

ABBREVIATIONS

AB	ANCHOR BOLT	HC	HANDICAPPED HARDWARE
ABV	ABOVE	HO	HARDWOOD
AFF	ABOVE FINISHED FLOOR	HD	HORIZONTAL
AG	AG CONCRETE	HM	HOLLOW METAL
ADA	AMERICANS WITH DISABILITIES ACT	HR	HOUR
	ACOUSTICAL CEILING	HS	HIGHEST
ADJ	ADJUSTABLE	HVC	HEATING/VENTILATION AIR CONDITIONING
ASU	AUTOMATICALLY MOVING CURTAIN	ID	INSIDE DIMENSION / DIAMETER
ALT	ALTERNATE	IN	INCH
ALUM	ALUMINUM	INS	INSULATION
ADR	ARCHITECT OF RECORD	INT	INTERIOR
APD	APPROVED	LAM	LAMINATE
APPROX	APPROXIMATE	LG	POUNDS
AR	ARCHITECT (TYPICAL)	LS	MAXIMUM
ASPH	ASPHALT	MFG	MECHANICAL MANAGER
AUTO	AUTOMATIC	MGR	MECHANICAL
AVG	AVERAGE	MNR	MINOR
B	BOARD	MNS	MISCELLANEOUS
BD	BOARD (BLOCKING)	MNR	MASONRY OPENING
BM	BEAM	MTR	MOISTURE RESISTANT METAL
BTM	BOTTOM	MO	MO
BTD	BOTTOM OF BUILDING	MRL	METAL
BLOG	BLOG		
CB	CATCH BASIN		
CL	CENTERLINE		
CLG	CEILING		
CIRC	CIRCUIT		
CLR	CLEAR		
CMU	CONCRETE MASONRY UNIT		
CO	CLEANOUT		
COL	COLUMN		
CONC	CONCRETE		
CONST	CONSTRUCTION		
CONT	CONTINUING		
CORR	CORRIDOR		
CRS	COURSES		
CURT	CURRENT TRANSFORMER		
CTR	COUNTER		
CW	COLD WATER		
DEM (DEMOLISHED)	DEMONISHED		
DF	DRINKING FOUNTAIN		
DA	DAMPER		
DM	DIMENSION		
DN	DOWN		
DR	DOOR		
DS	DOWNSPOUT		
DTL	DETAIL		
DWR	DRAWER		
DWG	DRAWING		
(E) EXISTING			
EA	EACH		
EF	EXHAUST FAN		
EFS	EXTERIOR INSULATION FINISH SYSTEM		
EJ	EXPANSION JOINT		
EL	ELEVATION		
ELEC	ELECTRICAL		
ELEV	ELEVATION / ELEVATOR		
EMER	EMERGENCY		
EOR	ENGINEER OF RECORD		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER		
EQ	EQUIPMENT		
EQPT	EQUIPMENT		
EW	EACH WAY		
EX	EXISTING		
EKG	EXISTING		
EXP	EXPANSION		
EXT	EXTERIOR		
FAD	FACE OF FIRE ALARM PANEL		
FOP	FIRE ALARM CONTROL PANEL		
FD	FLOOR DRAIN		
FE	FIRE EXTINGUISHER		
FFE	FRESH FLOOR ELEVATION		
FN	FINISHED		
FL	FLOORING		
FLUOR	FLUORESCENT		
FND	FOUNDATION		
FR	FRESH OPENING		
FRP	FIBERGLASS REINFORCED POLYESTER		
FR	FIRE RESISTANT TREATED		
FT	FEET		
FT (F)	Footing		
FV	FIELD VERIFY		
GA	GAUGE		
GC	GENERAL CONTRACTOR		
GL	GLASS / GLAZING		
GLS	GLASS / GLAZING		
GSP	GROSS SQUARE FEET		
GWB	Gypsum Wallboard		

SYMBOLS

	ARCHITECTURAL PLAN NORTH
	SECTION CUT
	ROOM NAME
	ROOM NUMBER
	LARGE SCALE DETAIL
	REVISION
	WALL LEGEND
	BENCHMARK
	ELEVATION
	EQUIPMENT NUMBER
	WINDOW NUMBER
	DOOR NUMBER

CODE DATA

APPLICABLE CODES AND REGULATIONS

CODE	GROUP	OCCUPANCY USE	DESCRIPTION OF OCCUPANCY	PROPOSED
2015 IBC		INTERNATIONAL BUILDING CODE		
2015 IPC		INTERNATIONAL PLUMBING CODE		
2015 IFGC		INTERNATIONAL FUEL GAS CODE		
2015 IMC		INTERNATIONAL MECHANICAL CODE		
2014 NEC		NFPA 70 - NATIONAL ELECTRICAL CODE		
2015 IFC		INTERNATIONAL FIRE CODE		

CH 3 USE AND OCCUPANCY CLASSIFICATION

CODE	GROUP	OCCUPANCY USE	DESCRIPTION OF OCCUPANCY	PROPOSED
309.1	M	MERCANTILE	SALES FLOOR + BUSINESS USE SPACES	1,228 GSF
311.2	S-1	STORAGE - MODERATE HAZARD	SERVICE GARAGE - IN COMPLIANCE W/ TBL 307.1(1)	3,546 GSF
311.2	S-1	STORAGE - MODERATE HAZARD	BULK TIRE STORAGE + RECEIVING	1,812 GSF
TOTAL BUILDING AREA: 6,586 GSF				

CH 4 SPECIAL REQUIREMENTS BASED UPON USE AND OCCUPANCY

CODE	GROUP	OCC USE	COMMENTS
406.8	S-1	REPAIR GARAGE	MOTOR VEHICLE OPERATION AND VENTILATION PER IMC 502.14 EXCEPTION 3

CH 5 GENERAL BUILDING HEIGHTS AND AREAS

ALLOWABLE BUILDING HEIGHT CALCULATIONS - BASED UPON MOST RESTRICTIVE OCCUPANCY GROUP

OCCUPANCY USE	TABULAR BLDG HEIGHT	SPRINKLER INCREASE	ALLOWED BLDG HEIGHT	PROPOSED BLDG HEIGHT
M	40'-0"	N/A	40'-0"	19'-4"

ALLOWABLE BUILDING AREA CALCULATIONS - BASED UPON MOST RESTRICTIVE OCCUPANCY GROUP

OCC USE GROUP	TBL 503 TABULAR BLDG AREA	20' OPEN BUILDING PERIMETER	TOTAL BUILDING PERIMETER	PUBLIC WAY WIDTH	SECT 506.2 FRONTAGE INCREASE	SECT 506.3 SPRINKLER INCREASE	SUBTOTAL ALLOWED AREA	MULTI STORY FACTOR	ALLOWED BUILDING AREA
	A1	F	P	W	#	IS	A1 + # * IS	*	Aa
M	9,000 SF	374'-0"	374'-0"	> 30'-0"	75%	0%	15,750 SF	1	15,750 SF

CH 6 TYPES OF CONSTRUCTION

ITEM	REQUIREMENT	RATING
CONSTRUCTION DESCRIPTION	NEW ONE-STORY, SINGLE OCCUPANT, LOAD BEARING MASONRY BUILDING W/ STEEL ROOF STRUCTURE	
TYPE OF CONSTRUCTION	I-B UNPROTECTED	
FIRE SUPPRESSION	NONE (NS) NOT-SPRINKLERED	
TABLE 801	PRIMARY STRUCTURAL FRAME BEARING WALLS - EXTERIOR	0 HR
FIRE RESISTIVE REQUIREMENTS	BEARING WALLS - INTERIOR	0 HR (NORTH, EAST, SOUTH, WEST)
	FLOOR CONSTRUCTION	0 HR
	ROOF CONSTRUCTION	0 HR
	NON-BEARING WALLS - INTERIOR	0 HR
TABLE 802	NON-BEARING WALLS - EXTERIOR	0 HR 30'-0" OR GREATER (NORTH, EAST, SOUTH, WEST)

CH 7 FIRE AND SMOKE PROTECTION FEATURES

ITEM	SECTION	REQUIREMENT	RATING
706	706.4	PER TABLE 706.4	N/A - PER TABLE 602
707	713.4	SHAFT ENCLOSURES	N/A - SINGLE STORY
	TABLE 608.4	SEPARATED OCCUPANCIES	N/A - NO SEPARATION REQUIREMENT (M AND S-1 OCCUPANCIES)
	TABLE 707.3.10	FIRE AREAS	N/A - PER NFPA 101 CH 6 (SEE NFPA 101 REQUIREMENTS BELOW)

CH 8 INTERIOR FINISHES

TYPE OF SPACE	SPRINKLER	TABLE 803.11 REQUIREMENT
INTERIOR EXIT STAIRS, RAMPS, AND PASSAGeways	NOT SPRINKLERED	CLASS A GROUP M GROUP S-1 (NOT APPLICABLE)
CORRIDORS FOR EXIT ACCESS STAIRS AND RAMPS	NS	CLASS B GROUP M, S-1 (NOT APPLICABLE)
ROOMS AND ENCLOSED SPACES	NS	CLASS C GROUP M, S-1

CH 9 FIRE PROTECTION SYSTEMS

CODE	GROUP	REQUIREMENT
903.2.7	M	AUTOMATIC SPRINKLER NOT REQUIRED IN SINGLE STORY STRUCTURE UNDER 12,000 SF
903.2.9.1	S-1	AUTOMATIC SPRINKLER NOT REQUIRED IN SINGLE STORY REPAIR GARAGES UNDER 12,000 SF
903.2.9.2	S-1	AUTOMATIC SPRINKLER NOT REQUIRED WHERE BULK STORAGE OF TIRES IS LESS THAN 20,000 CF (OR TIRES = 380 CF)

NOTE: NO SPRINKLER PROVIDED. SEE ALSO CHAPTER 32 BEM FOR HIGH-PILED STORAGE REQUIREMENTS

CH 10 MEANS OF EGRESS

OCC GROUP	OCCUPANT AREA	O.L.F.	OCCUPANT LOAD	EXITS REQUIRED	EGRESS WIDTH REQUIRED	STA WIDTH PROVIDED	SINGLE EXIT EXIT TRAVEL DISTANCE	MAXIMUM EXIT ACCESS TRAVEL	EXIT TRAVEL PROVIDED
M	824 SF	60	14	1	< 75'-0"	< 75'-0"	< 75'-0"	200'-0"	< 75'-0"
B	404 SF	100	4	1	< 75'-0"	< 75'-0"	< 75'-0"	200'-0"	< 75'-0"
S-1	5,358 SF	300	18	1	< 100'-0"	< 100'-0"	< 200'-0"	< 200'-0"	

CH 29 PLUMBING SYSTEM

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED FIXTURES

REQUIREMENT	WATER CLOSET	LAVATORY	SERVICE SINK	DRINKING FOUNTAIN
	MALE	MALE	MALE	MALE
	FEMALE	FEMALE	FEMALE	FEMALE
GROUP M (OFFICE)	1 PER 50 OCC	1 PER 750 OCC	-	1 PER 1,000 OC
GROUP S (ACCESSORY)	BASED UPON PRIMARY BUSINESS FUNCTION	1 REQUIRED	1 REQUIRED	1 PER 1,000 OC
FIXTURES REQ'D	1	1	1	1
FIXTURES PROVIDED	2	2	1	2 (H-LD)

IFC CH 32 HIGH-PILED COMBUSTIBLE STORAGE

COMMODITY CLASS	HIGH HAZARD
HIGH-PILED AREA	1,732 SF NONPUBLIC ACCESSIBLE - OPTION 2
MAX PILE DIMENSION (FT)	94'-0" MAX RACKING LENGTH
MAX PILE HEIGHT (FT)	14'-6" MAX STORAGE HEIGHT (14'-0" HIGH RACKING SYSTEM)
MAX PILE VOLUME (CF)	940 SF RACKING X 14.5" H = 13,630 CF
SPRINKLER TYPE	NOT-SPRINKLERED
FIRE DETECTION	REQUIRED / PROVIDED - FIRE/SMOKE DETECTORS PROVIDED IN TIRE STORAGE
BUILDING ACCESS	REQUIRED / PROVIDED EVERY 100 FT WITHIN 150 FT OF FIRE ACCESS RD
SMOKE & HEAT REMOVAL	REQUIRED / PROVIDED - SMOKE AND HEAT VENT LOCATED IN TIRE STORAGE ROOF

NFPA 101 CH 6 CLASSIFICATION OF OCCUPANCY AND HAZARD CONTENTS

CODE	CLASSIFICATION	REQUIREMENT / COMMENT
NFPA 101.6.1.4.1.3	OCCUPANCY - PREDOMINANT	SERVICE GARAGE
MIXED OCCUPANCIES	OCCUPANCY - INCIDENTAL	MERCANTILE, BULK TIRE STORAGE
NFPA 101.6.2.2	LOW HAZARD CLASSIFICATION	MERCANTILE SERVICE GARAGE, BULK TIRE STORAGE
NFPA 101 TABLE 6.1.4.4.1(b)	OCCUPANCY SEPARATIONS	NO SEPARATION REQUIRED

PROJECT INFORMATION

NEW BUILDING SHELL AND TENANT IMPROVEMENT FOR:

NTTB
TIRE & SERVICE CENTERS

STORE 929 - NEW LOCATION
107-111 BRANNON DRIVE
GREER, SOUTH CAROLINA 29651

PARCEL ID T015000300300, T015000300301 - ZONING C - 2 COMMERCIAL

PROJECT TEAM

OWNER:	ARCHITECT:	MECHANICAL / PLUMBING ENGINEER:
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GENERAL PROJECT NOTES

- THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS. THE SHALL VERIFY ALL WORK SHOWN IS VIABLE. ANY CONFLICTS OR OMISSIONS, ETC. SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMANCE OF ANY WORK OR QUESTION.
- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE OWNER'S REPRESENTATIVE BEFORE COMMENCING CONSTRUCTION. ALL DIMENSIONS ARE TO FACE OF GYP BOARD OR FACE OF BLOCK UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE ALL TRADES. CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS AND DIMENSIONS OF EQUIPMENT PRIOR TO ENCLOSING AREA WHERE EQUIPMENT IS TO BE PLACED, INCLUDING CASEWORK SIZES. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR FIRE PROTECTION, PLUMBING, MECHANICAL & ELECTRICAL SYSTEMS PRIOR TO INSTALLATION OF THOSE SYSTEMS UNLESS NOTED OTHERWISE. TBC VENDORS SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR THE FIRE ALARM AND THE EXTERIOR BUILDING SIGNAGE.
- CONCEAL ALL PIPING INSIDE WALL, WHERE PIPING IS TOO LARGE, WALLS ARE TO BE FURRED OUT THE MINIMUM DIMENSION TO CONCEAL PIPING.
- ELECTRICAL PANELS, FIRE EXTINGUISHER CABINETS, ETC. IN STUD WALLS SHALL BE BACKED WITH DRYWALL AS REQUIRED TO MAINTAIN WALL RATING. CONTRACTOR TO VERIFY WALL THICKNESSES REQUIRED FOR ALL ELECTRICAL PANELS, FIRE EXTINGUISHER CABINETS, ETC.
- PROVIDE DOUBLE STUDS & BLOCKING AS REQUIRED TO SUPPORT EQUIPMENT AND/OR MISCELLANEOUS ITEMS, - TYP. CASEWORK, GRAB BARS, BABY CHANGING STATIONS, ETC.
- FIREPROOFING, SEALANTS & DAMPERS MAY NOT BE SHOWN ON SOME DETAILS FOR CLARITY. HOWEVER, ALL ASSEMBLIES MUST BE INSTALLED AS REQUIRED TO MAINTAIN RATING INDICATED ON PLANS. ALL PENETRATION SEALANTS OR ASSEMBLIES SHALL BE UL LISTED (OR EQUIVALENT) FOR INSTALLATION WITHIN THE RATED WALL ASSEMBLY NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE OWNER'S REPRESENTATIVE BEFORE CONTINUING CONSTRUCTION.
- WHERE WALL RATINGS APPEAR ON BOTH SIDES OF DOORS AND OR WINDOWS THE WALL TYPE SHOWN SHALL CONTINUE ABOVE THE FRAME TO THE CEILING OR STRUCTURE AS APPLICABLE.
- THE HINGE SIDE OF ALL INTERIOR DOOR FRAMES SHALL BE PLACED 5" FROM THE ADJACENT INTERIOR WALL UNLESS NOTED OTHERWISE. INTERIOR DOORS PLACED IN MASONRY WALLS SHALL BE PLACED A MINIMUM OF 5" AWAY FROM ADJACENT INTERIOR WALLS AND A MAXIMUM OF 8" AWAY FROM ADJACENT INTERIOR WALLS TO COORDINATE WITH MASONRY COURSING.
- GENERAL CONTRACTOR SHALL RETAIN ONE SET OF THE PLANS IN GOOD CONDITION TO NOTE & DOCUMENT ALL CHANGES DURING CONSTRUCTION. THIS SET OF PLANS SHALL BE RETURNED TO THE OWNER AS PART OF THE REQUIRED CLOSE OUT PACKAGE.
- CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE A WALK-THRU WITH THE OWNER AND TENANT TO REVIEW 50% & 100% COMPLETION.
- ELECTRICAL PANELS SHALL BE SCHEDULED A WALK-THRU WITH THE OWNER AND TENANT TO REVIEW 50% & 100% COMPLETION.
- DIMENSIONS ARE TO FACE OF GYP. BD. OR CMU UNLESS NOTED OTHERWISE.

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2	1/19/18

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VICINITY MAP

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PROJECT INFORMATION:
NTTB
TIRE & SERVICE CENTERS
GREER, SOUTH CAROLINA

STATE OF SOUTH CAROLINA
REGISTERED ARCHITECT
ROBERT C. NITISHIN

PROJECT NO.: 20180011
DRAWN BY: [REDACTED]
CHECKED BY: [REDACTED]
ISSUE DATE: [REDACTED]
ISSUED FOR PERMIT: 10/10/2018

REVISION: DATE:
1. PLAN REVIEW COMMENT 1/22/18
2. DRAIN UPDATE 1/19/18

SHEET TITLE:
T1

SHEET NUMBER:
T1