WOOD FRAMING LUMBER

1. ALL LUMBER SHALL CONFORM TO A.I.T.C. CONSTRUCTION MANUAL (1974 ED.)
2. ALL FRAMING LUMBER (JOISTS, STUDS, BEAMS, RAFTERS AND POSTS) SHALL BE SURFACE DRY DOUG. FIR-LARCH, AND SHALL CONTAIN 19% OR LESS MOISTER.
3. STUDS PLATES, AND MISCELLANEOUS LUMBER:
   DOUG. FIR-LARCH:.....NO. 2 OR BETTER
   .....Fb=1450 PSI
   .....E=1.7 PSI
4. JOISTS AND RAFTERS:
   DOUG. FIR-LARCH:.....NO. 2 OR BETTER
   .....Fb=1450 PSI
   .....E=1.7 PSI
5. BEAMS, POSTS AND STRINGERS:
   DOUG. FIR-LARCH:.....NO. 2 OR BETTER
   .....Fb=1450 PSI
   .....E=1.7 PSI
6. GLUED-LAMINATED BEAMS:
   ALL GLUED LAMINATED BEAMS SHALL MEET ANSI/AITC A190.1 QUALITY STANDARDS AND THE FOLLOWING CRITERIA:
   DESIGN VALUES:.....Fb=2,400 PSI
   .....E=2.0 PSI
   .....Fv=190 PSI

   CONFIGURATION: 2400 FV-8 FOR CONTINUOUS SPANS

   SPECIES:

   MACHINE STRESS RATED (MSR) DOUG. FIR-16% MOISTURE MAXIMUM.

   APPEARANCE GRADE:

   AITC ARCHITECTURAL: EXPOSED BEAM
   AITC INDUSTRIAL: CONCEALED BEAM

   SIZES: AS CALLED OUT IN DRAWINGS.

   SURFACE: SMOOTH

STRUCTURAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT NO LESS THAN TWO WORKING DAYS PRIOR TO THE NEED FOR FIELD OBSERVATION VISITS SUCH AS BEFORE CONCRETE POURS OR SHEATHING OF WALLS ETC.
2. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY CONDITION WHICH MIGHT ENDANGER THE STRUCTURAL STABILITY OR CAUSE VISIBLE DISTRESS IN THE STRUCTURE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE BRACING AND SHORING FOR STRUCTURAL MEMBERS DURING CONSTRUCTION
4. REFER TO FRAMING PLANS FOR JOIST SIZE AND/OR RAFTER SIZE AND SPACING.
5. PROVIDE WOOD OR METAL CROSSBRIDGING/BLOCKING AT MIDSPAN OF ALL JOIST SPANS 8'-0" OR GREATER.
6. PROVIDE 3/4" T&G PLYWOOD SUBFLOOR (GLUED AND NAILED WITH 6d @ 8" O.C.) OVER ALL FLOOR JOISTS.
7. ALL EXPOSED FRAMING LUMBER SHALL BE SELECTED FOR APPEARANCE, WITH ALL MILL AND SHIPPING DEFECTS, INCLUDING GRADE STAMPS; REMOVED OR REPAIRED.
8. PROVIDE SOLID BLOCKING TO GIRDERS, AND PIERS
9. PROVIDE 2x SOLID BLOCKING AT 4'-0" O.C. FOR WALLS EXCEEDING 9'-0" IN HEIGHT FROM LOADS ABOVE.
10. PROVIDE LAMINATED DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS.
11. HOLES CUT IN STUDS FOR PIPE AND CONDUIT SHALL NOT EXCEED 1/3 THE DEPTH OF THE MEMBER. NO CUTS SHALL BE MADE IN JOISTS OR BEAMS WITHOUT APPROVAL OF ARCHITECT.
12. CONTRACTOR SHALL INSTALL ALL PREFABRICATED LAMINATED VENEER LUMBER PRODUCTS SPECIFIED PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.

FASTENERS:

1. HOLES FOR BOLTS SHALL BE DRILLED 1/32" TO 1/16" LARGER THAN BOLT DIAMETER.
2. ALL BOLTS AND NUTS AT LUMBER SURFACES SHALL BE FITTED WITH STEEL WASHERS.
3. INSTALL SIMPSON STRONG-TIE METAL FRAMING CONNECTORS AT ALL FLUSH CONNECTIONS AS REQUIRED OR WHERE SPECIFICALLY SHOWN IN THE DRAWINGS. USE SIMPSON PC OR AC SERIES CONNECTORS AT ALL COLUMN TO BEAM CONNECTIONS, SIZES TO ACCOMODATE FRAMING MEMBER INDICATED.
4. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL STEEL CONNECTORS CALLED OUT IN THE DRAWINGS ARE THE APPROPRIATE SIZE AND CONFIGURATIONS FOR THE STRUCTURAL MEMBERS USED. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING.
5. ALL NAILS SHALL BE HOT DIPPED GALVANIZED COMMON WIRE NAILS UNLESS SHOWN OTHERWISE. NAILS SHALL NOT BE DRIVEN CLOSER TOGETHER THAN 1/2 OF THEIR LENGTH OR CLOSER TO THE EDGE OF THE MEMBER THAN 1/4 OF THIER LENGTH AND SHALL BE PREDRILLED WHERE WOOD TENDS TO SPLIT. THE PENETRATION OF NAILS INTO THE PIECE RECEIVING THE POINT SHALL NOT BE LESS THAN 1/2 THE NAIL LENGTH.
   **NOTE: USE STAINLESS STEEL NAILS MADE FRON AISI GRADE 304 NICKLE/CHROMIUM ALLOY AT THE FOLLOWING EXTERIOR AREAS: WOOD SIDING AND TRIMS, STAIRS AND RAILINGS, ROOF FLASHINGD, GRAVEL STOPS, AND OTHER AREAS EXPOSED TO WEATHER, HIGH MOISTURE OR OTHER CAUSTIC CONDITIONS.
6. NAILING SCHEDULE:
   BLOCKING TO JOIST, TOE NAIL EACH END 2-8d
   TOP PLATE TO STUD, END NAIL 2-16d
   DOUBLE STUDS, FACE NAIL .....16d @ 24" O.C.
   DOUBLE TOP PLATES, FACE NAIL ..... 16d @ 24" O.C.
   TOP PLATES, LAPS, AND INTERSECTIONS, FACE NAIL 2-16d
   CONTINUOUS HEADER, TWO PIECES .....
   .....16d @ 16" O.C. ALONG EACH EDGE
   CONTINUOUS HEADER TO STUD, TOE NAIL 4-8d
   BUILT UP CORNER STUDS .....16d @ 24" O.C.
   ROOF PLYWOOD SHEATHING (NAILED TO FRAMING)
   AT EDGES .....6d @ 8" O.C.
   AT INTERMEDIATE SUPPORTS .....6d @ 12" O.C.
   FLOOR PLYWOOD SHEATHING (GLUES AND AILED TO FRAMING)
   AT EDGES .....8d @ 6" O.C.
   AT INTERMEDIATE SUPPORTS .....8d @ 8" O.C.

DESIGN CRITERIA

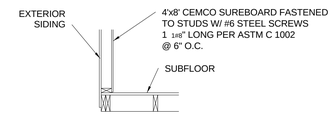
LIVE LOADS:

ROOF (PITCHES 4:12 AND GREATER) .....16 PSF
ROOF (PITCHES LESS THAN 4:12) .....20 PSF
FLOORS.....40 PSF
STAIRWAYS.....100 PSF
CORRIDORS.....100 PSF
WIND.....U.B.C. 23 PSF

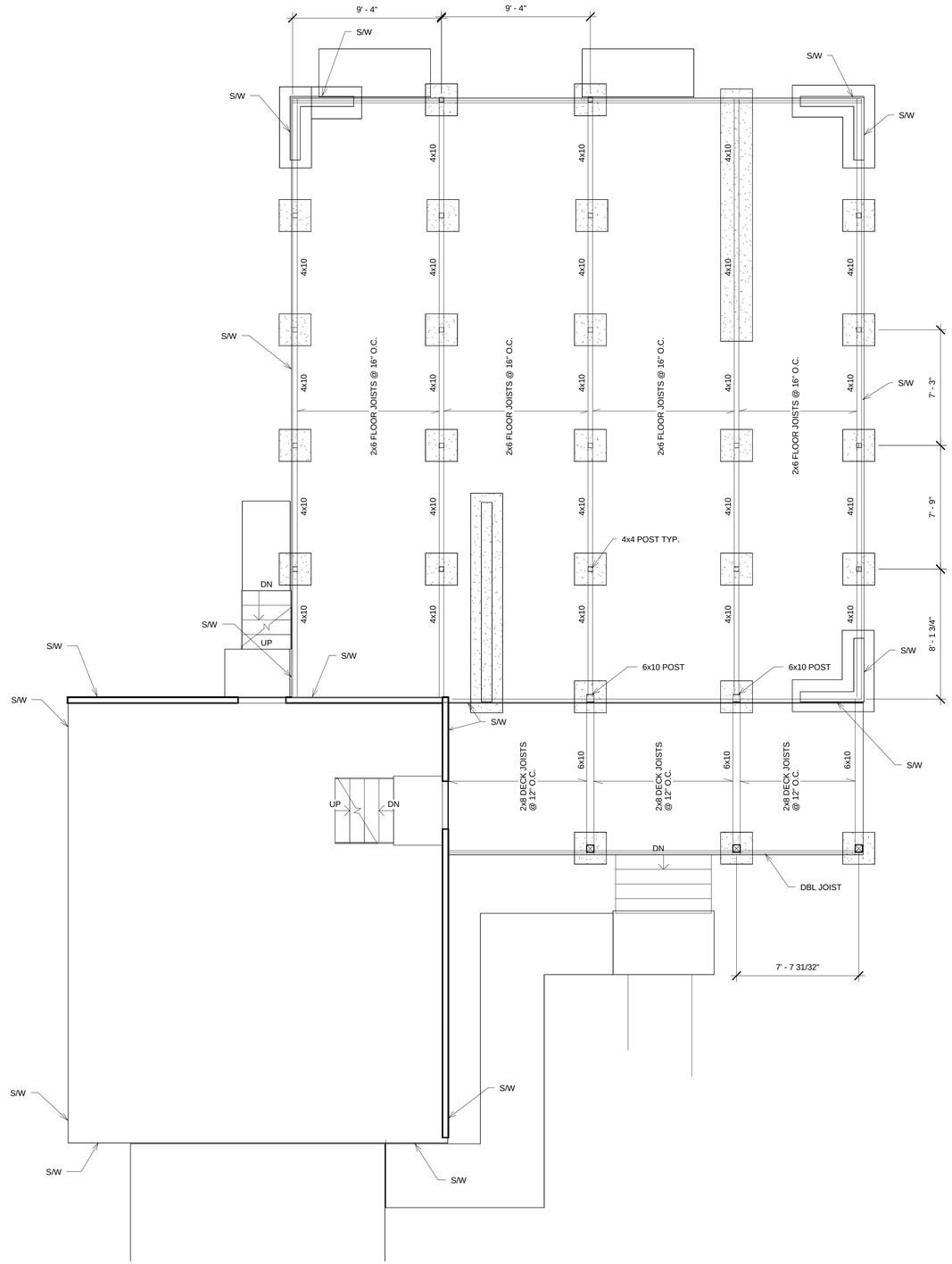
MINIMUM BASIC WIND SPEED.....80 MPH

SEISMIC ZONE.....2A

ALLOWABLE SOIL BEARING.....2000 PSF (ASSUMED)



2 SHEAR WALL DETAIL
1/2" = 1'-0"



1 FLOOR FRAMING PLAN
1/4" = 1'-0"

REV.	DESCRIPTION	DATE

SHEET TITLE: FLOOR FRAMING PLAN

PROJECT NO.: 2006016

DATE: 9/12/06

DRAWN BY: Author

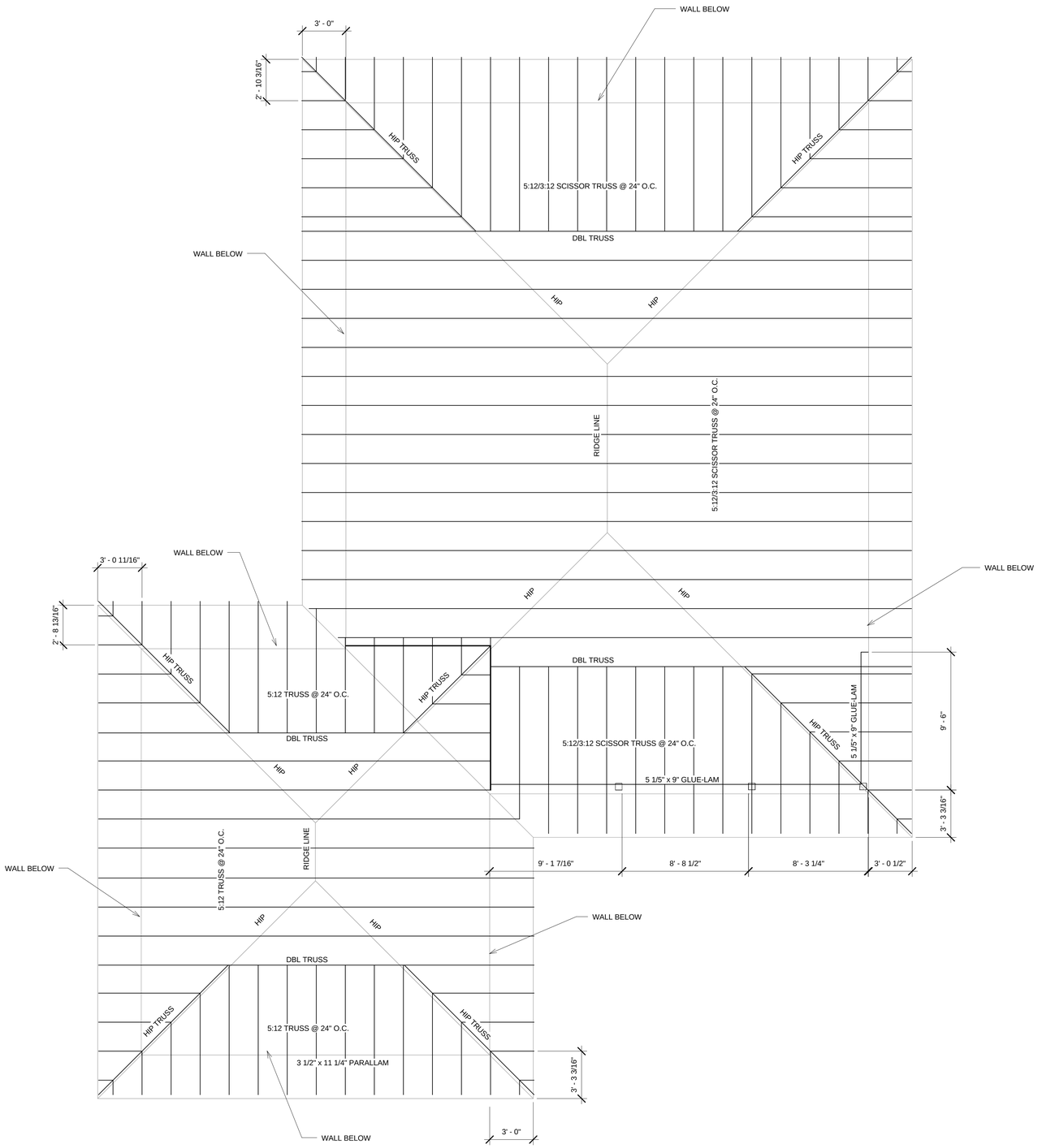
SCALE: As indicated

SHEET NO.:

S2

HEADER SCHEDULE

SPAN	MINIMUM SIZE
UP TO 2'-6"	4x6
2'-7" - 6'-0"	4x8
6'-1" - 8'-0"	4x10
GREATER THAN 8'-0"	SEE DRAWINGS



1 ROOF FRAMING PLAN
1/4" = 1'-0"

REV.	DESCRIPTION	DATE

SHEET TITLE: ROOF FRAMING PLAN

PROJECT NO.: 2006016

DATE: 9/12/06

DRAWN BY: Author

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

SHEET NO.:

S3