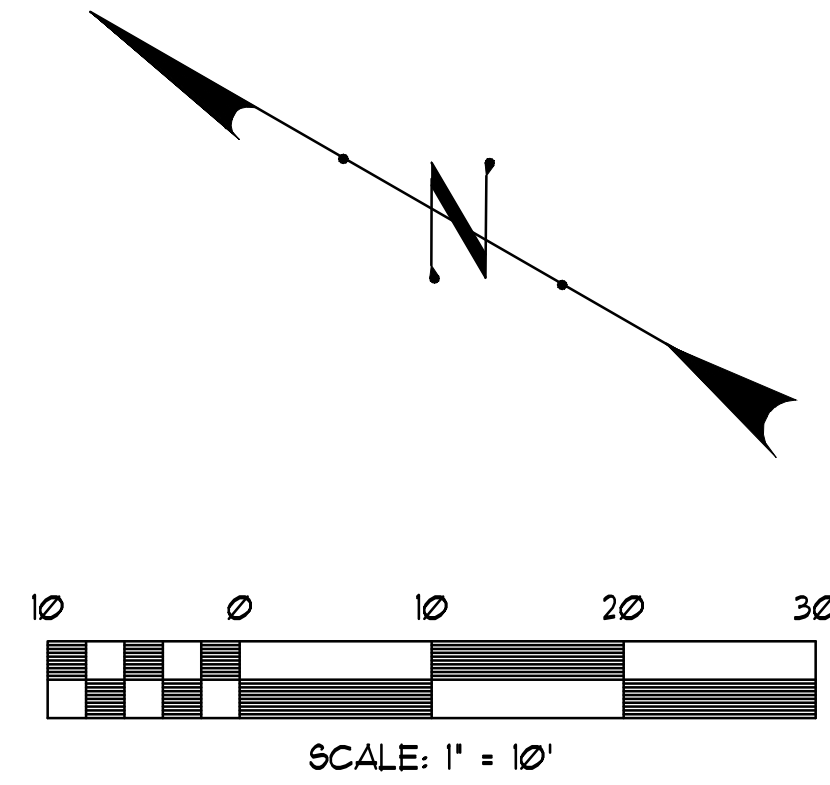


CONTRACTOR NOTE:

ALL GRADES TO BE SUCH THAT ALL DRAINAGE DRAINS AWAY FROM NEW HOME AS PER CODE (I.E. MIN. 6" IN FIRST 10'-0" FROM ALL SIDES, 2% THEREAFTER) AND THEN DRAINS TO THE NORTH/SOUTH OF LOT. EXISTING GRADES AT LOT CORNERS TO REMAIN UNCHANGED. (FRENCH DRAINS TO BE INSTALLED AS PER CODE AT OWNER'S DISCRETION.)

GRADING PLAN NOTES:

THIS GRADING PLAN IS TO BE WORKED WITH 'IMPROVEMENT PLAN' DRAWING PROVIDED BY LANDMARK SURVEYING INC. FOR THE SEPTIC SYSTEM. ALL GRADING OR TOPOGRAPHY LINES HAVE BEEN TAKEN FROM THIS DRAWING. WORK THIS DRAWING W/ GEOSTRATA GEOTECHNICAL DOCUMENTS, JOB NO. 910-001. ROCK/ BOULDER WALLS AT REAR OF HOUSE TO BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND DETAILS PROVIDED BY GEOSTRATA.

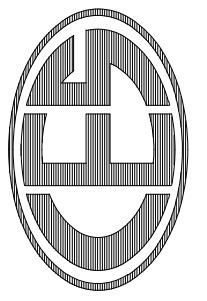


- LOT BOUNDARY
- BUILDING PAD
- PUBLIC UTILITY EASEMENT
- DRAINAGE EASEMENT
- ROAD EASEMENT
- EXISTING GRADE
- PROPOSED GRADE
- SEWER
- FENCE

GRADING PLAN

SCALE: 1" = 10'-0"
 LOT #1R @ DAUPHINE'-SAVOY'-PIEDMONT SUBDIVISION
 6498 SOUTH BYBEE DRIVE
 WEBER COUNTY, UTAH
 49,453 SQ. FT. (1.135 ACRES)

LENGTH OF DRIVEWAY = CL FROM FRONT OF GARAGE TO CURB + GUTTER @ STREET = 13.25' (±)
 RISE OF DRIVEWAY OVER THE SAME DISTANCE = 4.49' (±)
 THEREFORE DRIVEWAY SLOPE = 4.49/13.25 = 6.35% (±)




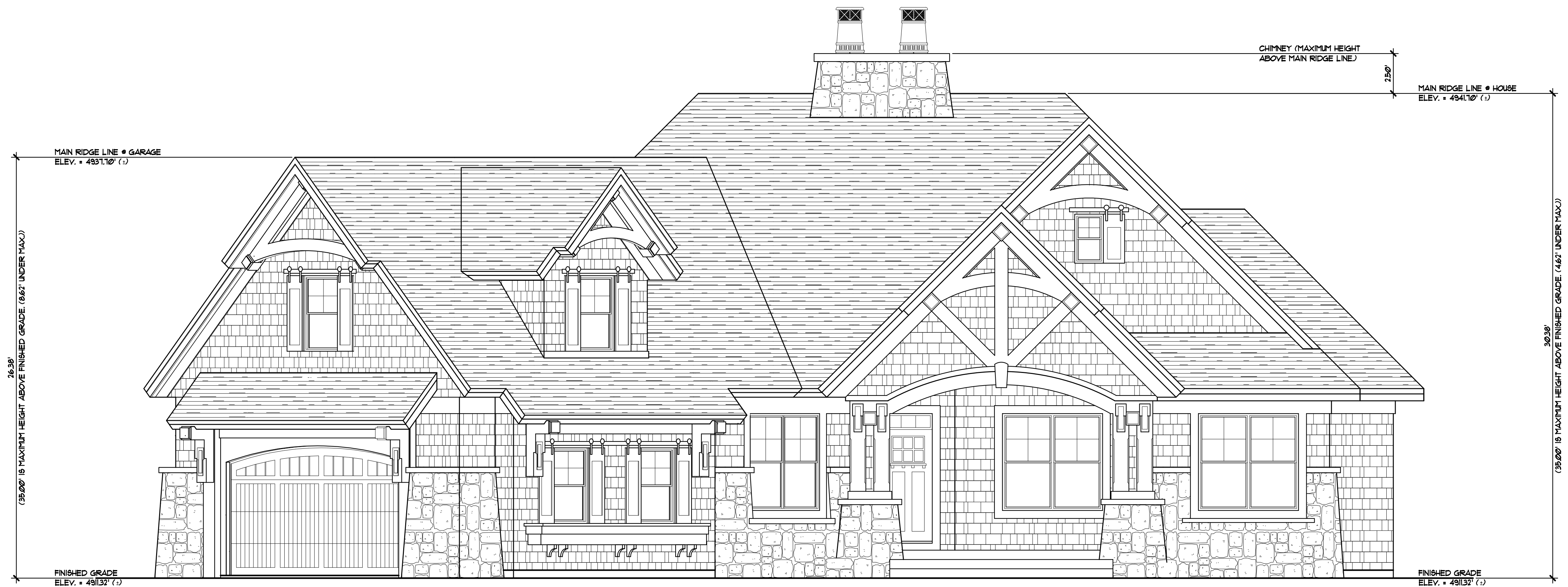
Carlson Engineering Services, Inc.
 Structural Engineering Services
 380 North 200 West, Suite #10
 Bountiful, Utah 84010
 Phone: (801) 736-2184
 Fax: (801) 736-6253

GRADING PLAN

RASMUSSEN RESIDENCE
 LOT #1R @ DAUPHINE'-SAVOY'-PIEDMONT SUBDIVISION
 6498 SOUTH BYBEE DRIVE
 WEBER COUNTY, UTAH

RELEASE DATE:	03/03/11
REVISIONS:	
date:	item:
04/06/11	PERMIT SET
DRAWN BY:	JOE HANTER
NO. OF SHEETS:	1 OF 2



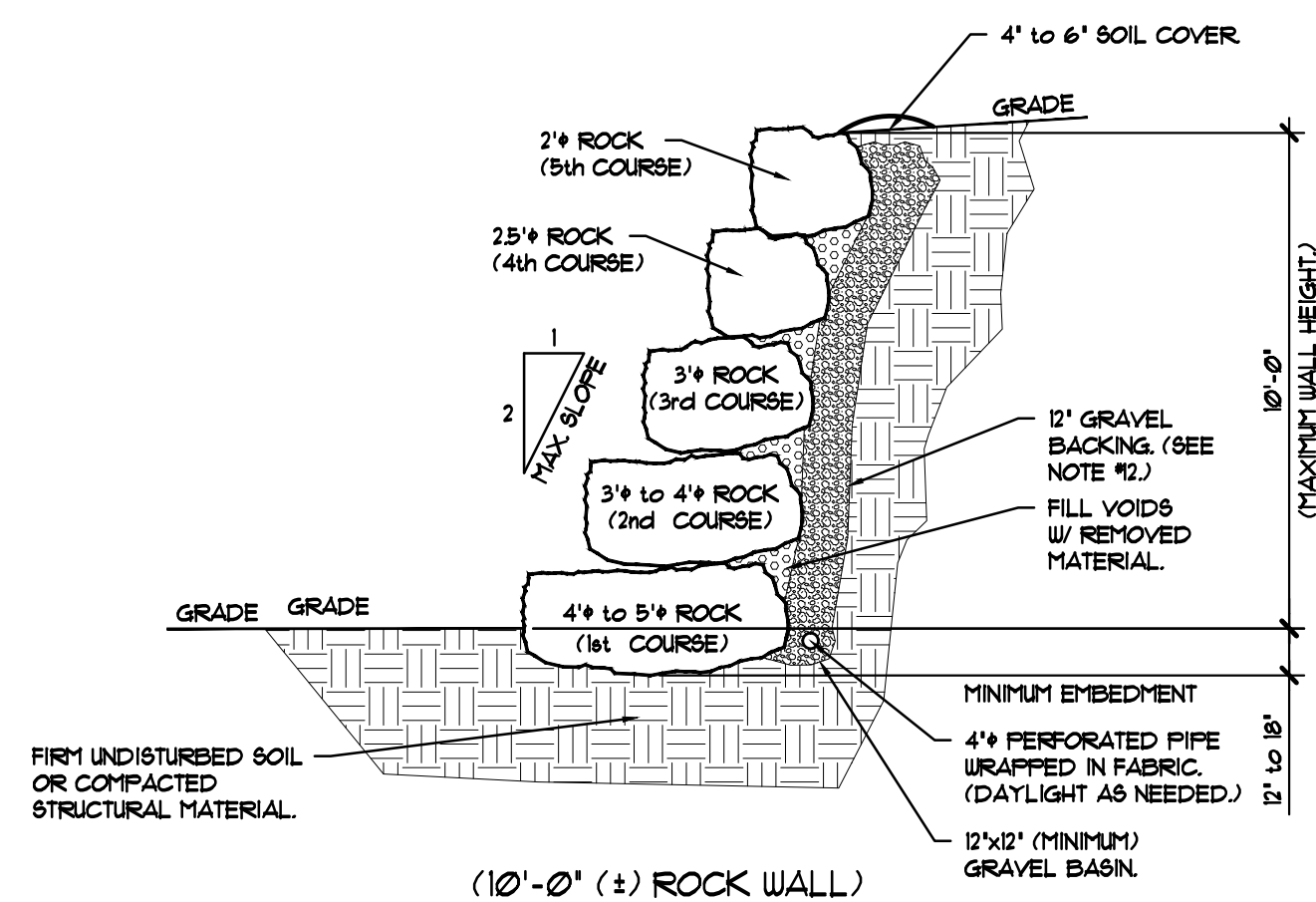


FRONT ELEVATION

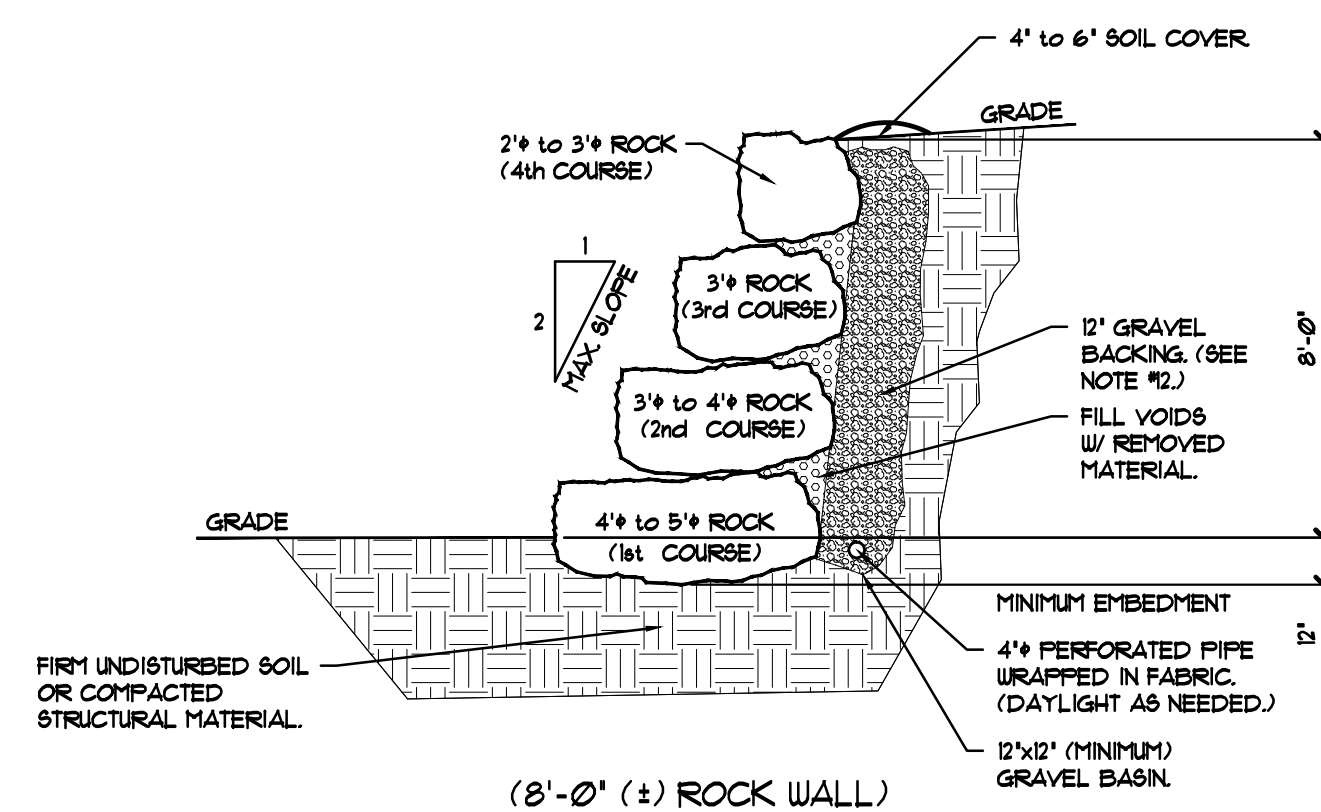
SCALE: 1/4" = 1'-0"

RETAINING WALL NOTES:

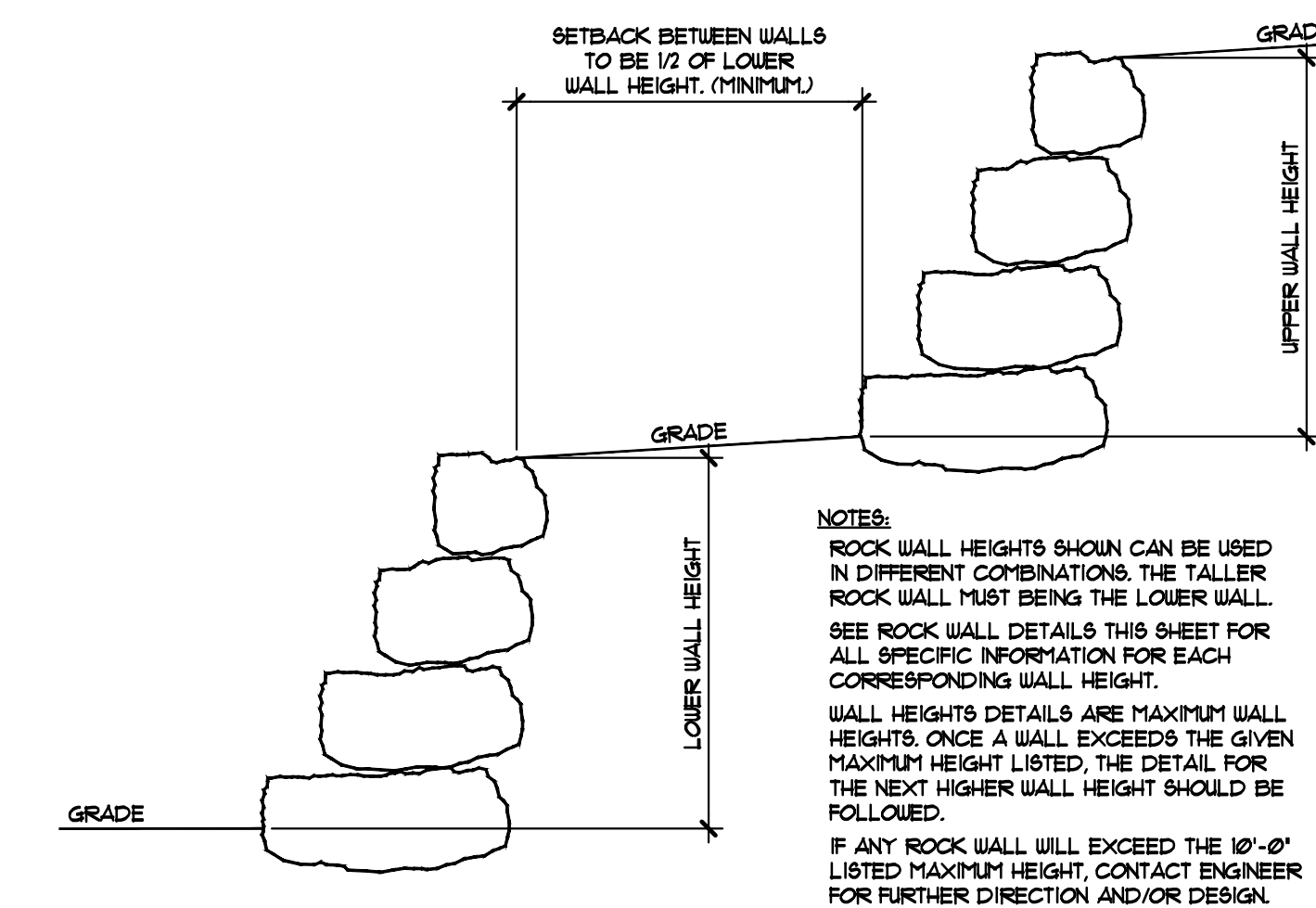
THESE ROCK/ BOULDER RETAINING WALL DETAILS ARE APPLICABLE FOR FRONT SIDE AND SIDE YARD LANDSCAPING RETAINING WALLS ONLY! ALL REAR ROCK/ BOULDER RETAINING WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND DETAILS PROVIDED BY GEOSTRATA GEOTECHNICAL DOCUMENTS, JOB NO. 910-001.



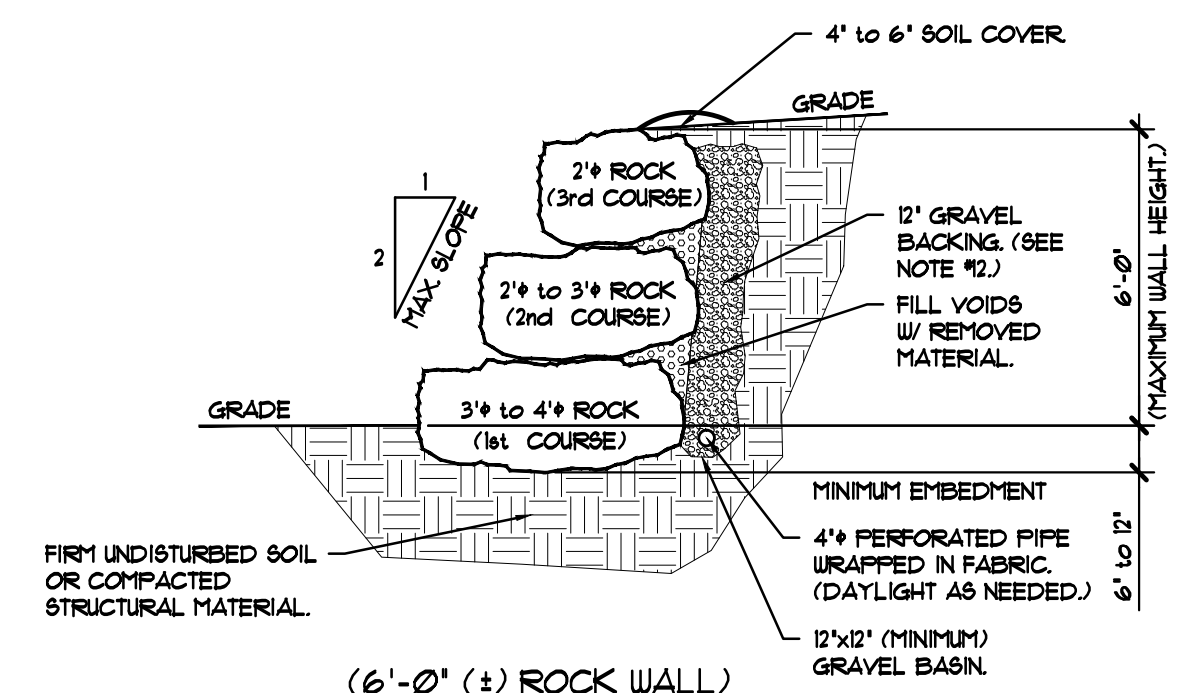
D SECTION THRU ROCK WALL
GP2 SCALE: NONE



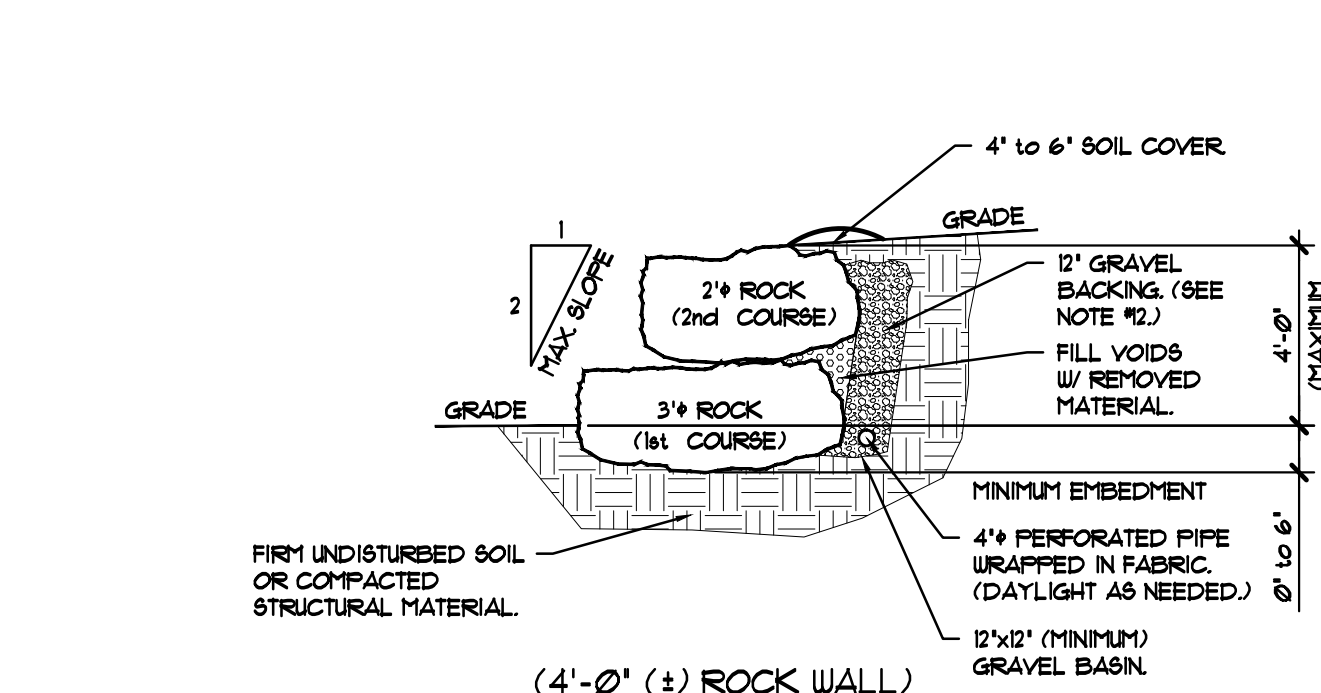
C SECTION THRU ROCK WALL
GP2 SCALE: NONE



E SECTION THRU TWO TIER ROCK WALL
GP2 SCALE: NONE



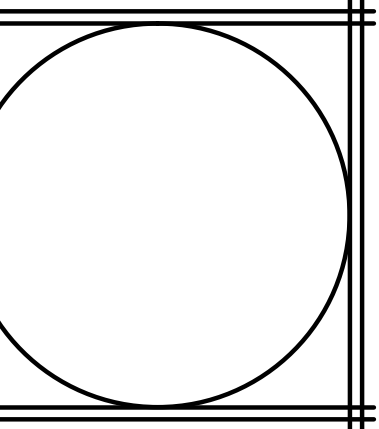
B SECTION THRU ROCK WALL
GP2 SCALE: NONE



A SECTION THRU ROCK WALL
GP2 SCALE: NONE

ROCK WALL NOTES:

- SOIL SLOPES SHALL BE FREE DRAINING (SANDY GRAVELS) WITH MINIMAL AMOUNTS OF CLAY. FABRIC REQUIRED FOR ALL WALLS OVER 4'-0" EXCEPT FOR WELL GRADED GRAVEL WITH FINES.
- ROCKS SHALL BE ANGULAR GRANITE OR DOLOMITE STONES OR SIMILAR HARDNESS, EACH ARE TO BE NON-SOLUBLE, HARD AND DURABLE.
- ROCKS SHALL BE KEPT TOGETHER AND INTERLOCKED WITH LOWER ROCKS.
- BASE ROCKS SHALL BE BURIED TO THE DEPTHS SHOWN.
- EARTH SHALL BE THOROUGHLY COMPACTED BEFORE PLACEMENT OF ROCKS.
- THE BUILDING OFFICIAL SHALL REQUIRE A SOILS REPORT PREPARED BY A LICENCED GEOTECHNICAL ENGINEER WHERE WATER IS ENCOUNTERED OR WHERE FINE GRAINED (CLAY) SOILS EXIST. NO CLAY SOILS MAY BE PLACED WITHIN 24" BEHIND ROCK WALLS.
- BASE ROCK DIAMETERS SHALL NOT BE LESS THAN 3'-6", EXCEPT FOR WALLS LESS THAN 4'-0" IN HEIGHT. UPPER ROCKS SHALL NOT BE LESS THAN 2'-0" DIAMETER.
- STEPPED ROCK WALLS SHALL BE ENGINEERED AND ARE REQUIRED TO HAVE A SPECIAL INSPECTION BY CES.
- ESTABLISHED VEGETATION IS REQUIRED ALONG THE TOP OF ALL WALLS TO PREVENT WASHING AND EROSION.
- A MINIMUM SET BACK OF 1 1/2 TIMES THE WALL HEIGHT IS REQUIRED FROM ALL STRUCTURES.
- ALL WORK SHALL COMPLY WITH CURRENT APPLICABLE CODES.
- 12" OF GRAVEL BACKING NOT REQUIRED AS SHOWN IF NO WATER CONCERNS ARE PRESENT AND FREE DRAINING SOIL IS INSTALLED INSTEAD.



Carlson Engineering Services, Inc.
Structural Engineering Services
300 North 200 West, Suite #10
Bountiful, Utah 84010
Phone: (801) 796-2784
Phone: (801) 796-6253

GRADING PLAN DETAILS

RASMUSSEN RESIDENCE
LOT #R • DAUPHINE-NAVOTY-PIEDMONT SUBDIVISION
6498 SOUTH BYBEE DRIVE
WEBER COUNTY, UTAH

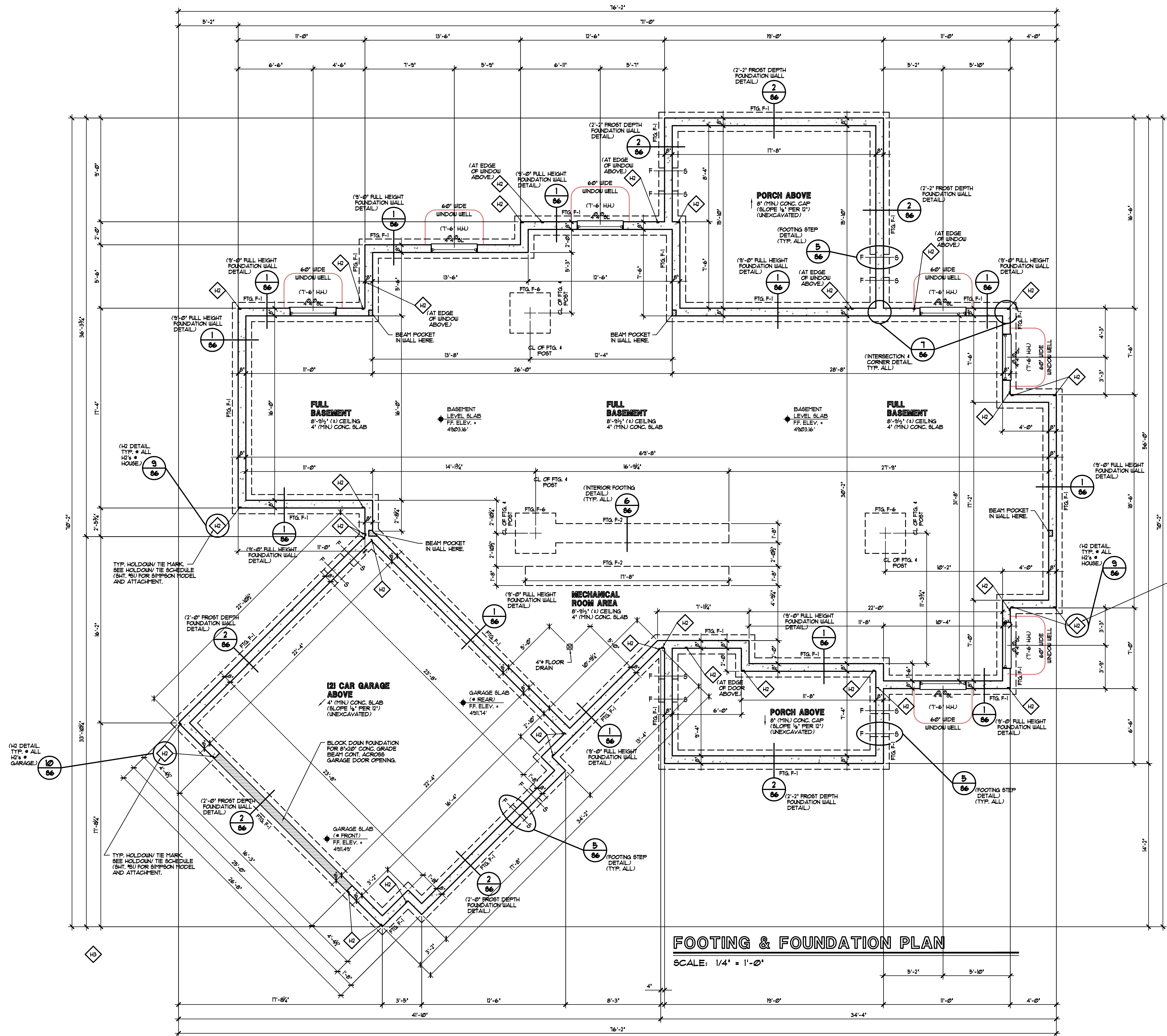
RELEASE DATE:	03/03/11
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REVISIONS:	date:	item:
	04/06/11	PERMIT SET

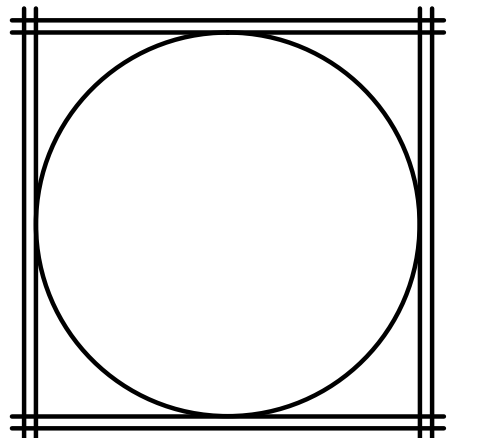
DRAWN BY:	JOE HUNTER
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NO. OF SHEETS:	2 OF 2
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SHEET NO. **GP2**



FOOTING & FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"



Carlson Engineering Services, Inc.
 Structural Engineering Services
 350 North 200 West, Suite #10
 Bountiful, Utah 84010
 Phone: (801) 296-2784
 Fax: (801) 296-6253

FOOTING & FOUNDATION PLAN
RASMUSSEN RESIDENCE
 LOT #R * DAUPHINE-SAVOY-PIEDMONT SUBDIVISION
 6438 SOUTH BYBEE DRIVE
 WEBER COUNTY, UTAH

RELEASE DATE:	03/03/11
REVISIONS:	
date:	item:
04/06/11	PERMIT SET
DRAWN BY:	JOE HUNTER
NO. OF SHEETS:	82 OF 1

SHEET NO. **S2**

FLOOR BEAM SCHEDULE:

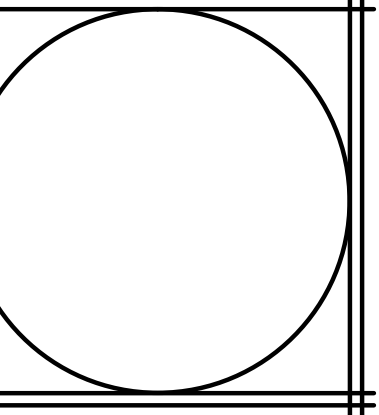
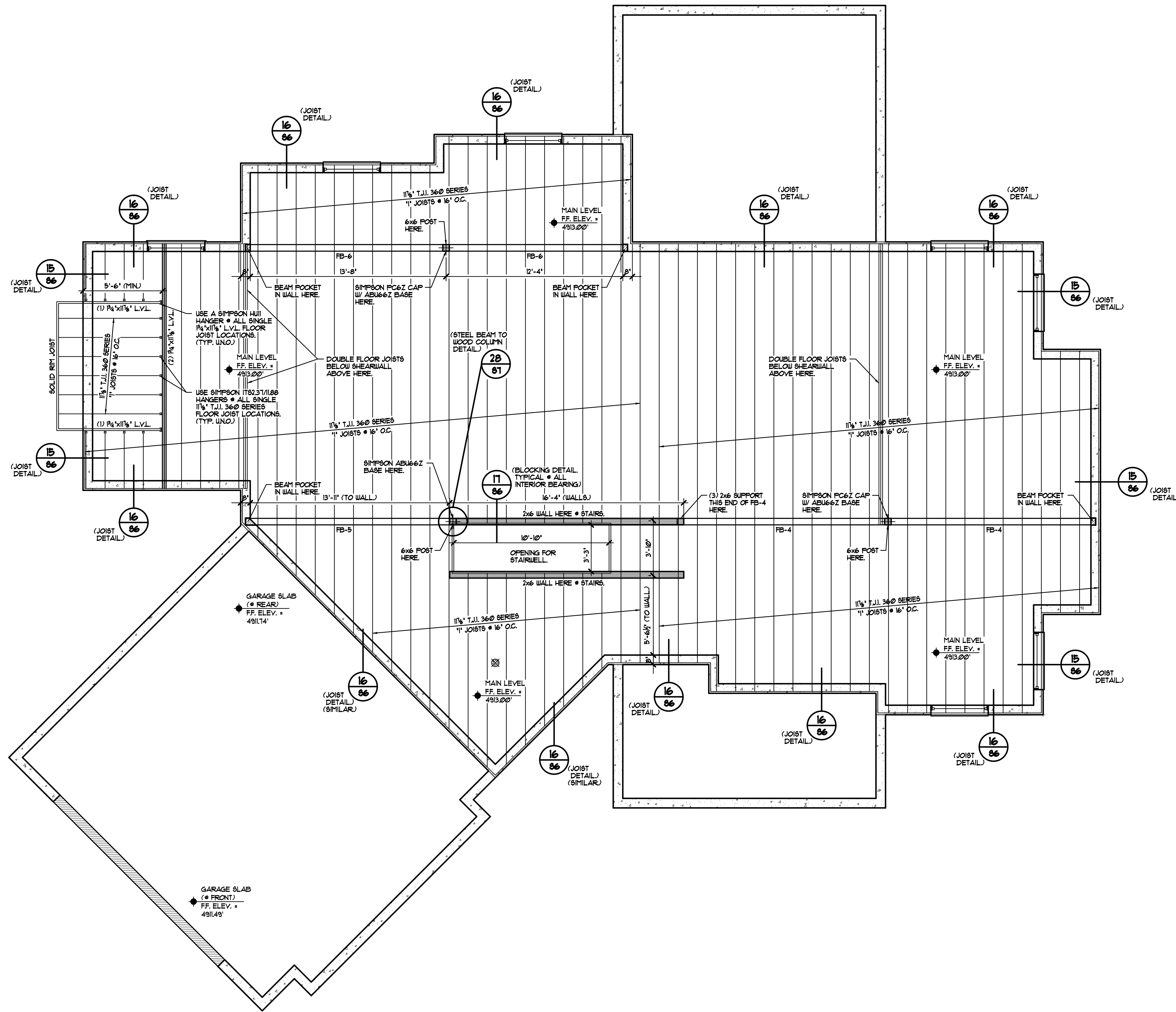
(** NOTE: BOLT (2) 2x PLATES TO TOP & BOTTOM FLANGES OF BEAM W/ 1/2" CARRIAGE BOLTS @ 16" O.C. STAGGERED)

MARK	BEAM TYPE	BEAM SIZE	DESCRIPTION/NOTES
FB-1	G.L.B.	5 1/2" x 8"	(OPTION: (3) 3/4" x 11 1/8" LVL) BEAM OVER GARAGE BAY AREA. (T.O. BEAM = B.O. TRUSSES.)
FB-2	L.V.L.	(3) 3/4" x 11 1/8"	HEADER OVER GARAGE DOOR OPENING. (B.O. BEAM = T.O. DOOR OPENING.)
FB-3	L.V.L.	(3) 3/4" x 11 1/8"	BEAM IN CEILING OVER LAUNDRY/ 3/4 BATH/ HALL AREA. (T.O. BEAM = T.O. JOISTS.)
FB-4	L.V.L.	(2) 3/4" x 14"	(OPTION: (3) 3/4" x 11 1/8") BEAM OVER UNFINISHED BASEMENT AREA. (T.O. BEAM = B.O. JOISTS.)
FB-5	STEEL	W-12x26 (SEE NOTE **)	BEAM OVER UNFINISHED BASEMENT AREA. (T.O. BEAM = 1/2" BELOW B.O. JOISTS.)
FB-6	L.V.L.	(3) 3/4" x 11 1/8"	BEAM OVER UNFINISHED BASEMENT AREA. (T.O. BEAM = B.O. JOISTS.)

FLOOR DIAPHRAGM:

USE 3/4" A.P.A. RATED OSB, TAG SHEETING NAILED AND GLUED W/ 16d NAILS @ 6" O.C. AT DIAPHRAGM BOUNDARIES AND PANEL SUPPORTED EDGES. FIELD NAIL W/ 16d NAILS @ 12" O.C.

NOTE:
ALL INTERIOR BEARING HEADERS ARE TO BE (2) 2x8 (MIN). ALL EXTERIOR BEARING HEADERS ARE TO BE (2) 2x10 (MIN). TYPICAL. ALL UNO.



Carlson Engineering Services, Inc.
Structural Engineering Services
350 North 200 West, Suite #10
Bountiful, Utah 84010
Phone: (801) 796-2784
Fax: (801) 796-6253

RASMUSSEN RESIDENCE
LOT #R @ DAUPHINE-BAVOT-PIEDMONT SUBDIVISION
6438 SOUTH BYBEE DRIVE
WEBER COUNTY, UTAH

RELEASE DATE: 03/03/11

REVISIONS:
date: 04/06/11
item: PERMIT SET

DRAWN BY: JOE HUNTER

NO. OF SHEETS: 83 OF 1

SHEET NO.: **S3**

MAIN LEVEL FLOOR FRAMING PLAN

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

FLOOR BEAM SCHEDULE:

(** NOTE: BOLT (2) 2x PLATES TO TOP & BOTTOM FLANGES OF BEAM W/ 1/2" CARRIAGE BOLTS @ 16" O.C. STAGGERED)

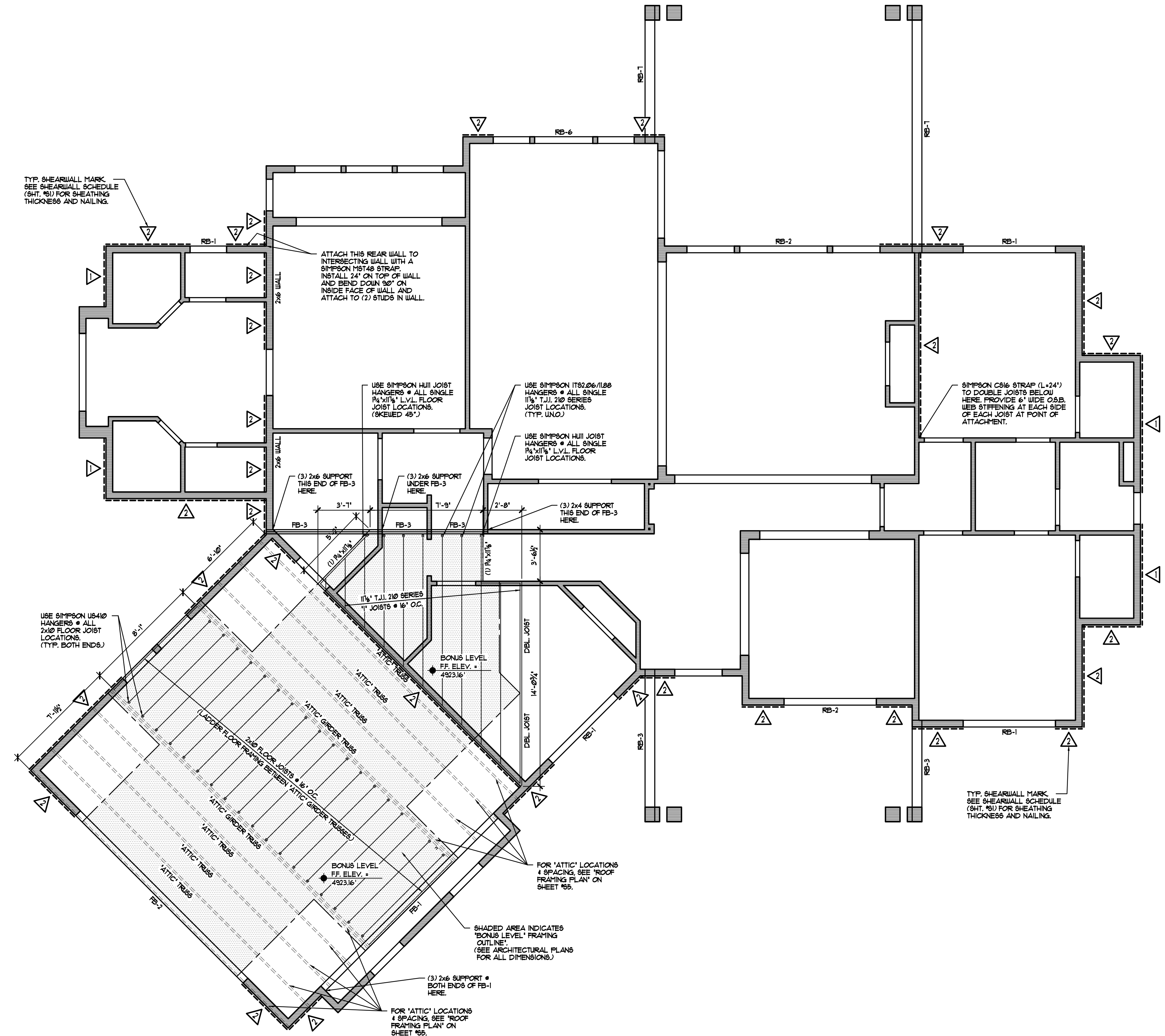
MARK	BEAM TYPE	BEAM SIZE	DESCRIPTION/NOTES
FB-1	G.L.B.	5 1/2"x8"	(OPTION: (3) 3/4"x16" L.V.L.'s) BEAM OVER GARAGE BAY AREA. (T.O. BEAM = B.O. TRUSSES.)
FB-2	L.V.L.	(3) 3/4"x11 1/8"	HEADER OVER GARAGE DOOR OPENING. (B.O. BEAM = T.O. DOOR OPENING.)
FB-3	L.V.L.	(3) 3/4"x11 1/8"	BEAM IN CEILING OVER LAUNDRY/ 3/4 BATH/ HALL AREA. (T.O. BEAM = T.O. JOISTS.)
FB-4	L.V.L.	(2) 3/4"x14"	(OPTION: (3) 3/4"x11 1/8") BEAM OVER UNFINISHED BASEMENT AREA. (T.O. BEAM = B.O. JOISTS.)
FB-5	STEEL	W-12x26 (SEE NOTE **)	BEAM OVER UNFINISHED BASEMENT AREA. (T.O. BEAM = 1/2" BELOW B.O. JOISTS.)
FB-6	L.V.L.	(3) 3/4"x11 1/8"	BEAM OVER UNFINISHED BASEMENT AREA. (T.O. BEAM = B.O. JOISTS.)

FLOOR DIAPHRAGM:

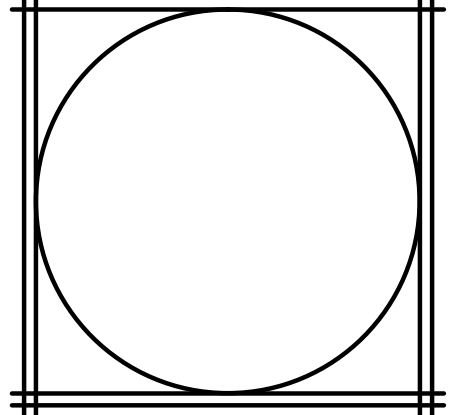
USE 3/4" A.P.A. RATED OSB, TAG SHEETING NAILED AND GLUED W/ 16d NAILS @ 6" O.C. AT DIAPHRAGM BOUNDARIES AND PANEL SUPPORTED EDGES. FIELD NAIL W/ 16d NAILS @ 12" O.C.

NOTE:
ALL INTERIOR BEARING HEADERS ARE TO BE (2) 2x8 (MIN). ALL EXTERIOR BEARING HEADERS ARE TO BE (2) 2x10 (MIN). TYPICAL. ALL UNO.

SEE SHEET #35 FOR SIZE & SUPPORT OF ALL ROOF BEAMS (I.E. RB's) SHOWN HERE.



BONUS LEVEL FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"



Carlson Engineering Services, Inc.
Structural Engineering Services
350 North 200 West, Suite #10
Bountiful, Utah 84010
Phone: (801) 796-2784
Fax: (801) 796-6253

BONUS LEVEL FLOOR FRAMING PLAN
RASMUSSEN RESIDENCE
LOT #R @ DAUPHINE-BAVOT-PIEDMONT SUBDIVISION
6438 SOUTH BYBEE DRIVE
WEBER COUNTY, UTAH

RELEASE DATE:	03/03/17
REVISIONS:	
date:	item:
04/06/17	PERMIT SET
DRAWN BY:	JOE HUNTER
NO. OF SHEETS:	84 OF 1

SHEET NO. **S4**

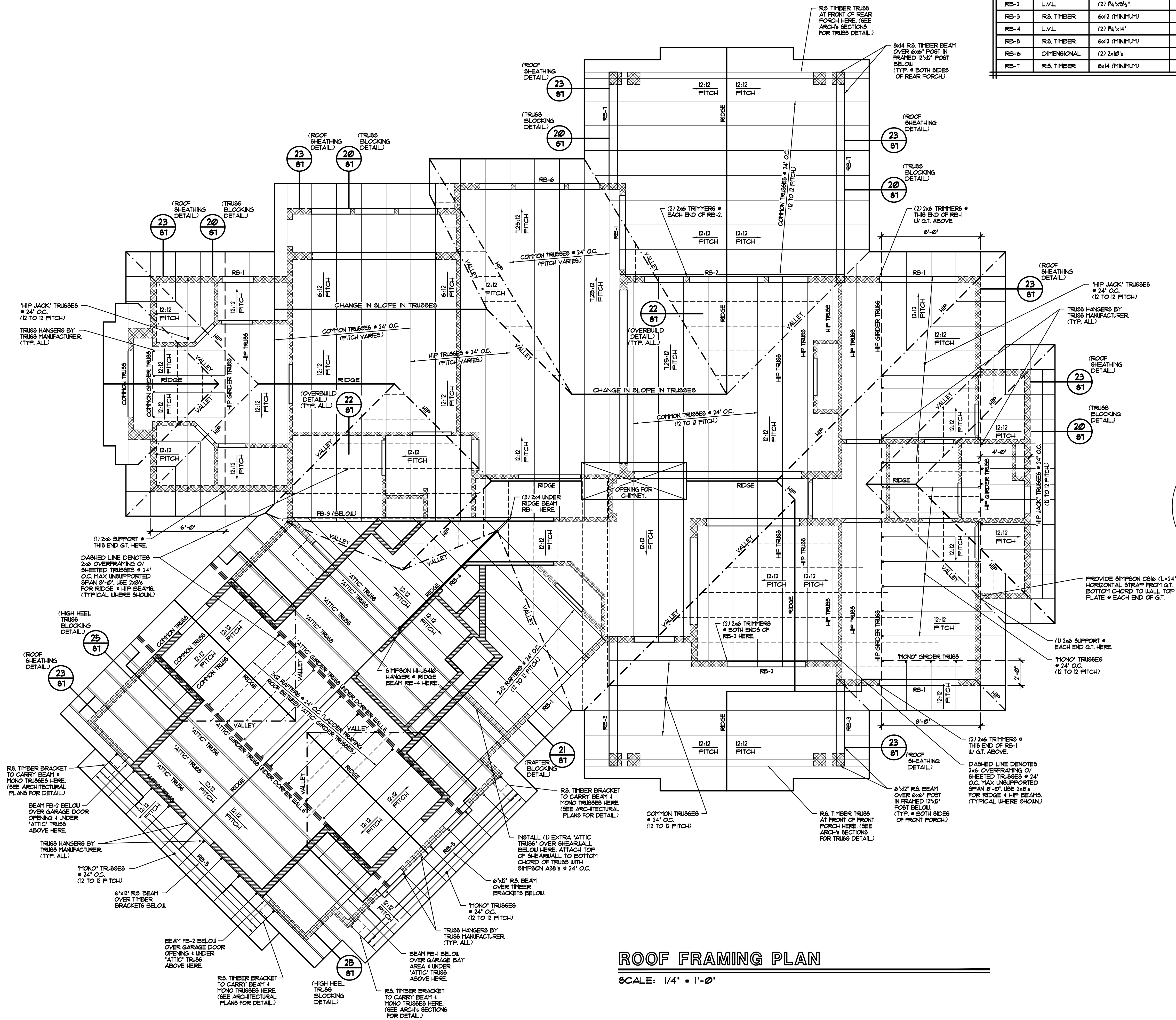
ROOF BEAM SCHEDULE:

MARK	BEAM TYPE	BEAM SIZE	DESCRIPTION/NOTES
RB-1	DIMENSIONAL	(3) 2x10's	HEADER OVER EXTERIOR WINDOW OR DOOR. (B.O. BEAM + HEADER HEIGHT.)
RB-2	L.V.L.	(2) 3/4"x8 1/2"	HEADER OVER EXTERIOR WINDOW OR DOOR. (B.O. BEAM + HEADER HEIGHT.)
RB-3	R.S. TIMBER	6x12 (MINIMUM)	(OPTION: (2) 3/4"x11 1/2" BEAM + FRONT PORCH ROOF. (T.O. BEAM + 1' ABOVE PLATE.)
RB-4	L.V.L.	(2) 3/4"x14"	RIDGE BEAM OVER BONUS ROOM AREA + STICK FRAMED PORTION OF ROOF.
RB-5	R.S. TIMBER	6x12 (MINIMUM)	BEAM + GARAGE FACADES W/ SHED ROOF + BRACKETS. (T.O. BEAM + T.O. GARAGE PLATE.)
RB-6	DIMENSIONAL	(2) 2x10's	HEADER OVER EXTERIOR WINDOW OR DOOR. (B.O. BEAM + HEADER HEIGHT.)
RB-7	R.S. TIMBER	8x14 (MINIMUM)	(OPTION: 6x16 R.S. OR (3) 3/4"x14" BEAM + REAR PORCH ROOF. (T.O. BEAM + 1' ABOVE PLATE.)

ROOF DIAPHRAGM:

USE 5/32" (33/64) A.P.A. RATED OSB SHEETING NAILED W/ 8d NAILS @ 6" O.C. AT DIAPHRAGM BOUNDARIES AND PANEL SUPPORTED EDGES. FIELD NAIL W/ 8d NAILS @ 12" O.C. PROVIDE 1" CLIPS AT ALL UNSUPPORTED EDGES.

NOTE:
ALL INTERIOR BEARING HEADERS ARE TO BE (2) 2x8's (MIN). ALL EXTERIOR BEARING HEADERS ARE TO BE (2) 2x10's (MIN). TYPICAL ALL UNO.



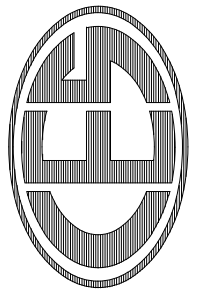
SEE SHEET #34 FOR SIZE & SUPPORT OF ALL FLOOR BEAMS (I.E. FB'S) SHOWN HERE.

SEE ARCHITECTURAL SECTIONS FOR ALL TRUSS CONFIGURATIONS, SPANS, HEEL HEIGHTS AND PLATE HEIGHTS. ALL SPANS, PITCHES AND PLATE HEIGHTS SHOULD BE VERIFIED ON SITE BY TRUSS MANUFACTURER BEFORE TRUSS PRODUCTION BEGINS. NOTIFY ENGINEER IF SPANS OR POINT LOAD LOCATIONS CHANGE FROM WHAT IS SHOWN HERE.

ROOF FRAMING PLAN

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

Carlson Engineering Services, Inc.
Structural Engineering Services
350 North 200 West, Suite #10
Bountiful, Utah 84010
Phone: (801) 796-2784
Fax: (801) 796-6253



ROOF FRAMING PLAN

RASMUSSEN RESIDENCE
LOT #R @ DAUPHINE-BAVOY-PIEDMONT SUBDIVISION
6498 SOUTH BYBEE DRIVE
WEBER COUNTY, UTAH

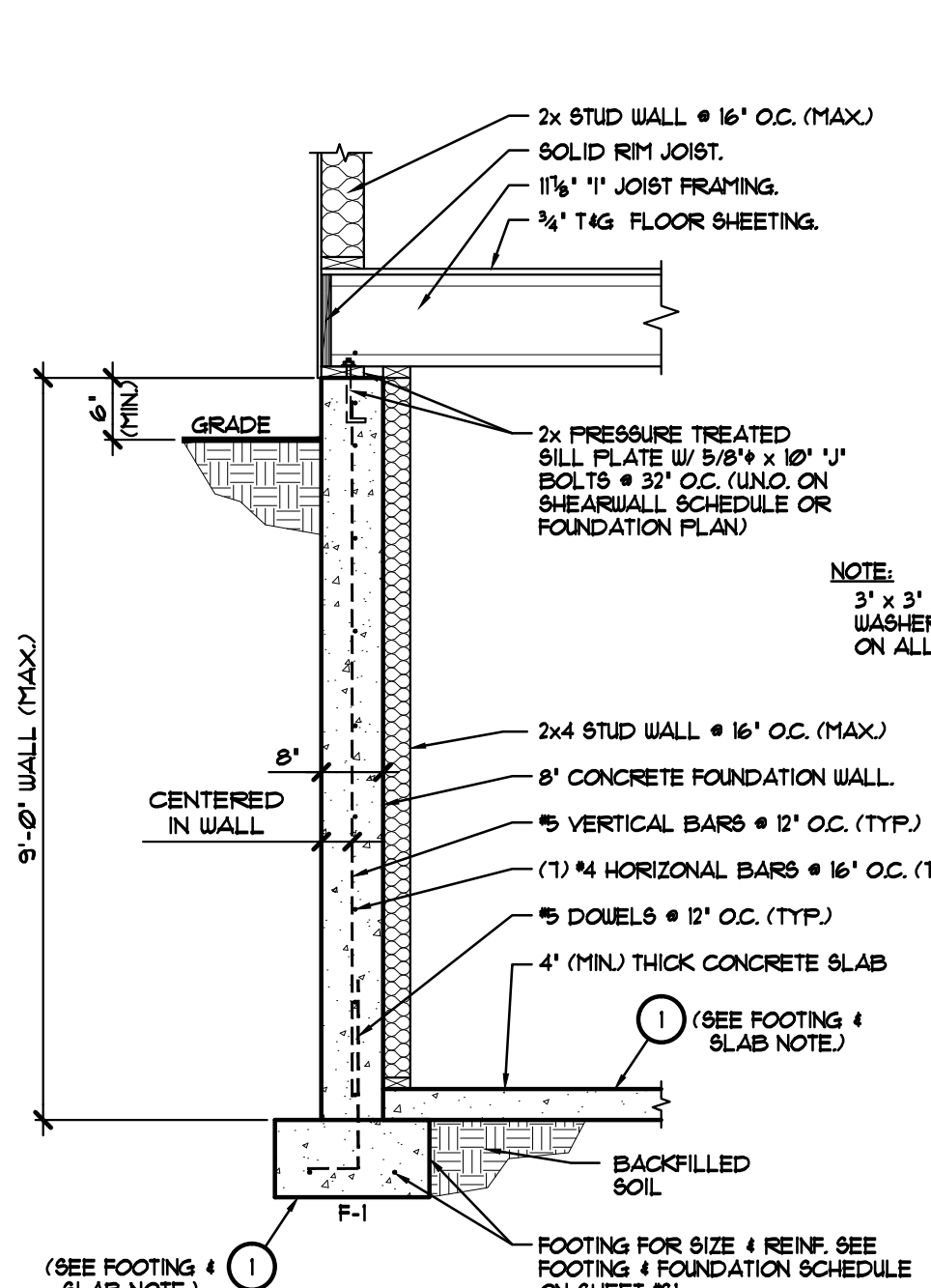
RELEASE DATE: 03/03/11

REVISIONS:
date: item:
04/06/11 PERMIT SET

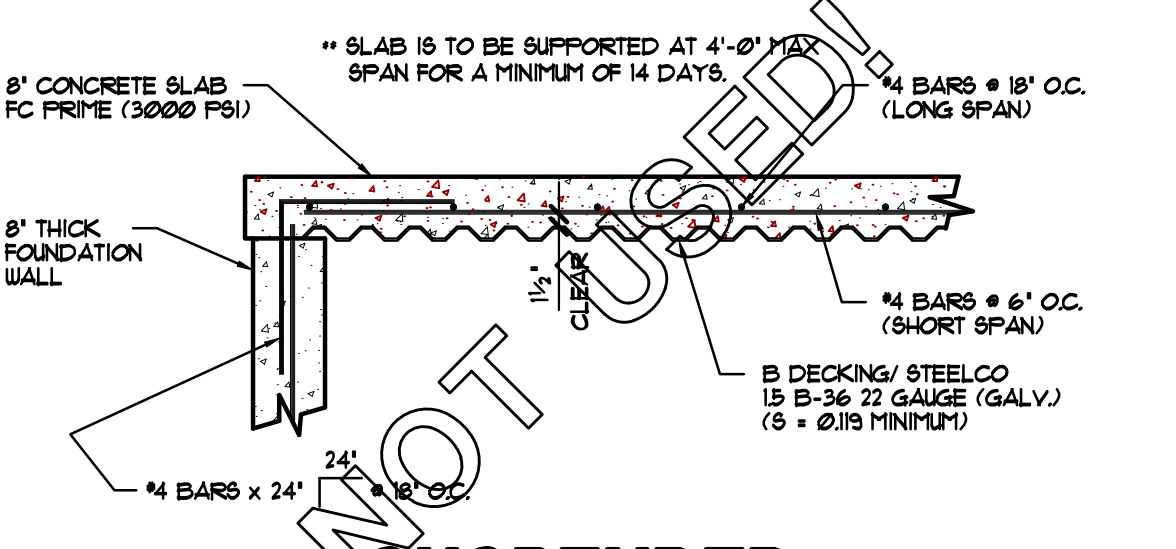
DRAWN BY: JOE HUNTER

NO. OF SHEETS: 85 OF 1

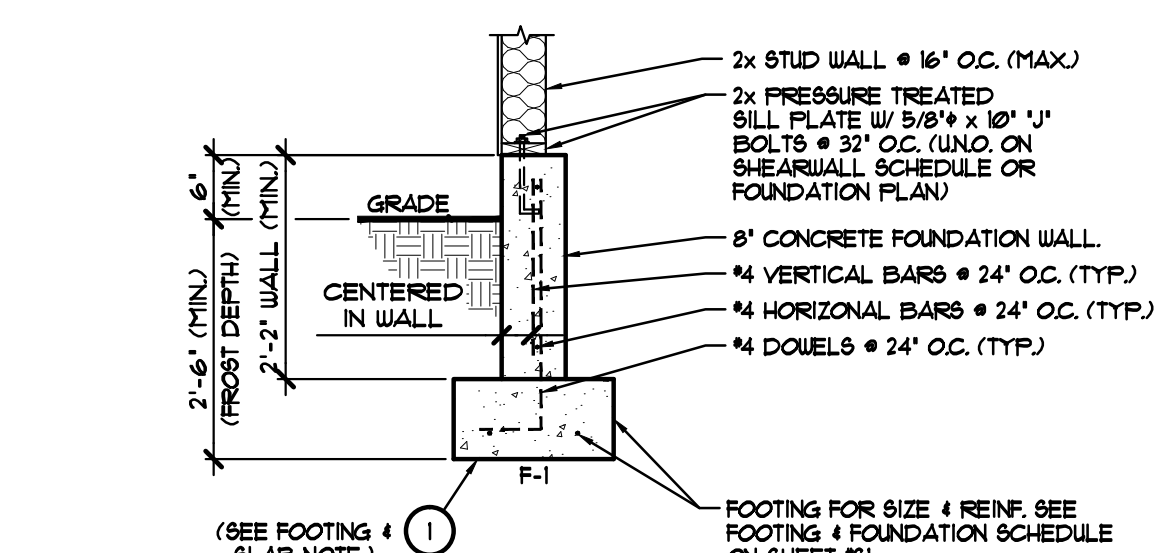
SHEET NO.: **S5**



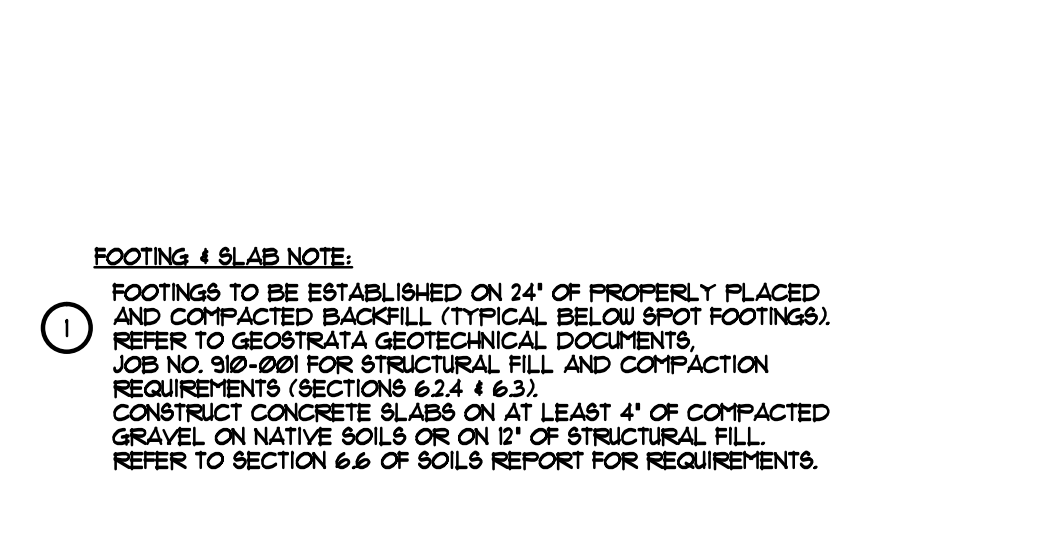
1
66 FOUNDATION WALL DETAIL
SCALE: 1/2" = 1'-0"



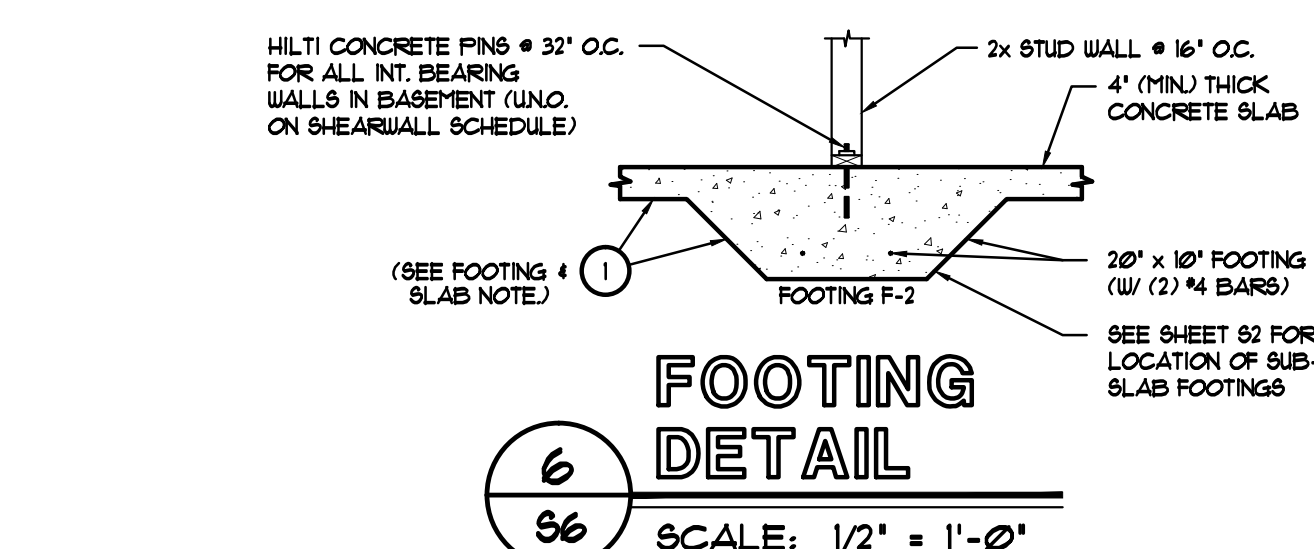
3
66 SUSPENDED SLAB DETAIL
SCALE: NOT TO SCALE



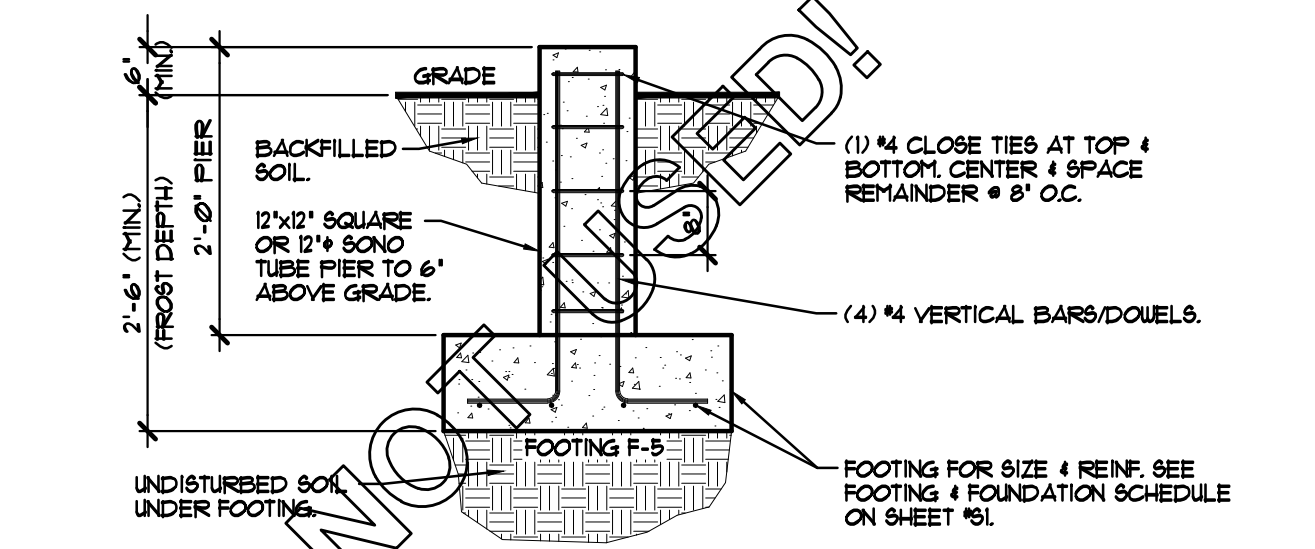
2
66 FOUNDATION WALL DETAIL
SCALE: 1/2" = 1'-0"



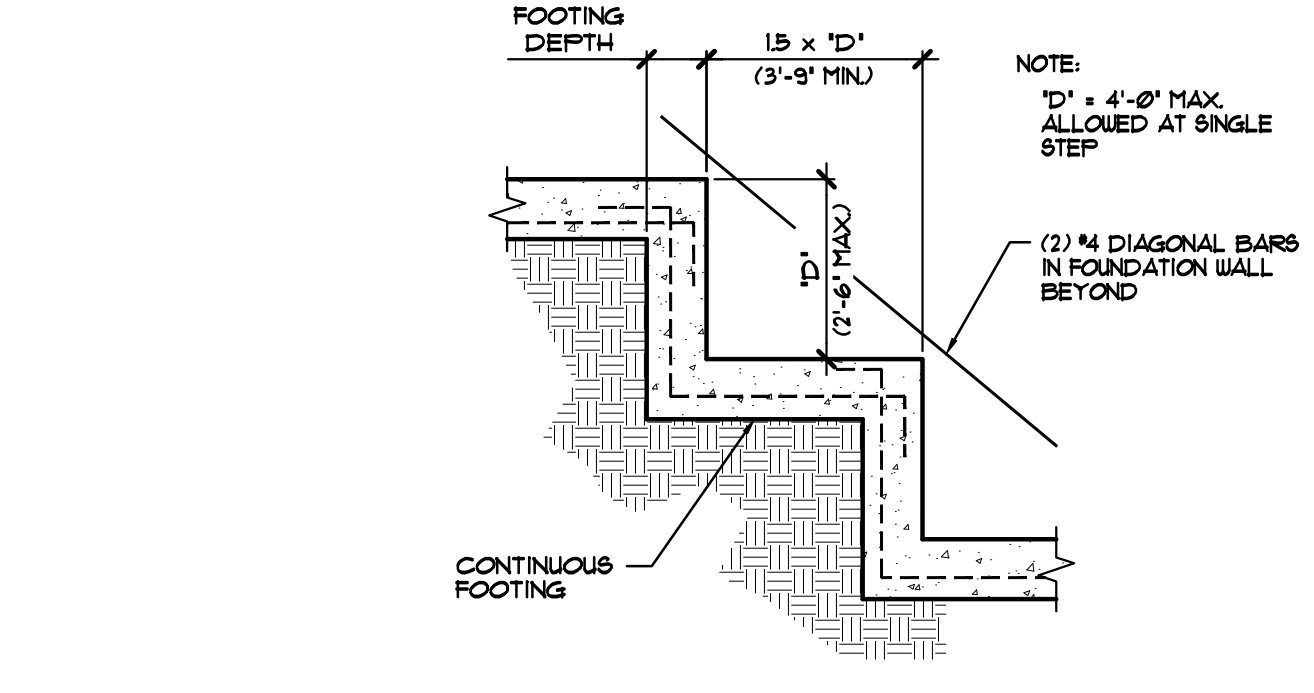
4
66 BOND BEAM DETAIL
SCALE: 1" = 1'-0"



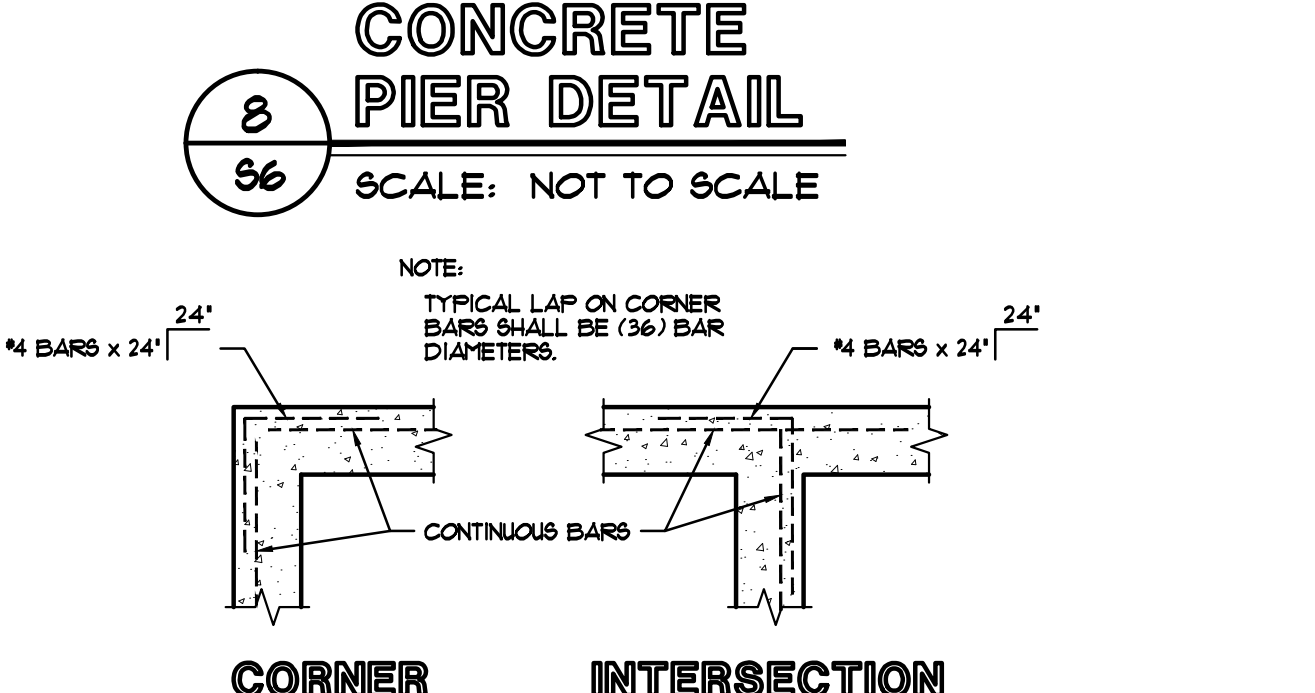
6
66 FOOTING DETAIL
SCALE: 1/2" = 1'-0"



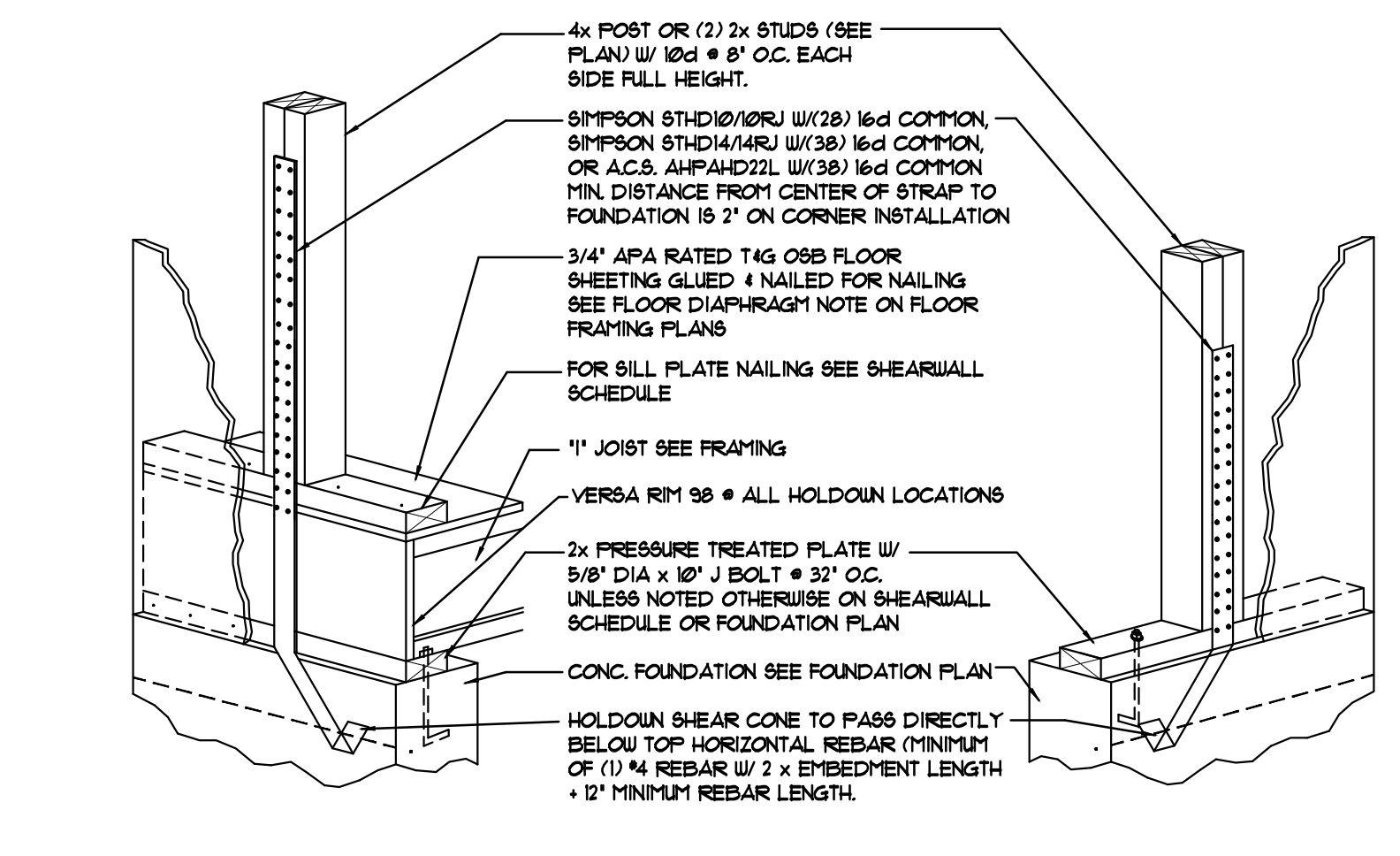
8
66 CONCRETE PIER DETAIL
SCALE: NOT TO SCALE



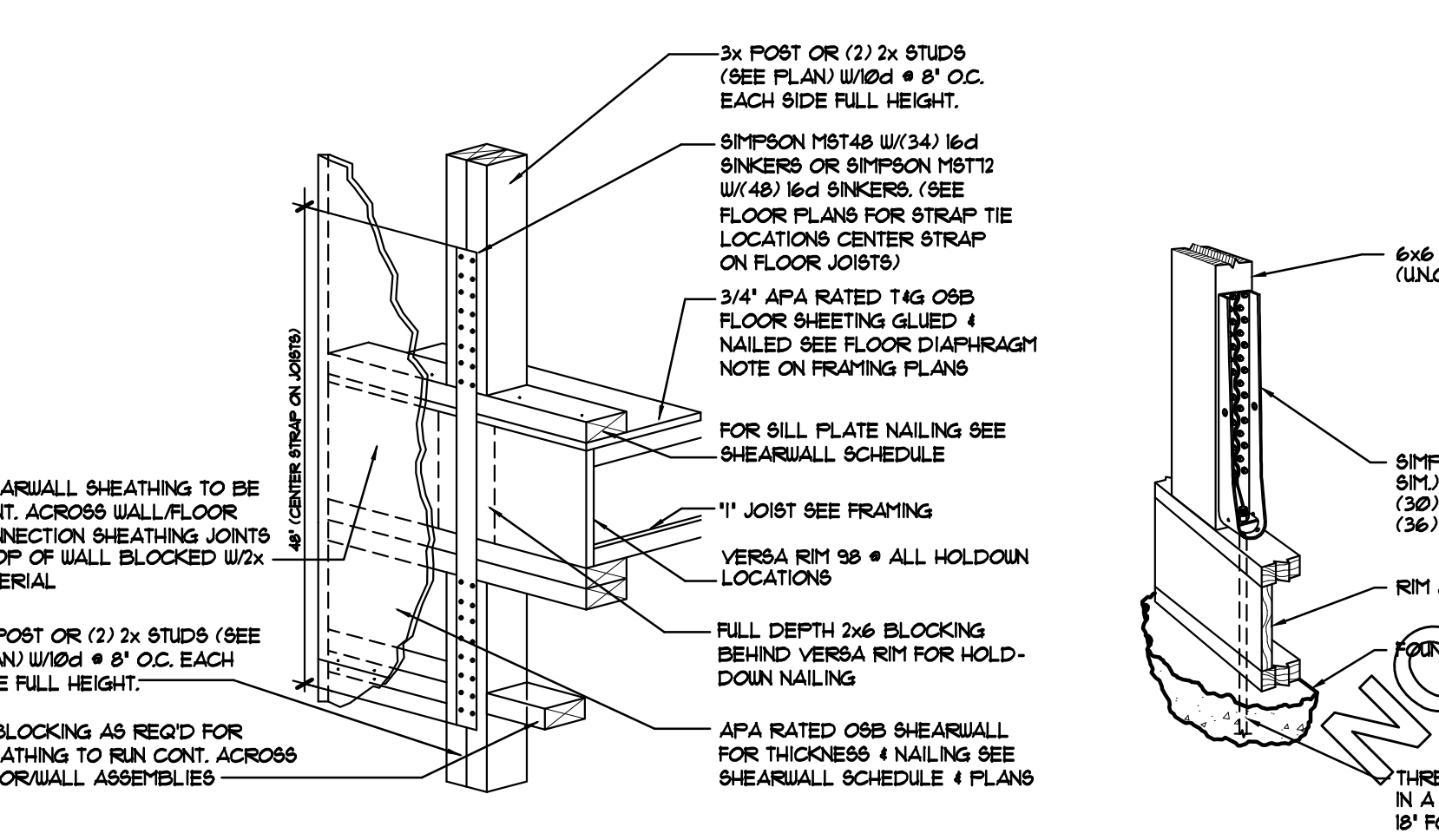
5
66 TYP. FOOTING STEP DETAIL
SCALE: NOT TO SCALE



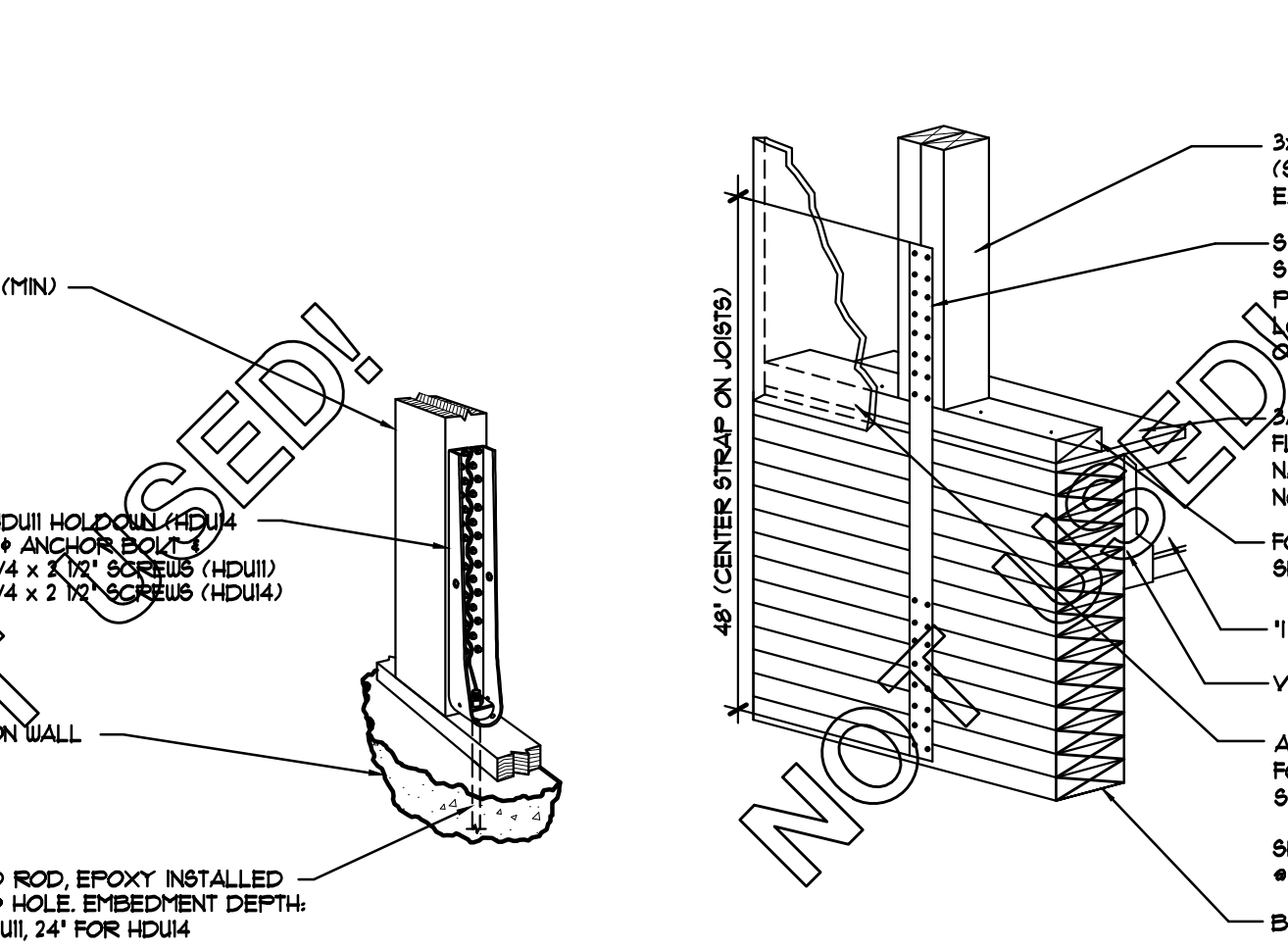
7
66 FOUNDATION WALL DETAILS
SCALE: NOT TO SCALE



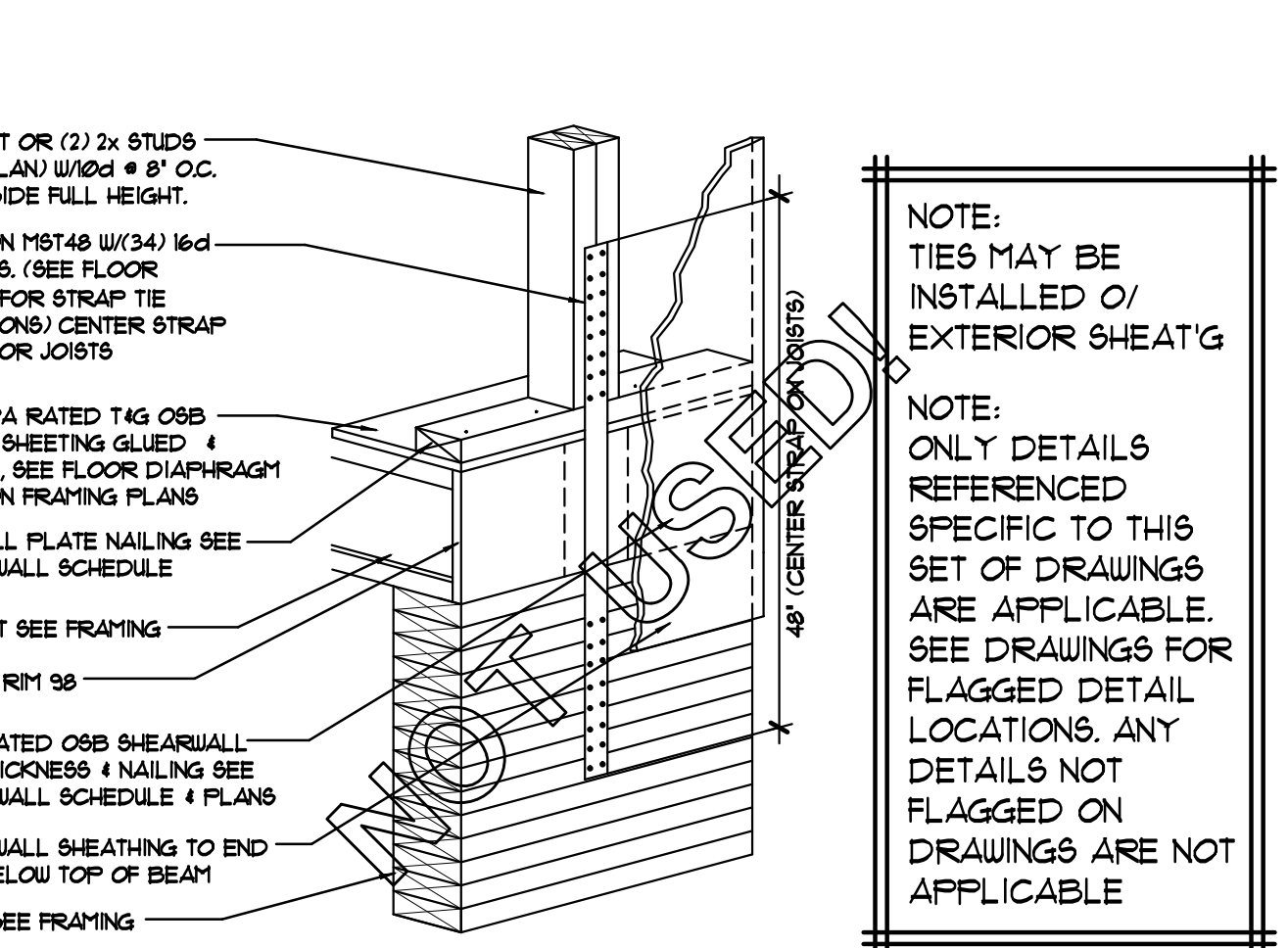
9
66 HOLDDOWN DETAIL
SCALE: NOT TO SCALE



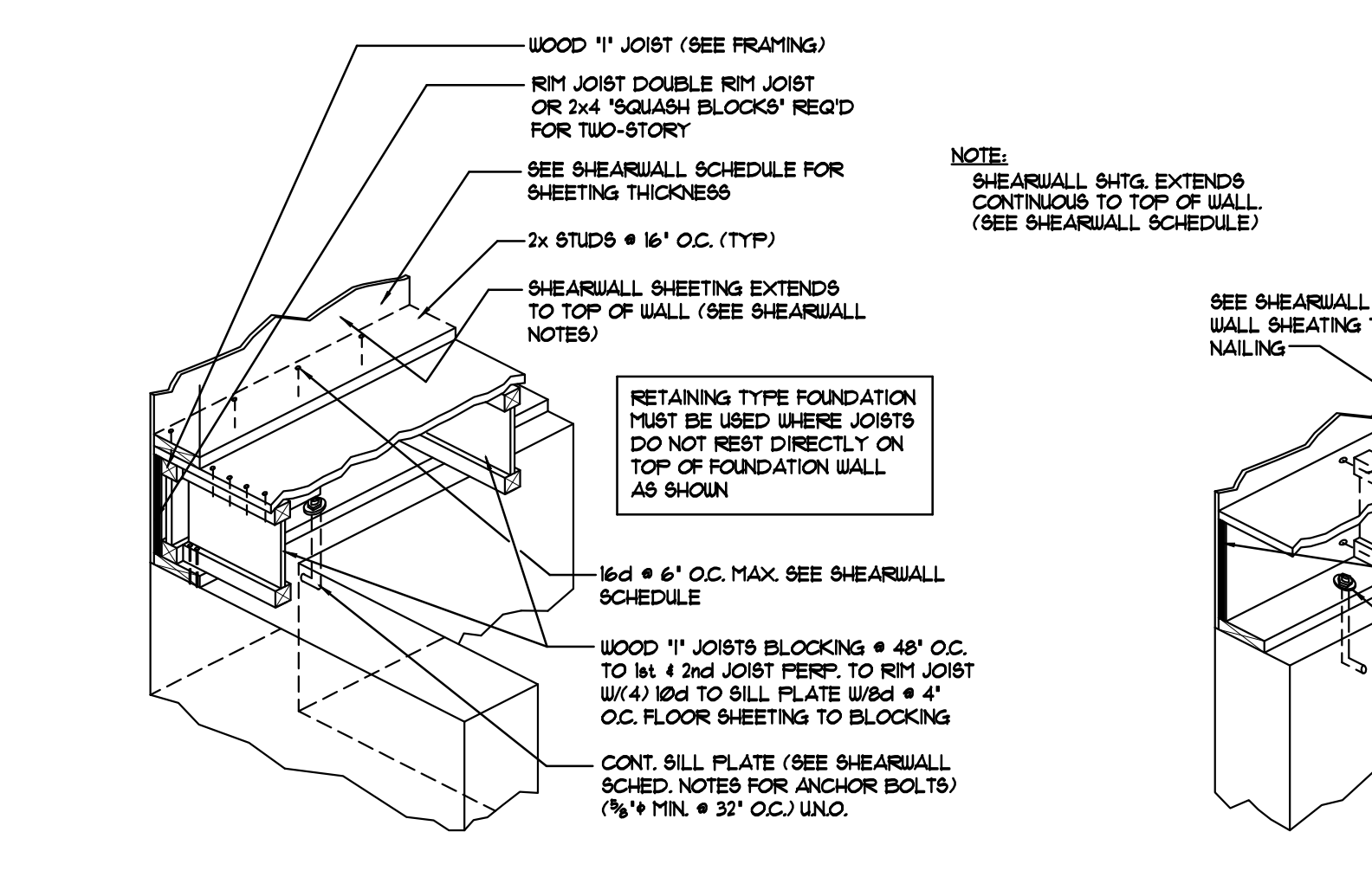
11
66 STRAP TIE DETAIL
SCALE: NOT TO SCALE



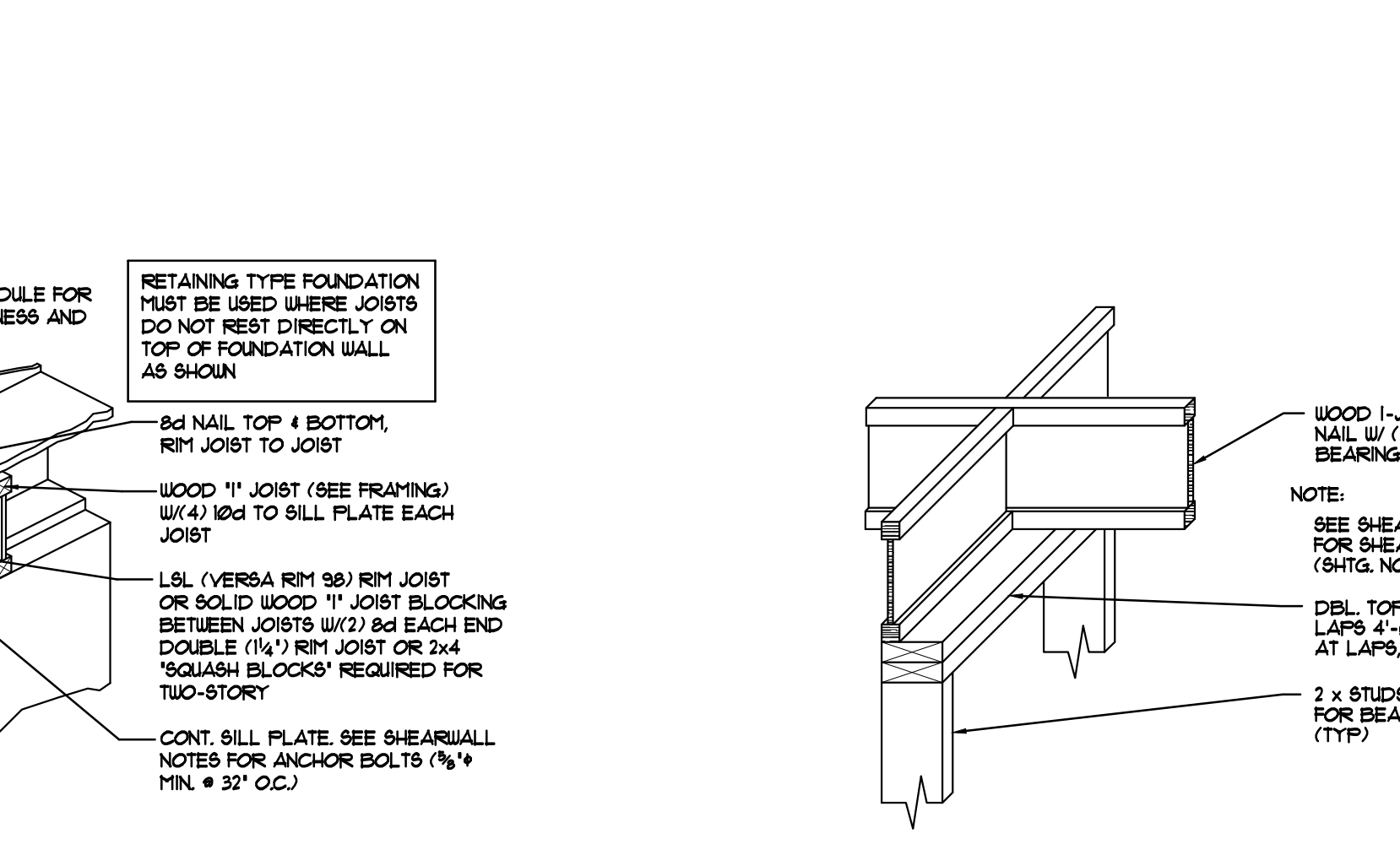
12
66 HOLDDOWN DETAIL
SCALE: NOT TO SCALE



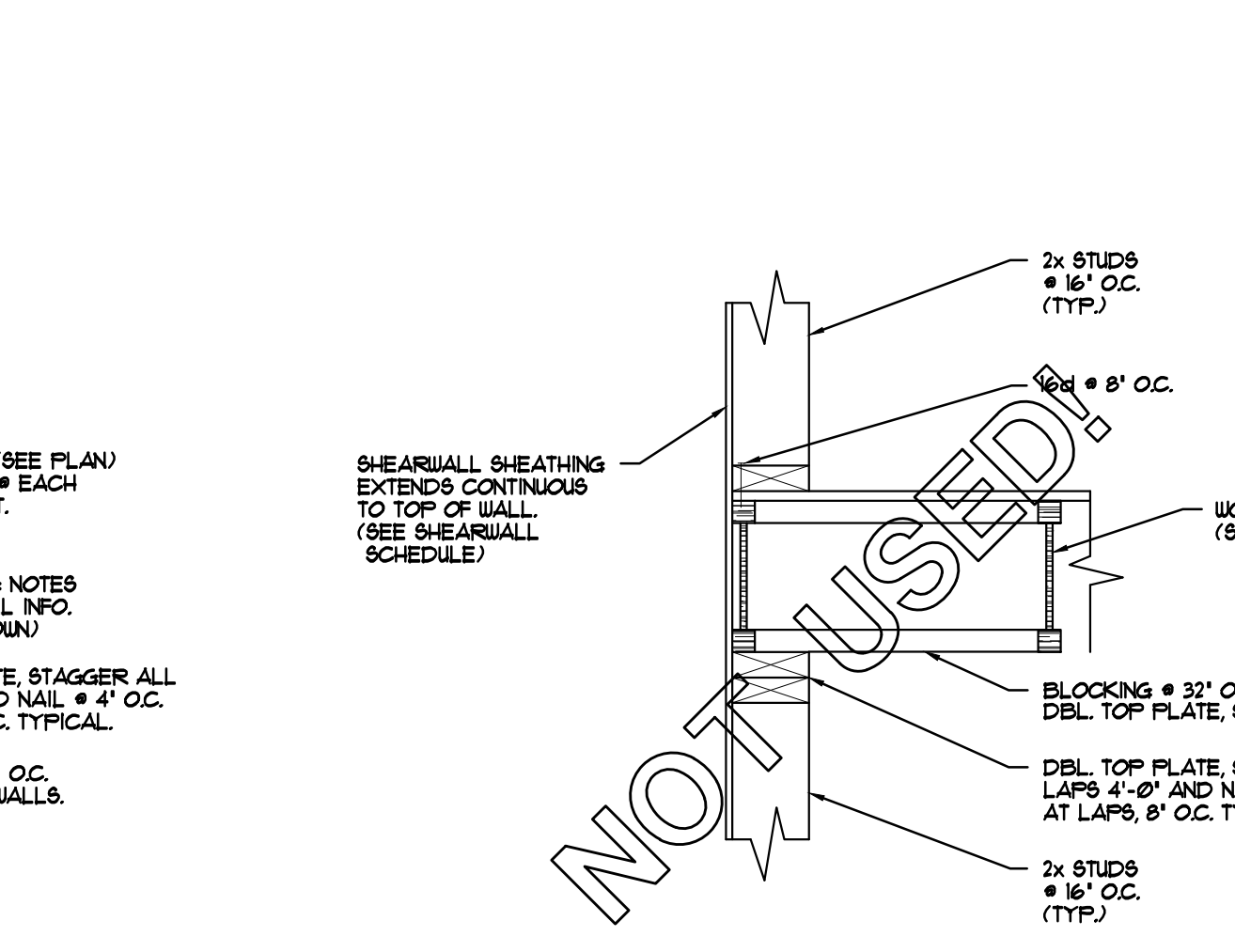
14
66 STRAP TIE DETAIL
SCALE: NOT TO SCALE



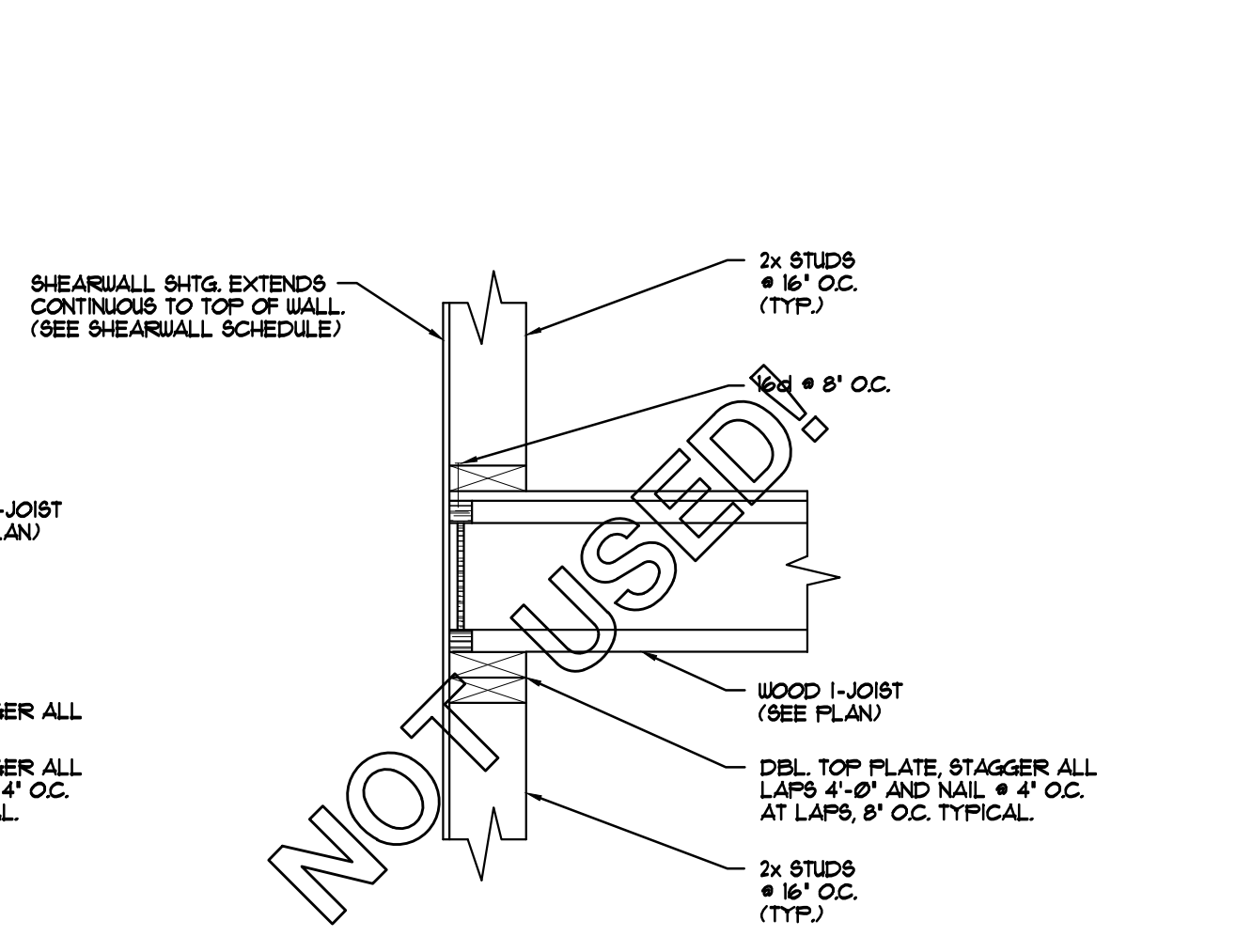
15
66 WOOD I-JOIST FRAMING DETAIL
SCALE: NOT TO SCALE (PARALLEL TO RIM JOIST)



16
66 WOOD I-JOIST FRAMING DETAIL
SCALE: NOT TO SCALE (PERPENDICULAR TO RIM JOIST)



17
66 INTERIOR BEARING WALL FRAMING DETAIL
SCALE: NOT TO SCALE

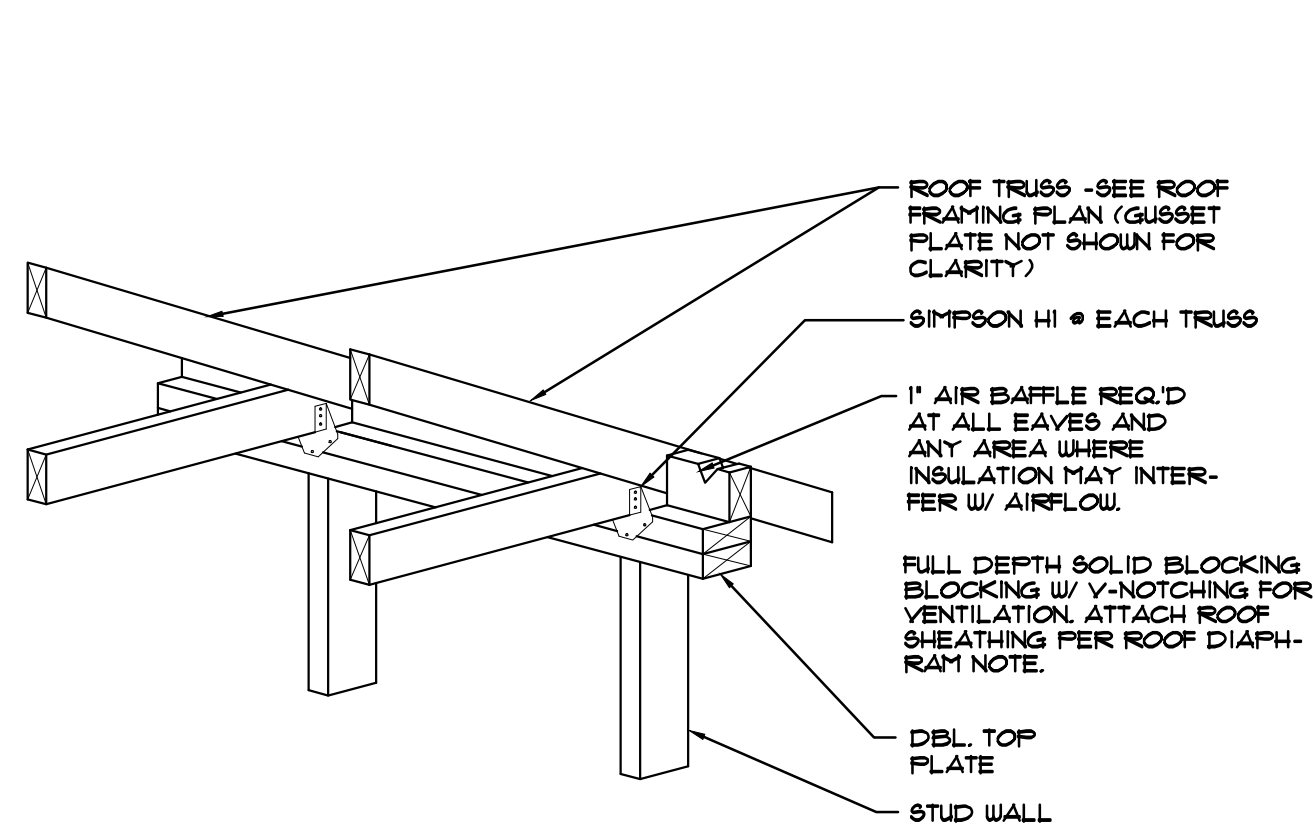


18
66 WOOD I-JOIST FRAMING DETAIL
SCALE: NOT TO SCALE (PARALLEL TO RIM JOIST)

Carlson Engineering Services, Inc.
Structural Engineering Services
3802 North 200 West, Suite #10
Bountiful, Utah 84002
Phone: (801) 736-2184
FAX: (801) 736-6153

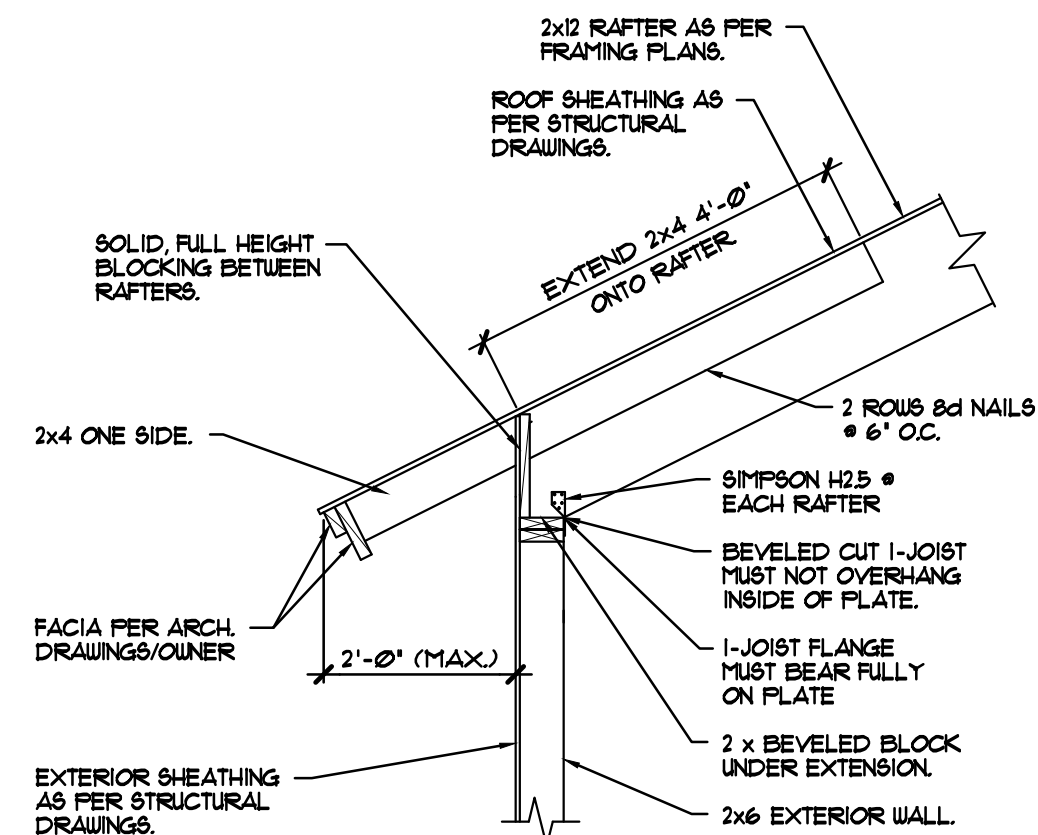
RASMUSSEN RESIDENCE
LOT #R • DAUPHINE-SAVOY-PIEDMONT SUBDIVISION
6498 SOUTH BYBEE DRIVE
WEBER COUNTY, UTAH

RELEASE DATE:	03/03/11
REVISIONS:	
date:	item:
04/06/11	PERMIT SET
DRAWN BY:	JOE HANTER
NO. OF SHEETS:	66 OF 1
SHEET NO.:	66



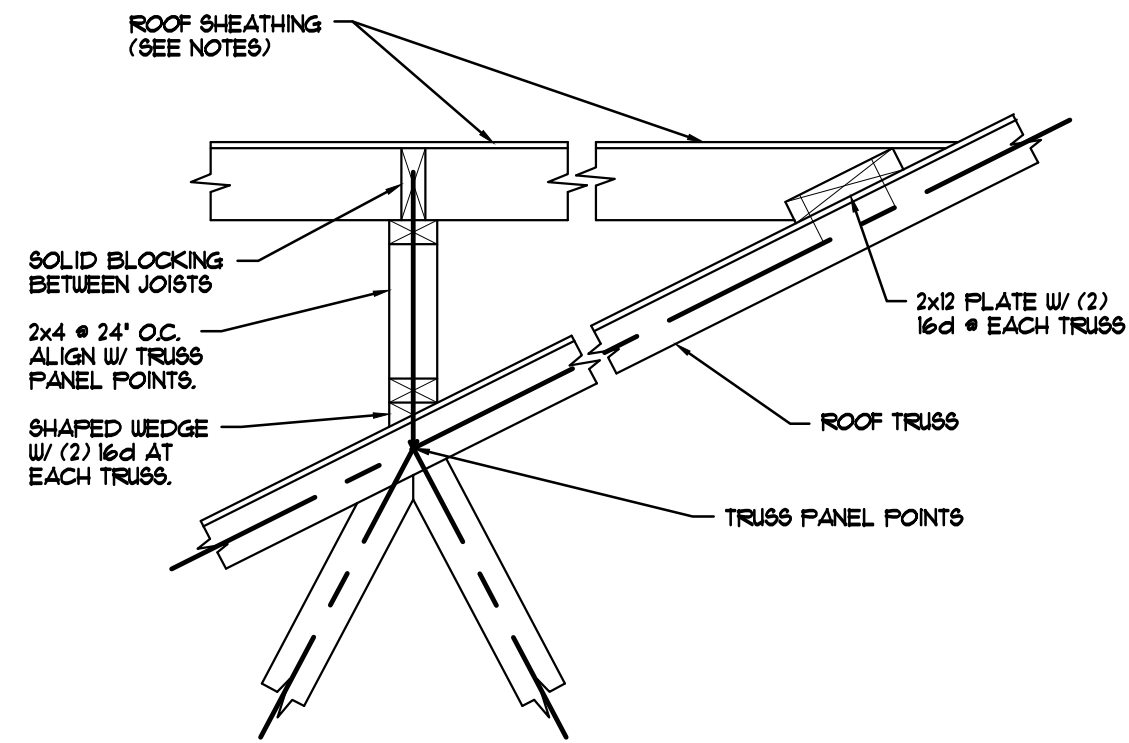
TRUSS TO WALL BLOCKING DETAIL

20
S1 SCALE: NOT TO SCALE (SIMILAR DETAIL TO BEAM BELOW)



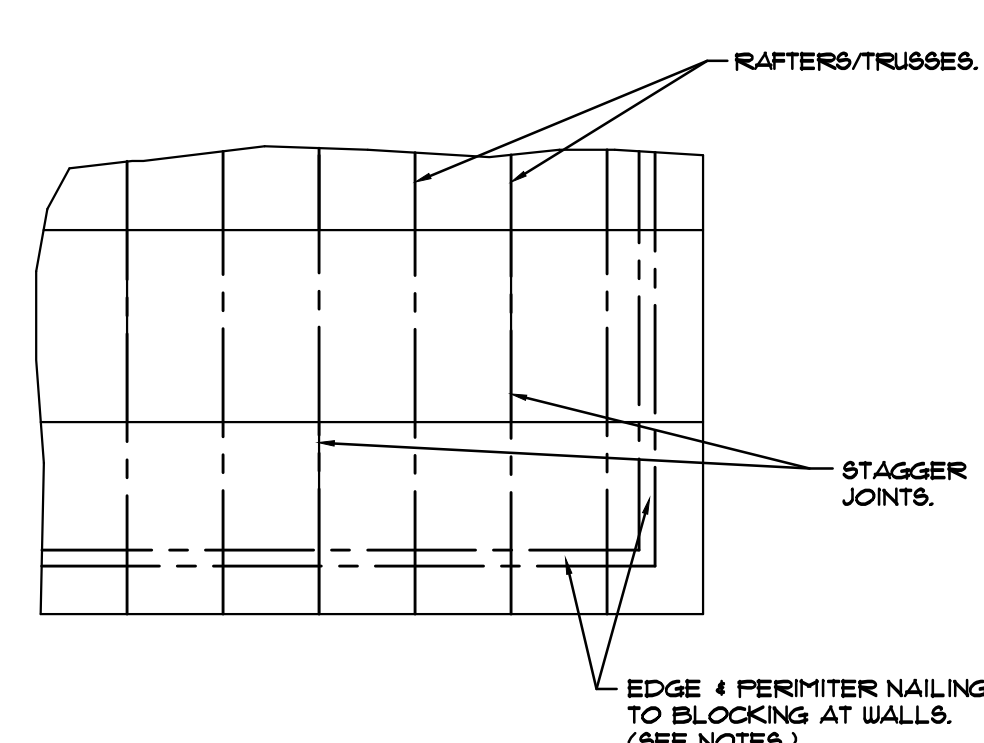
2x12 RAFTER BLOCKING DETAIL

21
S1 SCALE: NOT TO SCALE



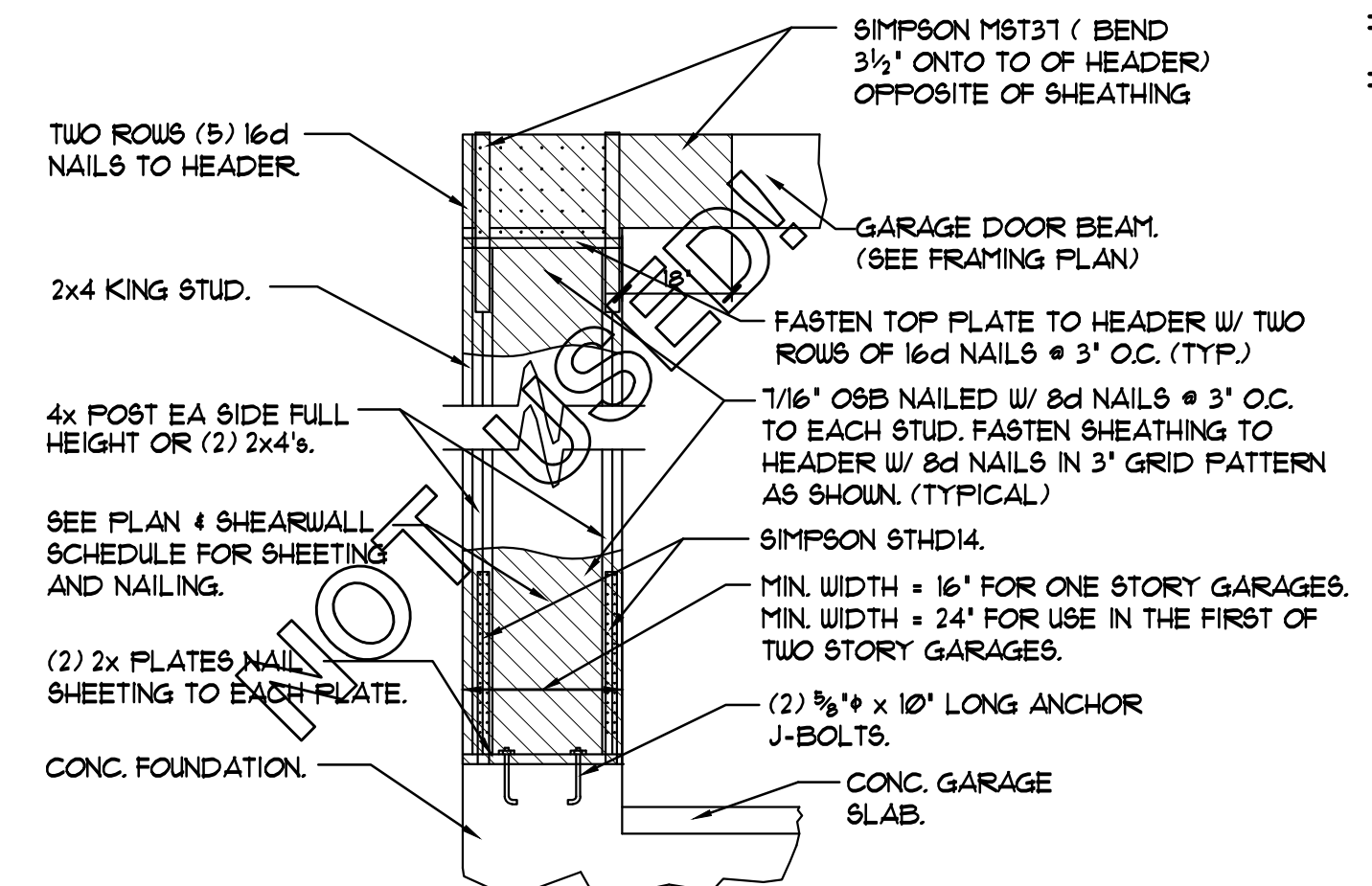
OVERBUILD DETAIL

22
S1 SCALE: NOT TO SCALE



HORIZONTAL ROOF SHEATHING DETAIL

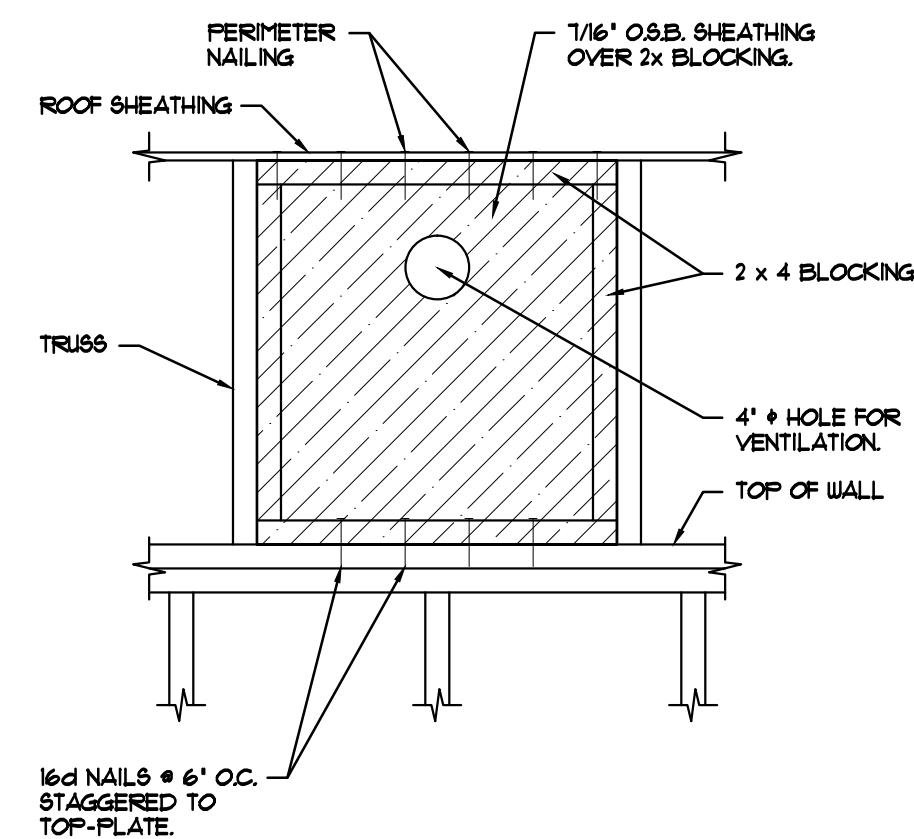
23
S1 SCALE: NOT TO SCALE



GARAGE RETURN SHEARWALL DETAIL

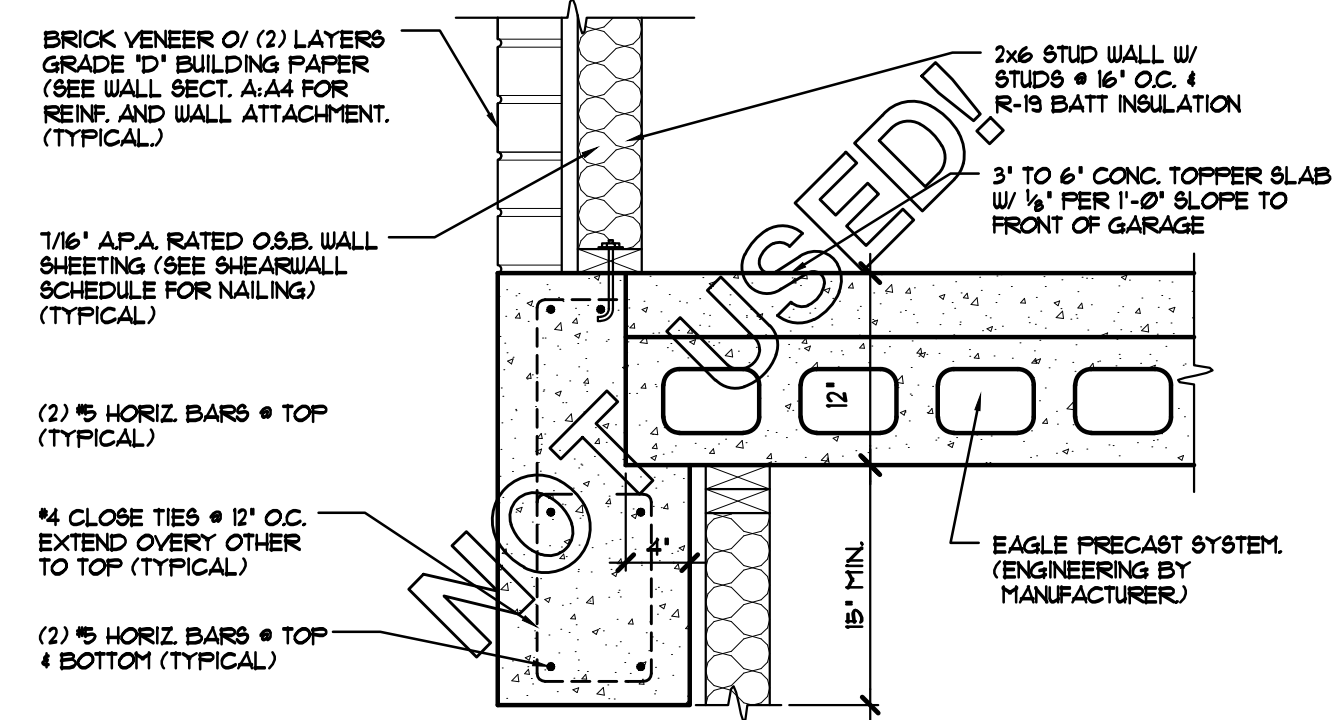
24
S1 SCALE: NOT TO SCALE

NOTE:
USE THIS BLOCKING DETAIL FOR ALL HEEL HEIGHTS OVER 10 1/2' TALL.



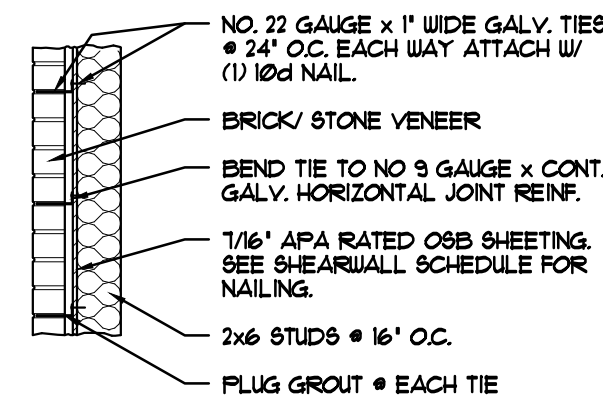
HIGH HEEL TRUSS BLOCKING DETAIL

25
S1 SCALE: NOT TO SCALE



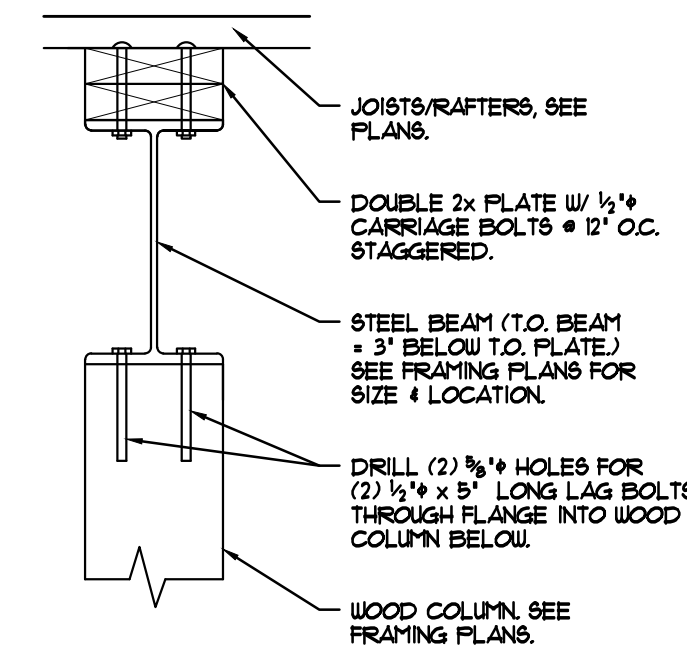
FOUNDATION WALL NOTCHING FOR PRECAST SLAB DETAIL

26
S1 SCALE: NOT TO SCALE



BRICK/STONE VENEER DETAILS

27
S1 SCALE: 1/2" = 1'-0"



STEEL BEAM TO WOOD COLUMN DETAIL

28
S1 SCALE: NOT TO SCALE

Carlson Engineering Services, Inc.

Structural Engineering Services
380 North 200 West Suite #10
Bountiful, Utah 84002
Phone: (801) 796-2184
Phone: (801) 796-6253

STRUCTURAL DETAILS

RASMUSSEN RESIDENCE

LOT #R • DAUPHINE-SAVOY-PIEDMONT SUBDIVISION
6498 SOUTH BYBEE DRIVE
WEBER COUNTY, UTAH

RELEASE DATE:	03/03/11
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REVISIONS:	
date:	item:
04/06/11	PERMIT SET

DRAWN BY:	JOE HANTER
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NO. OF SHEETS:	81 OF 1
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SHEET NO. **S7**