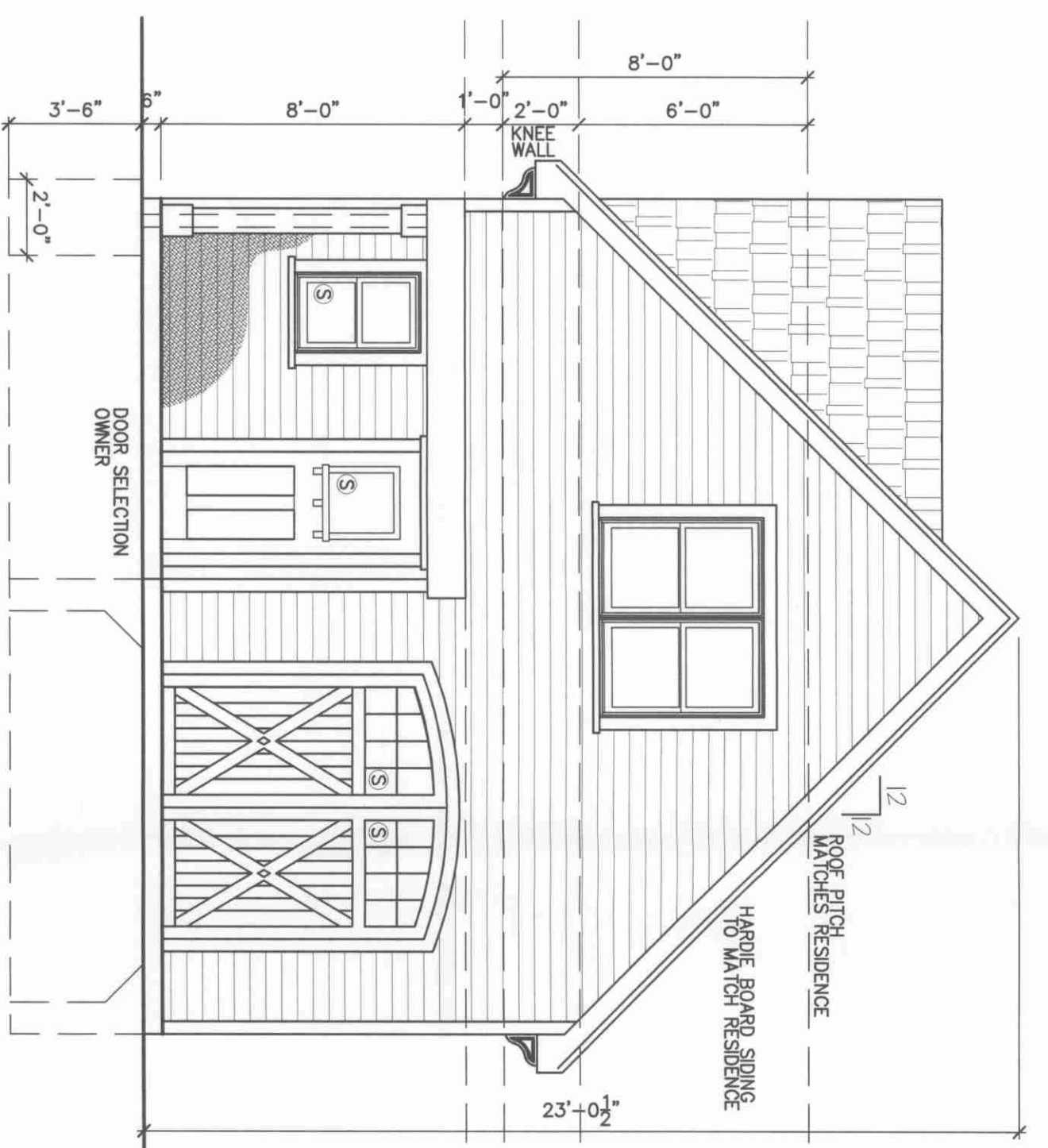
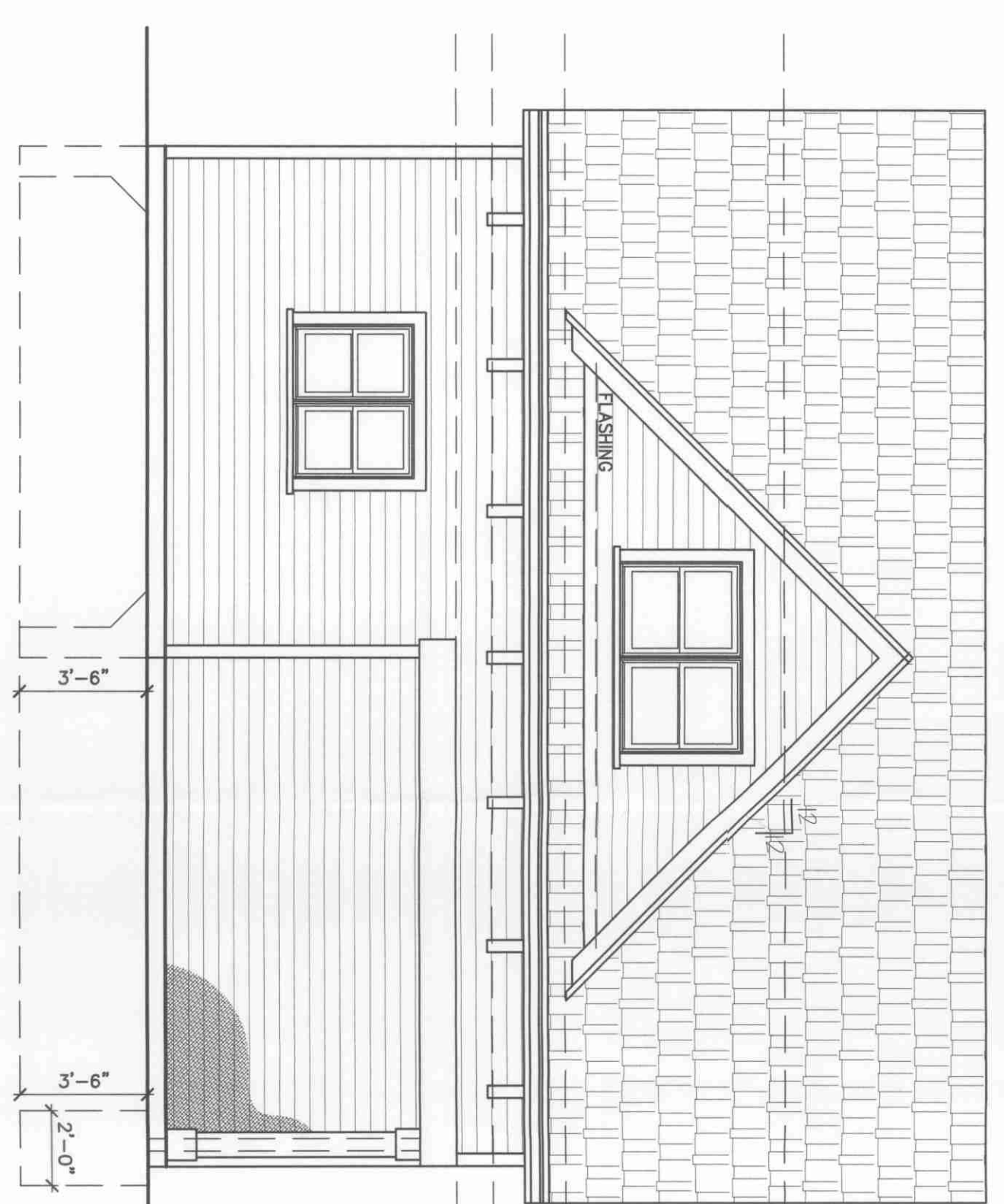


PROJECT	
A1.0	ELEVATIONS
A2.0	FOUNDATION/PAVING
A2.1	FIRST FLOOR PLAN
A3.0	SECTION / PLUMBING
A4.0	DETAILS
A5.0	SPECIFICATIONS
E1.0	ELECTRICAL



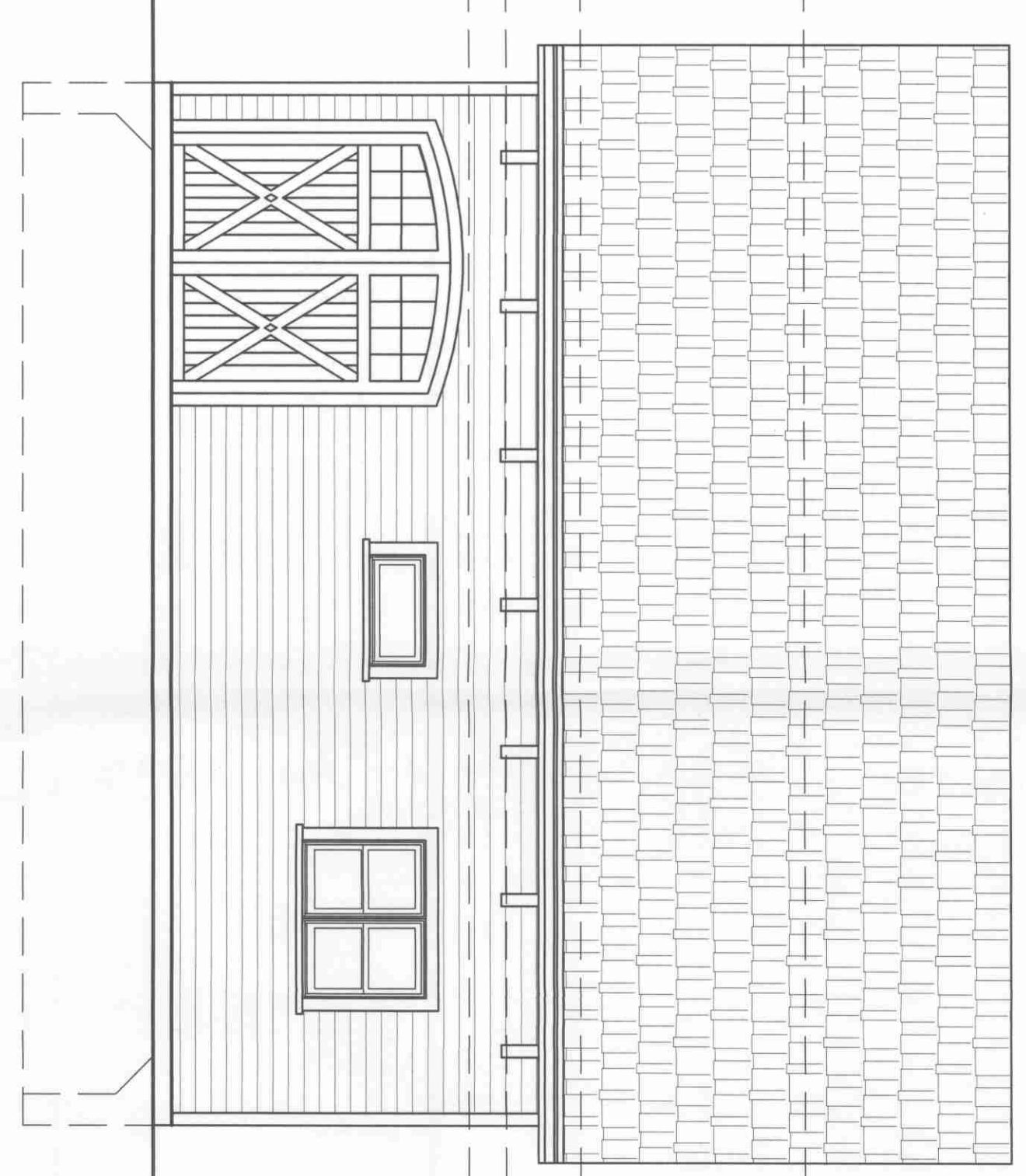
**SOUTH ELEVATION**

1/4" = 1'-0"



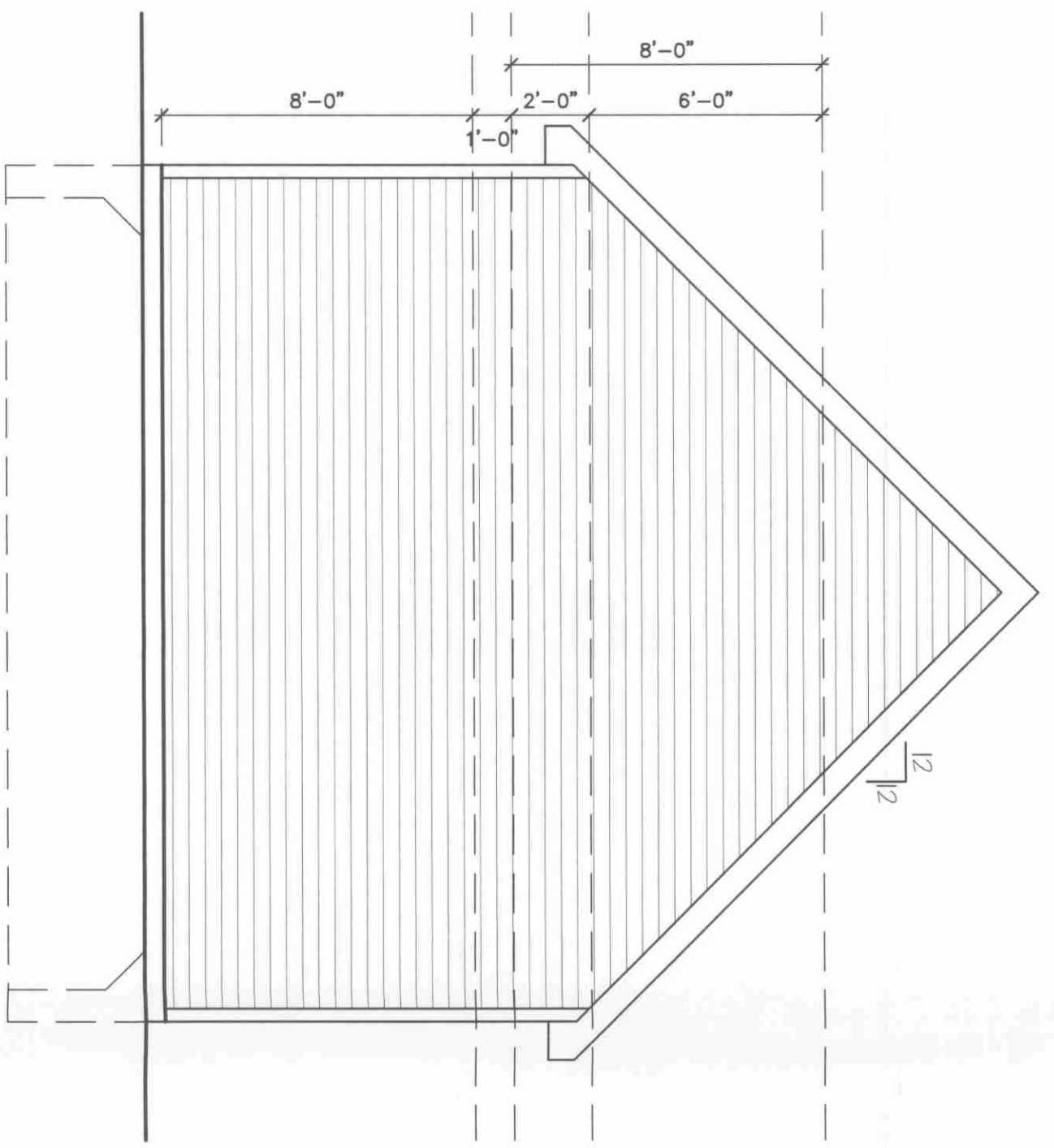
**WEST ELEVATION**

1/4" = 1'-0"



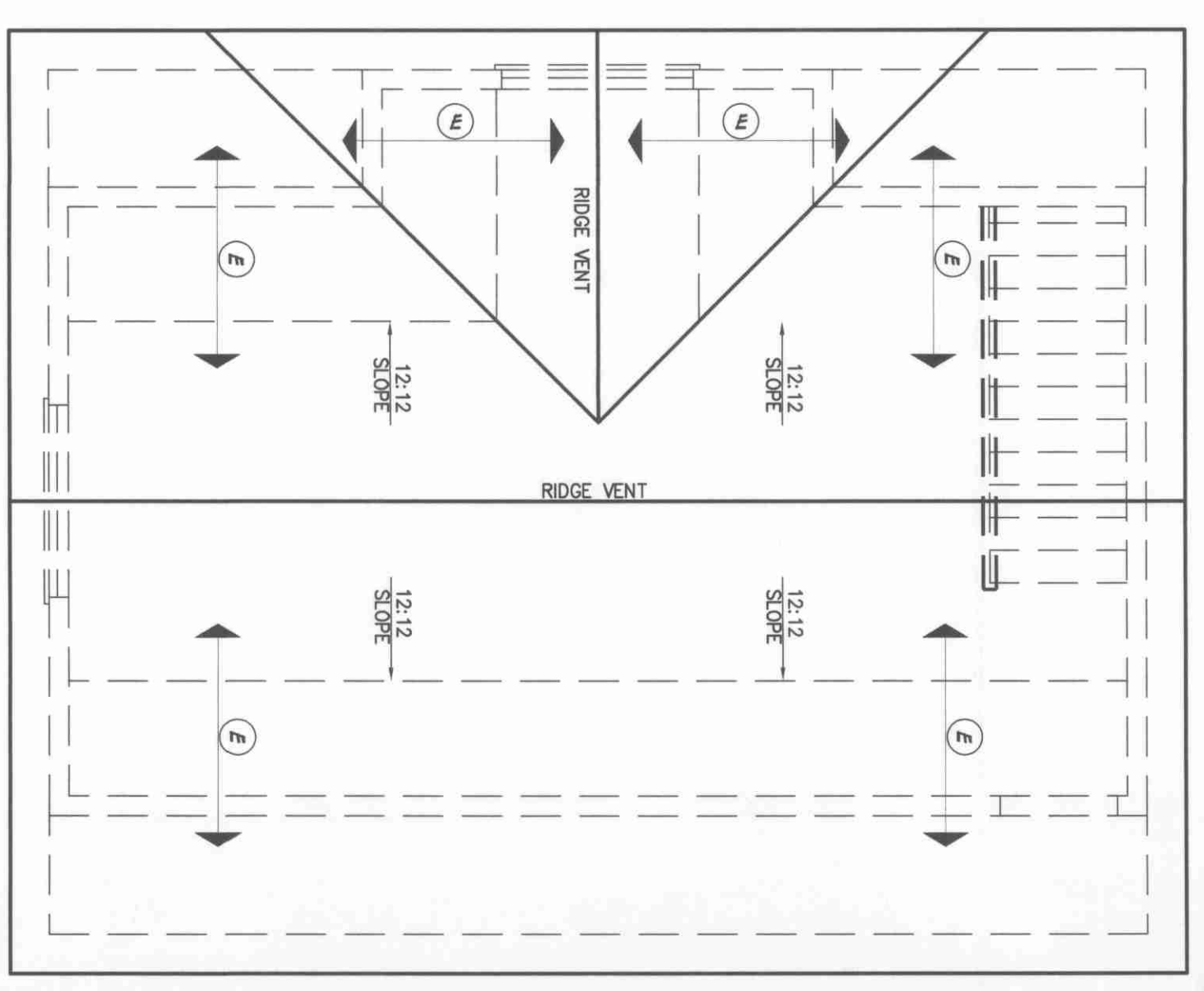
**EAST ELEVATION**

1/4" = 1'-0"



**NORTH ELEVATION**

1/4" = 1'-0"



**ROOF PLAN**

1/4" = 1'-0"

EACH STRUCTURE TO WHICH A STREET NUMBER HAS BEEN ASSIGNED SHALL HAVE SUCH NUMBER DISSEMINATED TO THE PUBLIC BY THE CITY OF CHICAGO. THIS SHALL BE IN ARABIC NUMERALS AT LEAST 4" HIGH 1/2" STROKE

NOTE: FLASHING (METAL OR PLASTIC) AND WEEP HOLES ABOVE ALL EXTERIOR DOORS AND WINDOWS OPENINGS IN THE MASONRY KENNEL

NOTE: ALL ROOF COUNTER FLASHING MUST BE BENT AND CUT INTO BRICK MORTAR JOINTS

PROVIDE A MAX. U-V VALUE OF 30 FOR ALL DOORS AND WINDOWS

ROOF SPACE	ATTC. AREA(S)	REQD. VENT(S)	ACTUAL @ 48 SF	ACTUAL @ 8 SF
ENTIRE ROOF	729 SF	48 SF @ 15 SF/FT <sup>2</sup>	6 @ 8 SF	8 @ 8 SF

**GENERAL ROOF NOTES**

- USE CANADIAN SPRUCE-PINE-FIR NO.1/NO.2 FOR ROOF RAFTERS. HEAVY 2x10's, 2x12's ROOF RAFTERS SHALL BE HEAVY-FIR(N) PER THE U.S. SPAN BOOK FOR MAJOR LUMBER SPECIES' 2009 EDITION, SNOW REGION, MEDIUM ROOF COVERING, NO CEILING, 30 PSF LIVE, 15 PSF DEAD.
  - SPAN TABLES FOR SPRUCE-PINE-FIR NO.1/NO.2 FOR NORTHERN LUMBER:
    - 2x8 @ 16" O.C. = 11'-5"
    - 2x8 @ 16" O.C. = 14'-3"
    - 2x10 @ 16" O.C. = 17'-5"
    - 2x8 @ 12" O.C. = 13'-0"
    - 2x8 @ 12" O.C. = 16'-5"
    - 2x10 @ 12" O.C. = 20'-1"
  - SPAN TABLES FOR HEAVY-FIR(N) NO.1/NO.2 FOR NORTHERN LUMBER:
    - 2x12 @ 16" O.C. = 21'-11"
    - 2x12 @ 16" O.C. = 24'-11"
- CARRIERS CONTRACTOR NOTE: THE ABOVE SPAN TABLES ARE TO BE USED FOR REFERENCE FOR MAXIMUM ROOF RAFTER SPAN. IF SUBCONDITIONS IS ABLE TO SHORTEN THE SPAN BY USE OF PURLINS OR OTHER METHODS HE IS ALLOWED TO DO SO AS LONG AS HE DOES NOT EXCEED RAFTER SPANS ALLOWED BY CODE. FURTHERMORE, IF RAFTER SPAN IN A ROOF AREA CHANGES FROM MAXIMUM SPAN TO A LESSER SPAN THE CONTRACTOR MUST MAKE THAT ADJUSTMENT (IE: 2x10'S TO 2x8'S) BY ADJUSTING IN THE BID AMOUNT ONLY.
- HIP OR VAULT RAFTERS EXCEEDING 24'-0" IN LENGTH SHALL BE 1 3/4" WIDE GANG LAM MEMBERS x RAFTER DEPTH PLUS 2 DEER.
- ALL HIP VAULT RAFTER JOINTS SHALL BE INSTALLED AND SHALL BE EQUAL IN DEPTH AND SPACING TO HAN FOR HIP FRAMING INTO THE GABLE ROOF FOR EAVE.
- VERTICAL ROOF RAFTERS TO BE LEFT IN PLACE AND NOT BE REMOVED UPON CEILING JOISTS BEARING WALL OR OVER 6 CEILING JOISTS.
- COLLAR TIES SHALL BE INSTALLED PER LOCAL GOVERNING BUILDING CODES.
- WHERE HIP RAFTERS FRAME PERPENDICULAR TO CEILING JOISTS PROVIDE SOLID BLOCKING AT 8'-0" O.C. BETWEEN JOISTS FOR A DISTANCE OF 10'-0" FROM EXTERIOR WALL.

CUTTERS AND DOWNSPOUTS MUST DISCHARGE A MINIMUM OF FIVE FEET(5') AWAY FROM THE BUILDING IN ACCORDANCE WITH THE APPROVED GRADING PLANS OR TO AN APPROVED DRAINAGE SYSTEM

PROVIDE ICE BARRIER THAT CONSISTS OF AT LEAST TWO LAYERS OF UNDERLAYMENT cemented TOGETHER OR OF STEEL-ADHERING POLYMER MEMBRANE. THE ICE BARRIER EXTENDS FROM THE EAVE EDGES TO A POINT AT LEAST 24 INCHES INSIDE THE EXTERIOR WALL LINE OF THE BUILDING.

NOTE: 1. ALL FLASHING SHALL COMPLY WITH SMOGON RECOMMENDATIONS FOR 2. CONTRACTOR SHALL LOCATE AND INSTALL CUTTERS AND DOWNSPOUTS AS REQUIRED

3. INSTALL ICE AND WATER SHIELD 2'-0" FROM INTERIOR OF WALL TO GUTTER

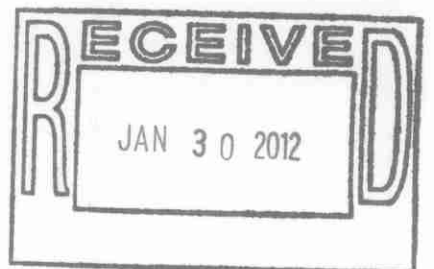
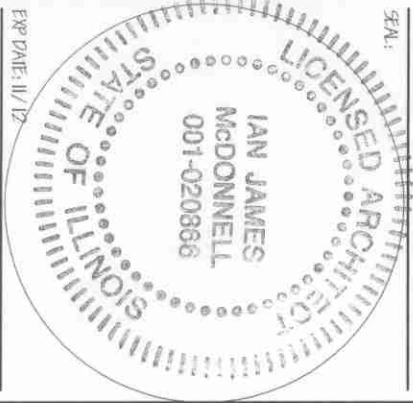
4. FLASHING AT ALL ROOF VALLEYS 13'-0" MUST BE 2x10 CONST. OR 2x8'S WITH A FOULIN WALL

**RAFTER SCHEDULE**

- Ⓐ 2 x 13 @ 16" O.C. (HEM-FIR (N))
- Ⓑ MAX SPAN OF 22'-3" (HEM-FIR (N))
- Ⓒ 2 x 12 @ 12" O.C. (HEM-FIR (N))
- Ⓓ MAX SPAN OF 25'-9" (HEM-FIR (N))
- Ⓔ 2 x 10 @ 16" O.C. (S.P.F. #2)
- Ⓕ MAX SPAN OF 18'-5"
- Ⓖ 2 x 10 @ 12" O.C. (S.P.F. #2)
- Ⓗ MAX SPAN OF 21'-4"
- Ⓙ 2 x 8 @ 16" O.C. (S.P.F. #2)
- Ⓚ MAX SPAN OF 15'-1"
- Ⓛ 2 x 8 @ 12" O.C. (S.P.F. #2)
- Ⓜ MAX SPAN OF 17'-5"
- Ⓨ 2 x 6 @ 16" O.C. (S.P.F. #2)
- Ⓩ MAX SPAN OF 11'-11"
- Ⓟ 2 x 6 @ 12" O.C. (S.P.F. #2)
- Ⓠ MAX SPAN OF 13'-9"

**CERTIFICATION**

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED UNDER MY DIRECT SUPERVISION, AND THAT THEY TO THE BEST OF MY KNOWLEDGE, COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES OF THE GOVERNING BODY HAVING JURISDICTION.



Lawler Pool House  
Orland Park, IL

DATE: 1.23.2012

DATE: 2012-07

SHEET: A-1.0