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Lot # 002
BUILDING SITE ADDRESS: Red Island (360) 376-8292
TAX PARCEL # 262024 001 000
GENERAL CONTRACTOR: Rolf Erikson 268 Indralaya Road Orcas, WA 98280 (360) 376-2808 rolf@rockisland.com

Structural Engineer Jay Adams
Dynamic Structures 1887 N 1120 W Provo, UT 84604 (801) 356-1140 jay@lstructures.com

Proposed Log Home
Designed for: Steve & Erica Gerlicher
PO Box 877 Eastsound, WA 98245-0877
Phone: (360) 376-8292, steve@gerlicher.com

Drafting and Design by: R. Taron

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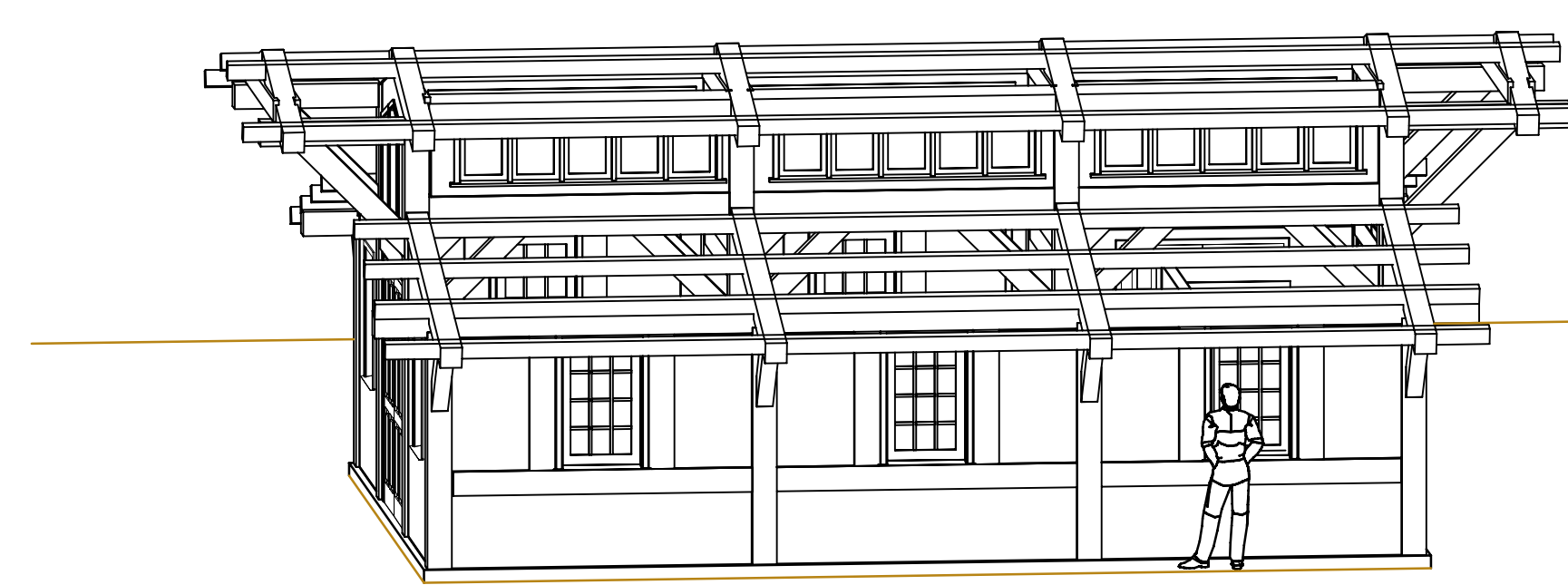
Date: 1/5/2006

Gerlicher Shop .lbc

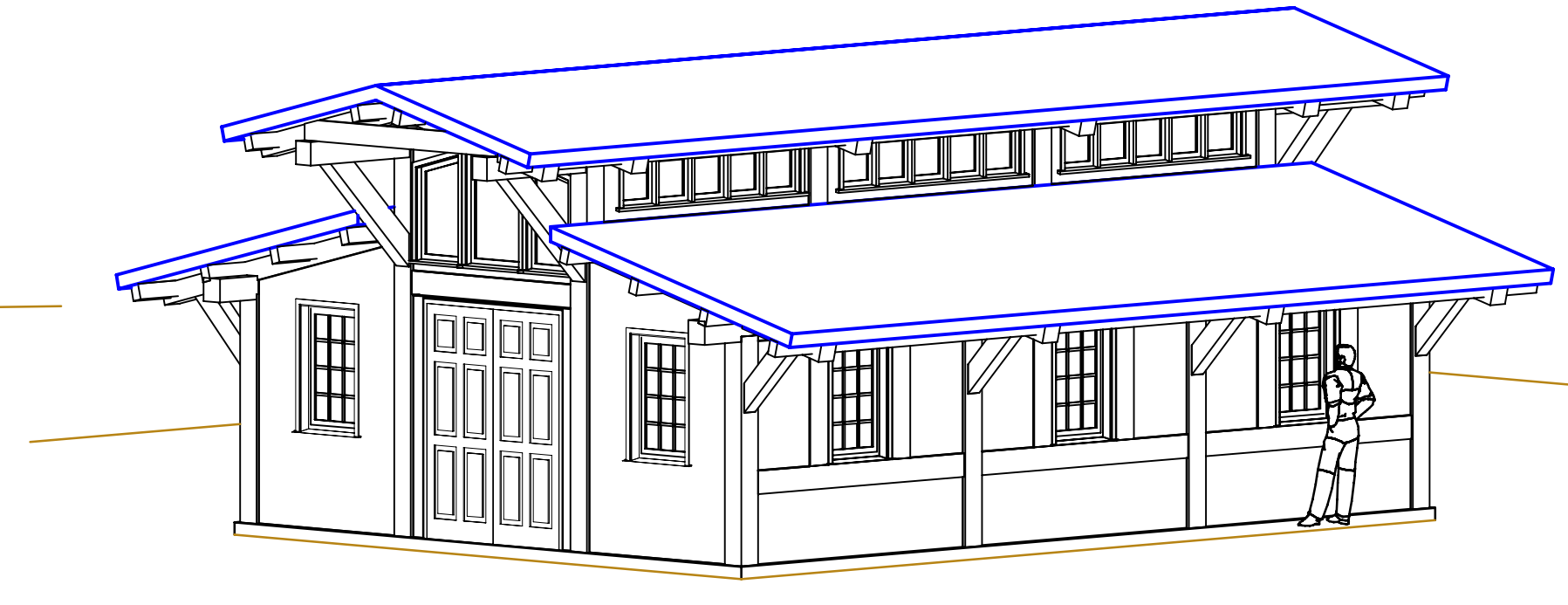
Shop 24x36

Shop Plans

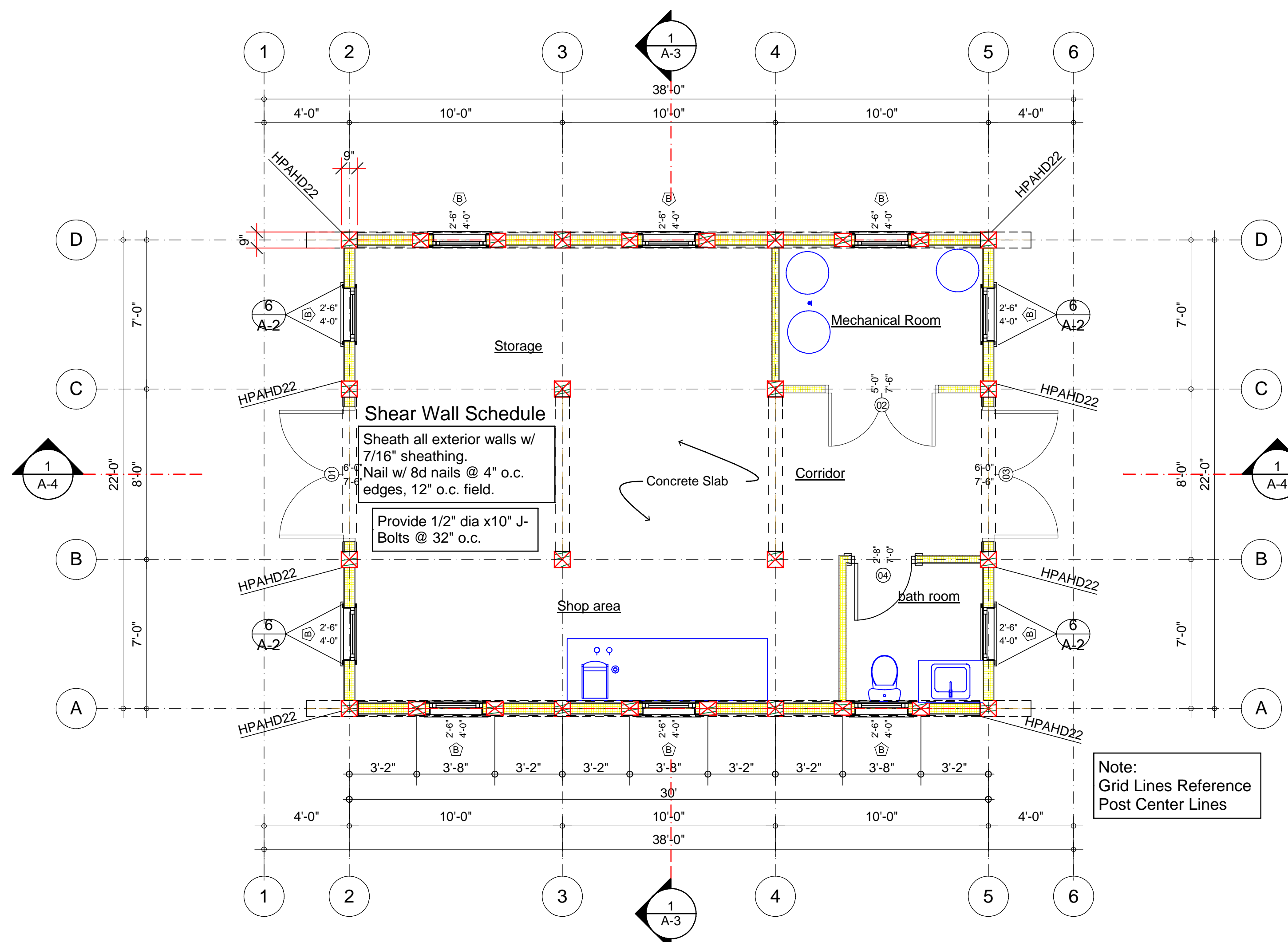
A-1



2 Perspective 2
3/16" = 1'-0"



1 Perspective 1
3/16" = 1'-0"

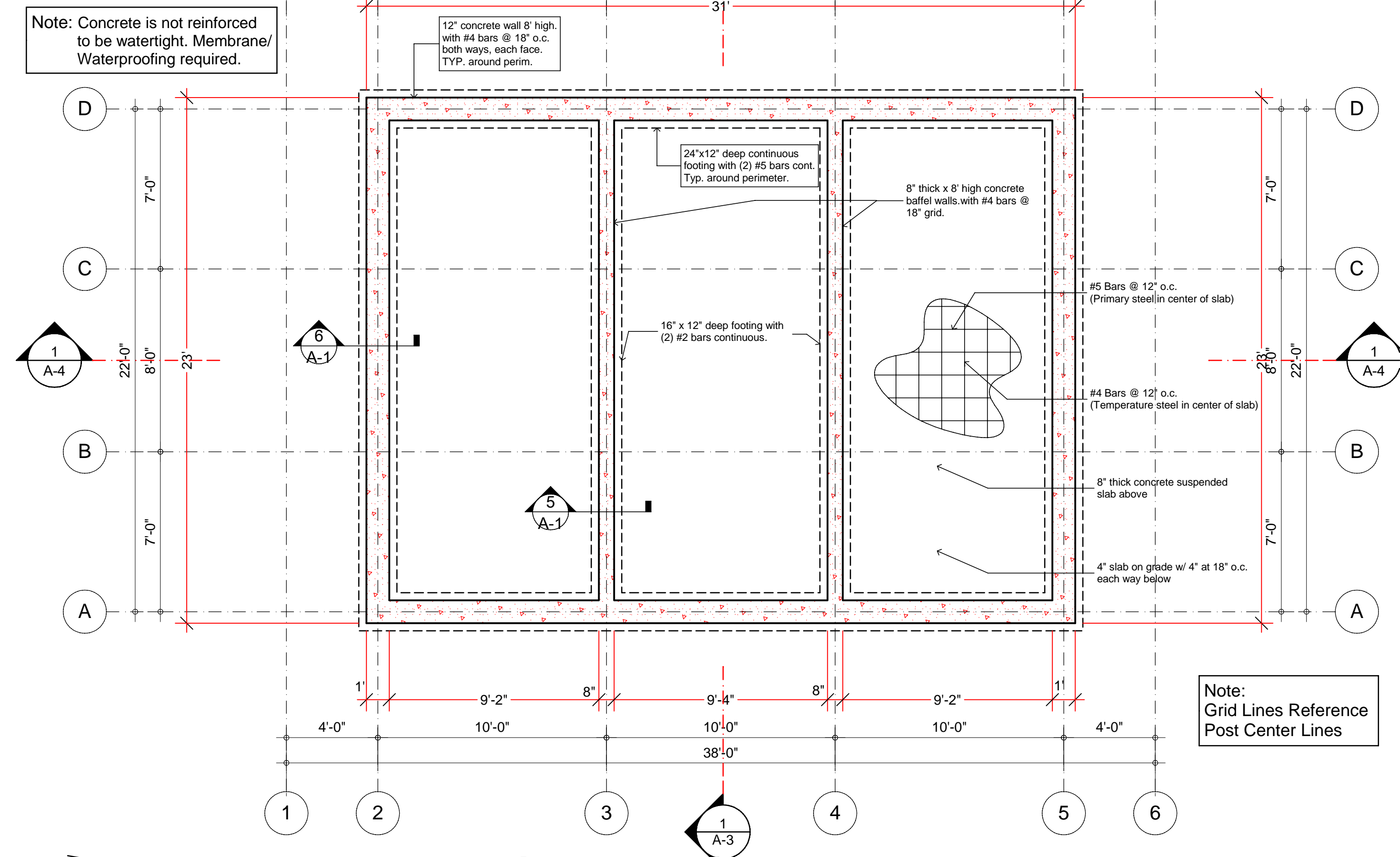


4 Main Floor Plan
1/4" = 1'-0"

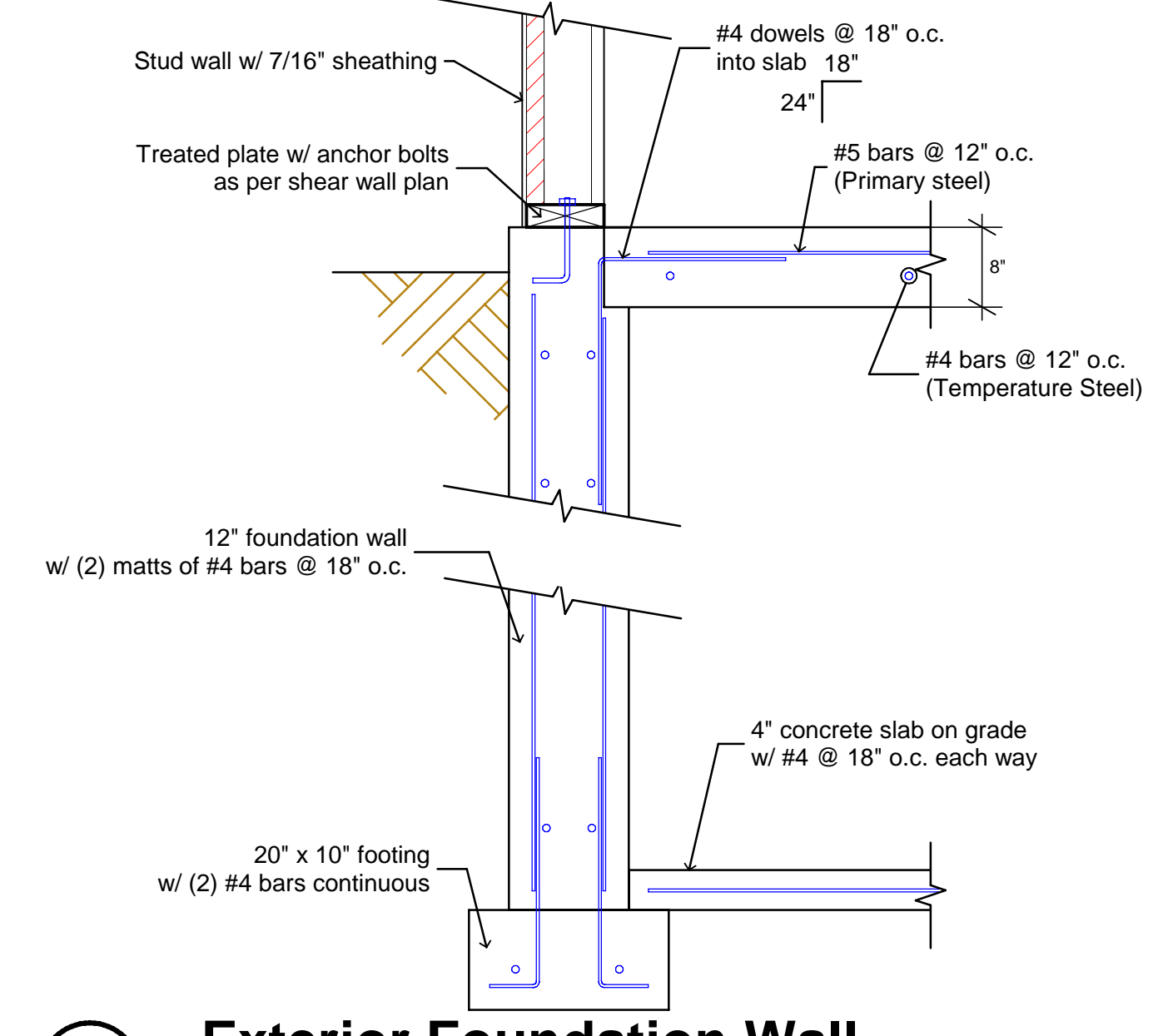
WINDOW SCHEDULE					
MARK	SIZE	Type	Room	Quantity	
	WIDTH	HEIGHT			
A	2'	3'-7 3/8"	W Trapezoid Fix	Clearstory	4
B	2'-6"	4'	W1 Casement	bath room	2
B	2'-6"	4'	W1 Casement	Mechanical Room	2
B	2'-6"	4'	W1 Casement	Shop area	3
B	2'-6"	4'	W1 Casement	Storage	3
C	2'-6"	4'	W Pentagon Fix	Clearstory	2
D	8'	1'-8"	W Ribbon	Clearstory	6
					22

Door List					
Mark	W x H Size	Jamb	Swing	From Room	To Room
01	6'x7'-6"	6 1/2"	L	Corridor	
02	5'x7'-6"	4 1/2"	L	Mechanical Room	Corridor
03	6'x7'-6"	6 1/2"	R	Corridor	
04	2'-8"x7'	4 1/2"	L	Corridor	bath room

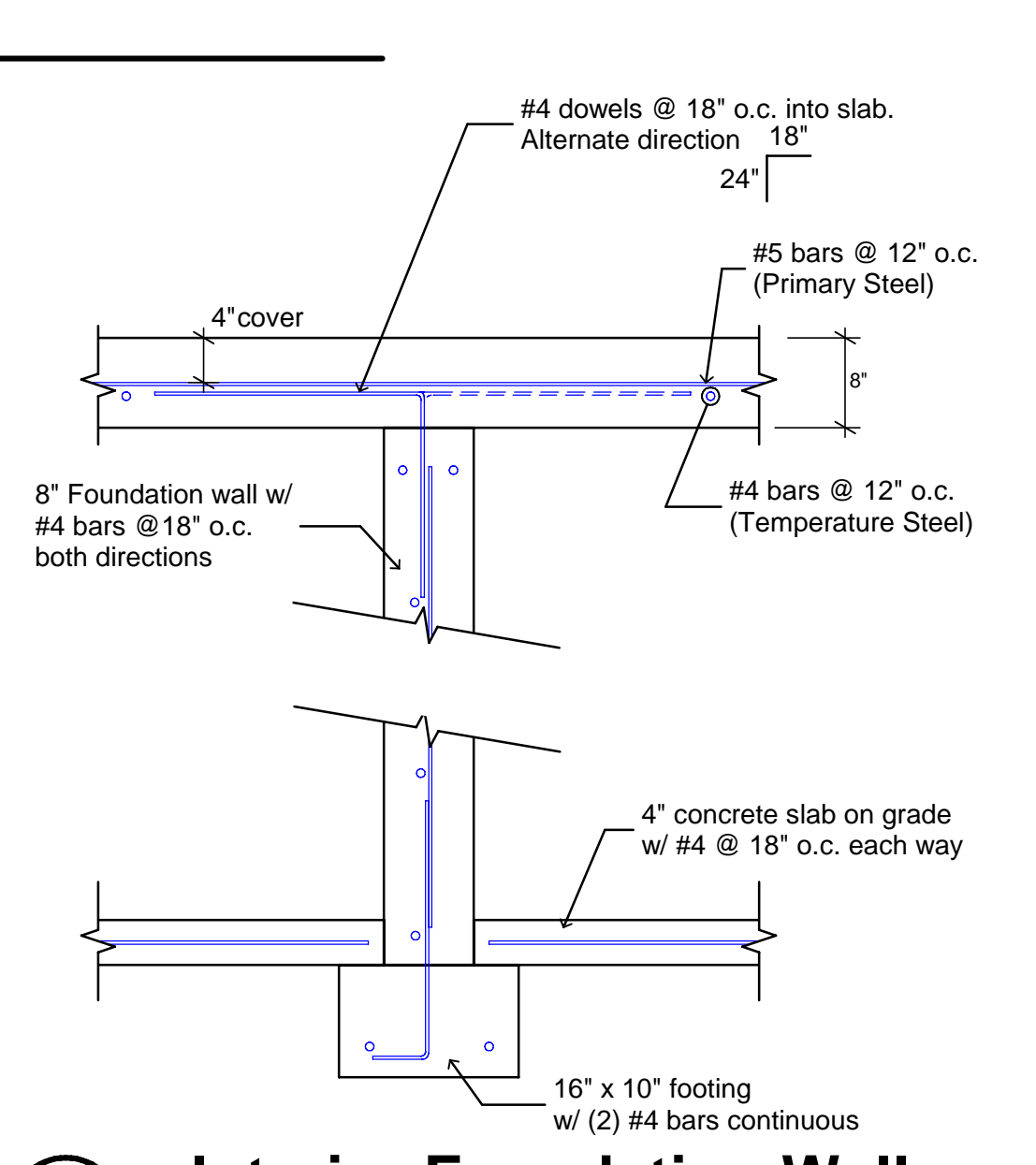
7 Schedules
1/4" = 1'-0"



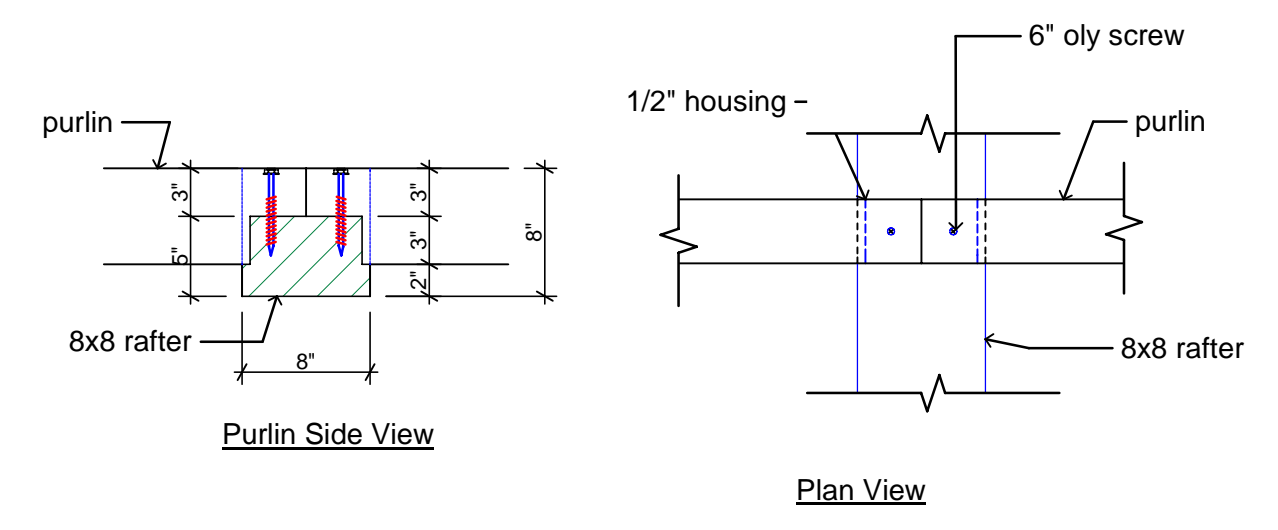
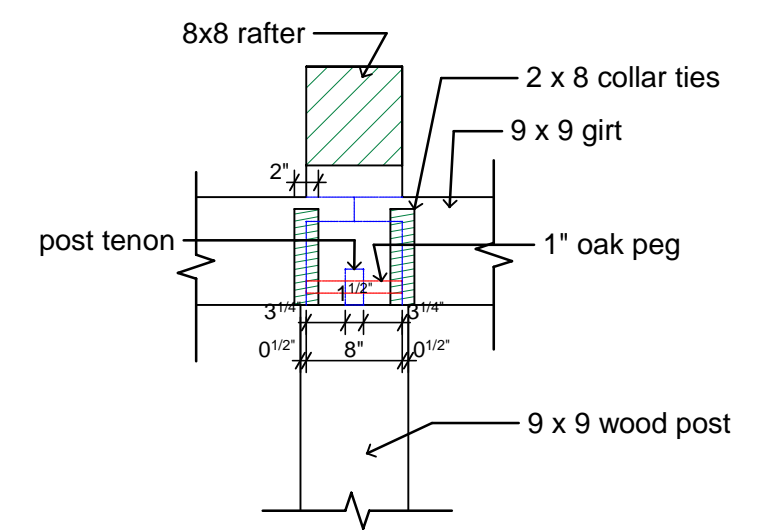
3 Foundation
1/4" = 1'-0"



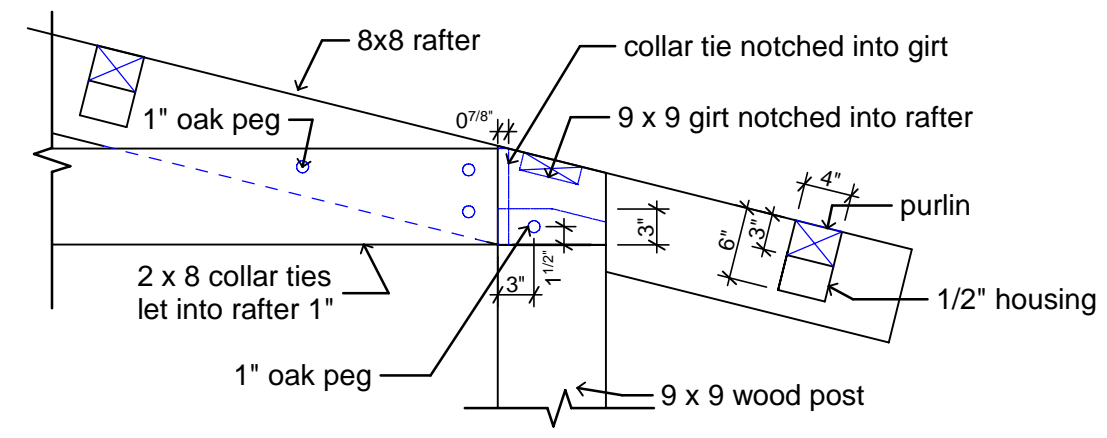
6 Exterior Foundation Wall
3/4" = 1'-0"



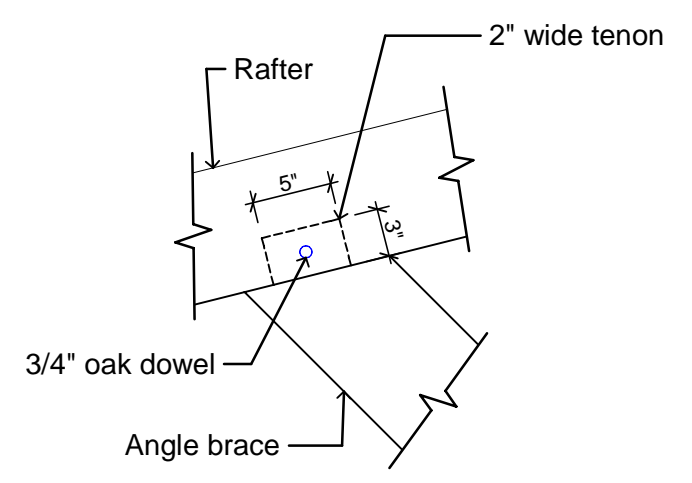
5 Interior Foundation Wall
3/4" = 1'-0"



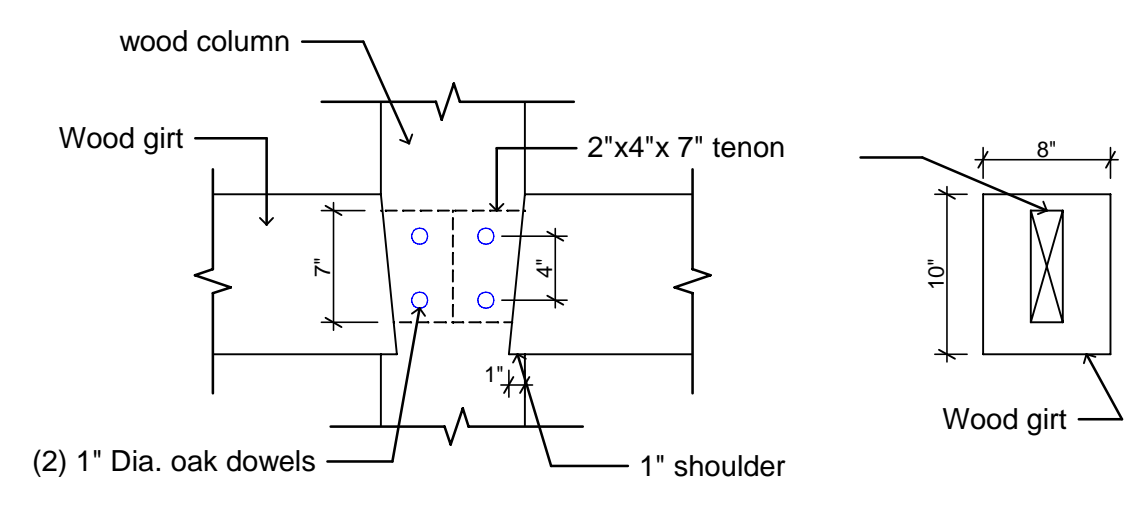
2 Purlin at Rafter
1" = 1'-0"



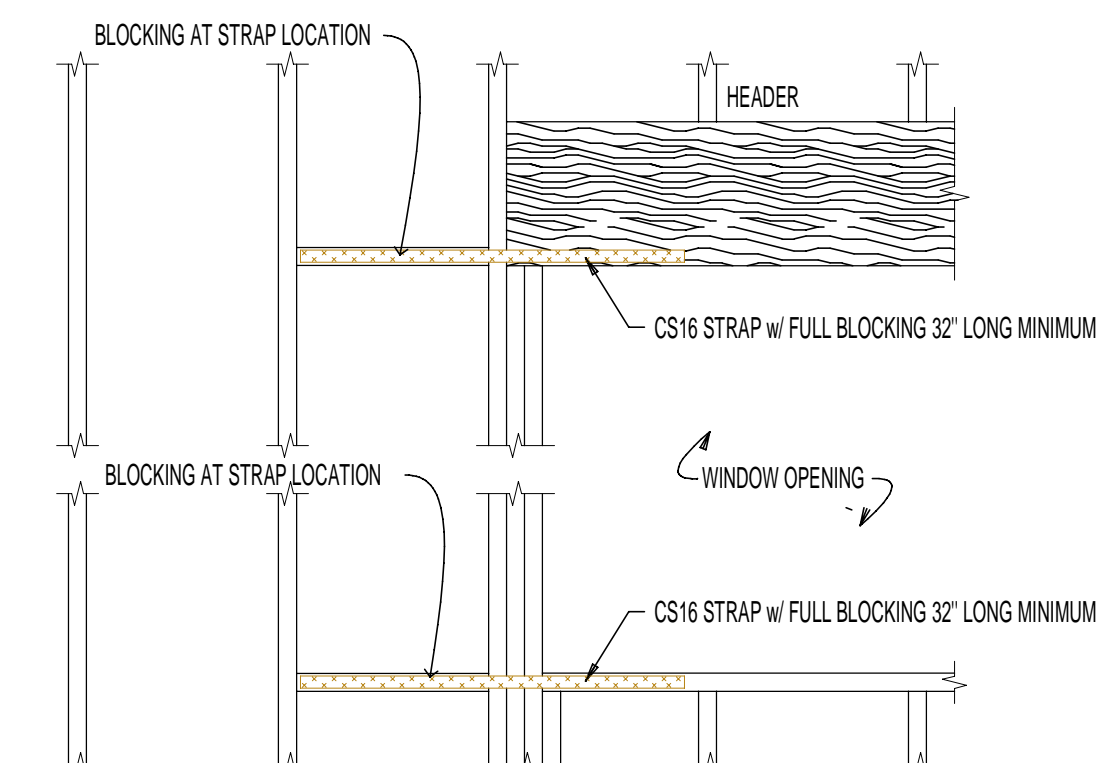
3 Top Girt @ Post
3/4" = 1'-0"



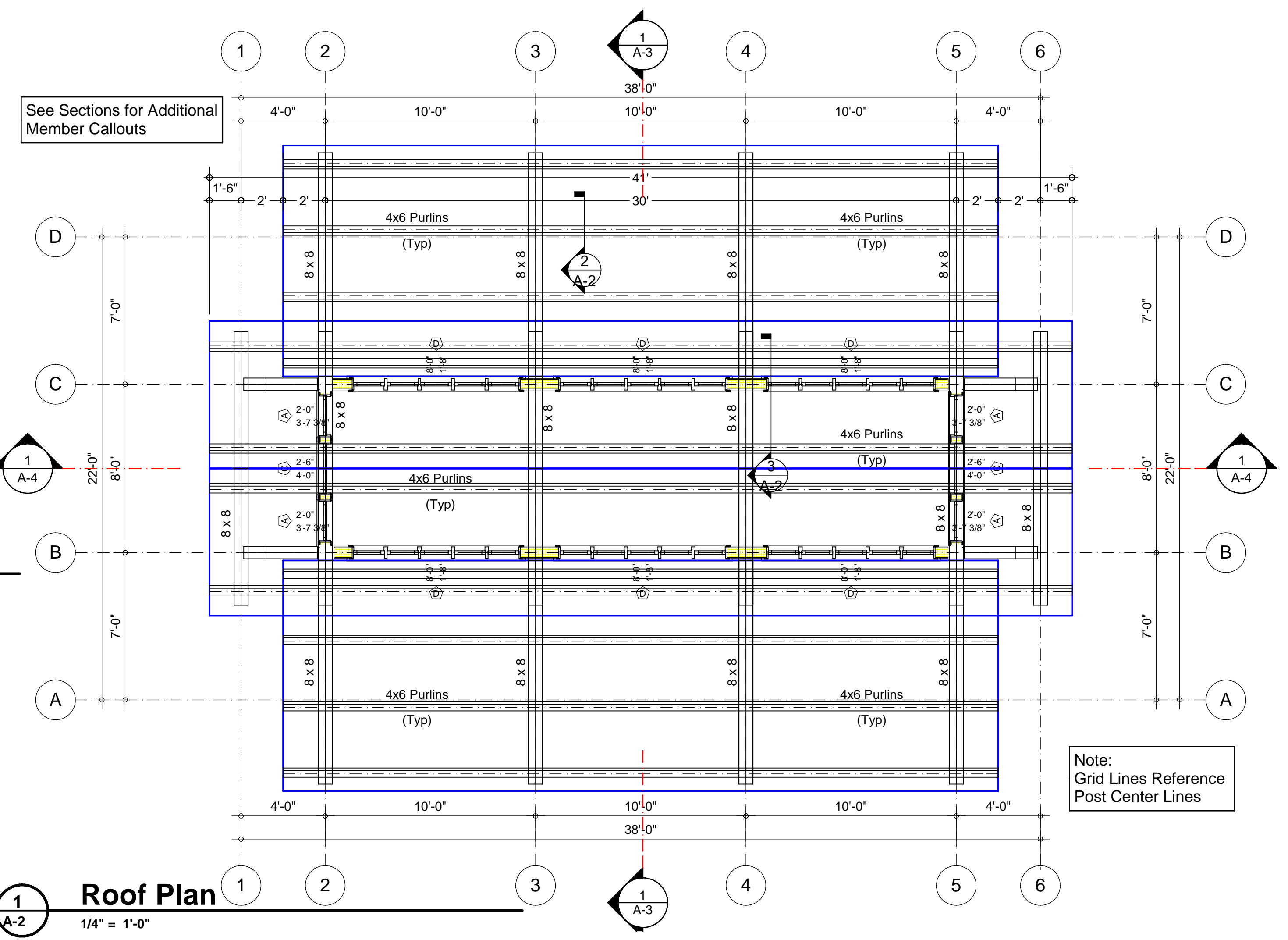
4 Tenon @ brace
1" = 1'-0"



5 Typical Mortise and Tenon
1" = 1'-0"



6 Blocking Strap at Window
1/16" = 1'-0"



1 Roof Plan
1/4" = 1'-0"

GENERAL CONCRETE NOTES:

- SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2003 IBC, ACI 318-95, AND LOCAL ORDINANCES.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PLACING CONCRETE.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PRIOR TO PLACING CONCRETE. PROVIDE SLEEVES, BLOCK OUTS, ETC., AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PLACEMENT OF ALL ANCHOR BOLTS, SEISMIC ANCHORS OR STRAPS, ETC. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FORM WORK, POUR STOPS, ETC. REQUIRED TO CONSTRUCT ALL CONCRETE WORK. SUCH FORM WORK IS NOT NECESSARILY SHOWN ON THE STRUCTURAL PLANS OR DETAILS. THE CONTRACTOR SHALL SPECIFY ALL FORM WORK AND SHALL INCLUDE THE COST FOR SUCH IN HIS/HER ORIGINAL BID.
- CONTRACTOR SHALL PROVIDE ALL SHORING AS REQUIRED.
- FOOTINGS, FOUNDATION AND SLABS ON GRADE SHALL BE CONSTRUCTED ON PROPERLY COMPACTED NATURAL SOIL OR ON STRUCTURAL FILL.
- A GEOTECHNICAL REPORT SHALL BE PROVIDED TO THE ENGINEER TO VERIFY ACTUAL SITE CONDITIONS.
- SEE FOUNDATION PLAN FOR ADDITIONAL NOTES AND REQUIREMENTS.

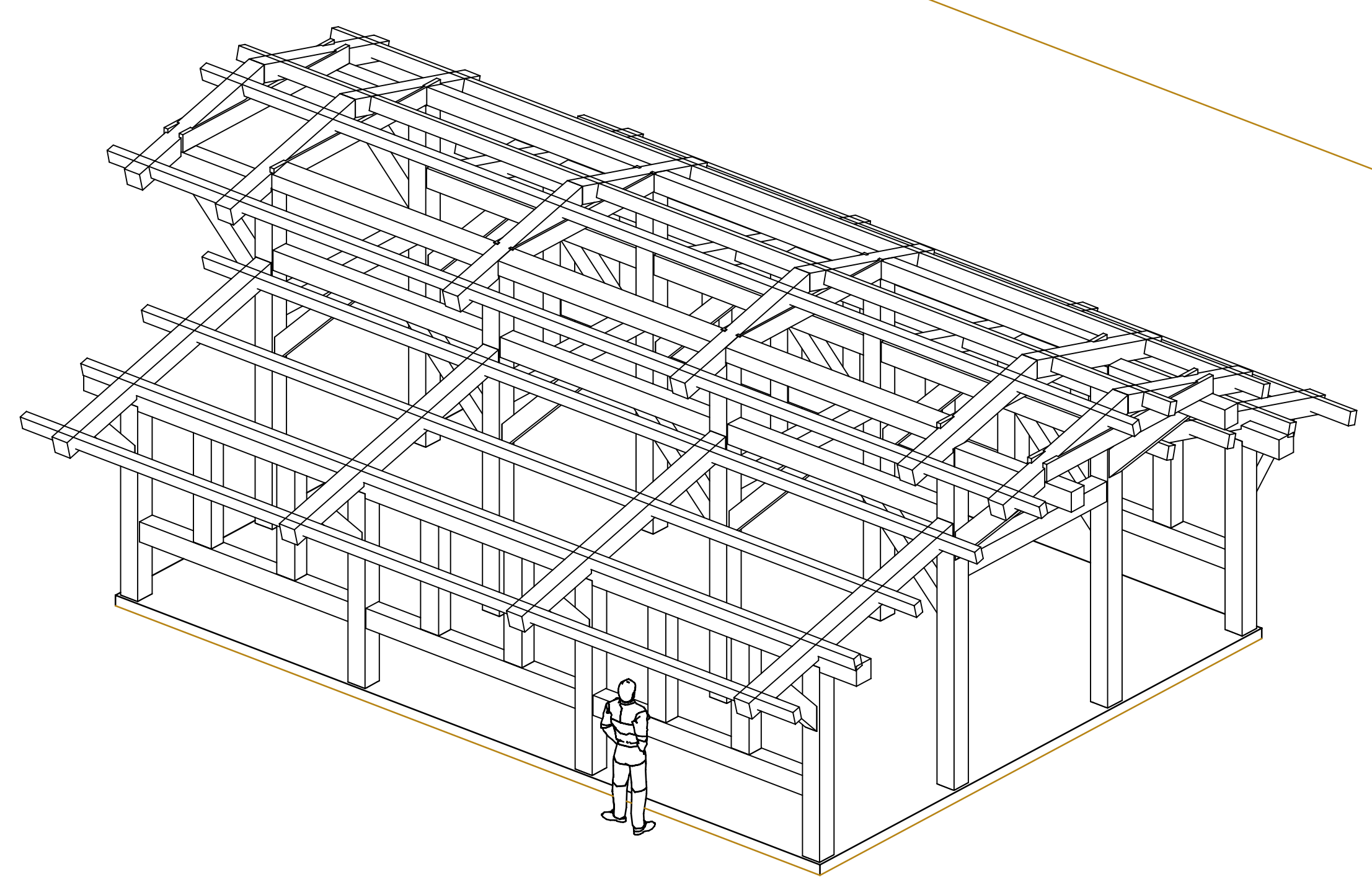
CONCRETE AND REINFORCEMENT

- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. FLAT SLABS, AND CONCRETE RETAINING WALLS OVER 4'-0" HIGH, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. A COMPRESSIVE STRENGTH OF 2500 PSI HAS BEEN USED FOR CONCRETE DESIGN.
- SEE PROJECT SPECIFICATIONS FOR CONCRETE DESIGN REQUIREMENTS.
- ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO THE STANDARD SPECIFICATIONS ASTM A615 GRADE 60. REINFORCING STEEL SHALL BE PROPERLY TIED INTO PLACE PRIOR TO PLACING CONCRETE. FIELD BENT DOWELS MAY BE GRADE 40.
- ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACI DETAILING MANUAL AND ACI STANDARDS (LATEST ADDITION).
- ALL SPLICES IN CONTINUOUS CONCRETE REINFORCING BARS SHALL LAP A MINIMUM OF 40 BAR DIAMETERS. ALL SPLICES SHALL BE MADE IN A COMPRESSION ZONE UNLESS NOTED. ALL CONTINUOUS REINFORCING SHALL TERMINATE WITH A 90 DEG. BEND OR WITH SEPARATE CORNER BARS.

FOUNDATION WALLS

- SEE FOUNDATION WALL SCHEDULE, OR FOUNDATION PLAN, FOR SPECIFICATION OF FOUNDATION WALL REINFORCEMENT. SEE RETAINING WALL SCHEDULE, OR FOUNDATION PLAN, FOR SPECIFICATION OF RETAINING WALL REINFORCEMENT.
- BRACE WALLS AS REQUIRED UNTIL FLOOR SLABS AND/OR FLOOR FRAMING ARE IN PLACE, AND UNTIL WALLS HAVE PROPERLY CURED.
- FOUNDATION WALLS HAVE BEEN DESIGNED USING AN EQUIVALENT FLUID PRESSURE. A GEOTECHNICAL REPORT SHALL BE PROVIDED TO THE ENGINEER TO VERIFY PRESSURES USED FOR DESIGN. SEE STRUCTURAL PLANS AND CALCULATIONS FOR ACTUAL FLUID PRESSURE USED.
- BACKFILL ADJACENT TO FOUNDATION WALLS OR IN LANDSCAPED AREAS SHALL BE PLACED IN LOOSE LIFTS A MAXIMUM OF EIGHT INCHES (8"). FILL SHALL HAVE A MOISTURE CONTENT WITHIN 2% OF OPTIMUM AND SHALL BE COMPACTED TO AT LEAST 90% MAXIMUM DENSITY (ASTM D 1557). HEAVY EQUIPMENT SHALL NOT BE USED TO BACKFILL WITHOUT PRIOR CONSENT OF THE ENGINEER.
- DRAINAGE SHALL BE PROVIDED BEHIND ALL FOUNDATION AND RETAINING WALLS. THE ARCHITECT SHALL SPECIFY DRAINAGE METHOD.

8 Concrete.doc
1" = 1'-0"



7 Log Shell 2
1/4" = 1'-0"



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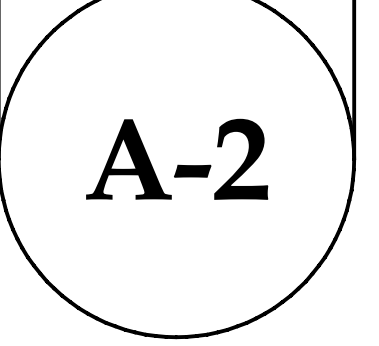
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Date: 1/5/2006
Gerlicher Shop .lbc
Shop 24x36
Roof Plan-&- Details





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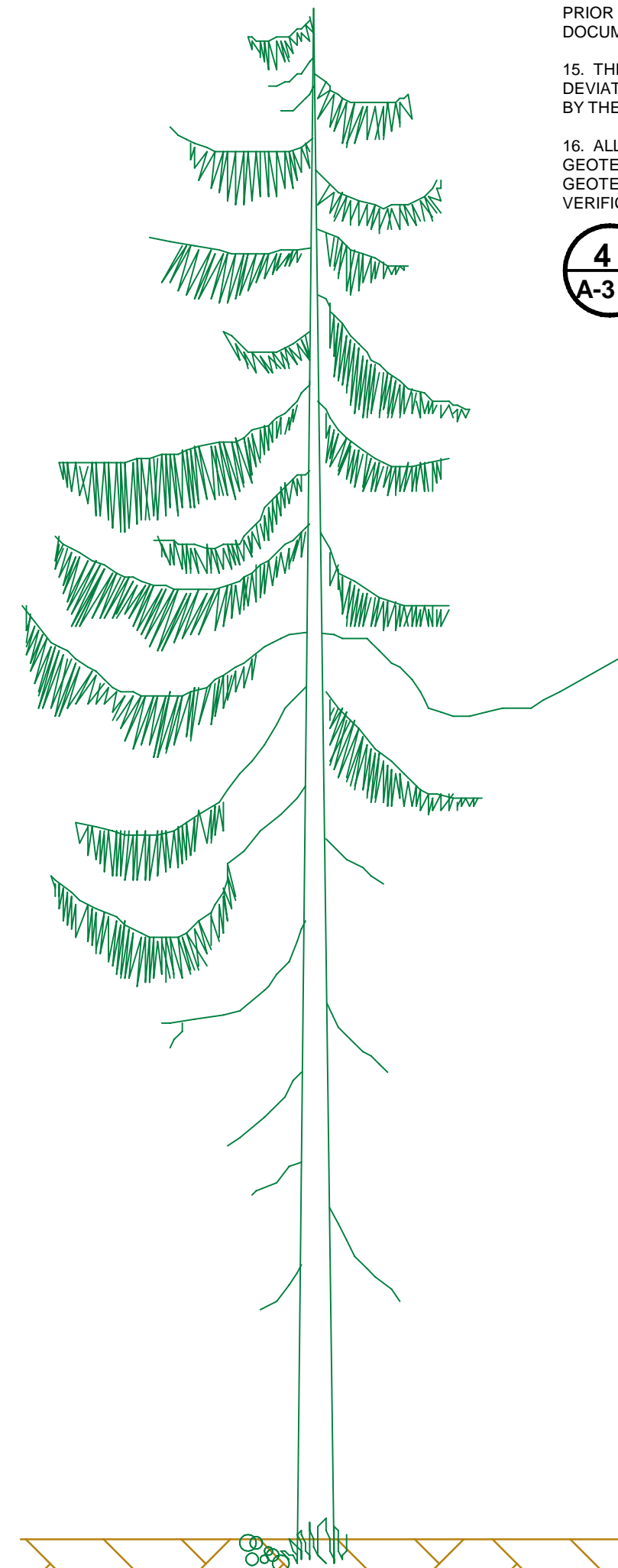
Section A

A-3

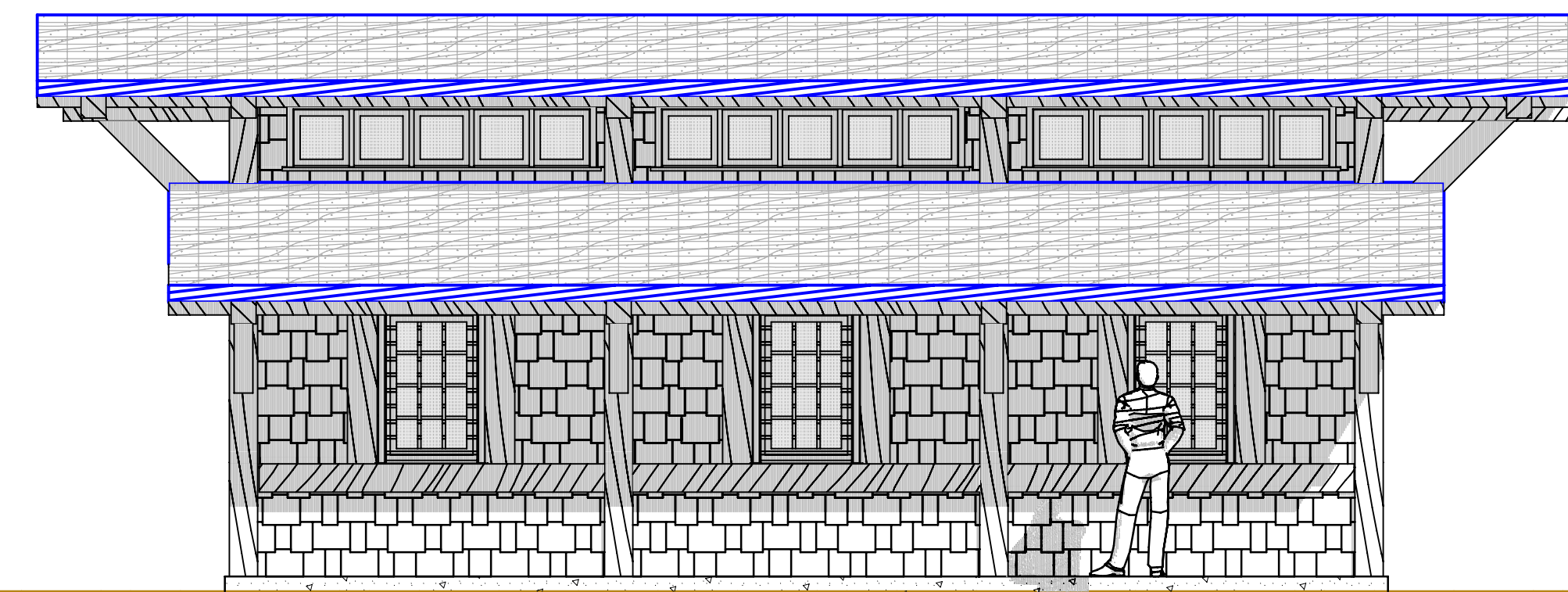
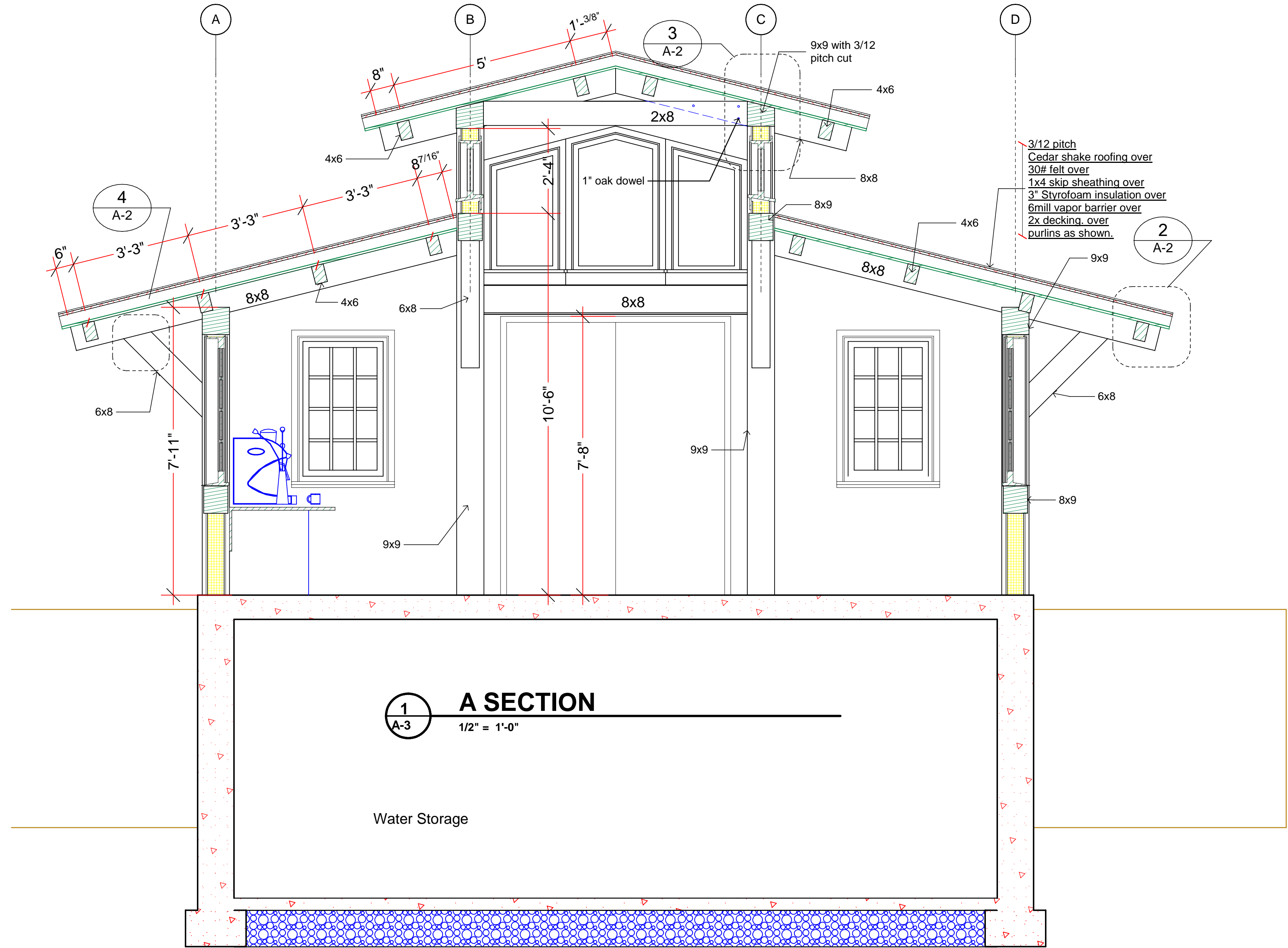
GENERAL STRUCTURAL NOTES

1. IN ALL CASES, "CONTRACTOR" SHALL REFER TO THE CONTRACTOR OR SUB-CONTRACTOR RESPONSIBLE FOR THE TRADE SPECIFICALLY REFERRED TO IN THE NOTES (i.e. STEEL, CONCRETE, MASONRY). THE "CONTRACTOR" SHALL MEET ALL NOTE REQUIREMENTS AND SHALL INCLUDE THE COSTS ASSOCIATED WITH THESE REQUIREMENTS IN HIS/HER BID. THE GENERAL CONTRACTOR, OR CONSTRUCTION MANAGER, IS ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL NOTE REQUIREMENTS.
2. THE CONTRACTOR SHALL PERFORM HIS/HER TRADE AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE 2003 INTERNATIONAL BUILDING CODE (IBC), AND/OR LATEST CODE ADOPTED BY THE LOCAL BUILDING OFFICIAL, AND ALL LOCAL ORDINANCES.
3. THE GENERAL CONTRACTOR, OR PROJECT MANAGER, SHALL COORDINATE THE WORK PERFORMED BY ALL TRADES.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR THE SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, SLOPES AND ELEVATIONS, ETC., AT THE JOB SITE AND SHALL COORDINATE THESE WITH THE ARCHITECT AND WITH ALL TRADES. CONSTRUCTION DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
6. VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ENGINEER DO NOT CONSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS; THEY ARE MERELY FOR THE PURPOSE OF OBSERVATION.
7. SHOP DRAWINGS FOR ANY FABRICATED COMPONENTS OR COMPONENTS DESIGNED BY MANUFACTURER SHALL BE APPROVED BY THE ENGINEER AND ARCHITECT PRIOR TO FABRICATION AND ERECTION. SHOP DRAWINGS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT.
8. THE CONTRACTOR SHALL VERIFY SIZES, LOCATIONS, LOADS, AND EQUIPMENT ANCHORAGE IN THE FIELD WITH THE EQUIPMENT MANUFACTURER (OR SUPPLIER) PRIOR TO FABRICATION OR INSTALLATION OF SUPPORTING STRUCTURES.
9. TEMPORARY SHORING (BRACING) SHALL BE PROVIDED WHERE NECESSARY. SHORING SHALL SUPPORT ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED (i.e. WIND). SHORING SHALL REMAIN IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETED. ALL SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. DURING AND AFTER CONSTRUCTION, THE CONTRACTOR AND OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOADS FOR THE OCCUPANCY. SEE STRUCTURAL PLANS AND CALCULATIONS FOR STRUCTURAL DESIGN LOADINGS AND CRITERIA.
11. ANY SPECIAL INSPECTION REQUIRED BY THE CONSTRUCTION DOCUMENTS, OR BY THE BUILDING OFFICIAL, OR BY THE UBC, IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.
13. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL NOTES AND REQUIREMENTS.
14. PRIOR APPROVAL, IN WRITING, FROM THE ENGINEER IS REQUIRED FOR ANY DEVIATION FROM THE STRUCTURAL PLANS AND/OR CONSTRUCTION DOCUMENTS. OPTIONAL MEMBER SIZES AND VARIATIONS IN THE FRAMING REQUIRE PRIOR APPROVAL OF THE ENGINEER, ARCHITECT AND OWNER. FAILURE TO FOLLOW PLANS AND CONSTRUCTION DOCUMENTS CONSTITUTES CHANGE IN PROJECT SCOPE.
15. THE ENGINEER RESERVES THE RIGHT TO REQUEST REPLACEMENT OF ANY PORTION OF THE STRUCTURE DEVIATING FROM THE PLANS WHERE WRITTEN PRIOR APPROVAL HAS NOT BEEN OBTAINED AND WHERE INSPECTION BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE CHANGED PORTION HAS NOT HAPPENED.
16. ALL SITE WORK, GRADING, COMPACTION AND BACKFILL, ETC. SHALL BE DONE IN COMPLIANCE WITH A GEOTECHNICAL REPORT SPECIFIC TO THE SITE. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO OBTAIN A GEOTECHNICAL REPORT, IF ONE HAS NOT ALREADY BEEN OBTAINED, AND SUBMIT A COPY TO THE ENGINEER FOR VERIFICATION.

4
A-3
Structural.doc
1" = 1'-0"



3
A-3
West Elevation
1/4" = 1'-0"



2
A-3
South Elevation
1/4" = 1'-0"



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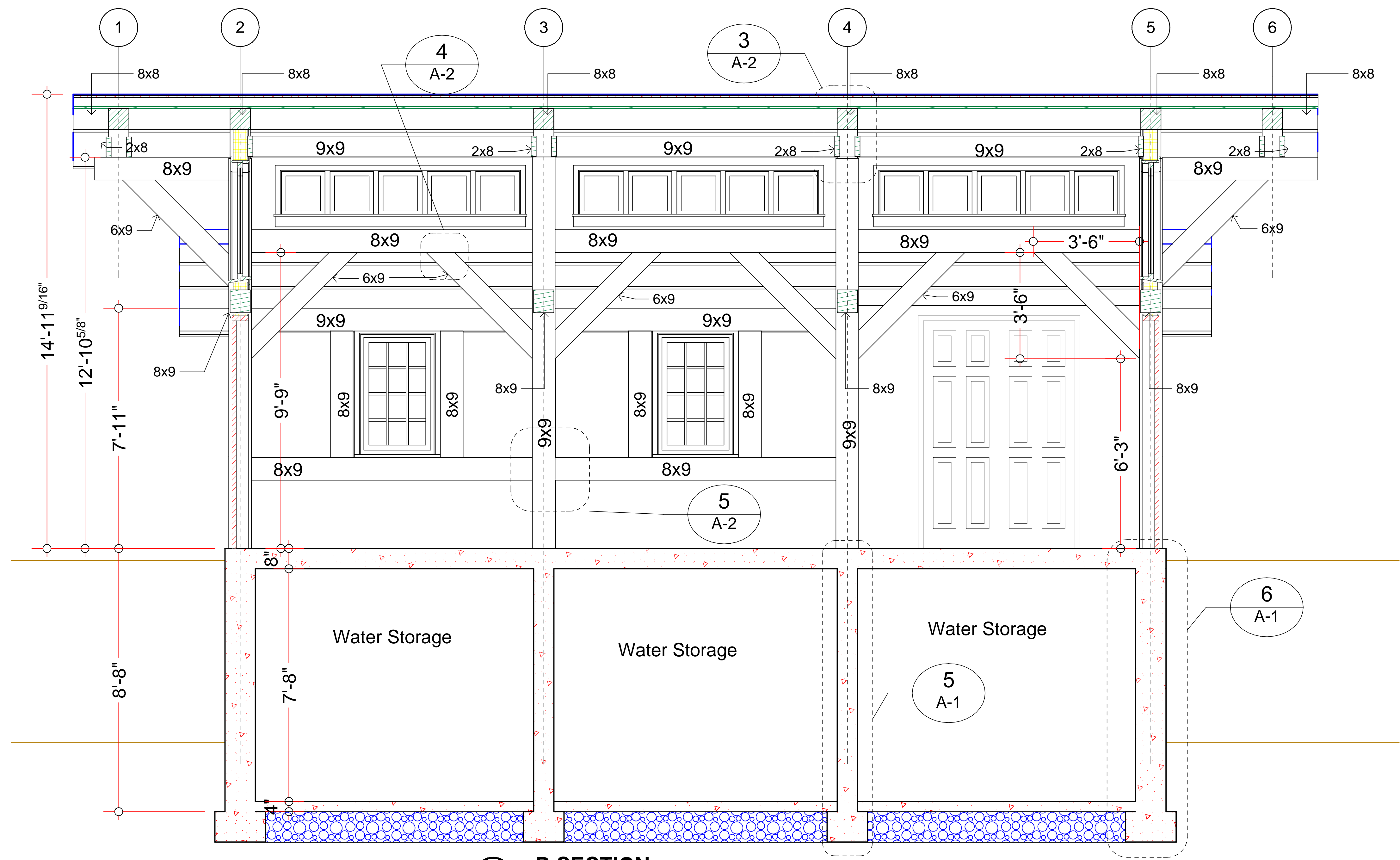
Section B

A-4

GENERAL WOOD FRAMING NOTES

- SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
- ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2003 IBC, NDS, AND LOCAL ORDINANCES.
- DIMENSIONAL LUMBER**
DIMENSIONAL LUMBER USED AS STRUCTURAL FRAMING (i.e. JOISTS, RAFTERS, HEADERS) SHALL BE DOUGLAS FIR-LARCH NO. 2 OR EQUAL.
- DIMENSIONAL LUMBER USED FOR STUD WALLS SHALL BE STUD GRADE. STUDS SHALL SPACED AT 16" O.C. MINIMUM WITH A DOUBLE TOP PLATE. SPLICES IN THE DOUBLE TOP PLATE SHALL ALTERNATE TOP AND BOTTOM. IN NO CASE SHALL 2 X 4" BEARING WALLS SUPPORT MORE THAN TWO FLOORS OF FRAMING IN ADDITION TO ROOF AND CEILING.
- ROUGH CUT TIMBER USED AS STRUCTURAL FRAMING SHALL BE AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
- ENGINEERED LUMBER**
GLU-LAMINATED BEAMS FOR SIMPLE SPANS SHALL BE 24F-V4 DF/D. GLU-LAMINATED BEAMS FOR CONTINUOUS SPANS AND CANTILEVERS SHALL BE 24F-V8 DF/D. DO NOT INSTALL GLU-LAMINATED BEAMS UPSIDE DOWN.
LAMINATED VENEER LUMBER AND THE LIKE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
I-JOISTS SHALL BE TJI OR EQUIVALENT, AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
ENGINEERED LUMBER, WITH THE EXCEPTION OF GLU-LAMINATED LUMBER, SHALL NOT BE USED IN EXTERIOR APPLICATIONS.
USE REDWOOD OR PRESSURE TREATED LUMBER FOR ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY IN CONTACT WITH EARTH (i.e. MUD SILL). IN SOME SITUATIONS, 26 GAUGE GALVANIZED SHEET METAL MAY BE PROVIDED AS AN APPROVED WATER BARRIER. SEE ENGINEER FOR APPROVAL OF THIS OPTION.
- BLOCKING, BRIDGING, MISCELLANEOUS.**
ALL JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. EACH RAFTER AND/OR ROOF TRUSS SHALL BE ANCHORED WITH SIMPSON H1 ANCHORS AT EACH END.
I-JOIST JOISTS USED AS JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT EACH BLOCK TO TOP OF EXTERIOR WALLS WITH SIMPSON A34 CLIPS. EVERY OTHER I-JOIST RAFTER SHALL BE ANCHORED WITH A SIMPSON H3 CLIP.
BRIDGING SHALL BE INSTALLED AT THE MID-SPAN OF ALL FOR FLOOR JOISTS AND/OR AT 8'-0" O.C. (WHICH EVER IS SMALLER). INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS TO AVOID EXCESSIVE FLOOR VIBRATION AND/OR SQUEAKING.
STANDARD PENETRATIONS THROUGH STRUCTURAL MEMBERS FOR MECHANICAL, PLUMBING, ELECTRICAL SYSTEMS, ETC. SHALL BE PROVIDED ON THE CENTER LINE OF THE MEMBER'S DEPTH AND WITHIN THE MIDDLE ONE-THIRD OF THE SPAN. LARGER THAN STANDARD PENETRATIONS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL.
BIRDS MOUTHS AND/OR NOTCHING OF STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS IS NOT PERMITTED WITHOUT PRIOR APPROVAL.
- COLUMNS**
ALL COLUMNS SHALL EXTEND DOWN THROUGH THE STRUCTURE TO THE FOUNDATION. COLUMNS SHALL BE BRACED AT EACH FLOOR LEVEL. COLUMNS SHALL BE AS WIDE AS THE MEMBER THEY SUPPORT IN ORDER TO PROVIDE FULL BEARING.
POSTS SHALL BE DOUGLAS FIR-LARCH NO. 1 OR EQUAL.
- FLOOR, ROOF AND WALL SHEATHING**

2 Wood framing.doc
1' = 1'-0"



1 B SECTION
1/2" = 1'-0"