

1603 - Design Loads in Accord with IBC 2009 Building Code  
 Roof Dead Load 20 psf  
 Live Load 20 psf  
 Floor Dead Load 20 psf  
 Live Load 40 psf  
 Snow Load Information  
 Ground Snow Load,  $P_g = 20$  psf  
 Flat Roof Snow Load,  $P_f = 16$  psf  
 Snow Exposure Factor,  $C_e = 1.0$   
 Snow Load Importance Factor,  $I_s = 1.0$   
 Thermal Factor,  $C_t = 1.1$   
 Wind Load Information  
 Basic Wind Speed = 90 mph  
 Wind Importance Factor,  $I_w = 1.0$   
 Wind Exposure C  
 Internal Pressure Coefficient = +0.18, -0.18  
 Component and cladding wind pressures in accord with IBC 2009.  
 Seismic Load Information  
 Seismic Importance Factor,  $I_e = 1.0$   
 Mapped Spectral response Accelerations,  $S_s = 0.243$  and  $S_1 = 0.097$ .  
 Site Class D  
 Spectral Response Coefficients,  $SDS = 0.253$  and  $SD1 = 0.154$ .  
 Response Modification Factor,  $R = 6.5$ .  
 Seismic Design Category C.  
 Basic Seismic-force-resisting System - Light Framed Walls with Wood Structural Panels.  
 Design Base Shear = 13 kips.  
 Seismic Response Coefficient,  $C_s = 0.042$ .  
 Response Modification Factor,  $R = 6.5$ .  
 Analysis Procedure - Equivalent Lateral Force Design Procedure.  
 1604 - Occupancy Category II.  
 1806 - Add foundation note after soil bearing capacity - Lateral Bearing Pressure = 100 psf. (assumed)

**GENERAL NOTES**

**STRUCTURAL STEEL**

1. All structural steel rolled shapes shall be A992, minimum yield strength 50 ksi. Plates and angles shall be A572. Steel pipe shall be A511 or A53, Types E or S; grade B. Structural tubing shall be ASTM A500, grade B.

2. All steel work shall be in accordance with the AISC Specification for Structural Steel Buildings and the Code of Standard Practice. All welding shall be in accordance with AWS D1.1:94, the Structural Welding Code. Welding electrodes shall be E70XX Series.

3. Connections not shown shall be designed by the fabricator for the capacity of the member as shown in the AISC Manual. All field connections shall utilize 3/4 in. dia. A325 bolts in bearing type connections with threads included in the shear plane. Shop connections may be welded or bolted using 3/4 in. A325 bolts.

**FRAMING LUMBER**

1. Load Bearing 2x studs shall be Premium Grade White Wood or equal with the following design values:  $F_b = 1850$  psi,  $F_c = 1850$  psi,  $E = 1,700,000$  psi

**GENERAL NOTES:**

ELECTRICAL POWER & LIGHTING DESIGN TO BE DETERMINED BY ELECTRICAL CONTRACTOR

HEATING & COOLING SYSTEM TO BE DETERMINED BY HVAC CONTRACTOR

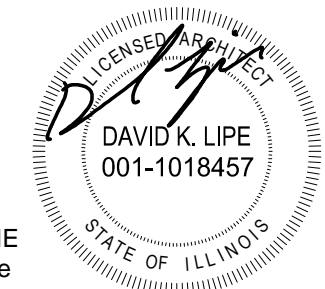
CONSULT WITH OWNER FOR FINAL MATERIAL, FINISH, CASEWORK & EQUIPMENT SELECTIONS

**INDEX OF SHEETS**

- A1 FLOOR PLAN
- A2 BASEMENT PLAN
- A3 SITE & ROOF PLANS
- A4 EXTERIOR ELEVATIONS
- A5 EXTERIOR ELEVATION & BUILDING SECTIONS

**FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"  
 1 A1

APPLICABLE CODES:  
 INTERNATIONAL BUILDING CODE - 2009  
 NATIONAL ELECTRIC CODE - CURRENT EDITION  
 ILLINOIS PLUMBING CODE - CURRENT EDITION  
 INTERNATIONAL MECHANICAL CODE - CURRENT EDITION  
 NFPA LIFE SAFETY 101

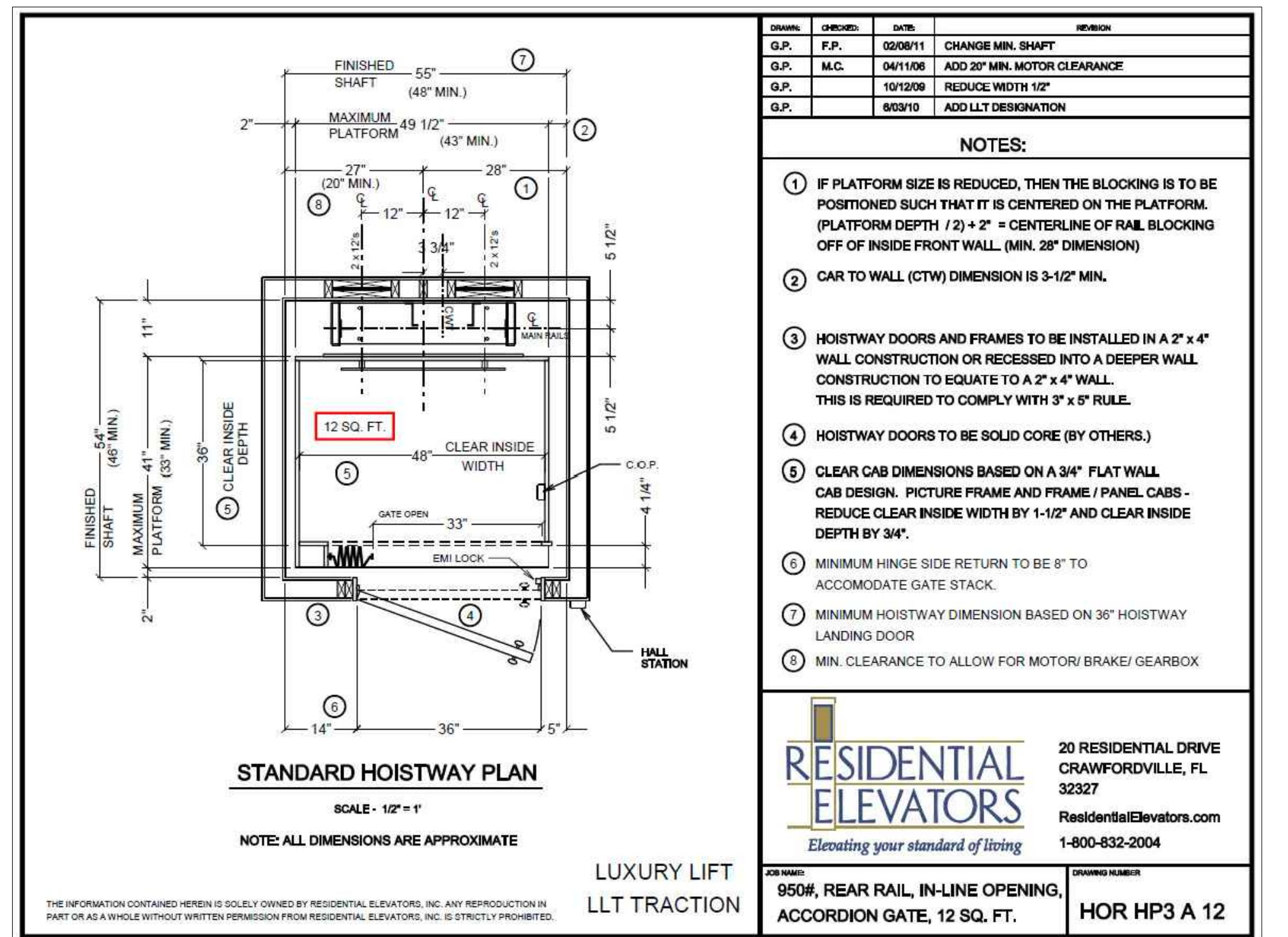
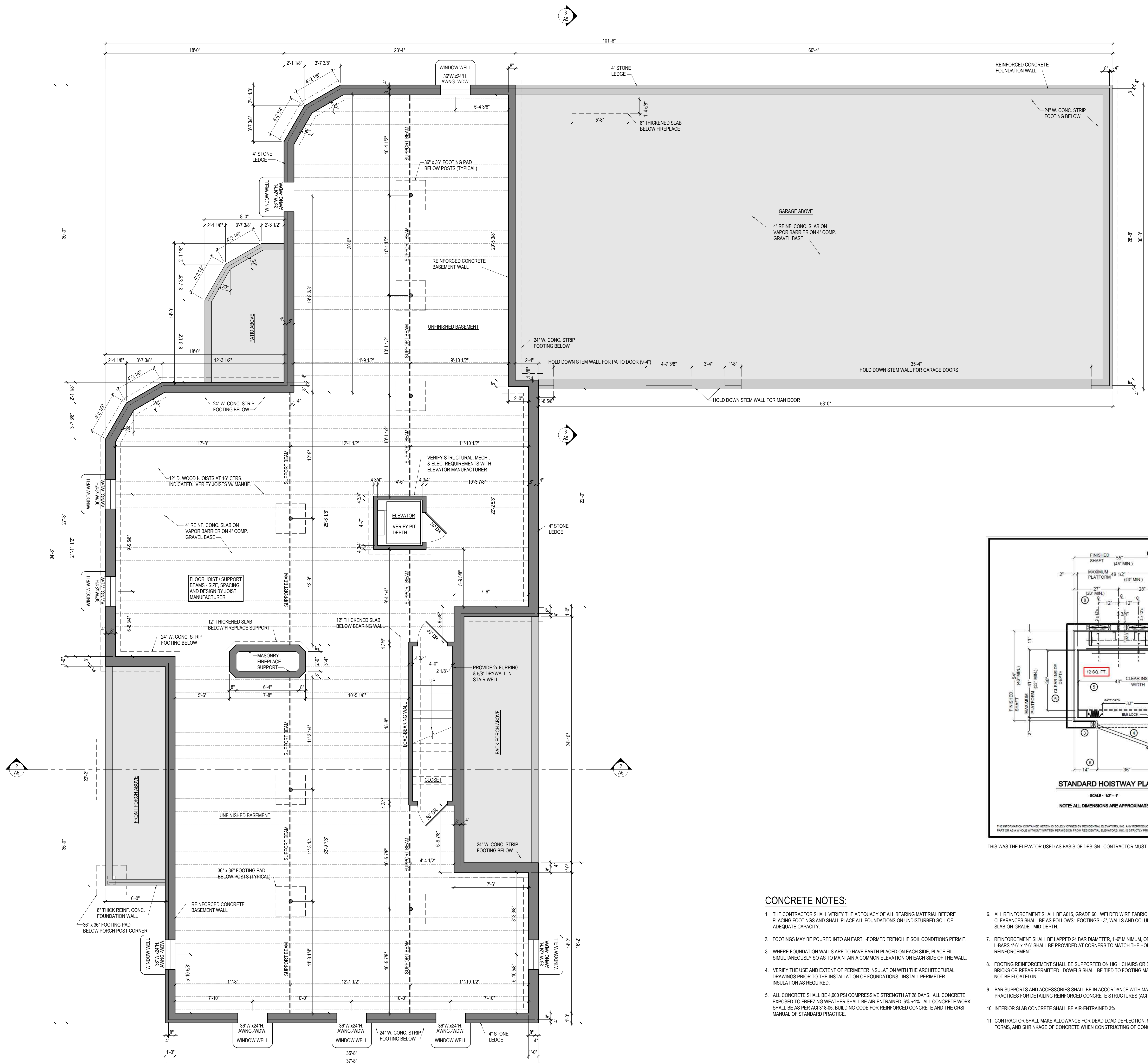


**LIPE ARCHITECTURE**  
 623 School Street  
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 Phone: 217-563-7838  
 www.lipe-architecture.com

<b>FLOOR PLAN</b>	PROJ. NO.: 1429 DATE: 03-05-15
<b>Rob &amp; Deb Swinger - New House</b> Corner of 2300 North Rd. & 1000 East Rd., Edinburg, IL 62531	<b>A1</b>

NOTE: CONTRACTOR SHALL OBTAIN AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND BE FULLY RESPONSIBLE FOR SAME.

Illinois law requires anyone digging, regardless of the depth of the project, to call JULIE at 1-800-892-0123. This notice must be at least 48 hours prior to the start of excavation and the project must begin within 14 calendar days from the call.



NO.	DATE	DESCRIPTION
G.P.	F.P.	6/20/11 CHANGE MIN. SHAFT
G.P.	M.C.	9/4/108 ADD 2\"/>

- NOTES:**
- IF PLATFORM SIZE IS REDUCED, THEN THE BLOCKING IS TO BE POSITIONED SUCH THAT IT IS CENTERED ON THIS PLATFORM. (PLATFORM DEPTH / 2) + 2\"/>
  - CAR TO WALL (CTW) DIMENSION IS 3-1/2\"/>
  - HOISTWAY DOORS AND FRAMES TO BE INSTALLED IN A 2\"/>
  - HOISTWAY DOORS TO BE SOLID CORE (BY OTHERS.)
  - CLEAR CAB DIMENSIONS BASED ON A 3/4\"/>
  - MINIMUM HINGE SIDE RETURN TO BE 6\"/>
  - MINIMUM HOISTWAY DIMENSION BASED ON 36\"/>
  - MIN. CLEARANCE TO ALLOW FOR MOTOR/ BRAKE/ GEARBOX

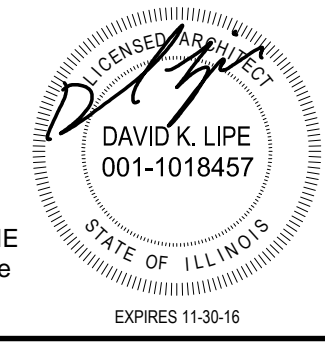
**CONCRETE NOTES:**

- THE CONTRACTOR SHALL VERIFY THE ADEQUACY OF ALL BEARING MATERIAL BEFORE PLACING FOOTINGS AND SHALL PLACE ALL FOUNDATIONS ON UNDISTURBED SOIL OF ADEQUATE CAPACITY.
- FOOTINGS MAY BE POURED INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.
- WHERE FOUNDATION WALLS ARE TO HAVE EARTH PLACED ON EACH SIDE, PLACE FILL SIMULTANEOUSLY SO AS TO MAINTAIN A COMMON ELEVATION ON EACH SIDE OF THE WALL.
- VERIFY THE USE AND EXTENT OF PERIMETER INSULATION WITH THE ARCHITECTURAL DRAWINGS PRIOR TO THE INSTALLATION OF FOUNDATIONS. INSTALL PERIMETER INSULATION AS REQUIRED.
- ALL CONCRETE SHALL BE 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. ALL CONCRETE EXPOSED TO FREEZING WEATHER SHALL BE AIR-ENTRAINED 6% ± 1%. ALL CONCRETE WORK SHALL BE AS PER ACI 318-05, BUILDING CODE FOR REINFORCED CONCRETE AND THE CRSI MANUAL OF STANDARD PRACTICE.
- ALL REINFORCEMENT SHALL BE A615, GRADE 60. WELDED WIRE FABRIC SHALL BE A185, BAR CLEARANCES SHALL BE AS FOLLOWS: FOOTINGS - 3\"/>
- REINFORCEMENT SHALL BE LAPPED 24 BAR DIAMETER, 1\"/>
- FOOTING REINFORCEMENT SHALL BE SUPPORTED ON HIGH CHAIRS OR SAND PLATES. NO BRICKS OR REBAR PERMITTED. DOWELS SHALL BE TIED TO FOOTING MAT. DOWELS SHALL NOT BE FLOATED IN.
- BAR SUPPORTS AND ACCESSORIES SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICES FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315-92).
- INTERIOR SLAB CONCRETE SHALL BE AIR-ENTRAINED 3%.
- CONTRACTOR SHALL MAKE ALLOWANCE FOR DEAD LOAD DEFLECTION, SETTLEMENT OF FORMS, AND SHRINKAGE OF CONCRETE WHEN CONSTRUCTING OF CONCRETE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY OF ALL FORMS, SHORING, BRACING, ETC. USED IN CONSTRUCTION OF CONCRETE WORK.
- INTERIOR CONCRETE SLAB LEVELNESS SHALL BE 1/8\"/>
- ALL FOOTINGS EXCAVATIONS SHALL BE FREE OF DEBRIS, STANDING WATER AND LOOSE SOIL PRIOR TO PLACEMENT OF CONCRETE.
- FOOTING CONCRETE SHALL NOT BE PLACED ON FROZEN SOIL.
- EXCAVATIONS THAT BECOME MUDDY AND SOFT DUE TO CONSTRUCTION ACTIVITY SHALL HAVE A LEAN CONCRETE MUD SLAB OR GRAVEL PLACED IN THE EXCAVATION TO PROVIDE ACCEPTABLE BEARING. MUD SLAB OR GRAVEL SHALL BE INSPECTED AND APPROVED BY A SOILS ENGINEER.
- CONTINUOUS WALL FOOTING REINFORCING SHALL BE PLACED CONTINUOUS THROUGH ISOLATED PIER FOOTINGS.

**1 BASEMENT PLAN**  
SCALE: 1/4\"/>



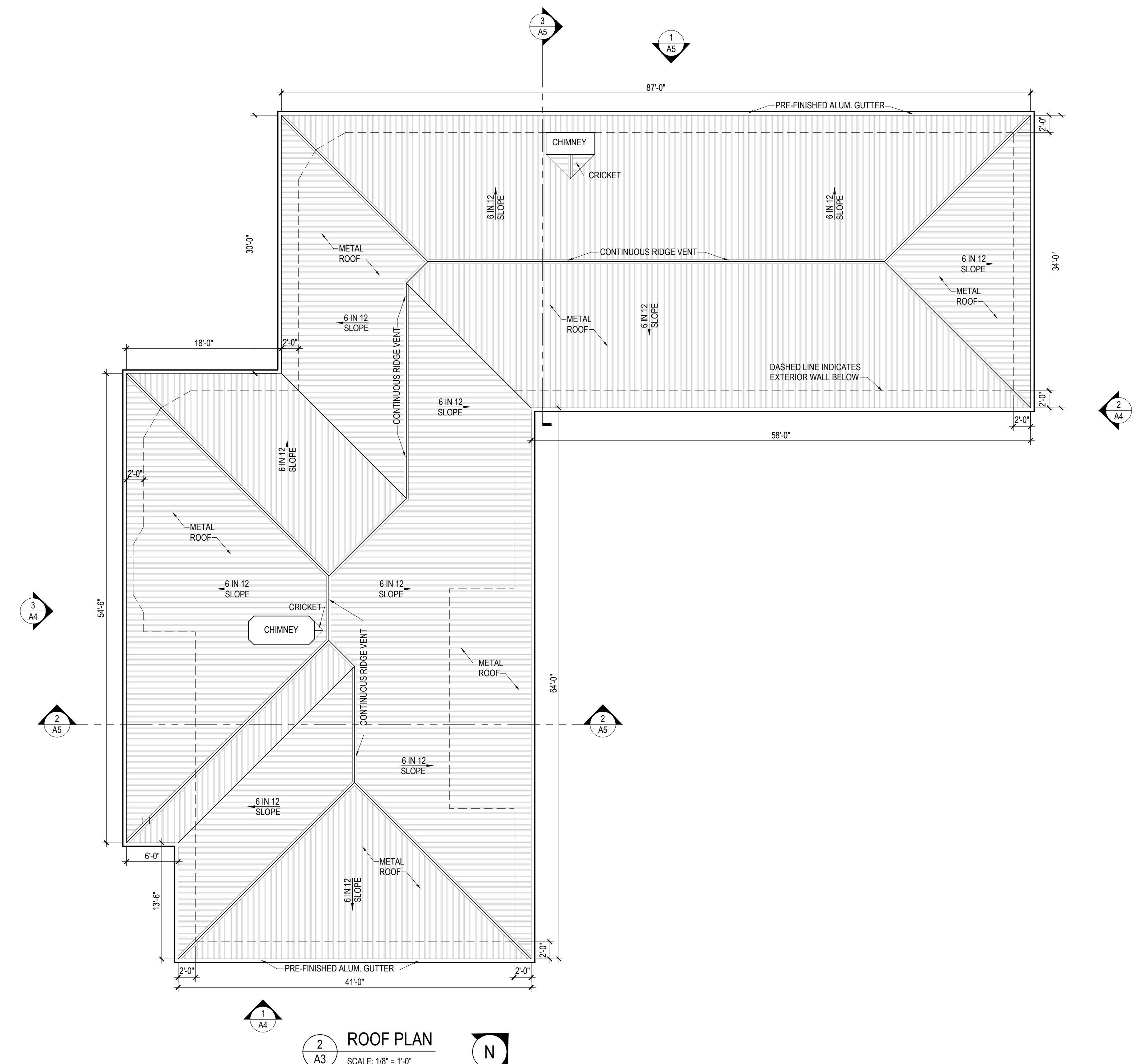
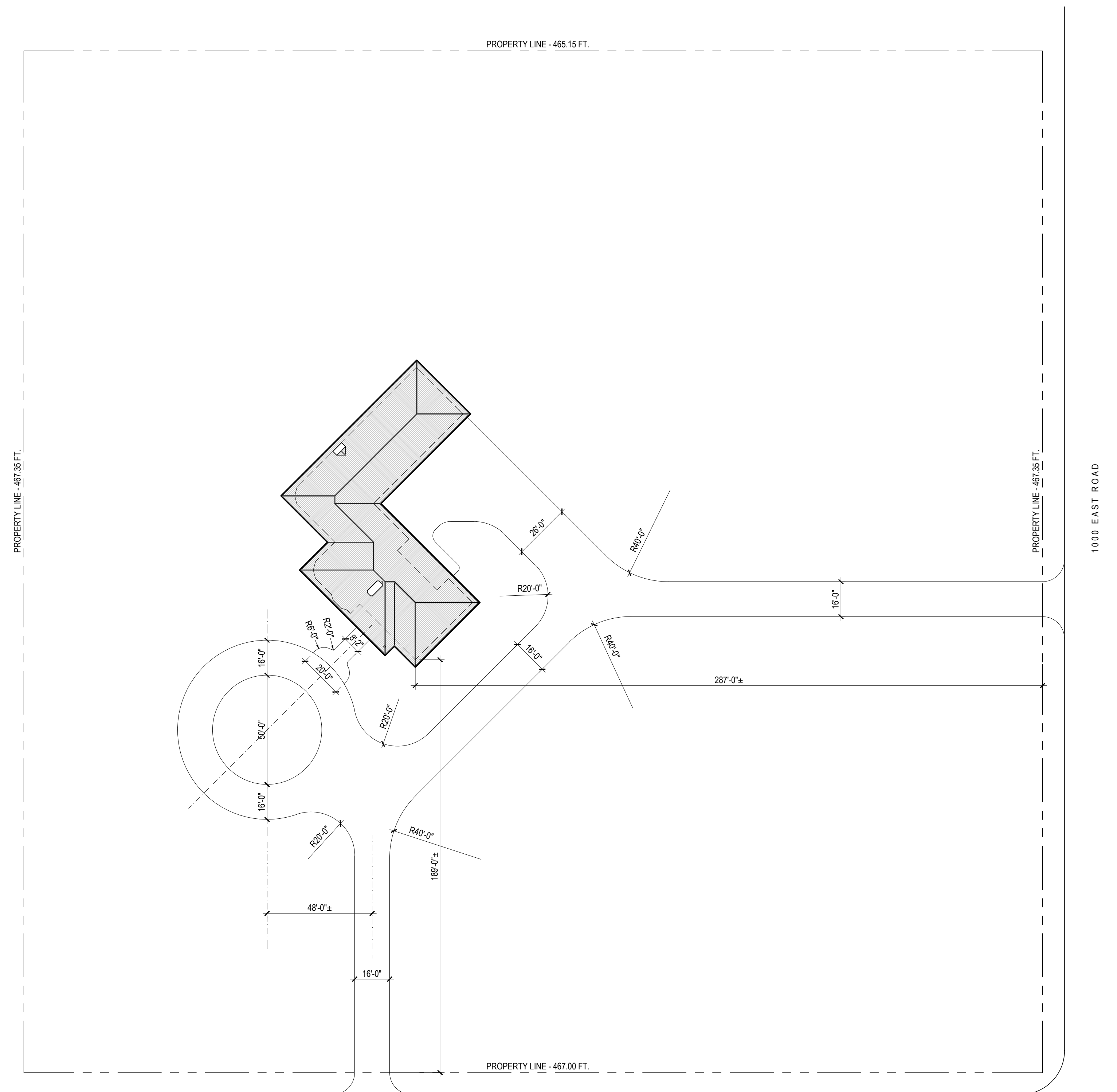
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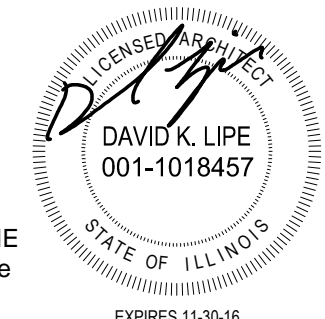
**LIPE ARCHITECTURE**  
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**BASEMENT PLAN**  
**Rob & Deb Swinger - New House**  
Corner of 2300 North Rd. & 1000 East Rd., Edinburg, IL 62531

PROJ. NO.: 1429  
DATE: 03-05-15  
**A2**

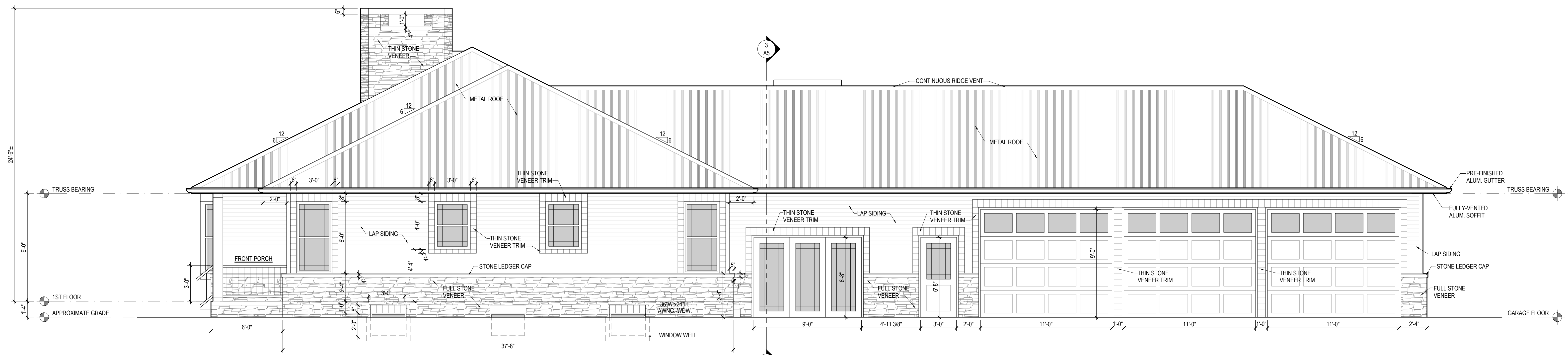


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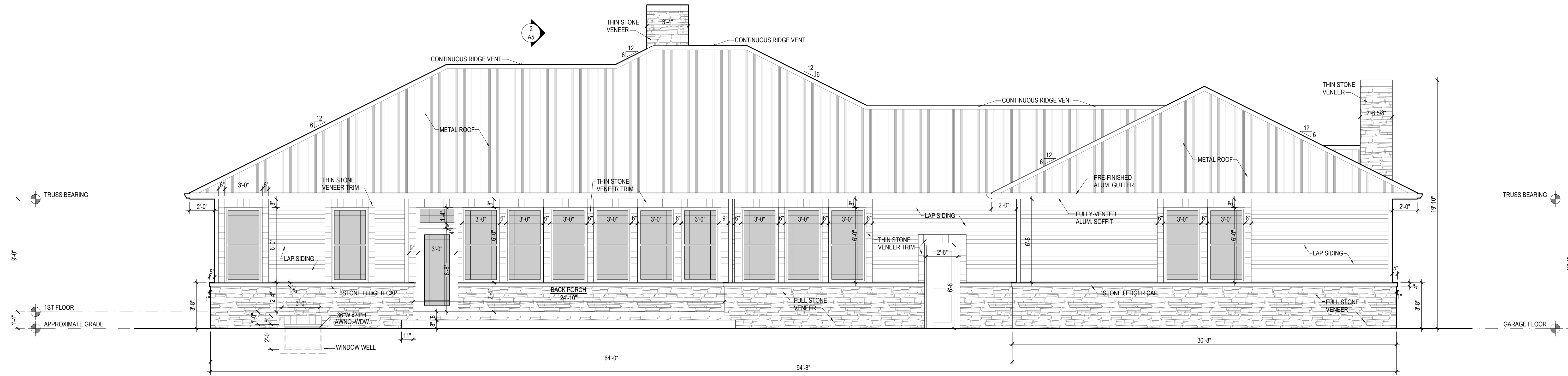


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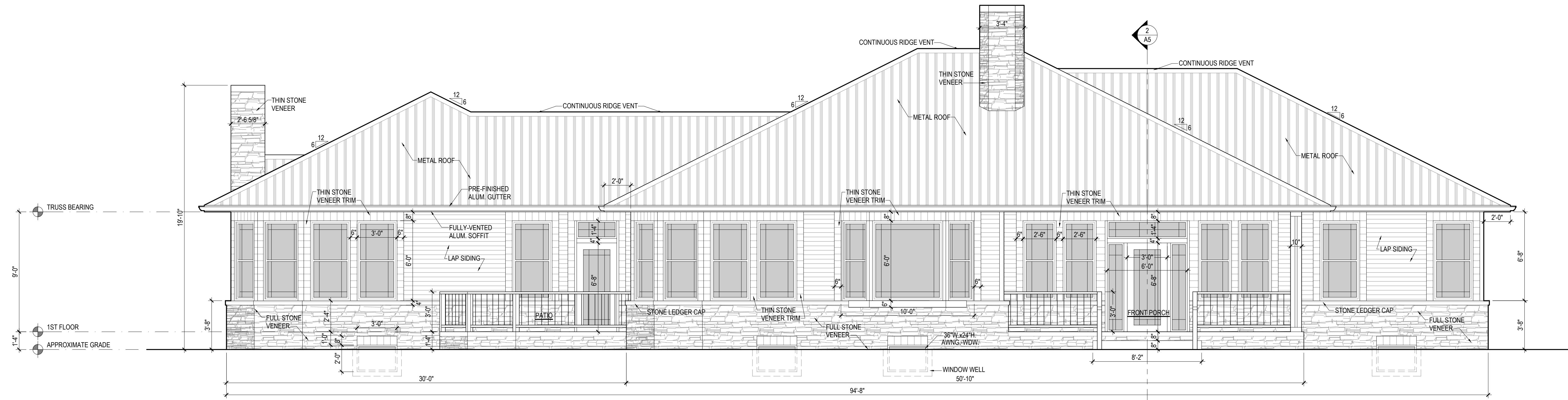
SITE & ROOF PLANS		PROJ. NO.: 1429
Rob & Deb Swinger - New House		DATE: 03-05-15
Corner of 2300 North Rd. & 1000 East Rd., Edinburg, IL 62531		<b>A3</b>



1 SOUTH-EAST ELEVATION  
SCALE: 1/4" = 1'-0"



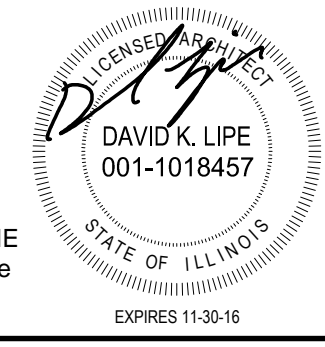
2 NORTH-EAST ELEVATION  
SCALE: 1/4" = 1'-0"



3 SOUTH-WEST ELEVATION  
SCALE: 1/4" = 1'-0"

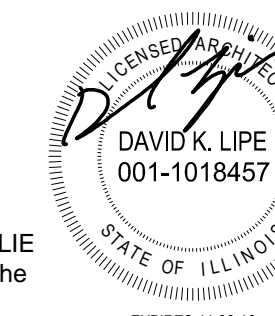
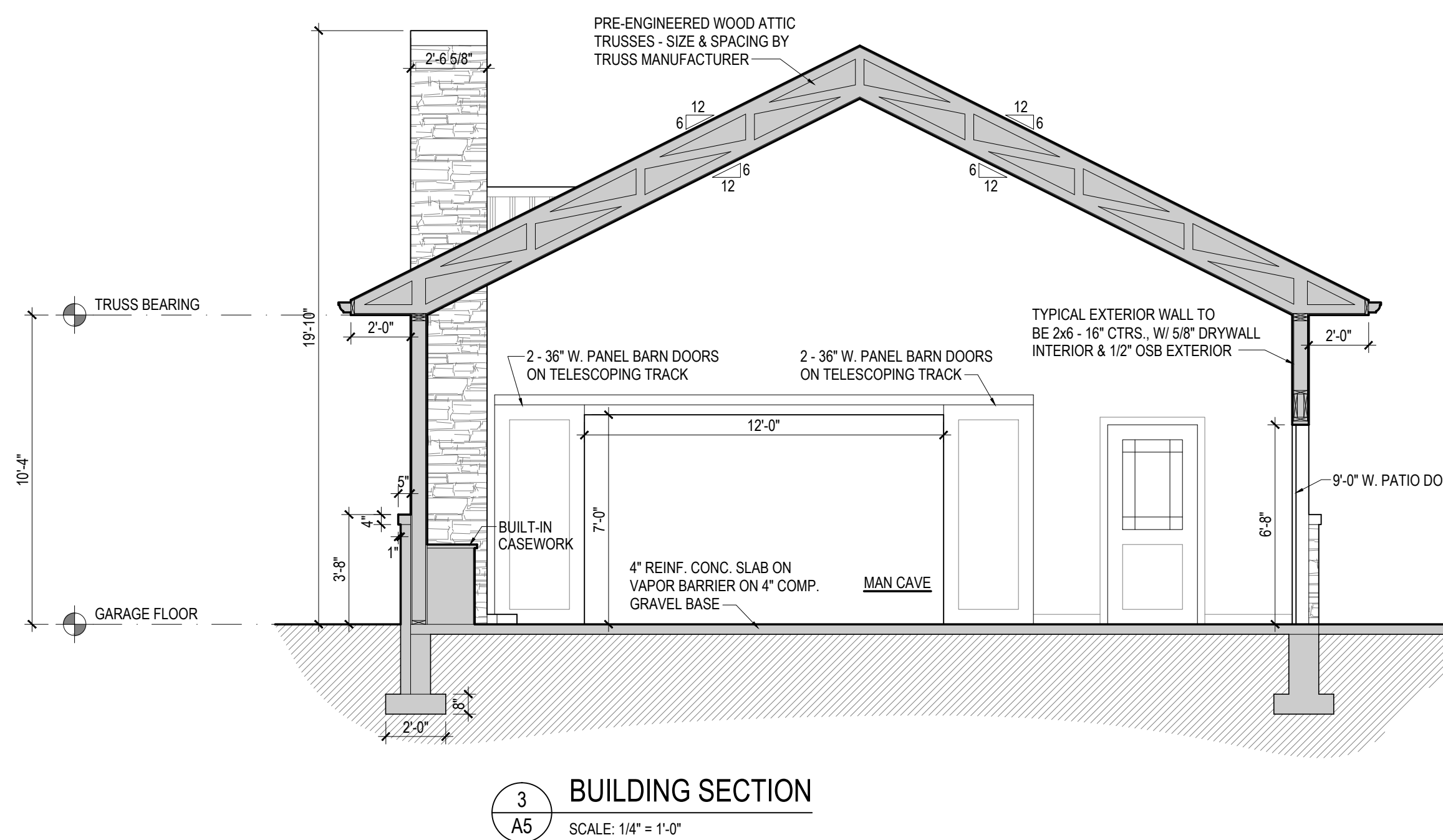
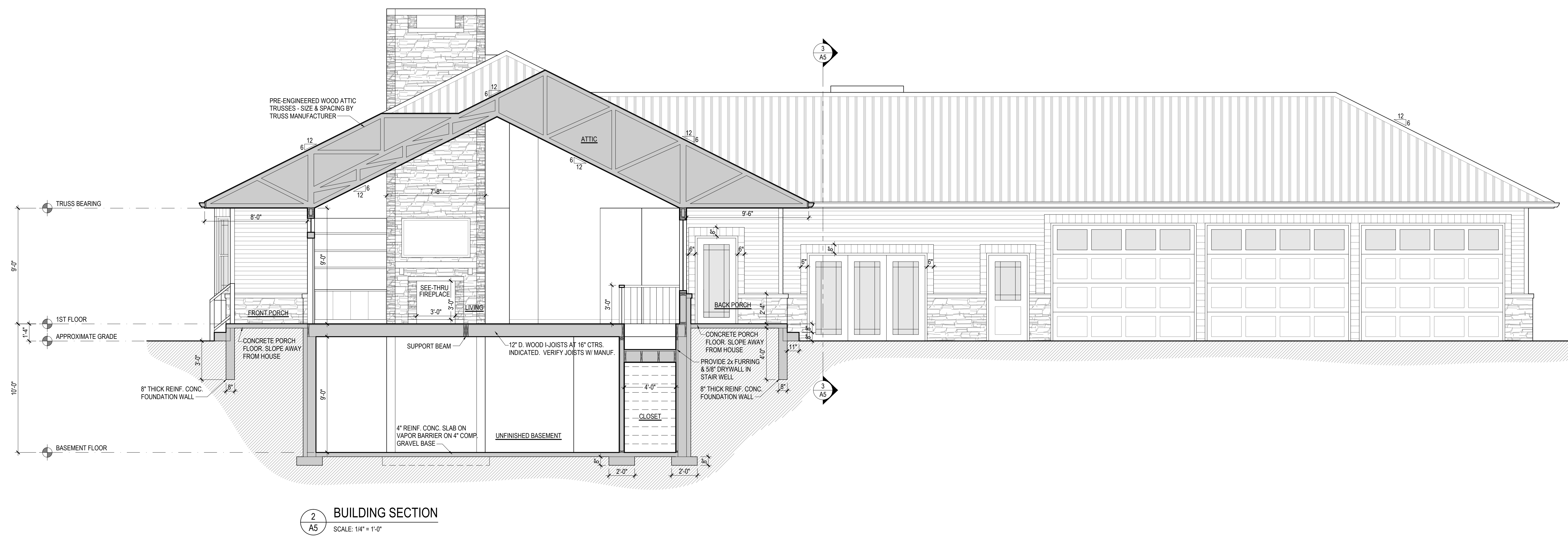
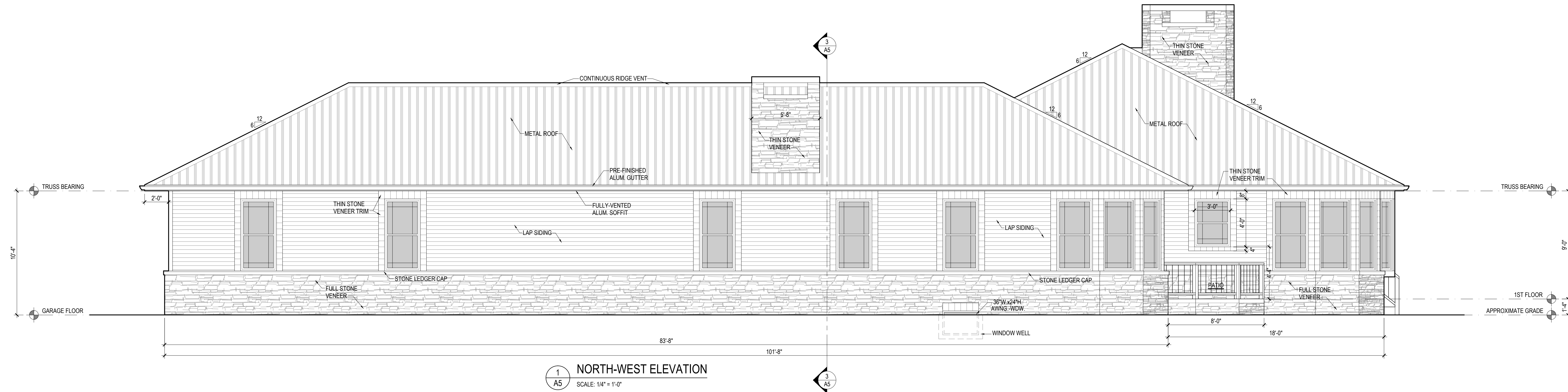
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EXTERIOR ELEVATIONS	PROJ. NO.: 1429
	DATE: 03-05-15
Rob & Deb Swinger - New House	A4
Corner of 2300 North Rd. & 1000 East Rd., Edinburg, IL 62531	



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EXTERIOR ELEVATION & BUILDING SECTIONS

**Rob & Deb Swinger - New House**  
Corner of 2300 North Rd. & 1000 East Rd., Edinburg, IL 62531

PROJ. NO.: 1429  
DATE: 03-05-15

**A5**

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EPRES 11-30-16