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ESTERLY TSCHNEIDER & ASSOCIATES, INC.
architects & planners
AIA

PROJECT: **NEW O'REILLY AUTO PARTS STORE**
U.S. HWY 64
SOMERVILLE, TN
CODE SUMMARY PLAN

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

COMM # 4231
DATE: 9-11-18
REVISION
DATE:

G1.1

BUILDING CODE

BUILDING OFFICIAL CONTACT NUMBER: (901) 465-9500
COUNTY: FAYETTE
ZIP CODE: 38068

GOVERNING CODES AND ORDINANCES
BUILDING CODE: 2015 IBC
PLUMBING CODE: 2015 IPC
MECHANICAL CODE: 2015 IMC
ELECTRICAL CODE: 2012 NEC
FIRE CODE: 2015 IFC
ENERGY CODE: ASHRAE 90-2010
AMENDING ORDINANCE: TOWN CODE OF ORDENANCE

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. 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)
LIVE LOADS
ROOF (1/4"X12): 20 PSF

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): 10 PSF
MINIMUM ROOF SNOW LOAD (P_f): 12 PSF
IMPORTANCE FACTOR (I_s): 1.0

4. WIND LOADS $G_C p_i = \pm 0.18$
BASIC WIND SPEED: $V_{ult} = 115$ MPH
 $V_{asd} = 89.1$ MPH
EXPOSURE: C

5. SEISMIC
S_s: 0.758
S₁: 0.272
S_{ds}: 0.605
S_{d1}: 0.337
IMPORTANCE FACTOR (I_e): 1.0
SITE CLASS: D
DESIGN CATEGORY: D

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
SPAN/240

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 EQUIPMENT 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 AS TYPE I WITH 10 LBS. CAPACITY. REFER TO DETAIL 12 FOR TYPICAL MOUNTING REQUIREMENTS.
- (G) EXIT CHARGES SHALL PROVIDE TACTILE EXIT SIGNS STATING "EXIT WITH BRACKET MOUNTING, SIGN AND MOUNTING TO COMPLY WITH AS 1117.1. 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' = 150)
 - (H) OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD:
 - (20) ROOM OCCUPANT LOAD AT 60 SQ. FT. GROSS PER PERSON:
 - (40) ROOM OCCUPANT LOAD AT 100 SQ. FT. GROSS PER PERSON:
 - (60) ROOM OCCUPANT LOAD AT 300 SQ. FT. GROSS PER PERSON:
 - (E) 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: 68

OCCUPANCY LOAD CALCULATED PER SEX:
FEMALE: 68 / 2 = 34
MALE: 68 / 2 = 34

PLUMBING FIXTURES
WATER CLOSETS (URINALS): 1 PER 500
REQUIRED FOR FEMALE: 34/500 = 1
PROVIDED FOR FEMALE: 1
REQUIRED FOR MALE: 34/500 = 1
PROVIDED FOR MALE: 1 AND 1 URINAL

LAVATORIES:
REQUIRED FOR FEMALE: 1 PER 750
PROVIDED FOR FEMALE: 34/750 = 1
REQUIRED FOR MALE: 1
PROVIDED FOR MALE: 34/750 = 1

DRINKING FOUNTAINS:
REQUIRED: 1 PER 1,000
PROVIDED: 68/1000 = 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"	60	56
101 - PARTS AREA "B"	300	5
102 - OFFICE	100	1
103 - RESTROOM	N/A	0
104 - RESTROOM	N/A	0
105 - PARTS AREA "C"	300	6
TOTAL OCCUPANCY		68

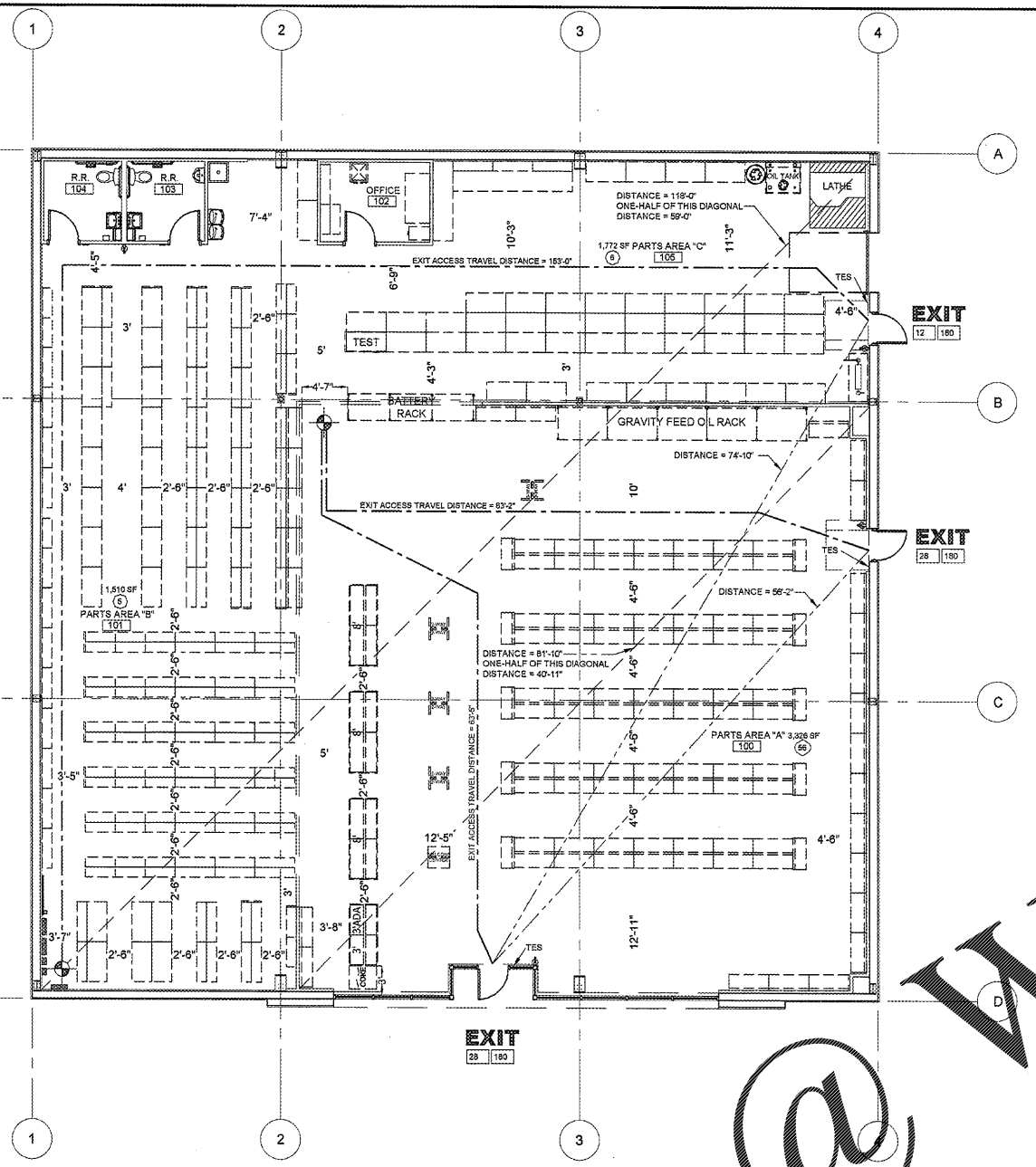
PROJECT DATA

REAL ESTATE PROPERTY GROSS AREA:	59,388 GSF
SITE PARKING GROSS AREA:	22,210 GSF
BUILDING GROSS AREA:	7,225 GSF
BUILDING INTERIOR AREA:	6,835 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"



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