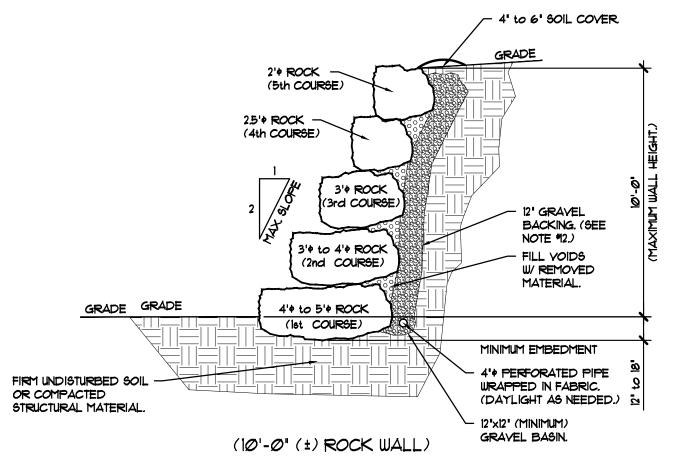




FRONT ELEVATION

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



RETAINING WALL NOTES:

THESE ROCK/ BOULDER RETAINING

FRONT SIDE AND SIDE YARD

GEOTECHNICAL DOCUMENTS,

JOB NO. 910-001.

WALL DETAILS ARE APPLICABLE FOR

LANDSCAPING RETAINING WALLS ONLY!

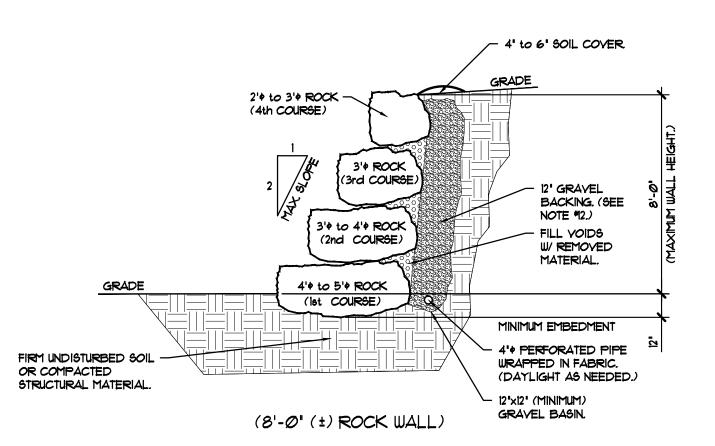
ALL REAR ROCK/ BOULDER RETAINING

WALLS ARE TO BE CONSTRUCTED IN

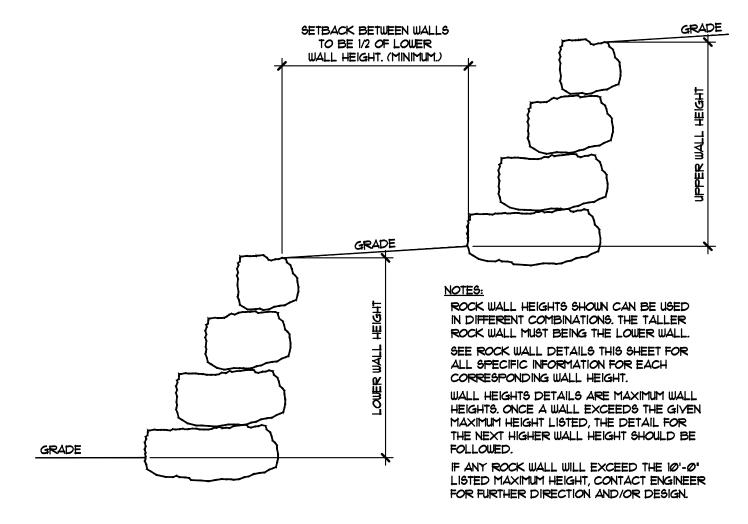
ACCORDANCE WITH THE DESIGN AND

DETAILS PROVIDED BY GEOSTRATA

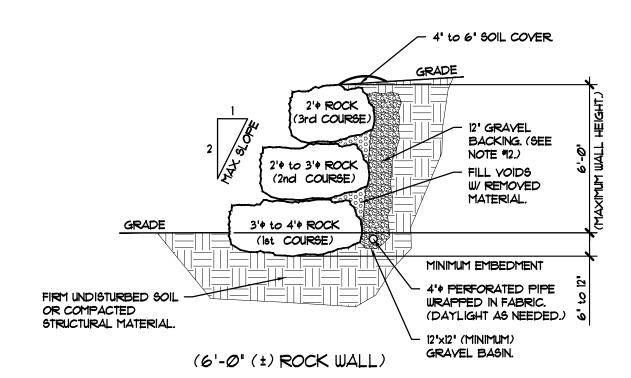
SECTION THRU ROCK WALL GP2 SCALE: NONE



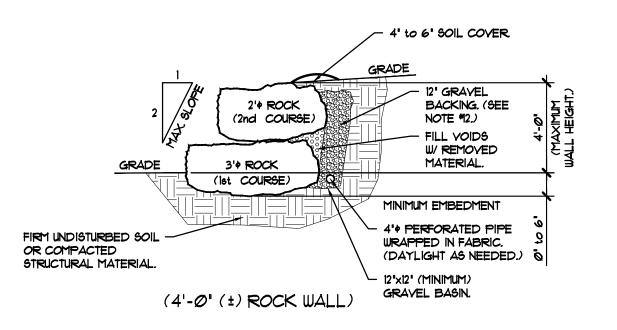
SECTION THRU ROCK WALL SCALE: NONE



SECTION THRU TWO TIER ROCK WALL SCALE: NONE



THRU ROCK WALL SCALE: NONE



THRU ROCK SCALE: NONE

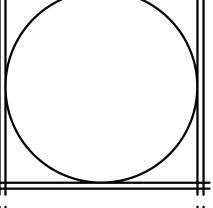


- SOIL SLOPES SHALL BE FREE DRAINING (SANDY GRAVELS) WITH MINIMAL AMOUNTS OF CLAY. FABRIC REQUIRED FOR ALL WALLS OVER 4'-0" EXCEPT FOR WELL GRADED GRAVEL WITH FINES. ROCKS SHALL BE ANGULAR GRANITE OR DOLOMITE STONES OR SIMILAR HARDNESS, EACH ARE TO BE
- NON-SOLUBLE, HARD AND DURABLE.
- ROCKS SHALL BE KEYED TOGETHER AND INTERLOCKED WITH LOWER ROCKS
- . BASE ROCKS SHALL BE BURIED TO THE DEPTHS SHOWN.
- EARTH SHALL BE THROUGHLY 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. A. ESTABLISHED VEGETATION IS REQUIRED ALONG THE TOP OF ALL WALLS TO PREVENT WASHING AND EROSION.

12. 12" OF GRAVEL BACKING NOT REQUIRED AS SHOWN IF NO WATER CONCERNS ARE PRESENT AND FREE DRAINING SOIL IS INSTALLED INSTEAD.

10. A MINIMUM SET BACK OF 1 1/2 TIMES THE WALL HEIGHT IS REQUIRED FROM ALL STRUCTURES. REQUIRED FROM ALL STRUCTURES. I. ALL WORK SHALL COMPLY WITH CURRENT APPLICABLE CODES.

GP2



ring **(1)**

ngine

SMU

RELEASE DATE: *03/03/*17

REVISIONS: date: *04/06/*17 PERMIT SET

JOE HUNTER



HOLDOWN SCHEDULE: MINIMUM REQUIRED ATTACHMENT: COMMENTS: MARK: MIN. DISTANCE FROM CENTER OF STRAP TO (24) 16d SINKERS LSTHD8/8RJ EDGE OF FOUNDATION IS 1 1/2' ON ALL CORNER INSTALLATIONS. MIN. DISTANCE FROM CENTER OF STRAP TO EDGE OF FOUNDATION IS 2" ON ALL CORNER INSTALLATIONS. (28) 16d SINKERS STHDIØRJ MIN. DISTANCE FROM CENTER OF STRAP TO EDGE OF FOUNDATION 19 2" ON ALL CORNER INSTALLATIONS. (38) 16d SINKERS STHD14RJ 5/8' THREADED ROD EPOXY INSTALLED (+4) (26) 16d COMMON NAILS HTT5 IN A PRE- DRILLED 3/4" HOLE AT 12" DEEP (MINIMUM) IN FOUNDATION WALL 1'4 THREADED ROD EPOXY INSTALLED (H5) 30) SIMPSON SDS 1/4" x 2 1/2" IN A PRE- DRILLED I 1/8'+ HOLE AT HDUII 18' DEEP (MINIMUM) IN FOUNDATION WALL. 1'4 THREADED ROD EPOXY INSTALLED 36) SIMPSON SDS 1/4" x 2 1/2" IN A PRE- DRILLED I 1/8' HOLE AT 24' DEEP (MINIMUM) IN FOUNDATION WALL. HDU14 CENTER STRAP SO EQUAL LENGTHS ARE (34) 16d SINKERS ON UPPER AND LOWER WALLS. CENTER STRAP SO EQUAL LENGTHS ARE MST72 (48) 16d SINKERS ON UPPER AND LOWER WALLS. 1/8' THREADED ROD BETWEEN FLOORS. INSTALL ON A 4x (MINIMUM) POST AT BOTH 20) SIMPSON SDS 1/4" x 2 1/2"

• ADVANCED SYSTEMS AHPAHD22L MAY BE SUBSTITUTED FOR SIMPSON MODEL AT MARKS HI, H2, 4 H3.

- ALL HOLDOWN TYPES SHOWN IN THIS SCHEDULE MAY NOT BE USED FOR THIS PLAN.
- ALL FOUNDATION "HOLDOWNS" AND BETWEEN LEVEL TIES SHALL BE ATTACHED TO A MINIMUM OF (2) 2x OR A 4x
- USE STANDARD WASHERS WHEN BOLTING HOLDOWNS TO THE STUDS OPPOSITE THE HOLDOWN, HOLDOWNS MUST BE LOCATED ON THE STUDS TO PROVIDE A MINIMUM OF (7) BOLT DIAMETERS BETWEEN THE HOLE AND THE END OF THE STUDS.
- FOUNDATION WALL CONCRETE STRENGTH SHALL BE 2,500 PSI (MINIMUM), INSTALL A MINIMUM OF (1) *4 HORIZONTAL REBAR IN SHEAR CONE ON ALL FOUNDATION HOLDOWNS.
- 16d SINKERS MAY BE REPLACED W/ 10d COMMON NAILS W/ NO REDUCTIONS (16d SINKERS = 0.148 o x 3 1/4" LONG, 100d COMMON = 0.148"0 x 3"). 'GUN NAILS' MAY NOT BE USED UNLESS SPECIFICALLY NOTED
- REFER TO ATTACHED CONCRETE SECTIONS AND DETAILS SHEET OR TO SIMPSON CATALOG C-2011 FOR APPLICABLE DETAILS AND ADDITIONAL INSTALLATION INSTRUCTIONS
- 'RJ' AFTER MODEL NUMBER INDICATES STHD'S FOR RIM JOIST APPLICATIONS. USE 'RJ' MODELS AT ALL RIM JOIST

SHEARWAII SCHEDIME

| WALL No.: | PLYWOOD THICKNESS: | EDGE NAILING AND SPACING: | A.B. SPACING: | SOLE PLATE NAILING AND SPACING: | COMMENTS: | |
|--------------|-------------------------|---|-----------------|------------------------------------|--|--|
| \triangle | 7/16" (ONE SIDE) | 8d's @ 6' O.C. | 32' <i>O.C.</i> | 16d's @ 6' O.C. | | |
| 2 | 7/16" (ONE SIDE) | 8d's # 4" O.C. | 32' <i>O.C.</i> | 16d's @ 4" O.C. | | |
| 3 | 7/16" * (ONE SIDE) | 8d's # 4" O.C. | 24' <i>O.C.</i> | 16d's @ 4" O.C. | DOUBLE STUDS OR 3" NOMINAL MEMBERS AT | |
| <u> </u> | 7/16" * (ONE SIDE) | 8d's @ 3' O.C. | 18' O.C. | 16d's @ 3' O.C. | ALL PANEL EDGES AND SEAMS. | |
| <u>\$</u> | 15/32" * (ONE SIDE) | 10d's @ 3' O.C. | 16' O.C. | 16d's @ 2" O.C. (STAGGERED) | FRAMING: AT ADJOINING: PANEL EDGES SHALL BE 3" NOMINAL MEMBERS | |
| € | 15/32" * (ONE SIDE) | 10d's @ 2' O.C. | 12' O.C. | 16d's @ 2" O.C. (STAGGERED) | (MINIMUM) AND NAILS ARE TO BE STAGGERED. | |
| WALL No.: | SHEETROCK THICKNESS: | COMMENTS: | | | | |
| <u>\$</u> | 5/8" (ONE SIDE) | UNBLOCKED, FASTEN W/ 5d COOLER NAILS ● 7' O.C. TO ALL STUDS, TOP & BOTTOM PLATES. | | | | |
| | • | | | • | • | |

NOTES:

- ALL SHEARWALL TYPES SHOWN IN THIS SCHEDULE MAY NOT BE USED FOR THIS PLAN.
- SHEATHING SHALL BE APA RATED OSB. SHEATHING PANEL EDGES SHALL BE BLOCKED. (SHEATHING SHALL EXTEND TO FOUNDATION SILL PLATE. SHEATHING SEAMS ARE TO BE MADE IN WALL AREA, NOT AT WALL TO FLOOR INTERFACE.) ANCHOR BOLTS SHALL BE A.S.TM. A307, 5/8" * X 10" LONG, WITH A MINIMUM EMBEDMENT OF 7" INTO CONCRETE FOUNDATION WALL. ANCHOR BOLT SPACING TO BE AS SHOWN ABOVE UNLESS OTHERWISE SHOWN ON FOUNDATION
- . DOUBLE STUDS TO BE NAILED TOGETHER W/ 16d NAILS @ 8" O.C., STAGGERED ONE FACE.
- 5. SILL PLATE NAILS MAY BE 16d SINKER NAILS OR 16d COMMON NAILS.

THICKNES

1'-Ø**'**

1'-Ø**"**

1'-Ø**'**

1'-0"

ALL FOOTING TYPES SHOWN IN THIS SCHEDULE MAY NOT BE USED FOR THIS PLAN.

- 6. FRAMING AT ADJOINING PLYWOOD PANEL EDGES SHALL BE 3" NOMINAL OR WIDER.
- MAXIMUM STUD SPACING TO BE # 16" O.C.

FOOTING SCHEDULE:

CONT.

CONT.

CONT.

CONT.

2'-**Ø"**

3'-6**'**

4'-**0"**

4'-6"

5'-**0'**

6'-0"

WIDTH:

1'-8**'**

1'-8**'**

2'-**@'**

4'-**0'**

2'-**Ø'**

3'-6**'**

4'-**0"**

4'-6**'**

5'-Ø**'**

6'-0'

F-3

F-5

F-9

F-10

NOTE:

- PROVIDE NAILS # 12" ON CENTER AT INTERMEDIATE SUPPORTS. NAILS TO BE SAME SIZE AS THOSE USE FOR EDGE
- ALL SHEATHING SHALL SPAN ACROSS MAIN FLOOR JOISTS AND NAIL INTO SILL PLATE OR ACROSS UPPER FLOOR JOISTS AND INTO MAIN FLOOR WALLS. BLOCK PANEL EDGES AT MAIN AND UPPER FLOOR WALLS.
- 9. 1 1/2" 16 GAGE (W/ T/16" CROWN (MIN.)) STAPLES INSTALLED W/ CROWN PARALLEL TO LONG DIMENSION OF FRAMING MEMBERS MAY BE USED IN LIEU OF 8d NAILS FOR SHEARWALLS 1, 2, \$ 3. SPACE STAPLES # 4" O.C. FOR /1/,
- ullet 3' O.C. FOR 2, 4 ullet 2' O.C. FOR 3. STAPLES ARE NOT PERMISSIBLE FOR SHEARWALLS 4, 5, 4 6.
- ALL FLOOR SHEATHING SHALL BE CONTINUOUSLY GLUED AND NAILED TO FLOOR JOISTS. ?. PANEL PORTIONS ABOVE AND/OR BELOW OPENINGS IN SHEARWALLS SHOULD BE CONSTRUCTED AS SHEARWALL.

NONE

NONE

NONE

NONE

(3)

(5)

(6)

(T)

(8)

(12)

CROSSWISE REINFORCEMENT:

2'-**Ø'**

3'-**Ø'**

3'**-6'**

4'-**0"**

4'-6"

5'-6"

CONCRETE NOTES:

- ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS OR SPECIFICATIONS
- REINFORCED CONCRETE DESIGN IS BY THE "ULTIMATE STRENGTH DESIGN METHOD", A.C.I. 318 (LATEST EDITION).
- SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS AND TYPES
- LOCATION IN STRUCTURE STRENGTH (PSI) **FOOTINGS** 3,000 (MINIMUM) SLABS ON GRADE 3500 (MINIMUM)
- FOUNDATION WALLS 3,000 (MINIMUM) UNLESS OTHERWISE SHOWN, MAKE ALL CONCRETE SLABS ON EARTH A MINIMUM OF 4" THICK.
- PROVIDE 2" x 4" x CONTINUOUS KEY IN ALL WALL FOOTINGS WHERE GROUND WATER IS PRESENT.
- LARGE AREAS OF SLAB ON GRADE SHALL BE PLACED IN STRIPS DIVIDED BY CONTRACTION OR CONSTRUCTION JOINTS INTO SQUARES (ROUGHLY) WHOSE SIDES SHALL NOT EXCEED 25'-0' IN EITHER DIRECTION.
- PLACE STEEL IN CENTER OF WALL AND DOWEL TO FOOTING OR TO STRUCTURE ABOVE AND BELOW WITH THE SAME DOWEL SIZE AND SPACING AS VERTICAL REINFORCEMENT. ALL DOWELS SHALL HAVE AT LEAST 30 DIAMETERS EMBEDMENT. PROVIDE CORNER BARS AT ALL INTERSECTING CORNERS. USE SAME SIZE BAR AND SPACING AS HORIZONTAL WALL REINFORCEMENT
- ADD (2) *5 BARS AROUND ALL OPENINGS AND EXTEND 24" BEYOND THE CORNER OF THE OPENINGS, FOR UP TO 6'-0" WIDE OPENINGS.
- PLACE FOOTINGS AS TO PROVIDE 36' MINIMUM FROST PROTECTION.
- Ø. PORTLAND CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE "I/II" WHERE IN CONTACT WITH SOIL AND TYPE "II"
- AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF A.S.T.M. C-33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
- CONCRETE MIXING OPERATIONS, ETC., SHALL CONFORM TO A.S.T.M. C-94.
- 3. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 614 AND PROJECT SPECIFICATIONS. 4. CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:
- - FORMED CONCRETE WITH EARTH BACKFILL 2' CLEAR
- ALL REINFORCMENT BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO POURING CONCRETE.
- PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE POURING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN NOTIFY STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
- CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED 30% OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.
- MODULES OF ELASTICITY OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH A.S.T.M. C469, SHALL BE AT LEAST THE VALUE GIVEN BY THE EQUATIONS IN SECTION 8.5.1 OF A.C.I. 318 FOR THE SPECIFIED 28-DAY STRENGTH.
- SHRINKAGE OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH A.S.T.M. C-151, SHALL NOT EXCEED 0.0004 INCHES PER INCH.

EQUIVALENT FASTENERS SCHEDULE:

TABLE OF EQUIVALENT FASTENERS FOR STAPLES, NAILS AND T-NAILS (USED FOR SHEARWALLS AND DIAPHRAGMS)

| COMMON NAIL SPACING NOTED ON PLANS: | | EQUIVALENT SPACING OF APPROVED FASTENERS: | | | | | |
|-------------------------------------|--|---|----------|--------|--------|--------------------|--|
| COMMON NAIL SPACIN | SO II DISTORIL OF POINTS HOLD ON FERMO | | STAPLES: | | | NAILS AND T-NAILS: | |
| | GAUGE: | 16 | 15 | 14 | 113 | 131 | |
| | PENETRATION (MIN.): | 1• | 1" | l, | 1 1/4" | 1 1/2' | |
| | 3' | 2' | 2 1/2' | 3' | 2 1/2' | 3' | |
| | 4' | 2 1/2' | 3 1/2" | 4' | 3 1/2" | 4' | |
| 8d ● | 6' | 4' | 5' | 6' | 5' | 6' | |
| | 8' | 5 1/2" | 6 1/2' | 8' | 6 1/2" | 8' | |
| | 10' | 6 1/2" | 8' | 10' | 8' | 10' | |
| | 12' | 8' | 10' | 12' | 9 1/2' | 12" | |
| lød• | 3' | 1 1/2" | 2' | 2' | 2' | 2 1/2' | |
| | 4' | 2' | 2 1/2" | 3' | 2 1/2" | 3 1/2" | |
| | 6' | 3 1/2" | 4' | 5' | 4' | 5' | |
| | 8' | 4 1/2" | 5 1/2" | 6 1/2' | 5 1/2" | יד | |
| | 10' | 5 1/2" | יד | 8' | 6 1/2' | 8 1/2" | |
| | 12' | 6 1/2" | 8' | 9 1/2" | 8 1/2" | 10' | |

SPACE:

1'-2"

1'-2"

Ø'-1Ø**'**

Ø'-8**"**

Ø'-8**'**

Ø'-8**'**

Ø'-8**'**

Ø'-8**'**

0'-6"

LENGTHWISE REINFORCEMENT

CONT.

CONT.

CONT.

CONT.

2'-**0'**

3'-**0'**

3'**-6'**

4'-**0"**

4'-6"

5'-6**'**

SPACE:

Ø'-8**'**

Ø'-8**'**

Ø'-8**'**

Ø'-8**'**

Ø'-8**'**

Ø'-6**'**

(3)

(3)

(6)

(8)

(12)

PENETRATION IS THE DEPTH OF EMBEDMENT OF THE STAPLE OR NAIL INTO THE MAIN MEMBER REQUIRED TO ATTAIN ITS FULL CAPACITY (SHEAR VALUE) TO LATERAL LOADING.

SPECIAL INSPECTIONS

- SPECIAL INSPECTION IS REQUIRED ON ALL FIELD (ON SITE) WELDING. INSPECTOR TO VERIFY WELD PROCEDURE,
- ACTUAL WELDS AND THAT WELDING WAS PERFORMED WITH ETØ ELECTRODES. SPECIAL INSPECTION IS REQUIRED ON BOLTED CONNECTIONS WITH BOLTS SPECIFIED AS A325 OR A490. INPSECTOR
- TO VERIFY BOLT SIZE, MATERIAL TYPE AND INSTALLATION. SPECIAL INSPECTION IS REQUIRED FOR ALL I.C.B.O. STUCCO SYSTEMS

PERIMETER FTG.

INTERIOR FTG.

PERIMETER FTG.

PERIMETER FTG.

SPOT FTG.

SPOT FTG.

SPOT FTG.

SPOT FTG.

SPOT FTG.

SPOT FTG.

CONTRACTOR TO ENGAGE A CERTIFIED INSPECTION AGENCY FOR ALL SPECIAL INSPECTIONS.

OVERBUILD SCHEDULE:

| SPAN: | FRAMING MEMBER SIZE AND SPACING: |
|------------|----------------------------------|
| Ø' TO 8' | 2x8's ● 24' O.C. |
| 8' TO 10' | 2x10's @ 24" O.C. |
| 10' TO 12' | 2x12's ● 24' O.C. |
| | |

FOR RIDGE AND HIP BEAMS USE (1) MEMBER ONE SIZE LARGER THAN MEMBER USED FOR RAFTERS. (I.E. FOR 2x8 RAFTER, USE A 2x10 FOR RIDGE AND HIP BEAMS)

| SPAN: | FRAMING MEMBER SIZE AND SPACING: |
|------------|----------------------------------|
| Ø' TO 8' | 2x8's ● 24' O.C. |
| 8' TO 10' | 2xlØ's ● 24" O.C. |
| 10' TO 12' | 2×12's ● 24' O.C. |
| 12' TO 14' | 2x12's @ 16' O.C. |

PLYWOOD NOTES:

- ALL PLYWOOD SHALL BE C-D EXTERIOR SHEATHING WITH EXTERIOR GLUE AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.
- LAY UP FLOOR AND ROOF PLYWOOD WITH THE FACE GRAIN PERPENDICULAR TO SUPPORTS, USING A MINIMUM OF (5) PLY PLYWOOD. STAGGER JOINTS.
- ALL NAILING TO BE DONE WITH COMMON NAILS.
- 4. ALL PLYWOOD SHALL BE OF THE SPAN/INDEX RATIO AND SHALL BE NAILED AS SHOWN ON THE PLANS.
- 5. AT ALL LOCATIONS ON DRAWINGS WHERE PLYWOOD IS INDICATED, CONTRACTOR MAY SUBSTITUTE ORIENTED STRAND BOARD AS AN ALTERNATE.
- ORIENTED STRAND BOARD SHALL COMPLY WITH THE AMERICAN PLYWOOD ASSOCIATION STRUCTURAL USE PANELS QUALITY ASSURANCE POLICY AND ALL SHEETS SHALL BE MARKED WITH THE A.P.A. VALIDATION MARK. ALL THICKNESSES AND NAILING OF ORIENTED STRAND BOARD SHALL BE AS SHOWN ON DRAWINGS FOR PLYWOOD.

WOOD TRUSS NOTES

THE SPAN INDEX SHALL BE AS SHOWN FOR PLYWOOD.

- TRUSSES SHALL BE DESIGNED TO SUPPORT THE WEIGHT PLUS LIVE LOAD AND SUPERIMPOSED DEAD LOADS STATED IN THE GENERAL STRUCTURAL NOTES OR LOCATED ON THE PLANS.
- BRIDGING SIZE AND LOADS STATED IN THE GENERAL STRUCTURAL NOTES OR LOCATED ON THE PLANS. BRIDGING SIZE AND SPACING BY TRUSS MANUFACTURER (UNLESS NOTED OTHERWISE)
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND ERECTION DRAWINGS FOR REVIEW PRIOR TO MANUFACTURE. CALCULATIONS AND SHOP DRAWINGS SHALL SHOW ANY SPECIAL DETAILS REQUIRED AT BEARING POINTS.
- ALL CONNECTIONS SHALL HAVE CURRENT I.C.B.O. APPROYAL.
- ADDITIONAL TRUSSES SHALL BE SUPPLIED AS REQUIRED TO SUPPORT MECHANICAL EQUIPMENT.

Framing Notes:

- ALL BEARING HEADERS, JOISTS AND BEAMS SHALL BE Fb-850 PSI (DOUG FIR NO. 2 OR BETTER), ALL BEARING COLUMNS SHALL BE FC-625 PSI (DOUG FIR NO. 2 OR BETTER). ALL BEARING STUDS & TRIMMERS SHALL BE FC-405 PSI (DOUG FIR NO. 2 OR BETTER). FOR MAXIMUM HEIGHTS ALLOWED SEE STUD WALL HEIGHT SCHEDULE. GLU-LAMINATED MEMBERS SHALL HAVE A MINIMUM ALL ALLOWABLE BENDING STRESS OF 2,400 PSI (24F-V4). LAMINATED VENEER LUMBER SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 2*800* PSI.
- PROVIDE SOLID BLOCKING (MINIMUM 2x THICKNESS) AT FULL DEPTH OF JOISTS AT ENDS AND AT EACH SUPPORT OF JOISTS. PROVIDE SOLID BLOCKING AT BEARING ENDS OF TRUSSES.
- LAMINATED BUILT-UP BEAMS OF 2x MEMBERS SHALL BE SPIKED TOGETHER WITH NOT LESS THAN (2) ROWS 16d NAILS & 12" O.C., STAGGERED TOP AND BOTTOM. USE (2) 20d COMMON NAILS AT ALL SUPPORTS.
- ALL STRUCTURAL SHEATHING SHALL BE A.P.A. RATED AND SHALL NOT EXCEED MAXIMUM SPAN RATING. ROOF SHEATHING SHALL BE 1/16" STRUC II WITH A SPAN RATING OF 32/16. ROOF SHEATHING SHALL BE FASTENED TO TRUSSES/ RAFTERS AND BLOCKING WITH 8d NAILS @ 6" O.C. AT BOUNDARY AND EDGES, AND W/ 8d NAILS @ 12" O.C. AT FIELD. FLOOR SHEATHING SHALL BE 3/4" STRUCT II T&G WITH A SPAN RATING OF 40/20. FLOOR SHEATHING SHALL BE FASTENED TO FLOOR JOISTS AND BLOCKING WITH 8d NAILS @ 6" O.C. AT BOUNDARY AND EDGES, AND
- TRUSSES TO BE DESIGNED AND ENGINEERED BY MANUFACTURER AND GUARANTEED TO WITHSTAND LOADS AS SHOWN IN DESIGN BASIS TABLE BELOW. TRUSS MANUFACTURER TO DESIGN TRUSSES FOR ALL APPLICABLE SNOW LOADING CONDITIONS AS PER 2006 EDITION OF THE INTERNATIONAL BUILDING CODE.
- PROVIDE FIRE BLOCKING IN ANY STUD CAVITIES GREATER THAN 10'-0'.
- . PROVIDE SIMPSON H2.5 ANCHORS 24" O.C. ON BEARING ENDS OF ALL TRUSSES & RAFTERS. 8. PROVIDE JOIST HANGERS WHERE SHOWN OR WHERE APPLICABLE.
- PROVIDE TRIMMERS/ STUDS UNDER BEARING ENDS OF GIRDER TRUSSES AND BEAMS EQUIVALENT TO THE WIDTH OF THE MEMBER SUPPORTED
- Ø. PROVIDE GABLE END TRUSSES AS REQUIRED.
- II. PROVIDE CROSS BRIDGING IN SPANS GREATER THAN 8'-0".
- 12. FRAMING TO INCLUDE ALL FURR DOWNS, PLANT SHELVES AND CEILING RAFTERS AS PER PLAN.
- 3. ALL HEADERS TO BE (2) 2x8's MINIMUM (UNLESS NOTED OTHERWISE).
- 4. ALL NON-BEARING INTERIOR FRAMING # 16" O.C.
- ALL WOOD BEAMS AND HEADERS SHALL BEAR ON MINIMUM OF (1) TRIMMER STUD AT EACH END (UNLESS SHOWN
- PROVIDE SOLID BLOCKING IN FLOORS TO TRANSFER COLUMN POINT LOADS THROUGH FLOOR USE 194' x 9½', 1176' AND 14" L.Y.L.'S TO MATCH FLOOR SYSTEM.
- HOT TUBS OR OTHER OWNER INSTALLED ITEMS THAT IMPOSE HEAVY LOADS ON STRUCTURAL MEMBERS WILL REQUIRE ADDITIONAL ENGINEERING IF NOT SHOWN ON ORIGINAL PLANS USED FOR DESIGN. STRUCTURAL MEMBERS MAY NEED TO BE INCREASED FOR THE ADDITIONAL IMPOSED LOADING.

DESIGN BASIS TABLE:

| - GOVERNING BUILDING CODE | |
|----------------------------------|------------------------|
| - SEISMIC DESIGN AS PER SECTION | |
| WIND DESIGN (BASIC WIND SPEED) | 115 M.P.H., EXPOSURE C |
| DESIGN SOIL BEARING PRESSURE | |
| ROOF LIVE LOAD | 60 PSF |
| DEAD LOAD | 17 PSF |
| FLOOR LIVE LOAD | 40 PSF |
| DEAD LOAD | 15 PSF |
| EXTERIOR BALCONY/ DECK LIVE LOAD | 60 PSF |
| DEAD LOAD | 15 PSF |

Bearing Wall Height Schedule:

| STUD SIZE AND SPACING: | LUMBER TYPE: | TRUGGES OR RAFTERS PERPENDICULAR TO WALL: | TRUSSES OR RAFTERS PARALLEL TO WALL: |
|------------------------|--------------|--|---|
| 2x4's • 16" O.C. | DOUGLAS FIR | 10'-0" MAXIMUM STUD HEIGHT | 12'-0" MAXIMUM STUD HEIGHT |
| 2x4's • 12" O.C. | DOUGLAS FIR | 12'-0" MAXIMUM STUD HEIGHT | 14'-0" MAXIMUM STUD HEIGHT |
| 2x6's • 16" O.C. | DOUGLAS FIR | 14'-0' MAXIMUM STUD HEIGHT | 18'-0" MAXIMUM STUD HEIGHT |
| 2x6's • 12' O.C. | DOUGLAS FIR | 16'-0" MAXIMUM STUD HEIGHT | 20'-0' MAXIMUM STUD HEIGHT |
| 134"x51/2" • 16" O.C. | L.V.L. STUDS | 18'-6" MAXIMUM STUD HEIGHT | 22'-Ø' MAXIMUM STUD HEIGHT |
| 194"x51/2" @ 12" O.C. | L.V.L. STUDS | 21'-6" MAXIMUM STUD HEIGHT | 24'-0" MAXIMUM STUD HEIGHT |

- DOUGLAS FIR LUMBER MUST BE NO. 2 OR BETTER (E = 1,600,000 PSI)
- LAMINATED VENEER LUMBER (L.Y.L.) SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 2,800 PSI.
- 3. 17'-0' MAXIMUM TRUSS OR RAFTER BEARING LOAD. 4. SCHEDULE REFLECTS UN-BRACED WALL HEIGHTS.
- FULL HEIGHT STUD WALLS WHICH ARE BRACED LATERALLY (TRUSSES OR RAFTERS) MAY HAVE REDUCED WALL HEIGHTS TO THE POINT AT WHICH THE FIRST LATERAL BRACE OCCURS, SPECIAL STUD SPACING CONDITIONS WILL BE NOTED ON THE FLOOR PLANS AND SECTIONS AS DESIGNATED BY THE STRUCUTRAL ENGINEER.

DISCLAIMERS:

- VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ENGINEER DO NOT CONSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS AND ARE MERELY FOR THE PURPOSE OF OBSERVING THE WORK BEING PERFORMED.
- CONTRACTORS SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE
- CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND ELEVATIONS, ETC., AT THE SITE AND SHALL COORDINATE WORK PERFORMED BY ALL TRADES. DO NOT SCALE OFF ANY DRAWINGS. TEMPORARY BRACING SHALL BE PROVIDED WHEREVER NECESSARY TO TAKE CARE OF ALL THE LOADS TO WHICH
- THE STRUCTURE MAY BE SUBJECTED, INCLUDING WIND. SUCH BRACING SHALL BE LEFT IN PLACE AS MAY BE REQUIRED FOR SAFETY, OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETE. CONTRACTOR AND ALL SUBCONTRACTORS SHALL PERFORM THEIR TRADES AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE 2015 INTERNATIONAL BUILDING CODE/ INTERNATIONAL
- RESIDENTIAL CODE, (OR LATEST ACCEPTED CODE ADOPTED BY THE LOCAL BUILDING OFFICIALS). ANY SPECIAL INSPECTIONS REQUIRED BY THE BUILDING OFFICIAL OR THE INTERNATIONAL BUILDING CODE/
- INTERNATIONAL RESIDENTIAL CODE ARE THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR DESIGN OF MASONRY FIREPLACES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, DESIGN OF REINFORCING AND ANCHORAGE SHALL CONFORM TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE 2015 INTERNATIONAL BUILDING CODE/ INTERNATIONAL RESIDENTIAL CODE, (OR LATEST ACCEPTED CODE ADOPTED BY THE LOCAL BUILDING OFFICIALS.)

GENERAL NOTES & REQUIREMENTS:

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT/ DESIGNER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- DIMENSIONS SHOWN SHALL ALWAYS TAKE PRECEDENCE OVER SCALE SHOWN ON DRAWINGS. . NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
- THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE/ INTERNATIONAL RESIDENTIAL CODE, AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THE NOTES AND SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
- SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS (EXCEPT AS NOTED). - SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NONBEARING PARTITIONS. - SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFER, GROOVES, INSERTS, ETC.
- SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS (EXCEPT AS SHOWN). - FLOOR AND ROOF FINISHES.

SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:

- ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.

- STAIR FRAMING AND DETAILS (EXCEPT AS SHOWN). - DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES. - SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOUNTS. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTORS SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO,

- PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC. (EXCEPT AS SHOWN OR NOTED).

- BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC., OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOYE ITEMS. OPENINGS, POCKETS, ETC., LARGER THAN 6 INCHES SHALL NOT BE PLACED IN SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS
- BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS. ASTM SPECIFICATIONS NOTED SHALL BE THE LATEST EDITION.
- CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FLOORS OR ROOF, LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/ OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.

EXCAVATION & SOIL NOTES:

- FOOTING DESIGN IS BASED ON AN MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2,500 PSF (REF: GEOSTRATA GEOTECHNICAL DOCUMENTS, JOB NO. 910-001). ALL FOOTING EXCAYATIONS SHOULD BE OBSERVED BY THE
- GEOTECHNICAL ENGINEER PRIOR TO ANY FOOTING PLACEMENT CONTRACTOR TO CONTRACT WITH GEOSTRATA ON ASSESSING EXCAVATIONS AND SOIL CONDITIONS IN ORDER TO EVALUATE THEIR COMPATIBILITY WITH THE SOIL REPORTS RECOMMENDATIONS.
- ANY PLACEMENT OF STRUCTURAL FILL AND/OR COMPACTION TO BE PERFORMED PER THE GEOTECHNICAL REPORT SECTION 6.2.4.

REINFORCING STEEL NOTES:

- ALL STEEL REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. A615-68 GRADE 60, WITH A
- MINIMUM YIELD STRENGTH OF 60,000 PSI. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- ALL REINFORCING BARS SHALL BE DETAILED, BOLSTERED AND SUPPORTED IN ACCORDANCE WITH A.C.I. 315. ALL REINFORCEMENT BARS SHALL BE SECURELY ANCHORED TO THE FOUNDATION WALL FORMS AND SPACED
- FOR CONCRETE NOT EXPOSED DIRECTLY TO THE GROUND OR WEATHER, 3/4" IN WALLS AND SLABS. - FOR CONCRETE EXPOSED TO THE GROUND OR WEATHER, 2' IN WALLS, 3' ABOVE BOTTOM OF FOOTINGS.
- ALL REINFORCING BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE ALL REINFORCING BAR SPLICES SHALL BE MADE IN A REGION OF COMPRESSION (UNLESS SHOWN OTHERWISE). ALL
- SPLICES IN CONTINUOUS REINFORCING BARS SHALL BE: - 36 BAR DIAMETERS IN CONCRETE ("CLASS "C")
- 52 BAR DIAMETERS IN CM.J. WALLS (UNLESS NOTED OTHERWISE. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6" OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE, AND SPACING OR

STRUCTURAL STEEL NOTES:

NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

- ALL PHASES OF WORK PERTAINING TO STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL STEEL (LATEST EDITION OF THE INTERNATIONAL BUILDING CODE AND THE MANUAL
- ALL STRUCTURAL STEEL SHALL BE A.S.TM. A992 (Fy = 50,000 PSI). ALL STRUCTURAL STEEL PIPE COLUMNS SHALL BE ASTM A53, GRADE B.
- I. ALL ANCHOR BOLTS SHALL BE A3ØT (UNLESS NOTED OTHERWISE). 5. ALL BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL BE ASTM A325 (UNLESS NOTED OTHERWISE).
- . ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT
- EXPERIENCE IN THE TYPE OF WELDING SHOWN ON THE DRAWINGS OR NOTES. ALL WELDING SHALL BE DONE USING ETØXX SERIES ELECTRODES (LOW HYDROGEN RODS) AND SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "THE AMERICAN WELDING SOCIETY" STANDARDS.

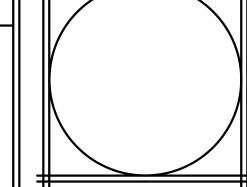
GLUE LAMINATED MEMBER NOTES:

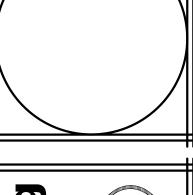
- GLUE-LAMINATED BEAMS SHALL BE 24F-V8 AND HAVE THE FOLLOWING MINIMUM PROPERTIES:
- Fb = 2400 PSI Fv = 165 PSI Fc (PERPENDICULAR) = 450 PSI E = 1,800,000 PSI ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE.
- B. FABRICATION AND HANDLING PER LATEST A.I.T.C. STANDARDS.
- BEAMS TO BEAR GRADE STAMP, A.I.T.C. STAMP AND CERTIFICATE. . MOISTURE CONTENT SHALL BE LIMITED TO 12% OR LESS.
- ALL GLUE LAMINATED TIMBER MEMBERS SHALL HAVE A MINIMUM BENDING STRESS OF 2,400 PSI.

LUMBER NOTES:

OTHERWISE).

- FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH (NORTH) NO. 2 GRADE FOR 4x LUMBER, NO. 1 GRADE FOR 6x LUMBER AND STUD GRADE FOR 2x LUMBER (UNLESS NOTED OTHERWISE). BOLT HOLES SHALL BE 1/16" MAXIMUM LARGER THAN THE BOLT SIZE. RETIGHTEN ALL NUTS PRIOR TO CLOSING IN.
- STANDARD CUT WASHERS SHALL BE USED UNDER BOLT HEADS AND NUTS AGAINST WOOD. ALL SILLS OR PLATES RESTING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR. ANCHOR
- BOLTS SHALL BE PLACED 9' FROM THE END OF A PLATE, OR FROM A NOTCH GREATER THAN 1/2 THE WIDTH OF A PLATE, AND PLACED AT INTERVALS NOTED. DO NOT NOTCH JOISTS, RAFTERS, OR BEAMS, EXCEPT WHERE SHOWN IN DETAILS. OBTAIN ENGINEERS APPROVAL FOR ANY HOLES OR NOTCHES NOT DETAILED. HOLES THRU SILLS, PLATES, STUDS, AND DOUBLE PLATES IN INTERIOR
- BEARING AND SHEAR WALLS SHALL NOT EXCEED 1/3 THE PLATE WIDTH. USE BORED HOLES LOCATED IN THE CENTER OF THE STUD OR PLATE. APPROVED CROSS-BRIDGING OR SOLID BLOCKING SHALL BE SPACED AS FOLLOWS: - FOR RAFTERS MORE THAN 8 IN. IN DEPTH, AT 10 FT. O.C. MAXIMUM.
- FOR FLOOR JOIST MORE THAN 4 IN. IN DEPTH, AT 8 FT. O.C. MAXIMUM. NAILING SCHEDULE PER 2015 EDITION OF THE INTERNATIONAL BUILDING CODE, TABLE 2304.9.1 (UNLESS NOTED





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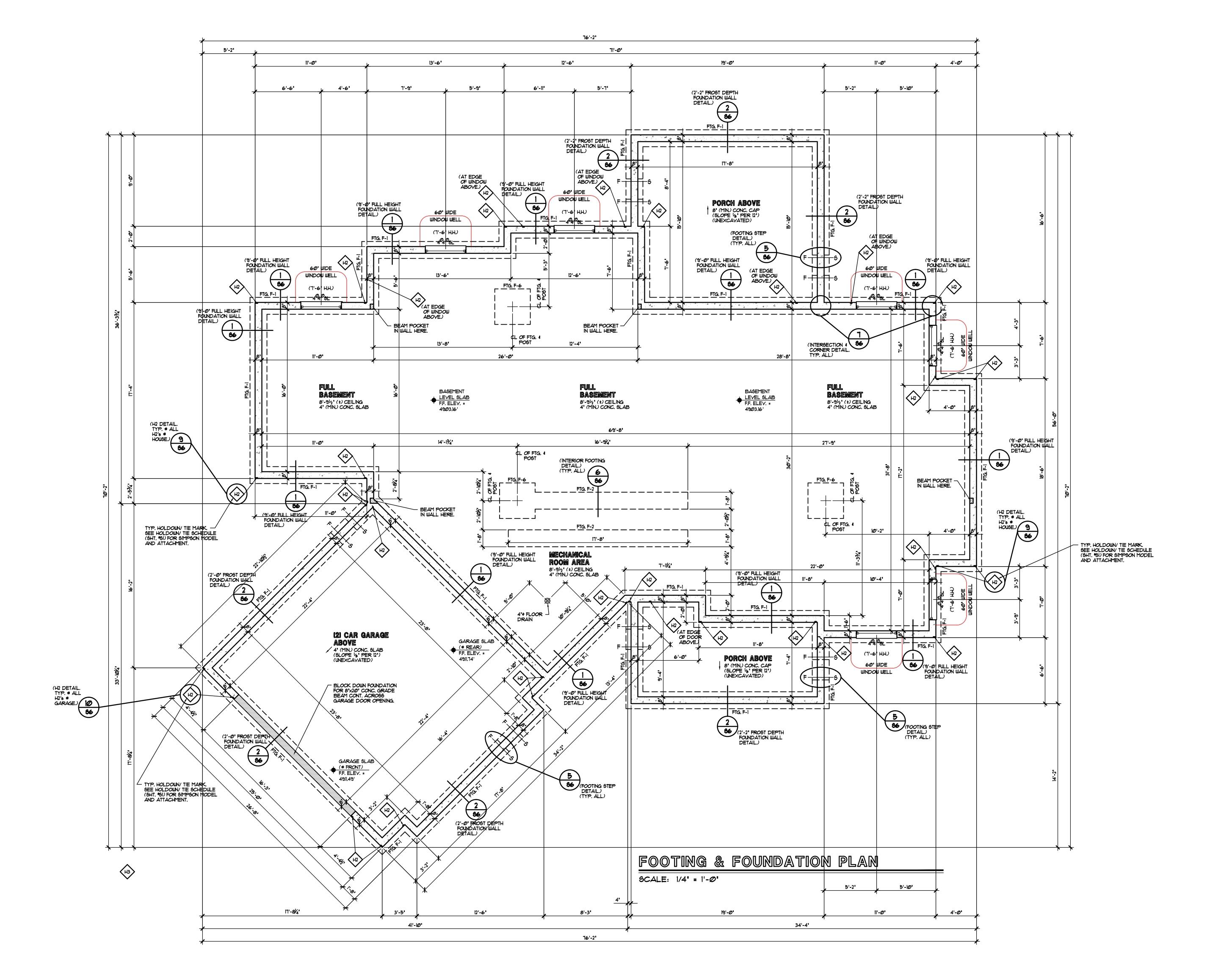
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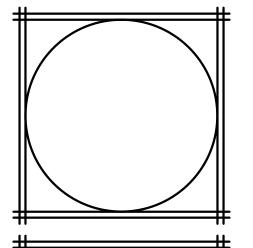
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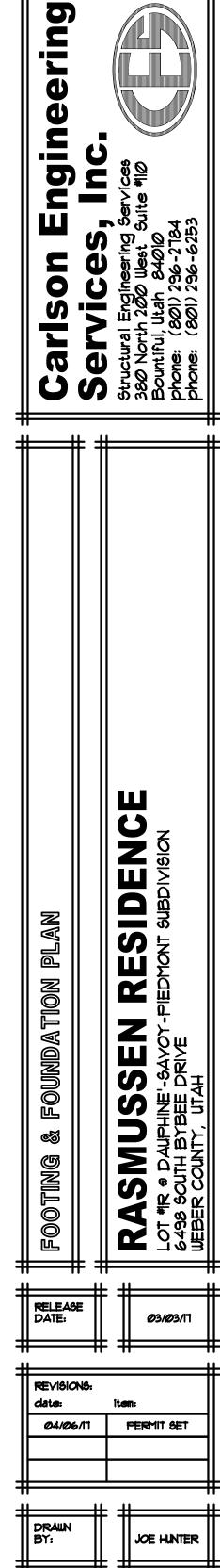
RELEASE

JOE HUNTER







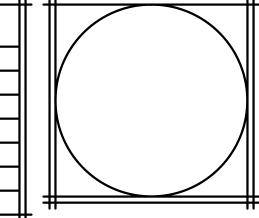


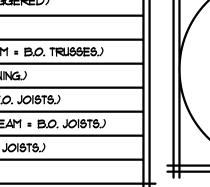
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S2

| FLOOR BEAM SCHEDULE: (** NOTE: BOLT (2) 2x PLATES TO TOP 4 BOTTOM FLANGES OF BEAM W/ 1/2 ** CARRIAGE BOLTS ** 16* O.C. STAGGERED) | | | |
|--|------------|--|--|
| MARK: | BEAM TYPE: | BEAM SIZE: | DESCRIPTION/ NOTES: |
| FB-1 | GL.B. | 51/8"x15" | (OPTION: (3) 194"x16" L.V.L.'s) BEAM OVER GARAGE BAY AREA. (T.O. BEAM = B.O. TRUSSES.) |
| FB-2 | L.YL. | (3) 134 'x1136' | HEADER OVER GARAGE DOOR OPENING. (B.O. BEAM = T.O. DOOR OPENING.) |
| FB-3 | L.YL. | (3) 13/4 'x113/6" | BEAM IN CEILING OVER LAUNDRY/ 3/4 BATH/ HALL AREA. (T.O. BEAM = T.O. JOISTS.) |
| FB-4 | L.Y.L. | (2) ¹³ 4"x14" | (OPTION: (3) P4'XII'%') 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 = 11/2" BELOW B.O. JOISTS.) |
| FB-6 | L.YL. | (3) ³ 4'x ⁷ 8' | BEAM OVER UNFINISHED BASEMENT AREA. (T.O. BEAM = B.O. JOISTS.) |







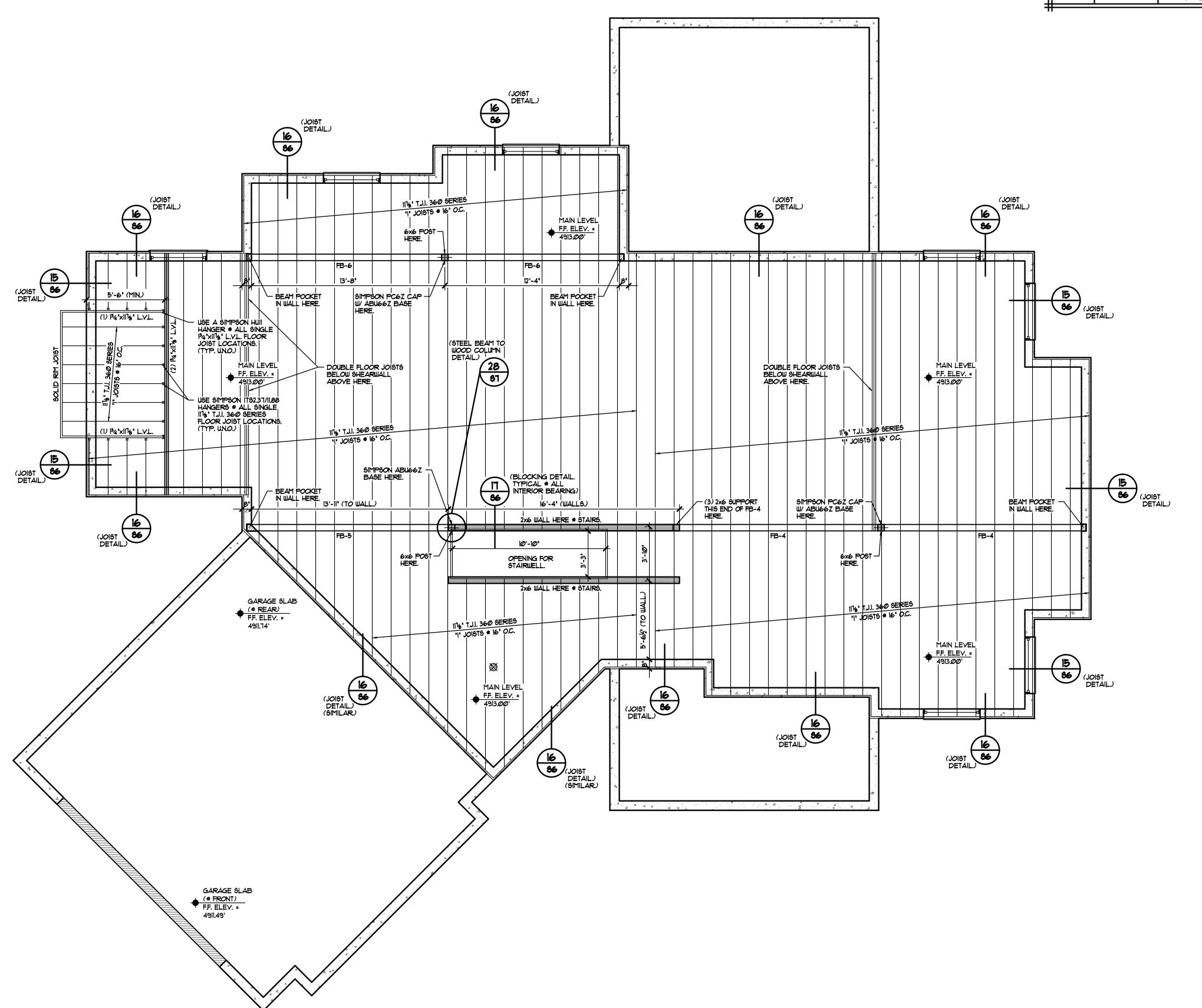
USE 3/4" A.P.A. RATED O.S.B. T&G SHEETING NAILED AND GLUED W/ 100d NAILS @ 6" O.C. AT DIAPHRAGM BOUNDARIES AND PANEL SUPPORTED EDGES. FIELD NAIL W/ 100d NAILS @ 12" O.C.

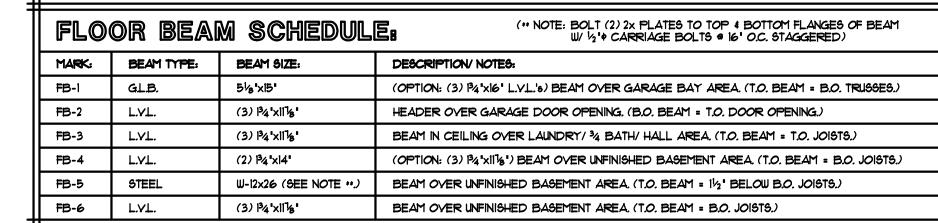
ALL INTERIOR BEARING: HEADERS ARE TO BE (2) 2x8's (MIN.). ALL EXTERIOR BEARING: HEADERS ARE TO BE (2) 2x10's (MIN.). TYPICAL. ALL UNO.

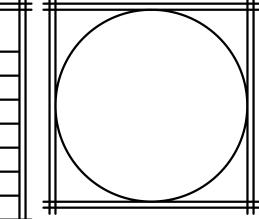
Engineering S, Inc. Services
Structural Engineering
380 North 200 West
Bountiful, Utah 84018 RESIDENC PIEDMONT SUBDIVISION RELEASE DATE:

REVISIONS: date: 04/06/IT PERMIT SET

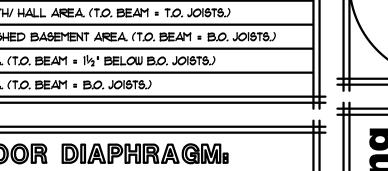
S3







(1)





USE 3/4" A.P.A. RATED O.S.B. T&G SHEETING NAILED AND GLUED W/ IØd NAILS @ 6" O.C. AT DIAPHRAGM BOUNDARIES AND PANEL SUPPORTED EDGES. FIELD NAIL W/ IØd NAILS @ 12" O.C.

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

HERE.

SEE SHEET #55 FOR SIZE & SUPPORT OF ALL ROOF BEAMS (I.E. RB's) SHOWN

Engine s, Inc. Parison

Parison

Pervices

Puctural Engineering

North 200 West

Sountiful, Utah 840k

Cone: (801) 296-2

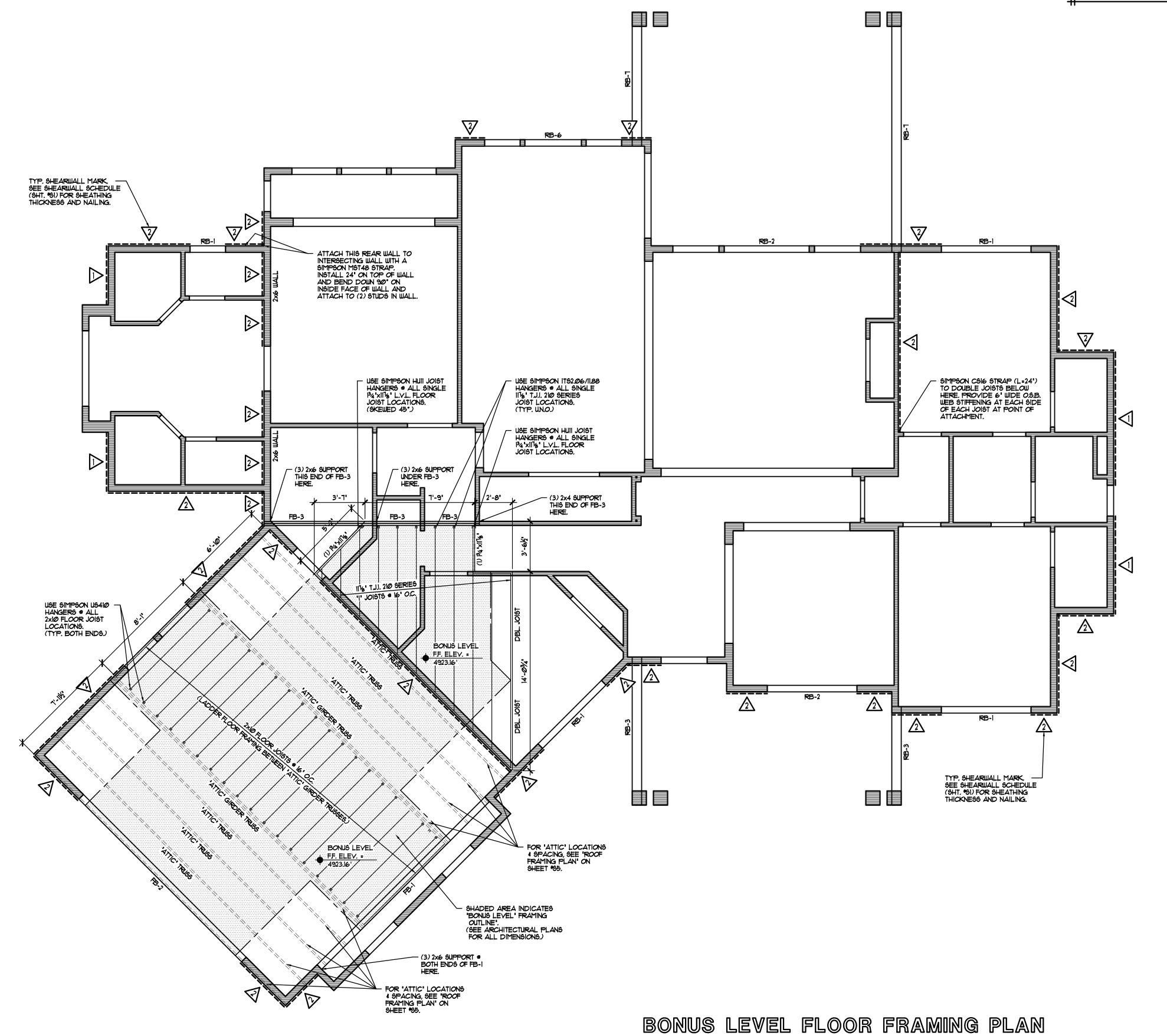
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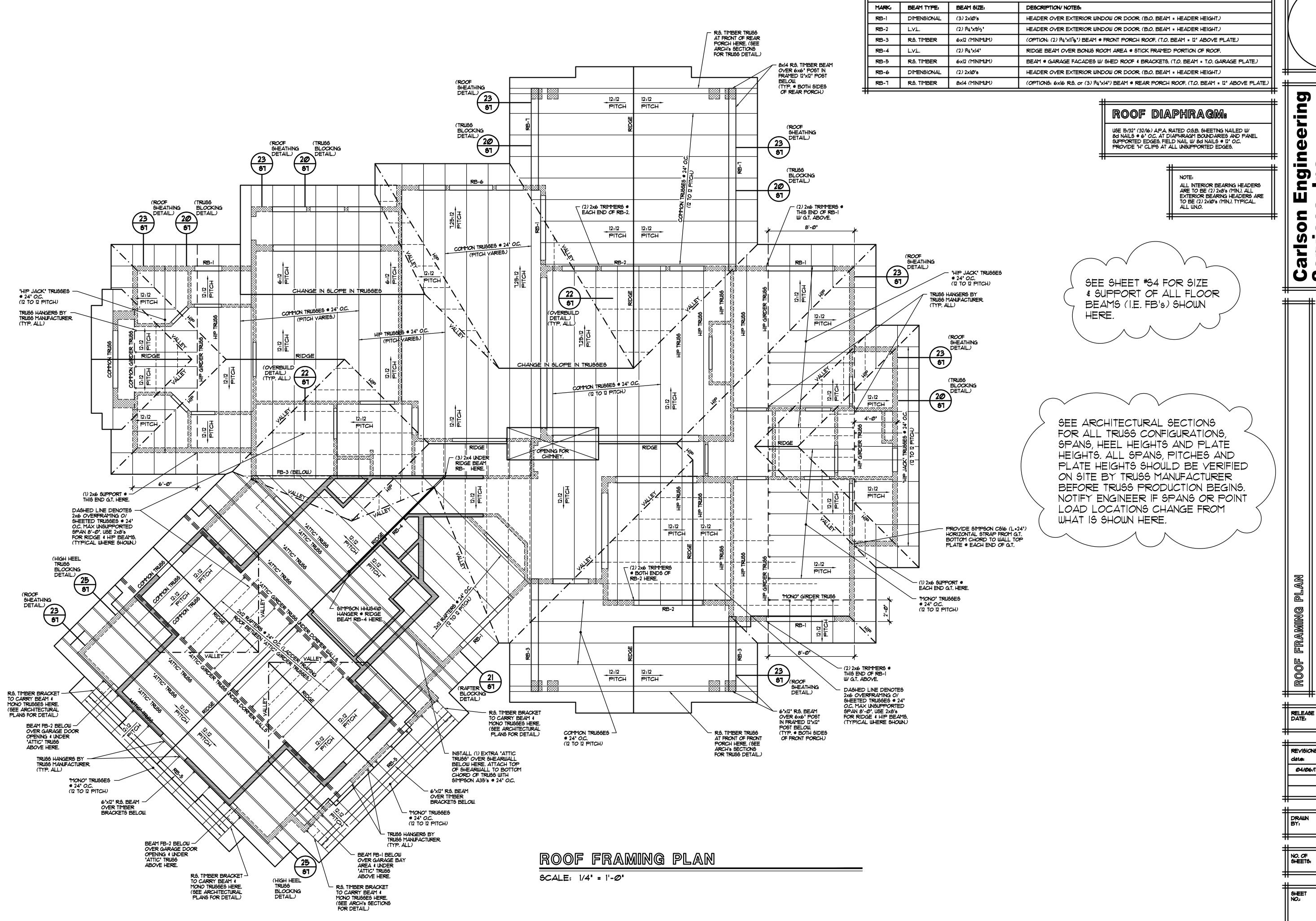
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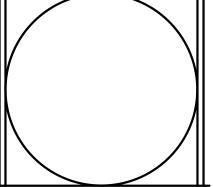
NO. OF SHEETS:

S4



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





ROOF BEAM SCHEDULE:

ring **(1)**

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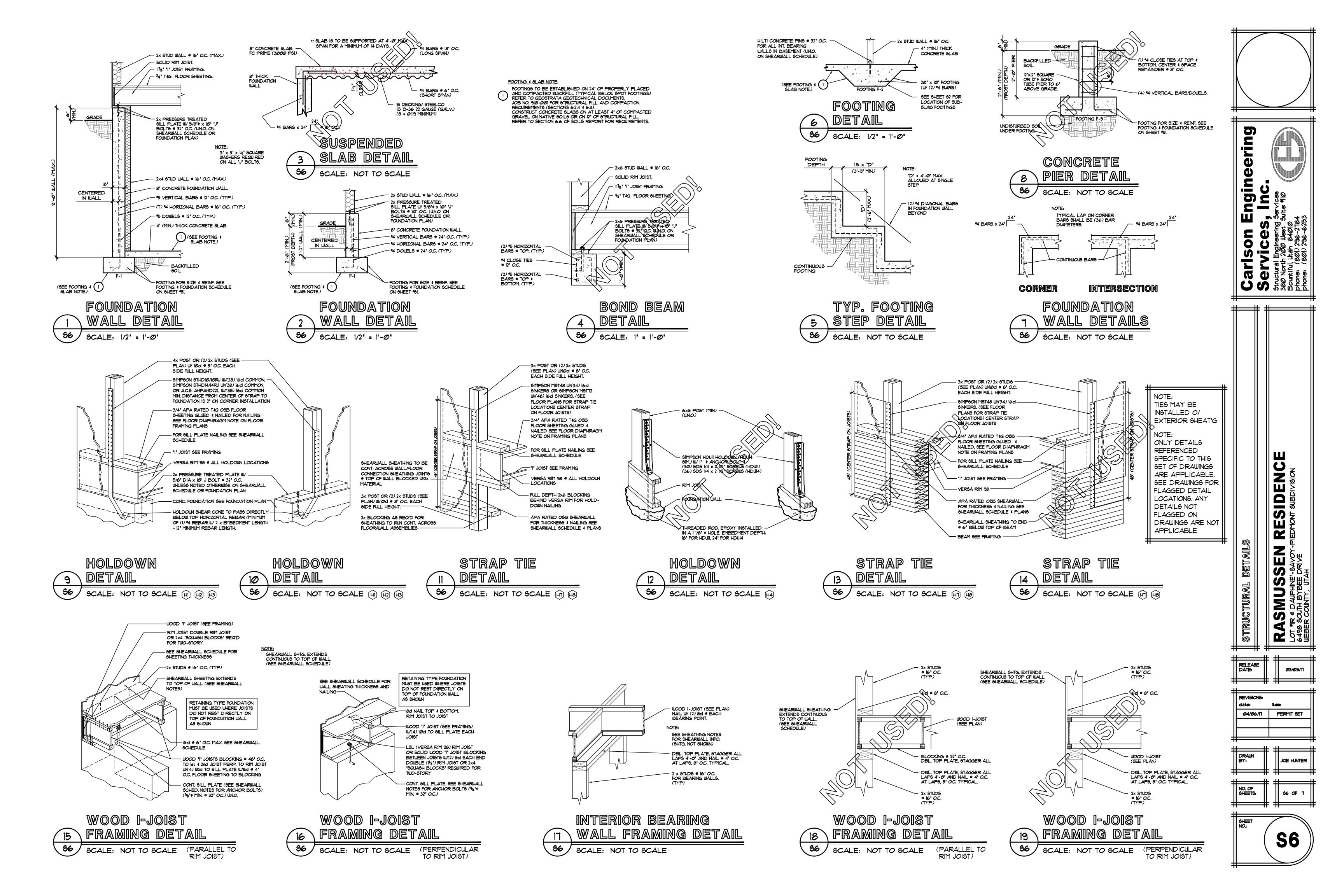
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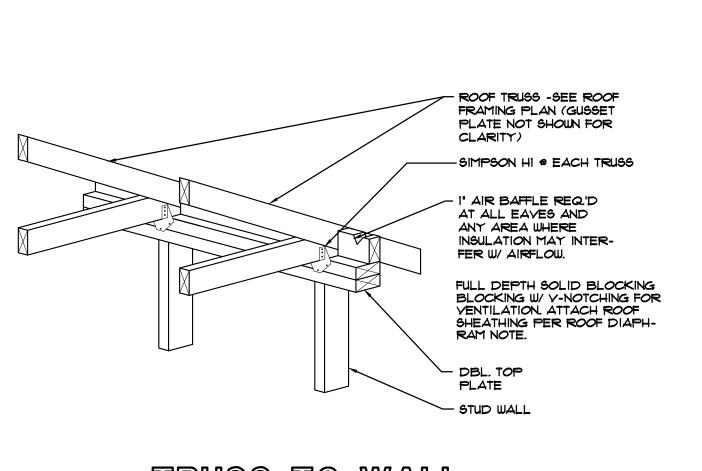
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S5





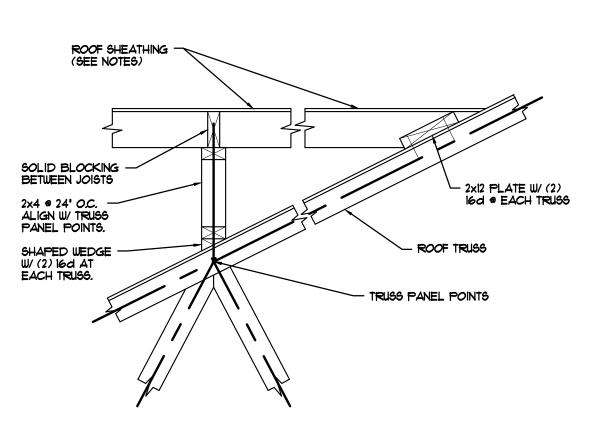
2x12 RAFTER AS PER FRAMING PLANS. ROOF SHEATHING: AS PER STRUCTURAL DRAWINGS. SOLID, FULL HEIGHT — BLOCKING BETWEEN RAFTERS. 2x4 ONE SIDE. -- SIMPSON H2.5 @ EACH RAFTER BEVELED CUT I-JOIST MUST NOT OVERHANG INSIDE OF PLATE. FACIA PER ARCH. DRAWINGS/OWNER ─ I-JOIST FLANGE MUST BEAR FULLY ON PLATE <u>, 2'-0" (M</u>AX.) 2 x BEVELED BLOCK UNDER EXTENSION. EXTERIOR SHEATHING AS PER STRUCTURAL DRAWINGS. - 2x6 EXTERIOR WALL

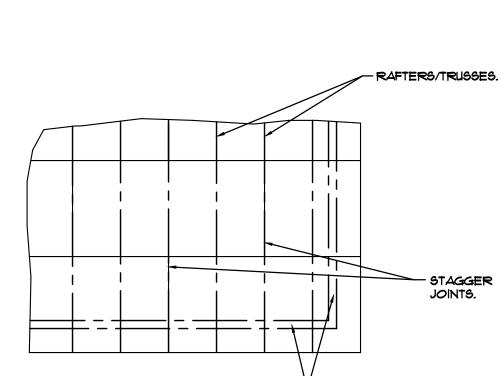
- 2x6 STUD WALL W/ STUDS @ 16' O.C. & R-19 BATT INSULATION

- 3' TO 6' CONC. TOPPER SLAB W/ 1/8" PER 1'-0" SLOPE TO FRONT OF GARAGE

EAGLE PRECAST SYSTEM.

(ENGINEERING BY MANUFACTURER.)





SIMPSON STHD14. TWO STORY GARAGES. -(2) $\frac{1}{2}$ " ϕ imes 10" LONG ANCHOR J-BOLTS. - CONC. GARAGE

TRUSS TO WALL 20 BLOCKING DETAIL

SCALE: NOT TO SCALE (SIMILAR DETAIL TO BEAM BELOW.)

2x12 RAFTER BLOCKING DETAIL

SCALE: NOT TO SCALE

BRICK VENEER O/ (2) LAYERS GRADE "D" BUILDING PAPER (SEE WALL SECT. A: A4 FOR

REINF. AND WALL ATTACHMENT. (TYPICAL.)

7/16' A.P.A. RATED O.S.B. WALL SHEETING (SEE SHEARWALL SCHEDULE FOR NAILING)
(TYPICAL)

(2) *5 HORIZ. BARS @ TOP

*4 CLOSE TIES @ 12" O.C. -EXTEND OVERY OTHER

(2) *5 HORIZ BARS @ TOP-& BOTTOM (TYPICAL)

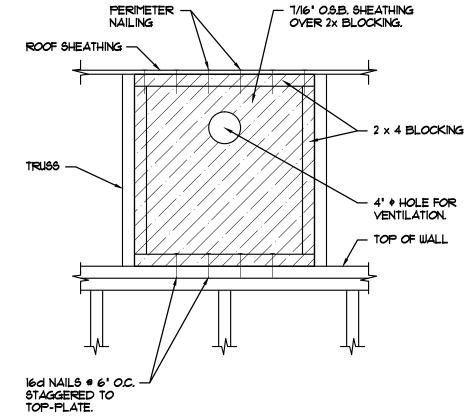
TO TOP (TYPICAL)

OVERBUILD , Detail SCALE: NOT TO SCALE



V EDGE & PERIMITER NAILING TO BLOCKING AT WALLS. (SEE NOTES.)





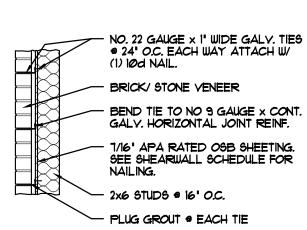
HIGH HEEL TRUSS

25 BLOCKING DETAIL

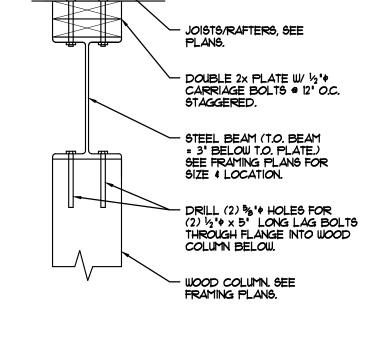
SCALE: NOT TO SCALE

FOUNDATION WALL NOTCHING FOR PRECAST SLAB DETAIL (26)

SCALE: NOT TO SCALE

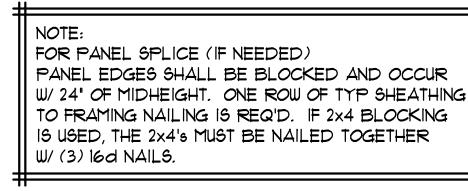


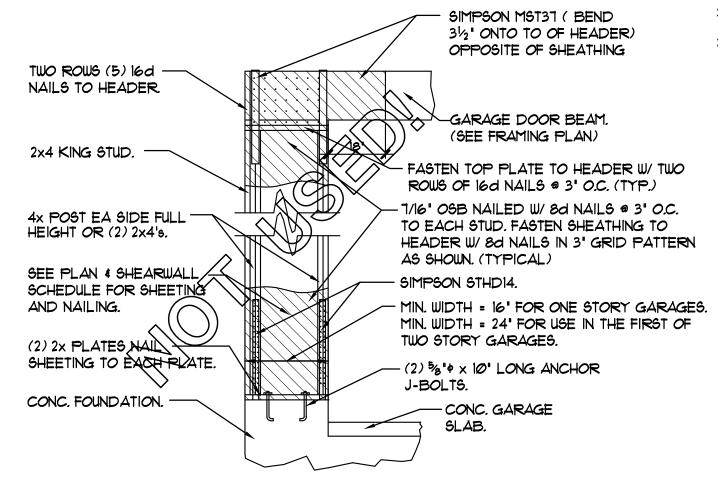
BRICK/STONE SCALE: 1/2" = 1'-0"



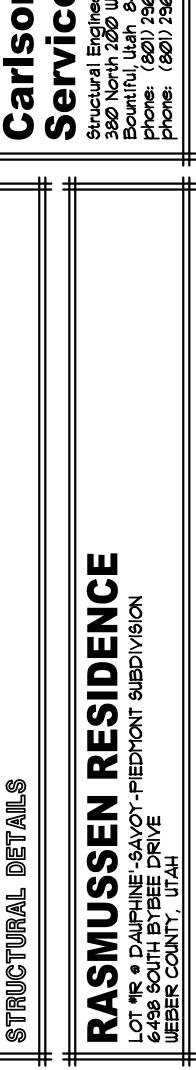
STEEL BEAM TO WOOD COLUMN DETAIL

28 SCALE: NOT TO SCALE









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ngine

RELEASE DATE: *03/03/*17 REVISIONS: 04/06/17 PERMIT SET

DRAWN BY: JOE HUNTER NO. OF SHEETS: 67 OF 1

SHEET NO.: