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7N2-R

OWNER: AutoZone Development Corporation
 Contact: GEORGE CALLOW
 Voice: (901) 495-8705
 Fax: (901) 495-8969

REVISIONS

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LIFE SAFETY NOTES:

DOORS:
 EXIT DOORS TO BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. EXCEPTION: MAIN EXIT DOOR HAS KEY-LOCKING HARDWARE. G.C. TO PROVIDE A READABLE VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". SIGN TO BE ONE INCH HIGH LETTERS ON CONTRASTING BACKGROUND.

EXIT ILLUMINATION:
 EXITS TO BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHT HAVING INTENSITY OF NOT LESS THAN ONE FOOTCANDLE AT FLOOR LEVEL. THE POWER SUPPLY FOR EXIT ILLUMINATION HAS BATTERY BACKUP IN THE EVENT OF A POWER FAILURE.

EXIT SIGNS:
 EXIT SIGNS TO BE INSTALLED AT THE REQUIRED EXITS FROM THE ROOM OR AREA AND WHEN OTHERWISE NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS. GRAPHICS, ILLUMINATION AND POWER SUPPLY SHALL COMPLY WITH CHAPTER 10 OF THE IBC.

FLAMMABLE AND COMBUSTIBLE MATERIALS:
 FLAMMABLE AND COMBUSTIBLE MATERIALS WILL NOT EXCEED MAXIMUM QUANTITIES ALLOWED UNDER THE 6TH EDITION FLORIDA FIRE PREVENTION CODE AND CURRENT ADOPTED CODES. THERE WILL BE NO HIGH-PILED COMBUSTIBLE STORAGE.

PORTABLE FIRE EXTINGUISHERS:
 TYPE, SIZE, NUMBER AND LOCATION OF FIRE EXTINGUISHERS SHALL BE INSTALLED ACCORDING TO LOCAL REQUIREMENTS.

INTERIOR FINISHES:
 INTERIOR FINISHES TO HAVE A FLAME-SPREAD RATING OF 25 OR LESS.

INSULATION:
 WALL INSULATION TO HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPMENT RATING OF NOT MORE THAN 450. ROOF INSULATION (FOAM PLASTIC) TO HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 75 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 450.

ROOFING:
 ROOF COVERING SPECIFIED IS CLASS A.

ROOF STRUCTURE:
 THE ROOF STRUCTURE FOR THE MAIN BUILDING IS AN OPEN WEB STEEL JOIST TYPE STRUCTURE. NO LIGHT FRAME TRUSS TYPE CONSTRUCTION WILL BE USED

SHELVING:
 MAXIMUM HEIGHT OF SHELVING FIXTURES IS 12'-0" THERE IS NO "HIGH PILED STORAGE" IN THE STORE.

FIRE KNOX BOX:
 A KNOX BOX WILL BE REQUIRED. GENERAL CONTRACTOR TO COORDINATE WITH CITY OF POMPANO BEACH FIRE DEPARTMENT FOR ORDERING MATERIALS AND LOCATION OF KNOX BOX. CONTACT FIRE MARSHAL JIM GALLOWAY.

BUILDING CODE ANALYSIS

DESIGN CODES: 2017 FLORIDA BUILDING CODE, 6TH EDITION
 2017 FLORIDA PLUMBING CODE, 6TH EDITION
 2017 FLORIDA MECHANICAL CODE, 6TH EDITION
 2014 NATIONAL ELECTRIC CODE
 2017 FLORIDA FIRE PREVENTION CODE, 6TH EDITION, NFPA 1 AND NFPA 101, 2015 ED.
 2017 FLORIDA ENERGY CODE, 6TH EDITION

OCCUPANCY CLASSIFICATION: GROUP M (MERCANTILE)
 TYPE OF CONSTRUCTION: V-B
 NUMBER OF STORIES: (2 ALLOWED) / 1 SHOWN
 BUILDING AREA: 9,000 ALLOWED / 7,147 SHOWN
 INTERIOR PERIMETER BUILDING DIMENSIONS = 7,147 S.F. UNDER ROOF
 OVERALL PERIMETER BUILDING DIMENSIONS = 7,402 S.F. UNDER ROOF
 ALLOWABLE HEIGHT: TABLE 504.3 (40' ALLOWED) / 21' SHOWN
 AUTOMATIC SPRINKLER SYSTEM : NO

EXTERIOR WALL RATINGS:
 EXTERIOR WALL ASSEMBLY CONFORMS TO UL DESIGN NUMBER U-905 WHICH HAS A 2 HOUR FIRE RATING

OCCUPANT LOAD FOR EGRESS:
 MERCANTILE: 7,147 / 60 = 119 PER 2017 FBC
 MERCANTILE: 7,147 / 30 = 238 PER NFPA 101

EXITS:
 2 EXITS REQUIRED FOR OCCUPANT LOAD > 50
 EXIT WIDTH :119 OCCUPANTS X .2 = 23.8IN. REQ'D PER 2017 FBC
 EXIT WIDTH : 238 OCCUPANTS X .2 = 47.6IN. REQ'D PER NFPA 101
 MINIMUM = 72 IN. PROVIDED

EXIT SEPARATION: 120 = 60 FT. REQUIRED
 112 FT. PROVIDED

** MAXIMUM OVERALL DIAGONAL DISTANCE
 MAXIMUM TRAVEL DISTANCE: 200 / 88 SHOWN

AISLES:
 MINIMUM WIDTH: 36 IN. REQUIRED / 39 IN. PROVIDED (AREAS SERVING EMPLOYEES ONLY)
 MINIMUM WIDTH: 44 IN. REQUIRED / 48 IN.(min) PROVIDED (PUBLIC AREAS)
 MAX. DEAD END LENGTH = 20 FT. / 15 FT. SHOWN

STATE OF FLORIDA APPROVED PRODUCTS LIST

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL NUMBER
ALUMINUM STOREFRONT DOORS W/ TRANSOM & PANIC EXIT DEVICE	SWINGING DOORS	YKK AP AMERICA	FL16554-R7
PANEL WALLS	ALUMINUM STOREFRONT SYSTEM	YKK AP AMERICA	FL14218-R10
ROOFING SYSTEM	SINGLE PLY ROOF SYSTEMS	G.A.F. MATERIALS CORPATION	FL3443-R28
EXTERIOR DOORS	ROLL-UP EXTERIOR DOOR ASSEMBLIES	CORNELL IRON WORKS	FL19074-R1
COMMERCIAL STEEL DOOR	FLUSH SWINGING COMMERCIAL STEEL DOOR	MESKER DOOR, INC	FL15542-R2
CLADDING	E.I.F.S.	DRYVIT SYSTEMS, INC.	FL2030-R10 NOA No. 17-0807.19
ROOFING	METAL ROOFING	BERRIDGE MANUFACTURING COMPANY	FL11241-R5 NOA No. 16-1205.03

DEFERRED SUBMITTALS:

THE FOLLOWING ITEMS WILL BE DEFERRED SHOP DRAWINGS SUBMITTALS BY THE GENERAL CONTRACTOR:
 STEEL ROOF JOIST FRAMING AND ROOF DECK LAYOUT PLAN & CALCS
 STORE FRONT PLAN, APPROVALS & CALCS
 SINGLE PLY ROOFING SYSTEM
 METAL AWNINGS, FRAMING & CALCS

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTED DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

SOIL TREATMENT
 PRE TREAT SOIL UNDER SLAB AND AROUND PERIMETER OF BUILDING FOR TERMITE CONTROL (SEE SECTION Q2215 "TERMITE CONTROL" OF THE PROTOTYPE SPECS.). SOIL TREATMENT SHALL COMPLY WITH ALL APPLICABLE CODES.

SPECIAL INSPECTIONS: (if required)
 IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING CHECKED ITEMS WILL ALSO REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

ITEM	REQUIRED
REINFORCING UNIT	YES
EXPANSION JOINT/POXY ANCHORS	YES
SLAB CHECK COLUMN/BREAM CONNECTIONS	YES
SLAB CHECK EXTERIOR WALL CONNECTIONS	YES
WELDING/BOLTING	YES

DESIGNERS OF RECORD:

ARCHITECTURAL

Name: GEORGE CALLOW
 License No: #AR0014155
 Phone No: (901)495-8705

STRUCTURAL

Name: CHARLES A. WALL
 License No: #49709
 Phone No: (918) 584-5858

MECHANICAL

Name: CALEB MELTON
 License No: #86982
 Phone No: (813) 785-7526

ELECTRICAL

Name: CALEB MELTON
 License No: #86982
 Phone No: (813) 785-7526

PLUMBING

Name: CALEB MELTON
 License No: #86982
 Phone No: (813) 785-7526

AutoZone Store No. 6365
 3001 WEST ATLANTIC AVE

POMPANO BEACH FL 33096
COVER SHEET / CODE ANALYSIS

Architect: George Callow - License #AR0014155
 123 South Front Street
 Memphis, Tennessee 38103
 TEL: 901-495-8705 FAX: (901) 495-8969
 For Bidding & Contractor Information Contact:
 McGraw-Hill Construction Tel. 615-884-1017
 www.construction.com

George W Callow
 AR0014155
 55 State of Florida
 Digitally signed by George W Callow
 AR0014155
 State of Florida
 Date: 2020.02.04 10:47:43 -0600

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