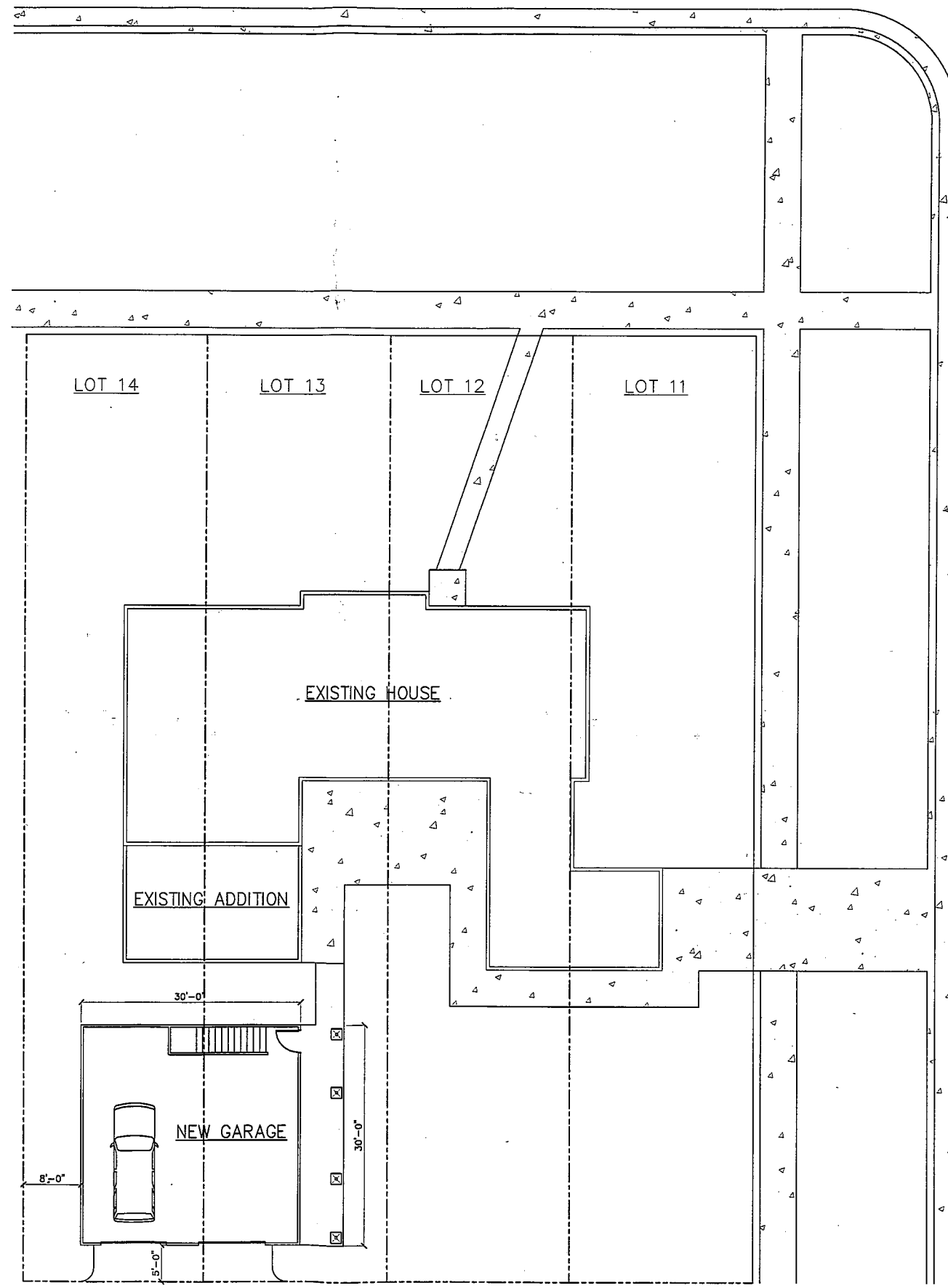


WEST BOULEVARD



ST. CLOUD STREET

ALLEY

SITE PLAN

**SCHLIMGEN DESIGN**  
 CONSULTANTS  
 INC.  
 1581 S. Keppel Ct.  
 Rapid City, SD 57701  
 605.342.2388  
 605.343.6486

PROJECT TITLE:

SHEET TITLE:  
SITE PLAN

DATE: 10/8/09

DN BY: RJT

CK BY: RS

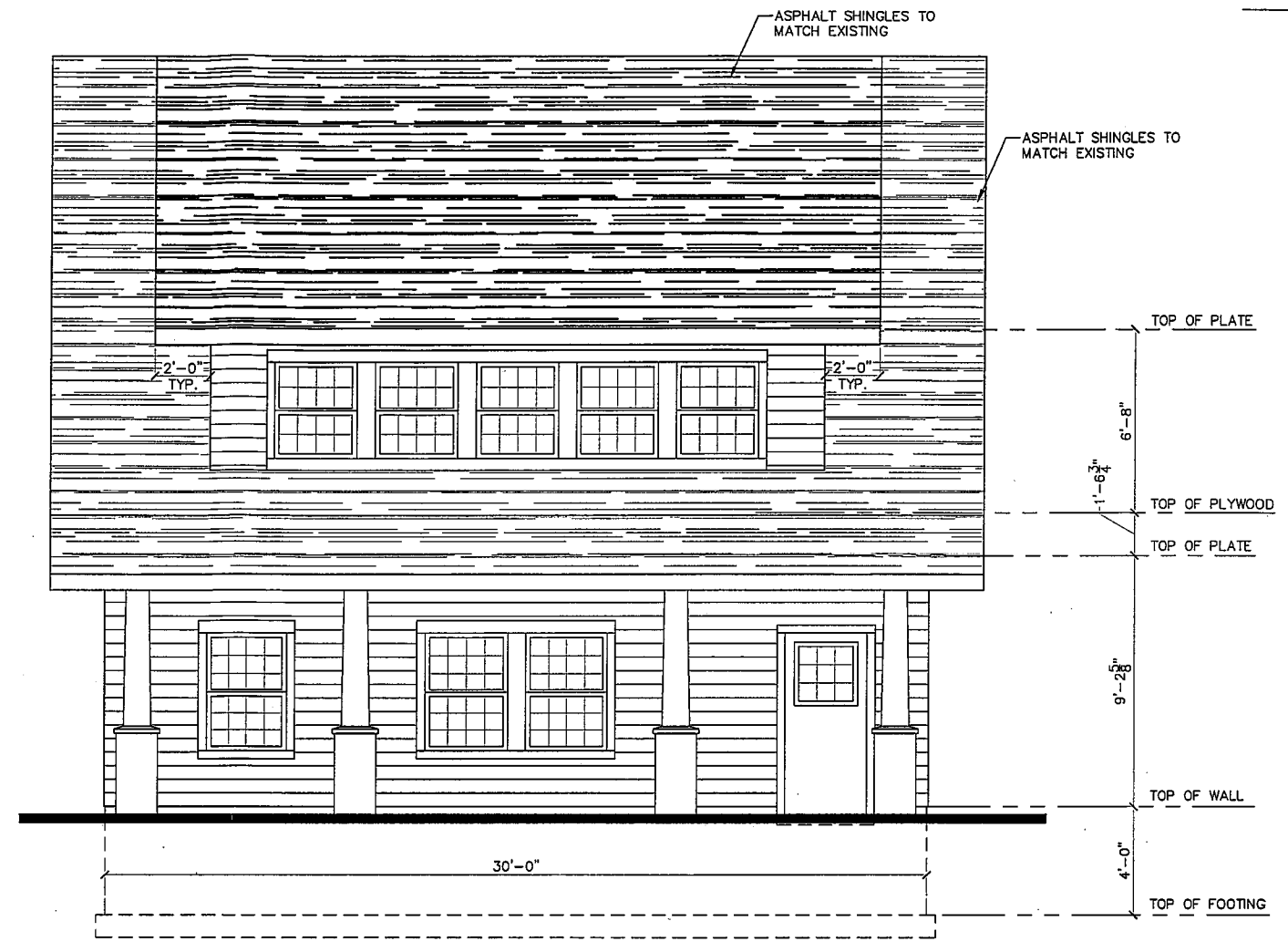
REVS:

PROJECT NUMBER:

SCALE:

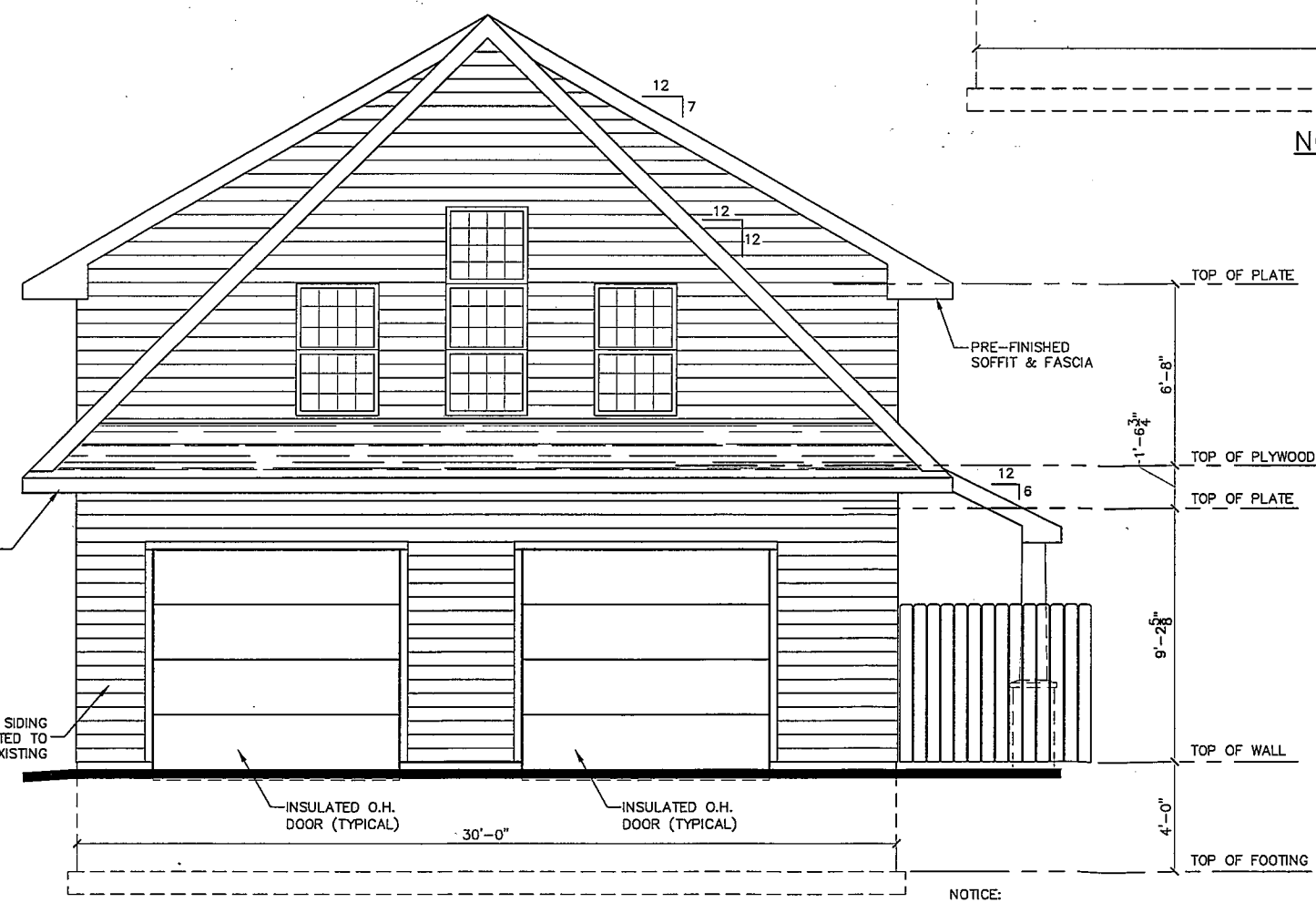
SHEET:  
0.1





**NORTH ELEVATION**

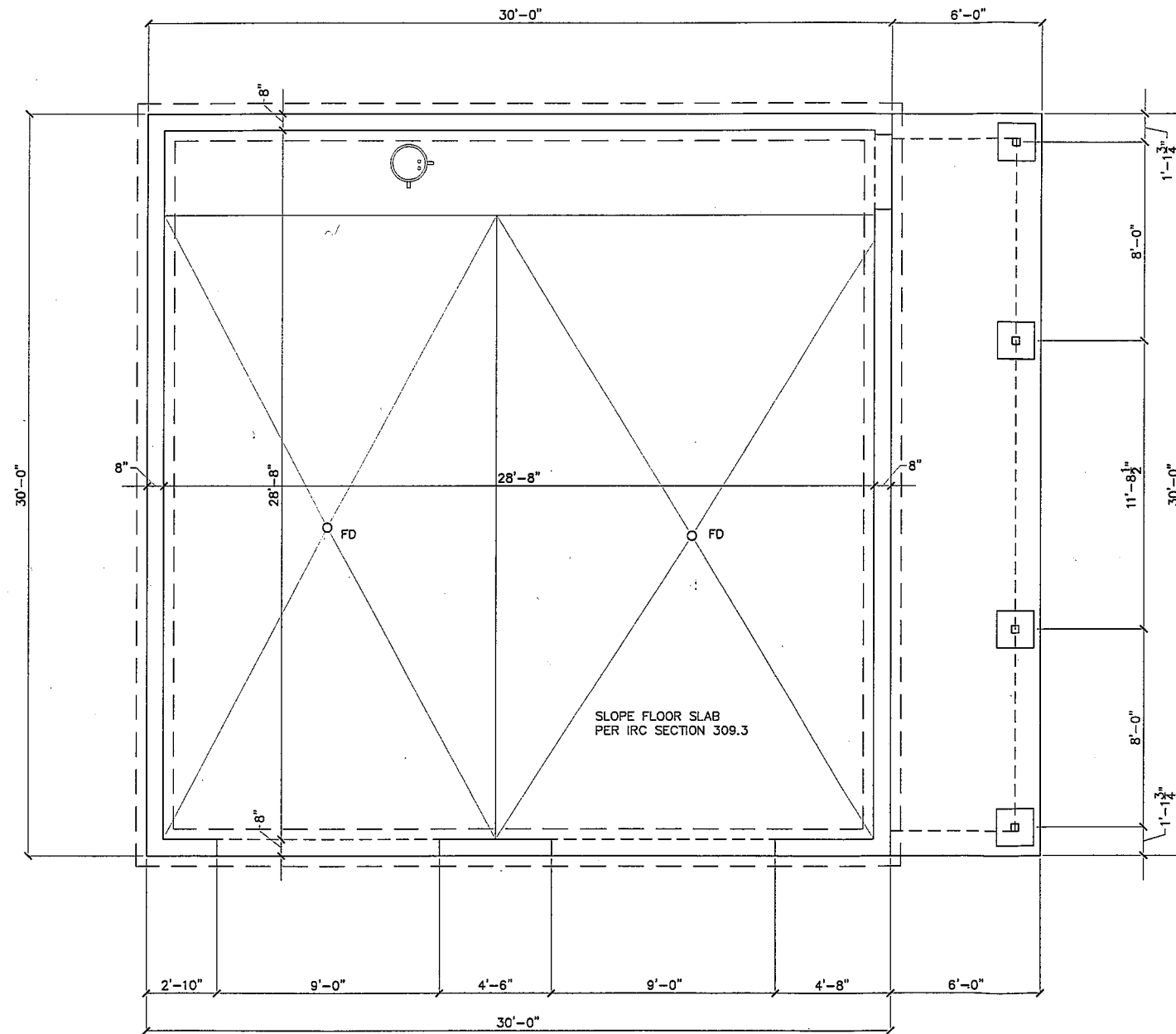
NOTICE:  
 BEFORE STARTING YOUR PROJECT MAKE SURE YOU HAVE CHECKED FOR UNDER GROUND UTILITIES ON ALL PUBLIC OR PRIVATE PROPERTY.



**EAST ELEVATION**

NOTICE:  
 PROVIDE PAVED PARKING AND DRIVE WAY PER RAPID CITY MUNICIPAL CODE SECTION 17.50.270.1

- NOTES:**
- 1) GUTTERS & DOWN SPOUTS NOT SHOWN.
  - 2) ALL WINDOWS IN BEDROOMS MUST MEET EGRESS REQUIREMENTS, AND BE EQUIPPED AND INSTALLED TO COMPLY WITH ALL EGRESS STANDARDS. (IRC SECTION 308)
  - 3) EXTERIOR FINISH, STYLE & COLOR BY OWNER.
  - 4) PROVIDE ROOF AND SOFFIT VENTS TO ADEQUETLY VENTILATE ROOF SPACE. COORDINATE SIZE OF VENT AND LOCATIONS WITH VENT MANUFACTURER. (IRC SECTION 806)
  - 5) SLOPE GRADE AWAY FROM HOUSE AND GARAGE. PROVIDE POSITIVE DRAINAGE FOR ALL GROUND WATER AND RUNOFF WATER AWAY FROM BUILDING. TYPICAL ALL SIDES.
  - 4) SHINGLE COLOR & STYLE BY OWNER.
  - 5) GRADES SHOWN ARE ASSUMED. CONTRACTOR SHALL COORDINATE FOUNDATIONS & GRADE ELEVATION w/ ACTUAL SITE CONDITIONS.
  - 6) FIRE & DRAFT STOPS REQUIRED AT FLOORS, CEILING, CHIMNEYS, SOFFITS, ETC. (IRC SECTION 602.8)
  - 7) SEAL PENETRATIONS THRU PLATES OF FLOORS, CEILINGS, ETC. (IRC SECTION 602.8)



**MINIMUM SUGGESTED FOUNDATION ANCHORAGE:**

TREATED WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SPACED AT 6' o.c. MAXIMUM. THERE SHALL BE A MINIMUM OF (2) BOLTS PER PLATE SECTION WITH (1) BOLT LOCATED NOT MORE THAN 12" OR LESS THAN (7) BOLT DIAMETERS FROM EACH END OF THE PLATE SECTION. ANCHOR BOLTS SHALL BE AT LEAST 1/2" Ø AND SHALL EXTEND A MINIMUM OF 7" INTO FOUNDATION. A NUT AND WASHER SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE. INTERIOR BEARING WALL BOTTOM PLATES SHALL BE ANCHORED WITH APPROVED FASTENERS. SILL PLATES SHALL BE PROTECTED AGAINST DECAY AS REQUIRED BY IRC SECTIONS R318, AND R319. ALL WOOD IN CONTACT w/ GRADE OR CONCRETE SHALL BE TREATED OR DECAY-INSECT RESISTANT.

**FOUNDATION PLAN**

NOTICE:  
BEFORE STARTING YOUR PROJECT MAKE SURE YOU HAVE CHECKED FOR UNDER GROUND UTILITIES ON ALL PUBLIC OR PRIVATE PROPERTY.

**PLAN NOTES:**

- 1) CONTRACTOR/SUBCONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
- 2) ALL DIMENSIONS ARE FROM ROUGH FRAME FACE OF EXTERIOR WALLS TO ROUGH FRAME FACE OF INTERIOR WALLS.
- 3) ALL WINDOW DESIGNATIONS ARE NOMINAL VERIFY ROUGH OPENING WITH MANUFACTURER. VERIFY TYPE OF DOOR AND WINDOW WITH OWNER AND GENERAL CONTRACTOR. PROVIDE EGRESS WINDOWS PER LOCAL, AND STATE CODE. CENTER WINDOWS IN WALL SPACE U.N.O.
- 4) ALL INTERIOR WALLS ARE 2x4 CONSTRUCTION UNLESS NOTED OTHERWISE AND ALL EXTERIOR WALLS ARE 2x6 CONSTRUCTION - UNLESS NOTED OTHERWISE. ALL FRAMING MEMBERS SHALL BE NO. 2 OR BETTER.
- 5) ALL TRADES TO COMPLY TO ALL STATE, COUNTY, AND LOCAL CODES AND REGULATIONS.
- 6) ALL FLOOR TRUSSES TO BE PRE-ENGINEERED AND BUILT BY A TRUSS MANUFACTURER. TRUSS MANUFACTURER TO VERIFY ALL LOADING & BEARING LOCATIONS.
- 7) ALL FLOOR TRUSSES SHALL BE BRACED AS PER TRUSS MANUFACTURERS RECOMMENDATIONS.
- 8) HANDRAIL PER IRC SECTION 311.
- 9) FIRE ESCAPE & RESCUE WINDOWS REQUIRED PER IRC SECTION 310 AND LOCAL AMMENDMENTS.
- 10) ALL WOOD FRAME CONSTRUCTION PER IRC.
- 11) ALL ROOF TRUSSES TO BE PRE-ENGINEERED AND BUILT BY A TRUSS MANUFACTURER. TRUSS MANUFACTURER TO VERIFY ALL CEILING HEIGHTS, VAULT LOCATIONS, AND BEARING POINTS w/ GENERAL CONTRACTOR PRIOR TO START OF FRAMING.
- 12) ALL WOOD IN CONTACT w/ GRADE OR CONCRETE SHALL BE TREATED OR DECAY-INSECT RESISTANT. RE: IRC SECTION R319 & R320.
- 13) INSTALL SMOKE ALARMS AS REQUIRED PER IRC SECTION R313.2

**PLAN LEGEND:**

- IRC - DENOTES APPLICABLE INTERNATIONAL RESIDENTIAL CODE. IF NO APPLICABLE IRC, USE LOCAL REQUIREMENTS. IF NO LOCAL REQUIREMENTS, USE LATEST IRC.
- R&S - DENOTES ROD AND SHELF IN CLOSET
- FD - DENOTES FLOOR DRAIN
- G.C. - DENOTES GENERAL CONTRACTOR
- † - DENOTES HOSE BIB (VERIFY LOCATIONS w/ OWNER)
- ▬ - DENOTES STEP IN FLOOR ELEVATION

**WALL BRACING LEGEND**

WALL CONSTRUCTION PER IRC R602

NOTE:  
BRACED WALL LINES 32'-0" o.c.  
BRACED WALL PANELS 25'-0" o.c.

BRACED WALL PANEL CONSTRUCTION METHODS PER R602.10.3

\* DENOTES HOLD DOWN LOCATION FOR SHEAR WALL (ALTERNATE BRACED WALL PANELS - R602.10.6)

▨ GYPSUM BOARD SHEATHING - (METHOD 5)  
(1/2" GYPSUM BOARD BOTH SIDES)

▭ WOOD STRUCTURAL WALL PANEL - (METHOD 3)

PROJECT TITLE:

RAPID CITY, SOUTH DAKOTA

SHEET TITLE:

FOUNDATION PLAN

DATE: 10/8/09

DN BY: GH

CK BY: RS

REVS:

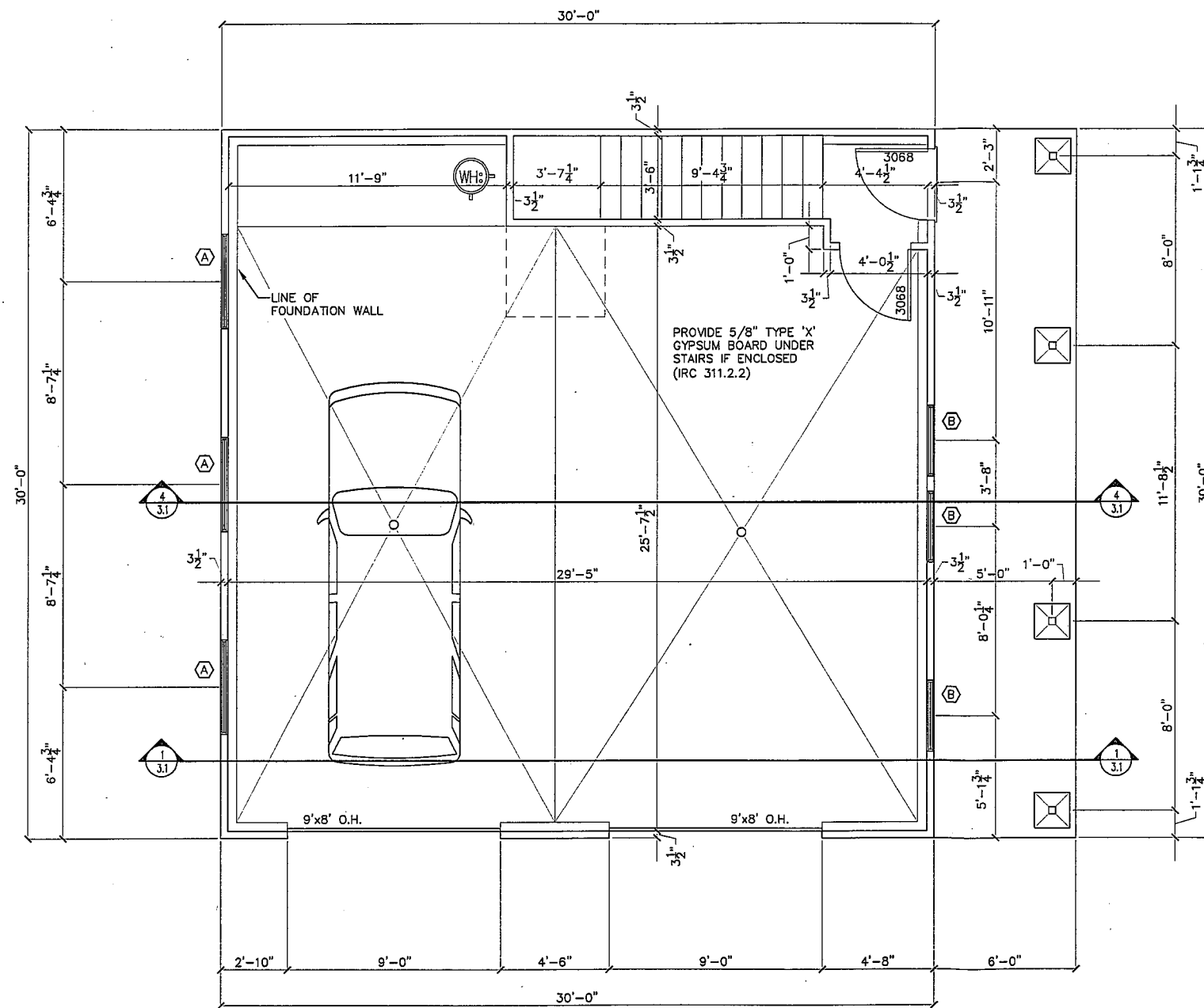
PROJECT NUMBER:

SCALE:

1/4"=1'-0"

SHEET:

2.1



MAIN FLOOR PLAN

SQUARE FOOTAGE	
GARAGE	- 900
UPPER FLOOR	- 900
<b>TOTAL</b>	<b>- 1,800</b>

**PLAN NOTES:**

- 1) CONTRACTOR/SUBCONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
- 2) ALL DIMENSIONS ARE FROM ROUGH FRAME FACE OF EXTERIOR WALLS TO ROUGH FRAME FACE OF INTERIOR WALLS.
- 3) ALL WINDOW DESIGNATIONS ARE NOMINAL VERIFY ROUGH OPENING WITH MANUFACTURER. VERIFY TYPE OF DOOR AND WINDOW WITH OWNER AND GENERAL CONTRACTOR. PROVIDE EGRESS WINDOWS PER LOCAL AND STATE CODE. CENTER WINDOWS IN WALL SPACE U.N.O.
- 4) ALL INTERIOR WALLS ARE 2x4 CONSTRUCTION UNLESS NOTED OTHERWISE AND ALL EXTERIOR WALLS ARE 2x6 CONSTRUCTION - UNLESS NOTED OTHERWISE. ALL FRAMING MEMBERS SHALL BE NO. 2 OR BETTER.
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- 8) HANDRAIL PER IRC SECTION 311.
- 9) FIRE ESCAPE & RESCUE WINDOWS REQUIRED PER IRC SECTION 310 AND LOCAL AMMENDMENTS.
- 10) ALL WOOD FRAME CONSTRUCTION PER IRC.
- 11) ALL ROOF TRUSSES TO BE PRE-ENGINEERED AND BUILT BY A TRUSS MANUFACTURER. TRUSS MANUFACTURER TO VERIFY ALL CEILING HEIGHTS, VAULT LOCATIONS, AND BEARING POINTS w/ GENERAL CONTRACTOR PRIOR TO START OF FRAMING.
- 12) ALL WOOD IN CONTACT w/ GRADE OR CONCRETE SHALL BE TREATED OR DECAY-INSECT RESISTANT. RE: IRC SECTION R319 & R320.
- 13) INSTALL SMOKE ALARMS AS REQUIRED PER IRC SECTION R313.2

**PLAN LEGEND:**

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- FD - DENOTES FLOOR DRAIN
- G.C. - DENOTES GENERAL CONTRACTOR
- † - DENOTES HOSE BIB (VERIFY LOCATIONS w/ OWNER)
- ▬ - DENOTES STEP IN FLOOR ELEVATION

**WALL BRACING LEGEND**

WALL CONSTRUCTION PER IRC R602

NOTE:  
BRACED WALL LINES 32'-0" o.c.  
BRACED WALL PANELS 25'-0" o.c.

BRACED WALL PANEL CONSTRUCTION METHODS PER R602.10.3

\* DENOTES HOLD DOWN LOCATION FOR SHEAR WALL (ALTERNATE BRACED WALL PANELS - R602.10.6)

▨ GYPSUM BOARD SHEATHING - (METHOD 5)  
(1/2" GYPSUM BOARD BOTH SIDES)

▭ WOOD STRUCTURAL WALL PANEL - (METHOD 3)

**SCHLIMMIGEN DESIGN**  
CONSULTANTS  
1551 E. KIRKSTADT CT.  
RAPID CITY, SD 57701  
605.343.2888 FAX  
605.343.6456 FAX

PROJECT TITLE:

RAPID CITY, SOUTH DAKOTA

SHEET TITLE:

MAIN FLOOR PLAN

DATE: 10/8/09

DN BY: GH

CK BY: RS

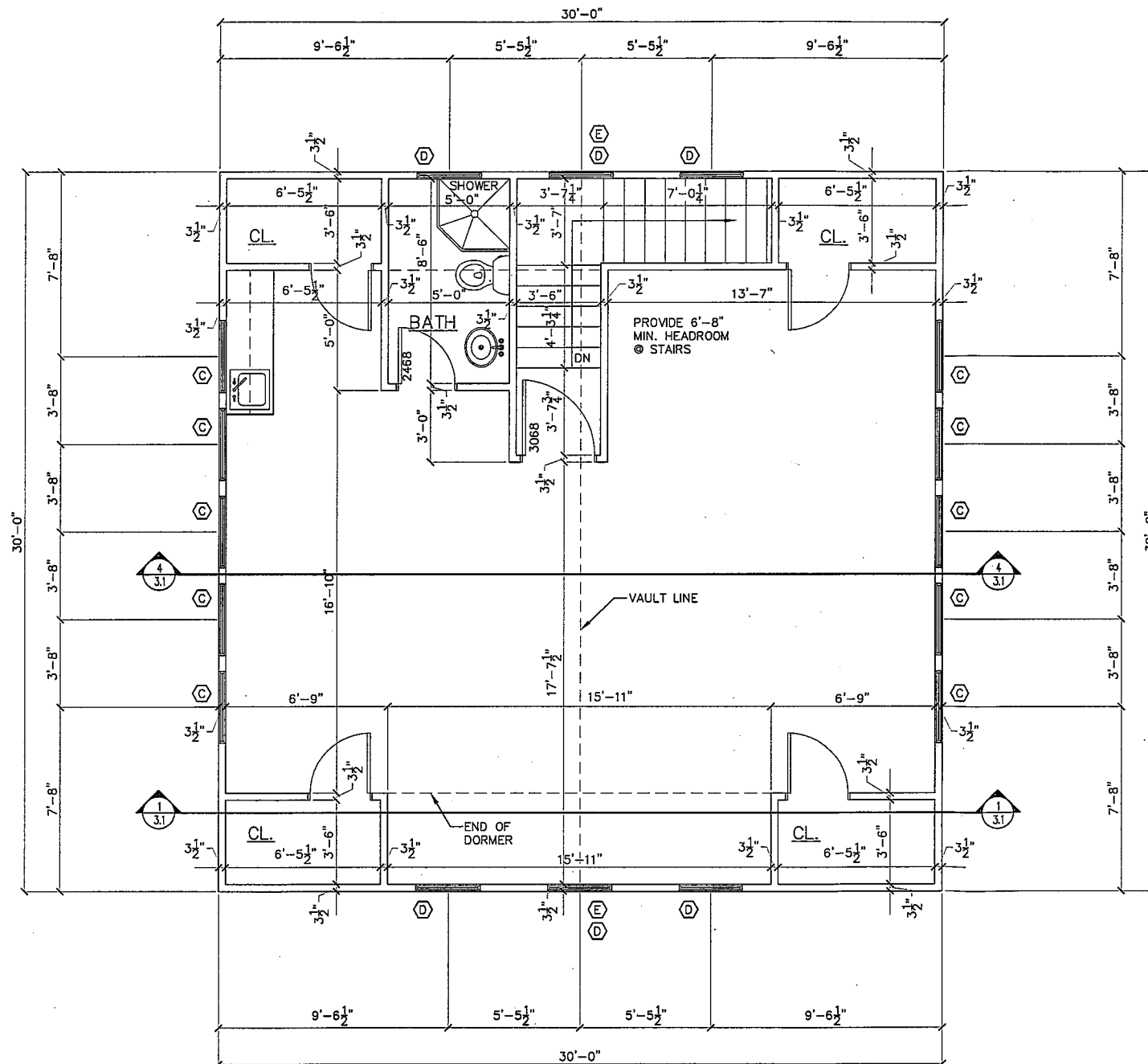
REVS:

PROJECT NUMBER:

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

SHEET:

2.2



UPPER FLOOR PLAN

**PLAN NOTES:**

- 1) CONTRACTOR/SUBCONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
- 2) ALL DIMENSIONS ARE FROM ROUGH FRAME FACE OF EXTERIOR WALLS TO ROUGH FRAME FACE OF INTERIOR WALLS.
- 3) ALL WINDOW DESIGNATIONS ARE NOMINAL VERIFY ROUGH OPENING WITH MANUFACTURER. VERIFY TYPE OF DOOR AND WINDOW WITH OWNER AND GENERAL CONTRACTOR. PROVIDE EGRESS WINDOWS PER LOCAL, AND STATE CODE. CENTER WINDOWS IN WALL SPACE U.N.O.
- 4) ALL INTERIOR WALLS ARE 2x4 CONSTRUCTION UNLESS NOTED OTHERWISE AND ALL EXTERIOR WALLS ARE 2x6 CONSTRUCTION - UNLESS NOTED OTHERWISE. ALL FRAMING MEMBERS SHALL BE NO. 2 OR BETTER.
- 5) ALL TRADES TO COMPLY TO ALL STATE, COUNTY, AND LOCAL CODES AND REGULATIONS.
- 6) ALL FLOOR TRUSSES TO BE PRE-ENGINEERED AND BUILT BY A TRUSS MANUFACTURER. TRUSS MANUFACTURER TO VERIFY ALL LOADING & BEARING LOCATIONS.
- 7) ALL FLOOR TRUSSES SHALL BE BRACED AS PER TRUSS MANUFACTURERS RECOMMENDATIONS.
- 8) HANDRAIL PER IRC SECTION 311.
- 9) FIRE ESCAPE & RESCUE WINDOWS REQUIRED PER IRC SECTION 310 AND LOCAL AMMENDMENTS.
- 10) ALL WOOD FRAME CONSTRUCTION PER IRC.
- 11) ALL ROOF TRUSSES TO BE PRE-ENGINEERED AND BUILT BY A TRUSS MANUFACTURER. TRUSS MANUFACTURER TO VERIFY ALL CEILING HEIGHTS, VAULT LOCATIONS, AND BEARING POINTS w/ GENERAL CONTRACTOR PRIOR TO START OF FRAMING.
- 12) ALL WOOD IN CONTACT w/ GRADE OR CONCRETE SHALL BE TREATED OR DECAY-INSECT RESISTANT. RE: IRC SECTION R319 & R320.
- 13) INSTALL SMOKE ALARMS AS REQUIRED PER IRC SECTION R313.2

**PLAN LEGEND:**

- IRC - DENOTES APPLICABLE INTERNATIONAL RESIDENTIAL CODE. IF NO APPLICABLE IRC, USE LOCAL REQUIREMENTS. IF NO LOCAL REQUIREMENTS, USE LATEST IRC.
- R&S - DENOTES ROD AND SHELF IN CLOSET
- FD - DENOTES FLOOR DRAIN
- G.C. - DENOTES GENERAL CONTRACTOR
- † - DENOTES HOSE BIB (VERIFY LOCATIONS w/ OWNER)
- ▬ - DENOTES STEP IN FLOOR ELEVATION

**WALL BRACING LEGEND**

WALL CONSTRUCTION PER IRC R602

NOTE:  
BRACED WALL LINES 32'-0" o.c.  
BRACED WALL PANELS 25'-0" o.c.

BRACED WALL PANEL CONSTRUCTION METHODS PER R602.10.3

\* DENOTES HOLD DOWN LOCATION FOR SHEAR WALL (ALTERNATE BRACED WALL PANELS - R602.10.6)

▨ GYPSUM BOARD SHEATHING - (METHOD 5)  
(1/2" GYPSUM BOARD BOTH SIDES)

▭ WOOD STRUCTURAL WALL PANEL - (METHOD 3)

PROJECT TITLE:

RAPID CITY, SOUTH DAKOTA

SHEET TITLE:

UPPER FLOOR PLAN

DATE: 10/8/09

DN BY: GH

CK BY: RS

REVS:

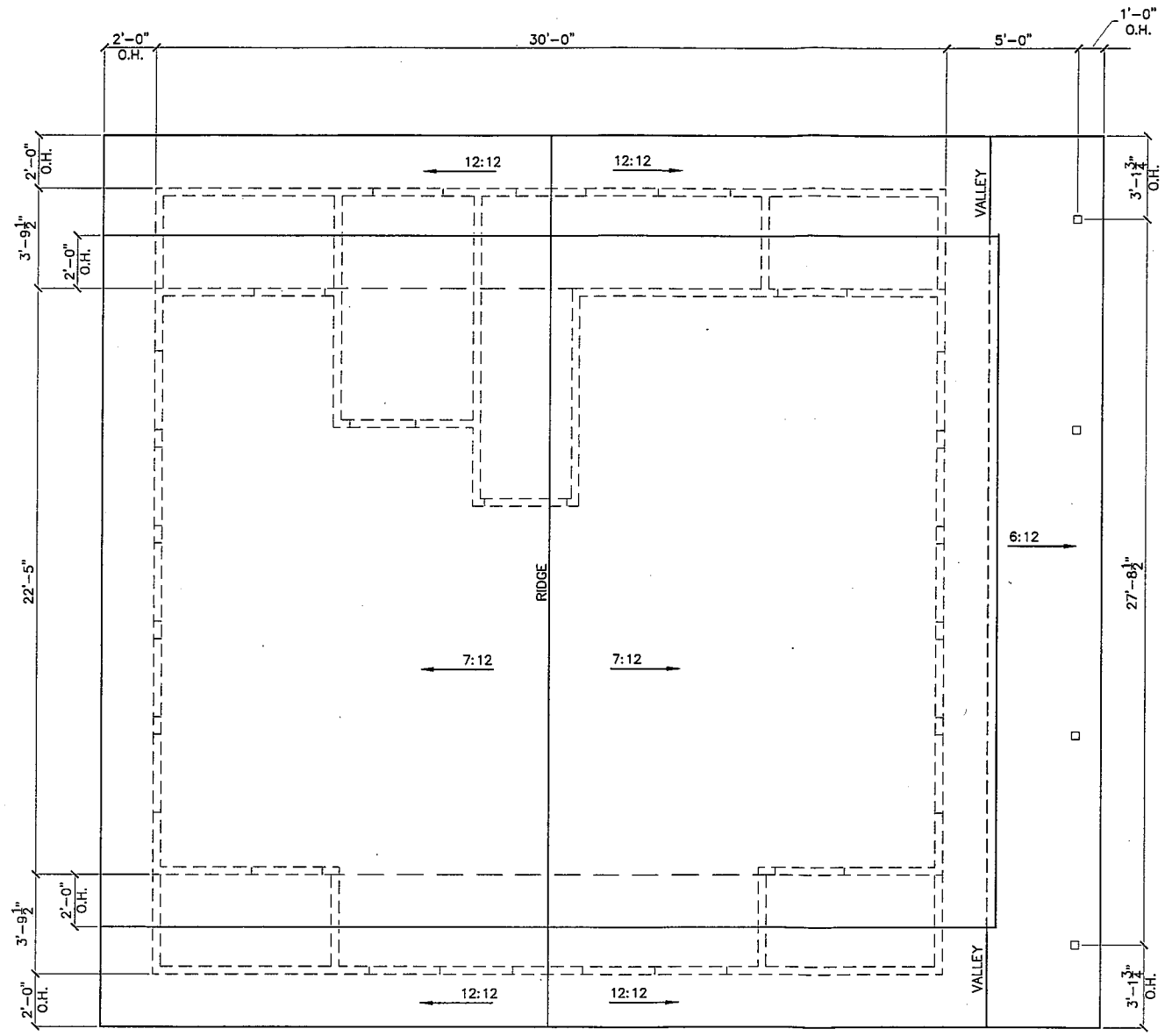
PROJECT NUMBER:

SCALE:

1/4"=1'-0"

SHEET:

2.3



**ROOF PLAN**

- NOTES:
- TRUSS MANUFACTURER TO VERIFY ALL LOADING & BEARING LOCATIONS.
  - ROOF PLAN SHOWN WAS USED FOR COMPLETING DESIGN CONCEPT IN THESE DRAWINGS, AND SHALL BE MODIFIED AS NECESSARY BY ROOF TRUSS DESIGNER/MANUFACTURER.
  - SEE TRUSS MANUFACTURER FOR ROOF FRAMING DESIGN & SHOP DRAWINGS.
  - PROVIDE ATTIC VENTILATION PER IRC 806
  - PROVIDE ICE & WATER SHIELD PER IRC 905.2.7
  - VERIFY ALL RIDGE VENT SIZES w/ GENERAL CONTRACTOR.
  - HEADERS & LINTEL DESIGN TO BE PROVIDED BY GENERAL CONTRACTOR (TYPICAL)

**SCHLIMMIGEN DESIGN**  
CONSULTANTS  
INC.

1551 S. Keppel Ct.  
Rapid City, SD 57701

605.342.3388 PR  
605.343.6456 FAX

PROJECT TITLE:  
**RAPID CITY, SOUTH DAKOTA**

SHEET TITLE:  
**ROOF PLAN**

DATE: 10/8/09

DN BY: GH

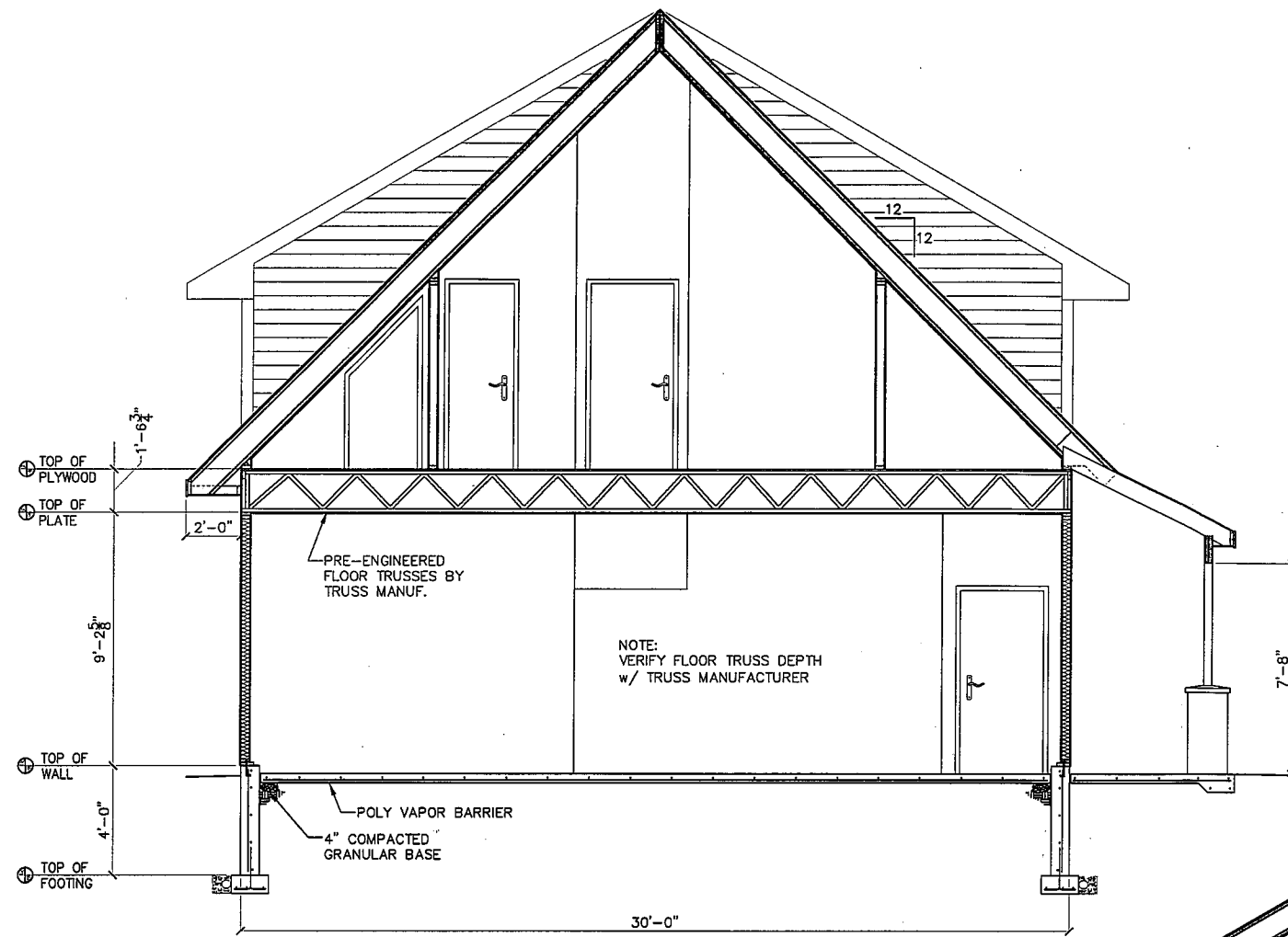
CK BY: RS

REVS:

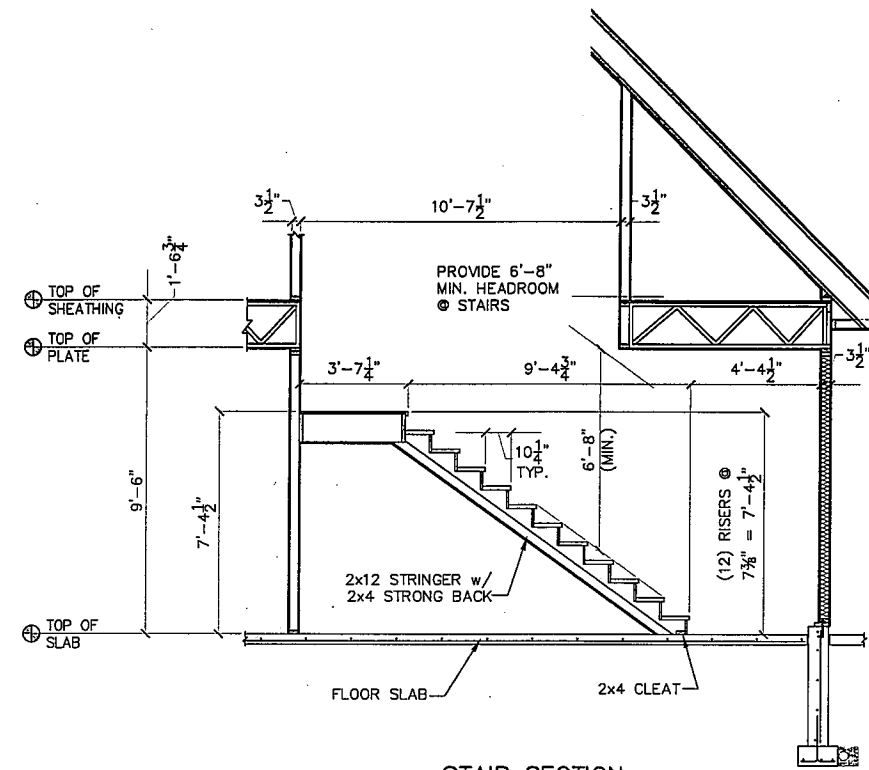
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SCALE:  
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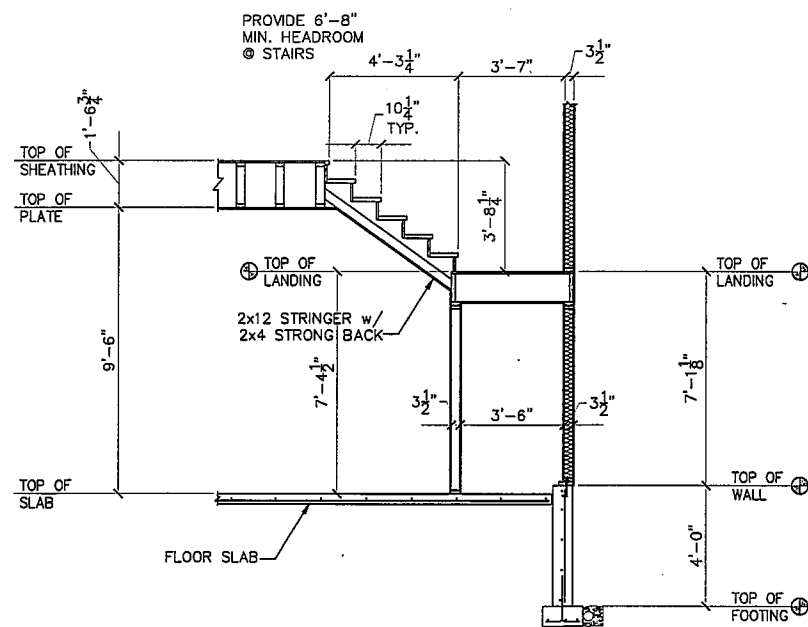
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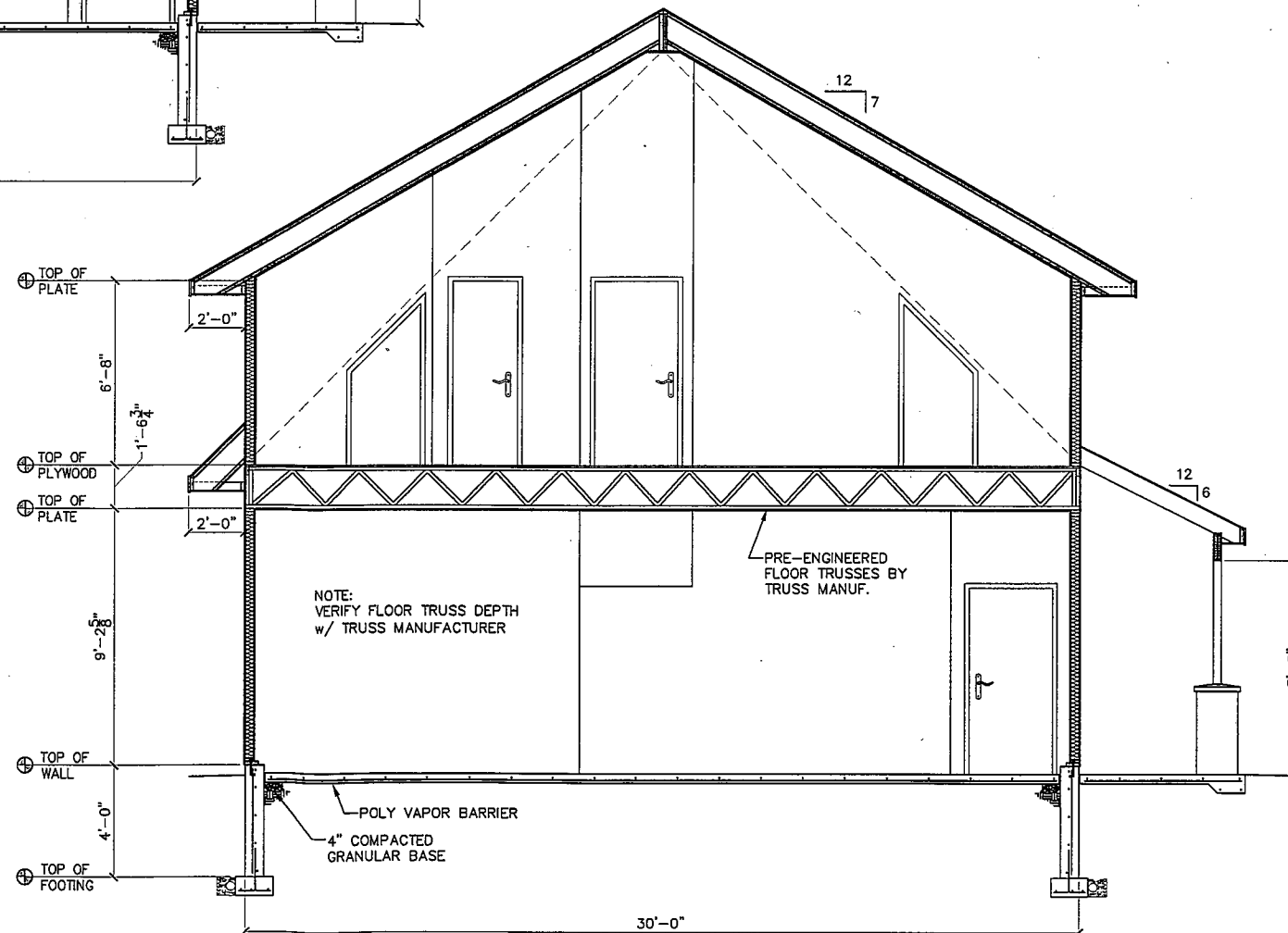
**1 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



**2 STAIR SECTION**  
SCALE: 1/4" = 1'-0"



**3 STAIR SECTION**  
SCALE: 1/4" = 1'-0"



**4 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

PROJECT TITLE:

RAPID CITY, SOUTH DAKOTA

SHEET TITLE:  
**BUILDING & STAIR SECTIONS**

DATE: 10/8/09

DN BY: GH

CK BY: RS

REVS:

PROJECT NUMBER:

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

SHEET:  
3.1