SWAGGART SPEC - L5B12

3534 N TEMPLETON WAY
EAGLE, ID 83616

1 SITE PLAN
1" = 10'-0"

2018 INTERNATIONAL RESIDENTIAL CODE (IRC)

PROPOSED BLDG. HAS BEEN DESIGNED TO MEET OR EXCEED THE REQ. OF THE INTERNATIONAL RESIDENTIAL CODE PER (TABLE N1102.1.2)

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT[a]

CLIMATE ZONE	*FENESTRATION U-FACTOR[b]*	*GLAZED FENESTRATION SHGC[b,e]*	*CEILING R-VALUE*	*WOOD FRAME WALL R-VALUE*	*MASS WALL R-VALUE[i]*	*FLOOR R-VALUE*	*BASEMENT R-VALUE[c]*	*SLAB R-VALUE[d]*	*CRAWL SPACE WALL R-VALUE*
5	.30	NR	49	20[h]	13/17	30[g]	15/19	10, 2 ft	15/19

a. R-VALUES ARE MINIMUMS, U-FACTORS AND SHGC ARE MAXIMUMS. WHEN INSULATION IS INSTALLED IN A CAVITY WHICH IS LESS THAN THE LABEL OR DESIGN THICKNESS OF THE INSULATION, THE INSTALLED R-VALUE OF THE INSULATION SHALL NOT BE LESS THAN THE R-VALUE SPECIFIED IN THE TABLE.
b. THE FENESTRATION U-FACTOR COLUMN EXCLUDES SKYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION. EXCEPTION: SKYLIGHTS MAY BE EXCLUDED FROM GLAZED FENESTRATION SHGC REQUIREMENTS IN CLIMATE ZONES 1 THROUGH 3 WHERE THE SHGC FOR SUCH SKYLIGHTS DOES NOT EXCEED 0.30.
c. "15/19" MEANS R-15 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE HOME OR R-19 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL. "15/19" SHALL BE PERMITTED TO BE MET WITH R-13 CAVITY INSULATION ON THE INTERIOR OF THE BASEMENT WALL PLUS R-5 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE HOME. "10/13" MEANS R-10 CONTINUOUS INSULATION ON THE INTERIOR OF EXTERIOR OF THE HOME OR R-13 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL.
d. R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUES FOR HEATED SLABS. INSULATION DEPTH SHALL BE THE DEPTH OF THE FOOTING OR 2 FEET, WHICHEVER IS LESS IN CLIMATE ZONES 1 THROUGH 3 FOR HEATED SLABS.
e. THERE ARE NO SHGC REQUIREMENTS IN THE MARINE ZONE.
f. BASEMENT WALL INSULATION IS NOT REQUIRED IN WARM-HUMID LOCATIONS AS DEFINED BY FIGURE R301.1 AND TABLE R301.1.
g. OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY, R-19 MINIMUM.
h. THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13+5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
i. THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL.

VICINITY MAP

CONTACT INFORMATION

BUILDER:
LOGAN SWAGGART
SWAGGARTBUILDERS@OUTLOOK.COM
208.204.1730

DESIGNER:
JAKE SALINAS
J@BYSLATE.COM
208.972.0551

STRUCTURAL CONSULTANT:
KYLE ATWOOD
KYLE.ATWOOD@VECTORSE.COM
208.695.5142

DRAWING INDEX

SITE INFORMATION

ADDRESS:
3534 N TEMPLETON WAY
EAGLE, ID 83616

PARCEL NUMBER:
R8378230800

PROPERTY DESCRIPTION:
LOT 05 BLK 12 TERRAVIEW SUB NO 04

ZONING:
MU-DA

ACREAGE:
0.281 ACRES

BUILDING SETBACKS:

FRONT YARD	22'-0"
REAR YARD	15'-0"
SIDE YARD	5'-0 OR 7'-0"

BUILDING HEIGHT: 35'-0" MAX

UTILITIES:
DOMESTIC WATER
DOMESTIC SEWER
UNDERGROUND POWER - IPCO; VERIFY
NATURAL GAS - INTERMOUNTAIN GAS

DESIGN CRITERIA

CITY OF EAGLE ADOPTED CODES
2018 INTERNATIONAL RESIDENTIAL CODE
2018 INTERNATIONAL FIRE CODE
2017 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 IECC
2017 IDAHO STATE/UNIFORM PLUMBING CODE

FROST DEPTH: 24"

DISCLAIMER

ALL WORK TO BE PERFORMED BY LICENSED CONTRACTORS, CONSISTENT WITH THE BEST PRACTICES OF TRADE INVOLVED. EACH CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS AND CONDITIONS DEPICTED IN THESE PLANS RELATED TO THEIR TRADE BEFORE STARTING CONSTRUCTION. ANY DISCREPANCIES FOUND ON PLANS MUST BE REPORTED TO DESIGNER AND / OR GENERAL CONTRACTOR SO THE NECESSARY CORRECTIONS CAN BE MADE IN A TIMELY MANNER, AND BEFORE CONSTRUCTION CONTINUES.

DESIGN BY
SLATE
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WWW.BYSLATE.COM

PERMIT SET

11/21/2025

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DATE DRAWN/REVISIONS:

1
2
3
4

SHEET TITLE:

COVER SHEET

SHEET NO:

CVR

ORIGINAL SHEET SIZE
24" x 36"

EXTERIOR 3D - FRONT ELEVATION

EXTERIOR 3D - FRONT ELEVATION

EXTERIOR 3D - REAR ELEVATION

EXTERIOR 3D - REAR ELEVATION

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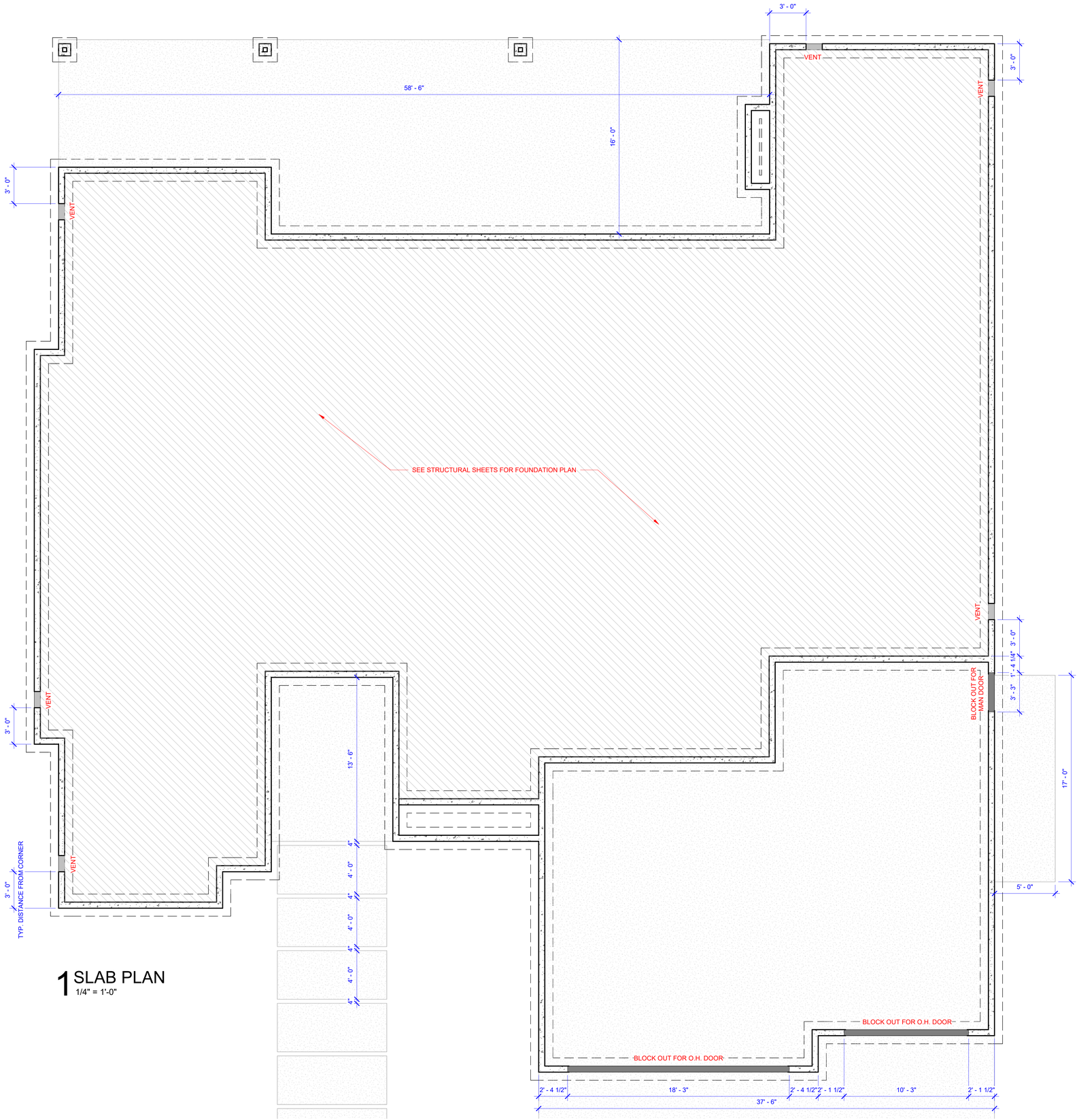
SHEET TITLE:

CONCEPTUAL EXTERIOR PERSPECTIVES

SHEET NO:

G-1.1

ORIGINAL SHEET SIZE
24" x 36"



1 SLAB PLAN
1/4" = 1'-0"

CRAWL-SPACE VENTILATION

FLOOR AREA/1,500 = TOTAL VENTING AREA
FOUNDATION VENTS: NFA 72.5 SQ. INCHES (.50 SQ FT.)
CRAWL-SPACE
REQUIRED:
FLOOR AREA = 3,825 SF/1500 = 2.55 SF
VENTING REQ.
PROVIDED:
1 FOUNDATION VENT = .50 SF NET FREE AREA PER VENT
2.55/.50 = 5.2 VENTS REQ. (6 VENTS PROVIDED)

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DATE DRAWN/REVISIONS:

1
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3
4

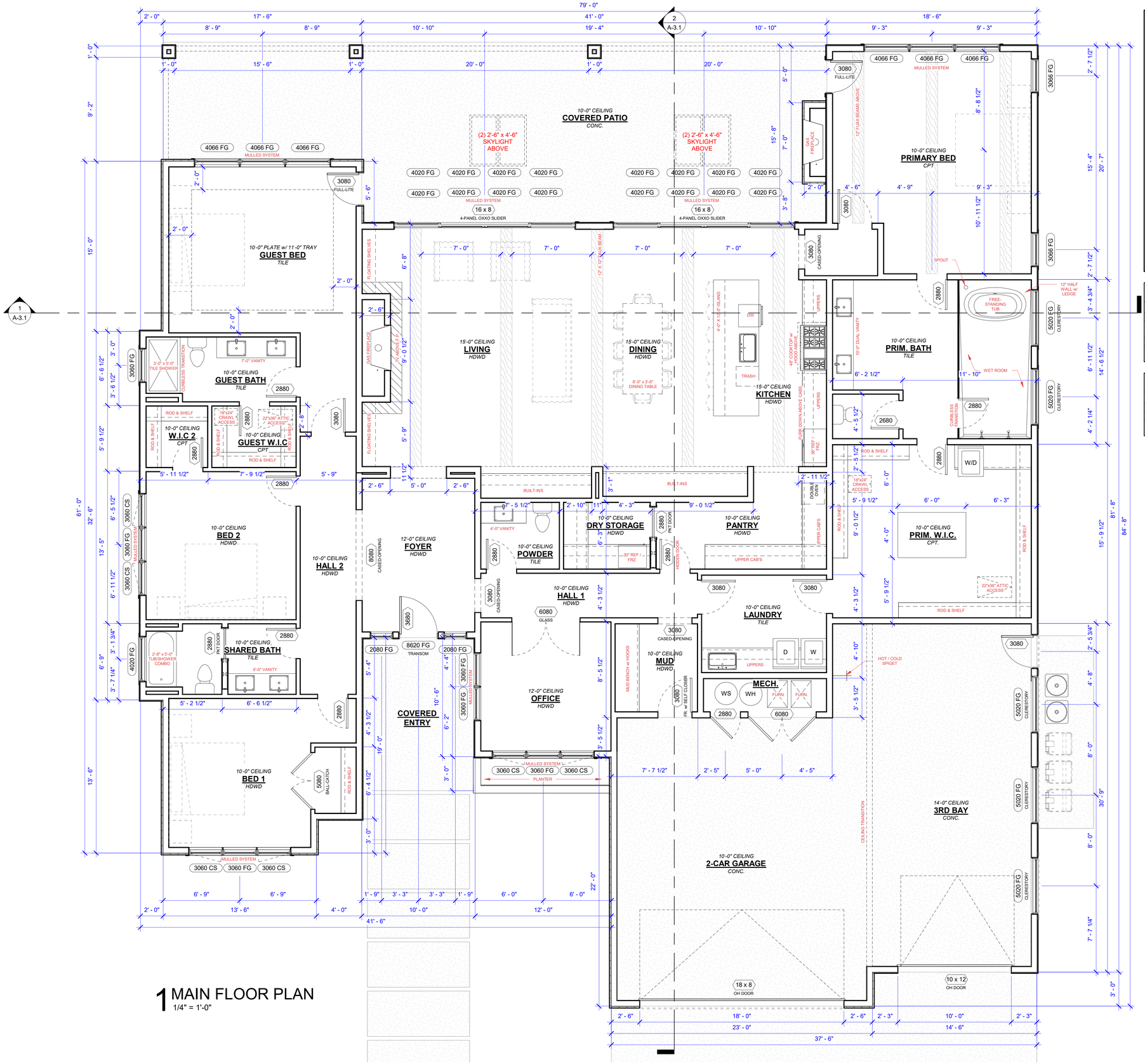
SHEET TITLE:

ARCHITECTUAL SLAB PLAN

SHEET NO:

A-1.0

ORIGINAL SHEET SIZE
24" x 36"



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

FLOOR PLAN GENERAL NOTES

A. DIMENSIONS ARE TO FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.

B. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS (IF APPLICABLE). CREATE DIMENSION TEMPLATE BEFORE BEGINNING CONSTRUCTION. NOTIFY DESIGNER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES WITHIN DRAWINGS OCCUR BEFORE PROCEEDING WITH WORK.

C. LAYOUT & INDICATE ALL WALLS ON FLOOR PRIOR TO WALL CONSTRUCTION. IF LAYOUT DIFFERS FROM FLOOR PLAN NOTIFY ARCHITECT IMMEDIATELY FOR DIRECTION.

D. PROVIDE 5" DOOR JAMBS AT ADJACENT WALLS ON THE DOOR'S HINGE SIDE OR UNLESS OTHERWISE INDICATED.

E. REFERENCE STRUCTURAL DRAWINGS FOR ADDITIONAL WALL REQUIREMENTS.

F. WHEN APPLICABLE - UNLESS NOTED OTHERWISE, USE CDX PLYWOOD FOR EXTERIOR APPLICATIONS AND BCD PLYWOOD FOR INTERIOR APPLICATIONS.

G. SLOPE AWAY FROM DWELLING 5% IN ALL DIRECTIONS FOR 10'-0" AND 2% THEREAFTER.

H. GENERAL CONTRACTOR/SUPERINTENDENT TO VERIFY ALL SETBACKS AND EASEMENTS.

I. COORDINATE ALL ROOF PENETRATIONS w/ MECHANICAL AND PLUMBING CONTRACTOR

AREA CALCS

NAME	PLATE HEIGHT	PROPOSED AREA
MAIN FLOOR	10' 1-1/8"	3826 SF
CONDITIONED		3826 SF
2-CAR GARAGE	10' 1-1/8"	1062 SF
UNCONDITIONED		1062 SF
PROPOSED TOTAL AREA		4888 SF

OUTDOOR AREA CALCS

NAME	PLATE HEIGHT	PROPOSED AREA
COVERED ENTRY	10' 1-1/8"	105 SF
COVERED ENTRY	10' 1-1/8"	820 SF
UNCONDITIONED		925 SF
PROPOSED TOTAL AREA		925 SF

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DATE DRAWN/REVISIONS:

1
2
3
4

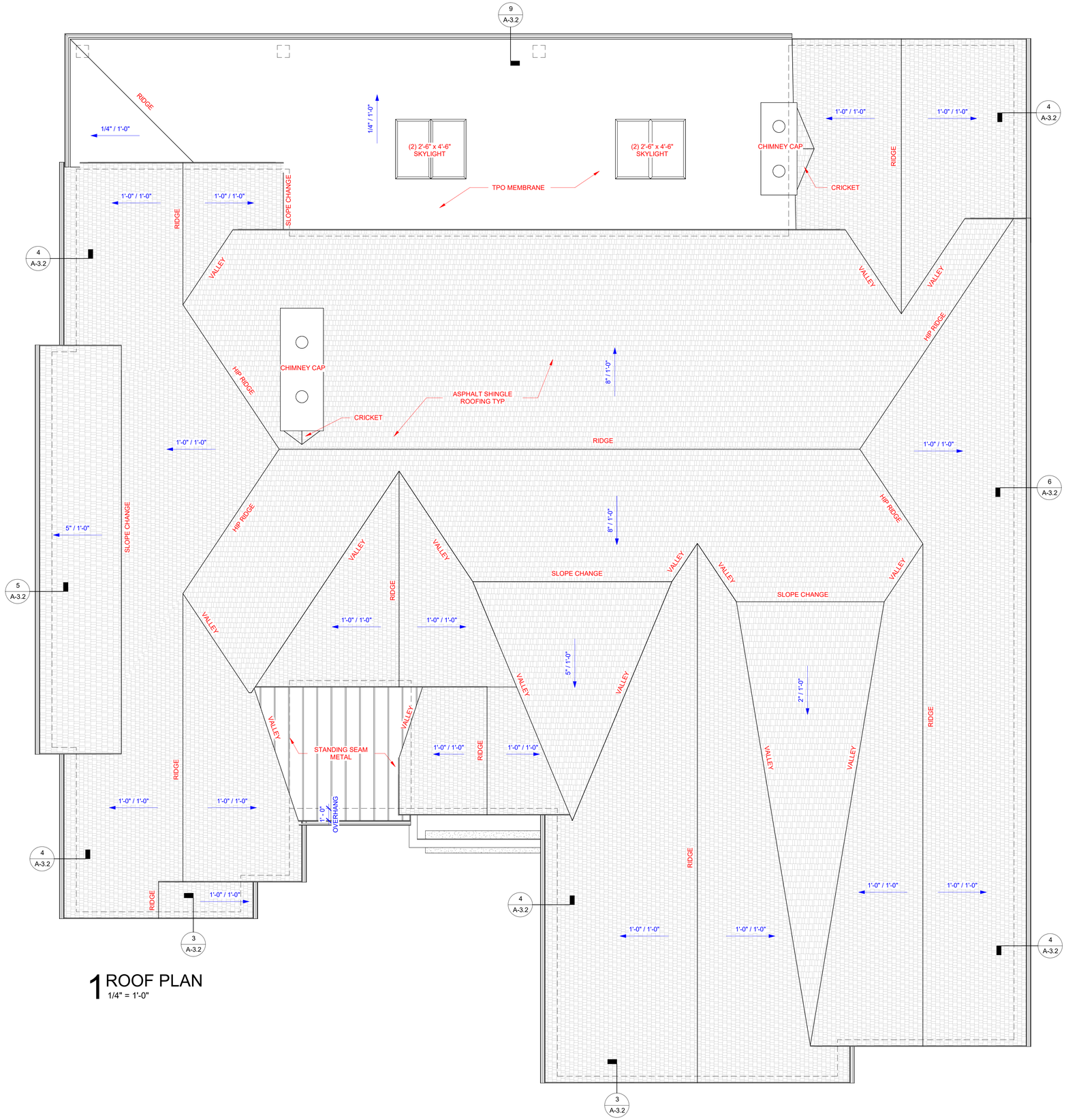
SHEET TITLE:

MAIN FLOOR PLAN

SHEET NO:

A-1.1

ORIGINAL SHEET SIZE
24" x 36"



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

ROOF GENERAL NOTES

A. COORDINATE ROOF PENETRATIONS WITH MECHANICAL AND PLUMBING SUBCONTRACTORS.
B. FLASH AROUND ALL VENT AND PIPE PENETRATIONS PER MANUFACTURES STANDARD DETAILS.
C. THE ENTIRE ROOF SYSTEM IS TO BE DESIGNED BY AN IDAHO LICENSED STRUCTURAL ENGINEER. SUBMIT TRUSS LAYOUT AND PROFILE DRAWINGS TO THE GENERAL CONTRACTOR FOR APPROVAL PRIOR TO CONSTRUCTION. ARCHITECTURAL DRAWINGS ARE FOR DESIGN GUIDANCE ONLY.
D. VERIFY ALL DRAINAGE FROM ROOF IS FUNCTIONING AND DRAINING WITHOUT WATER INTRUSION. DETERMINE ABILITY OF DRAINAGE TO CONTINUE PROPER USE.
E. PROVIDE GALANIZED PRE-FINSHED (COLOR AS SELECTED BY OWNER) FLASHINGS, COUNTER-FLASHINGS, REGLETS, DRIP-EDGES, VENTS, AND COPINGS OF MIN. 22 GAUGE.
F. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM, #60 ASPHALT INFUSED ROOFING FELT BEANEATH ALL NON-METAL ROOFING SYSTEMS.
G. PROVIDE BITUMINOUS RUBBERIZED ASPHALT WATER-PROOF ICE/WATER SHIELD BENEATH ALL METAL ROOFING SYSTEMS IF APPLICABLE.
H. UNLESS OTHERWISE NOTED, ALL ROOF AREAS ARE TO BE INSULATED WITH MINIMUM R-38 BATT INSULATION AND PROVIDED WITH CONTINUOUS GALANIZED INSULATION BAFFLE AT PERIMETER OF ROOF.
I. ALL ROOF AREAS ARE TO BE CROSS VENTED AT 1/150 SQUARE FEET. ALL VENTS ARE TO MATCH COLOR SELECTED BY OWNER AND INCLUDE CORROSION RESISTANT INSECT SCREEN.
J. UNLESS OTHERWISE NOTED, ENTIRE ROOF SYSTEM IS TO BE VENTED THROUGH CONTINOUS SOFFIT VENTS.

MIN. ATTIC VENTILATION CALCS

6,092 (ATTIC AREA) /300 = 20.3 SF OF REQUIRED VENTILATION
20.3 x 144 = 2,924 SQ IN

(CONTINUOUS VENT PROVIDED) 7.53 SQ. IN. PER SQ. FT.

2,924 / 7.53 = 388 SQ FT OF VENTED SOFFIT AREA REQUIRED

1,206 SQ FT SOFFIT VENTING AREA PROVIDED

1,206 SF PROVIDED > 388 SF REQUIRED

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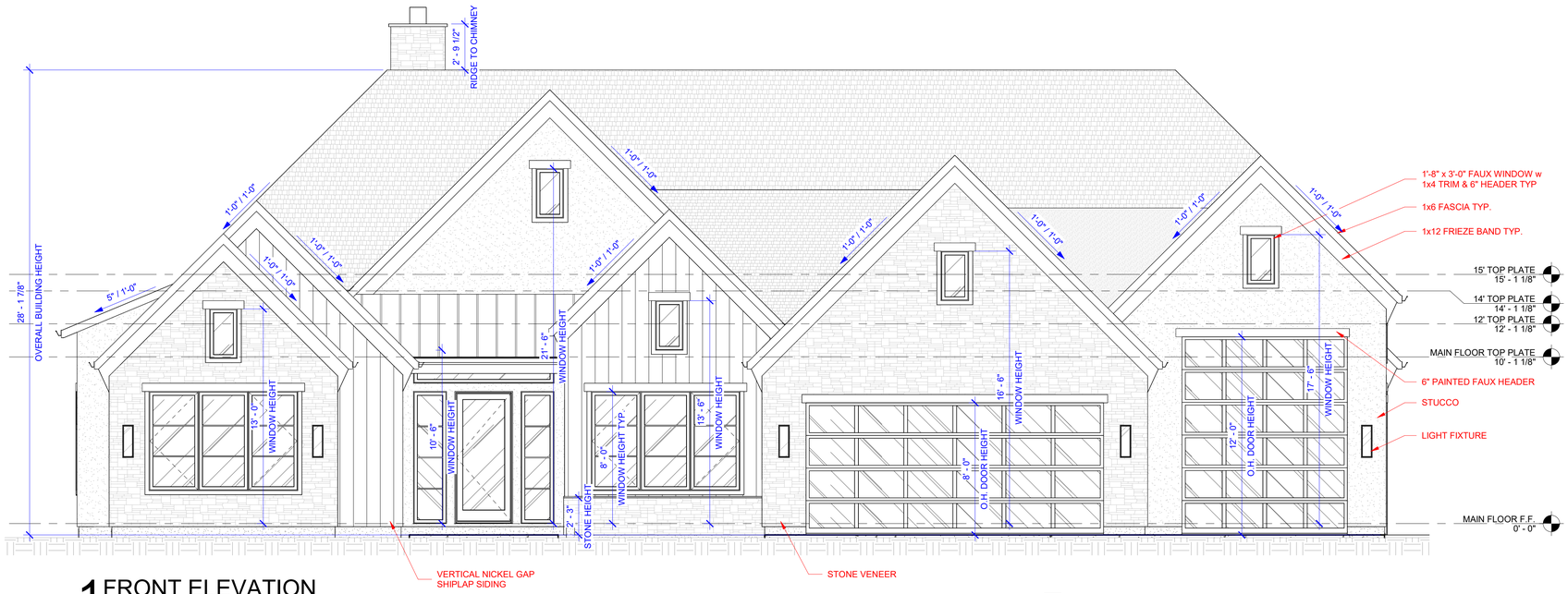
SHEET TITLE:

ROOF PLAN

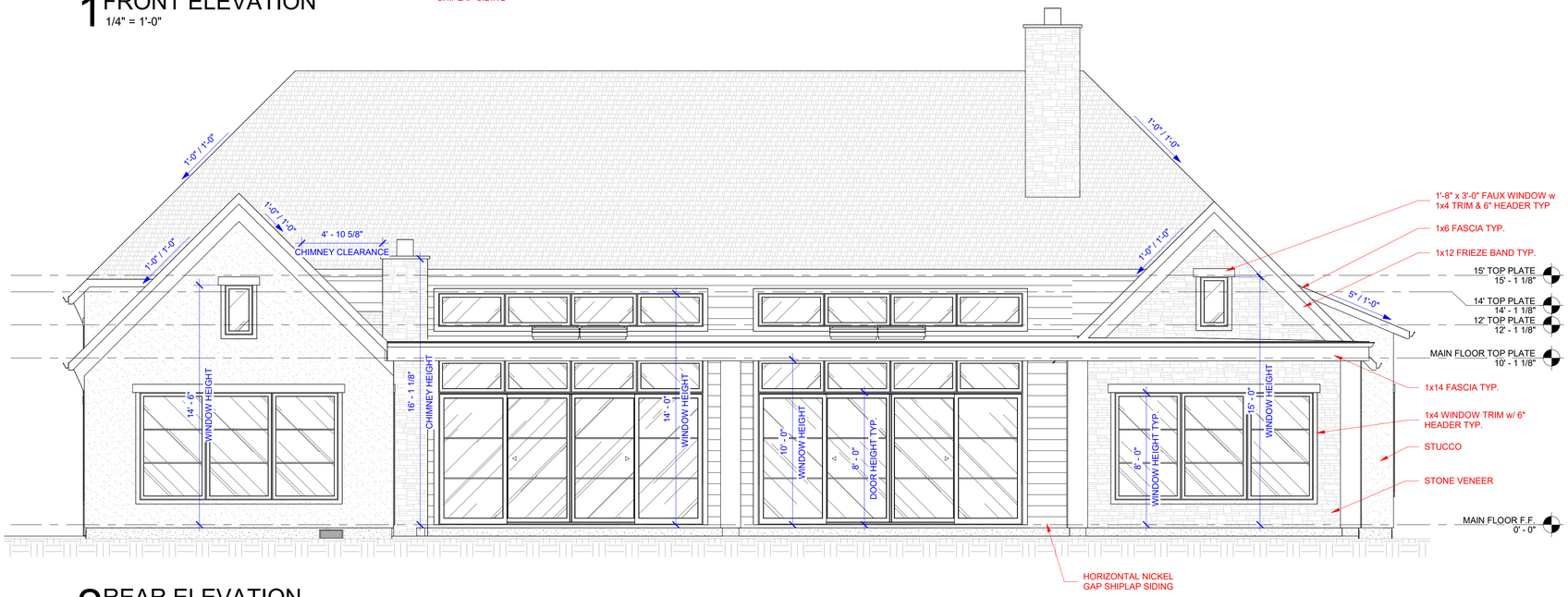
SHEET NO:

A-1.2

ORIGINAL SHEET SIZE
24" x 36"



1 FRONT ELEVATION
1/4" = 1'-0"



2 REAR ELEVATION
1/4" = 1'-0"

ELEVATION GENERAL NOTES

A. THE REFERENCE ELEVATIONS MARKED " " REPRESENT VERTICAL HEIGHTS RELATIVE TO INTERIOR FLOOR DATUM ASSUMED AT +100.00.
B. DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. IF ANY DISCREPENCIES OCCUR, NOTIFY THE GENERAL CONTRACTOR/DESIGNER FOR CLARIFICATION.
C. ALL EXTERIOR LIGHT FIXTURES TO BE COORINATED WITH GENERAL CONTRACTOR AND OWNER.
D. COORDINATE WINDOW SIZES, TYPE AND COLOR WITH GENERAL CONTRACTOR AND OWNER. FOR BIDDING PURPOSES, ALL WINDOWS TO BE BLACK ALUMINUM STOREFRONT.
E. ALL EXPOSED CONDUIT TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
F. PROVIDE 24 GAUGE PRE-FINISHED METAL FLASHING, DRIP EDGE, AND TRIM TO MATCH ROOFING COLOR OR AS SELECTED BY OWNER.
G. PROVIDE CONTINUOUS PRE-FINISHED 22 GAUGE METAL GUTTER AND DOWNSPOUT TO MATCH FLASHING OR TRIM AT ALL ROOF EAVES.
H. ALL EXTERIOR EXPOSED, SEMI-EXPOSED / CONCEALED AND UN-TREATED WOOD IS TO BE STAINED AND SEALED.

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SHEET TITLE:

EXTERIOR ELEVATIONS

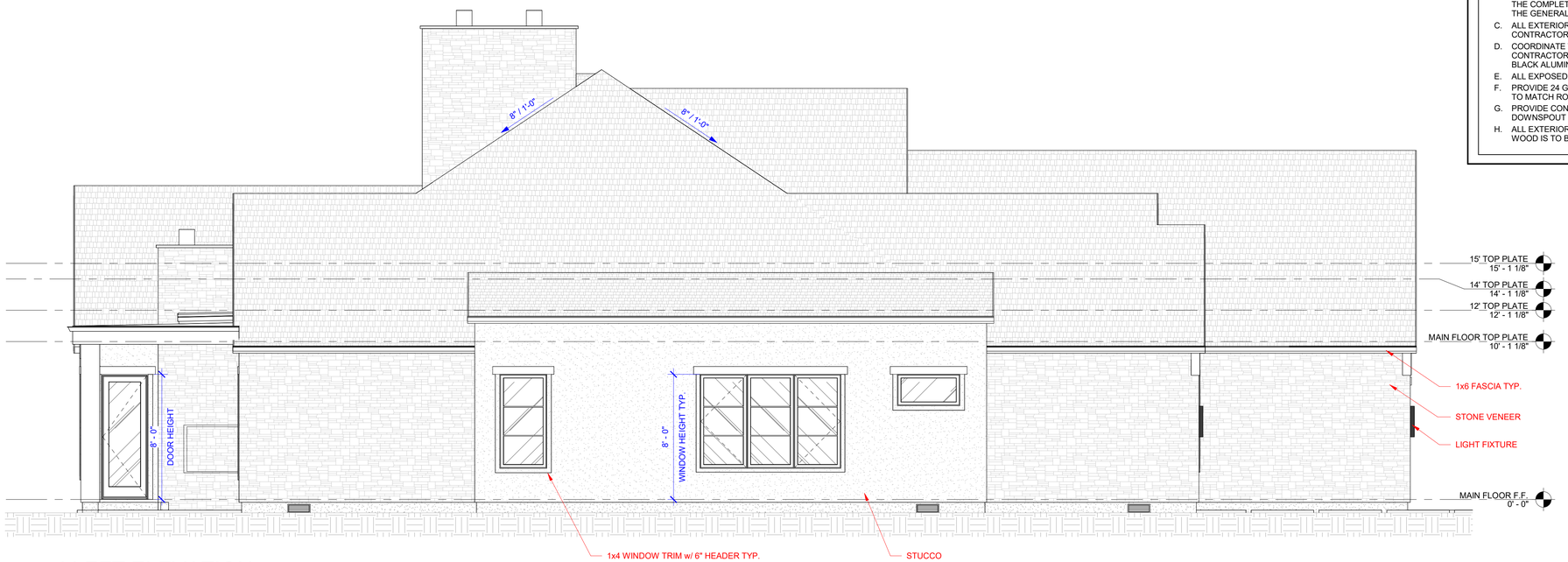
SHEET NO:

A-2.1

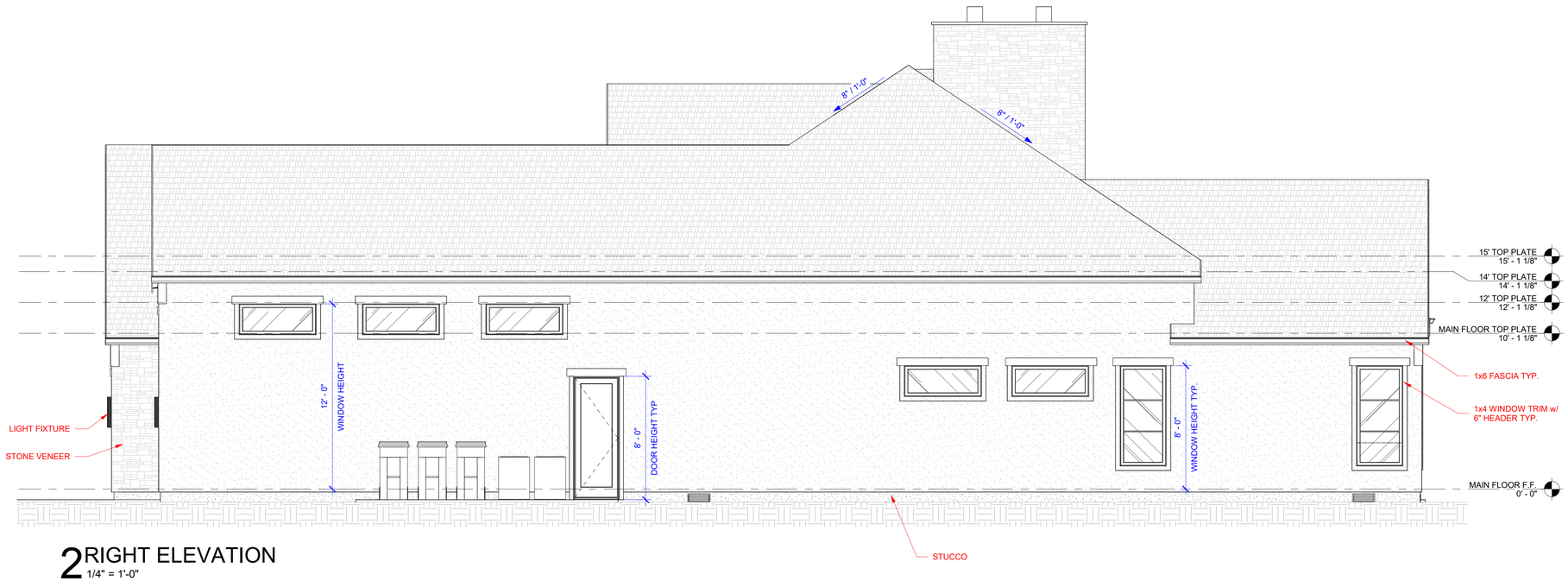
ORIGINAL SHEET SIZE
24" x 36"

ELEVATION GENERAL NOTES

A. THE REFERENCE ELEVATIONS MARKED " ⌖ " REPRESENT VERTICAL HEIGHTS RELATIVE TO INTERIOR FLOOR DATUM ASSUMED AT +100.00.
B. DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. IF ANY DISCREPENCIES OCCUR, NOTIFY THE GENERAL CONTRACTOR/DESIGNER FOR CLARIFICATION.
C. ALL EXTERIOR LIGHT FIXTURES TO BE COORINATED WITH GENERAL CONTRACTOR AND OWNER.
D. COORDINATE WINDOW SIZES, TYPE AND COLOR WITH GENERAL CONTRACTOR AND OWNER. FOR BIDDING PURPOSES, ALL WINDOWS TO BE BLACK ALUMINUM STOREFRONT.
E. ALL EXPOSED CONDUIT TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
F. PROVIDE 24 GAUGE PRE-FINISHED METAL FLASHING, DRIP EDGE, AND TRIM TO MATCH ROOFING COLOR OR AS SELECTED BY OWNER.
G. PROVIDE CONTINUOUS PRE-FINISHED 22 GAUGE METAL GUTTER AND DOWNSPOUT TO MATCH FLASHING OR TRIM AT ALL ROOF EAVES.
H. ALL EXTERIOR EXPOSED, SEMI-EXPOSED / CONCEALED AND UN-TREATED WOOD IS TO BE STAINED AND SEALED.



1 LEFT ELEVATION
1/4" = 1'-0"



2 RIGHT ELEVATION
1/4" = 1'-0"

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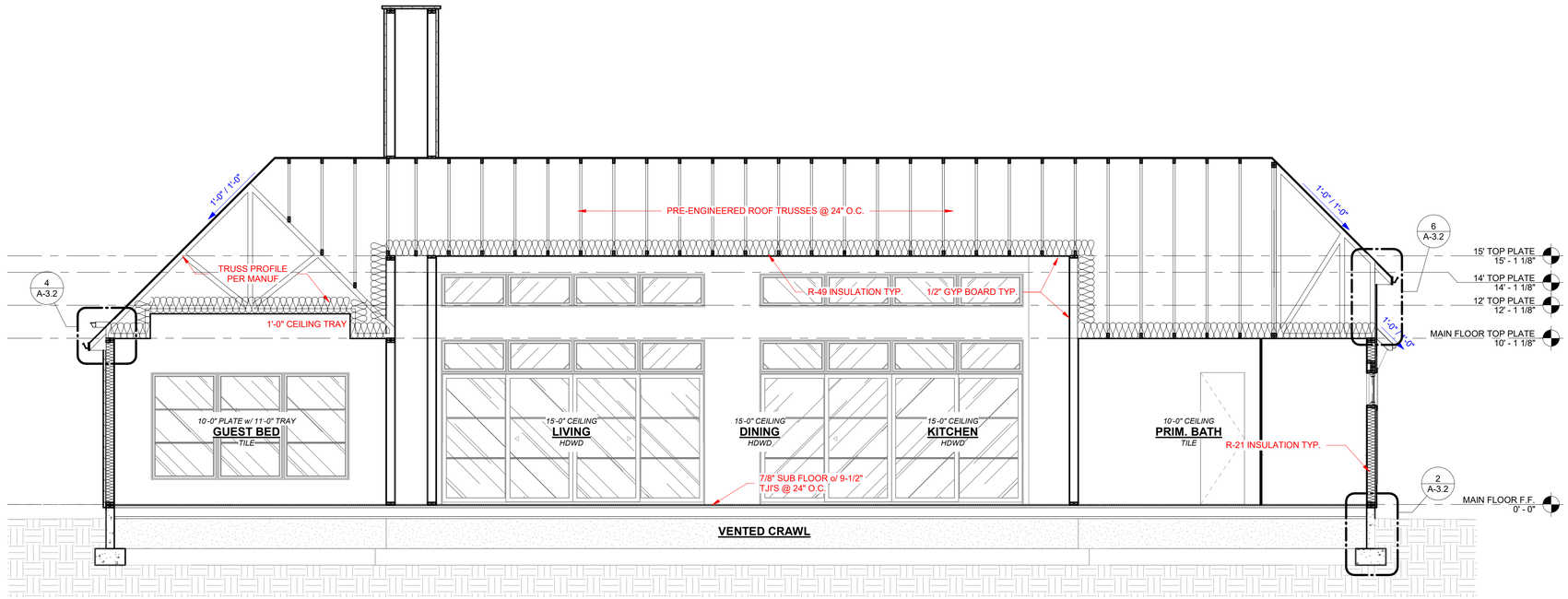
SHEET TITLE:

EXTERIOR ELEVATIONS CONT.

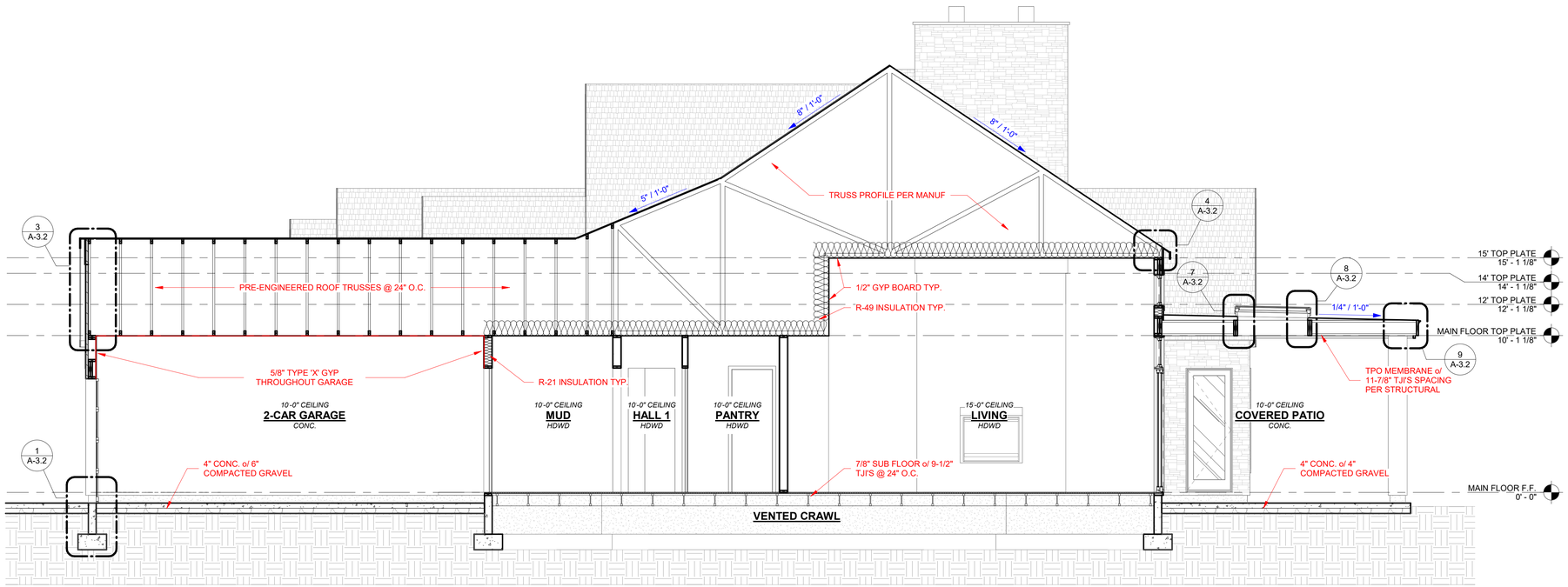
SHEET NO:

A-2.2

ORIGINAL SHEET SIZE
24" x 36"



1 BUILDING SECTION A
1/4" = 1'-0"



2 BUILDING SECTION B
1/4" = 1'-0"

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1
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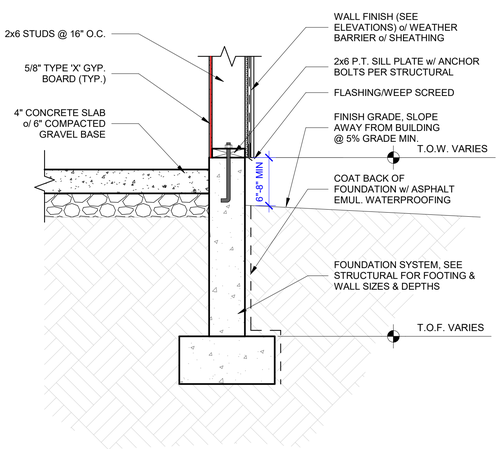
SHEET TITLE:

BUILDING SECTIONS

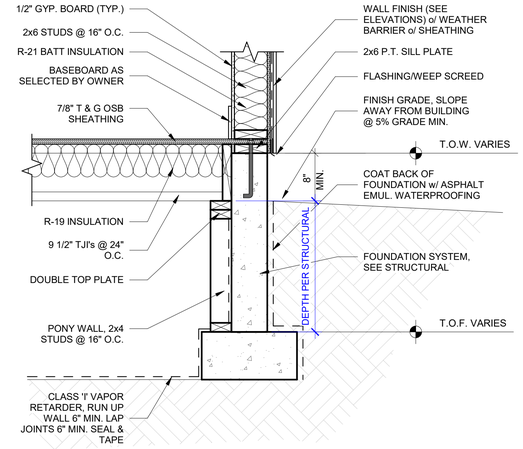
SHEET NO:

A-3.1

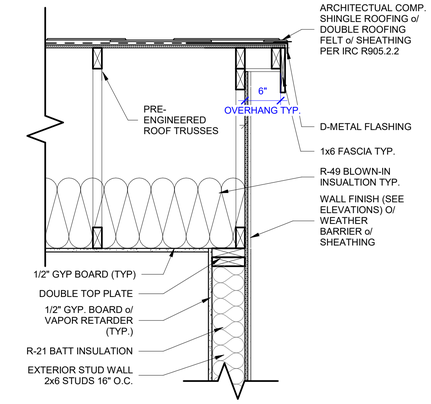
ORIGINAL SHEET SIZE
24" x 36"



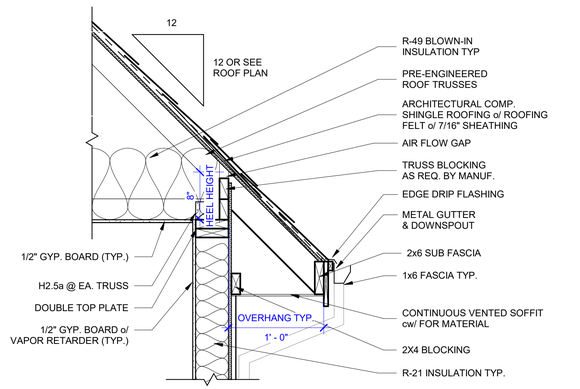
1 BOTTOM OF WALL @ GARAGE
1" = 1'-0"



2 BOTTOM OF WALL @ LIVING
1" = 1'-0"



3 RAKE DETAIL TYP.
1" = 1'-0"



4 EAVE DETAIL TYP.
1" = 1'-0"

5 EAVE DETAIL - 2'-0" HEEL
1" = 1'-0"

6 EAVE DETAIL - 4'-8' HEEL
1" = 1'-0"

7 SKYLIGHT DETAIL TOP AND CURB
3" = 1'-0"

8 SKYLIGHT DETAIL BOTTOM AND CURB
3" = 1'-0"

9 EAVE DETAIL @ COVERED PATIO
1" = 1'-0"

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SHEET TITLE:

DETAILS

SHEET NO:

A-3.2

ORIGINAL SHEET SIZE
24" x 36"

GENERAL STRUCTURAL NOTES

GENERAL

1. The contractor shall verify all dimensions prior to starting construction. The architect shall be notified of any discrepancies or inconsistencies.
2. Dimensions shall take precedence over scale shown on drawings.
3. Notes and details on drawings shall take precedence over general notes and typical notes.
4. 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, chamfers, grooves, inserts, etc.
   - Size and location of floor and roof openings except as shown
   - Floor and roof finishes
   - Stair framing and details, except as shown
5. See mechanical, plumbing, and electrical drawings for the following:
   - Pipe runs, sleeves, hangers, trenches, wall and slab openings, etc. Except as shown or noted
   - Electrical conduit runs, boxes, outlets in walls and slabs
   - Concrete inserts for electrical, mechanical or plumbing fixtures
   - Size and location of machine or equipment bases, anchor bolts for mounts
6. The contract structural drawings and specifications represent the finished structure. They do not indicate the method of construction. The contractor shall provide all measures necessary to protect the structure during construction. Such measure shall include, but not be limited to, bracing, shoring for loads due to construction equipment, etc. Observation visits to the site by the structural engineer shall not include inspection of the above structural members.
7. Openings, pockets, etc. larger than 6" shall not be placed in slabs, decks, 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 on structural members.
8. ASTM specifications noted shall be the latest revision.
9. 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.
10. 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.
11. All specified hardware is by Simpson Strong-Tie UNO. All hardware shall be third-party tested and approved by ICC, IAPMO or a similar approved agency. Contractor shall refer to manufacturer instructions and third-party approval document for installation requirements and limitations.

DESIGN CRITERIA

1. Design standard: International Building Code, 2018 Edition
2. Design Loads:
   - Roof:
     - 18 psf DEAD
     - 20 psf LIVE
     - 25 psf SNOW (Pg = 20 psf)
   - Floor:
     - 15 psf DEAD
     - 40 psf LIVE (Reducible)
   - Deck:
     - 15 psf DEAD
     - 60 psf LIVE
   - Wind:
     - Basic Wind Speed = 115 mph (3 sec. Gust)
     - Exposure: C
     - Risk Category: II
   - Seismic:
     - Importance Factor: I = 1
     - S_s = 0.303 S_1 = 0.110
     - Site Class: D (Default)
     - S_{MS} = 0.315 S_{M1} = 0.175
     - Seismic Design Category: C
     - Seismic Force Resisting System: Timber roof & floor diaphragms with wood shear walls
     - Seismic Base Shear, V = 7.5 kips
     - C_s = 0.048
     - R = 6.5
     - Analysis Procedure: Equivalent lateral force procedure
     - Risk Category: II

FOUNDATION

1. Footings are designed based on an allowable soil pressure of 1500 PSF. Vector Structural Engineering strongly recommends independent soils testing be performed by a licensed geotechnical engineer to verify soil bearing capacity, slope stability, and any other related soil parameters, as required.
2. Contractor shall provide for proper de-watering of excavations from surface water, ground water, seepage, etc.
3. Footing back fill and utility trench back fill within building area shall be mechanically compacted in layers. Flooding will not be permitted.
4. All abandoned footings, utilities, etc. that interfere with new construction shall be removed.
5. The soil under perimeter beams and slabs shall be above optimum moisture prior to concrete placement.
6. Clearing and Site Preparation – Debris, vegetation, and deleterious material should be stripped and removed from the site. Trees and vegetation should be removed from the site. Exposed surfaces should be scarified 12", brought to within 2% of optimum moisture content, and compacted to a minimum relative compaction of 90% per ASTM D1557.
7. All undocumented or loose fill materials shall be removed to expose competent native material. The exposed surface shall be scarified to a depth of 12", moisture-conditioned, and compacted in accordance with the specifications above.
8. Fill material shall be imported, well-graded, and compactable engineered fill.
9. All ø1/2" sill anchor bolts in concrete may be replaced with one of these options at the spacing indicated below:
   - ø1/2" Simpson Titen HD screws with 4" min embed, or approved equal
   - ø1/2" all-thread rod in #5/8" hole with 4" embed using Simpson SET-3G epoxy, Simpson AT-3G epoxy, or approved equal

SILL ANCHORAGE TYPE	RETROFIT ø1/2" TITEN OR ALL-THREAD ROD SPACING
S1 & S2	SAME AS ø1/2" AB
S3 & S4	12" OC

CONCRETE

1. 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 and specifications.
2. Schedule of structural concrete 28-day compressive strengths (f'c) and types:

Location in structure	f'c (psi)	Type
Slabs on grade	3500	Normal-weight
Footings	3500	Normal-weight

   Design based on f'c = 2500 psi. Special inspection is not required unless noted otherwise in the SPECIAL INSPECTION / QUALITY ASSURANCE PLAN notes on this sheet.
3. Concrete mix design shall be submitted to the engineer for approval with the following requirements:
   a. 28-day compressive strength, f'c: as specified above
   b. Aggregate: Conform to ASTM C33
   c. Maximum aggregate size: 3/4"
   d. Cement: ASTM C150, Type II
   e. Maximum water-cement ratio: 0.50
   f. Maximum slump: 5"
   g. Entrained air: Minimum 6% where frost depth > 0"
   h. No admixtures except as approved by the engineer
4. Concrete mixing operations, etc. shall conform to ASTM C94.
5. Concrete placement, consolidation, and curing shall conform to ACI 318, Section 26.5.
6. Clear cover of concrete over outer reinforcing bars shall be as follows UNO on plans and details:
   - Concrete poured directly against earth: 3"
   - Structural slabs with one reinforcing mat: center in slab thickness
   - Structural slabs with two reinforcing mats: 3/4" (top and bottom)
   - Formed concrete with earth backfill: 2"
7. All reinforcing bars, anchor bolts and other concrete inserts shall be well secured in position prior to placing concrete.
8. Provide sleeves for plumbing and electrical openings in concrete before placing. Do not cut any reinforcing that may conflict. Coring in concrete is not permitted except as shown. Notify the structural engineer of conditions not shown on the drawings in advance.
9. Conduit or pipe size (OD) 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 as detailed herein.
10. Modulus of elasticity of concrete, when tested in accordance with ASTM C469, shall be at least the value given by the equations in section 19.2.2 of ACI 318 for the specified f'c.
11. Shrinkage of concrete, when tested in accordance with ASTM C157, shall not exceed 0.0004".
12. Post-installed anchors shall only be used where specified on the plans. The contractor shall obtain approval from the EOR prior to installing post-installed anchors in place of missing or misplaced cast-in-place anchors.
13. Contact the EOR for adhesive anchor alternate when the install temperature is outside the approved temperature range provided by the manufacturer.
14. Reinforcing bars shall conform w/ ASTM A615 Grade 60.
15. All reinforcing bar bends shall be made cold.
16. Minimum lap of welded wire fabric shall be 6" or 1.5 times the mesh size, whichever is greater.
17. All bars shall be marked for clear identification during inspection.
18. Rebar splices are to be Class B.
19. Reinforcing splices shall be made only where indicated on the drawings.
20. Dowels between footings and walls or columns shall be the same grade, size and spacing or number as the vertical reinforcing.
21. Reinforcing bars shall not be welded, UNO.

WOOD

1. Framing Lumber
   a. 2x4 and 2x6 wall studs: Douglas Fir Larch Stud grade, UNO
   b. All other 2x and 4x lumber: Douglas Fir Larch #2, UNO
   c. 5x and larger lumber: Douglas Fir Larch #1, UNO
2. Bolt holes shall be 1/16" maximum larger than the bolt size. Re-tighten all nuts prior to closing in.
3. Standard cut washers shall be used under all sill plate anchor bolts, UNO at shear walls. See the STANDARD SHEAR WALL SCHEDULE for anchor bolt spacing and washer requirements at shear walls.
4. All sills or plates resting on concrete or masonry shall be preservative-treated Douglas Fir Larch. Bolts shall be placed 9" from the end of a plate, or from a notch greater than 1/2 the width of the plate, and spaced at intervals noted.
5. Do not notch joists, rafters or beams except where shown in details. Obtain engineer's approval for any holes or notches not detailed. Holes through sills, plates, studs and double plates in interior, bearing and shear walls shall conform with the STANDARD DRILLING & NOTCHING OF PLATES & STUDS detail.
6. Equivalent Simpson Strong-Tie and USP connectors are as follows:

DUAL SPECIFICATION TABLE

SIMPSON CONNECTOR	USP CONNECTOR	SIMPSON CONNECTOR	USP CONNECTOR
CS16	RS150	HDU2	PHD2A
ST6224	HST224	HDU4	PHD4A
A35	MPA1	HDU5	PHD5A
LUS24-2	JUS24-2	HDU8	PHD8
H1A	RT1S	HDU11	UPHD11
H10A	RT16A		
LTP4	MPAF	STHD10	STAD10
LSSR	LSSH	STHD14	STAD14

7. The number and size of fasteners connecting wood members shall not be less than that set forth in the Fastener Schedule in the building code, UNO.
8. All nails, bolts, holdowns, straps or other steel fasteners in contact with preservative treated timber shall be hot-dipped galvanized, stainless steel, or otherwise treated or isolated to prevent corrosion. Contractor shall verify treatment method and confirm appropriate corrosion resistance be provided in accordance with hardware supplier recommendations.
9. Non-bearing, non-shear interior walls to be anchored to floor and/or roof as indicated on the STANDARD NON-BRG & NON-SHEAR WALL CONN detail.
10. The following lumber elements shall be preservative-treated:
    - All lumber members exposed to weather
    - Floor joists within 18" of grade
    - Girders within 12" of grade
11. Timber members in contact with soil shall be rated for ground contact.

PREFABRICATED WOOD TRUSSES

1. Prefabricated wood roof trusses shall be designed by the truss manufacturer. Bridging size and spacing by truss manufacturer UNO. Contractor shall submit shop drawings, erection drawings, and design calculations sealed by an engineer, registered in the jurisdiction where the project is constructed, for review prior to manufacture. Calculations and shop drawings shall show any special details required at bearing points. All connectors shall be Simpson or equivalent with current ICC approval.
2. Truss manufacturer to design trusses for lateral load (LAT = xxxx) in pounds, as shown on plans. Lateral loads are ASD-level loads.
3. Additional trusses shall be supplied as required to support mechanical equipment.
4. All truss-to-truss and truss-to-beam connectors per truss manufacturer.

GLUE-LAMINATED BEAMS (GLB)

1. Glue-laminated beams shall be 24F-V4, except cantilevers and continuous beams shall be 24F-V8. Beams shall have the following minimum properties: Fb = 2400 psi, Fv = 265 psi, Fc (perpendicular) = 650 psi, E = 1,800,000 psi. All beams shall be fabricated using waterproof glue. Fabrication and handling per latest AITC or APA standards. Beams to bear grade stamp and AITC or APA stamp and certificate. Moisture content shall be limited to 12% or less. All glulam beams to have a standard camber radius of 5000 ft, UNO.

LAMINATED VENEER LUMBER (LVL)

1. Laminated veneer lumber to have: Fb = 2600 psi, Fv = 285 psi, E = 2.0x10^6 psi
2. Double & triple LVL beams shall be nailed together as follows:
   Provide (2) rows of 16d sinkers at 12" OC for beams ≤ 11 7/8" deep
   Provide (3) rows of 16d sinkers at 12" OC for beams ≥ 11 7/8" deep
3. Beams w/ (4) or more plies shall be bolted together as indicated in the manufacturer's written specifications.
4. PSL beams of equal dimension, and with all properties equal to or greater than those listed in item 1, may be substituted without any additional review.

WOOD STRUCTURAL PANELS

1. All wood structural panels shall be plywood or APA-rated OSB. Panels shall bear the stamp of an approved agency. Panels shall be of the span/index rating shown on the plans. Fastening shall be indicated on the plans.
2. All plywood shall be C-D interior sheathing with exterior glue. Plywood shall be 4-ply, minimum.
3. All OSB shall be rated for Exposure 1 or Exterior use.

SHEATHING

1. Roof sheathing
   15/32" wood structural panel: plywood or OSB, panel index = 32/16, unblocked, nail with 8d common nails at 6" OC at all boundaries and supported edges, 12" OC field. Strong axis of sheathing to run perpendicular to supports.
2. Floor sheathing
   7/8" (min) wood structural panel: plywood or OSB, T&G, panel index = 48/24, unblocked, nail with 10d common nails at 6" OC at all boundaries and supported edges, 12" OC field. Strong axis of sheathing to run perpendicular to supports.
3. Shear wall sheathing
   Sheathing for shear walls shall be as indicated on the shear wall plans and schedules. Sheathing at shear walls may be installed with panels horizontal or vertical. All shear wall panels shall have minimum panel index = 24/0.

SHOP DRAWINGS

1. Shop drawings shall be submitted for all structural items in addition to items required by architectural specifications.
2. The contractor shall review all shop drawings prior to submittal. Items not in accordance with contract drawings shall be flagged for review.
3. Verify all dimensions with architect.
4. Any changes, substitutions, or deviations from original contract drawings shall be redlined or flagged by submitting parties.
5. The engineer has the right to approve or reject any deviations from the structural drawings at any time before or after shop drawing review.
6. Shop drawings do not override structural drawings. Changes from the structural drawings require explicit structural engineer approval and are not approved by general shop drawing review.
7. Designs depicted in shop drawings shall be verified for dimensional compatibility with the structural drawings.
8. Review of shop drawings is intended only as an aid to the contractor. Responsibility for corrections shall rest with the contractor.

STRUCTURAL STEEL

1. Wideflange (W) and channel (C and MC) steel shall conform w/ ASTM A992, UNO.
2. Square and rectangular tube steel (HSS) shall conform w/ ASTM A500 Grade C, UNO.
3. Steel pipes shall conform w/ ASTM A53 Grade B, UNO.
4. All other steel shapes and plates shall conform w/ ASTM A36, UNO.
5. Anchor bolts shall conform w/ ASTM F1554 Grade 36, UNO.
6. All bolts in structural steel-to-steel connections shall conform w/ ASTM F3125 Grade A325.
7. All bolt assemblies in steel-to-steel connections shall be tightened to a 'snug-tight' condition as defined by AISC, UNO.
8. All bolts shall be installed w/ heavy hex nuts conforming w/ ASTM A563 Grade C or DH or equivalent.
9. All bolt holes shall be standard size per AISC, UNO.
10. Hardened washers conforming w/ ASTM F436 or equivalent shall be installed under bolt heads and nuts at oversized and slotted holes.
11. All steel welding shall conform w/ AWS D1.1 and shall be completed by certified welders in a shop approved by the building official.
12. Field welding is not permitted except where specified in the structural drawings.
13. All steel welds shall utilize minimum E70XX low-hydrogen electrode UNO and shall meet all AWS D1.1 requirements.
14. All steel surfaces exposed to the elements or to moisture shall be properly protected by galvanizing per ASTM A123 (steel members) and ASTM F2329 (hardware). Other protective finishes may be approved by the engineer.
15. Grout material for base plates shall be non-metallic, non-shrink, pre-packaged grout conforming to ASTM C1107. Grout shall have a minimum compressive strength (f'c) of 5000 psi.

SPECIAL INSPECTION / QUALITY ASSURANCE PLAN

1. The lateral force resisting system consists of timber roof & floor diaphragms with wood shear walls.
2. The following special inspections are required:
   - All post-installed anchorage to concrete (periodic)
   - When required by the local building department: All timber elements of the lateral force-resisting system components
   a. The owners shall employ special inspectors who shall provide additional inspections during construction in accordance with chapter 17 of the building code.
   b. All special inspections shall be performed by an independent certified inspector from an established testing agency, licensed and approved by the building official.
   c. Copies of all structural testing and inspection reports shall be provided to Vector Structural Engineering and all interested parties.
3. Structural testing is not required.
4. No structural observation is required. However, the EOR reserves the right to make field observations during construction.

SHEET INDEX

SHT #	SHEET NAME	ORIGINAL	1 MM-DD-YY	2 MM-DD-YY	3 MM-DD-YY	4 MM-DD-YY	5 MM-DD-YY	6 MM-DD-YY	7 MM-DD-YY
S1	GENERAL STRUCTURAL NOTES	●							
S1.1	STANDARD DETAILS & SCHEDULES	●							
S1.2	STANDARD DETAILS & SCHEDULES	●							
S2	FOUNDATION PLAN	●							
S3	FLOOR FRAMING PLAN	●							
S4	ROOF FRAMING PLAN	●							
S5	SHEAR WALL PLAN	●							
SD-1	STRUCTURAL DETAILS	●							
SD-2	STRUCTURAL DETAILS	●							

ABBREVIATIONS

AB	ANCHOR BOLT	EJ	EXPANSION JOINT	o/	OVER
ABV	ABOVE	EL	ELEVATION	OC	ON CENTER
ADDL	ADDITONAL	EMBED	EMBEDMENT	OD	OUTSIDE DIAMETER
ARCHL	ARCHITECTURAL DRAWINGS	EOR	ENGINEER OF RECORD	OPNG	OPENING
b/	BOTTOM OF	EQ	EQUAL	OPP	OPPOSITE
BLDG	BUILDING	EW	EACH WAY	OPT	OPTIONAL
BLK	BLOCK/BLOCKING	FIN	FINISHED	OSB	ORIENTED STRAND BOARD
BLW	BELOW	FL or FLR	FLOOR	OSF	OUTSIDE FACE
BM	BEAM	FND	FOUNDATION	PL	PLATE
BOT	BOTTOM	FS	FAR SIDE	PSL	PARALLEL STRAND LUMBER
BRG	BEARING	FTG	FOOTING	PT	POST-TENSION
CANTL	CANTILEVERED	GL	GLUE LAMINATED	PT	PRESSURE TREATED
CFS	COLD-FORMED STEEL	GSN	GENERAL STRUCTURAL NOTES	REINF	REINFORCEMENT
CIP	CAST IN PLACE	HD	HOLDOWN	REQD	REQUIRED
CJ	CONTROL JOINT	HDR	HEADER	SHT	SHEET
CL	CENTER LINE	HGR	HANGER	SHTHG	SHEATHING
CLG	CEILING	HOR	HORIZONTAL	SIM	SIMILAR
CLR	CLEAR	ID	INSIDE DIAMETER	SQ	SQUARE
CMU	CONCRETE MASONRY UNIT	ISF	INSIDE FACE	STD	STANDARD
COL	COLUMN	JT	JOINT	STL	STEEL
CONC	CONCRETE	KP	KING POST	SYM	SYMMETRICAL
CONN	CONNECT/CONNECTION	KS	KING STUD	t/	TOP OF
CONST	CONSTRUCTION	LLH	LONG LEG HORIZONTAL	T&B	TOP AND BOTTOM
CONT	CONTINUOUS	LLV	LONG LEG VERTICAL	THK	THICK
C.W.	CROSSWISE	LSH	LONG SIDE HORIZONTAL	TOF	TOP OF FOOTING
DBL	DOUBLE	LSL	LAMINATED STRAND LUMBER	TOW	TOP OF WALL
DIM	DIMENSION	LSV	LONG SIDE VERTICAL	TS	TRIMMER STUD
DIR	DIRECTION	LVL	LAMINATED VENEER LUMBER	TYP	TYPICAL
DTL	DETAIL	L.W.	LENGTHWISE	u/	UNDER
DWG	DRAWING	MFR	MANUFACTURER/MANUFACTURED	UNO	UNLESS NOTED OTHERWISE
DWL	DOWEL	MIR	MIRRORED	VERT	VERTICAL
(E)	EXISTING	(N)	NEW	w/	WITH
EA	EACH	NS	NEAR SIDE	WP	WORK POINT
EF	EACH FACE	NTS	NOT TO SCALE		

ORIGINAL: 11/24/25
REV. # | DATE | BY: | DESCRIPTION
ENG: MDW | DWN: TMD | CHK: KJT

VECTOR ENGINEERS
MERIDIAN, IDAHO
(208) 996-0303
WWW.VECTORSE.COM
ID FIRM LICENSE NUMBER
C2269

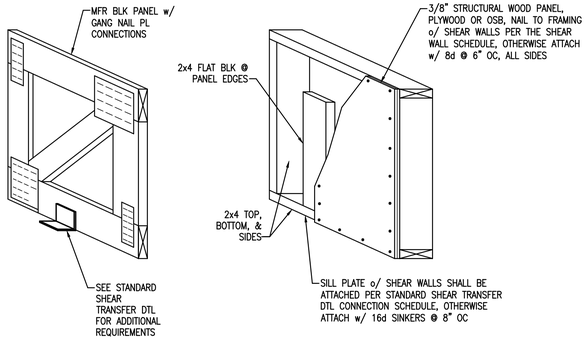
Slate, LLC
Swaggart Spec L5B12
Terraview Subdivision Lot 5 Blk 12
Eagle, ID 83616

GENERAL STRUCTURAL NOTES

PROFESSIONAL ENGINEER LICENSED 21631 STATE OF IDAHO KALEB JOSEPH TACKETT
11/24/2025
KALEB JOSEPH TACKETT, P.E.
21631

U6565.0065.251

S1



STANDARD BLOCKING PANEL

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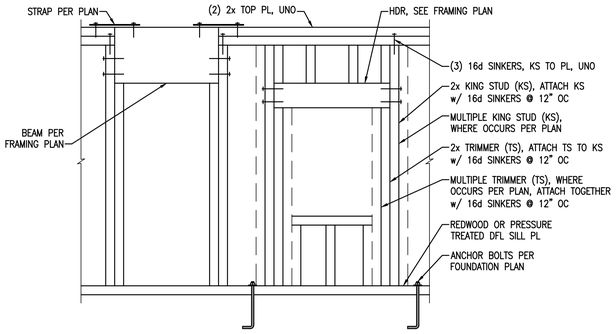
7



STANDARD WALL FRAMING

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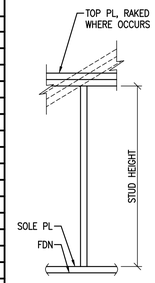
STUD HEIGHT TABLE			
STUD WALL TYPE	BEARING AND/OR SHEAR WALLS (MAX HEIGHT)		NON-BEARING AND NON-SHEAR WALLS (MAX HEIGHT)
	EXTERIOR	INTERIOR	INTERIOR ONLY
2x4 STUD @ 16" OC	8'-6"	10'-0"	13'-0"
2x4 STUD @ 12" OC	9'-6"	11'-6"	14'-0"
(2) 2x4 STUD @ 16" OC	12'-0"	13'-6"	14'-0"
2x4 DFL #2 @ 16" OC	9'-0"	11'-0"	13'-0"
2x4 DFL #2 @ 12" OC	10'-6"	13'-0"	14'-0"
(2) 2x4 DFL #2 @ 16" OC	13'-0"	13'-6"	14'-0"
2x6 STUD @ 16" OC	14'-6"	19'-0"	20'-0"
2x6 STUD @ 12" OC	17'-0"	21'-0"	22'-0"
(2) 2x6 STUD @ 16" OC	21'-0"	22'-0"	22'-6"
2x6 DFL #2 @ 16" OC	16'-6"	19'-6"	20'-0"
2x6 DFL #2 @ 12" OC	18'-6"	21'-6"	22'-0"
(2) 2x6 DFL #2 @ 16" OC	22'-6"	22'-6"	22'-6"
2x8 DFL #2 @ 16" OC	22'-0"	26'-6"	27'-0"
2x8 DFL #2 @ 12" OC	25'-6"	28'-0"	30'-0"
(2) 2x8 DFL #2 @ 16" OC	29'-6"	29'-6"	30'-0"
1-3/4 x 7-1/4 LVL STUDS @ 16" OC	27'-0"	30'-0"	30'-0"
1-3/4 x 5-1/2 LVL STUDS @ 16" OC	20'-6"	21'-6"	22'-0"
2x4 OR 2x6 STUD @ 24" OC	–	–	11'-6"



NOTES:
1. THIS TABLE ASSUMES IBC WIND LOADS w/ 115 mph, EXP "C" AT EXTERIOR WALLS & 5 psf LATERAL LOAD AT INTERIOR WALLS.
2. THIS TABLE ASSUMES AXIAL DL = 710 lb/ft, LL = 760 lb/ft AT EXTERIOR AND INTERIOR WALLS.

STANDARD STUD TABLE

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NOT USED

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5

SHEAR WALL SCHEDULE							
MARK	MIN BLOCKED MATERIAL	EDGE / BOUNDARY NAILING	FIELD NAILING	SOLE PL NAILING, WHERE OCCURS	WALL CAPACITY		DEFAULT SILL ANCHORAGE, UNO
					SEISMIC	WIND	
G1	1/2" GYPBOARD	#6 SCREWS @ 8" OC	#6 DRYWALL SCREWS @ 12" OC	16d SINKERS @ 6" OC	60 plf	60 plf	S0
P1	3/8" PLYWOOD OR OSB	8d COMMON NAILS @ 6" OC	8d COMMON NAILS @ 12" OC	16d SINKERS @ 6" OC	260 plf	365 plf	S1
P2	3/8" PLYWOOD OR OSB	8d COMMON NAILS @ 4" OC	8d COMMON NAILS @ 12" OC	16d SINKERS @ 4" OC	365 plf	520 plf	S2
P3	3/8" PLYWOOD OR OSB	8d COMMON NAILS @ 3" OC	8d COMMON NAILS @ 12" OC	16d SINKERS @ 3" OC	490 plf	685 plf	S3
P4	3/8" PLYWOOD OR OSB	8d COMMON NAILS @ 2" OC	8d COMMON NAILS @ 12" OC	16d SINKERS @ 2" OC	640 plf	895 plf	S4

SILL ANCHORAGE SCHEDULE				
MARK	NOMINAL SILL PL THICKNESS	ø1/2" AB SPACING	ø5/8" AB SPACING	CAPACITY
S0	2x	48" OC	72" OC	260 plf
S1	2x	32" OC	48" OC	370 plf
S2	2x	24" OC	32" OC	520 plf
S3	2x	16" OC	24" OC	740 plf
S4	2x	12" OC	16" OC	1040 plf

SHEAR WALL LENGTH TOLERANCES	
SPECIFIED SHEAR WALL LENGTH	ACCEPTABLE SHEAR WALL TOLERANCE
UP TO 3'-0"	± 2"
OVER 3'-0" AND UP TO 5'-0"	± 3"
OVER 5'-0" AND UP TO 7'-0"	± 4"
OVER 7'-0" AND UP TO 10'-0"	± 6"
OVER 10'-0"	± 8"

1. ALL SHEAR WALLS SHALL BE FRAMED TO THE MINIMUM LENGTHS SHOWN ON THE PLANS WITH THE TOLERANCES INDICATED ON THE TABLE ABOVE, UNO ON PLAN w/ MINIMUM WALL LENGTH.
2. ALL SHEAR WALLS SHALL TERMINATE ON AT LEAST (1) FULL HEIGHT STUD. ADDITIONAL STUDS OR SOLID POSTS SHALL BE INSTALLED AS REQUIRED FOR HOLDOWNS WHERE THEY OCCUR.
3. 8d COMMON NAIL SHANK DIAMETER = 0.131", 16d SINKER SHANK DIAMETER = 0.148"
4. FOR "P2", "P3" AND "P4" SHEAR WALLS, ALL FRAMING RECEIVING EDGE NAILING FROM ADJOINING PANEL EDGES SHALL BE 3-INCH NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED. AS AN ALTERNATE, (2) 2x STUDS MAY BE USED PROVIDED THEY ARE NAILED TOGETHER w/ (2) 16d SINKERS @ 6" OC FULL HEIGHT.
5. FOR "P2", "P3" AND "P4" DOUBLE-SIDED SHEAR WALLS, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS, OR FRAMING SHALL BE 3-INCH NOMINAL OR WIDER AT ADJOINING PANEL EDGES AND NAILS ON EACH SIDE SHALL BE STAGGERED.
6. ALL ANCHOR BOLTS SHALL HAVE 7" MINIMUM EMBEDMENT.
7. ALL SHEAR WALL ANCHOR BOLTS SHALL INCLUDE A STEEL 3"x3"x0.229" PLATE WASHER BETWEEN THE SILL PL & NUT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1-3/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. ANCHOR BOLTS & PLATE WASHERS ARE TO BE OFFSET TOWARD THE SHEATHED WALL EDGE TO LIMIT THE GAP BETWEEN THE EDGE OF WASHER TO SHEATHING TO A MAXIMUM OF 1/2". WHERE BOTH SIDES OF A 2x6 WALL IS SHEATHED A STEEL 4-1/2"x3"x0.229" PLATE WASHER SHALL BE CENTERED ON THE SILL PLATE, PER THE "STANDARD SHEAR WALL WASHERS" DETAIL.

STANDARD SHEAR WALL SCHEDULE

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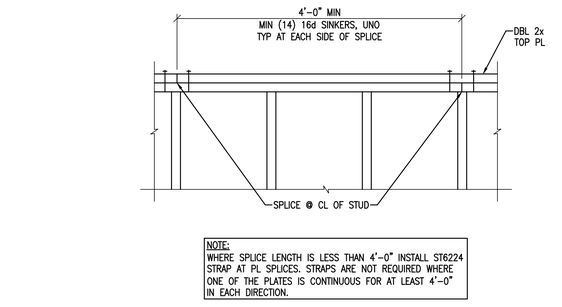
1

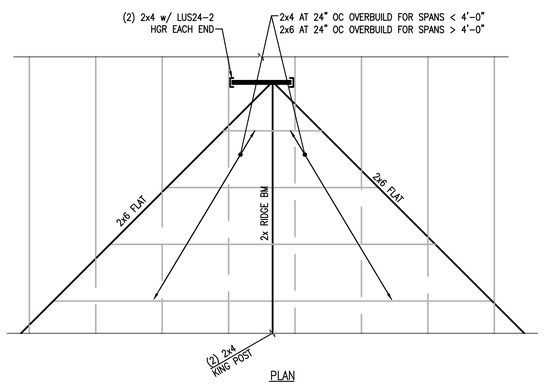


NOTE:
WHERE SPLICE LENGTH IS LESS THAN 4'-0" INSTALL ST6224 STRAP AT PL SPLICES. STRAPS ARE NOT REQUIRED WHERE ONE OF THE PLATES IS CONTINUOUS FOR AT LEAST 4'-0" IN EACH DIRECTION.

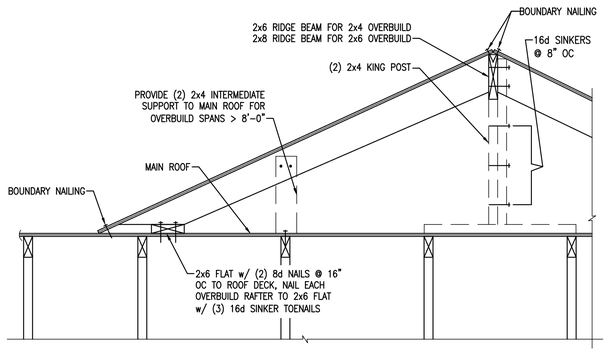
STANDARD TOP PLATE SPLICE

NTS

9



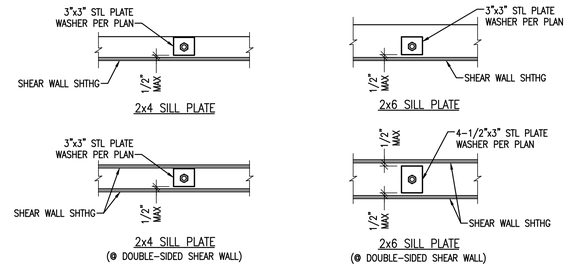
PLAN



STANDARD OVERBUILD

NTS

6



STANDARD SHEAR WALL WASHERS

NTS

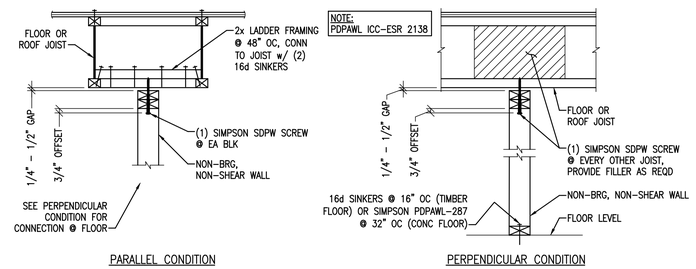
2

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING, BOTTOM
F2.0	2'-0" SQ x 10" THICK	(3) #4 EACH WAY
F2.5	2'-6" SQ x 10" THICK	(3) #4 EACH WAY
F3.0	3'-0" SQ x 12" THICK	(4) #4 EACH WAY
F3.5	3'-6" SQ x 12" THICK	(5) #4 EACH WAY
F4.0	4'-0" SQ x 12" THICK	(6) #4 EACH WAY
F4.5	4'-6" SQ x 14" THICK	(7) #4 EACH WAY
F5.0	5'-0" SQ x 14" THICK	(8) #4 EACH WAY
F5.5	5'-6" SQ x 16" THICK	(10) #4 EACH WAY
CF1.0	1'-0" WIDE x 10" THICK	(2) #4 CONT
CF1.33	1'-4" WIDE x 10" THICK	(2) #4 CONT
CF1.5	1'-6" WIDE x 10" THICK	(2) #4 CONT

STANDARD FOOTING SCHEDULE

NTS

3



STANDARD NON-BRG & NON-SHEAR WALL CONN

NTS

10

ORIGINAL: 11/24/25 | ENG: MDW | DWN: TND | CHK: KJT

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CC2269

Slate, LLC
Swaggart Spec L5B12
Terraview Subdivision Lot 5 Blk 12
Eagle, ID 83616

STANDARD DETAILS & SCHEDULES

PROFESSIONAL ENGINEER LICENSED 21631 STATE OF IDAHO KALEB JOSEPH TACKETT

11/24/2025

KALEB JOSEPH TACKETT, P.E. 21631

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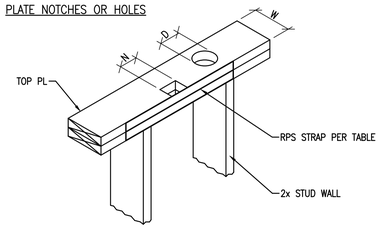
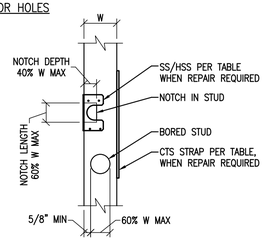
PLATE NOTCHES OR HOLES



2x4 STUD	2x6 STUD	2x4 & 2x6 PLATE	
HOLE DIA. 'D'	HOLE DIA. 'D'	NOTCH WIDTH 'N' (MAX NOTCH DEPTH = W/2	RPS STRAP
≤ 7/8"	≤ 1"	≤ 1"	NONE
≤ 1"	≤ 1 3/8"	≤ 2 1/2"	(1) RPS18
≤ 1 3/8"	≤ 2 1/8"	≤ 5 1/2"	(2) RPS18
≤ 2"	≤ 3 1/4"	≤ 12"	(2) RPS28

NOTES:
1. USE RPSZ FOR SILL PLATE.
2. CENTER STRAPS @ NOTCH OR HOLE.
3. WHERE ROOF TRUSS OR FLOOR JOIST IS BEARING WITHIN STUD BAY OF THE HOLE OR NOTCH, INSTALL AN ADDITIONAL STUD DIRECTLY BELOW THE TRUSS OR JOIST UNLESS NO RPS STRAP IS REQUIRED OR WHERE EXISTING STUD FACE IS WITHIN 3" OF TRUSS OR JOIST FACE.
4. NOTCHES & HOLES MUST BE SEPARATED BY "2xD" OR "2xN".
5. WHERE MULTIPLE HOLES ARE LOCATED ADJACENT TO EACH OTHER, THE STRAP REPAIR MAY BE WITH A CS16 STRAP ON EACH SIDE OF THE UPPER PLATE. THE STRAPS AND NAILING SHALL EXTEND AT LEAST 9" BEYOND EACH END OF THE WHOLE GROUP. NAILING BETWEEN THE HOLES IS NOT REQUIRED. NAILS IN THE CS16 STRAPS MAY BE N8'S OR N10'S.

STUD NOTCHES OR HOLES



ALLOWABLE HOLES OR NOTCHES FOR NON-BEARING, NON-SHEAR OR INTERIOR PARTITIONS (NO REPAIR REQD)

HOLE / NOTCH SCHEDULE

HOLE / NOTCH % OF 'W'	2x4 STUD	2x6 STUD
25%	3/4"	1-3/8"
40%	1-3/8"	2-1/8"
60%	2"	3-1/4"

NOTES:
1. HOLES & NOTCHES SHALL NOT OCCUR IN THE SAME STUD.
2. WHERE HOLES OR NOTCHES EXCEED THOSE SHOWN ABOVE, REPAIR PER TABLE BELOW.
3. ALL NOTCHES IN BEARING OR SHEAR OR EXTERIOR WALLS REQUIRE REPAIRS.

STUD HOLE REPAIR

	2x4 STUD	2x6 STUD	
	HOLE DIA. 'D'	HOLE DIA. 'D'	REPAIR
NON-BEARING & NON-SHEAR & INTERIOR	≤ 2 3/4"	≤ 4 1/2"	(1) CTS218 w/ 10d
BEARING OR SHEAR OR EXTERIOR WALL	≤ 3/4"	≤ 1 3/8"	(1) CTS218 w/ 10d
BEARING OR SHEAR OR EXTERIOR	≤ 2 3/4"	≤ 4 1/2"	(2) CTS218 TWO-SIDED w/ 10d

STUD NOTCH REPAIR

	2x4 STUD	2x4 STUD	2x6 STUD	2x6 STUD	
	NOTCH DEPTH	NOTCH LENGTH	NOTCH DEPTH	NOTCH LENGTH	REPAIR
NON-BEARING & NON-SHEAR & INTERIOR	≤ 2 1/2"	≤ 4 1/2"	≤ 3 3/4"	≤ 4 1/2"	(1) CTS218 w/ 10d
BEARING OR SHEAR OR EXTERIOR WALL	≤ 2 1/2"	≤ 2 1/2"	≤ 2 1/2"	≤ 2 1/2"	SS w/ 10d
BEARING OR SHEAR OR EXTERIOR	≤ 2 3/4"	≤ 4 1/2"	≤ 4 1/2"	≤ 4 1/2"	(2) CTS218 TWO-SIDED w/ 10d

STANDARD DRILLING & NOTCHING OF PLATES & STUDS (6)

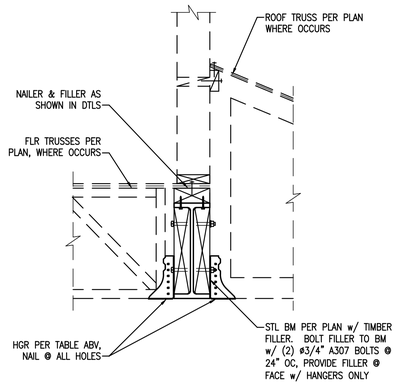
NTS

MFR TRUSS TO BEAM HANGERS

CARRYING MEMBER	CARRIED MBR WIDTH	HANGER TYPE	MAX REACTION (FROM TRUSS CALCS.) (LBS)	NOTES
STEEL OR TIMBER	1-1/2"	LUS210	1275	FACE MOUNT
STEEL OR TIMBER	1-1/2"	HUS26	2565	FACE MOUNT
STEEL OR TIMBER	1-1/2"	HGUS26	3750	FACE MOUNT
STEEL OR TIMBER	1-1/2"	HGUS28	5720	FACE MOUNT
STEEL OR TIMBER	3"	LUS26-2	1000	FACE MOUNT
STEEL OR TIMBER	3"	HHUS26-2	2580	FACE MOUNT
STEEL OR TIMBER	3"	HGU26-2	3940	FACE MOUNT
STEEL OR TIMBER	3"	HGUS28-2	6805	FACE MOUNT
STEEL OR TIMBER	3"	HGUS210-2	8650	FACE MOUNT
STEEL OR TIMBER	3-1/2"	LUS46	1000	FACE MOUNT
STEEL OR TIMBER	3-1/2"	HHUS46	2580	FACE MOUNT
STEEL OR TIMBER	3-1/2"	HGUS46	3940	FACE MOUNT
STEEL OR TIMBER	3-1/2"	HGUS48	6805	FACE MOUNT
STEEL OR TIMBER	6"	HGUS26-4	3940	FACE MOUNT
STEEL OR TIMBER	6"	HGUS210-4	8780	FACE MOUNT
STEEL OR TIMBER	6"	HGUS212-4	9155	FACE MOUNT

NOTES:

1. FOR STEEL BEAMS CARRYING FLOOR TRUSSES, PROVIDE TIMBER FILLER PER DTL BELOW.
2. ALTERNATE HANGERS MAY BE USED AT THE CONTRACTOR'S OPTION. SUBMIT TO ENGINEER OF RECORD FOR APPROVAL.
3. HANGERS APPLICABLE FOR TIMBER BEAMS.



TYP STEEL BEAM

STANDARD TRUSS HANGERS (4)

NTS

NOT USED (5)

NTS

STANDARD TRUSS TIE-DOWNS

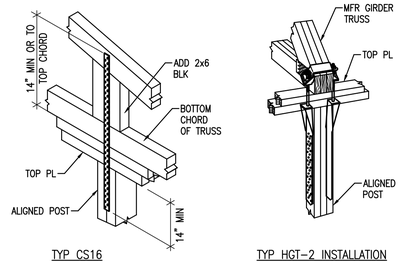
UPLIFT LOAD PER TRUSS MANUFACTURER	SIMPSON TIE-DOWN	REQD ALIGNED HOLDOWN & POST
130 TO 425 lbs	H1A or CS16	NOT REQD
< 485 lbs	SDWC TRUSS SCREW	NOT REQD
< 615 lbs	H2.5A or CS16	NOT REQD
< 1015 lbs	H10A or CS16	HDU2 & (2) 2x4 POST
< 1180 lbs	H16 or CS16	HDU2 & (2) 2x4 POST
< 6485 lbs	HGT-2	(2) 2x4 POST w/ HDU4 (2) HDU2 @ TOP TO HGT-2 AT (1) PLY TRUSS, INSTALL 2x SHAPED FILLER ADJACENT TO TRUSS AT BEARING

NOTES:
1. TIE-DOWN CAPACITIES ARE BASED ON SPRUCE PINE FIR
2. TRUSS UPLIFT OF LESS THAN 130lbs: TIE-DOWN NOT REQD, ATTACH w/ (3) 16d SINKER TOENAILS TRUSS TO PL
3. SEE TYP HOLDOWN ANCHORAGE DETAIL FOR HDU HOLDOWN INSTALLATION

STANDARD FLOOR-TO-FLOOR STRAPS

*UPLIFT LOAD PER TRUSS MANUFACTURER	SIMPSON TIE-DOWN	REQD ALIGNED POST
< 1705 lbs	CS16	2x4 POST
< 3410 lbs	(2) CS16	(2) 2x4 POST

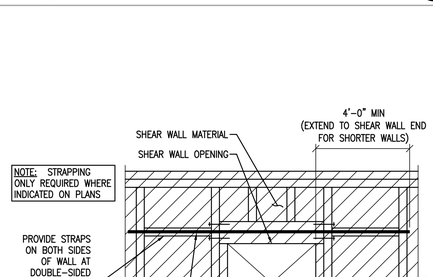
NOTES:
1. INSTALL CS16 STRAPS TO 2x STUDS ABOVE AND BELOW FLOOR FRAMING. NAIL EACH END w/ (11) 10d NAILS. STRAP TO EXTEND MIN 14" ONTO STUDS ABOVE AND BELOW FLOOR FRAMING.
2. WHERE UPLIFT OCCURS ABOVE HDR OR BM, INSTALL STRAP PER SCHEDULE AT EACH TRIMMER OR POST
3. FLOOR TO FLOOR STRAPS REQD ALIGNED WITH ROOF TRUSS ABV



TYP CS16 | TYP HGT-2 INSTALLATION

STANDARD TRUSS ANCHORAGE (2)

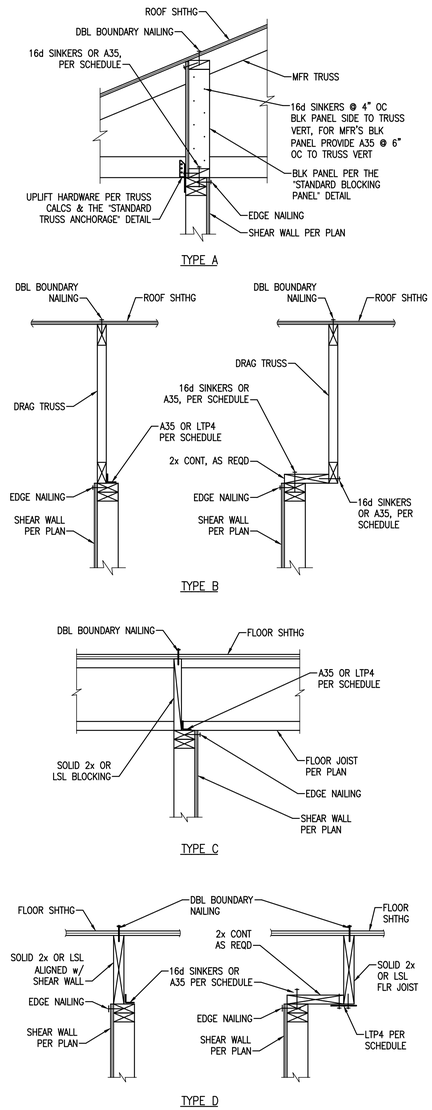
NTS



ELEVATION

SHEAR TRANSFER @ OPENING (3)

NTS



TYPE A

TYPE B

TYPE C

TYPE D

CONNECTION SCHEDULE

SHEAR WALL	A35 OR LTP4	16d SINKERS
P1	18" OC	6" OC
P2	12" OC	4" OC
P3	10" OC	3" OC (STAGGERED)
P4	8" OC	2" OC (STAGGERED)
DBL P3 OR P4	6" OC	(2) @ 3" OC (STAGGERED)

STANDARD SHEAR TRANSFER (1)

NTS

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STANDARD DETAILS & SCHEDULES

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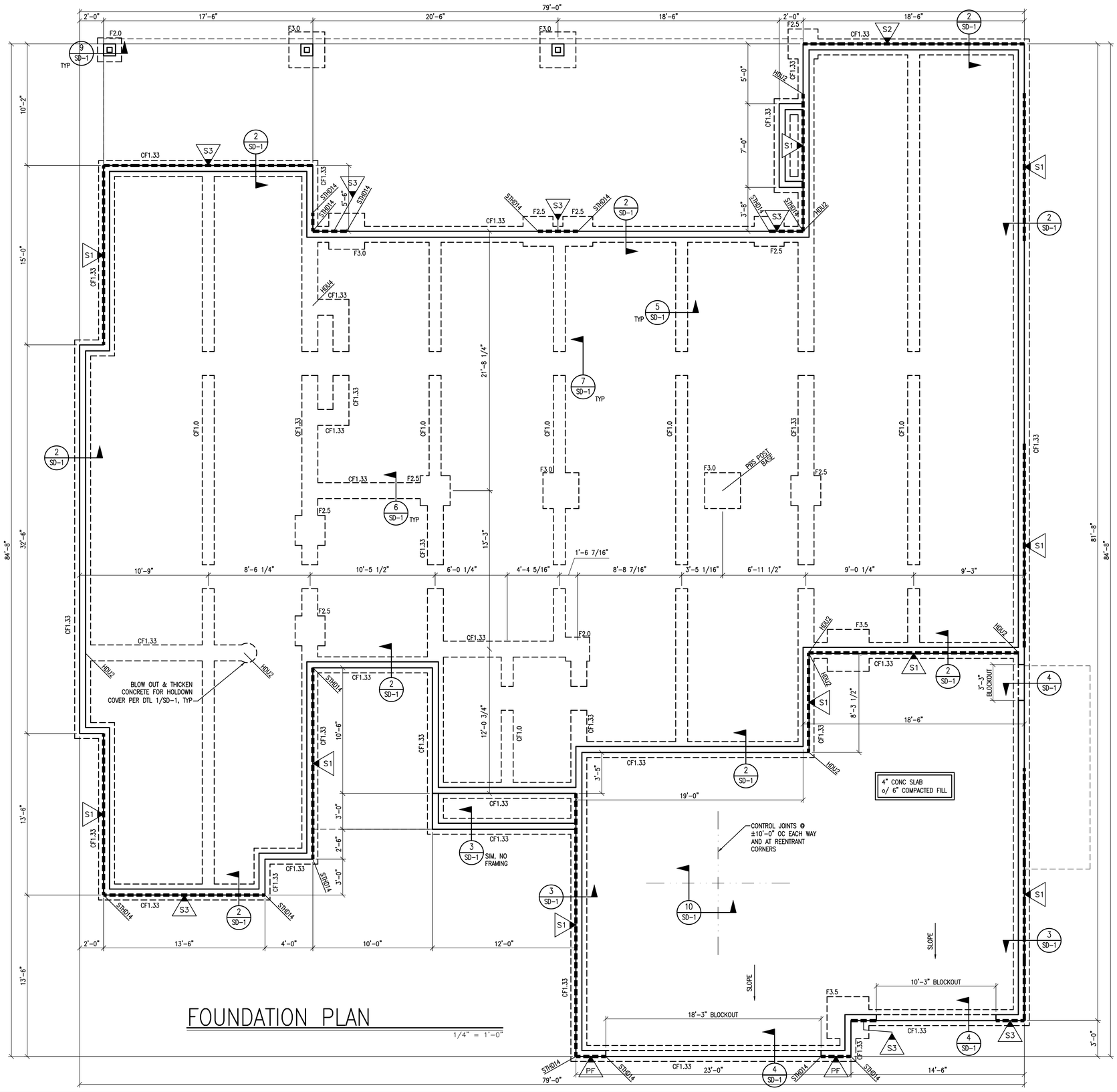


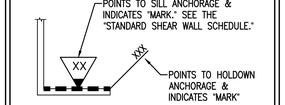
FOUNDATION PLAN

1/4" = 1'-0"

FOUNDATION NOTES

1. CONTRACTOR TO CONFIRM DIMENSIONS WITH ALL THE ARCHL PLANS PRIOR TO CONSTRUCTION.
2. ALL EXTERIOR WALLS, INTERIOR BEARING WALLS & SHEAR WALLS TO BE ATTACHED TO THE FOUNDATION w/ ø1/2" x 10" LONG ANCHOR BOLTS (7" EMBED) AT 72" OC, UNO. SEE THIS PLAN & THE "STANDARD SHEAR WALL SCHEDULE" FOR ANCHOR BOLT REQUIREMENTS AT SHEAR WALLS. ANCHOR BOLTS AT SHEAR WALLS TO HAVE WASHERS PER THE "STANDARD SHEAR WALL SCHEDULE." ALL OTHER ANCHOR BOLTS TO HAVE WASHERS PER "WOOD" NOTE 3 ON GSN.
3. ISOLATED FOOTINGS & INTERIOR STRIP FOOTINGS TO BE CENTERED BELOW POSTS & BEARING/SHEAR WALLS, RESPECTIVELY.
4. FX.X = SPREAD FOOTING PER THE "STANDARD FOOTING SCHEDULE"
   CFX.X = CONTINUOUS FOOTING PER THE "STANDARD FOOTING SCHEDULE"
5. MASA MUDSILL ANCHORS MAY BE USED IN PLACE OF ANCHOR BOLTS, INSTALLED AT THE SAME SPACING INDICATED FOR ANCHOR BOLTS, INCLUDING REDUCED SPACING AT SHEAR WALLS.
6. STRIP & REMOVE EXISTING VEGETATION, REMOVE UNCONTROLLED FILL, OVEREXCAVATE AND REPLACE w/ PROPERLY COMPACTED FILL.
7. FOUNDATION VENTS, WHEN REQUIRED, TO BE INSTALLED AND SPACED PER IRC R408. MAINTAIN 1'-0" HORIZONTAL CLEARANCE BETWEEN VENTS AND HOLDOWNS/POSTS.
8. PF – INDICATES LOCATION OF PORTAL FRAME PER THE SHEAR WALL PLANS.

SILL ANCHORAGE KEY



NOTE:
SEE SHEET SD-1 FOR THE "HOLDOWN ANCHORAGE SCHEDULE."

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FOUNDATION PLAN

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CRAWL SPACE FRAMING NOTES

1. ALL PONY WALLS SUPPORTING BEARING WALLS ABOVE ARE TO MATCH THE SIZE AND SPACING OF THE BEARING ABOVE, UNO. ALL OTHER PONY WALLS TO BE 2x4 @ 16" OC, UNO.
2. FACE NAIL MULTIPLE 2x POSTS WITH 16d SINKERS @ 6" OC.
3. PROVIDE A CONTINUOUS LOAD PATH TO THE FOUNDATION WITH POSTS AND SQUASH BLOCKS, AS REQUIRED.
4. PLUMBING FIXTURE LOCATIONS ARE SHOWN AS PROVIDED BY THE ARCHITECT. THE CONTRACTOR TO VERIFY ACTUAL LOCATIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
5. ▨ INTERIOR BEARING WALLS

FLOOR FRAMING PLAN

1/4" = 1'-0"

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FLOOR FRAMING PLAN

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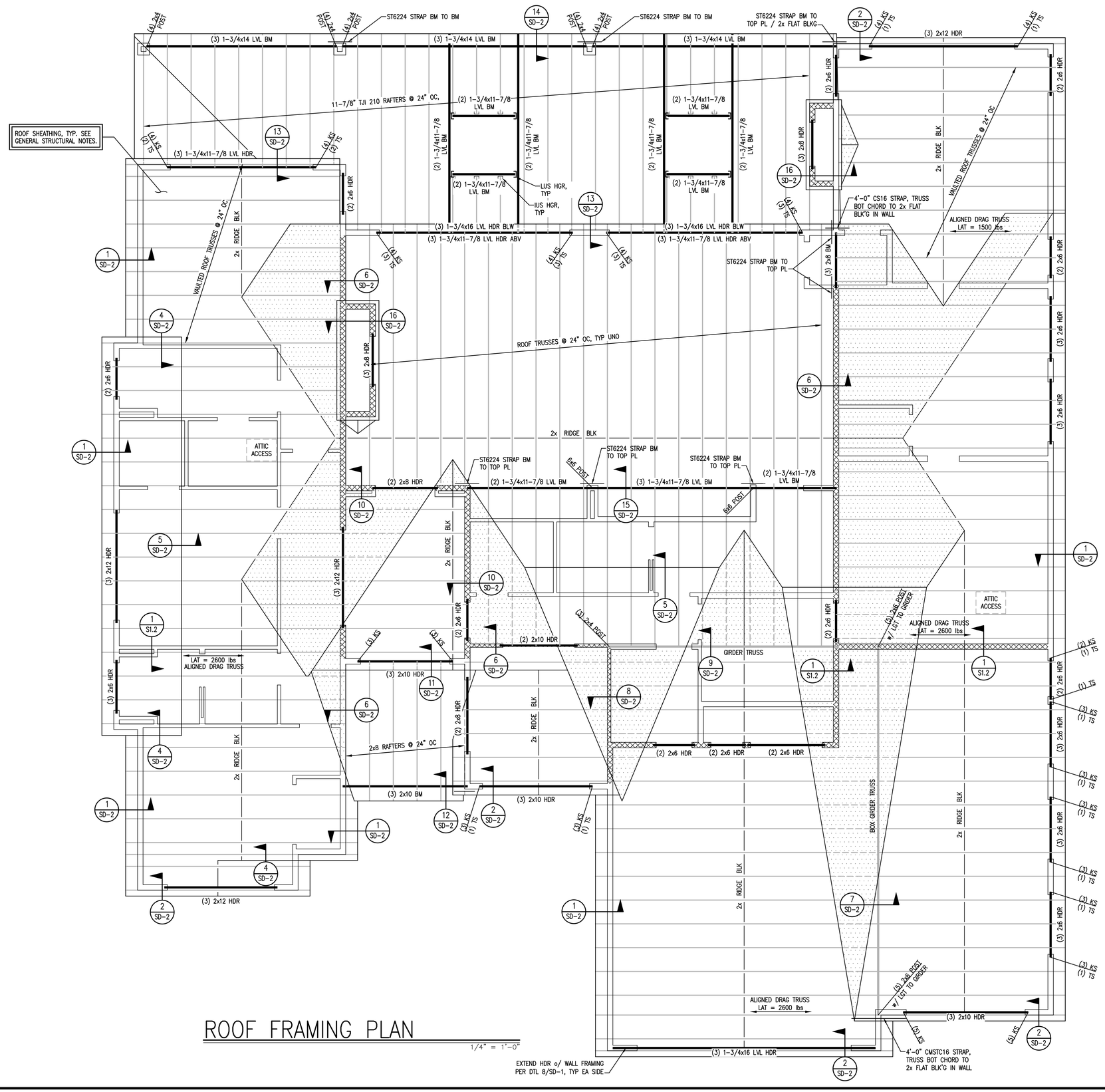

ROOF FRAMING PLAN

1/4" = 1'-0"

FRAMING NOTES

1. ALL FRAMED WALLS TO BE 2x @ 16" OC (MAX) PER THE ARCHITECTURAL PLANS AND SHALL MEET THE REQUIREMENTS OF THE "STANDARD STUD TABLE" AND THE FRAMING REQUIREMENTS OF THE "STANDARD WALL FRAMING" DETAIL.
2. FACE NAIL MULTIPLE 2x POSTS WITH 16d SINKERS @ 6" OC.
3. OVERBUILD, STICK FRAMED PER THE "STANDARD OVERBUILD" DETAIL OR OVERBUILD TRUSSES PER THE TRUSS MANUFACTURER.
4. INTERIOR BEARING WALLS
5. PROVIDE A (2) 2x POST EACH END OF ALL BEAMS & GIRDER TRUSSES, UNO.
6. PROVIDE A CONTINUOUS LOAD PATH TO THE FOUNDATION WITH POSTS, CRIPPLES, AND SQUASH BLOCKS, AS REQUIRED.
7. BEAM AND HEADER SIZES INDICATED ON THE PLANS ARE MINIMUM SIZES. LARGER SIZES MAY BE INSTALLED AT THE CONTRACTOR'S OPTION.
8. A CONTINUOUS TOP PLATE MAY BE USED IN LIEU OF A STRAP FROM BEAM TO PLATE.

KING STUD & TRIMMER SCHEDULE

NUMBER OF KS / TS	(1) KS / (1) TS	(2) KS / (2) TS	(3) KS / (2) TS
WALL SIZE	MAX OPENING WIDTH		
2x4	3'-0"	6'-0"	12'-0"
2x6	4'-0"	10'-0"	18'-0"
2x8	4'-0"	10'-0"	18'-0"

NOTES:
1. THE NUMBER OF KING STUDS AND TRIMMERS ARE TO BE INSTALLED AS SHOWN IN THE SCHEDULE, UNO ON THE PLANS.
2. FACE NAIL MULTIPLE STUDS w/ 16d SINKERS @ 12" OC.

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ROOF FRAMING PLAN

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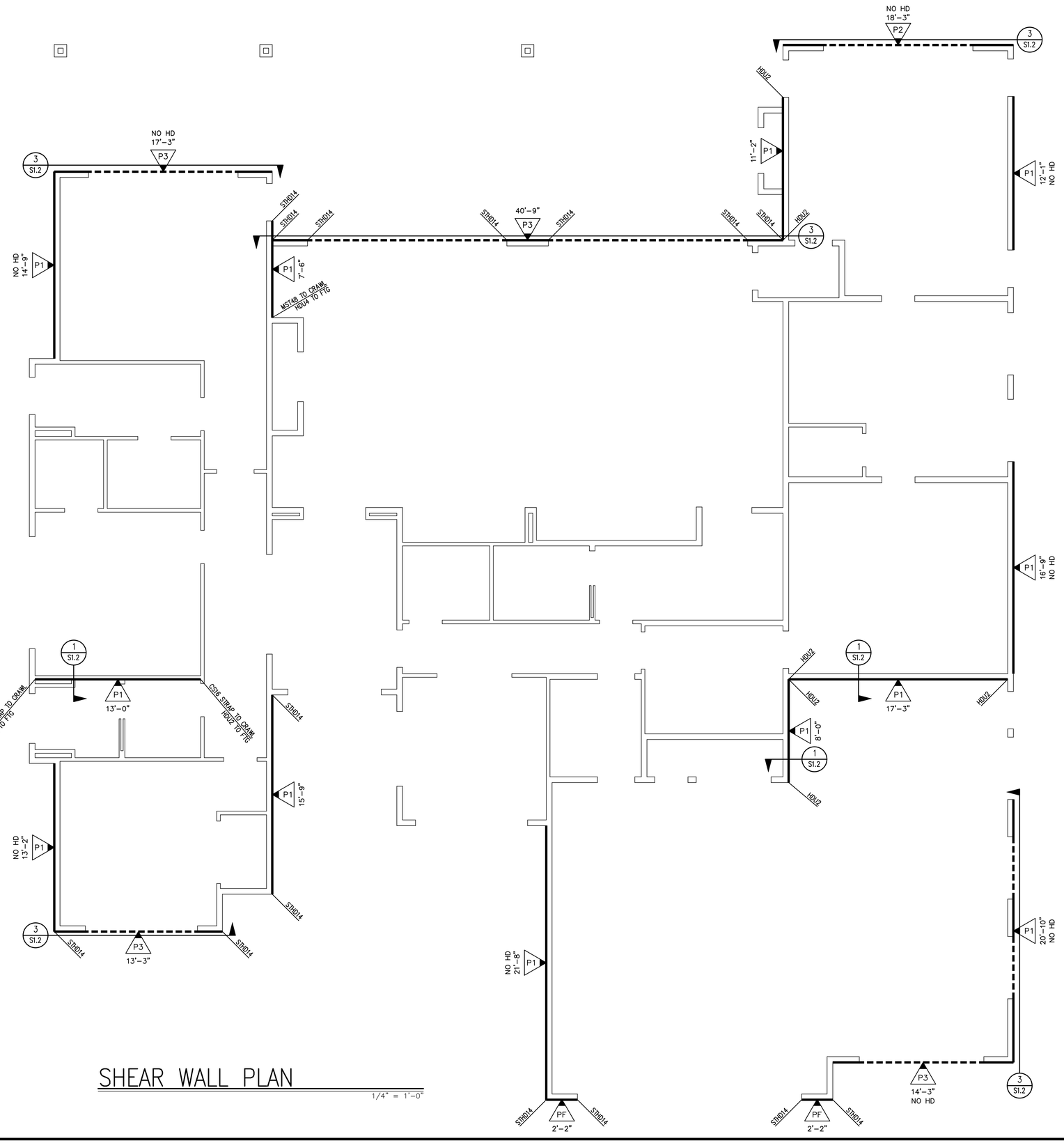
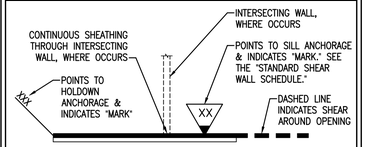


SHEAR WALL PLAN

1/4" = 1'-0"

SHEAR WALL KEY



NOTE:
SEE SHEET SD-1 FOR THE "HOLDOWN ANCHORAGE SCHEDULE."

SHEAR WALL NOTES

1. SHEAR WALL SHEATHING MAY BE ON EITHER SIDE OF THE INDICATED WALL.
2. WHERE STRAP HOLDOWN IS ATTACHED TO A SINGLE KING STUD & A SINGLE TRIMMER, ATTACH THE TWO TOGETHER w/ (2) 16d SINKERS @ 6"OC FULL HEIGHT OR w/ LTP4 @ 12" OC FULL HEIGHT.
3. PF – INDICATES LOCATION OF PORTAL FRAME PER DTL 8/SD-1.

FLOOR-TO-FLOOR HOLDOWN STRAP SCHEDULE

STRAP	NAILING EA END	LENGTH	MIN ALIGNED STUDS
CS16	(11) 10d NAILS	FLOOR DEPTH + 31"	2x
MST48	(13) 16d NAILS	48"	(2) 2x
MST60	(20) 16d NAILS	60"	(2) 2x
MST72	(27) 16d NAILS	72"	(2) 2x
CMST12	(42) 16d NAILS	FLOOR DEPTH + 81"	(2) 2x

NOTES:
1. INSTALL STRAPS TO 2x STUDS ABOVE AND BELOW THE FLOOR FRAMING.
2. WHERE A WALL DOES NOT OCCUR BELOW THE FLOOR FRAMING, ATTACH THE STRAP TO THE BEAM OR TRUSS BELOW.

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SHEAR WALL PLAN

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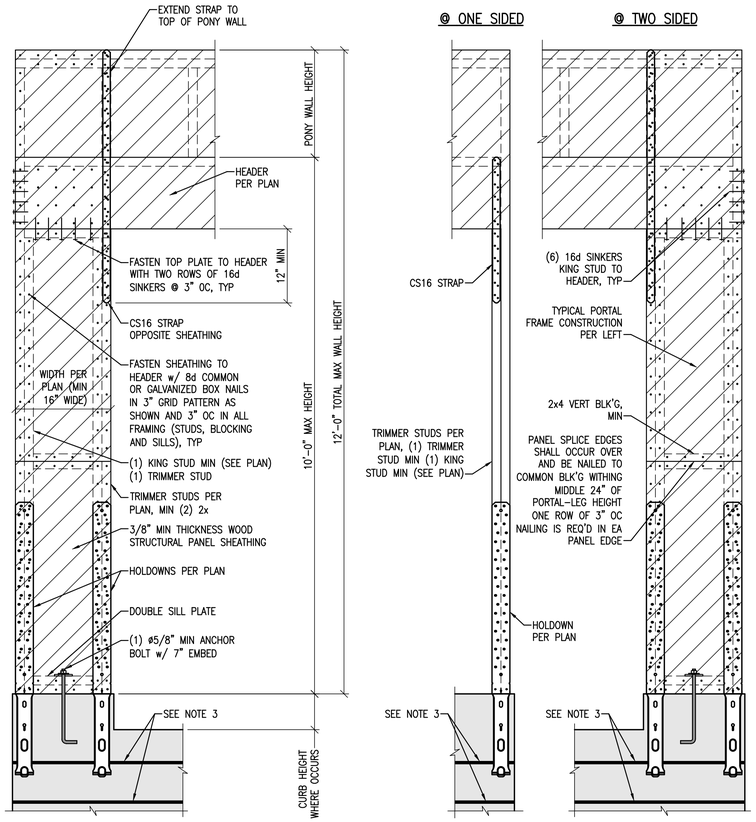
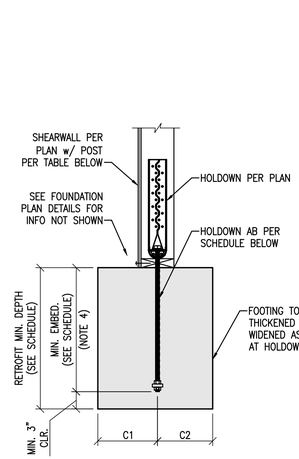
NOTES:
1. DESIGN STRENGTH PER APA DOC. TT-100H.
   TESTED AND APPROVED FOR ENGINEERED DESIGN OUTSIDE OF CONVENTIONAL LIGHT FRAME CONSTRUCTION.
2. WHERE PONY WALL IS ABOVE HEADER PROVIDE 3/8" PLYWOOD OR OSB WITH 8d COMMON NAILS @ 4" OC EDGE/BOUNDARY NAILING AND 16d SINKERS AT 4" OC SOLE PLATE NAILING
3. CONTINUOUS REINFORCEMENT PER PLAN (#4 MIN TOP & BOT) MUST BE A MINIMUM OF 2" ABOVE HOLDOWN HOOK. IF CONTINUOUS REINFORCEMENT NOT POSSIBLE DUE TO CURB HEIGHT, 8" STEM WALL REQUIRED. LAP LENGTH = 2'-0".



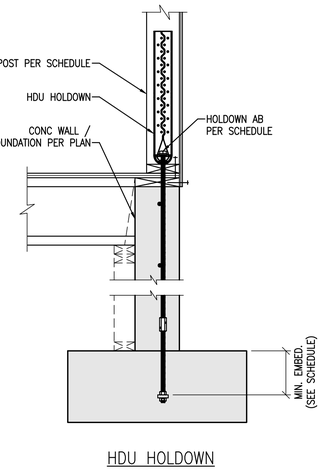
@ ONE SIDED

@ TWO SIDED

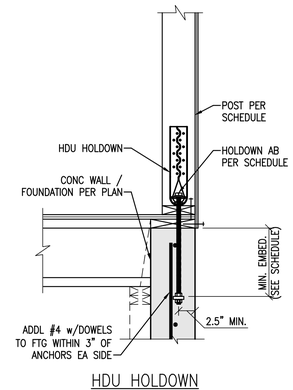
N.T.S. 8



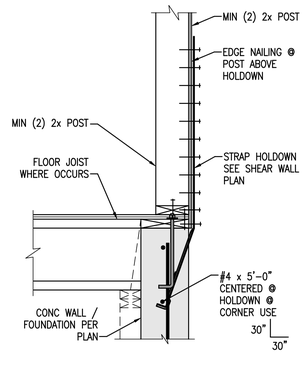
HDU HOLDOWN



HDU HOLDOWN
HDU8-HDU14



HDU HOLDOWN
HDU2-HDU5



STRAP HOLDOWN

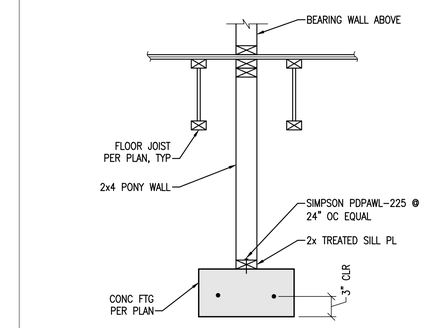
HOLDOWN ANCHORAGE SCHEDULE

HOLDOWN	ANCHORAGE (CAST IN PLACE)			ANCHORAGE (RETROFIT)		CAST IN PLACE OR RETROFIT				
	SIMPSON STRONG-TIE PRODUCT	ALL THREAD ROD (NOTE 1)	EMBEDMENT	ALL THREAD ROD (NOTE 2, 3, & 6)	HOLE DIAMETER	C1	C2	RETROFIT DEPTH	POST	FOOTING
HDU2 – SDS2.5	SSTB16	ø5/8" F1554	9"	ø5/8" F1554	11/16"	6"	6"	6.5"	(2) 2x	PER FOUNDATION DETAILS
HDU4 – SDS2.5	SB5/8x24	ø5/8" F1554	12"	ø5/8" F1554	11/16"	8"	8"	5"	(2) 2x	SPREAD FOOTING REQUIRED
HDU5 – SDS2.5	SB5/8x24	ø5/8" F1554	18"	ø5/8" F1554	11/16"	9"	9"	6"	(2) 2x	SPREAD FOOTING REQUIRED
HDU8 – SDS2.5	NONE	ø7/8" F1554	7"	ø7/8" F1554	1"	9"	9"	10"	(3) 2x	SPREAD FOOTING REQUIRED
HDU11 – SDS2.5	NONE	ø1" F1554	7"	ø1" F1554	1-1/8"	11"	11"	10"	6x6	SPREAD FOOTING REQUIRED
HDU14 – SDS2.5	NONE	ø1" F1554	7"	ø1" F1554	1-1/8"	14"	14"	12"	6x6	SPREAD FOOTING REQUIRED

NOTES:
1. PROVIDE 2-1/8"x2-1/8"x3/8" STEEL PLATE w/ (2) NUTS @ CAST IN PLACE ANCHORS.
2. RETROFIT ALL-THREAD ROD IN HOLES w/ SIMPSON SET-3G EPOXY. PREPARE HOLES & INSTALL EPOXY PER MFR DIRECTIONS w/ EMBEDMENT AND EDGE DISTANCES AS SHOWN.
3. SIMPSON SET-3G EPOXY PER ICC-ES 4057.
4. INCREASE FOOTING DEPTH AS REQUIRED FOR 3" MIN COVER BELOW BOLT & COORDINATE EXACT LOCATIONS WITH THE FRAMING CONTRACTOR.
5. HOLDOWNS MAY BE INSTALLED 4" MAX FROM SHEAR WALL EDGE. BOUNDARY NAILING MUST BE PROVIDED @ STUDS ALIGNED WITH HOLDOWNS.
6. RETROFIT OPTION NOT PERMITTED IN STEM WALL APPLICATIONS.
7. AS AN ALTERNATE, THE FOLLOWING HOLDOWNS SHOWN BELOW CAN BE USED IN LIEU OF THE HOLDOWNS SPECIFIED ON THE PLANS. ALL HOLDOWNS TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS:

SPECIFIED	ALTERNATE
HDU2	HDUE3
HDU4	HDUE5
HDU5	HDUE7
HDU8	HDUE9
HDU11	HDUE13
HDU14	HDUE17

N.T.S. 1



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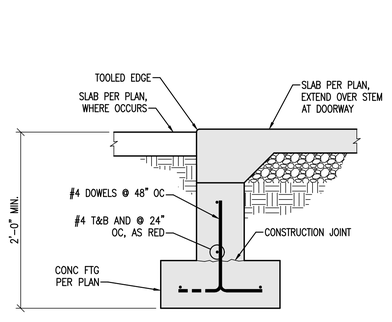

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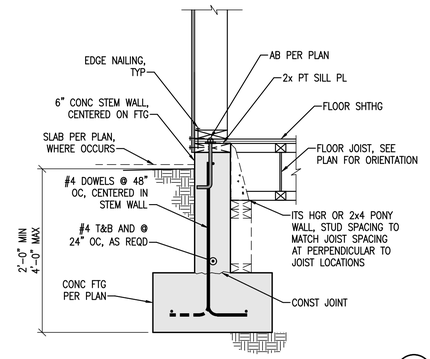

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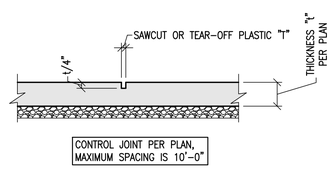

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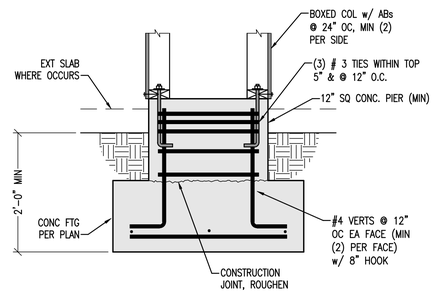

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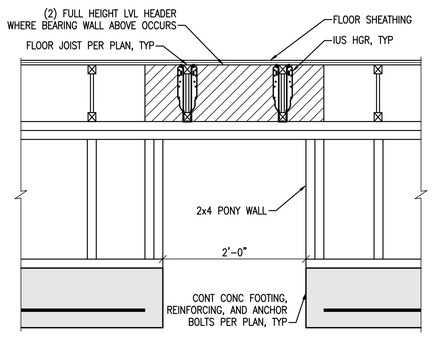

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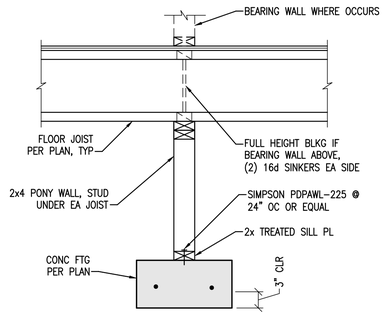

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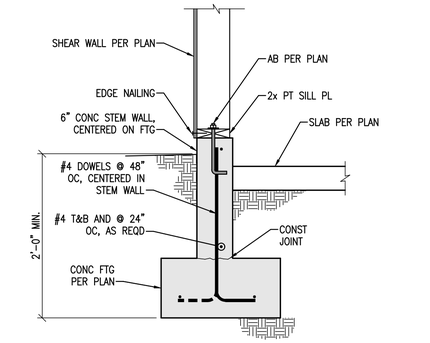


N.T.S. 3

REV. #	DATE	BY:	DESCRIPTION
ORIGINAL: 11/24/25	ENG: MDW	DWN: TND	CHK: KJT

VECTOR ENGINEERS
MERIDIAN, IDAHO
(208) 996-0303
WWW.VECTORSE.COM
ID FIRM LICENSE NUMBER
C2269

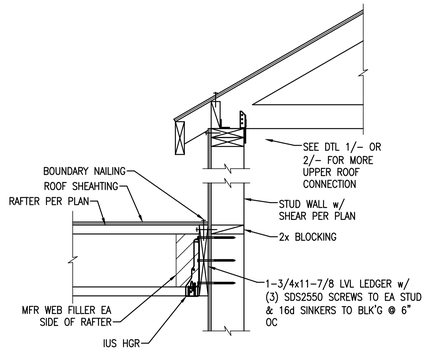
Slate, LLC
Swaggart Spec L5B12
Terraview Subdivision Lot 5 Blk 12
Eagle, ID 83616

STRUCTURAL DETAILS

PROFESSIONAL ENGINEER LICENSED 21631 STATE OF IDAHO KALEB JOSEPH TACKETT
11/24/2025
KALEB JOSEPH TACKETT, P.E. 21631

U6565.0065.251

SD-1



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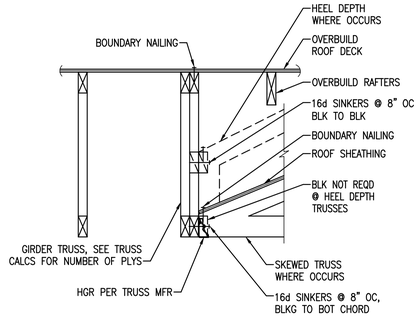

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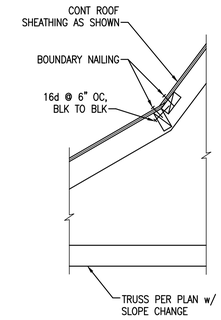

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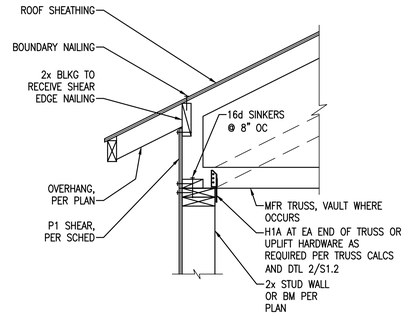

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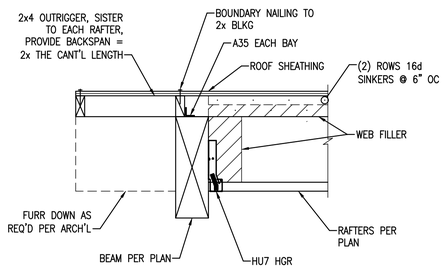

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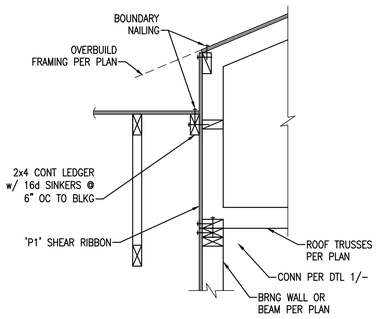

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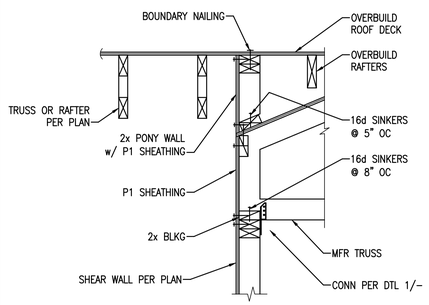

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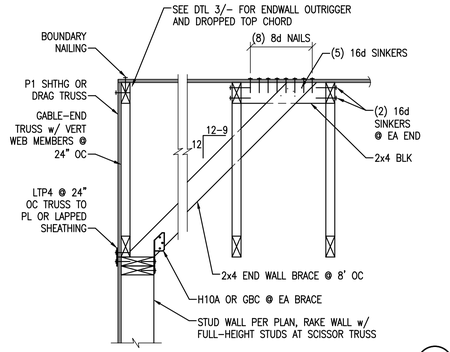

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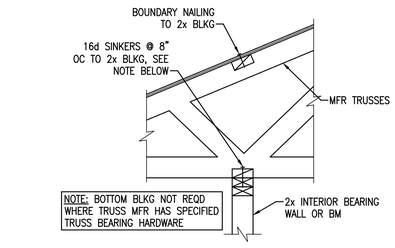

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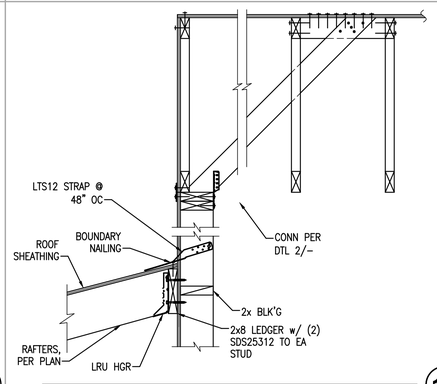

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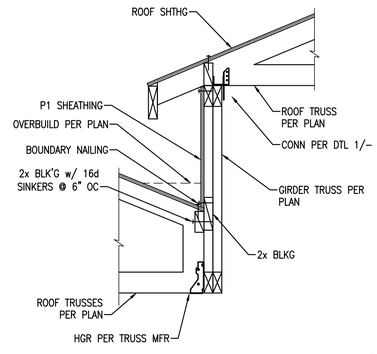

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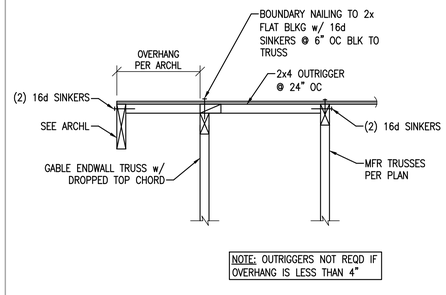

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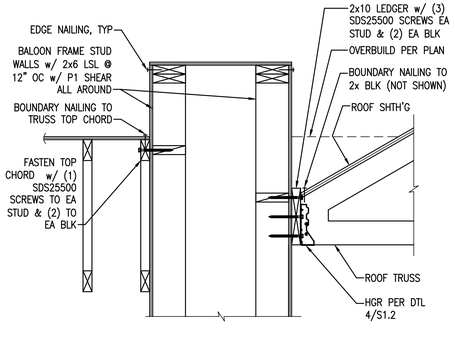

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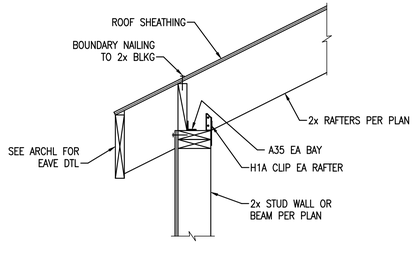

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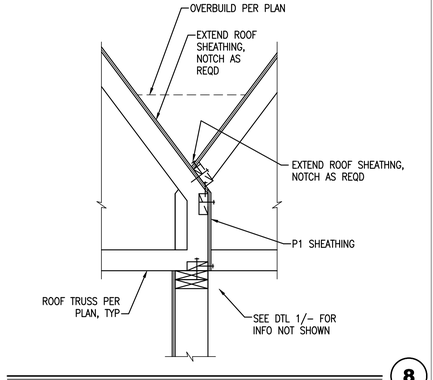

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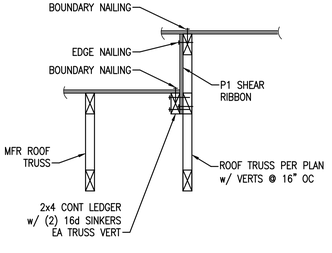

N.T.S. **4**

ORIGINAL: 11/24/25 | ENG: MDW | DWN: TND | CHK: KJT

REV. #	DATE	BY:	DESCRIPTION

VECTOR ENGINEERS
MERIDIAN, IDAHO
(208) 996-0303
WWW.VECTORSE.COM
ID FIRM LICENSE NUMBER
CE269

Slate, LLC
Swaggart Spec L5B12
Terraview Subdivision Lot 5 Blk 12
Eagle, ID 83616

STRUCTURAL DETAILS

PROFESSIONAL ENGINEER LICENSED 21631 STATE OF IDAHO KALEB JOSEPH TACKETT

11/24/2025

KALEB JOSEPH TACKETT, P.E. 21631

U6565.0065.251

SD-2

11/24/2025 9:19 PM

1 MAIN FLOOR - ELECTRICAL PLAN
1/4" = 1'-0"

ELECTRICAL NOTES

1. CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF THE 2017 NATIONAL ELECTRICAL CODE, THE 2018 INTERNATIONAL RESIDENTIAL CODE AND THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE.
2. CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH LOCAL POWER COMPANY.
3. ALL OUTLETS ARE TO BE MEASURED TO TOP OF RECEPTACLE. ALL STANDARD OUTLETS ARE TO BE 16" A.F.F. UNLESS NOTED OTHERWISE.
4. PROVIDE OUTLETS @ OVERHANGS WITH SEPARATE SWITCH FOR X-MAS LIGHTS

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	110 V OUTLET
REF	REFRIGERATOR OUTLET
DW	DISH WASHER OUTLET
GFI	G.F.I. OUTLET
WP	WATER PROOF OUTLET
FLR	FLOOR OUTLET
	SPECIAL OUTLET
	SWITCH
	LIGHT FIXTURE
	RECESSED CAN LIGHT FIXTURE
F	EXHAUST FAN
SD	SMOKE DETECTOR
SD/CO	SMOKE DETECTOR / CARBON MONOXIDE
TV	TELEVISION (CABLE OUTLET)
	GARAGE LIGHT FIXTURE
	CEILING FAN

SMOKE ALARM NOTES

1. SMOKE & CARBON MONOXIDE ALARMS SHALL COMPLY WITH 2018 IRC SEC. R314 & R315
2. A SMOKE ALARM SHALL BE INSTALLED IN EACH SLEEPING ROOM AND OUTSIDE OF EACH SEPARATE SLEEPING AREA PER R314.3
3. CARBON MONOXIDE (CO) ALARMS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS. PER R315.3
4. A SMOKE ALARM SHALL BE INSTALLED ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND CELLARS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN HE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL PROVIDED THAT THE LOWER LEVEL IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL. PER R314.3
5. SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE, AND WHEN PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE POWER FROM A BATTERY. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVER-CURRENT PROTECTIONS. PER R314.6
6. SMOKE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE OTHER ALARMS IN THE INDIVIDUAL DWELLING UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED. PER R314.4

DESIGN BY
SLATE
P: 208.972.0551
E: J@BYSLATE.COM
WWW.BYSLATE.COM

PERMIT SET

11/21/2025

PROJECT NAME:
SWAGGART SPEC L5B12

ADDRESS:
3534 N TEMPLETON WAY
EAGLE, ID 83616

ALL DRAWINGS TO BE REVIEWED BY CONTRACTOR PRIOR TO CONSTRUCTION. NOTIFY DESIGNER OF ANY ERRORS, OMISSIONS, AND/OR CHANGES IN THE PLAN PRIOR TO CONSTRUCTION OR FABRICATION.

DATE DRAWN/REVISIONS:

1
2
3
4

SHEET TITLE:

MAIN FLOOR ELECTRICAL PLAN

SHEET NO:

E-1.1

ORIGINAL SHEET SIZE
24" x 36"