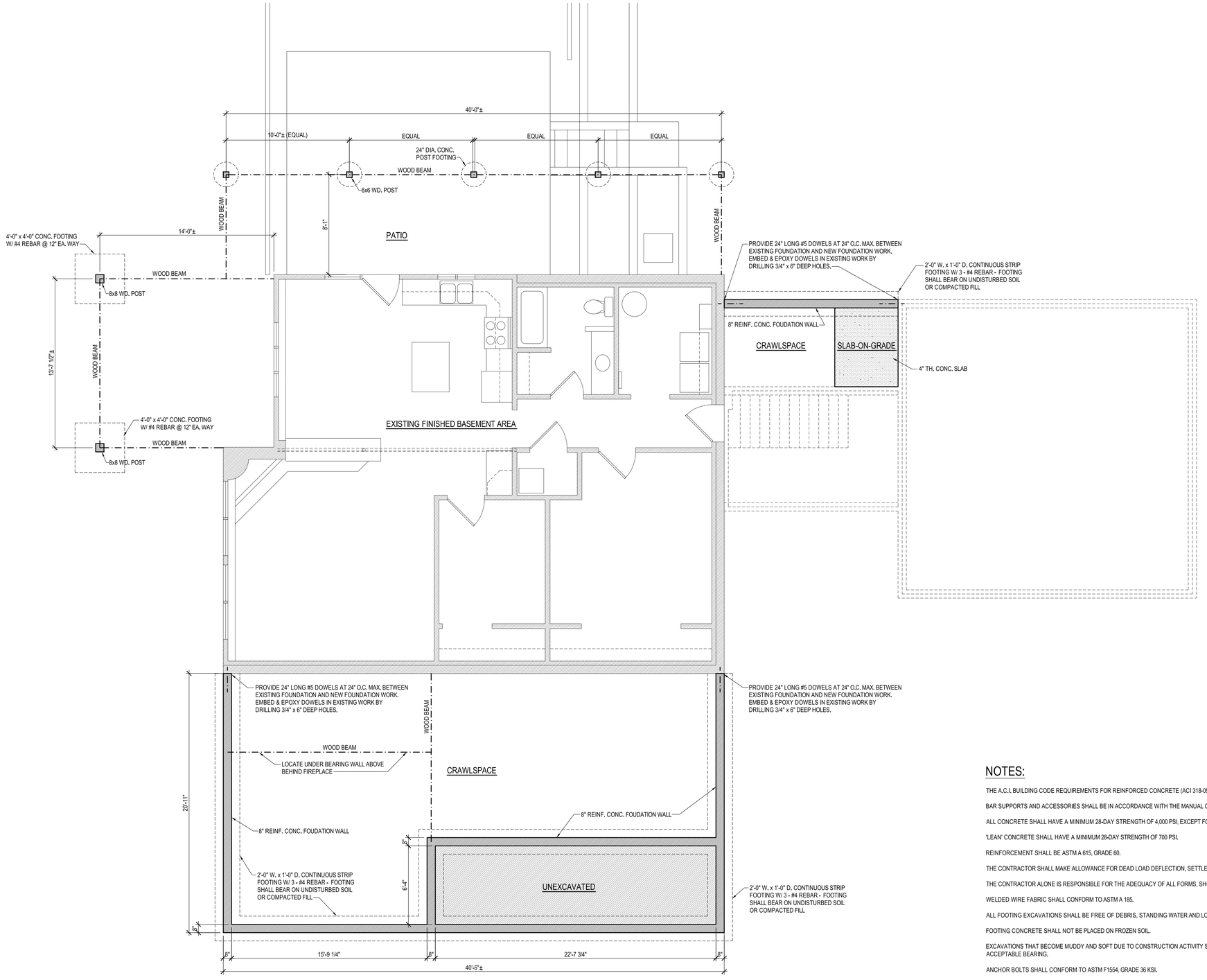


1 / A1 BASEMENT / FOUNDATION PLAN

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

N

NOTES:

THE A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) SHALL DETERMINE ALL REINFORCED CONCRETE DETAIL WORK NOT SHOWN OR SPECIFIED.

BAR SUPPORTS AND ACCESSORIES SHALL BE IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICES FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315-2).

ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 4,000 PSI, EXCEPT FOR 'LEAN' CONCRETE.

'LEAN' CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 700 PSI.

REINFORCEMENT SHALL BE ASTM A 615, GRADE 60.

THE CONTRACTOR SHALL MAKE ALLOWANCE FOR DEAD LOAD DEFLECTION, SETTLEMENT OF FORMS, AND SHRINKAGE OF CONCRETE WHEN CONSTRUCTING OF CONCRETE WORK.

THE CONTRACTOR ALONE IS RESPONSIBLE FOR THE ADEQUACY OF ALL FORMS, SHORING, BRACING, ETC. USED IN CONSTRUCTION OF CONCRETE WORK.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.

ALL FOOTING 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.

ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36 KSI.

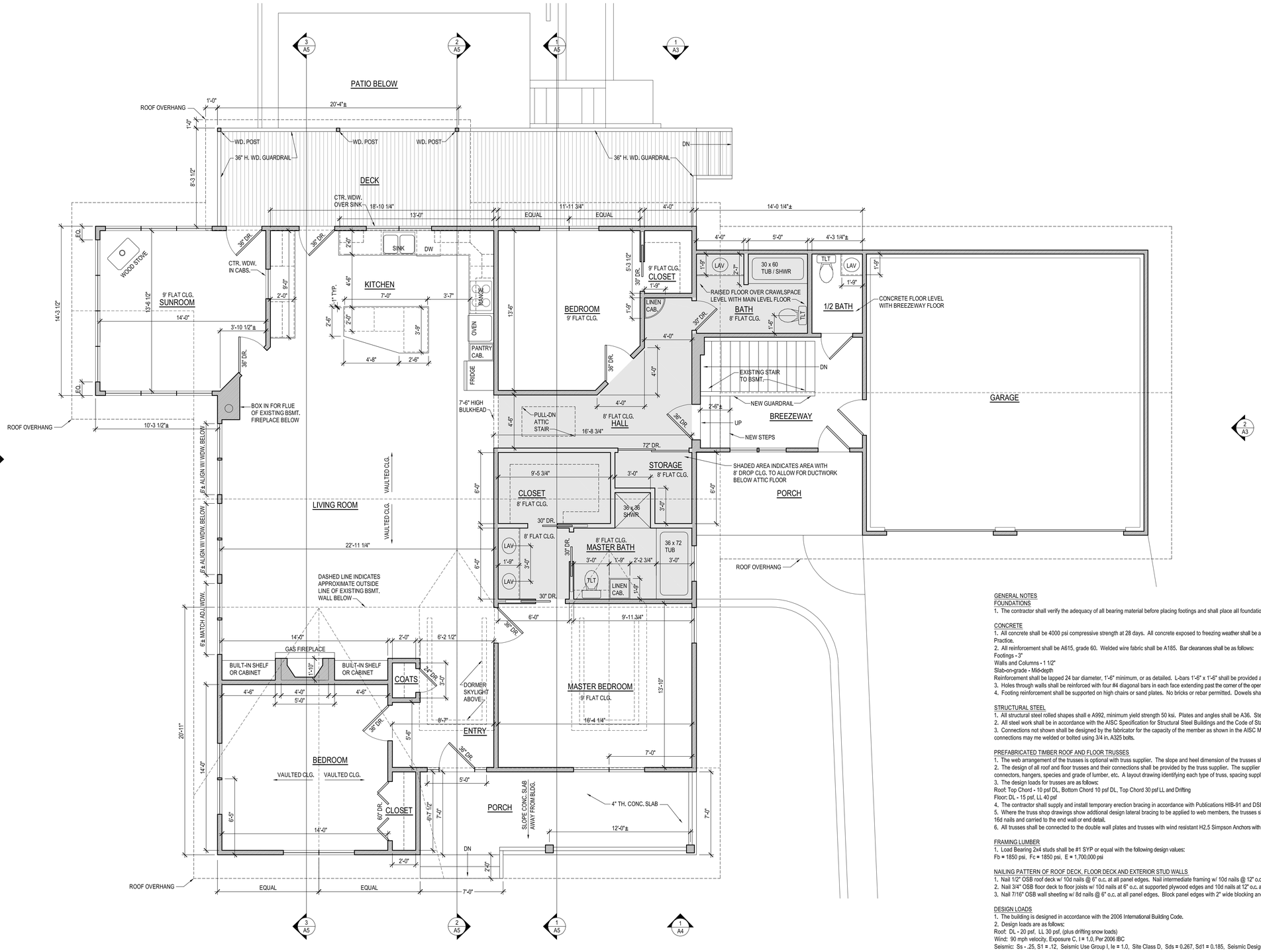
ALL DIMENSIONS AFFECTED BY NEW CONSTRUCTION TO BE VERIFIED BY CONTRACTOR BEFORE COMMENCING CONSTRUCTION.

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

LICENSED ILLINOIS ARCHITECT
DAVID K. LIPE
001-1018457
STATE OF ILLINOIS
EXPIRES 11-30-08

LIPE ARCHITECTURE
www.lipe-architecture.com
217-563-7836 phone
217-563-7843 fax
603 School Street
Nokomis, IL
62075

BASEMENT / FOUNDATION PLAN	PROJ. NO.: 0815
	DATE: 08-29-08
Cress House - Addition & Remodel N. 11th Ave., Fillmore, Illinois	A1



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

1. 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.
2. 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.
3. Holes through walls shall be reinforced with four #4 diagonal bars in each face extending past the corner of the opening 1'-6".
4. 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.

STRUCTURAL STEEL

1. All structural steel rolled shapes shall e 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 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 conections shall utillize 3/4 in. dia. A325 bolts in bearing type connections with threads included in the shear plane. Shop connections may me welded or bolted using 3/4 in. A325 bolts.

PREFABRICATED TIMBER ROOF AND FLOOR TRUSSES

1. 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.
2. 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.
3. 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
4. The contractor shall supply and install temporary erection bracing in accordance with Publications HIB-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.
5. 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.
6. 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

1. Load Bearing 2x4 studs shall be #1 SYP or equal with the following design values:
Fb = 1850 psi, Fc = 1850 psi, E = 1,700,000 psi

NAILING PATTERN OF ROOF DECK, FLOOR DECK AND EXTERIOR STUD WALLS

1. Nail 1/2" OSB roof deck w/ 10d nails @ 6" o.c. at all panel edges. Nail intermediate framing w/ 10d nails @ 12" o.c. Use plywood clips on panel edges.
2. Nail 3/4" OSB floor deck to floor joists w/ 10d nails at 6" o.c. at supported plywood edges and 10d nails at 12" o.c. at intermediate framing.
3. Nail 7/16" OSB wall sheeting w/ 8d nails @ 6" o.c. at all panel edges. Block panel edges with 2" wide blocking and nail to studs. Nail at intermediate studs with 8d nails @ 12" o.c.

DESIGN LOADS

1. The building is designed in accordance with the 2006 International Building Code.
2. 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: Ss - .25, S1 = .12, Seismic Use Group I, Ie = 1.0, Site Class D, Sds = 0.267, Sd1 = 0.185, Seismic Design Category C, Lateral Force Resisting System: Plywood Shear Walls

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LICENSED ARCHITECT
DAVID K. LIPE
001-1018457
STATE OF ILLINOIS
EXPIRES 11-30-08

LIPE ARCHITECTURE
www.lipe-architecture.com
217-563-7836 phone
217-563-7843 fax
603 School Street
Nokomis, IL
62075

FLOOR PLAN	PROJ. NO.: 0815
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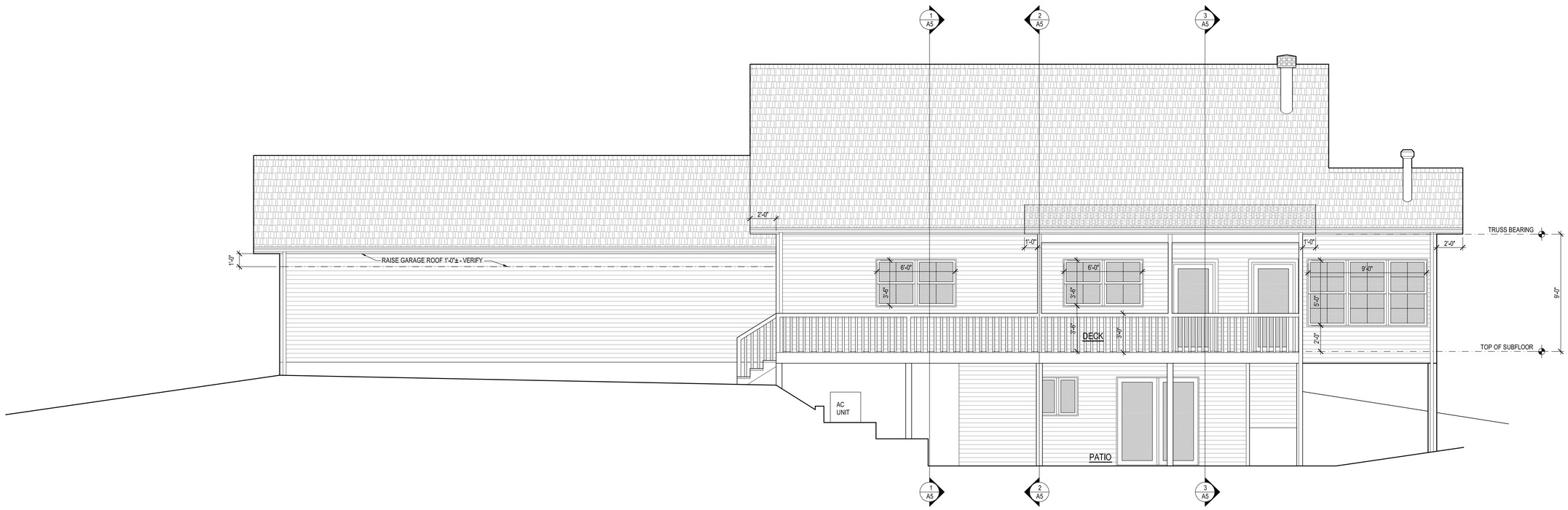
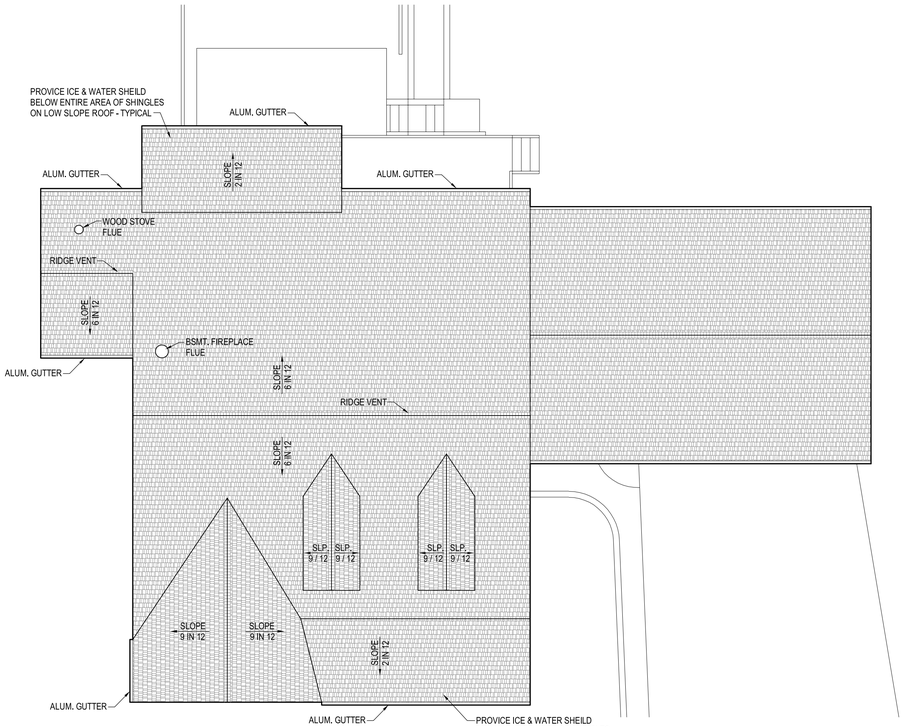
Cress House - Addition & Remodel N. 11th Ave., Fillmore, Illinois	A2



1 A3 **WEST ELEVATION**

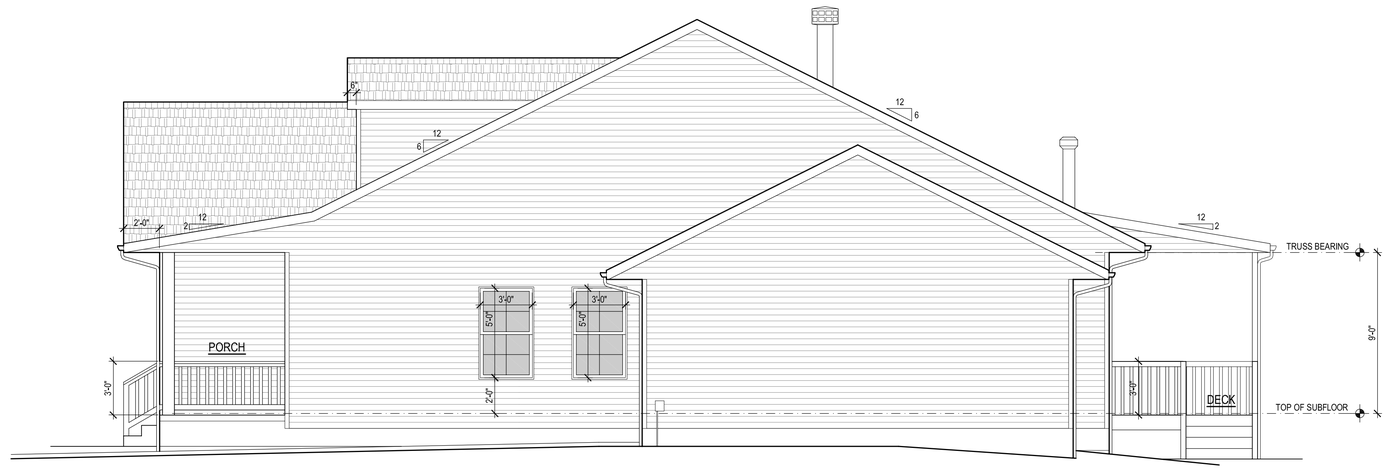
SCALE: 1/4" = 1'-0"



3 A3 **ROOF PLAN**

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

N



2 A3 **NORTH ELEVATION**

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

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EXPIRES 11-30-08

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217-563-7843 fax
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ROOF PLAN & BUILDING ELEVATIONS	PROJ. NO.: 0815
	DATE: 08-29-08
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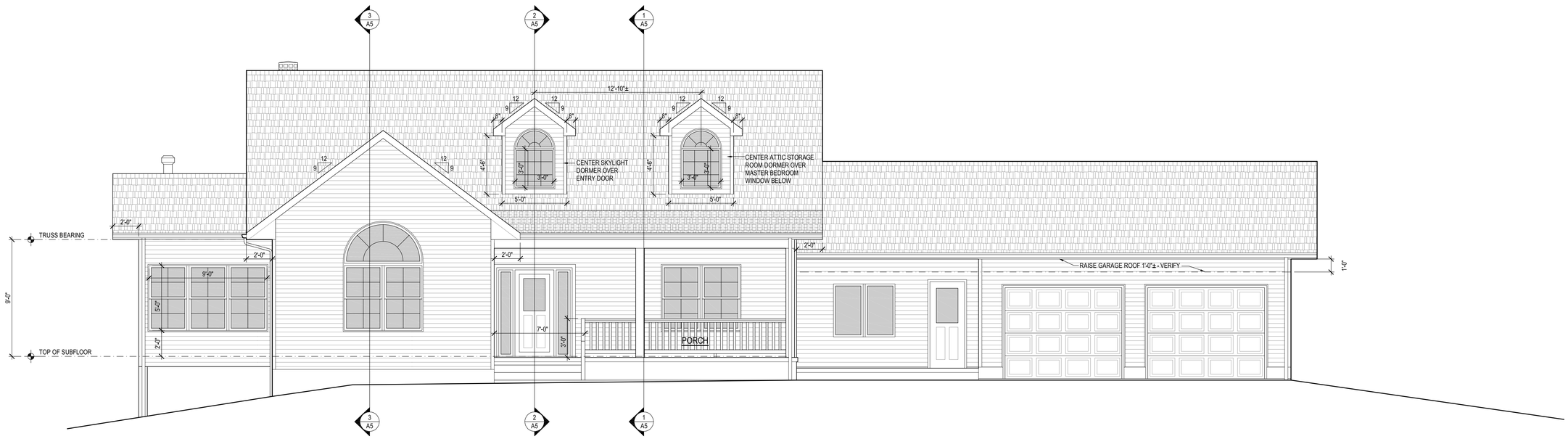

1 A4 **EAST ELEVATION**

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

2 A4 **SOUTH ELEVATION**

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

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STATE OF ILLINOIS
EXPIRES 11-30-08

LIPE ARCHITECTURE
www.lipe-architecture.com
217-563-7836 *phone*
217-563-7843 *fax*
603 School Street
Nokomis, IL
62075

BUILDING ELEVATIONS	PROJ. NO.: 0815
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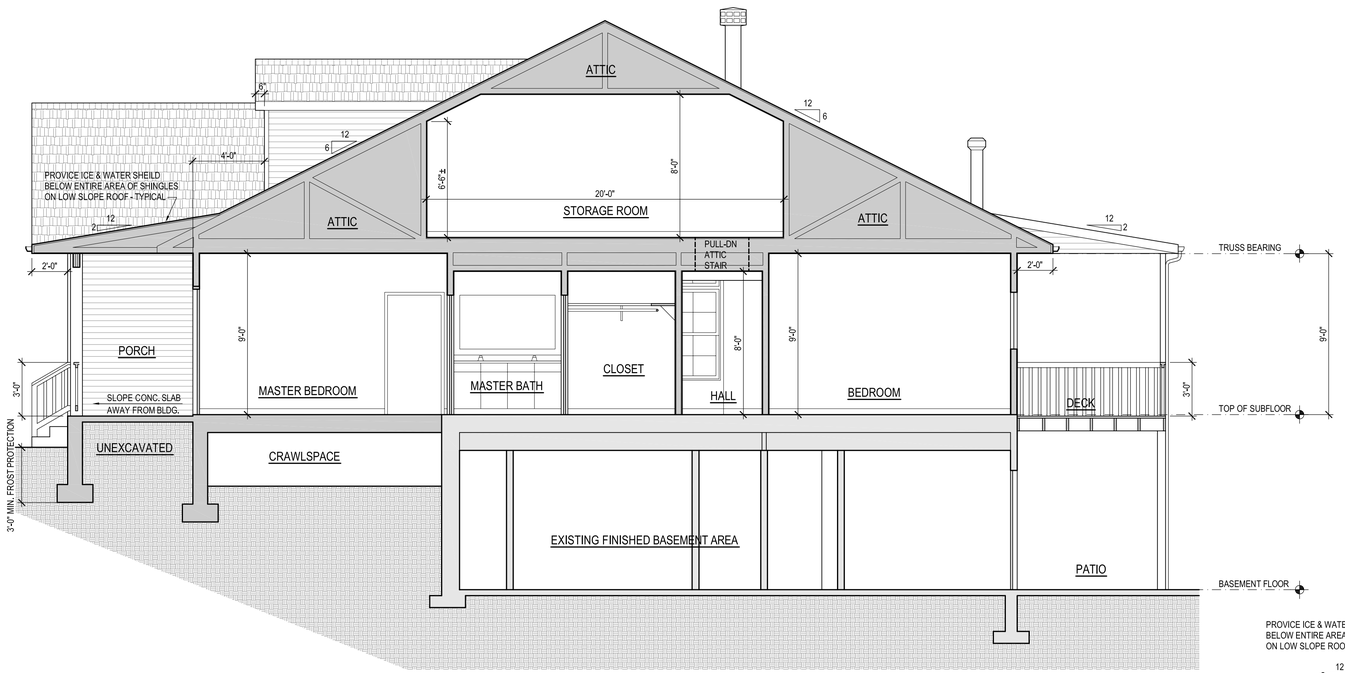
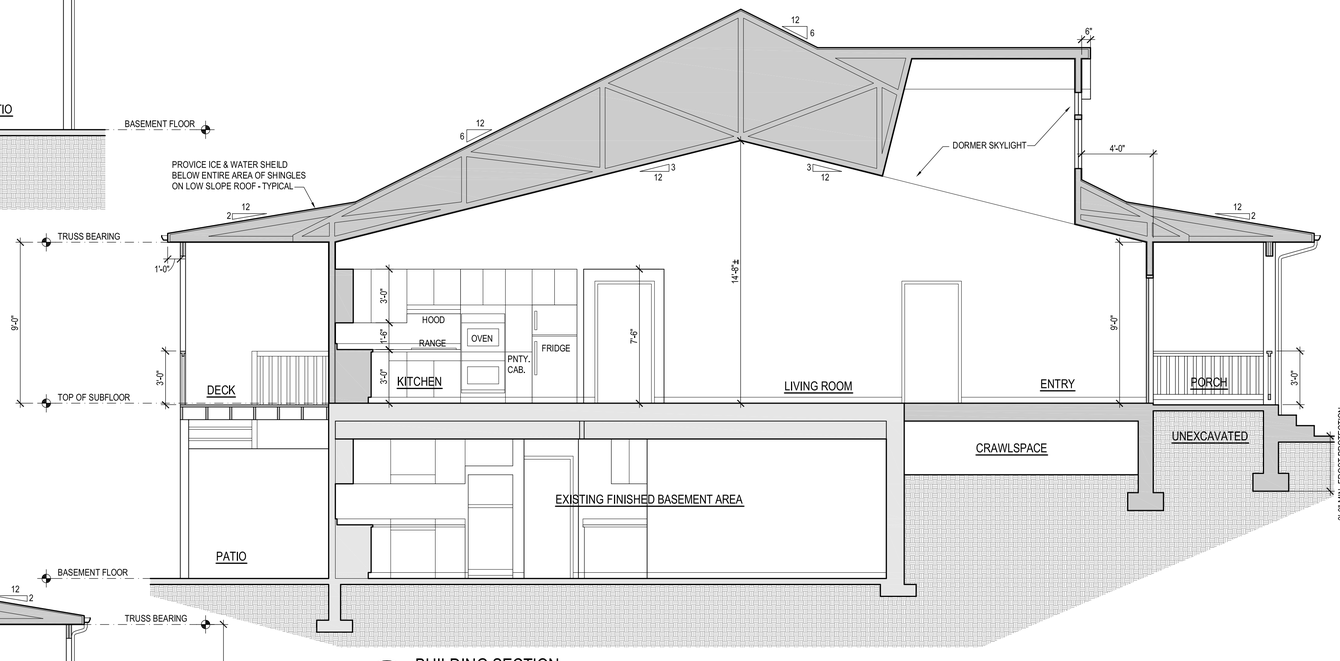


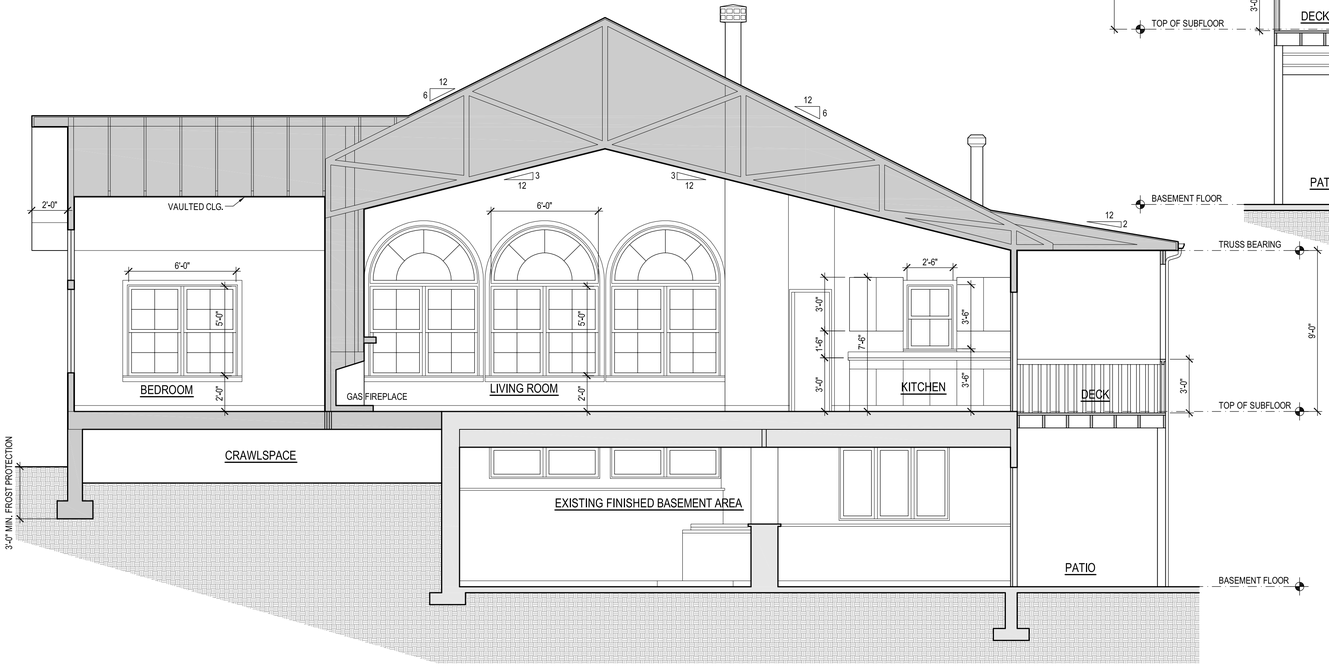
1 A5 **BUILDING SECTION**

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



2 A5 **BUILDING SECTION**

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



3 A5 **BUILDING SECTION**

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EXPIRES 11-30-08

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www.lipe-architecture.com
217-563-7836 phone
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BUILDING SECTIONS

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