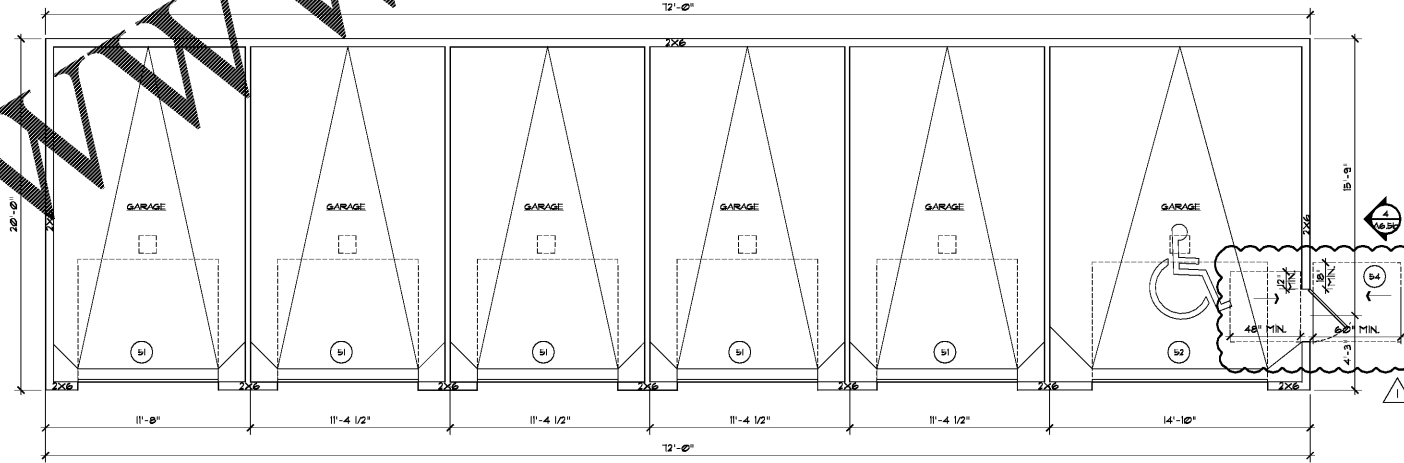
WALL LEGEND						
Symbol	Material	Thickness	Finish	Notes	Reference	Notes
1	12" CMU	12"	Paint	See Section 050500	1	See Section 050500
2	8" CMU	8"	Paint	See Section 050500	2	See Section 050500
3	4" CMU	4"	Paint	See Section 050500	3	See Section 050500
4	2" CMU	2"	Paint	See Section 050500	4	See Section 050500
5	1" CMU	1"	Paint	See Section 050500	5	See Section 050500
6	1/2" CMU	1/2"	Paint	See Section 050500	6	See Section 050500
7	1/4" CMU	1/4"	Paint	See Section 050500	7	See Section 050500
8	1/2" Gypsum Board	1/2"	Paint	See Section 050500	8	See Section 050500
9	1/2" Gypsum Board	1/2"	Paint	See Section 050500	9	See Section 050500
10	1/2" Gypsum Board	1/2"	Paint	See Section 050500	10	See Section 050500



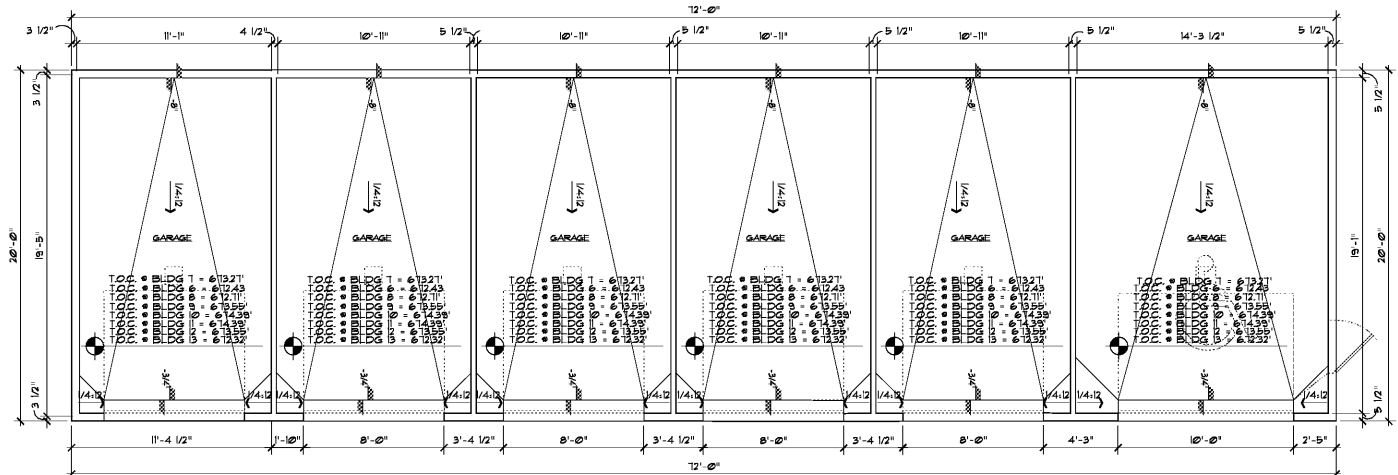
5 Garages 6, 7, 8, 9, 10, 11, 12 and 13 - Roof Drainage Plan
Scale: 1/4" = 1'-0"



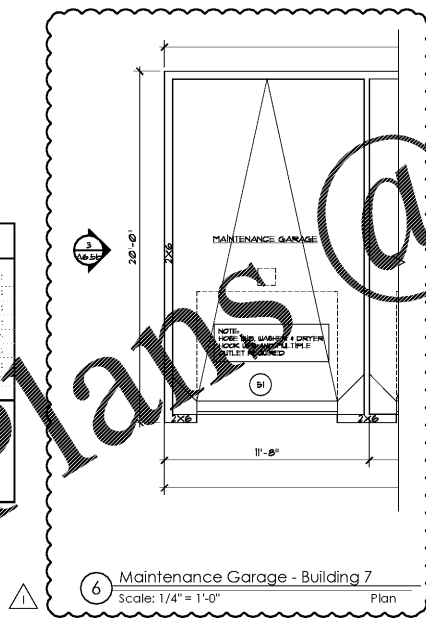
4 Garages 6, 7, 8, 9, 10, 11, 12 and 13 - Roof
Scale: 1/4" = 1'-0"



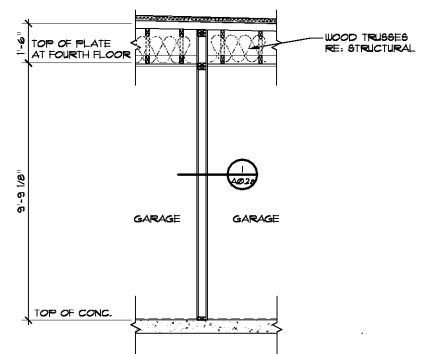
3 Garage - Building 6, 8, 9, 10, 11, 12 and 13
Scale: 1/4" = 1'-0"



1 Garages 6, 7, 8, 9, 10, 11, 12 and 13 - Slab Plan
Scale: 1/4" = 1'-0"



6 Maintenance Garage - Building 7
Scale: 1/4" = 1'-0"



2 Garages 6, 7, 8, 9, 10, 11, 12 and 13 - Fire Barrier
Scale: 3/8" = 1'-0"

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Seal

ZPA
POOL & POOL ARCHITECTURE
3736 Winterfield Road, Suite 102
Middleton, Virginia 23113
Telephone 804.225.0215
www.zpa.net

Project: 1928.00
CADD File: MSAM
Drawn By: SG5
Checked By: GA

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:
Garages
Slab Plan, Building Plan,
Roof Plan & Drainage Plan

A6.5a

ISSUED FOR CONSTRUCTION