Digitally signed by Virginia G Hart
Virginia G Hart Date: 2020.01.07 15:14:37-06'00'

VICINITY MAP

Firestone
COMPLETE AUTO CARE™
since 1926

NEW FIRESTONE STORE
1762 STATE RD
SUMMERVILLE, SC.

DCB TRACKING

2020 ER PROTOTYPE **WITH** APPLICABLE DCBS THROUGH DCB # 34

DCB #	ISSUED UNDER	DATE	SHEETS AFFECTED
1-34	PERMIT	12/20/19	-
--	BID	- / - / -	-
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CODE DATA SUMMARY

APPLICABLE CODES
- 2015 INTERNATIONAL BUILDING CODE (IBC) WITH SOUTH CAROLINA AMMENDMENTS
- 2015 INTERNATIONAL MECHANICAL CODE (IMC)
- 2015 INTERNATIONAL PLUMBING CODE (IPC)
- 2014 NATIONAL ELECTRICAL CODE (NEC)
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2015 INTERNATIONAL FIRE CODE (IFC) NFPA
- 2015 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2017 ICC/ANSI A117.1

BUILDING INFORMATION (2020 ER-LAYOUT)

ONE STORY METAL BUILDING, MERCHANDISING, AUTO SERVICE (MINOR REPAIR), INCIDENTAL STORAGE AREA.

SHOWROOM AREA	802 SF
ACCESSORY AREA (OFFICE,RESTROOMS)	531 SF
SERVICE AREA	3,421 SF
INVENTORY AREA	1,508 SF
GROSS TOTAL	6,262 SF

Chapter 3 - OCCUPANCY CLASSIFICATION (MIXED)
- 309.1 Occupancy Group M (Mercantile) - Showroom
- 311.2 Occupancy Group S-1 (Moderate Hazard) - Inventory
- 311.2 Occupancy Group S-1 (Moderate Hazard) - Service Areas

Chapter 5- GENERAL BUILDING HEIGHTS AND BUILDING AREAS

Table 504.3: Construction Type V-B
Group M - Allowable area = 9,000 SF, Allowable height = 1 story - 40'
Group S-1 - Allowable area = 9,000 SF, Allowable height = 1 story - 40'

Provided: 6,262 SF , 1 story 25'-0" height

Chapter 6 - TYPES OF CONSTRUCTION

602.5 Type V-B
Table 601 - Type V-B- Groups M & S-1

Structural Frame:	0 hour rating
Floor and Roof Construction:	0 hour rating
Exterior Bearing Walls:	0 hour rating

Table 602 -Type V-B - Exterior wall based on fire separation distance: All sides >10,- 0 hour rating

Chapter 7 - FIRE RATED CONSTRUCTION

705.2.2 Projections from walls of Type V Construction shall be of any approved material.
720.2 Concealed insulation materials shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 450.

Chapter 9 - FIRE PROTECTION SYSTEM

903.2.9.1- Group S-1- Repair Garages- An automatic sprinkler system shall be provided throughout all buildings used as repair garages in accordance with Section 406, as shown:
1. Buildings having two or more stories above grade plan, including basements, with a fire area containing a repair garage exceeding 10,000 square feet. **N/A**
2. Buildings not more than one story above grade plane, with a fire area containing a repair garage exceeding 12,000 square feet. **N/A**
3. Buildings with repair garages servicing vehicles parked in basements. **N/A**
4. A group S-1 fire area used for repair of commercial motor vehicles where the fire area exceeds 5,000 square feet. **N/A**

903.2.9.2 - Bulk storage of tires. Buildings and structures where the area for the storage of tires exceed 20,000 cubic feet shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
Proposed tire storage = < 20,000 CU. FT. OF TIRES. **N/A**

Tire Storage- On tread, in single and double row fixed stacks without solid shelves and 5 tiers.

A FIRE PROTECTION SYSTEM AND FIRE ALARM SYSTEM WILL BE PROVIDED.

Chapter 10 - MEANS OF EGRESS

Occupant load: Table 1004.1.2,
Gross Floor Areas: 6,262 SF
Showroom (Mercantile 802 SF/60 gross) = 14 occupants
Accessory (Break area & office 531 SF/100 gross) = 6 occupants
Service Area (3,421 SF/300 gross) = 12 occupants
Inventory (Storage 1,508 SF/300 gross) = 5 occupants
TOTAL OCCUPANTS for means of egress = 37 occupants

Egress width: 1005.3.2,
Egress width @ grade level doors = 0.20" per occupant, 37 occupants X 0.20 = 7.4" of egress width required
Provided exit width - (3) doors = 111" (#01, #07, #16)

Chapter 11- ACCESSIBILITY

1103.2.9 - Equipment spaces frequented only by personnel for maintenance, repair or monitoring of equipment are not required to be accessible.
1104.1- Accessible routes within the site shall be provided from public transportation stops, accessible parking, accessible passenger loading zones; and public streets or sidewalks to the accessible building entrance served.
1104.3.1- Employee work areas. Common use Circulation paths within employee work areas shall be accessible.
1105.1- Public Entrances, At least 60 percent of all public entrances shall be accessible.
Table 1106.1 - Accessible parking - 1 per 25 spaces.

Chapter 12 - INTERIOR ENVIRONMENT

Ventilation and Temperature control shall conform to the IMC.
1210.2.1 Toilet room floors shall have smooth, hard, nonabsorbent surface that extends upward onto the walls at least 4".
1210.2.2 Walls within 2 feet of urinals and water closets shall have a smooth, hard, nonabsorbent surface to 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture.
Accessories such as grab bars, towel dispensers, T.P. dispensers, etc, provided on or in walls, shall be installed and sealed to protect structural elements from moisture.

GENERAL NOTES

1. ALL ITEMS SHALL FULLY COMPLY WITH IBC ACCESSIBILITY GUIDELINES SECTION 1101.2 ACCESSIBLE BUILDINGS: NEW CONSTRUCTION
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE CONTRACT DOCUMENTS. THE OWNER SHALL BE NOTIFIED OF ANY UNFORESEEN CONDITIONS WHICH MAY AFFECT PROGRESS OR COST OF WORK PERFORMED.
3. FIRE EXTINGUISHERS SHALL BE LOCATED PER DIRECTION OF FIRE DEPARTMENT. REFER GENERAL NOTE #4 AND SHEET A1 FOR REQUIRED F.E. LOCATIONS.
4. G.C. SHALL PROVIDE, INSTALL AND CERTIFY (4) DRY CHEMICAL (A, B, C) @ 10 lbs. FIRE EXTINGUISHERS. LOCATE 1 SALES, 1 BREAK AREA, 1 INVENTORY AT DOOR TO SERVICE (INVENTORY SIDE), AND 1 SERVICE AT DOOR TO INVENTORY (SERVICE SIDE). MINIMUM AMOUNT OF FIRE EXTINGUISHERS WILL BE REQUIRED WHETHER OR NOT CODE REQUIRES. IF CODE REQUIRES MORE THAN STATED HEREIN, G.C. SHALL FURNISH AND INSTALL THE ADDITIONAL REQUIRED.
5. ALL SIGNAGE, SHELVING, AND ALARMS SHALL BE DEFERRED SUBMITTALS UNDER SEPARATE PERMIT SUBMISSION.
6. THE OWNER WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE REQUIRED SPECIAL INSPECTION ITEMS.
7. A VESTIBULE IS NOT INCLUDED ON THIS PROJECT BASED ON EXCEPTION 4 OF THE 2009 INTERNATIONAL ENERGY CONSERVATION CODE SECTION C502.4.7. DOORS THAT OPEN DIRECTLY FROM A SPACE LESS THAN 3,000 SQUARE FEET IN AREA.
8. FIRE PROTECTION -
   a. APPROVAL OF SPRINKLER DRAWINGS IS REQUIRED BY BRIDGESTONE CONSTRUCTION MANAGER.
   b. NO MAIN LINES RUN WITHIN THE PLAN AREA OF THE OPEN/UP POSITION OF THE OVERHEAD DOOR.
   c. FIRE SPRINKLER TEST PIPE TO BE DIRECTED TO HARDSCAPE TO AVOID WASH OUT OF OTHER TYPE MATERIAL.
   d. FIRE SPRINKLER MONITORING REQUIRED, WITH MINIMUM (1) MANUAL PULL STATION FOR FIRE SPRINKLER MONITORING.
   e. ALL AUXILIARY DRAINS AND PIPING ARE TO BE ROUTED OUT WITH SERVICE BAYS.
9. DISTRICT/STORE MANAGER/NSC TO PROVIDE MAIL BOX TYPE AND LOCATION TO THE GENERAL CONTRACTOR'S SUPERINTENDENT APPROXIMATELY 2 WEEKS BEFORE TURNOVER FOR GC TO IMPLEMENT AS FIELD CHANGE ORDER.

SUBCONTRACTOR NOTES

- THE SUB CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- THE SUBCONTRACTOR SHALL EXAMINE ENTIRE SET PRIOR TO SUBMITTING BID.

ALL RFI'S AND SUBMITTALS SHALL BE SENT TO BSRO_Submittals_RFI@sgadesigngroup.com.

PROJECT FOUNDATIONS ARE NOTED AS PRELIMINARY, REFER TO S2 SHEET FOR FURTHER INFORMATION

BUILDING DRAWING INDEX / PUBLICATION INDEX

SHT.	TITLE	DWG. DATE	REV. NO.	REV. DATE	FOR LEASE DOC.	FOR PERMIT	FOR BIDS	FOR CONST.
	GENERAL INFORMATION (FOR REFERENCE)							
T1	TITLE SHEET	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
N1	GENERAL INFORMATION	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
LS1	LIFE SAFETY PLAN	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
PSL1	PHOTOMETRIC SITE LIGHTING	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	STORE PLANNING (FOR REFERENCE)							
F1	FIXTURE PLAN & NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
F2	SHOWROOM FIXTURE PLAN & ELEVATIONS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	ARCHITECTURAL DRAWINGS							
A1	METAL BUILDING PLAN & NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A1.1	FLOOR PLAN & NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A1.2	ENLARGED PLAN DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A2	REFLECTED CEILING & FINISH PLAN	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A3	ROOF PLAN & DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A4	EXTERIOR ELEVATIONS & DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A5	BUILDING SECTIONS & DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A6	WALL SECTIONS & DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A6.1	TRASH/TIRE ENCLOSURE DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A7	INTERIOR ELEVS, SECTIONS & DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
A8	ROOM FINISH & DOOR SCHEDULES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	STRUCTURAL DRAWINGS							
S1	GENERAL NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
S2	FOUNDATION PLAN AND NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
S3	FOUNDATION DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	FIRE PROTECTION DRAWINGS							
FP1	FIRE SPRINKLER PLAN	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
FP2	FIRE SPRINKLER NOTES AND DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	FIRE ALARM DRAWINGS							
FA1	FIRE ALARM PLAN AND MATRIX	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
FA2	FIRE ALARM NOTES, PROGRAMMING AND CALCULATIONS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
FA3	FIRE ALARM DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
FA4	FIRE ALARM CONTROL PANEL LAYOUT	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	BURGLAR ALARM DRAWINGS							
BA1	INTRUSION ALARM PLAN AND MATRIX	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
BA2	INTRUSION ALARM NOTES AND CALCULATIONS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
BA3	INTRUSION ALARM CONTROL PANEL LAYOUT AND DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	MECHANICAL DRAWINGS							
M1	MECHANICAL PLAN AND NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
M2	MECHANICAL DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
M3	MECHANICAL EQUIPMENT SCHEDULES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	PLUMBING DRAWINGS							
P1	PLUMBING PLAN AND NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
P2	ENLARGED RESTROOM PLUMBING PLANS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
P3	AIR PIPING PLAN AND NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
P4	OIL PIPING DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
P5	PLUMBING DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
P6	PLUMBING SCHEDULES AND RISERS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
	ELECTRICAL DRAWINGS							
E1	LIGHTING PLAN	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
E2	POWER PLAN	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
E3	ELECTRICAL SYMBOLS, NOTES AND SCHEDULES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
E4	ELECTRICAL DETAILS	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
E5	ONE-LINE DIAGRAM, PANEL SCHEDULES AND NOTES	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -
ESL1	SITE LIGHTING PLAN	12/20/19	1	01/06/20	- / - / -	12/20/19	- / - / -	- / - / -

CANE BAY, SOUTH CAROLINA - PRODUCT APPROVALS

All products utilized need to have applicable non-Florida certifications that show compliance with minimum 140 mph wind speed.

Section Number	Section Title	Manufacturer	Product	Approval
092200	**PORTLAND CEMENT (STUCCO)**	Parex USA, Inc.	Parex USA Fiber Reinforced Stucco: La Harbra-Fastwall, TEIFS One Coat, Parex Armourwall, El Rey Fastwall and Merlex insulex	ESR-2564
077100	**ROOF SPECIALTIES**	Metal Era Inc.	Metal Era Firestone Perma-Tite Coping	FM 4435
081113	**HOLLOW METAL DOORS AND FRAMES**	Schlage Lock Company	SteelCraft D Series Single Flush Outswing Commercial Steel Doors with or without Panic Exit Devices	DR-464 (System 1)
081113	**HOLLOW METAL DOORS AND FRAMES**	Schlage Lock Company	SteelCraft D Series Single Glazed Outswing Commercial Steel Doors with or without Panic Exit Devices	DR-464 (System 3)
083613	**SECTIONAL DOORS**	Clopay	Commercial Insulated 3200 W8 Steel Sectional Garage Door	TDI 24.101705 Rev10
084313	**ALUMINUM FRAMED STOREFRONTS**	Kawneer	IR 501 Flush Glazed Aluminum Storefront	CWSF-32
087100	**DOOR HARDWARE**	As required and approved for use with the associated exterior hollow metal door and frame system having necessary approvals.		
088000	**GLAZING**	As required and approved for use with the associated storefront framing system having necessary approvals.		
107313	**AWNINGS**	Metal Awning system designed by Contractor to comply with necessary approvals		
133419	**METAL BUILDING WALL PANEL**	NUCOR Building Systems	Reverse Classic Wall Panel	UL R11635
133419	**METAL BUILDING ROOF PANEL**	NUCOR Building Systems	CFR Panel	UL R10299

DEFERRED SUBMITTALS

THE FOLLOWING SUBMITTALS ARE TO BE SUBMITTED BY THE GENERAL CONTRACTOR TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION. SUBMITTALS ARE TO BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA OR AS REQUIRED BY THE AHJ. REFER SPECIFICATIONS.

COPIES	SUBMITTALS
1	FIRE ALARM
1	SHELVING
1	FIRE PROTECTION

NOTE:

GC TO SUBMIT BATTERY CALCULATIONS WITH THE DEFFERED FIRE ALARM SUBMITTALS.

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Firestone COMPLETE AUTO CARE™ since 1926

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STIPULATION OF REUSE
THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT SUMMERVILLE, SC CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON 12/20/2019 AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

NEW FCAC STORE
2020 ER
1762 STATE RD
SUMMERVILLE, SC

STATE OF SOUTH CAROLINA — SGA DESIGN GROUP, P.C. Tulsa, OK 97042 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — VIRGINIA GAYLE HART TULSA, OK 10230 — REGISTERED ARCHITECT

01/07/2020

ISSUE BLOCK

1	01/06/20	REV #1

PROPERTY NO.:	317910
6 DIGIT NO.:	799862
4 DIGIT NO.:	013K
AOR PROJECT NUMBER:	1955B67
TO PERMIT:	DATE: 12-20-19
TO BID:	DATE: ##-##-##

KMP

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T1

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