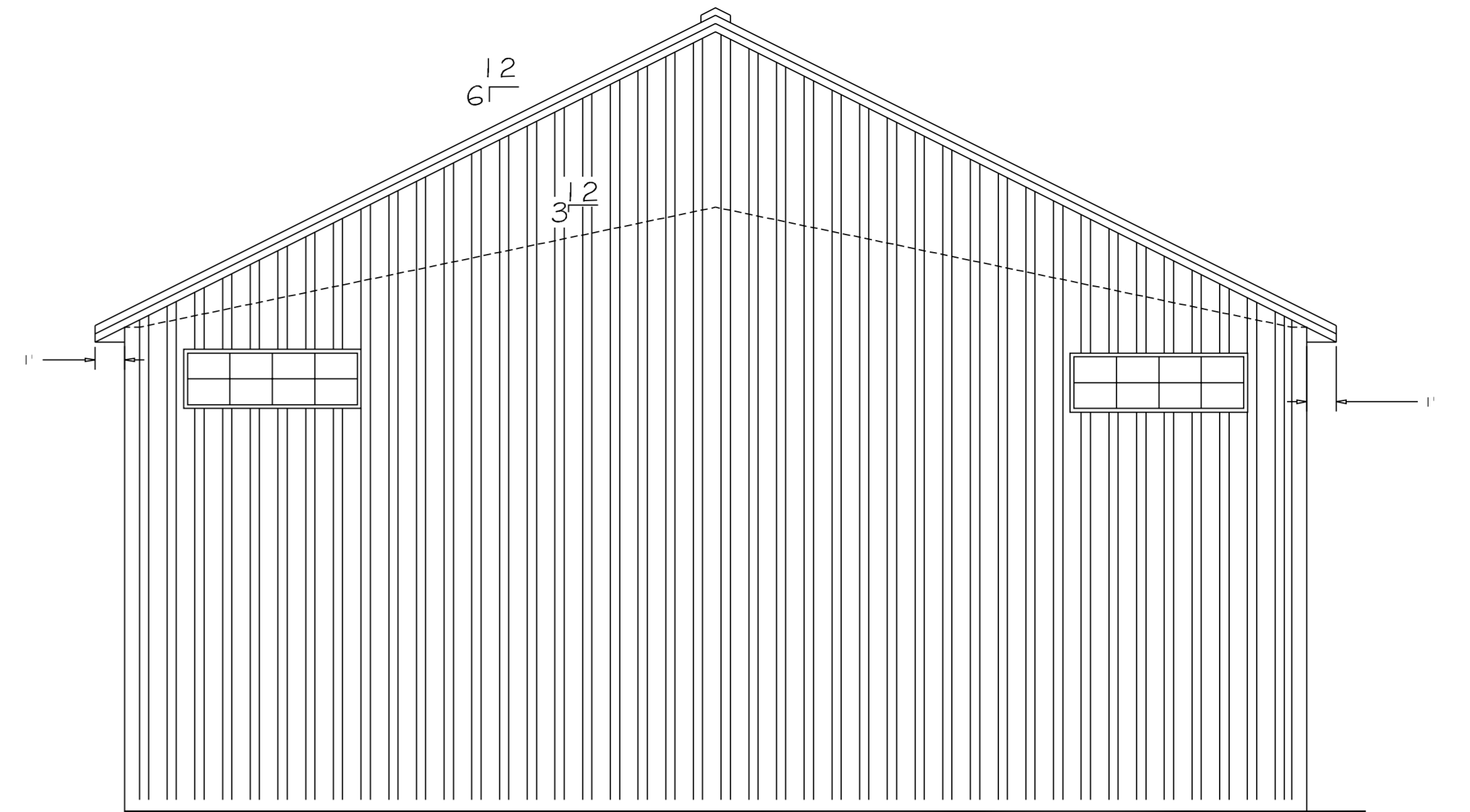


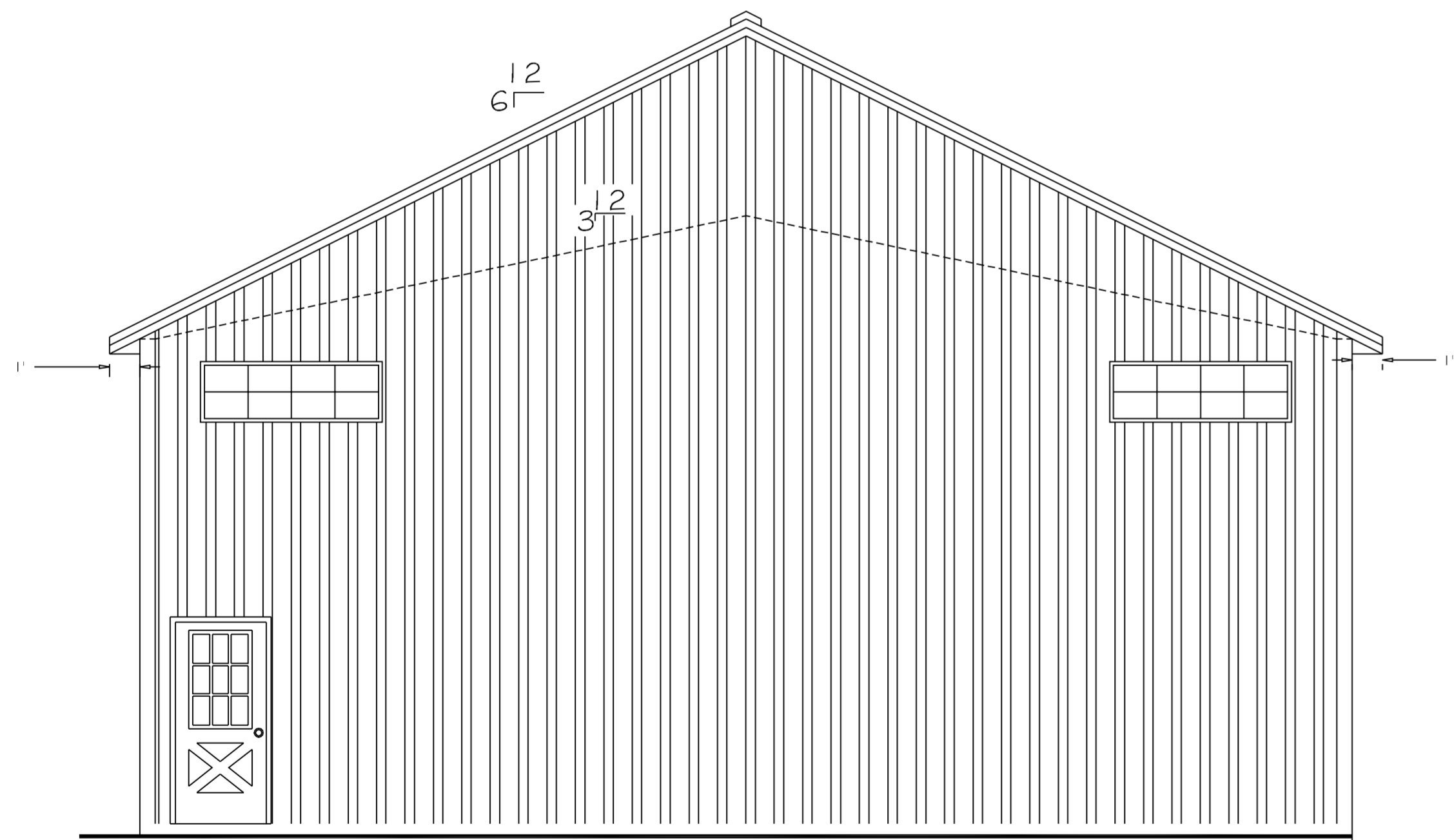
NORTH ELEVATION

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



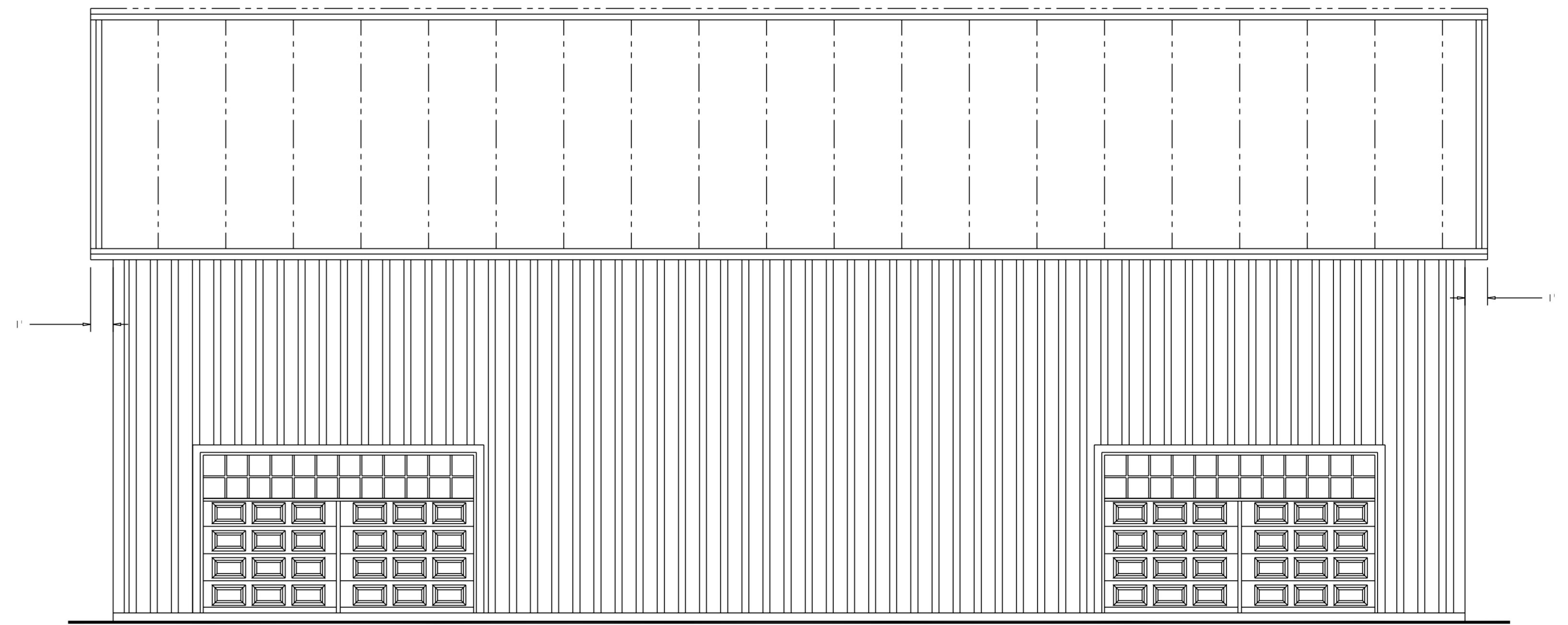
EAST ELEVATION

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



WEST ELEVATION

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



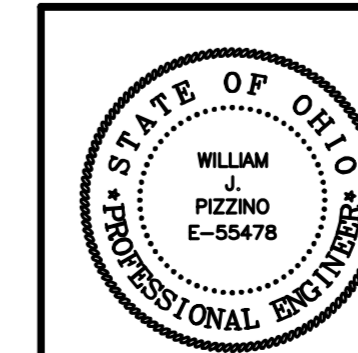
SOUTH ELEVATION

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



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 PLAIN CITY, OHIO 43064

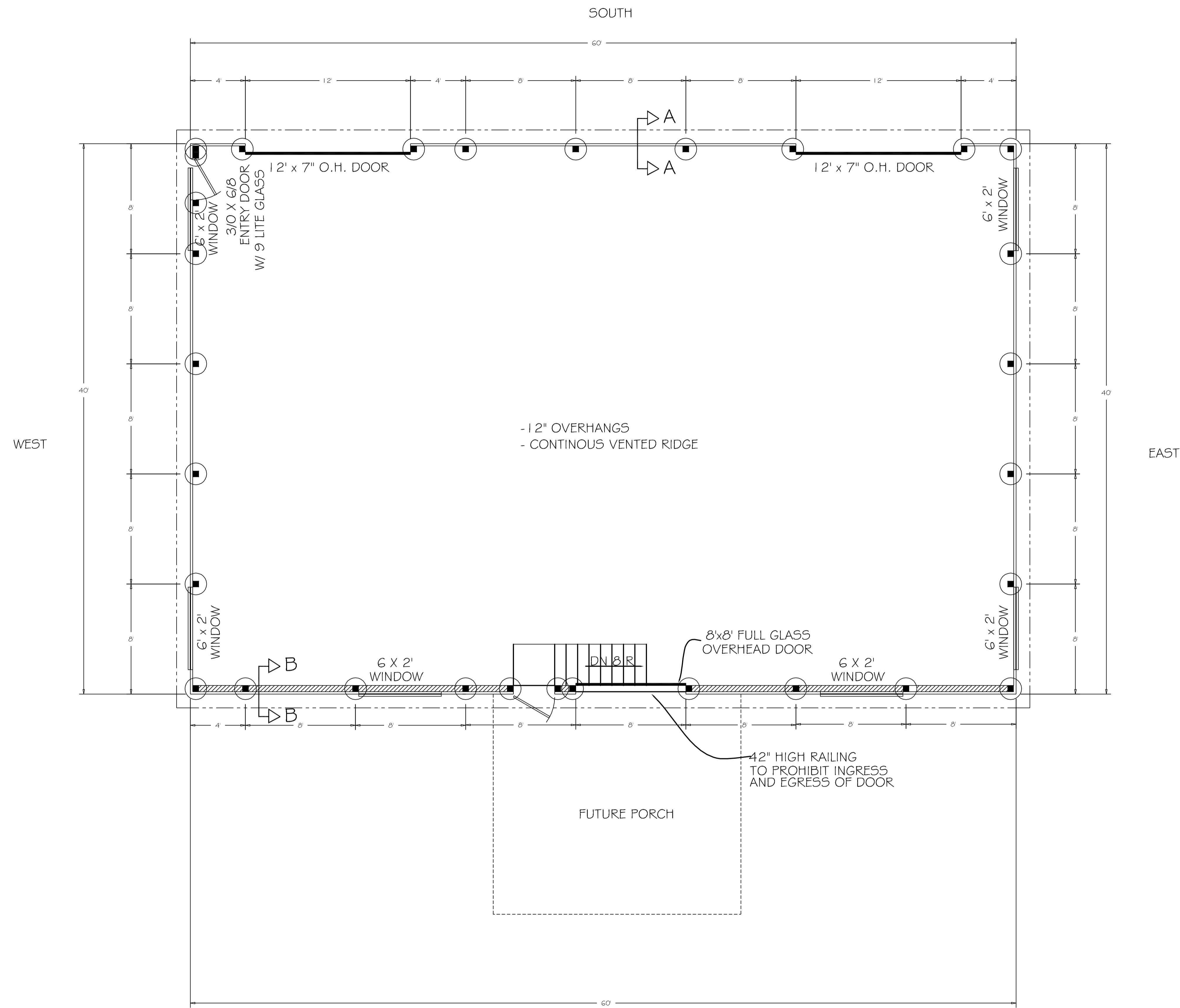
*William Pizzino*  
 5-21-2021



OWNER: ELIAS TU  
 7605 BEL AIRE AVE  
 DUBLIN, OHIO 43017

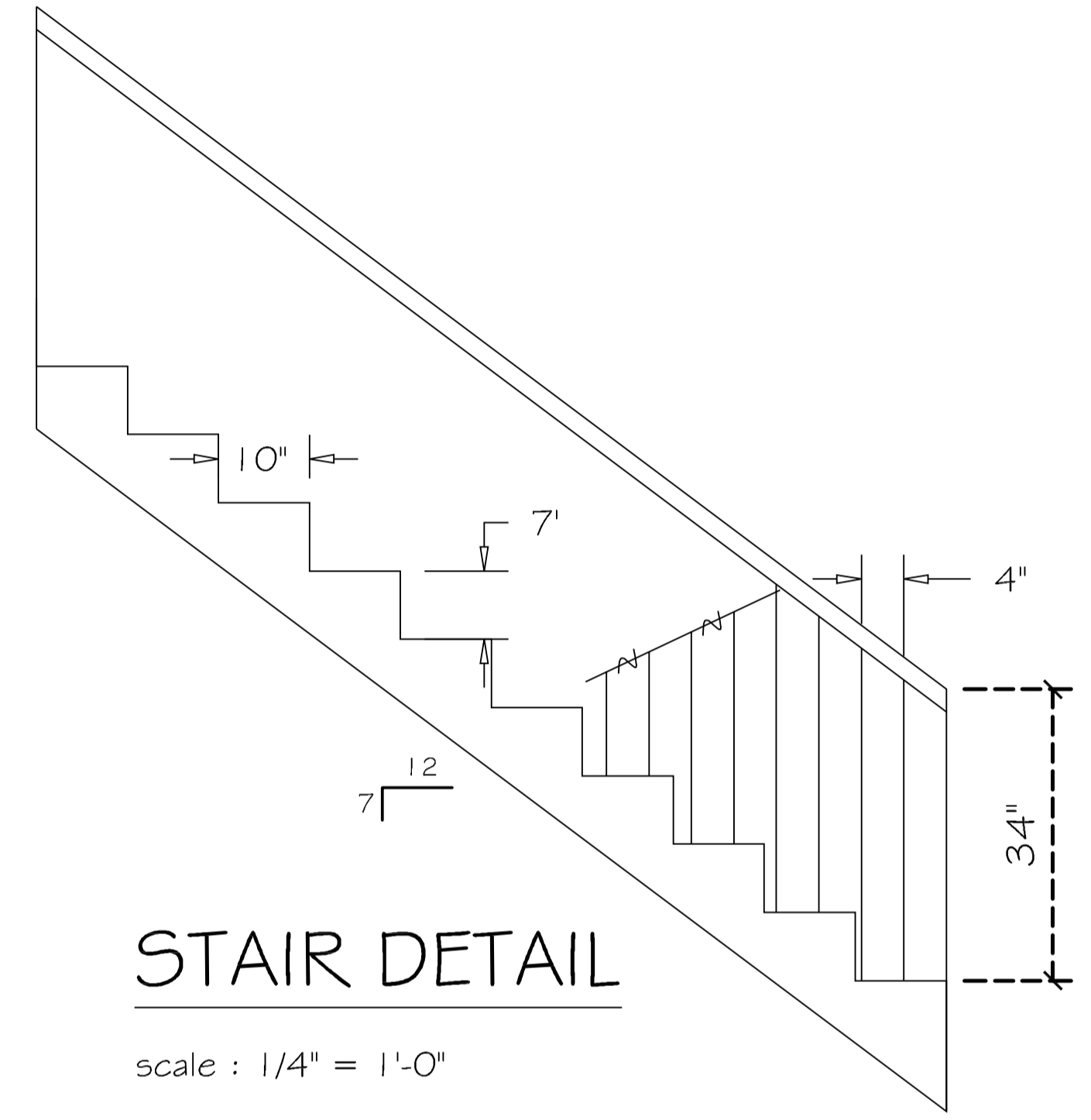
DESIGNED BY:  
 PIZZINO ENGINEERING & CONSULTING, LLC.  
 WILLIAM J. PIZZINO, P.E.  
 9495 SR 161  
 PLAIN CITY, OHIO 43064  
 (614) 325-2462

SCALE: AS NOTED	THIS SHEET: EXTERIOR ELEVATIONS	DRAWN BY: WJP
DATE: 5-21-2021		
REVISED:		PAGE NUMBER: 2 OF 7




NORTH  
**POST & FLOOR PLAN**

scale : 1/4" = 1'-0"




**STAIR DETAIL**

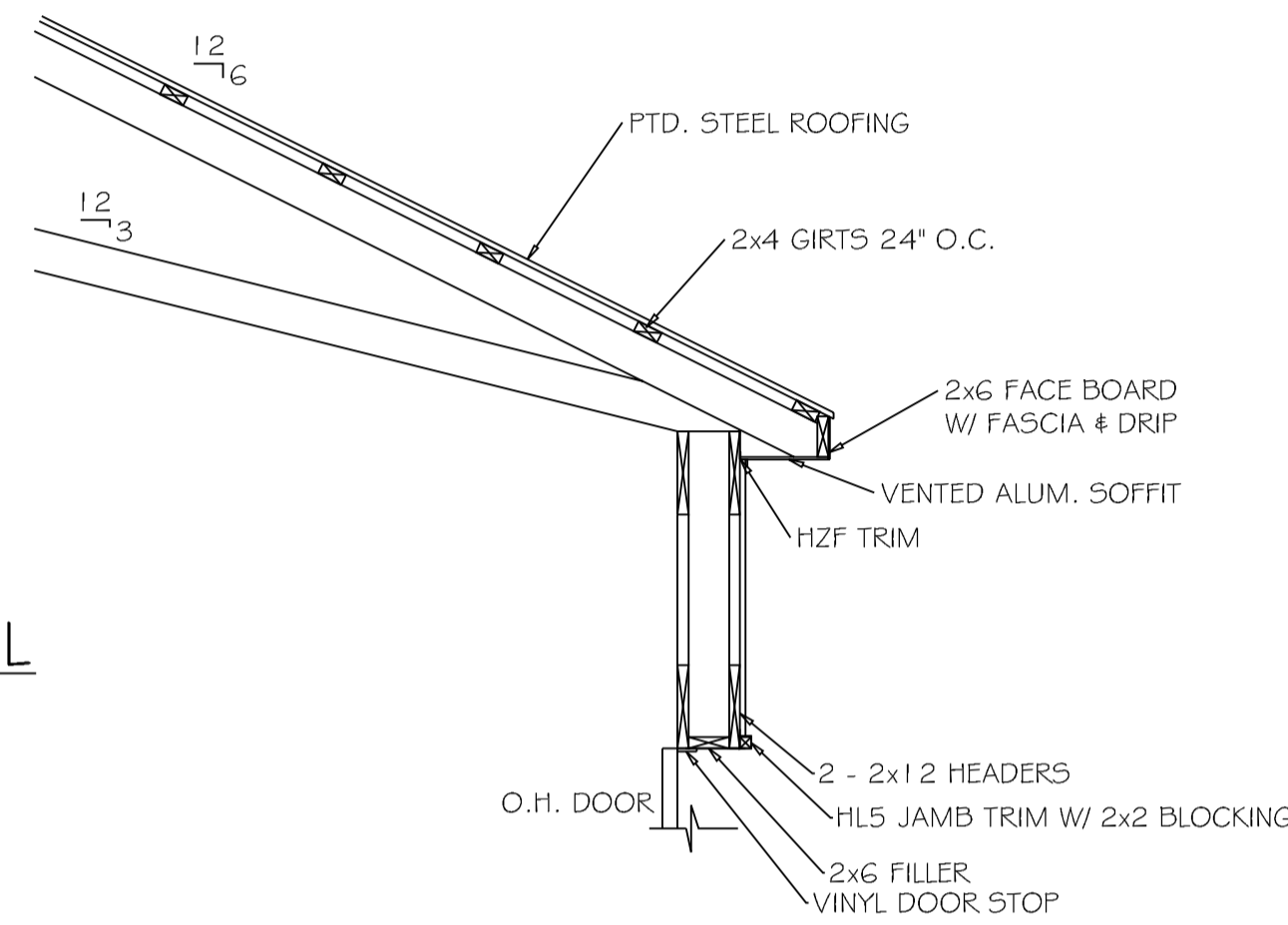
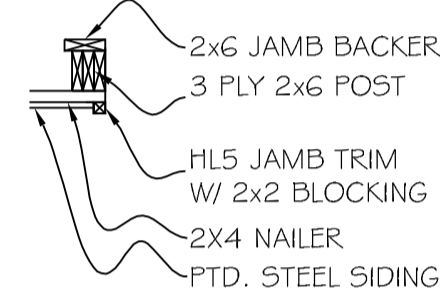
scale : 1/4" = 1'-0"


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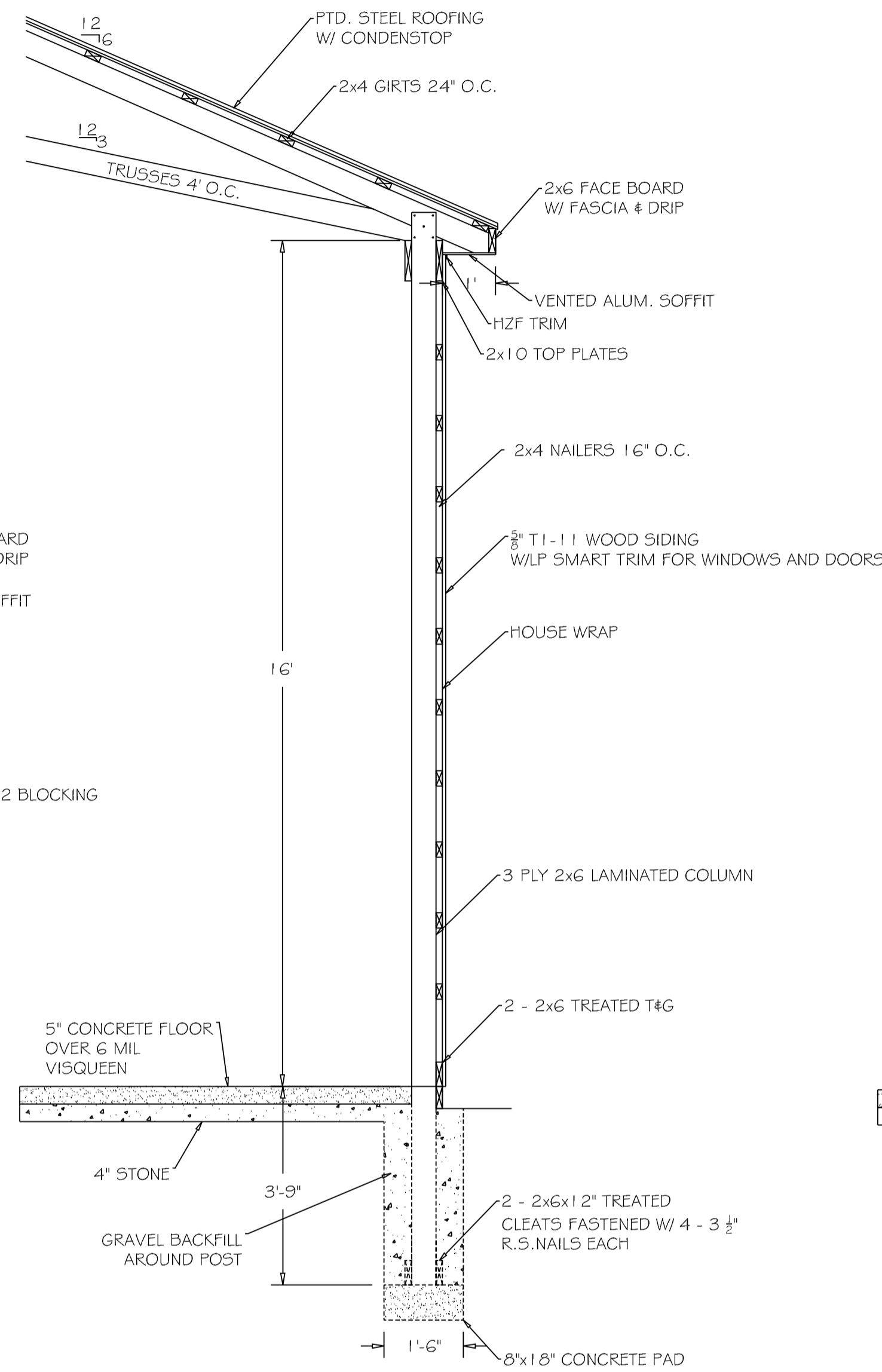
*William Pizzino*  
 5-21-2021

	OWNER: ELIAS TU 7605 BEL AIRE AVE DUBLIN, OHIO 43017	SCALE: AS NOTED DATE: 5-21-2021	THIS SHEET: FLOOR PLANS DRAWN BY: WJP
	DESIGNED BY: PIZZINO ENGINEERING & CONSULTING, LLC. WILLIAM J. PIZZINO, P.E. 9495 SR 161 PLAIN CITY, OHIO 43064 (614) 325-2462	REVISED:	PAGE NUMBER: 3 OF 7

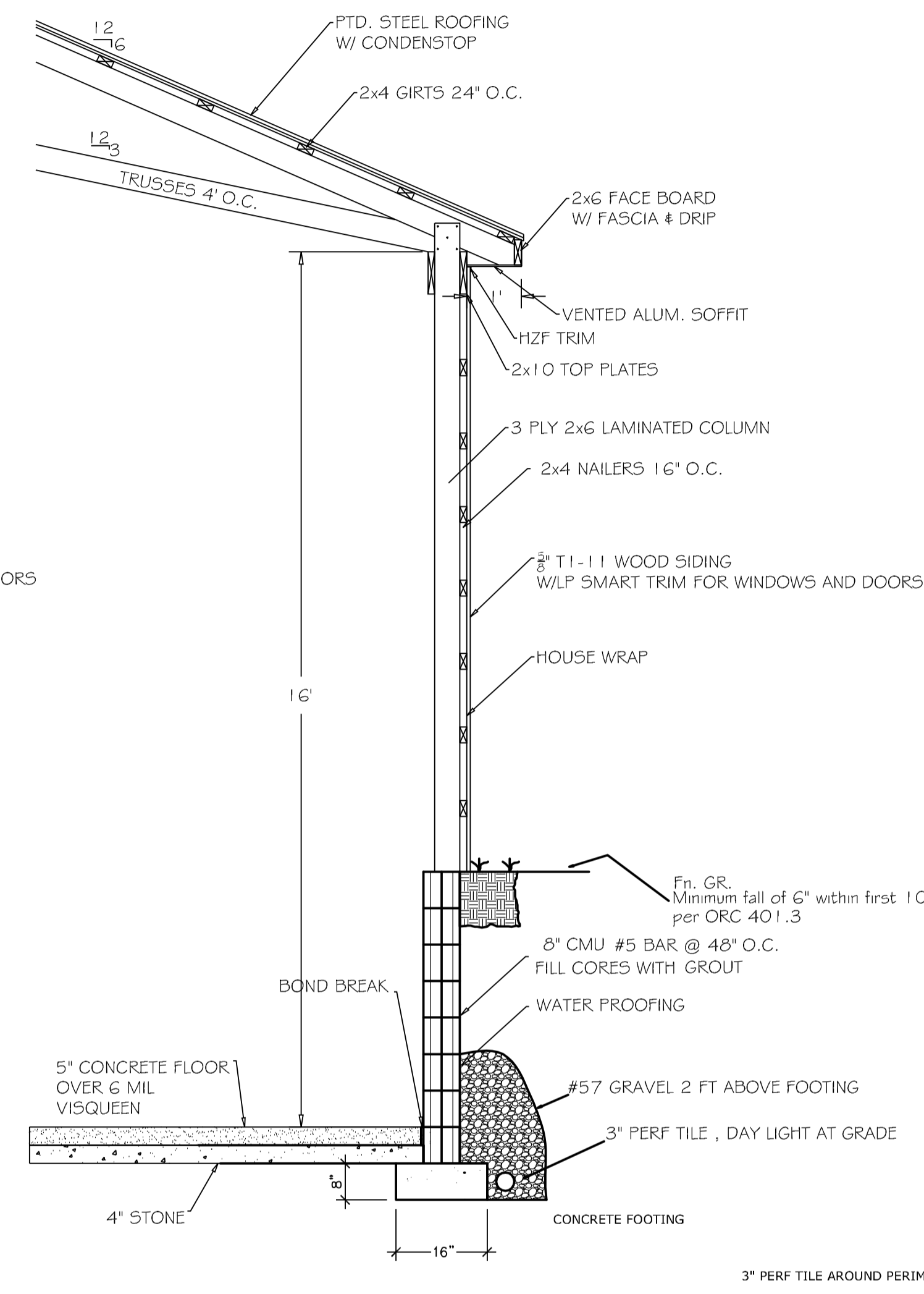
**O.H. DOOR JAMB DETAIL**  
scale : 3/8" = 1'-0"



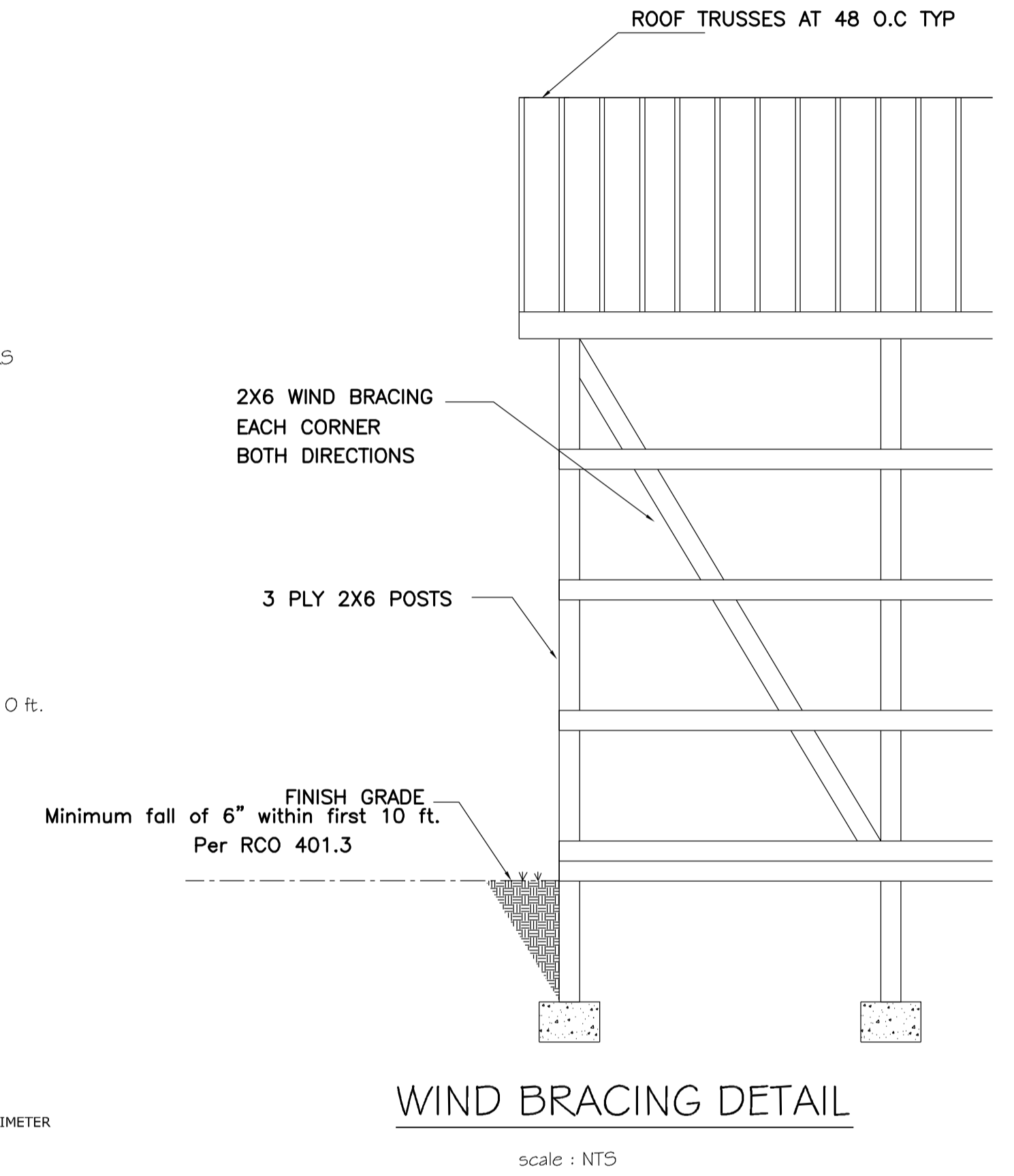
**O.H. DOOR HEADER DETAIL**  
scale : 3/8" = 1'-0"



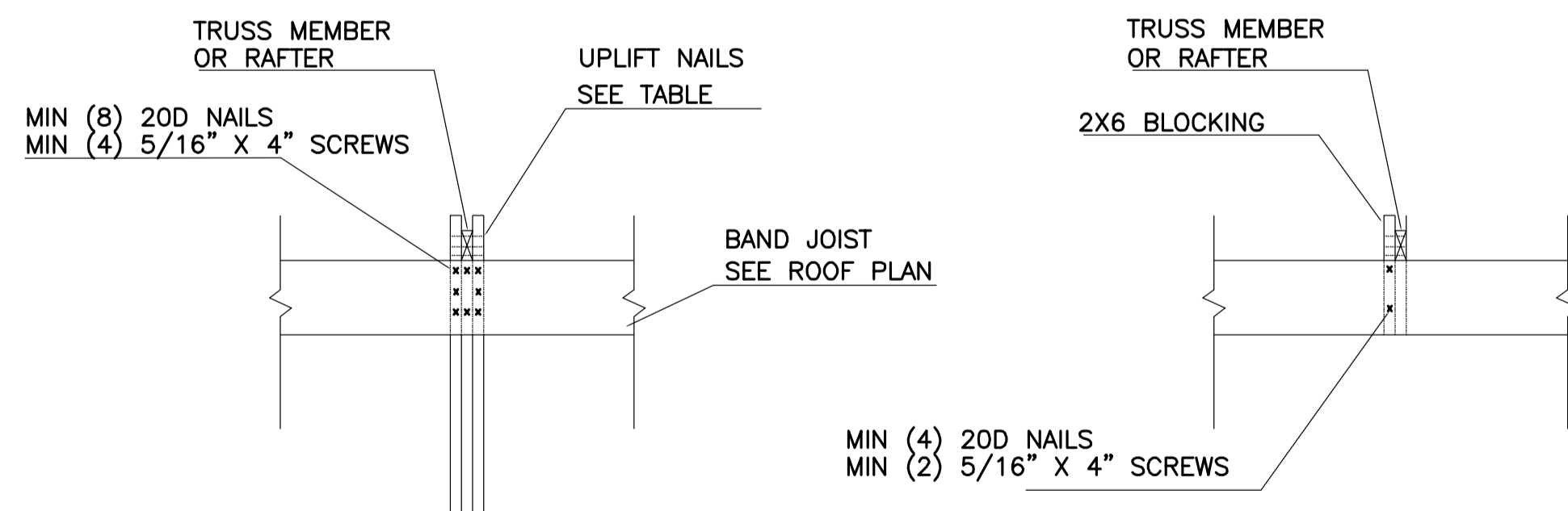
**SECTION A-A**  
scale : 3/8" = 1'-0"



**SECTION B-B**  
scale : 3/8" = 1'-0"



**WIND BRACING DETAIL**  
scale : NTS



**POST CONNECTION DETAIL**  
scale : NTS

*William Pizzino*  
5-21-2021

	OWNER: ELIAS TU 7605 BEL AIRE AVE DUBLIN, OHIO 43017	SCALE: AS NOTED THIS SHEET: FRAMING DETAILS
	DESIGNED BY: PIZZINO ENGINEERING & CONSULTING, LLC. WILLIAM J. PIZZINO, P.E. 9495 SR 161 PLAIN CITY, OHIO 43064 (614) 325-2462	DATE: 5-21-2021 DRAWN BY: WJP
REVISIONS:		PAGE NUMBER: 4 OF 7 <b>A.3</b>

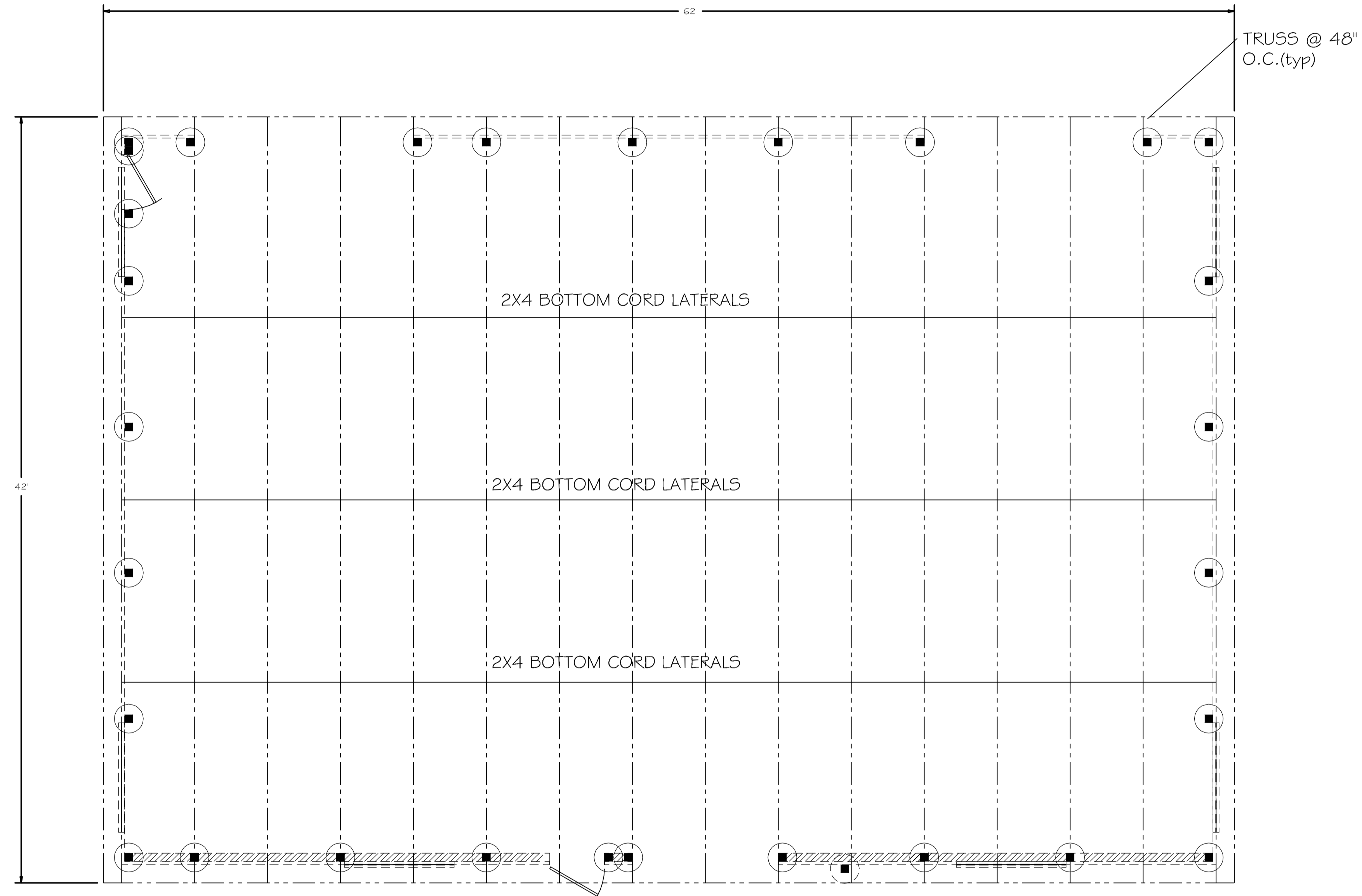
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## STRUCTURAL LUMBER

1. MATERIALS
  - A. STRUCTURAL LUMBER INCLUDING BEARING AND EXTERIOR WALL STUDS SPF #2 OR EQUAL. ALLOWABLE STRESSES PER THE NATIONAL DESIGN SUPPLEMENT 1991 EDITION, 19% MAX MC.
  - B. PLYWOOD- PLYWOOD CDX, STRUCTURAL II OR BETTER, EXTERIOR GLUE FOR ROOF AND WALLS. PANEL IDENTIFICATION INDEX 24/0- $\frac{15}{16}$ " MIN. (WITH PLYWOOD CLIPS). FOR FLOORS- PANEL IDENTIFICATION INDEX  $\frac{15}{16}$ ".
  - C. OSB- FOR WALLS=  $\frac{3}{4}$ " THICK WITH PANEL INDEX W24. EXPOSURE 1. FOR ROOFS =  $\frac{3}{4}$ " WITH PANEL INDEX IR24, EXPOSURE 1. FOR FLOORS =  $\frac{3}{4}$ " THICK STURD-I-FLOOR WITH PANEL IDENTIFICATION IF24, EXPOSURE 1. TONGUE AND GROOVE.
  - D. MICRO LAM (L.V.L.) MODULES OF ELASTICITY = 1,900,000,000 PSI, Fb= 2,600 PSI. DESIGN BASED ON TRUS-JOIST MACMILLAN.
  - E. TREATED WOOD -ACO (ALKALINE COPPER QUARTENARY) TREATED WOOD FOR WOOD MATERIALS IN CONTACT WITH CONCRETE. REQUIRED CONNECTIONS TO BE USED IN COORDINATION OF ACO, SEE NOTE 3E.
2. SPECIFICATIONS- UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST EDITION OF:
  - A. NATIONAL DESIGN SPECIFICATION FOR STRESS GRADE LUMBER AND ITS FASTENINGS.
  - B. U.S. PRODUCT STANDARDS PS-1 FOR SOFT PLYWOOD- CONSTRUCTION AND INDUSTRIAL.
  - C. 2006 INTERNATIONAL RESIDENTIAL CODE.
  - D. 2006 OHIO RESIDENTIAL CODE.
3. CONNECTIONS
  - A. JOIST TO SIDES OF BEAMS -16 GA. GALVANIZED STD JOIST HANGERS.
  - B. RAFTERS AND TRUSSES TO TOPS OF WALLS AND BEAMS- 18 GA. GALVANIZED HURRICANE ANCHORS.
  - C. PLYWOOD TO FLOOR JOIST- GLUED AND NAILED- USE 8D COATED SINKERS AT 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPORTS. USE ADHESIVE MEETING APA SPECIFICATION APC-01 AND APPLIED PER MANUFACTURER'S RECOMMENDATIONS.
  - D. PLYWOOD TO ROOF TRUSSES OR RAFTERS- NAILED - USE 8D COATED SINKERS AT 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPORTS. PROVIDE PLYWOOD CLIPS AT MID SPAN OF PLYWOOD BETWEEN SUPPORTS.
  - E. ALL FASTENERS, CONNECTORS, OR OTHER HARDWARE IN DIRECT CONTACT WITH PRESERVATIVE TREATED OR FIRE RETARDANT WOOD SHALL BE STAINLESS STEEL TYPE 304 OR TYPE 316, OR HOT DIPPED GALVANIZED STEEL ASTM A123, CLASS D WITH 1.85 OUNCES OF ZINC PER SQ. FT. TO REDUCE THE CORROSION PROCESS. THE FASTENERS SHALL BE MADE OF THE SAME MATERIAL FOR COMPATIBILITY.
  - G. WHERE CEILING JOISTS ARE NOT PARALLEL TO THE RAFTERS, SUB FLOORING OR METAL STRAPS ATTACHED TO THE ENDS OF THE RAFTERS SHALL BE INSTALLED IN A MANNER TO PROVIDE A CONTINUOUS TIE ACROSS THE BUILDING, OR RAFTERS SHALL BE TIED TO A 1"x4" MINIMUM SIZE CROSS TIE. THE CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE R602.3 OR CONNECTIONS OF EQUIVALENT CAPACITIES SHALL BE PROVIDED.
  - F. WHERE RAFTERS ARE NOT PARALLEL TO JOIST, RAFTERS SHALL BE TIED WITH A RAFTER TIE LOCATED AS CLOSE TO THE PLATE AS POSSIBLE. RAFTER TIES SHALL NOT BE PLACED MORE THAN 4'-0" O.C.

## PREFABRICATED WOOD TRUSSES

1. MATERIALS
  - A. LUMBER MINIMUM MATERIAL PROPERTIES SOUTHERN YELLOW PINE #2.
  - B. METAL CONNECTOR PLATES- GALVANIZED SHEET STEEL ASTM A446-76 (1981) GRADE A, COATING CLASS 60 PER ASTM A525-81. MANUFACTURED WITH HOLES, PLUGS, TEETH, OR PRONGS UNIFORMLY SPACED AND FORMED.
2. DESIGN
  - A. LOADING
    - TOP CHORD LIVE LOAD 25PSF
    - TOP CHORD DEAD LOAD 10 PSF
    - BOTTOM CHORD LIVE LOAD 5PSF
    - BOTTOM CHORD DEAD LOAD 5 PSF
    - NET WIND UPLIFT 8PSF
  - B. DESIGN OF MEMBERS AND CONNECTION IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE MANUFACTURER.
  - C. SHOP DRAWINGS SHALL EXHIBIT THE SEAL OF THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN.
  - D. MAXIMUM LIVE LOAD DEFLECTION IS L/360.
  - E. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
3. MISCELLANEOUS
  - A. NAIL TOP CHORDS OF ALL MULTIPLE MEMBER TRUSSES TOGETHER WITH 16D NAILS AT 4'-0" O.C. NAIL WEB MEMBERS TOGETHER WITH 16D NAILS AT 2'-0" O.C. AT CONCENTRATED LOADS.
  - B. IN AREAS WHERE TOP CHORD OF TRUSSES DO NOT RECEIVE PLYWOOD SHEATHING, PROVIDE 1X4 CONTINUOUS BRIDGING PERPENDICULAR TO TOP CHORDS AND SPACED AT 3'-0" O.C.



## ROOF PLAN

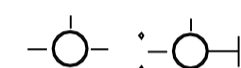







scale : 1/8" = 1'-0"

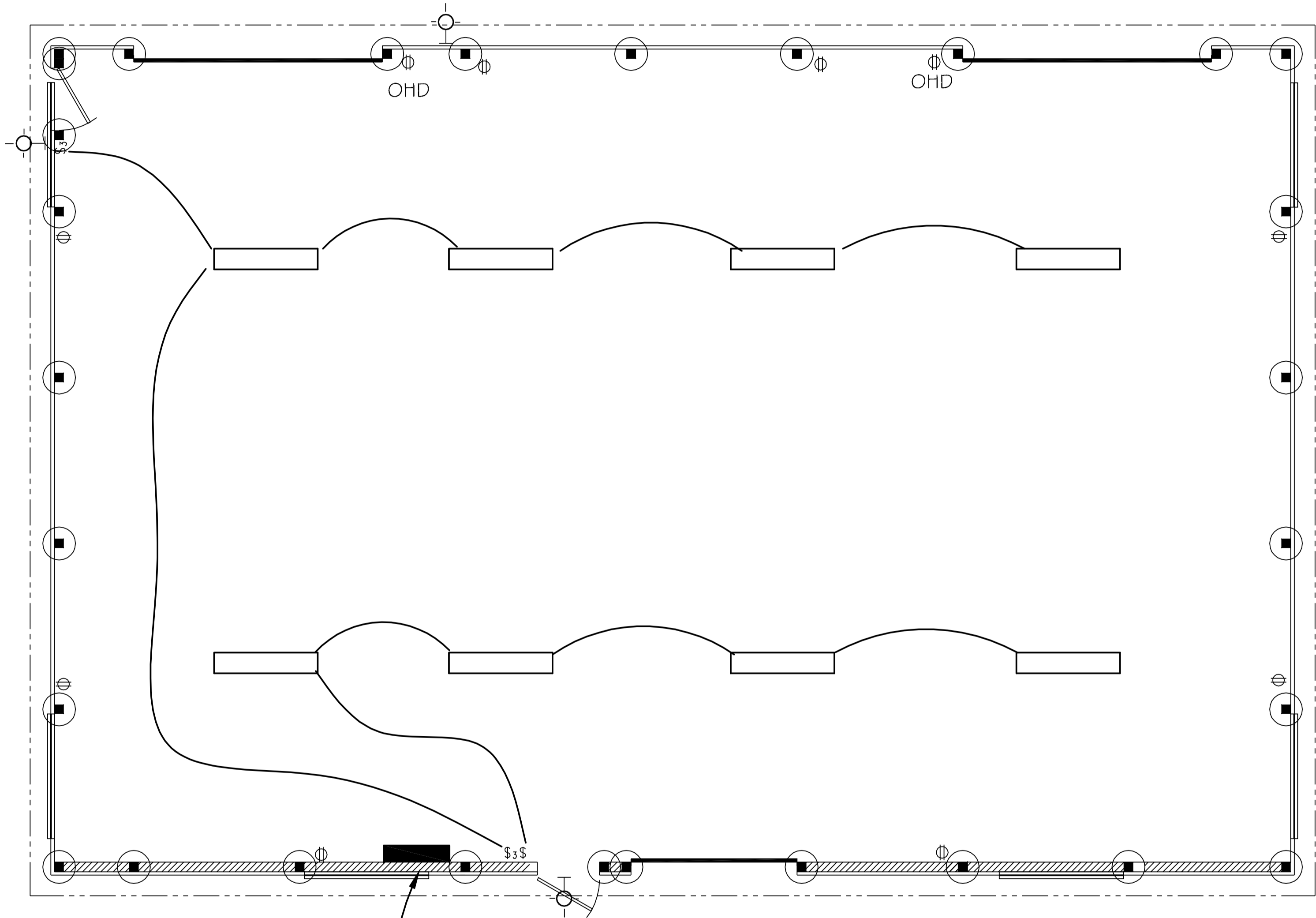


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*William J. Pizzino*  
 5-21-2021

	OWNER: ELIAS TU 7605 BEL AIRE AVE DUBLIN, OHIO 43017	SCALE: AS NOTED	THIS SHEET: ROOF PLAN
	DESIGNED BY: PIZZINO ENGINEERING & CONSULTING, LLC. WILLIAM J. PIZZINO, P.E. 9495 SR 161 PLAIN CITY, OHIO 43064 (614) 325-2462	DATE: 5-21-2021	DRAWN BY: WJP
		REVISED:	PAGE NUMBER 5 OF 7 <b>A.4</b>

-  CEILING OR WALL MOUNTED LIGHTING FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)
-  SMOKE DETECTOR
-  SINGLE POLE SWITCH
-  SPECIAL SWITCH: 3-WAY
-  DUPLEX RECEPTACLE
-  DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER
-  220 RECEPTACLE
-  CARBON MONOXIDE DETECTOR



100 AMP SUB  
 PANEL WITH 100  
 AMP DISCONNECT  
 IN PANEL. FED FROM  
 HOUSE 100 FT  
 AWAY, WITH 100  
 AMP DISCONNECT  
 AT HOUSE.


### ELECTRIC PLAN

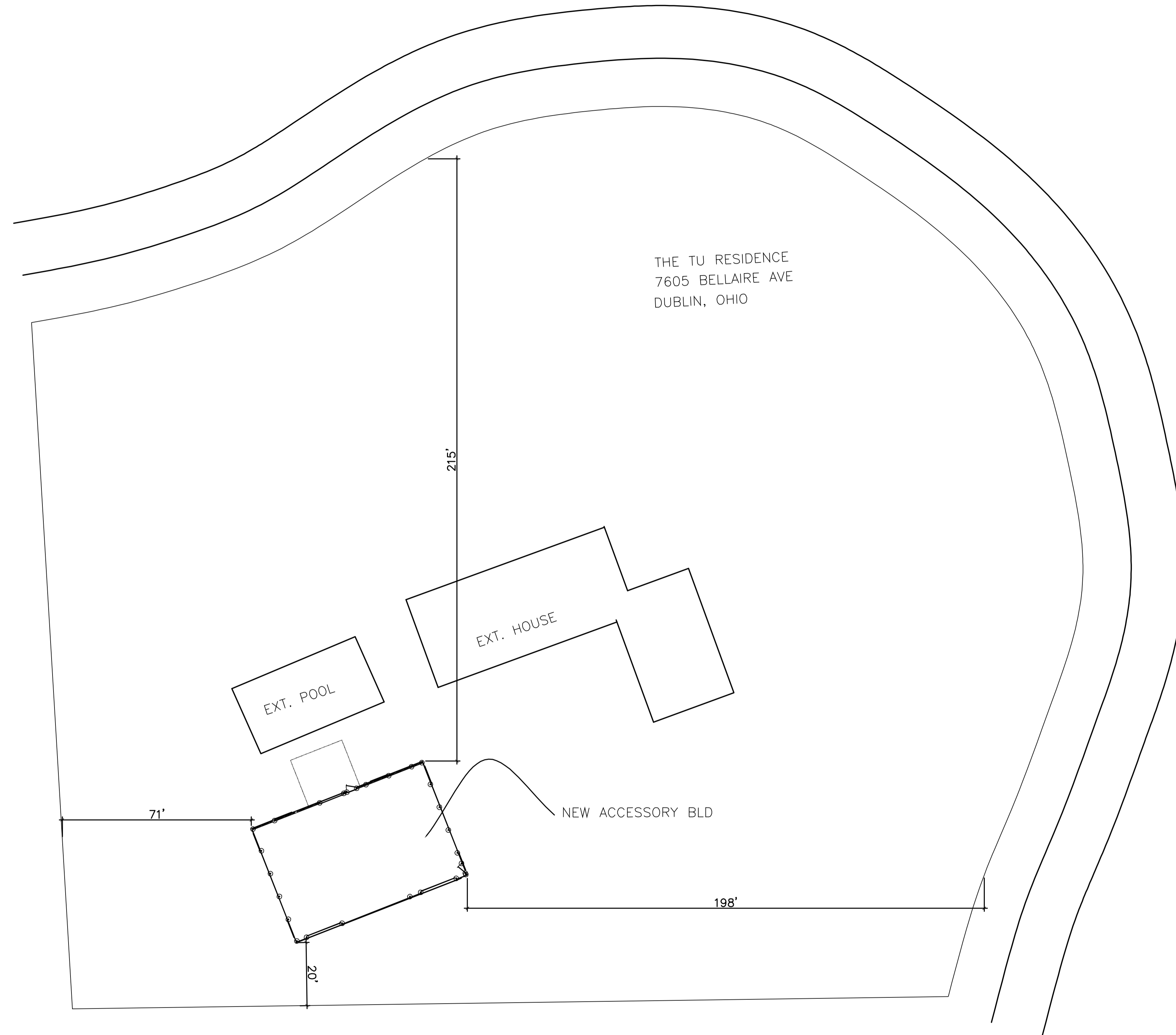
scale : 1/8" = 1'-0"



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	DESIGNED BY: PIZZINO ENGINEERING & CONSULTING, LLC. WILLIAM J. PIZZINO, P.E. 9495 SR 161 PLAIN CITY, OHIO 43064 (614) 325-2462	DATE: 5-21-2021	DRAWN BY: WJP
		REVISED:	PAGE NUMBER 6 OF 7 <b>E.1</b>



THE TU RESIDENCE  
7605 BELLAIRE AVE  
DUBLIN, OHIO

EXT. POOL

EXT. HOUSE

NEW ACCESSORY BLD

71'

215'

198'

20'



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	DESIGNED BY: PIZZINO ENGINEERING & CONSULTING, LLC. WILLIAM J. PIZZINO, P.E. 9495 SR 161 PLAIN CITY, OHIO 43064 (614) 325-2462	REVISED: . . . . . PAGE NUMBER: 7 OF 7	<b>S.1</b>