

TOTAL SQUARE FOOTAGE:

3,120 + 7,800 = 10,920 sq.ft

NOTES:

USE GROUP: S-2 (LOW HAZARD STORAGE) CONSTRUCTION TYPE: VB EXPOSURE: B CATEGORY: II IMPORTANCE FACTOR: 1.0 GROUND SNOW LOAD: 50 PSF FLAT ROOF SNOW LOAD: 42.0 PSF SLOPED ROOF SNOW LOAD: 37 PSF BASIC WIND SPEED: 115 MPH VELOCITY PRESSURE: 20.3 PSF INTERNAL PRESSURE COEFFICIENT: 0.18 \$ -0.18 SEISMIC DESIGN CATEGORY: A SIMPLIFIED ANALYSIS PROCEDURE SEISMIC IMPORTANCE FACTOR: 1.00 SEISMIC RESPONSE COEFFICIENT: C/S=0.04 RESPONSE MODIFICATION FACTOR: R=6.5 SPECTRAL RESPONSE ACCELERATION S/S = 0.05S/1 = 0.13S/DS = 0.02S/DI = 0.07SOIL CLASSIFICATION: SM (UNIFIED CLASS SYS.) SOIL BEARING CAPACITY: 2,000 PSF

NOTES:

CLIMATE ZONE: 5A

FASTENERS FOR PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED, ZINC-COATED GALVANIZED, STAINLESS STEEL, SILICON BRONZE, COPPER OR OTHER CORROSIVE-RESISTANT MATERIAL

ALL DOORS AND HARDWARE MUST MEET MBC (1008.1.8 TO 1008.1.8.2) AND ANSI (309.4 \$ 404.2.7)

NOTES:

CODE JURISDICTION: 2021 MICHIGAN BUILDING CODE (MBC) 2021 MICHIGAN MECHANICAL CODE (MMC) 202 I MICHIGAN PLUMBING CODE (MPC) 2021 MICHIGAN ELECTRICAL CODE (MEC) ANSI/ASHRAE STD. 90.1 - 2007

DATE: **7/28/25** 

SCALE: 1/8" = 1'-0" DRAWN BY: MLB

**BRIAN PEARSON** 

6779 ENTERPRISE DRIVE

DOUGLAS, MI 49406

PROFESSIONAL DESIGN OVERSIGHT PROVIDED BY CALVIN R BECKSVOORT, PE LATITUDE ENGINEERING, INC 4181 138TH AVENUE HAMILTON, MI 49419 (616)893-1851

FOR ARCHITECTUR

REVISIONS

**PROJECT** 

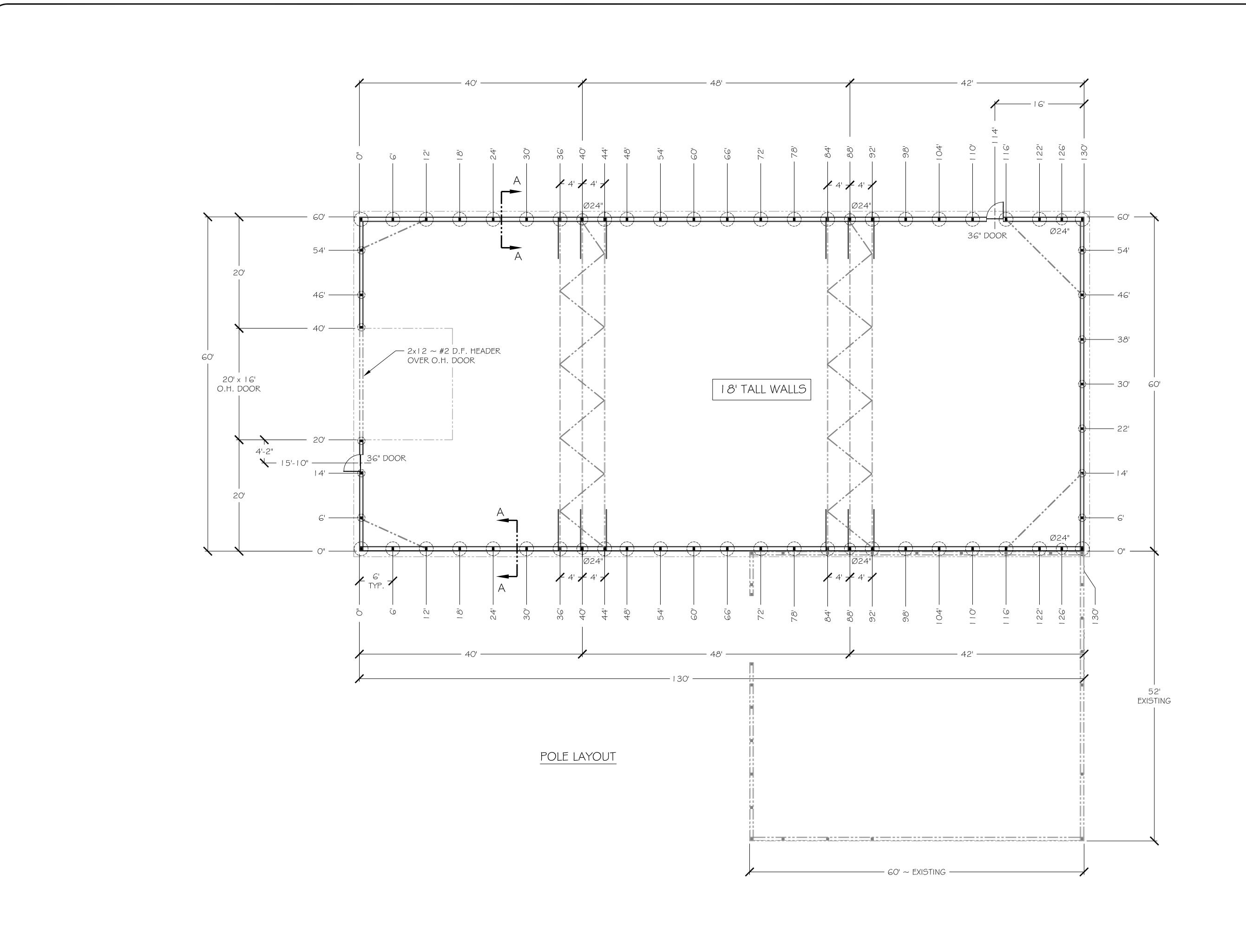
BUILDING ADDITION 60' x 130' x 20'

MAIN FLOORPLAN

PAGE: 2 of 4 SQ. FT.: **7,800** 

REVISED:

DWG NO.: Pearson 60x130 Main Floorplan-sht2



NOTE: All Federal, State and local codes, ordinance regulations, etc. shall be considered as part of specifications for this building and shall take priority over anything shown, described or implied where discrepancies occur. Contractor must verify all dimensions before proceeding with construction. Bex Engineering has made every attempt to avoid mistakes and therefore is not responsible for any

Engineering

3840 140th Ave.

Hamilton, MI 49419

ARCHITECTURAL PLANS FOR

REVISIONS

PROJECT

BUILDING ADDITION 60' x 130' x 18'

POLE LAYOUT

PAGE: **3** of **4** SQ. FT.: **7,800** 

DATE: 7/28/25 REVISED:

**BRIAN PEARSON** 

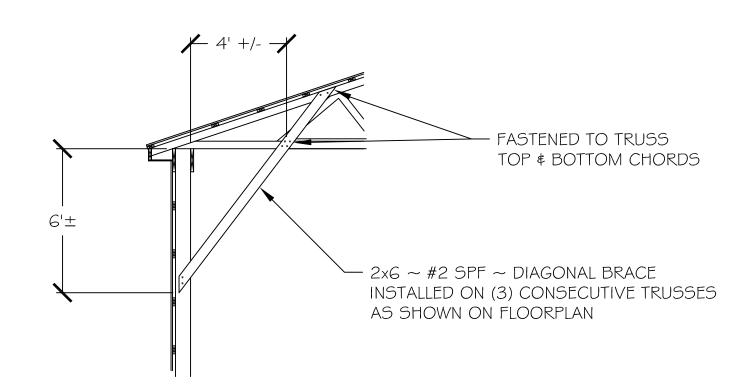
6779 ENTERPRISE DRIVE DOUGLAS, MI 49406

SCALE: 1/8" = 1'-0"

DRAWN BY: MLB

DWG NO.: Pearson 60x130 Pole Layout-sht3

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KNEE BRACE ~ DETAIL

ARCHITECTURAL PLANS FOR:
BRIAN PEARSON

REVISIONS

PROJECT

BUILDING ADDITION 60' x 130' x 18'

SECTION & DETAIL VIEWS

PAGE: 4 of 4

SQ. FT.: 7,800

SQ. FT.: **7,800**DATE: **7/28/25** 

REVISED:

SCALE: NOTED

DRAWN BY: MLB

DWG NO.:
Pearson 60x130 Section Views-sht4

2x4 - #2 SPF PURLINS @ 24" O.C. — 29 GAUGE PAINTED STEEL ENGINEERED ROOF TRUSSES  $\sim 4/12$  PITCH MOUNTED ON 4' CENTERS SIMPSON H2.5A HURRICANE CLIP REQUIRED FOR EACH TRUSS END ~ OPTIONAL 2x6 BLOCKING PROTRUDING — VERTICAL BETWEEN HEADERS FOR TRUSS ATTACHMENT 12" BOXED EAVES AND — FLUSH GABLE ENDS - (2) 2x10 - #1 SYP HEADERS REQUIRED (1) ON EACH SIDE OF POLES METAL FACIA WITH VENTED EAVE -ATTACH USING (5) 5/16" x 4" LONG \$ DRIP EDGE GRK-RSS SCREWS PER POLE / JOINT 2x4 - #2 SPF GIRTS — ~ 24" O.C. — (3)-PLY 2x8 COLUMNS. @ 6' O.C. FOR BEARING WALL POLES 29 GAUGE PAINTED STEEL — UNLESS OTHERWISE NOTED (KNEE BRACE AREAS)  $\sim$  (3)-PLY 2x6 POLES FOR NON LOAD BEARING WALLS COMMERCIAL TYVEK UNDER STEEL — (FOR WINDOW / DOOR SEALING) - 5" THICK CONCRETE FLOOR ~ VERIFY WITH OWNER 2x8 WOLMANIZED SKIRT BOARD — ~ (UC4B) SLOPE AWAY FROM BUILDING 2x6 TREATED BLOCKING FOR UPLIFT PREVENTION - COMPACTED SAND ALL POLES 24" DIA. x 8" THICK CONCRETE FOOTING ~ (TYP.) (GABLE ENDS TO BE 16" DIA. x 8" THICK CONCRETE FOOTING) SECTION VIEW A-A ASSUMED SOIL BEARING CAPACITY: 2,000 PSF  $SCALE \sim 1/4" = 1'-0"$ 

> BRIAN PEARSON 6779 ENTERPRISE DRIVE DOUGLAS, MI 49406

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A-4