FORM F3 BUILDING CODE ANAYLSIS FORM

PROJECT: ALLENDALE - FAIRFAX PRIMARY SCHOOL
DISTRICT: ALLENDALE COUNTY SCHOOL DISTRICT
SUBMITTAL: SCHEMATIC ☐ DESIGN DEVELOPMENT ☐ CONSTRUCTION DOCUMENT ☒
DATE: 6.5.2020 CODE & EDITION 2018 IBC
GUIDE EDITION OSF GUIDE 2020

BASIC BUILDING CODE INFORMATION

DESIGNATED AREAS OF BUILDING	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
CONSTRUCTION CLASSIFICATION TYPE (IBC 602)	IIB	--	--	--	--
OCCUPANCY GROUP (indicate all) (IBC 302, Note IBC 506.5)	E,B,A-3	--	--	--	--
OCCUPANCY GROUP (indicate most restrictive) (IBC Table 503)	E	--	--	--	--
Does building require Incidental Use Area Separation (IBC 508.2.4)	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Does the building have Accessory Occupancy (ies)?	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
What percent of story is accessory occupancy? (IBC 508.2)	1481.5 SF 7.5%	SF %	SF %	SF %	SF %
Mixed Occupancy (IBC 508)	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Non Separated (IBC 508.3)	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Separated (IBC 508.4) (IBC 506.5)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
OTHER FIRE PROTECTION SYSTEMS, DEVICES or FEATURES: If the building has any special or notable fire protection or safety feature or hazard the designers should list them here, describe the performance chartacteristics and refer to locationsin construction documents. (eg. fire extinguishers, smoke-evacuation/control/compartmetns. Note IBC 414.1.3	FIRE EXTINGUISHERS, SMOKE COMPARTMENTS TO FIRE SPRINKLERS	--	--	--	--

BUILDING AREA

DESIGNATED AREAS OF BUILDING	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
AREA LIMIT PER STORY (IBC TABLE 503) (Do not indicate increases for sprinkler & street frontage	14,500 SF	SF	SF	SF	SF
MAXIMUM AREA MODIFICATION PER STORY FROM EQUATION 5-1 OF IBC (Insert equation IBC 506.1 when completed calculation in this box) (Equation 5-1) $A_a = A_t + \left[\frac{A_t I_f}{100}\right] + \left[\frac{A_t I_s}{100}\right]$ A_a = Allowable area per floor (square feet) A_t = Tabular area per floor in accordance with Table 503 (square feet) I_f = Area increase factor due to frontage (percent) as calculated in accordance with Section 506.2 I_s = Area increase due to sprinkler protection as calculated in accordance with Section 506.3 (Repeat equation for each story of differing occupancies, IBC 506.5.2) Note: Footnote "e" from Table 601	I_f = 72% I_s = 200%	SF	SF	SF	SF
MAXIMUM AREA PER STORY	53,897 SF	SF	SF	SF	SF
TOTAL ALLOWED AREA OF BUILDING (Summary of all stories)	53,897 SF	SF	SF	SF	SF
AREA AS DESIGNED PER STORY (Repeat for each story)	20,099 SF	SF	SF	SF	SF
Total Designed Area of Building	19,394 SF	SF	SF	SF	SF

BUILDING HEIGHT

		AREA 1 DESIGNED	AREA 1 ALLOWED	AREA 2 DESIGNED	AREA 2 ALLOWED	AREA 3 DESIGNED	AREA 3 ALLOWED	AREA 4 DESIGNED	AREA 4 ALLOWED	AREA 5 DESIGNED	AREA 5 ALLOWED
Without any Allowable Increase (IBC Table 503)	In Feet	--	55'	--	--	--	--	--	--	--	--
	In Stories	--	1	--	--	--	--	--	--	--	--
Allowable Height Increase (IBC 504.2)	In Feet	--	20'	--	--	--	--	--	--	--	--
	In Stories	--	3	--	--	--	--	--	--	--	--
Total Height including any Allowance Increase	In Feet	39'	--	--	--	--	--	--	--	--	--
	In Stories	2	--	--	--	--	--	--	--	--	--

BUILDING DESIGN OCCUPANT LOAD

	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
First Story	726	--	--	--	--
Second Story	--	--	--	--	--
Story	--	--	--	--	--
Total	726	--	--	--	--

GENERAL FIRE PROTECTION REQUIREMENTS

	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
SEPARATIONS					
Fireblocking Required (IBC Section 717)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Draftstopping Required (IBC Section 717)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Smoke Control System Required (IBC Section 909)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Smoke Barriers Required (IBC Sections 407 and 408)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Smoke Partitions Required (IBC Section 407)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Fire Partition Required (IBC Section 420)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Fire Barrier Required (IBC Section 707)	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
ALARM & DETECTION					
Fire Alarm System Required (IFC Section 907)	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Emergency Alarm System Required (IFC Section 908)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
SUPPRESSION					
Standpipes Required (IFC Section 905)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Sprinklers Required (IFC Section 903)	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Sprinklers Provided	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Portable extinguishers required (IFC Section 906)	☐ NO ☒ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Other suppression systems required (IFC Section 904)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Smoke & heat vents required (IFC Section 910)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES

OTHER FIRE AND LIFE SAFETY FEATURES

DESIGNATED AREAS OF BUILDING	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
AREA OF REFUGE					
Separation Required (IBC Section 1007.6.2)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Two-way communication provided (IBC Section 1007.6.3)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Instruction provided (IBC Section 1007.6.4)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
EXTERIOR AREA OF ASSISTED RESCUE					
Separation required (IBC Section 1007.8)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
Identification provided (IBC Section 1007.8.3)	☒ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
OTHER					
--	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
--	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
--	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
--	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES
--	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES	☐ NO ☐ YES

FIRE RESISTANCE RATING OF BUILDING ELEMENTS

Element		AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
Structural Frame (IBC Table 601)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--
Bearing Walls, Exterior (IBC Table 601)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--
Bearing Walls, Interior (IBC Table 601)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--
Nonbearing Walls & Partitions, Exterior (IBC Table 601 & 602)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--
Nonbearing Walls & Partitions, Interior (IBC Table 601 & 602)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--
Floor Construction including supporting beams & joists (IBC Table 601)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--
Roof Construction including supporting beams & joists (IBC Table 601)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	M4 / M8 / M12	--	--	--	--
Fire Walls (IBC Section 706)	As Required, Hrs	0	--	--	--	--
	As Designed, Hrs	0	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)		--	--	--	--
	Wall/Partition Key Code		--	--	--	--
Fire Barriers (IBC Section 707)	As Required, Hrs	1	--	--	--	--
	As Designed, Hrs	1	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	UL #U906	--	--	--	--
	Wall/Partition Key Code	MF8 / MF12	--	--	--	--
Shaft Enclosures (IBC Section 708)	As Required, Hrs	-	--	--	--	--
	As Designed, Hrs	-	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	-	--	--	--	--
	Wall/Partition Key Code	-	--	--	--	--
Fire Partitions (IBC Section 709)	As Required, Hrs	-	--	--	--	--
	As Designed, Hrs	-	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	-	--	--	--	--
	Wall/Partition Key Code	-	--	--	--	--
Opening & Protection Lising by Catergory (fire shutters, doors, etc.) (IBC Section 715)	As Required, Hrs	-	--	--	--	--
	As Designed, Hrs	-	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	-	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--
Others (as required by designer)	As Required, Hrs	--	--	--	--	--
	As Designed, Hrs	--	--	--	--	--
	Testing Agency & Design No. (UL, FM, etc.)	--	--	--	--	--
	Wall/Partition Key Code	--	--	--	--	--

FLOOD HAZARD INFORMATION and FLOOD LOADS

FLOOD HAZARD AREA	NO FLOOD HAZARD ZONE LOCATED WITHIN PROJECT BORDERS
Base Flood Elevation (NGVD or FIRM)	MSL
Design Flood Elevation IBC 1612.3 and ASCE 24	MSL
NON HIGH-VELOCITY WAVE ACTION	
Elevation of Lowest Proposed Floor (Meet ASCE 24 Section 2.6.2.1)	MSL
Dry floodproofing ASCE 24	☐ NO ☐ YES
HIGH-VELOCITY WAVE ACTION	
Elevation of bottom of Lowest Horizontal Structural member of lowest floor	MSL
Flotation Resistant (ASCE 24)	☐ NO ☐ YES
Breakaway wall per ASCE 24	☐ NO ☐ YES

STRUCTURAL DESIGN INFORMATION, AREA

OCCUPANCY CATEGORY (IBC Table 1604.5)

LIVE LOAD FOR EACH OCCUPANCY TYPE (IBC Figure 1608.2 or ASCE 7)	Floor Live Load, F_{11}	100 PSF				PSF
	Roof Live Load, P_{11}	20 SF				PSF
	Ground Snow Load, P_g	10 PSF				PSF
MISCELLANEOUS LOADS BY SPECIAL USE AREA "ARCHITECTURAL, MECHANICAL, DATA CENTER, ETC., ASCE"		150PSF				PSF

SOILS AND SITE

SOILS INVESTIGATION REQUIRED? (IBC 1803.2)	☐ NO ☒ YES
SOILS CLASSIFICATION	
Seismic Site Class (IBC 1613.5.2)	D
Classes Soil of Materials (UCS System) (IBC 1803.5.1)	CL & ML
Allowable Footing Bearing Pressure	2,000 PSF
MINIMUM DESIGN SOIL BEARING LOAD (IBC Table 1806.2)	2,000 PSF
COMPACTION	
Subgrade (ASTM D698, ASTM D1557) or (AASHTO only for paving & roads)	%
Base (ASTM 968, ASTM D1557) or (AASHTO only for paving & roads)	%
Other (ASTM 968, ASTM D1557) or (AASHTO only for paving & roads)	%
MINIMUM DESIGN SOIL LATERAL LOAD (IBC 1610.1)	N/A PSF
FOOTINGS	
Undisturbed Footings	☐ NO [illegible]
AGGREGATE PIERS	☐ NO ☒ YES
ELEVATIONS	
Elevation of Water Table	142 MSL - 137MSL
Elevation of lowest footing	148.66 MSL (BOTTOM OF FOOTING)
Elevation of lowest floor or basement	151 MSL

STRUCTURAL DESIGN INFORMATION, BUILDING

WIND LOADS	**Analysis Procedure (ASCE 7 or IBC 1609.6)**	
	Basic Wind Speed. MPS (3 sec gust IBC Fig 1609)	V_{3S} = 133MPH
	Exposure Category	B
	Wind Importance Factor (ASCE 7 Table 6.1)	I_w = N/A Categroy III
	Internal Pressure Coefficient (ASCE 7)	GC_{pi} = +/- 0.18
	External Presurre Coefficient (ASCE 7)	GC_p = 0.9
SEISMIC LOADS	**Seismic Importance Factor (ASCE 7)**	I_e = 1.25
	Soil Class (IBC 1613.5.2)	D
	Mapped Spectral Response Accelerations	S_s = 0.403 S_i = 0.142
	Design Spectral Response Accelerations Parameters	S_{ds} = 0.397 S_{di} = 0.211
	Seismic Use Group (ASCE 7 and Seismic Occupancy Category IBC)	Risk Caterory III
	Seismic Design Category (IBC Tables 1613.5.6(1) & 1613.5.6 (2))	D
	Basic Seismic Force Resisting System	BEARING WALL SYSTEM SPECIAL REINFORCED MASONRY SHEAR WALLS
	Design Base Shear	145 KIPS
	Seismic Response Coefficient(s) ASCE 7	C_s = 0.099
	Response Modifications Factor(s) ASCE 7	R = 5.0
	Analysis Procedure	-

STATEMENT OF SPECIAL INSPECTIONS

The Designer(s) of Record shall determine the material and/or work on the project requiring Special Inspections. The Special Inspection requirements shall be based on Section 1704 of the 2012 International Building Code. Any deviations from the requirements of Section 1704 muct be approved by OSF. Per IBC Chapter 16 and ASCE 7 - This information may be shown initial Strucutral Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY
STRUCTURAL STEEL	Identification markings conform to ASTM standards on high-strength bolts, nuts, and washers.	PERIODIC	Applicable ASTM material standards	CHAPTER 1 & 17 INSPECTOR
	High-strength bolting: Bearing-type connections.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Welding complete and partial penetration groove welds.	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR
	Multi-pass fillet welds .	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR
	Single-pass fillet welds > 5/16"	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR
	Single-pass fillet welds </= 5/16"	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Roof deck welds.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Inspect steel frame joint details for compliance with approved construction documents.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
MASONRY	Site mixed mortar & grout.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Mortar joint placement.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Mortar joint construction.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Rebar location.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Rebar placement	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Clean grout space.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Size & type of reinforcing.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Size & location of structural elements.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Size, Type & location of anchors. Include anchorage of masonry to structural members.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Cold/hot weather protection	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Welding of rebar.	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR

STATEMENT OF SPECIAL INSPECTIONS (CONT'D)

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY
MASONRY (CONT'D)	Verification of grout placement.	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR
	Preparation of grout & mortar specimens.	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR
	Compliance with inspections & submittals.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
CONCRETE	Inspection of reinforcing	PERIODIC	ACI 318: 3.5, 7.1-7.7	CHAPTER 1 & 17 INSPECTOR
	Evaluation of concrete strength	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Curing	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Concrete Placement	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR
	Verifying use of required design mix.	PERIODIC	ACI 318: Ch. 4, 5.2-5.4	CHAPTER 1 & 17 INSPECTOR
	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	PERIODIC	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	CHAPTER 1 & 17 INSPECTOR
	Inspect formwork for shape, location and dimensions of the concrete member being formed.	CONTINUOUS	ACI 318:6.1.1	CHAPTER 1 & 17 INSPECTOR
SOILS	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Verify excavations are extended to proper depth and have reached proper material.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Perform classification and testing of compacted fill materials.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Verify use of proper materials, densities, and lift thicknesses during placement and compaction of compacted fill.	CONTINUOUS	--	CHAPTER 1 & 17 INSPECTOR
	Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
STEEL JOIST	Periodic Inspection of Steel Frame Joist	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Inspection of Field Welds and Bolts	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
STEEL DECKING	Inspection of Roof Deck & Welds	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR
	Inspection of Floor Deck & Welds	PERIODIC	--	CHAPTER 1 & 17 INSPECTOR

PLUMBING INFORMATION

WATER SYSTEM			
Service Line Size	2 1/2	Inches	
Distribution Design Criteria (IPC Table 604.3)	393	Fixture Units	
Maximum Flow Rate (IPC Table 604.4)	125	GPM	
Backflow	Location		VAULT NORTH SIDE OF BLDG
	Type		TRU-FLO HP-PROTECTUS
Test Pressure	--	psi	
SANITARY SEWER SYSTEM			
Service Line Size	6	Inches	
Distribution Design Criteria (IPC Tables 709.1 and 709.2)	217	Fixture Units	
Maximum Flow Rate	16,590	GPD	
Slope (IPC Table 704.1)	1/8	Inches/Ft	

MINIMUM PLUMBING FIXTURES REQUIRED/PROVIDED (IPC Section 403 & Table 403.1)

For structures with multiple building areas and/or occupancy groups, show calculations for shared fixtures. Expand tables as needed.

Applicable area(s)	CLASSROOMS
Most resrictive area	CASSROOMS
Fixturecounts required	YES

CODE REQUIRED BUILDING FIXTURE COUNTS

Water Closets	Male - Required	9
	Male WC - Provided	4
	Male Urinal - Provided	5
	Female - Required	9
	Female - Provided	9
Lavatories	Male - Required	5
	Male - Provided	5
	Female - Required	5
	Female - Provided	5
Showers	Male - Required	0
	Male - Provided	0
	Female - Required	0
	Female - Provided	0
Drinking Fountains	Required	5
	Provided	13
Unisex Toilets	Required	0
	Provided	4
Service Sink	Required	1
	Provided	2
Others (list)	Required	--
	Provided	--

FIRE SERVICE INFORMATION

Service Line Size		6	Inches
Fire Department Connection	Location	FREESTANDING OUTSIDE OF BUILDING	
Backflow	Location	DOUBLE CHECK	
	Type	OUTSIDE PIT	
Fire Hydrant Flow Test	Date	JUNE 13, 2016	
	Flow	960	GPM
	Residual	45	PSI
	Static	60	PSI

BROWNSTONE
1310 LADY STREET . SUITE 204 . COLUMBIA, SOUTH CAROLINA . 29201

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STATE OF SOUTH CAROLINA BROWNSTONE Columbia, SC No. 100797 REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA ANTHONY TERRANCE LAWRENCE Columbia, SC No. 8272 REGISTERED ARCHITECT
6.5.2020

Client
ALLENDALE-FAIRFAX COUNTY SCHOOL DISTRICT

Project
ALLENDALE PRIMARY SCHOOL

Issued For
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No.	Item	Date

Key Plan

Sheet Title
CODE ANAYLSIS

LS-001

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