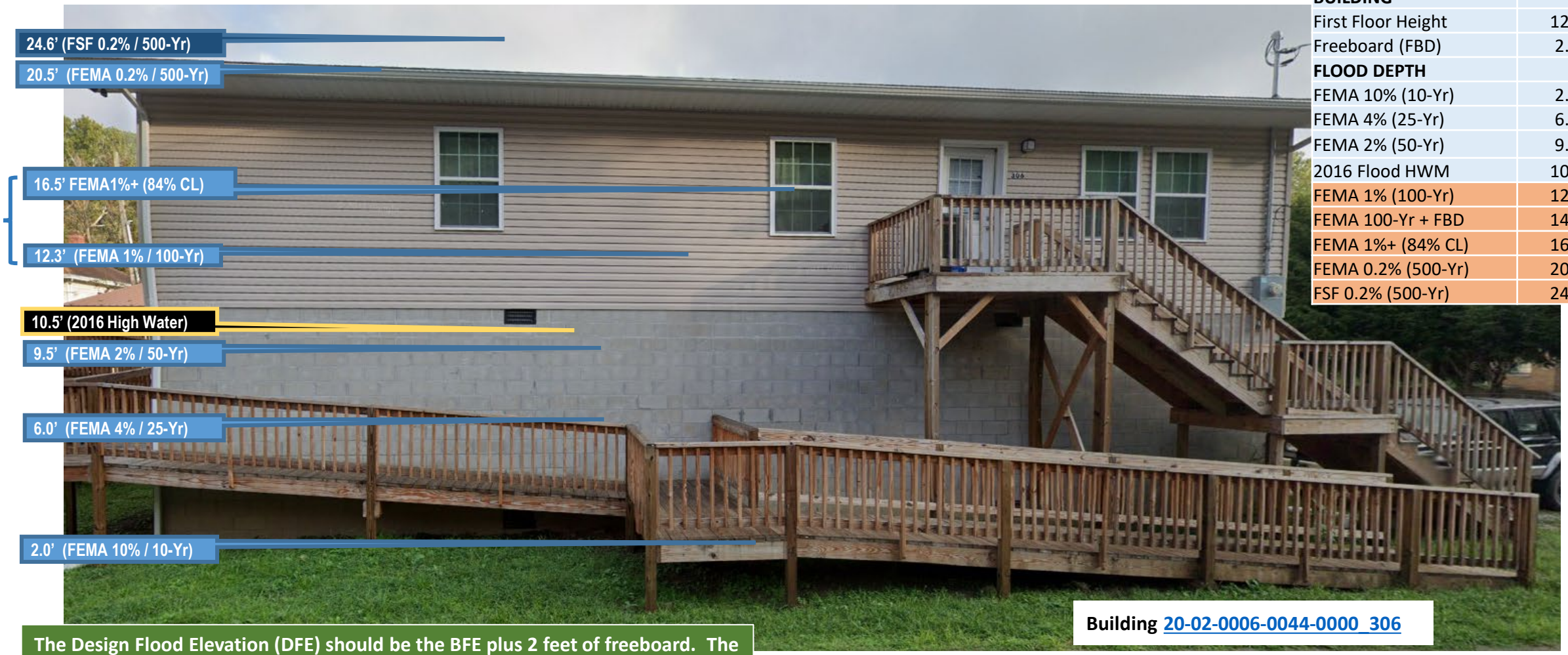
Clendenin Mitigation Reconstruction



	HEIGHT (ft.)
BUILDING	
First Floor Height	12.0
Freeboard (FBD)	2.0
FLOOD DEPTH	
FEMA 10% (10-Yr)	2.0
FEMA 4% (25-Yr)	6.0
FEMA 2% (50-Yr)	9.5
2016 Flood HWM	10.5
FEMA 1% (100-Yr)	12.3
FEMA 100-Yr + FBD	14.3
FEMA 1%+ (84% CL)	16.5
FEMA 0.2% (500-Yr)	20.5
FSF 0.2% (500-Yr)	24.6

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.

Building 20-02-0006-0044-0000_306

306 Maywood Ave., Clendenin, WV, 25045

FLOOD DEPTHS: FEMA First Street Foundation (FSF) USGS 2016 Flood High Water Mark

Richwood Mitigation Reconstruction

	HEIGHT (ft.)
BUILDING	
First Floor Height	8
Freeboard (FBD)	2
FLOOD DEPTH	
FEMA 10% (10-Yr)	0
FEMA 4% (25-Yr)	0
FEMA 2% (50-Yr)	3.1
2016 Flood HWM	2.8
FEMA 1% (100-Yr)	3.5
FEMA 100-Yr + FBD	5.5
FEMA 1%+ (84% CL)	6.7
FEMA 0.2% (500-Yr)	8.3
FSF 0.2% (500-Yr)	6.7

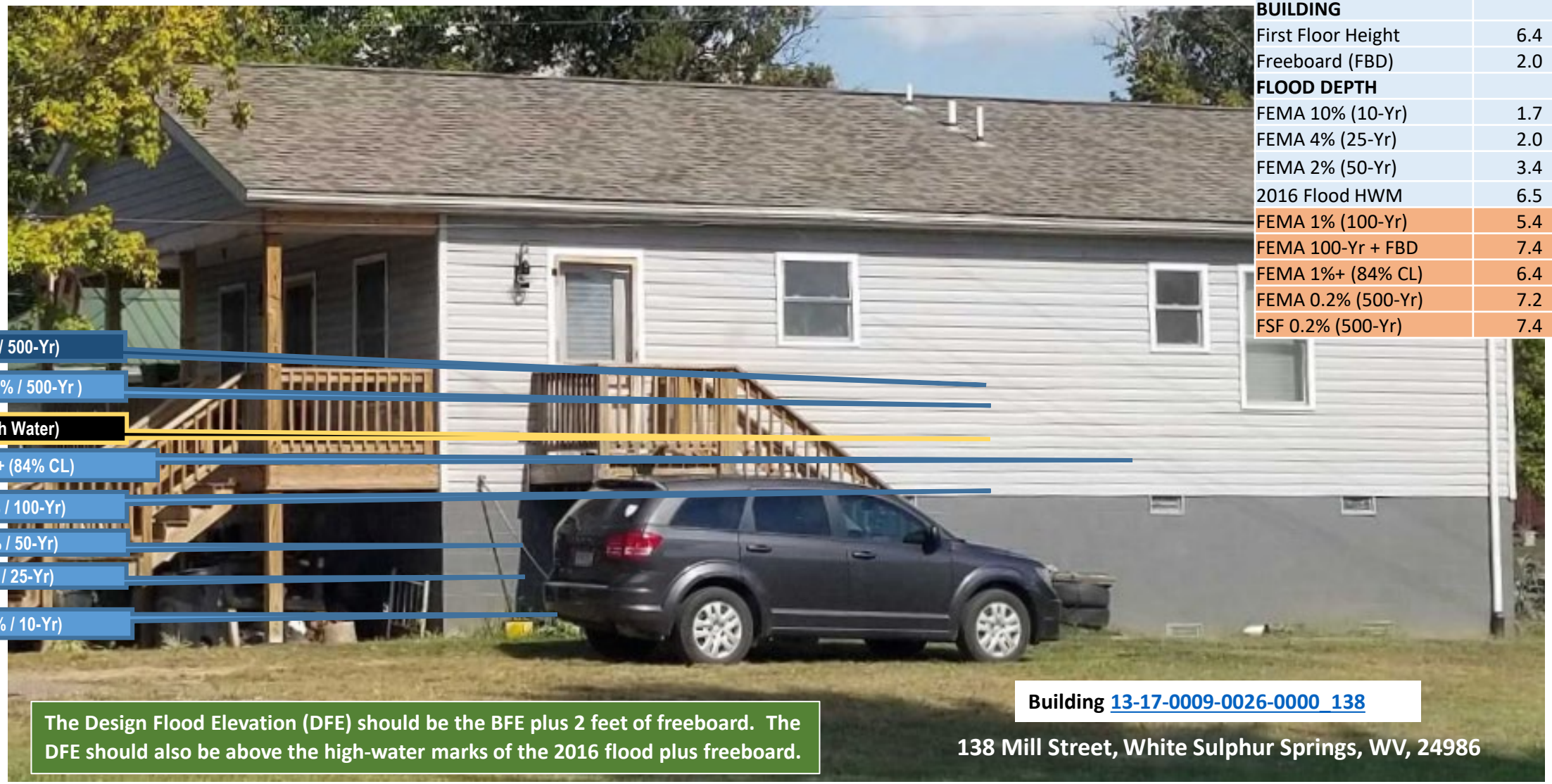
The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.

Building ID: 34-06-0011-0090-0000_113

FLOOD DEPTHS: FEMA First Street Foundation (FSF) USGS 2016 Flood High Water Mark

WSS New Reconstruction

	HEIGHT (ft.)
BUILDING	
First Floor Height	6.4
Freeboard (FBD)	2.0
FLOOD DEPTH	
FEMA 10% (10-Yr)	1.7
FEMA 4% (25-Yr)	2.0
FEMA 2% (50-Yr)	3.4
2016 Flood HWM	6.5
FEMA 1% (100-Yr)	5.4
FEMA 100-Yr + FBD	7.4
FEMA 1%+ (84% CL)	6.4
FEMA 0.2% (500-Yr)	7.2
FSF 0.2% (500-Yr)	7.4



FLOOD DEPTHS: FEMA First Street Foundation (FSF) USGS 2016 Flood High Water Mark

Rainelle Mitigation Reconstruction

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.

	HEIGHT (ft.)
BUILDING	
First Floor Height	9
Freeboard (FBD)	2
FLOOD DEPTH	
FEMA 10% (10-Yr)	3.1
FEMA 4% (25-Yr)	0.1
FEMA 2% (50-Yr)	1.9
2016 Flood HWM	7.5
FEMA 1% (100-Yr)	3.9
FEMA 100-Yr + FBD	5.9
FEMA 1%+ (84% CL)	9.9
FEMA 0.2% (500-Yr)	9.9
FSF 0.2% (500-Yr) Climate	12.2

FLOOD DEPTHS: FEMA | First Street Foundation (FSF) | USGS 2016 Flood High Water Mark

Camden Mitigation Reconstruction

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.

	HEIGHT (ft.)
BUILDING	
First Floor Height	4.0
Freeboard (FBD)	2.0
FLOOD DEPTH	
FEMA 10% (10-Yr)	NA
FEMA 4% (25-Yr)	NA
FEMA 2% (50-Yr)	1.3
2016 Flood HWM	3.4
FEMA 1% (100-Yr)	2.2
FEMA 100-Yr + FBD	4.1
FEMA 1%+ (84% CL)	3.2
FEMA 0.2% (500-Yr)	6.3
FSF 0.2% (500-Yr) Climate	8.7

FLOOD DEPTHS: FEMA | First Street Foundation (FSF) | USGS 2016 Flood High Water Mark

Camden Mitigation Reconstruction

	HEIGHT (ft.)
BUILDING	
First Floor Height	4
Freeboard (FBD)	2
FLOOD DEPTH	
FEMA 10% (10-Yr)	1.9
FEMA 4% (25-Yr)	4.4
FEMA 2% (50-Yr)	6.7
2016 Flood HWM	9.1
FEMA 1% (100-Yr)	8.3
FEMA 100-Yr + FBD	10.3
FEMA 1%+ (84% CL)	10.7
FEMA 0.2% (500-Yr)	12.7
FSF 0.2% (500-Yr) Climate	14.8

Marlinton, WV (Building Flood Profile)

Building: [38-08-0003-0023-0000]

1900 Commercial Structure

309 8th St, Marlinton, WV, 24954

Ideally, the Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 1985 flood plus freeboard.

Flood Intervals	Height (ft.)	Source
FEMA 10% / 10-Yr	0.4	Flood Profile (Effective 2010)
FEMA 2% / 50-yr	2.7	Flood Profile (Effective 2010)
FEMA 1% / 100-yr	3.6	Flood Profile (Effective 2010)
FEMA 100-yr + 2.0 Ft. Freeboard (DFE)	5.6	Design flood elevation (DFE)
High Water Mark (1985 Flood)	7.0	Picture
FEMA Draft NFHL 100-yr	4.8	WV Flood Tool (Draft 2023)
FEMA 500-yr	8.8	WV Flood Tool (Draft 2023)
FSF 500-yr	9.4	FSF Flood Depth (2022)

1985 Flood High Water Mark

9.4' (FSF 0.2% / 500-Yr)

8.8' (FEMA DRAFT NFHL 0.2% / 500-Yr)

7' (1985 High Water Mark)

4.8' (FEMA DRAFT NFHL 1% / 100-Yr)

3.6' (FEMA 1% / 100-Yr)

2.7' (FEMA 2% / 50-Yr)

0.4' (FEMA 10% / 10-Yr)

FLOOD DEPTHS: FEMA Effective (2010) FEMA Draft NFHL (2023) First Street Foundation (FSF) 1985 Flood High Water Mark