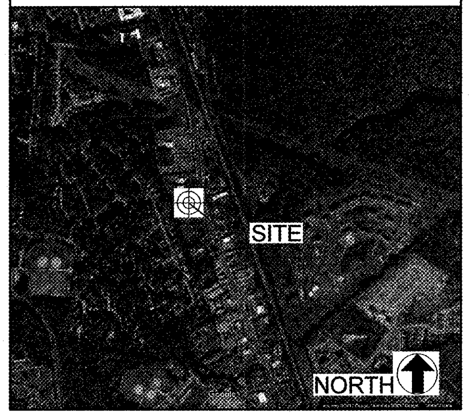
VICINITY MAP



Firestone COMPLETE AUTO CARE™

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NEW FIRESTONE STORE
1900 RICHMOND ROAD
WILLIAMSBURG, VA

DCB TRACKING

JUNE 2015 PROTOTYPE **WITH** APPLICABLE DCBS THROUGH DCB #81			
FINAL POST ON **X/X/X WITH** APPLICABLE DCBS THROUGH DCB# XX			
DCB #	ISSUED UNDER	DATE	SHEETS AFFECTED
--	PERMIT	-/-/-	-
--	BID	-/-/-	-
--	ADD#	-/-/-	-
--	CB#	-/-/-	-
--	-	-/-/-	-
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CODE DATA SUMMARY

APPLICABLE CODES
- VIRGINIA STATEWIDE BUILDING CODE 2012
- INTERNATIONAL MECHANICAL CODE 2012
- INTERNATIONAL PLUMBING CODE 2012
- NATIONAL ELECTRICAL CODE 2011 (NEC)
- INTERNATIONAL ENERGY CONSERVATION CODE 2012
- VIRGINIA STATEWIDE FIRE PREVENTION CODE 2012
- ICC A117.1 - 2009 (AS INDICATED BY THE 2012 VIRGINIA UNIFORM STATEWIDE BUILDING CODE)

BUILDING INFORMATION (ER-LAYOUT)

ONE STORY, MASONRY BUILDING WITH STEEL JOIST ROOF SYSTEM
MERCHANDISING, AUTO SERVICE (MINOR REPAIR), INCIDENTAL STORAGE AREA.

SHOWROOM AREA	1,149 SF
ACCESSORY AREA (OFFICE,RESTROOMS)	584 SF
SERVICE AREA	3,872 SF
INVENTORY AREA	1,833 SF
USED INVENTORY AREA	262 SF
GROSS TOTAL	7,700 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, 504.4, and 506.2 : 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: 7,700 SF , 1 story 24'-8" 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 (FULLY SPRINKLERED)

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 two stories or more in height, including basements, with a fire area containing a repaint garage exceeding 10,000 square feet. **N/A**
2. One-story buildings with a fire area containing a repair garage exceeding 12,000 square feet. **N/A**
3. Buildings with a repair garage servicing vehicles parked in the basement. **N/A**
4. A group S-1 fire area used for the repair of commercial trucks or buses where the fire area exceeds 5,000 sf. **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- Shelf configuration for tires placed on tread, 3" flue space 10'-0" max.
Three tier configuration with perforated catwalk access to second set of tiered tire shelving.
NOT PILED NOR PALLETIZED STORAGE.

As required, a sprinkler system shall be provided.

Chapter 10 - MEANS OF EGRESS

Occupant load: Table 1004.1.1,
Gross Floor Areas: 7,700 SF
Showroom (Mercantile 1,149 SF/60 gross) = 20 occupants
Accessory (Break area & office 584 SF/100 gross) = 6 occupants
Service Area (3,872 SF/300 gross) = 13 occupants
Inventory (Storage 1,833 SF/300 gross) = 7 occupants
Used Inventory (Storage 262 SF/300 gross) =1 occupant
TOTAL OCCUPANTS for means of egress = 47 occupants

Egress width: 1005.3.2,
Egress width @ grade level doors = 0.20" per occupant, 47 occupants X 0.20 = 9.4" of egress width required
Provided exit width - (3) doors @ 33" = 99" (#01, #21, #22)

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 2012 International Mechanical Code.
1210.1 Toilet room floors shall have smooth, hard, nonabsorbent surface that extends upward onto the walls at least 4".
1210.2 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.

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	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
N1	GENERAL INFORMATION	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
	STORE PLANNING (FOR REFERENCE)							
F1	FIXTURE PLAN AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
F2	SHOWROOM FIXTURE PLAN & ELEVATIONS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
	ARCHITECTURAL DRAWINGS							
A1	FLOOR PLAN AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A2	REFLECTED CEILING & FLOOR FINISH PLAN	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A3	ROOF PLAN AND DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A4	EXTERIOR ELEVATIONS & DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A5	BUILDING SECTIONS AND DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A6	WALL SECTIONS AND DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A6.1	WALL SECTIONS AND DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A6.2	WALL SECTIONS AND DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A7	INTERIOR ELEVS, SECTIONS & DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
A8	ROOM FINISH AND DOOR SCHEDULES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17

BUILDING DRAWING INDEX / PUBLICATION INDEX

SHT.	TITLE	DWG. DATE	REV. NO.	REV. DATE	FOR LEASE DOC.	FOR PERMIT	FOR BIDS	FOR CONST.
	STRUCTURAL DRAWINGS							
S1	GENERAL NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
S2	FOUNDATION PLAN AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
S3	FOUNDATION DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
S4	ROOF FRAMING PLAN	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
S5	FRAMING DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
S6	MISC DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
	MECHANICAL DRAWINGS							
M1	MECHANICAL PLAN AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
M2	MECHANICAL DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
M3	MECHANICAL EQUIPMENT SCHEDULES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
	PLUMBING DRAWINGS							
P1	PLUMBING PLAN AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
P2	ENLARGED RESTROOM PLUMBING PLANS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
P3	AIR PIPING PLAN AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
P4	OIL PIPING PLAN AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
P5	PLUMBING DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
P6	PLUMBING SCHEDULES AND RISERS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
	ELECTRICAL DRAWINGS							
E1	LIGHTING PLAN	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
E2	POWER PLAN	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
E3	ELECTRICAL SYMBOLS, NOTES AND SCHEDULES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
E4	ELECTRICAL DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
E5	RISER DIAGRAM, PANEL SCHEDULES AND NOTES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
FA1	FIRE ALARM PLAN	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
FA2	FIRE ALARM NOTES AND DETAILS	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
BA1	BURGLAR ALARM RISER DIAGRAM, NOTES, SCHEDULES	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17
ESL1	SITE LIGHTING PLAN	08/10/17	-	-/-/-	-/-/-	08/10/17	-/-/-	08/10/17

SPECIAL INSPECTIONS ARE REQUIRED TO BE PERFORMED AS OUTLINED IN THE STATEMENT OF SPECIAL INSPECTIONS. FOLLOW ALL REQUIREMENTS PER THIS SEPARATE DOCUMENT.

A PRE-CONSTRUCTION MEETING IS REQUIRED TO BE HELD AT THE START OF THE PROJECT. REQUIRED PARTICIPANTS INCLUDE:
- SPECIAL INSPECTOR
- SPECIAL INSPECTION AGENT
- CONTRACTOR
- SUBCONTRACTOR'S REPRESENTATIVES FOR EACH TRADE IDENTIFIED IN SPECIAL INSPECTIONS

THE FOLLOWING INDIVIDUALS ARE TO BE NOTIFIED AND ENCOURAGED TO ATTEND:
- OWNER
- REGISTERED DESIGN PROFESSIONAL FOR EACH SCOPE OF WORK
- BUILDING OFFICIAL

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, ALARMS AND FIRE PROTECTION SYSTEMS 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 2012 INTERNATIONAL ENERGY CONSERVATION CODE SECTION C402.4.7. 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 OR UP POSITION OF THE OVERHEAD DOOR.
   c. HEADS TO RUN FROM THE MAINS BETWEEN THE OVERHEAD DOORS 12' OC (NOT IN THE PLAN AREA OF THE OPEN OVERHEAD DOOR)
   d. IF SPRINKLER IS REQUIRED TO COVER ABOVE AND BELOW THE OVERHEAD DOOR, IT SHOULD BE DONE WITH A HIGH HEAD AND A LOW HEAD LOCATED BETWEEN THE OVERHEAD DOORS.
   e. CAGES FOR THE SPRINKLER HEADS SHOULD BE PROVIDED ON HEADS IN THE INVENTORY ROOM UPPER LEVEL IF THE TIRES ARE LESS THAN 36" AWAY (an extended fire sprinkler head providing only 18" clearance).
   f. IF AN IN-SHELF SYSTEM IS REQUIRED. LOCATE SPRINKLER HEADS (with a head cage protector) BETWEEN THE TIRES IN THE FLUE SPACE - NOT THE AISLE. AT THE 10'-0" LOCATION OF THE DOUBLE UPRIGHTS (4" SPACE WHERE TIRES ARE NOT LIFTED INTO THE SHELF).
   g. IF ANY SPRINKLER HEADS ARE REQUIRED IN THE INVENTORY AISLES, THE PIPE SHOULD RUN DOWN THE CENTER OF THE AISLE (LIGHTS OFFSET 2" EITHER SIDE FROM VERTICAL EDGE OF THE PIPE SIDE). THE HEADS (with a head cage protector) SHOULD BE AT THE 10'-0" LOCATION OF THE DOUBLE UPRIGHTS (4" SPACE WHERE TIRES ARE NOT LIFTED INTO THE SHELF).
   h. ALL SPRINKLER HEADS IN USED INVENTORY ARE TO BE PROVIDED WITH HEAD CAGE PROTECTION.
   i. COORDINATE PIPE LOCATIONS WITH SHELF PLACEMENT.
   j. FIRE SPRINKLER TEST PIPE TO BE DIRECTED TO HARDSCAPE TO AVOID WASH OUT OF OTHER TYPE MATERIAL.
   k. FIRE SPRINKLER MONITORING REQUIRED, WITH MINIMUM (1) PULL STATION FOR FIRE SPRINKLER MONITORING.
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.

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 VIRGINIA OR AS REQUIRED BY THE AHJ. REFER SPECIFICATIONS.

COPIES	SUBMITTALS
2	SPRINKLER HYDRAULIC CALCULATIONS
2	SPRINKLER PLANS
2	SHELVING DRAWINGS AND CALCULATIONS

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NEW FCAC STORE
2015 - JUNE- ER - RIGHT
1900 RICHMOND ROAD
WILLIAMSBURG, VA

COMMONWEALTH OF VIRGINIA
DOUG TAYRIEN
Lic. No. 0401014956
ARCHITECT
08/10/17

ISSUE BLOCK

PROPERTY NO.:	167739	
6 DIGIT NO.:	785533	
4 DIGIT NO.:	6868	
AOR PROJECT NUMBER:		1655B14
TO PERMIT:	DATE:	08/10/17
TO BID:	DATE:	TBD
DRAWN BY:		JD
CHECKED BY:		MGC

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T1

Aug 10, 2017 – 9:34am – USER: jeffd
P:\BSRO\Projects\VA – 785595\C – Drawings & Design\Building Drawings\01_FCAC_ER--T01.dwg

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