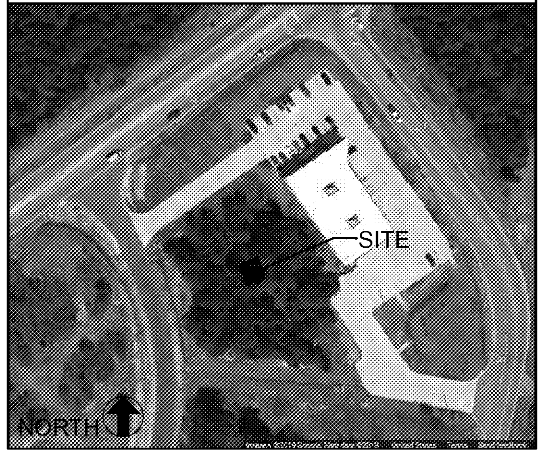
VICINITY MAP



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GARNER, NC.

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
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CODE DATA SUMMARY

APPLICABLE CODES
- 2018 NORTH CAROLINA BUILDING CODE (NCIBC)
- 2018 NORTH CAROLINA MECHANICAL CODE (NCIMC)
- 2018 NORTH CAROLINA PLUMBING CODE (NCIPC)
- 2014 NATIONAL ELECTRICAL CODE (NEC)
- 2018 NORTH CAROLINA ENERGY CONSERVATION CODE (NCIECC)
- 2018 NORTH CAROLINA FIRE CODE (NCIFC) NFPA
- ANSI A117.1 - 2017

BUILDING INFORMATION (SMALL ER-LAYOUT)

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

SHOWROOM AREA	790 SF
ACCESSORY AREA (OFFICE,RESTROOMS)	344 SF
SERVICE AREA	3,536 SF
INVENTORY AREA	1,446 SF
GROSS TOTAL	6,116 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 503: 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: 6,116 SF , 1 story 22'-10" 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: 6,116 SF
Showroom (Mercantile 790 SF/60 gross) = 14 occupants
Accessory (Break area & office 344 SF/100 gross) = 4 occupants
Service Area (3,536 SF/300 gross) = 12 occupants
Inventory (Storage 1,446 SF/300 gross) = 5 occupants
TOTAL OCCUPANTS for means of egress = 35 occupants

Egress width: 1005.3.2,
Egress width @ grade level doors = 0.20" per occupant, 35 occupants X 0.20 = 7" 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 NCIMC.
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 NCIBC 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 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 2018 NCIECC SECTION C402.5.7. 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. 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.

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	07/26/19	2	10/02/19	- / - / -	07/26/19	- / - / -	- / - / -
N1	GENERAL INFORMATION	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
PSL1	PHOTOMETRIC SITE LIGHTING	07/26/19	-	- / - / -	- / - / -	07/26/19	- / - / -	- / - / -
APPB	APPENDIX B	07/26/19	-	- / - / -	- / - / -	07/26/19	- / - / -	- / - / -
LS1	LIFE SAFETY PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
	STORE PLANNING (FOR REFERENCE)							
F1	FIXTURE PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
F2	SHOWROOM FIXTURE PLAN & ELEVATIONS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
	ARCHITECTURAL DRAWINGS							
A1	METAL BUILDING PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A1.1	FLOOR PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A1.2	ENLARGED PLAN DETAILS	09/27/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A2	REFLECTED CEILING & FINISH PLAN	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A3	ROOF PLAN AND DETAILS	07/26/19	-	- / - / -	- / - / -	07/26/19	- / - / -	- / - / -
A4	EXTERIOR ELEVATIONS & DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A5	BUILDING SECTIONS AND DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A6	WALL SECTIONS AND DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A6.1	TRASH/TIRE ENCLOSURE DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A7	INTERIOR ELEVS, SECTIONS & DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
A8	ROOM FINISH AND DOOR SCHEDULES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -

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	07/26/19	-	- / - / -	- / - / -	07/26/19	- / - / -	- / - / -
S2	FOUNDATION PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
S3	FOUNDATION DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
	MECHANICAL DRAWINGS							
M1	MECHANICAL PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
M2	MECHANICAL DETAILS	07/26/19	-	- / - / -	- / - / -	07/26/19	- / - / -	- / - / -
M3	MECHANICAL EQUIPMENT SCHEDULES	07/26/19	-	- / - / -	- / - / -	07/26/19	- / - / -	- / - / -
	PLUMBING DRAWINGS							
P1	PLUMBING PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
P2	ENLARGED RESTROOM PLUMBING PLANS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
P3	AIR PIPING PLAN AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
P4	OIL PIPING DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
P5	PLUMBING DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
P6	PLUMBING SCHEDULES AND RISERS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
	ELECTRICAL DRAWINGS							
E1	LIGHTING PLAN	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
E2	POWER PLAN	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
E3	ELECTRICAL SYMBOLS, NOTES AND SCHEDULES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
E4	ELECTRICAL DETAILS	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
E5	RISER DIAGRAM, PANEL SCHEDULES AND NOTES	07/26/19	1	09/27/19	- / - / -	07/26/19	- / - / -	- / - / -
ESL1	SITE LIGHTING PLAN	07/26/19	-	- / - / -	- / - / -	07/26/19	- / - / -	- / - / -

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 NORTH CAROLINA OR AS REQUIRED BY THE AHJ. REFER SPECIFICATIONS.

COPIES	SUBMITTALS
3	FIRE ALARM
3	SHELVING
3	FIRE PROTECTION

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.

TENANT CONTACT:	OWNER CONTACT:	ARCHITECTURAL CONTACT:	STRUCTURAL:	MECHANICAL/PLUMBING/ELECTRICAL:
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NEW FCAC STORE
2019 - JANUARY -SMALL ER
5845 NC HWY 42
GARNER, NC

SGA DESIGN GROUP, P.C. Registered Architectural Corporation 51720 North Carolina TULSA, OK

MITCHEL R. GARRETT REGISTERED ARCHITECT 12330 NORTH CAROLINA TULSA, OK

Mitchel Garrett Digitally signed by Mitchel Garrett Date: 2019.10.02 12:48:14-05'00'

10/02/2019

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1	09/27/19	ADD #1
2	10/02/19	ADD #2

PROPERTY NO.:	160017
6 DIGIT NO.:	903065
4 DIGIT NO.:	015P
AOR PROJECT NUMBER:	1955B01
TO PERMIT: DATE:	07/26/19
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T1

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