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**ESTERLY
SCHNEIDER
&
ASSOCIATES, INC.**
architects & planners
AIA

PROJECT:
NEW O'REILLY AUTO PARTS STORE
U.S. HWY 231
MURFREESBORO, TN #5
CODE SUMMARY PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4219
DATE: 8-17-18
REVISION
DATE:

BUILDING CODE

BUILDING OFFICIAL CONTACT NUMBER: (615) 898-7734
COUNTY: RUTHERFORD
ZIP CODE: 37130

GOVERNING CODES AND ORDINANCES
BUILDING CODE: 2012 IBC
PLUMBING CODE: 2012 IPC
MECHANICAL CODE: 2012 IMC
ELECTRICAL CODE: 2014 NEC
FIRE CODE: 2012 IFC
ENERGY CODE: 2009 IECC
AMENDING ORDINANCE: RUTHERFORD COUNTY

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: 2 STORIES
AREA: 12,500 SQ. FT.

ACTUAL HEIGHT & BUILDING AREA
NO. OF STORIES: 1 STORY
BUILDING HEIGHT: 19'-0"
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 $C_e = 1.0$ $C_t = 1.0$
GROUND LOAD (P_g): 10 PSF
MINIMUM ROOF SNOW LOAD (P_f): 12 PSF
IMPORTANCE FACTOR (I_s): 1.0

4. WIND LOADS $G_Cp_i = \pm 0.18$
BASIC WIND SPEED: $V_{10} = 115$ MPH
 $V_{60} = 89.1$ MPH
EXPOSURE: C

5. SEISMIC
 $S_s = 0.253$
 $S_1 = 0.128$
 $S_{ds} = 0.202$
 $S_{d1} = 0.143$
IMPORTANCE FACTOR (I_e): 1.0
SITE CLASS: C
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 FIRE ALARMS 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 TRAILER PER THE FIRE CODE.
- (F) SURFACE MOUNTED PORTABLE FIRE EXTINGUISHERS SHALL BE UL LISTED ABOVE TYPE, WITH 10 LBS. CAPACITY. REFER TO DETAIL FOR MOUNTING REQUIREMENTS.

SYMBOLS LEGEND

- 325 SF ROOM SQUARE FOOTAGE
 - DESIGN OCCUPANT LOAD SERVED BY EXIT; MAXIMUM ALLOWABLE CAPACITY (EXAMPLE: 36' 12" = 180)
 - OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD
 - ROOM OCCUPANT LOAD AT 30 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)
 - 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: 124

OCCUPANCY LOAD CALCULATED PER SEX:
FEMALE: 124 / 2 = 62
MALE: 124 / 2 = 62

PLUMBING FIXTURES
WATER CLOSETS (URINALS): 1 PER 500
REQUIRED FOR FEMALE: 62/500 = 1
PROVIDED FOR FEMALE: 1
REQUIRED FOR MALE: 62/500 = 1
PROVIDED FOR MALE: 1 AND 1 URINAL

LAVATORIES:
REQUIRED FOR FEMALE: 1 PER 750
PROVIDED FOR FEMALE: 124/750 = 1
REQUIRED FOR MALE: 62/750 = 1
PROVIDED FOR MALE: 1

DRINKING FOUNTAINS:
REQUIRED: 1 PER 1,000
PROVIDED: 124/1000 = 1
2

SERVICE SINK REQUIRED: 1
SERVICE SINK PROVIDED: 1

OCCUPANCY LOAD SUMMARY

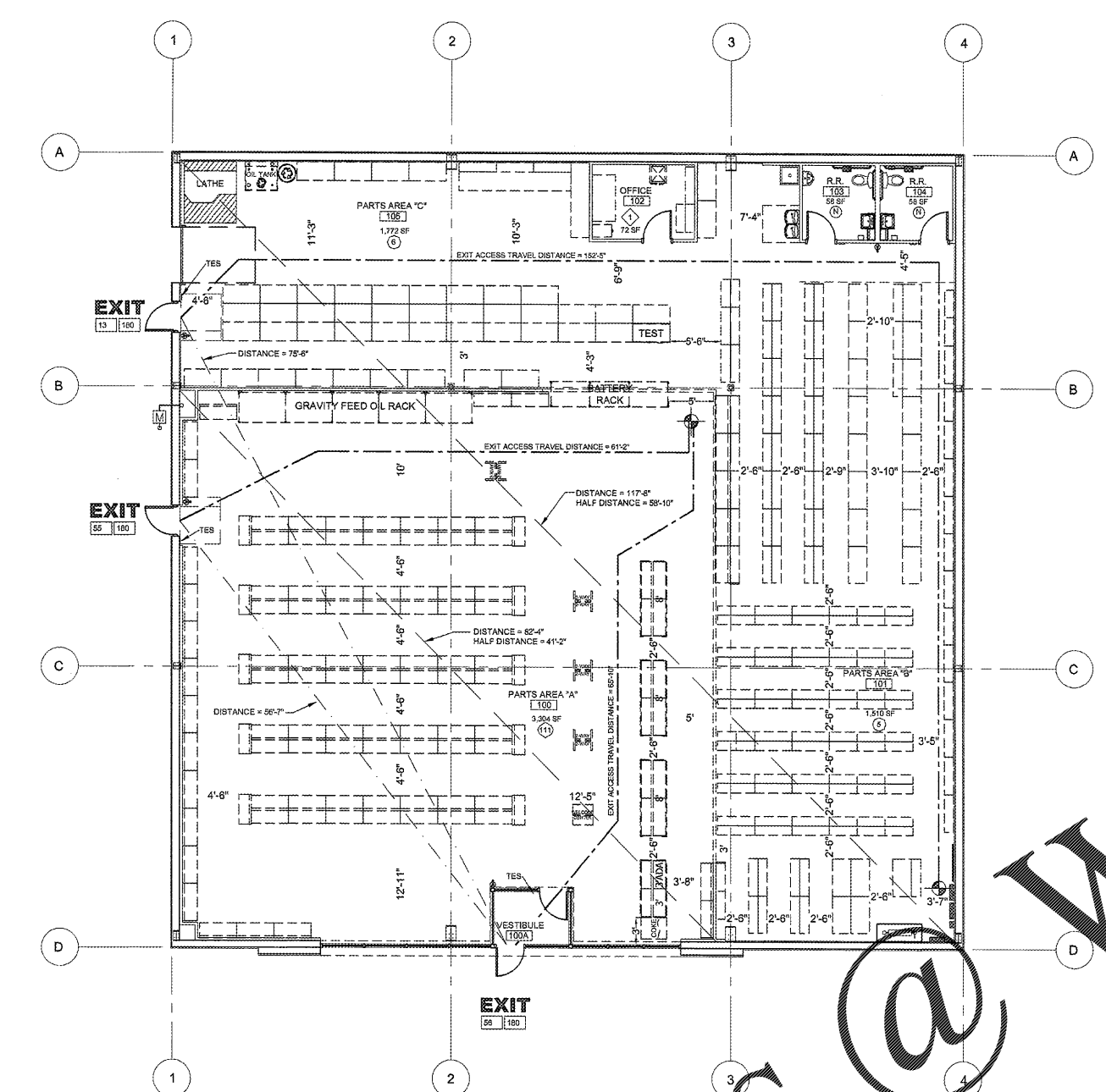
ROOM OR AREA (REFER TO FLOOR PLAN)	AREA PER OCCUPANT(S.F.)	OCCUPANTS (QTY.)
100 - PARTS AREA "A"	30	111
101 - PARTS AREA "B"	300	6
102 - OFFICE	100	1
103 - RESTROOM	N/A	0
104 - RESTROOM	N/A	0
105 - PARTS AREA "C"	300	6
TOTAL OCCUPANCY		124

PROJECT DATA

REAL ESTATE	
PROPERTY GROSS AREA:	63,363 GSF
SITE	
PARKING GROSS AREA:	15,824 GSF
BUILDING	
BUILDING GROSS AREA:	7,225 GSF
BUILDING INTERIOR AREA:	6,955 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.



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

Order Plans @