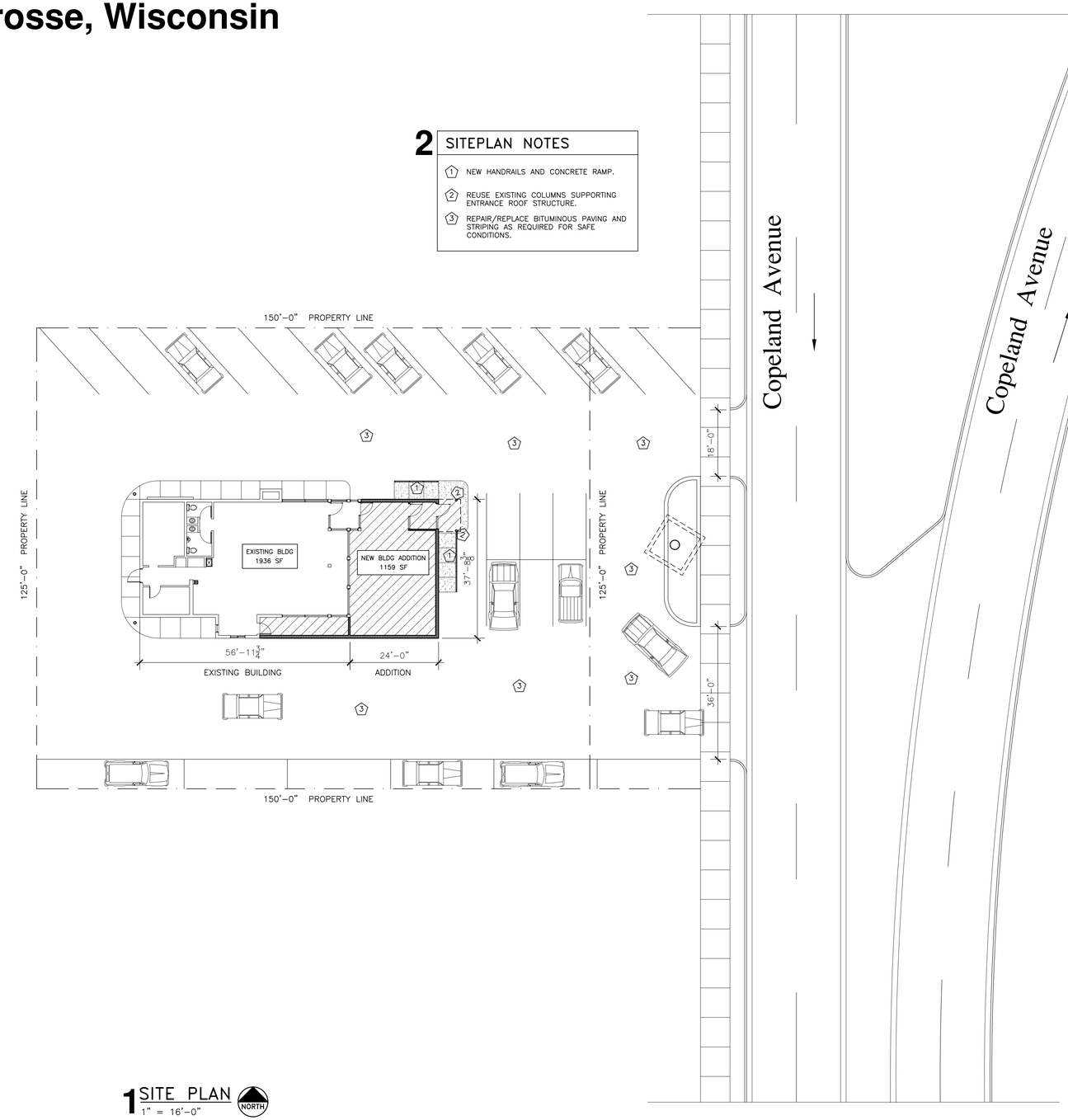
SMOKES4LESS

Building Addition
91 Copeland Avenue
La Crosse, Wisconsin



1 SITE PLAN
1" = 16'-0"

2 SITEPLAN NOTES

1. NEW HANDRAILS AND CONCRETE RAMP.
2. REUSE EXISTING COLUMNS SUPPORTING ENTRANCE ROOF STRUCTURE.
3. REPAIR/REPLACE BITUMINOUS PAVING AND STRIPING AS REQUIRED FOR SAFE CONDITIONS.

3 STRUCTURAL NOTES

1. DESIGN CODES – (ALL LATEST EDITIONS)
   - AMERICAN CONCRETE INSTITUTE (ACI)
   - CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
   - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
   - NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)
   - 2015 INTERNATIONAL BUILDING CODE
2. DESIGN LIVE LOADS
   - ROOF = 30.8 PSF + APPLICABLE DRIFT LOADS
   - WIND = 20.2 PSF @ ROOF & WALLS
   - FIRST FLOOR = 100 PSF
   - STORAGE = 125 PSF
3. SOIL
   - 2000 PSF – (ASSUMED)
   - 2000 PSF SAFE BEARING USED FOR DESIGN
   - FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SOIL OR COMPACTED ENGINEERED FILL. ENGINEERED FILL SHALL BE A WELL GRADED GRANULAR MATERIAL, COMPACTED TO 96% STANDARD PROCTOR DENSITY.
4. CAST–IN–PLACE CONCRETE
   - ARRANGEMENTS, BENDING, DETAILING AND SUPPORT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI AND CRSI STANDARDS.
   - WHERE REINFORCING BARS ARE SHOWN CONTINUOUS LAP BARS #4–20", #5–26", #6–33"
   - REINFORCEMENT STEEL BARS – ASTM A615 GRADE 60 (60 KSI)
   - MAXIMUM SIZE OF AGGREGATE IS 1 1/2"
   - MAXIMUM SLUMP IS 3"

COMPONENT	CONC STRENGTH @ 28 DAYS
BLOCK/MASONRY FILL	2500 PSI
FOOTINGS & FOUNDATION WALLS	3500 PSI
INTERIOR & EXTERIOR SLABS	4000 PSI

5. MASONRY
   - MASONRY BLOCK UNITS – NORMAL WEIGHT
   - MORTAR TO BE TYPE S – CONFORMING TO ASTM C270
   - INSTALL FLASHINGS AT BASE & ALL OPENINGS
   - INSTALL BLOCK ANCHORS 48"oc VERT TO COLUMNS
   - INSTALL WEEP HOLES AT 48"oc

4 CODE INFORMATION

2015 INTERNATIONAL BUILDING CODE

USE & OCCUPANCY CLASSIFICATION:
PRIMARY USE:
MERCANTILE GROUP M – RETAIL STORE

TYPE OF CONSTRUCTION:
602.5 TYPE V–B

BUILDING HEIGHTS & AREAS: (TABLE 503)
MAXIMUM HEIGHT = 1 STORY
MAXIMUM AREA/FLOOR = 9,000 SF

TOTAL EXISTING FLOOR AREA = 1936 SF
ADDITION FLOOR AREA = 1159 SF
TOTAL FLOOR AREA = 3095 SF

FIRE RESISTIVE RATINGS: (TABLE 601)

STRUCT FRAME–COLUMNS, GIRDERS, TRUSSES	0–NO HR RATING
EXTERIOR BEARING WALLS – (TABLE 602)	0–NO HR RATING
INTERIOR BEARING WALLS	0–NO HR RATING
FLOOR BEAMS & JOISTS	0–NO HR RATING
ROOF BEAMS & JOISTS	0–NO HR RATING
INTERIOR PARTITIONS	0–NO HR RATING
REQ'D EXIT CORRIDORS (TABLE 1017.1)	0–NO HR RATING
VERTICAL SHAFTS/STAIRWAYS (1020.1)	1–HR
EXTERIOR WALLS >30 FT (TABLE 602 III–B)	0–HR RATING
DOOR ASSEMBLIES	(SEE TABLE 715.4)

FIRE PROTECTION SYSTEMS: (CHAPTER 9)
903.2.7 GROUP M: A NFPA 13 AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED AND SHALL NOT BE PROVIDED THROUGHOUT THE EXISTING BUILDING.

EXIT DISTANCE: (TABLE 1017.2)
MAXIMUM = 200 FT (WITHOUT AUTOMATIC SPRINKLER SYSTEM)

SANITARY FACILITIES: (TABLE 2902.1)
REQUIRED WATER CLOSETS = 1 PER 500 PERSONS
REQUIRED LAVATORIES = 1 PER 750 PERSONS
REQUIRED DRINKING FOUNTAINS = 1 PER 1000 PERSONS
REQUIRED SERVICE SINKS = 1 EA

5 DRAWING INDEX

NO	DESCRIPTION
A1	SITE PLAN, CODE & STRUCT INFO
A2	EXISTING & REMODELED FLOOR PLANS
A3	EXTERIOR ELEVATIONS & SECTION

EcoGreen
Architects LLC
21316 QUARRY ROAD
CALEDONIA, MN 55921
(608) 317–1953

SMOKES4LESS BUILDING ADDITION
91 COPELAND AVENUE
LA CROSSE, WISCONSIN

WISCONSIN
DAVID D. HOLSTROM
E23557
LA CROSSE
WIS.
PROFESSIONAL ENGINEER
David D. Holstrom

I HEARBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL UNDER THE LAWS OF THE STATE OF:

SIGNED _____
DATE _____
NUMBER _____

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JOB # 2023.05

AUG 21, 2023

REVISIONS

PLOT 1/16"=1'–0"

SITE PLAN
CODE INFO
DWG INDEX

A001