

1 FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

GENERAL NOTES

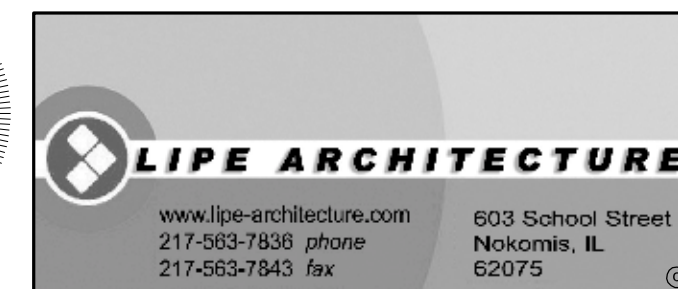
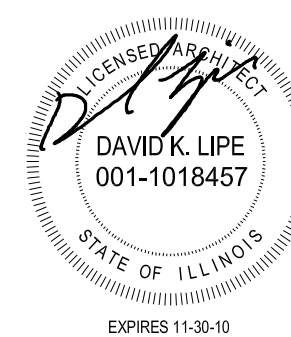
FOUNDATIONS

1. The contractor shall verify the adequacy of all bearing material before placing footings and shall place all foundations on undisturbed soil of adequate capacity.

CONCRETE

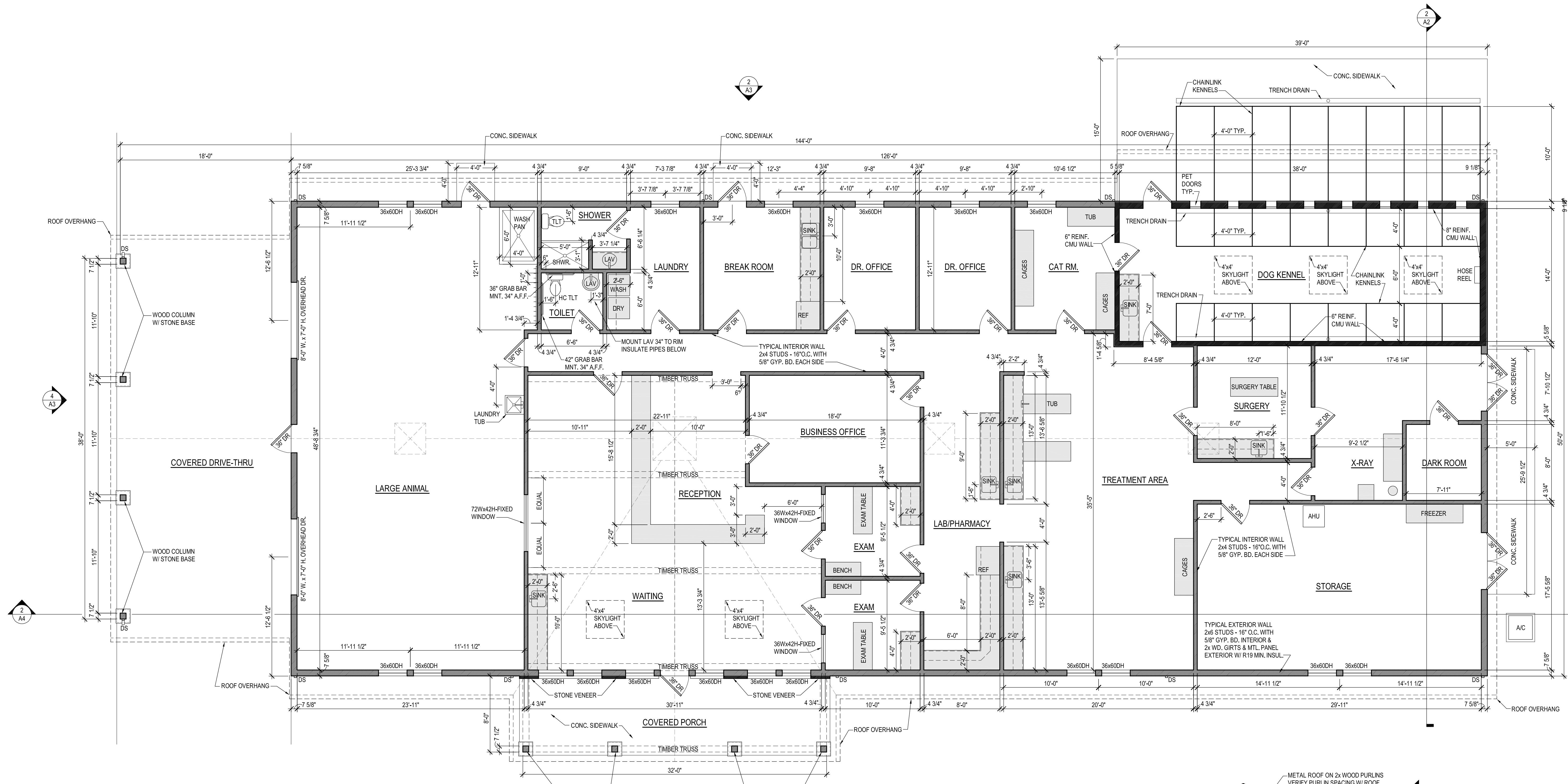
- All concrete shall be 4000 psi compressive strength at 28 days. All concrete exposed to freezing weather shall be air-entrained, 6% ± 1%. All concrete work shall be as per ACI 318-05, Building Code for Reinforced Concrete and the CRSI Manual of Standard Practice.
- All reinforcement shall be A615, grade 60. Welded wire fabric shall be A185. Bar clearances shall be as follows:
Footings - 3"
Walls and Columns - 1 1/2"
Slab-on-grade - Mid-depth
Reinforcement shall be lapped 24 bar diameter, 1'-6" minimum, or as detailed. L-bars 1'-6" x 1'-6" shall be provided at corners to match the horizontal reinforcement.
- Holes through walls shall be reinforced with four #4 diagonal bars in each face extending past the corner of the opening 1'-6".
- Footing reinforcement shall be supported on high chairs or sand plates. No bricks or rebar permitted. Dowels shall be tied to the footing mat. Dowels shall not be floated in.

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/two working days prior to the start of excavation and the project must begin within 14 calendar days from the call.

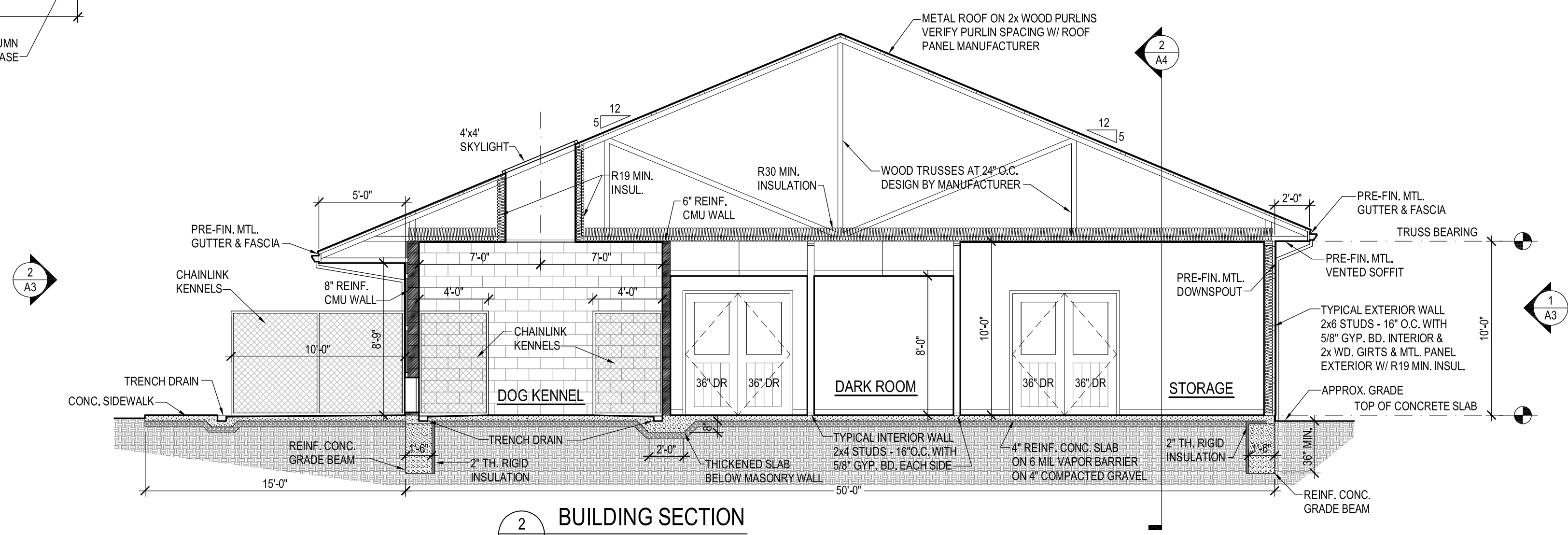


NOTE: CONTRACTOR SHALL OBTAIN AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND BE FULLY RESPONSIBLE FOR SAME.

FOUNDATION PLAN	PROJ. NO.: 1005
	DATE: 04-19-10
New Veterinarian Clinic Building Taylorville, Illinois 62568	
A1	



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



2 BUILDING SECTION
SCALE: 3/16" = 1'-0"

GENERAL NOTES

STRUCTURAL STEEL

- All structural steel rolled shapes shall be A992, minimum yield strength 50 ksi. Plates and angles shall be A36. Steel pipe shall be A501 or A53, Types E or S, grade B. Structural luting shall be ASTM A500, grade B.
- 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.
- 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.

PREFABRICATED TIMBER ROOF AND FLOOR TRUSSES

- The web arrangement of the trusses is optional with truss supplier. The slope and heel dimension of the trusses shall conform to the elevations shown on the architectural drawings.
- The design of all roof and floor trusses and their connections shall be provided by the truss supplier. The supplier shall submit design calculations sealed by a structural engineer registered in Illinois showing truss loading, spacing, deflections, member sizes, connectors, hangers, species and grade of lumber, etc. A layout drawing identifying each type of truss, spacing supplemental framing and erection details, etc. shall also be submitted.
- The design loads for trusses are as follows:
Roof: Top Chord - 10 psf DL, Bottom Chord 10 psf DL, Top Chord 30 psf LL and Drifting
Floor: DL - 15 psf, LL 40 psf
- The contractor shall supply and install temporary erection bracing in accordance with Publications HB-91 and DSB-89, Bracing Wood Trusses of the Truss Plate Institute and as shown on the drawings and bracing at end walls shall also be per DSB-89.
- Where the truss shop drawings show additional design lateral bracing to be applied to web members, the trusses shall have a colored tag stapled to the truss member to be braced. The bracing shall consist of an upright 2x4 nailed to each member with two 16d nails and carried to the end wall or end detail.
- All trusses shall be connected to the double wall plates and trusses with wind resistant H2.5 Simpson Anchors with 10 - 8d nails per location.

FRAMING LUMBER

- Load Bearing 2x6 studs shall be #1 SYP or equal with the following design values:
F_v = 1850 psi, F_c = 1850 psi, E = 1,700,000 psi

DESIGN LOADS

- The building is designed in accordance with the 2006 International Building Code.
- Design loads are as follows:
Roof: DL - 20 psf, LL 30 psf, (plus drifting snow loads)
Wind: 90 mph velocity, Exposure C, I = 1.0, Per 2006 IBC
Seismic: S_s = .25, S₁ = .12, Seismic Use Group I, I_e = 1.0, Site Class D, S_{ds} = 0.267, S_{d1} = 0.185, Seismic Design Category C, Lateral Force Resisting System: Plywood Shear Walls

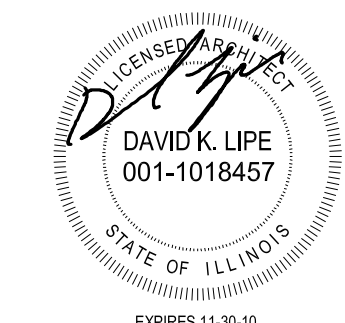
GENERAL NOTES:

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, CABINET & EQUIPMENT SELECTIONS

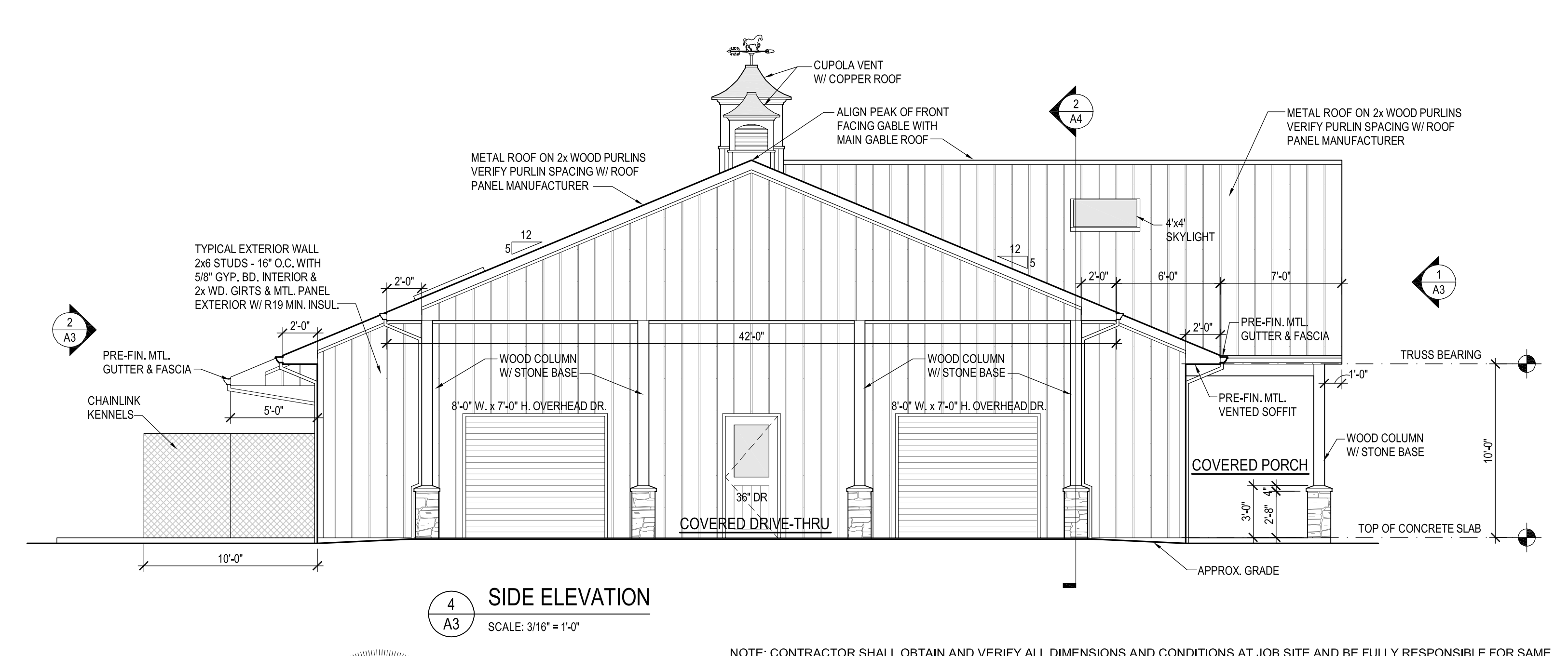
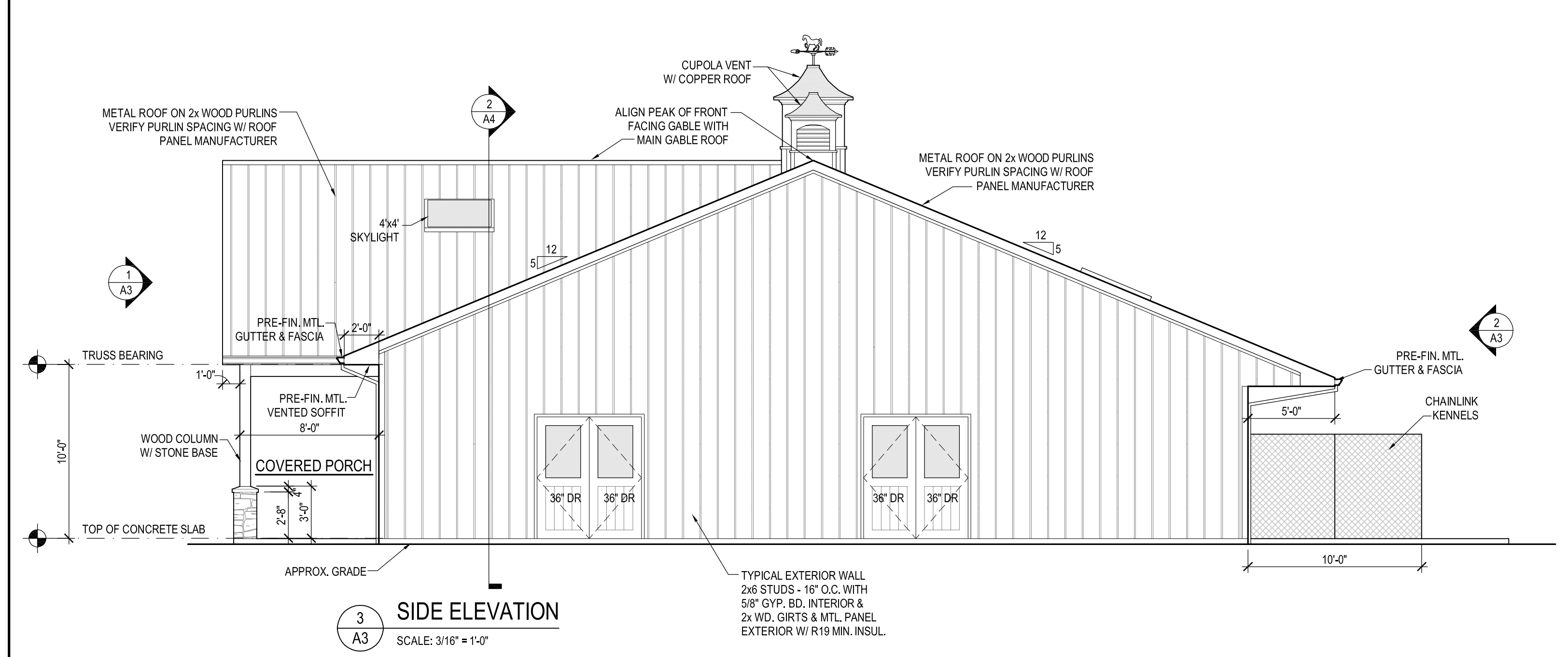
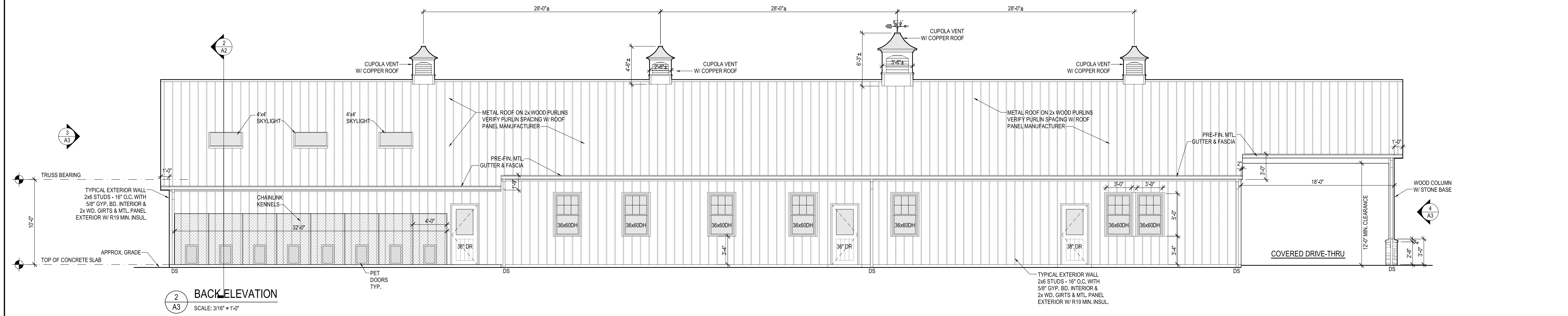
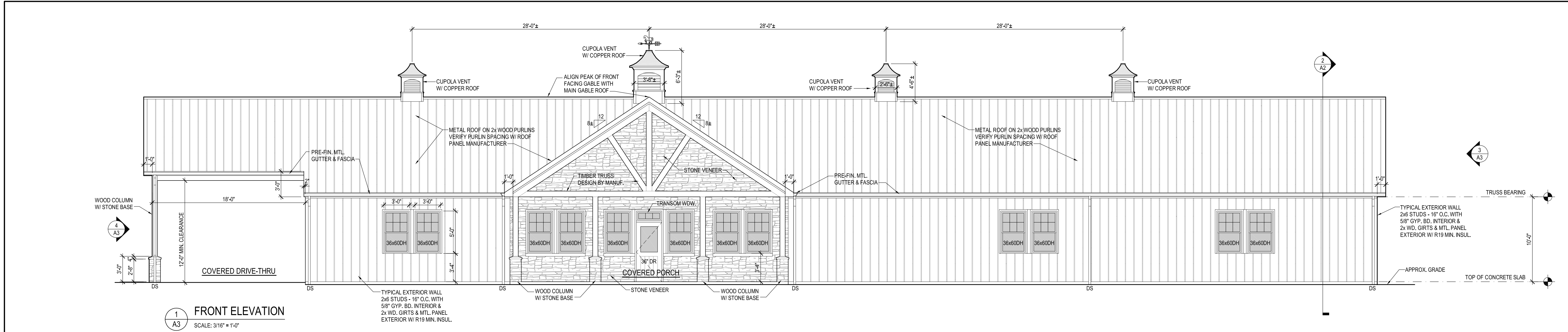
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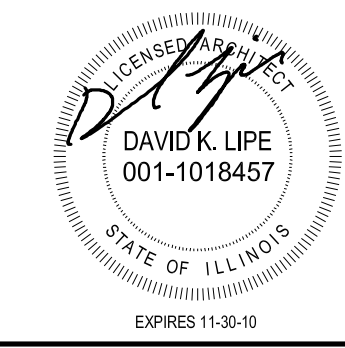
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FLOOR PLAN & BUILDING SECTION	PROJ. NO.: 1005
	DATE: 04-19-10
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New Veterinarian Clinic Building
Taylorville, Illinois 62568

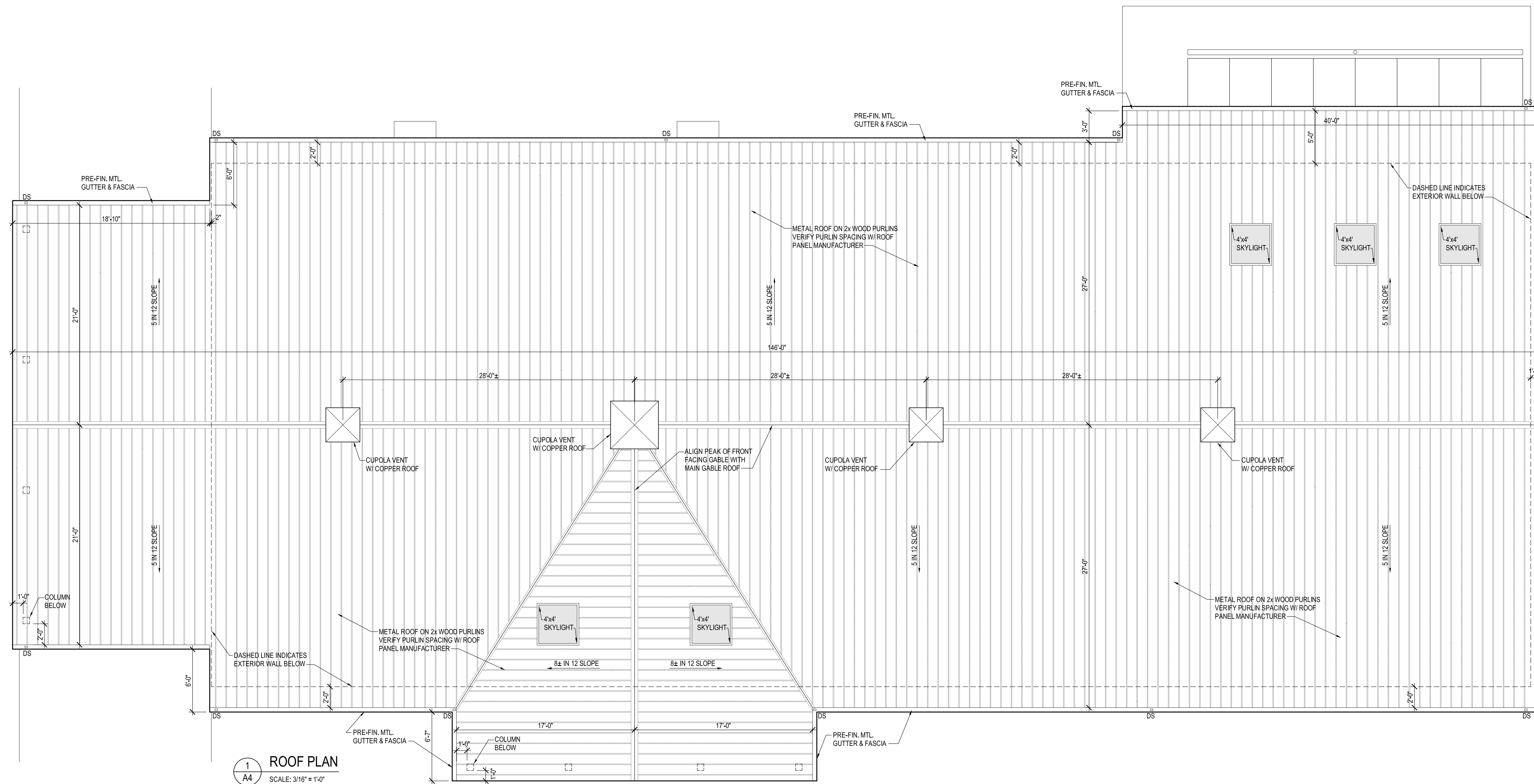


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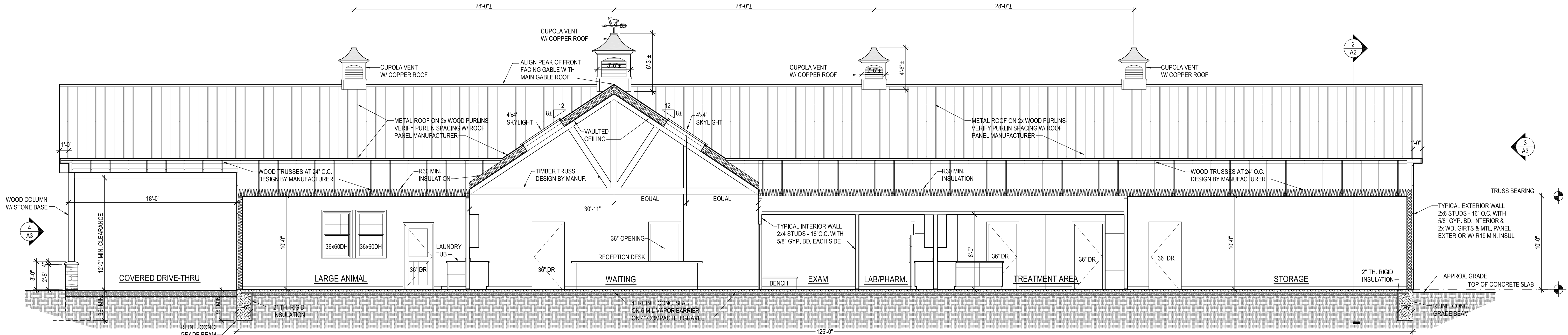


LIPE ARCHITECTURE
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EXTERIOR ELEVATIONS	PROJ. NO.: 1005
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A3	



1 ROOF PLAN
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2 BUILDING SECTION
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