

CONSTRUCTION NOTES

WOOD POST FRAMED: POSTS: 4 PLY 2x8 NAIL LAM @ 8'o.c.
 FOOTING: 42"ø x 15"
 ENGINEERED WOOD TRUSSES; 4'o.c.
 PURLIN; 2x4 @ 24"o.c.
 ROOF STEEL; 28 Ga w/ drip stop
 GIRT EXTERIOR; 2x4 @ 24"o.c.
 GIRT INTERIOR; 2x4 @ 24"o.c.
 INTERIOR FINISH GYM; 5/8" TYPE-X GWB
 INSULATION: FOUNDATION; R-10x24" VERTICAL
 WALLS; R-21 CAVITY
 CEILING; R-49
 2x FIRE BLOCK WALLS @ POSTS BETWEEN GIRTS

ENGINEERED STEEL FRAMED: FOUNDATION; 8" x 3' STEM WALL on 16" x 8" FTG + COLUMN PIERS & PADS
 FRAME GRID SPACING: 30' o.c.
 WALL GIRT; BYPASS COLUMNS
 INSULATION: FOUNDATION; R-10x36" VERTICAL
 WALLS; R-19 CONTINUOUS
 CEILING; R-25 + R-11 LINEAR w/ THERMAL BLOCK

INTERIOR FRAMING: PARTITION WALLS: 2x4 @ 16"o.c.
 LOAD BEARING WALLS: 2x4 @ 12"o.c.
 PLUMBING WALLS: 2x6
 MEZZANINE SUB-FLOOR: 3/4" T&G OSB on 2x12 @ 12"o.c.
 WALL FINISH: 5/8" GWB
 CEILING FINISH: 1/2" GWB

CONNECTOR FRAMING: FOUNDATION; 8" x 3' STEM WALL on 16" x 8" FTG
 EXTERIOR WALLS: 2x6 @ 16"o.c. 1 HR FIRE RATED EXTERIOR SHEATHING 5/8" OSB
 ROOF/CEILING; ENGINEERED WOOD TRUSS @ 16"o.c.
 ROOF SHEATHING; 5/8" OSB on 5/8" TYPE-X GWB
 WALL FINISH: 5/8" TYPE-X GWB
 CEILING FINISH: 5/8" TYPE-X GWB
 2 HR FIRE WALL: 2x4 @ 12"o.c. w/ 2 LAYERS 5/8" TYPE-X EA SIDE EXTEND TO UNDERSIDE OF ROOF DECK

CSTORAGE ROOM FRAMING: FOUNDATION; 8" x 3' STEM WALL on 16" x 8" FTG
 EXTERIOR WALLS: 2x6 @ 16"o.c.
 ROOF/CEILING; ENGINEERED WOOD TRUSS @ 24"o.c.
 ROOF SHEATHING; 5/8" OSB
 WALL FINISH: 5/8" TYPE-X GWB
 CEILING FINISH: 5/8" TYPE-X GWB

PROJECT INFORMATION

CODES
 MICHIGAN DEPARTMENT of LICENSING and REGULATORY AFFAIRS,
 BUREAU of CONSTRUCTION CODES, MICHIGAN BUILDING CODE (MBC)
 Incorporating the 2015 EDITION of the INTERNATIONAL BUILDING CODE.

PROJECT DESCRIPTION
 CONSTRUCT a 8,985 sf ADDITION to an EXISTING 3,024sf WOODS POST
 FRAMED BUILDING CONNECTED with a 10' x 21' CONNECTOR. THE
 CONNECTOR INCLUDES a 2 HR FIRE WALL with 2 HR FIRE SHUTTER to
 SEPARATE THE CONSTRUCTION INTO 2 BUILDINGS.

USE OR OCCUPANCY
 OCCUPANCY: A-3

GENERAL BUILDING LIMITATIONS

TYPE OF CONSTRUCTION	TYPE VB	PROPOSED
CRITERIA	ALLOWABLE	
NUMBER OF STORIES	1	1
BUILDING HEIGHT	40 ft	24 ft
BUILDING AREA, T506.2	6,000 sf	8,985 sf
FRONTAGE INCREASE, L/F= 56%	3,360 sf	
TOTAL ALLOWABLE	9,360 sf	

ENGINEERING DATA

DESIGN LOADS

ROOF LOADS	
ROOF LIVE LOAD	20 psf
GROUND SNOW LOAD, Pg	70 psf
SNOW EXPOSURE FACTOR, Ce	1.0
SNOW IMPORTANCE FACTOR, I	1.0
THERMAL FACTOR, Ct	1.1
FLAT ROOF SNOW LOAD, Pf	54 psf
Truss Loads:	
Live Load:	54 psf
TC Dead Load:	7 psf
BC Dead Load:	10 psf
MEZZANINE LOADS	
UNIFORM LIVE LOAD	100 psf
DEAD LOAD	20 psf
BASIC WIND SPEED	115 mph
WIND LOAD IMPORTANCE	1.0
WIND EXPOSURE CATEGORY	"B"
DESIGN WIND LOAD	14.6 psf
DESIGN STRESSES	
SOIL BEARING CAPACITY	2000psf

DRAWING INDEX

SHEET NO.	SHEET NAME
A0.1	COVER
A1.0	FLOOR PLAN
A1.1	UPPER FLOOR PLAN
A2.0	EXTERIOR ELEVATION
A2.1	EXTERIOR ELEVATIONS
A3.0	BUILDING SECTIONS



SITE AERIAL

1" = 50'-0"

Project:
ASI
 102 Maple St
 Bellaire, MI

issue/revise
 ESTIMATES 12/12/24

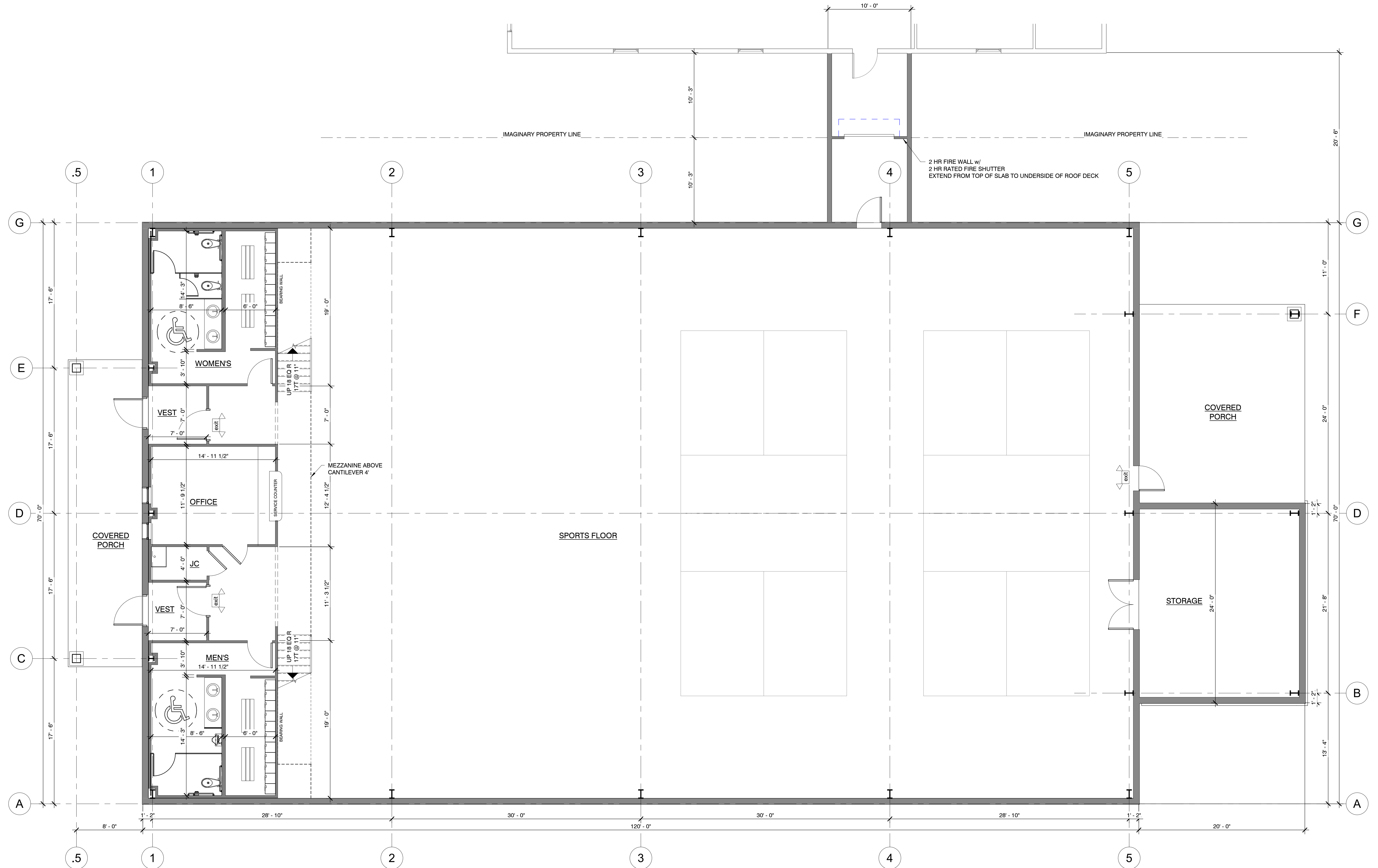
pressell
 engineering
 design
 8995 W. Kelly Rd.
 Lake City, MI 49651
 231.839.3969

Project No.
2480

Drawn By: mk
 Checked By: MAP

Sheet Title
 COVER

A0.1
 Sheet Number



FLOOR PLAN
3/16" = 1'-0"

Project:
ASI
102 Maple St
Bellaire, MI

issue/revise
ESTIMATES 12/12/24

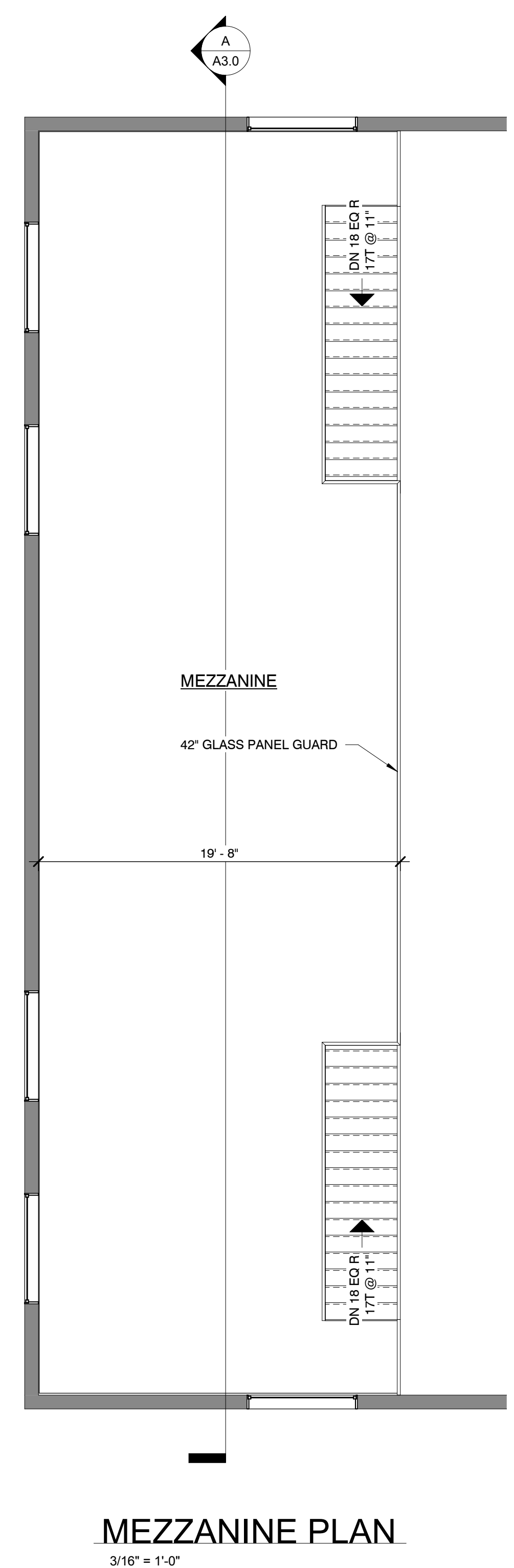
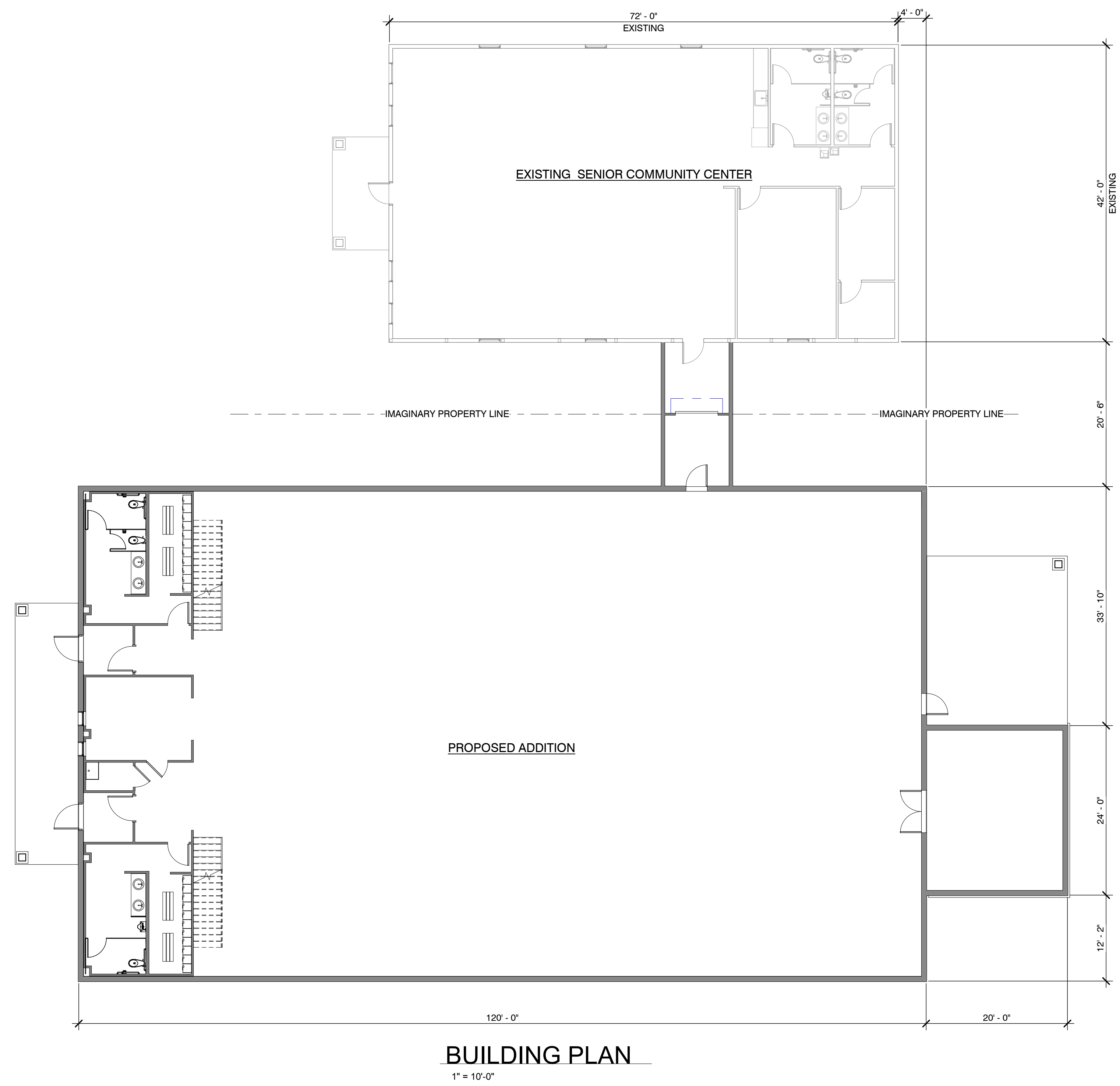
pressell
engineering
design
8995 W. Kelly Rd.
Lake City, MI 49651
231.839.3969

Project No.
2480

Drawn By: **mik**
Checked By: **MAP**

Sheet Title
FLOOR PLAN

A1.0
Sheet Number



Project:
ASI
102 Maple St
Bellaire, MI

issue/revise
ESTIMATES 12/12/24

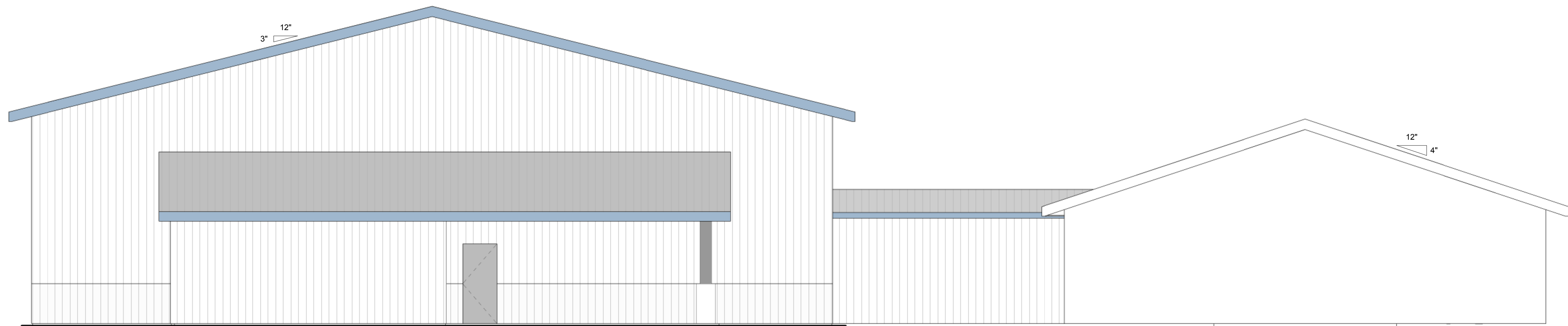
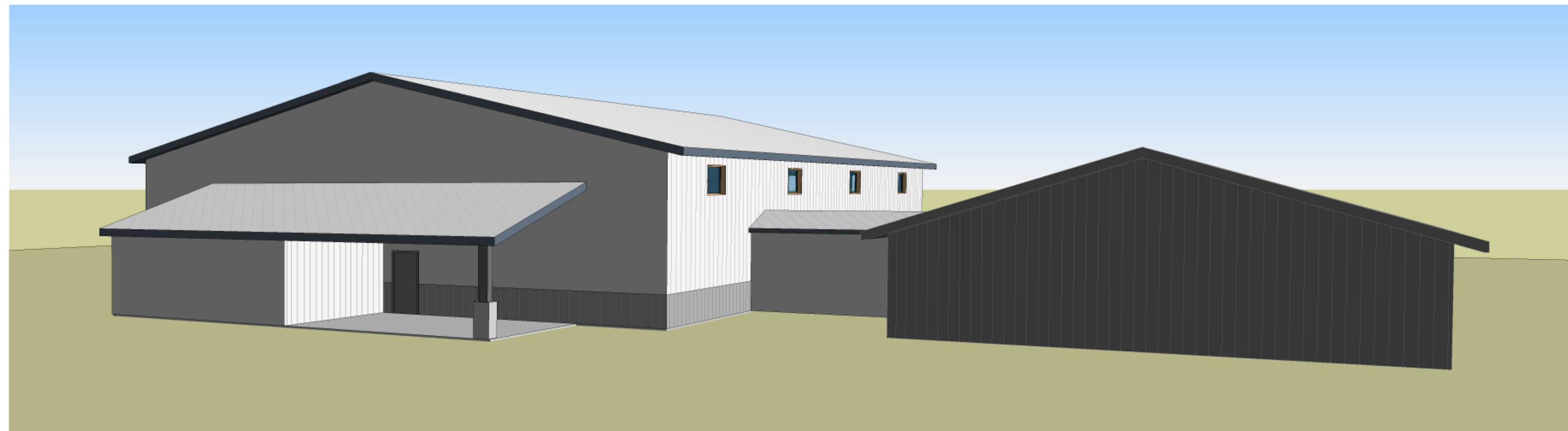
pressell
engineering
design
8995 W. Kelly Rd.
Lake City, MI 49651
231.839.3969

Project No.
2480

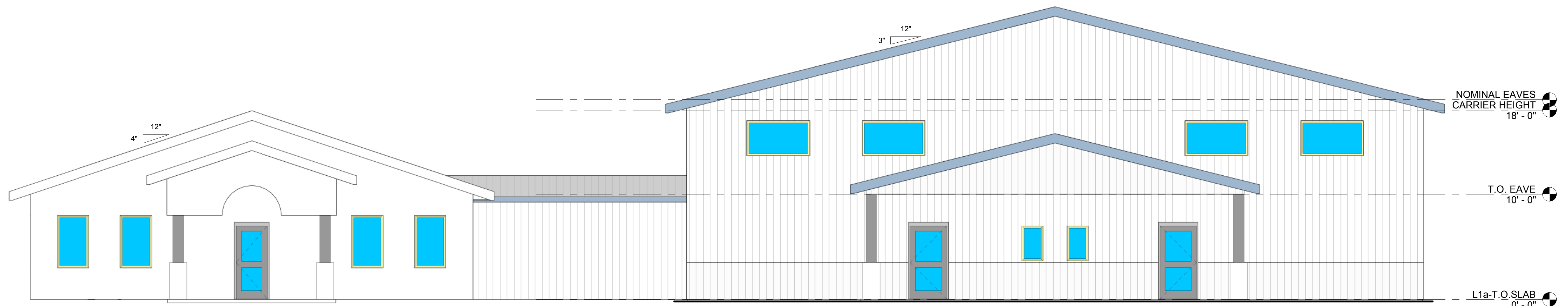
Drawn By: **mik**
Checked By: **MAP**

Sheet Title
UPPER FLOOR PLAN
BUILDING PLAN

A1.1
Sheet Number



SOUTH ELEVATION
3/16" = 1'-0"



NORTH ELEVATION
3/16" = 1'-0"

NOMINAL EAVES
CARRIER HEIGHT
18'-0"

T.O. EAVE
10'-0"

L1a-T.O.SLAB
0'-0"

Project:
ASI
102 Maple St
Bellaire, MI

Issue/revise
ESTIMATES 12/12/24

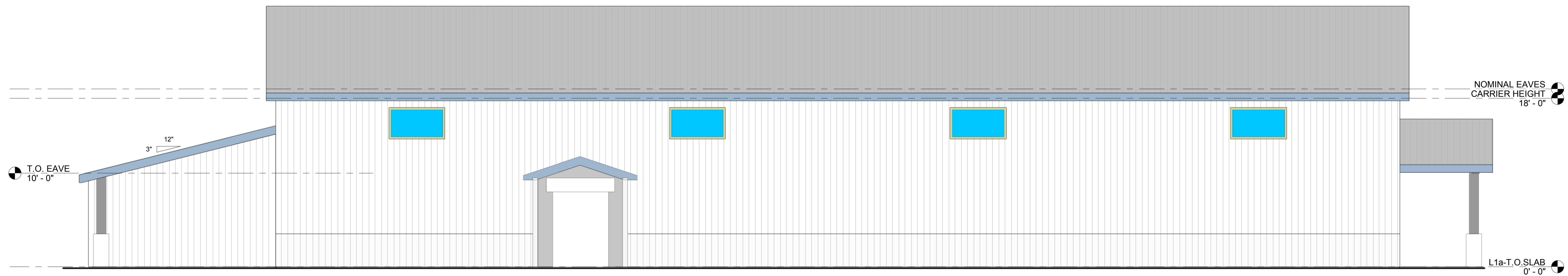
pressell
engineering
design
8995 W. Kelly Rd.
Lake City, MI 49651
231.839.3969

Project No.
2480

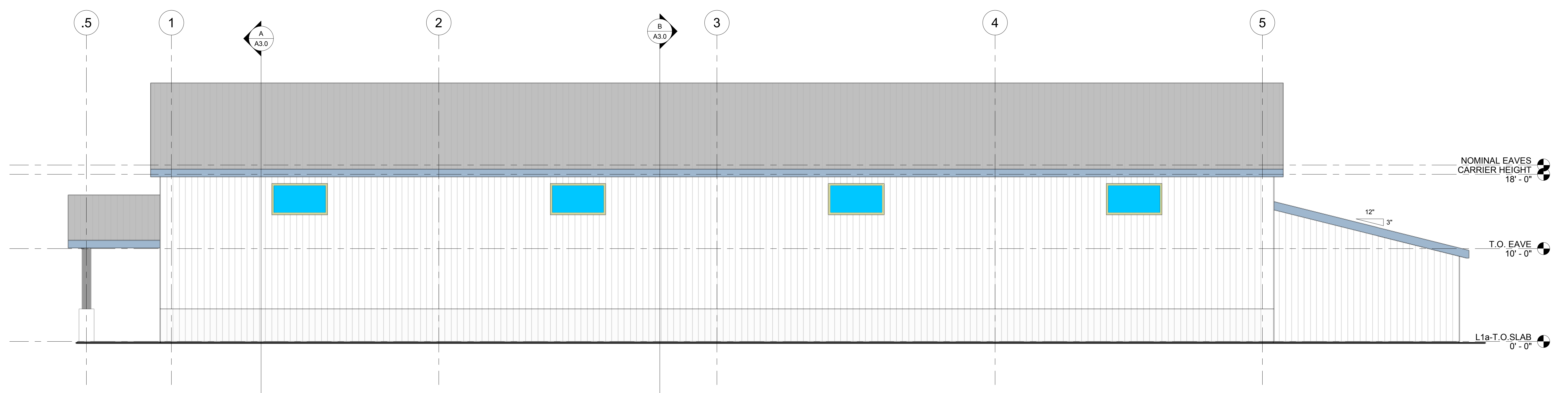
Drawn By: **mik**
Checked By: **MAP**

Sheet Title
EXTERIOR ELEVATION

A2.0
Sheet Number



WEST ELEVATION
3/16" = 1'-0"



EAST ELEVATION
3/16" = 1'-0"

Project:
ASI
102 Maple St
Bellaire, MI

issue/revise
ESTIMATES 12/12/24

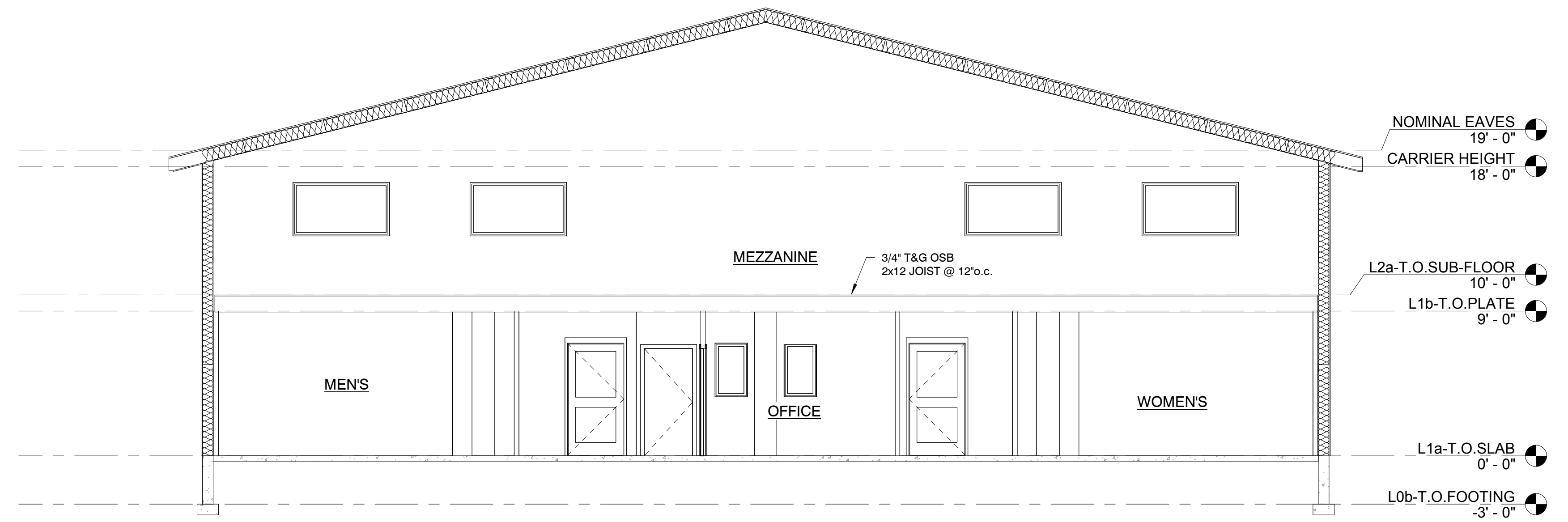
pressell
engineering
design
8995 W. Kelly Rd.
Lake City, MI 49651
231.839.3969

Project No.
2480

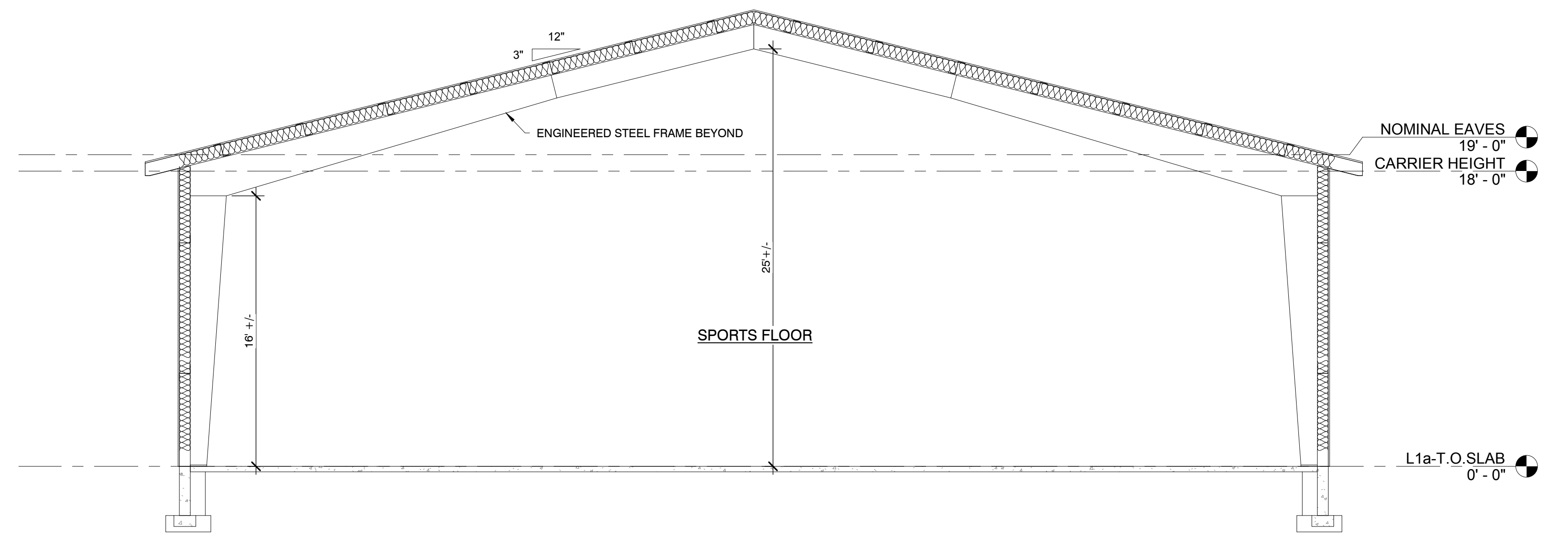
Drawn By: **mik**
Checked By: **MAP**

Sheet Title
EXTERIOR ELEVATIONS

A2.1
Sheet Number



A BUILDING SECTION
 $\frac{3/16"}{1'-0"}$



B BUILDING SECTION
 $\frac{3/16"}{1'-0"}$

Project:
ASI
 102 Maple St
 Bellaire, MI

issue/revise
 ESTIMATES 12/12/24


 pressell
 engineering
 design
 8995 W. Kelly Rd.
 Lake City, MI 49651
 231.839.3969

Project No.
2480

Drawn By: **mik**
 Checked By: **MAP**

Sheet Title
 BUILDING SECTIONS

A3.0
 Sheet Number