

RECEIVED

PERMIT NUMBER: B-23002607

DATE ACCEPTED:

11/10/23

RESIDENTIAL BUILDING PERMIT APPLICATION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS
 3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4
www.howardcountymd.gov

BUILDING SITE ADDRESS REQUIRED

Street Address: **3242 Starting Gate Ct** Unit: _____
 City: **Woodbine** State: **MD** Zip Code: **21797**
 Subdivision/Village/Complex Name: _____ SDP/WP/BA #: _____
 Lot: _____ Tax Map: _____ Parcel: _____ Grading Permit #: _____

DESCRIPTION OF WORK REQUIRED

Existing Use: **None** Proposed Use: **Pole Barn for storage** Estimated Cost: **\$60,000.00**
 Trade Work to Be Completed (Separate Permits Required): Mechanical (HVACR) Electrical Plumbing None
Detached Garage/Pole barn for lawn equipment storage 36x40. No electric or plumbing

PROPERTY OWNER INFORMATION REQUIRED

Owner(s) Name(s) (As it appears on tax records): **David Johnson** Primary Residence: Yes No
 Owner's Street Address: **3242 Starting Gate Ct**
 City: **Woodbine** State: **MD** Zip Code: **21797**
 Phone: **(410) 710-8028** Email: _____

APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

Business Name: **Morton Buildings** Contact Name: **Bobby Velisek**
 Street Address: **3368 York Road**
 City: **Gettysburg** State: **MD** Zip Code: **17325**
 Phone: **(717) 640-4216** Email: **bobby.velisek@mortonbuildings.com**

CONTRACTOR INFORMATION REQUIRED

Business Name: **Morton Buildings Inc**
 Licensee's Name: **Morton Buildings Inc** License #: ~~85126588-MHIC-11384~~ **194377**
 Street Address: **252 West Adams St**
 City: **Morton** State: **IL** Zip Code: **61550**
 Phone: **(717) 624-3331** Email: **mbcontractorlicense@mortonbuildings.com**

ARCHITECT/ENGINEER INFORMATION INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE

Business Name: **Allied Design Architectural & Engineering Group** Name: **Benjamin Zobrist**
 Street Address: **100 S Pershing PO box 110**
 City: **Morton** State: **IL** Zip Code: **61550**
 Phone: **(309) 263-4105** Email: _____

BUILDING CHARACTERISTICS REQUIRED

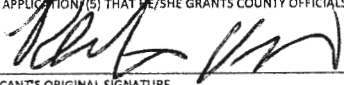
Primary Structure: SF Dwelling SF Townhouse SF Duplex Mobile Home Multi-Family Dwelling (MF*) Condo: Yes No
 Utilities: Electric Gas Water Supply: Public Private (Well) Sewage Disposal: Public Private (Septic)
 Heating System: Electric Natural Gas Propane Other: _____ Roadside Tree Project: No Yes: # _____
 Sprinkler System: NFPA 13 NFPA 13R NFPA 13D None Fire Alarm System: Yes No Voice Evac

ADDITIONAL RESIDENTIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Model Name & Options:
 # of Bedrooms (SF): _____ # of efficiency units (MF*): _____ # of 1 BR (MF*): _____ # of 2 BR (MF*): _____ # of 3 BR (MF*): _____
 # Rooms: _____ # Full Baths: _____ # Half Baths: _____ # Fireplaces: _____
 Garage/Carport Info: Attached Garage Detached Garage Integral Garage Carport None
 Basement/Foundation Info: Slab on Grade Post & Pler Unfinished Basement Finished Basement: Full or Partial
 1st Fl Width: _____ 1st Fl Depth: _____ 2nd Fl Width: _____ 2nd Fl Depth: _____ Bsmt Width: _____ Bsmt Depth: _____
 Energy Method: Prescriptive Performance UA Alternative ERI Gross Area: _____ sq ft Occupiable Area: _____ sq ft

AGREEMENT/ DISCALIMER REQUIRED

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

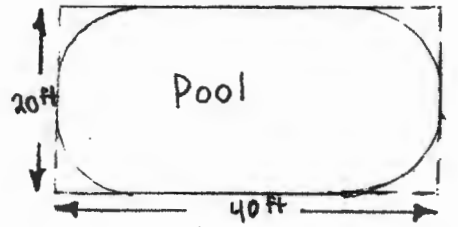
APPLICANT'S ORIGINAL SIGNATURE:  DATE SIGNED: **7/10/23**

FOR OFFICE USE ONLY CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

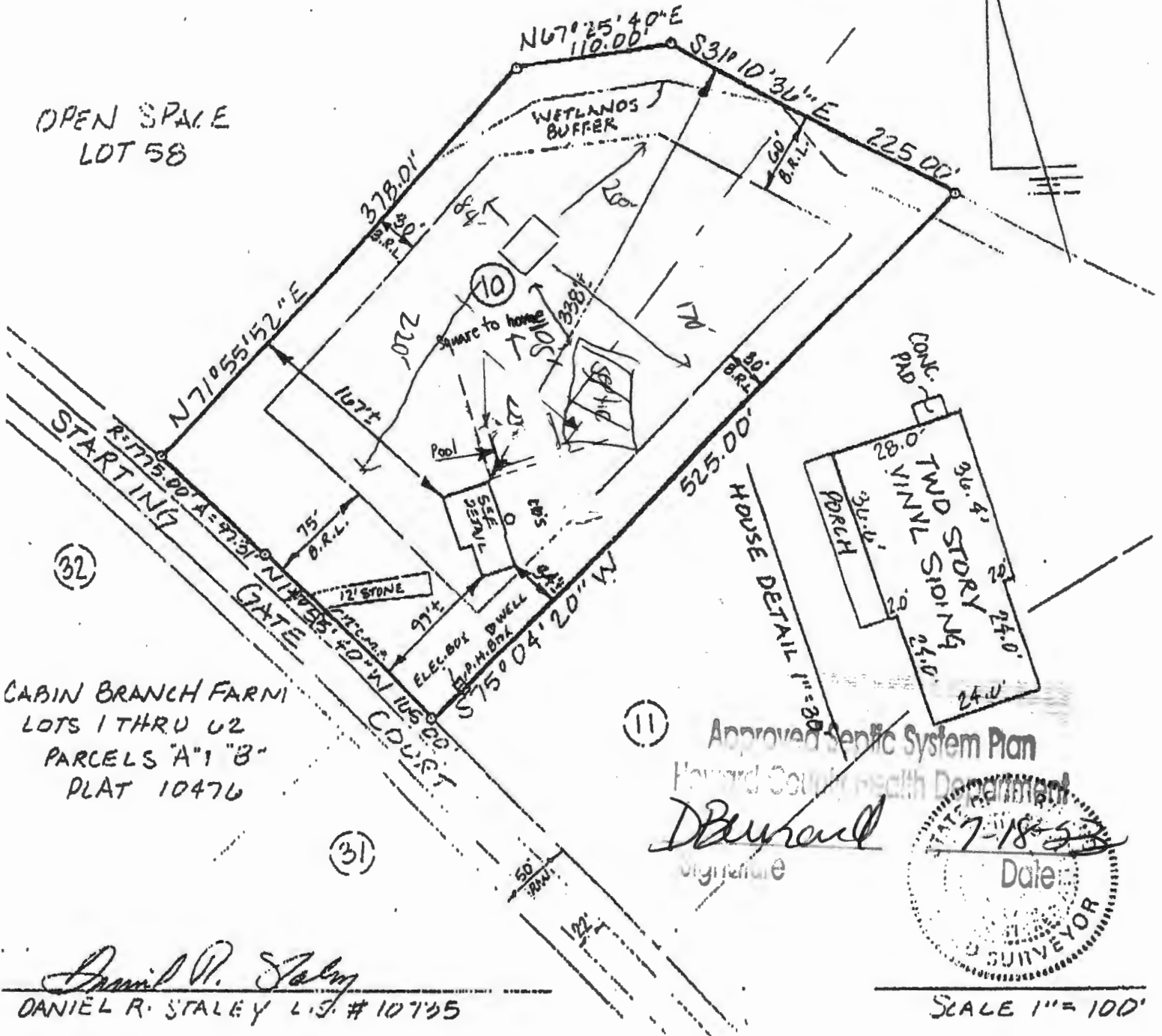
AGENCIES REQUIRED/APPROVALS:
 PR DPZ DEB Health SHA CID

SUBMITTAL FEES: **\$2500** PAYMENT: **Pay Online** ACCEPTED BY: **MP**

CABIN BRANCH FARM
 LOTS 1 THRU 6/2
 PARCELS "A" & "B"
 PLAT 10483



OPEN SPACE
 LOT 58



CABIN BRANCH FARM
 LOTS 1 THRU 6/2
 PARCELS "A" & "B"
 PLAT 10476

Approved Septic System Plan

D. Baur
 Signature



SCALE 1" = 100'

Daniel R. Staley
 DANIEL R. STALEY L.S. # 10735

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

MFS PRE-CAST CONCRETE COLUMN - MORTON BUILDINGS FOUNDATION SYSTEM IS A PRE-ENGINEERED, 10,000 PSI, STEEL REINFORCED COLUMN FOR BELOW GROUND INSTALLATION. DESIGNED TO BE MECHANICALLY FASTENED TO ABOVE GROUND NAIL LAMINATED COLUMNS. THE SYSTEM IS DESIGNED TO RESIST BOTH AXIAL AND BENDING FORCES.

FOOTINGS AND ANCHORAGE - COLUMN HOLES ARE DUG A MINIMUM DEPTH OF 4'-0" BELOW GRADE (SEE PLANS FOR DIAMETER AND DEPTH). MFS PRE-CAST CONCRETE COLUMNS ARE PLACED IN THE HOLE. CONCRETE (MINIMUM COMPRESSIVE STRENGTH 2500 PSI) IS POURED IN PLACE TO THE SPECIFIED THICKNESS (SEE PLANS FOR REQUIRED THICKNESS ABOVE AND BELOW THE COLUMN). THE COLUMN IS THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS OR BACKFILLED WITH CONCRETE (SEE PLANS).

TREATED LUMBER - PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED OR S4S. PRESSURE TREATMENT TO GROUND CONTACT RETENTION WITH PRESERVATIVE TREATMENT COMPLYING WITH USE CATEGORY UC4B (AWPA OR ICC-ES) AND IN COMPLIANCE WITH USEPA GUIDELINES AND STANDARDS.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED, IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING & ROOFING PANELS (FLUOROFLEX 1000™) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL WITH AN ADDITIONAL BAKED-ON 70% PVDF FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

GUTTERS - 5" OR 6" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, 70% PVDF FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.
2x4 F1 F1 MFS 09/20

SHEET INDEX	
SHEET #	DESCRIPTION
G1 OF G1	SPECIFICATIONS & SHEET INDEX
S1 OF S6	COLUMN PLAN
S2 OF S6	TRUSS PLAN & DETAILS
S3 OF S6	TRUSS DRAWING & DETAILS
S4 OF S6	ELEVATIONS
S5 OF S6	SECTION & DETAILS
S6 OF S6	SECTIONS

CURRENT LUMBER SPECIFICATIONS (06-01-2013)		
SIZE	DESCRIPTION	BENDING VALUE Fb
2x4	NO. 2 SPF	1313 PSI
2x4	NO. 1 SYP	1500 PSI
2x4	2100f MSR SPF	2100 PSI
2x6	NO. 2 SPF	1138 PSI
2x6	NO. 1 SYP	1350 PSI
2x6	2100f MSR SPF	2100 PSI
2x6	2400 MSR SYP	2400 PSI
2x8	NO. 1 SYP	1250 PSI
2x8	2400 MSR SYP	2400 PSI
2x10	NO. 1 SYP	1050 PSI
2x10	2400 MSR SYP	2400 PSI
2x12	NO. 1 SYP	1000 PSI
2x12	2250f MSR SYP	2250 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

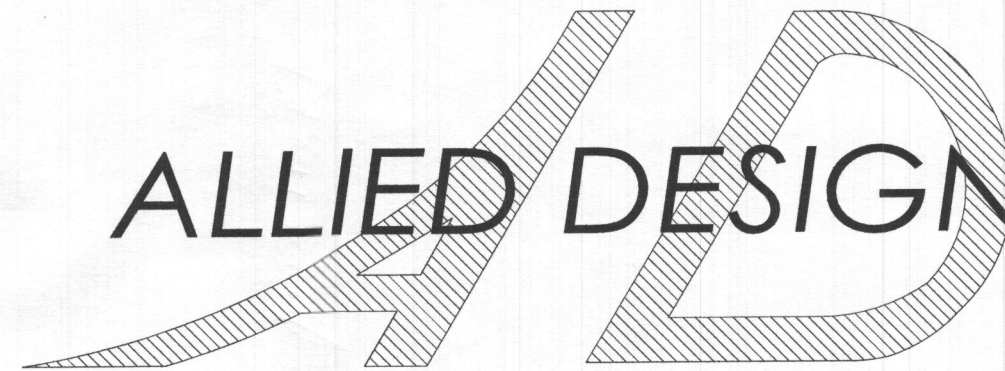
BUILDING DESIGN CRITERIA	
BUILDING CODE	IBC 2021
USE GROUP	U
CONSTRUCTION TYPE	VB
RISK CATEGORY	I
BUILDING DESIGN ELEVATION	500 FT.
BUILDING AREA	1440 SQ. FT.
ROOF LIVE LOAD	40 PSF
GROUND SNOW LOAD*	40 PSF
WIND SPEED (V _{ult})	105 MPH
WIND SPEED (V _{asd})	81 MPH

*ROOF SNOW LOAD CALCULATIONS

$P_f = 0.7 \times C_e \times I \times P_g \times C_t$
 $C_e =$ SNOW EXPOSURE FACTOR = 1.0
 $I =$ IMPORTANCE FACTOR = 0.8
 $P_g =$ GROUND SNOW LOAD = 40 PSF
 $C_t =$ THERMAL FACTOR = 1.2
 $P_f = 0.7 \times 1.0 \times 0.8 \times 40 \times 1.2 = 26.88$ PSF
 $C_s =$ ROOF SLOPE FACTOR = 1.00
 $P_s = P_f \times C_s = 26.88 \times 1.00 = 26.88$ PSF

DESIGN AND EXPLANATORY NOTES

- 1.) ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPORATED AS PART OF THESE DRAWINGS.
- 2.) MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
- 3.) NO ONE MAY ALTER ANY ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED / REGISTERED ENGINEER.
- 4.) ♦ THE PRECEDING SYMBOL IDENTIFIES ITEMS THROUGHOUT THE PLANS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.



OFFICE:
GETTYSBURG, PA
JOB NO.
064-125272

DAVID JOHNSON
WOODBINE, MD

MD
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
AR CORP # 15160
PHONE NUMBER: 309-263-4105

DRAWN BY:	BG
DATE:	6/2/2023
CHECKED BY:	---
DATE:	---
REVISED DATE:	---
REVISED DATE:	---
REVISED DATE:	---
REVISED DATE:	---

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

Benjamin J. Zobrist
Date: 2023.06.06
15:21:49 -05'00'
BENJAMIN J. ZOBRIST, P.E.
LICENSE #55233
EXPIRATION DATE: 19 - NOV - 2023
ben.zobrist@allicedesignaes.com

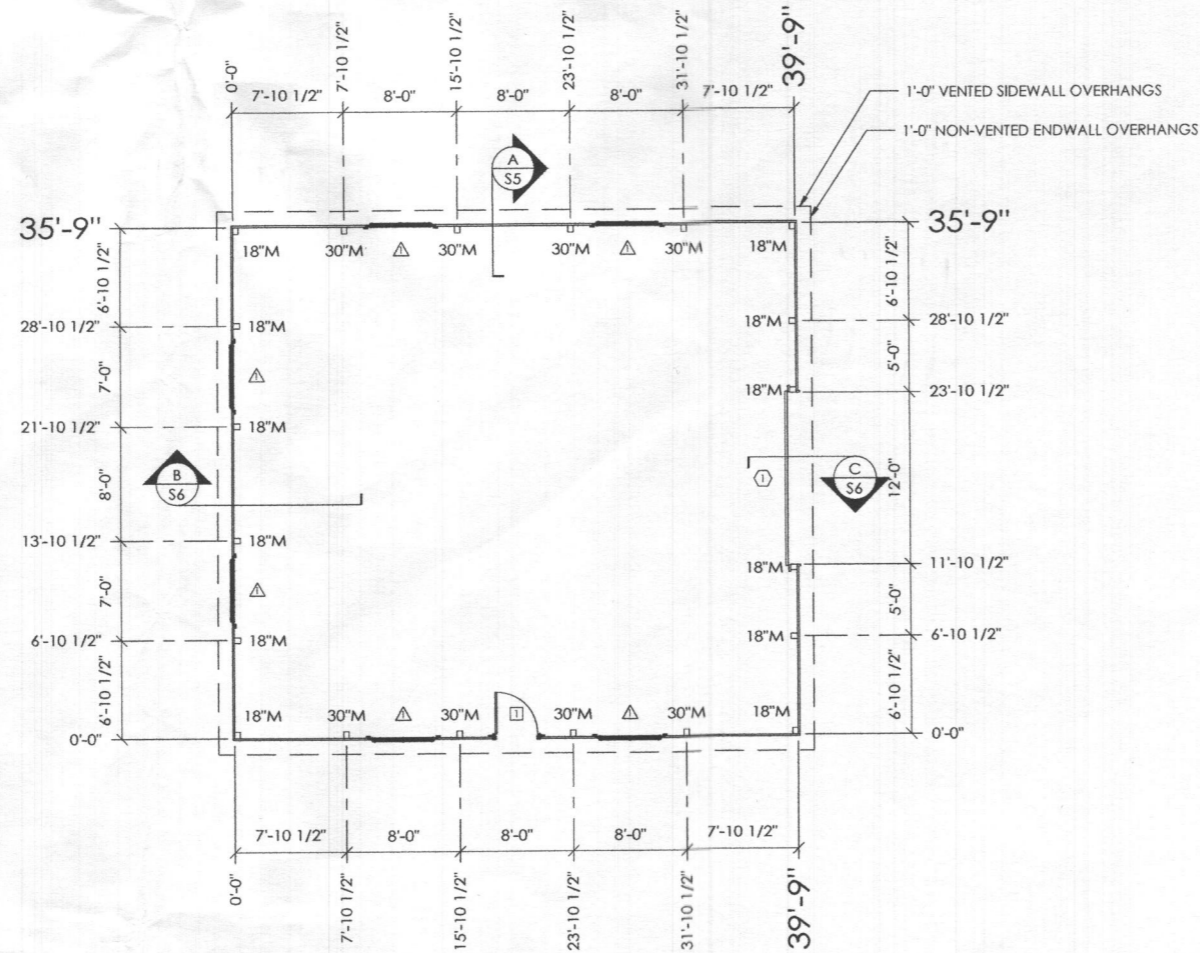
DIGITALLY CERTIFIED BY BENJAMIN J. ZOBRIST ON DATE ADJACENT TO SIGNATURE ABOVE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE CERTIFICATE MUST BE VERIFIED ON ELECTRONIC COPIES.



SCALE: AS NOTED
SHEET NO: G1 OF G1

DAVID JOHNSON
WOODBINE, MD

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 AR CORP # 15160
PHONE NUMBER: 309-263-4105



COLUMN PLAN

COLUMN PLAN LEGEND

- - 3-2x6 LAMINATED COLUMN LOCATION
- ▣ - 3068 MB910 9-LITE GLASS WITH CROSSBUCK WALKDOOR, IN SWING, RIGHT HINGE WITH LOCKSET
- △ - (6) 4429 9-LITE MB SLIDING WINDOWS
- ◇ - 12'-2"x10'-1" OVERHEAD DOOR
- ① - FORMED DRY-PANEL (ROOF ONLY)
- ALL STEEL FASTENED WITH STAINLESS STEEL SCREWS
- 18" M - 18" DIAMETER FOOTING WITH 4' TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM). 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.
- 30" M - 30" DIAMETER FOOTING WITH 4' TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM). 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

ROUGH OPENING SCHEDULE		
UNIT SYMBOL FROM LEGEND	WIDTH	HEIGHT
①	37 3/4"	81"
△	52 1/4"	33 5/8"

N



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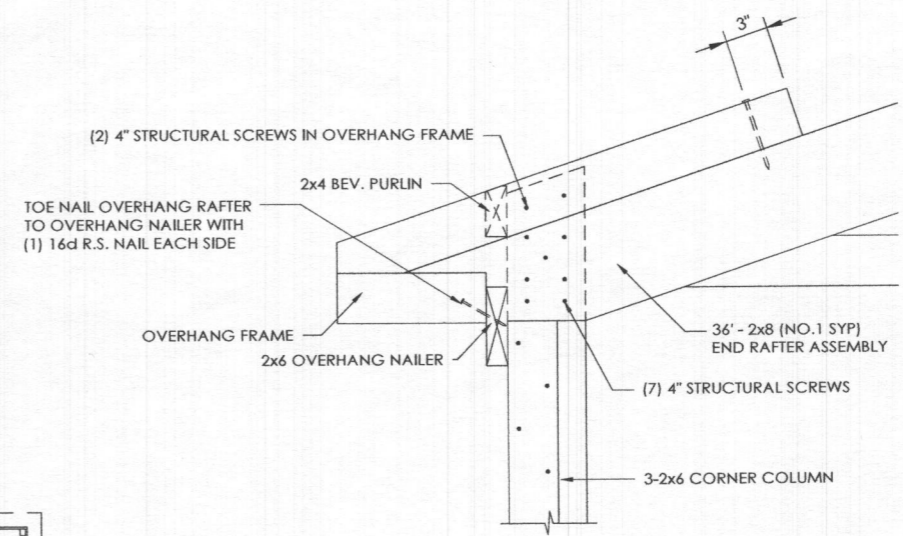


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SHEET NO:	OF:
S1	S6

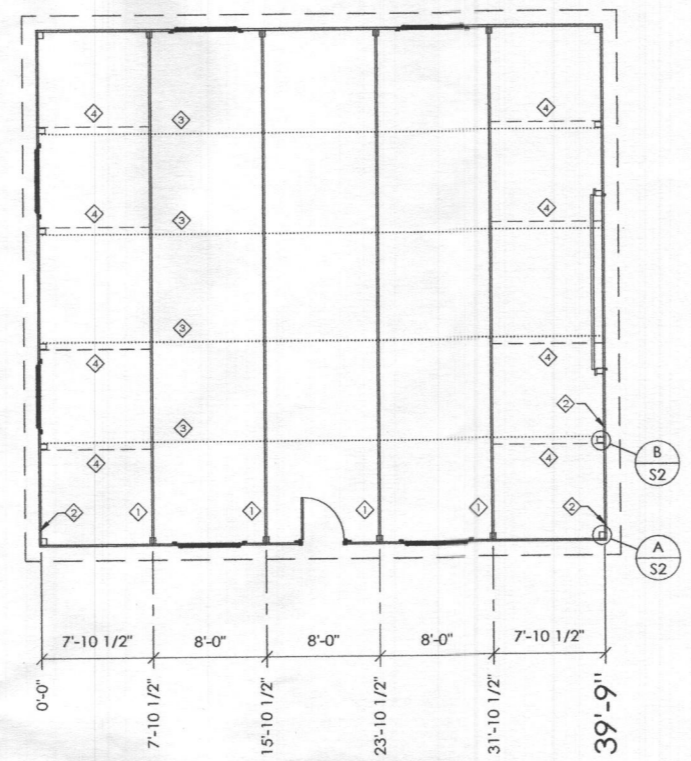
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DETAIL A
SCALE: 1 1/2" = 1'-0"

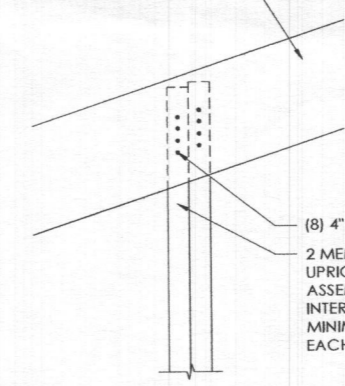


TRUSS/BRACING PLAN

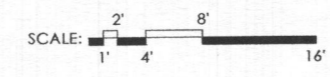
TRUSS/BRACING PLAN LEGEND

- ◇ - 36' 4090-S1 S.C. TRUSS
- ◇◇ - 36' END RAFTER ASSEMBLY
- ◇◇◇ - 2x4 TRUSS TIES
- ◇◇◇◇ - 2x6 DIAGONAL END BRACES
(TO EXTEND TO FIRST TRUSS IN FROM ENDWALL)

36' - 2x8 (NO.1 SYP)
END RAFTER ASSEMBLY



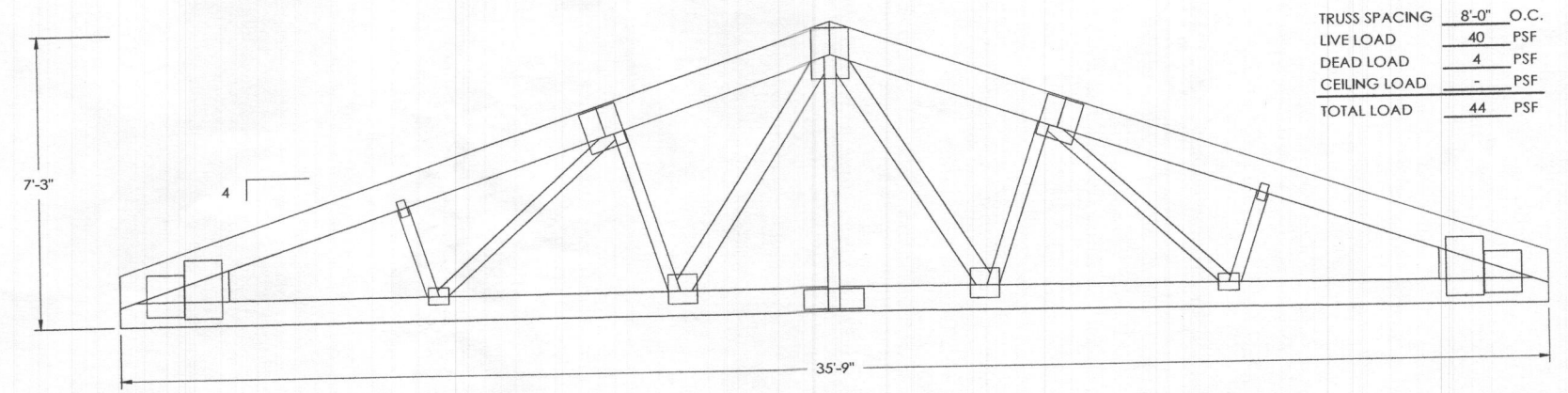
DETAIL B
SCALE: 1 1/2" = 1'-0"



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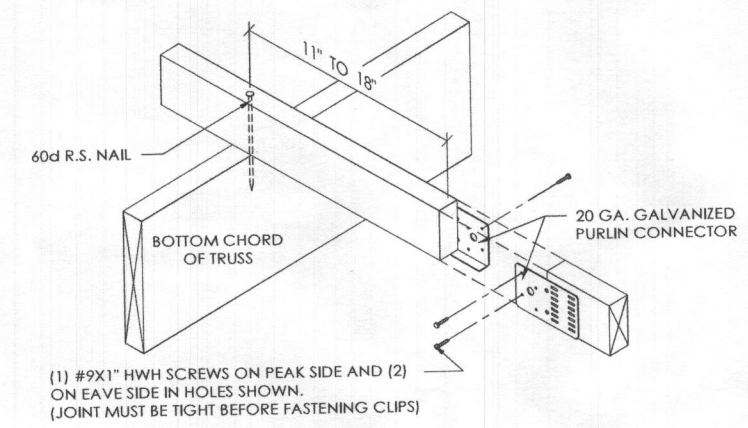


SCALE: AS NOTED
SHEET NO: S2 OF: S6



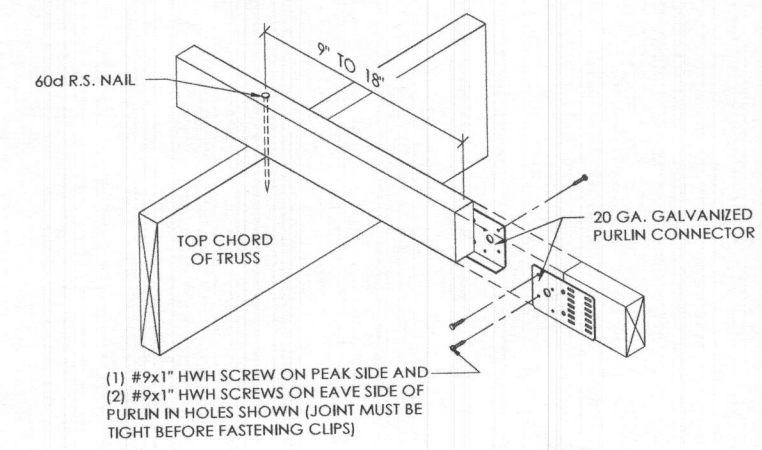
TRUSS SPACING	8'-0"	O.C.
LIVE LOAD	40	PSF
DEAD LOAD	4	PSF
CEILING LOAD	-	PSF
TOTAL LOAD	44	PSF

36' S.C. 4090-S1 TRUSS
SCALE: 3/8" = 1'-0"



(1) #9x1" HWH SCREWS ON PEAK SIDE AND (2) ON EAVE SIDE IN HOLES SHOWN. (JOINT MUST BE TIGHT BEFORE FASTENING CLIPS)

2x4 TRUSS TIE DETAIL
SCALE: 1/2" = 1'-0"



(1) #9x1" HWH SCREW ON PEAK SIDE AND (2) #9x1" HWH SCREWS ON EAVE SIDE OF PURLIN IN HOLES SHOWN (JOINT MUST BE TIGHT BEFORE FASTENING CLIPS)

2x4 BUTTED PURLIN DETAIL
(PURLIN CONNECTED WITH 60D R.S. NAIL)
SCALE: 1 1/2" = 1'-0"

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