

building data

LOCAL ADDRESS: MACOMB TOWNSHIP
54111 BRIGHTON ROAD
MACOMB, MI 48042

REFERENCE CODES:
2003 MICHIGAN BUILDING CODE WITH STATE AMENDMENTS
2003 MICHIGAN PLUMBING CODE WITH STATE AMENDMENTS
2003 MICHIGAN MECHANICAL CODE WITH STATE AMENDMENTS
2003 NATIONAL ELECTRICAL CODE WITH STATE AMENDMENTS
MICHIGAN ENERGY CODE
ADDITIONAL 2015 AND 2018 1975

BUILDING AREA:
FIRST FLOOR: 26,155 SQ. FT.
MEZZANINE: 15,800 SQ. FT.
TOTAL: 41,955 SQ. FT.

USE GROUP (CHAPTER 2): (B) BUSINESS
PROPOSED USE: SPECIALTIVE OFFICE BUILDING
CONSTRUCTION TYPE (CHAPTER 3): V-B (HIGH COMBUSTIBLE/CONCRETE)
OCCUPANT LOAD: 1 PER 100 S.F. (OR) 281 OCCUPANTS (TABLE 1004.1.3)

MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD PER TABLE 1004.1.1 (PER UNIT)
MINIMUM LENGTH OF EXIT ACCESS TRAVEL PER TABLE 1004.2 (EXCEPT FIRE ESCAPE STAIRS)
FIRE RESISTANCE RATING OF INTERIOR FINISH PER TABLE 803.4
FIRE RESISTANCE RATING OF INTERIOR FLOOR FINISH PER SECTION 803.5
FIRE RESISTANCE RATING OF STRUCTURAL ELEMENTS PER TABLE 802
FIRE RESISTANCE RATING OF EXTERIOR NON-LOAD-BEARING WALLS PER TABLE 802 AND TABLE 703.2
FIRE RESISTANCE RATING OF EXTERIOR LOAD-BEARING PARTITION WALLS PER TABLE 802 AND TABLE 703.2
FIRE RESISTANCE RATING OF NON-LOAD-BEARING PARTITION WALLS PER TABLE 802
FIRE RESISTANCE RATING OF INTERIOR LOAD-BEARING WALLS, COLLARS, CHIMNEYS PER TABLE 802
FIRE RESISTANCE RATING OF ROOFTOP STRUCTURES PER TABLE 802
FIRE RESISTANCE RATING OF ROOF CONSTRUCTION INCLUDING BEAMS, BRACES AND FRAMING ARCHES AND ROOF DECK PER TABLE 802 AND SECTION 714.0

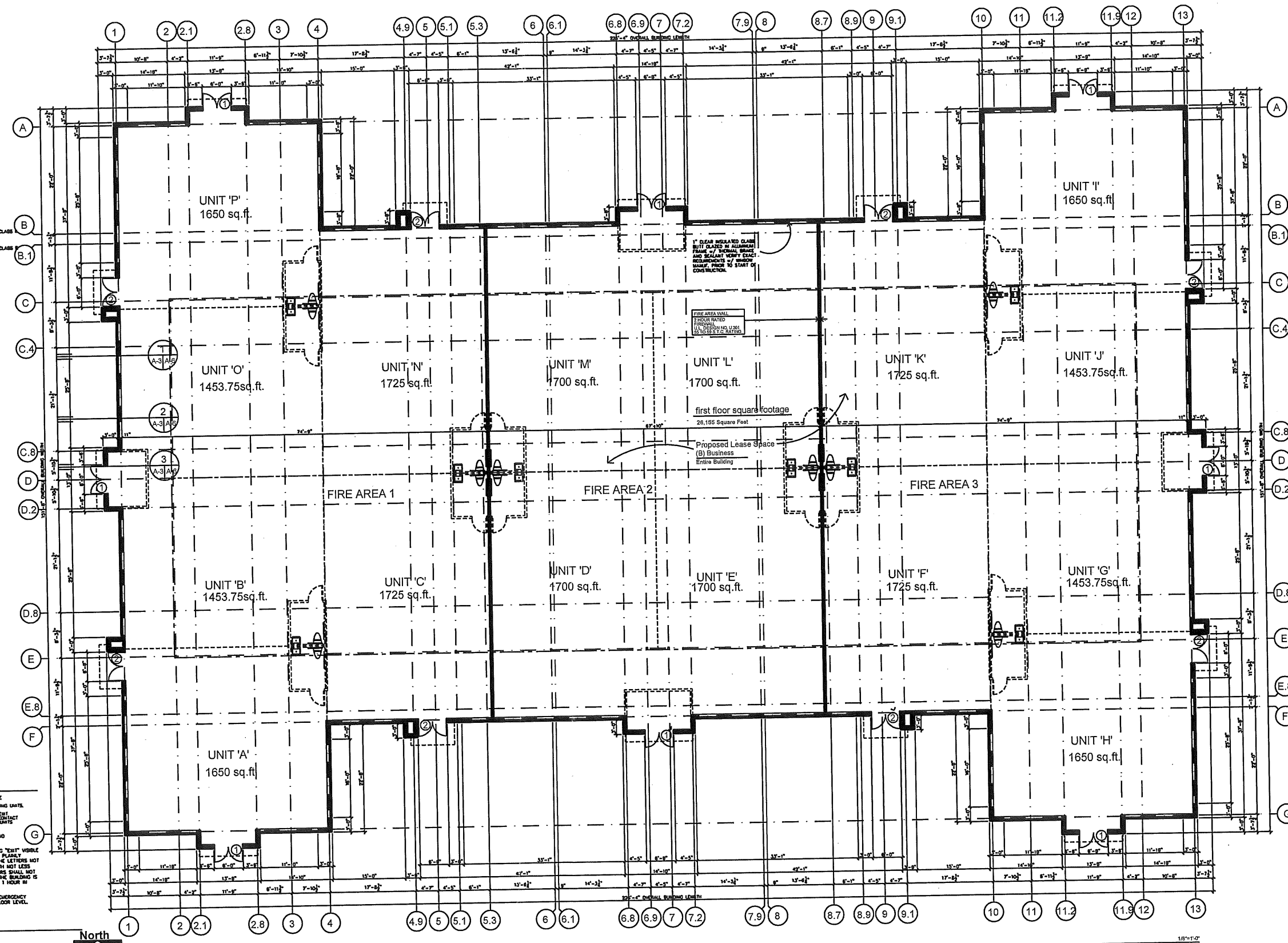
ALLOWABLE AREA
(B) BUSINESS
TOTAL AREA CALCULATION (FIRE AREA 1 & 2)
TOTAL AREA: 26,155 S.F.
STREET FRONTAGE INCREASE PER SECTION 508
INCREASE FOR HEIGHT (SECTION 506.1): NONE
INCREASE FOR SPRINKLER (SECTION 506.3): NONE
INCREASE FOR STREET FRONTAGE (FROM CALC.): +11,888
TOTAL PERCENTAGE FACTOR (P.F.): +11.888
ALLOWABLE AREA - CONSTRUCTION TYPE V-B (PER TABLE 503): 8,000 S.F.
CONVERSION FACTOR (P.F. / 100): 1.42
ALLOWABLE FLOOR AREA x CONVERSION FACTOR:
8,000 S.F. x 1.42 = 12,780 S.F. AREA
NOTE:
BUILDING AREA IS UNDER ALLOWABLE AREA.
FIRE AREA 2 = 7,230 S.F. x 1.42 = 10,266 S.F.

ADDRESS NOTE:
OWNER TO PROVIDE ADDRESS IN NUMERICAL BLOCK FORM FOR EACH UNIT SPACE AND BE DISPLAYED AT THE FRONT AND REAR OF THE BUILDING FOR CITY OR TOWNSHIP. ALL NUMBERS SHALL BE VISIBLE TO OCCUPANTS OF VEHICLES ON INTERSECTIONS AND THE COLOR SHALL BE IN CONTRAST WITH THE BACKGROUND IN WHICH THEY ARE MOUNTED.

NOTE:
ALL EXIT DOORS MUST BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS.
MAXIMUM SLOPE ON ROOFTOP RAMP IS 1:120 AND MINIMUM RAMP WIDTH IS 36" CLEAR WIDTH.
FRONT APPROACHES TO PUBLIC USE AREAS SHALL BE CONFORMANT WITH THE MICHIGAN UNIFORM BUILDING CODE.

EXIT AND EMERGENCY LIGHTING NOTES:
METAL ILLUMINATED EXIT SIGNS OVER EXIT DOORS, EMERGENCY EXIT SIGNS MAY ALSO BE USED TO PROVIDE EXIT SIGNAGE TO THE PUBLIC. ALL EXIT SIGNAGE SHALL BE TESTED BY THE CONTRACTOR TO PROVE PROPER PLACEMENT OF EXIT SIGNAGE.
EMERGENCY LIGHTING SHALL BE PROVIDED BY THE FIRE MARSHAL TO ILLUMINATE THE EXIT ACCESS IN CASE OF A POWER OUTAGE. ELECTRICAL CONTRACTOR SHOULD CONTACT THE FIRE MARSHAL FOR PROPER PLACEMENT OF EMERGENCY LIGHTING UNITS. ADDITIONAL UNITS MAY BE REQUIRED IN OFFICE AREA.
PROVIDE LOCK OPEN DEVICES ON ALL CIRCUIT BREAKERS PROTECTING EMERGENCY LIGHT AND EXIT LIGHT CIRCUITS.
ALL EXISTING MEANS OF EGRESS SHALL BE INDICATED WITH APPROVED SIGN READING "EXIT" VISIBLE FROM THE EXIT ACCESS. EXISTING EXIT SIGN AND DIRECTIONAL EXIT SIGN SHALL HAVE PLAINLY LEGIBLE LETTERS NO LESS THAN 6" HIGH WITH THE PRINCIPAL STROKES OF THE LETTERS NOT LESS THAN 0.175" HIGH. THE WORD "EXIT" SHALL HAVE LETTERS HAVING A WIDTH NOT LESS THAN 3/16" HIGH EXCEPT THE LETTER "I" AND MINIMUM LETTER HEIGHT SHALL NOT BE LESS THAN 0.175" HIGH. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES THAT THE BUILDING IS OCCUPIED AND MUST PROVIDE AN ILLUMINATION FOR A DURATION OF NO LESS THAN 1 HOUR IN CASE OF A PRIMARY POWER LOSS. PER CODE SECTION 909.0
ALL MEANS OF EGRESS INCLUDING THE EXIT DISCHARGE, SHALL BE EQUIPPED WITH EMERGENCY LIGHTING AND PROVIDE NON BLINDING OF NOT LESS THAN 1 FOOTCANDLE AT THE FLOOR LEVEL PER CODE SECTION 909.0

FIRE EXTINGUISHER NOTE:
APPROVED ABC DRY CHEMICAL OR EQUIVALENT WITH MINIMUM 2A RATING EXTINGUISHERS TO BE COMPATIBLE WITH THE HAZARDOUS PROJECTED.
ADDITIONAL LIGHT HAZARD: AN ADEQUATE NUMBER TO PROVIDE A MAXIMUM NORMAL TRAVEL DISTANCE OF 75 FEET BETWEEN OR TO EXTINGUISHERS.
EXTINGUISHERS SHALL BE INSTALLED ON HANGERS OR IN THE BRACKETS SUPPLIED, OR IN APPROVED TYPE EXTINGUISHER CABINETS UNLESS THE EXTINGUISHERS ARE OF WHEELIE TYPE.
EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE IN THE EVENT OF FIRE. THEY SHALL BE LOCATED ALONG NORMAL PATHS OF TRAVEL INCLUDING EXITS FROM AN AREA.
EXTINGUISHERS SHALL BE INSTALLED SO THAT THE TOP OF THE EXTINGUISHER IS NOT MORE THAN FIVE FEET ABOVE THE FLOOR.



North
first floor plan

building square footage wall types:
first floor: 26,155 sq. ft.
mezzanine: 15,800 sq. ft.
total: 41,955 sq. ft.

wall types:
- 1" CLEAR INSULATED GLASS UNIT GLAZED IN ALUMINUM FRAME w/ 1" INSULATION AND 1/2" AIR SPACE. RECOMMENDATIONS OF MANUFACTURER TO BE FOLLOWED PRIOR TO START OF CONSTRUCTION.
- 1" CLEAR INSULATED GLASS UNIT GLAZED IN ALUMINUM FRAME w/ 1" INSULATION AND 1/2" AIR SPACE. RECOMMENDATIONS OF MANUFACTURER TO BE FOLLOWED PRIOR TO START OF CONSTRUCTION.
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- 1" CLEAR INSULATED GLASS UNIT GLAZED IN ALUMINUM FRAME w/ 1" INSULATION AND 1/2" AIR SPACE. RECOMMENDATIONS OF MANUFACTURER TO BE FOLLOWED PRIOR TO START OF CONSTRUCTION.

SQUARE FTs

Frank Salomone
architects
engineers
planners
48701 Hayes Road
shelby, mi 48315
586.254.1007

Date Issued:
Bid & Permit: 7/7/
S.P.A.: 04/12/
S.P.A.: 08/23/
Project:
Proposed Profess
Office for:
Waterstone
Office Center
Carl Road,
Macomb, Michigan

Client:
Sterling
North, L.L.C.
1779 Oakgrove
Hazel Park, MI 48030

Sheet Title:
FIRST FLOOR PLAN
Project Number:
C04-133
Drawn By:
C.G.
Checked By:
F.S.
Issue:
 preliminary
 construction
 record
Sheet Number:

A-1