



1 CODE SUMMARY PLAN
 G1.1 SCALE: 1/8" = 1'-0"

Order Plans

PROJECT DATA	
REAL ESTATE PROPERTY GROSS AREA:	40,284 GSF
SITE PARKING GROSS AREA:	25,700 GSF
BUILDING BUILDING GROSS AREA:	7,225 GSF
BUILDING INTERIOR AREA:	6,955 SF

HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS)	
<p>(A) UPON REQUEST OWNER TO PROVIDE UNDER SEPARATE COVER, PROJECT HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) FOR COMMODITY TYPES, HAZARD CLASS, AND QUANTITIES.</p> <p>(B) OWNER RESPONSIBLE FOR MONITORING INVENTORY COMMODITY TYPES AND QUANTITIES TO NOT EXCEED CODE REQUIREMENTS.</p>	

OCCUPANCY LOAD SUMMARY		
ROOM OR AREA (REFER TO FLOOR PLAN)	AREA PER OCCUPANT (S.F.)	OCCUPANTS (QTY.)
100 - VESTIBULE	N/A	0
100 - PARTS AREA "A"	60	56
101 - PARTS AREA "B"	300	7
102 - OFFICE	100	1
103 - RESTROOM	N/A	0
104 - RESTROOM	N/A	0
105 - PARTS AREA "C"	300	5
TOTAL OCCUPANCY		69

BUILDING CODE	
BUILDING OFFICIAL CONTACT NUMBER:	(205) 968-1701
COUNTY:	DURHAM
ZIP CODE:	27703
GOVERNING CODES AND ORDINANCES	
BUILDING CODE:	2018 NCBC
PLUMBING CODE:	2018 NCPC
MECHANICAL CODE:	2018 NCMC
ELECTRICAL CODE:	2018 NCEC
FIRE CODE:	2018 NCFE
ENERGY CODE:	2018 NCECC
ACCESSIBILITY CODE:	2018 NCBC
AMENDING ORDINANCE:	NC STATE
USE GROUP & CONSTRUCTION TYPE	
PRIMARY USE GROUP:	M (MERCANTILE)
MIXED USE AND OCCUPANCY:	NONSEPERATED II-B
CONSTRUCTION TYPE:	II-B
(NON-COMBUSTIBLE / UNPROTECTED)	
AREA MODIFICATIONS	
FRONTAGE INCREASE:	NOT APPLIED
AUTOMATIC SPRINKLER INCREASE:	NOT PROVIDED
ALLOWABLE HEIGHT & BUILDING AREA	
NO. STORIES:	2 STORIES
AREA:	12,100 SQ. FT.
ACTUAL HEIGHT & BUILDING AREA	
NO. OF STORIES:	1 STORY
BUILDING HEIGHT:	19'-0"
GROSS BUILDING AREA:	7,225 SQ. F.T
FIRE PROTECTION SYSTEMS	
AUTOMATIC SPRINKLER SYSTEM:	NOT REQUIRED
PORTABLE FIRE EXTINGUISHERS:	REQUIRED
FIRE ALARM SYSTEM:	NOT REQUIRED
AUTOMATIC DETECTION SYSTEM:	NOT REQUIRED
STRUCTURAL DESIGN (REFER TO STRUCTURAL DRAWINGS)	
1. LIVE LOADS	20 PSF (REDUCIBLE)
ROOF (1/4"12):	
2. ROOF COLLATERAL LOADS	
A. ARCHITECTURAL / MECHANICAL:	2.5 PSF
B. SUSPENDED ACOUSTICAL CEILING SYSTEM LOAD (WHERE OCCURS):	2.0 PSF
C. SPRINKLER SYSTEM	
UNIFORM BRANCH PIPE LOAD:	0.0 PSF
LINEAL LOOP / TEE MAIN PIPE LOAD:	0.0 PLF
3. SNOW LOADS $C_e = 1.0$ $C_t = 1.0$	
GROUND LOAD (Pg):	15 PSF
MINIMUM ROOF SNOW LOAD (Pf):	15.5 PSF
IMPORTANCE FACTOR (Is):	1.0
4. WIND LOADS $G_Cp_i = \pm 0.18$	
BASIC WIND SPEED:	$V_{ult} = 115$ MPH $V_{des} = 89.1$ MPH
EXPOSURE:	C
5. SEISMIC	
Ss:	0.153
S1:	0.076
Sds:	0.163
Sd1:	0.122
IMPORTANCE FACTOR (Ie):	1.0
SITE CLASS:	D
DESIGN CATEGORY:	B
6. BUILDING LATERAL DEFLECTION LIMITS: (REFERENCE CODE DEFLECTION LIMITS, WHERE MORE STRINGENT CODE DEFLECTION LIMITS APPLY, THEY SHALL SUPERSEDE THE FOLLOWING)	
MAX. ROOF SNOW OR LIVE LOAD DEFLECT.:	SPAN/240
MAX. ROOF TOTAL LOAD DEFLECT.:	SPAN/180
COMMERCIAL ENERGY EFFICIENCY CODE COMPLIANCE WITH BUILDING ENERGY EFFICIENCY REQUIREMENTS BASED UPON APPLICABLE ENERGY CODE (PERFORMANCE METHOD).	
CERTIFICATE OF COMPLIANCE AND CALCULATIONS TO BE PROVIDED UPON REQUEST UNDER SEPARATE COVER.	

GENERAL NOTES	
(A)	REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
(B)	REFER TO PLANS, SECTIONS, AND DETAILS FOR CONSTRUCTION OF FIRE RATED ASSEMBLIES. WHERE UNDERWRITERS LABORATORY (UL) TEST NUMBERS ARE REFERENCED, CONTRACTOR SHALL PROVIDE CONSTRUCTION MATERIALS, MEANS AND METHODS TO COMPLY WITH TESTED ASSEMBLY.
(C)	REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
(D)	OWNER FURNISHED AND INSTALLED FURNISHINGS AND FIXTURES SHOWN FOR REFERENCE ONLY.
(E)	CONTRACTOR TO PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION TO PROTECT THE WORK AREA AND EACH STORAGE UNIT AND JOB TRAILER PER THE FIRE CODE.
(F)	SURFACE MOUNTED PORTABLE FIRE EXTINGUISHERS SHALL BE UL LISTED TABLE 10.1.1 WITH 10 LBS. CAPACITY. REFER TO DETAIL 10.1.1 FOR TYPICAL INSTALLATION REQUIREMENTS.
(G)	EXIT CHARGE DOORS, PROVIDE TACTILE EXIT SIGNS STATING "EXIT" AND BRITTLE (GRADE 2 CONTRACTED) LETTERING. SIGN CONSTRUCTION AND MOUNTING TO COMPLY WITH ANSI A117.1. REFER TO FLOOR PLAN FOR LOCATIONS.
(H)	EMERGENCY LIGHT AND EMERGENCY EXIT LIGHT LOCATIONS SEE SHEET E1.

SYMBOLS LEGEND	
M	PRIMARY USE GROUP: (MERCANTILE)
II-B	CONSTRUCTION TYPE: (COMBUSTIBLE/PROTECTED)
325 SF	ROOM SQUARE FOOTAGE
(100)	DESIGN OCCUPANT LOAD SERVED BY EXIT: MAXIMUM ALLOWABLE CAPACITY (EXAMPLE: 36'12" = 180)
(N)	OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD:
(1)	(1) HOUR FIRE SEPARATION ASSEMBLY EXTENDS UP TO DECK, FIRE SEAL COMPLETELY.
(2)	(2) HOUR FIRE SEPARATION ASSEMBLY EXTENDS UP TO DECK OR MIN. 30" ABOVE DECK, FIRE SEAL COMPLETELY.
u	ROOM OCCUPANT LOAD NOT COUNTED IN:
(16)	ROOM OCCUPANT LOAD AT 5 SQ. FT. NET PER PERSON:
(17)	ROOM OCCUPANT LOAD AT 7 SQ. FT. NET PER PERSON:
(18)	ROOM OCCUPANT LOAD AT 15 SQ. FT. NET PER PERSON:
(19)	ROOM OCCUPANT LOAD AT 20 SQ. FT. NET PER PERSON:
(20)	ROOM OCCUPANT LOAD AT 30 SQ. FT. GROSS PER PERSON:
(21)	ROOM OCCUPANT LOAD AT 100 SQ. FT. GROSS PER PERSON:
(22)	ROOM OCCUPANT LOAD AT 200 SQ. FT. GROSS PER PERSON:
(23)	ROOM OCCUPANT LOAD AT 300 SQ. FT. GROSS PER PERSON:
(24)	ROOM OCCUPANT LOAD AT 500 SQ. FT. GROSS PER PERSON:
(25)	ROOM OCCUPANT LOAD AT 18" OF SEAT PER PERSON:
(26)	FIRE ALARM PULL STATION
(27)	FIRE AUDIBLE & VISUAL ALARM
(28)	FIRE ALARM STROBE
(29)	EMERGENCY EXIT LIGHTING
(30)	EMERGENCY LIGHTING
(31)	FIRE EXTINGUISHER (SURFACE MOUNTED)
(32)	FLOOR/CEILING FIRE RATED ASSEMBLY
(33)	EXIT ACCESS TRAVEL DISTANCE (LENGTH IN FEET)
(34)	CLEAR FLOOR AREA (EXIT DOOR AND / OR FIRE EXTINGUISHER)

PLUMBING FIXTURE SUMMARY	
GENERAL	
IPC TABLE 403.1	
PRIMARY OCCUPANCY: (M) MERCANTILE	
TOTAL OCCUPANCY:	69
OCCUPANCY LOAD CALCULATED PER SEX:	
FEMALE:	69 / 2 = 35
MALE:	69 / 2 = 35
PLUMBING FIXTURES	
WATER CLOSETS (URINALS):	1 PER 500
REQUIRED FOR FEMALE:	35/500 = 1
PROVIDED FOR FEMALE:	1
REQUIRED FOR MALE:	35/500 = 1
PROVIDED FOR MALE:	1 AND 1
URINAL	
LAVATORIES:	1 PER 750
REQUIRED FOR FEMALE:	35/750 = 1
PROVIDED FOR FEMALE:	1
REQUIRED FOR MALE:	35/750 = 1
PROVIDED FOR MALE:	1
DRINKING FOUNTAINS:	1 PER 1,000
REQUIRED:	69/1000 = 1
PROVIDED:	2
SERVICE SINK REQUIRED:	1
SERVICE SINK PROVIDED:	1

ARCHITECT OF RECORD
JOHN TORGERSON
 ARCHITECT LICENSE NUMBER
 13895

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torgerson DESIGN partners

PROJECT:
 NEW O'REILLY AUTO PARTS STORE
 2801 SOUTH MIAMI BLVD.
 DURHAM, NC 27703

CODE SUMMARY PLAN

O'Reilly AUTO PARTS

CORPORATE OFFICES
 833 SOUTH PATTERSON
 SPRINGFIELD, MISSOURI 65802
 (417) 882-2674 TELEPHONE

DRAWN BY: **SM** CHECKED BY: **KR**

DATE: **12/20/19**

REVISION:

PROJECT NUMBER:
19261-DC1

SHEET NUMBER
G1.1

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