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PROJECT:
NEW O'REILLY AUTO PARTS STORE
U.S. HIGHWAY 11
STRASBURG, VA
CODE SUMMARY PLAN

O'Reilly AUTO PARTS
 CORPORATE OFFICES
 233 SOUTH PATTERSON
 SPRINGFIELD, MISSOURI 65802
 (417) 862-2874 TELEPHONE

COMM # 4253
 DATE: 11-2-18
 REVISION
 DATE: 6-20-19
 1-21-2020

G1.1

BUILDING CODE

BUILDING OFFICIAL CONTACT NUMBER: (540) 459-6185
 COUNTY: SHENANDOAH
 ZIP CODE: 22657

GOVERNING CODES AND ORDINANCES
 BUILDING CODE: 2012 VA USBC
 PLUMBING CODE: 2012 VA PC
 MECHANICAL CODE: 2012 VA MC
 ELECTRICAL CODE: 2011 NEC
 FIRE CODE: 2012 VA FC
 ENERGY CODE: ASHRAE 90.1 / 2010
 AMENDING ORDINANCE: TOWN OF STRASBURG UNIFIED DEVELOPMENT

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: 2 STORIES
 BUILDING HEIGHT: 11'-0"
 GROSS BUILDING AREA: 7,418 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
 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 Cf = 1.0
 GROUND LOAD (Pg): 40 PSF
 MINIMUM ROOF SNOW LOAD (P_f): 28 PSF
 IMPORTANCE FACTOR (Is): 1.0

4. WIND LOADS G_{Cpi} = ± 0.18
 BASIC WIND SPEED: V_{ult} = 116 MPH
 V_{sud} = 90 MPH
 EXPOSURE: C

5. SEISMIC
 Ss: 0.133
 S1: 0.056
 Sds: 0.106
 Sd1: 0.063
 IMPORTANCE FACTOR (Ie): 1.0
 SITE CLASS: C
 DESIGN CATEGORY: B
 SDC = B PER COUNTY AMENDMENTS

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
 MAX. METAL BUILDING RIGID FRAME LATERAL DEFLECTION: HEIGHT/150
 MAX. METAL BUILDING HORIZONTAL GIRT LATERAL DEFLECTION: 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 FURNISHINGS AND FIXTURES SHOWN FOR REFERENCE ONLY.
- (E) CONTRACTOR TO PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION AS REQUIRED. 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 AB TYPE WITH 10 GALLON CAPACITY. REFER TO DETAIL 10/A4.2 FOR TYPICAL MOUNTING REQUIREMENTS.
- (G) EXIT DISCHARGE DOORS, PROVIDE TACTILE EXIT SIGNS STATING "EXIT" WITH BRASS LETTERING. SIGN 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' = 150):
 - 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)
 - RETAIL FLOOR AREA USED FOR CALCULATING PARKING INDICATED ON SHEET C2.1
- 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: 62/750 = 1
 PROVIDED FOR FEMALE: 1
 REQUIRED FOR MALE: 62/750 = 1
 PROVIDED FOR MALE: 1

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

SERVICE SINK REQUIRED: 1
 SERVICE SINK PROVIDED: 1

OCCUPANCY LOAD SUMMARY

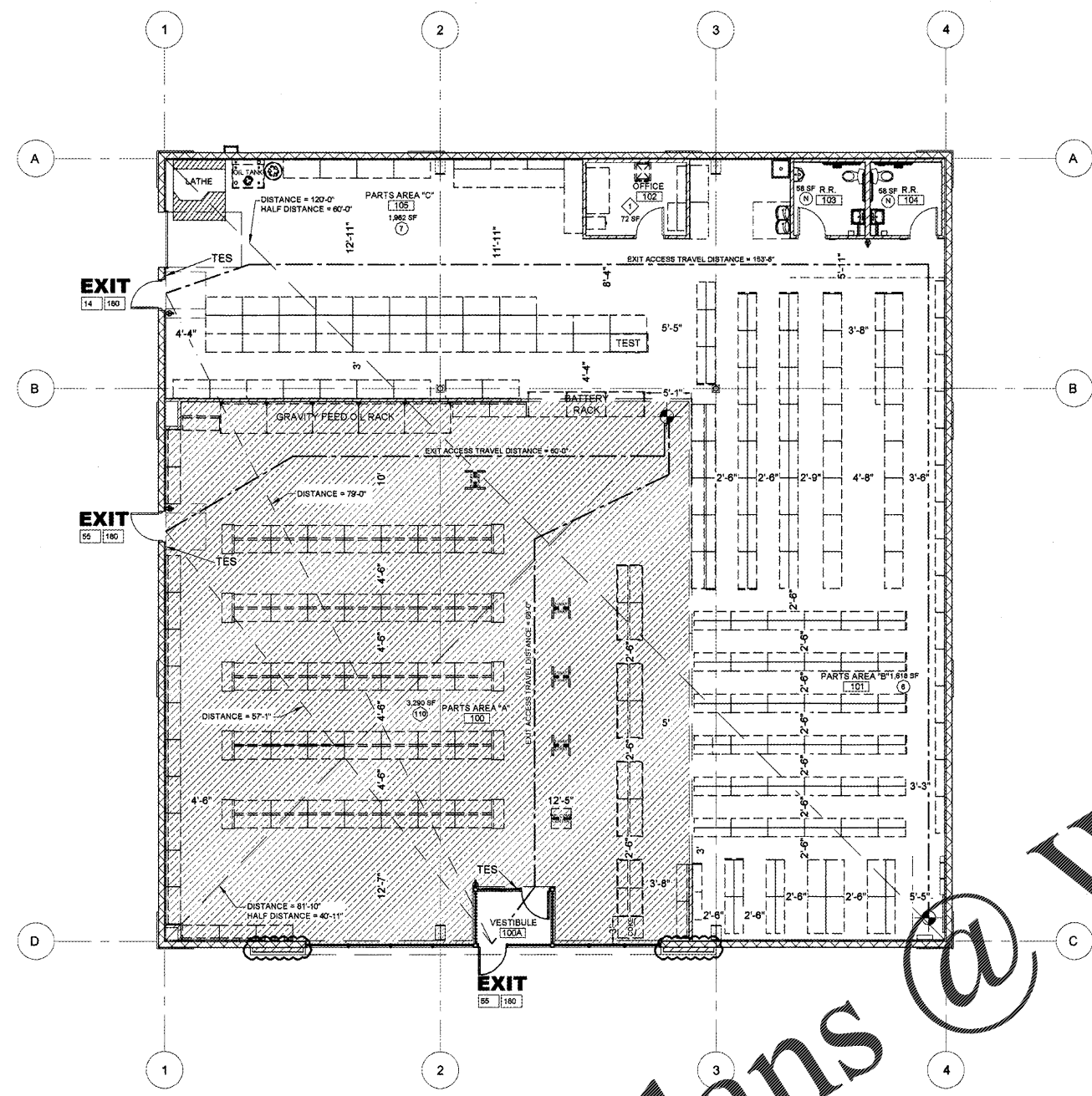
ROOM OR AREA (REFER TO FLOOR PLAN)	AREA PER OCCUPANT (S.F.)	OCCUPANTS (QTY.)
100 - PARTS AREA "A"	30	110
101 - PARTS AREA "B"	300	6
102 - OFFICE	100	1
103 - RESTROOM	N/A	0
104 - RESTROOM	N/A	0
105 - PARTS AREA "C"	300	7
TOTAL OCCUPANCY		124

PROJECT DATA

REAL ESTATE	
PROPERTY GROSS AREA:	73,201 GSF
SITE	
PARKING GROSS AREA:	19,001 GSF
BUILDING	
BUILDING GROSS AREA:	7,453 GSF
BUILDING INTERIOR AREA:	7,193 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
 Q1.1 SCALE: 1/8" = 1'-0"

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