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PROJECT:
NEW O'REILLY AUTO PARTS STORE
CLEVELAND HIGHWAY
VARNELL, GA

O'Reilly AUTO PARTS
 CORPORATE OFFICES
 233 SOUTH PATTERSON
 SPRINGFIELD, MISSOURI 65802
 (417) 862-2074 TELEPHONE

COMM # 4420
 DATE: 2-28-2020
 REVISION
 DATE: 4-10-2020
 REVISION
 DATE: 7-20-2020

G1.1

BUILDING CODE

BUILDING OFFICIAL CONTACT NUMBER: (706) 275-7474
 COUNTY: WHITFIELD
 ZIP CODE: 30710

GOVERNING CODES AND ORDINANCES
 BUILDING CODE: 2018 IBC W/ GA AMEND.
 PLUMBING CODE: 2018 IPC W/ GA AMEND.
 MECHANICAL CODE: 2018 IMC W/ GA AMEND.
 ELECTRICAL CODE: 2017 NEC W/ GA AMEND.
 FIRE CODE: 2018 IFC W/ GA AMEND.
 ENERGY CODE: 2015 IECC W/ GA AMEND.
 ACCESSIBILITY CODE: 2010 ADA
 AMENDING ORDINANCE: WHITFIELD COUNTY MUNICIPAL CODE

USE GROUP & CONSTRUCTION TYPE
 PRIMARY USE GROUP: M (MERCANTILE)
 CONSTRUCTION TYPE: II-B
 (NON-COMBUSTIBLE / UNPROTECTED)

AREA MODIFICATIONS
 FRONTAGE INCREASE: NOT APPLIED
 AUTOMATIC SPRINKLER INCREASE: NOT PROVIDED

ALLOWABLE HEIGHT & BUILDING AREA
 NO. OF STORIES: 1 STORY
 AREA: 12,000 SQ. FT.

ACTUAL HEIGHT & BUILDING AREA
 NO. OF STORIES: 1 STORY
 BUILDING HEIGHT: 19'-00"
 GROSS BUILDING AREA: 7,225 SQ. FT.

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
 ROOF (1/4"12): 20 PSF (REDUCIBLE)

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 Ce = 1.0 Ct = 1.0
 GROUND LOAD (Pg): 10 PSF
 MINIMUM ROOF SNOW LOAD (P_f): 12 PSF
 IMPORTANCE FACTOR (Is): 1.0

4. WIND LOADS G_{CFI} = ± 0.18
 BASIC WIND SPEED: V_{ult} = 106 MPH
 V_{ref} = 82.1 MPH
 EXPOSURE: C

5. SEISMIC
 S_s: 0.545
 S₁: 0.126
 S_{ds}: 0.496
 S_{d1}: 0.197
 IMPORTANCE FACTOR (I_e): 1.0
 SITE CLASS: D
 DESIGN CATEGORY: C

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 AS REQUIRED 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 TYPE WITH 10 LBS. CAPACITY. REFER TO DETAIL 101A FOR TYPE AND MOUNTING REQUIREMENTS.
- (G) EXIT CHARGE DOORS, PROVIDE TACTILE EXIT SIGNS STATING "EXIT" CONTRACTED (GRADE 2) BRAILLE SIGN CONSTRUCTION AND MOUNTING TO COMPLY WITH ANSI A117.1. REFER TO FLOOR PLAN FOR LOCATIONS.

SYMBOLS LEGEND

- 325 SF ROOM SQUARE FOOTAGE
- DESIGN OCCUPANT LOAD SERVED BY EXIT; MAXIMUM ALLOWABLE CAPACITY (EXAMPLE: 30' (2" = 100))
- OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD:
- ROOM OCCUPANT LOAD AT 80 SQ. FT. GROSS PER PERSON
- ROOM OCCUPANT LOAD AT 100 SQ. FT. GROSS PER PERSON
- ROOM OCCUPANT LOAD AT 300 SQ. FT. GROSS PER PERSON
- FIRE EXTINGUISHER (SURFACE MOUNTED)
- TES LOCATION OF TACTILE EXIT SIGNAGE
- EGRESS TRAVEL PATH STARTING POINT
- EXIT ACCESS TRAVEL DISTANCE (LENGTH IN FEET)
- EXTERIOR WALL LIGHT
- CLEAR FLOOR AREA (EXIT DOOR AND / OR FIRE EXTINGUISHER)
- REFER TO LIGHTING PLAN FOR EMERGENCY EXIT LIGHTING LOCATIONS

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

PROJECT DATA

REAL ESTATE PROPERTY GROSS AREA:	57,500 GSF
SITE PARKING GROSS AREA:	14,995 GSF
BUILDING BUILDING GROSS AREA:	7,225 GSF
BUILDING INTERIOR AREA:	6,862 SF

HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS)

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

OCCUPANCY LOAD SUMMARY

ROOM OR AREA (REFER TO FLOOR PLAN)	AREA PER OCCUPANT(S.F.)	OCCUPANTS (QTY.)
100 - PARTS AREA "A"	60	56
100A - VESTIBULE	N/A	0
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

1 CODE SUMMARY PLAN

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

CONTRACTOR TO PROVIDE AND INSTALL LOCK BOX NEAR EAST ENTRANCE. FINAL LOCK BOX TO BE CONFIRMED WITH OWNER AND FIRE MARSHAL IN FIELD PRIOR TO INSTALLATION.



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